## CITY OF KIRKWOOD

# R.O.W IMPROVEMENTS STANDARD DRAWINGS AND SPECIFICATIONS



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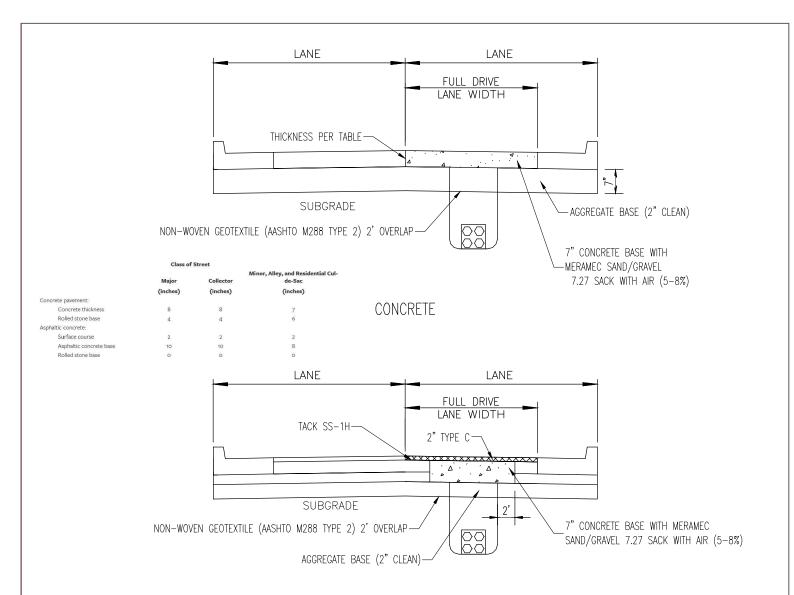
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#### NOTE:

- 1. ALL EXCAVATIONS WITHIN THE CITY OF KIRKWOOD RIGHT-OF-WAY REQUIRE AN EXCAVATION PERMIT. CONTACT THE ENGINEERING DEPARTMENT AT 314.822.5822.
- 2. ST. LOUIS COUNTY DEPARTMENT OF TRANSPORTATION STANDARD DRAWINGS AND SPECIFICATIONS SHALL APPLY EXCEPT AS MODIFIED BY THE CITY CODE AND/OR THESE STANDARD DRAWINGS AND SPECIFICATIONS.
- ALL CONCRETE WITHIN THE CITY OF KIRKWOOD RIGHT-OF-WAY SHALL USE MERAMEC LARGE AND FINE AGGREGATES.
- ANY EXCESS CONSTRUCTION AND/OR EXCAVATION MATERIALS SHALL BE REMOVED FROM THE RGHT-OF-WAY AT THE END OF EACH WORK DAY.
- 5. CONTRACTOR TO DISTURB AFFECTED AREAS THE MINIMUM AMOUNT NECESSARY TO COMPLETE THE WORK AND TO TAKE EXTRA CARE NOT TO DISTURB ANY AREAS OUTSIDE THE CONSTRUCTION AREA.
- 6. ALL BACKFILL SHALL BE GRANULAR FILL WITH 1" NOMINAL MAX AGGREGATE SIZE.
- 7. MECHANICALLY COMPACT ALL BACKFILL IN EXCAVATED AREAS AND SOD DISTURBED AREAS.
- 8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING EROSION CONTROL DEVICES AS NECESSARY TO CONTROL EROSION FOR THE DURATION OF THE PROJECT.
- 9. THE CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING & MAINTAINING TRAFFIC CONTROL, IN ACCORDANCE WITH THE MUTCD.

	STANDAR DRAWINGS	DATE: 10/01/24	OKWO	
SHEET NO.	CITY OF KIRKWOOD	CHECKED: JDB	2 4	
	TITLE PAGE 139 S. KIRKWOOD ROAD KIRKWOOD, MISSOURI 63122	DRAWN: JDB SCALE:	ST. · 1863	NO. DATE REMARKS ISSUE / REVISION DESCRIPTIONS
1 OF 13		NONE		1550E / INEVISION DESCRIPTIONS



