

Drainage Alterations, Retaining Walls, Re-grading



Village of Hoffman Estates

Code Enforcement
1900 Hassell Road
Hoffman Estates, IL 60169
(847) 781-2631

www.hoffmanestates.org/permits

Submittal Requirements:

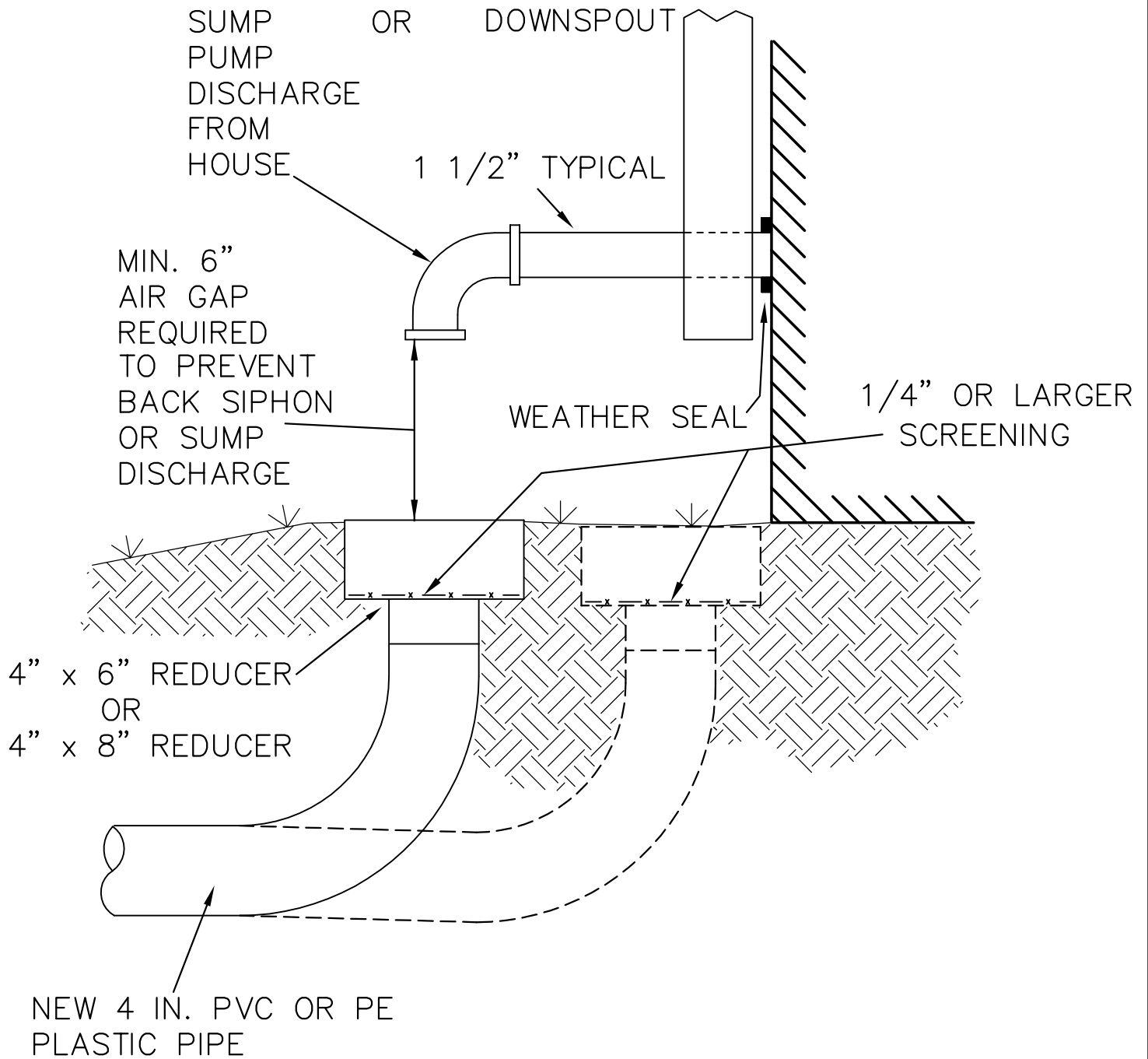
- A scaled and dimensioned plat of survey must be submitted with the location of work indicated.
- Construction/building plans must be submitted.
- A scope of work must be submitted.

