

PLANT SCHEDULE

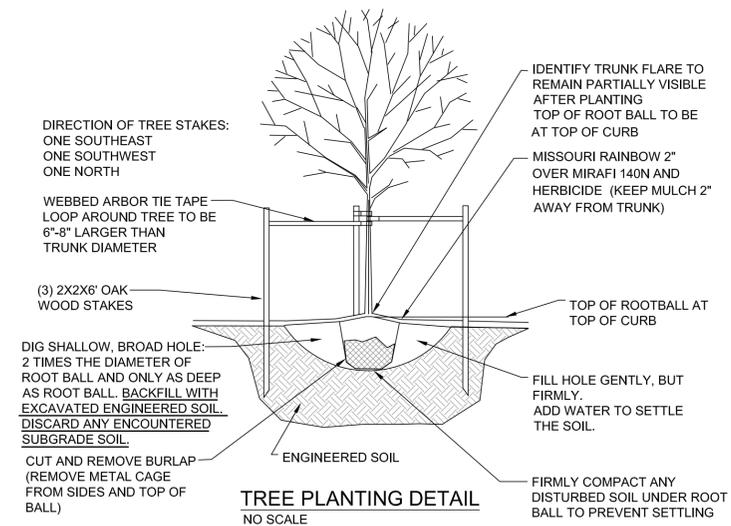
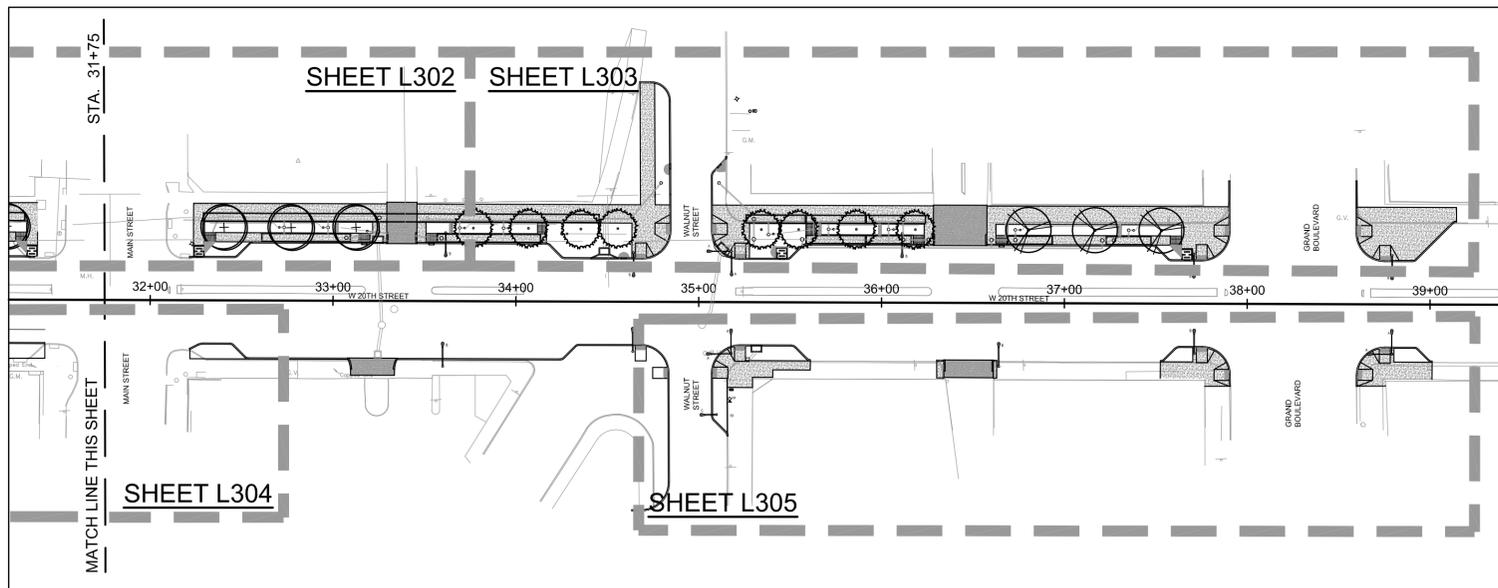
TREES	QTY	BOTANICAL NAME / COMMON NAME	CONT	CAL
	6	Nyssa sylvatica / Black Gum	B & B	2.5" Cal
	7	Quercus bicolor / Swamp White Oak	B & B	2.5" Cal
	17	Taxodium distichum imbricarium / Pond Cypress	B & B	2.5" Cal

