

SYMBOL	CODE	BOTANICAL NAME	COMMON NAME	CONT.	MIN. SIZE	QTY
TREES						
	AC	Abies concolor	White Fir	Cont. or B&B	6'-6" HT	7
	AR	Acer rubrum 'Red Sunset' Parking Lot Tree	Red Sunset Maple	Cont. or B&B	4' cal. min.	4
	CF	Cercis canadensis 'Forest Pansy'	Forest Pansy Eastern Redbud	Cont. or B&B	1' Cal. min.	1
	GT	Gleditsia triacanthos inermis 'Skyline'™ Parking lot tree	Skyline Thornless Honey Locust	Cont. or B&B	2.5" Cal.min.	3
SHRUBS / PERENNIAL						
	AL	Aronia melanocarpa 'UNCOMMON165'	Low Scape Mound® Black Chokeberry	Cont.	24" Spd.	29
	CA	Gletbra albiloba 'Hummingbird'	Summer Sweet	Cont.	24" ht.	51
	IG	Ilex glabra 'Shamrock'	Inkberry	Cont.	24" ht.	34
	IM	Ite palmis	Dwarf Iris	Cont.	1 gal., full	26
	JC	Juniperus chinensis 'Armstrong'	Armstrong Juniper	Cont.	36" Ht.	41
	PS	Physocarpus opulifolius 'Seward'	Summer Wine® Ninebark	Cont.	24" ht.	58
SYMBOL CODE BOTANICAL NAME COMMON NAME CONT.						
GROUND COVER MATERIAL						
	MULCH	Hardwood Mulch	2" layer of shredded hardwood mulch	Mulch		
	AGG	Maintenance Aggregate Angular to sub-angular basalt over filter fabric, 3/4-inch diameter, washed, or approved equal	3/4-in dia. washed aggregate	3" depth		
TURF						
	SOD	Festuca arundinacea Turf-type tall fescue blend w/ max. 10% Kentucky bluegrass that meets the TWCA approval	Drought Tolerant Fescue Blend	sod		

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	REQUIRED	PROVIDED
LANDSCAPING ALONG ARTERIAL/COLLECTOR STREETS		
EAST: K-7 HWY, 106 LF		
LANDSCAPE TRACT	25 LF WIDTH	40 LF WIDTH
SHADE TREES (2/100 LF)	106/100 = 1.06 X 2 = 2.12 (2 SHADE TREES)	2 EXISTING SHADE TREES MEETS REQ'T
EVERGREEN TREES (5/100 LF)	106/100 = 1.06 X 5 = 5.48 (5 EVERGREEN TREES)	9 EVERGREEN TREES
ORNAMENTAL TREES (1/100 LF)	106/100 = 1.06 = 1 ORNAMENTAL TREE	1 ORNAMENTAL TREE
PARKING LOT LANDSCAPING		
RIGHT-OF-WAY SCREENING	MIX OF SHRUBS, TREES AND OTHER PLANTINGS	PROVIDED
INTERNAL LANDSCAPED ISLANDS (1 PER 20 SPACES)	41/20 = 2.05 (2 ISLANDS)	3 ISLANDS
SHADE TREES	TREE IN EACH ISLAND	PROVIDED
TYPE 3 BUFFER (NORTH PROPERTY BOUNDARY ADJ. TO RESIDENTIAL-431 LF)		
MINIMUM WIDTH	20 LF	30 LF
SHADE TREES	431/100 = 4.31 * 1.5 = 6.46 (1.5 PER 100 LF)	7 EXISTING SHADE TREES
ORNAMENTAL TREES	431/100 = 4.31 (1 PER 100 LF)	7 EXISTING SHADE TREES
SHRUBS / ORN. GRASSES	431/100 = 4.31 * 35 = 151 (35 PER 100 LF)	157 SHRUBS / ORN. GRASSES
CONSTRUCTED FEATURES	6" HT. WALL OR BERM	6" HT. WALL BY OWNER
TREE MITIGATION		
5% TREE MITIGATION REQUIRED (SEE TO PLANS)	23 INCHES (DBH)	30" OF NATIVE TREES < 8" DBH PRESERVED; NO MITIGATION REQUIRED

MINIMUM TIME REQUIREMENTS FOR LANDSCAPING (EXCLUDING STREET TREES AND MASTER PEST AND SOFTENING IMPROVEMENTS) ARE AS FOLLOWS:

FOR RESIDENTIAL, NONRESIDENTIAL, OR MIXED-USE DEVELOPMENTS, ALL REQUIRED LANDSCAPING MATERIALS, BOTH LIVING AND NONLIVING, MUST BE IN PLACE PRIOR TO THE TIME OF ISSUANCE OF A FINAL CERTIFICATE OF OCCUPANCY. WEATHER PROTECTING IN PERIODS OF ADVERSE WEATHER CONDITIONS, OR UNUSUAL TYPES OF ADVERSE WEATHER OR OCCURRENCE MAY BE ISSUED, SUBJECT TO THE SCHEDULING OF A SPOT OR IRREVERSIBLE CREDIT OF CREDIT IN AN AMOUNT EQUAL TO THE ESTIMATED COST OF THE LANDSCAPING. WITH THE ESTIMATED COST CREDITED BY A LANDSCAPING PROVIDER, A CONTRACT LETTER OR BILL OF SALE FROM A LANDSCAPING COMPANY OR GARDEN CENTER FOR THE REQUIRED LANDSCAPING MATERIALS MUST BE SUBMITTED TO THE CITY OF CHICAGO WITHIN 11 MONTHS AFTER THE DATE OF THE IRREVERSIBLE CREDIT OF CREDIT MAY BE FORFEITED IF THE LANDSCAPING IS NOT COMPLETED WITHIN 11 MONTHS AFTER THE EXPIRATION OF THE IRREVERSIBLE CREDIT OF CREDIT. THE CITY OF CHICAGO WILL NOT BE RESPONSIBLE FOR THE COST OF THE IRREVERSIBLE CREDIT OF CREDIT. THE OWNER OF THE RESPONSIBILITY TO COMPLETE THE REQUIRED LANDSCAPING. (CHI 22-0133, S. 2022)

1. AN AUTOMATIC IRRIGATION SYSTEM SHALL BE INSTALLED AND OPERATED BY THE TIME OF FINAL INSPECTION. THE ENTIRE IRRIGATION SYSTEM SHALL BE INITIATED BY A LICENSED AND QUALIFIED IRRIGATION CONTRACTOR.

