

PI	ROJECT N	lo.		YEAR	SHEET No.							
1	5A-R-058	4		2017	L1							
REVISIONS												
No.	DATE	BY		BRIEF DE	ESCRIPTION							

## NOTES:

- 1. SEE SHEET LO FOR LANDSCAPE NOTES. 2. ALL DISTURBED AREAS TO BE SODDED
- UNLESS OTHERWISE INDICATED. 3. SEE LANDSCAPE DETAILS AND PLANT

SCHEDULE ON SHEET L5.

4. REFER TO CIVIL DRAWINGS FOR ROADWAY INFORMATION.

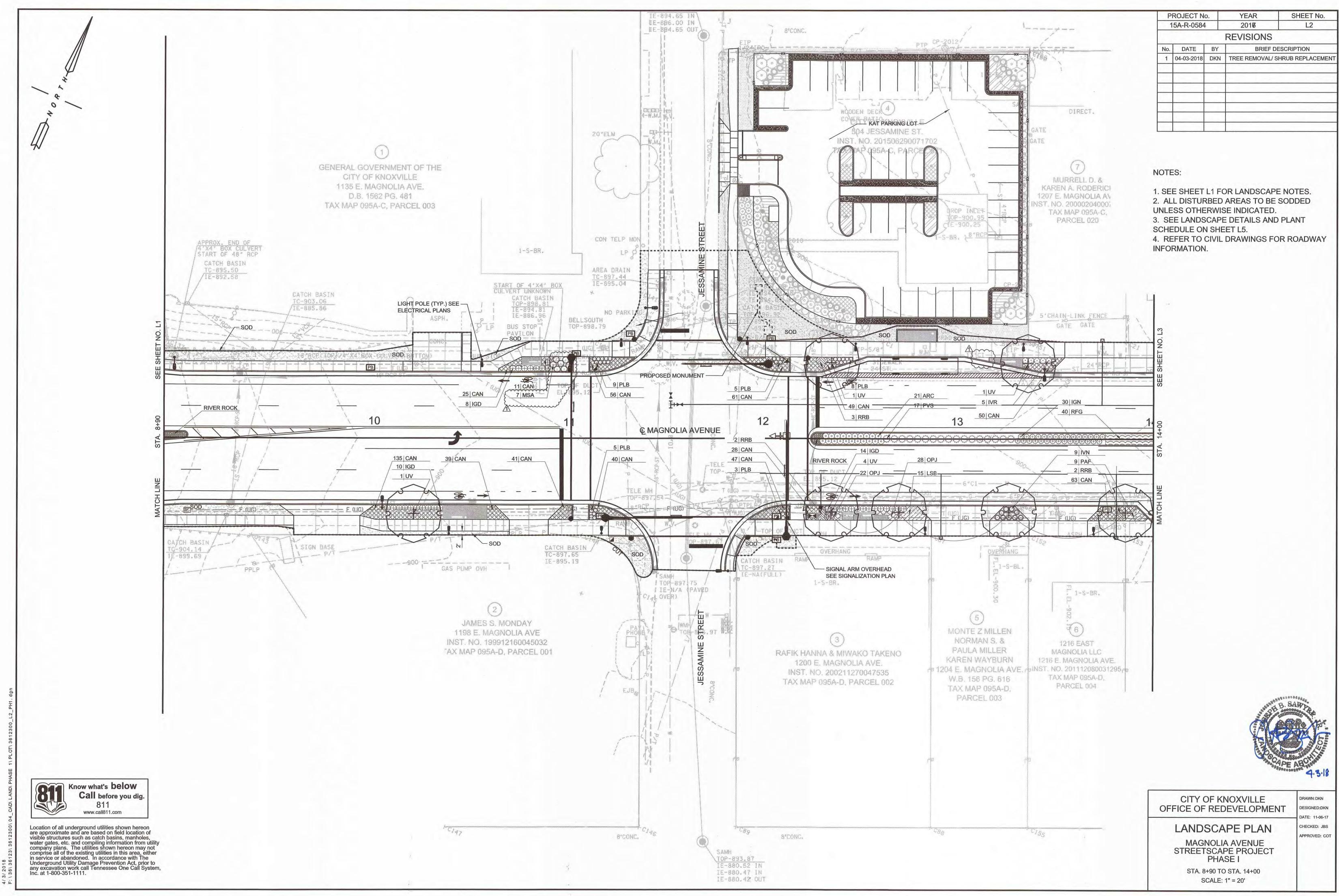


CITY OF KNOXVILLE OFFICE OF REDEVELOPMENT

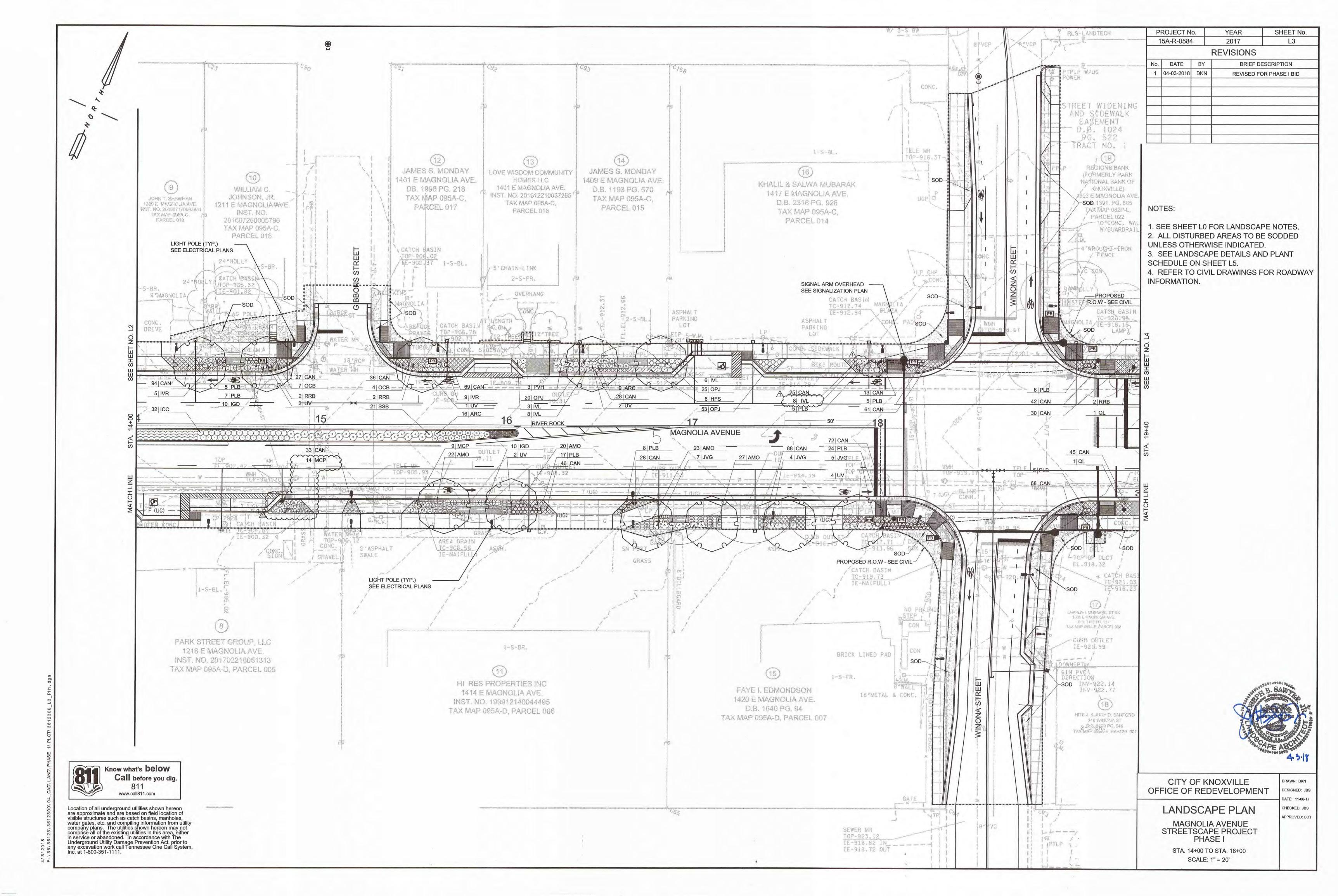
LANDSCAPE PLAN MAGNOLIA AVENUE STREETSCAPE PROJECT

