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	SIZE	COMMON/SCIENTIFIC NAME	QTY	SF VALUE	TOTAL
\sim	65 GAL.	BUR OAK QUERCUS MACROCARPA	11	250	2,750
D	7"-8" CAL.	LIVE OAK QUERCUS VIRGINIANA	12	250	3,000
	65 GAL.	LIVE OAK QUERCUS VIRGINIANA	12	250	3,000
	15 GAL.	NELLIE R . STEVENS HOLLY ILEX 'NELLIE R. STEVENS'	4	100	400
	30 GAL.	BASHAM PARTY PINK CRAPE MYRTLE	9	100	900
	30 GAL.	CHASTE TREE VITEX AGNUS -CASTUS	9	100	900
	15 GAL.	TEXAS SOTOL DASYLIRION TEXANUM	9	15	135
	3 GAL.	RED YUCCA HESPERALOE PARVIFLORA	45	10	450
	1 GAL.	DALLAS RED LANTANA LANTANA CAMARA	71	0	0
	5 GAL.	DWARF BURFORD HOLLY ILEX CORNUTA 'DWARF BURFORD'	370	10	3,700
	3 GAL.	DESPERADO TEXAS SAGE LEUCOPHYLLUM FRUTESCENS 'DESPERADO'	554	10	5,540
	-	BERMUDA (SOLID SOD) CYNODON DACULATA	51,797 SF	0	0
00000000000000000000000000000000000000	1 GAL.	BIG BLUE LIRIOPE <i>LIRIOPI MUSCARI</i> 'BIG BLUE'	2,660	0	0
	-	HYDROSEED (COMMON BERMUDA)	9,107 SF	0	0
	-	DECOMPOSED GRANITE	8,318 SF	0	0
na a nacha stara stara stara stara 1997 1997 1997 1997 1997	ΤΟΤΑ	AL AREA PROVIDED: 20,775 SF		1	

2) NOT LESS THAN 50% OF REQUIRED AREA SHALL BE TREES -- 18,445 SF REQ'D; 10,950 PROVIDED

GENERAL NOTE: ALL LANDSCAPING SHALL BE FULLY IRRIGATED.



THIS PROJECT & THE IDEAS HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF THE ARCHITECT & IS NOT TO BE USED IN WHOLE OR IN PART, WHITHOUT THE AUTHORIZATION OF BURDITT CONSULTANTS, LLC.

ISSUANCE:

100% - FOR BID ONLY 10/17/2023





1 INCH IF THIS LINE DOES NOT MEASURE ONE INCH THIS DRAWING IS NOT TO SCALE AND SHOULD NOT BE SCALED FOR DIMENSIONAL INFORMATION.

LANDSCAPE DETAILS

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Adjusted plant quantities.

