PLANT SCHEDULE

TREES	QTY	COMMON / BOTANICAL NAME	SIZE
HACK	2	Common Hackberry / Celtis occidentalis	2.5"Cal.
GL	1	Greenspire Littleleaf Linden / Tilia cordata 'Greenspire'	2.5"Cal.
SAW	3	Sawtooth Oak / Quercus acutissima	2.5"Cal.
SVRM	4	Sun Valley Red Maple / Acer rubrum 'Sun Valley'	2.5"Cal
SWO	4	Swamp White Oak / Quercus bicolor	2.5"Cal.
RSM	1	'Red Sunset' Maple / Acer rubrum 'Franksred'	2.5"Cal

EVERGREEN TREES	QTY	COMMON / BOTANICAL NAME	SIZE
FAS	10	Fat Albert Spruce / Picea pungens 'Fat Albert'	6'-7'
GGA	27	Green Giant Arborvitae / Thuja plicata 'Green Giant'	6'-7'
NS	21	Norway Spruce / Picea abies	6'-7'

FLOWERING TREES	QTY	COMMON / BOTANICAL NAME	SIZE
CRCC	2	Canada Red Chokecherry / Prunus virginiana 'Canada Red'	2.5"Cal.
JTL	4	Ivory Silk Japanese Tree Lilac / Syringa reticulata 'Ivory Silk'	2"Cal.
MRB	5	Merlot Redbud / Cercis x 'Merlot'	2"Cal.

SHRUBS	QTY	COMMON / BOTANICAL NAME	SIZE
ALV	28	Alleghany Leatherleaf Viburnum / Viburnum rhytidophyllum 'Alleghany'	4'-5'
DBB	6	Compact Burning Bush / Euonymus alatus 'Compactus'	18"-24"
CN	17	Coppertina Ninebark / Physocarpus opulifolius 'Coppertina'	5 gal
DJY	17	Dense Japanese Yew / Taxus cuspidata 'Densiformis'	18"-24"
GGEM	22	Green Gem Boxwood / Buxus x 'Green Gem'	18"-24"
HY	30	Hicks Yew / Taxus media 'Hicksii'	18"-24"
SGJ	93	Sea Green Juniper / Juniperus chinensis 'Sea Green'	18"-24"
SBWE	5	Sonic Bloom Weigela / Weigela florida 'Sonic Bloom'	5 gal

FORBS	QTY	COMMON / BOTANICAL NAME	SIZE
GAX	38	Golden Alexander / Zizia aurea	2 Qt. @ 18" OC
ROSEM	18	Rose Mallow / Hibiscus laevis	1 Gal @ 30" OC
RTH	73	Rose Turtle-Head / Chelone obliqua	2 Qt. @ 24" OC
SMW	49	Swamp Milkweed / Asclepias incarnata	2 Qt. @ 24" OC

ROSES	QTY	COMMON / BOTANICAL NAME	SIZE
OSODR	40	OSO Easy Double Rose / Rosa x 'OSO Easy Double Rose'	5 Gal.

NATIVE GRASSES	QTY	COMMON / BOTANICAL NAME	SIZE
	50	Brown Fox Sedge / Carex vulpinoidea	Plug at 18" OC
	101	Great Green Bulrush / Scirpus atrovirens	Plug at 18" OC
	56	Morning Star Sedge / Carex grayi	Plug at 18" OC

LANDSCAPE GUIDELINE SPECS:

GENERAL:

1.) All natural vegetation shall be maintained where it does not interfere with construction or the permanent plan of operation. Every effort possible shall be made to protect existing structures or vegetation from damage due to equipment usage. Contractor shall at all times protect all materials and work against injury to public.
2.) The landscape contractor shall be responsible for any coordination and sequencing with other site related work being performed by other contractors. Refer to additional drawings for further coordination of work to be done.
3.) Underground facilities, structures and utilities must be considered approximate only. There may be others not presently known or shown. It shall be the landscape contractor's responsibility to determine or verify the existence of and exact location of the above (Call 1-800-DIG-RITE in Missouri).
4.) Plant material are to be planted in the same relationship to grade as was grown in nursery conditions. All planting beds shall be cultivated to 6" depth minimum and graded smooth immediately before planting of plants. Plant groundcover to within 12" of trunk of trees or shrubs planted within the area.
5.) It shall be the landscape contractor's responsibility to:
   A.) Verify all existing and proposed features shown on the drawings prior to commencement of work.
   B.) Report all discrepancies found with regard to existing conditions or proposed design to the landscape architect immediately for a decision.
   C.) Stake the locations of all proposed plant material and obtain the approval of the owner's representative or landscape architect ten (10) days prior to installation.
6.) Items shown on this drawing take precedence over the material list. It shall be the landscape contractor's responsibility to verify all quantities and conditions prior to implementation of this plan. No substitutions of types or size of plant materials will be accepted without written approval from the landscape architect.
7.) Provide single-stem trees unless otherwise noted in plant schedule.
8.) All plant material shall comply with the recommendations and requirements of ANSI Z60.1 "American Standards for Nursery Stock".
9.) It shall be the contractor's responsibility to provide for inspection of the plant material by the Landscape Architect (or Owners' Representative) prior to acceptance. Inspections may take place before, during or after installation. Plants not conforming exactly to the plant list will not be accepted and shall be replaced at the landscape contractor's expense.
10.) All bids are to have unit prices listed. The Owner has the option to delete any portion of the contract prior to signing the contract or beginning work. This will be a unit price contract; quotes shall be valid for 12 months.
11.) Should auger equipment be utilized in excavating any plant pits, vertical sides of plant pits shall be thoroughly scarified to avoid creation of "polished side walls" prior to plant material installation.
12.) All excess topsoil, rocks, debris and/or tainted soils shall be removed by the general contractor prior to point project is turned over to the landscape contractor to commence landscape installation.
13.) Keep all plant material (except turf) a minimum of 36" clear of fire hydrants.
14.) Landscape contractor shall kill & remove all existing weeds within the project site.
15.) All tags, nursery stakes, labels, etc. shall be removed by the landscape contractor at completion of all landscape installation.
16.) Landscape contractor shall be in compliance with all federal, state and local laws / regulations relating to insect infestation and/or plant diseases.

PRUNING:

1.) Lightly prune trees at time of planting. Prune only the crossover limbs, intermingled leaders and/or any broken branches. Some interior twigs and lateral branches may be pruned. However, do not remove the terminal buds of branches that extend to the edge of the crown.
2.) All pruning shall comply with ANSI A300 standards.

INSURANCE:

1.) The landscape contractor shall submit certificates of insurance for workman's compensation and general liability.

MULCH:

1.) All mulch in planting beds to be shredded oak bark mulch at 3" depth (after compaction) unless otherwise noted. Mulch shall be clean and free of all foreign materials, including weeds, mold, deleterious materials, etc.
2.) Mexican Pebbles shall be installed where indicted on plan. Mirafi fabric shall be used beneath all gravel mulch beds.
3.) Edge all beds with spade-cut edge unless otherwise noted.

MAINTENANCE:

1.) Landscape Contractor shall provide a separate proposal to maintain all plants, shrubs, groundcover, perennials and annuals for a period of 12 months after acceptance.
2.) Contractor shall ensure that only competent and trained personnel shall provide such services and that such services be provided in a timely manner.

TOPSOIL:

1.) Topsoil mix for all proposed landscape plantings shall be five (5) parts well-drained screened organic topsoil to one (1) part Canadian sphagnum peat moss as per planting details. Roto-till topsoil mix to a depth of 6" minimum and grade smooth.
2.) Provide a soil analysis, as requested, made by an independent soil-testing agency outlining the % of organic matter, inorganic matter, deleterious material, pH and mineral content.
3.) Any foreign topsoil used shall be free of roots, stumps, weeds, brush, stones (larger than 1"), litter or any other extraneous or toxic material. Landscape contractor shall be fully responsible for correcting all negative soil issues prior to plant installation. Killing and removal of all weeds shall be the responsibility of the landscape contractor as part of this task.
4.) Landscape contractor to apply pre-emergent herbicide to all planting beds upon completion of planting operations and before application of shredded bark mulch.
5.) Install siltation controls prior to commencement of any grading operations. Inspect and maintain all siltation fences on a weekly basis until vegetation is established.

MISC. MATERIAL:

1.) Provide stakes and deadmen of sound, new hardwood, free of knotholes and defects.
2.) Tree wrap tape shall be 4" minimum, designed to prevent borer damage and winter freezing. Additionally, only 3-ply tying material shall be used.

