

698 (100%)

Proposed Tree Calculations Existing to Remain 242 (35%)

Deciduous Trees (18 @ 2.5*) 45 (6%) Evergreen Trees (0 @ 2.5*) 0 (0%) Ornamental Trees (0 @ 1.5*) 0 (0%)

TOTAL PRESERVED/MITIGATED 287 cal. in. (41% of total existing caliper inches)

TOTAL

Tree Preservation Required: 30% of significant trees preserved (up to 90% of sig. trees mitigated) for multi-family and nonresidential uses*

Total Existing: 698 cal. in. @30% = 209 cal. in.

Existing to be preserved Proposed trees
Total preserved/mitigated 45 cal. in. (6%) 287 cal. in. (41.0%)

NOTES:

CONSTRUCTION FENCE SHALL BE INSTALLED PRIOR TO CONSTRUCTION OPERATIONS

LEGEND:

.

NOTE:

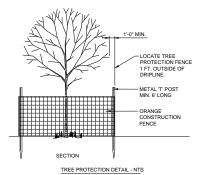
EXISTING TREE TO REMAIN

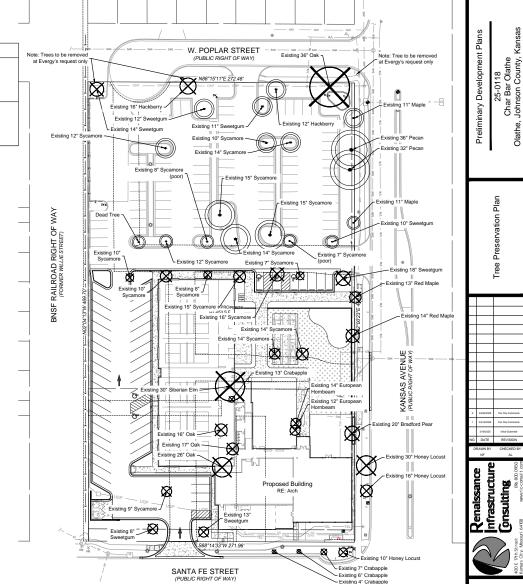
EXISTING TREE TO BE REMOVED

All trees within limits of construction to be protected.

Contractor is responsible for the protection of all trees designated to be preserved on site until construction is

- 2. CONTRACTOR SHALL BE RESPONSIBLE FOR FENCE MAINTENANCE. REPAIR AND/OR REPLACE ALL SECTIONS DAMAGED DURING CONSTRUCTION OPERATIONS
- 3. CONTRACTOR SHALL BE RESPONSIBLE FOR HEALTH OF PROTECTED TREES THROUGHOUT THE CONSTRUCTION PERIOD. TREES SHOWING SIGNS OF STRESS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNERS REPRESENTATIVE IMMEDIATELY. ALL TREES THAT DIE DUE TO CONSTRUCTION OPERATIONS SHALL BE REPLACED AT THE CONTRACTORS EXPENSE. THE REPLACEMENT TREE SHALL BE OF COMPARABLE SIZE & SPECIES BASED ON NURSERY AVAILABILITY. CONTRACTOR SHALL SUBMIT REPLACEMENT TREES TO OWNERS REPRESENTATIVE FOR FINAL ACCEPTANCE PRIOR TO INSTALLATION.





Sheet

OLATHE LANDSCAPE CALCULATIONS

Street Trees (Per UDO 18.30.130.G)

Provided:

W Santa Fe Street: 272 | F = 6 trees W. Poplar Street: 186 LF = 4 trees*

I trees along W. Poplar Street existing to remail Screening (Per UDO 18.30.130.I)

Required: All exterior-mounted equipment and trash screened from public view Provided: As required

Buffer (Per UDO 18.30.130.J)

*No buffer required in Downtown district per UDO.

