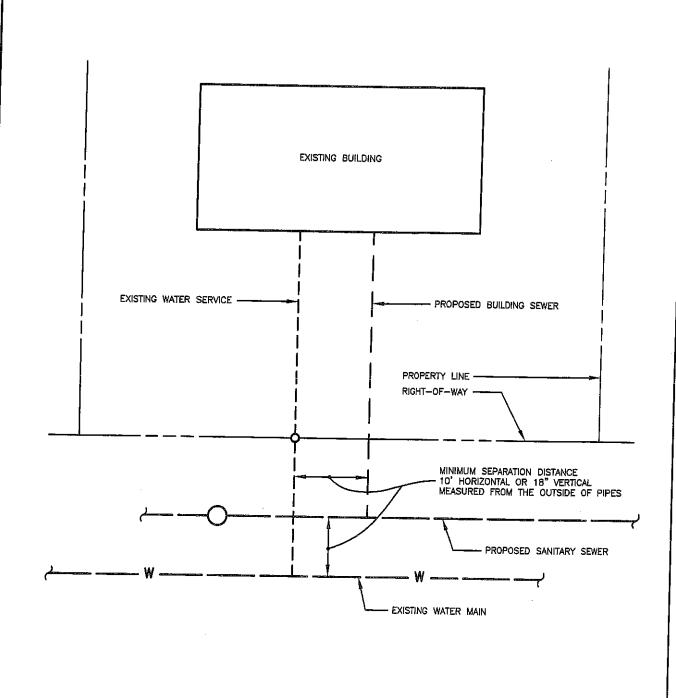
SECTION 4. STANDARD DETAILS

## STANDARD DETAIL INDEX

Drawing No.	<u>Title</u>
WS-1	Water and Sewer Line Separation
WS-2	Water Main and Sewer Crossing Vertical Separation Less Than 18"
WS-3	Water Main / Sewer Crossing Detail
WS-4	Thrust Blocking
WS-5	Hydrant Unit
WS-6	Line Valve
WS-7-1	Blow-Off Hydrant
WS-8	Service
WS-9	Sampling and Disinfection Tap
WS-10	Plastic Pit for Water Meter
SA-1	Precast Concrete Manhole
SA-2	Precast Concrete Manhole
SA-4	Building Sewer
SA-5	Building Sewer Riser
SA-6	Building Sewer Cleanout
SA-7	Drop Connection
ST-2	Storm Drain Inlet Precast Concrete
ST-3	Storm Inlet Manhole
RS-1	Concrete Sidewalk
RS-3	Concrete Curb and Granite Curb
RS-4R	Concrete Gutter with Weep
RS-5	Gutter Inlet
RS-6	Special Gutter Inlet

## STANDARD DETAIL INDEX (continued)

<u>Drawing No.</u>	<u>Title</u>
RS-7	Driveway Details
RS-8	Standard Turnaround
RS-9	Temporary Turnaround
RS-10	Typical Road Sections Alternate A
RS-11	Typical Road Sections Alternate B
RS-12	Private Road Details
RS-14	Mountable Curb
TR-1	Pipe Bedding Details
TR-2	Typical Trench Section Pavement Areas
TR-3	Typical Trench Section Town Road Crossings
TR-5	Underdrain



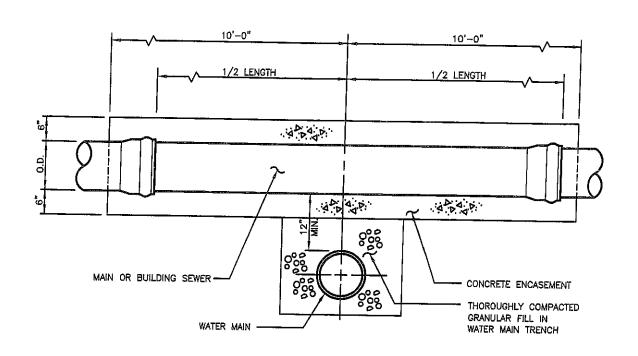
## WATER AND SEWER LINE SEPARATION

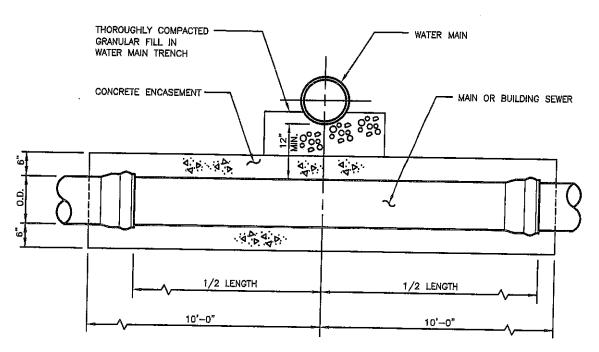
SNIEDZE ASSOCIATES, CONSULTING ENGINEERS CANANDAIGUA, NEW YORK

NOT TO SCALE

MAY 2007

WS-1





PLACE WATER MAIN JOINTS EQUIDISTANT FROM THE MAIN OR BUILDING SEWER.

WRAP ALL PIPE IN POLYETHYLENE FILM BEFORE ENCASING IN CONCRETE TO PREVENT ADHESION OF CONCRETE TO THE PIPE.

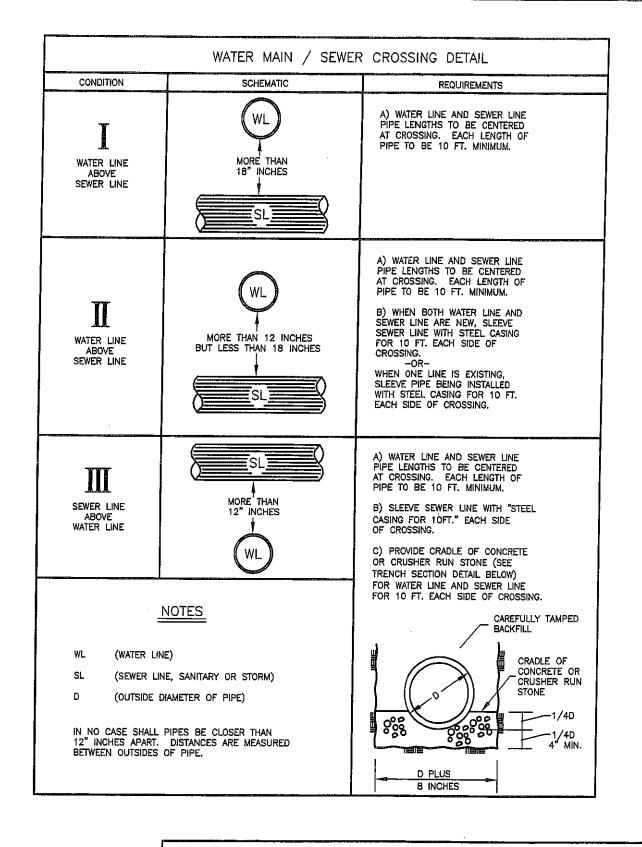
## WATER MAIN AND SEWER CROSSING VERTICAL SEPARATION LESS THAN 18"

SNIEDZE ASSOCIATES, CONSULTING ENGINEERS CANANDAIGUA, NEW YORK

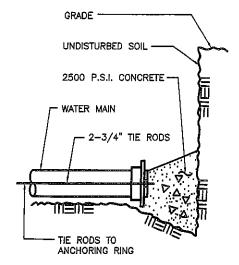
SCALE: 1/2" = 1'-0"

MAY 2007

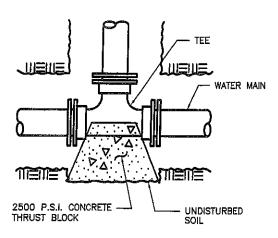
WS-2



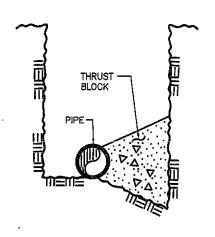
# WATER MAIN / SEWER CROSSING DETAIL SNIEDZE ASSOCIATES, CONSULTING ENGINEERS CANANDAIGUA, NEW YORK NOT TO SCALE MAY 2007 WS-3



