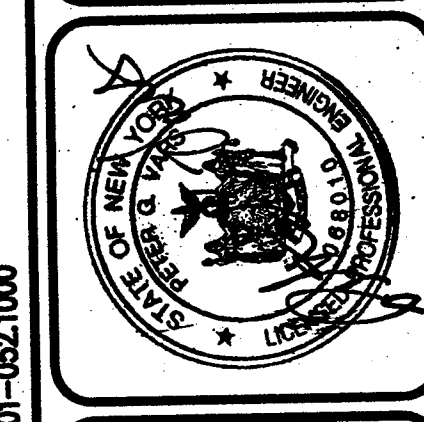


Drawing Attention  
The following is an excerpt from the  
New York State Education Law Article  
143 Section 2208 and applies to this  
drawing:  
"It is a violation of this law for any  
person, unless he is acting under the  
direction of a licensed professional  
engineer or land surveyor to alter any  
plan in any way, if or then having the  
aid of an engineer or land surveyor is  
altered, the altering engineer or land  
surveyor shall affix to the plan his seal  
and the notation, 'altered by' followed  
by his signature and the date of such  
alteration, and a graphic description  
of the alteration."

NO.	DATE	BY
1	2/28/08	LS
2	3/14/08	US
3	2/19/08	TCM
4	2/19/08	TCM
5	2/19/08	TCM
6	2/19/08	TCM
7	2/19/08	TCM

10 LEFT BRIDGE LANE EAST  
PARISH STREET, NEW YORK 14450  
PHONE: 516-377-7309  
FAX: 516-377-7309

**BME ASSOCIATES**  
ENGINEERS, SURVEYORS, PLANNERS  
LANDSCAPE ARCHITECTS



**MILLER PROPERTY**  
TOWN OF CANANDAIGUA ONTARIO COUNTY NEW YORK

PROJECT LOCATION CLIENT  
S & J JOHNSON BUILDERS INC.  
1475 WASH ROAD  
PITTSFORD NY 14854

**EXISTING FEATURES PLAN**  
PRELIMINARY

PROJECT MANAGER	DATE
RS VARS	
PROJECT ENGINEER	DATE
J. SWEENEY	
DRAWN BY	DATE
RT DESIRO	
SCALE	DATE ISSUED
1"=100'	JUNE 2008
PROJECT NO.	2191
DRAWING NO.	02

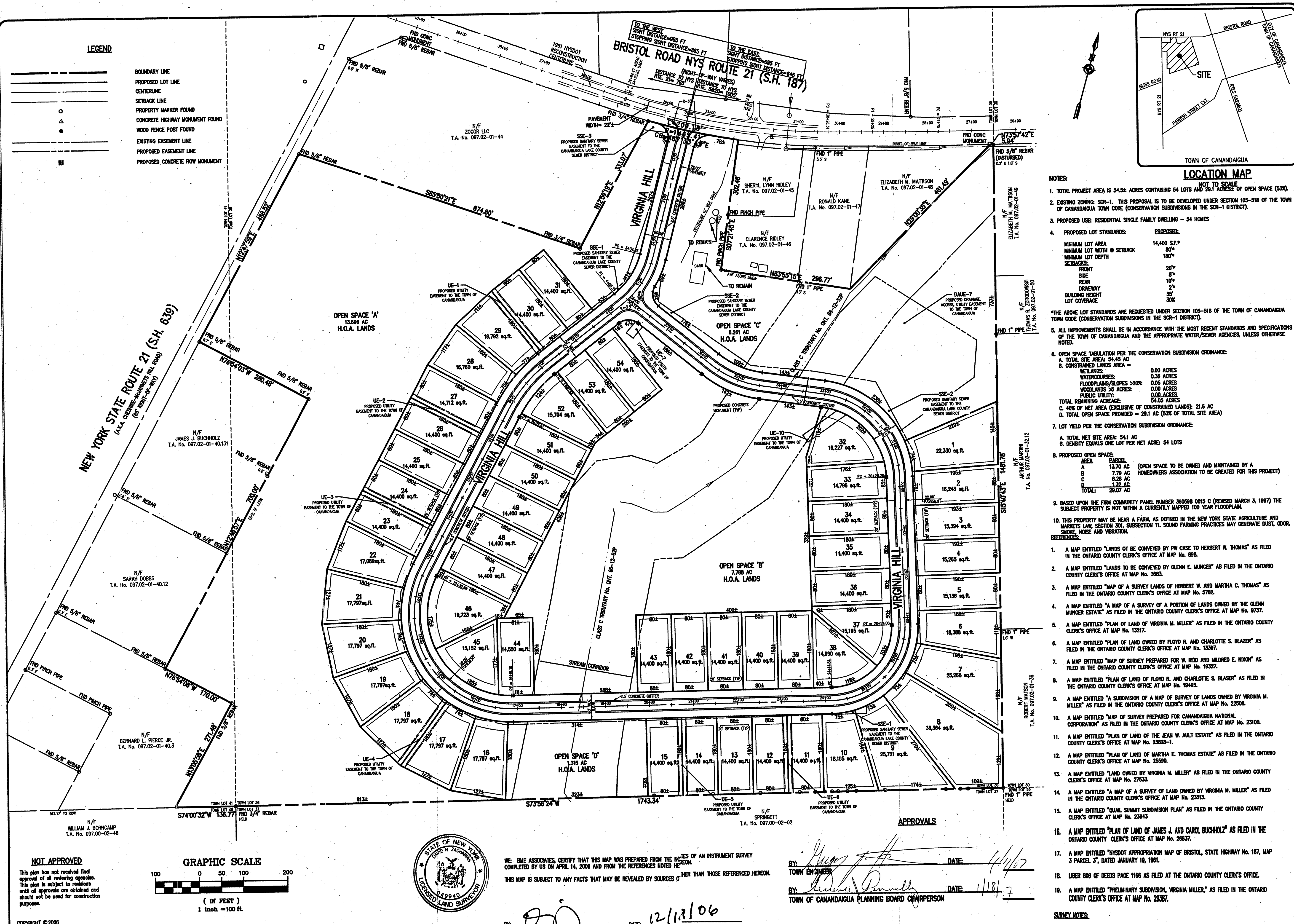
APPROVALS

BY: *[Signature]* DATE: 1/14/07  
TOWN ENGINEER

BY: *[Signature]* DATE: 1/18/07  
TOWN OF CANANDAIGUA PLANNING BOARD CHAIRPERSON

**NOT APPROVED**  
This plan has not received final  
approval of all reviewing agencies.  
This plan is subject to revisions  
until all approvals are obtained and  
should not be used for construction  
purposes.





- LEGEND**
- BOUNDARY LINE
  - PROPOSED LOT LINE
  - CENTERLINE
  - SETBACK LINE
  - PROPERTY MARKER FOUND
  - CONCRETE HIGHWAY MONUMENT FOUND
  - WOOD FENCE POST FOUND
  - EXISTING EASEMENT LINE
  - PROPOSED EASEMENT LINE
  - PROPOSED CONCRETE ROW MONUMENT

**NOT APPROVED**

This plan has not received final approval of all reviewing agencies. This plan is subject to revisions until all approvals are obtained and should not be used for construction purposes.

**GRAPHIC SCALE**

100 0 50 100 200

(IN FEET)

1 inch = 100 ft



WE, BME ASSOCIATES, CERTIFY THAT THIS MAP WAS PREPARED FOR THE PURPOSES OF AN INSTRUMENT SURVEY COMPLETED BY US ON APRIL 14, 2006 AND FROM THE REFERENCES NOTED HEREON.

