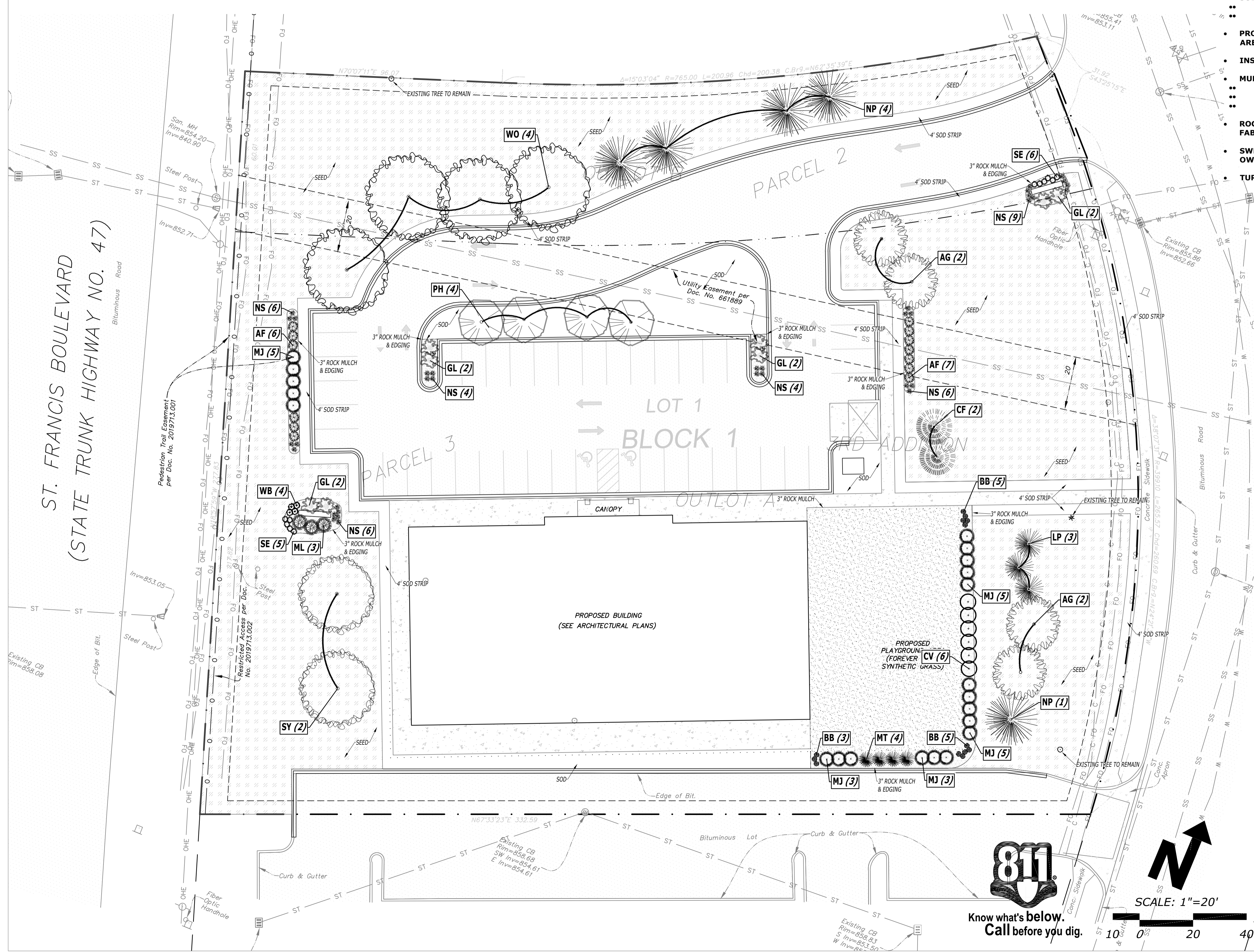
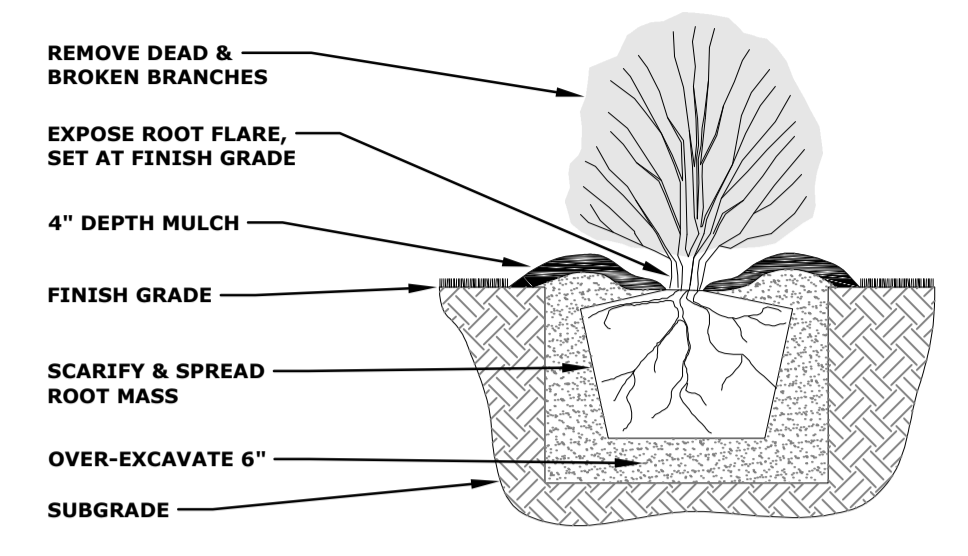
