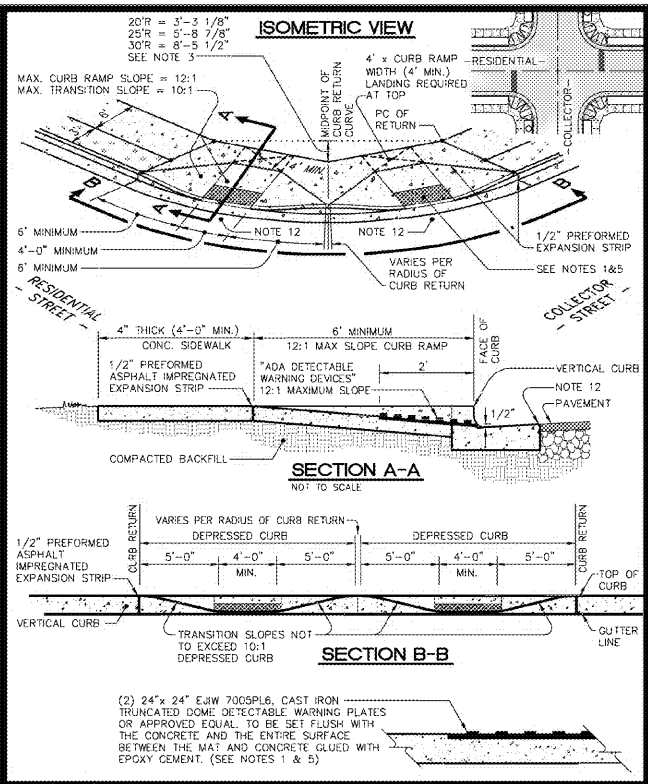


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COMMERCIAL DRIVEWAY CONNECTION	SCALE: Not To Scale DETAIL: 404.02 REVISION DATE: June, 2013 SHEET: 1 of 1

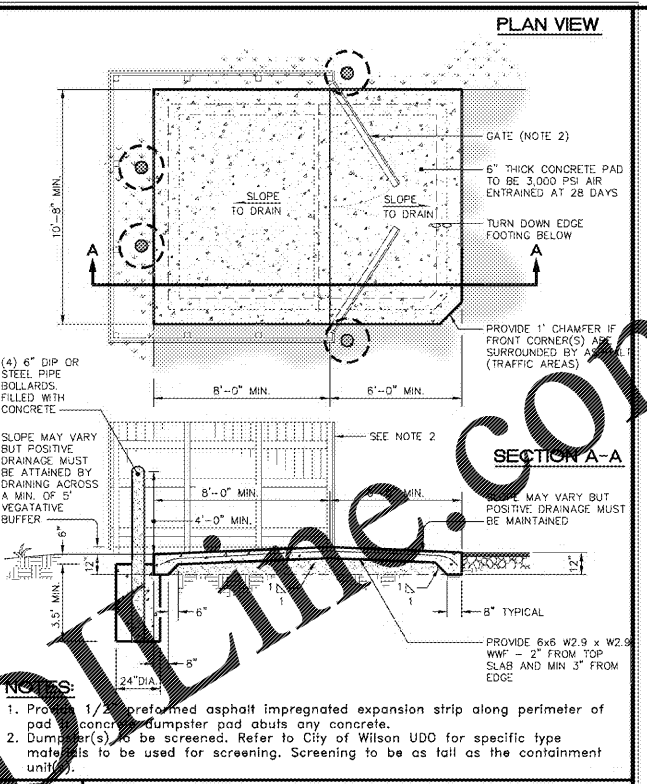


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TYPICAL CURB RAMP TYPE I	SCALE: Not To Scale DETAIL: 405.01 REVISION DATE: June, 2013 SHEET: 1 of 2

