# McKnight Crossings Church of Christ - Parking Lots Expansion Implementation

## Design Development Set

MCKNIGHT CROSSINGS CHURCH OF CHRIST 2515 S. MCKNIGHT ROAD ST. LOUIS, MO 63124 314-962-7026



7722 Big Bend Blvd. St. Louis, MO 63119 t. 314.644.5700

PREPARED FOR -BID NUMBER -MSD # -

ISSUE DATE -

REVISED AND REISSUED -

#### DRAWING INDEX:

**COVER SHEET** 

L-001 NOTES AND LEGENDS

V-001 SITE SURVEY

LD-100 DEMOLITION AND TREE PROTECTION PLAN

L-100 OVERALL SITE PLAN
L-110 ENLARGEMENT PLAN
L-111 ENLARGEMENT PLAN
L-140 SITE PLANTING PLAN

L-500 DETAILS



VICINITY MAP: N.T.S.



- DO NOT REPRODUCE DRAWINGS AT DIFFERENT SCALE THAN SHOWN. USE DIMENSIONS SHOWN.
- SITE DIMENSIONS ARE TO FACE OF CURB, PROPERTY LINE, OR FACE OF BUILDING UNLESS OTHERWISE NOTED. ALL DIMENSIONS AND RADII TO OR FROM CURB LINES ARE TO FACE OF CURB.
- CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY IF EXISTING SITE CONDITIONS DIFFER FROM THOSE SHOWN ON PLANS.
- ALL QUESTIONS REGARDING THESE CONSTRUCTION DOCUMENTS SHALL BE SUBMITTED IN WRITING TO THE GENERAL CONTRACTOR.
- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS TO ACCOMPLISH THIS WORK. THE COST OF THESE PERMITS SHALL BE INCLUDED IN THE CONTRACT AMOUNT
- PRIOR TO BEGINNING ANY WORK ON THE SITE, THE CONTRACTOR SHALL CONTACT THE OWNER FOR SPECIFIC INSTRUCTIONS RELEVANT TO THE SEQUENCING OF THE WORK.
- THE CONTRACTOR SHALL VISIT THE SITE AND BECOME FULLY FAMILIAR WITH ALL OF THE CONDITIONS THAT PERTAIN TO THE WORK DESCRIBED HEREIN. THE FAILURE TO UNDERSTAND OR TO HAVE KNOWLEDGE OF ISSUES THAT COULD HAVE BEEN DETERMINED PRIOR TO BIDDING WILL

NOT CONSTITUTE GROUNDS FOR ASKING FOR WORK CHANGE ORDERS OR EXTRA WORK

- THIS SET OF PLANS IS SUFFICIENT FOR OBTAINING A BUILDING PERMIT, HOWEVER, ALL MATERIALS AND METHODS OF CONSTRUCTION NECESSARY TO COMPLETE THE PROJECT ARE NOT NECESSARILY DESCRIBED. THE PLANS DELINEATE AND DESCRIBE ONLY LOCATIONS, DIMENSIONS, TYPES OF MATERIALS AND GENERAL METHODS OF ASSEMBLING OR FASTENING. THE SPECIFICATIONS INCLUDED WITH THIS PLAN SET SPECIFY PARTICULAR PRODUCTS OR MATERIALS RECOMMENDED FOR THIS DESIGN. THE IMPLEMENTATION OF THESE PLANS REQUIRES THAT THE CONTRACTOR IS THOROUGHLY KNOWLEDGEABLE WITH THE APPLICABLE BUILDING CODES AND METHODS FOR CONSTRUCTION SPECIFIC TO THIS PROJECT AND TYPE OF CONSTRUCTION. THE CONTRACTOR SHALL ENSURE THAT ALL LABOR, MATERIALS, EQUIPMENT, AND TRANSPORTATION SHALL BE INCLUDED IN THE WORK FOR THE COMPLETE EXECUTION OF THE PROJECT. THE LANDSCAPE ARCHITECT SHALL NOT BE RESPONSIBLE FOR THE MEANS, METHODS, OR SEQUENCING OF CONSTRUCTION.
- USE OF EXPLOSIVES OR BURNING ON SITE IS PROHIBITED.
- THE POINT OF BEGINNING (POB) IS THE CENTER LINE OF THE MAIN ENTRY VESTIBULE MATCHING FLUSH WITH THE PERIMETER FACADE. THE LAYOUT IS A 10' X 10' SQUARE GRID.
- GENERAL CONTRACTOR SHALL COORDINATE ALL WORK BETWEEN ELECTRICAL, PLUMBING, LANDSCAPE, AND OTHER TRADE CONTRACTORS.
- ALL UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES HAVE BEEN PLOTTED FROM THE SITE SURVEY. THEREFORE, THE RELATIONSHIP BETWEEN PROPOSED WORK AND EXISTING FACILITIES, STRUCTURES, AND UTILITIES MUST BE CONSIDERED APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE LOCATION OF EXISTING UTILITIES PRIOR TO ANY GRADING OPERATIONS AND PROTECT THE UTILITIES DURING THIS WORK. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXACT LOCATION AND EXISTENCE OF ANY UTILITIES NOT SHOWN. ALL UTILITIES SHALL BE LOCATED AND MARKED BOTH HORIZONTALLY AND VERTICALLY TO ENSURE CLEARANCE OF ANY PROPOSED SITE WORK. UTILITY COMPANY REPRESENTATIVES SHALL BE ON SITE DURING TIMES OF EXCAVATION IN THE VICINITY OF THEIR FACILITIES. ANY DISCREPANCIES, OMISSIONS, AND/OR CONFLICTS TO BE ADDRESSED TO OWNER'S REPRESENTATIVE PRIOR TO CONTINUATION OF THE WORK.
- ALL ELEVATIONS ARE BASED ON INFORMATION PROVIDED BY THE SITE SURVEY.
- ALL EXCAVATION, WHETHER UTILITY TRENCHES OR FOOTING EXCAVATIONS, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) "CONSTRUCTION STANDARDS FOR EXCAVATION."
- SIGNS, AND BARRICADES SHALL BE INSTALLED AT LOCATIONS NECESSARY TO MAINTAIN A SAFE WORK SITE CONDITION AS DIRECTED/APPROVED BY THE OWNER AND IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES."
- DO NOT DISTURB ANY UTILITIES UNLESS OTHERWISE NOTED.
- THE APPROPRIATE UTILITY AGENCY SHALL BE NOTIFIED PRIOR TO THE COMMENCEMENT OF ANY WORK WHICH WILL AFFECT AN EXISTING UTILITY.
- SILTATION AND EROSION CONTROL DEVICES SHALL BE INSTALLED AS NECESSARY PRIOR TO ANY GRADING OPERATIONS AND SHALL BE INSPECTED AND MAINTAINED DAILY AFTER PERIODS OF PRECIPITATION ON A REGULAR BASIS UNTIL SUFFICIENT VEGETATION HAS BEEN ESTABLISHED ON THE SITE TO PREVENT EROSION. ADDITIONAL EROSION CONTROL MEASURES SHALL BE INSTALLED BY THE CONTRACTOR AS NEEDED, UPON WRITTEN APPROVAL BY LANDSCAPE ARCHITECT.
- HAUL ROUTE APPROVAL SHALL BE OBTAINED FROM THE OWNER PRIOR TO COMMENCEMENT OF
- THE CONTRACTOR SHALL KEEP EXISTING ROADWAYS AND SIDEWALKS CLEAN OF MUD AND DEBRIS AT ALL TIMES.
- NO AREA SHALL BE CLEARED WITHOUT THE PERMISSION OF THE OWNER.
- NOTIFY LANDSCAPE ARCHITECT IN THE EVENT OF ANY CONFLICT DURING GRADING AND EXCAVATING WITH EXISTING TREE ROOTS.
- IF REMOVING PAVEMENT, SIDEWALKS, AND OTHER SIMILAR IMPROVEMENTS AND WHERE A PORTION OF SUCH IMPROVEMENTS ARE TO BE LEFT IN PLACE, THEY SHALL BE REMOVED TO AN
- EXISTING JOINT OR SAW CUT AT LIMITS OF REMOVAL. ALL DEBRIS RESULTING FROM THE DEMOLITION OF RIGID PAVEMENTS, CURBING, STRUCTURES, FOUNDATIONS, AND FOOTINGS SHALL BE REMOVED FROM THE SITE AND LEGALLY DISPOSED OF
- UNLESS NOTED OTHERWISE IN THE PROJECT SPECIFICATIONS AFTER ALL ASPHALT AND CONCRETE PAVING HAS BEEN REMOVED, CONTRACTOR SHALL DISC AND
- TURN EXISTING GRANULAR BASE THOROUGHLY AS REQUIRED TO DRY BASE MATERIAL ALL CUT AREAS AND AREAS TO RECEIVE FILL AND BACKFILL SHALL BE STRIPPED OF TOPSOIL, SOFT SOIL, AND OTHER DELETERIOUS MATERIALS. TOPSOIL TO BE STOCKPILED FOR LATER USE DURING
- LANDSCAPING OR BE REMOVED FROM THE SITE UPON OWNER'S WRITTEN APPROVAL. ALL TRASH, DEBRIS, ORGANIC MATERIAL, REFUSE, FROZEN EARTH, ETC. SHALL BE REMOVED FROM FILL AREAS PRIOR TO PLACEMENT OF CONTROLLED FILL AND BE PROPERLY DISPOSED OF FROM THE SITE PER LOCAL REGULATIONS. ALL FILLS AND BACKFILLS SHALL BE MADE OF SELECTED
- EARTH MATERIALS, FREE FROM BROKEN MASONRY, ROCK, FROZEN EARTH, RUBBISH, ORGANIC MATERIAL. AND DEBRIS. CARE SHALL BE EXERCISED IN COMPACTION OF BACKFILL MATERIALS OVER THE TOP OF STRUCTURES OR PIPES IN ORDER TO PREVENT DAMAGE TO PIPES, JOINTS, SEALS, STRUCTURES,
- AND/OR WATERPROOFING MEMBRANES. REFERENCE LINES AND GRADES SHALL BE MAINTAINED DURING THE PROGRESS OF THE WORK. ALL GRADES SHALL BE WITHIN 0.1 FEET OF THOSE SHOWN ON THE GRADING PLAN, EXCEPT AS
- INDICATED IN THE PROJECT SPECIFICATIONS. THE TOLERANCE OF ALL LINES AND GRADES IN THE SUBGRADE CROSS SECTION TO BE +/-1" BELOW
- A 10' STRAIGHT EDGE. ELEVATIONS AND CONTOURS SHOWN ARE TO TOP OF FINISHED GROUND OR PAVED SURFACE,
- UNLESS NOTED OTHERWISE, AND SHOULD MEET ALL EXISTING SURFACES. FINAL GRADING WITHIN CURB LINE SHALL BE VERIFIED BY OWNER'S REPRESENTATIVE PRIOR TO TURF SEEDING.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING GRADED AREAS, AND IF NECESSARY, RESTORE TO GRADE ANY RUTS, WASHES, OR OTHER CHANGES FROM THE DESIGN ELEVATIONS