2. THE IRRIGATION SYSTEM SHALL OPERATE ON SCHEDULED TIMES. THE IRRIGATION SYSTEM WILL HAVE APPROPRIATE BACKFLOW PREVENTION INSTALLED TO PREVENT CONTAMINATION OF THE POTABLE SUPPLY.

3. ALL NONPOTABLE PLANTED AREAS SHALL BE DRAIN BODIES, SOODS AND BREEDS AREAS SHALL BE BACKFLOWS WITH SPRAY OR ROTOR ASSEMBLIES.

4. ALL PLANTS SHARING SIMILAR HYDROLOGIC CHARACTERISTICS SHALL BE PLACED ON A VALVE DESIGNED TO MEET THE NECESSARY WATER REQUIREMENTS SPECIFIC TO THAT HYDROLOGIC.

5. THE IRRIGATION SYSTEM SHALL BE DESIGNED AND INSTALLED TO THE MAXIMUM EXTENT POSSIBLE TO CONSERVE WATER BY USING EFFICIENT WATER SAVING DEVICES. SUCH DEVICES MAY INCLUDE: MATCHING PLANT TO SOIL, AUTOMATIC ROTATOR AND SPRAY - GRADE OR FERTILIZER, RAIN SENSORS, AND MULTI-PURPOSE COMPUTERIZED IRRIGATION CONTROLS (FEATURES: SENSOR INPUT, SCHEDULING, AND REPORTING).

THE CONTRACTOR SHALL INSTALL ROOT BARRIERS NEAR ALL NEWLY-PLANTED TREES THAT ARE LOCATED WITHIN FIVE (5) FEET OF PAVING, CURBS, WATER, STORM, OR SANITARY SEWER UTILITIES. ROOT BARRIERS SHALL BE "CENTURY" OR "DEEP-ROOT" 24" DEEP PANELS (OR EQUAL). BARRIERS SHALL BE LOCATED IMMEDIATELY ADJACENT TO HARDSCAPE. INSTALL PANELS PER MANUFACTURER'S RECOMMENDATIONS. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR USE ROOT BARRIERS OF A TYPE THAT COMPLETELY ENCLOSE THE ROOTBALL.