THIS MAP IS SUBJECT TO ANY FACTS THAT MAY BE REVEALED BY SOURCES OTHER THAN THOSE REFERENCED HEREON.

BY: *[Signature]* DATE: 12/18/06

DAVID N. ZACHARIA, NYSPLS NO. 49940

**APPROVALS**

BY: *[Signature]* DATE: 4/1/07

TOWN ENGINEER

BY: *[Signature]* DATE: 1/18/07

TOWN OF CANANDAIGUA PLANNING BOARD CHAIRPERSON

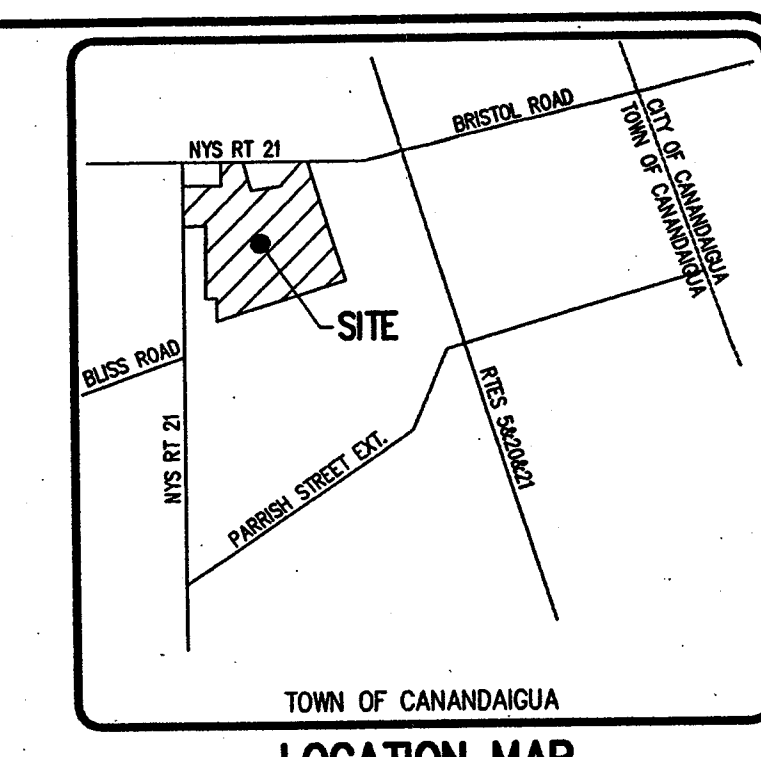
- NOTES:**
- TOTAL PROJECT AREA IS 54.5± ACRES CONTAINING 54 LOTS AND 2.1± ACRES OF OPEN SPACE (53%).
  - EXISTING ZONING: SCR-1. THIS PROPOSAL IS TO BE DEVELOPED UNDER SECTION 105-518 OF THE TOWN OF CANANDAIGUA TOWN CODE (CONSERVATION SUBDIVISIONS IN THE SCR-1 DISTRICT).
  - PROPOSED USE: RESIDENTIAL SINGLE FAMILY DWELLING - 54 HOMES
  - PROPOSED LOT STANDARDS:

PROPOSED	PROPOSED
MINIMUM LOT AREA	14,400 S.F.
MINIMUM LOT WIDTH @ SETBACK	80'
MINIMUM LOT DEPTH	180'
FRONT SETBACK	20'
REAR SETBACK	8'
DRIVEWAY BUILDING HEIGHT	10'
LOT COVERAGE	25%
  - THE ABOVE LOT STANDARDS ARE REQUESTED UNDER SECTION 105-518 OF THE TOWN OF CANANDAIGUA TOWN CODE (CONSERVATION SUBDIVISIONS IN THE SCR-1 DISTRICT).
  - ALL IMPROVEMENTS SHALL BE IN ACCORDANCE WITH THE MOST RECENT STANDARDS AND SPECIFICATIONS OF THE TOWN OF CANANDAIGUA AND THE APPROPRIATE WATER/SEWER AGENCIES, UNLESS OTHERWISE NOTED.
  - OPEN SPACE TABULATION PER THE CONSERVATION SUBDIVISION ORDINANCE:

ITEM	AREA
A. TOTAL SITE AREA	54.48 AC
B. CONSERVED LANDS AREA	2.1 AC
C. WETLANDS	0.00 ACRES
D. WATERSHEDS	0.00 ACRES
E. FLOODPLAIN/SCLOPS >20%	0.00 ACRES
F. WOODLANDS >5 ACRES	0.00 ACRES
G. PUBLIC UTILITY	0.00 ACRES
H. TOTAL REMAINING ACRES	52.38 ACRES
I. 40% OF NET AREA (EXCLUSIVE OF CONSERVED LANDS)	21.6 AC
J. TOTAL OPEN SPACE PROVIDED	23.1 AC (53% OF TOTAL SITE AREA)
  - LOT YIELD PER THE CONSERVATION SUBDIVISION ORDINANCE:

ITEM	AREA
A. TOTAL NET SITE AREA	54.1 AC
B. DENSITY EQUALS ONE LOT PER NET ACRE	54 LOTS
  - PROPOSED OPEN SPACE:

ITEM	AREA
A. TOTAL	23.1 AC
B. OPEN SPACE TO BE OWNED AND MAINTAINED BY A HOMEOWNERS ASSOCIATION TO BE CREATED FOR THIS PROJECT	23.1 AC
  - BASED UPON THE FIRM COMMUNITY PANEL NUMBER 300589 0015 C (REVISED MARCH 3, 1997) THE SUBJECT PROPERTY IS NOT WITHIN A CURRENTLY MAPPED 100 YEAR FLOODPLAIN.
  - THIS PROPERTY MAY BE NEAR A FARM, AS DEFINED IN THE NEW YORK STATE AGRICULTURE AND MARKETS LAW, SECTION 301, SUBSECTION 11. SOUND FARMING PRACTICES MAY GENERATE DUST, ODOR, SMOKE, NOISE AND VIBRATION.



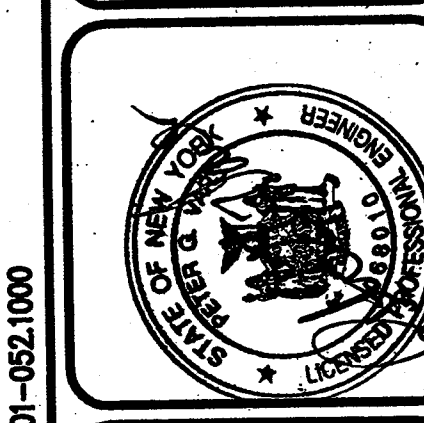
**REVISIONS**

NO.	DATE	DESCRIPTION
1	12/18/06	ADDED LOT 54
2	12/18/06	ADDED LOT 53
3	12/18/06	ADDED LOT 52
4	12/18/06	ADDED LOT 51
5	12/18/06	ADDED LOT 50
6	12/18/06	ADDED LOT 49
7	12/18/06	ADDED LOT 48

**BME ASSOCIATES**

10 LEFT BRIDGE LANE EAST  
FAIRPORT, NEW YORK 14450  
516-377-7200  
FAX 516-377-1000

ENGINEERS, SURVEYORS, PLANNERS  
LANDSCAPE ARCHITECTS



**MILLER PROPERTY**

TOWN OF CANANDAIGUA, ONTARIO COUNTY NEW YORK

PROJECT LOCATION CLIENT

DRAWING TITLE

**SUBDIVISION PLAT**

**PROJECT MANAGER** DATE

PG VARS PROJECT SURVEYOR DATE

ON ZACHARIAS

DRAWN BY DATE

V DREHSEL DATE ISSUED

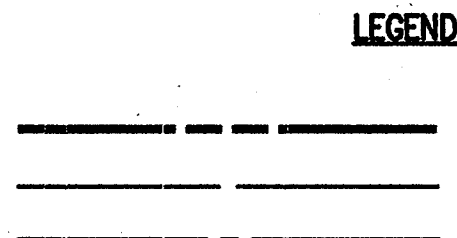
SCALE 1"=100' JUNE 2006

PROJECT NO.