CONSTRUCTION NOTES

- FOR GENERAL LANDSCAPE NOTES AND ADDITIONAL DETAILS, REFER TO SHEET L305.
- INSTALL RIVER JACKS (4'-6" & 6'-8") OVER NON-WOVEN SOIL SEPARATOR UNDER ALL PEDESTRIAN BRIDGES
- FOR PLACEMENT OF ENGINEERED SOIL IN BEDS SEE CIVIL DETAIL SHEETS

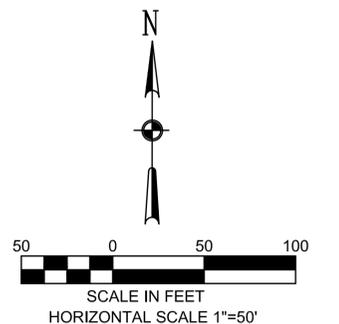
LEGEND:

PROPOSED STREET LIGHTING, SEE LIGHTING PLANS



LEGEND:

PROPOSED STREET LIGHTING, SEE LIGHTING PLANS



UTILITY NOTE:

UTILITIES SHOWN ON PLAN ARE DIAGRAMATIC AND SOME MAY BE MISSING. BEFORE STARTING ANY CONSTRUCTION CALL APPROPRIATE LOCATING SERVICE. IN MISSOURI CALL 1-800-DIG-RITE (344-7483)

DATE	REVISIONS AND RECORD OF ISSUE	NO.	BY	CHK	APP

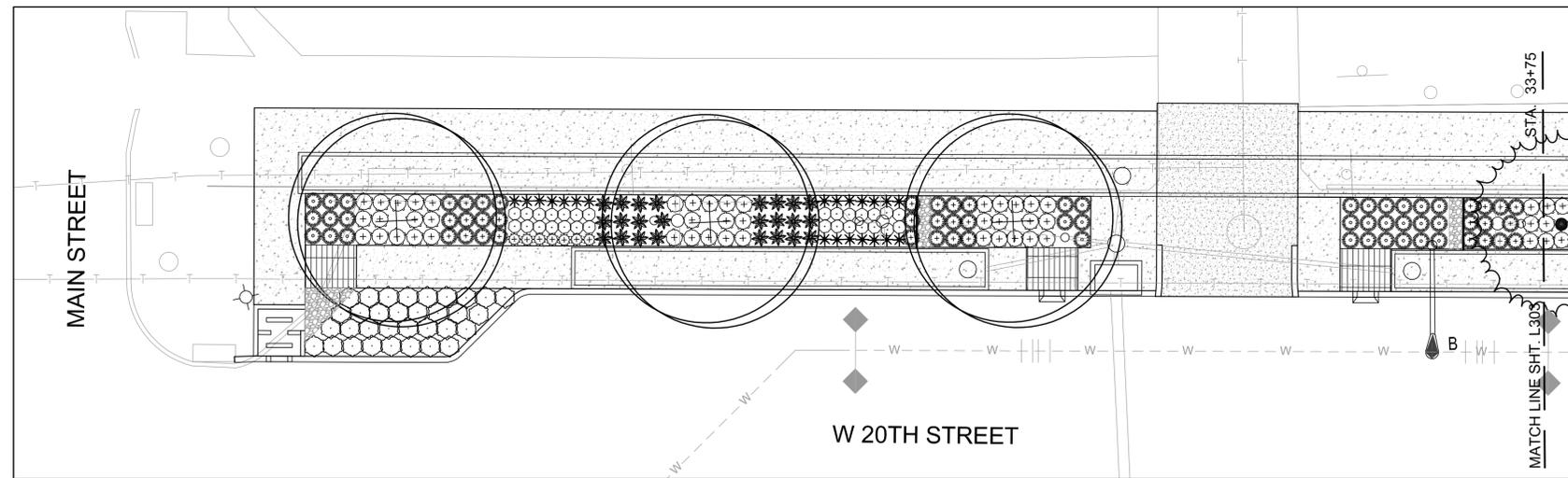
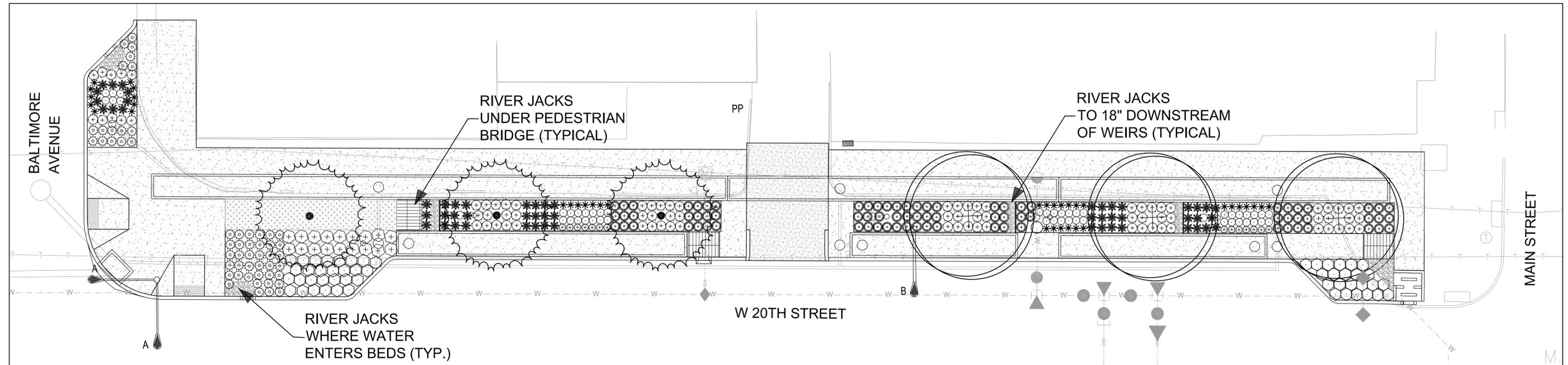
T & B Project No. 54-0960	File Name: LANDSCAPE.DWG
DESIGNED BY: PAO DRAWN BY: PAO CHECKED BY: MB	DATE OF ORIGINAL ISSUE: April 11, 2016
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEARS ON THIS SHEET ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) ANY RESPONSIBILITY OF ALL OTHER PLANS, SPECIFICATIONS, ESTIMATES, REPORTS OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.	