SHOWN HERE, UNTIL THE GRADING WORK IS ACCEPTED BY THE OWNER.

- CONTRACTOR TO PROVIDE SAMPLES AND MOCKUPS OF ALL MATERIAL FOR OWNER'S REPRESENTATIVE'S APPROVAL. COLORS TO BE REVIEWED AND APPROVED BY OWNER. MOCKUP SHALL BE A MINIMUM OF 4' X 4', UNLESS OTHERWISE NOTED IN SPECIFICATIONS, INDICATING MATERIALS AND PATTERN FOR OWNER'S REPRESENTATIVE'S APPROVAL. ALL MATERIAL TYPES, COLORS, FINISHES, AND PROCESSES SHALL BE SELECTED AN APPROVED BY OWNER'S REPRESENTATIVE/LANDSCAPE ARCHITECT. SAMPLES AND MOCKUPS SHALL INCLUDE:
  - A. PLANT MATERIAL
  - B. LIGHT POLES.



ALL NOTES AND LEGENDS LOCATED ON SHEETS L-001 AND L-002

INSTALL GRANULAR BASE PER DRAWINGS NOTES, DETAILS, AND/OR SPECIFICATIONS. 37. ALL EXTERIOR PAVEMENT SHALL MEET BUILDING FINISHED FLOOR AND/OR EXISTING PAVEMENT

- **ELEVATIONS** ALL TRENCHES UNDER OR ADJACENT TO PROPOSED PAVEMENT OR SIDEWALKS SHALL BE BACKFILLED TO SUBGRADE ELEVATION WITH COMPACTED 3/4-INCH MINUS CRUSHED LIMESTONE.
- CRUSHED LIMESTONE SHALL BE COMPACTED AS SPECIFIED. ALL WALKWAY SURFACES SHALL BE LESS THAN 5% SLOPE, 2% CROSS SLOPE AND SHALL MEET ALL ADA REQUIREMENTS
- THE CONTRACTOR SHALL RESTORE TO ORIGINAL CONDITION ALL "OFF SITE" AREAS/PROPERTY AND EASEMENTS DISTURBED BY THEIR OPERATIONS.
- CONTRACTOR SHALL REPLACE AT HIS/HER EXPENSE ANY SIGNS DAMAGED OR LOST DURING REMOVAL, STORAGE OR RESETTING. THE IMPROVEMENT PLANS SHOW THE LOCATIONS WHERE SIGNS ARE TO BE RESET, AND THE OWNER SHALL APPROVE THE FINAL LOCATIONS.
- HAND RAKE ALL FINISH GRADING TO HAVE SMOOTH AND CONTINUOUS TRANSITIONS TO THE EXISTING GRADE. ALL FINAL GRADING TO BE APPROVED BY THE OWNER OR LANDSCAPE ARCHITECT PRIOR TO SEEDING OR SODDING. FINISH GRADING TOLERANCE TO BE  $\pm 1/2$  BELOW 10' STRAIGHT EDGE
- 43. SEED AND STRAW ALL DISTURBED AREAS NOT NOTED TO BE IMPROVED PER WRITTEN **SPECIFICATIONS**

