

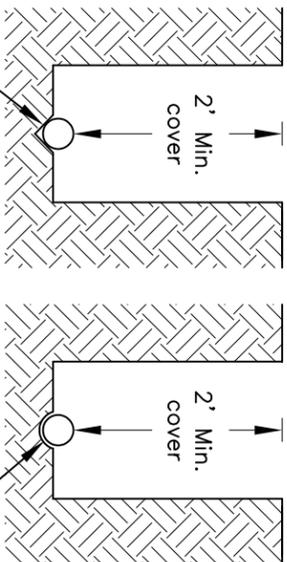
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**New York**  
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Call Before You Dig  
 Wait The Required Time  
 Confirm Utility Response  
 Respect the Marks  
 Dig With Care

V-notch groove for support if CPDT is 8" dia. or less

**TYPICAL TRENCH DETAIL**

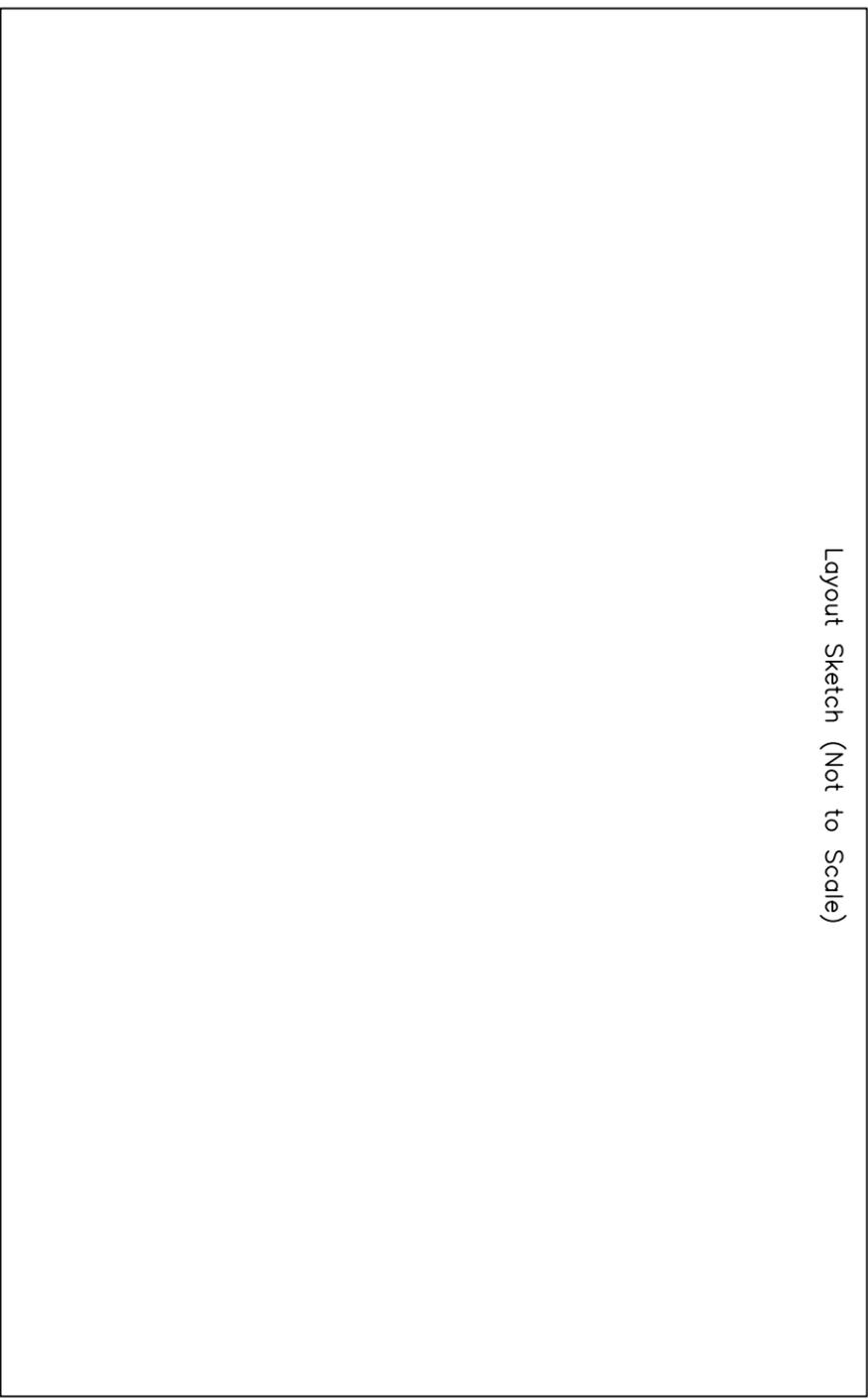
Circular groove for support if CPDT is greater than 8" dia.