Code Requirements:

- All requirements are subject to review by the Engineering Division and are subject to modifications based on existing conditions. In most cases, the Engineering Division will visit the property prior to permit issuance.
- Retaining Walls
 - Plans shall indicate material, height of wall, slope of ground adjacent to wall, and typical wall section.
 - Retaining walls that are greater than 18" in height measured from the bottom of the footing to the top of the wall or any height retaining wall that is supporting a surcharge requires a permit.
 - Retaining walls that are greater than 48" in height measured from the bottom of the footing to the top of the wall shall be designed by a structural engineer.
- Grading
 - Grade alterations shall not adversely affect drainage on neighboring properties or cause unsafe or nuisance conditions.
 - Slope shall be maintained away from all structures.
 - The information provided must be sufficient to verify proper drainage patterns and that there will be no adverse impact to adjacent properties.
- Private Drainage Systems/Pipe Underdrains/Sump Pump Connections
 - All private storm sewer systems required to be connected to storm sewer. Alternative discharge methods are subject to review and approval by the Village Engineer.
 - All pipe shall be a minimum of 4" in diameter and maintain a minimum bury depth of 18".
 - All sump pump and/or downspout connections to underground piping shall be provided with an air gap per Village detail or approved equivalent.
 - Boring under Village sidewalks is not permitted.
 - Work shall be in accordance with attached Village details or approve equivalents.

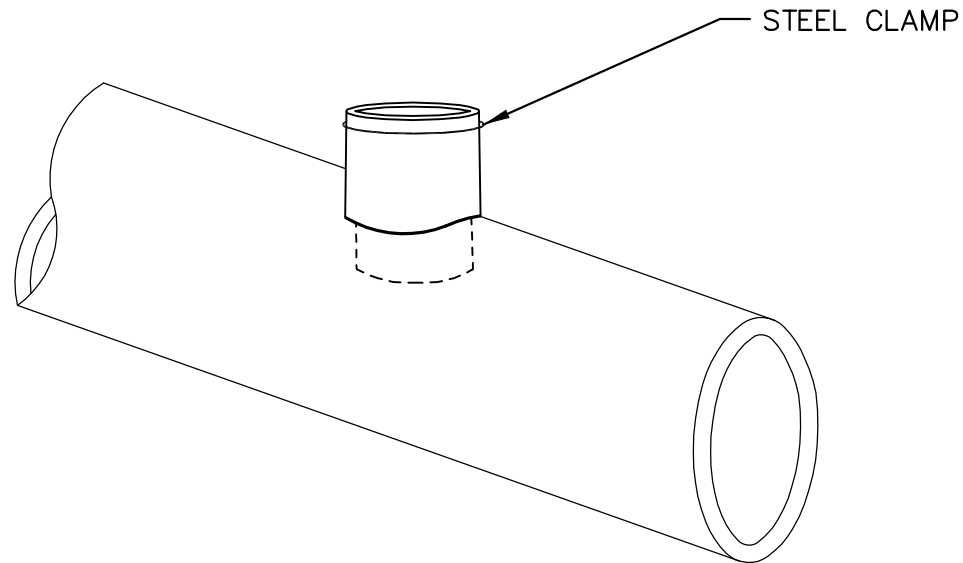
Inspection:

- A rough inspection is required prior to covering work.
- A final inspection is required upon completion of work.
- Additional inspections may be required.



AIR GAP DETAIL

SCALE	NONE	NO.	REVISIONS	BY	DATE
DATE	5-25-05	1.	MISC UPDATES	SLW	2/10
DRAFTER	SLW				
VILLAGE OF HOFFMAN ESTATES TRANSPORTATION & ENGINEERING DIVISION			FILE NAME: AIRGAP.DWG	SHEET NO. 1 OF 1	