(A1) PLANT SCHEDULE

TREES	QTY	COMMON/SCIENTIFIC NAME	SPACING	CONT.	CAL.	HEIGHT	SPREAD	COMMENT
$\overline{\bigcirc}$	11	BUR OAK QUERCUS MACROCARPA	-	65 GAL	3.5"	12'-14'	6'-7'	SINGLE TRUNK. DISEAS TREE FORM.
\bigcirc	12	LIVE OAK QUERCUS VIRGINIANA	-	65 GAL	7"-8"	12'-14'	6'-7'	SINGLE TRUNK. DISEAS JESSE SHULSE WITH EI
de la construction de la constru	12	LIVE OAK QUERCUS VIRGINIANA	-	65 GAL	3.5"	12'-14'	6'-7'	SINGLE TRUNK. DISEA TREE FORM.
ORNAMENTAL TREES	QTY	COMMON/SCIENTIFIC NAME	SPACING	CONT.	CAL.	HEIGHT	SPREAD	COMMENT
*	4	NELLIE R. STEVENS HOLLY ILEX 'NELLIE R. STEVENS'	-	15 GAL	1"-1.25"	5'-7'	3'-4'	STANDARD (SINGLE T SOLUTIONS.
٢	9	BASHAM'S PARTY PINK CRAPE MYRTLE LAGERSTROEMIA INDICA 'BASHAM'	-	30 GAL	-	8'-10'	4'-5'	MULTI-TRUNK. DISEASI
(a)	9	CHASTE TREE VITEX AGNUS-CASTUS	-	30 GAL	-	8'-10'	4'-5'	MULTI-TRUNK. DISEASI
SHRUBS	QTY	COMMON/SCIENTIFIC NAME	SPACING	CONT.	CAL.	HEIGHT	SPREAD	COMMENT
O	9	TEXAS SOTOL DASYLIRION TEXANUM	36" O.C.	15 GAL	-	24"	18"	FULL, SYMMETRICAL FO TRIANGULAR SPACING.
0	45	RED YUCCA	18" O.C.	3 GAL	-	18"	12"	FULL, SYMMETRICAL FO TRIANGULAR SPACING.
O	10	HESPERALOE PARVIFLORA	10 0.0.	• • · · ·				TRIANGULAR SPACING.
SHRUB / GROUNDCOVER AREA	QTY	HESPERALOE PARVIFLORA COMMON/SCIENTIFIC NAME	SPACING	CONT.	CAL.	HEIGHT	SPREAD	COMMENT
					CAL.	HEIGHT 36"	SPREAD	
	QTY	COMMON/SCIENTIFIC NAME	SPACING	CONT.	CAL. - -			COMMENT FULL, SYMMETRICAL FO
	QTY 370	COMMON/SCIENTIFIC NAME DWARF BURFORD HOLLY ILEX CORNUTA 'DWARF BURFORD' DALLAS RED LANTANA	SPACING 36" O.C.	CONT. 5 GAL	CAL. - -	36"	24"	COMMENT FULL, SYMMETRICAL FO TRIANGULAR SPACING. FULL, SYMMETRICAL FO
	QTY 370 71	COMMON/SCIENTIFIC NAME DWARF BURFORD HOLLY ILEX CORNUTA 'DWARF BURFORD' DALLAS RED LANTANA LANTANA CAMARA DESPERADO TEXAS SAGE	SPACING 36" O.C. 18" O.C.	CONT. 5 GAL 1 GAL	CAL. - - -	36" 8"	24" 12"	COMMENT FULL, SYMMETRICAL FO TRIANGULAR SPACING. FULL, SYMMETRICAL FO FULL, SYMMETRICAL FO
	QTY 370 71 724 48,754	COMMON/SCIENTIFIC NAME DWARF BURFORD HOLLY ILEX CORNUTA 'DWARF BURFORD' DALLAS RED LANTANA LANTANA CAMARA DESPERADO TEXAS SAGE LEUCOPHYLLUM FRUTESCENS 'DESPERADO' CELEBRATION BERMUDA GRASS	SPACING 36" O.C. 18" O.C.	CONT. 5 GAL 1 GAL	CAL. - - -	36" 8"	24" 12"	COMMENT FULL, SYMMETRICAL FO TRIANGULAR SPACING FULL, SYMMETRICAL FO TRIANGULAR SPACING FULL, SYMMETRICAL FO TRIANGULAR SPACING
	QTY 370 71 724 48,754 SF	COMMON/SCIENTIFIC NAME DWARF BURFORD HOLLY JLEX CORNUTA 'DWARF BURFORD' DALLAS RED LANTANA LANTANA LANTANA CAMARA DESPERADO TEXAS SAGE LEUCOPHYLLUM FRUTESCENS 'DESPERADO' CELEBRATION BERMUDA GRASS CYNODON DACTYLON 'CELEBRATOIN' BIG BLUE LIRIOPE	SPACING 36" O.C. 18" O.C. 30" O.C.	CONT. 5 GAL 1 GAL 3 GAL –	CAL. - - - -	36" 8" 36" –	24" 12" 24" _	COMMENT FULL, SYMMETRICAL FO TRIANGULAR SPACING FULL, SYMMETRICAL FO TRIANGULAR SPACING FULL, SYMMETRICAL FO FULL AND WEED FREE. FULL, SYMMETRICAL FO
	QTY 370 71 724 48,754 SF 2,660	COMMON/SCIENTIFIC NAME DWARF BURFORD HOLLY JLEX CORNUTA 'DWARF BURFORD' DALLAS RED LANTANA LANTANA LANTANA DALLAS RED LANTANA LANTANA DESPERADO TEXAS SAGE LEUCOPHYLLUM FRUTESCENS 'DESPERADO' CELEBRATION BERMUDA GRASS CYNODON DACTYLON 'CELEBRATOIN' BIG BLUE LIRIOPE LIRIOPE LIRIOPE MUSCARI 'BIG BLUE'	SPACING 36" O.C. 18" O.C. 30" O.C.	CONT. 5 GAL 1 GAL 3 GAL –	CAL	36" 8" 36" –	24" 12" 24" _	COMMENT FULL, SYMMETRICAL FO TRIANGULAR SPACING. FULL, SYMMETRICAL FO TRIANGULAR SPACING. FULL, SYMMETRICAL FO TRIANGULAR SPACING. FULL, SYMMETRICAL FO TRIANGULAR SPACING.
	QTY 370 71 724 48,754 SF 2,660 9,070 4,876	COMMON/SCIENTIFIC NAME DWARF BURFORD HOLLY ILEX CORNUTA 'DWARF BURFORD' DALLAS RED LANTANA LANTANA LANTANA CAMARA DESPERADO TEXAS SAGE LEUCOPHYLLUM FRUTESCENS 'DESPERADO' CELEBRATION BERMUDA GRASS CYNODON DACTYLON 'CELEBRATOIN' BIG BLUE LIRIOPE LIRIOPE MUSCARI 'BIG BLUE' DECOMPOSED GRANITE	SPACING 36" O.C. 18" O.C. 30" O.C.	CONT. 5 GAL 1 GAL 3 GAL –	CAL	36" 8" 36" –	24" 12" 24" _	COMMENT FULL, SYMMETRICAL FO TRIANGULAR SPACING FULL, SYMMETRICAL FO TRIANGULAR SPACING FULL, SYMMETRICAL FO TRIANGULAR SPACING FULL, SYMMETRICAL FO TRIANGULAR SPACING REFERENCE LANDSCAP

