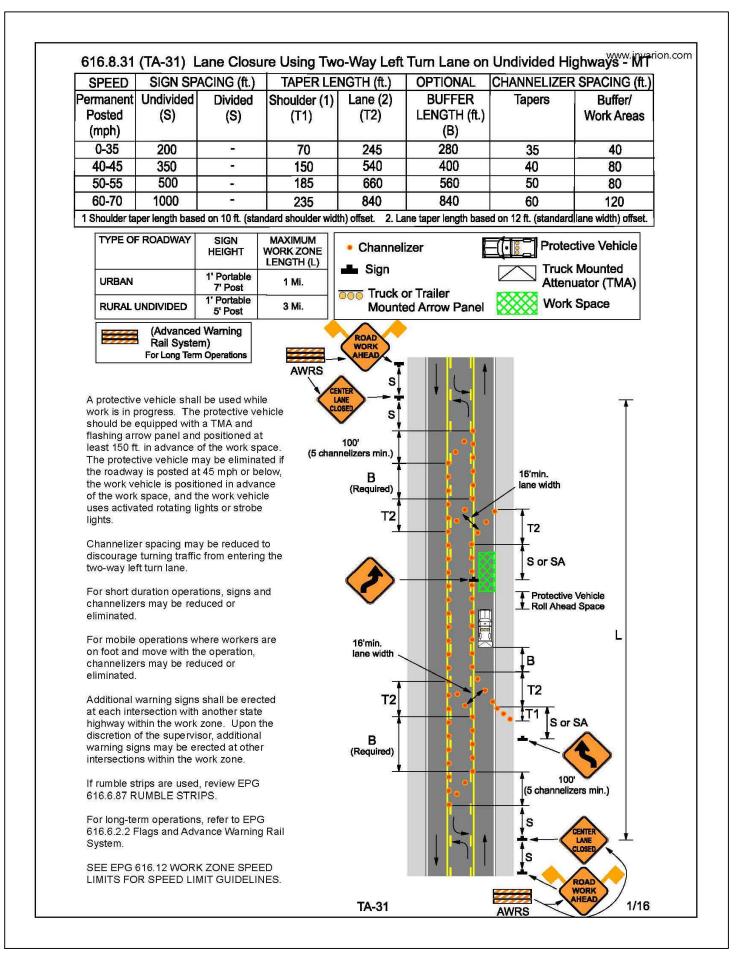
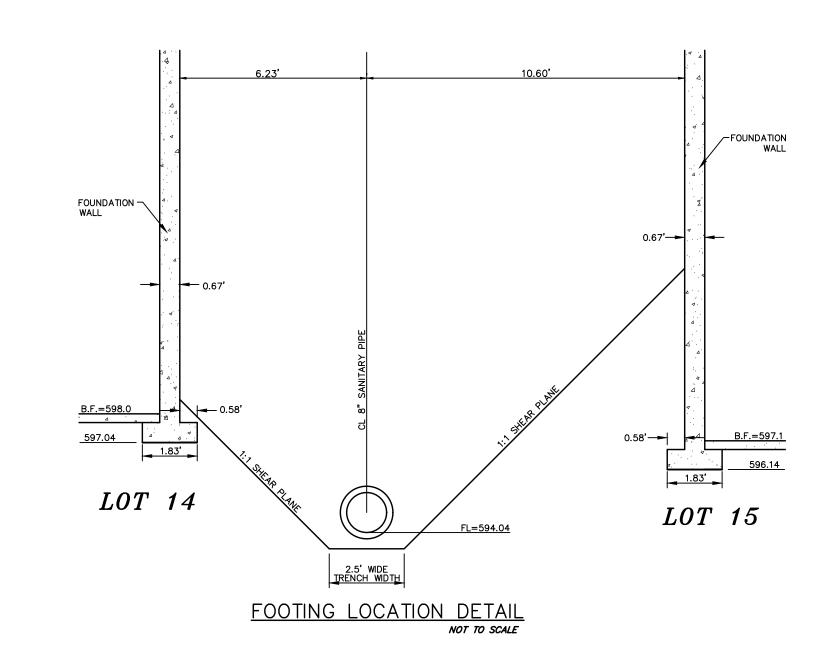


U.S.P.S. DETAILS ON THIS SHEET.







DISCLAIMER OF RESPONSIBILITY I hereby specify that the documents intended to be authenticated by my seal are limited to this sheet, and I hereby disclaim any responsibility for all other Drawings, Specifications, Estimates, Reports or other documents or instruments relating to or intended to be used for any part or parts of the architectural o engineering project or survey.