Parking & Vehicular Use Areas; Perimeter (Per UDO 18.30.130.M.2) Required: cont. shrub hedge min. 3' ht. adj. to ROW Provided: cont. shrub hedge

Parking & Vehicular Use Areas; Interior (Per UDO 18.30.130.M.3)

Required: 1 island / 20 parking spaces: 1 shade tree / island: landscape aisles & strips min. 10' width (20' width with pedestrian walkway); 1 tree / 30' landscape

Provided: 48 new parking spaces = 3 parking lot trees

Building Facade/Foundation Landscaping (Per UDO 18.30.130.0) Applicability: Nonresidential developments. Does not apply to building facades abutting a sidewalk or the rear yard. Building facades adjacent to public ROW or a

parking lot. Required: Landscape area equivalent to 25% building facade with 75% plant coverage; shrubs must be 3' ht.; deciduous & ornamental trees incorporated where appropriate. Planting areas must have a minimum width of either six (6) feet or the equivalent of twenty (20) percent of the building façade height as measured from the ground elevation to the top of the wall or parapet, whichever is greater.

Tree Preservation: Refer to Sheet L02 for tree preservation calculations.

GENERAL LANDSCAPE REQUIREMENTS

- TREES MUST NOT BE PLACED WITHIN UTILITY EASEMENTS, BUT WITHIN ADJACENT AREAS THAT DO NOT CONFLICT WITH SUCH PUBLIC EASEMENTS AND MEET SITE LANDSCAPING REQUIREMENTS.
- THE DEVELOPER, ITS SUCCESSOR, AND/OR SUBSEQUENT OWNERS AND THEIR AGENTS WILL MAINTAIN LANDSCAPING ON THE PROPERTY ON A CONTINUING BASIS FOR THE LIFE OF THE DEVELOPMENT.
- PLANT MATERIALS WHICH EXHIBIT EVIDENCE OF INSECT PESTS, DISEASE, AND/OR DAMAGE MUST BE APPROPRIATELY TREATED. DEAD PLANTS MUST BE PROMPTLY
- ALL LANDSCAPING IS SUBJECT TO PERIODIC INSPECTION BY THE PLANNING OFFICIAL OR DESIGNEE.
- THE PROPERTY OWNER WILL MAINTAIN LANDSCAPE AREAS IN GOOD CONDITION AND IN A WAY THAT PRESENTS A HEALTHY, NEAT, AND ORDERLY APPEARANCE. THIS MAINTENANCE MUST INCLUDE WEEDING, WATERING, FERTILIZING, PRUNING, MOWING, EDGING, MULCHING, OR OTHER MAINTENANCE IN ACCORDANCE WITH ACCEPTABLE HORTICULTURAL PRACTICES.
- THE CITY MAY CAUSE REMOVAL OF ANY DEAD OR DISEASED TREES, PLANTS, AND SHRUBS ON PRIVATE PROPERTY WITHIN THE CITY, WHEN THOSE TREES, PLANTS. AND SHRUBS CONSTITUTE A HAZARD TO LIFE AND/OR PROPERTY OR HARBOR INSECTS OR DISEASE WHICH CONSTITUTES A POTENTIAL THREAT TO OTHER TREES PLANTS, OR SHRUBS WITHIN THE CITY
- NO TREE SHRUR OR WOODY VEGETATION WILL BE PLANTED WITHIN A DISTANCE OF 10 FEET FROM ANY FIRE HYDRANT OR FIRE DEPARTMENT CONNECTION (FDC) TO THE SPRINKLER SYSTEM.
- NO TREES MAY BE PLANTED WITHIN 15 FEET OF A STREET LIGHT
- ALL EXTERIOR-MOUNTED AND ALL ROOFTOP BUILDING HVAC AND MECHANICAL EQUIPMENT, VENTS, PIPING, ROOF ACCESS LADDERS, AND UTILITY METERS MUST BE LOCATED OUT OF VIEW OR OTHERWISE SCREENED FROM PUBLIC VIEW FROM ALL ADJACENT STREETS. SCREENING MUST BE ACCOMPLISHED WITH LANDSCAPING, SCREEN WALLS, BUILDING ELEMENTS, OR A COMBINATION OF THESE METHODS.
- 10. EXTERIOR GROUND-MOUNTED OR BUILDING-MOUNTED EQUIPMENT INCLUDING, BUT NOT LIMITED TO, MECHANICAL EQUIPMENT, UTILITIES' METER BANKS AND COOLERS MUST BE SCREENED FROM PUBLIC VIEW WITH THREE SIDED LANDSCAPING OR WITH AN ARCHITECTURAL TREATMENT COMPATIBLE WITH THE BUILDING ARCHITECTURE.
- 11 ALL NEW ON SITE WIRING AND CARLES MUST BE PLACED LINDERGROUND.
- 12. ANY LANDSCAPE MATERIAL TO BE USED FOR SCREENING MUST BE AT LEAST THE HEIGHT OF THE MATERIAL THAT IT IS INTENDED TO SCREEN.