Taliaferro & Browne, Inc.
Civil / Structural Engineering,
Landscape Architecture & Surveying
1020 E. 8th STREET
KANSAS CITY, MISSOURI 64106
PH (816) 283-3456 FAX (816) 283-0810
PROFESSIONAL ENGINEERING CORPORATION
MISSOURI LICENSE NO. 000466 KANSAS LICENSE NO. E-1481
PROFESSIONAL LAND SURVEYING CORPORATION
MISSOURI LICENSE NO. 000094

**20TH STREET
STREETSCAPE**
CITY OF KANSAS CITY, MISSOURI
TREE PLAN AND SHRUB KEY SHEET
STA. 23+50-39+00

Leonard J. Graham
Engineer
License No.:
PE-18801
DWG NO.:
L300



- CONSTRUCTION NOTES**
- FOR GENERAL LANDSCAPE NOTES AND ADDITIONAL DETAILS, REFER TO SHEET L305.
 - INSTALL RIVER JACKS (4'-6" & 6'-8") OVER NON-WOVEN SOIL SEPARATOR UNDER ALL PEDESTRIAN BRIDGES
 - FOR PLACEMENT OF ENGINEERED SOIL IN BEDS SEE CIVIL DETAIL SHEETS



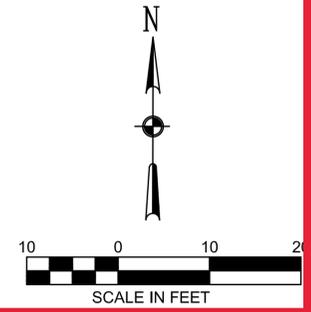
PLANT SCHEDULE [Refer to L305 for plant container sizes](#)

SHRUBS	BOTANICAL NAME / COMMON NAME	TREES	BOTANICAL NAME / COMMON NAME
	<i>Hypericum kalmianum</i> 'Blue Velvet' / Kalm St. Johnswort 18"-24" hgt. & sp.		<i>Nyssa sylvatica</i> / Black Gum
	<i>Itea virginica</i> 'Little Henry' TM / Virginia Sweetspire 18"-24" hgt. & sp.		<i>Quercus bicolor</i> / Swamp White Oak
	<i>Physocarpus opulifolius</i> 'Little Devil' TM / Dwarf Ninebark 18"-24" hgt. & sp.		<i>Taxodium distichum imbricarium</i> / Pond Cypress
ANNUALS/PERENNIALS	BOTANICAL NAME / COMMON NAME		Note: Trees symbols not to scale in plant schedule.
	<i>Sedum spectabile</i> 'Brilliant' / Brilliant Stonecrop 9"-12" hgt. & sp.		
	<i>Stokesia laevis</i> 'Peachie's Pick' / Stokes' Aster 9"-12" hgt. & sp.		
GRASSES & PERENNIALS	BOTANICAL NAME / COMMON NAME		
	<i>Calamagrostis acutiflora</i> 'Karl Foerster' / Feather Reed Grass 24"-30" hgt.		
	<i>Panicum virgatum</i> 'Heavy Metal' / Blue Switch Grass 15"-18" hgt.		
	<i>Panicum virgatum</i> 'Shenandoah' / Burgundy Switch Grass 15"-18" hgt.		
	<i>Pennisetum alopecuroides</i> 'Hamel' / Hamel Dwarf Fountain Grass 15"-18" hgt. & sp.		
	<i>Sporobolus heterolepis</i> / Prairie Dropseed 15"-18" hgt.		
GROUND COVERS	BOTANICAL NAME / COMMON NAME		
	<i>Carex pensylvanica</i> / Pennsylvania Sedge 12" o.c. in triangle pattern		
	<i>Liriope spicata</i> / Creeping Lily Turf 12" o.c. in triangle pattern		

