

NOTES

GRATE A IS TO BE USED
WHEN INLET IS LOCATED IN
MEDIAN OR OTHER AREAS NOT

 GRATE B IS TO BE USED WHEN INLET IS LOCATED ON SHOULDER OR OTHER AREAS SUBJECT TO TRAFFIC.

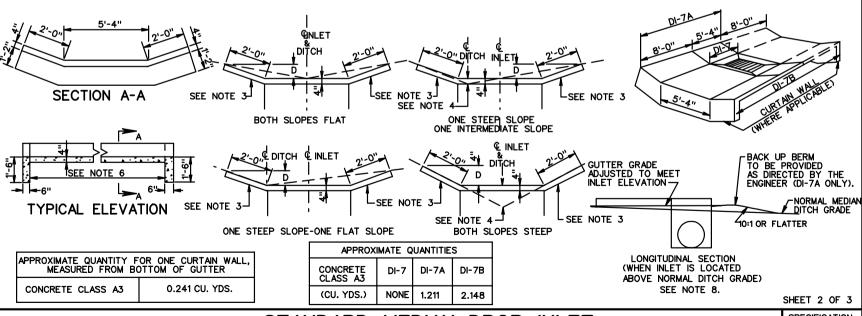
NORMALLY SUBJECT TO TRAFFIC.

- . FOR DETAILS OF LOAD CARRYING GRATE (GRATE B), SEE T-DI-7, SHEET 103.08.
- 4. CONCRETE COVER AND GRATE ARE TO BE FURNISHED AS A SINGLE UNIT. OUTSIDE DIMENSIONS OF GRATE TO BE 3'-4" X 2'-11/4" (GRATE A) OR 3'-4" X 2'-11/2" (GRATE B).
- ALTERNATE METHODS OF ANCHORING ANGLE IRON WILL BE ACCEPTABLE IF APPROVED BY THE ENGINEER.
- 6. GRATE AND COLLAR ARE TO BE GALVANIZED.
- CONCRETE COVER MAY BE PRECAST OR CAST IN PLACE.
- CONCRETE TO BE CLASS A3 IF CAST IN PLACE. 4000 PSI IF PRECAST.
- GRATE BARS TO BE PARALLEL TO DITCH FLOW.

DETAILS OF GUTTER AND METHOD OF PLACEMENT

NOTES

- 1. DI-7 NO GUTTERS.
 DI-7A NO GUTTER IN ONE DIRECTION.
 DI-7B GUTTER IN BOTH DIRECTIONS.
- JOINTS BETWEEN GUTTERS AND CONCRETE COVER ARE TO BE DOWELED WITH *4 X 8" SMOOTH RODS & APPROX. 12" C-T TO PREVENT SETTLE-MENT. IN LIEU OF DOWELS A 2" X 4" NOTCH MAY BE PROVIDED.
 SEE STANDARD T-DI-3. 4 ALTERNATE DESIGN.
- 3. VARIABLE 2:1 OR FLATTER.
- DITCH GRADE MUST BE ADJUSTED TO MEET DIFFERENCE IN ELEVATION. SEE LONGITUDINAL SECTION.
- IF DEPTH (D) BECOMES LESS THEN 4", LENGTH OF WINGS ARE TO BE EXTENDED AS DIRECTED BY THE ENGINEER.
- CURTAIN WALL TO BE LOCATED AT THE END OF THE PAVED DITCH SECTIONS OF THE DI-7A & DI-7B THAT ARE NOT ABUTTED BY OTHER DRAINAGE.
- IF NORMAL DITCH GRADE IS TOO FLAT TO ALLOW FOR ADJUSTED GRADE TO INLET, A SPECIAL GUTTER DETAIL WILL BE REQUIRED ON PLANS.



STANDARD MEDIAN DROP INLET 12" TO 42" PIPE

VIRGINIA DEPARTMENT OF TRANSPORTATION

SPECIFICATION REFERENCE

> 241 503