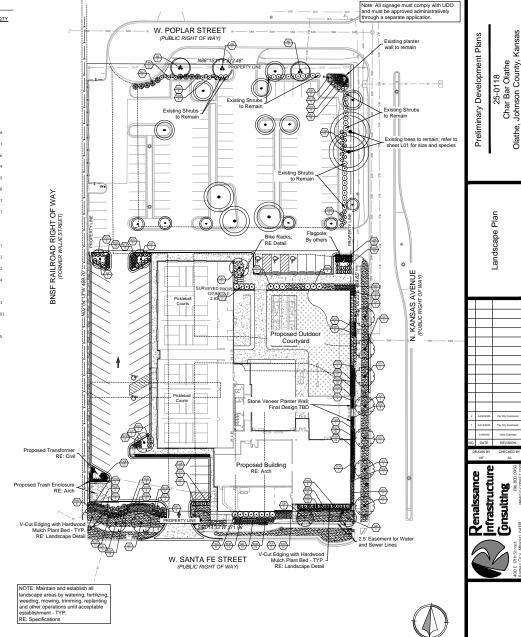
FLANT SCHEDOLE					
SYMBOL	CODE	BOTANICAL / COMMON NAME	SIZE	CONTAINER	QT
TREES					
	AB	Acer saccharum `Bailsta` /Fall Fiesta® Sugar Maple	2.5" Cal.	B&B	3
(\div)	GB	Ginkgo billoba ' Princeton Sentry' / Princeton Sentry Ginkgo	2" Cal.	B&B	2
(·)	GT	Gleditsia triacanthos inermis `Skyline' / Skyline Honey Locust	2.5° Cal.	B&B	7
\odot	UP	Ulmus parvifolia 'Allee' / Allee® Lacebark Elm	2" Cal.	B&B	8
SHRUBS					
\odot	BSI	Buxus sinica insularis 'Wintergreen' / Wintergreen Korean Boxwood	3 gal.		26
\odot	SS	Existing Shrub to Remain			31
**	SGJ	Juniperus chinensis 'Sea Green' / Sea Green Juniper	5 gal.		16
- (€):	TER	Juniperus virginiana "Taylor" / Taylor Eastern Redcedar	5' - 6' ht min.		39
Ã	GOC	Juniperus virginiana 'Grey Owl' / Grey Owl Eastern Redcedar	5 gal.		45
Õ	RAG	Rhus aromatica 'Gro-Low' / Gro-Low Fragrant Sumac	5 gal.		18
$\tilde{\odot}$	STO	Spiraea thunbergii 'Ogon' / Mellow Yellow™ Spirea	5 Gal.		47
Ŏ	TXM	Taxus x media `Densiformis` / Dense Yew	5 Gal.		27
	TOC	Thuja occidentalis 'Congabe' /Fire Chief™ Arborv(tae	3 gal.		8
GRASSES					
<u> </u>	BCB	Bouteloua gracilis 'Blonde Ambition' / Blonde Ambition Blue Grama	3 gal.		87
₩.	CAK	Calamagnostis x acutiflora 'Karl Foerster' / Karl Foerster Feather Reed Grass	3 gal.		73
0	NSO	Chasmanthium latifolium / Northern Sea Oats	3 gal.		62
Ō	PVN	Panicum virgatum 'Northwind' / Northwind Switch Grass	3 gal.		14
PERENNIA	ALS				
(+)	DDX	Dianthus x 'Devon Xera' / Fire Star Dianthus	1 gal.		43
$\tilde{\odot}$	NXF	Nepeta x faassenii / Catmint	3 gal.		103
*	PDP	Penstemon digitalis 'Pocahontas' / Pocahontas Beardtongue	1 gal.		8
Ö	RH	Rudbeckia hirta / Black-eyed Susan	1 gal.		15
SYMBOL	CODE	BOTANICAL / COMMON NAME	SIZE	CONTAINER	
GROUND	COVERS				
	AM3	Aggregate Mulch; RE: Notes / Specs	MULCH		
	TF	Turfgrass Sod Fescue Mix; RE: Notes / Fescue Sod	SOD		