#### PLANTING NOTES:

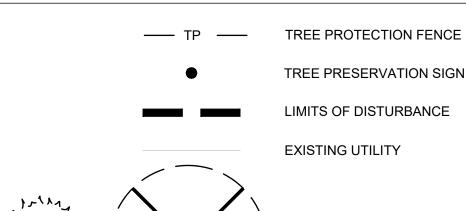
- 1. CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS
- PERTAINING TO THE INSPECTION FOR PLANT DISEASE AND INSECT INFESTATION. 2. LANDSCAPE ARCHITECT SHALL APPROVE ALL PLANT MATERIAL AND PLACEMENT PRIOR TO
- INSTALLATION. CONTACT LANDSCAPE ARCHITECT AT LEAST TWO (2) WEEKS PRIOR TO REVIEW. 3. ALL TREES AND SHRUBS SHALL EQUAL OR SURPASS AMERICAN STANDARDS FOR NURSERY STOCK ANSI Z60.1, 2004 FOR SIZE AND QUALITY.
- CONTRACTOR SHALL VERIFY THE PLANT MATERIAL IS PROPERLY LABELED, IS OF PROPER SIZE, HAS A WELL DEVELOPED BRANCH AND ROOT STRUCTURE, AND IS IN ACCORDANCE WITH THE AMERICAN ASSOCIATION OF NURSERYMEN. COMPLY WITH THE FOLLOWING:
  - A. DO NOT PRUNE PLANT MATERIAL PRIOR TO DELIVERY WITHOUT SPECIFIC APPROVAL BY LANDSCAPE ARCHITECT.
  - PLANTS ARE SUBJECT TO LANDSCAPE ARCHITECT INSPECTION FOR SIZE, VARIETY, CONDITION, LATENT DEFECTS, AND INJURY AT THE PLACE OF GROWTH AND AT THE PROJECT SITE AT ANY TIME BEFORE AND DURING PROGRESS OF WORK
  - C. WHEN REQUESTED BY LANDSCAPE ARCHITECT, SHOW SAMPLES TO PROVE THAT NO ROOT
- REMOVE REJECTED PLANTS FROM THE SITE IMMEDIATELY AND REPLACE WITH ACCEPTABLE AND LANDSCAPE ARCHITECT APPROVED MATERIALS.
- E. REPLACEMENT PLANTS SHALL BE THE SAME TYPE AND SIZE AS ORIGINALLY PLANTED. SUBSTITUTIONS WILL NOT BE PERMITTED WITHOUT THE LANDSCAPE ARCHITECT'S WRITTEN APPROVAL CONTRACTOR SHALL PROVIDE A WRITTEN GUARANTEE TO THE OWNER THAT ALL TREES, SHRUBS, AND PLANT MATERIALS WILL MAINTAIN VIGOROUS AND HEALTHY GROWTH FOR THE SPECIFIED GUARANTEE
- PERIOD OF ONE YEAR, UNLESS OTHERWISE STATED. GUARANTEE PERIOD SHALL BEGIN UPON SUBSTANTIAL COMPLETION OF WORK BY OWNER, AFTER
- SUCCESSFUL COMPLETION OF THE SPECIFIED MAINTENANCE PERIOD. CONTRACTOR SHALL REMOVE TAGS, LABELS, NURSERY STAKES, WIRE BASKETS OR CAGES, AND TIES
- FROM ALL PLANTS. 9. SOIL PREPARATION, FERTILIZATION, PLANTING, AND STAKING AND GUYING SHALL CONFORM TO DETAILS
- PLANT MATERIAL QUANTITIES ARE PROVIDED FOR PRELIMINARY COST ESTIMATE PURPOSES ONLY.
- LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR VERIFYING QUANTITIES AS SHOWN ON PLANS.
- CONTRACTOR SHALL COORDINATE LOCATION OF PLANT MATERIAL WITH ALL OTHER CONTRACTORS. ALL PLANT PIT EXCAVATION SHALL BE PER DETAILS AND SPECIFICATIONS.
- 13. IF PLANTING PITS ARE EXCAVATED USING A POWER AUGER, BREAK VERTICAL SIDES WITH A BALLING BAR OR SPADE TO INTERRUPT CONTINUOUS CURVE INFLUENCE ON ROOT DEVELOPMENT
- 14. ALL SOIL FOR LANDSCAPE PLANTING AREAS OR BERMS SHALL BE OBTAINED FROM OFF-SITE EXCAVATIONS AND CONTRACTOR SHALL INDICATE SOURCE LOCATION. SOILS SHALL BE SANDY LOAM CONTAINING NO TOXIC CHEMICALS OR ELEMENTS WHICH MAY INHIBIT OR RETARD NORMAL PLANT GROWTH. CONTRACTOR SHALL PROVIDE A SOIL SUITABILITY TEST TO DETERMINE SOIL FERTILITY. THE RESULTS OF THIS SOIL STUDY WILL SERVE AS THE RECOMMENDATIONS FOR ANY NECESSARY SOIL AMENDMENTS. SOIL SURVEY RESULTS WILL BE PROVIDED TO THE LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO SOIL PLACEMENT. ALL SOIL AMENDMENTS SHALL CONFORM TO INDUSTRY STANDARDS.
- 15. CONTRACTOR SHALL KILL AND REMOVE ALL EXISTING WEEDS FROM SITE.
- SOIL PREPARATION AND BACKFILL RECOMMENDATIONS CONTAINED WITHIN THESE PLANS AND/OR SPECIFICATIONS ARE FOR BID PURPOSES ONLY. FINAL SOIL ANALYSIS RECOMMENDATIONS SHALL SUPERSEDE. SEE SPECIFICATIONS.
- 17. CONTRACTOR SHALL OBTAIN A MINIMUM OF ONE SOIL SAMPLE FOR TESTING FROM EACH PLANTING AREA OR AS SHOWN ON PLAN. A COPY OF THE SOILS REPORT WITH RECOMMENDATIONS SHALL BE GIVEN TO THE OWNER AND THE LANDSCAPE ARCHITECT PRIOR TO ANY WORK BEING DONE. THE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT OF ANY SOIL PROBLEMS THAT MIGHT AFFECT PLANT GROWTH.
- 18. CONTRACTOR SHALL INSTALL AMENDED SOIL MIX PER SOIL ANALYSIS RECOMMENDATIONS AND AS APPROVED BY LANDSCAPE ARCHITECT. SCARIFY SUBSOIL, INSTALL AND INCORPORATE AMENDED TOPSOIL AS PER SPECIFICATIONS, IN ALL PLANTING AND LAWN AREAS.
- 19. AMENDED SOIL MIX TO BE INSTALLED UP TO 2" BELOW FINISH GRADE ADJACENT TO PAVEMENT AND BUILDING STRUCTURES AT PLANTING AREAS TO ALLOW FOR MULCH; AND 1/2" BELOW FINISH GRADE
- ADJACENT TO BUILDING STRUCTURES AND PAVEMENT AT TURF AREAS.
- 20. BERMS AND SLOPES ADJACENT TO PAVEMENT TO BE GRADED PER DETAILS. 21. CONTRACTOR SHALL REMOVE ALL EXCESS SOIL, CONTAMINATED SOILS, ROCKS, CLODS, AND DEBRIS AS
- IT ACCUMULATES ON A DAILY BASIS. 22. CONTRACTOR SHALL GRADE AROUND ALL PLANTS TO FINISH GRADE UNLESS OTHERWISE NOTED. 23. ALL LANDSCAPE AREAS (EXCLUDING TURF) ARE TO BE MULCHED WITH A 2" DEEP LAYER OF BARK MULCH
- OR DOUBLE GROUND HARDWOOD AT THE CONCLUSION OF PLANTING OPERATIONS. MULCH SHALL BE WELL DECOMPOSED BARK MULCH, 3" IN SIZE OR SMALLER.
- 24. CONTRACTOR SHALL FIELD VERIFY THE EXTENT OF EXISTING IRRIGATION (IF ANY) AND ADJUST PLANT LAYOUT IN COORDINATION WITH NEW PLANTINGS IF APPLICABLE.
- 25. ALL PLANTINGS, EXCLUDING SEED AND SOD, SHALL BE HELD 3' CLEAR OF FIRE HYDRANTS.
- 26. ALL PLANTING AREAS WITHIN CONCRETE PAVING TO BE LAID OUT IN THE FIELD BY THE CONTRACTOR FOR APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO ANY CONSTRUCTION.

#### TREE PROTECTION & PRESERVATION NOTES:

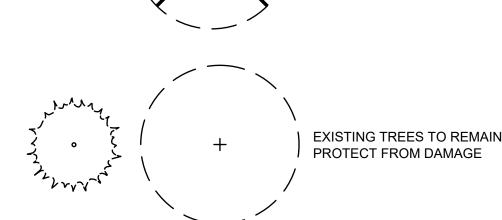
- 1. A PRE-CONSTRUCTION MEETING SHALL BE HELD ON-SITE TO EXPLAIN PROTECTION MEASURES TO OPERATORS, CONSTRUCTION SUPERVISORS, CONTRACTOR'S REPRESENTATIVES, AND THE GOVERNING AGENCY'S REPRESENTATIVE (IF NECESSARY).
- 2. CLEARING LIMITS SHALL BE ROUGH STAKED BY CONTRACTOR IN ORDER TO FACILITATE LOCATION FOR TRENCHING AND FENCING INSTALLATION. LIMITS TO BE APPROVED BY LANDSCAPE ARCHITECT OR GOVERNING AGENCY INSPECTOR.
- 3. NO CLEARING OR GRADING SHALL BEGIN IN AREAS WHERE TREE TREATMENT AND PRESERVATION MEASURES HAVE NOT BEEN APPROVED.
- 4. THE SEQUENCE OF TREE TREATMENT AND PRESERVATION MEASURES SHALL BE:
- ROOT PRUNING TRENCHING
- TREE PROTECTION FENCING
- SIGN INSTALLATION
- TREE PRUNING
- 5. ALL TREATMENT AND PRESERVATION MEASURES SHALL BE DIRECTED IN THE FIELD BY THE PROJECT LANDSCAPE ARCHITECT OR "TREE PROTECTION SUPERVISOR."
- 6. TREE PROTECTION FENCING SHALL BE MAINTAINED AND REPAIRED BY THE CONTRACTOR FOR THE DURATION OF CONSTRUCTION. ONCE APPROVED BY THE LANDSCAPE ARCHITECT OR GOVERNING AGENCY, THE FENCE SHALL NOT BE ALTERED WITHOUT PRIOR APPROVAL BY THE LANDSCAPE ARCHITECT OR GOVERNING AGENCY'S REPRESENTATIVE.
- 7. ACCESS TO FENCED AREAS BY EQUIPMENT, MATERIALS, OR INDIVIDUALS THAT MAY CAUSE HARM TO THE PROTECTED TREES WILL ONLY BE PERMITTED WITH THE PRIOR APPROVAL OF THE LANDSCAPE ARCHITECT OR GOVERNING AGENCY
- 8. TREES, SHRUBS, OR UNDERGROWTH SHALL BE REMOVED FROM PROTECTED AREAS ONLY WHEN NECESSARY AND SHALL BE PERFORMED WITH HAND TOOLS ONLY
- ATTACHMENT OF SIGNS, FENCING, ETC. TO ANY TREE TO BE SAVED IS PROHIBITED. 10. AFTER CONSTRUCTION, ALL TEMPORARY BARRIERS, FENCING, DEBRIS, ETC. SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR.

