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| AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT | | | 1. Contract Number DCKG-2011-R-0180 | Page of Pages 1 1 |
| 2. Amendment/Modification Number DCKG-2011-R-0180-002 | 3. Effective Date 19-Aug-11 | 4. Requisition/Purchase Request No. | | 5. Solicitation Caption Design and Installation Low Impact Development Stormwater Retrofits and Outdoor Education Features at Three District of Columbia Schools. |
| 6. Issued By: Department of Real Estate Services Contract and Procurement Division 2000 14th Street N.W., Suite 500 Washington, D.C. 20009 | | Code 03B | 7. Administered By (If other than line 6) Department of Real Estate Services Contract and Procurement Division 2000 14th Street N.W., Suite 500 Washington, D.C. 20009 | |
| 8. Name and Address of Contractor (No. Street, city, country, state and ZIP Code) | | | (X) | 9A. Amendment of Solicitation No. DCKG-2011-R-0180 |
| | | | | 9B. Dated (See Item 11) 3-Aug-11 |
| | | | | 10A. Modification of Contract/Order No. |
| | | | | 10B. Dated (See Item 13) |
| Code | Facility | | | |
| 11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS | | | | |
| <input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended. <input checked="" type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning <u>1</u> copy of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or fax which includes a reference to the solicitation and amendment number. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or fax, provided each letter or telegram makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified. | | | | |
| 12. Accounting and Appropriation Data (If Required) | | | | |
| 13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14 | | | | |
| (X) | A. This change order is issued pursuant to: (Specify Authority) The changes set forth in Item 14 are made in the contract/order no. in item 10A. | | | |
| | B. The above numbered contract/order is modified to reflect the administrative changes (such as changes in paying office, appropriation data, etc.) set forth in item 14, pursuant to the authority of 27 DCMR, Chapter 36, Section 3601.2. | | | |
| | C. This supplemental agreement is entered into pursuant to authority of: | | | |
| | D. Other (Specify type of modification and authority) | | | |
| E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return <u>1</u> copy to the issuing office. | | | | |
| 14. Description of amendment/modification (Organized by UCF Section headings, including solicitation/contract subject matter where feasible.) The subject solicitation is hereby amended as follows: 1. Attachment A: Project Clarifications 2. The proposal due date and time remains the same. | | | | |
| Except as provided herein, all terms and conditions of the document referenced in Item (9A or 10A) remain unchanged and in full force and effect | | | | |
| 15A. Name and Title of Signer (Type or print) | | | 16A. Name of Contracting Officer Diane Wooden | |
| 15B. Name of Contractor | | 15C. Date Signed | 16B. District of Columbia <i>Diane Wooden</i> | 16C. Date Signed 8/19/11 |

ATTACHMENT A

CLARIFICATION FOR RIVERSMART SCHOOL LID SCOPE OF WORK

The following categories of clarification apply to the general proposal process or to all three school projects equally. Following this section will be clarifications specific to each school site.

FEE/PRICE PROPOSAL: Fee and Price are words used interchangeably on Page 4 of the RFQ but both refer to your costs to perform the design, permitting and construction tasks. Permit Fees will be addressed below. As it states, please submit a separate fee/price proposal. The total price you submit for performing the work will not be viewable by the technical reviewers who will rank your proposals. Your price becomes relevant after the proposals are ranked on a technical basis and used in negotiations conducted to align DDOE's budget with the top ranked firm or firms relative to a final scope of work.

PAYMENT AND PERFORMANCE BONDS: Required prior to the construction/installation phase of this project.

SURVEY AND GEOTECH REPORT: As mentioned at the site visit, this is not going to be a highly sophisticated installation so a quick survey and a brief geotechnical report that includes an assessment of the soils found during a perc test, the infiltration rates from a few locations, rough calculations on the drainage area and expected water volumes based on the common storm events used to make the volume calculations would all be good albeit lighter-side due diligence.

PERMIT PROCESS: DDOE intends to provide the following types of assistance to the successful bid team during the permit process: coordination with DDOE reviewers, communication with agencies or reviewers not fulfilling their advertised commitments about review time frames and comment provision, identification of key contacts. Regardless of this assistance, obtaining the permits and all fees and associated costs are the sole responsibility of the awarded Contractor. Other construction permits may be required including, but not limited to, permits for staging equipment in public space and traffic management. The Contractor will be required to examine which permits will be needed for this project and work to obtain them.

PERMIT FEES: Per discussions during the site visits, plan to have all permit fees covered by the Department of the Environment. Actual permit fees only are the costs DDOE will cover. All other permit related costs will be the responsibility of the successful bid team. The money will be reimbursed to the successful bid team via a contract change order after the fee amounts are known.