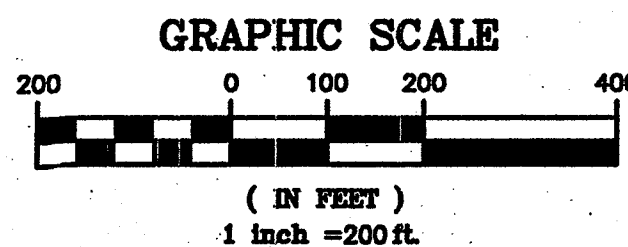
DRAWING NO. 2191

DI 03

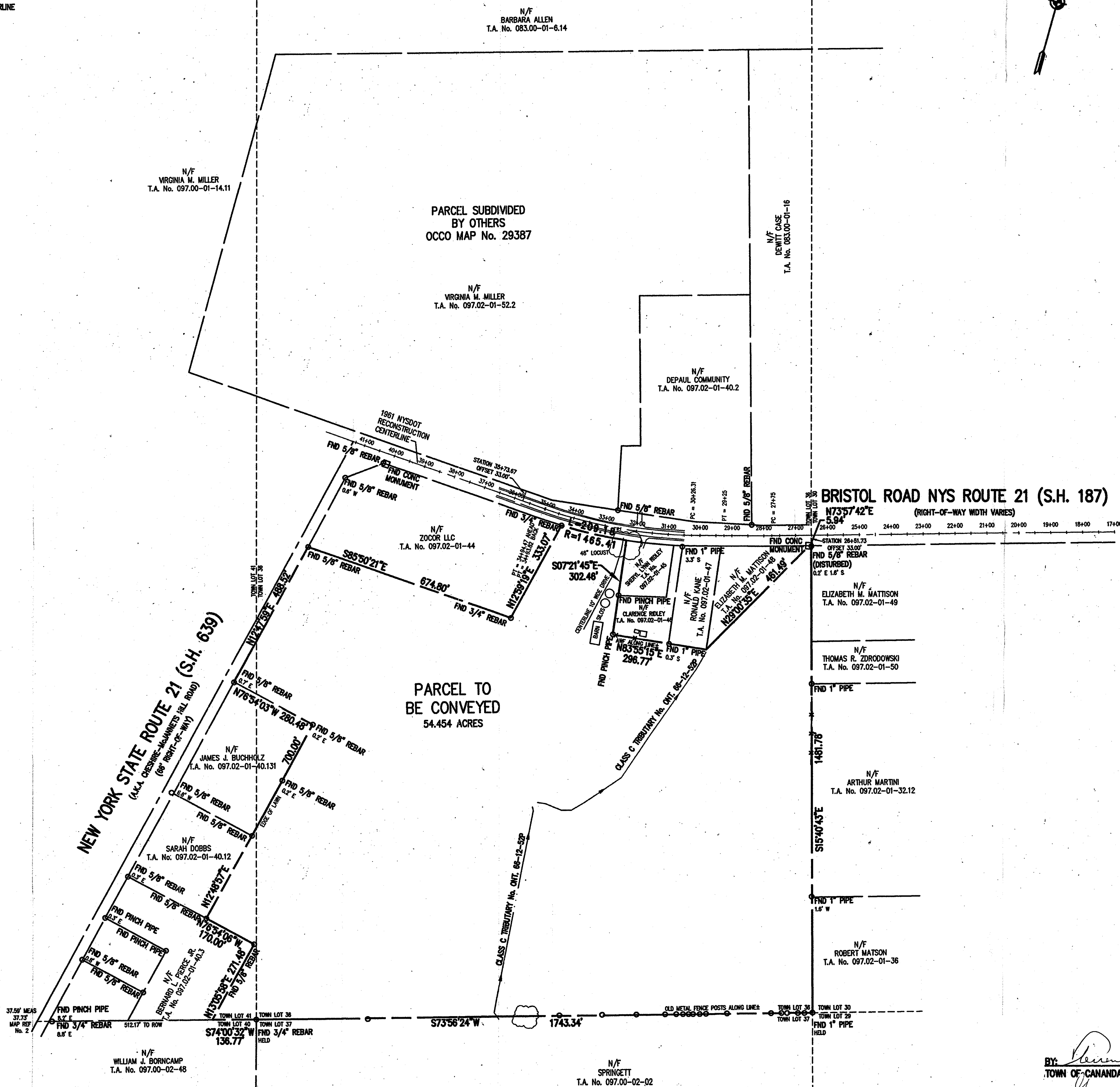




BOUNDARY LINE  
ADJONER LINE  
CENTERLINE



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BME Associates



REFERENCES:

1. A MAP ENTITLED "LANDS TO BE CONVEYED BY PW CASE TO HERBERT W. THOMAS" AS FILED IN THE ONTARIO COUNTY CLERK'S OFFICE AT MAP No. 888.
2. A MAP ENTITLED "LANDS TO BE CONVEYED BY GLENN E. MARGER" AS FILED IN THE ONTARIO COUNTY CLERK'S OFFICE AT MAP No. 3883.
3. A MAP ENTITLED "MAP OF A SURVEY LANDS OF HERBERT W. AND MARTHA C. THOMAS" AS FILED IN THE ONTARIO COUNTY CLERK'S OFFICE AT MAP No. 5782.
4. A MAP ENTITLED "A MAP OF A SURVEY OF A PORTION OF LANDS OWNED BY THE GLENN MARGER ESTATE" AS FILED IN THE ONTARIO COUNTY CLERK'S OFFICE AT MAP No. 9737.
5. A MAP ENTITLED "PLAN OF LAND OF VIRGINIA M. MILLER" AS FILED IN THE ONTARIO COUNTY CLERK'S OFFICE AT MAP No. 13217.
6. A MAP ENTITLED "PLAN OF LAND OWNED BY FLOYD R. AND CHARLOTTE S. BLAZER" AS FILED IN THE ONTARIO COUNTY CLERK'S OFFICE AT MAP No. 13397.
7. A MAP ENTITLED "MAP OF SURVEY PREPARED FOR W. REID AND MILDRED E. NIXON" AS FILED IN THE ONTARIO COUNTY CLERK'S OFFICE AT MAP No. 19327.
8. A MAP ENTITLED "PLAN OF LAND OF FLOYD R. AND CHARLOTTE S. BLASER" AS FILED IN THE ONTARIO COUNTY CLERK'S OFFICE AT MAP No. 19495.
9. A MAP ENTITLED "A SUBDIVISION OF A MAP OF SURVEY OF LANDS OWNED BY VIRGINIA M. MILLER" AS FILED IN THE ONTARIO COUNTY CLERK'S OFFICE AT MAP No. 22508.
10. A MAP ENTITLED "MAP OF SURVEY PREPARED FOR CANANDAIGUA NATIONAL CORPORATION" AS FILED IN THE ONTARIO COUNTY CLERK'S OFFICE AT MAP No. 23100.
11. A MAP ENTITLED "PLAN OF LAND OF THE JEAN W. AULT ESTATE" AS FILED IN THE ONTARIO COUNTY CLERK'S OFFICE AT MAP No. 23828-1.
12. A MAP ENTITLED "PLAN OF LAND OF MARTHA E. THOMAS ESTATE" AS FILED IN THE ONTARIO COUNTY CLERK'S OFFICE AT MAP No. 25580.
13. A MAP ENTITLED "LAND OWNED BY VIRGINIA M. MILLER" AS FILED IN THE ONTARIO COUNTY CLERK'S OFFICE AT MAP No. 27533.
14. A MAP ENTITLED "A MAP OF A SURVEY OF LAND OWNED BY VIRGINIA M. MILLER" AS FILED IN THE ONTARIO COUNTY CLERK'S OFFICE AT MAP No. 23513.
15. A MAP ENTITLED "QUAL SUMMIT SUBDIVISION PLAN" AS FILED IN THE ONTARIO COUNTY CLERK'S OFFICE AT MAP No. 23943.
16. A MAP ENTITLED "PLAN OF LAND OF JAMES J. AND CAROL BUCHHOLZ" AS FILED IN THE ONTARIO COUNTY CLERK'S OFFICE AT MAP No. 28637.
17. A MAP ENTITLED "NYSOT APPROPRIATION MAP OF BRISTOL, STATE HIGHWAY No. 187, MAP 3 PARCEL 3", DATED JANUARY 19, 1961.
18. LIBER 806 OF DEEDS PAGE 1166 AS FILED AT THE ONTARIO COUNTY CLERK'S OFFICE.
19. A MAP ENTITLED "PRELIMINARY SUBDIVISION, VIRGINIA MILLER" AS FILED IN THE ONTARIO COUNTY CLERK'S OFFICE AT MAP No. 28387.