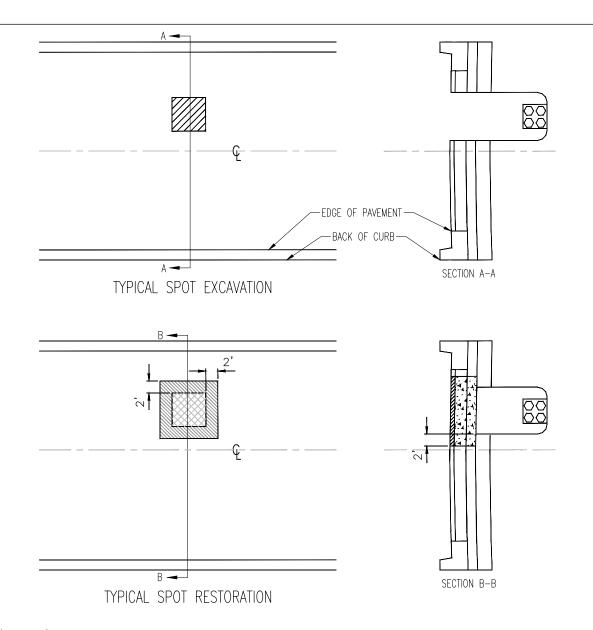
#### **ASPHALT**

#### NOTES:

- 1. CONCRETE PAVEMENT: FULL PANEL REPLACEMENT IF ONE OR MORE OF THE FOLLOWING EXIST:
- A. ANY ARTERIAL STREET LESS THAN 15 YEARS OLD OR ANY STREET LESS THAN 10 YEARS OLD.
- B. ANY SLAB WHERE THE CUT REMOVES MORE THAN 1/3 OF THE SLAB.
- C. ANY DIAGONAL CUT.
- D. ANY SLAB WHERE THE PROPOSED CUT WILL LEAVE THE SLAB WITH 3 OR MORE PIECES.
- E. ANY TRENCHING THAT TRANSVERSES ANY ARTERIAL.
- 2. ASPHALT PAVEMENT:
- A. MINIMUM WIDTH OF REPLACEMENT OVERLAY SHALL BE TO THE CENTERLINE ON TWO LANE ROADS.
- 3. JOINT REINFORCEMENT
  - A. 30" LONG, LONGITUDINAL TIE BAR #5 GRADE 40 EPOXY COATED (12" ON CENTER)
  - B. 18" LONG, 1" GRADE 40 SMOOTH EPOXY, SHALL BE INSTALLED IN ALL TRANSVERSE JOINTS SPACED ON 24" CENTERS.
- 4. SEE ENGINEER FOR PAVEMENT REQUIREMENTS

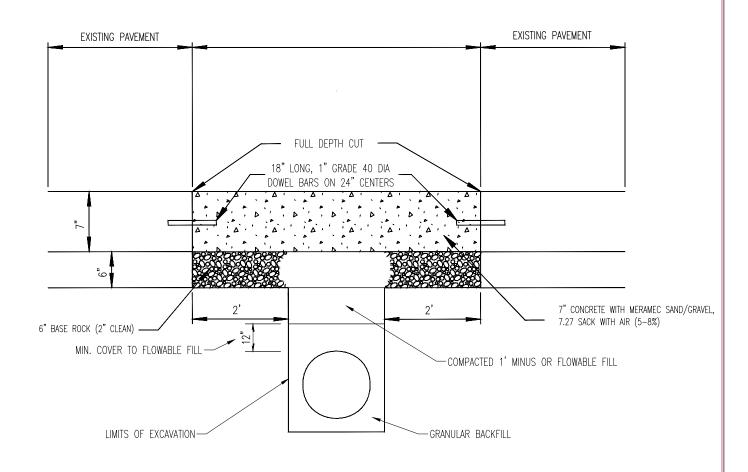
- 5. UNDERDRAIN SHALL BE INSTALLED WHEN NEXT TO STORM INLET (SEE SHEET 6)
- 6. EXCAVATION IN CENTER OF STREET SHALL BE FULL STREET WIDTH REPAIR

STREET RESTORATION - FULL LANE	DATE: 10/01/2024	
SHEET NO.  CITY OF KIRKWOOD STANDARD DRAWINGS 139 S. KIRKWOOD ROAD KIRKWOOD, MISSOURI 63122	CHECKED:  JDB  DRAWN:  JDB  SCALE:  NONE	NO. DATE REMARKS ISSUE / REVISION DESCRIPTIONS



- 1. CONCRETE PAVEMENT (SHEET 4): WHERE PARTIAL PANEL REPLACEMENT IS ALLOWED, ADDITIONAL PAVEMENT REPLACEMENT BEYOND THE EXCAVATION WILL BE REQUIRED UNDER THE FOLLOWING CONDITIONS:
  - A. CUTS LESS THAN 18 SQUARE FEET AND WHERE THE DEPTH OF THE EXCAVATION IS 6 FEET OR LESS BELOW GRADE AND NOT WITHIN IT'S INITIAL SIZE.
  - B. MINIMUM RESTORATION SLAB SHALL BE 3 FEET WIDE IN THE LONGITUDINAL DIRECTION AND 5 FEET LONG IN TRANSVERSE DIRECTION.
  - C. IF CUT IS LESS THAN 3 FEET FROM THE LONGITUDINAL OR 5 FEET FROM THE TRANSVERSE JOINT OR OTHER PATCHES OR CRACKS, THE INTERVENING PORTION OF THE SLAB MUST BE REMOVED.
  - D. 18" SMOOTH 1" DIAMETER EPOXY COATED DOWELS WILL BE USED ON 24' CENTERS.
- 2. ASPHALT PAVEMENT (SHEET 5):
  - A. THE LENGTH OF REPLACEMENT SHALL BE THE LENGTH OF THE EXCAVATION PLUS 24 INCHES ALL THE WAY AROUND. SEAL JOINTS WITH SS1-H AND SAND MIXTURE.
  - B. WHERE EXISTING CONCRETE BASE IS PRESENT, 30" #5 GRADE 40 TIE BARS SHALL BE INSTALLED IN ALL JOINTS SPACED 24" ON CENTER.

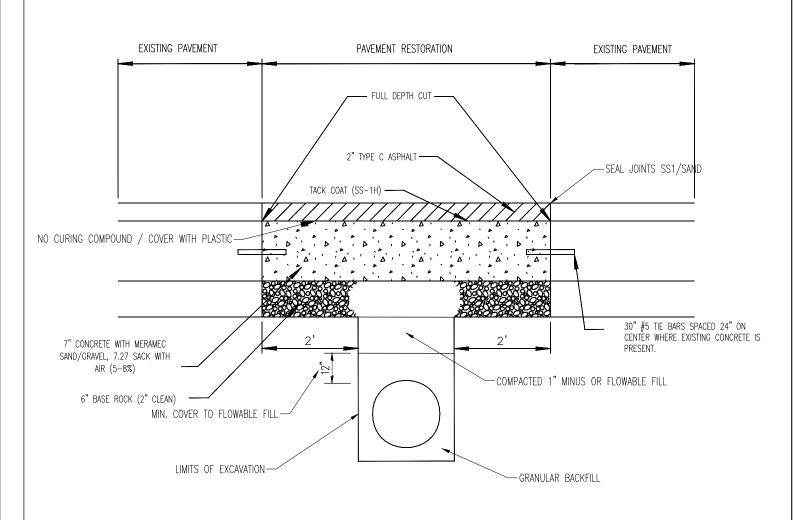
	SPOT - STREET RESTORATION	DATE: 1/21/20	akwo	
SHEET NO.  2 3 0F 13	CITY OF KIRKWOOD STANDARD DRWAINGS 139 S. KIRKWOOD ROAD KIRKWOOD, MISSOURI 63122	CHECKED: C.A.K.  DRAWN: M.T.S  SCALE: NONE	57.195	NO. DATE REMARKS ISSUE / REVISION DESCRIPTIONS