PLANTING: While it would be nice to have students on site during days when planting is taking place, DDOE agrees with the sentiments of the attendees about the effect volunteer labor can have on the survivability of the plants. So plan on self-performing all plantings but consider hosting and training students on key days when key activities will be taking place.

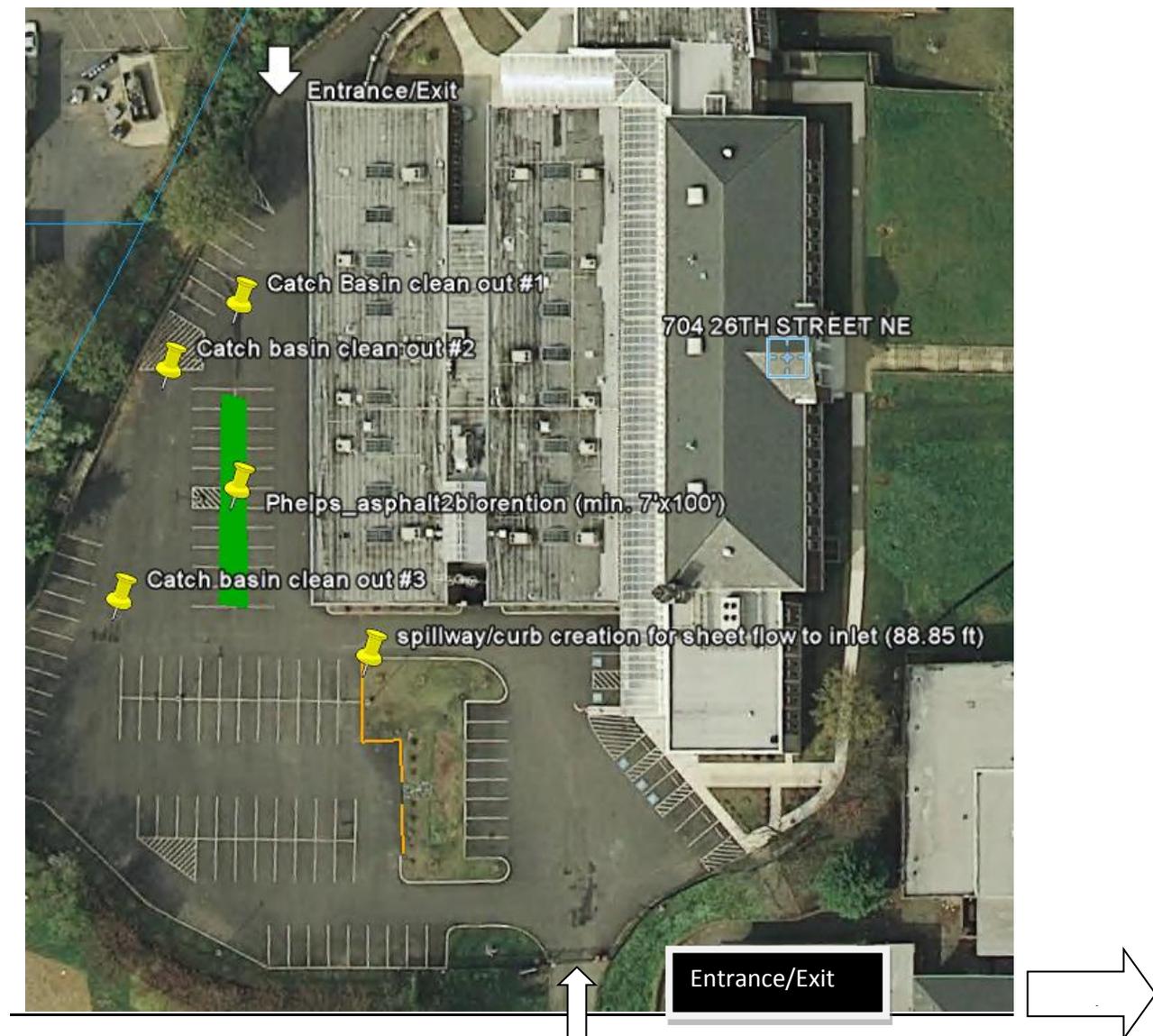
O&M MANUAL PLUS TRAINING: A big issue with past projects has been the lack of an official hand off from the designers and builders of the projects to the proper people at each site who will be responsible for the operation and maintenance of the installed facilities. So DDOE would like everyone to plan on developing and providing a detailed operations and maintenance manual with drawings, maintenance

tasks and frequency and anything else relevant. A training with the manual in hand should also be performed for those who will become responsible for

WALKER JONES EDUCATIONAL CAMPUS

DDOE is eliminating this project and this location after determining that there are unresolved issues with the exact location of the property line between the school and church and because of the small size of the only bioretention area viable due to the pitch of the parking lot. The funds from this project will be divided and added into the other two projects (Seed and Phelps) to allow us all to accomplish more at the other two higher-potential school sites.