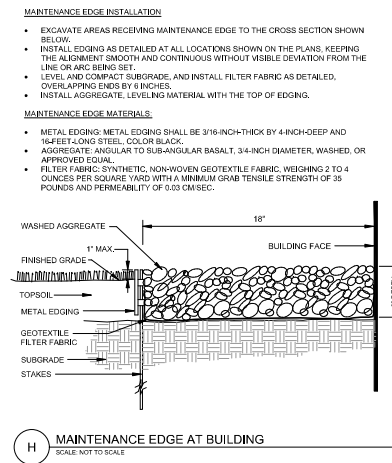
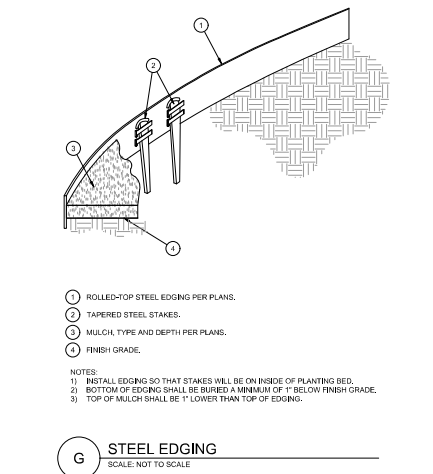
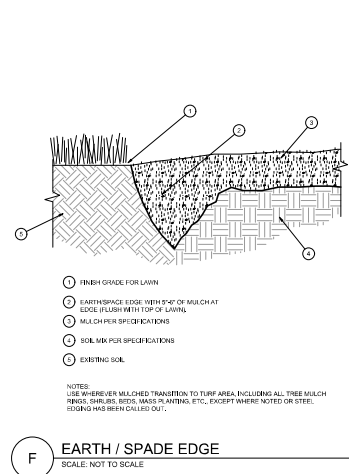
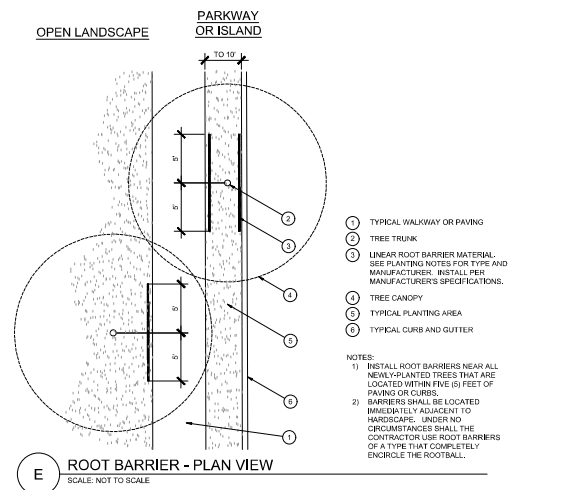
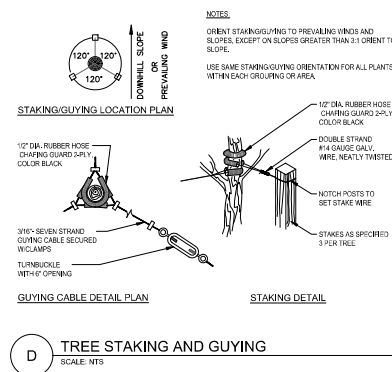
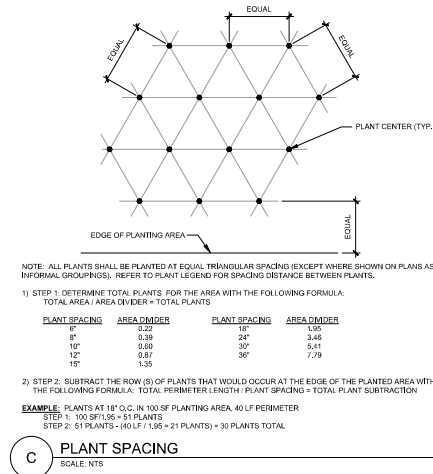
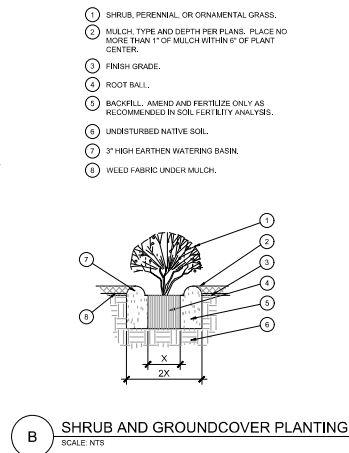
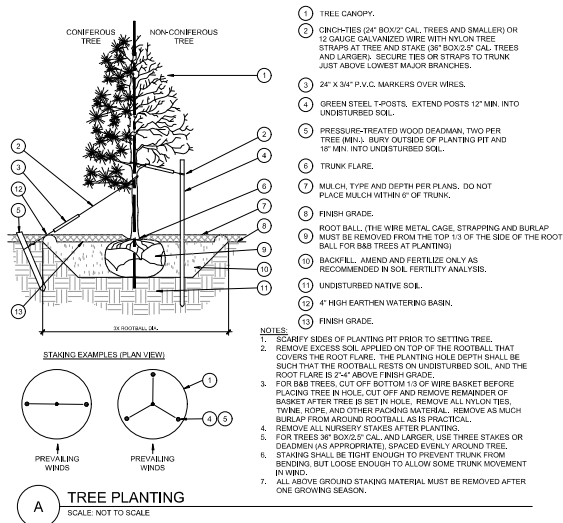
AFTER ALL PLANTING IS COMPLETE, CONTRACTOR SHALL INSTALL 2" THICK LAYER OF 1/2" SHREDDED WOOD MULCH, NATURAL (UNDYED), OVER LANDSCAPE FABRIC IN ALL PLANTING AREAS (EXCEPT FOR TURF AND SEEDBED AREAS). CONTRACTOR SHALL SUBMIT SAMPLES OF ALL MULCHES TO LANDSCAPE ARCHITECT AND OWNER FOR APPROVAL PRIOR TO CONSTRUCTION. ABSOLUTELY NO EXPOSED GROUND SHALL BE LEFT SHOWING ANYWHERE ON THE PROJECT AFTER MULCH HAS BEEN INSTALLED (SUBJECT TO THE CONDITIONS AND REQUIREMENTS OF THE "GENERAL GRADING AND PLANTING NOTES" AND SPECIFICATIONS).

THE LANDSCAPE CONTRACTOR SHALL GUARANTEE THAT ALL NEWLY INSTALLED AND EXISTING PLANTS SHALL SURVIVE FOR ONE YEAR AFTER FINAL OWNER ACCEPTANCE OF THE INSTALLATION WORK. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR APPROPRIATE WATERING OF THE LANDSCAPE THROUGH INSTALLATION OF A PROPERLY DESIGNED IRRIGATION SYSTEM. THE OWNER SHALL APPROVE THE SYSTEM DESIGN BEFORE INSTALLATION OF PLANTS OR IRRIGATION.

CHRISTIAN BROTHERS AUTOMOTIVE
STAG RIDGE LOT 2B
AND N MILLRIDGE STREET, OLATHE, MO

K/ AND N MILLRIDGE S I REE I, OLAI HE, KS

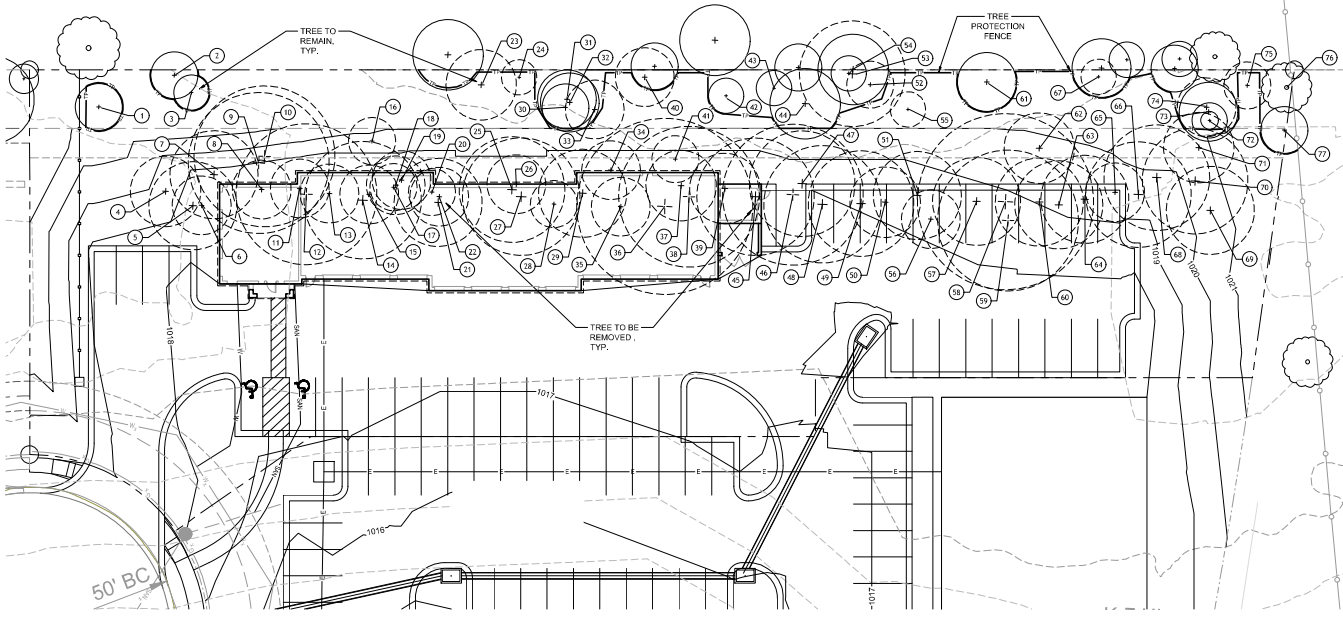
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Scale 1" = 20'

