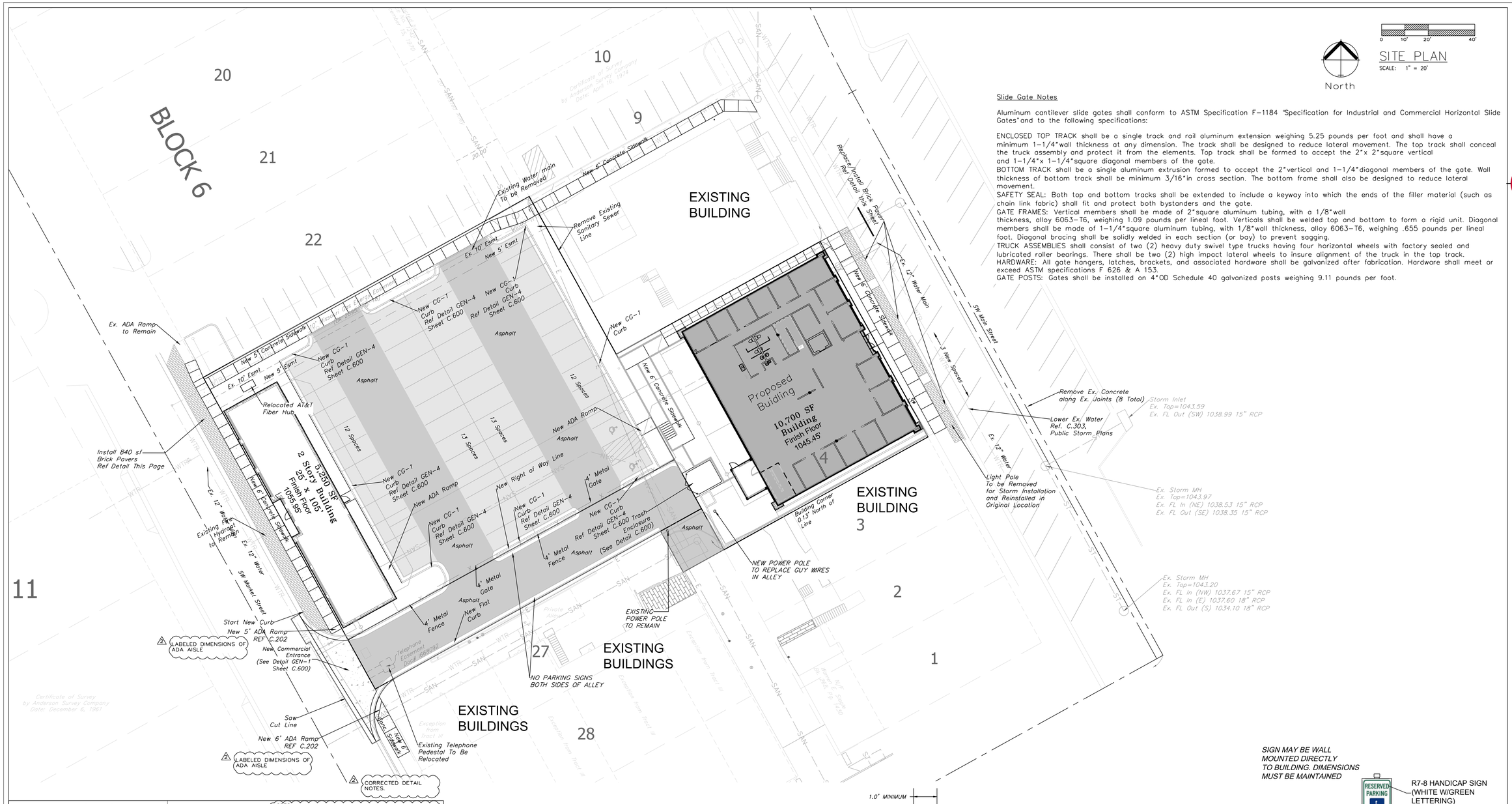

0 10' 20' 40'

North

SITE PLAN
SCALE: 1" = 20'

Slide Gate Notes

Aluminum cantilever slide gates shall conform to ASTM Specification F–1184 "Specification for Industrial and Commercial Horizontal Slide Gates" and to the following specifications:

ENCLOSED TOP TRACK shall be a single track and rail aluminum extension weighing 5.25 pounds per foot and shall have a minimum 1–1/4" wall thickness at any dimension. The track shall be designed to reduce lateral movement. The top track shall conceal the truck assembly and protect it from the elements. Top track shall be formed to accept the 2" x 2" square vertical and 1–1/4" x 1–1/4" square diagonal members of the gate.
BOTTOM TRACK shall be a single aluminum extrusion formed to accept the 2" vertical and 1–1/4" diagonal members of the gate. Wall thickness of bottom track shall be minimum 3/16" in cross section. The bottom frame shall also be designed to reduce lateral movement.
SAFETY SEAL: Both top and bottom tracks shall be extended to include a keyway into which the ends of the filler material (such as chain link fabric) shall fit and protect both bystanders and the gate.
GATE FRAMES: Vertical members shall be made of 2" square aluminum tubing, with a 1/8" wall thickness, alloy 6063–T6, weighing 1.09 pounds per lineal foot. Verticals shall be welded top and bottom to form a rigid unit. Diagonal members shall be made of 1–1/4" square aluminum tubing, with 1/8" wall thickness, alloy 6063–T6, weighing .655 pounds per lineal foot. Diagonal bracing shall be solidly welded in each section (or bay) to prevent sagging.
TRUCK ASSEMBLIES shall consist of two (2) heavy duty swivel type trucks having four horizontal wheels with factory sealed and lubricated roller bearings. There shall be two (2) high impact lateral wheels to insure alignment of the truck in the top track.
HARDWARE: All gate hangers, latches, brackets, and associated hardware shall be galvanized after fabrication. Hardware shall meet or exceed ASTM specifications F 626 & A 153.
GATE POSTS: Gates shall be installed on 4" OD Schedule 40 galvanized posts weighing 9.11 pounds per foot.

