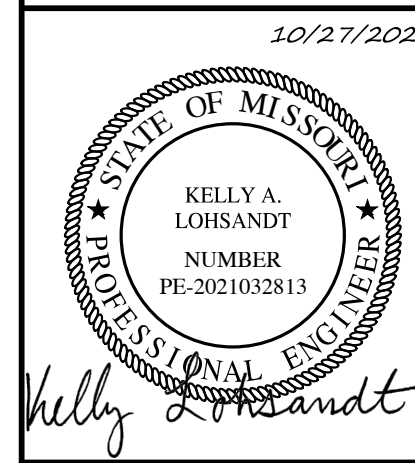


MEADOWOOD ESTATES II, LP
MEADOWOOD ESTATES - PHASE II
 LOT 4 - MEADOWOOD ESTATES SUBDIVISION
 O'FALLON, ST. CHARLES COUNTY, MISSOURI



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 PROFESSIONAL ENGINEER
 PE-2021032813

IF ORIGINAL SIGNATURE OR DIGITAL AUTHENTICATION IS NOT PRESENT THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT.

Date
OCTOBER 5, 2022

Revised
 (2) CITY COMMENTS OCT. 20, 2022
 (3) CITY COMMENTS OCT. 27, 2022

Design: KAL Drawn: CGH

SITE DETAILS
 Sheet

C10.04

ES&S PROJECT NO. 15511

General Notes

- Do not scale drawing, follow dimensions.
- For sidewalk placement, see the appropriate typical section standard drawing or approved plan.
- Final sidewalk width will be determined by the engineer during the plan review process. Site conditions may require a wider sidewalk width than the minimums shown on this drawing.
- Sidewalk running grade shall not exceed 5% except where matching the running grade of the adjacent roadway.
- Sidewalk cross slope shall not exceed 1.5% (+/- 0.5%) in the direction of pedestrian travel.
- Access lids, sewer inlet tops, pullboxes, etc. should be avoided in the sidewalk surface. Where these features must be placed in the sidewalk, said feature must be ADA compliant.
- Sidewalks within St. Louis County right of way shall be 5 feet wide minimum for arterial (ARS), collector (CRS-2), and non-residential (CRS) roads. Clear width may be reduced to 4 feet only when necessary to avoid obstacles which cannot be practically relocated.
- Sidewalks shall have a continuous and unobstructed clear width of 4 feet wide minimum along residential (CRS) subdivision streets.
- Where 4' sidewalks are provided, 5 foot x 5 foot passing spaces shall be provided at intervals of 200 feet maximum. Driveway approaches may be used to meet the passing space requirement.
- St. Louis County Sidewalks located within 2 feet of the back of curb are to be constructed 6 feet wide minimum and constructed adjacent to the back of the curb for all development types.
- Where sidewalk stubs are constructed with no pedestrian outlet, a turning space shall be constructed at the sidewalk terminus with a minimum width as defined by the road classification and a minimum length of 4 feet. The turning space shall have a maximum running slope and cross slope of 1.5% (+/- 0.5%) percent. The Road Grade Exception is not applicable to this pedestrian access route feature.
- Length of the tie bar shall be equal to the thickness of pavement plus the height of curb less 2 inches. Tie bars shall be placed at 24" centers.

| Minimum Sidewalk Width Requirements | | Minimum Sidewalk Concrete Thickness Requirements | |
|-------------------------------------|--------------------------|---|--------------------------|
| With Green Space | At Back of Vertical Curb | Location | Thickness (T) |
| Residential Streets | 4 ft. x 4 ft. | Adjacent to driveway | Match Drive Thickness |
| Collector Road | 4 ft. x 5 ft. | Adjacent to Inlet Where Inlet is Part of the Pedestrian Route | 7" |
| Arterial Road | 5 ft. x 6 ft. | Through Driveway Approach | Match Drive Thickness |
| | | Through Intersection | Match Pavement Thickness |
| | | All Other Locations | 4" |

| ISSUE DATE | STANDARD DRAWING | |
|----------------------------------|------------------|---------|
| 03/09/2020 | SIDEWALK | |
| REVISIONS | | |
| THIS IS NOT A CERTIFIED DOCUMENT | | |
| | | |
| EFFECTIVE | SHEET | DRAWING |
| 05/01/2020 | 1 OF 3 | C608.43 |

