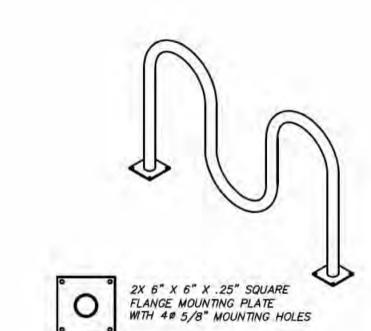
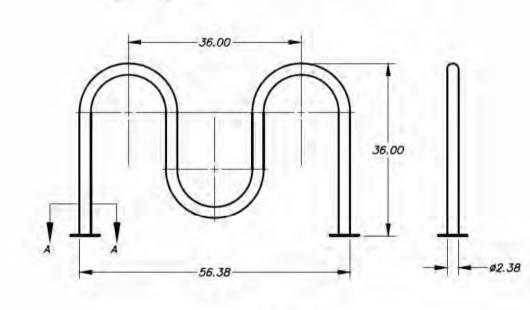
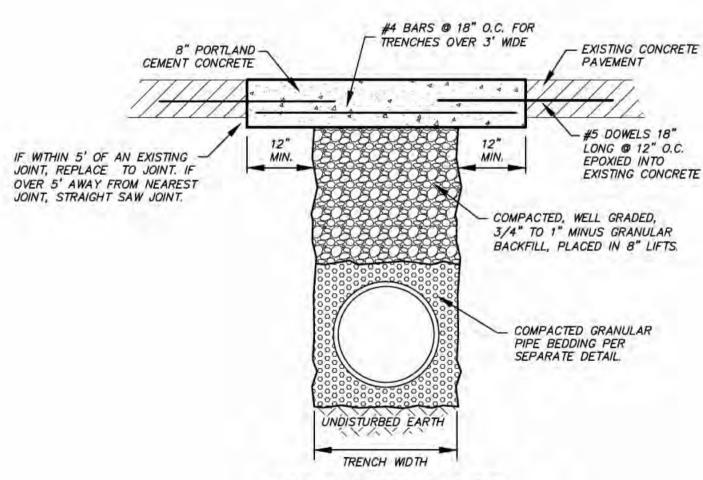
ROLLBACK CURB TO 6" CURB TRANSITION NOT TO SCALE





BIKE RACK NOT TO SCALE



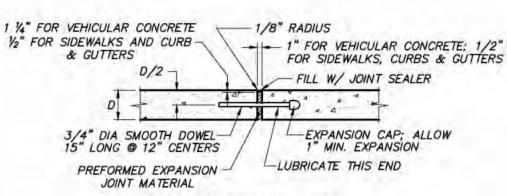
EXISTING CONCRETE PAVEMENT

1. CONCRETE SHALL BE 4,000 PSI WITH 6% AIR.

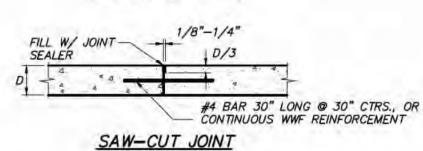
2. REINFORCEMENT SHALL BE GRADE 60. 3. A MINIMUM OF 5' OF CONCRETE CURB AND GUTTER SHALL BE REPLACED. WHERE THE REPAIR WILL BE WITHIN 5' OF A JOINT, REPLACE CONCRETE CURB AND GUTTER TO THE JOINT. NO SECTION OF

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

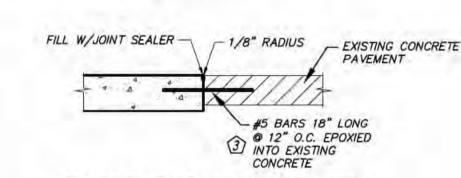


EXPANSION JOINT



FILL W/JOINT SEALER --1/8" RADIUS D/2 -3/4" DIA SMOOTH DOWEL 15" LONG @ 12" CTRS. LUBRICATE ONE END-

CONSTRUCTION JOINT



PRIOR TO CONSTRUCTION, CONTRACTOR SHALL SUBMIT A PAVEMENT JOINT PLAN OF ALL CONCRETE PAVEMENT FOR APPROVAL.