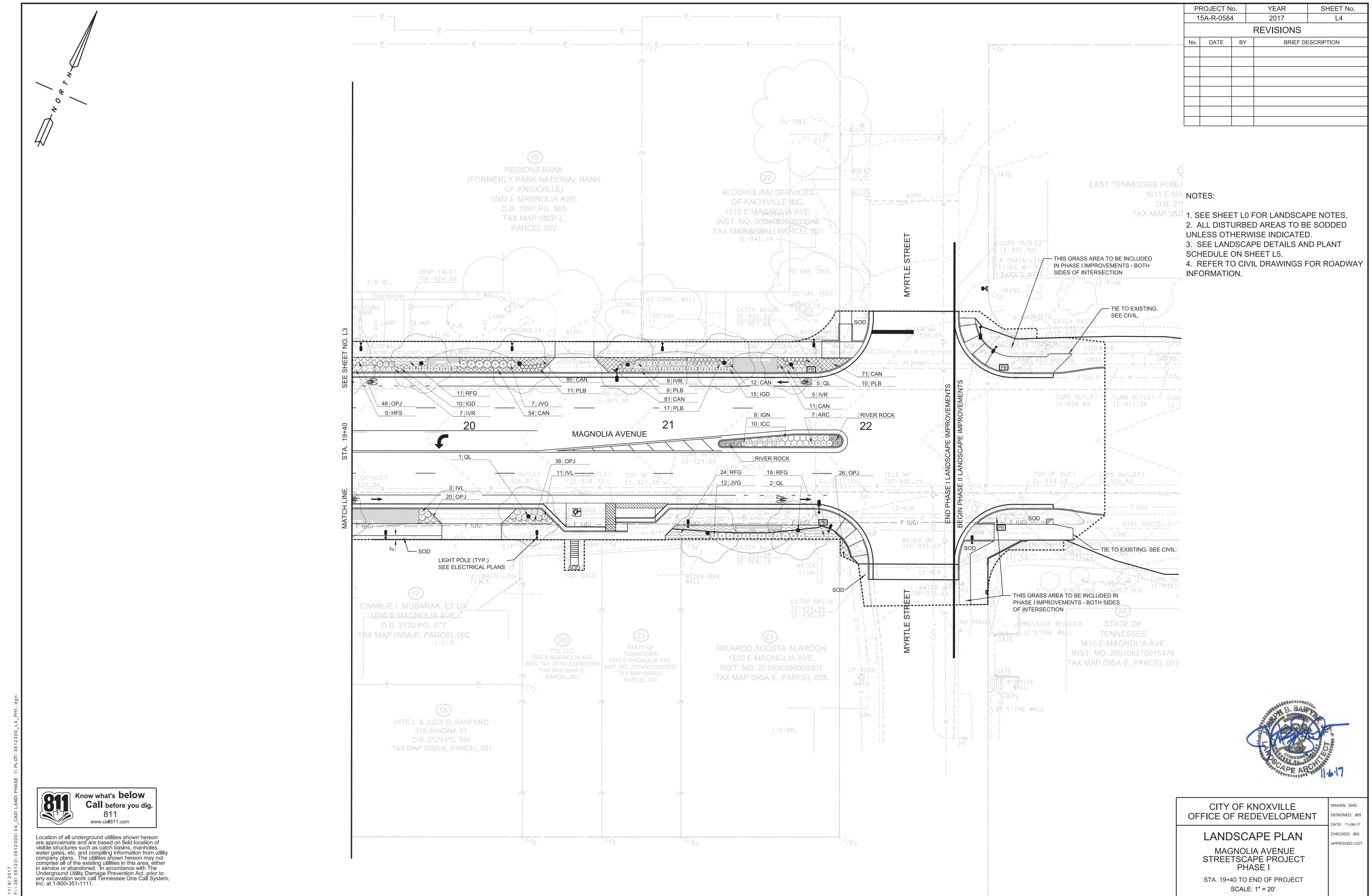
PHASE I BEGIN OF PROJECT TO STA. 8+90 SCALE: 1" = 20'

