Planting Fields Entry Drive Trees, Walk and Drive Repair
ADDENDUM No. 1

10 March 2023

Additional Bid Drop off Information:

**BID DUE:** Wednesday March 15th by 4:00 PM
Sealed Envelope, Hand Delivered to Planting Fields Foundation

To: Lilly McGurk, Director of Stewardship & Events
Room: Planting Fields Visitor Center – Coe Hall
Hours: Between 10:00 am and 4:00PM
Bids: Must by logged in by 4:00 PM

Request for BIDS: Mark Envelope as Follows:
Planting Fields Foundation Entry Drive: Trees, Walk and Drive Repair
1395 Planting Fields Road, Oyster Bay, NY 11771

Attached with this Addendum

1. **Bid Form & Required Documents**

2. **Drawing Revision Set:** Issued 10 March 2033 Addendum No.1
   Note the full set is reissued with Revisions Clouded and Identified as Addendum No. 1

3. **Specification Section 01 5000 Temporary Facilities and Controls:** Added to Part 1 Section 1.2
   Summary is 3. Traffic maintenance and Control, Added to Section 1.4 is C. Traffic Control Plan,
   and to Part 3 Section 3.3, G Traffic Controls.
4. **Specifications Section 32 3200 Turf and Grasses:** Part 2 Products, Section 2.2 B. No-Mow supplier added. Part 3 Execution, Section 3.3 is amended, with sections 3.4 and 3.5 Added. Subsequent sections are unchanged with renumbering 3.6 Seeding, item C modified, 3.7 Hydroseeding, 3.8 Turf Maintenances, 3.9 Satisfactory Turf. 3.10 Pesticide Application 3.11 Cleanup and Protection.

5. **Questions and Response Dated 10 March 2023**

6. **Addendum Acknowledgement Form**

7. **Potential Bidders list 10 March 2023**
Planting Fields Entry Drive Trees, Walk and Drive Repair
ADDENDUM No. 1 Revised Bid Form and Acknowledgements

10 March 2023

BID FORM & REQUIRED DOCUMENTS

- Completed Bid Form with Signature
- All questions on bid form answered
- Three Project References on Form
- Non-Collusion Form

Bids must be guaranteed for a period of four months. Company signature indicates such guarantee and responds clearly to questions. Bid submission shall provide the following information.

Company Name:
___________________________________________________________________________________

Company Street Address:
___________________________________________________________________________________

Company Representative Signature:
___________________________________________________________________________________

Typed name of Company Signer:
___________________________________________________________________________________

Bidder Contact person:
___________________________________________________________________________________

Contact Phone Number: ________________________________________________________________

Contact email: _______________________________________________________________________

Heritage Landscapes LLC
Preservation Landscape Architects & Planners
501 Lake Road Charlotte, VT 05445 802.425.4330   34 Wall Street Norwalk, CT 06850 203.852.9966
For the following four questions, circle Yes or No:

1. Affirm that the Bidder or Subcontractors have project experience in:
   
   - Large tree planting  
   - Excavation, soil management and grading  
   - Sediment and erosion control  
   - Concrete walk construction with exposed aggregate

   Yes or No

   Provide project references on the required form for projects that include the above experience.

2. Affirm that you have read the Supplemental Bid Requirements:

   Yes or No

3. Acknowledge Addendum 1 is received and incorporated in your bid:

   Yes or No

4. Is the Bidder MBE or WBE?

   MBE Yes or No  
   WBE Yes or No

Bid Amount for All Work identified in drawings and specifications:

Amount In Numbers: $ ________________________________

Dollar Amount in Text: ____________________________________________

Provide the MBE and WBE percentages in your bid:

   MBE target is 13%  
   WBE target is 17%

   Your Bid ______%  
   Your Bid ______%

Sub-Contractors Identification  
List Bidder Sub-Contractors and the responsibilities of each.

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THIS REQUEST FOR BIDS IS NOT A GUARANTEE OF EXECUTION OF A CONTRACT.
Planting Fields Entry Drive Trees, Walk and Drive Repair  
ADDENDUM No. 1  

10 March 2023

Bidder Questions and Responses

1. Are we required to provide a bid bond with the bid submission? If so what percentage of the bid?
   Bid Bond is not Required for this project.

2. Are we to provide payment and performance bonds if awarded the contract?
   Performance Bond is not Required for this project.

3. Will the site be open to the public during construction?
   The site is open to the public between the hours of 9:00 AM and 5:00 PM  
   Contractor working hours are between 7:00 and 5:00 PM Monday through Friday

4. Can you confirm the extent of the brick paver area to be reset? Is the area to be reset limited to the section in between the piers adjacent to the new concrete walk?
   No, the extent of resetting brick pavers will be based on establishing as smooth ADA acceptable, no-tip hazard transition between the existing brick terrace paving and new concrete walk.

5. Can you provide an electrical plan and details? It is not clear how the lights are being powered or controlled.
   The electrical work scope is reduced to fixture(s) removal and installation of conduit and pull boxes. See Revised Drawing Sheet L-1.3 for Addendum No.1

6. Can you confirm the amount of onsite stone available to reconstruct the stone retaining wall? How much additional stone will need to be provided by the contractor?
   The stone taken down will be used to reconstruct the end of the stone wall.
7. *Is the contractor responsible for a construction fence around the work area? If so please provide a plan showing the location of the fences and gates as well as the fence height and details.*

A construction fence as illustrated in Detail No. 1 on drawing sheet R-1.4 is required around the construction staging and materials storage area. The actual size of that area will be determined based on need and available space.

The Contractor is responsible for pedestrian protection by installing protection measures to deter visitors and staff from entering the active work area. Detail 1 on drawing sheet R-1.1 or an approved alternative may be used.

8. *How many project signs are required to be provided (spec 015000)?* 

One project sign panel is required. The information to be included on the panel will be refined following contract award.

9. *Please provide a specific stone supplier for the exposed aggregate pavement #8 washed stone.*

Local stone is preferred. Color tones in beige brown are preferred. Source has not been identified.

10. *Is there a color to be added to the exposed aggregate concrete? If so please provide a color and product.*

The specification includes a color additive in one of the test panels. Beige tones preferred.

11. *How long is the contractor required to maintain the new trees?*

The Contractor is responsible for maintenance of work, including water the trees until substantial completion is achieved.

12. *Is there an existing irrigation on-site?*

There are lawn hydrants/quick couplers in various locations along the entry drive for contractor use.

13. *Will modifications to existing irrigation system be required as part of this contract? If so please provide plan.*

The entry drive area does not have automatic irrigation. Modifications to an irrigation system are not part of this work scope. The contractor is responsible for repairing and damaged piping or water supply equipment damaged during site operations.

14. *Can I obtain a list of the potential bidders?*

List of bidders who have downloaded plans or attending an on-site review attached.
Planting Fields Entry Drive Trees, Walk and Drive Repair
ADDENDUM No. 1
COVER PAGE

10 March 2023

Addendum Acknowledgement

Please indicate that you have received the following addendum items by checking them off and include this signed form in your Bid Submission package.

☐ Bid Drop off Information to Coe Hall
☐ Bid Form & Required Documents
☐ Drawing Revision Set dated 10 March 2023
☐ Specifications Section 01 5000 Temporary Facilities and Controls
☐ Specifications Section 32 3200 Turf and Grasses
☐ Questions and Responses Dated 10 March 2023
☐ Potential Bidder list 10 March 2023

__________________________________________
Signature:  

__________________________________________
Date:  

__________________________________________
Printed Name and Bidder Company
SECTION 32 9200 – TURF AND GRASSES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section Includes:
   1. Seeding.
   2. Hydroseeding.
   3. Turf renovation.
   4. Erosion-control material(s) for seeded lawns.

B. Related Sections:
   1. Division 31 Section "Site Clearing" for topsoil stripping and stockpiling.
   2. Division 31 Section "Earth Moving" for excavation, filling and backfilling, and rough grading.
   3. Division 32 Section "Planting"

1.3 DEFINITIONS

A. Duff Layer: The surface layer of native topsoil that is composed of mostly decayed leaves, twigs, and detritus.

B. Finish Grade: Elevation of finished surface of planting soil.

C. Manufactured Topsoil: Soil produced off-site by homogeneously blending mineral soils or sand with stabilized organic soil amendments to produce topsoil or planting soil.

D. Pesticide: A substance or mixture intended for preventing, destroying, repelling, or mitigating a pest. This includes insecticides, miticides, herbicides, fungicides, rodenticides, and molluscicides. It also includes substances or mixtures intended for use as a plant regulator, defoliant, or desiccant.

E. Pests: Living organisms that occur where they are not desired or that cause damage to plants, animals, or people. These include insects, mites, grubs, mollusks (snails and slugs), rodents (gophers, moles, and mice), unwanted plants (weeds), fungi, bacteria, and viruses.

F. Planting Soil: Imported topsoil; or manufactured topsoil that is modified with soil amendments and perhaps fertilizers to produce a soil mixture best for plant growth as specified in the soils specification division 32.
G. Subgrade: Surface or elevation of subsoil remaining after excavation is complete, or top surface of a fill or backfill before planting soil is placed.

H. Subsoil: All soil beneath the topsoil layer of the soil profile, typified by the lack of organic matter and soil organisms.

I. Surface Soil: Soil that is present at the top layer of the existing soil profile at the Project site. In undisturbed areas, the surface soil is typically topsoil, but in disturbed areas such as urban environments, the surface soil can be subsoil.

1.4 ACTION SUBMITTALS

A. Product Data: For each type of product indicated.
   1. Pesticides and Herbicides: Include product label and manufacturer's application instructions specific to this Project.

1.5 INFORMATIONAL SUBMITTALS

A. Certification of Grass Seed: From seed vendor for each grass-seed monostand or mixture stating the botanical and common name, percentage by weight of each species and variety, and percentage of purity, germination, and weed seed. Include the year of production and date of packaging.

B. Qualification Data: For qualified landscape Installer.

C. Product Certificates: from manufacturer.

D. Maintenance Instructions: Recommended procedures to be established by Owner for maintenance of turf and meadows during a calendar year. Submit before expiration of required initial maintenance periods.

1.6 QUALITY ASSURANCE

A. Installer Qualifications: A qualified landscape Installer whose work has resulted in successful turf and meadow establishment.
   1. Professional Membership: Installer shall be a member in good standing of either the Professional Landcare Network or the American Nursery and Landscape Association.
   2. Experience: Five years' experience in turf installation in addition to requirements in Division 01 Section "Quality Requirements."
   3. Installer's Field Supervision: Require Installer to maintain an experienced full-time supervisor on Project site when work is in progress.
   4. Personnel Certifications: Installer's personnel assigned to the Work shall have certification in the following categories from the Professional Landcare Network:
      a. Certified Turfgrass Professional, designated CTP.
5. Maintenance Proximity: Not more than one hour's normal travel time from Installer's place of business to Project site.

B. Pre-installation Conference: Conduct conference at Project site to review site preparation, seeding and erosion control procedures.

1.7 DELIVERY, STORAGE, AND HANDLING

A. Seed and Other Packaged Materials: Deliver packaged materials in original, unopened containers showing weight, certified analysis, name and address of manufacturer, and indication of conformance with state and federal laws, as applicable.

B. Bulk Materials:
   1. Do not dump or store bulk materials near structures, utilities, walkways and pavements, or on existing turf areas or plants.
   2. Provide erosion-control measures to prevent erosion or displacement of bulk materials, discharge of soil-bearing water runoff, and airborne dust reaching adjacent properties, water conveyance systems, or walkways.
   3. Accompany each delivery of bulk fertilizers, lime, and soil amendments with appropriate certificates.

