

NOTES:

1. INSTALL MARKING POSTS AT ALL GATE VALES, MANHOLES, OR CATCH BASINS LOCATED OUTSIDE OF STREET SURFACES.
2. FOR WATER STRUCTURES, USE BLUE MARKER POSTS. FOR STORM AND SANITARY SEWER STRUCTURES, USE GREEN MARKER POSTS.



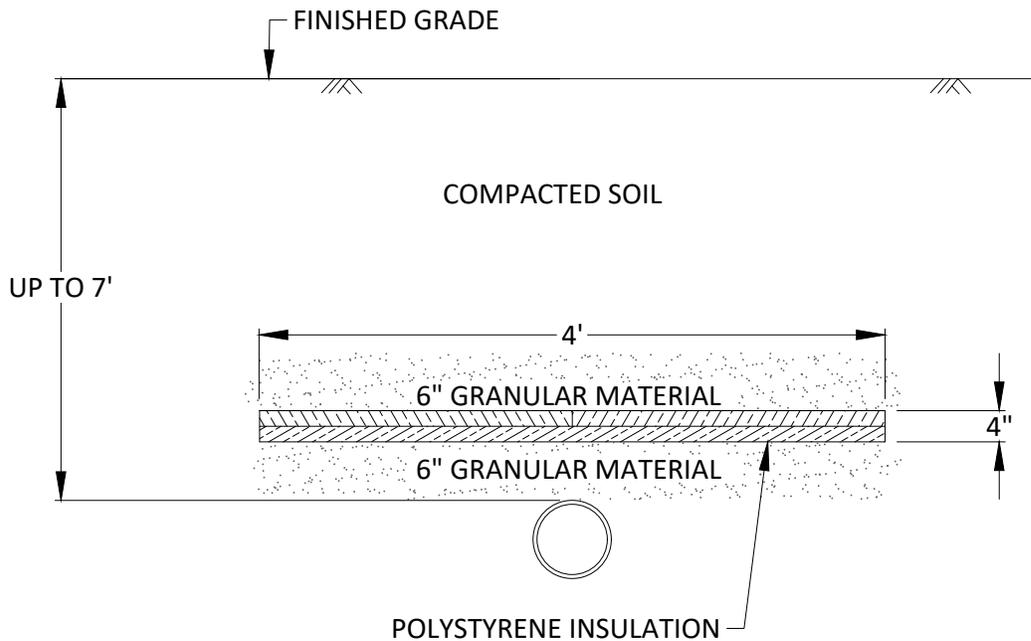
CITY OF INVER GROVE HEIGHTS
PUBLIC WORKS ENGINEERING DIVISION

MARKING POST

Plate No.

MISC-01

Revised 02/23



NOTES:

1. INSULATION SHALL BE EXTRUDED RIGID BOARD MATERIAL HAVING A THERMAL CONDUCTIVITY OF 0.23 BTU/HR/SQUARE FOOT/DEGREE FAHRENHEIT/PER INCH OF THICKNESS MAXIMUM AT 40° F MEAN, A COMPREHENSIVE STRENGTH OF 35 PSI MINIMUM AND WATER ABSORPTION OF 0.25 PERCENT BY VOLUME MAXIMUM.
2. INSULATE UTILITIES WITH SEPARATION LESS THAN 30". PLACE INSULATION 4" THICK AND 8' WIDE.