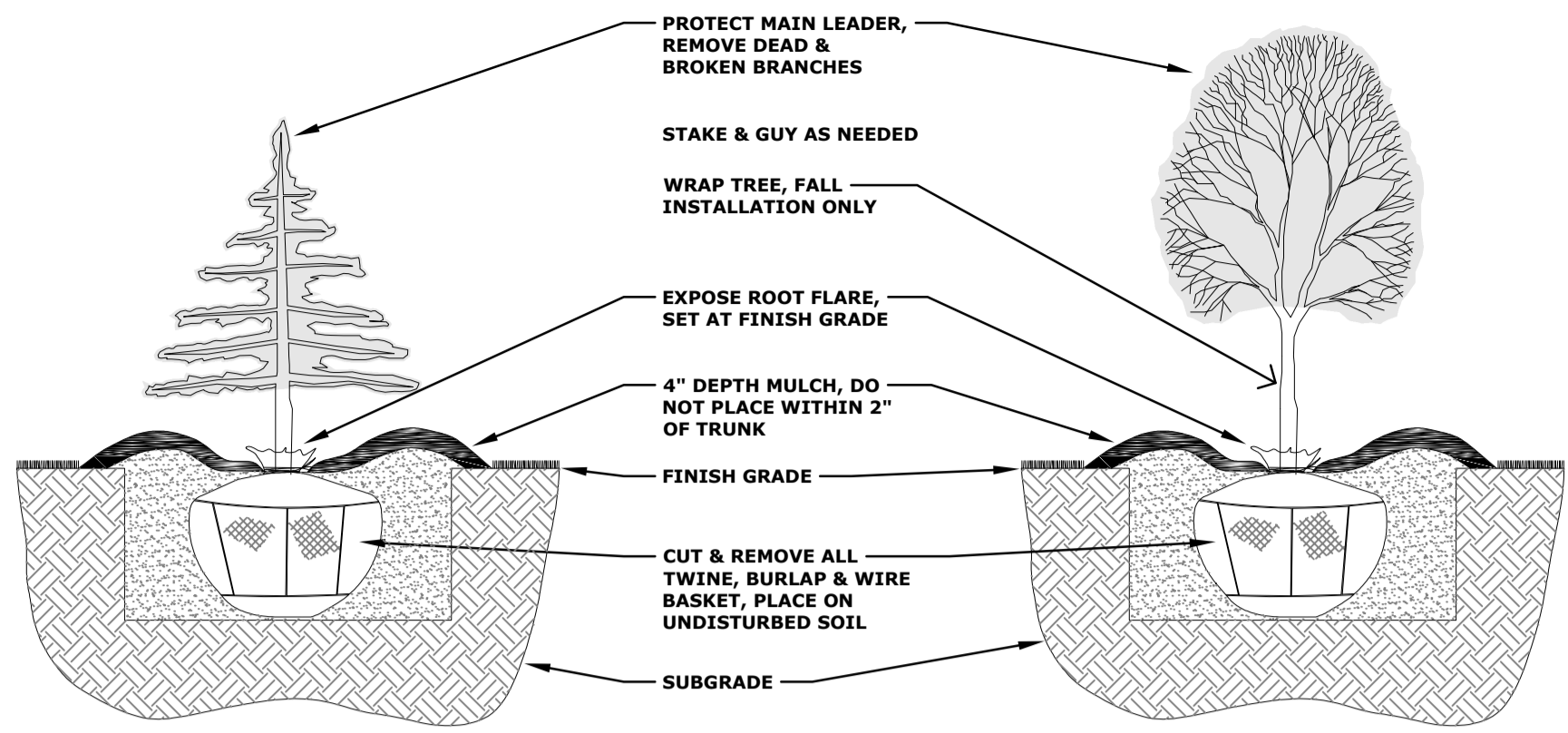


