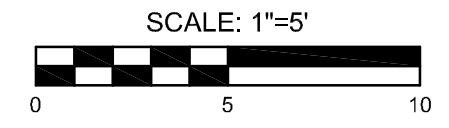
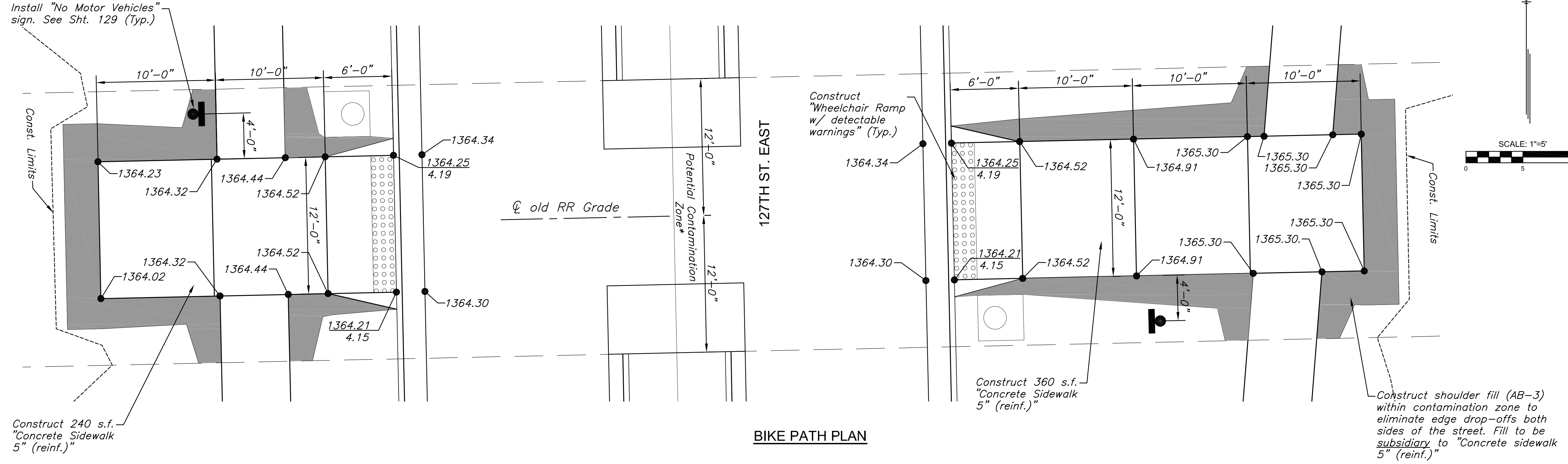


| | | | | |
|--------|--------------|------|-----------|--------------|
| STATE | PROJECT NO. | YEAR | SHEET NO. | TOTAL SHEETS |
| KANSAS | 87 N-0615-01 | 2017 | 125 | 183 |



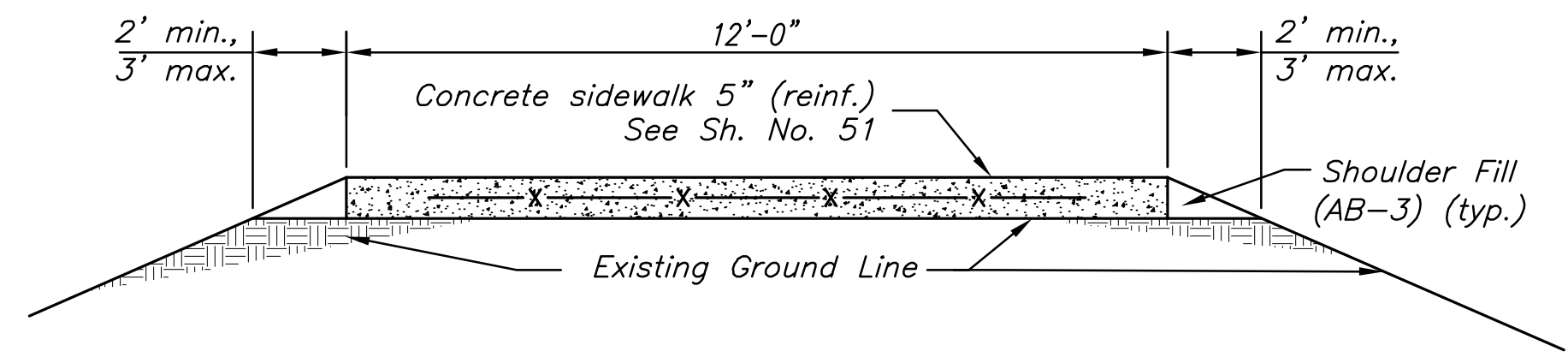
PLOTTED: Wednesday, November 29, 2017 @ 03:27PM
 J:\PROJECTS\2017\1401040260 - COM_127THE_13TH TO 21ST STS-CIVIL\ROAD IMPROV\426RIND1.DWG