JEFFREY B. SIMMONS CIVIL ENGINEER

2007030831

REVISIONS 09/02/21 PWSD#2 & DUCKETT COMMENTS 09/10/21 PWSD#2 COMMENTS 09/27/21 CITY COMMENTS 10/11/21 CITY COMMENTS

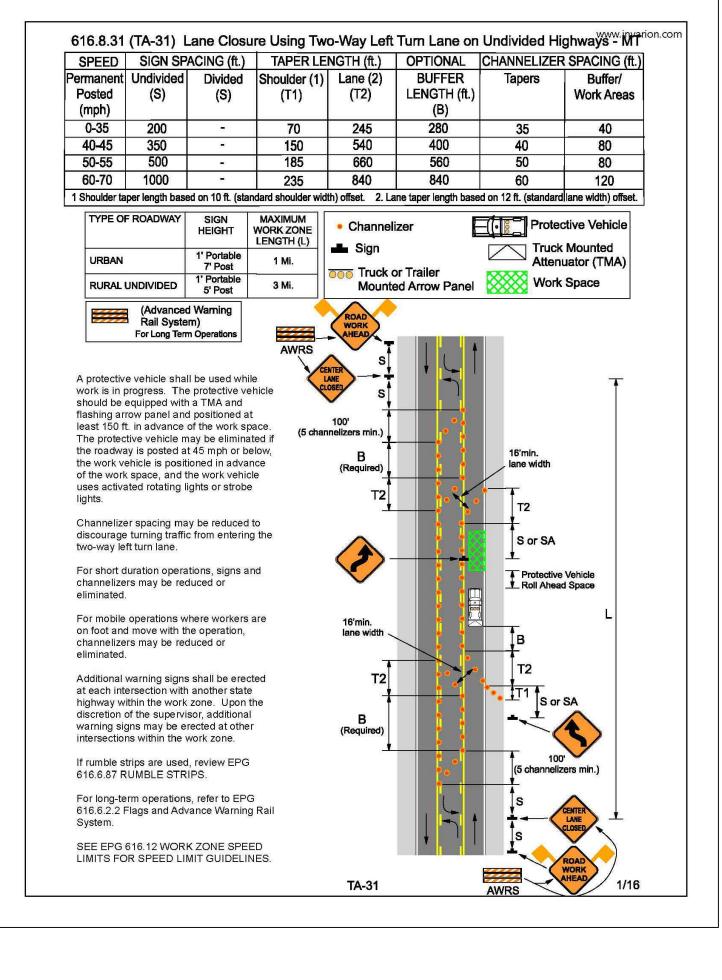
DETAIL

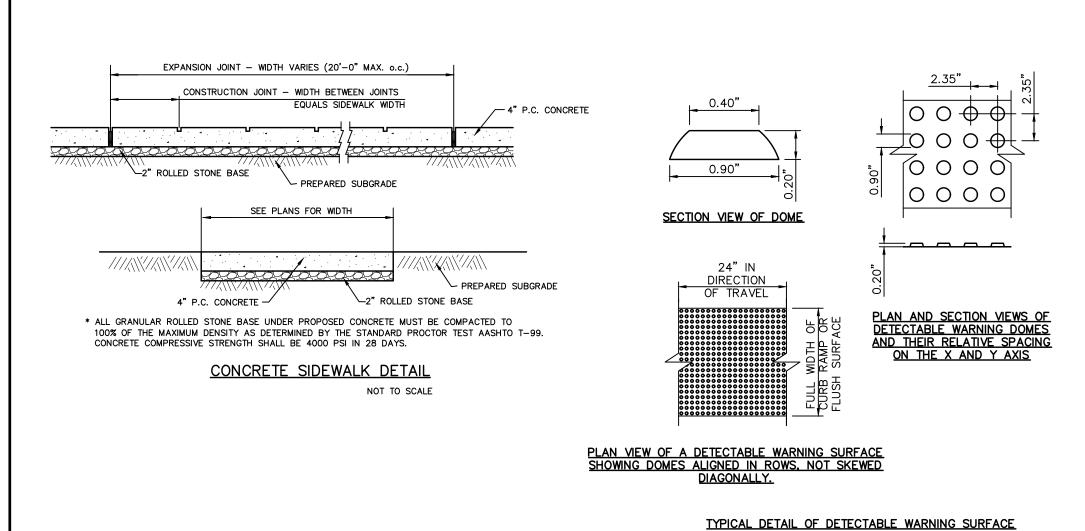
KAPB, L. 410 Cres O'Fallon, 636-272

P+Z No. #21-003778 Approval Date: 09/23/2021

City No. RSP21-000005 Page No.

