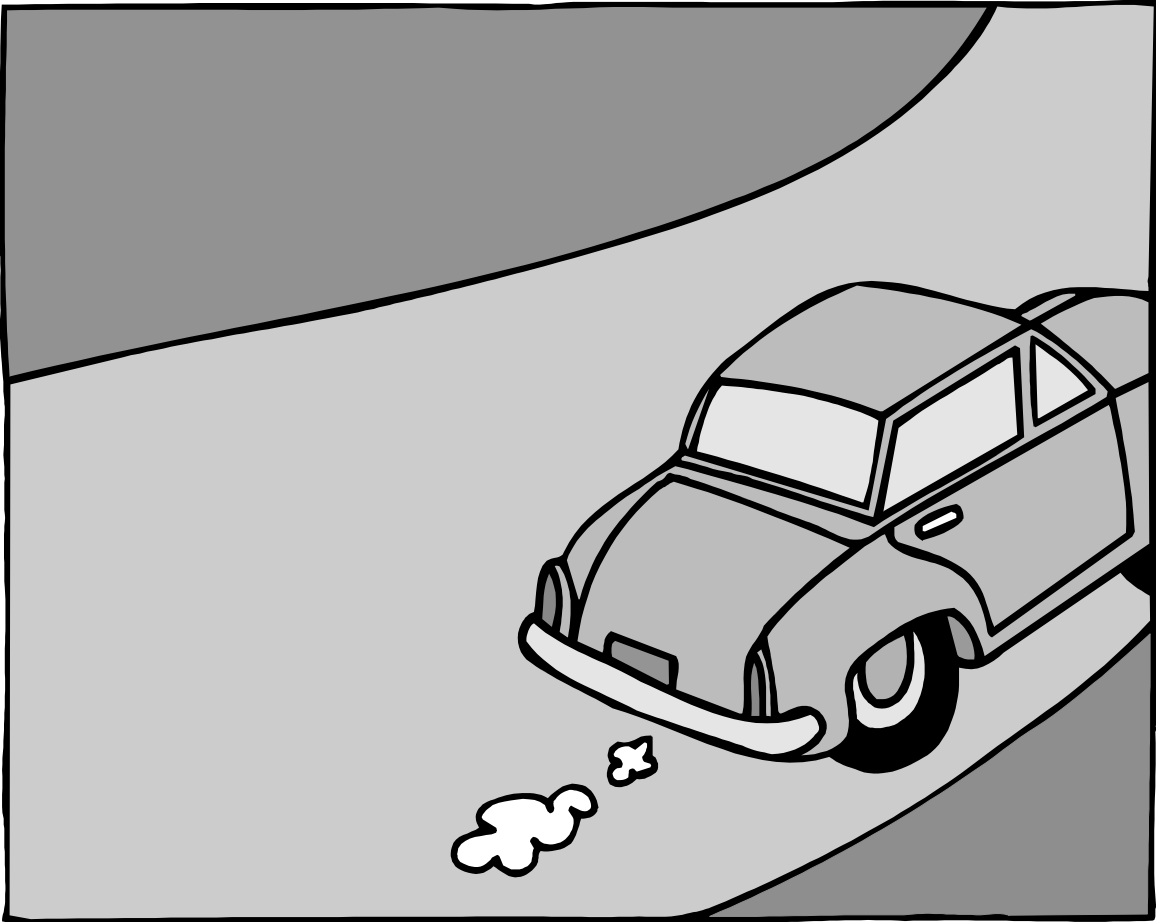


ROAD AND CONSTRUCTION
STANDARDS
FOR
ADAMS TOWNSHIP



Ordinance No. 76

AN ORDINANCE OF THE TOWNSHIP OF ADAMS, BUTLER COUNTY, PENNSYLVANIA AMENDING AND RESTATING ORDINANCE No.43, THE ADAMS TOWNSHIP ROAD CONSTRUCTION STANDARDS ORDINANCE ESTABLISHING STREET CONSTRUCTION STANDARDS, ESTABLISHING WIDTHS OF RIGHTS OF WAY AND CARTWAYS, ADOPTING A CONSTRUCTION DETAIL STANDARD EXHIBIT; AND REPEALING INCONSISTENT ORDINANCES

WHEREAS, the Township of Adams has previously enacted an ordinance, Ordinance No. 43, relating to new road construction on January 8, 1990; and

WHEREAS, it is the intent of the Board of Supervisors to amend Ordinance No. 43 by restating it in its entirety changing certain construction standards and providing for minimum widths of street rights of way, paved cartways and curbs.