NOTE: PRINTED DRAWINGS SET MAY HAVE CHANGED FROM ORIGINAL. VERIFY SCALE USING 1/4" INCH SCALE ABOVE.

(UNPLATTED)
DF231327-3001
Address: 909 N K7 HWY
Owner: JO CO PARK & RECREATION DISTRICT



LEGEND

EXISTING TREE TO BE REMAIN

EXISTING TREE TO BE REMOVED

TREE PROTECTION FENCING

- TREE PROTECTION GENERAL NOTES**
- (A) PRIOR TO THE LAND CLEARING STAGE OF DEVELOPMENT, THE CONTRACTOR SHALL CLEARLY MARK ALL PROTECTED TREES FOR WHICH A TREE REMOVAL PERMIT HAS NOT BEEN ISSUED AND SHALL ERECT BARRIERS FOR THE PROTECTION OF THE TREES ACCORDING TO THE FOLLOWING:
 - (1) AROUND AN AREA AT OR GREATER THAN A SIX-FOOT RADIUS OF ALL SPECIES OF MANROEVES AND PROTECTED CABBAGE PALMS;
 - (2) AROUND AN AREA AT OR GREATER THAN THE FULL DIAPHRASE OF ALL PROTECTED NATIVE PINES;
 - (3) AROUND AN AREA AT OR GREATER THAN TWO-THIRDS OF THE DIAPHRASE OF ALL OTHER PROTECTED SPECIES.
 - (B) NO PERSON SHALL ATTACH ANY SIGN, NOTICE OR OTHER OBJECT TO ANY PROTECTED TREE OR FASTEN ANY WIRES, CABLES, NAILS OR SCREWS TO ANY PROTECTED TREE IN ANY MANNER THAT COULD PROVE HARMFUL TO THE PROTECTED TREE, EXCEPT AS NECESSARY IN CONJUNCTION WITH ACTIVITIES IN THE PUBLIC INTEREST.
 - (C) DURING THE CONSTRUCTION STAGE OF DEVELOPMENT, THE CONTRACTOR SHALL NOT CAUSE OR PERMIT THE CLEANING OF EQUIPMENT OR MATERIAL WITHIN THE OUTSIDE PERIMETER OF THE CROWN (DIAPHRASE) OF ANY TREE OR GROUP OF TREES WHICH IS TO BE PRESERVED. WITHIN THE OUTSIDE PERIMETER OF THE CROWN (DIAPHRASE) OF ANY TREE OR GROUP OF TREES WHICH IS TO BE PRESERVED, STORAGE OF BUILDING MATERIAL AND/OR EQUIPMENT, OR DISPOSAL OF WASTE MATERIAL SUCH AS PAINTS, OIL, SOLVENTS, ASPHALT, CONCRETE, WORTAR OR ANY OTHER MATERIAL, HARMFUL TO THE LIFE OF THE TREE.
 - (D) NO PERSON SHALL PERMIT ANY UNNECESSARY FIRE OR BURNING WITHIN 30 FEET OF THE DIAPHRASE OF A PROTECTED TREE.
 - (E) ANY LANDSCAPING ACTIVITIES WITHIN THE BARRIER AREA SHALL BE ACCOMPANIED WITH HAND LABOR.
 - (F) PRIOR TO ISSUING A CERTIFICATE OF OCCUPANCY OR COMPLIANCE FOR ANY DEVELOPMENT, BUILDING OR STRUCTURE, ALL TREES DESIGNATED TO BE PRESERVED THAT WERE DESTROYED DURING CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR WITH TREES OF EQUIVALENT DIAMETER AT BREAST-HIGHT TREE CALIPERS AND OF THE SAME SPECIES AS SPECIFIED BY THE LANDSCAPE ADMINISTRATOR, BEFORE OCCUPANCY OR USE, UNLESS APPROVAL FOR THEIR REMOVAL HAS BEEN GRANTED UNDER PERMIT.
 - (G) THE LANDSCAPE ADMINISTRATOR MAY CONDUCT PERIODIC INSPECTIONS OF THE SITE DURING LAND CLEARANCE AND CONSTRUCTION.
 - (H) IF, IN THE OPINION OF THE LANDSCAPE ADMINISTRATOR, DEVELOPMENT ACTIVITIES WILL SO SEVERELY STRESS SLASH PINES OR ANY OTHER PROTECTED TREE SUCH THAT THEY ARE MADE SUSCEPTIBLE TO INSECT ATTACK, PREVENTATIVE SPRAYING OF THESE TREES BY THE CONTRACTOR MAY BE REQUIRED.

NOTE: TREE PROTECTION FOR ANY PRESERVED OR RELOCATED TREES MUST BE PROVIDED PER DETAILS AND SPECIFICATIONS ON SHEET TD-2. THESE MUST BE UP PRIOR TO THE COMMENCEMENT OF ANY WORK AND MAINTAINED THROUGHOUT CONSTRUCTION.

