

**BOROUGH OF PETERSBURG
PETERSBURG PUBLIC LIBRARY
LANDSCAPE IMPROVEMENTS
November 10, 2014**

SPECIAL PROVISIONS

DIVISION 10 – STANDARD GENERAL PROVISIONS

Modify the following Section:

SECTION 10.05 CONTROL OF WORK

Add the following to Section 5.27:

Liquidated damages: \$100/day.

Modify the following Section:

SECTION 10.07 MEASUREMENT AND PAYMENT

Delete the first paragraph in Article 7.1 Method of Measurement and replace with the following:

All Work completed under the Contract shall be Lump Sum. Contract includes a lump sum for the base work, with separate lump sums for each additive alternate.

DIVISION 20 – EARTHWORK

Modify the following Section:

SECTION 20.10 EXCAVATION FOR TRAFFIC WAYS

Add the following to Article 10.1 General:

The work also includes miscellaneous demolition items as shown in the Drawings, or as directed by the Landscape Architect. Demolition includes, but is not limited to removal of one (1) existing tree and removal of existing concrete bench pad. This work is incidental to the contract.

Add the following to Article 10.4 Unusable and Useable Excavation:

Drainage: Contractor shall make every effort to not affect existing drainage patterns with excavation and berm construction. Contractor is responsible for ensuring that all finish grades produce positive drainage.

Layout: Layout is based on civil 'conformed' drawings. Differences may exist in the field. Stake and lay-out excavation/embankment areas for Landscape Architect approval.

Modify the following Section:

SECTION 20.22 LEVELING COURSE

Add the following to Article 22.1 General:

The work also includes providing all labor, materials, tools and equipment for grading and placing the gravel path, including geotextile fabric.

Add the following to Article 22.3 Construction:

F. Gravel Path

Field verify gravel path location for Landscape Architect approval. Work includes grading of existing surface per Drawings, placement of fill and leveling course with geotextile fabric.

DIVISION 30 – PORTLAND CEMENT CONCRETE

Modify the following Section:

SECTION 30.03 PORTLAND CEMENT CONCRETE SIDEWALKS

Add the following to Article 3.1 General:

Article 3.1 General

The work also includes installing owner-supplied medallions in exposed aggregate concrete with hand-seeded glass aggregate as shown on the Drawings.

Add the following to Article 3.2 Materials:

Article 3.2 Materials

Colored glass aggregate and brass medallions: Owner supplied. Pick-up at Borough of Petersburg Public Works Department.

Add the following to Article 3.3 Construction:

Article 3.3 Construction

E. Colored Glass Aggregate Concrete

After concrete and medallion placement, bull float concrete to smooth finish and to meet final grades and elevations as indicated on Drawings.

1. Apply acrylic fortifier as directed by manufacturer for concrete colored glass sidewalk. Cure in accordance with manufacturers recommendations.
2. Evenly broadcast colored glass aggregate over wet concrete and ensure even distribution of glass aggregate across entire concrete surface. Seed concrete at the following rate: 1 pound per square foot of concrete.
3. Lightly trowel the glass into the concrete gently pushing the glass into the wet concrete mixture. Do not push the glass entirely below concrete surface and allow some glass aggregate to project above concrete surface but with 70% of glass below concrete surface.

SP-2

Special Provisions

Petersburg Library Landscape Improvements

4. Perform light abrasive-blast finish.
5. Apply water based stain resistant concrete sealer after the light abrasive-blast finish has been completed. Application rates and methods shall be in accordance with the manufacturer's recommendations.

DIVISION 70 – MISCELLANEOUS

Add the following Section:

SECTION 70.22 ROCKERY WALL

Article 22.1 General

The Work covered under this Section consists of all Work necessary to furnish and construct the Rockery Walls and Trail Rockery as shown on the Drawings.

A. SUBMITTALS

Rockery Wall: Images of rock types at source with sufficient detail to determine color, size and shape.