SURVEY NOTES:

1. THE BEARING BASE AS SHOWN HEREON WAS TAKEN FROM THE PLAN NOTED IN REFERENCE No. 15.

WE, BME ASSOCIATES, CERTIFY THAT THIS MAP WAS PREPARED FROM THE NOTES OF AN INSTRUMENT SURVEY COMPLETED BY US ON APRIL 14, 2006 AND FROM THE REFERENCES NOTED HEREON.

THIS MAP IS SUBJECT TO ANY FACTS THAT MAY BE REVEALED BY SOURCES OTHER THAN THOSE REFERENCED HEREON.

BY: *[Signature]* DATE: 12/21/06  
DAVID N. ZIMMERMAN, NYS ELS NO. 49940

APPROVALS

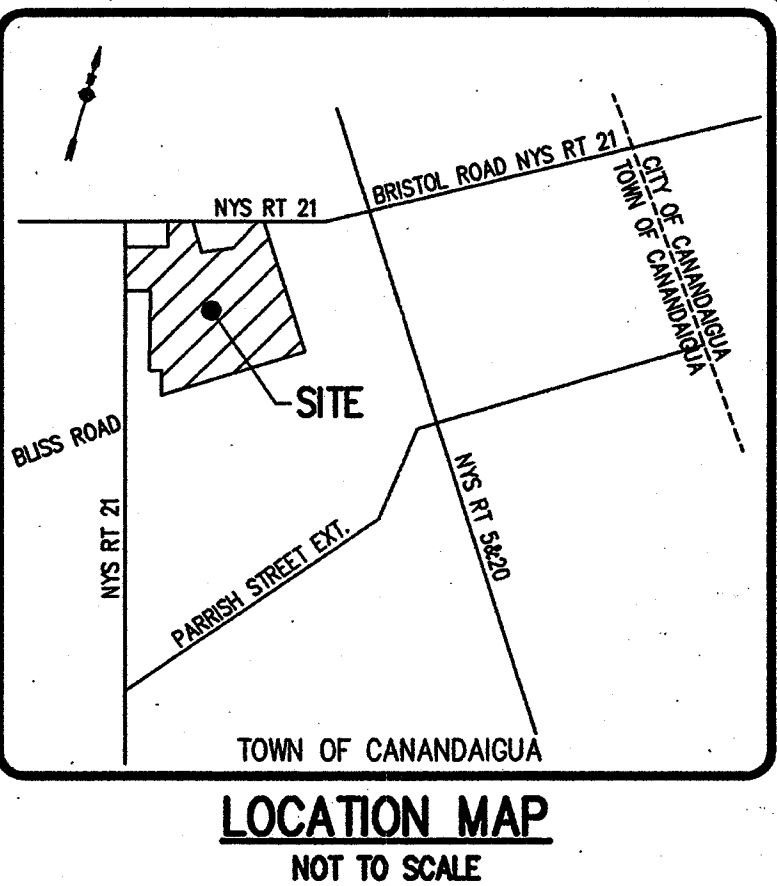
BY: *[Signature]* DATE: 11/18/07  
TOWN OF CANANDAIGUA PLANNING BOARD CHAIRPERSON

BY: *[Signature]* DATE: 11/16/07  
TOWN ENGINEER

BY: *[Signature]* DATE: 11/17/07  
TOWN OF CANANDAIGUA HIGHWAY SUPERINTENDENT

NOT APPROVED

This plan has not received final approval of all reviewing agencies. This plan is subject to revisions until all approvals are obtained and should not be used for construction purposes.



Drawing Attention

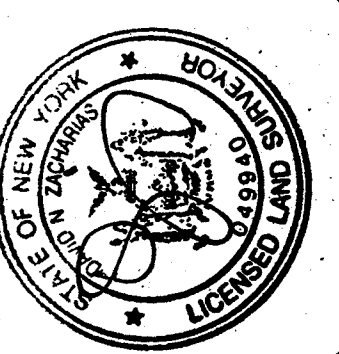
The following is an excerpt from the New York State Education Law Article 145 Section 2309 and applies to this drawing:

"It is a violation of this law for any person, unless he is acting under the direction of a licensed professional engineer or land surveyor to alter any item in any way, if on plans bearing the seal of an engineer or land surveyor that are filed in the files of the state and the notation 'attested by' followed by the signature and the date of such attestation, and a specific description of the alteration."

REVISIONS	DATE	BY
7		
6		
5		
4		
3		
2	REVISED AND SUBMITTED TO THE TOWN DATA	12/21/06 CHD
1	REVISED TAX ACCOUNT NUMBER AND ADDED REFERENCE No. 19	12/21/06 KAW

10 LEFT BRIDGE LINE EAST  
TOWN OF CANANDAIGUA  
NYS RT 1450  
585-377-7500  
FAX 585-377-7309

**BME ASSOCIATES**  
ENGINEERS, SURVEYORS, PLANNERS  
LANDSCAPE ARCHITECTS



**MILLER PROPERTY**  
TOWN OF CANANDAIGUA UNITED COUNTY NEW YORK  
S & J MURPHY BUILDERS INC.  
PITTSFORD, NY 14854

**MAP SHOWING REMAINING LANDS OF VIRGINIA MILLER**

PROJECT: LOCATION: CLIENT:

PROJECT MANAGER	DATE
PG VARS	
PROJECT SURVEYOR	
IN ZACARIAS	
DRAWN BY	DATE
REUEL	
DATE ISSUED	
JUNE 2006	
PROJECT NO.	
PROJ.	2191
WING NO.	04
DRAWN	

PITTSFORD AND GORHAM PURCHASE, TOWNSHIP 9, RANGE 3, TOWN LOT 36 TAX ACCOUNT NUMBER 097.0002-01-082.000





THE UNIVERSITY OF CHICAGO PRESS

MILLER PAPER CO.