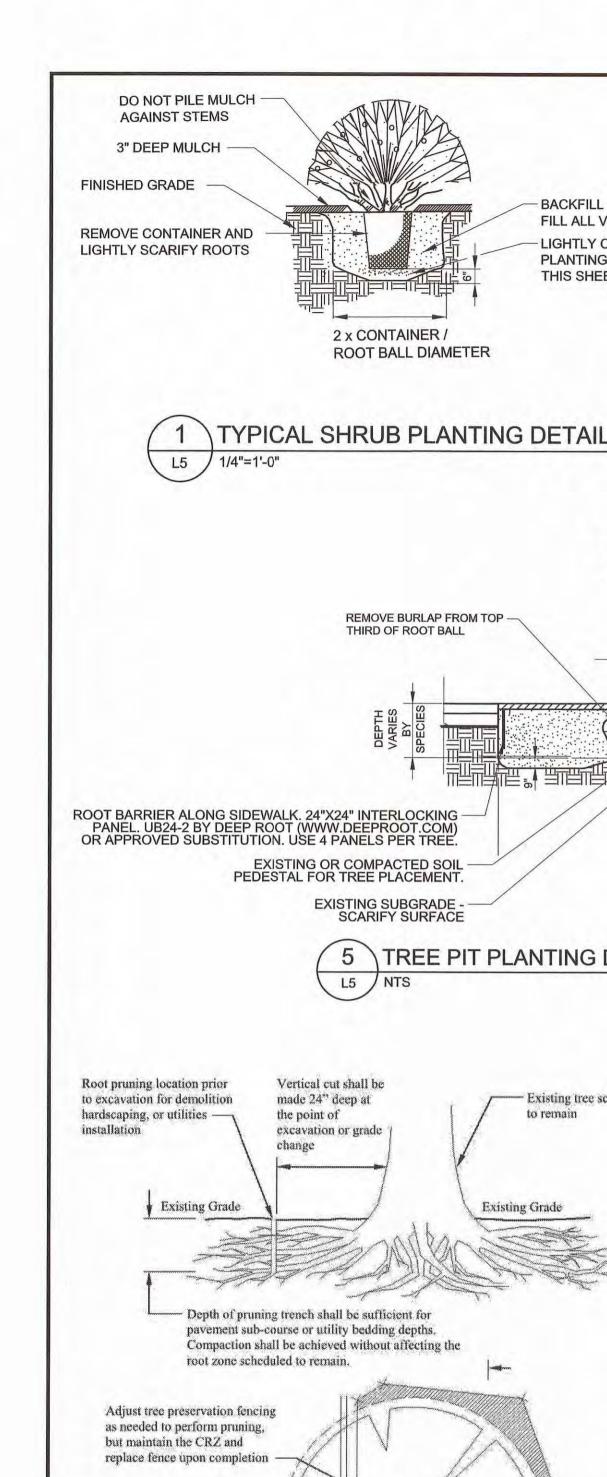
DESIGNED:DKN DATE: 11-06-17 CHECKED: JBS APPROVED: COT