NOTE: ALL TREE TRIMMING MUST BE APPROVED BY THE OWNER AND LOCAL JURISDICTION PRIOR TO COMMENCEMENT OF WORK. ALL TREE TRIMMING MUST BE DONE BY AN ISA CERTIFIED ARBORIST IN ACCORDANCE WITH LOCAL TREE PRESERVATION ORDINANCE.

NOTE: TREE PRESERVATION TO MEET ALL REQUIREMENTS WITHIN THE OLATHE UNIFIED DEVELOPMENT ORDINANCE 18.30.240 - TREE PRESERVATION.

TREE DISPOSITION CHART

TREE NUMBER	Common Name	Scientific Name	SIZE (DBH) INCHES	CONDITION	STATUS	SIGNIFICANT	NATIVE	REMOVED INCHES (DBH)	PRESERVED INCHES (DBH)
1	American Elm	Ulmus americana	8	Good	PRESERVE	YES	YES	8	8
2	American Elm	Ulmus americana	8	Good	PRESERVE	YES	YES	8	8
3	American Elm	Ulmus americana	6	Good	PRESERVE	NO	YES	6	6
4	Osage Orange	Maclura pomifera	12	Fair	REMOVE	NO	YES	12	12
5	Osage Orange	Maclura pomifera	15	Poor	REMOVE	NO	YES	15	15
6	Osage Orange	Maclura pomifera	10	Poor	REMOVE	NO	YES	10	10
7	Osage Orange	Maclura pomifera	15	Good	REMOVE	YES	YES	15	15
8	Osage Orange	Maclura pomifera	10	Poor	REMOVE	NO	YES	10	10
9	Hickberry	Celtis occidentalis	24	Fair	REMOVE	YES	YES	24	24
10	Hickberry	Celtis occidentalis	24	Poor	REMOVE	NO	YES	24	24
11	Osage Orange	Maclura pomifera	10	Poor	REMOVE	NO	YES	10	10
12	Silver Elm	Ulmus pumila	24	Poor	REMOVE	NO	YES	24	24
13	Osage Orange	Maclura pomifera	10	Poor	REMOVE	NO	YES	10	10
14	Hickberry	Celtis occidentalis	20	Poor	REMOVE	NO	YES	20	20
15	Osage Orange	Maclura pomifera	10	Good	REMOVE	YES	YES	10	10
16	Hickberry	Celtis occidentalis	8	Poor	REMOVE	NO	YES	8	8
17	Osage Orange	Maclura pomifera	8	Poor	REMOVE	NO	YES	8	8
18	Osage Orange	Maclura pomifera	10	Fair	REMOVE	YES	YES	10	10
19	Osage Orange	Maclura pomifera	10	Poor	REMOVE	NO	YES	10	10
20	Osage Orange	Maclura pomifera	8	Poor	REMOVE	NO	YES	8	8
21	Osage Orange	Maclura pomifera	15	Fair	REMOVE	YES	YES	15	15
22	American Elm	Ulmus americana	10	Good	REMOVE	YES	YES	10	10
23	Silver Elm	Ulmus pumila	12	Good	REMOVE	NO	NO	12	12
24	Silver Elm	Ulmus pumila	8	Good	REMOVE	NO	NO	8	8
25	Black Cherry	Prunus serotina	18	Poor	REMOVE	NO	YES	18	18
26	Osage Orange	Maclura pomifera	10	Fair	REMOVE	YES	YES	10	10
27	Osage Orange	Maclura pomifera	20	Fair	REMOVE	YES	YES	20	20
28	Osage Orange	Maclura pomifera	8	Poor	REMOVE	NO	YES	8	8
29	Osage Orange	Maclura pomifera	15	Poor	REMOVE	NO	YES	15	15
30	Hickberry	Celtis occidentalis	8	Good	PRESERVE	YES	YES	8	8
31	Black Cherry	Prunus serotina	10	Fair	PRESERVE	YES	YES	10	10
32	Hickberry	Celtis occidentalis	10	Fair	PRESERVE	YES	YES	10	10
33	Osage Orange	Maclura pomifera	10	Poor	REMOVE	NO	YES	10	10
34	Osage Orange	Maclura pomifera	10	Poor	REMOVE	NO	YES	10	10
35	Osage Orange	Maclura pomifera	10	Fair	REMOVE	YES	YES	10	10
36	Osage Orange	Maclura pomifera	30	Poor	REMOVE	NO	YES	30	30
37	Osage Orange	Maclura pomifera	12	Poor	REMOVE	NO	YES	12	12
38	Osage Orange	Maclura pomifera	24	Fair	REMOVE	YES	YES	24	24
39	Osage Orange	Maclura pomifera	12	Poor	REMOVE	NO	YES	12	12
40	Osage Orange	Maclura pomifera	10	Poor	REMOVE	NO	YES	10	10
41	Hickberry	Celtis occidentalis	8	Fair	REMOVE	YES	YES	8	8
42	American Elm	Ulmus americana	8	Good	PRESERVE	NO	YES	8	8
43	Hickberry	Celtis occidentalis	6	Good	PRESERVE	NO	YES	6	6
44	Hickberry	Celtis occidentalis	12	Good	PRESERVE	YES	YES	12	12
45	Osage Orange	Maclura pomifera	20	Fair/Poor	REMOVE	NO	YES	20	20
46	Osage Orange	Maclura pomifera	24	Fair/Poor	REMOVE	NO	YES	24	24
47	Osage Orange	Maclura pomifera	18	Fair/Poor	REMOVE	NO	YES	18	18
48	Osage Orange	Maclura pomifera	20	Fair/Poor	REMOVE	NO	YES	20	20
49	Osage Orange	Maclura pomifera	18	Fair/Poor	REMOVE	NO	YES	18	18
50	Osage Orange	Maclura pomifera	12	Fair/Poor	REMOVE	NO	YES	12	12
51	Osage Orange	Maclura pomifera	15	Fair/Poor	REMOVE	NO	YES	15	15
52	Osage Orange	Maclura pomifera	8	Poor	REMOVE	NO	YES	8	8
53	Black Cherry	Prunus serotina	18	DEAD	REMOVE	NO	YES	18	18
54	Hickberry	Celtis occidentalis	12	Good	PRESERVE	YES	YES	12	12
55	American Elm	Ulmus americana	8	Fair	REMOVE	NO	YES	8	8
56	American Elm	Ulmus americana	10	Good	REMOVE	YES	YES	10	10
57	Osage Orange	Maclura pomifera	15	Poor	REMOVE	NO	YES	15	15
58	Osage Orange	Maclura pomifera	30	Fair	REMOVE	YES	YES	30	30
59	Osage Orange	Maclura pomifera	24	Fair	REMOVE	YES	YES	24	24
60	Osage Orange	Maclura pomifera	15	Poor	REMOVE	NO	YES	15	15
61	Black Walnut	Juglans nigra	10	Good	PRESERVE	YES	YES	10	10
62	Hickberry	Celtis occidentalis	12	Fair	REMOVE	YES	YES	12	12
63	Osage Orange	Maclura pomifera	15	Fair	REMOVE	YES	YES	15	15
64	Osage Orange	Maclura pomifera	15	Poor	REMOVE	NO	YES	15	15
65	Osage Orange	Maclura pomifera	18	Fair	REMOVE	YES	YES	18	18
66	Osage Orange	Maclura pomifera	18	Fair	REMOVE	YES	YES	18	18
67	Black Cherry	Prunus serotina	6	Poor	REMOVE	NO	YES	6	6
68	Black Cherry	Prunus serotina	18	Poor	REMOVE	NO	YES	18	18
69	Osage Orange	Maclura pomifera	15	Fair	REMOVE	YES	YES	15	15
70	Osage Orange	Maclura pomifera	18	Fair	REMOVE	YES	YES	18	18
71	Hickberry	Celtis occidentalis	12	Good	REMOVE	YES	YES	12	12
72	Hickberry	Celtis occidentalis	6	Good	PRESERVE	NO	YES	6	6
73	Hickberry	Celtis occidentalis	10	Good	PRESERVE	YES	YES	10	10
74	Black Cherry	Prunus serotina	10	DEAD	REMOVE	NO	YES	10	10
75	Silver Elm	Ulmus pumila	8	Fair	REMOVE	NO	YES	8	8
76	American Elm	Ulmus americana	8	Good	PRESERVE	YES	YES	8	8
77	Hickberry	Celtis occidentalis	8	Good	PRESERVE	YES	YES	8	8