B. MOCKUPS

Rockery Wall and Trail Rockery: 10' length mockup with finishes, colors and textures to match design. This area shall be the standard from which the Work will be judged. Approved sample may become part of finish work.

Article 22.2 Materials

Rockery wall materials shall be constructed from square shot rock from the Petersburg local area. Size range: 150-300lbs per stone.

Article 22.3 Construction

A. EXAMINATION

Examine all surfaces indicated to have rockery wall installed, and the details on the drawings for defects that will adversely affect the work and for deviations beyond allowable tolerances. Start of work shall mean acceptance of interfacing surfaces as capable of producing an acceptable job.

B. INSTALLATION

1. Field verify rockery wall locations for Landscape Architect approval.
2. Install rockery wall, accurately fitted, free from distortion or defects per Drawings.
3. Obtain Landscape Architect's acceptance prior to making adjustments not scheduled.

DIVISION 75 – LANDSCAPING IMPROVEMENTS

Replace Section 75.03 Articles 3.1-3.5 with the following:

SECTION 75.03 TOPSOIL (PLANTING SOIL)

Article 3.1 General

Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

Section includes: Manufacturing of planting soil and mulches.

Related Sections include the following:

Section "Earthwork" for excavation, filling, and rough grading and for subsurface aggregate drainage and drainage backfill materials.

Section 75.04 "Seeding" for turf (lawn).

A. DEFINITIONS

Backfill: The earth used to replace or the act of replacing earth in an excavation. Backfill may be planting soil, if designated in specifications.

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

Finish Grade: Elevation of finished surface of planting soil.

Invasive Species: Plant material as listed within the most recent US Department of Agriculture publication for Region 10 (Alaska) or most recent University of Alaska Fairbanks Cooperative Extension publication, specific for the region of Alaska in which the project is located.

Planting Soil: Soil produced off-site by homogeneously blending mineral soils or sand with stabilized organic soil amendments and perhaps fertilizers to produce a soil mixture best for plant growth.

Subgrade: Surface or elevation of subsoil remaining after excavation is complete, or the top surface of a fill or backfill before planting soil is placed.

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

Weeds: Plant material that is not specified in the Drawings or Specifications.

B. SUBMITTALS

General: Unless otherwise noted, the Contractor shall provide all submittals a minimum of thirty (30) days prior to commencement of installation.

Source: The Contractor shall notify the Landscape Architect of the source of planting soil.

Problem materials: Report presence of problem salts, minerals, or heavy metals, including aluminum, arsenic, barium, cadmium, chromium, cobalt, lead, lithium, and vanadium. If such problem materials are present, provide additional recommendations for corrective action.

Product Data: For each type of manufactured product, from manufacturer:

- Product data sheets
- Product Certificates: For each type of manufactured product, from manufacturer:
- Manufacturer's certified analysis of standard products.

Samples:

Shredded bark mulch: 1 gallon volume in sealed plastic bag labeled with composition of materials by percentage of weight and source. Each sample shall be typical of the lot to be furnished and provide an accurate representation of color, texture and organic makeup.

Rock mulch: Images of rock mulch at source of sufficient detail to determine color, size and shape.

C. QUALITY ASSURANCE

Planting Soil Manufacturer Qualifications: A qualified landscape/soil manufacturer who has produced planting soil that supports the healthy growth of plant material within the Petersburg area.

D. DELIVERY, STORAGE, AND HANDLING

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 if applicable.

Bulk Materials: Do not dump or store bulk materials near structures, utilities, walkways and pavements, or on existing turf areas or plants.

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.

Accompany each delivery of bulk fertilizers, lime, and soil amendments with appropriate certificates.

Planting Soil: Protect planting soils and materials to produce planting soil from excessive moisture than will lead to erosion or saturation levels that will negatively affect the texture and structure of soil or its placement on site.

Weather Limitations: Proceed with producing planting soil only when existing and forecasted weather conditions permit. Do not screen or produce planting soils during periods of prolonged rain, heavy rain, freezing conditions or other conditions that do not allow optimum results to be obtained.