1. ADDITIONAL INFORMATION FOR LIMITS OF REPAIR AND REINFORCEMENT CAN BE FOUND ON SHEET 2.

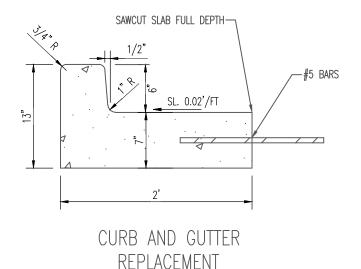
	SPOT REPAIR - CONCRETE	DATE: 1/21/20	akwo	
SHEET NO.  3 4 OF 13	CITY OF KIRKWOOD STANDARD DRAWINGS 139 S. KIRKWOOD ROAD KIRKWOOD, MISSOURI 63122	CHECKED: C.A.K.  DRAWN: M.T.S.  SCALE: NONE	57.153	NO. DATE REMARKS ISSUE / REVISION DESCRIPTIONS

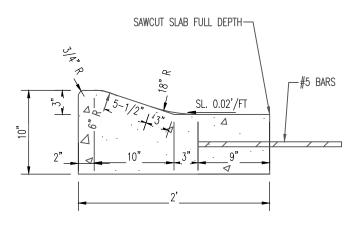
PAVEMENT RESTORATION



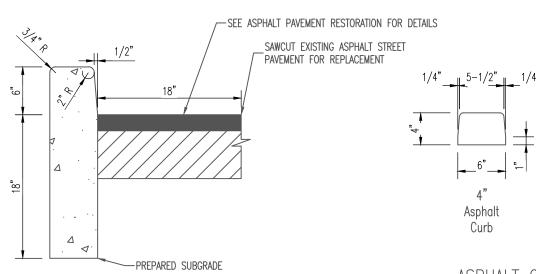
1. ADDITIONAL INFORMATION FOR LIMITS OF REPAIR AND REINFORCEMENT CAN BE FOUND ON SHEET 2.

	SPOT REPSIR-ASPHALT DETAIL	DATE: 1/21/20 2KWO	
SHEET NO.  4  5 OF 13	CITY OF KIRKWOOD STANDARD DRAWINGS 139 S. KIRKWOOD ROAD KIRKWOOD, MISSOURI 63122	CHECKED: C.A.K.  DRAWN: M.T.S.  SCALE: NONE	DATE REMARKS SUE / REVISION DESCRIPTIONS





ROLLED CURB AND GUTTER
REPLACEMENT



### ASPHALT CURB REPLACEMENT

**Asphalt** 

Curb

- \* MOLDS AVAILABLE WITH STREET DEPARTMENT
- \* TACK CURB TO PAVEMENT SURFACE

#### NOTES:

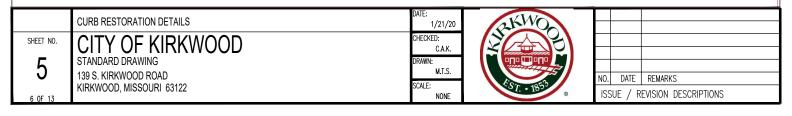
1. CONCRETE CURBS SHALL BE REPLACED JOINT TO JOINT.

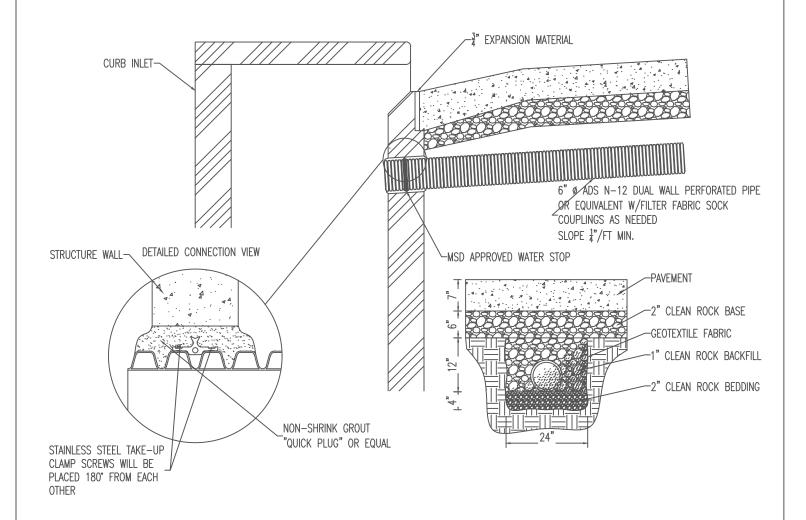
VERTICAL CURB

REPLACEMENT / FULL

DEPTH ASPHALT

- 2. CONCRETE STREETS LESS THAN 5 YEARS IN AGE SHALL REQUIRE REPLACEMENT OF THE ENTIRE SLAB. VERIFY WITH ENGINEERING DEPARTMENT.
- 3. DOWEL BARS REQUIRED WHEN REPLACING CURBS ON EXISTING CONCRETE PAVEMENT.
  - A. 18" LONG, #5 GRADE 40 EPOXY COATED BAR
  - B. SHALL BE INSTALLED IN ALL TRANSVERSE JOINTS SPACED ON 24" CENTERS
  - C. CONCRETE SHALL MEET CONCRETE PAVEMENT STANDARDS