1.8 PROJECT CONDITIONS

A. Planting Restrictions: Plant during one of the following periods. Coordinate planting periods with initial maintenance periods to provide required maintenance from date of Substantial Completion.

1. Spring Planting: Mid April through Mid June
2. Fall Planting: Late August through end of September

B. Weather Limitations: Proceed with planting only when existing and forecasted weather conditions permit planting to be performed when beneficial and optimum results may be obtained. Apply products during favorable weather conditions according to manufacturer's written instructions.

1.9 MAINTENANCE SERVICE

A. Initial Turf Maintenance Service: Provide full maintenance by skilled employees of landscape Installer. Maintain as required in Part 3. Begin maintenance immediately after each area is planted and continue until acceptable turf is established but for not less than the following periods:

1. Seeded Turf: 60 days from date of planting completion to Substantial Completion
   a. When initial maintenance period has not elapsed before end of planting season, or if turf is not fully established, continue maintenance during next planting season.
PART 2 - PRODUCTS

2.1 SEED: MOWN TURF

A. Grass Seed: Fresh, clean, dry, new-crop seed complying with AOSA's "Journal of Seed Technology; Rules for Testing Seeds" for purity and germination tolerances.

B. Seed Species: State-certified seed of grass species as follows:

C. Seed Species Mix: Seed of grass species as follows, with not less than 95 percent germination, not less than 85 percent pure seed, and not more than 0.5 percent weed seed:
   1. Sun and Partial Shade: Proportioned by weight as follows:
      a. 10 percent Kentucky bluegrass (Poa pratensis).
      b. 75 percent Creeping fescue (Festuca variety).
      c. 15 percent perennial ryegrass (Lolium perenne).

2.2 SEED: NO-MOW TURF

A. Grass Seed: Fresh, clean, dry, new-crop seed complying with AOSA's "Journal of Seed Technology; Rules for Testing Seeds" for purity and germination tolerances.

B. Seed Species Mix: See species No-Mow mix as identified on the planting plan drawings L-3.1
   1. Available from Prairie Nursery Inc. P.O. Box 306 Westfield, WI 53964
   2. Or approved equivalent

2.3 FERTILIZERS

A. Bonemeal: Commercial, raw or steamed, finely ground; a minimum of 4 percent nitrogen and 10 percent phosphoric acid.

B. Superphosphate: Commercial, phosphate mixture, soluble; a minimum of 20 percent available phosphoric acid.

C. Commercial Fertilizer: Commercial-grade complete fertilizer of neutral character, consisting of fast- and slow-release nitrogen, 50 percent derived from natural organic sources of urea formaldehyde, phosphorous, and potassium in the following composition:
   1. Composition: 1 lb/1000 sq. ft. (0.45 kg/92.9 sq. m) of actual nitrogen, 4 percent phosphorous, and 2 percent potassium, by weight.
   2. Composition: Nitrogen, phosphorous, and potassium in amounts recommended in soil reports from a qualified soil-testing laboratory.

D. Slow-Release Fertilizer: Granular or pelleted fertilizer consisting of 50 percent water-insoluble nitrogen, phosphorus, and potassium in the following composition:
1. Composition: 20 percent nitrogen, 10 percent phosphorous, and 10 percent potassium, by weight.
2. Composition: Nitrogen, phosphorous, and potassium in amounts recommended in soil reports from a qualified soil-testing laboratory.

2.4 PLANTING SOILS
A. Planting Soil: See Division 32 Section 32 9100 Soils for soil requirements and testing.

2.5 MULCHES
A. Straw Mulch: Provide air-dry, clean, mildew- and seed-free, salt hay or threshed straw of wheat, rye, oats, or barley.
B. Fiber Mulch: Biodegradable, dyed-wood, cellulose-fiber mulch; non-toxic and free of plant-growth or germination inhibitors; with a maximum moisture content of 15 percent and a pH range of 4.5 to 6.5.
C. Nonasphaltic Tackifier: Colloidal tackifier recommended by fiber-mulch manufacturer for slurry application; non-toxic and free of plant-growth or germination inhibitors.

2.6 PESTICIDES
A. General: Pesticide, registered and approved by EPA, acceptable to authorities having jurisdiction, and of type recommended by manufacturer for each specific problem and as required for Project conditions and application. Do not use restricted pesticides unless authorized in writing by authorities having jurisdiction.
B. Pre-Emergent Herbicide (Selective and Non-Selective): Effective for controlling the germination or growth of weeds within planted areas at the soil level directly below the mulch layer.
C. Post-Emergent Herbicide (Selective and Non-Selective): Effective for controlling weed growth that has already germinated.

2.7 EROSION-CONTROL MATERIALS
A. Erosion-Control Blankets: Biodegradable wood excelsior, straw, or coconut-fiber mat enclosed in a photodegradable plastic mesh. Include manufacturer's recommended steel wire staples, 6 inches (150 mm) long.

1. Products: Subject to compliance with requirements, provide one of the following:
   b. Presto Products Company, a business of Alcoa; Geoweb.
   c. Tenax Corporation - USA; Tenweb.
   d. Or approved equivalent.
3.1 EXAMINATION

A. Examine areas to be planted for compliance with requirements and other conditions affecting installation and performance of the Work.

1. Verify that no foreign or deleterious material or liquid such as paint, paint washout, concrete slurry, concrete layers or chunks, cement, plaster, oils, gasoline, diesel fuel, paint thinner, turpentine, tar, roofing compound, or acid has been deposited in soil within a planting area.
2. Suspend planting operations during periods of excessive soil moisture until the moisture content reaches acceptable levels to attain the required results.
3. Uniformly moisten excessively dry soil that is not workable or which is dusty.

B. Proceed with installation only after unsatisfactory conditions have been corrected.

C. If contamination by foreign or deleterious material or liquid is present in soil within a planting area, remove the soil and contamination as directed by Architect and replace with new planting soil.

3.2 PREPARATION GENERAL

A. Protect structures, utilities, sidewalks, pavements, and other facilities, trees, shrubs, and plantings from damage caused by planting operations.

1. Protect adjacent and adjoining areas from hydroseeding and hydromulching overspray.
2. Protect grade stakes set by others until directed to remove them.

B. Install erosion-control measures to prevent erosion or displacement of soils and discharge of soil-bearing water runoff or airborne dust to adjacent properties and walkways.

3.3 NO-MOW TURF AREA PREPARATION: GRUBBED VEGETATION AREAS

A. Limit turf finish grade and subgrade preparation to areas to be planted.

B. Existing Bed Planting Areas to be Seeded with No-Mow Turf

1. Prepare areas to be reseeded by removal and grubbing of the existing vegetation. Removal shall include and not limited to plant materials, root masses or other debris remaining from plant clearing operations by others.
2. Avoid damaging operations in areas of critical root zones for trees to remain. Consult with Landscape Architect on methods for clearing these areas.
3. Determine grade elevations of the west walk and along the west and east allee tree planting with the Landscape Architect as outlined in Section 01 7300 Execution
   a. Set grade stakes indicating desired finish walk and grade elevations.
4. Remove topsoil, (acceptable soil) in order to establishing the desired sub-grade and smooth transitions between the former planting and mown turf areas.
5. Review sub-grade elevations with the Landscape Architect prior to application of topsoil (approved soil) to meet design grades.
6. Inspect depth of topsoil in areas of minor grade change to ensure sufficient thickness for support of mow or no-mow turf seeding.
   a. Review soil depth with Landscape Architect before proceeding with fine grading and re-seeding operations. Acceptable thickness of soil without adding additional soil or modifying existing soils is 4 to 6 inches.
7. If the depth of acceptable soil in areas of minor grading or in areas where topsoil (acceptable soil is to be re-applied, is not sufficient, provide additional soil from acceptable materials stockpiled from walk excavation and grubbing operations.
   a. If acceptable material is not available, amend existing soils by adding and mixing in compost up to 10% by volume as directed by the Landscape Architect
      1) Imported compost or other organic material costs shall be paid by the Owner. The labor for incorporating these materials shall included as base contract work.
   b. If acceptable soil is not available, imported soil may be used with acceptance of the Landscape Architect:
      1) Imported soil material cost shall be paid by the Owner. The labor for spreading and grading of this material shall be included as base contract work.
9. In advance of fine grading prepare the soils by
   a. Remove existing grass, vegetation, and turf. Do not mix into surface soil.
   b. Loosen surface soil to a depth of at least 6 inches (150 mm). Apply soil amendments and fertilizers according to planting soil mix proportions and mix thoroughly into top 4 inches (100 mm) of soil. Till soil to a homogeneous mixture of fine texture.
   c. Apply fertilizer directly to surface soil before loosening.
   d. Remove stones larger than $1-1/2$ inches (38 mm) in any dimension and sticks, roots, trash, and other extraneous matter.
   e. Legally dispose of waste material, including grass, vegetation, and turf, off Owner's property

C. Finish Grading: Grade planting areas to a smooth, uniform surface plane with loose, uniformly fine texture. Grade to within plus or minus 1/2 inch (13 mm) of finish elevation. Roll and rake, remove ridges, and fill depressions to meet finish grades. Limit finish grading to areas that can be planted in the immediate future.
   1. Hold finish grade ½ to ¾ inch below top of curb and edge of walks unless otherwise indicated, to allow to allow for turf growth and positive drainage from adjacent structures.

D. Moisten prepared area before planting if soil is dry. Water thoroughly and allow surface to dry before planting. Do not create muddy soil.
E. Before planting, obtain Landscape Architect's acceptance of finish grading; restore seeding areas if eroded or otherwise disturbed after finish grading.

3.4 NO-MOW TURF AREA PREPARATION: MOWN TURF (LAWN)

A. Limit turf finish grade and subgrade preparation to areas to be planted.

B. Existing Turf Areas to be Re-seeded with No-Mow Turf Mix:
1. Prepare areas to be reseeded by removal of existing turf by physical methods.
   a. Chemical methods or applied herbicides are not permitted.
2. Remove turf to the extent necessary for fine grading and re-seeding to blend existing turf areas with new turf areas within the No-Mow planted margin
3. Turf Removal methods shall be reviewed and accepted by the landscape architect. Use of heavy equipment shall be avoided to prevent soil compaction. Removal methods may include and are not limited to:
   a. Rototilling and turf removal
   b. Skimming
   c. Machine Tothing
   d. Raking
   e. Hand grubbing
4. Soils must be loosened to a dept of 4 to 6 inches to facilitate fine grading to meet finish grades throughout the project area.
5. Inspect depth of topsoil to ensure sufficient thickness for support of mow or no-mow turf seeding.
   a. Review soil depth with Landscape Architect before proceeding with fine grading and re-seeding operations. Acceptable thickness of soil without adding additional soil or modifying existing soils is 4 to 6 inches.
6. If the depth of acceptable soil is not sufficient, provide additional soil from acceptable materials stockpiled from walk excavation and grubbing operations.
   a. If acceptable material is not available, amend existing soils by adding and mixing in compost up to 10% by volume as directed by the Landscape Architect
      1) Imported compost or other organic material costs shall be paid by the Owner. The labor for incorporating these materials shall be included as base contract work.
   b. If acceptable soil is not available, imported soil may be used as accepted by the Landscape Architect:
      1) Imported soil material cost shall be paid by the Owner. The labor for spreading and grading of this material shall be included as base contract work. All areas of work are shown on the drawings.
7. In advance of fine grading prepare the soils by
   a. Remove existing grass, vegetation, and turf. Do not mix into surface soil.
   b. Loosen surface soil to a depth of at least 6 inches (150 mm). Apply soil amendments and fertilizers according to planting soil mix proportions and mix thoroughly into top 4 inches (100 mm) of soil. Till soil to a homogeneous mixture of fine texture.
   c. Apply fertilizer directly to surface soil before loosening.
   d. Remove stones larger than 1-1/2 inches (38 mm) in any dimension and sticks, roots, trash, and other extraneous matter.
   e. Legally dispose of waste material, including grass, vegetation, and turf, off Owner's property
8. Bring acceptable soils to finish grade in preparation for seeding operations.