Use *Itea virginica* 'Little Henry' 18" to 24" hgt. & sp. instead

Use *Sporobolus heterolepis* 15"-18" hgt. & sp. instead; pre-purchase plants at nursery for spring install by Green Stewards

Pre-purchase plants at nursery for spring install by Green Stewards



See sheet L305 for shrub sizes and quantities.

C:\Company_Data\PROJECTS\2015\15-036\LANDSCAPE.dwg Apr 11, 2016 12:34pm

DATE	REVISIONS AND RECORD OF ISSUE	NO.	BY	CHK	APP

T & B Project No. 54-0960	File Name: LANDSCAPE.DWG
DESIGNED BY: PAO DRAWN BY: PAO CHECKED BY: MB	DATE OF ORIGINAL ISSUE: October 26, 2015
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEARS ON THIS SHEET ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RDMO) ANY RESPONSIBILITY OF ALL OTHER PLANS, SPECIFICATIONS, ESTIMATES, REPORTS OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.	



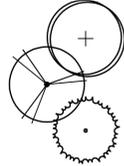
Taliaferro & Browne, Inc.
Civil / Structural Engineering,
Landscape Architecture & Surveying
1020 E. 8th STREET
KANSAS CITY, MISSOURI 64106
PH (816) 283-3456 FAX (816) 283-0810
PROFESSIONAL ENGINEERING CORPORATION
MISSOURI LICENSE NO. 000466 KANSAS LICENSE NO. E-1481
PROFESSIONAL LAND SURVEYING CORPORATION
MISSOURI LICENSE NO. 000094

**20TH STREET
STREETSCAPE**
CITY OF KANSAS CITY, MISSOURI
SHRUB PLAN NORTH SIDE
STA. 29+00-33+75

Leonard J. Graham
Engineer
License No.:
PE-18801
DWG NO.:
L302

PLANT SCHEDULE

TREES



BOTANICAL NAME / COMMON NAME

- Nyssa sylvatica / Black Gum
- Quercus bicolor / Swamp White Oak
- Taxodium distichum imbricarium / Pond Cypress

Note: Trees symbols not to scale in plant schedule.

PLANT SCHEDULE

SHRUBS

- Hypericum kalmianum 'Blue Velvet' / Kalm St. Johnswort
18"-24" hgt. & sp.
- Itea virginica 'Little Henry' TM / Virginia Sweetspire
18"-24" hgt. & sp.
- Physocarpus opulifolius 'Little Devil' TM / Dwarf Ninebark
18"-24" hgt. & sp.

ANNUALS/PERENNIALS

- Sedum spectabile 'Brilliant' / Brilliant Stonecrop
9"-12" hgt. & sp.
- Stokesia laevis 'Peachie's Pick' / Stokes' Aster
9"-12" hgt. & sp.