[illegible]

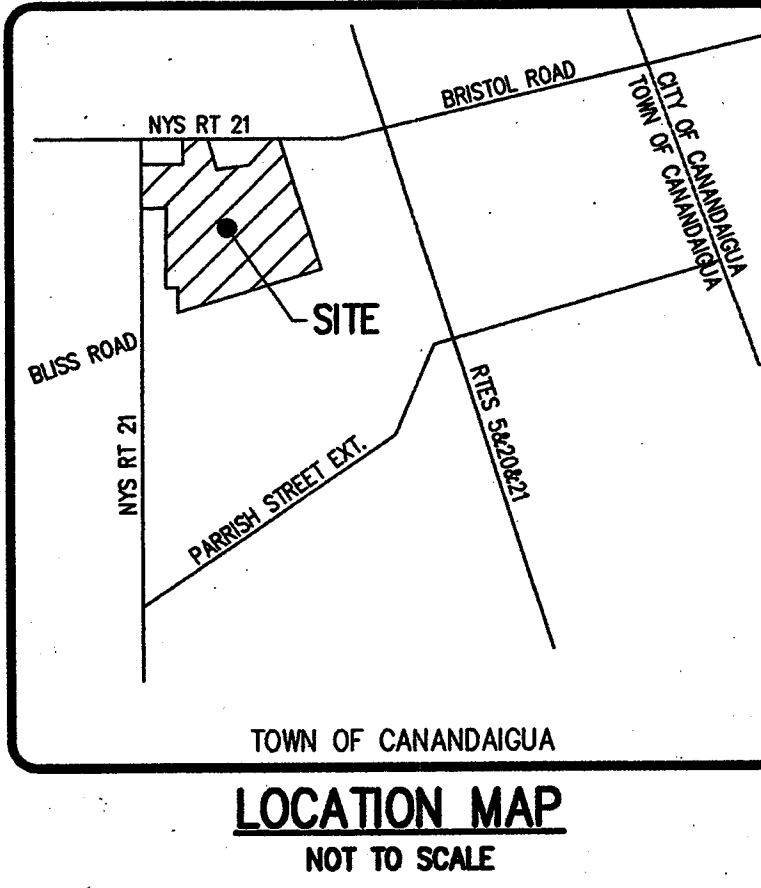
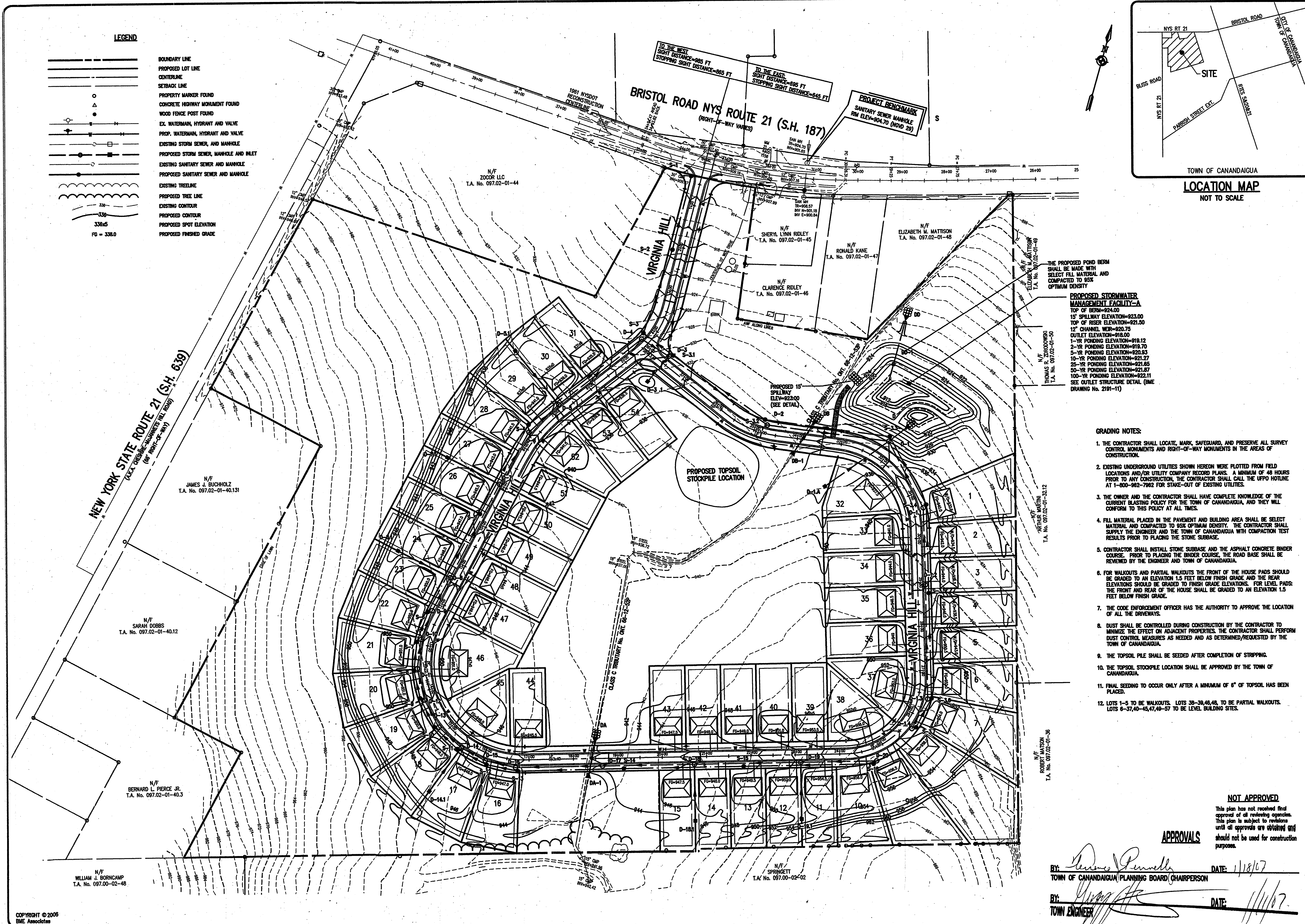
1978 MARSH ROAD  
PITTSFORD N.Y 14534

DATE	ISSUE	DATE	DRAWING TITLE
06			UTILITY PLAN

100

[illegible]





GRADING NOTES:

1. THE CONTRACTOR SHALL LOCATE, MARK, SAFEGUARD, AND PRESERVE ALL SURVEY CONTROL MONUMENTS AND RIGHT-OF-WAY MONUMENTS IN THE AREAS OF CONSTRUCTION.
2. EXISTING UNDERGROUND UTILITIES SHOWN HEREON WERE PLOTTED FROM FIELD LOCATIONS AND/OR UTILITY COMPANY RECORD PLANS. A MINIMUM OF 48 HOURS PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHALL CALL THE UPPO HOTLINE AT 1-800-862-7862 FOR STAKE-OUT OF EXISTING UTILITIES.
3. THE OWNER AND THE CONTRACTOR SHALL HAVE COMPLETE KNOWLEDGE OF THE CURRENT BLASTING POLICY FOR THE TOWN OF CANANDAIGUA, AND THEY WILL CONFORM TO THIS POLICY AT ALL TIMES.
4. FILL MATERIAL PLACED IN THE PAVEMENT AND BUILDING AREA SHALL BE SELECT MATERIAL AND COMPACTED TO 95% OPTIMUM DENSITY. THE CONTRACTOR SHALL SUPPLY THE ENGINEER AND THE TOWN OF CANANDAIGUA WITH COMPACTION TEST RESULTS PRIOR TO PLACING THE STONE SUBBASE.
5. CONTRACTOR SHALL INSTALL STONE SUBBASE AND THE ASPHALT CONCRETE BINDER COURSE. PRIOR TO PLACING THE BINDER COURSE, THE ROAD BASE SHALL BE REVIEWED BY THE ENGINEER AND TOWN OF CANANDAIGUA.
6. FOR WALKOUTS AND PARTIAL WALKOUTS THE FRONT OF THE HOUSE PADS SHOULD BE GRADED TO AN ELEVATION 1.5 FEET BELOW FINISH GRADE, AND THE REAR ELEVATIONS SHOULD BE GRADED TO FINISH GRADE ELEVATIONS. FOR LEVEL PADS: THE FRONT AND REAR OF THE HOUSE SHALL BE GRADED TO AN ELEVATION 1.5 FEET BELOW FINISH GRADE.
7. THE CODE ENFORCEMENT OFFICER HAS THE AUTHORITY TO APPROVE THE LOCATION OF ALL THE DRIVEWAYS.
8. DUST SHALL BE CONTROLLED DURING CONSTRUCTION BY THE CONTRACTOR TO MINIMIZE THE EFFECT ON ADJACENT PROPERTIES. THE CONTRACTOR SHALL PERFORM DUST CONTROL MEASURES AS NEEDED AND AS DETERMINED/REQUESTED BY THE TOWN OF CANANDAIGUA.
9. THE TOPSOIL PILE SHALL BE SEEDING AFTER COMPLETION OF STOPPING.
10. THE TOPSOIL STOCKPILE LOCATION SHALL BE APPROVED BY THE TOWN OF CANANDAIGUA.
11. FINAL SEEDING TO OCCUR ONLY AFTER A MINIMUM OF 6" OF TOPSOIL HAS BEEN PLACED.
12. LOTS 1-5 TO BE WALKOUTS. LOTS 38-39, 46, 48, TO BE PARTIAL WALKOUTS. LOTS 6-37, 40-45, 47, 49-57 TO BE LEVEL BUILDING SITES.