C. Finish Grading: Grade planting areas to a smooth, uniform surface plane with loose, uniformly fine texture. Grade to within plus or minus 1/2 inch (13 mm) of finish elevation. Roll and rake, remove ridges, and fill depressions to meet finish grades. Limit finish grading to areas that can be planted in the immediate future.
1. Hold finish grade ½ to ¾ inch below top of curb and edge of walks unless otherwise indicated, to allow to allow for turf growth and positive drainage from adjacent structures.
D. Moisten prepared area before planting if soil is dry. Water thoroughly and allow surface to dry before planting. Do not create muddy soil.

E. Before planting, obtain Landscape Architect’s acceptance of finish grading; restore seeding areas if eroded or otherwise disturbed after finish grading.

3.5 NO-MOW TURF AREA PREPARATION; NEWLY GRADED AREAS, EAST WALK

A. Limit turf finish grade and subgrade preparation to areas to be planted.

B. Existing Turf Areas to be Re-seeded with No-Mow Turf Mix:
   1. Prepare areas to be reseeded by removal of existing turf by physical methods.
      a. Chemical methods or applied herbicides are not permitted.
   2. Remove turf to the extent necessary for fine grading and re-seeding to blend existing turf areas with new turf areas within the No-Mow planted margin.
   3. Turf Removal methods shall be reviewed and accepted by the landscape architect. Use of heavy equipment shall be avoided to prevent soil compaction: Removal methods may include and are not limited to:
      a. Rototilling and turf removal
      b. Skimming
      c. Tooothing
      d. Hand grubbing
   4. Soils must be loosened to a dept of 4 to 6 inches to facilitate fine grading to meet finish grades throughout the project area.
   5. Inspect depth of topsoil to ensure sufficient thickness for support of mow or no-mow turf seeding.
      a. Review soil depth with Landscape Architect before proceeding with fine grading and re-seeding operations. Acceptable thickness of soil without adding additional soil or modifying existing soils is 4 to 6 inches.
   6. If the depth of acceptable soil is not sufficient, provide additional soil from acceptable materials stockpiled from walk excavation and grubbing operations.
      a. If acceptable material is not available, amend existing soils by adding and mixing in compost up to 10% by volume as directed by the Landscape Architect
         1) Imported compost or other organic material costs shall be paid by the Owner. The labor for incorporating these materials shall included as base contract work.
      b. If acceptable soil is not available, imported soil may be used with acceptance of the Landscape Architect:
         1) Imported soil material cost shall be paid by the Owner. The labor for spreading and grading of this material shall be included as base contract work. All areas of work are shown on the drawings.
   7. Bring acceptable soils to finish grade in preparation for seeding operations.

C. Newly Graded Subgrades: Loosen subgrade to a minimum depth of 6 inches (150 mm) Remove stones larger than 2 inches (50 mm) in any dimension and sticks, roots, rubbish, and other extraneous matter and legally dispose of them off Owner's property.

   1. Spread acceptable soil to a depth of 6 inches (150 mm) but not less than required to meet finish grades after light rolling and natural settlement. Do not spread if acceptable soil or subgrade is frozen, muddy, or excessively wet.
a. Spread approximately 1/2 the thickness of acceptable soil over loosened subgrade. Mix thoroughly into top 2 inches (50 mm) of subgrade. Spread remainder of acceptable soil.

2. If acceptable soil is not sufficient, provide additional soil from acceptable materials stockpiled from walk excavation and grubbing operations.
   a. If acceptable material is not available, amend existing soils by adding compost and other organic materials as directed by the Landscape Architect
      1) Imported compost or other organic material costs shall be paid by the Owner. The labor for incorporating these materials shall included as base contract work.
   b. If acceptable soil is not available, imported soil may be used with acceptance of the Landscape Architect:
      1) Imported soil material cost shall be paid by the Owner. The labor for spreading and grading of this material shall be included as base contract work.

3. Spread acceptable soil to a depth of 6 inches (150 mm) but not less than required to meet finish grades after light rolling and natural settlement. Do not spread if acceptable soil or subgrade is frozen, muddy, or excessively wet.
   a. Spread approximately 1/2 the thickness of acceptable soil over loosened subgrade. Mix thoroughly into top 2 inches (50 mm) of subgrade. Spread remainder of acceptable soil.

D. Unchanged Subgrades: If turf is to be planted in areas along the margins of newly graded areas that are unaltered or undisturbed by excavating, grading, or surface-soil stripping operations, prepare surface soil as follows:
   1. Follow the preparation measured outlined in Section 3.4 No-Mow Turf Preparation in Mown Turf Lawns.

E. Finish Grading: Grade planting areas to a smooth, uniform surface plane with loose, uniformly fine texture. Grade to within plus or minus 1/2 inch (13 mm) of finish elevation. Roll and rake, remove ridges, and fill depressions to meet finish grades. Limit finish grading to areas that can be planted in the immediate future.
   1. Hold finish grade 1/2 to 3/4 inch below top of curb and edge of walks unless otherwise indicated, to allow to allow for turf growth and positive drainage from adjacent structures.

F. Moisten prepared area before planting if soil is dry. Water thoroughly and allow surface to dry before planting. Do not create muddy soil.

G. Before planting, obtain Landscape Architect’s acceptance of finish grading; restore planting areas if eroded or otherwise disturbed after finish grading.

3.6 SEEDING

A. Sow seed with spreader or seeding machine. Do not broadcast or drop seed when wind velocity exceeds 5 mph (8 km/h). Evenly distribute seed by sowing equal quantities in two directions at right angles to each other.

   1. Do not use wet seed or seed that is moldy or otherwise damaged.
2. Do not seed against existing trees. Limit extent of seed to outside edge of planting saucer.

B. Rake seed lightly into top 1/8 inch (3 mm) of soil, roll lightly, and water with fine spray.

C. Protect seeded areas with slopes exceeding 1:3 with erosion-control fiber mesh without plastic components, installed and stapled with biodegradable staples according to manufacturer's written instructions.

D. Protect seeded areas with slopes not exceeding 1:6 by spreading straw mulch. Spread uniformly at a minimum rate of 2.5 tons/acre (52 kg/92.9 sq. m) to form a continuous blanket in loose thickness over seeded areas. Spread by hand, blower, or other suitable equipment.

1. Anchor straw mulch by crimping into soil with suitable mechanical equipment.
2. Bond straw mulch by spraying with asphalt emulsion at a rate of 10 to 13 gal./1000 sq. ft. (38 to 49 L/92.9 sq. m) Take precautions to prevent damage or staining of structures or other plantings adjacent to mulched areas. Immediately clean damaged or stained areas.

3.7 HYDROSEEDING

A. Hydroseeding: Mix specified seed, fertilizer, and fiber mulch in water, using equipment specifically designed for hydroseed application. Continue mixing until uniformly blended into homogeneous slurry suitable for hydraulic application.

1. Mix slurry with fiber-mulch manufacturer's recommended tackifier.
2. Apply slurry uniformly to all areas to be seeded in a one-step process. Apply slurry at a rate so that mulch component is deposited at not less than 1500-lb/acre (15.6-kg/92.9 sq. m) dry weight, and seed component is deposited at not less than the specified seed-sowing rate.

3. Apply slurry uniformly to all areas to be seeded in a two-step process. Apply first slurry coat at a rate so that mulch component is deposited at not less than 500-lb/acre (5.2-kg/92.9 sq. m) dry weight, and seed component is deposited at not less than the specified seed-sowing rate. Apply slurry cover coat of fiber mulch (hydromulching) at a rate of 1000 lb/acre (10.4 kg/92.9 sq. m).

3.8 TURF MAINTENANCE

A. Maintain and establish turf by watering, fertilizing, weeding, mowing, trimming, replanting, and performing other operations as required to establish healthy, viable turf. Roll, regrade, and replant bare or eroded areas and re-mulch to produce a uniformly smooth turf. Provide materials and installation the same as those used in the original installation.

1. Fill in as necessary soil subsidence that may occur because of settling or other processes. Replace materials and turf damaged or lost in areas of subsidence.
2. In areas where mulch has been disturbed by wind or maintenance operations, add new mulch and anchor as required to prevent displacement.
3. Apply treatments as required to keep turf and soil free of pests and pathogens or disease. Use integrated pest management practices whenever possible to minimize the use of pesticides and reduce hazards.
B. Watering: Install and maintain temporary piping, hoses, and turf-watering equipment to convey water from sources and to keep turf uniformly moist to a depth of 4 inches (100 mm).

1. Schedule watering to prevent wilting, puddling, erosion, and displacement of seed or mulch. Lay out temporary watering system to avoid walking over muddy or newly planted areas.
2. Water turf with fine spray at a minimum rate of 1 inch (25 mm) per week unless rainfall precipitation is adequate.

C. Mow turf as soon as top growth is tall enough to cut. Repeat mowing to maintain specified height without cutting more than 1/3 of grass height. Remove no more than 1/3 of grass-leaf growth in initial or subsequent mowings. Do not delay mowing until grass blades bend over and become matted. Do not mow when grass is wet. Schedule initial and subsequent mowing to maintain the following grass height:

1. Mow to a height of 2 to 2 1/5 inches (50 to 63 mm).

D. Turf Postfertilization: Apply fertilizer after initial mowing and when grass is dry.

1. Use organic fertilizer that will provide actual nitrogen of at least 1 lb/1000 sq. ft. (0.45 kg/92.9 sq. m) to turf area.

3.9 SATISFACTORY TURF

A. Turf installations shall meet the following criteria as determined by Architect:

1. Satisfactory Seeded Turf: At end of maintenance period, a healthy, uniform, close stand of grass has been established, free of weeds and surface irregularities, with coverage exceeding 90 percent over any 10 sq. ft. (0.92 sq. m) and bare spots not exceeding 5 by 5 inches (125 by 125 mm).

B. Use specified materials to reestablish turf that does not comply with requirements and continue maintenance until turf is satisfactory.

3.10 PESTICIDE APPLICATION

A. Apply pesticides and other chemical products and biological control agents in accordance with requirements of authorities having jurisdiction and manufacturer's written recommendations. Coordinate applications with Owner's operations and others in proximity to the Work. Notify Owner before each application is performed.

B. Post-Emergent Herbicides (Selective and Non-Selective): Apply only as necessary to treat already-germinated weeds and in accordance with manufacturer's written recommendations.

3.11 CLEANUP AND PROTECTION

A. Promptly remove soil and debris created by turf work from paved areas. Clean wheels of vehicles before leaving site to avoid tracking soil onto roads, walks, or other paved areas.
B. Erect temporary fencing or barricades and warning signs as required to protect newly planted areas from traffic. Maintain fencing and barricades throughout initial maintenance period and remove after plantings are established.

C. Remove nondegradable erosion-control measures after grass establishment period.

END OF SECTION 32 9200
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SECTION 01 5000 - TEMPORARY FACILITIES AND CONTROLS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section includes requirements for:
   1. Temporary utilities, support facilities, and security and protection facilities
   2. Sedimentation and Erosion Control
   3. Traffic Maintenance and Control

B. Related Requirements:
   1. Division 01 Section "Summary" for work scope
   2. Division 02 Section Soil Erosion and Sedimentation Control
   3. Division 32 Section "Asphalt Paving" for construction and maintenance of asphalt pavement for temporary roads and paved areas.
   4. Division 32 Section "Concrete Paving" for construction of cement concrete pavement for temporary roads and paved areas.