LANDSCAPE REQUIREMENTS

- B-1 ZONING DISTRICT
- 1,205 LF OF PROPERTY & 11,157 SF OF BUILDING
- ONE(1) TREE PER 50 LF OF PROPERTY OR PER 1000 SF OF BUILDING, WHICHEVER GREATER
- 24 TREES PROVIDED
- ONE(1) SHRUB PER 30 LF OF PROPERTY OR PER 300 SF OF BUILDING, WHICHEVER GREATER
- 41 SHRUBS PROVIDED
- 4 ORNAMENTAL EVERGREEN TREES & 51 SHRUBS PROVIDED

LANDSCAPE NOTES:

- CONTRACTOR TO HAVE ALL UTILITIES ON SITE VERIFIED AND MARKED BEFORE STARTING WORK.
- CONTRACTOR IS LIABLE FOR ANY DAMAGE TO EXISTING UTILITIES ON SITE AND RESPONSIBLE FOR THE COSTS ASSOCIATED WITH REPAIRING/REPLACING DAMAGE.
- CONTRACTOR IS LIABLE FOR ALL DAMAGE RELATED TO CONTRACTORS ACTIVITY ON SITE AND RESPONSIBLE FOR THE COSTS ASSOCIATED WITH REPAIRING/REPLACING DAMAGE.
- OBTAIN ALL NECESSARY PERMITS FOR PLANTING IN ALL RIGHT-OF-WAY.
- COMPLETE WORK PER OWNERS CONSTRUCTION SCHEDULE AND COORDINATE WORK WITH OTHERS ON SITE.
- PLANT MATERIAL SHALL COMPLY WITH THE AMERICAN ASSOCIATION OF NURSERYMEN STANDARDS AND BE FREE OF DISEASE AND DAMAGE.
- ALL PLANT MATERIALS TO BE WARRANTED TWO (2) FULL YEARS FROM THE COMPLETION AND ACCEPTANCE BY OWNER, WITH ONE TIME REPLACEMENT.
- WATER AND MAINTAIN ALL PLANT MATERIALS UNTIL ACCEPTED BY OWNER.
- IF THERE IS A DISCREPANCY BETWEEN THE QUANTITY OF PLANTS SHOW ON THE PLAN COMPARED TO THE PLANT LEGEND, THE PLAN TAKES PRECEDENCE.
- ALL AREAS DISTURBED DURING CONSTRUCTION TO RECEIVE 4" OF TOPSOIL AND SOD UNLESS OTHERWISE SPECIFIED ON PLANS.
- VERIFY TOPSOIL DEPTH AND NOTIFY OWNER OF ANY DEFICIENCY.
- REPLACEMENT TOPSOIL SHOULD BE CLEAN, FREE OF DEBRIS, SHARP OBJECTS, ROCKS AND WEEDS.
- REPLACEMENT TOPSOIL SHOULD NOT EXCEED 35% SAND CONTENT.
- ALL AREAS TO BE LANDSCAPED AND SODDED SHALL BE GRADED SMOOTH AND EVEN.
- SOD TO BE A KENTUCKY BLUEGRASS SEED VARIETY.
- NO GUARANTEE ON SOD EXCEPT SOD THAT IS NOT ACCEPTABLE AT TIME OF INSTALLATION.
- STAKE SOD ON SLOPES 3:1 AND GREATER.
- PROVIDE BLANKET ON ALL SEEDED AREAS THAT ARE SLOPED. MULCH APPLICATION FOR ALL OTHER SEEDED AREAS SHALL BE HYDROMULCH OR DISCED STRAW DEPENDING ON SEED TYPE.
- INSTALL BLACK VINYL EDGING AROUND ALL PLANTING BEDS AS SHOWN ON PLAN.
- MULCH TO BE FINELY SHREDDED, UNDYED, HARDWOOD ORGANIC MULCH INSTALLED TO 4" DEPTH.
- NO WEED FABRIC BARRIER BENEATH ORGANIC MULCHES.
- TREES SHALL HAVE MULCH PULLED BACK 2" FROM BASE OF TRUNK.
- NO EDGING AROUND TREES OUTSIDE OF SHRUB BEDS.
- ROCK MULCH SHALL BE 1-1/2" DIAMETER WASHED RIVER ROCK INSTALLED TO 3" DEPTH WITH APPROVED WEED FABRIC BARRIER.
- SWEEP AND MAINTAIN ALL PAVEMENT AREAS AFTER LANDSCAPE INSTALLATION IS COMPLETE AND ACCEPTED BY OWNER, DAILY CLEANING TO BE COMPLETED IF REQUIRED BY THE MUNICIPALITY.
- TURF GRASS SEEDING WILL NEED TO BE FULLY ESTABLISHED BEFORE ORDERING LANDSCAPE INSPECTION.