NOTE: Quantities shown are for reference only. Contractor shall verify all plant and turf quantities prior to bidding.

LANDSCAPE NOTES

PLANT SCHEDULE

- LOCATE UTILITIES PRIOR TO COMMENCING LANDSCAPE OPERATIONS. ALL TREES SHALL BE FIELD POSITIONED AS TO AVOID CONFLICTS WITH EXISTING AND PROPOSED UTILITIES. NOTIFY LANDSCAPE ARCHITECT OF ANY CONFLICTS OR OBSTRUCTIONS.
- CONTRACTOR SHALL STAKE ALL PLANTING AREAS IN THE FIELD PRIOR TO PLANTING FOR APPROVAL OF THE OWNER OR THEIR
- QUANTITIES SHOWN ARE FOR REFERENCE ONLY. CONTRACTOR SHALL VERFY ALL PLANT QUANTITIES PRIOR TO BIDDING AND SHALL BE RESPONSIBLE FOR ALL QUANTITIES FOR THEIR BID. ANY DISCREPANCIES WITH THE PLAN SHALL BE BROUGHT TO THE ATTENTION OF THE LAMDSCAPE ARCHITECT. THE PLAN QUANTITIES SHALL SUPERCECE SCHEDULED QUANTITIES.
- PLANT SYMBOLS ON LIANDSCAPE PLAN ARE SHOWN AT FULL MATURE SIZE. ACTUAL PLANT SIZES AT INSTALLATION MAY BE SMALLER AND SHALL BE THE MINIMUM PLANTING SIZE SPECIFIED IN PLANT SCHEDULE.
- ALL PLANT MATERIAL SHALL BE SPECIMEN QUALITY AND SHALL COMPLY WITH RECOMMENDATIONS AND REQUIREMENTS OF ANSI Z60.1 THE 'AMERICAN STANDARD FOR NURSERY STOCK'.
- ALL PLANTING BEDS & NATIVE GRASS STANDS SHALL BE EDGED AS SHOWN IN PLAN.
- PREPARE PLANTING BEDS AND INCORPORATE AMENDMENTS ACCORDING TO PLANS.
- SHREDDED HARDWOOD MULCH, PER SPECIFICATIONS SHALL BE USED AS A THREE INCH (3°) TOP DRESSING IN ALL PLANTING BEDS AND AROUND ALL TREES. SINGLE TREES AND SHRUBS SHALL BE MULCHED TO THE OUTSIDE EDGE OF THE SAUCER OR
- 9. ALL TREES SHALL BE STAKED PER DETAIL.
- 10. ALL PLANT MATERIAL SHALL BE INSTALLED TO ALLOW A ONE FOOT (11) CLEARANCE BETWEEN PLANT AND ADJACENT PAVEMENT.
- THE LANDSCAPE CONTRACTOR SHALL NOT COMMENCE WORK UNTIL THE SITE IS FREE OF DEBRIS CAUSED BY ON-GOING CONSTRUCTION OPERATIONS. REMOVAL OF DEBRIS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. LANDSCAPE WORK SHALL NOT BEGIN UNTIL THE LANDSCAPE ARCHITECT AND OWNER HAVE GIVEN WRITTEN APPROVAL FOR SUCH. THERE SHALL BE NO DELAYS DUE TO LACK OF COORDINATION FOR THIS ACTIVITY.
- 12. THE LANDSCAPE ARCHITECT AND OWNER SHALL APPROVE GRADES AND CONDITION OF SITE PRIOR TO SODDING/SEEDING
- ALL AREAS DISTURBED DURING CONSTRUCTION AND NOT DESIGNATED FOR OTHER PLANTINGS OR HARDSCAPE SHALL BE SODDED WITH TURF TYPE FESCUE.
- 14. ALL LANDSCAPE AREAS SHALL BE IRRIGATED. TURF AREAS SHALL BE IRRIGATED BY SPRAY OR ROTOR. PLANT BEDS SHALL BE ALL DATUSCAPE AREAS SMALL BE INROGATED. TORS AREAS SMALL BE INROGATED BY SPEAT OR NOTOR. PLANT BEDS SMA INRIGATED BY DRIP IRRIGATION, IRRIGATION SYSTEM SMALL INCLUDE ALTOMATIC RAIN SENSOR DEVICE. IRRIGATION SHI DRAWINGS SHALL BE PROVIDED BY THE CONTRACTOR FOR APPROVAL PRIOR TO CONSTRUCTION.
- 15. ALL DECORATIVE GRAVEL SHALL BE INSTALLED OVER GEOTEXTILE FABRIC (MIRAFI 140N OR APPROVED EQUAL).