PHELPS ARCHITECTURE, CONSTRUCTION AND ENGINEERING HIGH SCHOOL



- 1) REAR PARKING LOT - NEW BIORETENTION PROJECT (7ft x 100ft):

TREE SPACING - Tree spacing should be dictated by tree species selected to best thrive based on the design of the installation. Tree spacing will be no great than 12 ft. Tree caliper for the purposes of

bidding should be 2.5". Maximizing shade would be a good goal but again, species should be dictated by what will thrive best in the designed environment and expected conditions. The DDOE recommends river birches (*Betula nigra*) with drought-tolerant perennials such as eastern coneflowers (*Rudbeckia fulgida, hirta*). The border outline edging of the bioretention should have about 21 recycled tired bumpers.

2) REAR PARKING LOT – CATCH BASIN CLEAN OUT:

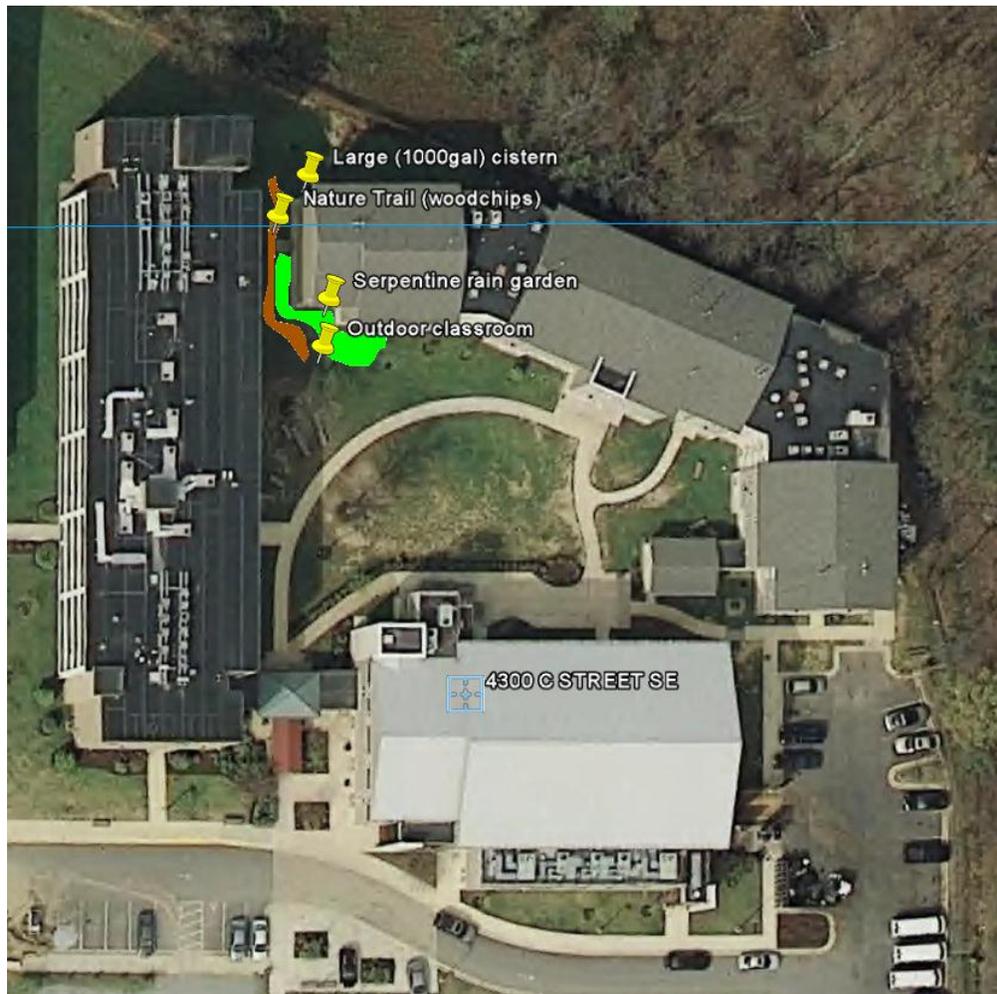
The new bioretention will need an underdrain (see page 6 of the Scope of Work). There are three nearby catch basins that will need to be vacuumed and jetted.