1.3 USE CHARGES

A. General: Installation and removal of and use charges for temporary facilities shall be included in the Contract Sum unless otherwise indicated. Allow other entities to use temporary services and facilities without cost, including, but not limited to, Owner's construction forces, testing agencies, and authorities having jurisdiction.

B. Water and Sewer Service from Existing System: Water from Owner's existing water system is available for use without metering and without payment of use charges. Provide connections and extensions of services as required for construction operations.

C. Electric Power Service from Existing System: Electric power from Owner's existing system is available for use without metering and without payment of use charges. Provide connections and extensions of services as required for construction operations.

1.4 INFORMATIONAL SUBMITTALS

A. Site Plan: Show temporary facilities, utility hookups, staging areas, and parking areas for construction personnel.
B. Fire-Safety Program: Show compliance with requirements of NFPA 241 and authorities having jurisdiction. Indicate Contractor personnel responsible for management of fire-prevention program.

C. Traffic Control Plan: Submit a traffic control plan that addresses locations of traffic barricades, pedestrian controls, warning signs to the Landscape Architect for review and acceptance in advance of beginning site operations.

1.5 QUALITY ASSURANCE

A. Electric Service: Comply with NECA, NEMA, and UL standards and regulations for temporary electric service. Install service to comply with NFPA 70.

B. Tests and Inspections: Arrange for authorities having jurisdiction to test and inspect each temporary utility before use. Obtain required certifications and permits.

1.6 PROJECT CONDITIONS

A. Temporary Use of Permanent Facilities: Engage Installer of each permanent service to assume responsibility for operation, maintenance, and protection of each permanent service during its use as a construction facility before Owner's acceptance, regardless of previously assigned responsibilities.

PART 2 - PRODUCTS

2.1 MATERIALS

A. Portable Chain-Link Fencing: Minimum 2-inch (50-mm), 0.148-inch- (3.8-mm-) thick, galvanized-steel, chain-link fabric fencing; minimum 6 feet (1.8 m) high with galvanized-steel pipe posts; minimum 2-3/8-inch- (60-mm-) OD line posts and 2-7/8-inch- (73-mm-) OD corner and pull posts, with 1-5/8-inch- (42-mm-) OD top and bottom rails. Provide concrete or galvanized-steel bases for supporting posts.

B. Porous Pavement Ground Protection Materials:
   1. Marine grade ¾” thick plywood 4’x8’ sheets with 2” x 8” hardwood planks
   2. Mirafi 140N non woven filter fabric or approved equivalent
   3. Shredded hardwood bark

C. Protection Board:
   1. Megadeck Ground Protection Matting
      a. 7.5’L x 14’W x 4” ht”
   2. Available at Signature Systems, Orlando Fl 972 684 5736
   3. Or approved Equivalent
2.2 TEMPORARY FACILITIES

A. Field Offices, General: Prefabricated or mobile units with serviceable finishes, temperature controls, and foundations adequate for normal loading.
   1. Field Office on site is at the discretion of the Contractor.
   2. In lieu of a Field Office the Contractor may make arrangements with the Owner for regular project meetings to be housed in a nearby (walkable 5-10 Min) from the project site.
   3.

B. Storage and Fabrication Sheds: Provide sheds sized, furnished, and equipped to accommodate materials and equipment for construction operations.
   1. Store combustible materials apart from building(s).

2.3 EQUIPMENT

A. Fire Extinguishers: Portable, UL rated; with class and extinguishing agent as required by locations and classes of fire exposures.

PART 3 - EXECUTION

3.1 INSTALLATION, GENERAL

A. Locate facilities where they will serve Project adequately and result in minimum interference with performance of the Work. Relocate and modify facilities as required by progress of the Work.
   1. Locate facilities to limit site disturbance as specified in Division 01 Section "Summary."
   2. Provide each facility ready for use when needed to avoid delay. Do not remove until facilities are no longer needed or are replaced by authorized use of completed permanent facilities.

3.2 TEMPORARY UTILITY INSTALLATION

A. General: Install temporary service or connect to existing service.
   1. Arrange with utility company, Owner, and existing users for time when service can be interrupted, if necessary, to make connections for temporary services.

B. Water Service: Install water service and distribution piping in sizes and pressures adequate for construction.

C. Sanitary Facilities: Provide temporary toilets, wash facilities, and drinking water for use of construction personnel. Comply with requirements of authorities having jurisdiction for type, number, location, operation, and maintenance of fixtures and facilities.
D. Electric Power Service: Provide electric power service and distribution system of sufficient size, capacity, and power characteristics required for construction operations.
   1. Install electric power service overhead unless otherwise indicated.

3.3 SUPPORT FACILITIES INSTALLATION

A. Temporary Use of Permanent Roads, Paved Areas and Access Aprons: Existing roads and gravel service drives roads are to be protected from damage caused by equipment and machine access. The contractor is responsible for protection and care during construction and planting operations.

B. Temporary Access: Protect existing soils to remain from compaction by equipment and machine operations for walk construction, road modifications and planting operations by use of protection board.
   1. Coordinate the location and placement of protection board with final planting and walk locations so as not to impede the schedule or accessibility for completion of either work operation. Review locations of protection board access with the Landscape Architect for acceptance in advance of board placement.
   2. Place protection board atop sub-soil only. Remove existing topsoil and subgrade in a location acceptable to the Landscape Architect on site for re-placement following removal of protection board and restoration of lawn areas.
   3. De-compact subgrade once protection board has been removed in advance of placing topsoil and re-seeding, Secure Landscape Architect’s approval on sub-soil decompaction in advance of topsoil placement and lawn establishment.

C. Parking: Parking areas for construction personnel.
   1. Parking for Contractor, Sub-Contractors, Labors etc. is available in the membership lot within designated parking spaces as directed by the Owner.

D. Project Signs: Provide Project signs as required by the funding agency. Unauthorized signs are not permitted.
   1. Identification Signs: Provide Project identification signs as indicated in this specification section. Locate project sign on site, review location with Landscape Architect for approval, modify as requested.
   2. Signs must include the:
      a. Property Owner, NYS Office Recreation, Parks and Historic Preservation
      b. Client: Planting Fields Foundation
      c. Landscape Architect:
      d. A&E Project Team Members
   3. Maintain and touchup signs so they are legible at all times.
      a. Sample sign as follows:
PLANTING FIELDS FOUNDATION

PROJECT ID: PFF Entry 0306-2023

CONTRACT #: PFF 030623

BID DATE: 15 March 2023   Addendum No. 1 10 March 2023

TEMPORARY FACILITIES AND CONTROLS

01 5000 - 5

STATE FUNDING AGENCY:
STATE OF NEW YORK
MANAGING ORGANIZATION:
PLANTING FIELDS FOUNDATION
STATE OF NEW YORK
OFFICE OF STATE PARKS & HISTORIC PRESERVATION
LANDSCAPE ARCHITECT:
HERITAGE LANDSCAPES LLC
CONTRACTOR:
TBD

8'-0"

4'-0"

4'-0"

3 TO 4'

5/8" PAINTED PLYWOOD, SECURED WITH 8 THROUGH BOLTS TO POSTS

4X4 WOOD POST, PAINTED TYP.

EXISTING GRADE

SET IN GROUND 4X4 POST WITH GRAVEL BACKFILL

1'-2" TYP.

NOTES:

- SIGN TO BE PAINTED ON BOTH FRONT AND BACK.
- BACKGROUND AND LETTERING TO BE CONTRASTING COLORS. COLOR TO BE SELECTED BY OWNER’S REPRESENTATIVE.
- ABOVE GROUND PORTION OF POST TO BE PAINTED.
- LETTERING TO RANGE IN SIZE FROM LESS THAN 1 1/2 INCHES IN HEIGHT FOR SUPPORTING TEXT WITH 8 AND 4 INCH LETTERING FOR PRIMARY TEXT, STATE AND CITY SEALS (DIGITAL GRAPHIC) TO BE PROVIDED.
- CONTRACTOR TO SUBMIT GRAPHIC LAYOUT FOR REVIEW AND APPROVAL OF SIGN PRIOR TO SIGN FABRICATION.
- SIGN LOCATION ON SITE TO BE APPROVED BY THE OWNER’S REPRESENTATIVE.
E. Waste Disposal Facilities: Provide waste-collection containers in sizes adequate to handle waste from construction operations. Comply with requirements of authorities having jurisdiction. Comply with progress cleaning requirements in Division 01 Section "Execution."

F. Lifts and Hoists: Provide facilities necessary for hoisting materials and personnel.
   1. Truck cranes and similar devices used for hoisting materials are considered "tools and equipment" and not temporary facilities.

G. Traffic Controls: Erect and maintain barricades, lights, danger signals, and warning signs in accordance with Manual on Uniform Traffic Control Devices (MUTCD), Part IV, 2009 edition.
   1. Protect existing site improvements to remain including curbs, pavement, and utilities.
   2. Maintain access for fire-fighting equipment and access to fire hydrants.
   3. Illuminate barricades and obstructions at night; keep safety lights burning from sunset to sunrise.
   4. Adequately barricade and post open cuts in or adjacent to thoroughfares.
   5. Protect pedestrian traffic by temporary fences and or barricades.
   6. Cover pipes, hoses, and power lines crossing sidewalks and walkways with troughs using beveled edge boards.
   7. Install Barrier Tape where directed by Landscape Architect. Keep a minimum of two rolls on site at all times

3.4 FACILITIES INSTALLATION

A. Protection of Existing Facilities: Protect existing vegetation, equipment, structures, utilities, and other improvements at Project site and on adjacent properties, except those indicated to be removed or altered. Repair damage to existing facilities.

B. Environmental Protection: Provide protection, operate temporary facilities, and conduct construction as required to comply with environmental regulations and that minimize possible air, waterway, and subsoil contamination or pollution or other undesirable effects.
   1. Comply with work restrictions specified in Division 01 Section "Summary."

C. Temporary Erosion and Sedimentation Control: Provide measures to prevent soil erosion and discharge of soil-bearing water runoff and airborne dust to undisturbed areas and to adjacent properties and walkways, according to erosion- and sedimentation-control Drawings and requirements of 2003 EPA Construction General Permit or authorities having jurisdiction, whichever is more stringent.
   1. Verify that flows of water redirected from construction areas or generated by construction activity do not enter or cross tree- or plant- protection zones.
   2. Inspect, repair, and maintain erosion- and sedimentation-control measures during construction until permanent vegetation has been established.
   3. Clean, repair, and restore adjoining properties and roads affected by erosion and sedimentation from Project site during the course of Project.
4. Remove erosion and sedimentation controls and restore and stabilize areas disturbed during removal.

D. Stormwater Control: Comply with requirements of authorities having jurisdiction. Provide barriers in and around excavations and subgrade construction to prevent flooding by runoff of stormwater from heavy rains.

E. Tree and Plant Protection: Install temporary fencing located as indicated or outside the drip line of trees to protect vegetation from damage from construction operations. Protect tree root systems from damage, flooding, and erosion.

F. Construction area Enclosure Fence: Before construction operations begin, furnish and install pedestrian fencing to enclose the work area in a manner that will prevent people and from easily entering work area except designated entrance locations.

1. Extent of Fence: As required to enclose entire Project site or portion determined sufficient to accommodate construction operations.
   a. Review location and extent of pedestrian fencing with Landscape Architect for approval, modify as requested.