NOW THEREFORE, be it ordained and enacted and it is hereby ordained and enacted by the Authority of the Board of Supervisors of the Township of Adams, Butler County, Pennsylvania, as follows:

SECTION I

REQUIREMENT TO COMPLY WITH STREET CONSTRUCTION REQUIREMENT

All streets constructed in Adams Township shall comply with the standards hereinafter set forth in Section II.

SECTION II

STREET CONSTRUCTION STANDARD

Streets shall be constructed as follows:

- A** Seven (7) inches of No. 4 limestone or air-cooled blast furnace slag base course compacted to 95 percent maximum density with a three and one half (3 1/2) inch crown at centerline.

- B. Three (3) inches of No. 2A limestone or air-cooled blast furnace slag base course compacted to 95 percent maximum density with a three and one half (3 1/2) inch crown at centerline.
- C Three (3) inch I.D.-2 binder.
- D. One (1) inch I.D.-2 wearing surface applied at time of initial paving.
- E. Paving shall have a three and one half (3 1/2) inch crown at centerline.
- F. One (1) inch I.D.-2 wearing surface applied as final wearing course to be applied in 24 months or at Eighty percent (80%) completion of building activity, which ever occurs first.
- G. Road under drain shall be on both sides of road, **connected to catch basins**. Under drain shall be in a trench eighteen (18) inches deep by twelve (12) inches wide. Four (4) inch under drain piping shall be placed on two (2) inches of 2B aggregate and the remaining trench filled to subgrade with 2B aggregate.
- H. Wedge curb shall be six (6) inches high by six (6) inches on back face and eighteen (18) inches on front face.
- I. The developer shall provide for random on-site sampling and testing of base and paving materials for each maximum 500 tons of material when requested by Adams Township. The cost of such sampling and testing to be done without cost to Adams Township.
- J. A six (6) inch development storm water drain shall be installed on the high side of all roads, to accommodate house and yard drains. If storm sewer is located on high side, house and yard drains shall be connected to it by using saddle connections. No surface discharge is permitted.
- K. Catch basin frame and grate shall be, Nina model number R-3572, or Type M Concrete top, with bicycle safe grate or equivalent.
- L. Pre-cast catch basins must have factory installed openings and be one piece construction. No pipe openings may be cut in the field. Depths over four (4) feet shall have ladder rungs installed on either side. Weep holes shall be provided, under drain cutout shall be at appropriate depth so as to provide positive flow into catch basin.
- M. Bottoms of catch basins and man holes shall be cemented so as to maintain a flow line to encourage self cleaning. All piping shall be flush with the side walls of catch basins and manholes.
- N. Pipes shall be laid true and straight, except as otherwise approved by the Township.
- O. There shall be no more than four hundred (400) feet between manholes and or catch basins.
- P. Minimum pipe size shall be fifteen (15) inches, except as otherwise required.

- Q. Head and end walls are required on all pipes. Rip rap shall be installed at all head and end walls as required by engineering design.
- R. Geotextile material shall be required as determined by the Township Engineer

SECTION III
STREET RIGHTS OF WAY AND CARTWAY WIDTHS

All street rights-of-way shall be fifty (50) feet in width and shall be paved a width of twenty two (22) feet in addition, there shall be a continuous eighteen (18) inch wedge curb on each side of said street pursuant to construction detail standards attached hereto and made a part hereof.

SECTION IV - REPEALER

All ordinances or parts or ordinances in conflict with the provisions of this ordinance are hereby repealed to the extent of such conflict.