LANDSCAPE PLANT LEGEND

DECIDUOUS TREES			
WO 4	WHITE OAK <i>Quercus alba</i>	2.5" CAL.	B&B 60'H x 60'W
SY 2	EXCLAMATION! SYCAMORE <i>Platanus x acerifolia 'Morton Circle'</i>	2.5" CAL.	B&B 60'H x 45'W
AG 4	AUTUMN GOLD GINKGO <i>Ginkgo biloba 'Autumn Gold'</i>	2.5" CAL.	B&B 50'H x 30'W
PH 4	PRAIRIE HORIZON ALDER <i>Alnus hirsuta 'Harbin'</i>	2" CAL.	B&B 35'H x 25'W
EVERGREEN TREES			
NP 5	NORWAY PINE <i>Pinus resinosa</i>	6' HT	B&B 50'H x 30'W
CF 2	CONCOLOR FIR <i>Abies concolor</i>	6' HT	B&B 30'H x 15'W
LP 3	LIMBER NORTHERN BLUE PINE <i>Pinus flexilis 'Northern Blue'</i>	6' HT	B&B 25'H x 12'W
ORNAMENTAL TREES			
MT 4	MUGO TANNENBAUM <i>Pinus mugo 'Tannenbaum'</i>	36" HT	B&B 10'H x 6'W
SHRUBS			
CV 6	COMPACT AMERICAN VIBURNUM <i>Viburnum trilobum 'Bailey Compact'</i>	24" HT.	POT 6'H x 6'W
MJ 21	MANEY JUNIPER <i>Juniperus chinensis 'Maney'</i>	24" HT.	POT 5'H x 6'W
AF 13	ARCTIC FIRE DOGWOOD <i>Cornus stolonifera 'Farrow'</i>	24" HT.	POT 4'H x 4'W
GL 8	GRO-LOW FRAGRANT SUMAC <i>Rhus aromatica 'Gro-Low'</i>	24" HT.	POT 2'H x 8'W
ML 3	MOTHER LODGE JUNIPER <i>Juniperus horizontalis 'Mother Lode'</i>	24" HT.	POT .5'H x 6'W
PERENNIALS			
WB 4	WILD BERGAMOT <i>Monarda fistulosa</i>	#1 CONT.	POT 3'H x 2.5'W
SE 11	AUTUMN FIRE <i>Sedum x 'Autumn Fire'</i>	#1 CONT.	POT 1.5'H x 2'W
ORNAMENTAL GRASSES			
BB 13	BIG BLUESTEM <i>Andropogon gerardii</i>	#1 CONT.	POT 5'H x 2'W
NS 35	NORTHWIND SWITCH GRASS <i>Panicum virgatum 'Northwind'</i>	#1 CONT.	POT 4'H x 2.5'W
SPRING SEEDING TO BE BETWEEN MARCH 15TH - MAY 15TH. FALL SEEDING TO BE BETWEEN AUGUST 15TH - OCTOBER 15TH. • NO SUMMER SEEDING ALLOWED. • PROVIDE EROSION CONTROL BLANKET ON ALL SIDE SLOPES			
3,872 SY	KENTUCKY BLUE GRASS MIX. SEE SPECS FOR MULCHING INFORMATION.		
SOD - 896 SY EDGING - 380 LF ROCK MULCH - 17 CY MULCH (TREES/SHRUBS OUTSIDE OF BEDS) - 2 CY			

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA.