2. Maintain security by limiting number of accessible points.

G. Barricades and Warning Signs,: Comply with requirements of authorities having jurisdiction for erecting structurally adequate pedestrian barricades, including warning signs.

H. Temporary Fire Protection: Install and maintain temporary fire-protection facilities of types needed to protect against reasonably predictable and controllable fire losses. Comply with NFPA 241; manage fire-prevention program.

3.5 OPERATION, TERMINATION, AND REMOVAL

A. Supervision: Enforce strict discipline in use of temporary facilities. To minimize waste and abuse, limit availability of temporary facilities to essential and intended uses.

B. Maintenance: Maintain facilities in good operating condition until removal.

C. Termination and Removal: Remove each temporary facility when need for its service has ended, when it has been replaced by authorized use of a permanent facility, or no later than Substantial Completion. Complete or, if necessary, restore permanent construction that may have been delayed because of interference with temporary facility. Repair damaged Work, clean exposed surfaces, and replace construction that cannot be satisfactorily repaired.

1. Materials and facilities that constitute temporary facilities are property of Contractor. Owner reserves right to take possession of Project identification signs.

2. Remove temporary roads and paved areas not intended for or acceptable for integration into permanent construction. Where area is intended for landscape development, remove soil and aggregate fill that do not comply with requirements for fill or subsoil. Remove materials contaminated with road oil, asphalt and other petrochemical compounds, and other substances that might impair growth of plant materials or lawns. Repair or replace street paving, curbs, and sidewalks at temporary entrances, as required by authorities having jurisdiction.
3. At Substantial Completion, repair, renovate, and clean permanent facilities used during construction period. Comply with final cleaning requirements specified in Division 01 Section "Closeout Procedures."

END OF SECTION 01 5000
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<tr>
<th>Name/Title</th>
<th>Company</th>
<th>Email</th>
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PLANTING FIELDS ARBORETUM ENTRY DRIVE:
TREES, WALKS AND DRIVE REPAIR

1395 PLANTING FIELDS ROAD
OYSTER BAY, NEW YORK 11771

CONTRACT #: PFF 030623
PROJECT ID: PFF ENTRY 0306-2023
SUBMISSION: CONSTRUCTION BID SET

LOCATION PLAN
AERIAL PHOTO (2022)
PFF ENTRY 0306-2023

EXTENT OF NO-MOW MIX

9. ALL APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR

8. ALL AREAS INDICATED FOR REMOVALS WITH ADJACENT SURFACES TO REMAIN SHALL BE "NEAT

1/R1.1)

TREE PROTECTION

7. ALL MATERIALS NOTED FOR DEMOLITION BECOME PROPERTY OF THE CONTRACTOR UNLESS

MANAGEMENT IMMEDIATELY FOLLOWING DEMOLITION UNLESS OTHERWISE INSTRUCTED BY

REPRESENTATIVE." PROTECTION MATTING

5. THE CONTRACTOR SHALL DEMOLISH AND REMOVE FROM PROJECT WORK AREA ALL ITEMS

EQUIPMENT, DEBRIS, AND DUST.

PROPERTY AND ANY ITEMS THAT MAY BE ADVERSELY EFFECTED BY THE DEMOLITION

WEATHER-PROTECTED FACILITY.

FABRICATION OF REPLACEMENTS, SHALL BE STORED AT A SECURE, DRY, AND

GENERAL NOTES

PERMIT NUMBER: TO BE PROVIDED BY NYS

PROJECT WORK INCLUDES:

1. ALL BUSINESSES AND RELATED DEVICES THEREOF OR ANY BRANCH THEREOF OR ANY SUBSIDIARY THEREOF OR ANY OFFICES OR OPERATIONS THEREOF OR ANY COMMITMENTS OF OR IN ANY WAY RELATED TO OR ASSOCIATED WITH THE PROJECT WORK.

2. ALL BUSINESSES AND RELATED DEVICES THEREOF OR ANY BRANCH THEREOF OR ANY SUBSIDIARY THEREOF OR ANY OFFICES OR OPERATIONS THEREOF OR ANY COMMITMENTS OF OR IN ANY WAY RELATED TO OR ASSOCIATED WITH THE PROJECT WORK.

3. THE CONTRACTOR SHALL PROVIDE ALL MATERIALS, TOOLS, MACHINERY AND EQUIPMENT NECESSARY TO COMPLETE THE PROJECT IN A TIMELY AND EFFECTIVE MANNER.

4. PLANTING OF AN OAK TREE ALLEE TO THE EAST AND WEST SIDE OF THE ENTRY DRIVE

THE EAST BETWEEN THE VISITOR PARKING LOT AND COE HALL ENTRANCE

3. CONSTRUCTION OF PEDESTRIAN WALKS ALONG THE WEST DRIVE PERIMETER AND AT

IN CONNECTION TO OR ALTERING EXISTING STRUCTURE, THE CONTRACTOR SHALL SUPPLY BRACING, SHORING AND SHING PROPOSAL FOR THE PROTECTION OF NEW WORK WHEN DEEMED NECESSARY BY THE RESIDENT ENGINEER AND SHALL REMOVE TEMPORARY FACILITIES WHEN NO LONGER

GENERAL NOTES/ REMOVAL NOTES

THE CONTRACTOR SHALL GUARD AGAINST THE OCCURRENCE OF CAUSE OF FIRE OR DAMAGE TO THE PROPERTY OF THE CONTRACTOR OR OTHERS RESULTING FROM FIRE OR EXPOSURE TO ANY SUBSTANCES.

11. THE CONTRACTOR SHALL PROVIDE ALL MATERIALS, TOOLS, MACHINERY AND EQUIPMENT NECESSARY TO COMPLETE THE PROJECT IN A TIMELY AND EFFECTIVE MANNER.

12. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY ENCLOSURES OR

13. HAZARDOUS MATERIALS MAY BE ENCOUNTERED DURING CONSTRUCTION OPERATIONS,

14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THEIR WORK, FOR THE COORDINATION

15. THE CONTRACTOR SHALL GUARD AGAINST THE OCCURRENCE OF CAUSE OF FIRE OR DAMAGE TO THE PROPERTY OF THE CONTRACTOR OR OTHERS RESULTING FROM FIRE OR EXPOSURE TO ANY SUBSTANCES.

16. ALL DISCHARGES OR DISCHARGES IN GENERAL NOTES ARE TO BE STORED AT A SECURE, DRY, AND

17. ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL CONFORM TO THE

18. STOCKPILES SHALL BE PLACED WHERE EROSION AND SEDIMENTATION WILL NOT OCCUR.

19. UTILIZE DUST CONTROL AS NEEDED AND AS DIRECTED BY THE NYS PARKS REPRESENTATIVE.

20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE AND CONTROL OF

21. ALL DISCHARGES OR DISCHARGES IN GENERAL NOTES ARE TO BE STORED AT A SECURE, DRY, AND
1. ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE Installed in accordance with the Standards for Soil Erosion and Sediment Control in New York for Projects Under New York State Department of Environmental Conservation (NYDEC) Jurisdiction.

2. ALL GRADED OR DISTURBED AREAS INCLUDING SIDES SHOULD BE PROTECTED DURING CLEARING AND CONSTRUCTIONS IN ACCORDANCE WITH THE APPROVED EROSION AND SEDIMENT CONTROL PLAN UNTIL THEY ARE PERMANENTLY STABILIZED.

3. ALL EROSION CONTROL PRACTICES AND MEASURES SHALL BE CONSTRUCTED, APPLIED AND MAINTAINED IN ACCORDANCE WITH THE APPROVED EROSION AND SEDIMENT CONTROL PLAN.

4. ALL CRITICAL AREAS (STEep SLOPES, SANdy SOILS, WET CONDITIONS) SUBJECT TO EROSION WILL RECEIVE A TEMPORARY SEEDING AND STABILIZATION IN ACCORDANCE WITH NOTES HEREIN.

5. AREAS TO BE FILLED SHALL BE CLEARED, GRUBBED, AND STRIPPED OF COVER, AND ANY OTHER MEASURES IMPLEMENTED IN ACCORDANCE WITH THE LANDSCAPE DESIGN REQUIREMENTS OR CODES.

6. AREAS WHICH ARE TO BE TOPSOILED SHALL BE SCARRED TO A MINIMUM DEPTH OF FOUR INCHES PRIOR TO PLACEMENT OF SOIL.

7. ALLエリア SHALL BE COMPACTED AS REQUIRED TO REDUCE EROSION, SettlEMENT OR OTHER RELATED PROBLEMS. ALL INTENDED TO SUPPORT BUILDING, STRUCTURES AND CONDUITS, ETC. SHALL BE COMPACTED IN ACCORDANCE WITH STATE REQUIREMENTS OR CODES.

8. EXCEPT FOR APPROVED LANDFILLS, ALL MATERIALS SHALL BE FREE OF FROZEN PARTICLES, BRUSH, ROOTS, SOD OR OTHER FOREIGN OR OTHER OBJECTABLE MATERIALS THAT WOULD INTERFERE WITH OR PREVENT CONSTRUCTION OF SATISFACTORY FILLS.

9. ALL CRITICAL AREAS (STEep SLOPES, SANdy SOILS, WET CONDITIONS) SUBJECT TO EROSION WILL RECEIVE A TEMPORARY SEEDING AND STABILIZATION IN ACCORDANCE WITH NOTES HEREIN.

10. FROZEN MATERIALS OR SOFT, MUDDY OR HIGHLY COMPRESSIBLE MATERIALS SHALL NOT BE INCORPORATED IN FILLS.

11. FILL SHALL NOT BE PLACED ON SATURATED OR FROZEN SURFACES.

12. ALL BENCHES SHALL BE KEPT FREE OF SEDIMENT DURING ALL PHASES OF DEVELOPMENT.

13. SEEPS OR UNDERGROUND WATERS ENCOUNTERED DURING CONSTRUCTION SHALL BE HANDLED IN ACCORDANCE WITH THE SPECIFICATIONS FOR SUBSURFACE DRAIN OR OTHER APPROVED METHOD.

14. ALL GRADED AREA SHALL BE PERMANENTLY STABILIZED IMMEDIATELY FOLLOWING COMPLETION OF WORK.

15. ALL FILLING MATERIALS ARE TO BE PLACED ON A BASEMENT OR FLOORING AS SHOWN ON THE PLAN AND SHALL BE SUBJECT TO PROVISION OF THIS STANDARD SPECIFICATION.

16. ANY DISTURBED AREA THAT IS LEFT EXPOSED FOR MORE THAN 480 DAYS AND NOT SUBJECT TO CONSTRUCTION TRAFFIC SHALL IMMEDIATELY BE SEEDING WITH STERILE ANNUAL RYE IF THE SEASON PROHIBITS TEMPORARY SEEDING. THE DISTURBED AREA WILL BE MULCHED WITH STRAW OR HAY AND TACKED IN.

17. IMMEDIATELY FOLLOWING INITIAL DISTURBANCE OR FINAL GRAADING ALL CRITICAL AREAS (STEep SLOPES, SANdy SOILs, WET CONDITIONS) SUBJECT TO EROSION WILL RECEIVE A TEMPORARY SEEDING AND STABILIZATION IN ACCORDANCE WITH NOTES HEREIN.

18. PERMANENT SEEDING AND STABILIZATION TO BE IN ACCORDANCE WITH THE "STANDARDS FOR PERMANENT VEGETATIVE COVER FOR SOL EROSION AND SEDIMENT CONTROL" SPECIFIED RATES AND LOCATIONS SHALL BE ON THE APPROVED SOIL EROSION AND SEDIMENT CONTROL PLAN.

