



**BUILDING DEPARTMENT**

27700 Hilliard Blvd.  
Westlake, OH 44145

Phone 440.871.3300  
Fax 440.617.4144

## Waterproofing Permit Process

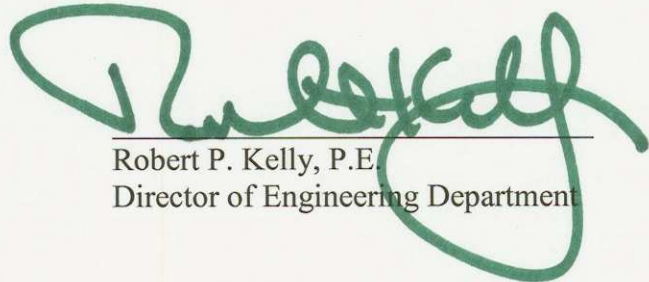
The following guidelines must be met to apply and secure a waterproofing permit from the Building Department within the City of Westlake for all structures.

- 1.) Owner/Contractor shall apply for a permit with the following information submitted:
  - a. Description of work to be preformed.
  - b. Sketch identifying locations of work.
  - c. Contact phone numbers.
  - d. Status of if a sump pump exists.
  - e. **NO WORK SHALL START** until permit is issued.
- 2.) Locating storm and sanitary sewer cleanouts.
  - a. When the owner/contractor applies for a permit the City will provide any available information on locating the cleanouts.
  - b. The owner/contractor shall locate both the storm and sanitary cleanouts.
  - c. If the owner/contractor exhausted all efforts to locate such cleanouts and can not, then the Director of Engineering will determine if City forces will assist in this effort.
- 3.) Pre-Waterproof consultation; a Building Department or Engineering Department Inspector will perform the following:
  - a. Consult owner in regards to water infiltrating into basement/crawl space.
  - b. Dye test downspout leaders and storm connection.
  - c. Dye test and visual inspection of sump pump.
  - d. The City will review the proposed course of action and make recommendations based on the testing.
- 4.) Issuance of Permit; the permit to start work will be issued once all the previous steps are fulfilled, with the following additional notes.
  - a. The recommendations of the pre-waterproof consultation shall be reviewed with the owner.
  - b. Inspections shall be conducted for all work by the Building Department within 5' of the structure and the Department of Engineering for outside of 5' of the structure. **24 HOUR NOTICE IS REQUIRED.**
  - c. Cross-Connections, it shall be the Contractor's responsibility to identify and dye test any possible cross connections located during the work. The contractor shall verify to the City the results of the dye test. If dye test indicates a positive cross-connection it shall be eliminated and brought to the City's attention as soon as possible.

- d. Gravity Storm Connections, if the existing storm connection is gravity without a sump pump the Director of Engineering may require a sump pump to be installed. The attached form needs to be filled out and submitted to the
  - e. Department of Engineering for review. The sump pump protects the house from a surcharge in the storm sewer from a major storm event. (See attached detail) Within 48 hours of submitting the form the Director of Engineer will contact the permit holder if a sump pump is required.
- 5.) Post Testing
- a. If any downspout leaders of the storm connection were found to be compromised it shall be re-dye tested to verify it is now free and clear.