SIGNATURE: *Joseph L. Schermer*
JOSEPH L. SCHERMER
Expiration: 06-30-2024

License #: 55597
Date: 01-08-2024

PROJECT MANAGER
LOUIE

DRAWN BY
J + L

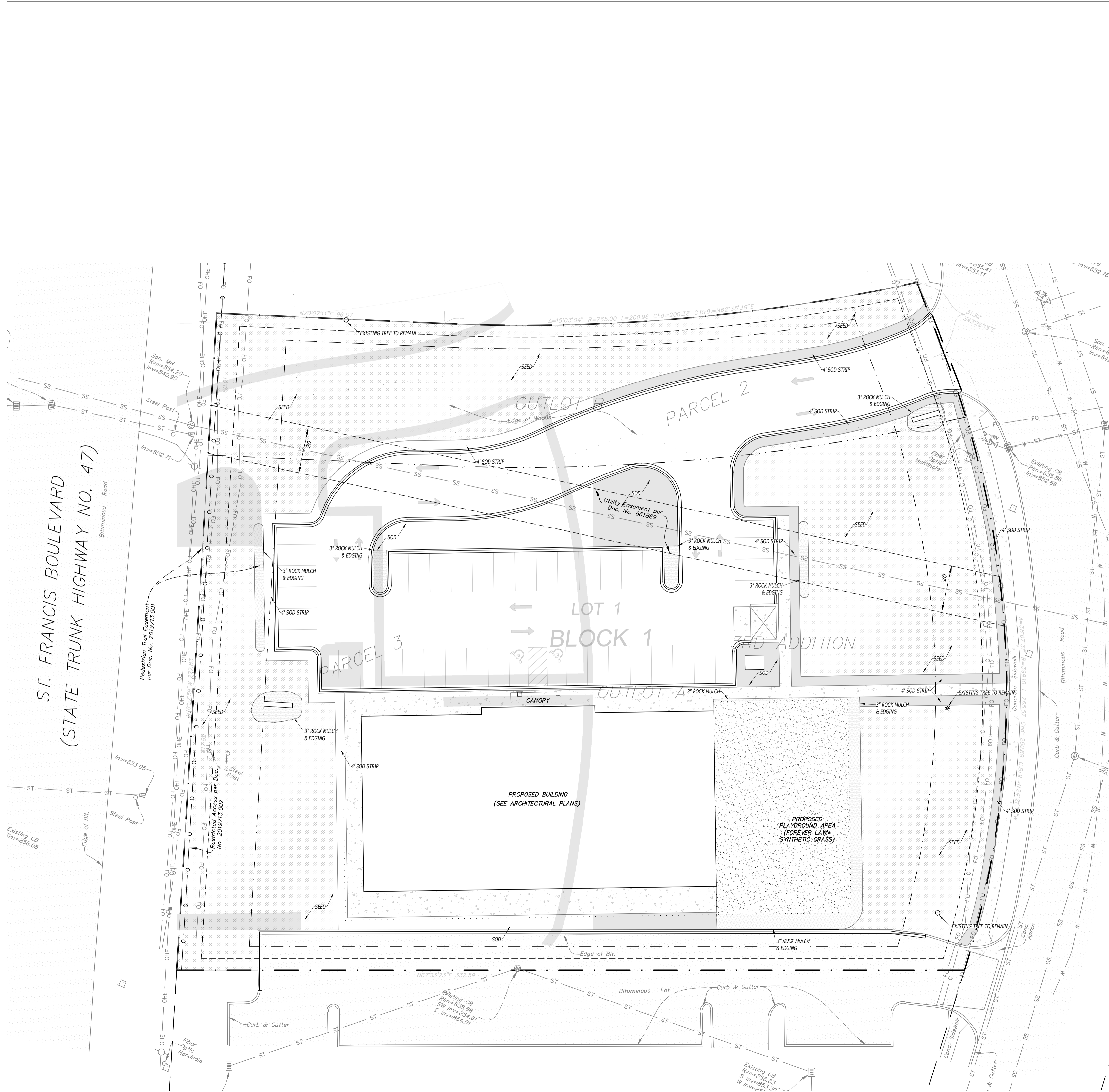
PROJECT NAME
LIGHTBRIDGE ACADEMY

RAMSEY MINNESOTA

PROJECT NUMBER
SHEET TITLE

LANDSCAPE PLAN

SHEET NUMBER
L101



IRRIGATION NOTES:

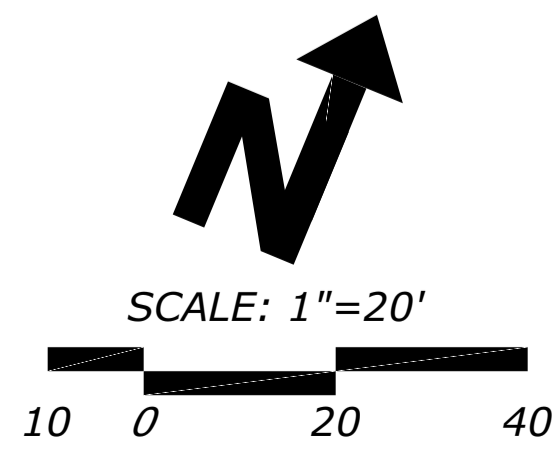
- IRRIGATE ENTIRE SITE. DESIGN SHOULD ENCOMPASS ALL LANDSCAPE AREAS WITH SOD AND PLANTINGS.
- MINIMIZE OVERSPRAY ON BUILDINGS AND PAVEMENT.
- DRIP IRRIGATION TO BE PROVIDED FOR ALL LANDSCAPE BEDS.
- CONTRACTOR TO REVIEW MECHANICAL AND ELECTRICAL PLANS FOR WATER STUB OUT AND ELECTRICAL LOCATIONS.
- CONTRACTOR TO VERIFY WATER STUB OUT SIZE IS SUFFICIENT, NOTIFY OWNER OF ANY DEFICIENCY.
- CONTRACTOR TO VERIFY CONTROLLER LOCATION WITH OWNER BEFORE INSTALLATION.
- RPZ BACKFLOW PREVENTER TO BE USED AT WATER STUB OUT.
- CONTROLLER SHOULD BE A WATERSENSE WEATHER BASED IRRIGATION CONTROLLER (WBIC) WITH A RAIN SENSOR.
- CONTRACTOR TO HAVE ALL UTILITIES ON SITE VERIFIED AND MARKED BEFORE STARTING WORK.
- CONTRACTOR IS LIABLE FOR ANY DAMAGE TO EXISTING UTILITIES ON SITE AND RESPONSIBLE FOR THE COSTS ASSOCIATED WITH REPAIRING/REPLACING DAMAGE.
- CONTRACTOR TO COORDINATE WITH GENERAL CONTRACTOR IN ORDER TO PROVIDE ALL PVC SLEEVES AT A DEPTH OF 2'-0" BELOW FINISHED GRADE. MARK LOCATIONS OF PLACED PVC SLEEVES.
- CONTRACTOR TO PLACE MAIN LINES MINIMUM 1'-6" BELOW FINISH GRADE, LATERAL LINES MINIMUM 1'-0" BELOW FINISH GRADE.
- WIRES TO BE MINIMUM 16 AWG SOLID COPPER. SPLICE ONLY AT BOXES WITH MOISTURE RATED CONNECTORS.
- VALVES BOXES AND COVERS SHOULD BE BEST COLOR TO MATCH WITH SURROUNDING LANDSCAPE.
- BOXES TO BE SET ON A BASE OF 3" MINIMUM DEPTH 3/4" CLEAR GRAVEL.
- PLACE BOXES IN LANDSCAPE BEDS WHEN POSSIBLE.
- TRENCH BACKFILL TO BE CLEAN, FREE OF DEBRIS, SHARP OBJECTS AND ROCKS.
- CONTRACTOR TO PROVIDE AS-BUILT DRAWINGS TO OWNERS UPON COMPLETION OF WORK.

SPRING SEEDING TO BE BETWEEN MARCH 15TH - MAY 15TH.
 FALL SEEDING TO BE BETWEEN AUGUST 15TH - OCTOBER 15TH.
 • NO SUMMER SEEDING ALLOWED.
 • PROVIDE EROSION CONTROL BLANKET ON ALL SIDE SLOPES

3,872 SY	KENTUCKY BLUE GRASS MIX. SEE SPECS FOR MULCHING INFORMATION.
SOD - 896 SY	
EDGING - 380 LF	
MULCH - 17 CY	
MULCH (TREES/SHRUBS OUTSIDE OF BEDS) - 2 CY	



Know what's below.
Call before you dig.



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 JOSEPH L. SCHLEMMER
 Expiration: 06-30-2024

