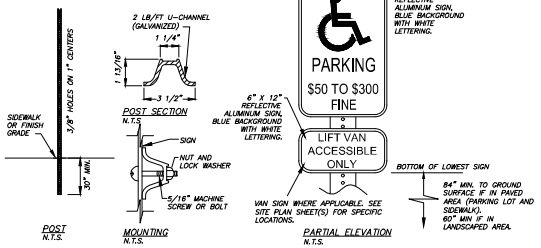
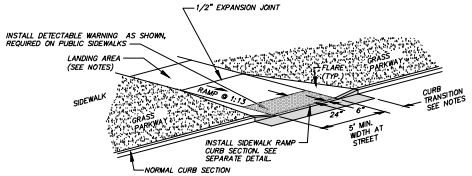


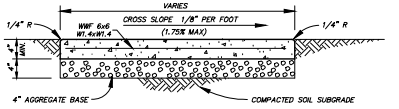
NOTES:
1. SEE SITE PLAN SHEET(S) FOR SIGN LOCATIONS.
2. ALL SIGNS SHALL BE 0.80 ENGINEER GRADE REFLECTIVE ALUMINUM.

ACCESSIBLE PARKING STALL SIGNAGE
NOT TO SCALE



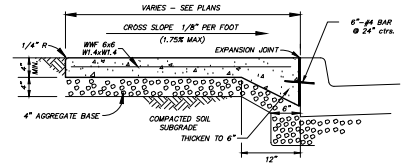
NOTES:
1. RAMP SHALL BE 4" THICK P.C.C.
2. EXPANSION JOINT SHALL BE 1/2" PREFORMED CORK OR BITUMINOUS EXPANSION JOINT MATERIAL.
3. ALL SLOPES ARE MEASURED FROM THE HORIZONTAL.
4. REPLACE STANDARD CURB SECTION WITH SIDEWALK RAMP CURB SECTION – SEE SEPARATE DETAIL.
5. RAMP LENGTH IS DEPENDENT ON 1:13 MAX SLOPE. USE FLATTER WHEN POSSIBLE.
6. LANDING AREA SHALL BE 4'-0" MIN WIDTH. CROSS SLOPE OF LANDING SHALL NOT EXCEED 1.7%.
7. FLARES ARE REQUIRED AT RAMPS TO KEEP GRASS PARKWAY SLOPES IN CONFORMANCE WITH THE TYPICAL CROSS SECTION.
8. CURB TRANSITION LENGTH IS DEPENDENT ON FLARE SLOPE.
9. MAXIMUM RAMP CROSS SLOPE IS 1.7% IN ALL DIRECTIONS.
10. SEE SEPARATE DETAIL FOR MORE INFORMATION ON DETECTABLE WARNINGS.

PERPENDICULAR CURB RAMP
NOT TO SCALE



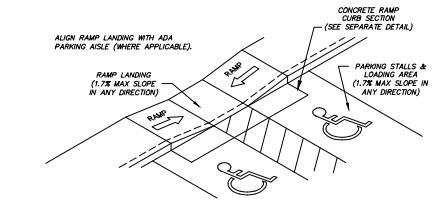
NOTES:
1. SIDEWALK SHALL BE 5–6% AIR–ENTRAINED, 6 BAG MIX, 4,000 PSI PORTLAND CEMENT CONCRETE.
2. INSTALL TRANSVERSE EXPANSION JOINTS TO MATCH STREET OR CURB AND GUTTER EXPANSION JOINTS AND AT ALL DRIVEWAY APPROACHES, FIXED STRUCTURES, BUILDINGS, AND SIDEWALK RAMPS. SPACING SHALL NOT EXCEED 100'.
3. FOR SIDEWALKS UP TO 6 FT. WIDE, INSTALL TRANSVERSE SAW–CUT JOINTS AT SPACING EQUAL TO SIDEWALK WIDTH.
4. FOR SIDEWALKS WIDER THAN 6 FT., INSTALL LONGITUDINAL SAW JOINT AT CENTERLINE OR AT A SPACING NOT TO EXCEED 5 FT. TRANSVERSE SAW–CUT JOINT SPACING EQUAL TO HALF SIDEWALK WIDTH.
5. IF SIDEWALK IS REINFORCED, NO STEEL SHALL BE PLACED THROUGH AN EXPANSION JOINT.
6. SEE SEPARATE DETAIL FOR ADDITIONAL CONCRETE JOINT REQUIREMENTS.