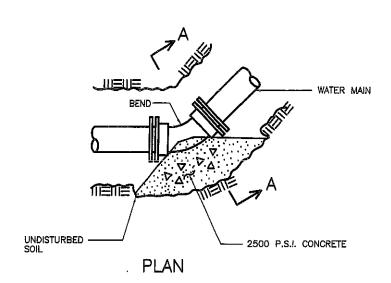
THRUST BLOCK FOR PLUG



THRUST BLOCK FOR TEE



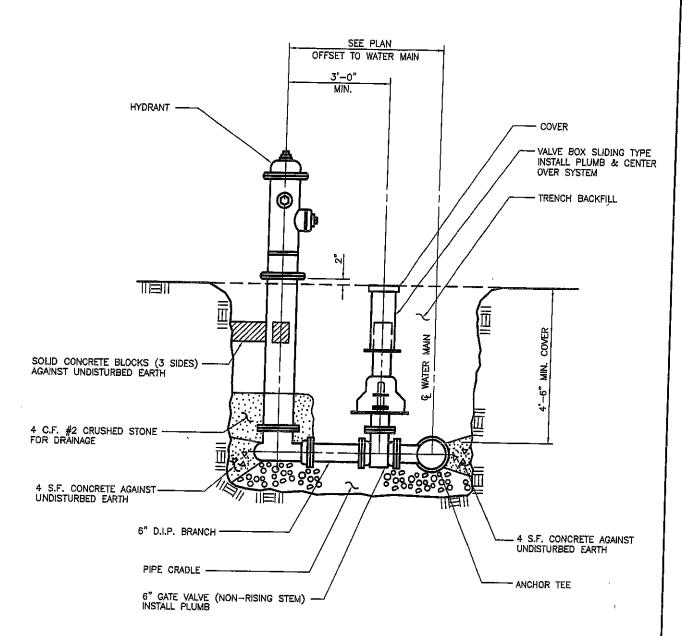
SECTION A-A



TYPICAL THRUST BLOCK FOR BENDS

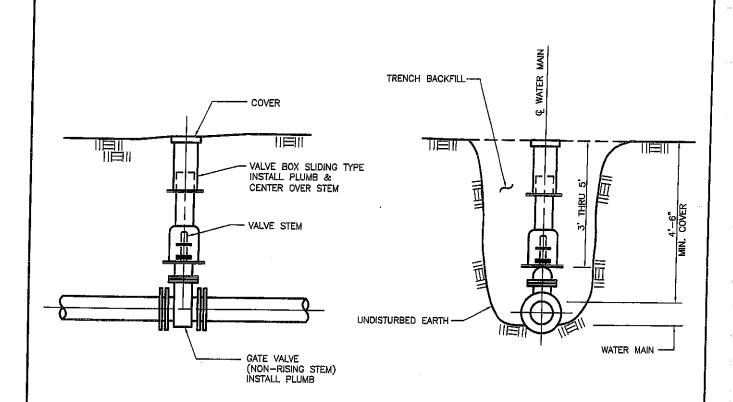
1	MINIMUM THRUST BLOCK AREA BASED ON 200 PSI OF WATER PRESSURE & SAFE BEARING LOAD OF 2000 LBS/FT.				
PIPE 1.D. IN	TEES PLUGS	90° BEND	45° BEND	221° BEND	11r BEND
6	3	4	2	1	_
8	5	6	3	2	1
10	7	9	5	3	2
12	9	12	7	4	3

TH	HRUST BLOCKI	NG			
SNIEDZE	SNIEDZE ASSOCIATES, CONSULTING ENGINEERS CANANDAIGUA, NEW YORK				
NOT TO SCALE	MAY 2007	WS-4			



- 1. LOCK-TYPE JOINTS SHALL BE USED
- 2. ALL HYDRANT WEEP HOLES THAT ARE BELOW MEAN HIGH GROUNDWATER LEVEL SHALL BE PLUGGED. THE HYDRANTS WITH PLUGGED WEEP HOLES SHALL BE SO LABELED OR TAGGED.
- PROVIDE HYDRANT BARREL EXTENSIONS FOR HYDRANTS LOCATED IN EMBANKMENTS

HYDRANT UNIT			
SNIEDZE ASSOCIATES, CONSULTING ENGINEERS CANANDAIGUA, NEW YORK			
SCALE: 3/8" = 1'-0"	MAY 2007	WS-5	



PROVIDE 6" MINIMUM CRUSHED STONE CRADLE UNDER PIPE AND APPURTENANCES IN ROCK AREAS AND WHERE REQUIRED BY TRENCH AND SOIL CONDITIONS.

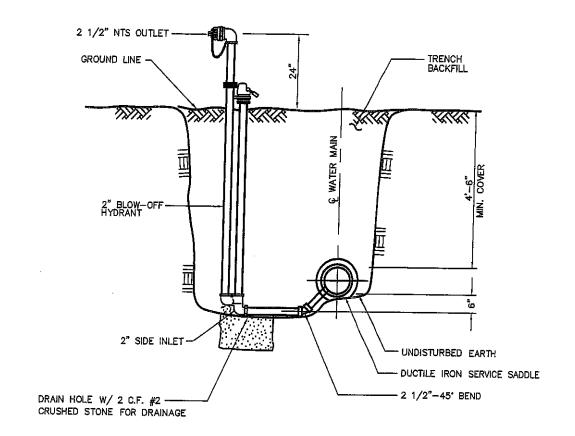
## LINE VALVE

SNIEDZE ASSOCIATES, CONSULTING ENGINEERS CANANDAIGUA, NEW YORK

SCALE: 3/8" = 1'-0"

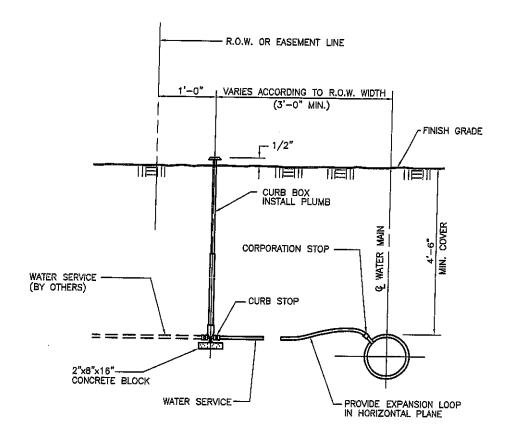
MAY 2007

₩S-6-1

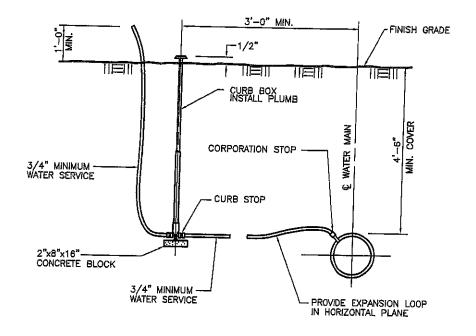


PROVIDE 6" MINIMUM CRUSHED STONE CRADLE UNDER PIPE AND APPURTENANCES IN ROCK AREAS AND WHERE REQUIRED BY TRENCH AND SOIL CONDITIONS.

# BLOW-OFF HYDRANT SNIEDZE ASSOCIATES, CONSULTING ENGINEERS CANANDAIGUA, NEW YORK SCALE: 3/8" = 1'-0" MAY 2007 WS-7-1



	SERVICE			
SNIEDZE ASSOCIATES, CONSULTING ENGINEERS CANANDAIGUA, NEW YORK				
SCALE: 3/8" = 1'-0"	MAY 2007	WS-8		



F THIS TAP IS NOT TO BE USED FOR A WATER SERVICE, THE CONTRACTOR MUST REMOVE THE CORPORATION AND INSERT A BRASS PLUG IN THE MAIN.

