

### Tree and Shrub Planting List

	ITEM	QTY.	COMMON NAME	BOTANICAL NAME	SIZE & CONDITION
SHADE TREES	A	8	AUTUMN PURPLE ASH	FRAXINUS AMERICANA 'AUTUMN PURPLE'	3" CAL.
	B	7	OCTOBER GLORY MAPLE	ACER RUBRUM 'OCTOBER GLORY'	3" CAL.
	C	10	SUPERFORM NORWAY MAPLE	ACER PLATANOIDES	3" CAL.
ORN.	D	7	SPRING SNOW CRABAPPLE	MALUS 'SPRING SNOW'	3" CAL.
DEC. SHRUBS	H	27	DWARF BURNING BUSH	EUONYMUS ALATA 'COMPACTA'	5 GALLON, 24-30 INCHES
	I	22	POTENTILLA	POTENTILLA FRUITCOSA 'GOLDFINGER'	5 GALLON, 24-30 INCHES
	L	20	DAVID VIBURNUM	VIBURNUM DAVIDII	5 GALLON, 24-30 INCHES
LEG. SHRUBS	J	20	BLUE PACIFIC JUNIPER	JUNIPERUS CONFERTA 'BLUE PACIFIC'	5 GALLON, 24-30 INCHES
	K	23	DENSE YEWE	TAXUS MEDIA DENSIFORMIS	5 GALLON, 24-30 INCHES

- Landscape Notes:**
- Landscaping shall be coordinated with the location of utilities, driveways and traffic clearance zones.
  - The contractor doing excavation on public right-of-way shall give 48 hours advance notice to and obtain information from utility companies.
  - Prior to commencement of work, the contractor shall notify all those companies which have facilities in the near vicinity of the construction to be performed.
  - Existing underground, overhead, utilities and drainage structures have been plotted from available information and therefore, their locations must be considered approximate only. It is the responsibility of the individual contractors to notify the utility companies to locate their utilities before actual construction.
  - Contractor shall verify location of and protect all utilities and structures. Damage to utilities and structures shall be repaired by the contractor to the satisfaction of the owner at no additional expense.
  - Entire site to be irrigated by underground system, including right of way as req'd. (limits of sod including all other disturbed areas and all planting beds)
  - Irrigation system shall include an automatic rain sensor.
  - All landscape materials shall be installed in accordance with the current planting procedures established by the most recent addition of the American Standard for Nursery Stock.
  - Trees planted per this plan shall be installed during the spring (march 15 through june 15) or fall (september 15 through december 1). Written city approval will be required for planting during other times of the year.
  - Stake and guy all trees per planting details.
  - Install all shrubs and groundcover per planting details.
  - Elevation of top of mulch shall be 1/2" below any adjacent pavement/turf areas.
  - Root stimulator shall be applied to the soil backfill of each plant during installation.
  - Contractor shall verify all landscape material quantities and shall report any discrepancies immediately to the Landscape Architect.
  - Contractor shall stake plant locations in the field and have approval by the Landscape Architect before proceeding with installation.
  - Contractor shall guarantee all plant material for a period of one (1) year from date of initial acceptance. Contractor is responsible for maintaining plant material until acceptance is received. Maintenance shall include watering, maintaining plants in vertical position and shrub bed weed control.
  - All plant material shall meet or exceed minimum requirements defined by the "American Standard for Nursery Stock" ANSI Z60.1.
  - No plant material shall be substituted without written approval of the Landscape Architect per specifications.
  - Trees and seasonal color areas shall be mulched with three (3) inches minimum shredded hardwood mulch. Planting beds as delineated shall be separated from pavement/turf areas with metal edging and mulched with three (3) inches minimum shredded hardwood mulch over weed barrier fabric, except where otherwise specified.
  - All existing plant material to be retained shall be wrapped with orange, or bright, colored plastic snow fence around base of trees and around all shrubs. Stake to hold in place during construction.
  - All shrubs used as parking buffer to be min. 18" tall at planting and maintained 3'-0" max. height. Install plants not to encroach upon cars parked, when at full growth.
  - All trees with above a 2" caliper shall be double staked, while smaller trees shall be single staked.
  - Ground mechanical and electrical equipment shall be wholly screened from street right-of-way and residential developments.
  - Maximum slope shall be not greater than 3 : 1.
  - All portions of site not covered by paving, mulch, plantings, etc. are to be sodded. Sod shall extend to all disturbed areas and shall include portions of right of way if necessary.

