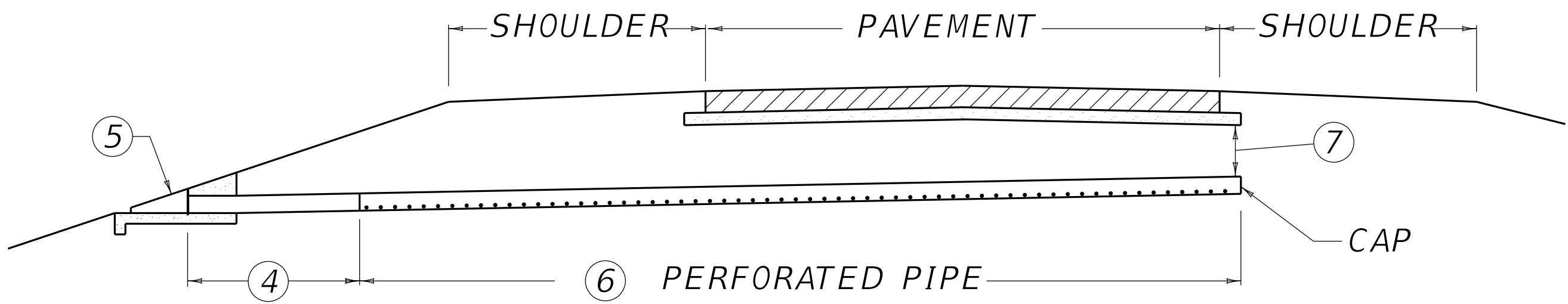
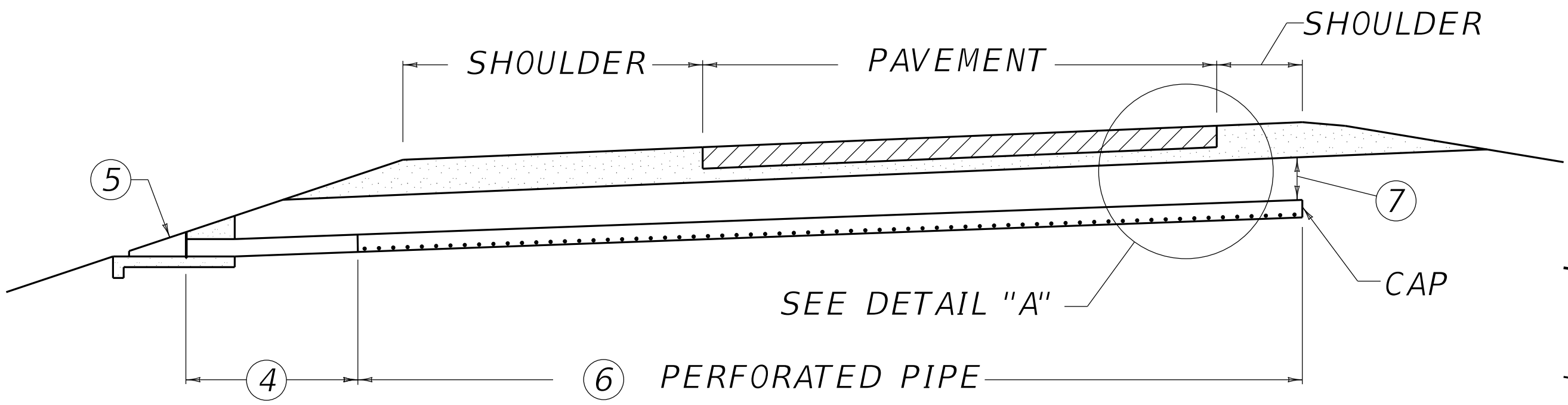


