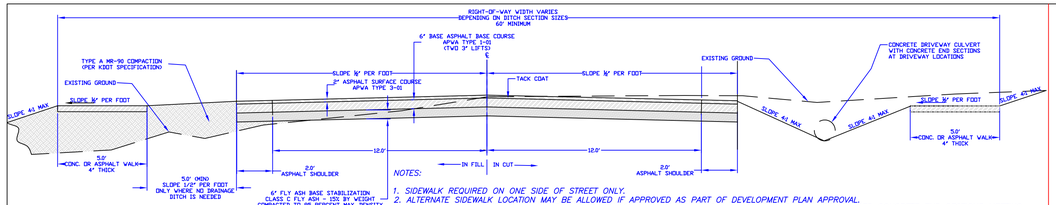
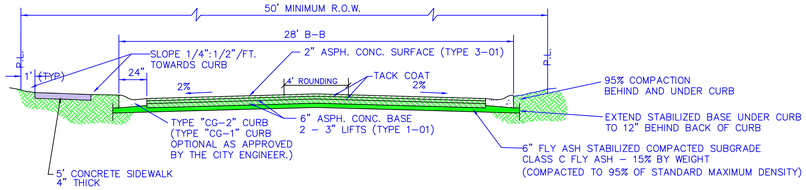


NOTES:

1. SIDEWALK REQUIRED ON ONE SIDE OF STREET ONLY.
2. ALTERNATE SIDEWALK LOCATION MAY BE ALLOWED IF APPROVED AS PART OF DEVELOPMENT PLAN APPROVAL.
3. ALL DRAINAGE CULVERTS WITHIN THE RIGHT-OF-WAY SHALL BE REINFORCED CONCRETE PIPE WITH REINFORCED CONCRETE END SECTIONS MEETING THE SPECIFICATIONS OF SECTION 2602.2 OF THE KANSAS CITY METROPOLITAN CHAPTER OF THE AMERICAN PUBLIC WORKS ASSOCIATION, (KCAPWA)LATEST ADDITION.
4. ALL PAVING MATERIALS AND METHODS SHALL CONFORM TO SECTION 2200 OF THE KCAPWA.
5. ALL DRAINAGE FACILITIES SHALL BE DESIGNED TO CONVEY THE RUNOFF FROM A 100-YEAR STORM EVENT WITHOUT FLOODING THE ROAD SURFACE.
6. ALL OPEN CHANNEL DESIGN SHALL CONFORM TO SECTION 5600 OF THE KCAPWA.
7. ALL OPEN CHANNEL MATERIALS AND CONSTRUCITON METHODS SHALL CONFORM TO SECTION 2605 OF THE KCAPWA.
8. ALL GRADING OPERATIONS SHALL CONFORM TO SECTION 2100 OF THE KCAPWA.
9. WATER VALVES AND HYDRANTS SHALL BE PLACED OUTSIDE OF OPEN CHANNEL DRAINAGE WAYS.
10. CURB AND GUTTER NOT REQUIRED ON RURAL RESIDENTIAL ROADWAY SECTIONS.