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EXCAVATED TRENCH WIDTH TRUNCATED DOMES FOR CURB RAMPS LOCATED IN PUBLIC RIGHT-OF-WAY SHALL MEET ADA REQUIREMENTS AND SHALL BE CONSTRUCTED USING RED PRE-CAST TRUNCATED DOMES (NOT PRECAST CONCRETE) SUCH AS THOSE MANUFACTURED BY ARMOR TILE OR APPROVED EQUAL. -FINAL BACKFILL

— 4" MINIMUM BEDDING

The use of High Density Polyethylene Corrugated pipe A.D.S. N12 or Equal will be permitted as an acceptable alternative to reinforced concrete pipe. Pipe shall meet A.S.T.M. D-2321 and AASHTO M-294-921. Concrete flared end sections and inlet structures shall be required. Pipe must have smooth interior wall and is not to be used inside the Public Right-of-Way.

In typical conditions the minimum trench width is determined by the size of the pipe and

the ability to get compaction equipment between the pipe and the trench walls. The minimum trench width should not be less than the outside diameter plus 16 inches or the pipe outside diameter times 1.25 plus 12 inches; whichever is greater. High speed trenchers may enable satisfactory installation of pipe in narrower trenches. Poor insitu soil conditions such as peat, muck, running sands, or expansive clays will require substantially wider backfill as well as deeper foundation and bedding. Trench width and foundation depth should be based on a thorough site investigation.

3. Backfill in the area up to the springline should be carefully placed and compacted to achieve a minimum E value of 1,000 psi as detailed in ASTM D2321. A minimum of 12" of backfill should be placed and compacted above the crown of the pipe. It is typical for trenches to be backfilled entirely with Type I or Type II materials when under pavement.

4. Flexible pipe should never be installed in a concrete cradle, as done for rigid pipe in a Class A installation. This type of installation could create concentrated forces at the ends of the cradle when the pipe has deformed.

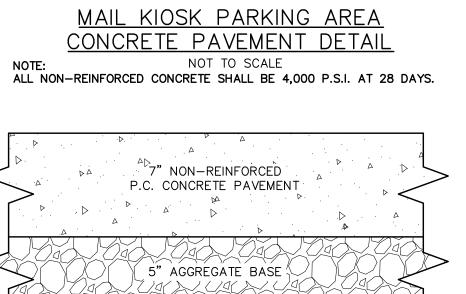
H.D.P.E. PIPE DETAIL

All concrete pipe or HDPE pipe shall be installed with o-ring rubber type gaskets per M.S.D. Standard Construction Specifications or Manufacturer.

FLOW PATTERN

TYPICAL LOT N.T.S.

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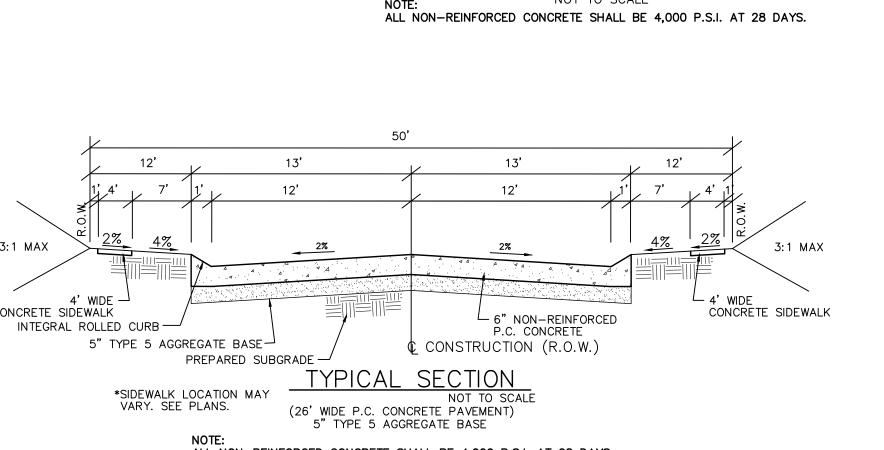