**Landscape Requirements**

Site Area: 77,112 sq. ft., 1.77 acres  
 Impervious Area: 44,187 sq. ft.  
 Coverage Ratio: 57%  
 Green Space: 32,925 sq. ft.  
 Coverage Ratio: 43%

Open Area  
 77,112 sq. ft. / 5,000 sq. ft. = 15.42 required trees and 16 trees provided  
 77,112 sq. ft. / 5,000 sq. ft. x 2 = 30.84 required shrubs and 32 shrubs provided

Street Frontage @ North  
 470 l.f. / 30' = 15.6 required trees and 16 trees provided  
 1 shrub per 20' = 23.5 required shrubs and 25 shrubs provided

100% screening along street frontage: required (12 shrubs per 40'-0") 263'40" = 6.6 6.6 x 12 = 79 shrubs required

Parking and Loading area:  
 5% of parking to be island: 26,900'.05=1,345 required  
 1,400 sq. ft. provided (5.2% provided) Islands to be sodded

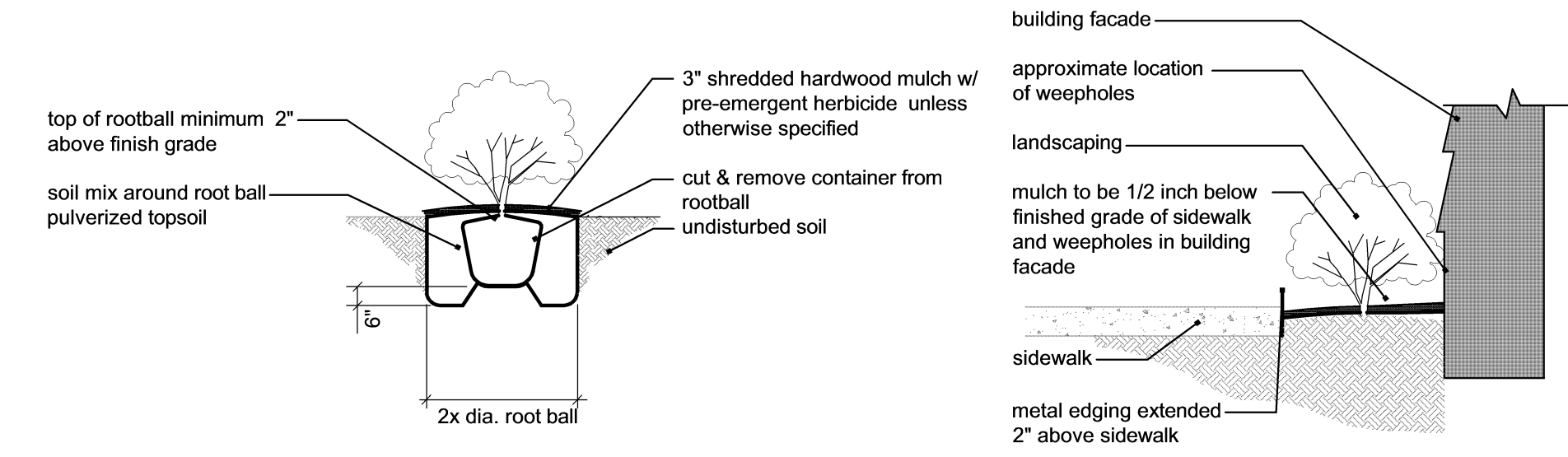
32 total trees required, 32 provided  
 111 total shrubs required, 112 provided