3) SIDE PARKING LOT – SPILLWAY, SHEET FLOW CREATION to EXISTING BIORETENTION:

EXISTING BIORETENTION - There is an existing bioretention system in the longer length section of the sunken area. Repair and expand on the existing system has been assigned to school's contractor. The DDOE is eliminating the bioretention repair and wetland from this project task.

CURB CREATION – The DDOE would like the awarded contractor to create a spillway, approximately 88.85 ft, to direct parking lot runoff into the "existing" bioretention inlet.

SEED PUBLIC CHARTER SCHOOL



UNDERGROUND STORMWATER DRAIN – The pipe below the agreed upon location of some of the surface level installations was determined to be 4 feet below the surface of the ground between the storm drain and the BMP.

CISTERN LOCATION – The cistern must be cited at the rear or around the side of the SW corner of the newer dorm building adjacent to the older center building on the site. The cistern should be a minimum of 1,000 gallons instead of the 700-gallon. A sign should be posted that says, Warning: Water collected from the roof is not sanitary for consumption.

SERPENTINE RAIN GARDEN AND NATURE TRAIL – Because funding will be diverted to this site from the Walker Jones Campus, DDOE would like to include a serpentine rain garden between the older center building's 8 inch PVC downspout and the area drain in the courtyard. The planting would consist of shade tolerant plants (see Fig. 1) in-between the two buildings and sunny and the sunny meadow plant species (see Fig. 2). Since the courtyard is the student's play area, some type of border around the rain garden will be installed. DDOE would like to reintroduce the inclusion of the nature trail as well in light of the shifted funds.

OUTDOOR CLASSROOM – The outdoor learning space will be located in the  corner of the campus's central courtyard by the serpentine rain garden. DDOE is looking for some permanent benches that would accommodate 15-20 scholars.

Figure 1. Shade-tolerant Plant List for SEED's Rain Garden section in-between buildings.

| # | Latin Name | Common name | Interest | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|---|--|--------------------|-----------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1 | Choice of Small Tree | | | | | | | | | | | | | | |
| | <i>Chionanthus virginiana</i> | Fringe Tree | Fragrant wt flowers, Black fruit | | | | | x | x | x | x | x | | | |
| | <i>Magnolia grandiflora 'little gem'</i> | Southern Magnolia | Frag. wt flowers, Red fruit, evg | x | x | x | xx | xx | x | xx | xx | xx | x | x | x |
| | <i>Magnolia virginiana</i> | Sweet Bay Magnolia | White flowers, red fruit, yell fc | | | | | x | x | | | x | x | | |
| | | | | | | | | | | | | | | | |
| | Shrubs | | | | | | | | | | | | | | |
| 4 | <i>Hypericum densiflorum</i> | St. John's wort | Yellow flowers | | | | | | | x | x | x | | | |
| 3 | <i>Ilex glabra</i> | Inkberry Holly | Evergreen foliage | x | x | x | x | x | x | x | x | x | x | x | x |
| 3 | <i>Ilex verticillata</i> | Winterberry Holly | persistant red berries | | | | | | | | | | x | x | x |
| | | | | | | | | | | | | | | | |
| | Perennials | | | | | | | | | | | | | | |
| 3 | <i>Amsonia 'blue ice'</i> | Blue star amsonia | Light blue flowers | | | | | x | x | x | | | | | |
| 5 | <i>Asclepias tuberosa</i> | Butterfly weed | Orange flowers | | | | x | x | | | | | | | |
| 5 | <i>Aster Novae angliae</i> | New England Aster | Purple flowers | | | | | | | | x | x | x | | |
| 3 | <i>Baptisia australis</i> | false blue indigo | Blue flowers | | | | | x | x | | | | | | |
| 4 | <i>Chelone glabra 'hotlips'</i> | Pink Turtlehead | Pink flowers | | | | | | | x | x | x | x | | |
| 3 | <i>Eupatorium dubium, maculatum</i> | Joe Pye weed | Rose flowers | | | | | | | x | x | x | x | | |
| 3 | <i>Geranium maculatum</i> | Wild geranium | pink/blue flowers | | | | x | x | x | x | | | | | |
| 4 | <i>Helianthus angustifolium</i> | Swamp sun-flower | Yellow flowers | | | | | | | | x | x | x | | |
| 3 | <i>Liatris spicata</i> | Blazing star | Rose/purple flowers | | | | | | | x | x | | | | |
| 4 | <i>Lobelia cardinalis</i> | Cardinal flower | Red flowers | | | | | | | x | x | x | x | | |
| 4 | <i>Phlox subulata</i> | Moss pinks/phlox | Evg, pink flowers | x | x | | x | x | x | | | | | x | x |
| 6 | <i>Sisyrinchium angustifolium</i> | Blue-eyed grass | Blue flowers | | | | x | x | x | | | | | | |
| 3 | <i>Vernonia noveboracensis</i> | New York Iron weed | Purple flowers | | | | | | | | x | x | x | | |