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TURBED AREAS. REFERENCE SPECIFICATIONS FOR SEED MIX.	
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SITE PREPARATION

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A. Grading

- Strip existing vegetation and soil in areas to receive planting and grass to depth sufficient to prevent intermingling with subsoil or other objectionable material.
 Back fill with topsoil and planting back fill. Mix to depth shown on drawings or 1" minimum.
- 2. Perform grading within Contract limits, including adjacent transition areas, where required, to new elevations, levels, and contours indicated. Provide sub-grade surfaces parallel to finished surface grades. Provide uniform levels and slopes.
- Grade surface to ensure areas drain away from structures and to prevent ponding and pockets of surface drainage. Provide sub-grade surfaces free from irregular surface changes. Provide sub-grade surface free of exposed boulders or stones exceeding 4 inches in greatest dimension in paved areas; 2 inches lawn areas.
- 4. Provide adequate drainage of the working area at all times.
- 5. Fine grade topsoil eliminating rough and low areas to ensure positive drainage. Maintain levels, profiles, and contours of sub-grades.
- Remove stones, roots, weeds, and debris while raking topsoil. Rake surface clean of stones 1 inch or larger in any dimension and of all debris. Place planting backfill mix to depth specified on drawings.
- 7. Finished grades (top of soil prior to hydro-mulch, or top of sod) shall be maximum of 1 inch below walkway pavement or top of curb surface.
- 8. Work shall include the final responsibility for proper surface drainage of planted areas. Any obstructions on the site, or prior work done by another part, which precludes establishing proper drainage shall be brought to the attention of the Owner in writing.

B. Plant Layout:

Layout individual tree locations of trees to be machine moved by others and areas for multiple plantings as shown on drawings. In case of conflicts or non-contractual conditions, notify Owner's Representative before proceeding with the work.

- C. Preparation of Planting Backfill Mix
- Mix specified soil amendments and fertilizers with topsoil at rates indicated. Delay mixing of fertilizer if planting will not follow placing of planting soil within 48 hours, unless otherwise directed. Amendments shall be incorporated into the soil as a part of the soil preparation process prior to fine Amendments shall be incorporated into the soil as a part of the soil preparation process prior to fine grading, fertilizing, and planting. Each amendment material shall be broadcast or spread evenly at the specified rate over the planting area. Amendments shall be thoroughly incorporated into the topsoil until amendments are pulverized and have become a homogeneous layer of soil ready for planting. Incorporation and mixing shall be accomplished by mechanical means.
- 2. For planting beds, mix planting soil prior to backfilling.