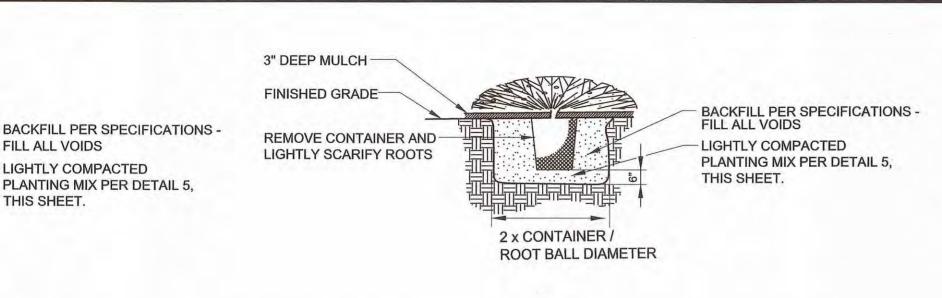


4/3/2018

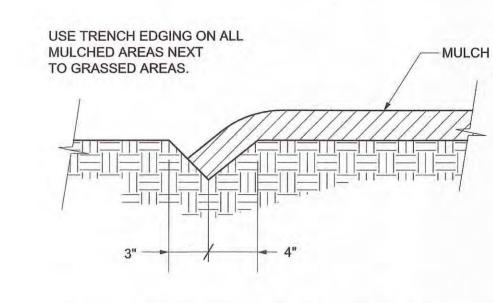








SPACING SPACING  $(\frac{1}{2} B)$ ROW SPACING A TO EQUAL PLANT SPACING B TO 6" O.C. 6" O.C. CREATE EQUILATERAL TRIANGLE. SPACING B TO 8" O.C. 8" O.C. BEGIN OFFSET AT HALF DISTANCE. 10" O.C. 10" O.C. 12" O.C. 12" O.C. SPACING B 7.5 " OFFSET DIST. EQUAL TO 1/2 SPACING B-18" O.C. 18" O.C. GROUNDCOVER **PLANTS** SPACING A 30" O.C. 42" O.C. 42" O.C. TRIANGLE / OFFSET SPACING 48" O.C.



15A-R-0584 2017 REVISIONS	L5		
	LO		
AND MANAGEMENT DESCRIPTION OF THE PROPERTY OF			
No. DATE BY BRIEF DESCRI	BRIEF DESCRIPTION REVISED FOR PHASE I BID		
1 04-03-2018 DKN REVISED FOR PH			

WEED BARRIER-TBD

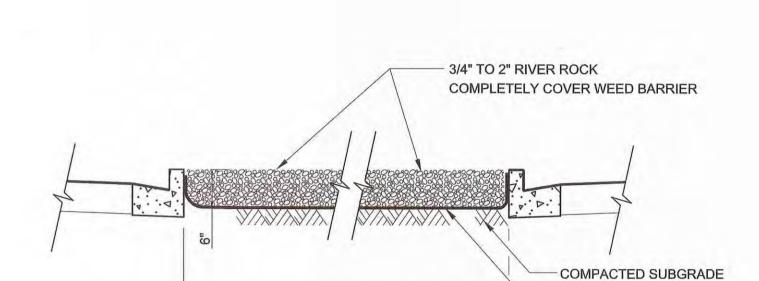
YEAR

PROJECT No.

SHEET No.