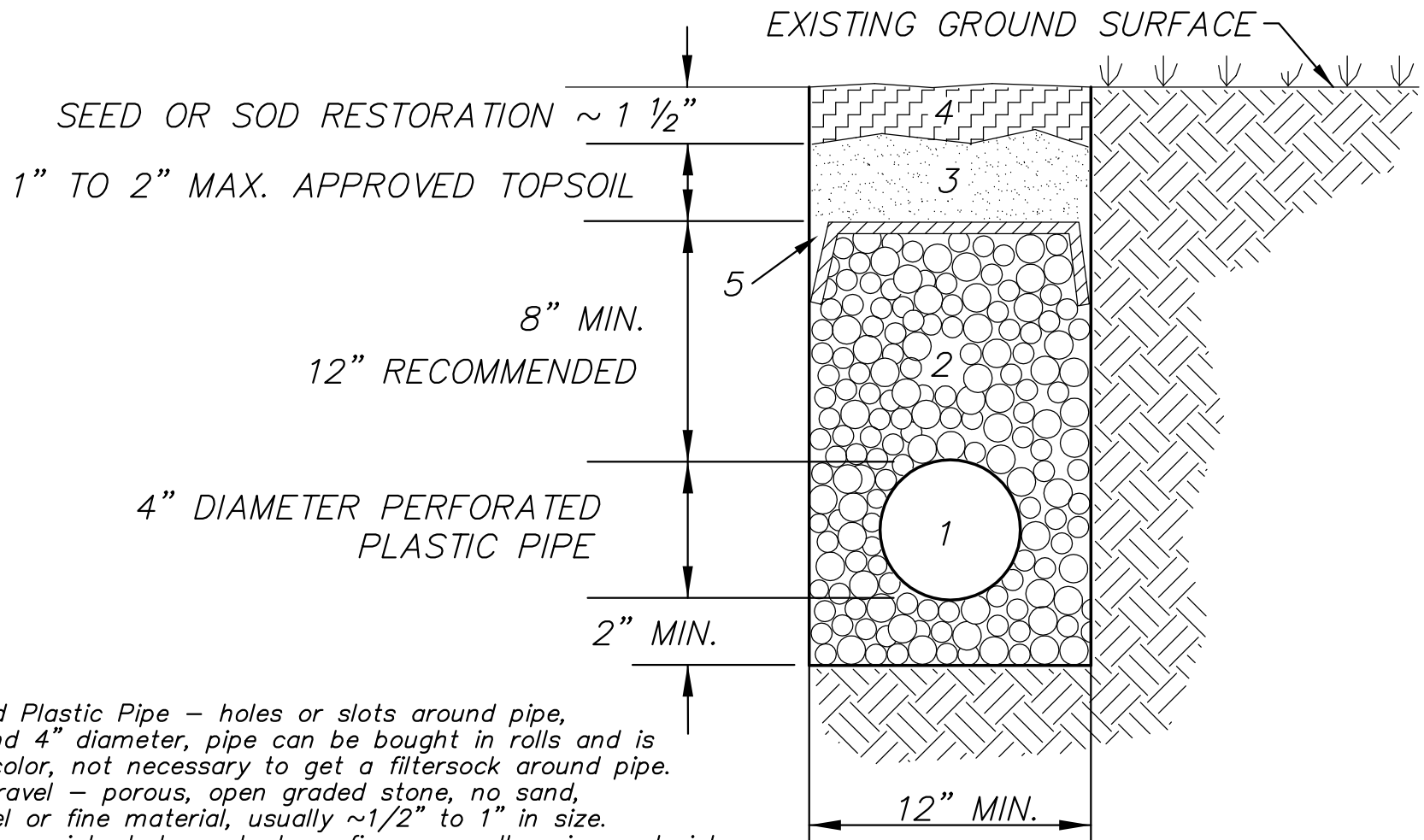


KOR-N-TEE CONNECTOR

NOTES:

1. THE HOFFMAN ESTATES TRANSPORTATION AND ENGINEERING DIVISION SHALL BE NOTIFIED BEFORE THE COMMENCEMENT OF WORK AND WHEN THE PIPE IS EXPOSED.
2. THE CONNECTION SHALL BE BACKFILLED COMPLETELY TO WITHIN SIX INCHES OF THE GROUND SURFACE WITH CA-6, CRUSHED GRAVEL OR CA-7 WASHED GRAVEL.
3. ONLY A PROFESSIONAL CONTRACTOR SHALL INSTALL THE CONNECTOR ACCORDING TO MANUFACTURERS REQUIREMENTS. THE PUBLIC WORKS DEPARTMENT IS NOT AVAILABLE TO ASSIST IN THE DIRECT CONNECTION TO THE STORM SEWER.
4. KOR-N-TEE SEWER CONNECTORS, PART NO. 006-5 THRU 9.
5. EXISTING PIPE SHALL BE CORED ONLY TO GAIN ACCESS.