PLANTING

- A. General
 Perform all work in accordance with all applicable laws, codes, and regulations required by authorities having jurisdiction over such work and provide all inspections and permits required by Federal, State, planting works.
 - 3. All plant materials shall possess the following minimum qualities:
 - a. Plants shall be nursery grown in accordance with good horticultural practices under climatic conditions similar to those of the project for at least twelve months.
 b. All plants shall be heavy, symmetrical, tightly knit, so trained or favored for development and appearance as to be superior in form, number of branches, compactness, and
 - c. Plants shall be sound, healthy and vigorous, well branched, and densely foliated
 - when in leaf. They shall be free of disease, insects, pests, eggs, or larvae.All plants shall be true of species and variety and shall conform to measurements
 - (caliper size, trunk heights,spread) as specified on the drawings.container grown stock when specified shall have grown in the container in which
 - delivered for at least six months, but not over two years. Samples must prove no rootbound conditions exist.
 - f. Caliper measurements shall be taken at a point on the trunk 4' (4'above natural ground line for trees up to four inches (4") in caliper.
 - g. All trees shall be staked as detailed.

4. Work Included: Furnish and install landscape planting materials as shown on landscape plans and details.
a. Provide all topsoil, mixed soils, plant material, sod, seed, shrubs and trees as shown on

- Provide all site layout of work described in drawings.
- c. Provide necessary protections to prevent damage to existing trees and vegitaiton
- that are to remain in place.d. restore all damaged improvements to their original condition, as acceptable to any parties with jurisdiction.

A. Excavation for Shrubs

1. Excavate pits, beds and trenches with vertical sides and with bottom of excavation slightly raised

- at center to provide proper drainage. 2. Make excavations at least half again as wide as the ball diameter and equal to the ball depth
- plus $\frac{1}{2}$ the ball depth plus 3" allowance for setting of ball on a layer of compacted back-fill. 3. Dispose of subsoil removed from planting excavations. Mix with planting soil or use as back-fill. Only areas below root ball per details.

B. Planting Trees and Large Shrubs

- Set stock on layer of compacted planting soil mixture, plumb and in center of pit at same elevation as adjacent finished planting grades. Place fertilizer tablets evenly spaced in hole at specified rate. Place additional back-fill mix around base and sides of ball and work each layer to settle back-fill and eliminate voids and air pockets. When excavation is approximately 2/3 full, water thoroughly before placing remainder of back-fill. Repeat watering until no more water is absorbed. Dish top of back-fill to allow for mulching.
- Prune, thin out, and shape shrubs in accordance with standard horticultural practice.
 Prune shrubs to retain natural character. Remove and replace excessively pruned or misformed stock resulting from improper pruning.

C. Planting shrubs, Groundcover and Seasonals

- 1. Excavate hole as necessary to accommodate root ball. Place fertilizer tablet(s) or granular fertilizer in hole according to recommended rate. Back-fill hole with planting back-fill mix. Water after planting to remove voids and place additional prepared soil to cover root ball if necessary.
- Mulch entire planting bed areas with 3 inches bark mulch spread consistently and evenly across root balls and entire planting bed areas.

D. Treat entire areas of planting and tree root balls with:

Broadcast application of fire ant insecticide at manufacturer's recommended rate.
 Broadcast application of pre-emergent herbicide at manufacturer's recommended rate (except seasonal beds).and local authorities in supply, transportation, and installation of materials.
 The contractor shall be responsible for the verification of all underground utility lines (telephone, gas, water, electrical, cable, TV, etc.) and all overhead utility easements prior to start of any

CLEANUP AND PROTECTION

- A. During planting work, keep pavements clean and work area in an orderly condition. Sweep site and remove trash at end of each work day as necessary.
- B. Protect planting work and materials from damage due to planting operations, operations by other contractors and trades and trespassers. Maintain protection during installation periods. Treat, repair or replace damaged planting work as directed by Owner's Representative.
- C. Stockpile, haul from site, and legally dispose of waste materials and debris. Accumulation will not be permitted. Maintain haul and disposal routes clear, clean, and free of debris. On-site burning of combustible cleared materials will not be permitted.
- D. Upon completion of work, clean areas within Contract limits, remove tools, supplies and equipment. Wash down curbs and pavement areas. Scrub curbs and walks as necessary to insure a clean surface. Provide site clean and free of materials and suitable for use as intended.