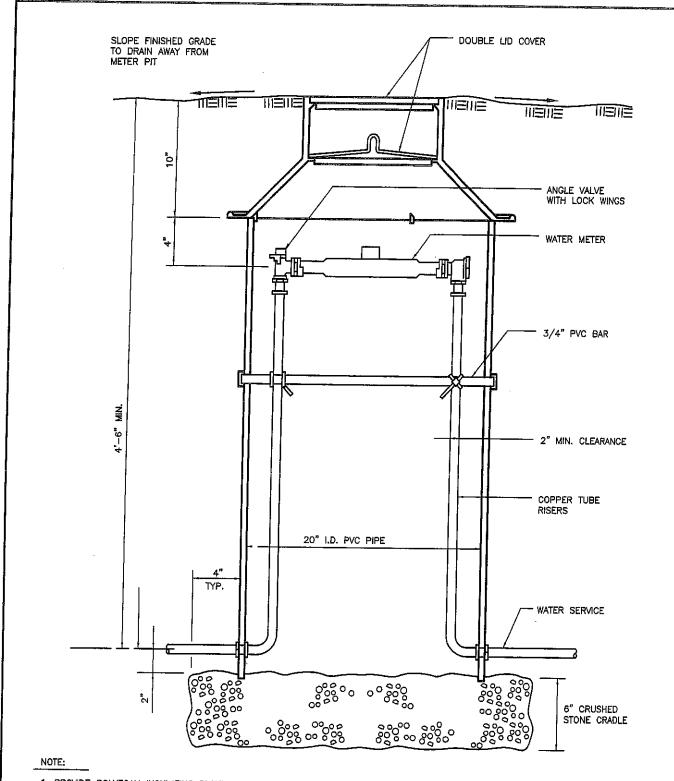
## SAMPLING & DISINFECTION TAP

SNIEDZE ASSOCIATES, CONSULTING ENGINEERS CANANDAIGUA, NEW YORK

SCALE: 3/8" = 1'-0"

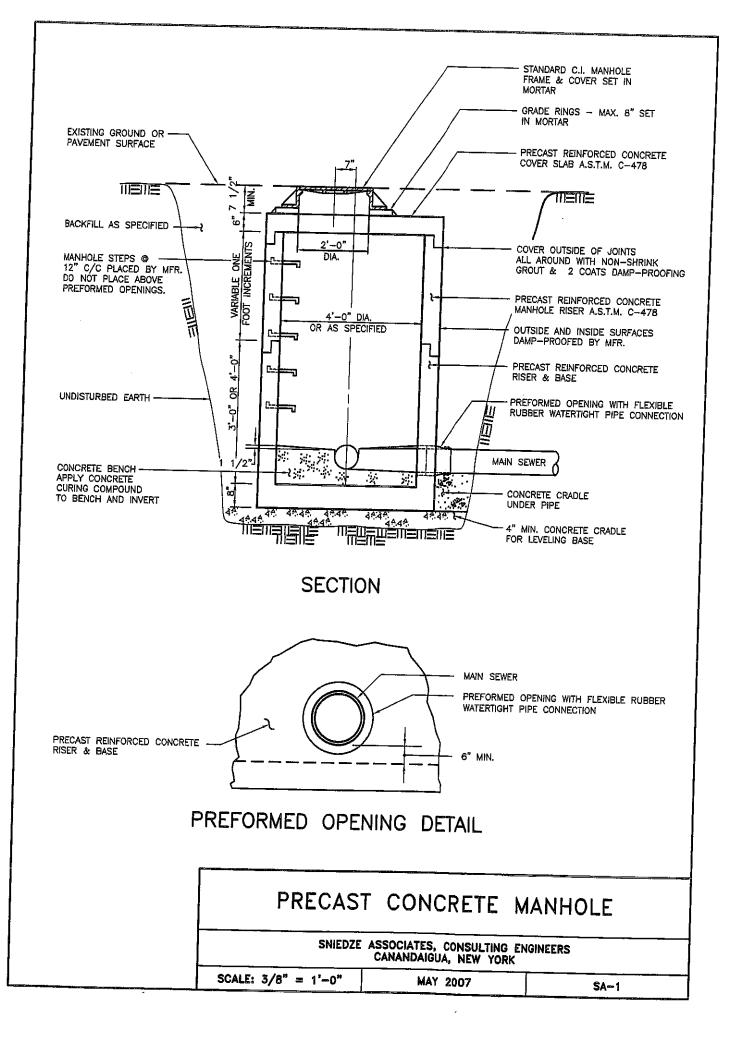
MAY 2007

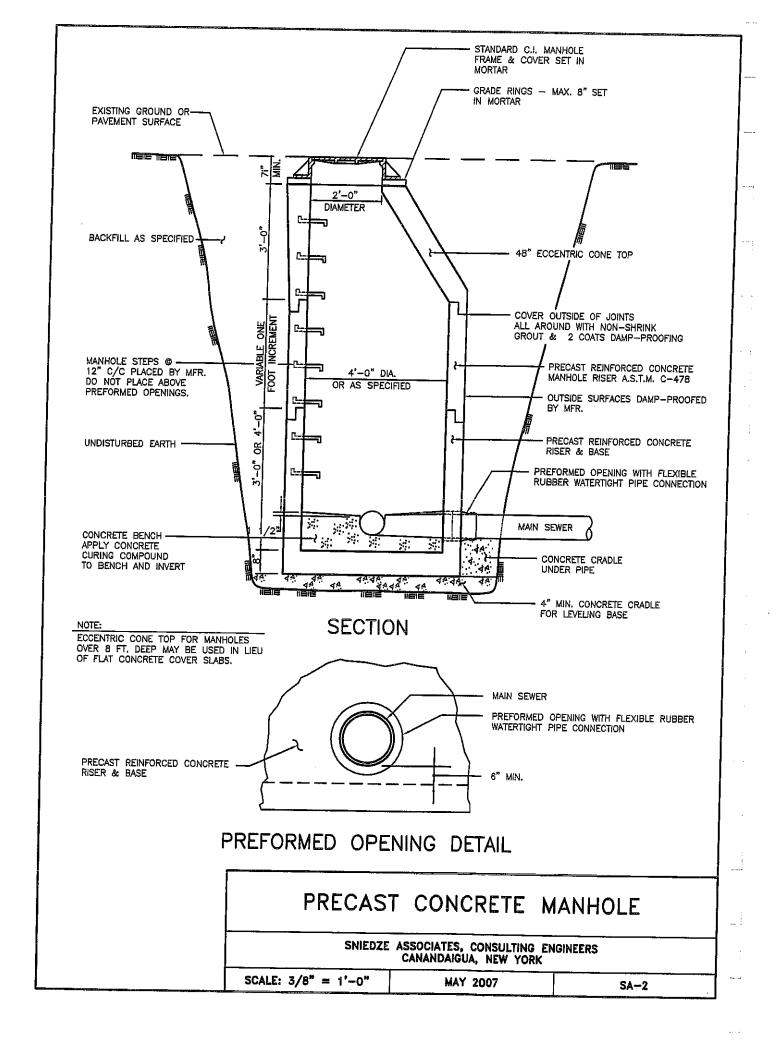
WS-9

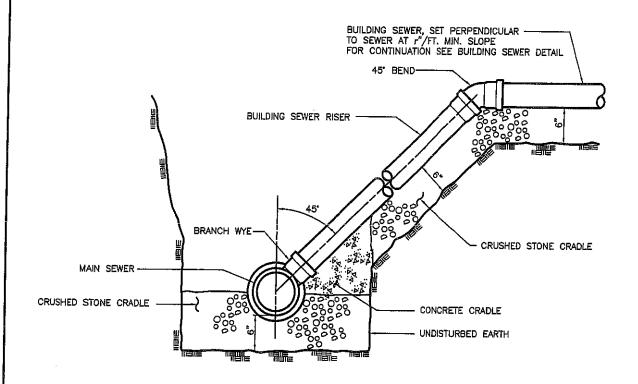


- 1. PROVIDE POLYFOAM INSULATING BLANKET AND DRAPE IT OVER METER AND SETTING.
- 2. USE PIT FOR INDIVIDUAL SERVICES LONGER THAN 250 FEET FROM WATER MAIN.
- 3. USE PIT FOR ALL NEW CONSTRUCTION THAT DOES NOT HAVE A BASEMENT OR CRAWL SPACE.