NOT APPROVED

This plan has not received final approval of all reviewing agencies. This plan is subject to revision until all approvals are obtained and should not be used for construction purposes.

APPROVALS

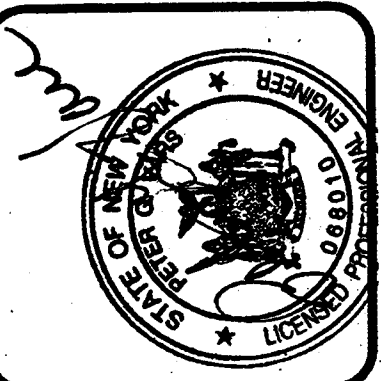
BY: *[Signature]* DATE: 1/18/07  
TOWN OF CANANDAIGUA PLANNING BOARD (CHAIRPERSON)  
BY: *[Signature]* DATE: 1/18/07  
TOWN ENGINEER

Drawing Attention  
The following is an extract from the New York State Education Law Article 140 Section 7205 and applies to this drawing:  
"It is a violation of this law for any person, unless he is acting under the direction of a licensed professional engineer or land surveyor to draw any plan in any way if he has bearing the seal of an engineer or land surveyor is affixed, the drawing engineer or land surveyor shall effect to the plan his seal and the notation 'Designed by' followed by his signature and the date of such drawing, and a specific description of the alteration."

NO.	REVISIONS	DATE	BY
7			
6			
5			
4	REVISED PER AGENT COMMENTS	12/15/06	JS
3	REVISED PER AGENT COMMENTS	01/19/07	JS
2	REVISED PER AGENT COMMENTS	01/19/07	JS
1	REVISED PER AGENT COMMENTS	01/19/07	JS

10 LET BRIDGE LANE EAST  
FAIRPORT, NEW YORK 14450  
585-377-7280  
FAX 585-377-7289

**BME ASSOCIATES**  
ENGINEERS, SURVEYORS, PLANNERS  
LANDSCAPE ARCHITECTS



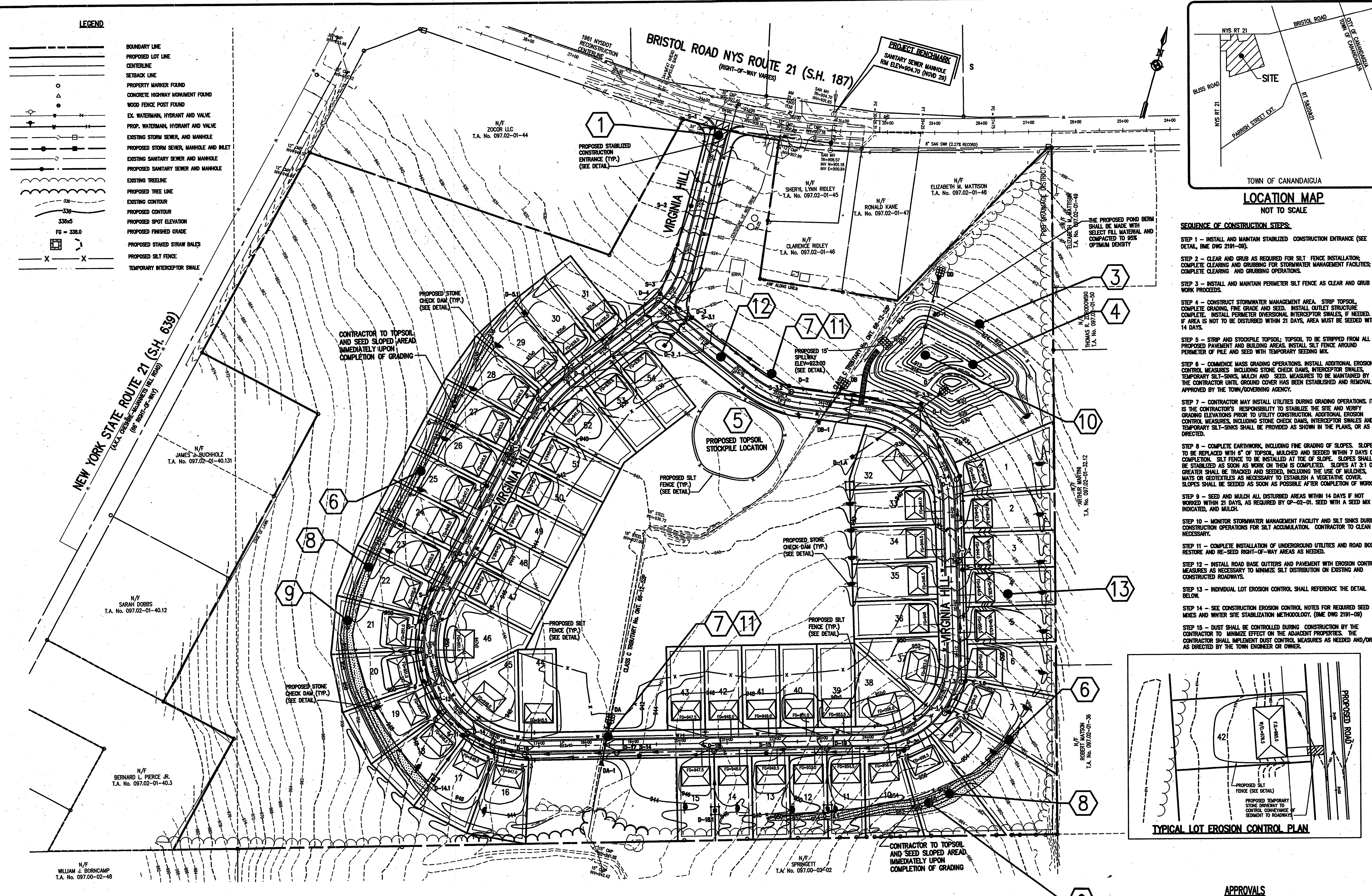
**MILLER PROPERTY**  
TOWN OF CANANDAIGUA, ONTARIO COUNTY NEW YORK

**PRELIMINARY GRADING PLAN**

PROJECT LOCATION CLIENT DRAWING TITLE

PROJECT	LOCATION	CLIENT	DRAWING TITLE
PROJECT MANAGER			DATE
PG VARS			
PROJECT ENGINEER			
J. SHERROCK			
DRAWN BY		DATE	
JS			
JF SHEL		DATE ISSUED	
SCALE		JUNE 2006	
1"=100'		NO.	
PROJECT		2191	
		NO.	
		06	
DRAWING			





SEE BME DRAWING NUMBER 2191-09 FOR CONSTRUCTION EROSION CONTROL NOTES

NOT APPROVED

NOTE: PHASED CONSTRUCTION EROSION CONTROL PLAN, FOLLOWING THESE STEPS, WILL BE PREPARED FOR EACH INDIVIDUAL SECTION AT THE TIME OF FINAL DESIGN PREPARATION.