19. THE SITE SHALL AT ALL TIMES BE GRADED AND MAINTAINED SO THAT 1000 SQ. FT. MATERIALS SHALL NOT BE INCORPORATED IN FILLS.

20. PERMANENT SEEDING AND STABILIZATION TO BE IN ACCORDANCE WITH THE "STANDARDS FOR PERMANENT VEGETATIVE COVER FOR SOL EROSION AND SEDIMENT CONTROL" SPECIFIED RATES AND LOCATIONS SHALL BE ON THE APPROVED SOIL EROSION AND SEDIMENT CONTROL PLAN.

21. STOCKPiles SHALL NOT BE LOCATED WITHIN 50' OF A FLOODPLAIN, SLOPE, DRAINAGE FACILITY, OR ROADWAY. ALL STOCKPiles BASES ON PAVEMENT SHALL HAVE A SILT TRENCH OR SEDIMENT SOCK AROUND THEM DURING CONSTRUCTION.

22. A STABILIZED CONSTRUCTION ACCESS WILL BE INSTALLED, WHENEVER AN EARTHEN ROAD INTERSECTS WITH A PAVED ROAD. SEE THE STABILIZED CONSTRUCTION ACCESS DETAIL AND CHART FOR DIMENSIONS.

23. PAVED ROADSWAYS MUST BE KEPT CLEAN AT ALL TIMES.

24. BEFORE DISCHARGE POINTS BECOME OPERATIONAL, ALL STORM DRAINAGE OUTLETS WILL BE STABILIZED AS REQUIRED.

25. ALL SEDIMENT BASINS WILL BE CLEANED WHEN THE CAPACITY HAS BEEN REDUCED BY 50%. A CLEAN OUT ELEVATION WILL BE IDENTIFIED ON THE PLAN AND A MARKER INSTALLED ON THE SITE.

26. DURING CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR THE MAINTENANCE AND UPKEEP OF THE DRAINAGE STRUCTURES, VEGETATION COVER, AND ANY OTHER MEASURES IMPLEMENTED IN ACCORDANCE WITH THE SOIL SEDIMENTATION AND EROSION CONTROL PLAN.

27. ALL TREES OUTSIDE THE DISTURBANCE LIMIT INDICATED ON THE SUBJECT PLAN OR THOSE TREES WITHIN THE DISTURBANCE AREA WHICH ARE DESIGNATED TO REMAIN AFTER CONSTRUCTION ARE TO BE PROTECTED WITH TREE PROTECTION DEVICES. SEE THE TREE PROTECTION DETAIL ON THE LANDSCAPE DESIGN REQUIREMENTS OR CODES.

28. THE STATE MAY REQUEST ADDITIONAL MEASURES TO MINIMIZE ON SITE OR OFF SITE EROSION PROBLEMS DURING CONSTRUCTION. REQUESTED MEASURES SHALL BE COMPLETED BY THE CONTRACTOR.

29. TILLED STOCKPiles STABILIZATION:
   A) APPLY GROUND LIMESTONE AT A RATE OF 50 LBS PER 1000 SQ FT.
   B) APPLY FERTILIZER (20-20-20) AT 5 LBS PER 1000 SQ FT.
   C) APPLY STERILE ANNUAL RYE AT 1 LB PER 1000 SQ FT.
   D) APPLY LIQUID BINDER TAKIFIER TO SEEDED AREA.

30. TEMPORARY STABILIZATION SPECIFICATIONS:
   A) APPLY GROUND LIMESTONE AT A RATE OF 50 LBS PER 1000 SQ FT.
   B) APPLY FERTILIZER (20-20-20) AT A RATE OF 5 LBS PER 1000 SQ FT.
   C) APPLY STERILE ANNUAL RYE AT 1 LB PER 1000 SQ FT.
   D) APPLY LIQUID BINDER TACKIFIER TO SEEN AREA.

31. PERMANENT STABILIZATION SPECIFICATIONS:
   A) APPLY TOPSOIL TO A MAX DEPTH OF 6 INCHES AT FINAL GRADE.
   B) APPLY GROUND LIMESTONE AT A RATE OF 50 LBS PER 1000 SQ FT.
   C) APPLY LIQUID BINDER TACKIFIER TO SEEDED AREA.
   D) APPLY STERILE ANNUAL RYE AT 1 LB PER 1000 SQ FT.

*NOTE: ALL WORK SHALL BE ONE TO 90 DAYS PRIOR TO SOIL SEDIMENTATION AND EROSION CONTROL MEASURES ARE IN PLACE AND REVISED BY THE LANDSCAPE ARCHITECT. ALL SUCH MEASURES MUST REMAIN IN ORDER THROUGHOUT THE CONSTRUCTION WORK.

32. PERMANENT STABILIZATION SPECIFICATIONS:
   A) APPLY TOPSOIL TO A MAX DEPTH OF 6 INCHES AT FINAL GRADE.
   B) APPLY STERILE ANNUAL RYE AT 1 LB PER 1000 SQ FT.
   C) APPLY LIQUID BINDER TACKIFIER TO SEEDED AREA.
   D) APPLY STERILE ANNUAL RYE AT 1 LB PER 1000 SQ FT.

33. TEMPORARY STABILIZATION SPECIFICATIONS:
   A) APPLY GROUND LIMESTONE AT A RATE OF 50 LBS PER 1000 SQ FT.
   B) APPLY FERTILIZER (20-20-20) AT 5 LBS PER 1000 SQ FT.
   C) APPLY STERILE ANNUAL RYE AT 1 LB PER 1000 SQ FT.
   D) APPLY LIQUID BINDER TACKIFIER TO SEEDED AREA.

34. PERMANENT STABILIZATION SPECIFICATIONS:
   A) APPLY TOPSOIL TO A MAX DEPTH OF 6 INCHES AT FINAL GRADE.
   B) APPLY GROUND LIMESTONE AT A RATE OF 50 LBS PER 1000 SQ FT.
   C) APPLY STERILE ANNUAL RYE AT 1 LB PER 1000 SQ FT.
Sediment and Erosion Control Plan

Sheets: SE-1.2

New York State Parks, Recreation and Historic Preservation

Addendum #13 10/2023

PFF ENTRY 0306-2023

Construction Bid Set 2/27/2023

Sheet Title: Sediment and Erosion Control Plan

Members Parking Lot

Visitors Parking Lot

Camellia House

Legend:
- Ext. Deciduous Tree
- Ext. Evergreen Tree
- Ext. Flowering Tree
- Ext. Bedline
- Ext. Contour
- Ext. Fence Line
- Silt Fence
- Silt Sock

See Removals Sheets 1.3 for Protection Mat Requirements

Sources:
- Flonhs, July 1918 Field Notes, File: 06645-17_34350123045_o
REQUIREMENTS FOR SILT FENCE:

1. FENCE POSTS SHALL BE SPACED 8 FT. CENTER-TO-CENTER OR CLOSER. THEY SHALL EXTEND AT LEAST 2 FT. INTO THE GROUND AND AT LEAST 2 FT. ABOVE GROUND. POSTS SHALL BE CONSTRUCTED OF HARDWOOD WITH A MINIMUM DIAMETER THICKNESS OF 1-1/2 IN.

2. A METAL FENCE WITH 6 IN. OR SMALLER OPENINGS AND AT LEAST 2 FT. HIGH MAY BE UTILIZED, FASTENED TO THE FENCE POSTS, TO PRODUCE REINFORCEMENT AND SUPPORT TO THE GEOTEXTILE FABRIC WHERE SPACE FOR OTHER PRACTICES IS LIMITED AND HEAVY SEDIMENT LOADING IS EXPECTED.

3. A GEOTEXTILE FABRIC, RECOMMENDED FOR SUCH USE BY THE MANUFACTURER, SHALL BE BURIED AT LEAST 6 INCHES DEEP IN THE GROUND. THE FABRIC SHALL EXTEND AT LEAST 2 FT. ABOVE THE GROUND. THE FABRIC MUST BE SECURELY FASTENED TO THE POSTS USING A SYSTEM CONSISTING OF METAL FASTENERS (NAILS OR STAPLES) AND A HIGH STRENGTH REINFORCEMENT MATERIAL (NYLON WEBBING, GROMMETS, WASHERS, ETC.) PLACED BETWEEN THE FASTENERS AND THE GEOTEXTILE FABRIC. THE FASTENING SYSTEM SHALL RESIST TEARING AWAY FROM THE POST. THE FABRIC SHALL INCORPORATE A DRAWSTINGS IN THE TOP PORTION OF THE FENCE FOR ADDITIONAL STRENGTH.

4. SELECTION OF SILT FENCE OR COMPOST FILTER SOCK WILL BE MADE BY AREA AND APPROVED BY THE LANDSCAPE ARCHITECT.

5. SELECTION OF SILT FENCE OR COMPOST FILTER SOCK WILL BE MADE BY AREA AND APPROVED BY THE LANDSCAPE ARCHITECT.
GENERAL REMOVAL NOTES:

1. The contractor is to become familiar with all site conditions that are affected by this work. Field verify all quantities and areas for asphalt removal.

2. SEDIMENTATION AND EROSION CONTROL MEASURES ARE TO BE IN PLACE IN ADVANCE OF ANY DEMOLITION, REMOVALS ON EARTHWORKING OPERATIONS.

3. REMOVAL OF ASPHALT SHALL INCLUDE THE FULL REMOVAL OF SUB-BASE MATERIALS UNLESS OTHERWISE INDICATED ON THE DETAILS AND AS DIRECTED BY THE LANDSCAPE ARCHITECT.

4. THE FINISH TRAVEL WIDTH OF DRIVE WITHIN THE WORK SCOPE AREA IS TO MATCH ADJACENT WIDTHS UNLESS OTHERWISE DIRECTED ON THIS SHEET. THE LANDSCAPE ARCHITECT AND CONTRACTOR SHALL NOT BE LESS THAN (22) TWENTY TWO FEET.

5. PROVIDE ONE LANE OF CONTINUOUS ACCESS AND TRAFFIC CONTROL DURING REMOVALS AND CONSTRUCTION OPERATIONS.

6. ASPHALT IS TO BE REMOVED BY CUTTING OF A CLEAN SAW CUT JOINT/EDGE.

7. ITEMS INDICATED TO BE REMOVED AND STORED ARE TO BE CAREFULLY REMOVED AND STORED IN A MANNER THAT DOES NOT DAMAGE THE INTEGRITY, STRUCTURE OR FINISH OF THE ITEMS. THESE ITEMS BELONG TO THE OWNER AND SHALL BE REUSED IN OTHER CONTRACTS OR FUTURE WORK. THEY SHALL BE STORED ABOVE GROUND ON PALLET OR OTHERS MEANS AS AGREED TO BY THE LANDSCAPE ARCHITECT.

8. CONCRETE FOOTING OR MOUNTING BASES SHALL BE REMOVED AND DISPOSED OF AS PART OF THE REMOVAL WORK.

9. REMOVE AND STOCKPILE COBBLESTONES INCLUDING CONCRETE SETTING BED TO FULL DEPTH.

10. CLEAN COBBLESTONES OF LOOSE CONCRETE BY MECHANICAL MEANS. SEE LAYOUT DRAWINGS FOR DETERMINATION OF THE QUANTITY OF COBBLESTONES TO BE STOCKPILED FOR REUSE.

11. THE LOCATION OF MATERIALS STOCKPILES AND MATERIAL STORAGE SHALL BE AT THE DIRECTION OF THE LANDSCAPE ARCHITECT, ON SITE.

12. TREES TO BE REMOVED 6 INCH CALIPER AND LARGER SHALL HAVE STUMPS GROUND TO 18 INCHES BELOW FINISH GRADE UNLESS OTHERWISE REMOVED BY GRADING OPERATIONS.