Donald P. Grayem  
Director of Building Department

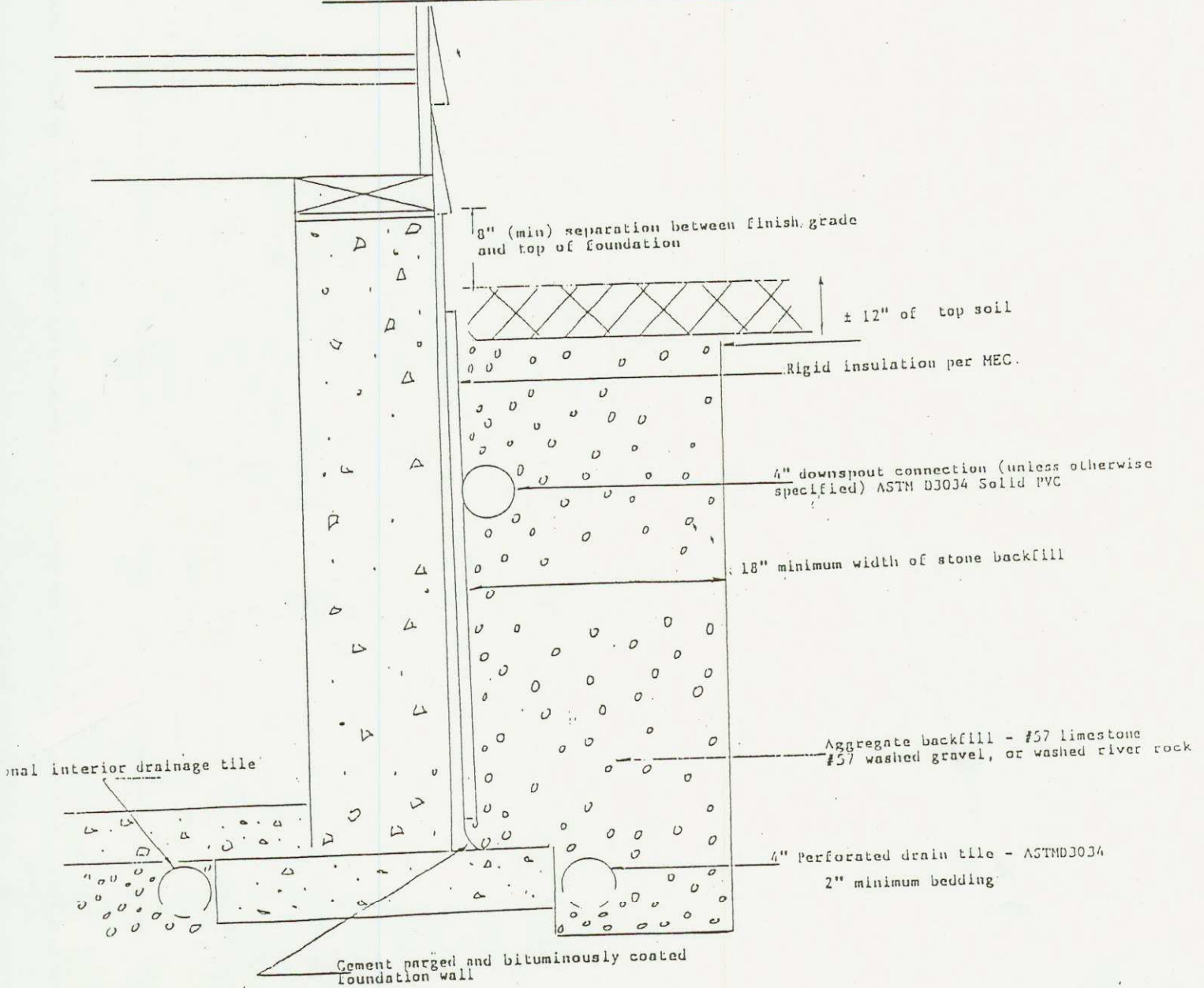


Robert P. Kelly, P.E.  
Director of Engineering Department

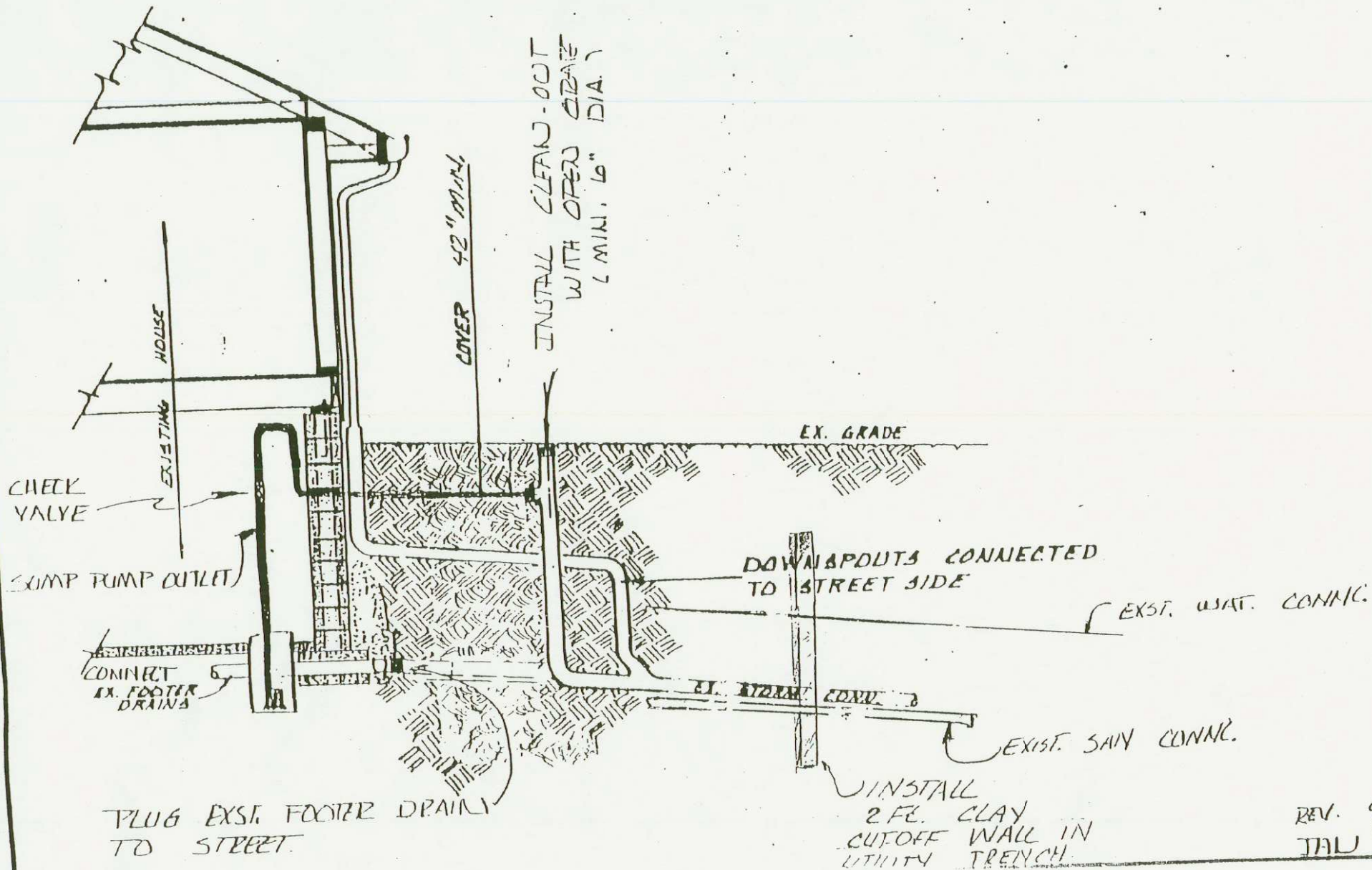
CITY OF WESTLAKE  
BUILDING DEPARTMENT  
FOUNDATION, DOWNSPOUTS AND DRAIN TILE REQUIREMENTS  
R-305-A

- 1.) All PVC pipe and fittings to be primed and cemented per manufacturer's specifications.
- 2.) Minimum ASTM Standards permitted for fittings and pipe are D-3034.
- 3.) Storm and sanitary sewers to be installed on a minimum of 2" approved bedding and shall receive a 12" minimum of stone cover.
- 4.) Excavations located under future sidewalks, driveways, or paving shall receive premium backfill to proposed grade.
- 5.) Structural building products to support any piping to grade is prohibited.