SOD

- 1. Sodding on Prepared Finished Grade:
 - A. Do not commence sodding operation until irrigation system is certified complete by the Landscape Architect and owner.
 B. Provide 1" minimum top soil at all areas to receive sod.
 C. Bed Preparation: Immediately after the finished grade has been approved, begin sodding operations to reduce excessive week growth. If soil is dry immediately prior to sod installation, dampen surface with a fine mist of water.
 D. Installation:
 - Lay sod so that adjacent strips butt tightly with no spaces between strips. Sod joints shall butt evenly with no overlap. Discard sod with irregular edges, discolored, uneven thickness or insufficient topsoil. Lay sod on mounds and slopes with strips parallel to contours. Stagger joints. Sodded areas shall be flush with adjoining seeded
 - Peg sod on slopes three to one or steeper with pegs driven through sod into soil until pegs are plush with turf. Space pegs 18 inches on center. Pegs to be one inch (1") square by six inches (6")long pine or six inch (6") lengths
 - of lath or similar approved device. 3. Water sod thoroughly within 45 minutes of laying with water truck, firehouse or similar method to deliver quick
 - application of water.4. Trim all sod edges and planting bed edges by the end of the same day as adjacent sod is laid. Hand water trim pieces as above.
 - 5. Immediately after installation of the sod, remove sod clumps and soil. Keep all areas clean during the maintenance period.Note: The contractor shall be responsible at his expense for providing any necessary water or fertilizer to any non irrigated sodded areas as required to establish turf during establishment
 - period.

2. Repair of Existing Turf

A. All areas within this contract not disturbed by construction or where repair of grade is not required shall be overseeded with a cyclone or equivalent type machine at one half the rate of the specified hydroseed mix.B. Apply full rate of post seeding fertilizer as specified above.

3. Maintenance by the Contractor

- A. Maintenance under this contract shall commence immediately and include the care and periodical mowing as required to keep the site clean and presentable.
- B. The Contractor's maintenance period shall begin upon issuance of the Notice to Proceed and shall not be complete until final acceptance by the Owner or Owner's representative.
 C. The Contractor's maintenance of new turf planting shall consist of watering, weeding, repair of all erosion and resodding as necessary to establish a uniform stand of specified grasses. Contractor shall guarantee growth and coverage of planting under this contract to the effect that all turf areas will be covered with specified planting after sixty (60) days with no bare spots greater than four (4) square feet. Any sod panels that are dead or dying
- shall be replaced.
 D. The Contractor shall not be held responsible for failures due to neglect by the Owner, vandalism, etc., during the Guarantee Period. Report such conditions to the Landscape Architect in writing.
 Final Acceptance (End of Maintenance Period).

4. Final Acceptance (End of Maintenance Period)

Work under this section will be accepted by Landscape Architect upon satisfactory completion of all work, but exclusive of re-application under the Guarantee Period. Final Acceptance of lawn establishment shall be as follows:

- A. Full coverage of all areas hydroseeded with full even coat of hydroseed mulch. Thin areas shall be re-applied.
 B. Schedule overseeding operations with Owner or Landscape Architect for observation of method and confirmation of application and conformity to rates specified.
- 5. Clean Up

Keep all areas of work clean, neat, and orderly at all times. Keep all paved areas clean during lawn installation operations. Clean up and remove all deleterious materials and debris from the entire work area prior to Final Acceptance to the satisfaction of Landscape architect

D

A Seed Delivery - Each variety of seed shall be delivered in separate bags or containers, labeled to indicate pure live seed, name and type of seed. B Fertilizer Delivery - Fertilizer shall be delivered in the manufacturer's unopened containers, labeled to indicate the manufacturer's name and product identification. Containers shall be stored protected from ground contact and from the elements. B GUARANTEE

A. A written guarantee shall be provided guaranteeing to maintain the treated areas in a healthy, vigorous, undamaged condition for a period of 60 days beginning on the date of written acceptance of the work.
 turf.
 b. Contractor shall guarantee a full stand of grass, 95% cover with no bare areas in excess of 6 inches diameter.

C. Guarantee shall provide for timely filling, leveling and repairing eroded areas, reseeding areas exhibiting lack of healthy growth and mowing as necessary to maintain a neat appearance.