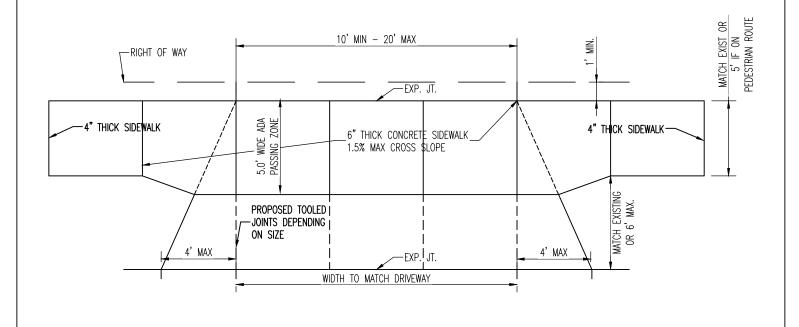


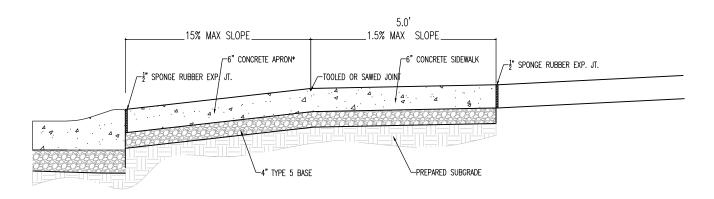


- 1. ADD END CAP AND RODENT SCREEN TO PIPE.
- 2. FULL ROADWAY WIDTH WHEN POSSIBLE OR AS WIDE AS EXCAVATION IS.

	PAVEMENT UNDERDRAIN	DATE: 1/21/20	akwo	
SHEET NO.  6 7. OF 1.3	CITY OF KIRKWOOD STANDARD DRAWINGS 139 S. KIRKWOOD ROAD KIRKWOOD, MISSOURI 63122	CHECKED: C.A.K.  DRAWN: M.T.S.  SCALE: NONE	151. 1839 ·	NO. DATE REMARKS ISSUE / REVISION DESCRIPTIONS

### RESIDENTIAL



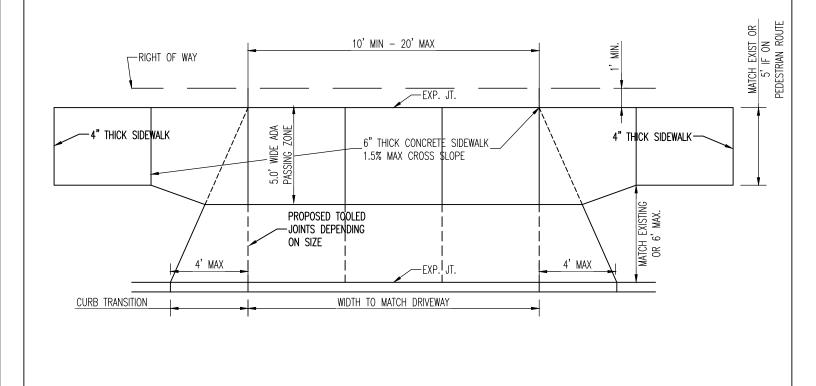


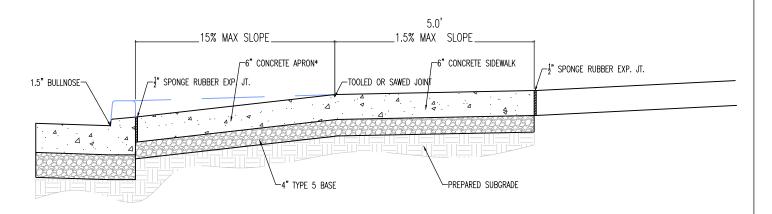
\*APRON MAY ALSO BE 2" ASPHALTIC CONCRETE OVER 6" TYPE 5 BASE. SIDEWALK MUST BE 6.25 SACK MERAMEC SAND/GRAVEL CONCRETE CONCRETE.

- 1.) COMMERCIAL ENTRANCES AND ENTRANCES TO MULTIFAMILY UNITS (OVER TWO UNITS) SHALL BE CONSTRUCTED OF 6.25 SACK CONCRETE WITH MERAMEC SAND AND GRAVEL. WITH A MINIMUM THICKNESS OF SEVEN INCHES.
- 2.) COMMERCIAL ENTRANCES SHALL NOT BE MORE THAN 35 FEET WIDE OR LESS THAN 12 FEET WIDE FOR ONE-WAY TRAFFIC. THE OPENING AT THE CURB OR PAVEMENT EDGE SHALL NOT BE LESS THAN A RADIUS OF 10 FEET NOR MORE THAN 20 FEET.