EXISTING CONCRETE PAVEMENT JOINT

2. CONCRETE PAVEMENT SHALL HAVE SAW-CUT OR CONSTRUCTION JOINTS EVERY 10 FEET FOR 4 INCH THICK PAVEMENT, 12 FEET FOR 5 INCH THICK PAVEMENT, AND 15 FEET FOR 6 INCH THICK PAVEMENT OR GREATER, PANELS SHALL BE CUT SUCH THAT PANELS ARE NEARLY SQUARE AND DO NOT EXCEED 1.4 LENGTH TO WIDTH RATIO. EXPANSION JOINTS SHALL BE PROVIDED AT ALL FIXED STRUCTURES, SUCH AS: LIGHT STANDARD FOUNDATIONS, SEWER STRUCTURES, BUILDINGS, WALLS, BOTTOM OF STAIRS, ROOF DRAINS, ETC., AND EVERY 150 FEET MAXIMUM. DOWEL BARS SHALL BE PROVIDED AT TRANSVERSE JOINTS IN ALL HEAVY DUTY PAVEMENT DRIVE AISLES.

3. THIS DETAIL APPLIES TO ALL CONCRETE PAVEMENT FOR PARKING LOTS, DRIVE/ACCESS AISLES, CURBS & GUTTERS, AND SIDEWALKS. 4. INCLUDE BAR WITH TRANSVERSE SAW-CUT JOINTS FOR HEAVY DUTY PAVEMENT. OMIT BAR WITH

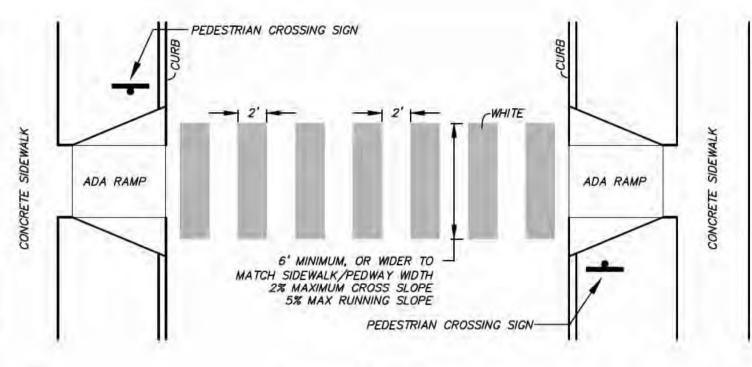
SAW-CUT JOINTS FOR STANDARD DUTY PAVEMENT AND SIDEWALKS. 5. PROVIDE CONSTRUCTION JOINT AT END OF DAYS WORK OR IF CONCRETE PLACEMENT IS SUSPENDED FOR MORE THAN 30 MINUTES.

6. SAW-CUT JOINTS SHALL BE CUT WITHIN 12 HOURS OF INITIAL SET OF CONCRETE. RAVELED

7. JOINT SEALANT IS REQUIRED FOR ALL JOINTS AND SHALL BE LIGHT GRAY IN COLOR. 8. OMIT DOWEL BARS FOR EXPANSION JOINTS AT BUILDINGS, LIGHT STANDARDS, AND ROOF DRAINS.

