

SANITARY SEWER MAIN AND LATERAL TRENCH & BEDDING DETAIL

PROJECT: SA_STDS	DWG: CLCSD STD	ONTARIO COUNTY DEPARTMENT OF PUBLIC WORKS
SCALE: N.T.S.	REV: 08/2010	

SANITARY LATERAL NOTES:

1. ALL SANITARY SEWER CONSTRUCTION AND/OR IMPROVEMENTS SHALL BE IN ACCORDANCE WITH THE MOST RECENT STANDARDS AND SPECIFICATIONS OF THE CANANDAIGUA LAKE COUNTY SEWER DISTRICT, N.Y.S. DEPARTMENT OF ENVIRONMENTAL CONSERVATION, N.Y.S. DEPARTMENT OF HEALTH, THE LATEST EDITION OF RECOMMENDED STANDARDS FOR WASTEWATER FACILITIES AND ANY OTHER AGENCIES HAVING JURISDICTION.
 2. NO SANITARY SEWER-RELATED WORK MAY BE PERFORMED WITHOUT FIRST OBTAINING A WRITTEN PERMIT FROM THE CANANDAIGUA LAKE COUNTY SEWER DISTRICT.
 3. DISTRICT PERSONNEL SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO BEGINNING ANY SANITARY SEWER-RELATED WORK.
 4. THE CONTRACTOR SHALL LOCATE, MARK AND PRESERVE ANY RIGHT OF WAY MONUMENTS OR SURVEY CONTROL IN THE AREA OF CONSTRUCTION.
 5. UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF UTILITIES, EXCAVATING TO EXPOSE THE UTILITY, IF NECESSARY IN THE AREA OF CONSTRUCTION, BEFORE COMMENCING CONSTRUCTION. CONTACT U.F.P.O AT 1-800-962-7962 AT LEAST 72 HOURS PRIOR TO CONSTRUCTION.
 6. LATERALS SHALL BE A MIN. 4" DIA. SDR-21 WITH ELASTOMERIC JOINTS; FOR COMMERCIAL ESTABLISHMENTS, LATERALS ARE TO BE 6" DIA. SDR-21. MINIMUM DEPTH OF BURIAL IS FOUR FEET. CLEANOUTS SHALL BE INSTALLED WITHIN 30 INCHES OF THE OUTSIDE FACE OF BUILDINGS, AT ALL CHANGES IN HORIZONTAL ALIGNMENT, AT THE RIGHT OF WAY OR EASEMENT LINE, AND AT SPACING NOT TO EXCEED 90 FEET.
 7. SANITARY SEWER MAINS AND LATERALS SHALL BE LOCATED A MINIMUM HORIZONTAL DISTANCE OF 10' FROM ANY EXISTING OR PROPOSED WATER MAIN (AS MEASURED FROM THE OUTSIDE OF THE SEWER TO THE OUTSIDE OF THE WATER MAIN). IN CASES WHERE THE SANITARY SEWER CROSSES A WATER MAIN, THE MINIMUM VERTICAL SEPARATION SHALL BE 18" (MEASURED OUT-TO-OUT). THE CROSSING SHALL BE ARRANGED SO THAT THE SEWER JOINTS WILL BE EQUIDISTANT AND AS FAR AS POSSIBLE FROM THE WATER MAIN JOINTS.
 8. THE CONTRACTOR SHALL PROVIDE THE DISTRICT WITH SHOP DRAWINGS AND MATERIAL SPECIFICATIONS THAT HAVE BEEN PRE-APPROVED BY THE DESIGN ENGINEER BEFORE A PERMIT WILL BE ISSUED.
 9. THE CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH OSHA REQUIREMENTS IN ALL ASPECTS OF CONSTRUCTION.
 10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING SANITARY FLOWS AT ALL TIMES BY METHODS ACCEPTABLE TO THE DEVELOPER'S ENGINEER AND THE DISTRICT.