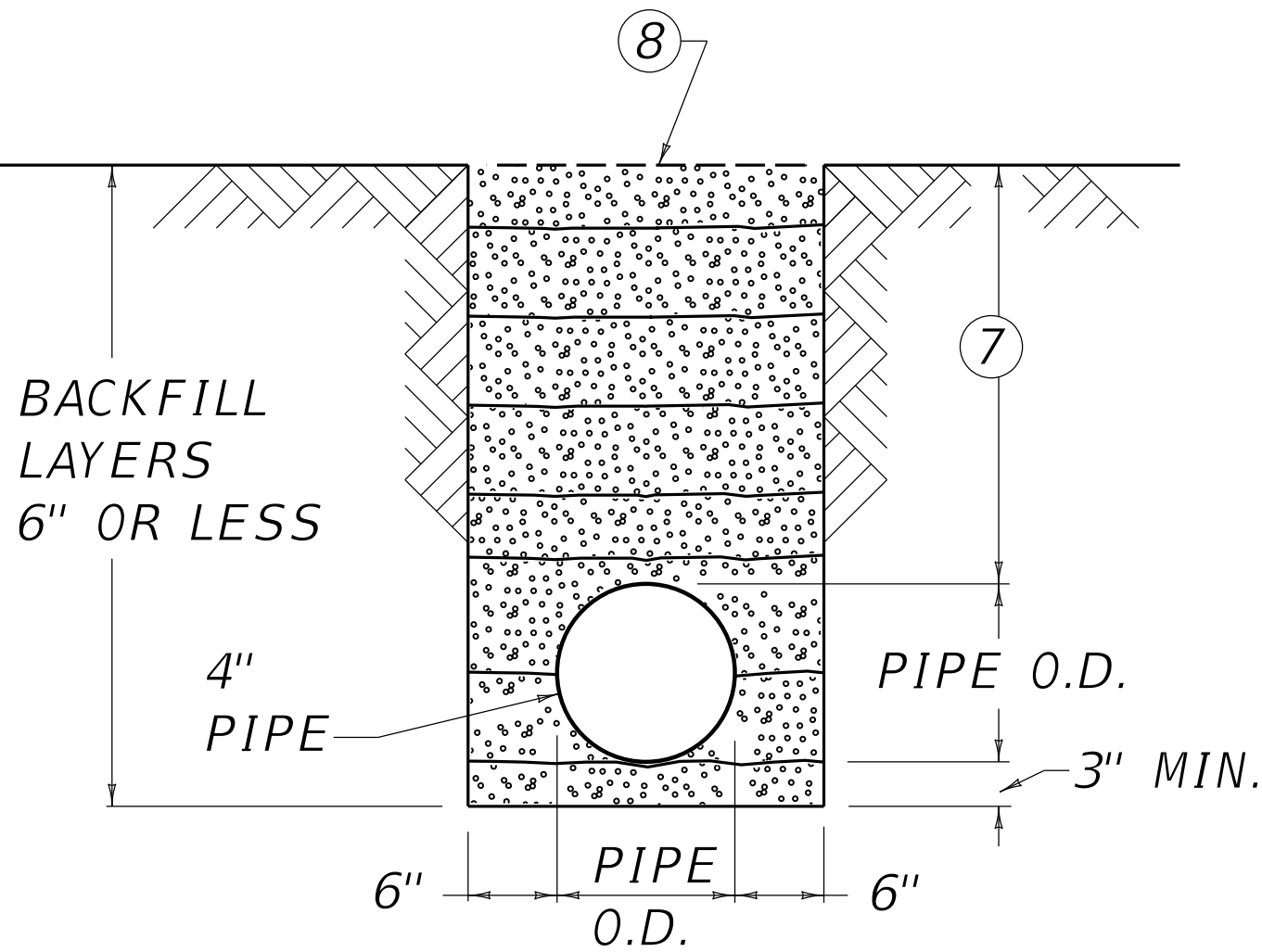
TYPICAL SUBGRADE DRAINAGE LOCATIONS



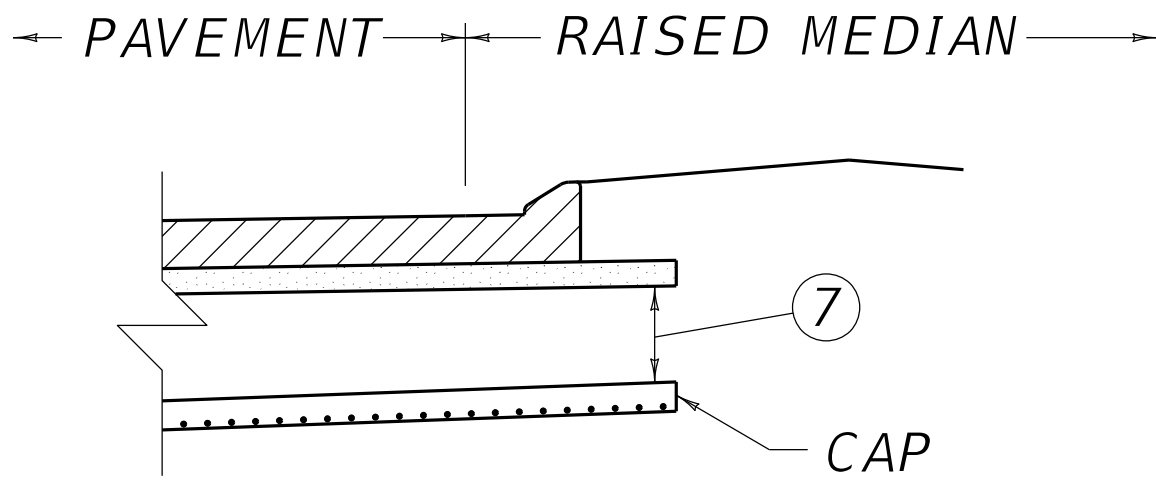