CITY OF INVER GROVE HEIGHTS
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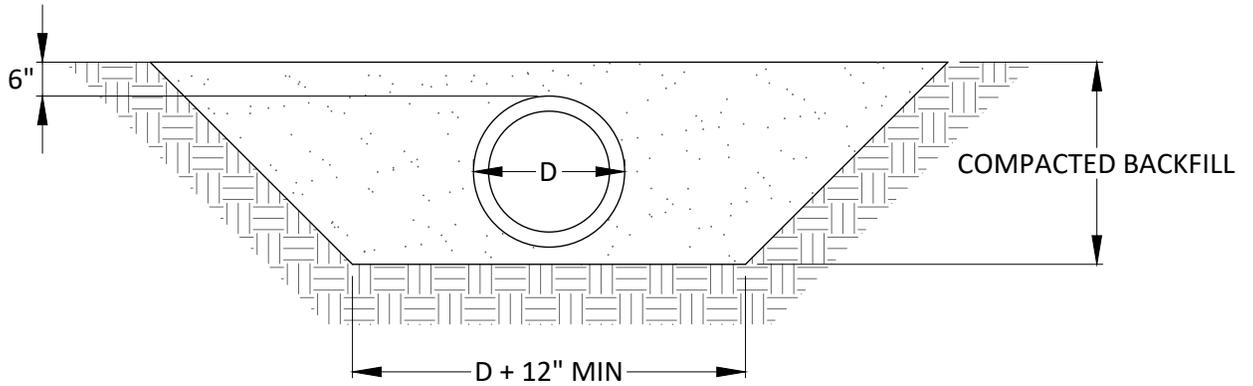
INSULATION DETAIL

Plate No.

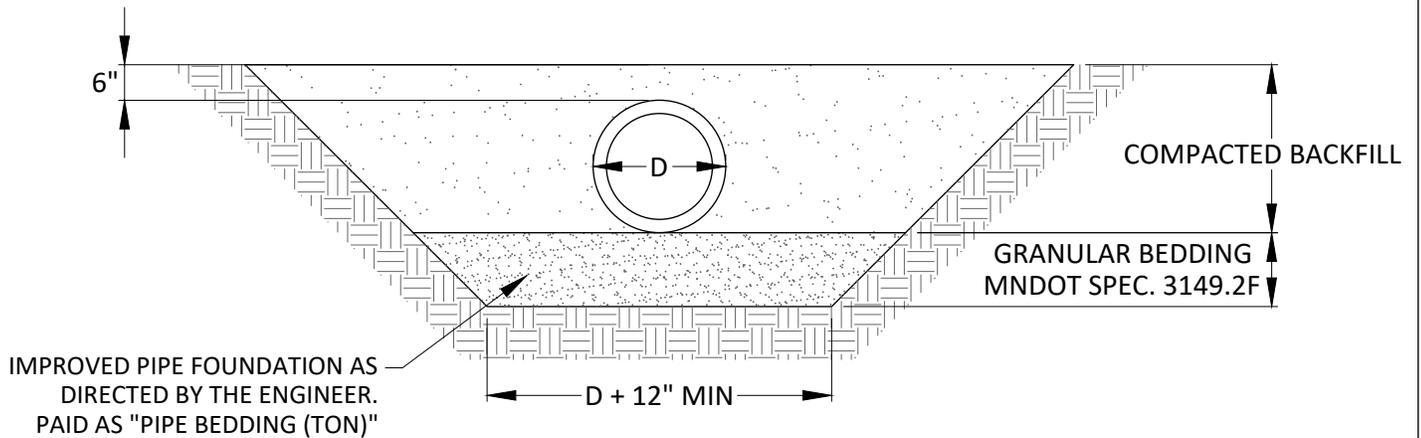
MISC-02

Revised 02/23

PIPE FOUNDATION AND BEDDING IN GRANULAR SOILS



PIPE FOUNDATION AND BEDDING IN NON-GRANULAR SOILS



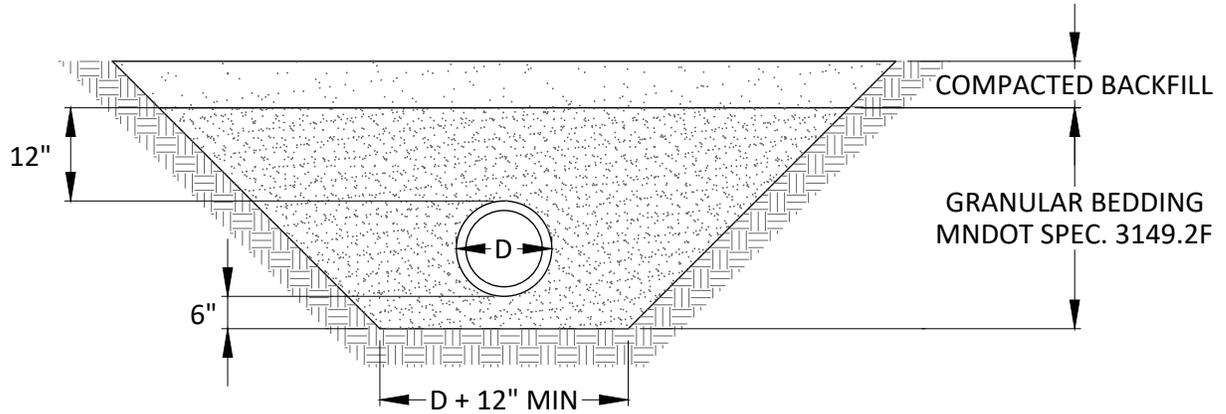
CITY OF INVER GROVE HEIGHTS
PUBLIC WORKS ENGINEERING DIVISION
**BEDDING METHODS FOR
RCP & DIP**

