NOTE:

UNLESS OTHERWISE APPROVED IN WRITING BY THE CITY ENGINEER, BASE MIX SHALL BE TYPE 2.

* WIDTH MAY VARY BASED ON APPROVED SUBDIVISION DESIGN.
**NOTE:**

1. UNLESS OTHERWISE APPROVED IN WRITING BY THE CITY ENGINEER, BASE MIX SHALL BE TYPE 2.

2. 5’ WIDE SIDEWALKS TO BE CONSTRUCTED ALONG COLLECTOR AS PART OF PROJECT.

* WIDTH MAY VARY BASED ON APPROVED SUBDIVISION DESIGN.
CUT SECTION

FILL SECTION

NOTE:
1. DESIGN GEOMETRICS TO BE APPROVED BY THE CITY ENGINEER FOR EACH INDIVIDUAL PROJECT.
2. UNLESS OTHERWISE APPROVED IN WRITING BY THE CITY ENGINEER BASE MIX SHALL BE TYPE 2.
3. SIDEWALKS TO BE CONSTRUCTED ALONG MINOR ARTERIAL AS PART OF PROJECT.

* WIDTH MAY VARY BASED ON APPROVED SUBDIVISION DESIGN.
** REQUIRED RIGHT-OF-WAY WIDTH SHALL BE DETERMINED ON A CASE BY CASE BASIS.
CAR STORAGE LENGTH (VARIES) 45.59'

SEE TAPER DETAIL

*CONCRETE PAVER MEDIAN

1/4" x 5" STEEL LANDSCAPE BORDER

2' TYPE "CG-1" CURB AND GUTTER

PLAN

111.02' TYP

62.21'

107.61'

3.62' R

3.25' (çı TO BACK OF CURB)

SEC A-A

2' TYPE "CG-1" CURB AND GUTTER

TAPER DETAIL

10'CONC TAPER

2.25'R

*CONCRETE PAVER MEDIAN

ASPHALTIC CONCRETE BACKFILL (BM-2C)

SEC C-C

NOSE DETAIL
LEFT TURN BAY ISLANDS

10'CONC TAPER

3"R

6"MIN

SEC B-B

VARIES

SOD
(OR LOW HEIGHT PLANTERS OR LANDSCAPING)

MIN. ASPHALT DEPTH

COMPACTED BACKFILL (90% OF STANDARD MAX DENSITY)

CURVE INFO

1
A= 45.67
C= 45.59
Δ= 11.50
R= 227.48
T= 22.91

2
A= 45.67
C= 45.59
Δ= 11.50
R= 227.48
T= 22.91

3
A= 11.65
C= 7.23
Δ= 175.69
R= 3.62
T= 96.16

* SEE SPEC DRAWING D14-4a FOR PAVER DETAILS
ALL PAVERS SHALL BE MANUFACTURED BY PAVESTONE AND SHALL CONFORM TO THE FOLLOWING SPECIFICATIONS:

THE PATTERN SHALL BE MADE UP AND LAID CONFORMING TO EITHER OF THE FOLLOWING:

1. **PLAZA I (40%), PLAZA II (40%) AND GIANT HERITAGE (10%)**

![Diagram of pattern 1]

2. **PLAZA I (50%), PLAZA II (50%)**

![Diagram of pattern 2]

**TYPICAL CROSS SECTION OF CONCRETE PAVE STONE INSTALLATION**

- SAND-FILLED JOINTS
- PAVE STONES
- SAND – 1” LAYING COURSE
- AGGREGATE BASE

INSTALLATION SHALL CONFORM TO MANUFACTURE’S SPECIFICATIONS

THE COLOR SHALL BE 50% AUTUMN BLEND AND 50% WINTER BLEND

ALL PAVERS SHALL BE SWEPT WITH SAND AND THROUGHLY VIBRATED UPON COMPLETION OF LAYING

REV 2009
**CUT SECTION**

1. 1/2" ASPHALTIC CONCRETE SURFACE (TYPE 3)
2. 9" ASPHALTIC CONCRETE BASE (TYPE 2)

**FILL SECTION**

6" CRUSHED AGGREGATE BASE (MODOT) TYPE 1

NOTE:

1. ASPHALTIC CONCRETE BASE MIX SHALL BE TYPE 2 UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.
2. SIDEWALKS TO BE CONSTRUCTED ALONG MAJOR ARTERIAL AS PART OF PROJECT.

* WIDTH MAY VARY BASED ON APPROVED SUBDIVISION DESIGN.
** REQUIRED RIGHT–OF–WAY WIDTH SHALL BE DETERMINED ON A CASE BY CASE BASIS.
NOTE:
CAP FURNISHED BY CONTRACTOR.
SECTION MARKER TO HAVE TOWNSHIP AND RANGE STAMPED ON THE TOP WITH TRUE SECTION CORNER ETCHED ON THE SURFACE BY SURVEYOR LICENSED IN THE STATE OF MISSOURI.