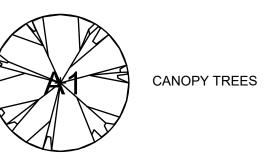
#### **LEGEND**

**EXISTING TO BE REMOVED** 



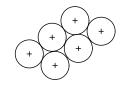
**LEGEND** 







ORNAMENTAL TREES



SEED



AREA TO REMOVED



LIGHT FIXTURE TO BE REMOVED AND RELOCATED ON-SITE

TOP OF CURB ELEVATION + TC 600.75 **BOTTOM OF CURB ELEVATION** + BC 600.25+ TW 600.75 TOP OF WALL ELEVATION + BW 595.25 **BOTTOM OF WALL ELEVATION** SPOT ELEVATION +600.75CONTOURS **EXPANSION JOINTS** CONTROL JOINT PLANTING AREA

#### MATERIALS LEGEND

4" THICK CONCRETE PAVING, BROOM FINISH EDGES TO BE 1/4" TOOLED RADIUS. SEE CIVIL DRAWINGS FOR LAYOUT. CONTRACTOR TO COORDINATE LOCATION OF ALL JOINTS WITH LANDSCAPE ARCHITECT. SEE DETAIL x/x-x.x.



FULL DEPTH ASPHALT PAVING FOR VEHICULAR TRAFFIC. SEE DETAIL C/L-500

LIGHT FIXTURE TO MATCH EXISTING FIXTURE STYLE, COLOR, HEIGHT, AND LIGHT OUTPUT. FOOTING TO BE INSTALLED PER MANUFACTURER'S

**CONCRETE DRIVE APRON** 6" DEPTH CONCRETE APRON FOR ROADWAY



ASPHALT PAVING

**ROLLED ASPHALT CURB** 

ROLLED ASPHALT PARKING LOT CURB TO MATCH EXISTING WHERE SHOWN. SEE DETAIL X/LX-X.X

PARKING LOT LIGHT FIXTURE

RECOMMENDATIONS.

(5) CONCRETE CURB

CONCRETE CURB TO MATCH HEIGHT, COLOR AND WIDTH OF EXISTING CONCRETE CURBS. NEW CURBS TO TIE-IN TO EXISTING AS SHOWN.

TRANSITION TO PARKING LOT. SEE DETAIL X/X-X

NOTIFY LANDSCAPE ARCHITECT IMMEDIATELY IN EVENTS OF

DISCREPANCIES, OMISSIONS, AND/OR CONFLICTS IN THE DRAWINGS OR

SPECIFICATIONS. THE CONTRACTOR IS NOT AUTHORIZED TO SCALE THE

DRAWINGS. ALL QUESTIONS IN REFERENCE TO CONTRACT DOCUMENTS SHALL BE IMMEDIATELY DIRECTED TO THE LANDSCAPE ARCHITECT.

SWT Design, Inc. Missouri State Certificate of Authority #2019038750

Ted Spaid - Landscape Architect

Prepared For:

2515 S. McKnight Road

McKnight Crossings

SWIDESIGN

Church of Christ

St. Louis, MO 63124

Landscape Architect

St. Louis, MO 63119

Consultant Role

XXX.XXX

Consultant Role:

XXX.XXX.XXX

Consultant Name

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t. 314.644.5700

No. Description

06/05/20

Reviewed

KEY PLAN

01 DD Submittal

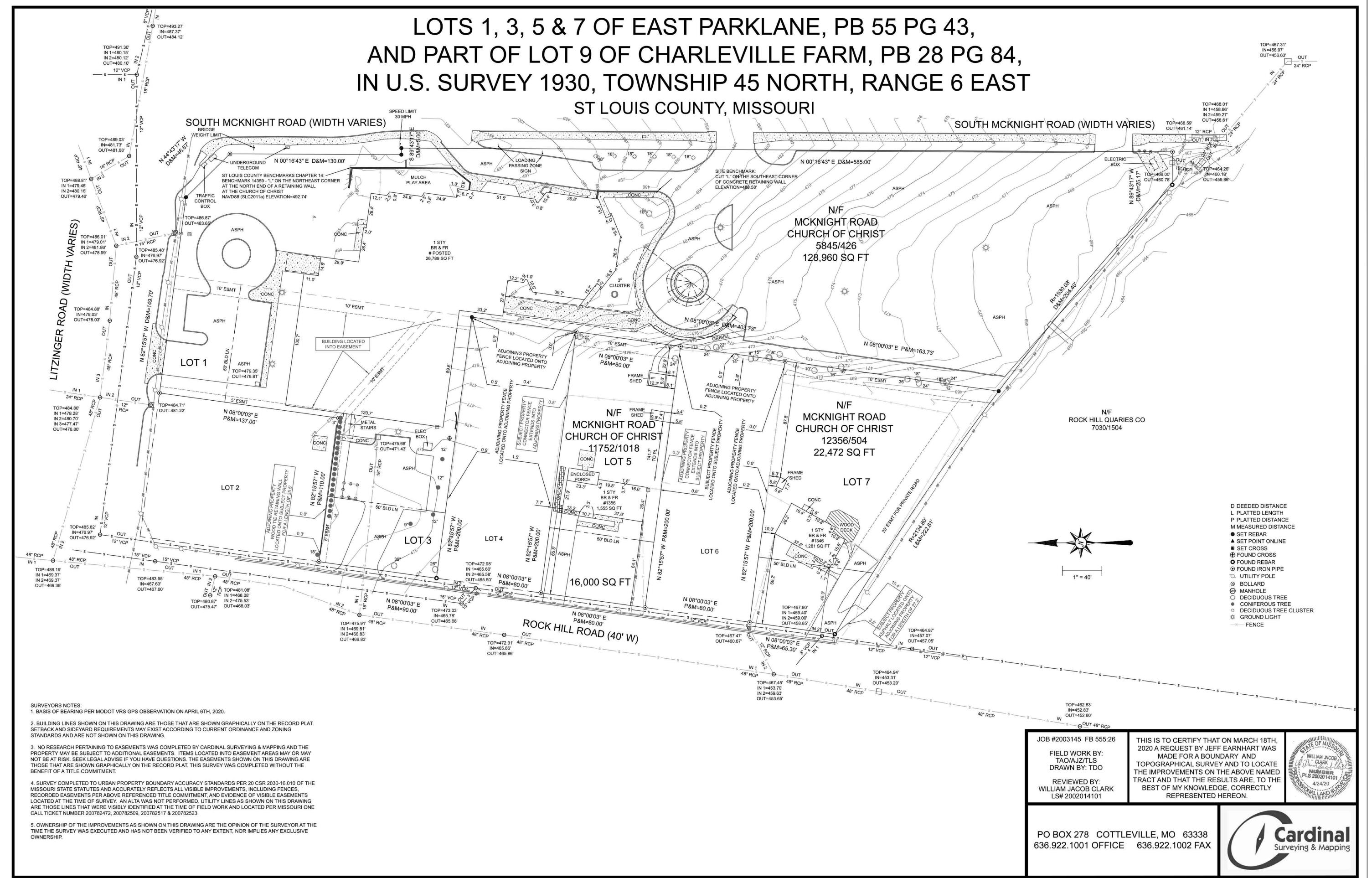
Revisions No. Description

SWT No. 20827.04 MSD No. XXMSD-XXXXX

KP. CB

Number

NOTES AND LEGENDS



2515 S. McKnight Road St. Louis, MO 63124

Prepared For:

McKnight Crossings Church of Christ

Landscape Architect:

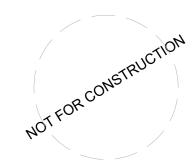


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Missouri State Certificate of Authority #2019038750

KEY PLAN

No. Description 01 DD Submittal

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SWT No. 20827.04

MSD No. XXMSD-XXXXX KP, CB

Sheet Title SITE SURVEY

Number

V-001

2020 5, MISSOURI ONE-CALL SYSTEM INC. MODOT (314) 340-4100

SPECIFICATIONS. THE CONTRACTOR IS NOT AUTHORIZED TO SCALE THE DRAWINGS. ALL QUESTIONS IN REFERENCE TO CONTRACT DOCUMENTS SHALL BE IMMEDIATELY DIRECTED TO THE LANDSCAPE ARCHITECT.