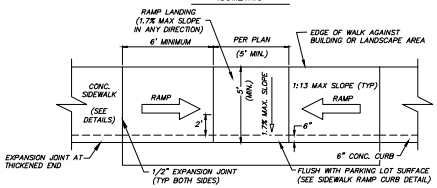
CONCRETE SIDEWALK
NOT TO SCALE



NOTES:
1. SIDEWALK SHALL BE PORTLAND CEMENT CONCRETE.
2. INSTALL TRANSVERSE EXPANSION JOINTS TO MATCH STREET OR CURB AND GUTTER EXPANSION JOINTS AND AT ALL DRIVEWAY APPROACHES, FIXED STRUCTURES, BUILDINGS, AND SIDEWALK RAMPS. SPACING SHALL NOT EXCEED 100'.
3. FOR SIDEWALKS UP TO 6 FT. WIDE, INSTALL TRANSVERSE SAW–CUT JOINTS AT SPACING EQUAL TO SIDEWALK WIDTH.
4. FOR SIDEWALKS WIDER THAN 6 FT., INSTALL LONGITUDINAL SAW JOINT AT CENTERLINE OR AT A SPACING NOT TO EXCEED 5 FT.. TRANSVERSE SAW–CUT JOINT SPACING EQUAL TO HALF SIDEWALK WIDTH.
5. IF SIDEWALK IS REINFORCED, NO STEEL SHALL BE PLACED THROUGH AN EXPANSION JOINT.
6. SEE SEPARATE DETAIL FOR ADDITIONAL CONCRETE JOINT REQUIREMENTS.

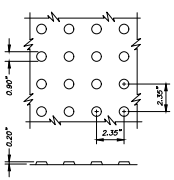
CONCRETE SIDEWALK AT BACK OF CURB
NOT TO SCALE





NOTES:
1. RAMP SHALL BE 4" THICK PORTLAND CEMENT CONCRETE – SEE SPECS.
2. EXPANSION JOINT SHALL BE 1/2" PREFORMED CORK OR BITUMINOUS EXPANSION JOINT MATERIAL.
3. MAXIMUM RAMP CROSS SLOPE IS 1.7%.
4. MAXIMUM RAMP LONGITUDINAL SLOPE IS 1:13. USE A FLATTER RAMP SLOPE WHEN POSSIBLE.
5. RAMP LANDING SLOPE SHALL NOT EXCEED 1.7% IN ALL DIRECTIONS.

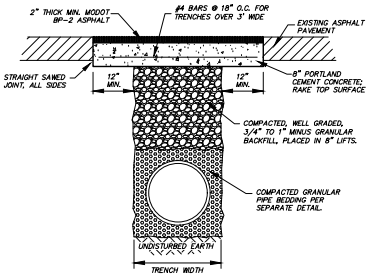
PARALLEL CURB RAMP
NOT TO SCALE



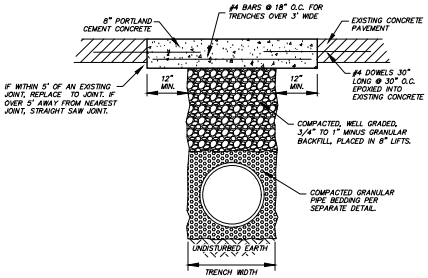
TRUNCATED DOME PATTERN

NOTES:
1. DETECTABLE WARNINGS SHALL BE RAISED TRUNCATED DOMES PER CURRENT ADA STANDARDS.
2. DETECTABLE WARNINGS SHALL EXTEND A MINIMUM 24" IN THE DIRECTION OF TRAVEL AND THE FULL WIDTH OF THE RAMP OR LANDING.
3. DETECTABLE WARNINGS SHALL CONTRAST VISUALLY WITH ADJACENT WALKWAY SURFACES, EITHER LIGHT–ON–DARK OR DARK–ON–LIGHT.
4. SEE SEPARATE CURB RAMP DETAILS FOR EXACT INSTALLATION LOCATIONS.
5. DETECTABLE WARNINGS SHALL BE A CAST IN PLACE SYSTEM MANUFACTURED BY EITHER ADA SOLUTIONS, INC. (BRICK RED COLOR), ARMOR–TILE TACTILE SYSTEMS (COLONIAL RED COLOR), OR APPROVED EQUAL. INSTALL PER MANUFACTURER'S INSTRUCTIONS.