TANGENT SECTION - TWO LANE



TANGENT SECTION - MULTI LANE

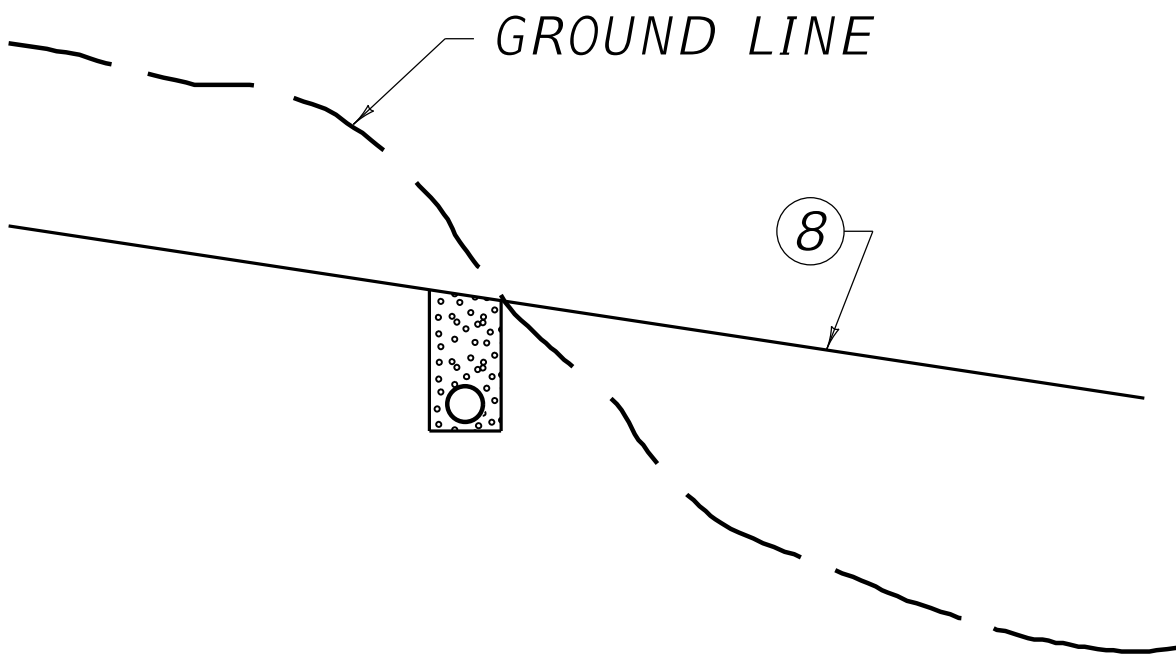