2515 S. McKnight Road St. Louis, MO 63124

McKnight Crossings Church of Christ

Landscape Architect:



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KEY PLAN

No. Description 06/05/20 01 DD Submittal

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SWT No. 20827.04 MSD No. XXMSD-XXXXX

Sheet Title DEMOLITION AND TREE PROTECTION PLAN

LD-100

2020

5,

McKnight Crossings

Prepared For:

SWTDESIGN

Ted Spaid - Landscape Architect

Missouri State Certificate of Authority #2019038750

06/05/20

SWT No. 20827.04 MSD No. XXMSD-XXXXX

OVERALL SITE PLAN

2020

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MISSOURI ONE-CALL SYSTEM INC.

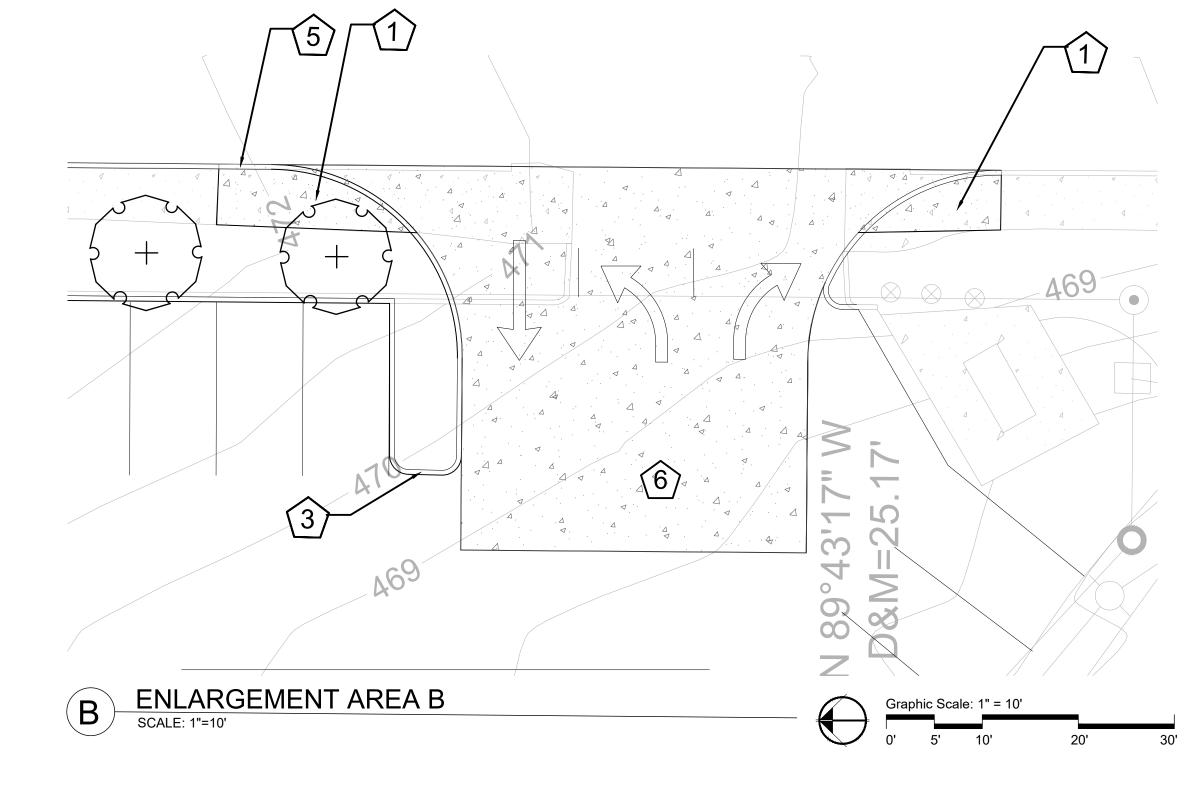
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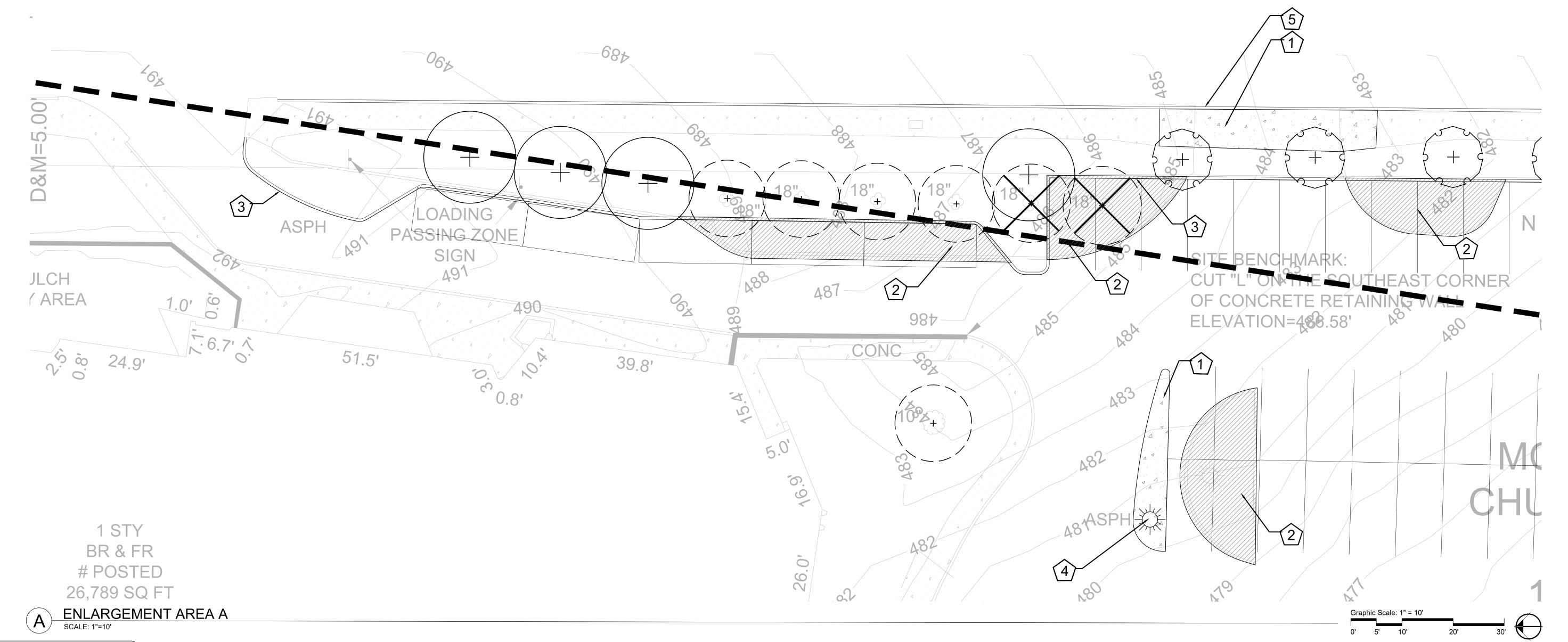
#### LEGEND STANDARD CONCRETE PAVING 4" THICK CONCRETE PAVING, BROOM FINISH. EDGES TO BE 1/4" TOOLED RADIUS. SEE CIVIL DRAWINGS FOR LAYOUT. CONTRACTOR TO COORDINATE LOCATION OF ALL JOINTS WITH LANDSCAPE ARCHITECT. SEE DETAIL x/x-x.x. **ASPHALT PAVING** FULL DEPTH ASPHALT PAVING FOR VEHICULAR TRAFFIC. SEE DETAIL C/L-500 **ROLLED ASPHALT CURB** ROLLED ASPHALT PARKING LOT CURB TO MATCH EXISTING WHERE SHOWN. SEE DETAIL X/LX-X.X PARKING LOT LIGHT FIXTURE LIGHT FIXTURE TO MATCH EXISTING FIXTURE STYLE, COLOR, HEIGHT, AND LIGHT OUTPUT. FOOTING TO BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. 5 CONCRETE CURB CONCRETE CURB TO MATCH HEIGHT, COLOR AND WIDTH OF EXISTING CONCRETE CURBS. NEW CURBS TO TIE-IN TO EXISTING AS SHOWN.