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PROJECT MANAGER
 LOUIE

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 J + L

PROJECT NAME
 LIGHTBRIDGE ACADEMY

RAMSEY MINNESOTA

PROJECT NUMBER

SHEET TITLE

GROUND COVER PLAN

SHEET NUMBER

L102

EXISTING TREE LEGEND

ID#	SPECIES	SIZE	CATEGORY	CONDITION	STATUS	REMOVED CAL. INCHES
TT1	EASTERN COTTONWOOD <i>Populus deltoides</i>	12", 12" CAL.	SIGNIFICANT	HEALTHY	REMAIN	0" CAL.
TT2	EASTERN RED CEDAR <i>Juniperus virginiana</i>	5" CAL.	SIGNIFICANT	HEALTHY	REMAIN	0" CAL.
TT3	AMUR MAPLE <i>Acer ginnala</i>	8", 7", 6", 6", 6", 6" CAL.	EXEMPT*	INVASIVE	REMOVE	39" CAL.
TT4	SIBERIAN ELM <i>Ulmus pumila</i>	13" CAL.	EXEMPT*	INVASIVE	REMOVE	13" CAL.
TT5	SIBERIAN ELM <i>Ulmus pumila</i>	8" CAL.	EXEMPT*	INVASIVE	REMOVE	8" CAL.
TT6	SIBERIAN ELM <i>Ulmus pumila</i>	9" CAL.	EXEMPT*	INVASIVE	REMOVE	9" CAL.
TT7	SIBERIAN ELM <i>Ulmus pumila</i>	12" CAL.	EXEMPT*	INVASIVE	REMOVE	12" CAL.
TT8	SIBERIAN ELM <i>Ulmus pumila</i>	9" CAL.	EXEMPT*	INVASIVE	REMOVE	9" CAL.
TT9	SIBERIAN ELM <i>Ulmus pumila</i>	11", 11" CAL.	EXEMPT*	INVASIVE	REMOVE	22" CAL.
TT10	SIBERIAN ELM <i>Ulmus pumila</i>	7" CAL.	EXEMPT*	INVASIVE	REMOVE	7" CAL.
TT11	SIBERIAN ELM <i>Ulmus pumila</i>	9" CAL.	EXEMPT*	INVASIVE	REMOVE	9" CAL.
TT12	AMUR MAPLE <i>Acer ginnala</i>	9", 9", 8" CAL.	EXEMPT*	INVASIVE	REMOVE	26" CAL.
TT13	SIBERIAN ELM <i>Ulmus pumila</i>	9", 8", 6" CAL.	EXEMPT*	INVASIVE	REMOVE	23" CAL.
TT14	BOXELDER MAPLE <i>Acer negundo</i>	14", 10", 8", 8" CAL.	SIGNIFICANT	HEALTHY	REMOVE	40" CAL.
TT15	EASTERN COTTONWOOD <i>Populus deltoides</i>	19" CAL.	SIGNIFICANT	HEALTHY	REMAIN	0" CAL.
TT16	BOXELDER MAPLE <i>Acer negundo</i>	10", 10", 9", 8" CAL.	SIGNIFICANT	HEALTHY	REMOVE	37" CAL.
TT17	SIBERIAN ELM <i>Ulmus pumila</i>	14", 12" CAL.	EXEMPT*	INVASIVE	REMOVE	26" CAL.
TT18	SIBERIAN ELM <i>Ulmus pumila</i>	10", 8", 7" CAL.	EXEMPT*	INVASIVE	REMOVE	25" CAL.

TOTAL: 353" CAL. REMOVAL TOTAL: 305" CAL.
 REMOVAL TOTAL (EXCLUDING EXEMPT): 77" CAL.
 SIGNIFICANT TOTAL: 125" CAL.
 77" REMOVED/125" SIGNIFICANT TOTAL = 61.6% REMOVED

INVASIVE SPECIES LISTED AS EXEMPT

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 SIGNATURE: Joseph Schell
 JOSEPH L. SCHELL, AIA
 Expiration: 06-30-2024