Article 3.2 Products

A. INORGANIC SOIL AMENDMENTS

Lime: ASTM C 602, agricultural liming material containing a minimum of 80 percent calcium carbonate equivalent, Class: T, with a minimum of 99 percent passing through No. 8 (2.36-mm) sieve and a minimum of 75 percent passing through No. 60 (0.25-mm) sieve.

Sand: Clean, washed, natural or manufactured, and free of toxic materials.

B. ORGANIC SOIL AMENDMENTS

Compost: Well-composted, stable, sterile, and weed-free organic matter, pH range of 5.5 to 8; moisture content 35 to 55 percent by weight; 100 percent passing through 1/2-inch sieve and free of substances toxic to plantings; and as follows:

Organic Matter Content: 50 to 60 percent of dry weight.

Sphagnum Peat: Partially decomposed sphagnum peat moss, finely divided or granular texture, with a pH range of 3.4 to 4.8.

Muck Peat: Partially decomposed moss peat, native peat, or reed-sedge peat, finely divided or of granular texture, with a pH range of 6 to 7.5, and having a water-absorbing capacity of 1100 to 2000 percent.

C. FERTILIZERS

Slow-Release Fertilizer: Granular or pelleted fertilizer consisting of 50 percent water-insoluble nitrogen, phosphorus, and potassium in the following composition:

Composition: Nitrogen, phosphorous, and potassium in amounts recommended in soil reports from a qualified soil-testing laboratory.

D. PLANTING SOILS

Planting Soil: Manufacture planting soil from a variety of sources. Obtain native organic surface soil displaced from naturally well-drained construction sites where topsoil occurs at least 4 inches deep; do not obtain from public land or protected bogs, or marshes. Soil shall not have a deleterious material mass percentage of greater than 5% not passing a #4 screen.

Additional Properties of Planting Soil: Screened and free of stones $\frac{3}{4}$ inch or larger in any dimension; free of roots, plants, sod, clods, clay lumps, pockets of coarse sand, paint, paint washout, concrete slurry, concrete layers or chunks, cement, plaster, building debris, oils, gasoline, diesel fuel, paint thinner, turpentine, tar, roofing compound, acid, and other extraneous materials harmful to plant growth; free of obnoxious weeds and invasive plants not infested with nematodes; grubs; or other pests, pest eggs, or other undesirable organisms and disease-causing plant pathogens; friable and with sufficient structure to give good tilth and aeration.

Planting Soil Composition: Mix soil, sand and organics with the following amendments and fertilizers in the following approximate quantities to produce planting soil meeting the final soil composition.

Materials and approximate ratio of materials:

2:1 Ratio of Compost to manure

1/3 of entire mix (by weight) = sand

E. SHREDDED BARK MULCH

Mulch shall consist of shredded bark and wood. Maximum length of any individual component shall be 2 inches and a minimum of 75% of the mulch shall pass through a 1 inch screen. Mulch shall be free of growth or germination-inhibiting ingredients. The bark mulch shall have the characteristics of retaining moisture, forming a mat not susceptible to spreading by wind or rain, and providing a good growth medium for plants. Shredded bark may contain up to 50% shredded wood material. Wood chips are not acceptable. Bark mulch containing shredded wood shall be aged for one-year minimum prior to installation.

F. ROCK MULCH

Rock mulch shall be 2-3" smooth, rounded shape and shall be washed and free of dirt and debris. Rock mulch shall be from a locally available source within the Petersburg area.

Article 3.3 Construction

A. GENERAL

Do not mix or place soils and soil amendments when frozen, wet, or muddy conditions.

Suspend soil mixing operations during periods of excessive soil moisture until the moisture content reaches acceptable levels to attain the required results.

Uniformly moisten excessively dry soil that is not workable and which is too dusty.

Proceed with mixing only after unsatisfactory conditions have been corrected.