NOT TO SCALE

CONCRETE PAVEMENT JOINTS



CROSSWALK DETAIL NOT TO SCALE

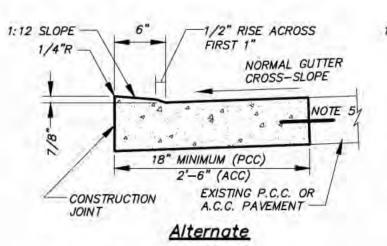
VARIES - SEE PLANS CROSS SLOPE 1/8" PER FOOT (1/4" PER FOOT MAX) EXPANSION JOINT 4" AGGREGATE BASE COMPACTED SOIL 000000000 SUBGRADE THICKEN TO 6

1. SIDEWALK SHALL BE 4000 PSI @ 28 DAYS 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.

CONCRETE SIDEWALK AT BACK OF CURB



PCC PAVEMENT NOTES

1. CONCRETE SHALL MATCH ADJACENT CONCRETE. 2. PAVEMENT THICKNESS SHALL MATCH EXISTING. BASE SHALL MATCH EXISTING.

3. EXPANSION JOINTS AND CONTRACTION JOINTS SHALL BE PLACED AT LOCATIONS SIMILAR TO THE PAVEMENT WHICH WAS REMOVED. 4. CURB EDGE SHALL BE TOOLED WITH 1/4" RADIUS.

5. WHERE PAVEMENT IS EXISTING P.C.C., LOW CURB REPLACEMENT SHALL BE DOWELLED INTO EXISTING USING 18" LONG #5 BARS AT 12" CTRS. 6. CONCRETE SHALL BE 4000 PSI @ 28 DAYS.

1:12 SLOPE NORMAL GUTTER CROSS-SLOPE 18" MINIMUM (PCC) 2'-6" (ACC) EXISTING P.C.C. OR A.C.C. PAVEMENT -- CONSTRUCTION

ACC PAVEMENT NOTES:

1. CONCRETE SHALL MATCH SIDEWALK CONCRETE. 2. GUTTER THICKNESS & BASE SHALL MATCH

ADJACENT PAVEMENT. 3. EXPANSION JOINTS AND CONTRACTION JOINTS SHALL BE PLACED AT LOCATIONS SIMILAR TO THE ADJACENT CURB AND GUTTER.

4. CURB EDGE SHALL BE TOOLED WITH 1/4" RADIUS. 5. WHERE PAVEMENT IS EXISTING P.C.C., LOW CURB REPLACEMENT SHALL BE DOWELLED INTO EXISTING

USING 18" LONG #5 BARS AT 12" CTRS. 6. CONCRETE SHALL BE 4000 PSI @ 28 DAYS.

SIDEWALK RAMP CURB

NOT TO SCALE

GUTTER SLOPE SHALL MATCH ADJACENT PAVEMENT SLOPE. VARIES TO MATCH 5" MODOT ADJACENT GRADE TYPE 1 CRUSHED STONE BASE

COMPACTED SOIL SUBGRADE

CONCRETE SHALL BE 4000 PSI @ 28 DAYS. CURB AND GUTTER MAY BE INTEGRAL IF CONCRETE PAVEMENT IS USED. INSTALL TRANSVERSE EXPANSION JOINTS TO MATCH ADJACENT PAVEMENT, OR AT EVERY 150' MAX.

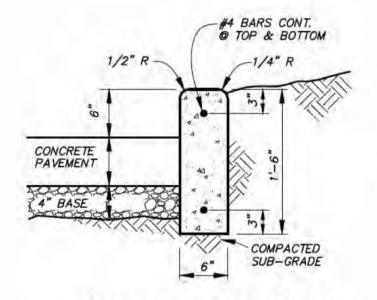
INSTALL SAW-CUT JOINTS TO MATCH ADJACENT PAVEMENT OR EVERY 10' MAX. 5. SAW-CUT JOINTS SHALL EXTEND THROUGH THE ENTIRE CURB SECTION FROM THE TOP OF CURB TO A DEPTH OF 2" BELOW THE GUTTER SURFACE.

6" CONCRETE CURB & GUTTER SECTION NOT TO SCALE

NOT TO SCALE

CONCRETE SHALL BE 4000 PSI @ 28 DAYS 5" MoDOT TYPE 1 CRUSHED STONE BASE COMPACTED SOIL SUBGRADE

6" INTEGRAL CONCRETE CURB SECTION NOT TO SCALE



STAND UP CURB (ALTERNATE) NOT TO SCALE

1. CONCRETE SHALL BE 4,000 PSI @ 28 DAYS CONCRETE.

2. PROVIDE 1" DEEP x 1/4" WIDE CONTROL JOINTS AT MAXIMUM 10' SPACING.

3. PROVIDE 1/2" EXPANSION JOINTS AT MAXIMUM 60' INTERVALS AND AT EXISTING CONCRETE USING #4 DOWELS x 12" LGT. - TOP AND BOTTOM - PREVENT BONDAGE TO CONCRETE AT ONE END.