TRENCH DETAIL

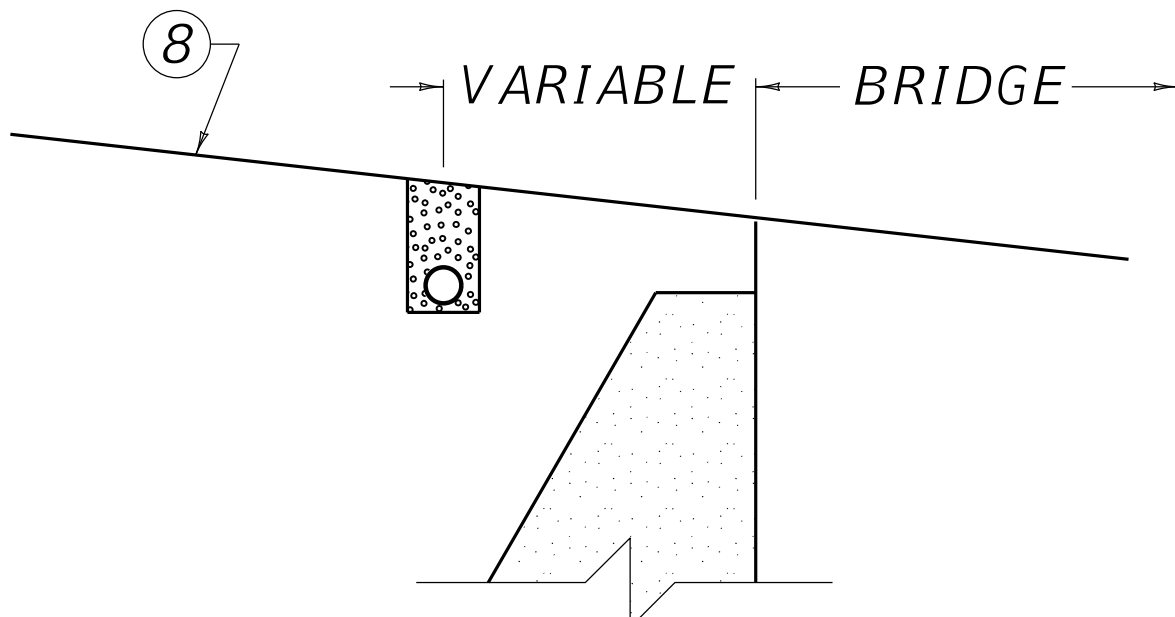
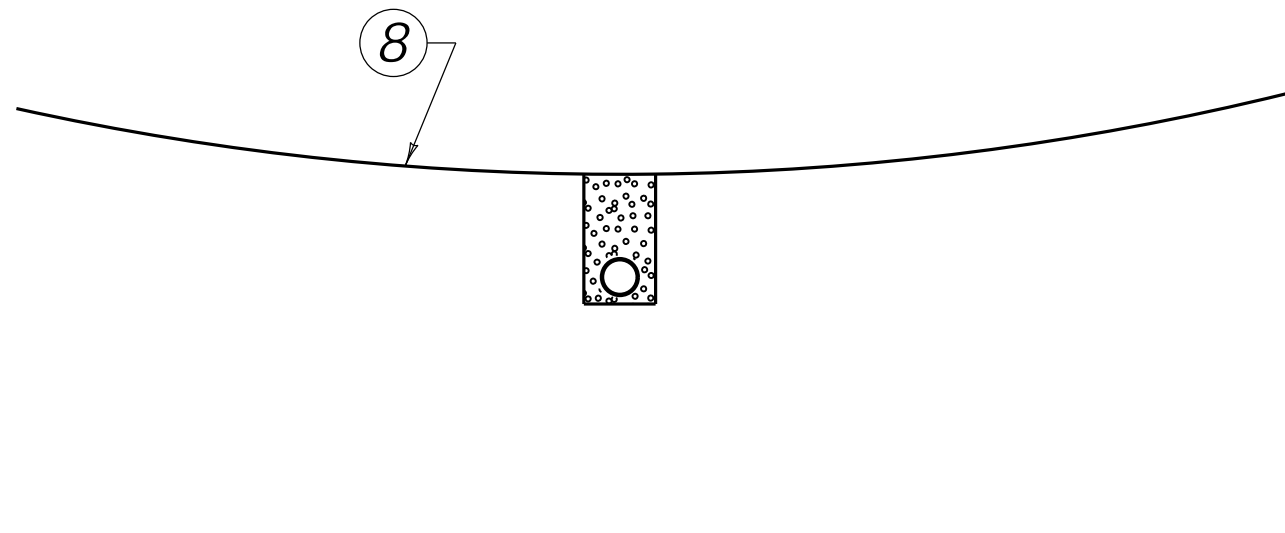