TYPICAL TRENCH EDGING DETAIL

PLANT OFFSET



WIDTH VARIES - SEE PLANS

RIVER ROCK @ MEDIANS

TYPICAL GROUNDCOVER PLANTING DETAIL BASE OF TREE TO BE MIN. OF 1" AND MAX OF 2" ABOVE FINISH GRADE. MIN. 3" DEEP HARDWOOD MULCH/ 1" DEEP WITHIN 9" OF TREE TRUNK SOIL BACKFILL- UTILIZE ALL EXISTING EXCAVATED SOIL. SUPPLEMENT WITH IMPORTED NON -SIFTED TOPSO COMPACT BACKFILL AT 1/4 AND 3/3 DEPTH BY WALKING ON ENTIRE BACKFILL SURFACE. ADD 2 BAGS OF JOHN DEERE LANDSCAPE MIX (OR APPROVED SUBSTITUTION) PER 1 CY. OF PLANTING SOIL. ADD 6 OZ. MYCORRHIZAL FUNGI TO PLANTING MIX. TRENCH ALONG BOTH SIDES OF TREE PIT. FILL WITH PLANTING SOIL MIX.

5 TREE PIT PLANTING DETAIL - ACROSS PLANTER

FILL ALL VOIDS

THIS SHEET.

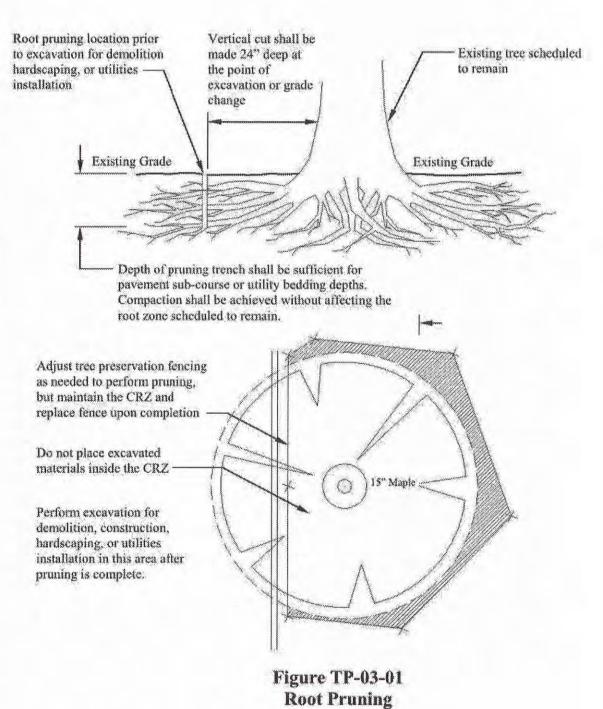
LIGHTLY COMPACTED

PLANTING MIX PER DETAIL 5,

4'-0" BASE OF TREE TO BE MIN. OF 1" AND REMOVE BURLAP FROM TOP -MAX OF 2" ABOVE FINISH GRADE. THIRD OF ROOT BALL - MIN. 3" DEEP HARDWOOD MULCH/ 1" DEEP WITHIN 9" OF TREE TRUNK SOIL BACKFILL- UTILIZE ALL EXISTING EXCAVATED SOIL. SUPPLEMENT WITH IMPORTED NON -SIFTED TOPSO! COMPACT BACKFILL AT 1/4 AND 3/3 DEPTH BY WALKING ON ENTIRE BACKFILL SURFACE. ADD 2 BAGS OF JOHN DEERE LANDSCAPE MIX (OR APPROVED SUBSTITUTION) PER 1 CY. OF PLANTING SOIL. ADD 6 OZ. MYCORRHIZAL FUNGI TO PLANTING MIX. ROOT BARRIER BEYOND - TRENCH ALONG BOTH SIDES OF TREE PIT. FILL WITH PLANTING SOIL MIX. EXISTING OR COMPACTED SOIL PEDESTAL FOR TREE PLACEMENT. **EXISTING SUBGRADE - SCARIFY SURFACE -**

3 TYPICAL PLANT SPACING DETAIL

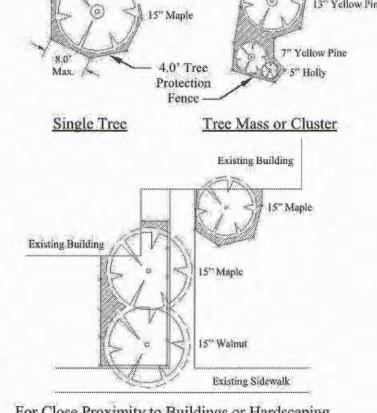
TREE PIT PLANTING DETAIL - PARALLEL TO CURB L5