Sheet L02



Details -andscape

astructure Renaissanc Infrastructu Gonsulting

Sheet

35 Collection

Refer to install guide for spacing guidelines
 Meets APBP guidelines.

I metal in ITISTNES

Mi metal is finished with Pangard IIP, offered exclusively by
andscape Forms, a 19-step program of cleaning, priming, and
owater coeffing that resists russing, chipping, peeling and facin
a produce the finest metal finish available for size functions.

In addition, Pangard II^o contains no heavy metals and is free of Hazardous Air Pollutants.

Recycled Content

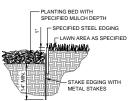
Revised January 07, 2025 | Landscape Forms Inc. | 900,521,2546 | F269,381,3455 | 7800 E. Michigan Ave., Kalamazoo, NI 49048

- BUILDING: RE: ARCHITECTURE PLANS 6" MIN DEPTH, WASHED RIVER ROCK, NOMINAL SIZE 1"-3". CONTRACTOR SHALL SUBMIT SAMPLE FOR APPROVAL. TURFGRASS AS SPECIFIED GEOTEXTILE FABRIC AS SECTION EDGES UP AT CORNERS

NOTES

- SET ALL EDGING 1" ABOVE FINISH GRADE AS SHOWN.
- EDGING SHALL ABUT ALL CONCRETE CURBS AND WALKS PERPENDICULAR AND FLUSH WITH TOP OF CONCRETE
- ALL JOINTS SHALL BE SECURELY STAKED
- CONTRACTOR SHALL CUT TOP EDGES AS NEEDED TO BE PARALLEL WITH GRADE.
- ALL GRAVEL SHALL BE INSTALLED OVER A GEOTEXTILE FABRIC (MIRAFI 140N OR APPROVED EQUAL). GRAVEL SHALL BE APPROVED BY OWNER PRIOR TO
- INSTALLATION. FILTER FABRIC SHALL NOT BE VISIBLE AFTER GRAVEL INSTALLATION.

MOW EDGE DETAIL - NTS



NOTES: EDGING PER SPECIFICATIONS. SET ALL EDGING 1" ABOVE

- FINISH GRADE (TURF) SURFACE AS SHOWN. EDGING SHALL ABUT ALL CONCRETE CURBS AND WALKS
- PERPENDICULAR AND FLUSH WITH TOP OF CONCRETE. ALL JOINTS SHALL BE SECURELY STAKED.
- FINISH SHALL BE POWDER COAT; COLOR: GREEN CONTRACTOR SHALL SUBMIT COLOR SAMPLE TO OWNERS REPRESENTATIVE PRIOR TO PURCHASE.
- CONTRACTOR SHALL LOCATE AND MARK ALL PLANT BED LOCATIONS PRIOR TO INSTALLATION OF STEEL FOR FINAL APPROVAL BY OWNER OR LANDSCAPE ARCHITECT.