PART 2 PRODUCTS

A. Type - Turfgrass seed shall be appropriate to season. The seed shall be harvested within 1 year prior to planting, free of Johnsongrass, field bind weed, dodder seed, and free of other weed seed to the limits allowable under the Federal Seed Act and applicable seed laws. The seed shall be extra fancy grade, treated with fungicide, and shall have a germination and purity that will produce, after allowance for Federal Seed Act tolerances, a pure live seed content of not less than 85 percent, using the formula: purity percent times (germination percent times plus hard or sound seed percent). Seed shall be labeled in accordance with U.S. Department of Agriculture rules and regulations.

B. Amounts: Item Rate Per 1000 Sq. Ft. Seed As per season, see below Fertilizer 12 lbs. Water As needed Real Virgin Wood Minimum 50 lbs. to achieve Fiber Mulch covering of seeded area

C. Spring/Summer Planting (April 15 to Sept. 15)

Hulled Bermuda 2 lbs./1000 Sq. Ft. D. Fall/Winter Planting

(September 15 to April 15) Unhulled Bermuda 1 1/2 lbs./1000 Sq. Ft. KY Fesque 5 lbs./1000 Sq. Ft.

E. Fertilize as per paragraph B. TOPSOIL

A. Topsoil shall be friable clay loam surface soil reasonably free of clay lumps, stones, weeds, roots and other objectionable material, a product of on site operations.

FERTILIZER FOR FERTILIZING

A. (Tank Mix) shall be 13-13-13 grade, pelleted, uniform in composition, free-flowing, and suitable for application with approved equipment. The fertilizer shall be delivered to the site in bags or other convenient containers, each fully labeled, conforming to the applicable state fertilizer laws, and bearing the name or trademark and warranty of the producer.

WOOD CELLULOSE FIBER MULCH

Wood cellulose fiber mulch, for use with the hydraulic application of grass seed and fertilizer, shall consist of specially prepared wood cellulose fiber. It shall be processed in such a manner that it will not contain germination or growth inhibiting factors. It shall be dyed an appropriate color to allow visual metering of its application. The wood cellulose fibers shall have the property of becoming evenly dispersed and suspended when agitated in water. When sprayed uniformly on the surface of the soil, the fibers shall form a blotter-like groundcover which readily absorbs water and allows infiltration to the underlying soil. Weight specifications from suppliers for all applications shall refer only to air dry weight of the fiber, a standard equivalent to 19 percent moisture. The mulch material shall be supplied in packages having a gross weight not in excess of 100 pounds and be marked by the manufacturer to show the dry weight content. Suppliers shall be prepared to certify that laboratory and field testing of their product has been accomplished and that it meets all of the foregoing requirements.

SLURRY MIX COMPONENTS PER ACRE Wood Cellulose Fiber Mulch 2,000 pounds

Grass Seed As Specified Fertilizer (13-13-13) As Specified EXECUTION

INSPECTIONS

A. Surfaces indicated to be seeded shall be inspected to verify that all preparatory work in the area has been completed. Seeding shall not start until all preparatory work has been completed. Requests for inspections shall be made at least two days prior to anticipated date of inspection.

PREPARATION

- A. All areas to receive seed shall be stripped and/or treated with a contact herbicide prior to seeding as necessary to remove weeds, unless otherwise noted on drawings.
- B. Areas to receive seeding shall be loosened by manual or mechanical means to a depth of 1 1/2 inches, leveled and fine graded by hand raking. All stone (1" in diameter and larger in the top 2" of soil) are to be removed, tree stumps, brush, roots, vegetation, rubbish and other foreign matter shall be removed from the site. No foreign matter may be buried on the site. All tree stumps must be removed to a depth of two (2) feet below finish subgrade.