Place tree protection fencing at the outer limits of the critical root zone (CRZ). The CRZ is established at a distance of 1.0' in radius measured per 1" of tree trunk diameter at breast height (DBH - measured at 4.5' above existing grade). Install the tree protection fencing radially along the CRZ as shown in the elevation and plan view - Fence height shall be a drawing. For example: A 15" DBH tree would have a 15.0' tree protection fence spaced at an 8.0'-10.0" radius installed around the tree. maximum. Fluorescent orange safety Metal posts shall be anchored barrier fence or chain link securely at a minimum of 2.0' below existing grade.



- 1. Fence shall be installed prior to the start of any demolition, clearing, grading or any other demolition or construction activity. Installation shall be monitored by the Designer with final inspection and approval by the Urban Forester before commencement of any activities.
- 2. Tree protection fence shall be a minimum of 4.0' tall and constructed of orange safety fabric or chainlink. Fence shall be mounted on metal stakes or vertical pipes driven 2.0' in the ground, at a maximum of 8.0' on center for safety fence or 10.0' for chainlink.
- 3. No storage or construction activity of any kind may take place within the tree protection zone.
- 4. Contractor shall monitor and maintain tree protection fencing throughout the duration of the



Root Zone -

For Close Proximity to Buildings or Hardscaping

Figure TP-02-01 Tree Preservation Fencing

## Root Pruning Notes:

- 1. Vertical cut shall be made at the limit of grading or excavation.
- 2. Contractor shall use a rock saw, vibratory plow, cable puller, or similar mechanical device, or a sharpened shovel or spade and hand pruners if done manually.
- 3. Contractor shall have the blade sharpened on mechanical root pruners prior to the start of the
- 4. Contractor shall, upon completion of the cut, immediately backfill the cut with soil, avoiding any voids. Construction fencing shall be installed no closer to the trunk of the tree than the location where the root pruning took place.
- 5. All root pruning within the CRZ must be approved by the Urban Forester or Designer.

Tree Protection Fencing Notes:

- 1. Work shall be performed by hand in the CRZ, or by equipment that is positioned outside of
- 2. Direct construction or demolition activity and debris removal away from trees in such a manner that does not enter the CRZ, damage the tree structurally, or remove foliage.