 11. FLOOR DRAINS IN THE BASEMENT OR GARAGE ARE TO BE CONNECTED TO THE SANITARY SEWER. FLOOR DRAINS DO NOT INCLUDE FOUNDATION OR FOOTER DRAINS INSTALLED TO INTERCEPT UNCONTAMINATED GROUND WATER. ALL DISCHARGES TO THE SANITARY SEWER MUST COMPLY WITH EFFLUENT LIMITS OF THE ONTARIO COUNTY SEWER USE LAW. FOUNDATION AND FOOTER DRAINS SHALL BE CONSTRUCTED IN A MANNER THAT WILL PROHIBIT GROUNDWATER FROM DRAINING INTO THE SANITARY SEWER PIPE CRADLE.
 12. LATERAL CONNECTIONS REQUIRING OPENINGS IN ASBESTOS CEMENT PIPE WILL BE DESIGNED, INSPECTED AND CERTIFIED BY THE DESIGN ENGINEER OR REPRESENTATIVE THEREOF.
 13. ANY EXCAVATION NOT BACKFILLED BY THE END OF THE WORKDAY SHALL BE FENCED, BARRICADED AND LIGHTED FOR SAFETY AND PROTECTION OF THE PUBLIC.
 14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF EXISTING SANITARY MAINS, STRUCTURES AND APPURTENANCES, IF ANY, NEEDED TO COMPLETE THE WORK.
- RENOVATION PROJECTS ONLY:**
15. EXISTING LATERALS TO BE DISCONNECTED MUST BE PERMANENTLY PLUGGED OR CAPPED AT THE EASEMENT OR RIGHT OF WAY LINE UNDER THE DIRECTION OF THE CANANDAIGUA LAKE COUNTY SEWER DISTRICT SUPERVISOR. THE CONTRACTOR IS REQUIRED TO OBTAIN A PERMIT PRIOR TO PERFORMING THE WORK. THE LOCATION OF THE PLUG OR CAP SHALL BE RECORDED FOR AS-BUILT DRAWING PURPOSES.
 16. PRIOR TO DEMOLISHING AN EXISTING BUILDING, THE CONTRACTOR SHALL EXCAVATE, DISCONNECT AND ABANDON THE LATERAL FROM THE BUILDING TO THE POINT OF DISCONNECTION (APPROXIMATELY 30' FROM THE EXISTING BUILDING) PER DISTRICT STANDARDS. A TEMPORARY PLUG SHALL BE INSTALLED IN THE REMAINING PORTION OF THE EXISTING SANITARY LATERAL UNTIL IT IS TESTED AND TESTED.
 17. IN ORDER TO DETERMINE WHETHER AN EXISTING SANITARY LATERAL IS ACCEPTABLE FOR CONNECTION TO A NEW BUILDING, THE LATERAL SHALL BE TESTED IN THE PRESENCE OF DISTRICT PERSONNEL AT THE OWNER'S EXPENSE.
 18. IF AN EXISTING LATERAL IS FOUND TO BE ACCEPTABLE AND MEET THE MINIMUM DISTRICT REQUIREMENTS, IT SHALL BE TEMPORARILY RE-PLUGGED AND BACKFILLED WITH A WITNESS STAKE IN PLACE, UNTIL CONNECTION TO THE NEW BUILDING CAN TAKE PLACE.
 19. IF A NEW SANITARY LATERAL IS REQUIRED, THE EXISTING LATERAL MUST BE EXCAVATED, REMOVED, AND CAPPED AT THE EASEMENT RIGHT OF WAY LINE IN ACCORDANCE WITH DISTRICT REQUIREMENTS.
 20. IF A NEW SANITARY SEWER LATERAL IS REQUIRED, THE CONNECTION TO THE EXISTING SANITARY MAIN SHALL BE MADE PER DISTRICT STANDARDS.