B. PROTECTION

Protect structures, utilities, sidewalks, pavements, and other facilities, and lawns and existing exterior plants from damage caused by planting soil operations.

Provide erosion-control measures to prevent erosion or displacement of soils and discharge of soil-bearing water runoff or airborne dust.

C. SUBSOIL PREPARATION

Carefully examine the civil, record, and survey drawings to become familiar with the existing underground conditions before digging.

Prior to the excavation of planting areas or plant pits, the Contractor shall ascertain the location of all utility lines, electric cables, and conduits so that proper precautions may be taken not to disturb or damage any subsurface improvements.

In the event of conflict between existing and new improvements notify the Landscape Architect in writing and obtain written confirmation of any changes to the work prior to proceeding.

Excavate beds as needed to the depth required to accept the depth of planting soils as indicated on Drawings. Loosen subgrade of planting areas to the depth per plans.

Eliminate uneven areas and low spots. Grades shall meet and blend naturally with existing, undisturbed areas. All grades shall produce positive drainage.

Remove stones larger than 1 inch in any dimension and sticks, roots, rubbish, and other extraneous matter and legally dispose of them off Owner's property.

When new or previously existing utility lines or obstructions are encountered during the course of excavation, notify the Landscape Architect in writing and make recommendations as to remedial action. Proceed with work in that area only upon approval of appropriate remedial action. Coordinate all work with the appropriate utility contractors, utility company or responsible public works agency.

Protect partially completed installation against damage from other construction traffic when work is in progress, and following completion with highly visible construction tape, fencing, or other means until construction is complete.

Fill all excavations completely with water and allow to naturally percolate from excavations. Notify Landscape Architect of any beds which fail to percolate within 24 hours and make good excavations through drilling, spiking, scarifying, reducing compaction, and other methods to a minimum depth of 12 inches to get adequate percolation as indicated. Repeat water percolation test as needed.

Secure open excavations when not under direct supervision.

Scarify the sides and bottom of all beds to a minimum depth of 4 inches after percolation test to reduce compaction as a result of testing.

D. SOIL BLENDING

Blend planting soil off-site unless approved by Owner.

Thoroughly blend planting soil to create planting soil that is homogeneously blending to a uniform texture. Planting soil shall be friable, free draining, with a structure and texture that will support healthy plant growth.

Planting soil shall allow 95 percent pass through a #4 screen with no soil clods greater than 1 inch.

Planting soil shall have a continuous, air-filled pore space content on a volume/volume basis shall be at least 15 percent when moisture is present at field capacity. Soil shall have a field capacity of at least 15 percent on a dry weight basis.

SP-8

Special Provisions

Petersburg Library Landscape Improvements

Remove stones larger than $\frac{3}{4}$ " inch in any dimension and all sticks, roots, rubbish, and other extraneous matter and legally dispose of them.

Do not blend soils or soil components that are saturated or will not produce an acceptable final product. Compacted or saturated soils are not acceptable.

Delay mixing fertilizers with planting soil if installation of planting soil is greater than 72 hours. When planting soil is greater than 72 hours surface apply fertilizers on site and incorporate into upper 6 inches of soil.

Mix lime with dry soil on site and incorporate into upper 1 inch of soil.

E. PLACING PLANTING SOIL

Place topsoil in areas where seeding and planting is scheduled.

Use topsoil in relatively dry state. Place during dry weather.

Place planting soil in lifts that do not exceed 6 inches. Compact using irrigation or a water filled roller. Do not use mechanical compaction. Compact soil to 80-85% of maximum dry density. Do not spread if planting soil or subgrade is frozen, muddy, or excessively wet.

Spread approximately one-half the thickness of planting soil over loosened subgrade. Mix thoroughly into top 4 inches of subgrade. Spread remainder of planting soil.

Roll placed topsoil with a water-filled roller designed for use in the compacting of topsoil.

F. MULCHING

Rock Mulch all areas indicated on Drawings. Ensure even coverage. Geotextile fabric shall be placed underneath all rock mulch areas and is incidental to the mulch installation.