Figure 2. Sunny Meadow Plant List for SEED rain garden.

| # | Latin Name | Common name | Interest | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|---|---|--------------------|--------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1 | Choice of Large Shrub ~ 10x10' (or small tree) | | | | | | | | | | | | | | |
| | <i>Amelanchier arborea</i> | Downy serviceberry | White flowers, yel -red fc | | | x | x | x | | | | | x | x | |
| | <i>Cercis canadensis</i> | Eastern Redbud | lavender/pink flowers | | | | x | x | | | | | | | |
| | <i>Hamamelis virginiana</i> | Witch Hazel | Yellow winter blooms | | | | | | | | | x | x | x | x |
| | <i>Kalmia latifolia</i> | Mountain Laurel | Evg. white-pink flowers | x | x | x | xx | xx | xx | x | x | x | x | x | x |
| | <i>Lindera benzoin</i> | Spicebush | aromatic, red berries, yell fc | | | | | | | | | x | x | x | |
| | <i>Physocarpus opulifolius</i> | Ninebark | White flowers, yell fc | | | x | x | | | | | x | x | x | |
| | <i>Rhododendron maximum</i> | Rhododendron | Evg. white-pink flowers | x | x | x | xx | xx | xx | x | x | x | x | x | x |
| | <i>Viburnum dentatum, nudum or prunifolium</i> | | White flowers, blue fruit | | | | x | x | x | | | x | x | x | |
| 1 | Choice of Med. Shrub ~ 6x6' | | | | | | | | | | | | | | |
| | <i>Cephalanthus occidentalis</i> | Buttonbush | fragrant White flowers | | | | | | | x | x | | | | |
| | <i>Sambucus racemosa</i> | Red Elderberry | white flowers | | | | | | x | x | | | | | |
| | Shrubs | | | | | | | | | | | | | | |
| 1 | <i>Kalmia angustifolia</i> | Sheep Laurel | Evergreen, pink flowers | x | x | x | x | x | x | x | x | x | x | x | x |
| 3 | <i>Fothergilla gardenii</i> | Dwarf fothergilla | white flowers, red fc | | | | x | x | | | | x | x | x | |
| 2 | <i>Ilex verticillata</i> | Winterberry Holly | Persistent red berries | | | | | | x | x | | x | x | x | |
| 3 | <i>Itea virginica</i> | Sweetspire | white flowers, red fc | | | | | x | x | x | x | x | | | |
| | Perennials | | | | | | | | | | | | | | |
| 3 | <i>Aquilegia canadensis</i> | Wild columbine | Red and yellow bell flowers | | | | x | x | x | | | | | | |
| 1 | <i>Arisaema triphyllum</i> | Jack-in-the-pulpit | unusual flower, red berries | | | x | x | x | | | | | | | |
| 3 | <i>Asarum canadense</i> | Wild ginger | semi evg ground cover | | | x | x | x | x | x | x | x | | | |
| 4 | Choice of: | | | | | | | | | | | | | | |
| | <i>Polemonium reptans</i> | Jacob's ladder | Light Blue/Purple flowers | | | | x | x | x | x | | | | | |
| | <i>Tradescantia virginiana</i> | Spiderwort | Bright Blue/Purple flowers | | | | x | x | x | | | | | | |
| 5 | Choice of: | | | | | | | | | | | | | | |
| | <i>Anemone canadensis</i> | Anemone | White flower | | | | x | x | x | | | | | | |
| | <i>Sanguinaria canadensis</i> | Blood root | White flower | | | x | x | x | | | | | | | |
| | <i>Tiarella cordifolia</i> | Foam flower | White flower | | | | x | x | x | | | | | | |
| 6 | <i>Eupatorium rugosum</i> | snake root | White flower | | | | | | | | | x | x | | |
| 1 | <i>Osmunda regalis</i> | Royal Fern | large decorative fronds | | | | | x | x | x | x | x | | | |
| 4 | <i>Phlox stolonifera</i> | creeping phlox | light pink -blue flower | | | | x | x | x | | | | | | |
| 2 | <i>Polystichum acrostichoides</i> | Christmas Fern | Evergreen foliage | | | | x | x | x | | | | | | |