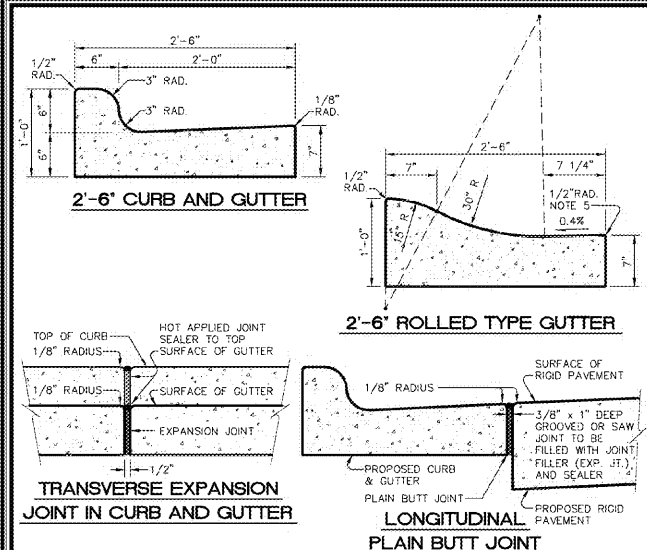
NOTES:

- Color contrast required only when detectable warning plates are employed. (ADA Standards for Accessible Design, section 705, Latest Edition). Recommended Min. light reflectance contrast is 70% (American National Standard ICC/ANSI A117.1 - Standard & Commentary Section 705.3, Latest Edition). When stamped is used to create domes, concrete shall be tinted battleship gray. Painted surface will not be acceptable. No color contrast is required when detectable warning plates are not used (See note 5).
- Allowable cross slope on sidewalks and curb ramps will be 2% maximum.
- Dimensions assume 90° centerline intersection of streets.
- Terminate street parking a minimum of 20' back of a pedestrian crosswalk.
- Detectable warning domes are not required for curb ramps located in single family developments.
- Curb ramps are not required at curb returns until such time as sidewalk is connected to return. Otherwise contractors are required to depress curb to the minimum dimensions shown for future ramp construction.
- Single curb ramp at the center of the return are not permitted.
- Detectable warning plates shall cover 2' length & full width of the curb ramp floor as shown on details.
- North Carolina General Statute 136-44.14 requires that all street curbs being constructed or reconstructed for maintenance procedures, traffic operations, repairs, correction of utilities or altered for any reason after September 1, 1973 shall provide curb ramps for the physically disabled at all intersections where both curb and gutter and sidewalks are provided and at other points of pedestrian flow.
- In addition, section 228 of the 1973 Federal Aid Highway Safety Act requires provision of curb ramps on any curb construction after July 1, 1976 whether a sidewalk is proposed initially or is planned for a future date. The Americans with Disability Act (ADA) of 1990 extends to individuals with disabilities. Comprehensive civil rights protections similar to those provided to persons on the basis of race, sex, national origin and religion under the Civil Rights Act of 1964. These curb ramps have been designed to comply with the current ADA standards (2010 ADA Standards for Accessible Design, dated September 15, 2010 & effective March 15, 2012).
- When construction is on a NCDOT Right-of-Way, construction shall conform to the latest edition of the NCDOT Roadway Standard drawings.
- Construction of curb ramps shall conform to the latest edition of the ICC/ANSI A117, Chapter 4 Accessible Routes.
- Construct the counter slope of the gutter or street at the base of the curb ramp a maximum of 5% and maintain a smooth transition.

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TYPICAL CURB RAMP TYPE I	SCALE: Not To Scale DETAIL: 405.01 REVISION DATE: June, 2013 SHEET: 2 of 2



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DUMPSTER PAD DETAIL (WITHOUT FLOOR DRAIN)	SCALE: Not To Scale DETAIL: 409.02 REVISION DATE: June, 2013 SHEET: 1 of 1



NOTES:

- Contraction joints shall be placed at 10' intervals. Min. joint spacing at catch basin tie-in shall be 5'. Where 10' curb sections are required to be removed, either remove & replace the entire joint or saw cut & dowel & minimum of 5' of curb to the next remaining section.
- Joint spacing may be altered if required by the City Engineer.
- Contraction joints may be installed by the use of templates or formed by other approved methods. Where such joints are not formed by templates, a minimum depth of 1 1/2" shall be obtained.
- All construction joints shall be filled with joint filler and hot applied joint sealer. See specifications section 02400.
- Expansion joints shall be spaced at 90' intervals, and adjacent to rigid objects.
- Concrete to be a minimum of 3,000 PSI @ 28 days air entrained.
- Seal joints before backfilling or performing adjacent operations.

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CONCRETE CURB, GUTTER AND CURB WITH GUTTER	SCALE: Not To Scale DETAIL: 402.01 REVISION DATE: June, 2010 SHEET: 1 of 1

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