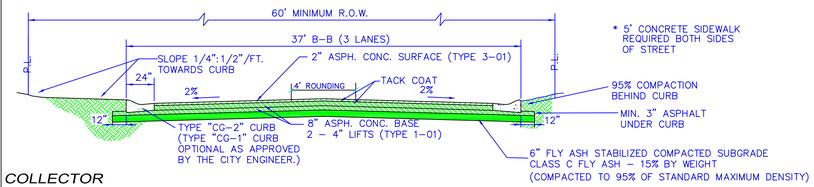
RURAL RESIDENTIAL

NOT TO SCALE



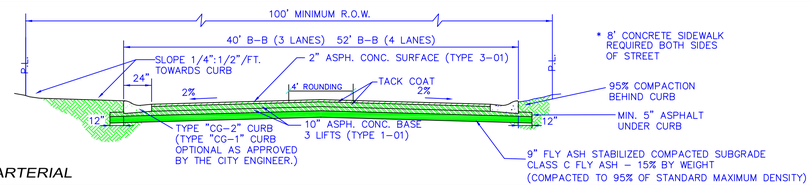
URBAN RESIDENTIAL OR LOCAL

NOT TO SCALE



COLLECTOR

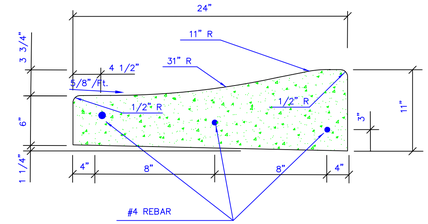
NOT TO SCALE



ARTERIAL

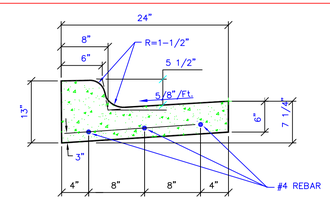
NOT TO SCALE

1 TYPICAL STREET SECTIONS



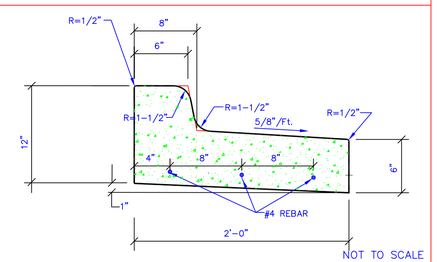
NOT TO SCALE

TYPE "CG-2" CURB & GUTTER



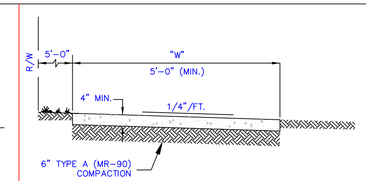
NOT TO SCALE

TYPE "CG-1" CURB & GUTTER



NOT TO SCALE

2 CONCRETE CURB & GUTTER

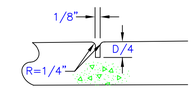


TYPICAL SIDEWALK

NOT TO SCALE

NOTES:

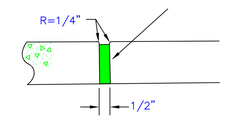
1. TYPE 1 JOINTS SHALL BE PLACED "W" CENTERS.
2. TYPE THREE JOINTS SHALL BE PLACED AT 250' CENTERS AND WHERE WALK ABUTS EXISTING CONCRETE.
3. ALL CONCRETE SHALL BE CLASS A (AE).



TYPE 1

NOTES:

1. TYPE 1 JOINTS MAY BE CONSTRUCTED WITH A GROOVING TOOL OR WITH A CONCRETE SAW AFTER THE CONCRETE IS SET.
2. TYPE 1 JOINTS SHALL BE PLACED AT 5' CENTERS



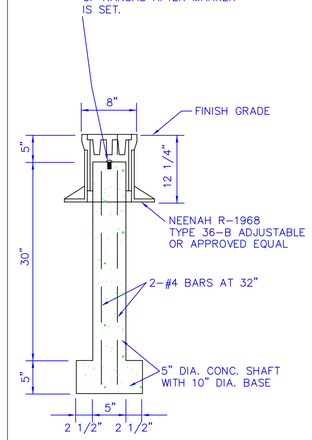
TYPE 3

NOTE:

1. TYPE 3 JOINTS SHALL BE PLACED WHERE NEW CONCRETE ABUTS EXISTING CONCRETE AND IN AREAS WHERE DOWEL BARS ARE NOT REQUIRED BY THE ENGINEER.
2. TYPE 3 JOINTS TO BE PLACED AT MAXIMUM 250' CTRS.