GRASSES & PERENNIALS

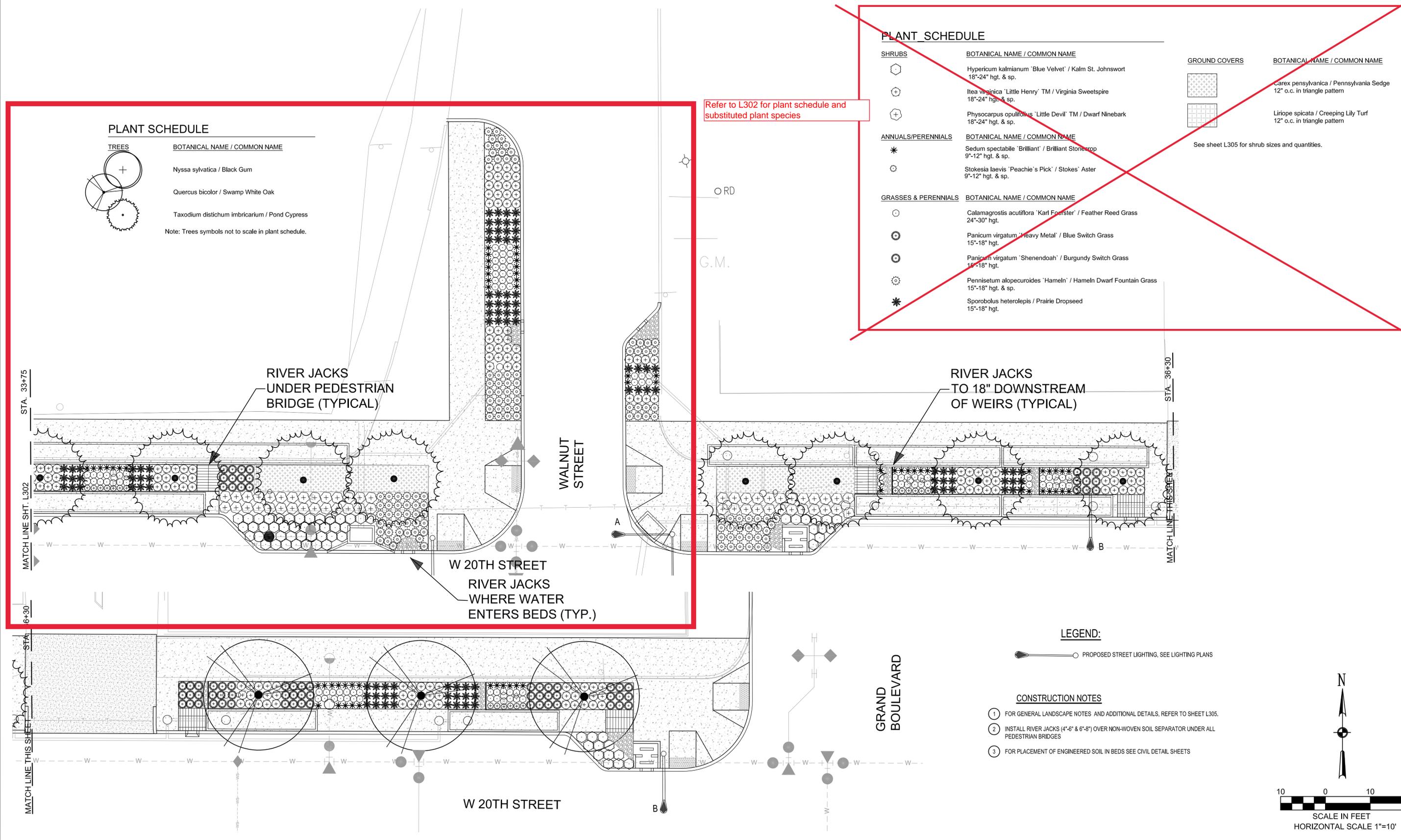
- Calamagrostis acutiflora 'Karl Foerster' / Feather Reed Grass
24"-30" hgt.
- Panicum virgatum 'Heavy Metal' / Blue Switch Grass
15"-18" hgt.
- Panicum virgatum 'Shenendoah' / Burgundy Switch Grass
15"-18" hgt.
- Pennisetum alopecuroides 'Hameln' / Hameln Dwarf Fountain Grass
15"-18" hgt. & sp.
- Sporobolus heterolepis / Prairie Dropseed
15"-18" hgt.

GROUND COVERS

- Carex pensylvanica / Pennsylvania Sedge
12" o.c. in triangle pattern
- Liriope spicata / Creeping Lily Turf
12" o.c. in triangle pattern

See sheet L305 for shrub sizes and quantities.

Refer to L302 for plant schedule and substituted plant species

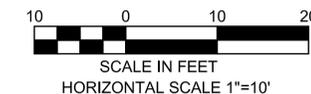


LEGEND:

- PROPOSED STREET LIGHTING, SEE LIGHTING PLANS

CONSTRUCTION NOTES

- 1 FOR GENERAL LANDSCAPE NOTES AND ADDITIONAL DETAILS, REFER TO SHEET L305.
- 2 INSTALL RIVER JACKS (4'-6" & 6'-8") OVER NON-WOVEN SOIL SEPARATOR UNDER ALL PEDESTRIAN BRIDGES
- 3 FOR PLACEMENT OF ENGINEERED SOIL IN BEDS SEE CIVIL DETAIL SHEETS



T & B Project No. 54-0960	File Name: LANDSCAPE.DWG
DESIGNED BY: PAO DRAWN BY: PAO CHECKED BY: MB	DATE OF ORIGINAL ISSUE: October 26, 2015
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEARS ON THIS SHEET ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RDMO) ANY RESPONSIBILITY OF ALL OTHER PLANS, SPECIFICATIONS, ESTIMATES, REPORTS OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.	