TOTAL MITIGATION TABLE	
424	TOTAL PROTECTED INCHES (DBH)
320	SIGNIFICANT INCHES (DBH) REMOVED
104	SIGNIFICANT INCHES (DBH) PRESERVED
20%	PERCENTAGE OF SIGNIFICANT INCHES PRESERVED
5%	PERCENTAGE OF MITIGATION REQUIRED
23	INCHES (DBH) OF MITIGATION REQUIRED
20	INCHES OF NATIVE TREES - IF PRESERVED
-7	TOTAL INCHES (DBH) OF MITIGATION REQUIRED

EVERGREEN DESIGN GROUP

www.evergreendesigngroup.com

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SEAL

06/13/2025

CHRISTIAN BROTHERS AUTOMOTIVE

STAG RIDGE LOT 2B

K7 AND N MILLRIDGE STREET, OLATHE, KS

DESIGN DATE

DESIGNED BY

CHECKED BY

DATE PREPARED

DATE FOR CONSTRUCTION

DATE FOR CONSTRUCTION

TREE DISPOSITION PLAN

SHEET

TD-1

TREE DISPOSITION SPECIFICATIONS

MATERIALS

1. FABRIC: 4 FOOT HIGH ORANGE PLASTIC FENCING AS SHOWN ON THE PLANS AND SHALL BE WOVEN WITH 2 INCH MESH OPENINGS SUCH THAT IN A VERTICAL DIMENSION OF 23 INCHES ALONG THE DIAGONALS OF THE OPENINGS THERE SHALL BE AT LEAST 7 MESHES.
2. POSTS: POSTS SHALL BE A MINIMUM OF 72 INCHES LONG AND STEEL "I" SHAPED WITH A MINIMUM WEIGHT OF 1.3 POUNDS PER LINEAR FOOT.
3. THE WIRE: WIRE FOR ATTACHING THE FABRIC TO THE T-POSTS SHALL BE NOT LESS THAN NO. 12 GAUGE GALVANIZED WIRE.
4. USED MATERIALS: PREVIOUSLY-USED MATERIALS, MEETING THE ABOVE REQUIREMENTS AND WHEN APPROVED BY THE OWNER, MAY BE USED.