Shredded Bark Mulch in Planting Areas: Apply 1-inch average thickness of organic mulch over whole surface of planting area, and finish minus 1" with adjacent finish grades.

G. FINISHED GRADES

Finished grades shall be as follows: Planters and Lawn Area shall be a minus 1" at all adjacent walks, curbs, and surface edges.

Replace Section 75.04 Articles 4.1-4.6 with the following:

SECTION 75.04 SEEDING

Article 4.1 General

Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

Section includes: Seed requirements and methods.

SP-9

Special Provisions

Petersburg Library Landscape Improvements

Related Sections include the following:

Section 75.03 "Topsoil".

A. INSPECTIONS

Substantial Completion: At the conclusion of all seeding installation work, a substantial completion inspection shall be conducted. The Contractor shall notify the Landscape Architect in writing seven (7) days in advance of the substantial completion inspection.

Final Acceptance: At the conclusion of the maintenance period, a final acceptance inspection shall be conducted. The Contractor shall notify the Landscape Architect in writing seven (7) days in advance of the final inspection.

B. MAINTENANCE PERIOD AND WARRANTY

The maintenance period and warranty begins on the date of satisfactory completion of the substantial completion inspection. The maintenance period is sixty (60) days for seeding. If the (60) day period extends beyond the winter freeze-up, the remainder of the establishment period shall commence on May 15 of the following spring. Conditions governing final acceptance and final payment are that a healthy and uniform stand of grass be achieved, free of weeds, disease and showing no signs of a chlorotic condition. The cost of any replacement seeding shall be borne by the Contractor.

Article 4.2 Materials

A. SEED MIXTURE

SCHEDULE A - Lawn Mix

Seed type	% by Wt.	Min. % Purity	Min.% Germination
Bluegrass- ('Nugget', 'Merion' , 'Alene' or approved)	60	85	90
'Boreal' Red Fescue	40	85	90

Application Rate: 3 pounds per 1,000 square feet

B. PLANTING SOIL

Topsoil as specified in Section 75.03.

C. ACCESSORIES

Water: Clean fresh and free of substances or matter which could inhibit vigorous growth of grass.

Top Mulch: Use topsoil for top mulch where dry lawn seeding is used.

Article 4.3 Application

A. INSPECTION

Verify that prepared soil base is ready to receive the work of this Section.

Beginning of installation means acceptance of existing site condition.

B. PLACING TOPSOIL

Place topsoil seven (7) days maximum prior to seeding:

After lawn areas have been prepared, take no heavy objects over them except lawn rollers.

After preparation of lawn areas and with top soil in semi-dry condition, roll lawn planting areas in two directions at approximately right angles with water ballast roller weighing between 100 and 150 lbs.

Rake or scarify and cut or fill irregularities that develop as required until area is true and uniform, free from lumps, depressions, and irregularities.

C. SEEDING TIME

Seed shall be installed between May 15 and August 15 for summer establishment; and after the first hard frost and before snow accumulation for dormant seeding in the fall. Dormant seeding in the fall is entirely at the Contractor's risk. In the event that dormant seeding is unsuccessful, it shall be the Contractor's responsibility to re-seed the following spring.

D. HAND SEEDING

Apply seed evenly, at specified rates, in two intersecting directions. Rake in lightly. Do not seed in excess of that which can be mulched on the same day.

Do not sow immediately following rain, when ground is too dry, or during windy periods.

Roll seeded area with roller not exceeding 150 lbs.

Immediately following seeding and compacting, apply top mulch to a thickness of 1/8 - 3/16".

Apply water with a fine spray immediately after each area has been mulched. Saturate to 4 inches of soil.

E. SEED PROTECTION

Identify seeded areas with stakes, string, and fluorescent ribbon around area periphery. Set string height to 36 inches. Space stakes at maximum 60" intervals.

Contractor should recognize that the site has current pedestrian use and protection should be closely monitored.