DETECTABLE WARNINGS FOR CURB RAMPS
NOT TO SCALE



EXISTING ASPHALT PAVEMENT



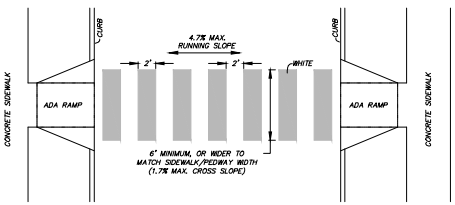
EXISTING CONCRETE PAVEMENT

NOTES:
1. CONCRETE SHALL BE A MINIMUM 5,000 PSI AND AIR–ENTRAINED.
2. PROVIDE A MINIMUM 2 SLOTS ON THE BOTTOM OF THE BUMPER FOR DRAINAGE.

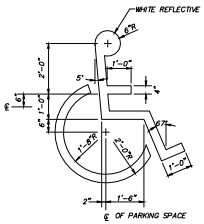
CONCRETE PARKING BUMPER
NOT TO SCALE

NOTES:
1. CONCRETE SHALL BE 4,000 PSI WITH 6% AIR.
2. REINFORCEMENT SHALL BE GRADE 60.
3. A MINIMUM OF 5' OF CONCRETE CURB AND GUTTER SHALL BE REPLACED. WHERE THE REPAIR WILL BE WITHIN 5' OF A JOINT, REPLACE CONCRETE CURB AND GUTTER TO THE JOINT. NO SECTION OF CONCRETE CURB AND GUTTER SHALL BE LESS THAN 5' LONG.
4. CLEAN GRANULAR MATERIAL IS NOT SUITABLE TRENCH BACKFILL.

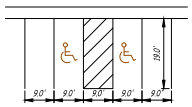
TRENCH PATCHING WITHIN PAVED AREAS
NOT TO SCALE



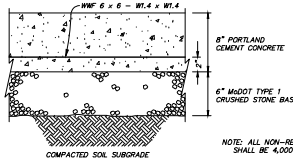
CROSSWALK DETAIL
NOT TO SCALE



ACCESSIBLE SYMBOL
NO SCALE

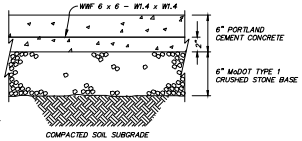


PARKING DIMENSIONS
NOT TO SCALE

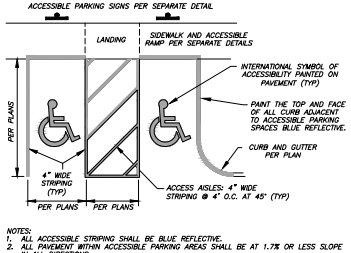


HEAVY DUTY CONCRETE PAVEMENT
NOT TO SCALE

NOTE: ALL NON–REINFORCED CONCRETE SHALL BE 4,000 PSI AT 28 DAYS.



STANDARD DUTY CONCRETE PAVEMENT
NOT TO SCALE



NOTES:
1. ALL ACCESSIBLE STRIPING SHALL BE BLUE REFLECTIVE.
2. ALL PAVEMENT WITHIN ACCESSIBLE PARKING AREAS SHALL BE AT 1.7% OR LESS SLOPE IN ALL DIRECTIONS.

ACCESSIBLE PARKING STALL STRIPING (MISSOURI)
NOT TO SCALE

PLANNING & ZONING #20–002498 APPROVED MAY 7, 2020

ENGINEERING SURVEYS AND SERVICES
EST. 1994
Engineering Surveys & Services
Consulting Engineers, Land Surveyors, Architects and Material Laboratories
1113 Fay Street, Columbia, Missouri 65201
573-449-2646 | www.essmo.com
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Jefferson City - Sedalia - Wildwood
Missouri Engineering Corporation # 2004005918

MEADOWOOD ESTATES - PHASE I
LOT 1 - MEADOWOOD ESTATES SUBDIVISION
O'FALLON, ST.CHARLES COUNTY, MISSOURI

STATE OF MISSOURI
MATTHEW AARON KRIETE
NUMBER PE-2007002811
7/24/2020

MATTHEW A. KRIETE
PROFESSIONAL ENGINEER
PE–2007002811

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Date
MAY 22, 2020

Revised
1 JULY 14, 2020
CITY COMMENTS

Design: KAH Drawn: MJS

SITE DETAILS

Sheet
C10.01

ES&S PROJECT NO. 14480

J:\CORRECTION\PROJECTS\2014\14480\14480 COVER & DETAILS.DWG 7/14/2020