TURF:

1.) All disturbed lawn areas to be seeded with a mixture of Turf-Type fescue (300# per acre) and bluegrass (18# per acre). Lawn areas shall be unconditionally warranted for a period of 90 days from date of final acceptance. Bare areas more than one square foot per any 50 square feet shall be replaced.
The turf contractor shall be responsible for protection of finished grade; restore and repair any erosion or water damage and obtain owners' approval prior to seeding or sod installation.
3.) Landscape contractor shall offer an alternate price for sod in lieu of seed. Sod shall be cut at a uniform thickness of 3/4". No broken pieces, irregular pieces or torn pieces will be accepted.
4.) Any points carrying concentrated water loads and all slopes of 15% or greater shall be sodded.
5.) All sod shall be placed a maximum of 24 hours after harvesting.
6.) Recondition existing lawn areas damaged by Contractor's operations including equipment/material storage and movement of vehicles.
7.) Sod Contractor to ensure sod is placed below sidewalk and all paved area elevations to allow for proper drainage.

WARRANTY:

1.) All plant material (excluding ground cover, perennials and annuals) are to be warranted for a period of 12 months after complete installation of all landscape material at 100% of the installed price.
2.) Any plant material found to be defective shall be removed and replaced within 30 days of notification or in growth season determined to be best for that plant.
3.) Only one replacement per tree or shrub shall be required at the end of the warranty period, unless loss is due to failure to comply with warranty.
4.) Lawn establishment period will be in effect once the lawn has been mowed three times. Plant establishment period shall commence on the date of acceptance and 100% completion.
5.) A written guarantee shall be provided to the owner per conditions outlined in #1 above.

LANDSCAPE REQUIREMENTS:

1.) ONE (1) STREET TREE PER 30' OF FRONTAGE
- 320.08 LF FRONTAGE ALONG GRAESER ROAD; THEREFORE, ELEVEN (11) TREES REQUIRED. EIGHT TREES ARE EXISTING/RETAINED, THREE (3) NEW ARE PROPOSED.
- 489.76 LF FRONTAGE ALONG OLIVE BLVD.; THEREFORE, SEVENTEEN (17) TREES ARE REQUIRED AND PROVIDED.

* DISTANCES ABOVE DEDUCT ENTRANCE OPENINGS

2.) OPAQUE SCREEN REQUIRED WHERE RESIDENTIAL ABUTS COMMERCIAL PROPERTIES, MINIMUM 4' HEIGHT

LOT AREA = 192,916 Sq. Ft. / 4.43 Ac.
BUILDING FOOTPRINTS = 20,023 Sq. Ft. Total
QT= 4,993 Sq. Ft. / Exist. Bldg.= 15,030 Sq. Ft.
IMPERVIOUS SURFACE = 85,157 Sq. Ft. or 44% including parking area of 26,705 Sq. Ft.
PERVIOUS PAVING SURFACE: 350 Sq. Ft.
GREENSPACE = 87,386 Sq. Ft. or 45%
SQ. FT. OF PARKING = 26,705 Sq. Ft.
SQ. FT. INTERIOR LANDSCAPING = 3,570 Sq. Ft.

IN-GROUND, AUTOMATIC IRRIGATION SYSTEM IS REQUIRED AND WILL BE PROVIDED AS A CONDITION OF DEVELOPMENT (By Others)

IRRIGATION GUIDELINE SPECS:

GENERAL:

1.) System shall be designed for 30 gpm @ 80 PSI. Contractor to field verify actual conditions.
2.) Exact tap, backflow and controller location to be coordinated with owner or owner's representative.
3.) All control wiring to be 14 ga. Minimum 3 extra strands to be installed in each direction from the controller to the end of the mainline.
4.) All piping to be sleeved in SCH40 PVC when passing under hardscape. PVC Sleeve to be a minimum of twice the size of pipe(s) running through.
5.) Underground facilities, structures and utilities must be considered approximate only. There may be others not presently known or shown. It shall be the irrigation contractor's responsibility to determine or verify the existence of and exact location of the above (Call 1-800-DIG-RITE).
6.) It shall be the irrigation contractor's responsibility to:
   A.) Verify all existing and proposed features shown on the drawings prior to commencement of work.
   B.) Report all discrepancies found with regard to existing conditions or proposed design to the landscape architect immediately for a decision.

REVISIONS	BY
1-15-2020	RWM

Landscape TECHNOLOGIES
67 Jacobs Creek Drive (636) 928-1250
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MO Landscape Architectural Corporation #2008008782

RANDALL W. MARDIS
MISSOURI LANDSCAPE ARCHITECT #000019
DATE: 1-15-2020
STATE OF MISSOURI · RANDALL W. MARDIS · NUMBER 019 · REGISTERED LANDSCAPE ARCHITECT

PLANTING PLAN FOR THE PROPOSED
QuikTrip #613
CREVE COEUR, MISSOURI

DRAWN R. MARDIS
CHECKED RWM/EL
DATE 12-4-19
SCALE N.A.
JOB No. 2019-174
SHEET
L-2
OF THREE SHEETS