CONCRETE DRIVE APRON

6" DEPTH CONCRETE APRON FOR ROADWAY

TRANSITION TO PARKING LOT. SEE DETAIL X/X-X





NOTIFY LANDSCAPE ARCHITECT IMMEDIATELY IN EVENTS OF DISCREPANCIES, OMISSIONS, AND/OR CONFLICTS IN THE DRAWINGS OR SPECIFICATIONS. THE CONTRACTOR IS NOT AUTHORIZED TO SCALE THE DRAWINGS. ALL QUESTIONS IN REFERENCE TO CONTRACT DOCUMENTS SHALL BE IMMEDIATELY DIRECTED TO THE LANDSCAPE ARCHITECT.

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Consultant Role: **Consultant Name** Consultant Address Line 1 Consultant Address Line 1 XXX.XXX.XXX

Ted Spaid - Landscape Architect MO # LA - 162

SWT Design, Inc. Missouri State Certificate of Authority #2019038750

KEY PLAN

No. Description
01 DD Submittal Date 06/05/20

Revisions

No. Description

SWT No. 20827.04 MSD No. XXMSD-XXXXX

Drawn KP, CB

Sheet Title

**ENLARGEMENT PLAN** 

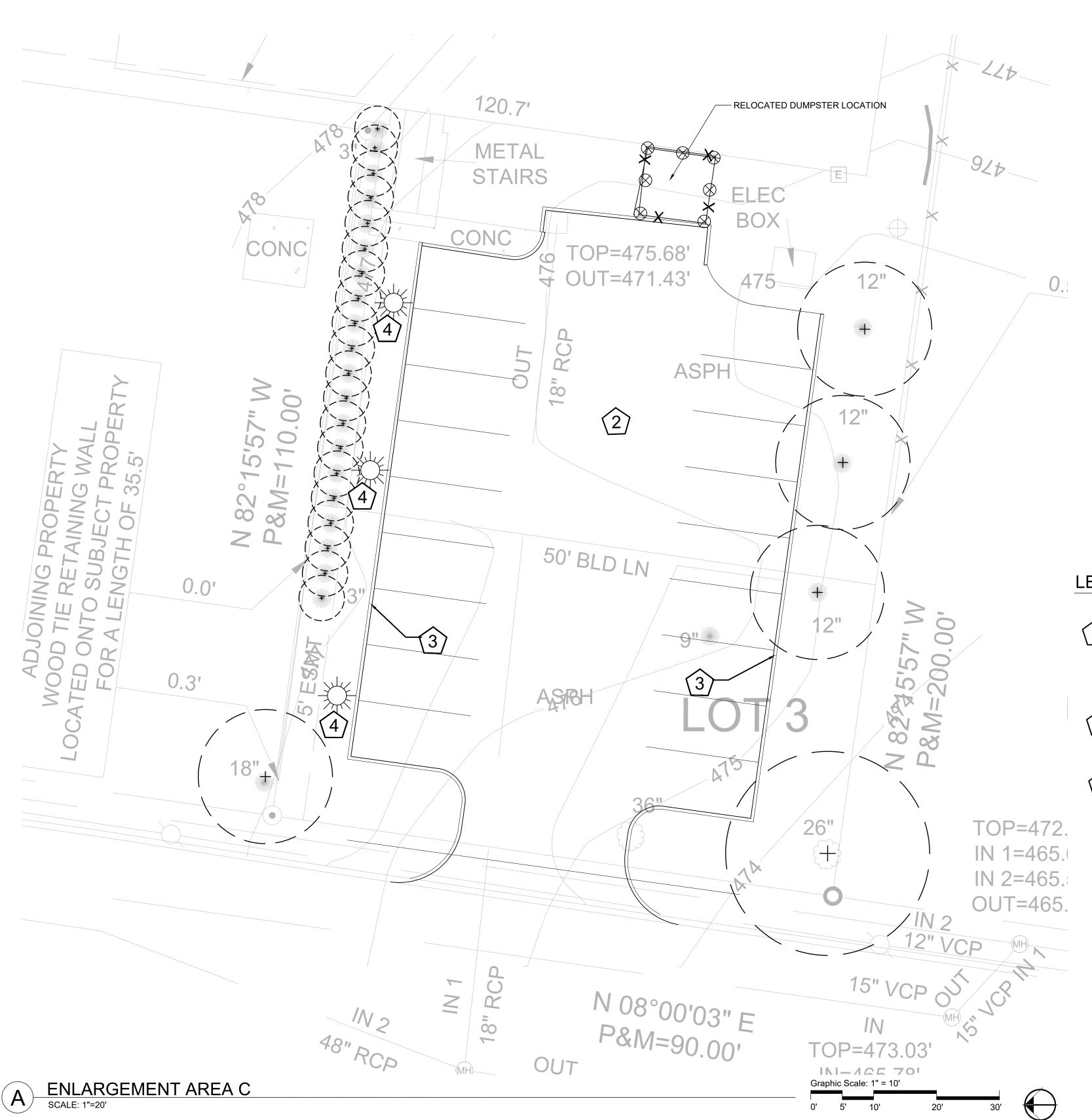
Number

Call Before you DIG TOLL FREE

1-800-344-7483

MISSOURI ONE-CALL SYSTEM INC.

MODOT (314) 340-4100





STANDARD CONCRETE PAVING

4" THICK CONCRETE PAVING, BROOM FINISH. EDGES TO BE 1/4" TOOLED RADIUS. SEE CIVIL DRAWINGS FOR LAYOUT. CONTRACTOR TO COORDINATE LOCATION OF ALL JOINTS WITH LANDSCAPE ARCHITECT. SEE DETAIL x/x-x.x.

**ASPHALT PAVING** 

FULL DEPTH ASPHALT PAVING FOR VEHICULAR TRAFFIC. SEE DETAIL C/L-500

**ROLLED ASPHALT CURB** 

ROLLED ASPHALT PARKING LOT CURB TO MATCH EXISTING WHERE SHOWN. SEE DETAIL X/LX-X.X

PARKING LOT LIGHT FIXTURE

LIGHT FIXTURE TO MATCH EXISTING FIXTURE STYLE, COLOR, HEIGHT, AND LIGHT OUTPUT. FOOTING TO BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.

CONCRETE CURB

CONCRETE CURB TO MATCH HEIGHT, COLOR AND WIDTH OF EXISTING CONCRETE CURBS. NEW CURBS TO TIE-IN TO EXISTING AS SHOWN.

6 CONCRETE DRIVE APRON

6" DEPTH CONCRETE APRON FOR ROADWAY TRANSITION TO PARKING LOT. SEE DETAIL X/X-X

> NOTIFY LANDSCAPE ARCHITECT IMMEDIATELY IN EVENTS OF DISCREPANCIES, OMISSIONS, AND/OR CONFLICTS IN THE DRAWINGS OR SPECIFICATIONS. THE CONTRACTOR IS NOT AUTHORIZED TO SCALE THE DRAWINGS. ALL QUESTIONS IN REFERENCE TO CONTRACT DOCUMENTS SHALL BE IMMEDIATELY DIRECTED TO THE LANDSCAPE ARCHITECT.