13. THE CONTRACTOR IS TO BECOME FAMILIAR WITH ALL SITE CONDITIONS THAT ARE AFFECTED BY THIS WORK. FIELD INFORMATIONS FOR ADDITIONAL DEPTH BASE MATERIAL TO FULL DEPTH.

14. CLEAN COBBLESTONES OF LOOSE CONCRETE BY MECHANICAL MEANS. SEE LAYOUT DRAWINGS FOR DETERMINATION OF THE QUANTITY OF COBBLESTONES TO BE STOCKPILED FOR REUSE.

15. THE LOCATION OF MATERIALS STOCKPILES AND MATERIAL STORAGE SHALL BE AT THE DIRECTION OF THE LANDSCAPE ARCHITECT, ON SITE.

16. CLEAN COBBLESTONES OF LOOSE CONCRETE BY MECHANICAL MEANS. SEE LAYOUT DRAWINGS FOR DETERMINATION OF THE QUANTITY OF COBBLESTONES TO BE STOCKPILED FOR REUSE.

17. THE LOCATION OF MATERIALS STOCKPILES AND MATERIAL STORAGE SHALL BE AT THE DIRECTION OF THE LANDSCAPE ARCHITECT, ON SITE.

18. CLEAN COBBLESTONES OF LOOSE CONCRETE BY MECHANICAL MEANS. SEE LAYOUT DRAWINGS FOR DETERMINATION OF THE QUANTITY OF COBBLESTONES TO BE STOCKPILED FOR REUSE.

19. THE LOCATION OF MATERIALS STOCKPILES AND MATERIAL STORAGE SHALL BE AT THE DIRECTION OF THE LANDSCAPE ARCHITECT, ON SITE.

20. CLEAN COBBLESTONES OF LOOSE CONCRETE BY MECHANICAL MEANS. SEE LAYOUT DRAWINGS FOR DETERMINATION OF THE QUANTITY OF COBBLESTONES TO BE STOCKPILED FOR REUSE.

21. THE LOCATION OF MATERIALS STOCKPILES AND MATERIAL STORAGE SHALL BE AT THE DIRECTION OF THE LANDSCAPE ARCHITECT, ON SITE.

22. CLEAN COBBLESTONES OF LOOSE CONCRETE BY MECHANICAL MEANS. SEE LAYOUT DRAWINGS FOR DETERMINATION OF THE QUANTITY OF COBBLESTONES TO BE STOCKPILED FOR REUSE.

23. THE LOCATION OF MATERIALS STOCKPILES AND MATERIAL STORAGE SHALL BE AT THE DIRECTION OF THE LANDSCAPE ARCHITECT, ON SITE.

24. CLEAN COBBLESTONES OF LOOSE CONCRETE BY MECHANICAL MEANS. SEE LAYOUT DRAWINGS FOR DETERMINATION OF THE QUANTITY OF COBBLESTONES TO BE STOCKPILED FOR REUSE.

25. THE LOCATION OF MATERIALS STOCKPILES AND MATERIAL STORAGE SHALL BE AT THE DIRECTION OF THE LANDSCAPE ARCHITECT, ON SITE.

26. CLEAN COBBLESTONES OF LOOSE CONCRETE BY MECHANICAL MEANS. SEE LAYOUT DRAWINGS FOR DETERMINATION OF THE QUANTITY OF COBBLESTONES TO BE STOCKPILED FOR REUSE.

27. THE LOCATION OF MATERIALS STOCKPILES AND MATERIAL STORAGE SHALL BE AT THE DIRECTION OF THE LANDSCAPE ARCHITECT, ON SITE.

28. CLEAN COBBLESTONES OF LOOSE CONCRETE BY MECHANICAL MEANS. SEE LAYOUT DRAWINGS FOR DETERMINATION OF THE QUANTITY OF COBBLESTONES TO BE STOCKPILED FOR REUSE.

29. THE LOCATION OF MATERIALS STOCKPILES AND MATERIAL STORAGE SHALL BE AT THE DIRECTION OF THE LANDSCAPE ARCHITECT, ON SITE.

30. CLEAN COBBLESTONES OF LOOSE CONCRETE BY MECHANICAL MEANS. SEE LAYOUT DRAWINGS FOR DETERMINATION OF THE QUANTITY OF COBBLESTONES TO BE STOCKPILED FOR REUSE.
1. The contractor may use the southwest corner of the Members Parking Lot for a construction staging and material stockpile area.

2. The area is to be fenced to prevent/protect the public from entering or moving across the area.

3. There is no available office or meeting space within the Park. Placement of a trailer is at the discretion of the contractor.

4. The contractor shall provide a temporary sanitary facility for use by the contractor and subcontractor employees.

5. The contractor shall be aware that there is porous asphalt and porous concrete within the Visitor Parking Area and drive. These materials are to be kept free of debris during construction of this project. Any damage or soiling of these areas shall be repaired and/or cleaned as part of this contract.

CONSTRUCTION STAGING AND STOCKPILE AREA:

- Remove and salvage cobblestone curb, clean and stockpile on site as directed.
- Remove and stockpile brick pavers and cobblestone curb on site as directed.
- Remove lawn and salvaging cobblestone curb, store on site as directed.
- Remove tree and edge of broken asphalt in preparation for repaving.

NOTE: See general removal notes drawing R-1.1.
NOTE: SEE GENERAL REMOVALS NOTES DRAWING R-1.1

KEY

- REMOVE ASPHALT PAVING
- REMOVE GRAVEL PAVING/PARK
- REMOVE AND STOCKPILE CONCRETE CURB
- REMOVE AND STORE CONCRETE FOOTINGS
- REMOVE AND STORE 24 INCH CONCRETE PADS
- DISMANTLE AND STOCKPILE PART OF STONE WALL
- RECONSTRUCT TO MATCH EXISTING
- INSTALL TREE PROTECTION FENCING (SEE DETAIL 1/R1.1)
- INSTALL TREE PROTECTION FENCING
- CONSTRUCTION FENCING
- VEGETATION GRUBBING
- PROTECTION MATTING
- TREE PROTECTION FENCING (SEE DETAIL 4/R1.4)
- CONSTRUCTION FENCING
- PROTECTION MATTING
- HORIZONTAL CURB
- STREET LIGHT FIXTURE

NOTE: SEE GENERAL REMOVALS NOTES DRAWING R-1.1

TREE REMOVAL NOTES

- REMOVE THREE (3) LIGHT FIXTURES AND STOCKPILE
- REMOVE CONCRETE FOOTINGS AND 24 INCH CONCRETE PADS ADJACENT TO LIGHT FIXTURES
- INSTALL PULL BOX AND CAP OFF EXISTING SERVICE
- SEE PEDESTRIAN LIGHT FIXTURE NOTES DRAWING R-1.3

OUTLINE OF PROPOSED CONCRETE WALK FOR COORDINATION. SEE LAYOUT SHEETS 1-5

APPROXIMATE LOCATION OF PULL BOX

PREPARE WALK FOR IMPLEMENTATION OF ADA APRON TO MEET NEW WALK

INSTALL TREE PROTECTION FENCING (SEE DETAIL 4/R1.3)

Porous Asphalts

Prepare Walk

Install Tree Protection Fencing (See Detail L-1.3)

Remove 2 Stone Boulders and Stockpile as Directed

Remove Metal Boulders and Store as Directed

Remove Benches and Store as Directed

Remove and Stockpile Cobblestone Curbs

Remove 2 Stone Boulders and Stockpile as Directed

Remove and Store Signage as Directed

Remove Bollards and Stockpile as Directed

Remove Gravel Path and Base Material to Full Depth

Prepare Walk for Implementation of ADA Apron to Meet New Walk

Remove 3 Light Fixtures and Stockpile

Remove Concrete Footings and 24 inch Concrete Pads

Remove and Store Concrete Footings

Remove 2 Light Fixtures and Stockpile

Remove Metal Boulders and Store as Directed

Remove Gravel Path and Base Material to Full Depth

Outline of Proposed Concrete Walk for Coordination. See Layout Sheets 1-5

Approximate Location of Pull Box
Diagram of Ground Protection: Notes:
- Provide and install 3 inch thick fibermesh prefabricated mat atop 4 inch thick layer of 85% minus calcium carbonate.
- Pre-drain holes with 0.75 inch diameter to surface of prefabricated mat.
- Install protection board in areas designated for construction activities.

Section - Pervious Paving Ground Protection:
- Provide pre-cast pervious pavers to remove soil around tree roots.
- Use clean sawn hand tools to cut roots. 

Tree Root Pruning Notes:
- Provide complete removal of tree roots and pruning of root systems.
- Use care in excavation to avoid damage to underground utilities.

Removals and Protection Details:
- Remove and store mulch layer carefully by hand.
- Install tree protection fence according to site conditions and review by landscape architect.
- Check the integrity of the fence and landscape architecture.

Drawing Number: R-1.4
Drawing Date: Mar. 2023
Revision: Addendum #13/10/2023
Sheet Title: Planting Fields Entry Drive Trees, Walks and Drive Repair
Project Location: Planting Fields Arboretum
1395 Planting Fields Road
Oyster Bay, New York 11771

NY State Parks, Recreation and Historic Preservation

Sheet Number: 2
Project Number: PV/CS
PVPOD

Project Title: Planting Fields Gray, Drive Trees, Walks and Drive Repair

Project Manager: Vincent Simeone - Planting Fields Arboretum
VINCENT.SIMEONE@PARKS.NY.GOV

Foundation/Friends Group: Planting Fields Foundation
GINA WOUTERS - PRESIDENT AND CEO
GWOUTERS@PLANTINGFIELDS.ORG

Consultants: Heritage Landscapes LLC
PO BOX 321, CHARLOTTE, VERMONT 05445
34 WALL STREET, NORWALK, CONNECTICUT 06850

Executive Deputy Commissioner: Tom Alworth
Deputy Commissioner, Capital Projects: Jeff McDonald, RLA
GENERAL NOTES:

1. The contractor is responsible for obtaining all permits required for implementing site work under these contract documents.

2. Planting Fields Arboretum is a public site and will remain operational during construction. The contractor is to provide site protection measures that address public safety during construction operations.

3. In the event that paving operations require the drive to be closed for a period of time, the contractor shall make arrangements with the planting fields foundation to schedule the work during a time when traffic access by the public, organizations and tenants, can be re-routed to enter using the historic gate drive from Chicken Valley Road.

4. Contractor and sub-contractor employees parking is available in the designated parking lot in this designated area.

5. Walk alignments and grading are to be staked by the contractor and reviewed on site by the landscape architect. The contractor is to make adjustments as requested. See specifications section 01 7300 execution of layout and grading for detailed information.

6. Asphalt pavement reduction and repair work shall be staked and reviewed in advance for acceptance by the landscape architect.

7. Alignment and extent of cobblestone curb construction to be finalized on site with the landscape architect.

8. The drive shall be graded to maintain the existing drainage pattern without creating any low spots for standing or ponding of water.

9. Concrete wall to be constructed to meet ADA guideline of under 5% gradient with positive surface plain and cross slope of not more than 1.8 percent.

10. Restoration of turf areas to include importing topsoil, and grading to meet finish grades where asphalt, gravel, values and base materials have been removed and where the landscape is otherwise damaged by construction operations.

11. See planting drawings L-1.1, L-1.2, and L-1.3 for planting and turf establishment to be carried out under this contract work.

