

2021 STANDARD DETAILS **Summary of Changes**

D-100 GENERAL NOTES

1. Revised note 32. Added Mike Piller as the contact for JCW.
2. Added the following to note 11; CONTRACTOR MUST ALSO ADHERE TO SECTION VII "RESPONSIBILITIES OF THE EXCAVATOR" OF THE KANSAS ONE CALL EXCAVATORS MANUAL (https://kansas811.com/wp-content/uploads/2020/02/koc_excavator_manual_2009.pdf); THE KANSAS UNDERGROUND UTILITY DAMAGE PREVENTION ACT (KUUDPA); THE KANSAS STATE STATUTES; OR ANY REGULATIONS DEVELOPED BY THE KANSAS CORPORATION COMMISSION (KCC).
3. Created new note 12; THE CONTRACTOR SHOULD FOLLOW CHAPTER 5 "EXCAVATION" OF THE COMMON GROUND ALLIANCE (CGA) BEST PRACTICES MANUAL, CURRENT VERSION.
4. Added COMMUNICATIONS HAND HOLES to note 16.
5. Created new note 49; THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSING OF ANY ABANDONED UTILITY CABLE, FIBER OR CONDUIT THAT IS EXPOSED DURING CONSTRUCTION.

D-101 STREET SECTIONS JOINT LAYOUT MONUMENT BOX

1. Revised moisture range for 12" Type AA to MR-0-5.
2. Removed reference to fly ash modified subgrade and replaced with reference to technical specification S-212 Subgrade.
3. Revised residential street section sidewalk width to 5' and moved to the edge of the Right-of-Way.
4. Added Utility Easement and Sidewalk Easements to the residential street section.
5. Added † to the major street section table to note varies – per City of Lenexa complete streets study, contact engineering.

D-104 CURB & GUTTER JOINT DETAILS

1. Removed Type C curb & gutter.
2. Revised note 3 to include Type 2 joints at 150'
3. Revised note 8 to require tool joints to be D/4 or "opened up" by sawing.

D-105 UTILITY TRENCHING

1. Added the following note to the Street Plate detail; THE 1' EITHER SIDE OF THE ORIGINAL TRENCH SHALL NOT BE REMOVED UNTIL BACKFILL HAS BEEN PLACED AND COMPACTED.

2. Revised Trenching in Existing Concrete Paved Area detail to require tie bars for longitudinal joints and dowel bars for transverse joints.
3. Added the following note to the Trenching in Existing Asphalt/Concrete Paved Area details and the Utility Trenching in Unpaved Areas; EXISTING EXPOSED UTILITIES SHALL BE BACKFILLED PER THE UTILITY PROVIDORS REQUIREMENTS.

D-106 MEDIANS & UNDER DRAINS

1. Removed all references for the PVC Sleeve in the Median Nose detail.
2. Clarified that filter fabric is to be placed entirely under the brick pavers.

D-200 ENTRANCES

1. Revised Rural Residentail Drive notes to require 6" asphaltic concrete base and 2" of asphaltic concrete surface or 6" KCMMB-4K concrete.
2. Revsied the joint between the curb & gutter and the drive to a Type 3 joint for all drive details.
3. Deleted note for residential drives stating that the curb & gutter adjacent to drive is included in bid item "residential drive".

D-201 PEDESTRIAN WALKWAYS

1. Removed ADA ramp details and revised sheet to D-204 PEDESTRIAN WALKWAYS.
2. Pedestrian Rail Detail
 - a. Revised anchor bolts to Red Head Trubolts Wedge Anchors WW-3850 S.S.
 - b. Added non-shrink grout to base plate.
 - c. Revised Paint Specificaiton to the following; ALL STEEL HANDRAIL SHALL HAVE A DUPLEX COATING SYSTEM WITH A FINISH COAT OF BLACK. GALVANIZE ALL HANDRAIL COMPONENTS IN ACCORDANCE WITH ASTM A123, PREPARE GALVANIZED SURFACES IN ACCORDANCE WITH ASTM D6386, APPLY SHERWIN WILLIAMS RECOATABLE EPOXY PRIMER WITH A DRY FILM THICKNESS OF 4.0-6.0 MILS, APPLY SHERWIN WILLIAMS HI-SOLIDS POLYURETHANE WITH A DRY FILM THICKNESS OF 3.0-5.0 MILS OR APPROVED EQUAL.
3. Integral Sidewalk Retaining Wall Detail
 - a. Clarified that "L" bars are required.
 - b. Clarified that the ¾" clean rock and geotextile fabric is for the length of he retaining wall.
 - c. Revised note 25 to the following; PENETRATING STAIN SHALL BE SHERWIN WILLIAMS CONCRETE STAIN SOLID COLOR WATER BASED OR APPROVED EQUAL TINTED TO MATCH; ORANGE- FEDERAL STANDARD 30257, BASIC LIMESTONE - FEDERAL STANDARD 33510 (BASE COLOR), DARK GRAY 2 - SHERWIN WILLIAMS 6151 QUIVER TAN, DARK GRAY - FEDERAL STANDARD 30318, YELLOW - FEDERAL STANDARD 33448, GRAY JOINT COLOR - FEDERAL STANDARD 36440.