Prepared For:

2515 S. McKnight Road St. Louis, MO 63124

McKnight Crossings Church of Christ

Landscape Architect:



7722 Big Bend Blvd. St. Louis, мо 63119 t. 314.644.5700

> Consultant Role: **Consultant Name** Consultant Address Line 1 Consultant Address Line 1 XXX.XXX.XXX

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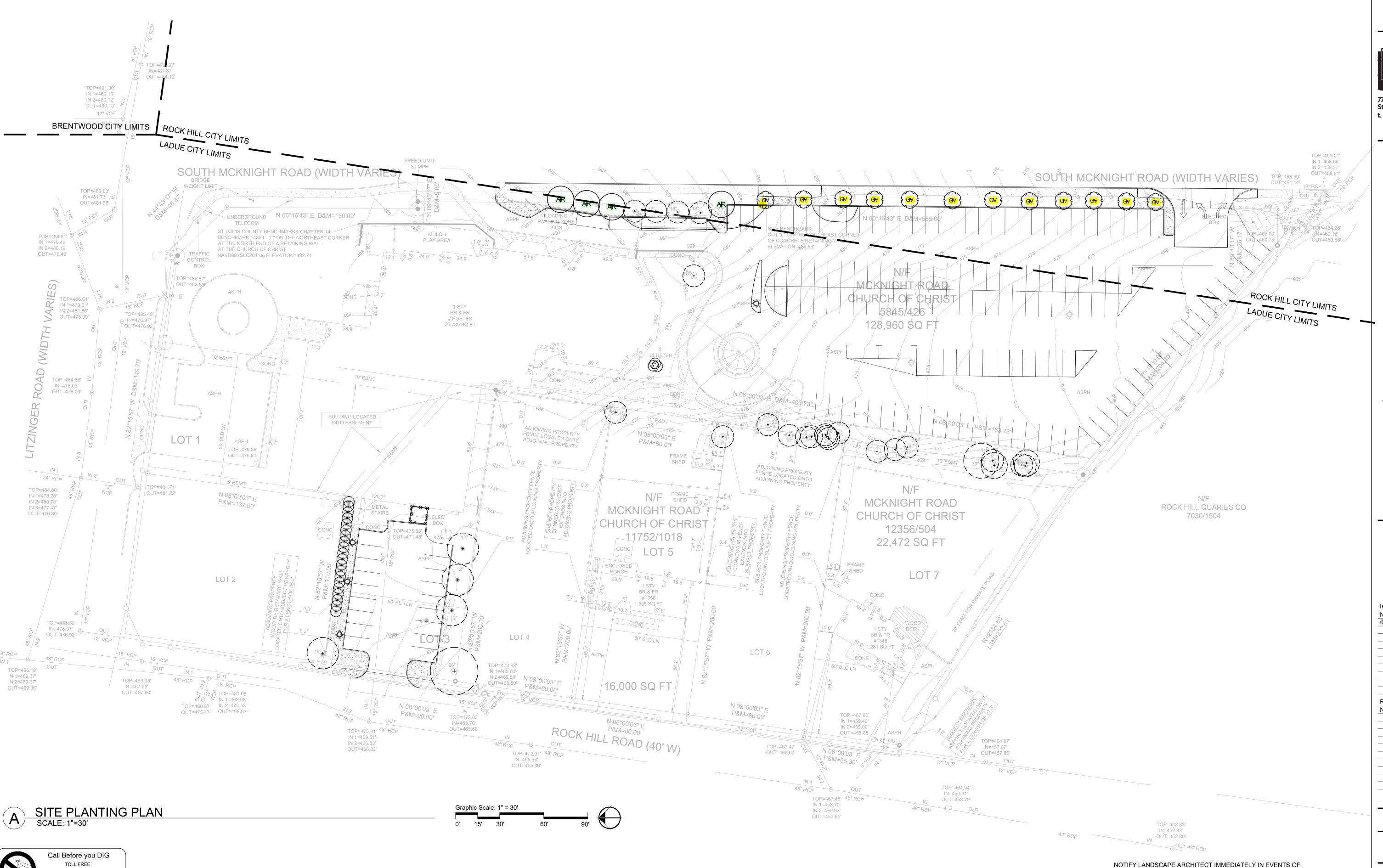
Sheet Title

**ENLARGEMENT PLAN** Number

1-800-344-7483

MISSOURI ONE-CALL SYSTEM INC.

MODOT (314) 340-4100



PLANT SCHEDULE

GROUND COVERS QTY

2,319 sf

BOTANICAL NAME

BOTANICAL NAME

Chionanthus virginicus

Festuca spp. Fescue Mix

Acer rubrum

COMMON NAME

White Fringetree

COMMON NAME

Turf-typeTall Fescue

Red Maple

SPACING

As Shown

As Shown

TYPE

Prepared For:

2515 S. McKnight Road St. Louis, MO 63124

McKnight Crossings Church of Christ

Landscape Architect:



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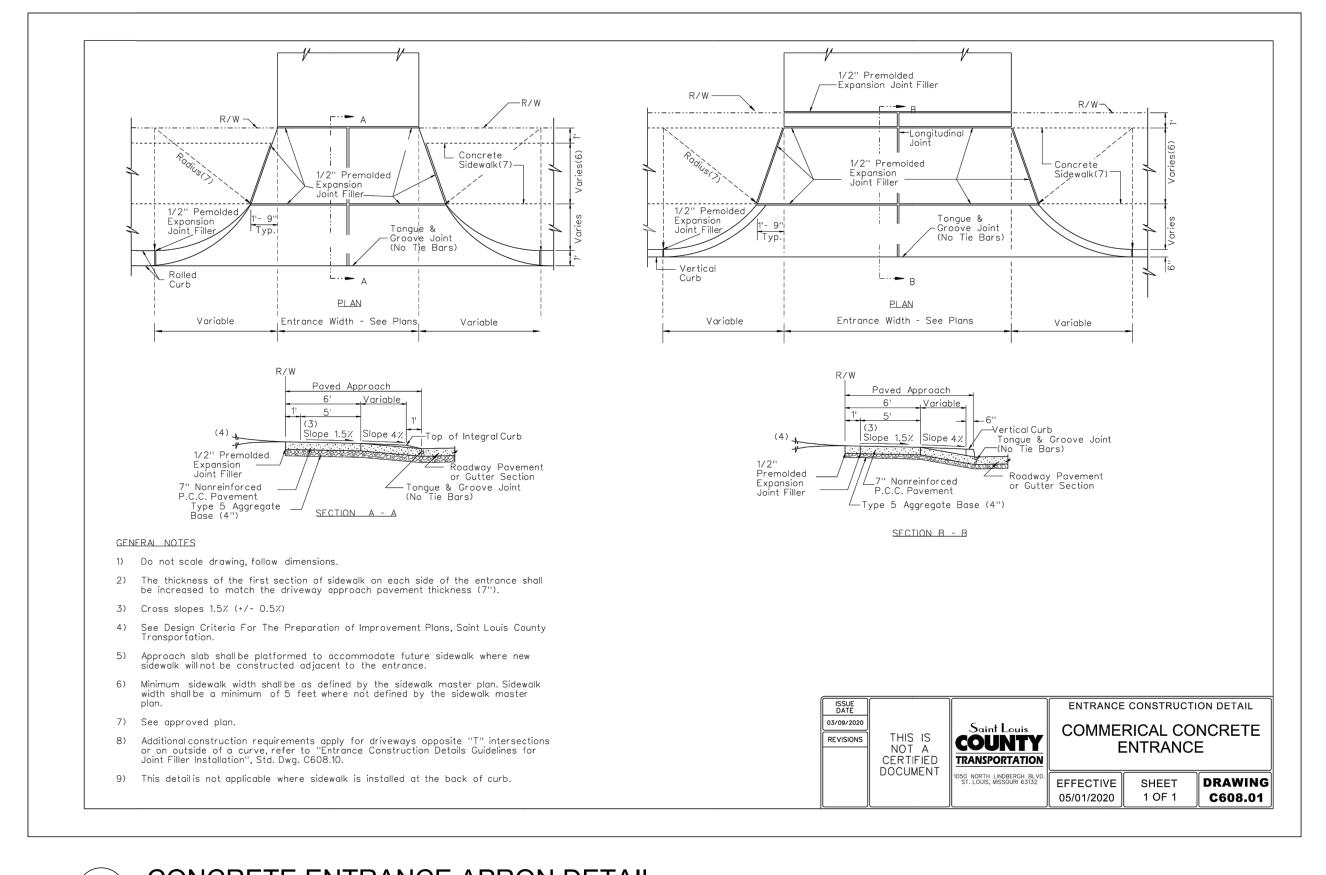
DISCREPANCIES, OMISSIONS, AND/OR CONFLICTS IN THE DRAWINGS OR SPECIFICATIONS. THE CONTRACTOR IS NOT AUTHORIZED TO SCALE THE

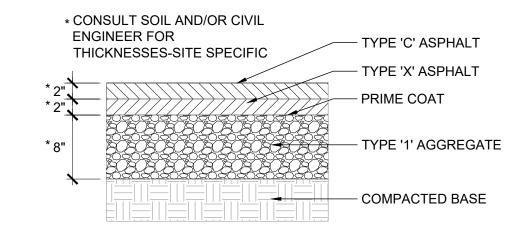
DRAWINGS. ALL QUESTIONS IN REFERENCE TO CONTRACT DOCUMENTS

SHALL BE IMMEDIATELY DIRECTED TO THE LANDSCAPE ARCHITECT.