APPROVALS

BY: *[Signature]* DATE: 11/18/07

TOWN OF CANANDAIGUA PLANNING BOARD CHAIRPERSON

BY: *[Signature]* DATE: 11/18/07

TOWN ENGINEER

**LEGEND**

BOUNDARY LINE  
PROPOSED LOT LINE  
CENTERLINE  
SETBACK LINE  
PROPERTY MARKER FOUND  
CONCRETE HIGHWAY MONUMENT FOUND  
WOOD FENCE POST FOUND  
EX. WATERMAIN, HYDRANT AND VALVE  
PROP. WATERMAIN, HYDRANT AND VALVE  
EXISTING STORM SEWER, AND MANHOLE  
PROPOSED STORM SEWER, MANHOLE AND INLET  
EXISTING SANITARY SEWER AND MANHOLE  
PROPOSED SANITARY SEWER AND MANHOLE  
EXISTING TREELINE  
PROPOSED TREE LINE  
EXISTING CONTOUR  
PROPOSED CONTOUR  
PROPOSED SPOT ELEVATION  
PROPOSED FINISHED GRADE  
PROPOSED STAKED STRAW BALES  
PROPOSED SILT FENCE  
TEMPORARY INTERCEPTOR SWALE

**LOCATION MAP**  
NOT TO SCALE

**SEQUENCE OF CONSTRUCTION STEPS:**

STEP 1 - INSTALL AND MAINTAIN STABILIZED CONSTRUCTION ENTRANCE (SEE DETAIL, BME DWG 2191-09).

STEP 2 - CLEAR AND GRUB AS REQUIRED FOR SILT FENCE INSTALLATION; COMPLETE CLEARING AND GRUBBING FOR STORMWATER MANAGEMENT FACILITIES; COMPLETE CLEARING AND GRUBBING OPERATIONS.

STEP 3 - INSTALL AND MAINTAIN PERIMETER SILT FENCE AS CLEAR AND GRUB WORK PROCEEDS.

STEP 4 - CONSTRUCT STORMWATER MANAGEMENT AREA. STRIP TOPSOIL, COMPLETE GRADING, FINE GRADE AND SEED. INSTALL OUTLET STRUCTURE COMPLETE. INSTALL PERIMETER INTERCEPTOR SWALES, IF NEEDED. IF AREA IS NOT TO BE DISTURBED WITHIN 21 DAYS, AREA MUST BE SEED WITHIN 14 DAYS.

STEP 5 - STRIP AND STOCKPILE TOPSOIL; TOPSOIL TO BE STRIPPED FROM ALL PROPOSED PAVEMENT AND BUILDING AREAS. INSTALL SILT FENCE AROUND PERIMETER OF PILE AND SEED WITH TEMPORARY SEEDING MIX.

STEP 6 - COMMENCE MASS GRADING OPERATIONS. INSTALL ADDITIONAL EROSION CONTROL MEASURES, INCLUDING STONE CHECK DAMS, INTERCEPTOR SWALES, TEMPORARY SILT-SINKS, MULCH AND SEED. MEASURES TO BE MAINTAINED BY THE CONTRACTOR UNTIL GROUND COVER HAS BEEN ESTABLISHED AND REMOVAL IS APPROVED BY THE TOWN ENGINEERING AGENCY.

STEP 7 - CONTRACTOR MAY INSTALL UTILITIES DURING GRADING OPERATIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO STABILIZE THE SITE AND VERIFY GRADING ELEVATIONS PRIOR TO UTILITY CONSTRUCTION. ADDITIONAL EROSION CONTROL MEASURES, INCLUDING STONE CHECK DAMS, INTERCEPTOR SWALES AND TEMPORARY SILT-SINKS SHALL BE PROVIDED AS SHOWN IN THE PLANS, OR AS DIRECTED.

STEP 8 - COMPLETE EARTHWORK, INCLUDING FINE GRADING OF SLOPES. SLOPES TO BE REPLACED WITH 6" OF TOPSOIL, MULCHED AND SEED WITHIN 7 DAYS OF COMPLETION. SILT FENCE TO BE INSTALLED AT TOE OF SLOPE. SLOPES SHALL BE STABILIZED AS SOON AS WORK ON THEM IS COMPLETED. SLOPES AT 3:1 OR GREATER SHALL BE TRACKED AND SEED, INCLUDING THE USE OF MULCHES, MATS OR GEOTEXTILES AS NECESSARY TO ESTABLISH A VEGETATIVE COVER. SLOPES SHALL BE SEED AS SOON AS POSSIBLE AFTER COMPLETION OF WORK.

STEP 9 - SEED AND MULCH ALL DISTURBED AREAS WITHIN 14 DAYS IF NOT WORKED WITHIN 21 DAYS, AS REQUIRED BY GP-02-01. SEED WITH A SEED MIX AS INDICATED, AND MULCH.

STEP 10 - MONITOR STORMWATER MANAGEMENT FACILITY AND SILT SINKS DURING CONSTRUCTION OPERATIONS FOR SILT ACCUMULATION. CONTRACTOR TO CLEAN AS NECESSARY.

STEP 11 - COMPLETE INSTALLATION OF UNDERGROUND UTILITIES AND ROAD BOX. RESTORE AND RE-SEED RIGHT-OF-WAY AREAS AS NEEDED.

STEP 12 - INSTALL ROAD BASE CUTTERS AND PAVEMENT WITH EROSION CONTROL MEASURES AS NECESSARY TO MINIMIZE SILT DISTRIBUTION ON EXISTING AND CONSTRUCTED ROADWAYS.

STEP 13 - INDIVIDUAL LOT EROSION CONTROL SHALL REFERENCE THE DETAIL BELOW.

STEP 14 - SEE CONSTRUCTION EROSION CONTROL NOTES FOR REQUIRED SEED MIXES AND WINTER SITE STABILIZATION METHODOLOGY (BME DWG 2191-09).

STEP 15 - DUST SHALL BE CONTROLLED DURING CONSTRUCTION BY THE CONTRACTOR TO MINIMIZE EFFECT ON THE ADJACENT PROPERTIES. THE CONTRACTOR SHALL IMPLEMENT DUST CONTROL MEASURES AS NEEDED AND/OR AS DIRECTED BY THE TOWN ENGINEER OR OWNER.