**Sod Note:**

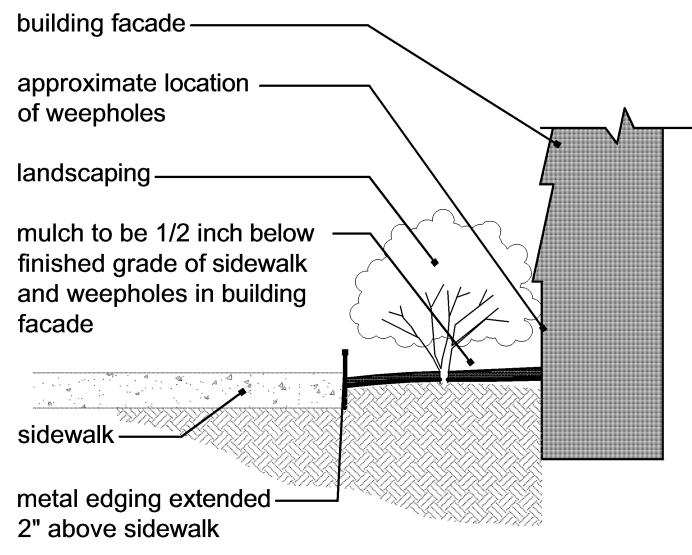
All disturbed turf areas shall be sodded.

**Tree Planting Note:**

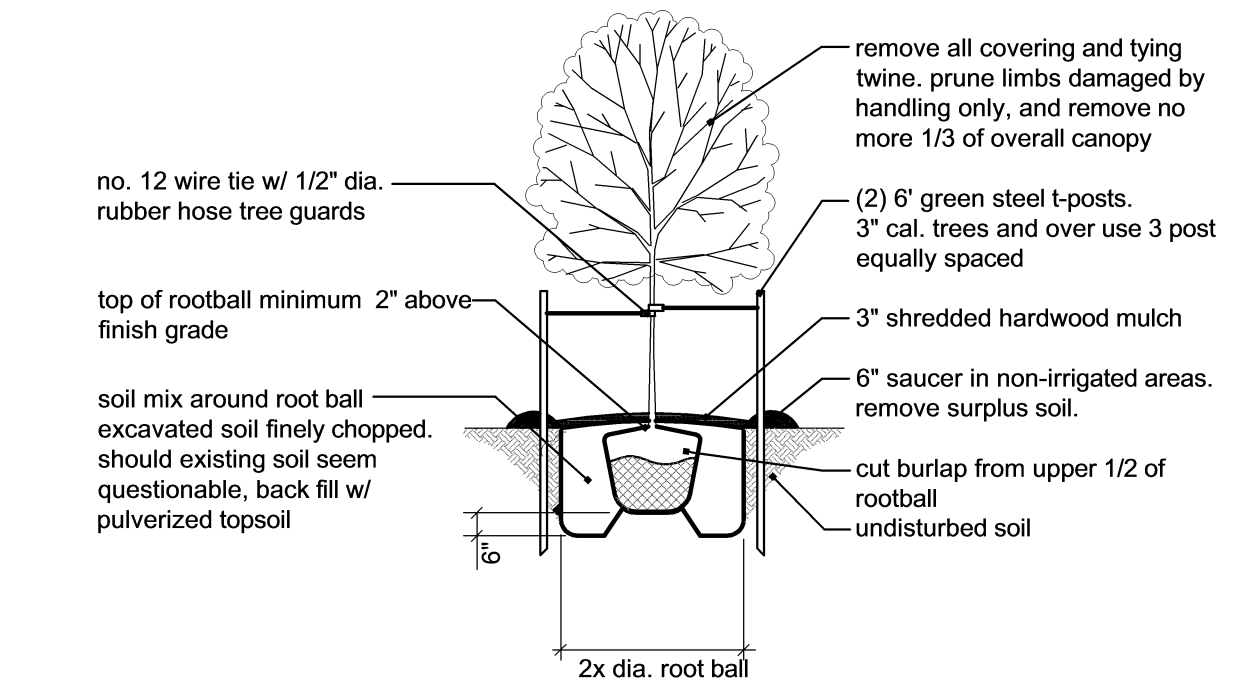
All trees shall be planted a minimum of 5' from the existing water line, as measured from the outside of the transmission main, to the outside of the tree trunk.