Plate No.

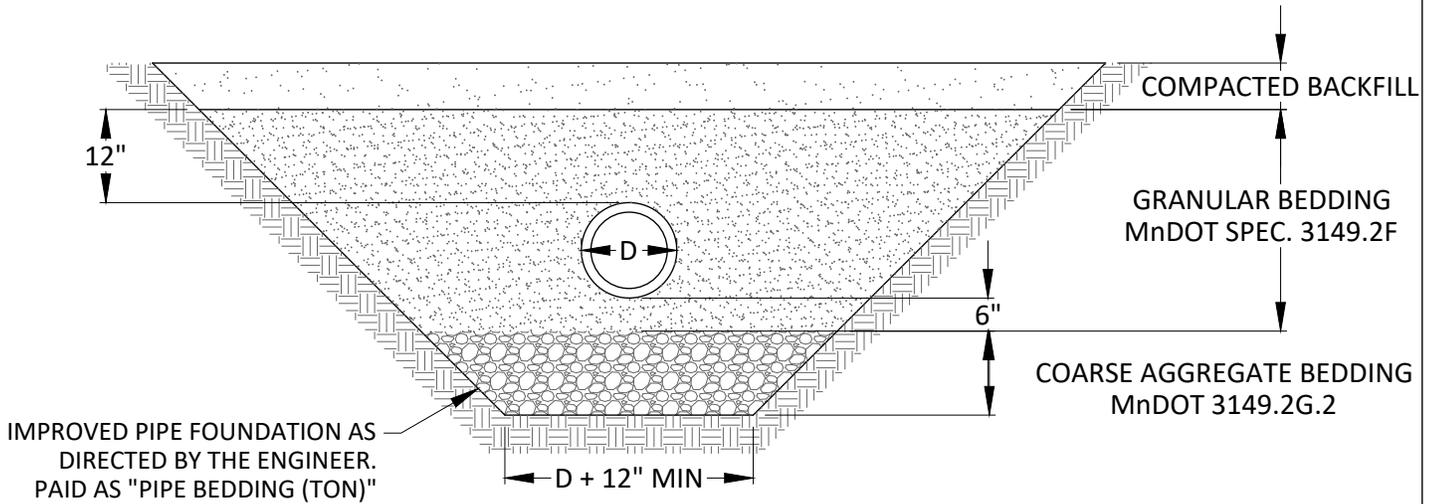
MISC-03

Revised 02/23

PIPE FOUNDATION AND BEDDING IN GRANULAR SOILS



PIPE FOUNDATION AND BEDDING IN NON-GRANULAR SOILS



CITY OF INVER GROVE HEIGHTS
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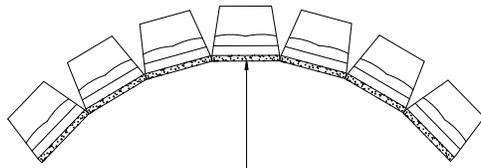
BEDDING METHODS FOR PVC

Plate No.

MISC-04

Revised 03/23

THE MINIMUM RADIUS ON THE BASE ROW OF A SINGLE COURSE WALL IS 15'0". SEE CHART FOR MINIMUM RADIUS OF THE TOP ROW FOR VARYING WALL HEIGHTS.