WATERMAIN / SEWER CROSSING DETAIL

CONDITION	SCHEMATIC	REQUIREMENTS
I WATER LINE ABOVE SEWER LINE		A) WATER LINE AND SEWER LINE PIPE LENGTHS TO BE CENTERED AT CROSSING EACH LENGTH OF PIPE TO BE 10 FT. MINIMUM.
II WATER LINE ABOVE SEWER LINE		A) WATER LINE AND SEWER LINE PIPE LENGTHS TO BE CENTERED AT CROSSING EACH LENGTH OF PIPE TO BE 10 FT. MINIMUM. B) WHEN BOTH WATER LINE AND SEWER LINE ARE NEW, SLEEVE SEWER LINE WITH STEEL CASING FOR 10 FT. EACH SIDE OF CROSSING. WHEN ONE LINE IS EXISTING, SLEEVE PIPE BEING INSTALLED WITH STEEL CASING FOR 10 FT. EACH SIDE OF CROSSING
III SEWER LINE ABOVE WATER LINE		A) WATER LINE AND SEWER LINE PIPE LENGTHS TO BE CENTERED AT CROSSING EACH LENGTH OF PIPE TO BE 10 FT. MINIMUM. B) SLEEVE SEWER LINE WITH STEEL CASING FOR 10 FT. EACH SIDE OF CROSSING. C) PROVIDE CRADLE OF CONCRETE OR CRUSHER RUN STONE (SEE TRENCH SECTION DETAIL BELOW) FOR WATER LINE AND SEWER LINE FOR 10 FT. EACH SIDE OF CROSSING.

WL (WATER LINE)
SL (SEWER LINE, SANITARY OR STORM)
D (OUTSIDE DIAMETER OF PIPE)