VARIES CROSS SLOPE 1/8" PER FOOT (1/4" PER FOOT MAX)

SIDEWALK SHALL BE 4000 PSI @ 28 DAYS CONCRETE. 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

SIDEWALK WIDTH. 5. FOR SIDEWALKS WIDER THAN 6 FT., INSTALL LONGITUDINAL SAW JOINT AT CENTERLINE OR AT A SPACING

> CONCRETE SIDEWALK NOT TO SCALE



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5. IF SIDEWALK IS REINFORCED, NO STEEL SHALL BE PLACED THROUGH AN EXPANSION JOINT. THICKENED CONCRETE SIDEWALK WWF 6 x 6 - W1.4 x W1.4 8" PORTLAND

CEMENT CONCRETE (4,000 PSI @ 28 DAYS) 6" MODOT TYPE 1 CRUSHED STONE BASE

4" AGGREGATE BASE-

SHALL NOT EXCEED 100'

SIDEWALK WIDTH.

SIDEWALK SHALL BE 4000 PSI @ 28 DAYS CONCRETE.

VARIES - SEE PLANS

CROSS SLOPE 1/8" PER FOOT (1/4" PER FOOT MAX)

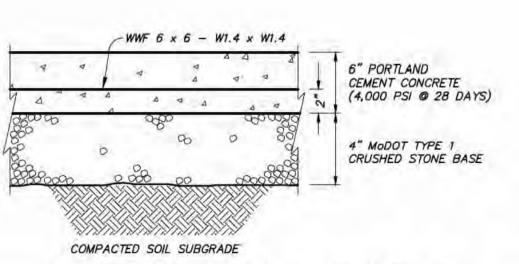
2. INSTALL TRANSVERSE EXPANSION JOINTS TO MATCH STREET OR CURB AND GUTTER EXPANSION JOINTS AND AT ALL DRIVEWAY APPROACHES, FIXED STRUCTURES, BUILDINGS, AND SIDEWALK RAMPS. SPACING

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.

3. FOR SIDEWALKS UP TO 6 FT. WIDE, INSTALL TRANSVERSE SAW-CUT JOINTS AT SPACING EQUAL TO

NOT TO SCALE

COMPACTED SOIL SUBGRADE HEAVY DUTY CONCRETE PAVEMENT NOT TO SCALE



6" UNLESS NOTED

ADJACENT PAVEMENT

OTHERWISE

STANDARD DUTY CONCRETE PAVEMENT NOT TO SCALE

4" AGGREGATE BASE

COMPACTED SOIL SUBGRADE

SIDEWALK SHALL BE PORTLAND CEMENT CONCRETE.

SHALL NOT EXCEED 100'. 4. FOR SIDEWALKS UP TO 6 FT. WIDE, INSTALL TRANSVERSE SAW-CUT JOINTS AT SPACING EQUAL TO

NOT TO EXCEED 5 FT. TRANSVERSE SAW-CUT JOINT SPACING EQUAL TO HALF SIDEWALK WIDTH. 6. IF SIDEWALK IS REINFORCED, NO STEEL SHALL BE PLACED THROUGH AN EXPANSION JOINT.

SITE DETAILS

HILLMANN

7/26/2016

MATTHEW AARON

NUMBER

PE-2007002811

MATTHEW A. KRIETE

PROFESSIONAL ENGINEER

PE-2007002811

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A CERTIFIED DOCUMENT.

MARCH 25, 2016

Revised

MAY 12, 2016

JULY 26, 2016

KRIETE