Di	PRIVEWAY DETAIL - ROLLED CURB	DATE: 10/01/24	akwo	
13	CITY OF KIRKWOOD  STANDARD DETAILS 39 S. KIRKWOOD ROAD IRKWOOD, MISSOURI 63122	CHECKED: JDB  DRAWN: JDB  SCALE: NONE	ST - 1859	NO. DATE REMARKS ISSUE / REVISION DESCRIPTIONS

## RESIDENTIAL

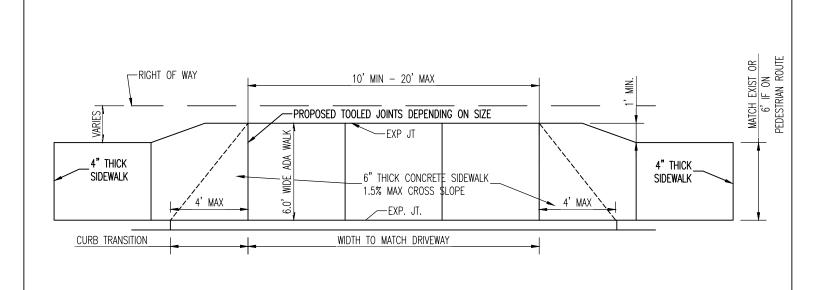


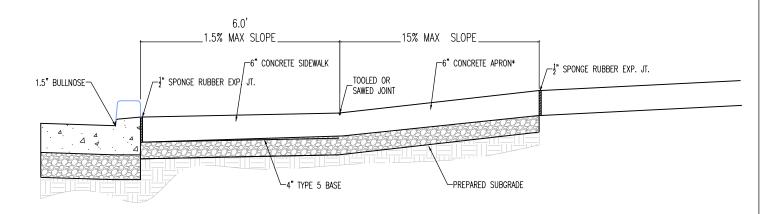


\*APRON MAY ALSO BE 2" ASPHALTIC CONCRETE OVER 6" TYPE 5 BASE. SIDEWALK MUST BE 6.25 SACK MERAMEC SAND/GRAVEL CONCRETE CONCRETE.

- 1.) COMMERCIAL ENTRANCES AND ENTRANCES TO MULTIFAMILY UNITS (OVER TWO UNITS) SHALL BE CONSTRUCTED OF 6.25 SACK CONCRETE WITH MERAMEC SAND AND GRAVEL. WITH A MINIMUM THICKNESS OF SEVEN INCHES.
- 2.) COMMERCIAL ENTRANCES SHALL NOT BE MORE THAN 35 FEET WIDE OR LESS THAN 12 FEET WIDE FOR ONE-WAY TRAFFIC. THE OPENING AT THE CURB OR PAVEMENT EDGE SHALL NOT BE LESS THAN A RADIUS OF 10 FEET NOR MORE THAN 20 FEET.

	DRIVEWAY DETAIL - VERTICAL CURB	DATE: 10/01/24	
SHEET NO.  8 9 0F 13	CITY OF KIRKWOOD STANDARD DETAILS 139 S. KIRKWOOD ROAD KIRKWOOD, MISSOURI 63122	CHECKED: JDB  DRAWN: JDB  SCALE: NONE.	NO. DATE REMARKS  ISSUE / REVISION DESCRIPTIONS

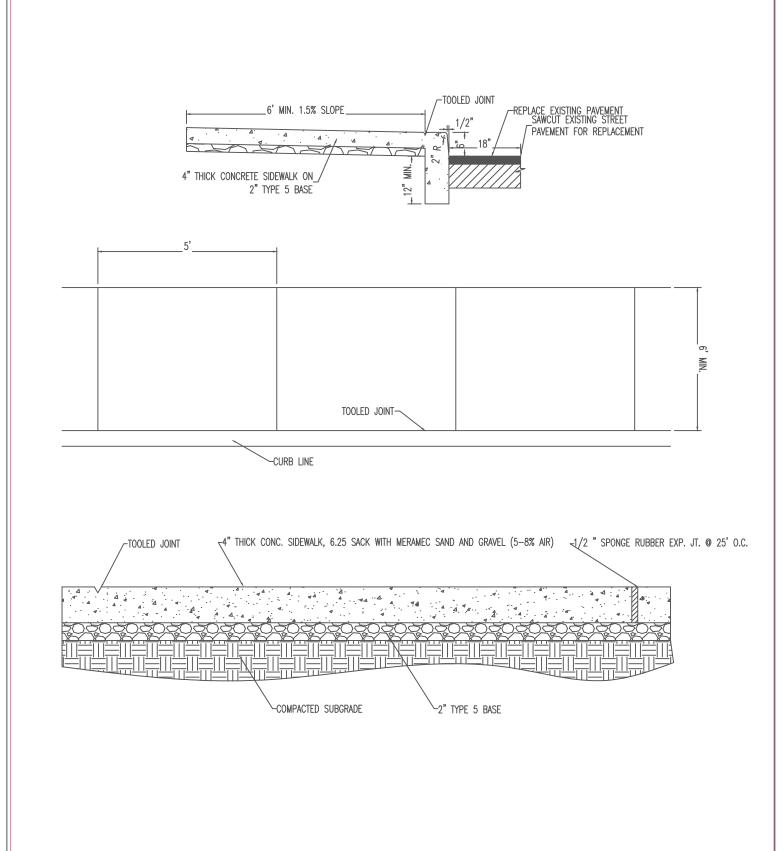




\*APRON MAY ALSO BE 2" ASPHALTIC CONCRETE OVER 6" TYPE 5 BASE. SIDEWALK MUST BE 6.25 SACK MERAMEC SAND/GRAVEL CONCRETE CONCRETE.

- 1.) COMMERCIAL ENTRANCES AND ENTRANCES TO MULTIFAMILY UNITS (OVER TWO UNITS) SHALL BE CONSTRUCTED OF 6.25 SACK CONCRETE WITH MERAMEC SAND AND GRAVEL. WITH A MINIMUM THICKNESS OF SEVEN INCHES.
- 2.) COMMERCIAL ENTRANCES SHALL NOT BE MORE THAN 35 FEET WIDE OR LESS THAN 12 FEET WIDE FOR ONE-WAY TRAFFIC. THE OPENING AT THE CURB OR PAVEMENT EDGE SHALL NOT BE LESS THAN A RADIUS OF 10 FEET NOR MORE THAN 20 FEET.