F. CLEANUP

Project area shall be left clean and neat at the end of each working day.

Wash clean all building and paving surfaces that were affected by seed installation.

Article 4.4 Maintenance

A. WATERING

All areas shall be watered at least once a week during the maintenance period, excluding the period from the first hard frost or October 15, whichever comes first to May 15, to maintain soil moisture throughout the root zone and shall be conducted regardless of natural rain fall unless approved in writing by the Owner's Representative.

One-half of an inch (1/2") of water is required weekly and shall be applied at rates to promote maximum penetration to root zone with minimal run-off.

New lawn to be kept moist at all times for the first six (6) weeks after seeding.

B. MOWING

Lawn areas shall be mowed as needed with a maximum cut height of 1/2" inch at a time.

C. REPAIR

Repair and replacement of all damaged or dead seeded areas shall occur upon request to the Landscape Architect regardless of cause.

Immediately reseed areas which show bare spots or where new soil is added.

Protect seeded areas with warning signs during maintenance period.

D. WEED CONTROL

The Contractor shall maintain all areas in a weed-free condition. Weed removal shall be a routine maintenance activity.

Modify the following Section:

SECTION 75.06 LANDSCAPE EDGING

Delete Article 6.2 and replace with the following:

Article 6.2 Materials

LANDSCAPE EDGING

Aluminum Edging: Standard-profile extruded-aluminum edging, ASTM B 221 Alloy 6063-T6, fabricated in standard lengths with interlocking sections with loops stamped from face of sections to receive stakes.

Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:

Curv-Rite, Inc.

Permaloc Corporation.

Russell, J. D. Company (The).

Sure-Loc Edging Corporation.

Edging Size: 3/16 inch wide by 5-1/2 inches deep

Stakes: Aluminum, ASTM B 221 Alloy 6061-T6, approximately 1-1/2 inches wide by 12 inches long.

Finish: Mill (natural aluminum).

Color: Black

Replace Section 75.09 Articles 9.1-9.5 with the following:

SECTION 75.09 – SITE FURNISHINGS

Article 9.1 General

The work under this section includes but is not limited to all labor, materials, transportation, testing, maintenance, and service necessary to furnish and install the amenities as shown on the drawings and specified herein. Contractor is responsible for transportation of owner-supplied anchor to the project site (anchor is located within a 6-mile radius of the project site).

Related Sections include the following: Section 30.01– Portland Cement Concrete, for installation of anchor bolts cast in concrete footings.

Submittals: Nordic Arch with Trellis Shop Drawings: Drawings clearly identifying all materials, finishes, connections and joining methods.

Mockups: Nordic Arch Panel with fastener. This panel will be the standard from which the Work will be judged. Approved sample may become part of finish work.

Article 9.2 Products

A. MATERIALS

Steel, General: Provide materials with smooth, flat surfaces, unless otherwise indicated. For metal fabrications exposed to view in the completed Work, provide materials without seam marks, roller marks, rolled trade names, or blemishes.

Steel Plate, Shapes and Bar: ASTM A709 Grade 36, and shall be clean new stock, free from rust and pitting.

Steel Plate: ASTM A709 Grade 36.

Fasteners, General: Unless otherwise indicated, provide Type 304 stainless-steel fasteners for exterior use. Select fasteners for type, grade, and class required.

B. WOOD MATERIALS

General: All wood materials shall be rough-cut, unless otherwise notes.

SP-13

Special Provisions

Petersburg Library Landscape Improvements

Posts:

1. Species: Alaska Yellow Cedar
2. Grade: Selects
3. Surface Texture: Rough-sawn
4. Grading Rules Agency: WCLIB or WWPA

C. TRELLIS

Trellis: Shall be 'Eco-Mesh' Trellis system as manufactured by McNICHOLS CO. www.mcnichols.com, phone 1-800-237-3820 or approved equal. Color black.

D. PAINT

Arch paint shall be outdoor paint suitable for galvanized steel. Color black.