DIRECT CONNECTION TO STORM SEWER DETAIL					
SCALE	NONE	NO.	REVISIONS	BY	DATE
DATE	5-25-05	1.	MISC UPDATES	SW	2/10
DRAFTER	SLW				
VILLAGE OF HOFFMAN ESTATES TRANSPORTATION & ENGINEERING DIVISION			FILE NAME: SADDLE.DWG	SHEET NO. 1 OF 1	



1. Perforated Plastic Pipe – holes or slots around pipe, recommend 4" diameter, pipe can be bought in rolls and is black in color, not necessary to get a filtersock around pipe.
2. Washed Gravel – porous, open graded stone, no sand, pea gravel or fine material, usually $\sim 1/2"$ to 1" in size.
3. Topsoil – consistent, loose texture, fine or small grainy material, recommend 1" to 2" maximum depth. Do not use excavated dirt for the topsoil layer. Watch out for clays – yellow, brown, grey or black in color. The topsoil layer is critical for the system to work effectively.
4. Sod Restoration – or seeding can be used with $1 \frac{1}{2}"$ additional topsoil to achieve 3" of topsoil coverage.
5. Filter Fabric – Used for erosion control, keeps topsoil from settling into stone layer.
6. A permit is required from the Code Enforcement Department Provide Plat with proposed work, \$50 fee, (847) 781-2631.
7. Public Works Department can make the connection to the storm structure if the resident installs the pipe.
Call Public Works at (847) 490-6800.

Another option is to bring the washed gravel to the top of the trench or to the existing ground surface.

JULIE Number: 1-800-892-0123

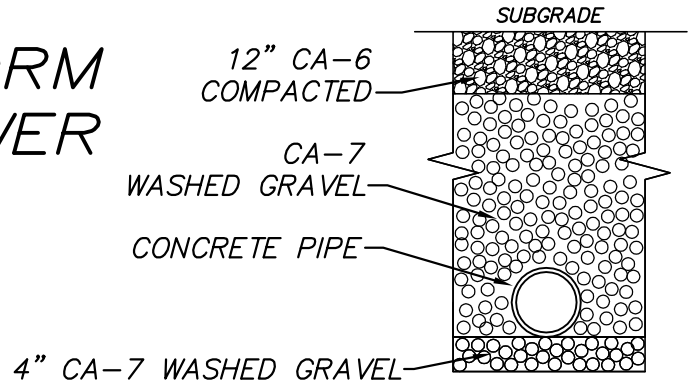
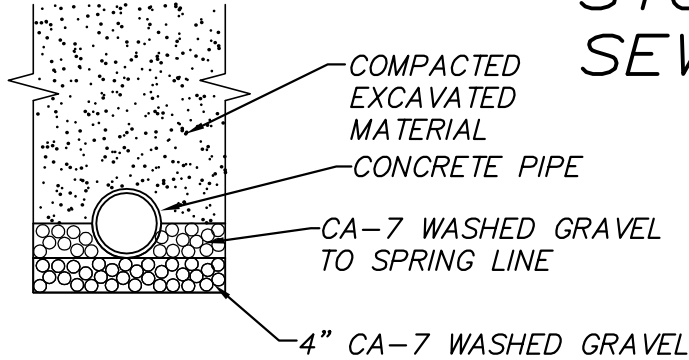
PERFORATED PIPE DETAIL

SCALE	NONE	NO.	REVISIONS	BY	DATE
DATE	7-18-08	1.	MISC UPDATES	SLW	2/10
DRAFTER	SLW				
VILLAGE OF HOFFMAN ESTATES TRANSPORTATION & ENGINEERING DIVISION			FILE NAME: UNDRDRAN.DWG	SHEET NO. 1 OF 1	