C. Grade site for even and consistent slopes as per Section 02930 - Planting, Paragraph 3.01.

APPLICATION

- A. Special Mulching Equipment and Procedures: Hydraulic equipment used for the application of fertilizer, seed, and slurry of prepared wood fiber mulch shall have a built-in agitation system with an operating capacity sufficient to agitate, suspend, and homogeneously mix a slurry containing up to forty (40) pounds of fiber plus a combined total of seventy (70) pounds of fertilizer solids for each one hundred (100) gallons of water. The slurry distribution lines shall be large enough to prevent stoppage. The discharge line shall be equipped with a set of hydraulic spray nozzles which provide even distribution of the slurry on the slopes to be seeded. The slurry tank shall have a minimum capacity of eight hundred (800) gallons and shall be mounted on a traveling unit which may be either self-propelled or drawn with a separate unit which will place the slurry tank and spray nozzles within sufficient proximity to the areas to be seeded so as to provide uniform distribution without waste. The Owner's Representative may authorize equipment with smaller tank capacity provided that the equipment has the necessary agitation system and sufficient pump capacity to spray the slurry in a uniform coat.
- B. Mixing: Care shall be taken that the slurry preparation takes place on the site of the work. Spraying shall commence immediately when the tank is full.
- C. Operators of hydromulching equipment shall be thoroughly experienced in this type of application. Apply specified slurry mix in a motion to form a uniform mat at specified rate. The operator shall spray the area with a uniform, visible coat by using the green color of the wood pulp as a guide. Keep hydromulch within areas designated and keep from contact with other plant material. Slurry mixture which has not been applied within four (4) hours of mixing shall not be used and shall be removed from the site.
- D. After installation, the Contractor shall not operate any equipment over the covered area. Immediately after application, thoroughly wash off any plant material, planting areas, or paved areas not intended to receive slurry mix. Keep all paved and planting areas clean during maintenance operations.
- E. After a stand of grass has been established and in the fall (September 15 through November 15), wildflower seed shall be broadcast in designated area. Area shall be worked slightly to achieve acceptable seed / soil contact.
- F. Seeded Areas: If, in the opinion of the Landscape Architect, unplanted skips and areas are noted after hydromulching, the Contractor shall be required to seed the planted areas with the grasses that were to have been planted at no additional cost to the Owner.

MAINTENANCE OF HYDROSEEDED AREAS

- A. After installation, hydroseeded areas shall be watered in an amount and as often as necessary to keep seed beds moistened to their full depth for a period of 2 weeks.
- B. After initial 2 weeks of watering, seeded areas shall be watered and maintained to insure a healthy, vigorous growth throughout the installation period and the landscape maintenance period.

MAINTENANCE

A. Seeded areas shall be maintained in good condition throughout the duration of the project and the maintenance period in accordance with the maintenance described in Section 02935.

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QUALITY ASSURANCE

Quality Control

1. Trees, Shrubs, and Groundcovers:

a. Provide plants of quantity, size, genus, species and variety shown and scheduled for planting work and complying with recommendations and requirements of ANSI Z60.1 "American Standard for Nursery Stock." Provide healthy, vigorous stock, grown in recognized nursery in accordance with good horticultural practice and free of disease, insects, eggs, larvae and defects such as knots, sun-scald, injuries, abrasions, or disfigurement.

b. Label each plant with securely attached waterproof tag bearing legible designation of botanical and common name.

Compliance: Ship planting materials with Certificates of Inspection as required by governing authorities. Comply with all applicable local, state, and federal requirements regarding materials, methods of work, and disposal of excess and waste materials.

Substitutions: Do not make substitutions unless approved in writing by Owner's Representative. If specified planting material is not obtainable, submit proof of non-availability to Owner's Representative together with proposal for use of equivalent material. Contractor shall submit proposal in a timely manner as to not impact project completion or installation of other work.

4. Analysis and Standards: All packaged products shall be delivered in original manufacturer's sealed containers. For unpackaged materials, submit analysis by recognized laboratory made in accordance with methods established by the Association of Official Agriculture Chemists, wherever applicable.

Inspection: Notify Owner's Representative at least 2 weeks prior to installation, of location where materials that have been selected for planting may be inspected, either at place of growth or the site prior to planting. Plant material will be inspected for compliance with requirements for genus, species, variety, size and quality. Owner's Representative retains right to further inspect trees for size and conditions of balls and root systems, insects, injuries and latent defects, and to reject unsatisfactory or defective material at any time during progress of work. Contractor shall remove rejected trees immediately from site and replace with specified materials. Plant material not installed in accordance with Contract Documents will be rejected.

SUBMITTALS

A. Work Schedule: Contractor shall submit a work schedule for all planting work prior to purchase and installation of plant material.