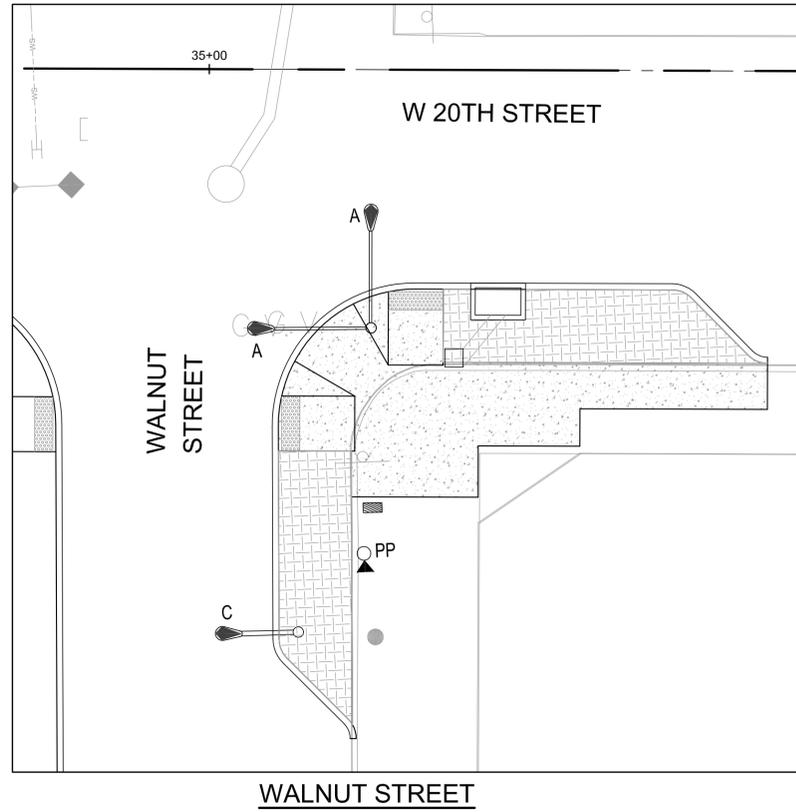
Taliaferro & Browne, Inc.
Civil / Structural Engineering,
Landscape Architecture & Surveying
1020 E. 8th STREET
KANSAS CITY, MISSOURI 64106
PH (816) 283-3456 FAX (816) 283-0810
PROFESSIONAL ENGINEERING CORPORATION
MISSOURI LICENSE NO. 000466 KANSAS LICENSE NO. E-1481
PROFESSIONAL LAND SURVEYING CORPORATION
MISSOURI LICENSE NO. 000094

**20TH STREET
STREETSCAPE**
CITY OF KANSAS CITY, MISSOURI
SHRUB PLAN NORTH SIDE
STA. 33+75-39+00

Leonard J. Graham
Engineer
License No.:
PE-18801
DWG NO.:
L303

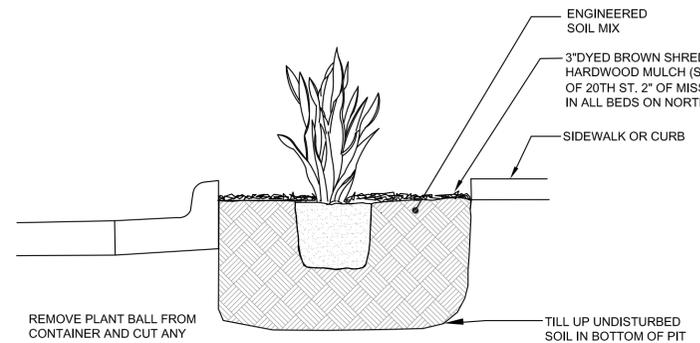
C:\Company_Data\PROJECTS\2015\15-036\LANDSCAPE.dwg Apr 11, 2016 - 12:34pm

DATE	REVISIONS AND RECORD OF ISSUE	NO.	BY	CHK	APP
------	-------------------------------	-----	----	-----	-----



LEGEND:

○ PROPOSED STREET LIGHTING, SEE LIGHTING PLANS



CONTAINER PLANTING DETAIL
NO SCALE

REMOVE PLANT BALL FROM CONTAINER AND CUT ANY ENCIRCLING ROOTS. IF ROOT BOUND REMOVE ANY ROOTS FROM OUTSIDE OF SOIL BALL.