PLASTIC F	PIT FOR WATE	R METER		
SNIEDZE ASSOCIATES, CONSULTING ENGINEERS CANANDAIGUA, NEW YORK				
SCALE: 1 1/2" = 1'-0"	MAY 2007	WS-10		







NOTE:
INSTALL RISER IF REQUIRED DURING CONSTRUCTION OF MAIN SEWER.

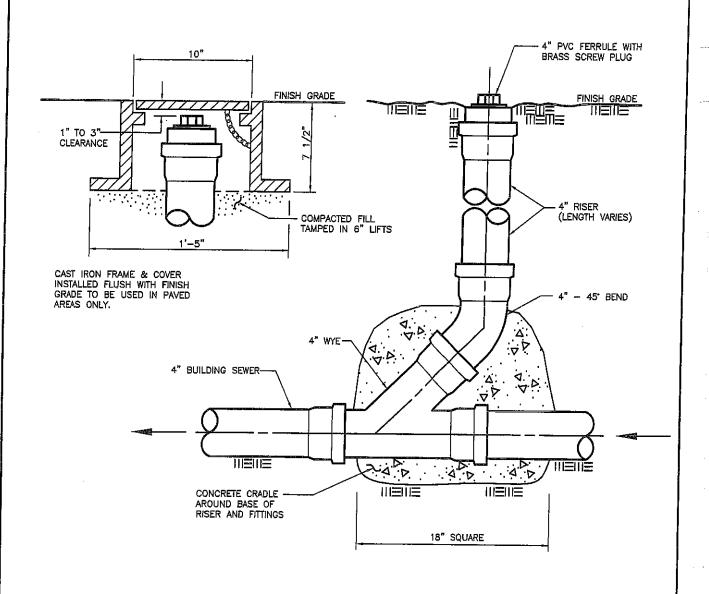
## BUILDING SEWER RISER

SNIEDZE ASSOCIATES, CONSULTING ENGINEERS CANANDAIGUA, NEW YORK

SCALE: 3/4" = 1'-0"