IN NO CASE SHALL PIPES BE CLOSER THAN 18 INCHES APART. DISTANCES ARE MEASURED BETWEEN OUTSIDES OF PIPE

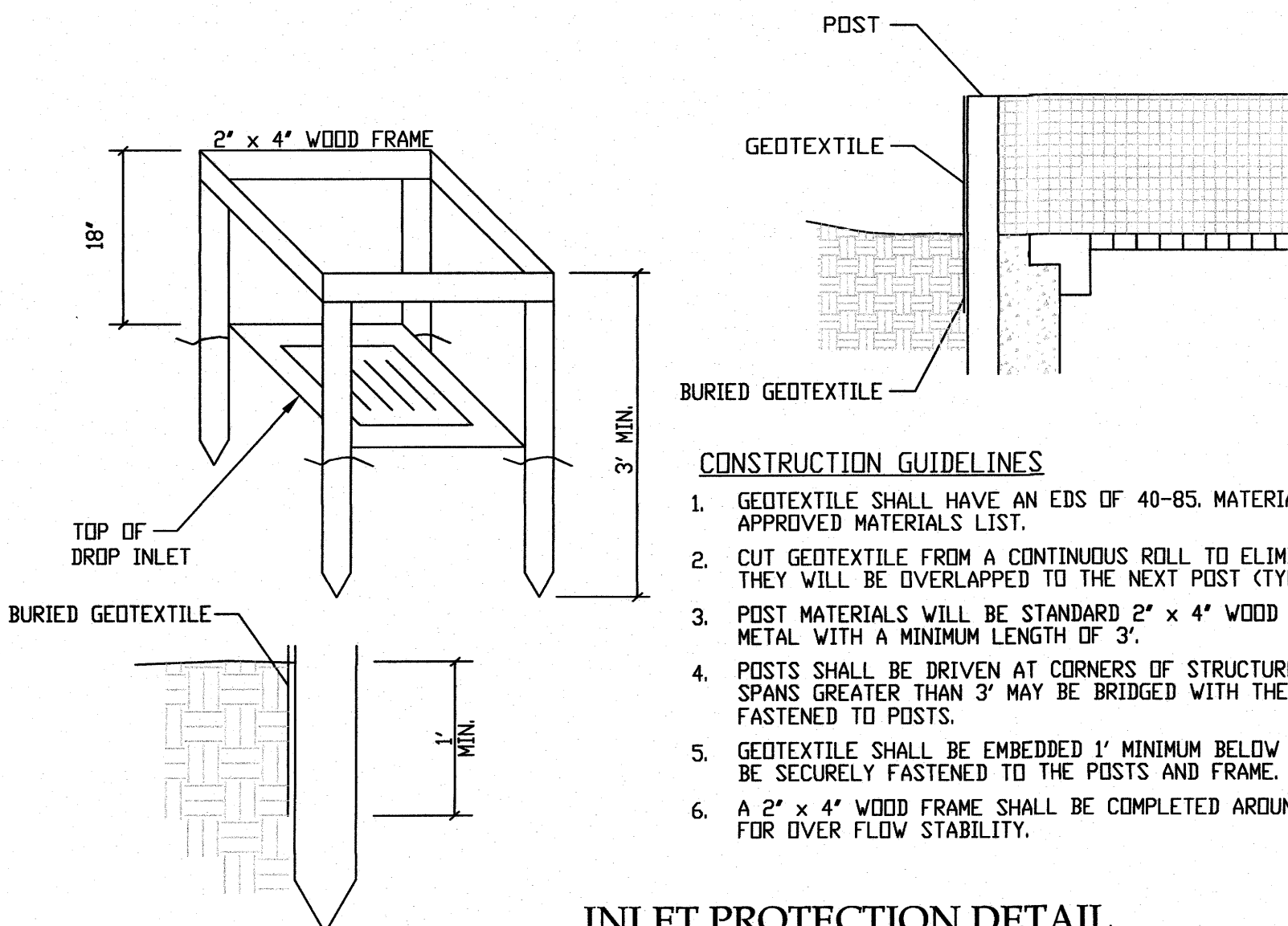
CAREFULLY TAMPED BACKFILL