TILL UP UNDISTURBED SOIL IN BOTTOM OF PIT

PLANT SCHEDULE

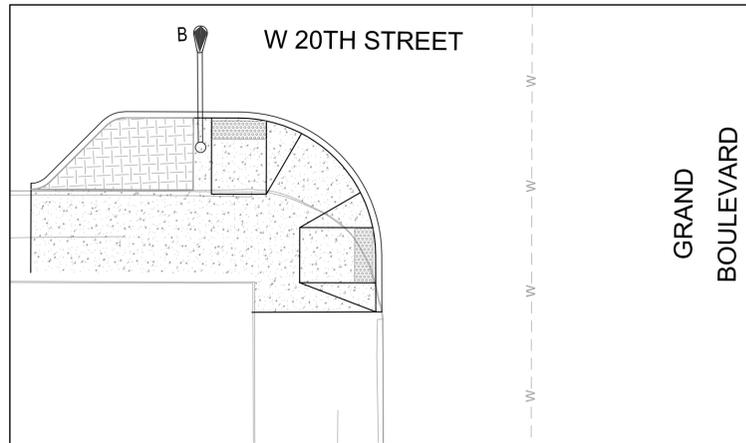
SHRUBS	QTY	BOTANICAL NAME / COMMON NAME	CONT
	255	Hypericum kalmianum 'Blue Velvet' / Kalm St. Johnswort 18"-24" hgt. & sp.	5 gal
	374	Itea virginica 'Little Henry' TM / Virginia Sweetspire 18"-24" hgt. & sp.	5 gal
	134	Physocarpus opulifolius 'Little Devil' TM / Dwarf Ninebark 18"-24" hgt. & sp.	5 gal
ANNUALS/PERENNIALS	QTY	BOTANICAL NAME / COMMON NAME	CONT
	191	Sedum spectabile 'Brilliant' / Brilliant Stonecrop 9"-12" hgt. & sp.	1 gal
	54	Stokesia laevis 'Peachie's Pick' / Stokes' Aster 9"-12" hgt. & sp.	1 gal
GRASSES & PERENNIALS	QTY	BOTANICAL NAME / COMMON NAME	CONT
	248	Calamagrostis acutiflora 'Karl Foerster' / Feather Reed Grass 24"-30" hgt.	3 gal
	221	Panicum virgatum 'Heavy Metal' / Blue Switch Grass 15"-18" hgt.	2 gal
	82	Panicum virgatum 'Shenendoah' / Burgundy Switch Grass 15"-18" hgt.	2 gal
	327	Pennisetum alopecuroides 'Hameln' / Hameln Dwarf Fountain Grass 15"-18" hgt. & sp.	2 gal
	257	Sporobolus heterolepis / Prairie Dropseed 15"-18" hgt.	2 gal
GROUND COVERS	QTY	BOTANICAL NAME / COMMON NAME	CONT
	1,334	Carex pensylvanica / Pennsylvania Sedge 12" o.c. in triangle pattern	1 gal
	2,455	Liriope spicata / Creeping Lily Turf 12" o.c. in triangle pattern	1 gal