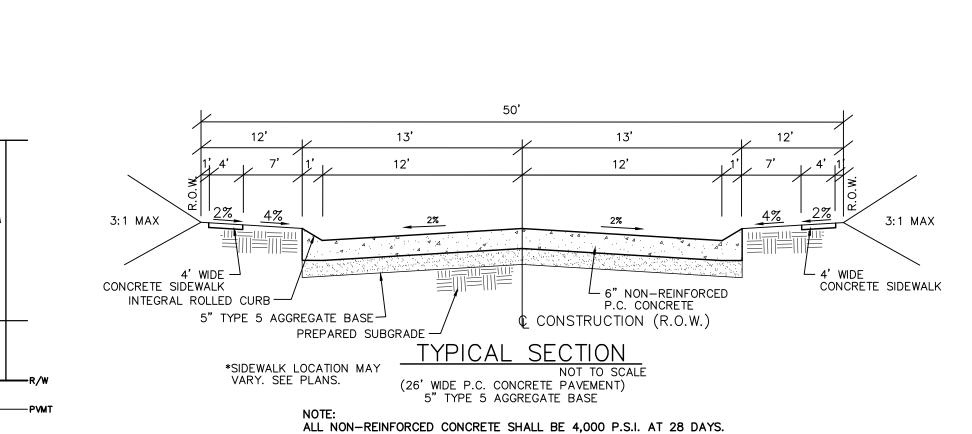
6" NON-REINFORCED

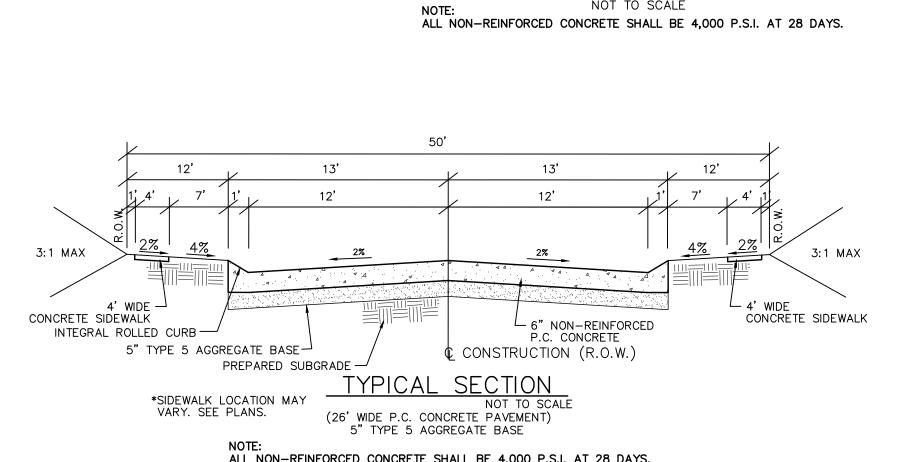
P.C. CONCRETE PAVEMENT

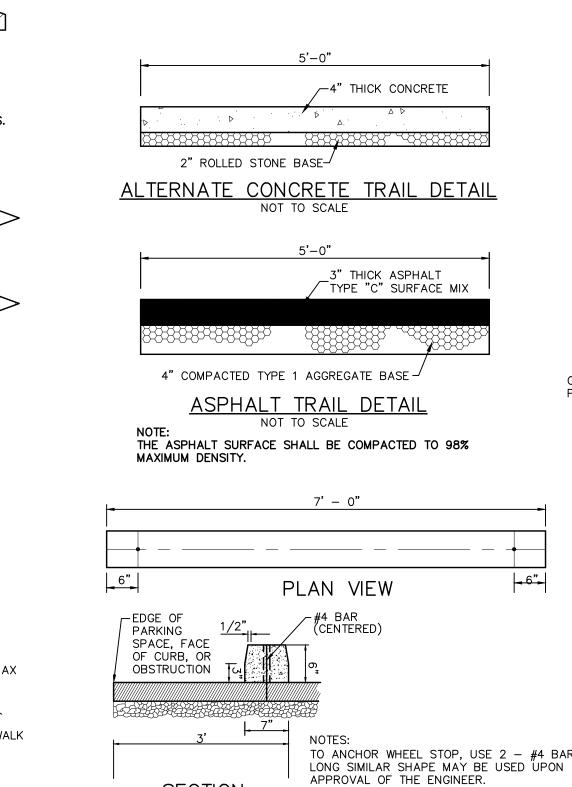
5" TYPE 5 AGGREGATE BASE

ENTRANCE APRON CONCRETE PAVEMENT DETAIL NOT TO SCALE

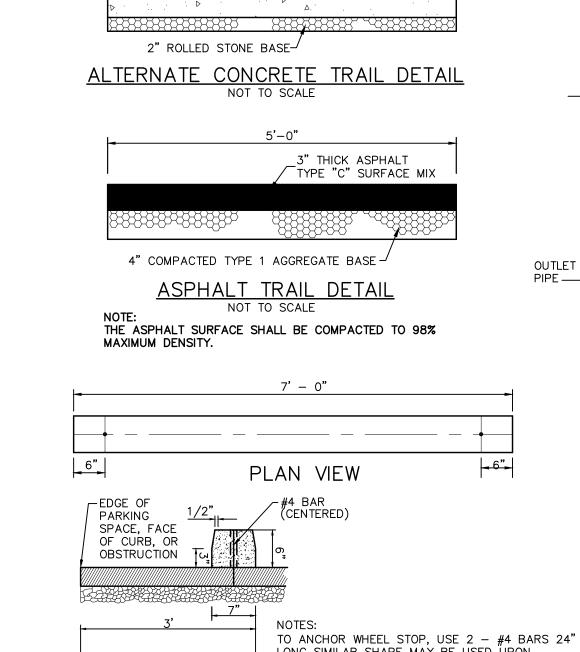








SECTION



PRECAST CONCRETE WHEELSTOP