**CONSTRUCTION SPECIFICATIONS AND NOTES**

1. This practice shall be installed in accordance with the cuts and grades specified for this job.
2. Where tree roots, unstable soils, bedrock, or other unforeseen conditions prevent the installation as planned, any deviation must be authorized by an approving official or designated representative.
3. Corrugated Plastic Drain Tubing (CPDT) shall be heavy duty and conform to ASTM F-405 for (4) inch and (6) inch diameter. CPDT of (8) inch diameter or larger shall conform to ASTM F-667.
4. When perforated CPDT is required in mineral soils, perforations shall not exceed (3/16) inch in diameter for circular holes or shall not exceed (1/8) inch in width for slotted perforations.
5. All trench excavations over (5) feet shall be sloped or shored in accordance with OSHA part 1926 and N.Y.S. Industrial Code 23.
6. Excavation for and installation of each subsurface drain shall begin at the outlet and progress upstream.
7. When bedding is specified, the tubing shall be firmly and uniformly bedded throughout its entire length with the bedding material specified.
8. All materials shall be handled and installed according to manufacturer's recommendations.
9. Upstream ends of all CPDT shall be closed with a suitable end cap.
10. All joints and connections of similar materials shall be made with manufactured fittings which are of the same material and are comparable in strength with the specified materials. Dissimilar connections shall be made with flexible quick connect couplings or other specified couplings.
11. Prior to backfilling, the pipe installation shall be approved for line, grade, depth, bedding, and pipe placement by the approving official or designated representative. Backfill material shall contain no frozen soil, brush, roots, debris or other objectionable material.
12. Initial backfilling (blinding) of the structure and pipe shall be accomplished with the backfill material to a thickness of (6) inches on each side and over the top of the pipe, being careful not to cause any displacement of the structure or pipe in line or grade.
13. Backfill of pipe trench shall extend at least (6) inches above the finished ground surface and be well rounded over the trench, unless backfill has been compacted in layers during backfill operations.

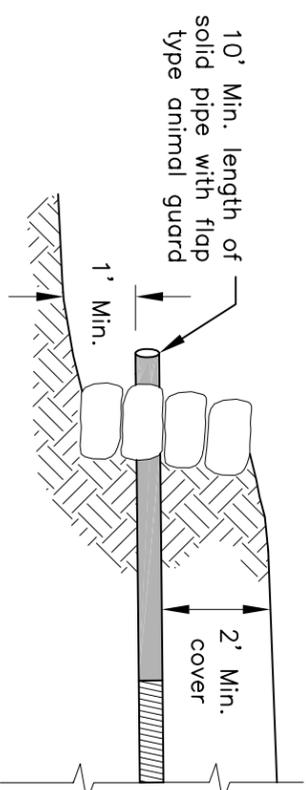
Layout Sketch (Not to Scale)



NY-ENG-606  
 October 2003

**ESTIMATED QUANTITIES**

4" CPDT _____ ft.	Wyes _____ ea.
End caps _____ ea.	Tees _____ ea.
6" CPDT _____ ft.	Wyes _____ ea.
End caps _____ ea.	Tees _____ ea.
8" CPDT _____ ft.	Wyes _____ ea.
End caps _____ ea.	Tees _____ ea.
Outlet: _____ ft. of _____ " _____ pipe	
Other: _____	
Drain material: _____	
Total trenching _____ ft.	



**TYPICAL OUTLET DETAIL**

Special requirements (such as wrapping, bedding, etc.)

Layout by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Installed by: \_\_\_\_\_ Date: \_\_\_\_\_

**REVISIONS**

Date Revised	Item(s) Revised	Revised by	Approved by

**DISTRIBUTION**

Shts. 1,2 Londowner / Contractor  
 Shts. 3,4 For design purposes



**SUBSURFACE DRAIN - 606**

Date	_____
Designed	_____
Drawn	_____
Checked	_____
Approved	_____
Title	_____

NRCS Drawing Name  
 NRCS Project ID  
 Sheet 1 of 4