MAY 2007

SA-5



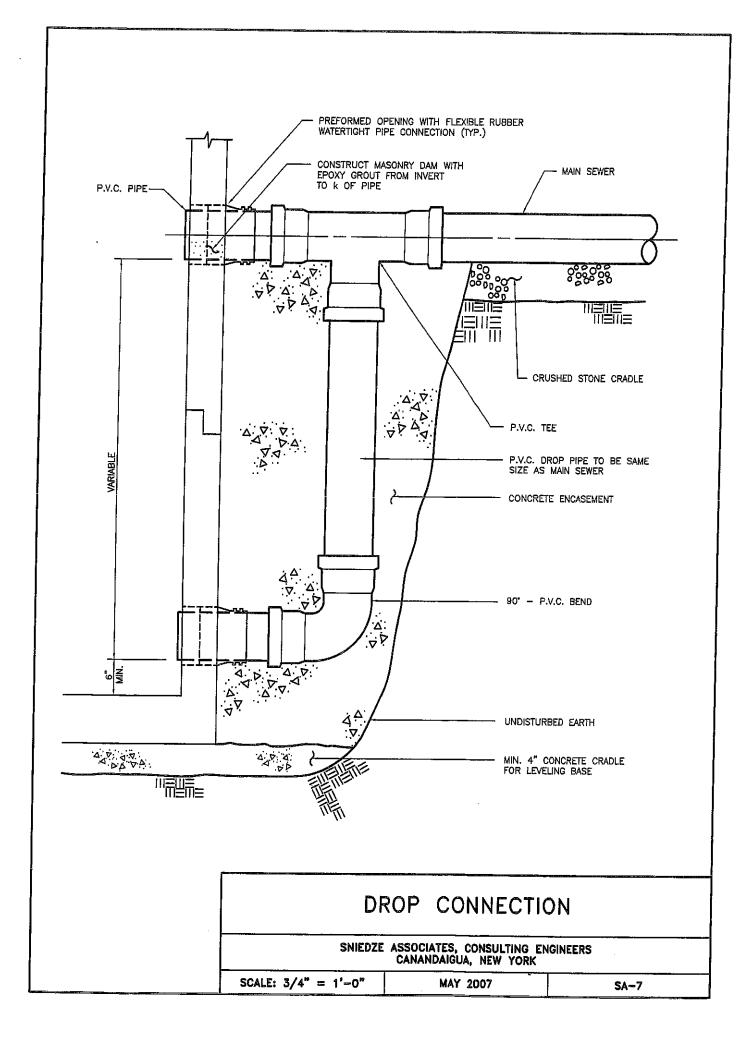
## **BUILDING SEWER CLEANOUT**

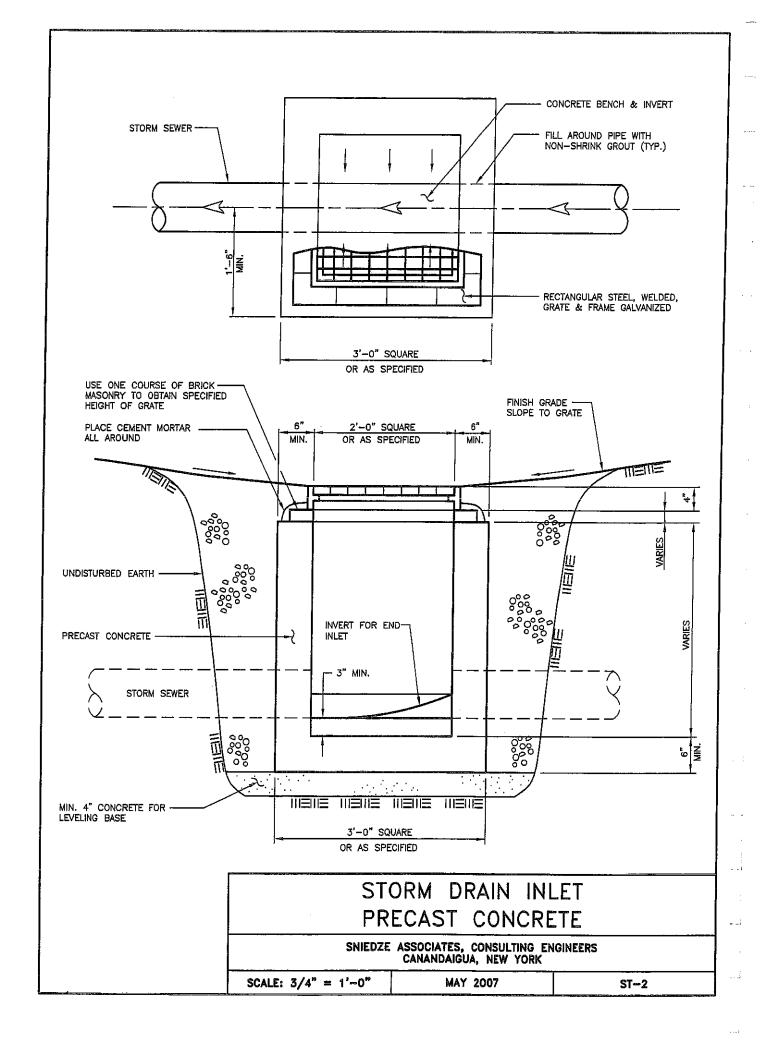
SNIEDZE ASSOCIATES, CONSULTING ENGINEERS CANANDAIGUA, NEW YORK

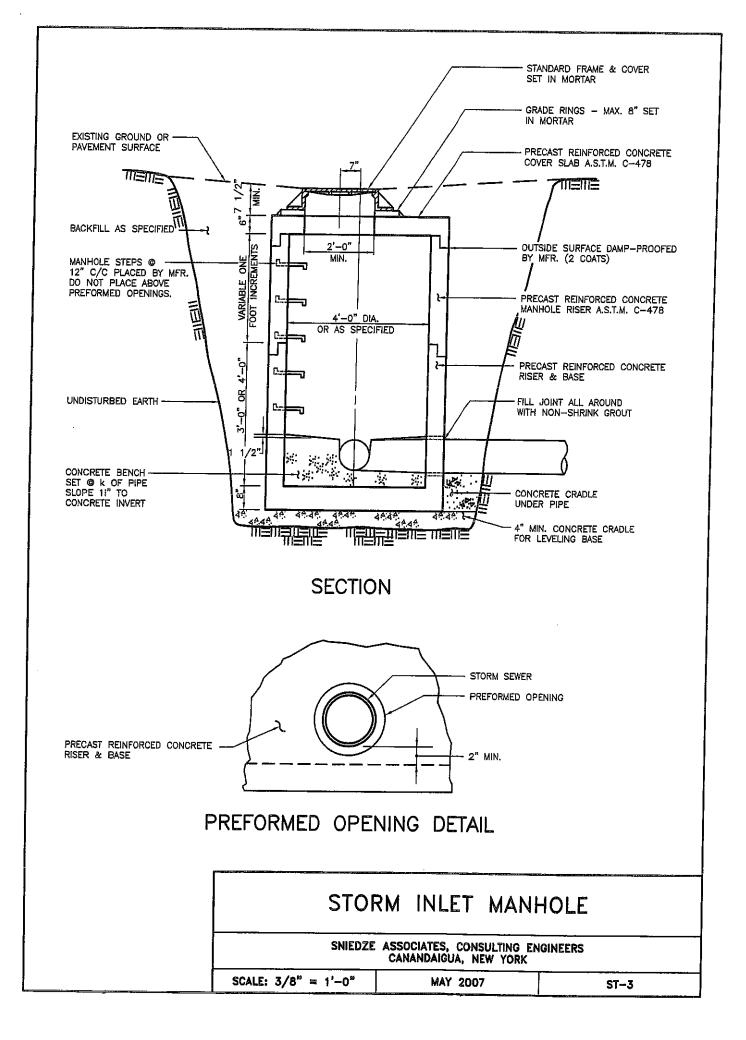
SCALE: 1 1/2" = 1'-0"

MAY 2007

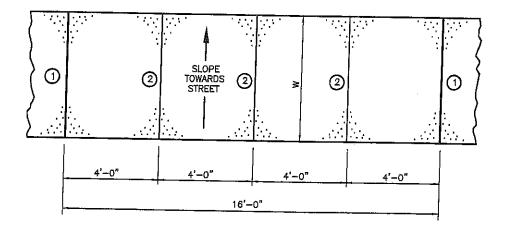
SA-6



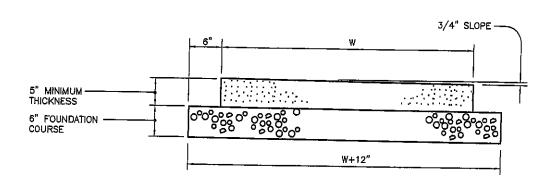




- 1 EXPANSION JOINT WITH PREMOLDED RESILIENT JOINT FILLER
- (2) CONTRACTION JOINT



### **PLAN**

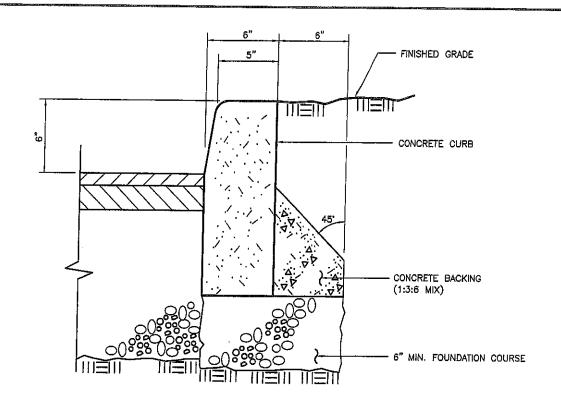


## **SECTION**

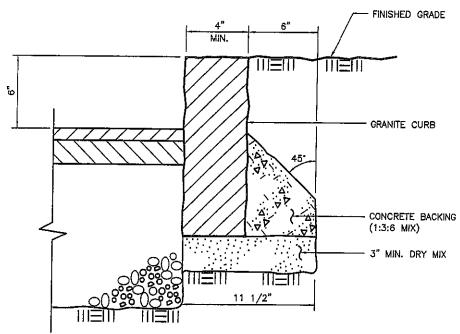
#### NOTE:

PROVIDE 6x6-8/8 WELDED WIRE FABRIC AT DRIVEWAYS TO EXTEND 4' EACH SIDE OF DRIVEWAY.

СО	NCRETE SIDEWA	ALK
SNIEDZE	ASSOCIATES, CONSULTING ENC CANANDAIGUA, NEW YORK	GINEERS
NOT TO SCALE	MAY 2007	RS-1



### CONCRETE CURB



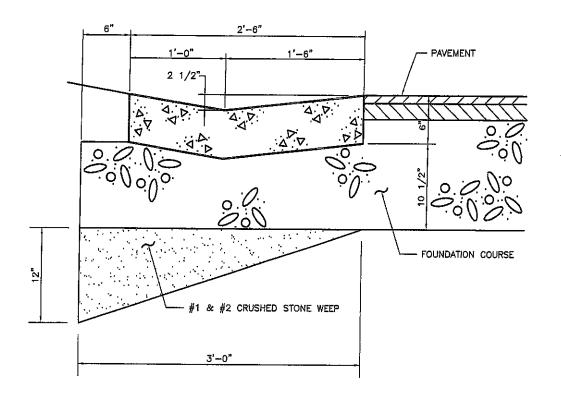
GRANITE CURB

## CONCRETE CURB AND GRANITE CURB

SNIEDZE ASSOCIATES, CONSULTING ENGINEERS CANANDAIGUA, NEW YORK

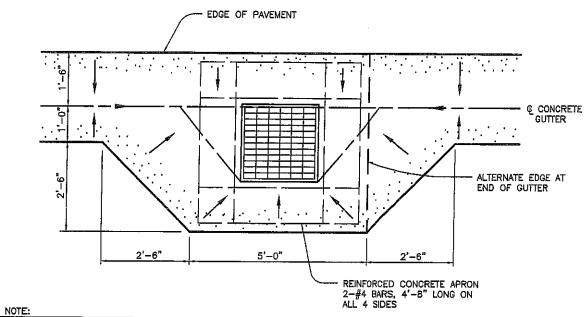
SCALE:  $1 \frac{1}{2} = 1'-0''$ 

MAY 2007



- 1. CRUSHED STONE WEEPS SHALL BE PROVIDED UNDER ALL CONCRETE GUTTERS.
- 2. 6' LONG SECTION OF 4" PERFORATED PVC DRAIN PIPE WITH END CAP SHALL EXTEND FROM EACH CATCH BASIN INTO WEEP.