Rosemaling detailing by others. Coordinate with Library Director prior to installation.

Article 9.3 Construction

A. EXAMINATION

Examine all surfaces indicated to have site amenities installed, and the details on the drawings for defects that will adversely affect the work and for deviations beyond allowable tolerances. Start of work shall mean acceptance of interfacing surfaces as capable of producing an acceptable job.

B. PREPARATION

Pre-assemble all parts in shop to the greatest extent possible. Assemble items in accordance with the applicable manufacturer's standards and instructions. All fasteners and accessory items shall be as recommended by the manufacturer unless shown as otherwise on the Drawings.

Assemble items in accordance with the applicable manufacturer's standards and instructions. All fasteners and accessory items shall be as recommended by the manufacturer unless shown as otherwise on the Drawings.

C. FABRICATION

Finish exposed surfaces smooth, uniform, sharp, and true to well-defined lines.

Horizontal elements shall be fabricated perpendicular to vertical elements. Vertical elements shall be constructed to be installed plumb.

Drill metalwork as required for attaching hardware or other materials.

D. WELDING

Meet requirements of ANSI/AWS D1.1-92 for techniques of welding employed, appearance, quality of welds made, and the methods of correcting defective work.

Meet visual acceptance standards of ANSI/AWS D1.1-92, paragraph 8.15.1 Welds shall be ground smooth to required size and be free of putty, pits, pinholes and debris.

Complete welding before applying finish.

All welds shall be continuous unless shown otherwise.

E. ASSEMBLY

It is the fabricator's responsibility to ensure that measurements as shown on Drawings match the dimensioning required for field installation within tolerance.

Use fasteners as shown or scheduled.

Grind cut edges smooth and straight.

F. INSTALLATION

General:

1. Install plumb or level, accurately fitted, free from distortion or defects.
2. Install manufactured products in accordance with manufacturer's recommendations.
3. Allow for erection loads, and for sufficient temporary bracing to maintain true alignment until completion of erection and installation of permanent attachments.
4. Obtain Landscape Architect acceptance prior to site cutting or making adjustments not scheduled.

Erection Tolerances:

1. Variation from horizontal alignment for posts shall not exceed ½-inch.
2. Vertical variation from plumb or correct elevation should be corrected via the post leveling plate and should never vary from plumb or correct elevation.
3. Steel cap for entrance sign posts and panel shall be sized to provide a snug fit with post.

G. OWNER-SUPPLIED ANCHOR

Pick-up and deliver owner-supplied anchor to project site in the location indicated on the plans. Install anchor on it's side, lengthways. Blocking and bracing may be required.

Modify the following Section:

SECTION 75.11 BOULDERS

Delete Article 11.2 and replace with the following:

Article 11.2 Materials

BOULDERS

Boulders shall be shot rock boulders and other owner selected 'granite boulders' from the Borough of Petersburg Quarry in accordance with dimensions identified on the drawings.

Contractor is responsible to sort, pick and transport boulders from the quarry to the project site.

Boulders shall be uniform in color and character, free of blastholes, paint and sharp edges.

Size per plans with the following tolerances:

Circumference = +/- 2 feet

Height = +/- 0.5 feet

The selection of boulders shall be approved by the Landscape Architect prior to transporting them to the site. The Landscape Architect reserves the right to reject boulders that are damaged or defaced prior to installation.

All boulders shall be handled in such a way as to not leave a damaged or scarred surface to the portion of the boulder exposed to view after placement.

Add the following to Article 11.3:

Article 11.3 Construction

Place boulders prior to installation of plant material.

Stake locations, or outline areas, to receive boulders as indicated on Drawings. Adjust locations when requested and obtain Landscape Architect acceptance of layout before installing boulders. Make minor adjustments as required.

Set boulders as indicated on Drawings and ensure boulders are stable and will not move.

Place most aesthetic side (interesting color and/or shape, fewer scratches, etc) of boulder up and face to allow maximum visibility. Make minor adjustments as requested by Landscape Architect.