TYPICAL SECTION

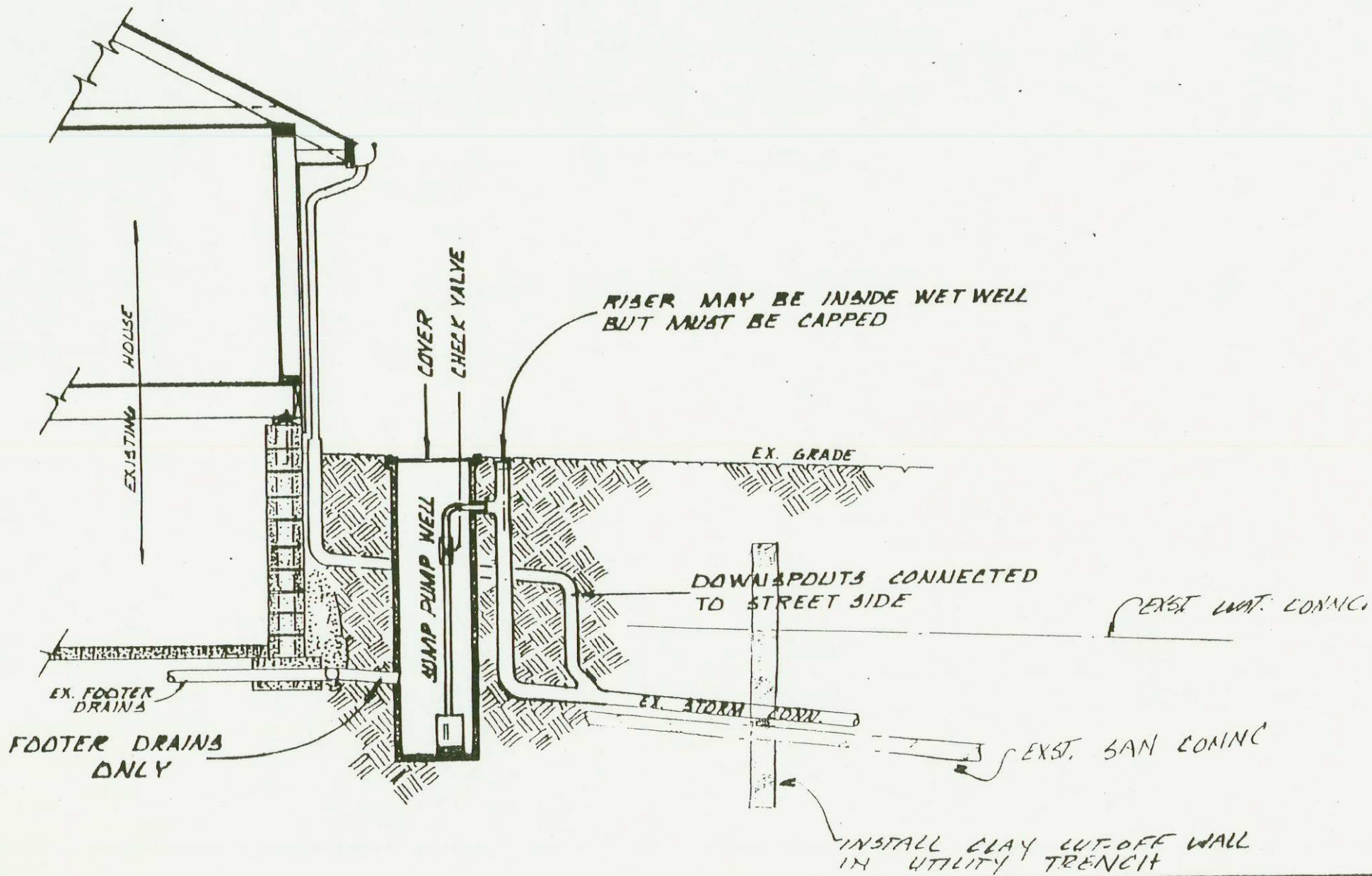


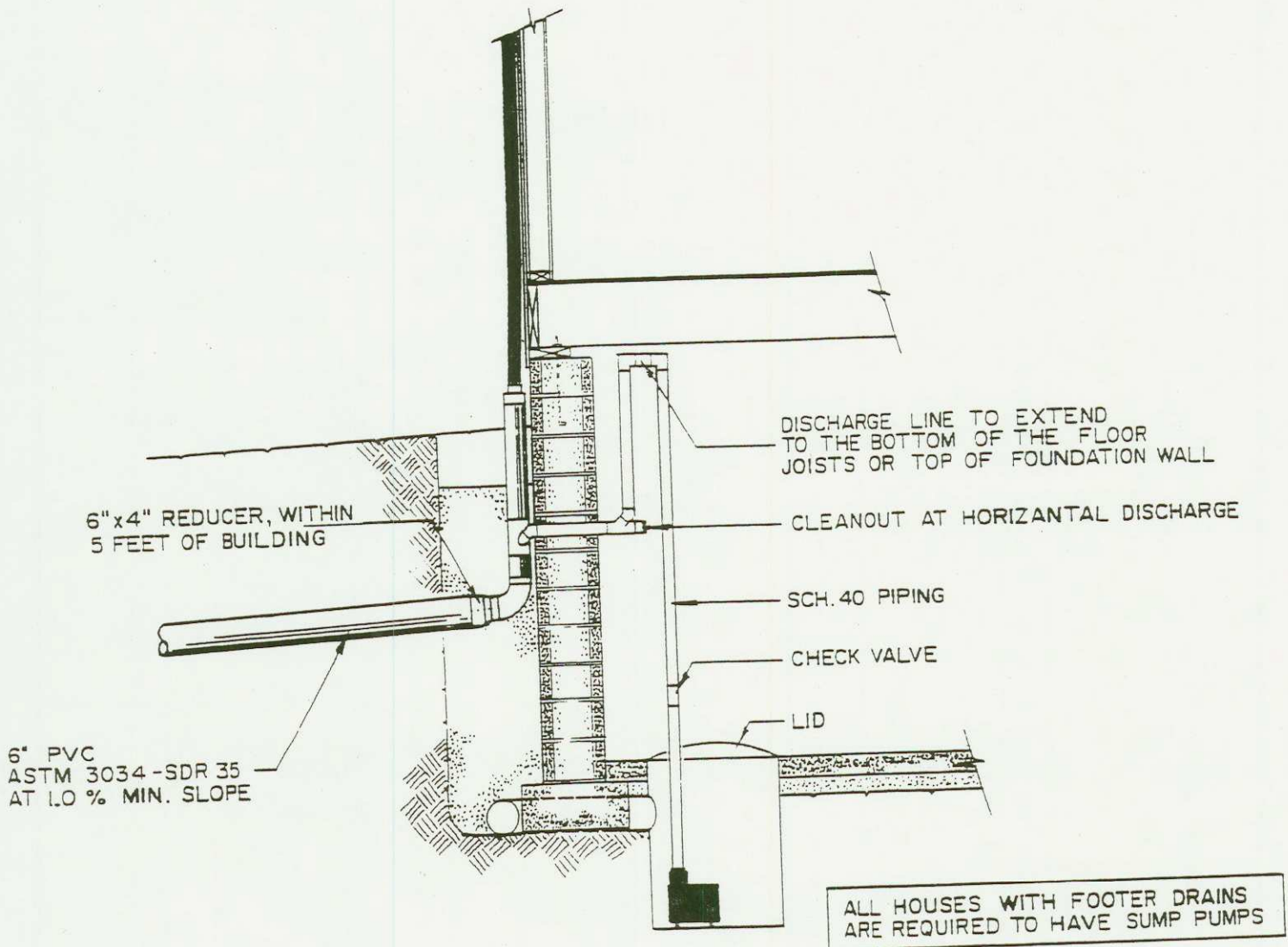
# TYPICAL SUMP PUMP DETAIL (MODIFIED)