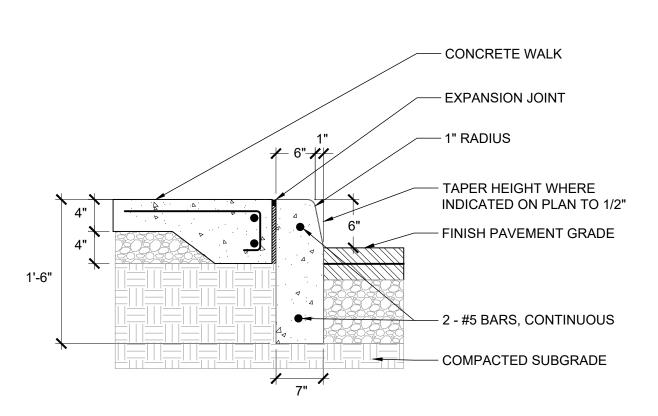
SITE PLANTING PLAN

Number

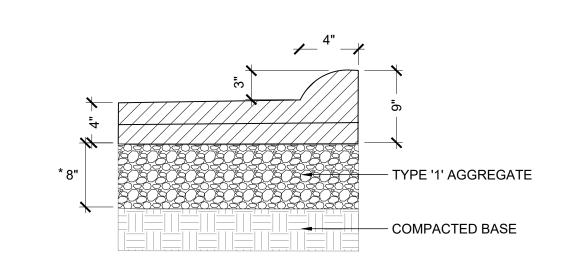




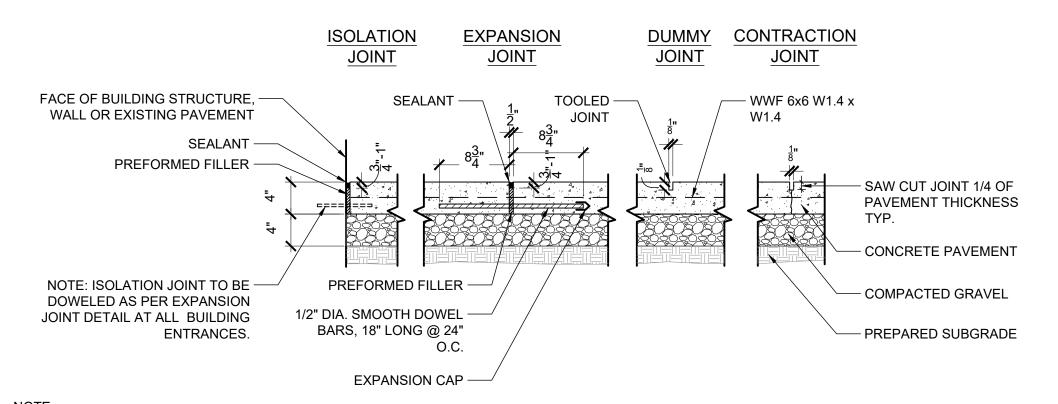
#### **ASPHALT ROAD PAVEMENT** SCALE: X"=X'



## CONCRETE CURB AT CONCRETE WALK SCALE: X"=X'



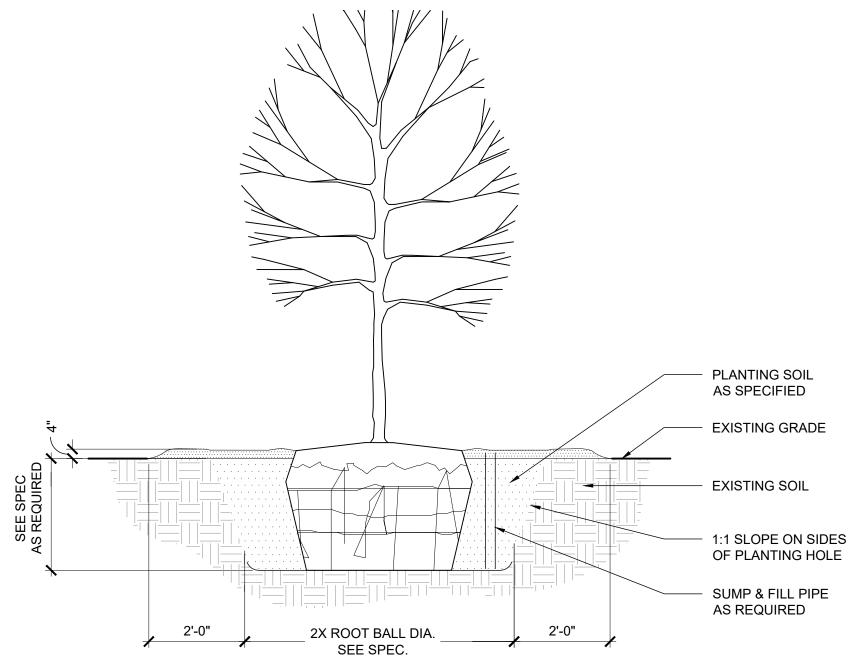
### ROLLED ASPHALT CURB



1. SELF LEVELING SEALANT IS NOT ACCEPTABLE. CONTRACTOR SHALL PROVIDE PRODUCT DATA AND COLOR INFORMATION TO OWNER FOR APPROVAL.



CONCRETE ENTRANCE APRON DETAIL
SCALE: X"=X'



THIS DETAIL APPLIES TO ALL TREE TYPES, CANOPY, FLOWERING, AND EVERGREEN TREES. 2. DO NOT HEAVILY PRUNE THE TREE AT PLANTING. PRUNE ONLY CROSSOVER LIMBS, CO-DOMINANT LEADERS, AND BROKEN OR DEAD BRANCHES. SOME INTERIOR TWIGS AND LATERAL BRANCHES MAY BE PRUNED; HOWEVER, DO NOT REMOVE THE TERMINAL BUDS OF BRANCHES THAT EXTEND TO THE EDGE OF THE CROWN.

DOWN 8 IN. INTO PLANTING HOLE. 4. WRAP TREE TRUNKS ONLY UPON THE APPROVAL OF THE LANDSCAPE ARCHITECT. SEE WRAPPING DETAIL.

3. IF PLANT IS SHIPPED WITH A WIRE BASKET AROUND THE ROOT BALL, CUT THE WIRE BASKET IN FOUR PLACES AND FOLD

5. MARK THE NORTH SIDE OF THE TREE IN THE NURSERY, AND ROTATE TREE TO FACE NORTH AT THE SITE WHEN EVER POSSIBLE.

WHERE THE TRUNK FLARE IS NOT VISIBLE SHALL BE REJECTED. DO NOT COVER THE TOP OF THE ROOT BALL WITH

6. SET TOP OF ROOT BALL FLUSH TO GRADE OR 1-2 IN. HIGHER IN SLOWLY DRAINING SOILS 7. 2 IN. MULCH. DO NOT PLACE MULCH IN CONTACT WITH TREE TRUNK. MULCH RING 6 FT. DIAMETER MINIMUM, 8FT.

DIAMETER PREFERRED. 8. STAKE TREES ONLY UPON THE APPROVAL OF THE LANDSCAPE ARCHITECT SEE STAKING DETAIL.

9. PLACE ROOT BALL ON UNEXCAVATED OR TAMPED SOIL. 10. TAMP SOIL AROUND ROOT BALL BASE FIRMLY WITH FOOT PRESSURE SO THAT ROOT BALL DOES NOT SHIFT. 11. EACH TREE MUST BE PLANTED SUCH THAT THE TRUNK FLARE IS VISIBLE AT THE TOP OF THE ROOT BALL. TREES

12. 4 INCHES (100MM) HIGH EARTH SAUCER BEYOND EDGE OF ROOT BALL. 13. REMOVE ALL TWINE, ROPE AND WIRE, AND BURLAP FROM TOP HALF OF ROOT BALL

TREE PLANTING DETAIL



PLANT SCHEDULE

GROUND COVERS QTY

BOTANICAL NAME

BOTANICAL NAME

2,319 sf Festuca spp. Fescue Mix

Chionanthus virginicus

Acer rubrum

COMMON NAME

White Fringetree

COMMON NAME

Turf-typeTall Fescue

SPACING

As Shown

As Shown

TYPE

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2515 S. McKnight Road St. Louis, MO 63124 McKnight Crossings Church of Christ

Landscape Architect: SWIDESIGN

7722 Big Bend Blvd. St. Louis, MO 63119 t. 314.644.5700

Prepared For:

Consultant Role: **Consultant Name** Consultant Address Line 1 Consultant Address Line 1 XXX.XXX.XXX

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**DETAILS** 

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