RAISED MEDIAN
DETAIL "A"

CUT TO FILL



SAG VERTICAL CURVES



SUBGRADE DRAINAGE SHALL BE INSTALLED
AT UPGRADE END OF BRIDGE ONLY.

BRIDGES

~ NOTES ~

BID ITEM AND UNIT TO BID

PERFORATED PIPE- $\triangle$ IN

LF

NON-PERFORATED PIPE- $\triangle$ IN

LF

$\triangle$ = PIPE DIA. IN INCHES

1. SUBGRADE DRAINAGE, AS DEPICTED, IS INTENDED FOR USE WITH THE SURFACING PHASE OF CONSTRUCTION, AND SHALL BE INSTALLED ONLY AFTER THE SUBGRADE HAS BEEN COMPLETED, AND PRIOR TO CONSTRUCTING PAVING MATERIALS.
2. SUBGRADE DRAINAGE WILL NOT BE REQUIRED WHEN:
 - a. ROCK SUBGRADE OR NATURAL BANK GRAVEL IS SPECIFIED.
 - b. POROUS OR FREE DRAINING SUBGRADES ARE EVIDENT.
 - c. DIRECTED BY THE ENGINEER.
3. THE CAP SHALL BE A STANDARD MANUFACTURED ITEM FURNISHED BY PIPE SUPPLIER.
4. APPROXIMATELY 8 TO 12 FEET OF PIPE AT THE OUTLET SHALL BE NON-PERFORATED PIPE MEETING THE REQUIREMENTS OF THE PERFORATED PIPE, EXCEPT FOR PERFORATIONS.
5. PERFORATED PIPE HEADWALL REQUIRED AT OUTLET. SEE CUR. STD. DWG. RDP-010.
6. SEE CUR. STD. DWG. RDP-001 FOR ALTERNATES.
7. PIPE COVER: 2'-0" DESIREABLE MINIMUM, 1'-0" ABSOLUTE MINIMUM. FLOW SHALL BE DIRECTED TOWARD THE FILL SIDE OF THE ROADWAY WHEN POSSIBLE.
8. SUBGRADE ELEVATION.

USE WITH CUR. STD. DWGS.
RDP-001 RDP-010

REVISION DATE: 12/01/2015
REVISION NUMBER: 0

12-01-2015
DATE

SUBMITTED
DIVISION DIRECTOR
12-01-2015
DATE

APPROVED
STATE HIGHWAY ENGINEER
12-01-2015
DATE

DRAINAGE



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



PERFORATED PIPE

SUBGRADE DRAINAGE ON TWO-LANE (CLASS 2) AND MULTI-LANE
ROADS

STANDARD DRAWING NUMBER
RDP-005-05