REV. 9-94  
JAL "93"

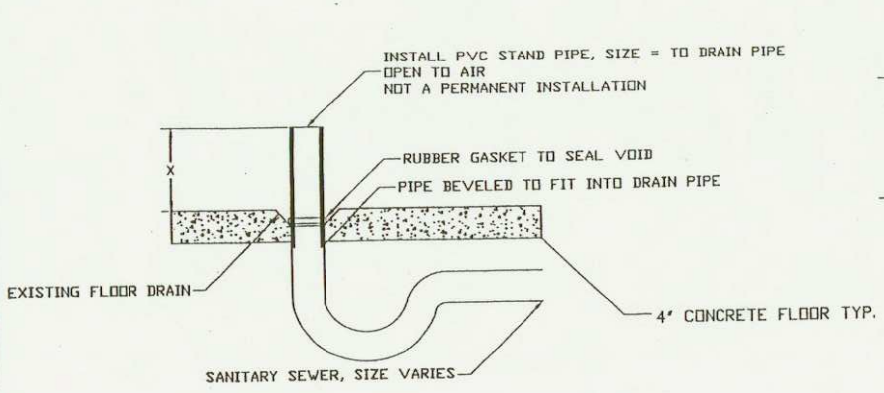
# TYPICAL SUMP PUMP DETAIL



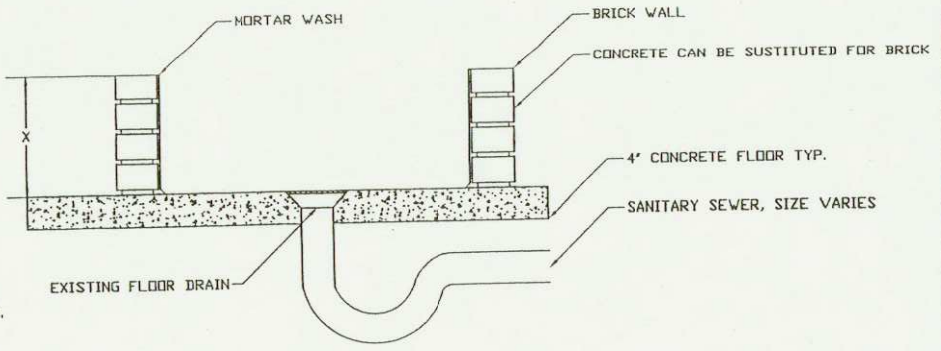


# SUMP PUMP DETAIL

NOT TO SCALE



OPTION 1



OPTION 2

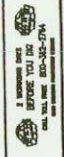
NOTE: DISTANCE X IS EQUAL TO HIGHEST KNOWN WATER MARK ON BASEMENT WALL

# FLOOR DRAIN MODIFICATION TO PREVENT SURGE CHARGE OF SANITARY SEWER INTO BASEMENT

REVISIONS

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GENERAL DETAIL  
 FLOOR DRAIN MODIFICATION  
 IN THE  
 CITY OF WESTLAKE, COUNTY OF CUYAHOGA, STATE OF OHIO



Drawing No.  
 N.A.  
 Sheet No.  
 1 of 1