CONSTRUCTION METHODS

1. ALL TREES AND SHRUBS SHOWN TO REMAIN WITHIN THE PROXIMITY OF THE CONSTRUCTION SITE SHALL BE PROTECTED PRIOR TO BEGINNING ANY DEVELOPMENT ACTIVITY.
2. EMPLOY THE SERVICES OF AN ISA (INTERNATIONAL SOCIETY OF ARBORICULTURE) CERTIFIED ARBORIST AND OBTAIN ALL REQUIRED PERMITS TO PRUNE THE EXISTING TREES FOR CLEANING, RAISING AND THINNING, AS MAY BE REQUIRED.
3. PROTECTIVE FENCING SHALL BE ERECTED OUTSIDE THE CRITICAL ROOT ZONE (CRZ, EQUAL TO 1" FROM THE TRUNK FOR EVERY 1" OF DBH) AT LOCATIONS SHOWN IN THE PLANS OR AS DIRECTED BY THE LANDSCAPE CONSULTANT AND/OR CITY ARBORIST. AND IN ACCORDANCE WITH THE DETAILS SHOWN ON THE PLANS. FENCING SHALL BE MAINTAINED AND REPAIRED BY THE CONTRACTOR DURING SITE CONSTRUCTION. TREES IN CLOSE PROXIMITY SHALL BE FENCED TOGETHER, RATHER THAN INDIVIDUALLY.
4. PROTECTIVE FENCE LOCATIONS IN CLOSE PROXIMITY TO STREET INTERSECTIONS OR DRIVES SHALL ADHERE TO THE APPLICABLE JURISDICTIONS SIGHT DISTANCE CRITERIA.
5. THE PROTECTIVE FENCING SHALL BE ERECTED BEFORE SITE WORK COMMENCES AND SHALL REMAIN IN PLACE DURING THE ENTIRE CONSTRUCTION PHASE.
6. THE INSTALLATION POSTS SHALL BE PLACED EVERY 6 FEET ON CENTER AND EMBEDDED TO 18 INCHES DEEP. MESH FABRIC SHALL BE ATTACHED TO THE INSTALLATION POSTS BY THE USE OF SUFFICIENT WIRE TIES TO SECURELY FASTEN THE FABRIC TO THE T-POSTS TO HOLD THE FABRIC IN A STABLE AND UPRIGHT POSITION.
7. WITHIN THE CRZ:
 - a. DO NOT CLEAR, FILL OR GRADE IN THE CRZ OF ANY TREE.
 - b. DO NOT STORE, STOCKPILE OR DUMP ANY JOB MATERIAL, SOIL OR RUBBISH UNDER THE SPREAD OF THE TREE BRANCHES.
 - c. DO NOT PARK OR STORE ANY EQUIPMENT OR SUPPLIES UNDER THE TREE CANOPY.
 - d. DO NOT SET UP ANY CONSTRUCTION OPERATIONS UNDER THE TREE CANOPY (SUCH AS PIPE CUTTING AND THREADING, MORTAR MIXING, PAINTING OR LUMBER CUTTING).
 - e. DO NOT NAIL OR ATTACH TEMPORARY SIGNS, METERS, SWITCHES, WIRES, BRACING OR ANY OTHER ITEM TO THE TREES.
 - f. DO NOT PERMIT RUNOFF FROM WASTE MATERIALS INCLUDING SOLVENTS, CONCRETE WASHOUTS, ASPHALT TACK COATS (MC-30 OIL), ETC. TO ENTER THE CRZ. BARRIERS ARE TO BE PROVIDED TO PREVENT SUCH RUNOFF. SUBSTANCES FROM ENTERING THE CRZ WHENEVER POSSIBLE INCLUDING IN AN AREA WHERE RAIN OR SURFACE WATER COULD CARRY SUCH MATERIALS TO THE ROOT SYSTEM OF THE TREE.

8. ROUTE UNDERGROUND UTILITIES TO AVOID THE CRZ. IF DIGGING IS UNAVOIDABLE, BORE UNDER THE ROOTS, OR HAND DIG TO AVOID SEVERING THEM.
9. WHERE EXCAVATION IN THE VICINITY OF TREES MUST OCCUR, SUCH AS FOR IRRIGATION INSTALLATION, PROCEED WITH CAUTION, AND USING HAND TOOLS ONLY.
10. THE CONTRACTOR SHALL NOT CUT ROOTS LARGER THAN ONE INCH IN DIAMETER WHEN EXCAVATION OCCURS NEAR EXISTING TREES. ALL ROOTS LARGER THAN ONE INCH IN DIAMETER ARE TO BE CUT CLEANLY. FOR OAKS ONLY, ALL WOUNDS SHALL BE PAINTED WITH WOUND SEALER WITHIN 30 MINUTES.
11. REMOVE ALL TREES, SHRUBS OR BUSHES TO BE CLEARED FROM PROTECTED ROOT ZONE AREAS BY HAND.
12. TREES DAMAGED OR KILLED DUE TO CONTRACTOR'S NEGLIGENCE DURING CONSTRUCTION SHALL BE MITIGATED AT THE CONTRACTOR'S EXPENSE AND TO THE PROJECT OWNERS' AND LOCAL JURISDICTIONS' SATISFACTION.
13. ANY TREE REMOVAL SHALL BE APPROVED BY THE OWNER AND LOCAL JURISDICTION PRIOR TO ITS REMOVAL, AND THE CONTRACTOR SHALL HAVE ALL REQUIRED PERMITS FOR SUCH ACTIVITIES.
14. COVER EXPOSED ROOTS AT THE END OF EACH DAY WITH SOIL, MULCH OR WET BURLAP.
15. IN CRITICAL ROOT ZONE AREAS THAT CANNOT BE PROTECTED DURING CONSTRUCTION AND WHERE HEAVY TRAFFIC IS ANTICIPATED, COVER THE SOIL WITH EIGHT INCHES OF ORGANIC MULCH TO MINIMIZE SOIL COMPACTION. THE EIGHT INCH DEPTH OF MULCH SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION.
16. WATER ALL TREES IMPACTED BY CONSTRUCTION ACTIVITIES, DEEPLY ONCE A WEEK DURING PERIODS OF HOT DRY WEATHER. SPRAY TREE CROWNS WITH WATER PERIODICALLY TO REDUCE DUST ACCUMULATION ON THE LEAVES.
17. WHEN INSTALLING CONCRETE ADJACENT TO THE ROOT ZONE OF A TREE, USE A PLASTIC VAPOR BARRIER BEHIND THE CONCRETE TO PROHIBIT LEACHING OF LIME INTO THE SOIL.
18. CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL TREE PROTECTION FENCING WHEN ALL THREATS TO THE EXISTING TREES FROM CONSTRUCTION-RELATED ACTIVITIES HAVE BEEN REMOVED.