CRADLE OF CONCRETE OR CRUSHER RUN STONE

1/4 D

1/4 D, 4" MINIMUM

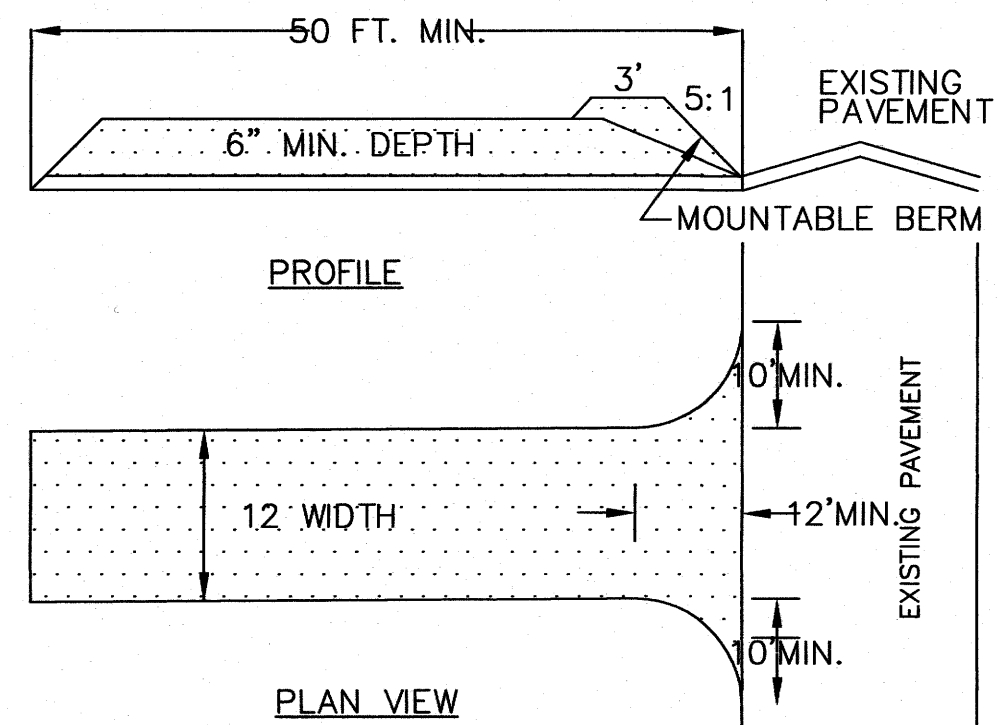
8 INCHES



INLET PROTECTION DETAIL N.T.S.