STEEL EDGING DETAIL - NTS

TREES THAT DO NOT MEET THE SIZE REQUIREMENT WILL BE REJECTED TREES SHALL BE INSPECTED BY OWNERS REPRESENTATIVE PRIOR TO INSTALLATION.

CONTRACTOR SHALL LOCATE AND MARK ALL PLANTBED LOCATIONS PRIOR TO EXCAVATING FOR FINAL APPROVAL B OWNER OR LANDSCAPE ARCHITECT.
TRANSITION TO MULCH CONTAINMENT DETAIL AT ALL

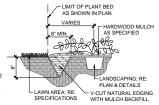
Free Standing

Small Box

UTILITY BOXES SHALL BE CLUSTERED AS MUCH AS POSSIBLE TYPICAL UTILITY BOX SCREENING DETAILS - NTS

Clustered Boxes

- LOCATIONS ADJACENT TO CURBS & SIDEWALKS. RE: DETAIL
- CONTRACTOR TO VERIFY ALL UTILITY LOCATIONS PRIOR TO TRENCHING OR LANDSCAPE INSTALLATION.

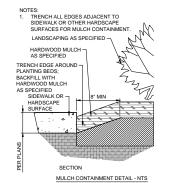


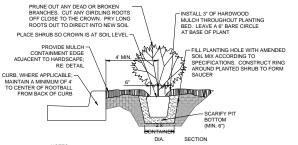
V-CUT NATURAL EDGE DETAIL - NTS

PLANTING POCKET - LANDSCAPING; RE: PLAN

3" HARDWOOD MULCH - AMENDED PLANTING SOIL MIX ACCORDING

CONTAINER PLANTING DETAIL - NTS

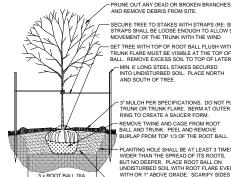




NOTES:

- REFER TO SPECIFICATIONS FOR TOPSOIL BACKFILL MIX.
- CONTRACTOR TO WATER THOROUGHLY AFTER PLANTING INSTALLATION TO BE IN ACCORDANCE WITH PLANTING SPECIFICATIONS
- WHERE ADJACENT TO CURB, MAINTAIN THE MINIMUM OFFSET SHOWN. FOR SHRUBS LARGER THAN 4' MATURE DIAMETER, PROVIDE A GREATER OFFSET EQUAL TO 1/2 OF THE

SHRUB PLANTING DETAIL - NTS



SECTION

AND REMOVE DEBRIS FROM SITE. SECURE TREE TO STAKES WITH STRAPS (RE: SPECS).

STRAPS SHALL BE LOOSE ENOUGH TO ALLOW SOME MOVEMENT OF THE TRUNK WITH THE WIND SET TREE WITH TOP OF ROOT BALL FLUSH WITH GRADE. TRUNK FLARE MUST BE VISIBLE AT THE TOP OF ROOT BALL. REMOVE EXCESS SOIL TO TOP OF LATERAL ROOTS.

MIN. 6' LONG STEEL STAKES SECURED INTO UNDISTURBED SOIL. PLACE NORTH AND SOUTH OF TREE

3" MULCH PER SPECIFICATIONS. DO NOT PLACE ON TRUNK OR TRUNK FLARE. BERM AT OUTER EDGES OF RING TO CREATE A SALICER FORM

REMOVE TWINE AND CAGE FROM ROOT BALL AND TRUNK. PEEL AND REMOVE BURLAP FROM TOP 1/3 OF THE ROOT BALL

PLANTING HOLE SHALL BE AT LEAST 3 TIMES WIDER THAN THE SPREAD OF ITS ROOTS, BUT NO DEEPER PLACE ROOT BALL ON UNDISTURBED SOIL WITH ROOT FLARE EVEN WITH OR 1" ABOVE GRADE. SCARIFY SIDES AND BOTTOM OF PIT. AMEND SOIL ACCORDING TO SPECIFICATIONS.

DECIDUOUS TREE PLANTING DETAIL - NTS