TREES THAT ARE MARKED TO BE PRESERVED ON A SITE PLAN AND FOR WHICH UTILITIES MUST PASS THROUGH THEIR ROOT PROTECTION ZONES MAY REQUIRE TUNNELING AS OPPOSED TO OPEN TRENCHES. THE DECISION TO TUNNEL WILL BE DETERMINED ON A CASE BY CASE BASIS BY THE ENGINEER.

TUNNELS SHALL BE DUG THROUGH THE ROOT PROTECTION ZONE IN ORDER TO MINIMIZE ROOT DAMAGE.



TUNNEL TO MINIMIZE ROOT DAMAGE (TOP) AS OPPOSED TO SURFACE-DUG TRENCHES IN ROOT PROTECTION ZONE WHEN THE 5" MINIMUM DISTANCE FROM TRUNK CAN NOT BE ACHIEVED.



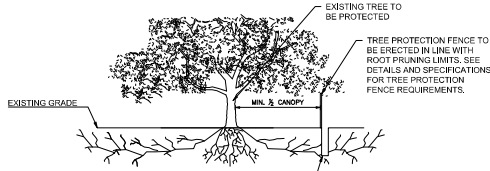
OPEN TRENCHING MAY BE USED IF EXPOSED TREE ROOTS DO NOT EXCEED 2" OR ROOTS CAN BE BENT BACK.

C BORING THROUGH ROOT PROTECTION ZONE

SCALE: NOT TO SCALE

NOTES

1. RETENTION AREAS WILL BE SET AS PART OF THE REVIEW PROCESS AND PRE-CONSTRUCTION MEETING.
2. BOUNDARIES OF RETENTION AREAS MUST BE STAKED AT THE PRE-CONSTRUCTION MEETING AND FLAGGED PRIOR TO ROOT PRUNING.
3. EXACT LOCATION OF ROOT PRUNING SHALL BE DETERMINED IN THE FIELD IN COORDINATION WITH THE FORESTRY INSPECTOR.
4. TRENCH SHOULD BE IMMEDIATELY BACKFILLED WITH EXCAVATED SOIL OR OTHER ORGANIC SOIL AS SPECIFIED PER PLAN OR BY THE FORESTRY INSPECTOR.
5. ROOTS SHALL BE CLEANLY CUT USING VIBRATORY KNIFE OR OTHER ACCEPTABLE EQUIPMENT. ROOT PRUNING METHODS AND MEANS MUST BE IN ACCORDANCE WITH ANSI STANDARD A300.
6. ALL PRUNING MUST BE EXECUTED AT LOD SHOWN ON PLANS OR AS AUTHORIZED IN WRITING BY THE FORESTRY INSPECTOR.
7. SUPPLEMENTAL WATERING MAY BE REQUIRED FOR ROOT PRUNED TREES THROUGHOUT THE GROWING SEASON DURING CONSTRUCTION AND SUBSEQUENT WARRANTY AND MAINTENANCE PERIOD.

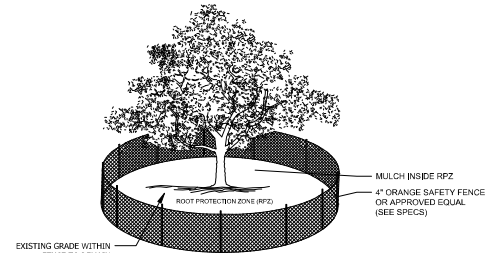


ROOT PRUNE VIA AIRSPACE OR TRENCH (8" WIDE)

- HAND DIG TRENCH (NO MECHANICAL TRENCHING)
- BACKFILL WITH EXISTING SOIL
- PERFORM ROOT PRUNING A MINIMUM OF 2 WEEKS PRIOR TO CONSTRUCTION

D ROOT PRUNING DETAIL

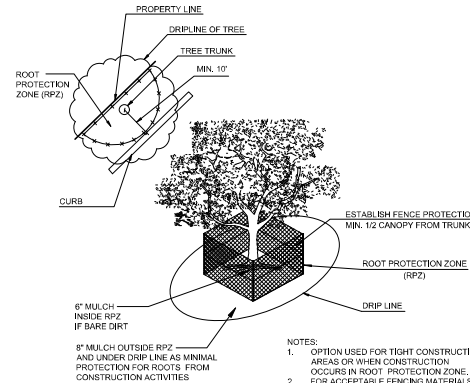
SCALE: NOT TO SCALE



- NOTES:
1. THE FENCING LOCATION SHOWN ABOVE IS DIAGRAMATIC ONLY AND WILL CONFORM TO THE DRIP LINE (MINIMUM) AND BE LIMITED TO PROJECT BOUNDARY. WHERE MULTIPLE ADJACENT TREES WILL BE ENCLOSED BY FENCING, THE FENCING SHALL BE CONTINUOUS AROUND ALL TREES.
 2. FOR ACCEPTABLE FENCING MATERIALS SEE SPECIFICATIONS.
 3. NO GRADING, STORAGE, PARKING OR ANY OTHER CONSTRUCTION ACTIVITY WITHIN THE PROTECTION FENCE.

A TREE PROTECTION FENCE

SCALE: NOT TO SCALE



- NOTES:
1. OPTION USED FOR TIGHT CONSTRUCTION AREAS OR WHEN CONSTRUCTION OCCURS IN ROOT PROTECTION ZONE.
 2. FOR ACCEPTABLE FENCING MATERIALS SEE SPECIFICATIONS.

B TREE PROTECTION FENCE - TIGHT CONSTRUCTION

SCALE: NOT TO SCALE

06/13/2025

CHRISTIAN BROTHERS AUTOMOTIVE
STAG RIDGE LOT 2B

K7 AND N MILLRIDGE STREET, OLATHE, KS

DESIGNED BY	
CHECKED BY	
DATE	
DATE PREPARED	
DATE REVIEWED	
DATE APPROVED	

TREE PRESERVATION
SPECIFICATIONS &
DETAILS

SHEET

TD-2