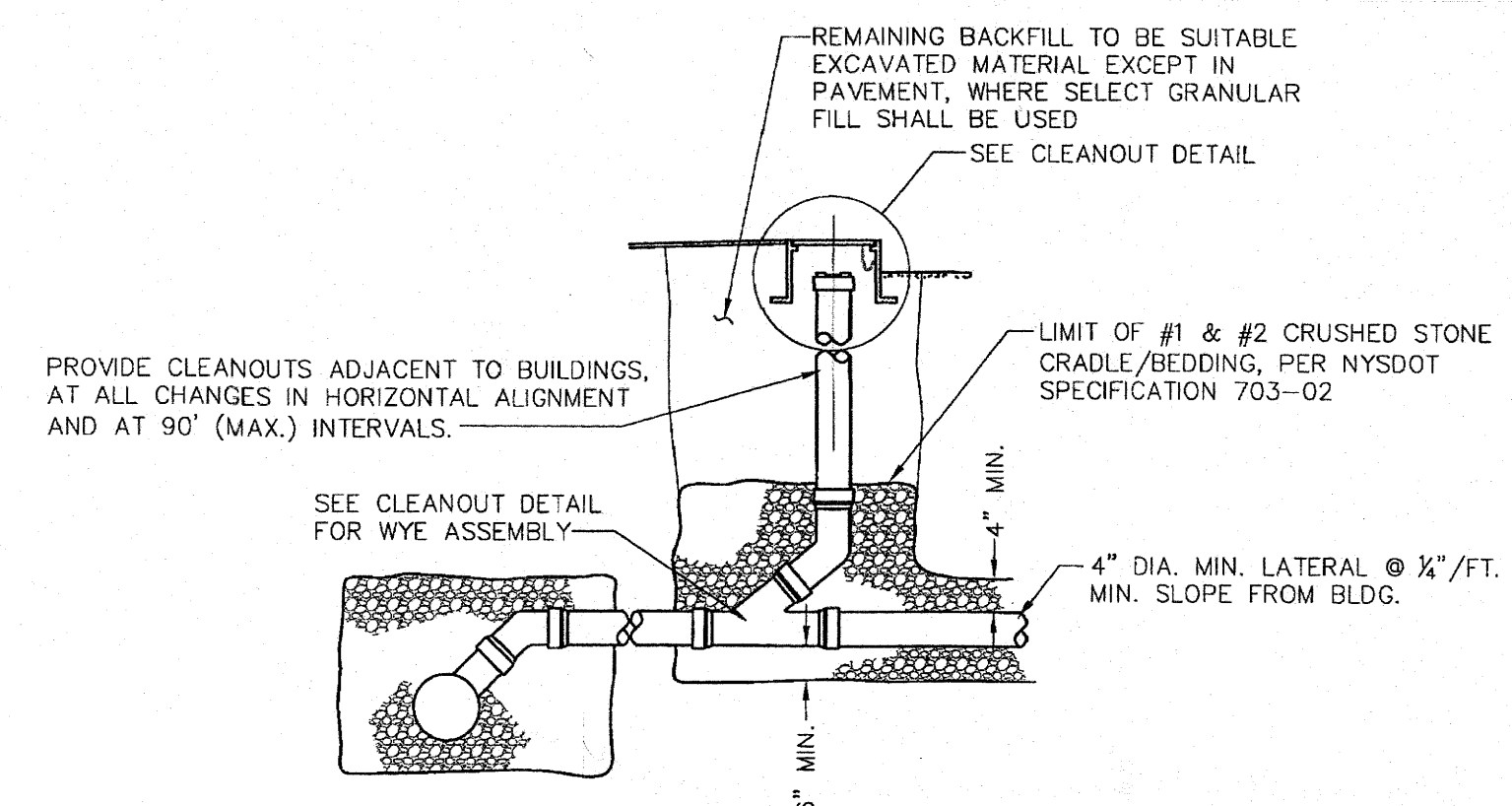
CONSTRUCTION GUIDELINES

1. GEOTEXTILE SHALL HAVE AN EDS OF 40-85. MATERIAL TO BE LISTED ON THE NYSOT APPROVED MATERIALS LIST.
2. CUT GEOTEXTILE FROM A CONTINUOUS ROLL TO ELIMINATE JOINTS. IF JOINTS ARE NEEDED THEY WILL BE OVERLAPPED TO THE NEXT POST (TYP.).
3. POST MATERIALS WILL BE STANDARD 2' x 4' WOOD OR EQUIVALENT METAL WITH A MINIMUM LENGTH OF 3'.
4. POSTS SHALL BE DRIVEN AT CORNERS OF STRUCTURES AND TO A MINIMUM DEPTH OF 1-1/2'. SPANS GREATER THAN 3' MAY BE BRIDGED WITH THE USE OF MESH REINFORCEMENT FASTENED TO POSTS.
5. GEOTEXTILE SHALL BE EMBEDDED 1' MINIMUM BELOW GROUND AND BACKFILLED. IT SHALL BE SECURELY FASTENED TO THE POSTS AND FRAME.
6. A 2' x 4' WOOD FRAME SHALL BE COMPLETED AROUND THE CREST OF THE GEOTEXTILE FOR OVER FLOW STABILITY.