General Notes

- Do not scale drawing, follow dimensions.
- For sidewalk placement, see the appropriate typical section standard drawing or approved plan.
- Final sidewalk width will be determined by the engineer during the plan review process. Site conditions may require a wider sidewalk width than the minimums shown on this drawing.
- Sidewalk running grade shall not exceed 5% except where matching the running grade of the adjacent roadway.
- Sidewalk cross slope shall not exceed 1.5% (+/- 0.5%) in the direction of pedestrian travel.
- Access lids, sewer inlet tops, pullboxes, etc. should be avoided in the sidewalk surface. Where these features must be placed in the sidewalk, said feature must be ADA compliant.
- Sidewalks within St. Louis County right of way shall be 5 feet wide minimum for arterial (ARS), collector (CRS-2), and non-residential (CRS) roads. Clear width may be reduced to 4 feet only when necessary to avoid obstacles which cannot be practically relocated.
- Sidewalks shall have a continuous and unobstructed clear width of 4 feet wide minimum along residential (CRS) subdivision streets.
- Where 4' sidewalks are provided, 5 foot x 5 foot passing spaces shall be provided at intervals of 200 feet maximum. Driveway approaches may be used to meet the passing space requirement.
- St. Louis County Sidewalks located within 2 feet of the back of curb are to be constructed 6 feet wide minimum and constructed adjacent to the back of the curb for all development types.
- Where sidewalk stubs are constructed with no pedestrian outlet, a turning space shall be constructed at the sidewalk terminus with a minimum width as defined by the road classification and a minimum length of 4 feet. The turning space shall have a maximum running slope and cross slope of 1.5% (+/- 0.5%) percent. The Road Grade Exception is not applicable to this pedestrian access route feature.
- Length of the tie bar shall be equal to the thickness of pavement plus the height of curb less 2 inches. Tie bars shall be placed at 24" centers.

| Minimum Sidewalk Width Requirements | |
|-------------------------------------|--------------------------|
| With Green Space | At Back of Vertical Curb |
| Residential Streets | 4 ft. x 4 ft. |
| Collector Road | 5 ft. x 5 ft. |
| Arterial Road | 5 ft. x 5 ft. |
| All Road Classifications | 6 ft. x 6 ft. |

| ISSUE DATE | STANDARD DRAWING | |
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| EFFECTIVE | SHEET | DRAWING |
| 05/01/2020 | 2 OF 3 | C608.43 |

GENERAL NOTES

- Do not scale drawing, follow dimensions.
- This detail is applicable to single and multiple inlet configurations.
- For sidewalk placement, see the appropriate typical section standard drawing or approved plan.
- Final sidewalk width will be determined by the engineer during the plan review process. Site conditions may require a wider sidewalk width than the minimums shown on this drawing.
- Sidewalk running grade shall not exceed 5% except where matching the running grade of the adjacent roadway.
- Sidewalk cross slope shall not exceed 1.5% (+/- 0.5%) in the direction of pedestrian travel.
- Access lids, pullboxes, etc. should be avoided in the sidewalk surface. Where these features must be placed in the sidewalk, said feature must be ADA compliant.
- Sidewalks within St. Louis County right of way shall be 5 feet wide minimum for all road classifications except internal to residential subdivision developments which shall be 4' wide minimum.
- Where 4' sidewalks are provided, 5 foot x 5 foot passing spaces shall be provided at intervals of 200 feet maximum. Driveway approaches may be used to meet the passing space requirement.
- St. Louis County Sidewalks located within 2 feet of the back of curb are to be constructed 6 feet wide minimum and constructed adjacent to the back of the curb for all development types.
- Sidewalk filler slab may be extended to 9.0' to accommodate double curb inlet tops. Where a longer span is required construction joint shall be trowled or sawn a minimum of 1/2" deep. Construction joint shall be placed no more than 9.0' and not less than 4.5' from the type D joint.
- Inlet top shall be placed flush with the adjacent sidewalk (+/- 1/4").

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| EFFECTIVE | SHEET | DRAWING |
| 05/01/2020 | 3 OF 3 | C608.43 |

General Notes

- Do not scale drawings, follow dimensions.
- Detectable warning surfaces (truncated domes) shall be preformed and installed as per manufacturer's recommendations. Stamped concrete will not be accepted.
- All material shall be obtained from a source identified on the Missouri Department of Transportation "Qualified Lists". Specifically, Qualified Truncated Domes, FS-1067 Table 1.
- The detectable warning surface shall contrast visually with adjoining surfaces. Either light-on-dark or dark-on-light.
- Truncated dome surfaces shall extend a minimum of 24 inches in the direction of sidewalk travel and the full width of the curb ramp (exclusive of flares), the landing, or blended transition. The panels shall be made of a durable material. The panels shall carry a manufacturer warranty covering all defects for a five-year period from the time of installation.
- Detectable warning surfaces shall be aligned perpendicular or radial to the break between the ramp. Landing or blended transition. And the street.
- Domes shall have a base diameter of 0.9 to 1.4 inches. The top diameter shall be 50 to 65 percent of the base diameter. The dome height shall be 0.2 inches. Dome center-to-center spacing shall be 1.6 to 2.4 inches with a minimum base-to-base spacing of 0.65 inches. Stamped concrete will not be accepted.
- The contractor and/or manufacturer must provide a performance warranty on the product and installation of the Detectable Warning Surface 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 Detectable Warning Surface is free from defects in workmanship and material including deformation, breakage, excessive wearing or breakage of truncated domes, color fastness, delamination, or attachment to pavement surface.
- Truncated dome mats applied with adhesive may be used for retrofit of existing curb ramps only.
- Contractors or manufacturers shall at the request of this Department, provide product literature, installation procedures, maintenance instructions, detectable warning surface samples (minimum 12 in. x 12 in.), current test reports in accordance with ASTM guidelines, and possible test installation by the contractor or manufacturer.
- Some detectable warning products require a concrete border for proper installation. The concrete border shall not exceed 2 inches per side.
- The detectable warning surface 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.

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