B. Certification:

- Submit for Owner's Representative's review and approval the soils analysis of parent soil from a certified testing facility along with soil mix provider's suggested soil mix based on information contained in parent material analysis.
- 2. Submit, for Owner's Representative's review and approval, manufacturer's or vendor's certified analysis of soil amendments. Submit other data substantiating that materials comply with specified and indicated requirements.
- Fertilizer certification shall be submitted for Owner's Representative's review and approval as to the chemical analysis of the fertilizer, a listing of the elements contained therein and their percentages.
 Maintenance Instructions: Submit typewritten instructions, including manufacturer's
- recommendations and instructions recommending procedures to be established by Owner for maintenance of planting work. Submit instructions prior to expiration of Contractor's required maintenance period.

D. Submittals: Submit samples of topsoil, bark mulch and enriched bark mulch, parent soils analysis, soils mix analysis, and photographs of plant material at nursery.

SPECIAL PROJECT WARRANTY

A. Contractor shall furnish written warranty of shrubs, groundcover and turf for acceptance, against defects including death and unsatisfactory growth, except for defects resulting from neglect by Owner or abuse or damage by others. Warrenty shall be for minimum one year from substantial completion. All plant materials and Lawns shall be maintained by contractor for minimum ninety (90) days.

B. Remove and replace shrubs and groundcover found to be dead or in unhealthy condition during warranty period. Replace shrubs and groundcover which are in doubtful condition at end of warranty period. However, if in the opinion of Owner, such doubtful material may survive, Contractor shall extend the warranty period for a full growing season. Owner will determine which items are in doubtful condition.

C. Another inspection may be conducted by Owner, at end of extended warranty period to determine acceptance or rejection.

MAINTENANCE SPECIFICATIONS

Work Included:

- Monitoring, adjustment and repair of sprinkler irrigation.
 Watering of trees installed under this contract in non-irrigated areas.
 Mowing, edging, weeding and trimming of lawn areas.
- Pruning and trimming of trees and shrubs.
 Weeding of mulched areas.
- Application of fertilizers, insecticides, and herbicides.
 General site clean up; removal of trash and products of maintenance

CONTRACTOR RESPONSIBILITIES

A. The Contractor shall begin maintenance immediately upon starting any portion of the Work of this contract.

B. The Contractor's Maintenance Period shall continue 90 days beyond Substantial Completion of all Work in this contract.

C. Irrigation System: The Contractor's maintenance of the irrigation system shall consist of monitoring and adjustment of the duration and frequency of the watering schedule, adjustment of heads for coverage and elevation, repair of leaks in both mains and lateral lines and all other work required to establish a complete working irrigation system.

Trees, Shrubs and Groundcovers: The Contractor's maintenance of new planting shall consist of watering, cultivating, weeding, mulching, re-staking, tightening and repairing of guys, resetting plants to proper grades or upright position, restoration of the planting saucer, and furnishing and applying such sprays and invigorants as are necessary to keep the plantings free of insects and disease and in thriving condition.

E. Lawns: The Contractor's maintenance of new lawns shall consist of mowing, watering, weeding, repair of all erosion and reseeding as necessary to establish a uniform stand of the specified grasses.

PROTECTION

A. Protect planting areas and lawns at all times against damage of all kinds for duration of maintenance period. Maintenance includes temporary protection fences, barriers and signs as required for protection. If any plants become damaged or injured, because sufficient protection was not provided, treat or replace as directed by Owner at no additional cost to Owner.

FINAL ACCEPTANCE

A. Work under this section will be accepted by Owner's Representative upon satisfactory completion of all work, including maintenance, but exclusive of the required guaranteed irrigation obligations, replacement of plant maintenance of the Work.

BURDITT Land Place 310 Longmire Road Conroe, TX 77304 Tel: 936.756.3041

THIS PROJECT & THE IDEAS HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF THE ARCHITECT & IS NOT TO BE USED IN WHOLE OR IN PART, WHITHOUT THE AUTHORIZATION OF BURDITT CONSULTANTS, LLC.

ISSUANCE:

100% - FOR BID ONLY 10/17/2023





DESIGNER | RP, DC DRAWER | RP CHECKER | CTW, DC



IF THIS LINE DOES NOT MEASURE ONE INCH THIS DRAWING IS NOT TO SCALE AND SHOULD NOT BE SCALED FOR DIMENSIONAL INFORMATION.

LANDSCAPE SPECIFICATIONS