STABILIZED CONSTRUCTION ENTRANCE DETAILS

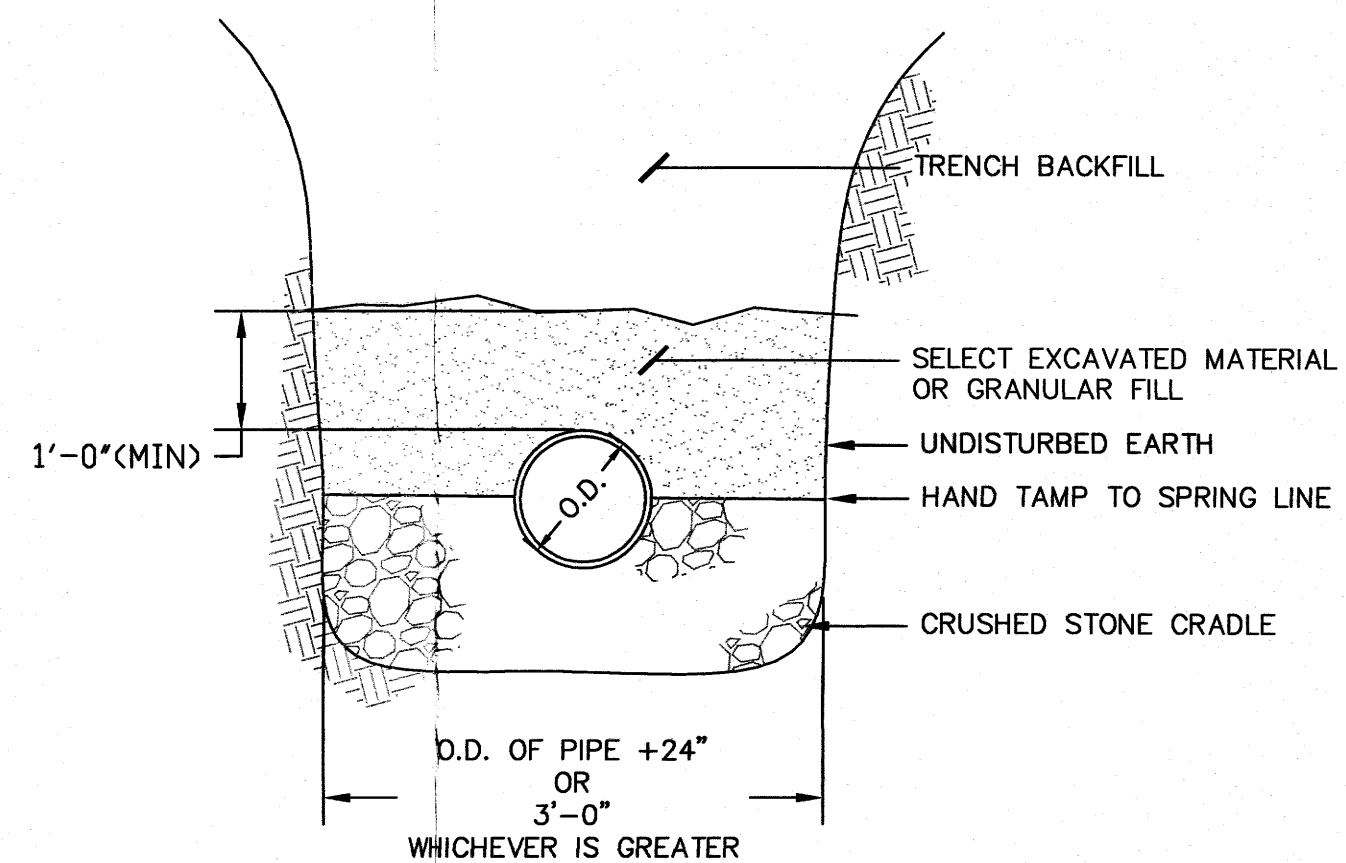
NOT TO SCALE



NOTE:
4" OR 6" DIA. SDR 21 SHALL BE USED FOR NEW LATERALS, RISERS, CLEANOUTS & WYE CONNECTIONS. 22 1/2' AND 45' BENDS ONLY - 90° BENDS AND TEES ARE UNACCEPTABLE. TWO 22 1/2' BENDS MAY BE CONNECTED W/ A 2' (MIN.) LENGTH OF STRAIGHT PIPE. ALL JOINTS MUST HAVE RUBBER GASKETS. GLUED JOINTS ARE PROHIBITED.

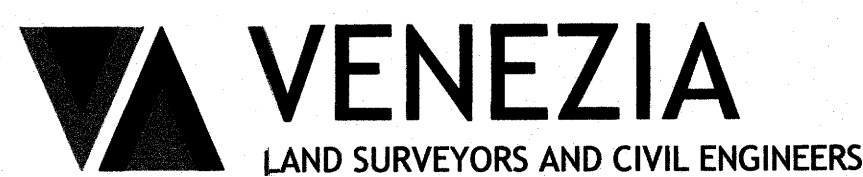
SANITARY SEWER LATERAL DETAIL PRIVATELY-OWNED SEWER MAIN

PROJECT: SA_STDS	DWG: CLCSD STD	ONTARIO COUNTY DEPARTMENT OF PUBLIC WORKS
SCALE: N.T.S.	REV: 08/2010	



PIPE BEDDING DETAIL - PLASTIC WATER SERVICE

NOT TO SCALE



5120 Laura Lane

Canandaigua New York, 14424

Centerline

Revisions			
NO.	Date	Description	By
1	2/22/16	Address PRC comments	AAV
2	4/13/2016	Revise Per MRB Comments	AAV

This is to certify that I am a Licensed Land Surveyor and that this plan was completed on 02/07/2016 from notes of an instrument survey performed on 01/08/2016

Rocco A. Venezia
License No. 049761 signed



Site Details:

Jeffrey & Laurie Twombly

Town of Canandaigua

www.veneziasurvey.com

(585)396-3267

Showing Land

At

4341 Tichenor Point Drive

County of Ontario

State of New York

E-mail rocco@veneziasurvey.com

T.M. Parcel 126.12-2-13.1
Scale 1" = 15'
File 15231SP
Sheet D-1