CONCRETE GUTTER					
	WITH WEEP				
SNIEDZE ASSOCIATES, CONSULTING ENGINEERS CANANDAIGUA, NEW YORK					
SCALE: 1" = 1'-0"	MAY 2007	RS-4R			



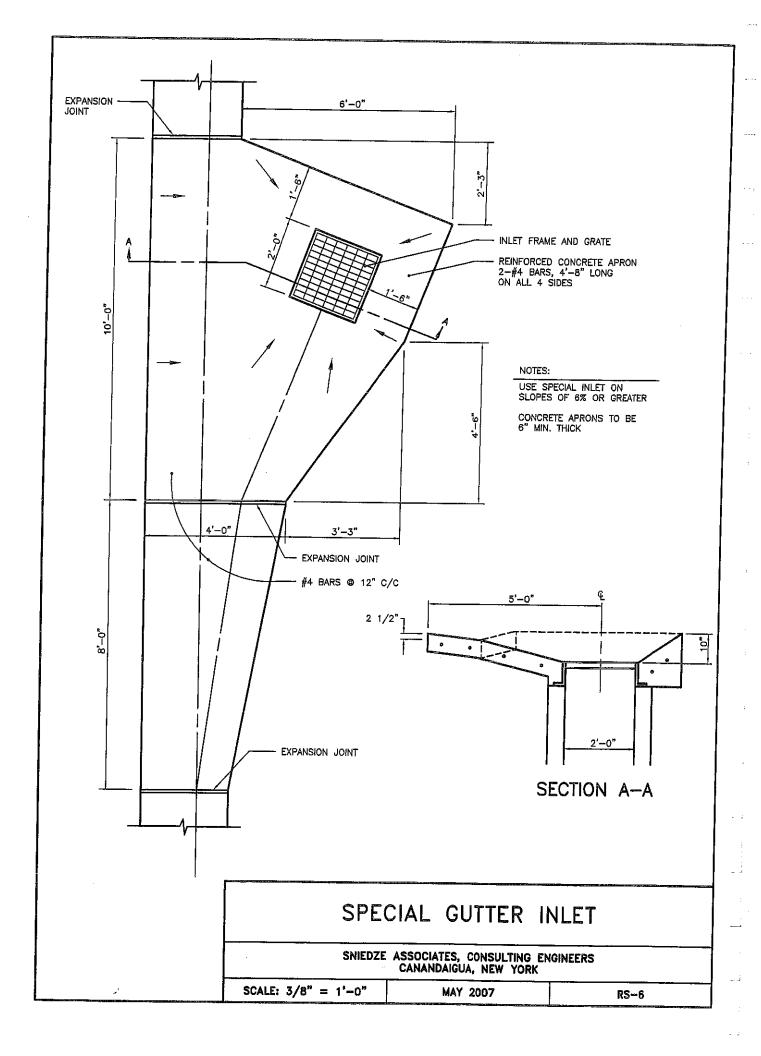
CONCRETE APRONS SHALL BE 6 INCHES THICK

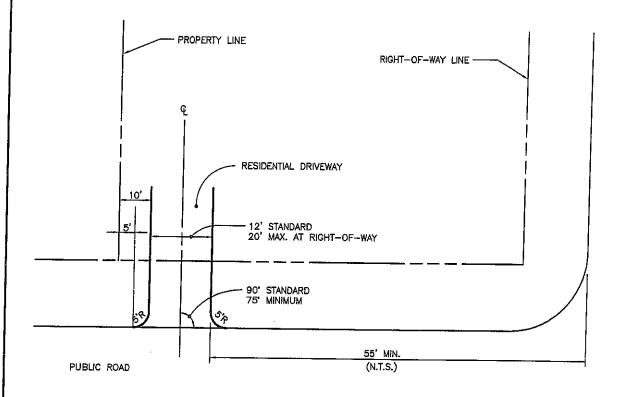
## GUTTER INLET

SNIEDZE ASSOCIATES, CONSULTING ENGINEERS CANANDAIGUA, NEW YORK

SCALE:  $3/8^{\circ} = 1'-0"$ 

MAY 2007





UBLIC ROAL

NOTE:

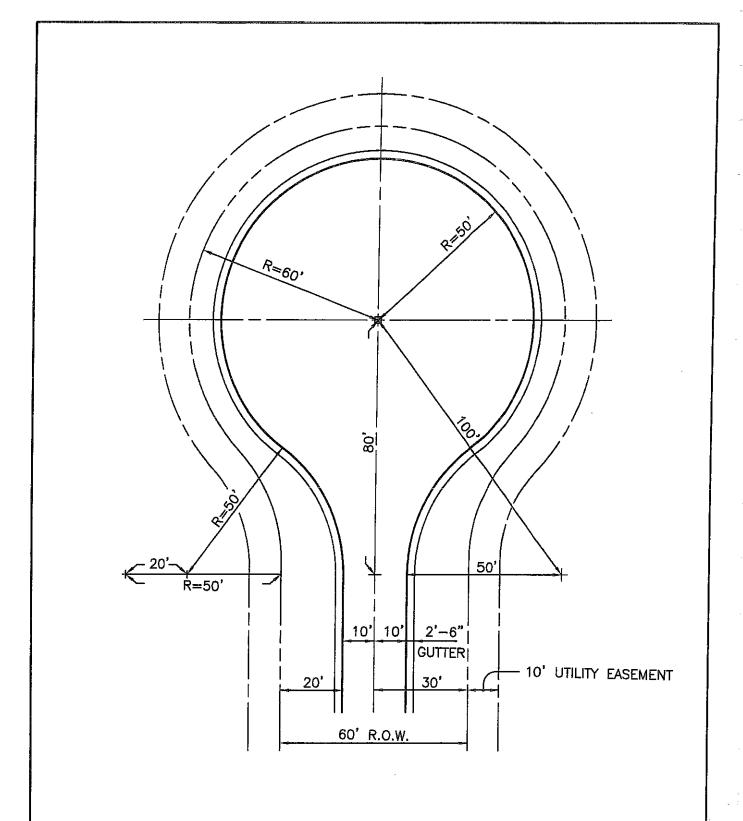
COMMERCIAL DRIVEWAYS TO CONFORM TO NYSDOT POLICY & STANDARDS FOR ENTRANCES TO STATE HIGHWAYS

## DRIVEWAY DETAILS

SNIEDZE ASSOCIATES, CONSULTING ENGINEERS CANANDAIGUA, NEW YORK

SCALE: 1" = 30'