MINIMUM CONCAVE / INSIDE RADIUS FOR FULL BLOCK

INSIDE RADIUS FULL BLOCK
NO SCALE

**MINIMUM RADIUS TABLE
CONCAVE / INSIDE CURVE**

WALL HEIGHT	NUMBER OF ROWS OF BLOCK	MINIMUM RADIUS TOP ROW
2'-8"	2	15'-2"
4'-0"	3	15'-4"
5'-4"	4	15'-6"
6'-8"	5	15'-8"
8'-0"	6	15'-10"
9'-4"	7	16'-0"
10'-8"	8	16'-2"
12'-0"	9	16'-4"

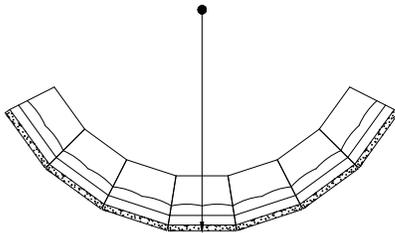
NOTE: THE MINIMUM BASE ROW RADIUS FOR A CONCAVE / INSIDE CURVE USING THE FULL BLOCK SHALL BE NO SMALLER THAN 15'-0" FOR A SINGLE COURSE WALL. THE RADIUS FOR EACH SUCCESSIVE ROW WILL INCREASE BY 2" PER COURSE OF BLOCK ADDED TO ACCOUNT FOR SETBACK. SEE BLOCK SPECIFICATION AND INSTALLATION INSTRUCTIONS FOR ADDITIONAL DETAILS

**MINIMUM RADIUS TABLE
CONVEX / OUTSIDE CURVE**

WALL HEIGHT	NUMBER OF ROWS OF BLOCK	MINIMUM RADIUS TOP ROW
2'-8"	2	14'-0"
4'-0"	3	14'-6"
5'-4"	4	15'-0"
6'-8"	5	15'-6"
8'-0"	6	16'-0"
9'-4"	7	16'-6"
10'-8"	8	17'-0"
12'-0"	9	17'-6"

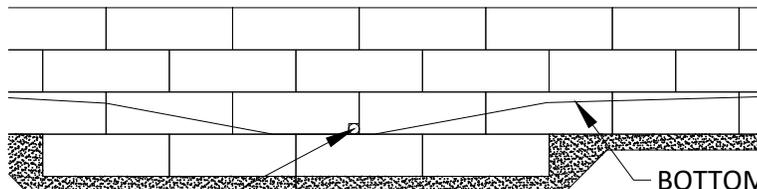
NOTE: THE MINIMUM RADIUS FOR A CONVEX / OUTSIDE CURVE USING THE FULL BLOCK SHALL BE NO SMALLER THAN 13'-1" FOR A SINGLE COURSE WALL. FOR CURVED WALLS WITH MULTIPLE ROWS OF BLOCK. THE RADIUS OF THE BASE COURSE MUST BE INCREASED TO ACCOMMODATE THE SETBACK (TIGHTENING OF THE RADIUS) IN EACH ROW OF THE BLOCK. THE TABLE ABOVE GIVES RECOMMENDED MINIMUM BASE ROW RADIUS FOR VARYING WALL HEIGHTS. SEE BLOCK SPECIFICATION AND INSTALLATION INSTRUCTIONS FOR ADDITIONAL DETAILS.

THE MINIMUM RADIUS ON THE BASE ROW OF A SINGLE COURSE WALL IS 13'-1". SEE CHART FOR RECOMMENDED MINIMUM BASE ROW RADIUS FOR VARYING WALL HEIGHTS.



MINIMUM CONVEX / OUTSIDE RADIUS FOR FULL BLOCK

OUTSIDE RADIUS FULL BLOCK
NO SCALE



4" PERFORATED PVC W/ RODENT GUARD DRAIN TO DAYLIGHT AT LOWEST ELEVATION AND 50' c/c OR AS DIRECTED BY ENGINEER

TYPICAL PIPE DRAINAGE DETAIL
NO SCALE

BOTTOM OF WALL FINISHED GRADE



CITY OF INVER GROVE HEIGHTS
PUBLIC WORKS ENGINEERING DIVISION
**LARGE BLOCK
MODULAR WALL**

Plate No.

MISC-05B

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