BIKE PATH PLAN

GENERAL NOTES

- WORKING WITH CONTAMINATED SOILS
- Contractor shall take precaution in grading material off of surface in abandoned RR right-of-way. Disturbance of rock ballast could release contaminants into the environment and expose workers to contaminated soil (namely lead and arsenic). It is recommended that any necessary digging be done while wearing gloves and breathing apparatus. The extent of potentially contaminated soil is limited to a 24 foot wide strip centered about the center of the old rail which is now the center of the proposed Red Bud trail (Sta. 36+21.86). The area of roadway cut through this strip is 95.0 square feet which translates to a volume of 84.5 cubic yards.
 - The contractor must employ/contract a Professional Engineer/Geologist that understands and is able to manage special and hazardous waste found in soils (high levels of lead and arsenic). It is believed that the top 2 feet of most of former rail bed is contaminated. The contractor's environmental team will be responsible for profiling the soils during the excavation of the soils, segregating the soils if desired, and assisting with the selection of the appropriate method of disposal for contaminated soils. The environmental team must also provide a soils management plan and safe handling plan for the City and the contractor's staff; the plan must outline the approach to project, safety measures for staff and public during excavation, safety equipment needed, methods of decontamination of equipment, control of dust, and containment and protection of potential contaminated soils while profiling and awaiting disposal. The Contractor's environmentalist's soils management plan and the safety plan shall be submitted to Shawn Maloney with Environmental Services at 268-8351 who will submit it for approval by KDHE.
 - Control dust by using engineering controls that reduce the exposure of the workers to permissible exposure limits (PEL) of 0 micrograms of lead per cubic meter of air as specified by OSHA. It is recommended that someone within the Contractor's company have HAZWOPER training to advise workers of situations that they may uncover.
 - The Contractor shall adhere to the National Oil and Hazardous Substances Pollution Contingency Plan (40 CFR 300).
 - The soils within the abandoned railroad track bedding are assumed to all be a special waste classification and not hazardous waste. If soil tests reveal hazardous waste soils, the additional costs of containing with such waste (above the cost of special waste handling and treatment) will be covered with a change order. The bid item "Excavation, Special" is to cover all costs for soil removal and treatment of special waste soil within the abandoned railroad corridor (including for installation of the road, storm sewer, and other work in said area).



SECTION

PATH BASE
 When the path and walk are over the Existing Railroad Embankment, the base shall be the existing Rail Bed Aggregate Material. Base grading and manipulation shall be SUBSIDIARY to the concrete path. The aggregate base shall be compacted and smoothed with a steel faced roller prior to placement of the pavement.

BACKFILL
 Backfill shall be clean, uncontaminated topsoil. No material originating from the Railroad Embankment shall be used for backfill and must be disposed of in approved manner.

SHOULDER
 Contractor to install new shoulder material. New shoulder material shall be AB-3 or approved equal. Shoulder to be rolled for compaction and smoothness. Shoulder material, placement and compaction to be SUBSIDIARY to other items of work.

STREET IMPROVEMENTS FOR
127TH STREET EAST
 FROM 13TH STREET NORTH TO 21ST STREET NORTH

©2017 MKEC Engineering All Rights Reserved
 These drawings and their contents, including, but not limited to, all concepts, designs, & ideas are the exclusive property of MKEC Engineering (MKEC), and may not be used or reproduced in any way without the express consent of MKEC.

ROADSIDE IMPROVEMENT DETAILS

| | | |
|-------------|-----------|---------|
| PROJECT NO. | 472-85158 | |
| DATE | 11/29/17 | |
| SCALE | 1"=5' | |
| DESIGNED | DRAWN | CHECKED |
| JRA | LES | JRA |
| NO. | REVISION | DATE |

SHEET NO.
 125 OF 183