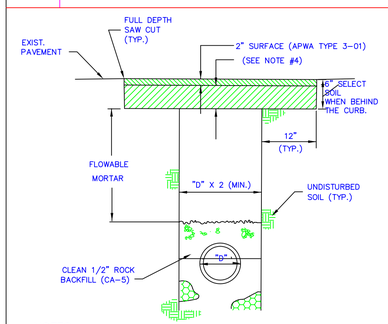
NOT TO SCALE

3 CONCRETE SIDEWALK



NOT TO SCALE

4 MONUMENT BOX



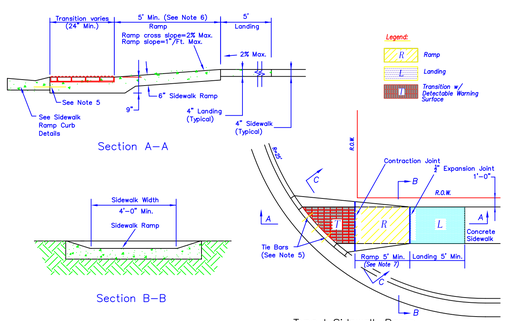
NOTES:

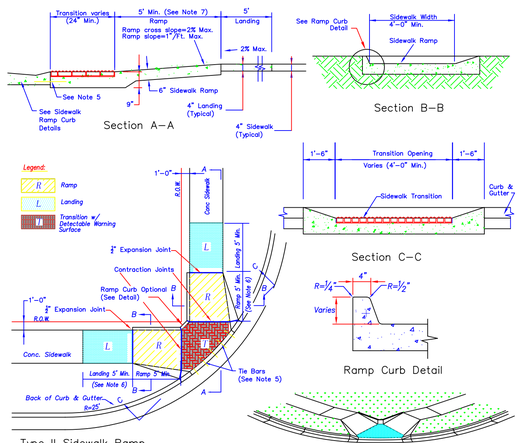
NOT TO SCALE

1. THIS DETAIL APPLIES TO ALL UTILITY INSTALLATIONS UNDER EXISTING STREETS. A UTILITY CUT PERMIT IS REQUIRED.
2. THE 1.0' EITHER SIDE OF ORIGINAL TRENCH SHALL NOT BE REMOVED UNTIL BACKFILL HAS BEEN PLACED AND COMPACTED.
3. ASPHALT SHALL COMPLY WITH CITY SPECIFICATIONS AS FOLLOWS:
   SURFACE COURSE - APWA TYPE 3-01
   BASE COURSE - APWA TYPE 1-01
4. BASE THICKNESS:
   6" RESIDENTIAL
   8" COLLECTOR
   10" ARTERIAL
   10" PRIMARY ARTERIAL
   } OR EXISTING DEPTH, WHICHEVER IS GREATER
5. ALL PIPES SHALL BE INSPECTED PRIOR TO BACKFILL. ALL PIPE COVERED PRIOR TO INSPECTION SHALL BE UNCOVERED AT THE CONTRACTOR'S EXPENSE.
6. UNLESS OTHERWISE AUTHORIZED BY THE CITY ENGINEER; TRENCH BACKFILL IN AREAS OF FUTURE STREET CONSTRUCTION, SHALL CONFORM TO THIS DETAIL. BACKFILL LIMITS FOR THIS DETAIL SHALL EXTEND TO THE TOP OF TRENCH AND 3 FT. BACK OF ALL CURBS, AND UNDER ANY SIDEWALKS, EXISTING OR PROPOSED.
7. ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO APWA TECHNICAL SPECIFICATIONS.
8. ANY EXCAVATION LEFT OPEN OVERNIGHT ON ANY THOROUGHFARE OR COLLECTOR TYPE STREET SHALL BE SECURELY PLATED.