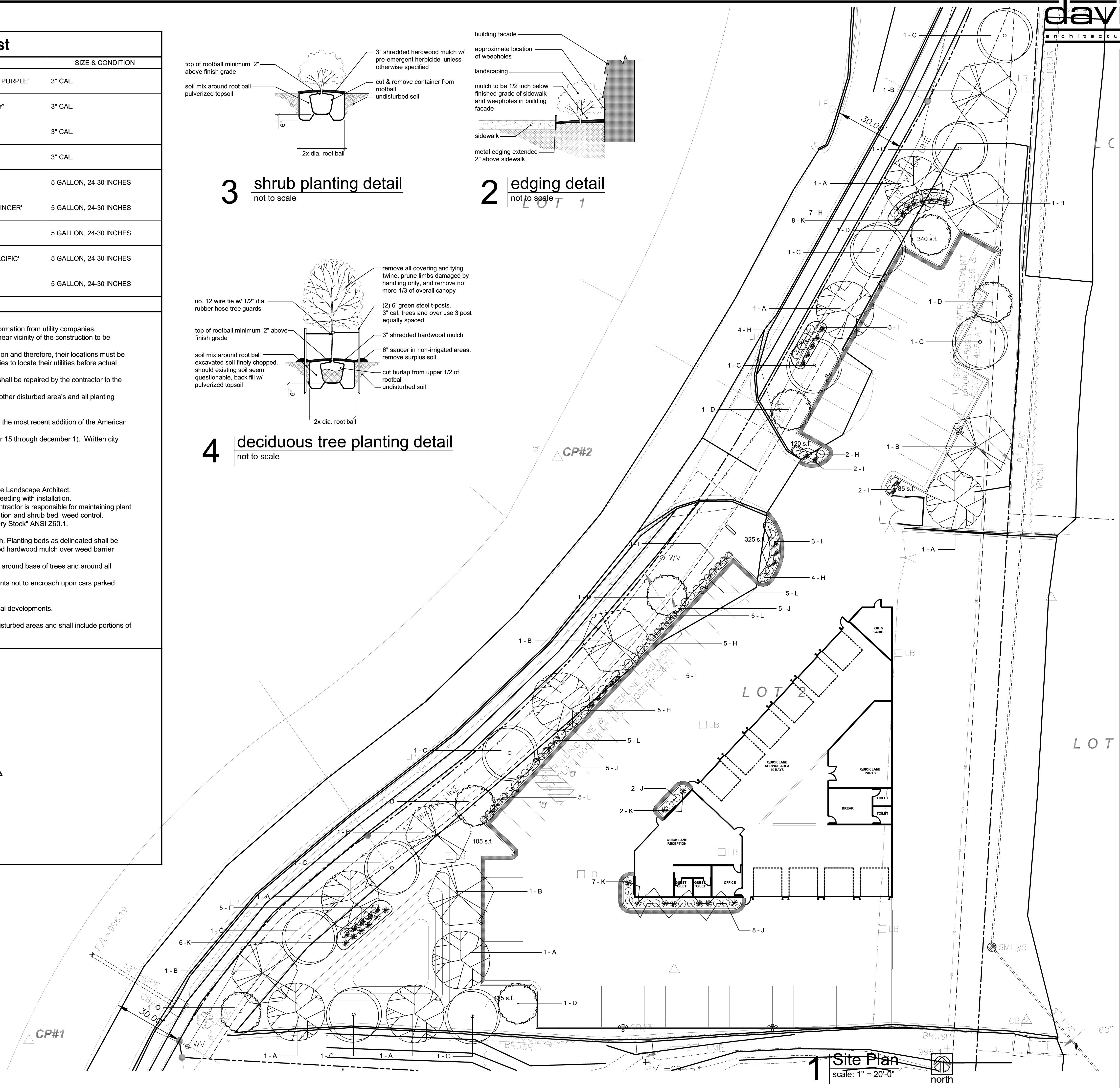
**3 shrub planting detail**  
not to scale



**2 edging detail**  
not to scale



**4 deciduous tree planting detail**  
not to scale



a proposed new facility for  
**Bob Sight Quick Lane**  
 NW Blue Parkway  
 Lee's Summit, MO

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