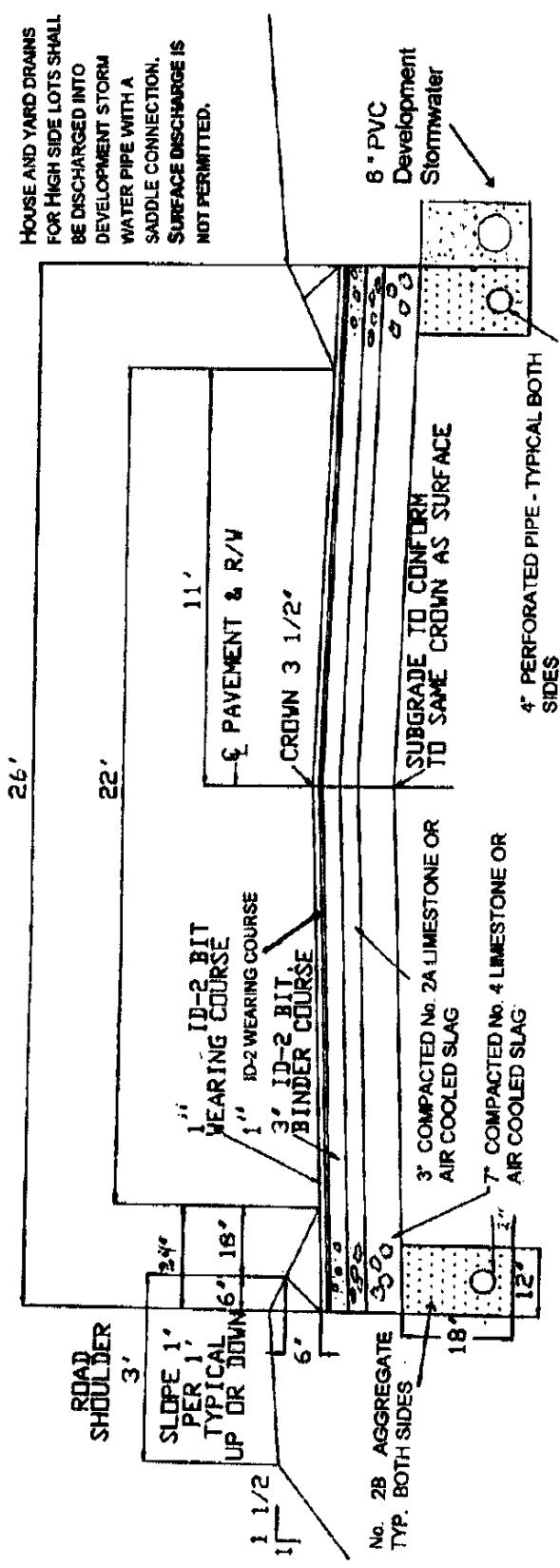
ORDAINED AND ENACTED this 26 day of November, 1996.

BOARD OF SUPERVISORS
OF ADAMS TOWNSHIP

By _____
By _____
By _____
By _____
By _____

ATTEST:

Secretary

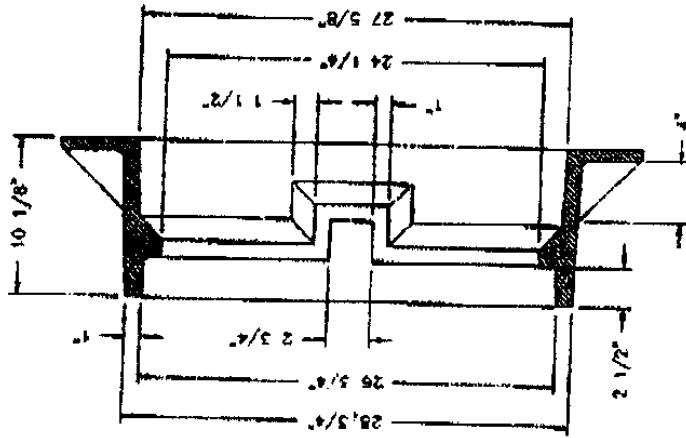


HOUSE AND YARD DRAINS FOR HIGH SIDE LOTS SHALL BE DISCHARGED INTO DEVELOPMENT STORM WATER PIPE WITH A SADDLE CONNECTION. SURFACE DISCHARGE IS NOT PERMITTED.