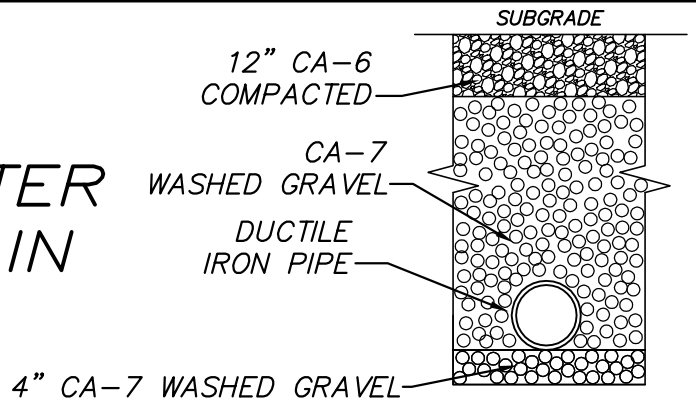
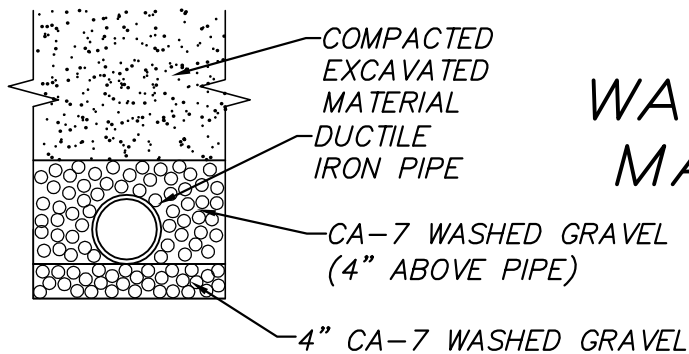
TRENCH BENEATH PARKWAY
OR LANDSCAPE AREAS

TRENCH BENEATH PAVEMENT
OR WITHIN TWO (2) FEET OF
CURB & GUTTER OR SIDEWALK

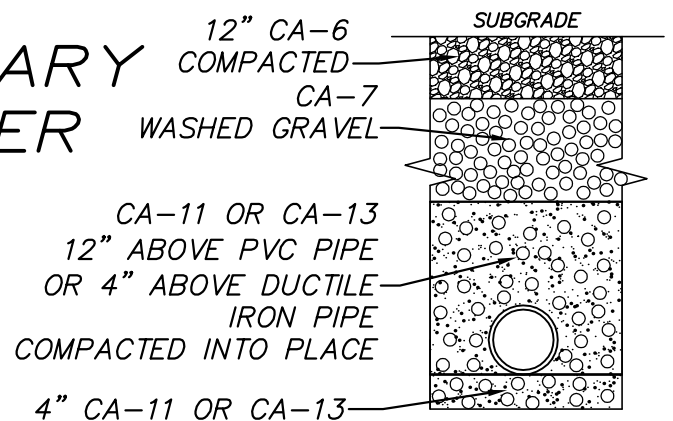
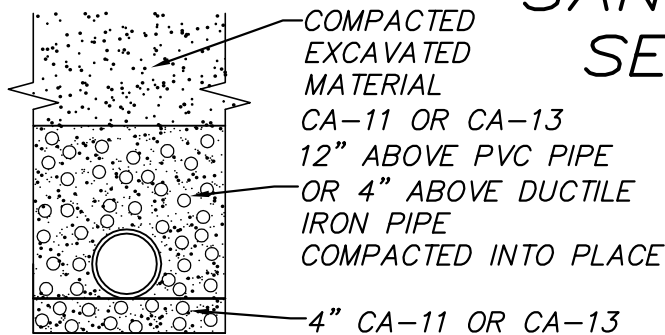
STORM
SEWER



WATER
MAIN



SANITARY
SEWER



NOTE: ALL TRENCH WIDTHS SHALL EQUAL
4/3 PIPE DIA. + 8" OR A MINIMUM OF 32"

TRENCH BACKFILL DETAIL

SCALE: NONE	DATE: 2-16-07	DRAFTER: NOR	NO.	REVISIONS	BY	DATE
VILLAGE OF HOFFMAN ESTATES	FILE NAME: TYP-TREN2.DWG	1.	MISC UPDATES	SW	2/10	
TRANSPORTATION & ENGINEERING DIVISION	SHEET NO. 1 OF 1					