MAY 2007

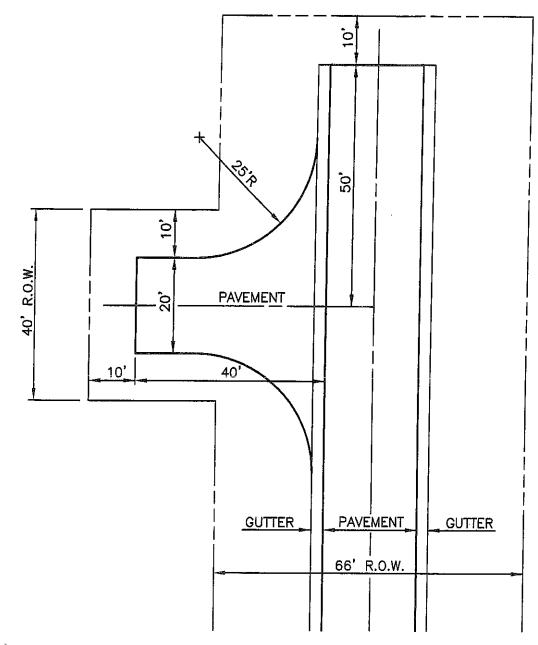


## STANDARD TURNAROUND

SNIEDZE ASSOCIATES, CONSULTING ENGINEERS CANANDAIGUA, NEW YORK

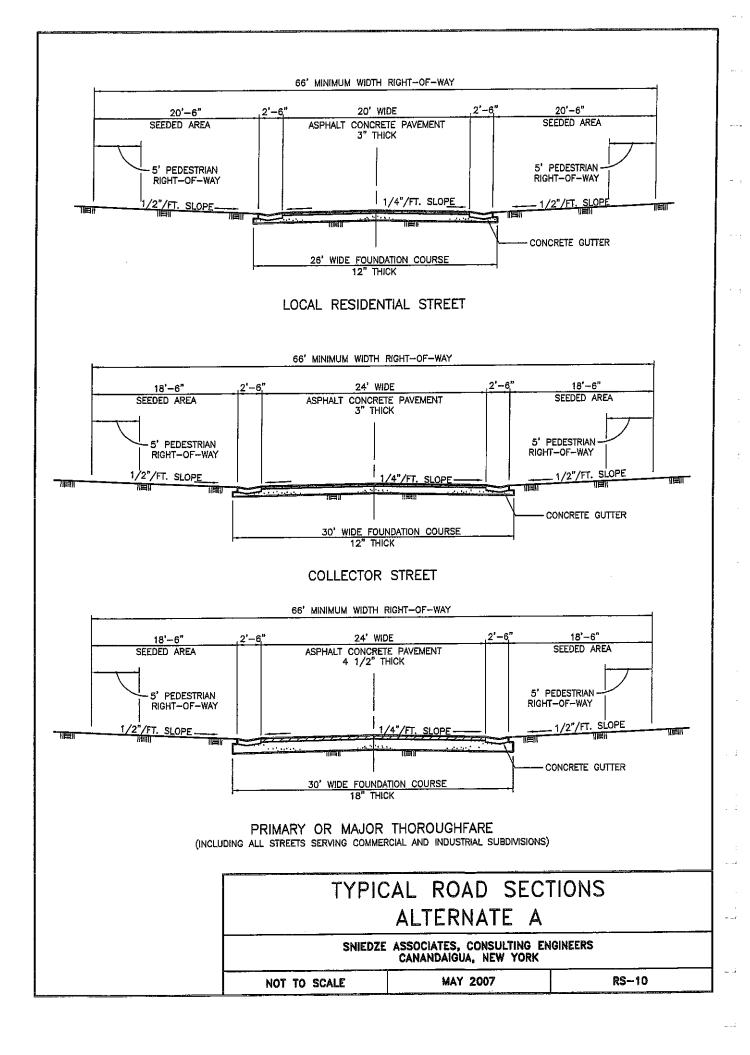
SCALE: 1" = 30'

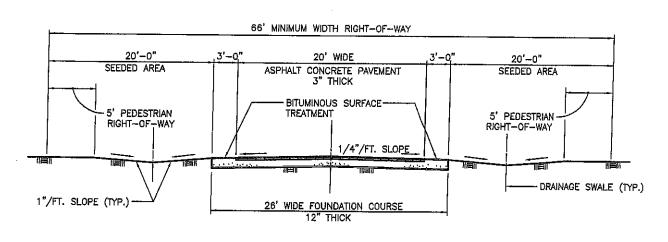
MAY 2007



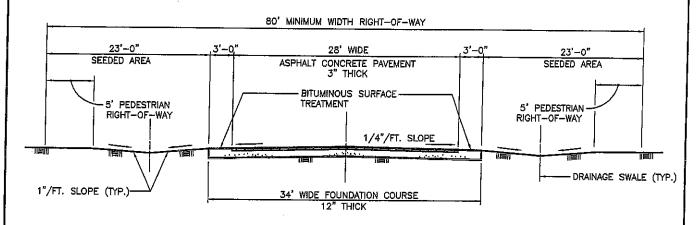
FOUNDATION COURSE — 12" MINIMUM COMPACTED THICKNESS PAVEMENT — 3" MINIMUM THICKNESS ASPHALT CONCRETE

TEMPORARY TURNAROUND				
SNIEDZE ASSOCIATES, CONSULTING ENGINEERS CANANDAIGUA, NEW YORK				
SCALE: 1" = 20'	MAY 2007	RS-9		

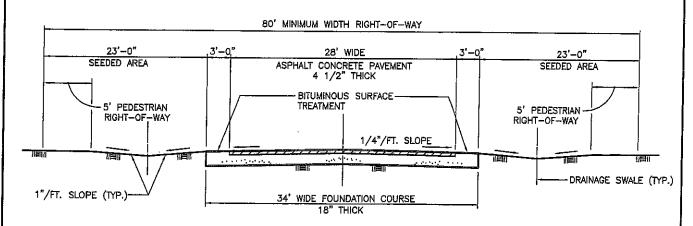




#### LOCAL RESIDENTIAL STREET



#### COLLECTOR STREET



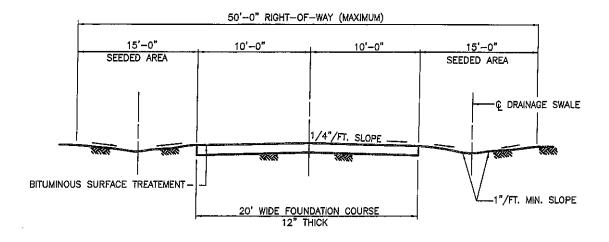
### PRIMARY OR MAJOR THOROUGHFARE

(INCLUDING ALL STREETS SERVING COMMERCIAL AND INDUSTRIAL SUBDIVISIONS)