D-202 DRAINAGE DETAILS

1. Reivsed sheet to D-205.
2. Clarified the limits of the cantilevered lid in the plan view.
3. Revised section B-B to show Type 1 joints.
4. Added title to the detail – CURB INLET ENCROACHING ON SIDEWALK.

D-201 SIDEWALK RAMP DETAILS 1

1. New sheet.

D-202 SIDEWALK RAMP DETAILS 2

1. New sheet.

D-203 SIDEWALK RAMP DETAILS 3

1. New sheet.

D-300 STORM SEWER INLETS

1. Deleted duplicate Yard/Area Inlet detail.
2. Added thick lines to separate individual details.
3. Revised Curb Inlet Top Removal and Replacement Detail joint to a Type 1.

D-301 STORM SEWER MANHOLES & JUNCTION BOXES

1. Revised Pre-Cast Manhole Note 2 to state KCMMB 4K Concrete.

D-302 STORM SEWER 1

1. Revised the 4' pop-up emitter location for sump pump connections to be a minimum of 4' behind the R/W.
2. Added the following notes to the Sump Pump Connection detail and removed from the Pipe Bedding detail;
 2. WHENEVER AN INLET OR JUNCTION BOX IS PRESENT WITHIN THE PROPERTY, THE SUMP PUMP LINE SHALL CONNECT TO THE STRUCTURE.
 3. MINIMUM COVER OVER THE SUMP PUMP LINE WITHIN PUBLIC RIGHT OF WAY SHALL BE 12".
 4. GRANULAR BACKFILL SHALL BE USED FOR SUMP PUMP LINE WITHIN THE RIGHT OF WAY AND SHALL BE INSTALLED TO THE DIMENSIONS ON THIS DETAIL. GRANULAR FILL SHALL BE PER TABLE 1.
 5. MAXIMUM TRENCH WIDTH ON THE SUMP PUMP LINE SHALL BE 12" EXCEPT AT THE STORM SEWER CONNECTION.

D-502 EROSION AND SEDIMENT CONTROL 2

1. Removed references of rock, gravel and aggregate for the gravel filter for curb and area inlet details.
2. Revised the gravel filter for curb inlet and area inlet to inlet protection for curb inlet and area inlet.
3. Added the following notes for the inlet protection for curb inlet and area inlet;
 1. COMMERCIALY MANUFACTURED MESH FILTER BAGS CONTAINING PERMEABLE MATERIAL TO SLOW AND FILTER STORMWATER RUNOFF, WITH A MINIMUM FLOW RATE OF 35 GPM/SF.
 2. FILLER SHALL CONSIST OF PERVIOUS NON-BIODEGRADABLE MATERIAL HAVING A MINIMUM UNIT WEIGHT OF 4 OUNCES PER SQUARE YARD. THE MULLEN BURT STRENGTH SHALL EXCEED 300 POUNDS PER SQUARE INCH

PER ASTM D3786 AND SHALL HAVE ULTRAVIOLET STABILITY EXCEEDING 70% PER ASTM D4355.

3. SHALL BE LOCATED AS SHOWN ON THE PLANS AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
4. REMOVE ANY VISIBLE ACCUMULATION OF SEDIMENT. REPLACE AS NECESSARY TO MAINTAIN FUNCTION AND INTEGRITY OF INSTALLATION.

D-700 POLE FOUNDATION DETAIL

1. Added Anti-Theft Device to the summary of street lighting quantities.
2. Lengthened the 2" conduit above the top of the foundations. 33" on 40' and 30' poles, 24" on 20' and 14' poles.

D-703 BASE & LUMINAIRE DETAILS

1. Removed Post Top Luminaire detail.
2. Added anti-theft device detail.
3. Included a wiring diagram showing the conduit extending above the handhole and where multi-tap and breaker-type fuse are located inside pole.

D-801 SIGNAL SUMMARY OF QUANTITIES

1. Added Cat6 Outdoor-Rated Cable to the Traffic Signal Summary of Quantities.
2. Added Loop Amplifier Card Model LMD 622 to the Controller and Cabinet Description.

D-807 CAMERA OPTICOM & SIGN MOUNTING DET.

1. Added the following note to the CCTV Camera Mounting Detail; CAT6a shielded outdoor rated cable.

D-905 SIGN DETAILS

1. Added the following note 3; ANCHORS FOR STOP SIGN ASSEMBLIES THAT WILL INCLUDE STREET NAME SIGNS SHALL BE 48" IN LENGTH.
2. Added new note 6. FOR ASSEMBLIES THAT ARE MOUNTED IN MEDIANS, THE CONTRACTOR SHALL CORE DRILL A 6" DIAMETER HOLE AND UTILIZE ACCESSORIES SQUARED PART NO. HDA200-30-G ANCHORS, OR APPROVED EQUAL. ANCHORS SHALL BE SET IN CONCRETE USING A CIRCULAR OR SQUARE FOR SO THE FINISHED GRADE OF THE CONCRETE MATCHES THE GRADE OF THE MEDIAN.

D-907 ADVANCED SIGN DETAIL

1. Deleted the soil anchor model No. SB8-CTWA48-G.

D-1000 TRAFFIC CONTROL DETAILS

1. Added the following note 11; _THE CITY ENGINEER MAY REQUIRE THE CONTRACTOR TO WORK OVERNIGHT OR ON WEEKENDS FOR PROJECTS THAT CAUSE SIGNIFICANT DISRUPTION TO TRAFFIC.