REES	QTY	BOTANICAL NAME	COMMON NAME	CONDITION	SPACING	REMARKS
	10	Quercus lyrata `Highbeam`	Highbeam Overcup Oak	B & B	As Shown	Matched, Straight trunk, Full canopy
JV	18	Ulmus americana 'Princeton'	American Elm	B&B	As Shown	Matched, Straight Trunk, Full Canopy
			·······································	······	m	
SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	CONTAINER	SPACING	REMARKS
ARC	91	Abelia x grandiflora 'Rose Creek'	Rose Creek Abelia	3 gal	36" O.C.	Full in Container, Well Rooted in Pot
CC	72	Ilex cornuta 'Carissa'	Carissa Holly	3 gal	36" O.C.	Full in Container, Well Rooted in Pot,
GD	77	llex glabra 'Densa'	Inkberry Holly	3 gal	36" O.C.	Full in Container, Well Rooted in Pot
GN	38	llex glabra `Nigra`	Nigra Inkberry	3 gal	36" O.C.	Full in Container, Well Rooted in Pot
VR	40	llex verticillata 'Red Sprite'	Red Sprite Winterberry	3 gal	36" O.C.	Full in Container, Well Rooted in Pot
X4	200	llex vomitoria 'Nana'	Dwarf Yaupon Holly	3 gal	36" QC	Full in Container, Well Rooted in Pot
VL	39	Itea virginica `Little Henry` TM	Virginia Sweetspire	3 gal	36" O.C.	Full in Container, Well Rooted in Pot
MG	35	Juniperus virginiana Grey OWI	Eastern Redcedar	5 gal	48 O.C.	Full in Container, Well Rooted in Por
4\$A	7	Miscanthus sinensis 'Adagio'	Adagio Eulalia Grass	3 gal	42" O.C	Full in Container, Well Rooted in Pot
MCP	23	Muhlenbergia capillaris	Pink Muhly	3 gal	36" O.C.	Full in Container, Well Rooted in Pot
NH THE TABLE	3	Panicum virgatum `Heavy Metal`	Blue Switch Grass	3 gal	48" O.C.	Full in Container, Well Rooted in Pot
PVS	17	Panicum virgatum 'Shenendoah'	Shenendoah Switch Grass	3 gal	48" O.C.	Full in Container, Well Rooted in Pot
PLB	159	Pennisetum alopecuroides `Little Bunny`	Little Bunny Fountain Grass	1 gal	24" O.C.	Full in Container, Well Rooted in Pot
SSB	41	Sorghastrum nutans 'Sioux Blue'	Blue Indian Grass	3 gal	48" O.C.	Full in Container, Well Rooted in Pot
GROUND COVERS/ HERBS/ PERENNIALS	QTY	BOTANICAL NAME	COMMON NAME	CONTAINER	SPACING	REMARKS
4MO	92	Achillea millefolium 'Oertel's Rose'	Oertel's Rose Yarrow	1 gal	24" O.C.	Full in Container, Well Rooted in Pot
CAN	1,759	Coreopsis auriculata 'Nana'	Mouse-Eared Tickseed	1 gal	15" O.C.	Full in Container, Well Rooted in Pot
FFS	11	Hypericum frondosum Sunburst	Sunburst Hypericum	3 gal	42" O.C.	Full in Container, Well Rooted in Pot
SB	15	Leucanthemum maximum 'Becky'	Shasta Daisy	3 gal	30" O.C.	Full in Container, Well Rooted in Pot
OCB	11	Ocimum basilicum	Sweet Basil	1 gal	18" O.C.	Full in Container, Well Rooted in Pot
OPJ	280	Ophiopogon japonicus	Mondo Grass	4"pot	15" O.C.	Full in Container, Well Rooted in Pot
PTG	15	Pachysandra terminalis "Green Sheen"	Japanese Spurge	4"pot	18" O.C.	Full in Container, Well Rooted in Pot
PAF	9	Perovskia atriplicifolia `Filigran`	Russian Sage	1 gal	30" O.C.	Full in Container, Well Rooted In Pot
RRB	13	Rosmarinus officinalis 'Roman Beauty'	Roman Beauty Rosemary	3 gal	42" O.C.	Full in Container, Well Rooted in Pot
RFG	93	Rudbeckia fulgida sullivantii 'Goldsturm'	Black-eyed Susan	3 gal	36" O.C.	Full in Container, Well Rooted in Pot
				1		
SOD/SEED	QTY_	BOTANICAL NAME	COMMON NAME	CONTAINER	SPACING	REMARKS
R	8 844 cf	Festuca arundinacea `Rebel II`	Tall Fescue	im	$\sim$	See Sod Notes for Specifications

10 PHASE 1 PLANT SCHEDULE L5 NTS

> CITY OF KNOXVILLE OFFICE OF REDEVELOPMENT

> > LANDSCAPE DETAILS MAGNOLIA AVENUE

STREETSCAPE PROJECT PHASE I

DRAWN: DKN

DESIGNED: JBS

DATE: 11-06-17

HECKED: JBS APPROVED: COT

8 ROOT PRUNING DETAIL (PER CITY OF KNOXVILLE) L5 NTS

TREE PROTECTION FENCING DETAIL (PER CITY OF KNOXVILLE)