GENERAL SUMMARY OF WORK:

Work under this contract shall include and is not limited to the following:

1. Selective removal and reconstruction of the asphalt drive to establish a twenty-two foot (22'-0") travel lane width.

2. ASPHALT PAVING, ADJUSTMENTS AT THE VISITOR PARKING ENTRY AND THE MAIN DRIVE.

3. Grading and construction of an exposed aggregate concrete pedestrian walk along the west side of the entry drive.

4. Grading and construction of an exposed aggregate concrete pedestrian walk from the visitor parking area to Coe Hall.

5. RELOCATION OF VEHICULAR COBBLESTONE CURB AND ASPHALT REPAIR.

6. BRICK REPAIR WORK AT THE SYNTHETIC GARDEN TERRACE.

7. REMOVAL OF PEDESTRIAN LIGHT FIXTURES AT THE PEDESTRIAN WALKS.

8. THE DRIVE SHALL BE GRADED TO MAINTAIN THE EXISTING DRAINAGE PATTERN.

9. PLANTING OF AN OAK TREE ALLEE ALONG THE ENTRY DRIVE.

10. IMPLEMENTATION OF A NO-MOW TURF LAWN BELOW THE OAK TREE ALLEE.

11. RELLOCATION OF INFORMATIONAL AND VEHICULAR REGULATORY SIGNAGE.

FILE: 06645-17_34350123045_o
SOURCE FLONHS, July 1918 Field Notes
SOURCES
1. Repair asphalt at face of new curb.
2. See Sheet L-1.1
3. See Sheet L-1.3
4. Reset brick with flat header courses between brick piers (see detail 2/L2.2)
5. Install cobblestone curb to match existing concrete walk.
6. Match opening between brick piers - 11'-0" V.I.F.
7. Porous asphalt
8. Solid asphalt
9. Concrete walk 6'-0" walk
10. Reshape bedline and mulch below pine tree
11. Provide topsoil and regrade to restore turf in area of removed walk typ.
12. Radius 51'-5.50" R = 5'-0" R = 42'-0" R = 22'-0" MIN.
13. 22'-0" EXT.
14. Radius 24'-0" R = 8'-6" PROPOSED DRIVE EDGE TO MEET EXT. CURB
15. Radius 84'-0" INSTALL ASPHALT PAVING IN LOCATION OF FORMER ISLAND RECONSTRUCT RADIUS
16. Radius 8'-6" INSTALL ASPHALT APRON. USE ASPHALT TACK COAT AT PAVING TO REMAIN, TYP.
17. Radius 5'-0" MAKE ANY NECESSARY REPAIRS TO END OF ASPHALT WALK
18. Painted stop bar
19. Remix asphalt and mix below pvc tree
20. Paint stop bar
21. Painted no-mow turf see planting plan
22. Extent of no-mow mix
23. Planting Fields Entry Drive Trees, Walks and Drive Repair
24. Planting Fields Arboretum
25. 1395 Planting Fields Road
26. Oyster Bay, New York 11771
27. PV/CS
28. PVPOD
29. LONG ISLAND DISTRICT
30. 635 Belmont Ave.
31. West Babylon, NY 11702
32. LONG ISLAND CAPITAL DISTRICT MANAGER
33. VESNA HADZIBABIC, PE, LEED AP BD+C
34. LONG ISLAND REGIONAL DIRECTOR
35. GEORGE GORMAN, JR.
36. PARK MANAGER
37. VINCENT SIMEONE - PLANTING FIELDS ARBORETUM
38. VINCENT.SIMEONE@PARKS.NY.GOV
39. FOUNDATION/FRIENDS GROUP
40. PLANTING FIELDS FOUNDATION
41. GINA WOUTERS - PRESIDENT AND CEO
42. GWOUTERS@PLANTINGFIELDS.ORG
43. CONSULTANTS:
44. HERITAGE LANDSCAPES LLC
45. PRESERVATION LANDSCAPE ARCHITECTS AND PLANNERS
46. PO BOX 321, CHARLOTTE, VERMONT 05445
47. 34 WALL STREET, NORWALK, CONNECTICUT 06850
48. EXECUTIVE DEPUTY COMMISSIONER
49. TOM ALWORTH
50. DEPUTY COMMISSIONER, CAPITAL PROJECTS
51. JEFF MCDONALD, RLA
1. THE CONTRACTOR SHALL REVIEW AND COMPLY WITH REQUIREMENTS FOR THE LAYOUT AND GRADING OF THE WALKS AS OUTLINED IN SPECIFICATION SECTION 03 7000 EXECUTION OF LAYOUT AND GRADING OF THE SPECIFICATIONS.

2. WALK GRADES ARE BASED ON GRADING AND DRAINAGE PLAN C.3 OF THE 2015 FINAL BID DOCUMENTS. DETAILED BY H2M ARCHITECTS + ENGINEERS AND REVISIONS AS USED FOR PLANNING PURPOSES. AN ACTUAL CONTOUR SURVEY OF THE PROJECT AREA IS NOT AVAILABLE.

3. THE EXTENT OF CONTOUR GRADING WORK SHOWN FOR CONSTRUCTION OF THE EAST WALK IS PROPOSED AS AN ORDER OF MAGNITUDE FOR COSTING AND PLANNING PURPOSES. THE ACTUAL EXTENT OF GRADING MAY VARY MODERATELY TO ACHIEVE ADA COMPLIANCE OF UNDER 5 PERCENT FOR THIS WALK SEGMENT AND SHAPE OF THE LANDSCAPE.

4. THE WEST WALK IS CONSTRUCTED ON LEVEL TO MODESTLY SLOPING LAND. THE CONTRACTOR SHALL WORK WITH THE LANDSCAPE ARCHITECT TO IDENTIFY FINISH ELEVATIONS AND ESTABLISH POSITIVE GRADIENTS AND CROSS-FRIT TO MAINTAIN WALKS FREE OF SURFACE WATER AND ADA COMPLIANCE.

5. WALKS SHALL BE STAKED ON SITE, REVIEWED WITH THE LANDSCAPE ARCHITECT AND MODIFIED TO FIT ACTUAL SITE CONDITIONS.

6. CONTRACTOR IS REQUIRED TO PROVIDE SPOT ELEVATIONS OF EXISTING GRADES TO THE LANDSCAPE ARCHITECT.

7. THE CONTRACTOR SHALL REVIEW AND COMPLY WITH REQUIREMENTS FOR THE LAYOUT AND GRADING OF THE WALKS AS OUTLINED IN SPECIFICATION SECTION 03 7000 EXECUTION OF LAYOUT AND GRADING OF THE SPECIFICATIONS.

8. LANDSCAPE ARCHITECT WILL REVIEW WALK ALIGNMENTS AND GRADES ON SITE, MAKING ADJUSTMENTS WHERE NEEDED.

9. THE LANDSCAPE ARCHITECT WILL COORDINATE WITH THE CONTRACTOR TO STABILIZE AND REFINE WALK ELEVATIONS BASED ON ACTUAL FIELD ELEVATIONS AS PROVIDED.

10. LANDSCAPE ARCHITECT WILL REVIEW WALK ALIGNMENTS AND GRADES ON SITE, MAKING ADJUSTMENTS WHERE NEEDED.

11. NOTE: WALK ALIGNMENT AND GRADE NOTES ARE TO BE REVISED ON SITE TO MATCH EXISTING SEE LAYOUT AND GRADING NOTES.

12. CONTRACTOR SHALL REVIEW AND COMPLY WITH REQUIREMENTS FOR THE LAYOUT AND GRADING OF THE WALKS AS OUTLINED IN SPECIFICATION SECTION 03 7000 EXECUTION OF LAYOUT AND GRADING OF THE SPECIFICATIONS.
0.1 A retaining wall using troweled stone and provide sufficient additional stone to match as needed.
0.1 Stones shall match the color range and be sized in a range of 10 to 9 inches in diameter and to match the overall stone characteristics of the existing stone.
0.2 Stair treads shall be made of a non-slip material and be installed with a minimum of 3 inches above the finish grade.
0.3 Reconstitute wall using troweled stone and provide sufficient additional stone to match as needed.
0.4 Stones shall match the color range and be sized in a range of 10 to 9 inches in diameter and to match the overall stone characteristics of the existing stone.
0.5 Stair treads shall be made of a non-slip material and be installed with a minimum of 3 inches above the finish grade.
0.6 Reconstitute wall using troweled stone and provide sufficient additional stone to match as needed.
0.7 Stones shall match the color range and be sized in a range of 10 to 9 inches in diameter and to match the overall stone characteristics of the existing stone.
0.8 Stair treads shall be made of a non-slip material and be installed with a minimum of 3 inches above the finish grade.
0.9 Reconstitute wall using troweled stone and provide sufficient additional stone to match as needed.
0.10 Stones shall match the color range and be sized in a range of 10 to 9 inches in diameter and to match the overall stone characteristics of the existing stone.
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**PLANTING NOTES:**

1. PLANTING FIELDS FOUNDATION HAS FIELD TAGGED THE CHINKAPIN AND WHITE OAK TREES FROM ELHANNON NURSERY LOCATED IN HOOSICK FALLS, NEW YORK. 110 TREES HAVE BEEN PURCHASED AND SHALL BE PLANTED AS PART OF THIS PROJECT. 60 OF THE TREES ARE LOCATED ON THESE PLANTING SHEETS WITH THE REMAINING TREES TO BE PLANTED AT LOCATIONS OTHER THAN THOSE LOCATED WITHIN THE PLANTING FIELDS ARBORETUM AS DIRECTED BY THE LANDSCAPE ARCHITECT.

2. PLANTING WORK UNDER THIS CONTRACT IS TO COORDINATE WITH ELHANNON NURSERY FOR SHIPPING DATES AND UNLOADING BY THIS CONTRACTOR. TRANSIT/LOADING AND SHIPPING COSTS ARE BORN BY THE OWNER.

3. UNLOADING, STORING ON SITE, MAINTENANCE NOT LIMITED TO WATERING, ETC. SHALL BE PART OF THIS WORK LOCATED WITHIN THE PLANTING FIELDS ARBORETUM AS DIRECTED BY THE LANDSCAPE ARCHITECT.

4. THE LANDSCAPE CONTRACTOR SHALL STAKE OUT THE TREES IN ADVANCE OF AND SCHEDULE A TIME TO REVIEW TREE LOCATIONS TO BE STAKED ON SITE WITH THE LANDSCAPE ARCHITECT IN ADJUSTING TREE LOCATIONS ON SITE AT LEAST ONE HALF DAY PRIOR TO BEGINNING PLANTING OPERATIONS.

5. PLANTING MUST BE COMPLETED WITHIN THE CONTRACT PERIOD.

6. AREAS OF TURF DISTURBED BY CONSTRUCTION OR OTHERWISE DIRECTED SHALL BE RESTORED WITH MOWN TURF UNLESS UNDER THE DIRECTION OF A LICENSED ARCHITECT/ENGINEER.

7. CONTRACTOR IS TO SUBMIT BOTH CERTIFIED SEED NOTES FOR THE NO-MOW MIX AND TURF MIX TO THE LANDSCAPE ARCHITECT FOR APPROVAL.

### SCHEDULE OF DECIDUOUS TREES

<table>
<thead>
<tr>
<th>#</th>
<th>Key</th>
<th>Scientific Name</th>
<th>Common Name</th>
<th>Size</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>55</td>
<td>Gq</td>
<td>Quercus alba</td>
<td>White Oak</td>
<td>2.5'-3.0'</td>
<td>868</td>
</tr>
<tr>
<td>55</td>
<td>Qm</td>
<td>Quercus rubra</td>
<td>Black Oak</td>
<td>5.0'-5.5'</td>
<td>868</td>
</tr>
</tbody>
</table>

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**TURF REESTABLISHMENT**

**EXTENT OF NO-MOW TURF**

**TURF REESTABLISHMENT**