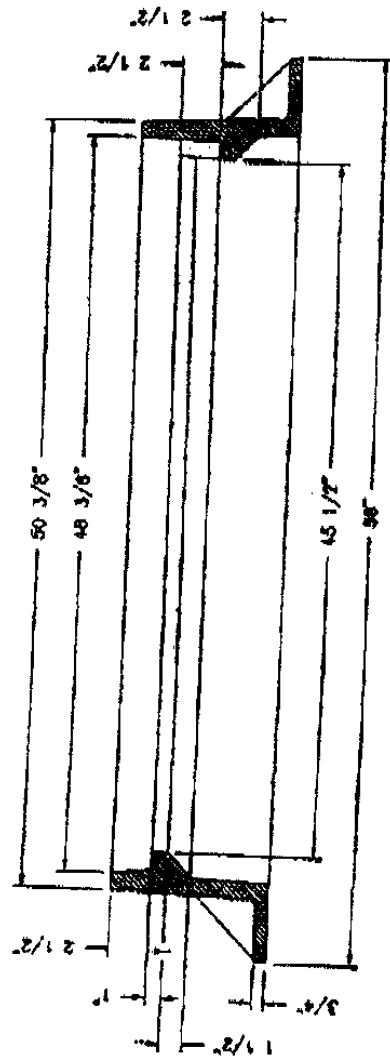
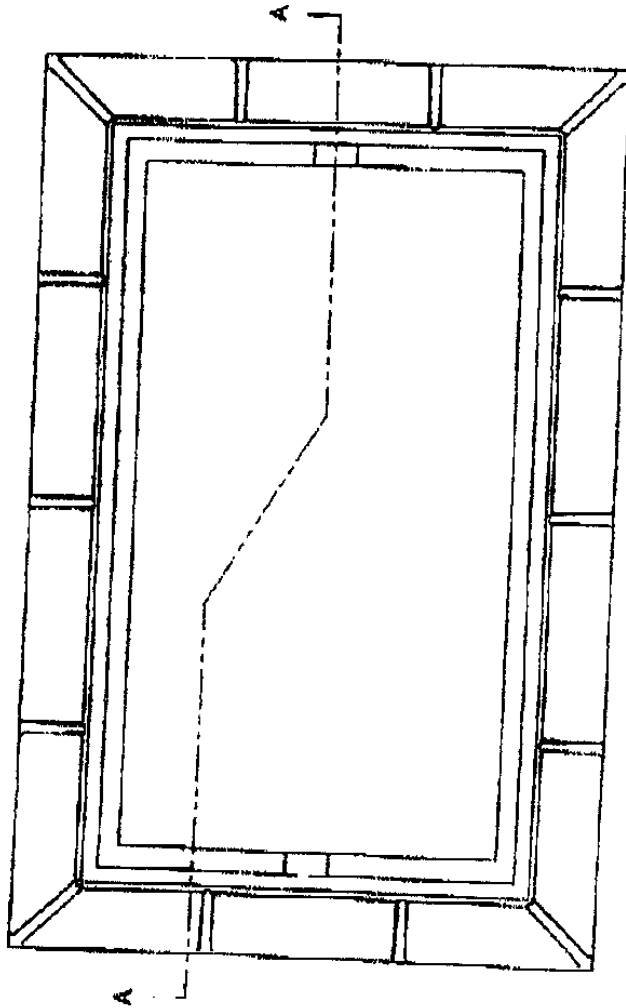
TOWNSHIP OF ADAMS
 County of Butler, Pennsylvania
Construction Detail Standard
 Typical Section for Bituminous Road
 with Aggregate Base
 Residential Streets

NOTES:

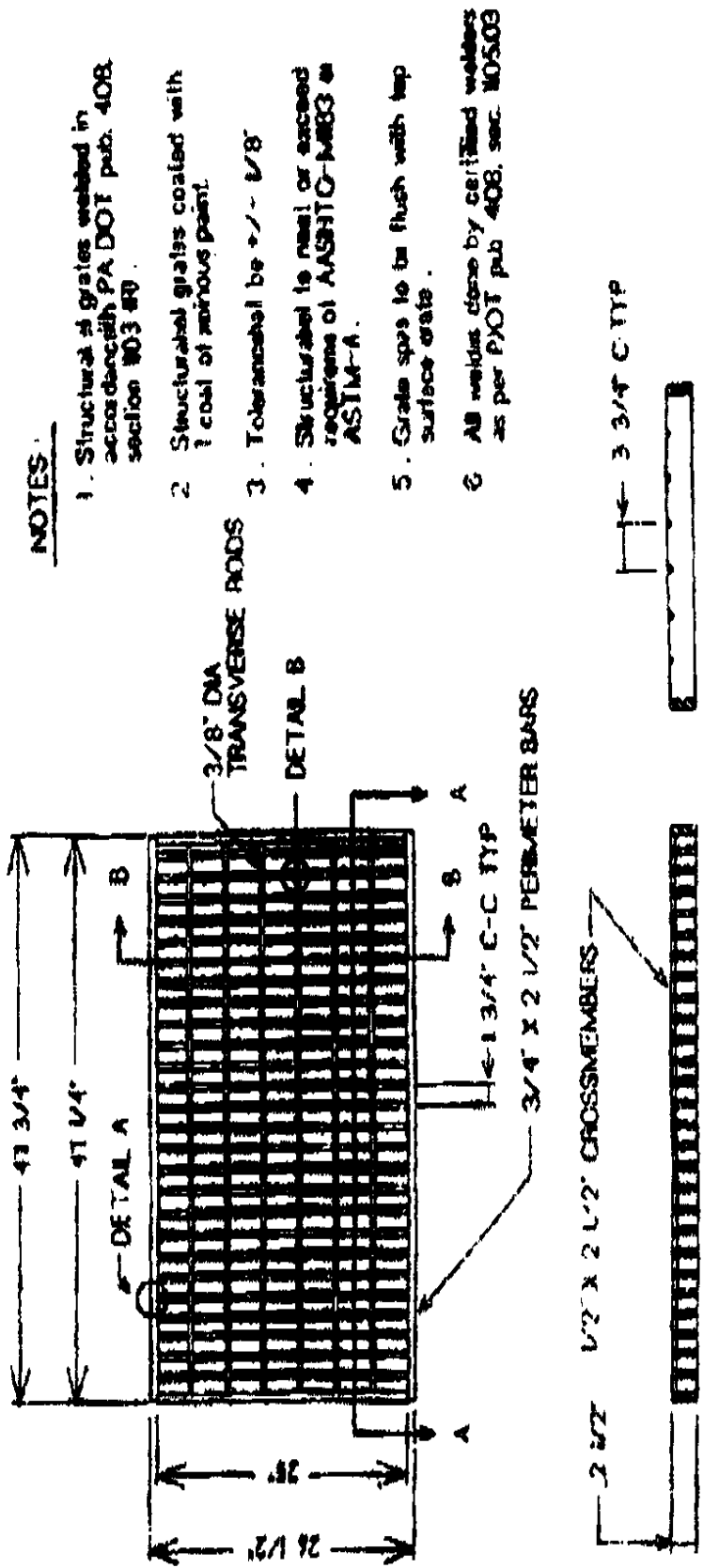
1. FINAL 1" ID-2 BITUMINOUS WEARING COURSE TO BE APPLIED IN 24 MONTHS OR AT 80% COMPLETION OF BUILDING ACTIVITY, WHICH EVER OCCURS FIRST.
2. METHODS OF CONSTRUCTION SHALL CONFORM TO PENN. DEPT. OF HIGHWAYS SPECIFICATIONS FORM 408, LATEST UPDATE.
3. TACK COAT - MAY BE REQUIRED BETWEEN BINDER AND WEARING COURSES, IF WEARING COURSE IS NOT PLACED IMMEDIATELY AFTER BINDER COURSE.
4. TACK COAT SHALL BE REQUIRED BETWEEN FIRST AND SECOND WEARING COURSE, PRIOR TO INSTALLING SECOND WEARING COURSE.
5. CURBING SHALL BE INSTALLED WITH INITIAL PAVING AND SHALL BE A CONTINUOUS PART OF THE PAVING. NO MACHINE CURB.



MATERIAL: CAST GRAY IRON ASTM A-48, CLASS 30B
 FINISH: NO PAINT
 WEIGHT: 697g



SECTION A-A



NOTES:

1. Structural of grates welded in accordance with PA DOT pub. 408, section 903.49.
2. Structural grates coated with 1 coat of zincous paint.
3. Tolerances be +/- 1/8"
4. Structural to meet or exceed requirements of AASHTO-M883 or ASTM-A.
5. Grate spars to be flush with top surface grate.
6. All welds done by certified welders as per PAOT pub. 408, sec. 105.03

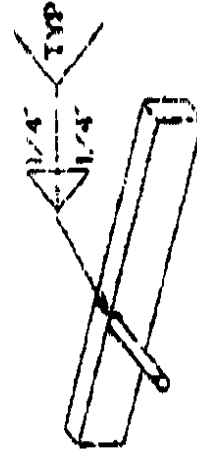
SECTION A-A

SECTION B-B

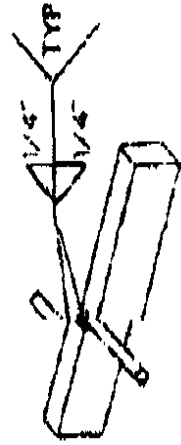


TYPICAL CORNER

DETAIL



DETAIL A



DETAIL B