License #: 55597

Date: 01-08-2024

PROJECT MANAGER

LOUIE

DRAWN BY

J + L

PROJECT NAME

LIGHTBRIDGE ACADEMY

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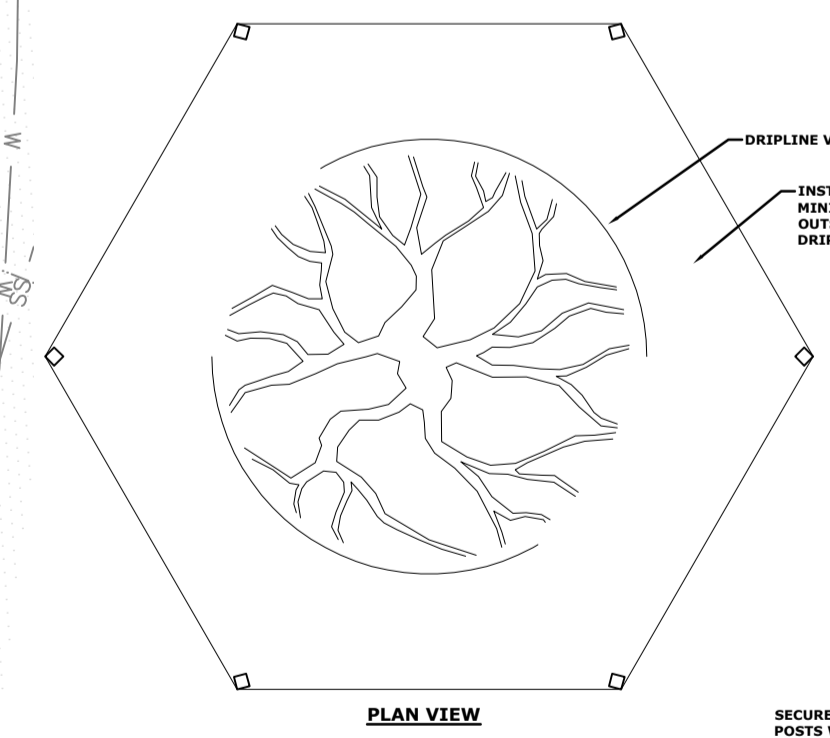
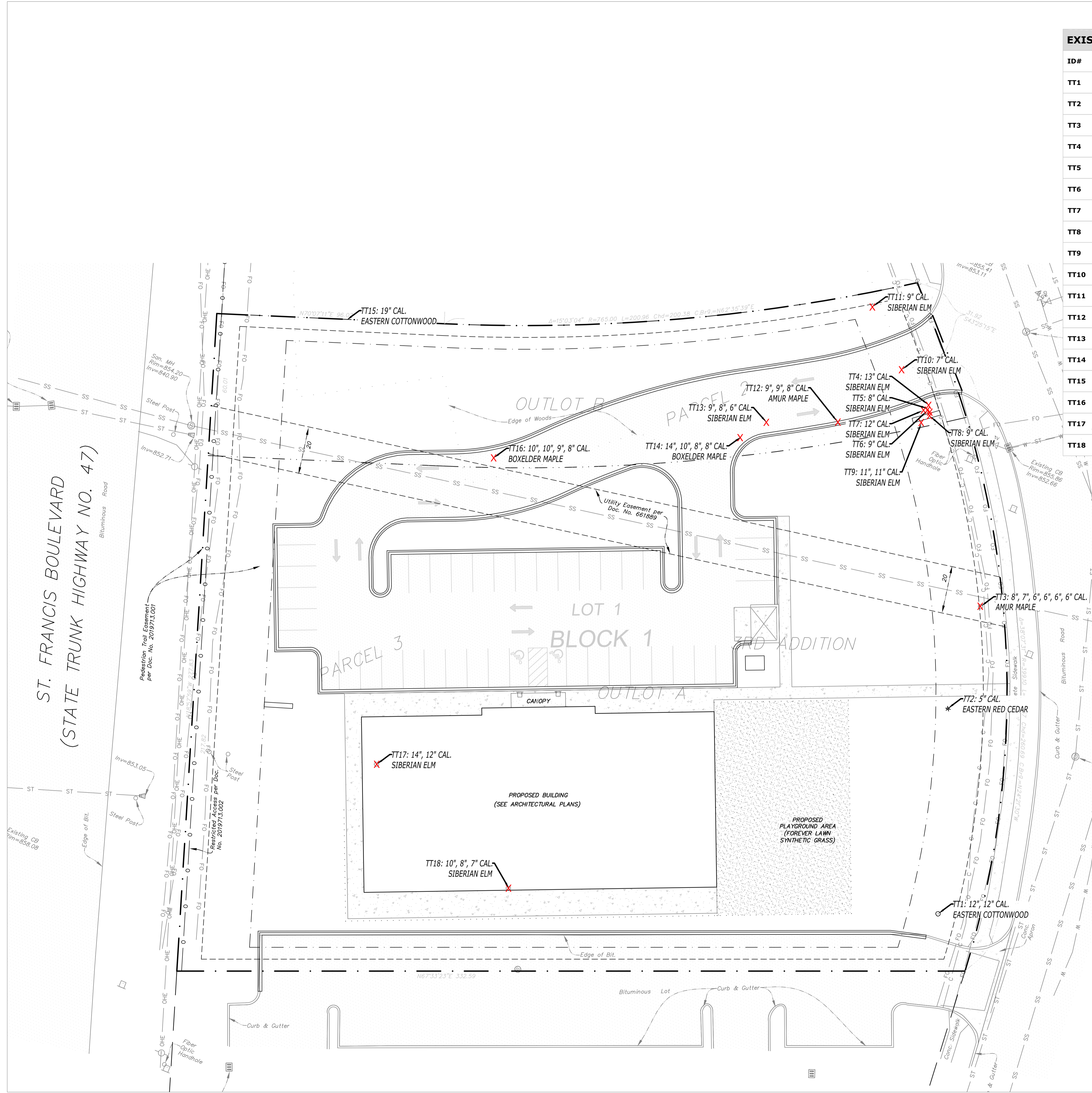
PROJECT NUMBER

SHEET TITLE

TREE REPLACEMENT PLAN

SHEET NUMBER

L103



NOTES:
 • FENCE SHALL BE INSTALLED ACCORDING TO PLANS BEFORE ANY WORK BEGINS ON SITE.
 • FENCE MAY BE RELOCATED WITH APPROVAL FROM THE LANDSCAPE ARCHITECT OR ENGINEER.
 • ALL FENCE SHALL BE MAINTAINED FOR THE DURATION OF WORK ON SITE.
 • CONTRACTOR SHALL NOT PARK VEHICLES, EQUIPMENT OR OTHER TEMPORARY FACILITIES IN TREE PROTECTION ZONES.
 • CONTRACTOR SHALL NOT STORE MATERIALS, SUPPLIES OR STOCKPILES IN TREE PROTECTION ZONES.
 • ANY EXPOSED ROOTS FROM GRADING PROCESS SHALL BE CLEARLY CUT.