	DRIVEWAY DETAIL- WALK NEXT TO ROADWAY	DATE: 10-01-2024	
SHEET NO.	CITY OF KIRKWOOD	CHECKED:  JDB	
9	STANDARD DRAWINGS 139 S. KIRKWOOD ROAD	DRAWN:  JDB	1 10-01-24 ADDED PER CITY WALK STANDARD UPDATE NO. DATE REMARKS
10 OF 14	KIRKWOOD, MISSOURI 63122	SCALE: NONE	ISSUE / REVISION DESCRIPTIONS



CITY OF KIRKWOOD

TYPICAL SIDEWALK DETAIL AT EDGE OF ROADWAY

STANDARD DRAWINGS 139 S. KIRKWOOD ROAD KIRKWOOD, MISSOURI 63122 DATE:
10/01/2024
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1	10/01/24	UPDATED PER NEW CITY STANDARD		
NO.	DATE	REMARKS		
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2.) ADA STANDARDS NOT PROVIDED WITHIN SHALL BE FOLLOWED FROM THE ST.LOUIS COUNTY DEPARTMENT OF TRANSPORTATION SPECIFICATIONS. TRUNCATED DOMES SHALL BE CAST IN PLACE, DOMES SHOULD BE YELLOW EXCEPT FOR ON KIRKWOOD ROAD WHERE THEY SHALL BE RED.

NEW 7-1-10 Sidewalk Width 5 or 6 Feet Wide (Typ.), Per Use and Approved Plans Section B - B
(6 Inch Wide, Type "A" Variable Height
Concrete Vertical Curb Section) 6 In. -Type "1" Curb Ramp (Vertical Curb - ARS, Collector & CRS-2 Roads Typical) 7 inch Thick Concrete Ramp Section A - A (Concrete Transition Section) Vertical Curb (see Std. Dwg. C502.03) REVISIONS Lower Ramp Landing (Width as per Approved Plans) 7 Inch Thick Concrete Concrete Curb Ramp or Lower Ramp Landing (Width as per Approved Plans) Concrete Curb Ramp or . 7 In. Thick Concrete . Prepared Subgrade Prepared Subgrade Ground Non-Traversable Concrete Flare (See Detail \*A\*) 6 in. **Ground Line** 13 in. \* See General Notes, Item #13 Vertical Curb Type "2" Curb Ramp (Vertical Curb) Sidewalk Width 4 foot Wide (Typ. Residential) Per Use and Approved Plans 12:1 Maximum Ramp Slope Type "1" Curb Ramp (Rolled Curb - Residential Street Typical) Rolled Curb (see Std. Dwg. C502.03) 12:1 (8.3%) NOT USED Ramp Width
4 ft. min.
(Typ. Residential) 6 inch Wide, Type "A"
 Variable Height
 Concrete Vertical Curb
 (See Standard Drawings
 C502.03 & C508.41) 7 Inch Thick Concrete Ramp 6) All sidewalk sections shall be 4 inches thick, except where required to be thicker such as driveway crossings, etc., as shown on other Standard Orawings or approved plans. All curb transp, lower leadings of the provided of the control of the provided provided the provided provided by the provided provi Storm water Inleitz, signs, posts, manhale covers, pull boxes and other access (lid should be avoided within the aldews II. If you're location is excess, it has feature must mee AcA standards. Mailbox placement hould also are nicked in the idensals. If it is store must mee AcA standards shown on Standard Drawing 008.55. Mailbox Placement Standards. Fulling poles will not be allowed in the sidewals. An accessible route must have minimum 3 lood (36 inch) clear width (ADAG). The running grade of a sidewalk shall not exceed 5.0% unless it is matching the grade of the adjacent roadway. It he width for sidewalts shall be a minimum of 4 feet wide for restdential stress and a minimum of 5 feet wide for collector or arterial readwalts and a minimum width for sidewalts located adjacent to a vertical or oilled crite hall be 5 feet wide (parce width right-of-way). Required sidewalt width will be determined during plan review and approval, and will be based on site conditions and was exceeded the sidewalt besting of the sidewalt besting of the sidewalt besting the sidewalts of the sidewalt besting of the sidewalt besting the sidewalt besting of the sidewalt besting the sidewalt b 2. All areas of the padestrian access route must be compliant with the Americans with Deshillies Accesses ally goldelines (ADAAO). Exceptions must be approved by the Engineer. Guidelines say by alwayed online on the fulled Sales Access Beard's Internet website at www.access.board.gov. It is the Contractor's responsibility to make these guidelines, Aces of Contractor's expossibility to make these guidelines, Aces of Contractor's exposure. 4) Designed ramp length may be adjusted in the field by the Contractor, as approved by the Engineer based on actual measurements of street grade, using the curb ramp length tables on drawing C608.41. 1) Do not scale drawing, follow dimensions. All idewall sections, but stop pack, and fandings at the top of curb ramps, shall be paid for as Concrete Sidewalt. Curb ramps and landings at the bottom of curb ramps, shall be paid for as Concrete Curb Stamp. No direct payment will be made for writable height curb, concrete flares, or saw cut when constructed as part of a landing or curb ramp. No direct payment will be made for pre-moided expansion joint filler with joint sealer. Ramp running slope shall be a maximum of 12:1 or 8.3%. Curb ramp landings shall have a minimum kize of 4 it by 4 it (not localiding the truncated done mat), with a cross slope of 1.5% (~ or - 0.5%) in any direction (Slope: 1.0% Min. to 2.0% Max.), Slopewalk cross slope shall be 1.5% (~ or - 0.5%) (Slope: 1.0% Min. to 2.0% Max.) Transition From Full — Curb Height to Flush With Street Pavement Full Curb Height + From Front of Curb Line ++ For Truncated Dome Mat Detail, See Std. Dwgs. C608.51 **General Notes** Treelawn Area Detail "A" NOT USED-Concrete Curb Ramp - 12:1 Ramp Slope (Max.) (4) pseciable Warning Surface (NWS) shall consist of a surface of uncessed documents of a surface of travel. The pattern shall be aligned with the edge of payament in the direction of travel. The Missister of the control of the con 16) Detectable Warnings (truncated domes) shall be installed per manufacturer's recommendations and instructions (see Std. Dwg. C608.51). Truncated Domes shall go pan the rull width of the ramp, landing or cu-through island. Stamped concrete truncated domes or grooves will not be accepted. 16) The DWS type shall be "cert-in-Drace with Screw Anchorina" fholis new and fatfold application).