30" STANDARD ALUMINUM PIPE MONUMENT WITH MAGNETIC CAP BERNTSEN TYPE AU-1 OR APPROVED EQUAL. SET MONUMENT SO THAT THE CAP CAN BE READ FROM THE SOUTH

CAST-IN-PLACE CONCRETE
CAST-IN-PLACE CONCRETE COMPACTED MOIST SOIL BACKFILL
CAST-IN-PLACE CONCRETE

NEENAH R-1968 TYPE 36-B OR APPROVED EQUAL

FINISH GRADE

STANDARD LAND CORNER MONUMENT
(NO SCALE)

REV 2009
GUTTER APRON SHALL BE 6" THICK & HAVE SAME REINFORCEMENT AS CROSSSPAN.

FLOW LINE ON UNIFORM GRADE

3-#6x2' BARS(TYP)

EXPANSION JOINTS @6' CTRS

EXPANSION JOINT

CROWN SHALL BE TRANSITIONED OUT OF THE STREET. NO CROWN EXISTS IN CROSSPANS.

6"X6"-10X10 WIRE MESH

3" ASPHALT BASE(MIN)

SECTION A-A

CONTRACTION JOINT

NOTE:
CROSS PAN DETAIL SHALL BE USED AT ALL LOCATIONS WHERE DRAINAGE TO BE TRANSPORTED ACROSS RETURN WITH LONGITUDINAL SLOPE OF ROADWAY BETWEEN .5% & 1% UNLESSES OTHERWISE DIRECTED BY THE CITY ENGINEER.

FOR USE WITH ASPH. CONC. END RETURNS
NOTES:
1. DESIGN GEOMETRICS TO BE APPROVED BY THE CITY ENGINEER FOR EACH INDIVIDUAL PROJECT.
2. UNLESS OTHERWISE APPROVED IN WRITING BY THE CITY ENGINEER BASE MIX SHALL BE TYPE 2.
3. SIDEWALKS TO BE CONSTRUCTED ALONG THE ROADWAY AS PART OF PROJECT.
4. APPLICABLE FOR THE FOLLOWING ROADWAYS ONLY:
   * N LIGHTBURN ST (FROM DUNIHAN ST NORTH TO CITY LIMITS)
   * ROUTE H (FROM R.E. BOWLES/MILL EAST TO CITY LIMITS)
   * ROUTE B (FROM ROUTE H/ROUTE B INTERSECTION NORTH TO CITY LIMITS)
   * SOUTHVIEW DR (FROM CLAYWOODS DR SOUTH TO RUTH E WING RD)
   * OLD 210 HWY (FROM 291 HWY EAST TO CITY LIMITS)
   * CHURCH RD (FROM CITY LIMITS SOUTH TO KANSAS ST)
   * GLENN HENDREN DR (FROM N LIGHTBURN ST SOUTH TO NASHUA RD)
   * S STEWART RD (FROM SW PROPERTY LINE OF LIBERTY COMMONS SOUTH TO CITY LIMITS)
   * EDGAR PETTY RD (FROM CITY LIMITS SOUTH TO 69 HWY)
5. ONCE DEPTH OF DITCH IS WITHIN 4" OF THE PAVEMENT EDGE DURING A 25-YEAR STORM EVENT, A MINIMUM 5" WIDE FLAT BOTTOM DITCH IS REQUIRED TO EXPAND CAPACITY.
6. MINIMUM STANDARDS AS ESTABLISHED FOR A MINOR ARTERIAL SHALL BE MET REGARDING VERTICAL AND HORIZONTAL GEOMETRY, DESIGN SPEED, DRIVE SPACING, PARKING AND PAVEMENT MARKING.
7/6 SIDEWALK OR TRAIL WHEN IDENTIFIED ON TRAIL MASTER PLAN.
   * ROAD WIDTH MAY VARY BASED ON APPROVED SUBDIVISION DESIGN.
   ** REQUIRED RIGHT-OF-WAY WIDTH SHALL BE DETERMINED ON A CASE BY CASE BASIS.
   *** BUT SHALL BE 82' MINIMUM.

NOTES: UNDERDRAIN DETAIL
1. UNDERDRAIN PIPE SHALL BE INSTALLED WITH THE PERFORATIONS PLACED DOWN.
2. ALL FILTER FABRIC USED FOR PIPE UNDERDRAIN CONSTRUCTION SHALL CONFORM TO KCAPWA STANDARD SPECIFICATIONS SECTION 2203.6
3. THE CONTRACTOR MAY, AT HIS DISCRETION, USE OTHER PIPE UNDERDRAIN, BUT SHALL NOT MIX UNDERDRAIN TYPES WITHIN ANY UNDERDRAIN SYSTEM.
4. ALL EDGE UNDERDRAIN SHALL BE HELD IN THE CENTER OF THE TRENCH BY MECHANICAL METHODS WHILE PLACING GRANULAR BACKFILL. SEE DETAIL THIS SHEET. ALTERNATE METHODS MAY BE USED WITH PRIOR APPROVAL BY THE CITY ENGINEER.
5. BLANKET UNDERDRAIN AGGREGATE, PIPE UNDERDRAIN AGGREGATE, PIPE UNDERDRAIN, EDGE UNDERDRAIN AND OUTLET PIPE SHALL CONFORM TO KCAPWA STANDARD SPECIFICATIONS SECTION 2203.6