GENERAL LANDSCAPE NOTES

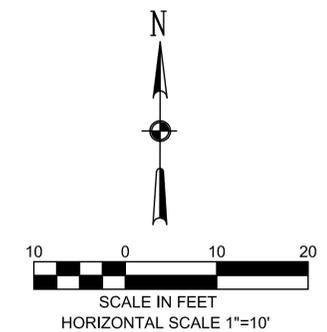
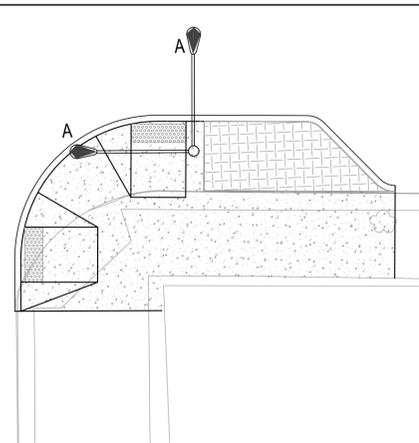
- Contractor shall verify the existence and location of all utilities before starting any work.
- Contractor shall verify all landscape material quantities and shall report any discrepancies to the Owner prior to installation.
- Contractor shall make no substitutions without the approval of the Owner.
- Contractor shall stake layout plan in the field and shall have the layout approved by the Owner before proceeding with the installation.
- All pedestrian bridges and points where water enters BMPs shall receive River Jacks 4'-6" & 6'-8" over a non woven soil separator Mirafi 140N or approved equal.
- All BMP beds shall be mulched with 2" of Missouri Rainbow 2" Rock Mulch. No weed barrier in BMP engineered soil areas. In beds on south side of 20th St. place 3" of dyed brown shredded hardwood mulch over non woven weed barrier Mirafi 140N or approved equal.
- All shrub beds shall be treated with the pre-emergent herbicide Tupersan or an approved equal in accordance with the manufacturer's instructions.
- Contractor shall warranty all landscape work and plant material for a period of two years from date of substantial completion and acceptance of the work by the Owner.
- Any plant material which dies during the two year warranty period shall be replaced by the contractor during normal planting seasons.
- Contractor shall be responsible for maintenance of the plants until completion of the job and acceptance by the Owner after the two year warranty period.
- All plant names on the plant list conform to the Standardized Plant Names prepared by the American Joint Committee on Horticultural Nomenclature or to names generally accepted in the nursery trade.
- All plant material shall be specimen quality stock as determined in the "American Standards For Nursery Stock" published by The American Association of Nurserymen, free of plant diseases and pest, of typical growth of the species and having a healthy, normal root system.
- Sizes indicated on the plant list are the minimum, acceptable size. In no case will sizes less than the specified sizes be accepted.
- Plants shall not be pruned prior to delivery to the site or after installation except for those branches that have been damaged in some way.
- Plants shall not have name tags removed prior to final inspection.
- Contractor shall be responsible for weed control on the project during and after construction until the project is turned over to the owner.
- All plantings shall receive a commercial transplant additive of mycorrhizal per manufacturers recommended rates and instructions for application.

CONSTRUCTION NOTES

- FOR GENERAL LANDSCAPE NOTES AND ADDITIONAL PLANTING DETAILS, REFER TO SHEET L305.
- INSTALL RIVER JACKS (4'-6" & 6'-8") OVER NON-WOVEN SOIL SEPARATOR UNDER ALL PEDESTRIAN BRIDGES.
- FOR DETAILS OF BMP BEDS AND ENGINEERED SOIL LOCATIONS SEE CIVIL DETAIL SHEETS.
- ALL BEDS ON SOUTH SIDE OF 20TH STREET TO RECEIVE 12" OF AMENDED SOIL, NOT ENGINEERED SOIL. SEE BMP SPECIFICATIONS FOR SOIL MIXES.



GRAND BOULEVARD



C:\Company_Data\PROJECTS\2015\15-036\LANDSCAPE.dwg Apr 11, 2016 - 12:36pm

DATE	REVISIONS AND RECORD OF ISSUE	NO.	BY	CHK	APP

T & B Project No. 54-0960	File Name: LANDSCAPE.DWG
DESIGNED BY: PAO DRAWN BY: PAO CHECKED BY: MB	DATE OF ORIGINAL ISSUE: April 11, 2016
THE PROFESSIONAL WHOSE SIGNATURE AND PERSONAL SEAL APPEARS ON THIS SHEET ASSUMES RESPONSIBILITY ONLY FOR WHAT APPEARS ON THIS PAGE, AND DISCLAIMS (PURSUANT TO SECTION 327.411 RSMO) ANY RESPONSIBILITY OF ALL OTHER PLANS, SPECIFICATIONS, ESTIMATES, REPORTS OR OTHER DOCUMENTS OR INSTRUMENTS NOT SEALED BY THE UNDERSIGNED PROFESSIONAL RELATING TO OR INTENDED TO BE USED FOR ANY PART OR PARTS OF THE PROJECT TO WHICH THIS PAGE REFERS.	



Taliaferro & Browne, Inc.
Civil / Structural Engineering,
Landscape Architecture & Surveying
1020 E. 8th STREET
KANSAS CITY, MISSOURI 64106
PH (816) 283-3456 FAX (816) 283-0810
PROFESSIONAL ENGINEERING CORPORATION
MISSOURI LICENSE NO. 000466 KANSAS LICENSE NO. E-1481
PROFESSIONAL LAND SURVEYING CORPORATION
MISSOURI LICENSE NO. 000094

**20TH STREET
STREETSCAPE**
CITY OF KANSAS CITY, MISSOURI
SHRUB PLAN SOUTH SIDE

Leonard J. Graham
Engineer
License No.:
PE-18801
DWG NO.:
L305