with the approved manufacturers listed on the "MoDDT Qualified Lists.

Qualified Transact Drace, E-0.057 Table 1" (also see SIC Drag, C608.81). The "MoDDT Qualified Lists are sident and the "MoDDT Qualified Lists are slocated on Internet at:

www.modot.pdb.pdb.sides.sidmaket.8id.pd/manifiables.pdf 13) Landings shall be constructed at the top and/or bottom of a curb ramp wherever a turning movement or access to pedestrian push button is required. Landings located in the roadway must be completely contained within the crosswalk. 12) For sidewalk locations on cul-de-sacs, refer to Pawment Construction Intelligence and Control of Control o 10) Where a curb ramp meets the pavement, a bulinose will not be permitted Transition from the sidewalk to the gutter to the roadway surface must the flush. If a monolithic concrete curb is constructed, strike a dummy joint across the bottom of the ramp at the curb line. 11) Side flares of curb ramps, in the path of pedestrian travel (traversable) shall not exceed a slope of 10H.1V. Side flares outside the pedestrian path (non-traversable) may be 2H:1V slope or vertical. General Notes (Cont.) REVISION DATE: July 1, 2010 SAINT LOUIS COUNTY
DEPARTMENT OF HIGHWAYS AND TRAFFIC
CLAYTON, MISSOURI CONCRETE SIDEWALK AND CURB RAMP DETAILS (TYPES 1 & 2) SIDEWALK & CURB RAMP DETAILS ST. LOUIS COUNTY PROJ.



NO. DATE REMARKS REVISION DESCRIPTIONS

STANDARD DRAWINGS

SHEET NO

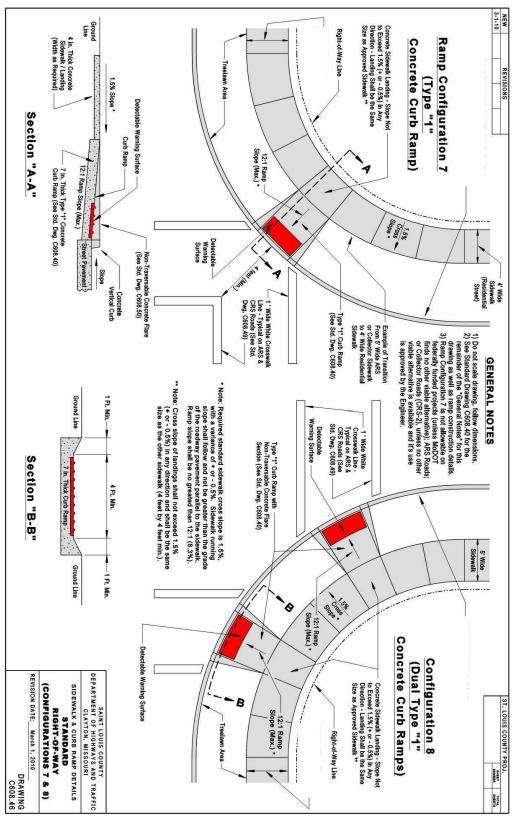
CITY OF KIRKWOOD

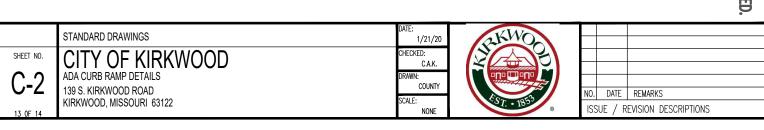
ADA CURB RAMP DETAILS

139 S. KIRKWOOD ROAD KIRKWOOD, MISSOURI 63122

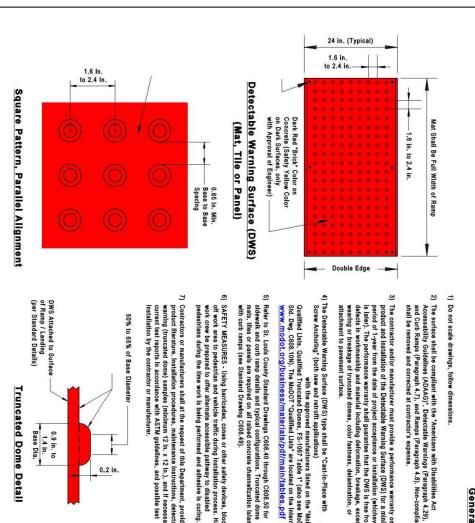
1/21/20 C.A.K. MIS NONE

2) STANDARDS NOT PROVIDED WITHIN SHALL BE FOLLOWED FROM THE ST.LOUIS COUNTY DEPARTMENT OF TRANSPORTATION SPECIFICATIONS. TRUNCATED DOMES SHALL 贸 CAST IN PLACE. DOMES SHOULD 器 YELLOW EXCEPT FOR ON KIRKWOOD ROAD WHERE THEY SHALL BE RED





- !2 ₽ TRUNCATED DOMES SHALL 贸 CAST IN PLACE. DOMES SHOULD 贸 YELLOW EXCEPT FOR ON KIRKWOOD ROAD WHERE THEY SHALL BE RED
- STANDARDS NOT PROVIDED WITHIN SHALL BE FOLLOWED FROM THE ST.LOUIS COUNTY DEPARTMENT OF TRANSPORTATION SPECIFICATIONS.