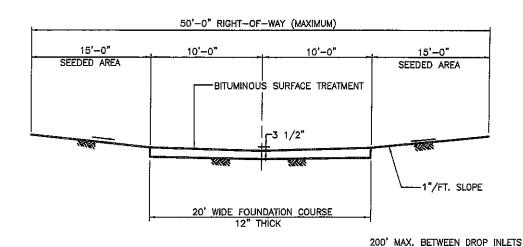
## TYPICAL ROAD SECTIONS ALTERNATE B

SNIEDZE ASSOCIATES, CONSULTING ENGINEERS CANANDAIGUA, NEW YORK

NOT TO SCALE MAY 2007 RS-11

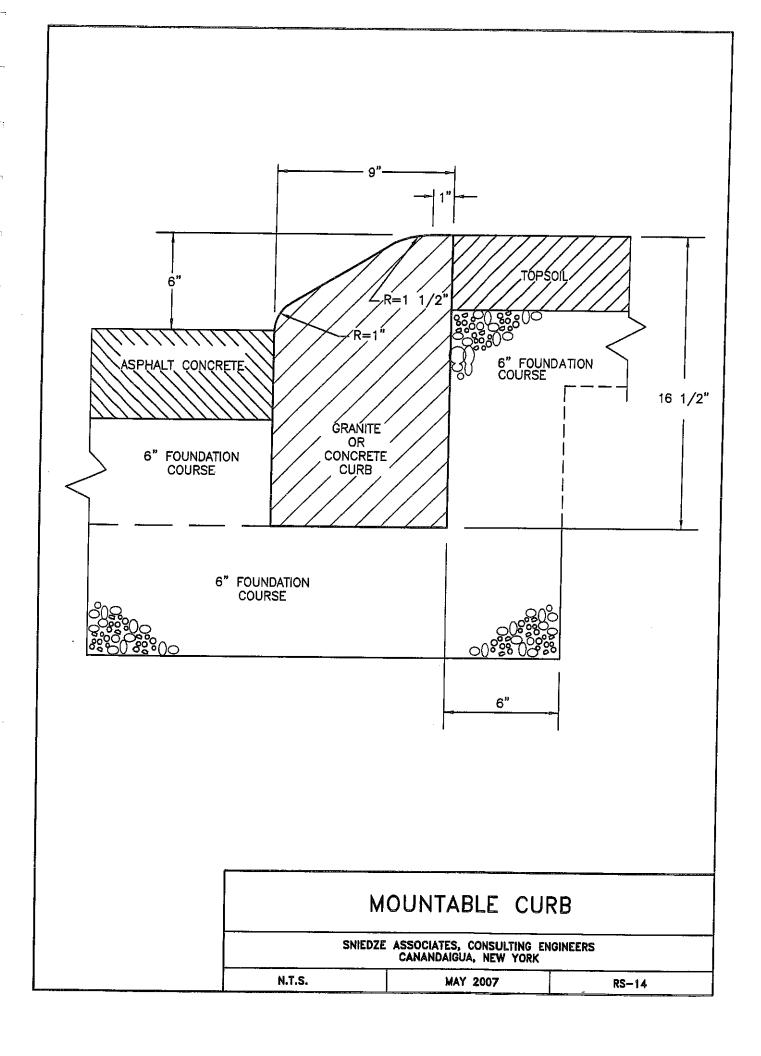


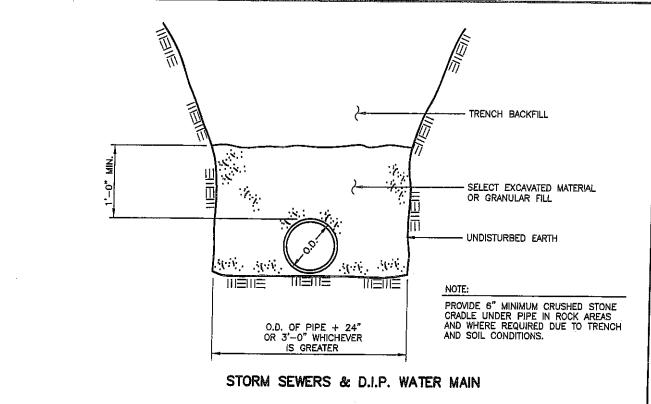
**CROWNED ROADWAY** 

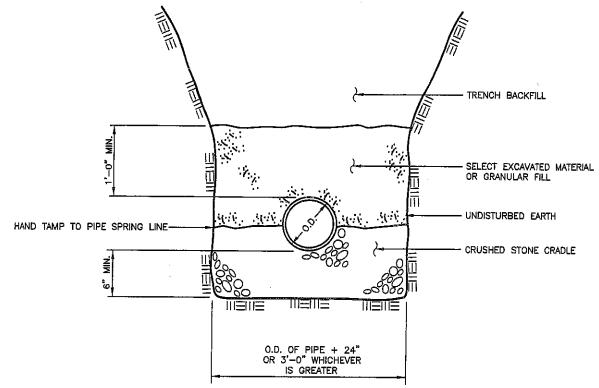


**DEPRESSED ROADWAY** 

PRIVATE ROAD DETAILS				
SNIEDZE ASSOCIATES, CONSULTING ENGINEERS CANANDAIGUA, NEW YORK				
NOT TO SCALE	MAY 2007	R\$-12		

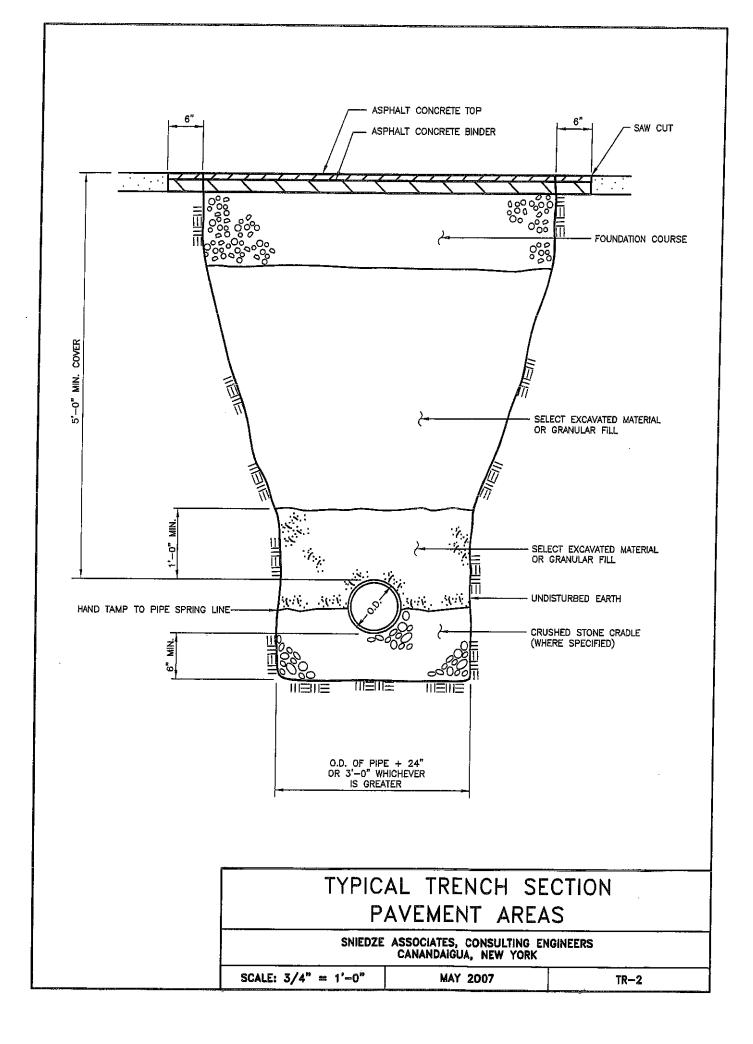


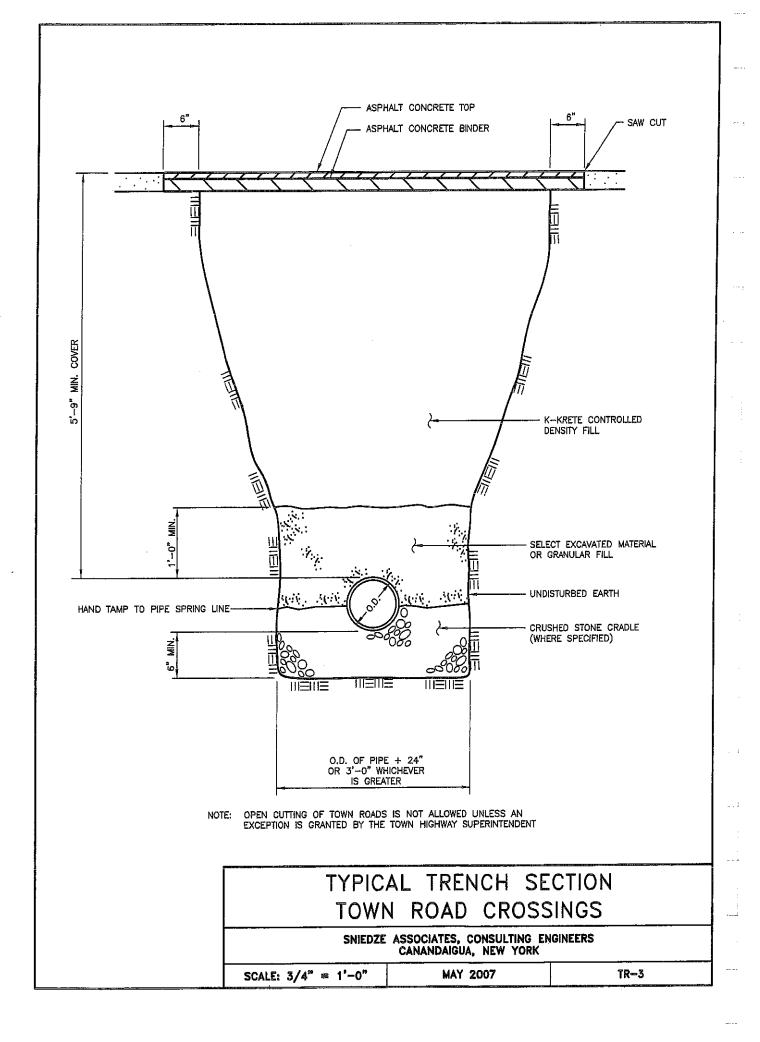


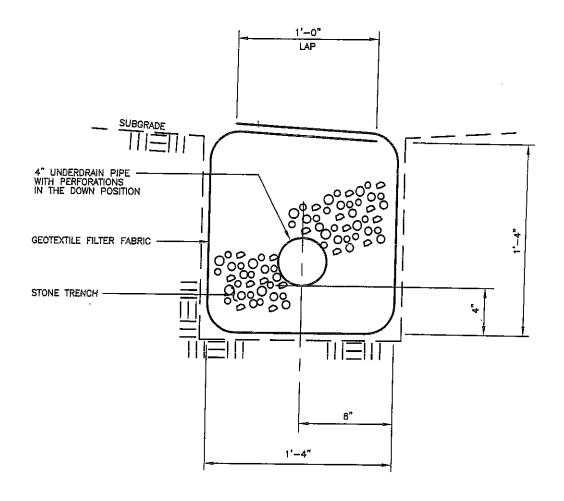


PVC WATER MAIN & SANITARY SEWERS

PIPE	BEDDING	DETAILS	
SNIEDZE ASSOCIATES, CONSULTING ENGINEERS CANANDAIGUA, NEW YORK			
SCALE: 3/4" = 1'-0"	MAY 2007		TR-1







# SCALE: 1 1/2" = 1'-0" MAY 2007 TR-5

SECTION 5. ACCESS MANAGEMENT