NOT TO SCALE

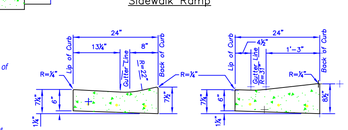
5 TRENCHING IN PAVED AREA





Sidewalk & Sidewalk Ramp Notes:

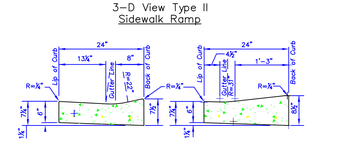
1. Sidewalk ramp location determined from the intersection of the extension of back of sidewalk and back of curb & gutter.
2. Longitudinal joint spacing to match width of sidewalk.
3. Isolation joints shall be placed where walk abuts driveways and similar structures, and 200' centers max.
4. Install 18" tie bars #4 epoxy coated @ 18" o.c.
5. Sidewalk Ramp shall be lengthened to provide ADA compliance slope but need not exceed 15'.
6. ADA maximum ramp slope = 1"/Ft. ADA maximum cross slope = 2%.
7. See Detectable Warning detail sheet for the installation requirements.



Use With Type CG-1 Curb

Use With Type CG-2 Curb

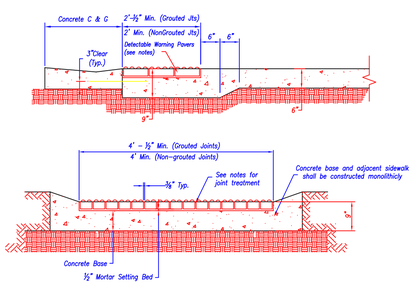
Street Curb Details at Ramp



Use With Type CG-1 Curb

Use With Type CG-2 Curb

Street Curb Details at Ramp



Paver Brick Notes:

Brick Installation Details

1. Paving Brick shall be 2 ¼" x 3 ⅝" x 7 ⅝" if grouted and 2 ¼" x 4" x 8" if non-grouted Endicott Clay Products Co., Handicap Detectable Warning Pavers, Medium Ironspot #46 color, or approved equal and shall meet the requirements of ASTM C902 For Class SX Type I Brick and ASTM C1272.
2. The bricks shall be placed in a Soldier Course pattern on Type I and a Herringbone or Soldier Course pattern on Type II ramps as shown.
3. The bricks shall be saw cut only and any brick shall not be less than 25% of a full brick.
4. Type M mortar shall be used for the setting bed and optional grouted joints in accordance with ASTM C270, Table 1 (Masonry Cement Type only). Broom 50/50 sand/cement mix into non-grouted joints after brick placement. The maximum allowable non-grouted joint width shall be ⅛".
5. Detectable warning surface to extend a minimum of 2 ft. in direction of travel.
6. Fiberglass detactable warning inserts may be substituted for brick pavers.

TYPE	LEGEND	RUNNING SLOPE	CROSS SLOPE	RUNNING LENGTH	WIDTH (PERPENDICULAR TO TRAVEL)
RAMP	R	1" / Ft. Max. (1:12 Max.)	1/8"-1/4" / Ft. (1:48 Max.)	15 Ft. Max.	48" Min. or Width of Existing Sidewalk. Whichever is Greater
LANDING	L	1/8"-1/4" / Ft. (1:48 Max.)	1/8"-1/4" / Ft. (1:48 Max.)	60 Inches Min.	48 Inches Min.
TRANSITION W/ WARNING SURFACE	TI	1/8"-1/4" / Ft. (1:48 Max.)	1/8"-1/4" / Ft. (1:48 Max.)	24 Inches Min.	48 Inches Min.

NOT TO SCALE

6 SIDEWALK RAMP DETAILS

City of De Soto
"BUILDING ON SMALL TOWN VALUES"
WWW.DESOTOKS.US
32905 West 84th Street
De Soto, Kansas 66018
TEL (913) 583-1182 FAX (913) 583-3123

PUBLIC IMPROVEMENT STANDARD DETAILS

STREETS AND SIDEWALKS

SHEET I. D.

SR - 01

PROFESSIONAL ENGINEER

REV.	COMMENTS	BY

SHEET REFERENCE

DIGITAL I.D.: SS-DETAILS

PROJECT NO.: _____

ADOPTED DATE: 09/04/07

SHEET NO. ____ OF ____ SHEETS