CITY SIDEWALK | BRICK PAVERS

CORRECTED DETAIL LABELS.

4" KCMMB 4K MIX CONCRETE (SIDEWALK) WITH SAWCUTS AND EXPANSION JOINTS AS PER THE CITY OF LEE'S SUMMIT DESIGN AND CONSTRUCTION MANUAL AS ADOPTED BY ORDINANCE 5813.

MAX 1.5% SLOPE

BRICK PAVERS TO MATCH EXISTING BRICK PAVERS IN AREA
1/2" CLEAN SAND
FILTER FABRIC
CONC. CURB AND GUTTER
6" AGGREGATE – ASTM C33 SIZE NO. 57
4" KCMMB 4K MIX
SOIL SCARIFIED TO A NOMINAL DEPTH OF 6" 95% OF MATERIAL'S MAXIMUM STANDARD PROCTOR

NOTES:
1. After placement the pavers must be sanded and sand must be broomed in.
2. Cut brick as necessary to achieve a perfect fit to surrounding brick pavers. Gaps will not be allowed.
3. The brick pattern should identically match the existing pattern of the existing pavers. Paver material and color will match the existing material and color.
4. Expansion joints and contraction joints must be made in the PCC base, as well as weep holes with permeable geofabric drilled/placed on each PCC underlayment panel, on each panel, on the low side.

SIDEWALK/ BRICK PAVER DETAIL
NOT TO SCALE

10' NOMINAL CENTER TO CENTER
RAIL BRACKET
POST TOP
1 3/8" X 1 1/2" U-CHANNEL RAIL
½" SQ. PICKET
2" SQ. POST
INDUSTRIAL DRIVE RIVET
4' HEIGHT

Hatch Areas Represents the Drive Lane Pavement Areas

Hatch Areas Represents the Parking Stall Pavement Areas

BLACK WROUGHT IRON FENCE DETAIL
NOT TO SCALE

1.0' MINIMUM
1.5" ASPHALTIC CONCRETE SURFACE APWA TYPE 3–01
5" APWA TYPE 1–01 ASPHALT CONCRETE BASE
6" GRAVEL BASE WITH GEOGRID (MoDOT Type 5 aggregate or equivalent) Extend Geo-Grid and Base Rock to 1 foot behind curb throughout parking lot

"DRIVE LANE" PRIVATE ASPHALT PAVEMENT
NOT TO SCALE

1.0' MINIMUM
1.5" ASPHALTIC CONCRETE SURFACE APWA TYPE 3–01
4" APWA TYPE 1–01 ASPHALT CONCRETE BASE
6" GRAVEL BASE WITH GEOGRID (MoDOT Type 5 aggregate or equivalent) Extend Geo-Grid and Base Rock to 1 foot behind curb throughout parking lot

"PARKING STALLS" PRIVATE ASPHALT PAVEMENT
NOT TO SCALE

SIGN MAY BE WALL MOUNTED DIRECTLY TO BUILDING. DIMENSIONS MUST BE MAINTAINED

RESERVED PARKING
VAN ACCESSIBLE
36"–60" ABOVE FINISH GRADE
R7-8 HANDICAP SIGN (WHITE W/GREEN LETTERING)
R7-8P HANDICAP VAN ACCESSIBLE SIGN WERE REQUIRED
MOUNT ON ADJACENT BUIDLING OR PROVIDE A 2" INSIDE DIA. SCHED. 40 GALV. STEEL POLE
FINISHED GRADE
12" DIA. x 24" DEEP CONCRETE FOOTING

HANDICAP SIGN DETAIL
NOT TO SCALE

ENGINEERING SOLUTIONS
ENGINEERING & SURVEYING
50 SE 30TH STREET
LEE'S SUMMIT, MO 64082
P:(816) 623-9888 F:(816)623-9849

Professional Registration
Missouri
Engineering 2005002186-D
Surveying 2005008319-D
Kansas
Engineering E-1695
Surveying LS-218
Oklahoma
Engineering 6254
Nebraska
Engineering CA2821

Construction Plans for:
Reece Nichols
Lee's Summit, Jackson County, Missouri

Project: REECE AND NICHOLS, LSMO
Issue Date: January 29, 2019

SITE PLAN
Construction Plans for:
Reece Nichols
Lee's Summit, Jackson County, Missouri

Matthew J. Schlicht
MO PE 2006019708
KS PE 19071
OK PE 25226

REVISIONS
1 Revised 4/2/19
2 Revised 5/8/19