Do not scale drawings, follow dimensions.

NEW REVISIONS 7-24-03 7-31-07 |10-22-08 3-1-10 | 7-6-11

 The surface shall be compliant with the "Americans with Disabilities Act Accessability Guidelines (ADAAG)", Detectable Warnings (Paragraph 4.29), and Curb Ramps (Paragraph 4.7), and Ramps (Paragraph 4.8), Non-compliance shall be removed and corrected at contractor's expense.

3) The contractor and/or manufacturer must provide a performance warranty on the product and installation of the Detectable Warning Surface (DWS) for a minimum period of 1-year from the date of project acceptance or installation (whichever date is later). The performance warranty shall guarantee that the DWS is free from attachment to pavement surface. wearing or breakage of truncated domes, color fastness, delamination, or defects in workmanship and material including deformation, breakage, excessive

The Detectable Warning Surface (DWS) type shall be "Cast-in-Place with Screw Anchoring" (both new and retrofit applications)

with the approved manufacturers listed on the "MoDOT Qualified Lists, Qualified Truncated Domes, FS-1067 Table 1' (also see MoDOT Std. Dwg. C608.10N). The MoDOT "Qualified Lists" are located on the Internet at: www.modot.org/business/materials/pdf/main/tables.pdf

 SAFETY MEASURES - Using barricades, cones or other safety devices, block off work area to pedestrian and vehicle traffic during installation process. Have work crew be prepared to offer alternate accessible pathway to disabled work crew. with curb ramps (see Standard Drawing C608.49). mats, tiles or panels are required on all raised concrete channelization islands

7) Contractors or manufacturers shall at the request of this Department, provide warning (truncated dome) samples (minimum 12 in. x 12 in.), and if necessary current test reports in accordance with ASTM guidelines, and possible test nstallation by the contractor or manufacturer. product literature, installation procedures, maintenance instructions, detectable

General Notes

ST. LOUIS COUNTY PROJ.

TOTAL

8) MATERIALS

reinforced compression molded material or similar approved material, throughout the thickness of the declectable warning surface. Colors shall be dark red 'Brick' color (on concrete surface) and Safety Yellow (on dark surfaces with the suproval of the engineer). DWS shall meet the Federal standard colors for facilie panels. UV stabilization protection (fade resistance) shall be homogeneous throughout Cast-in-place composite tiles or mats shall be made of polyester/vinyl ester the composite material and not rely on any type of painted or coated surface to

direction of travel and span the full width of the curb ramp (exclusive of flares), landing or blended transition. The DWS shall contrast visually with the framp or landing surface (dark-on-light surface, or light-on-dark surface), with a slip resistant surface or pattern (comply with ADA and ADAAG guidelines). Truncated domes of the ramp (max. of 2 in. from each side of the ramp or landing - see Detail \*A\* on Std. Dwg. C608.40). DWS in a cut-through island, shall be installed full width, aligned in a square or radial grid pattern. The pattern shall be aligned with the edge of pavement in the direction of travel. The DWS shall extend 24 inches in the Detectable Warning Surface (DWS) shall consist of a surface of truncated domes aligned with the face of the cut-through island curb (see Std. Dwg. C608.49). the domes. DWS shall be installed 6 in, to 8 in, from the face of curb, the full width installed in the direction of pedestrian travel, to permit wheels to roll between shall be aligned parallel to the running slope of a ramp, in a square grid, when

10) The DWS, truncated dome mats, tiles or panels used, shall be consistent throughout the project and are required to be installed on all curb ramps at public and private street intersections; signalized entrances; and at all channelized and raised islands where a curb ramp or cut-through is provided. DWS shall be omitted on curb ramps adjacent to private entrances. The DWS type and location shall be approved by the Engineer prior to installation.

11) Truncated dome mats, tiles or panels shall be a cast-in-place product

engineer prior to usage. Tiles or mats shall be pre-formed or pre-cast and installed per manufacturer's recommendations and instructions. Stamped concrete truncated domes or grooves will not be accepted.

SAINT LOUIS COUNTY
DEPARTMENT OF HIGHWAYS AND TRAFFIC
CLAYTON, MISSOURI REVISION DATE: FOR NEW CONSTRUCTION AND RETROFITTING OF CURB RAMPS SIDEWALK & CURB RAMP DETAILS July 6, 2011

STANDARD DRAWINGS

Truncated Dome Detail

0.9 in. to 1.4 in. Base Dia.

0.2 in

CITY OF KIRKWOOD

ADA CURB RAMP DETAILS

KIRKWOOD, MISSOURI 63122

1/21/20 C.A.K. COUNTY NONE

corrosion resistant anchors with color coordinated corrosion resistant fasteners.

achieve color or UV code compliance. Mats or tiles shall have a minimum of six (6)



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NO.	DATE	REMARKS	
ISSUE / REVISION DESCRIPTIONS			

139 S. KIRKWOOD ROAD

SHEET NO.