**TYPICAL LOT EROSION CONTROL PLAN**

**APPROVALS**

BY: *[Signature]* DATE: 11/18/07

TOWN OF CANANDAIGUA PLANNING BOARD CHAIRPERSON

BY: *[Signature]* DATE: 11/18/07

TOWN ENGINEER

**PROJECT INFORMATION**

PROJECT: MILLER PROPERTY  
LOCATION: TOWN OF CANANDAIGUA, ONTARIO COUNTY, NEW YORK  
CLIENT: S & J HOBELL BUILDERS INC.  
1475 MARSH ROAD  
PITTSFORD, NY 14854  
DRAWING TITLE: CONSTRUCTION EROSION CONTROL PLAN  
DRAWING NO.: 2191  
DATE: 11/18/07

**REVISIONS**

NO.	DATE	REVISIONS
1	11/18/07	REVISED PER PRC COMMENTS
2	11/18/07	REVISED TAX ACCOUNT NUMBER
3	11/18/07	REVISED PER PRC COMMENTS
4	11/18/07	REVISED PER PRC COMMENTS
5	11/18/07	REVISED PER PRC COMMENTS
6	11/18/07	REVISED PER PRC COMMENTS
7	11/18/07	REVISED PER PRC COMMENTS

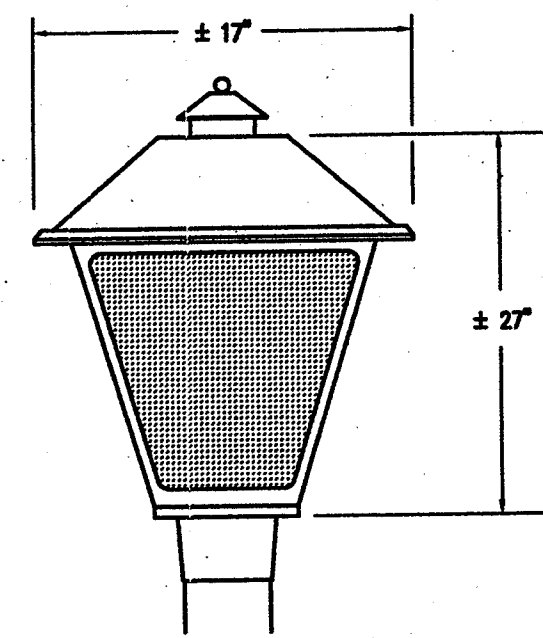
**DESIGNER**  
BME ASSOCIATES  
10 LEFT BRIDGE LANE EAST  
FAIRPORT, NY 14450  
585-377-7260  
FAX 585-377-7309

**ENGINEERS, SURVEYORS, PLANNERS  
LANDSCAPE ARCHITECTS**

**PROFESSIONAL SEAL**

**PROJECT MANAGER** DATE  
J. SNEDBROOK  
PROJECT ENGINEER  
J. SNEDBROOK  
DRAWN BY DATE  
J. SNEDBROOK  
SCALE: 1"=10'  
DATE ISSUED: JUNE 2008  
PROJ. NO. 2191  
V6 NO. 07



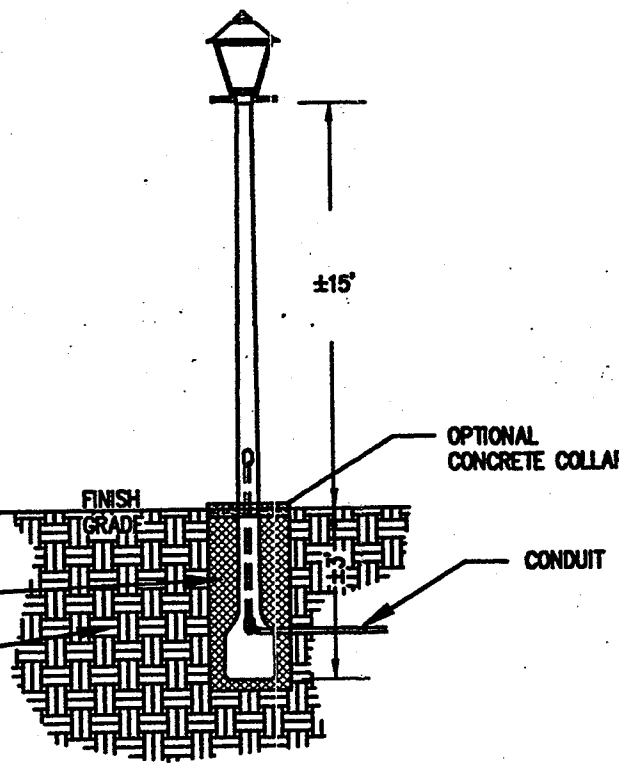


**LIGHT FIXTURE DETAIL**  
N.T.S.

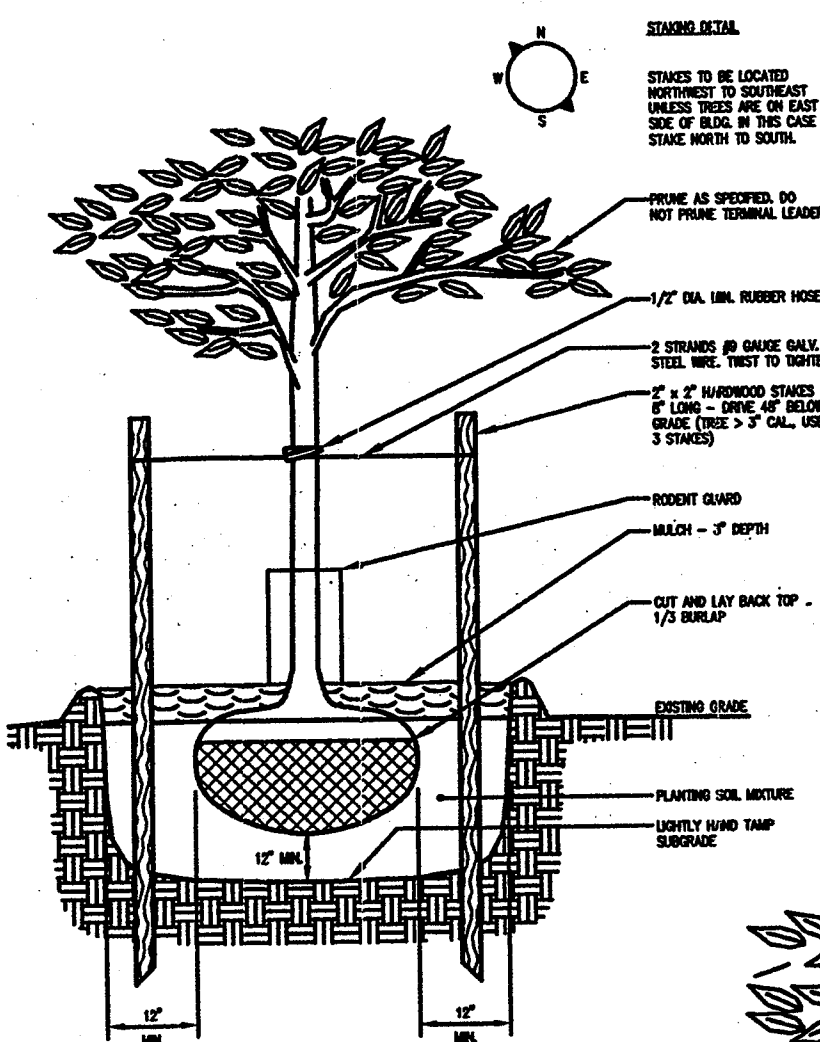
**LIGHTING NOTES:**

1. DECORATIVE POST TOP LUMINAIRE TO BE INSTALLED PER LIGHTING LAYOUT.
2. DECORATIVE POST TOP LUMINAIRE TO BE TRADITIONAL FIXTURE MANUFACTURER # UT015/015/015 BY MORRAN EDISON WITH MATCHING LADDER REST #AT16K
3. POLE TO BE FIBERGLASS DIRECT BURIAL LIGHT POLE MANUFACTURER # BS20-01-NIAA09 BY SHAKESPEARE COMPOSITE POLES OR APPROVED EQUIVALENT

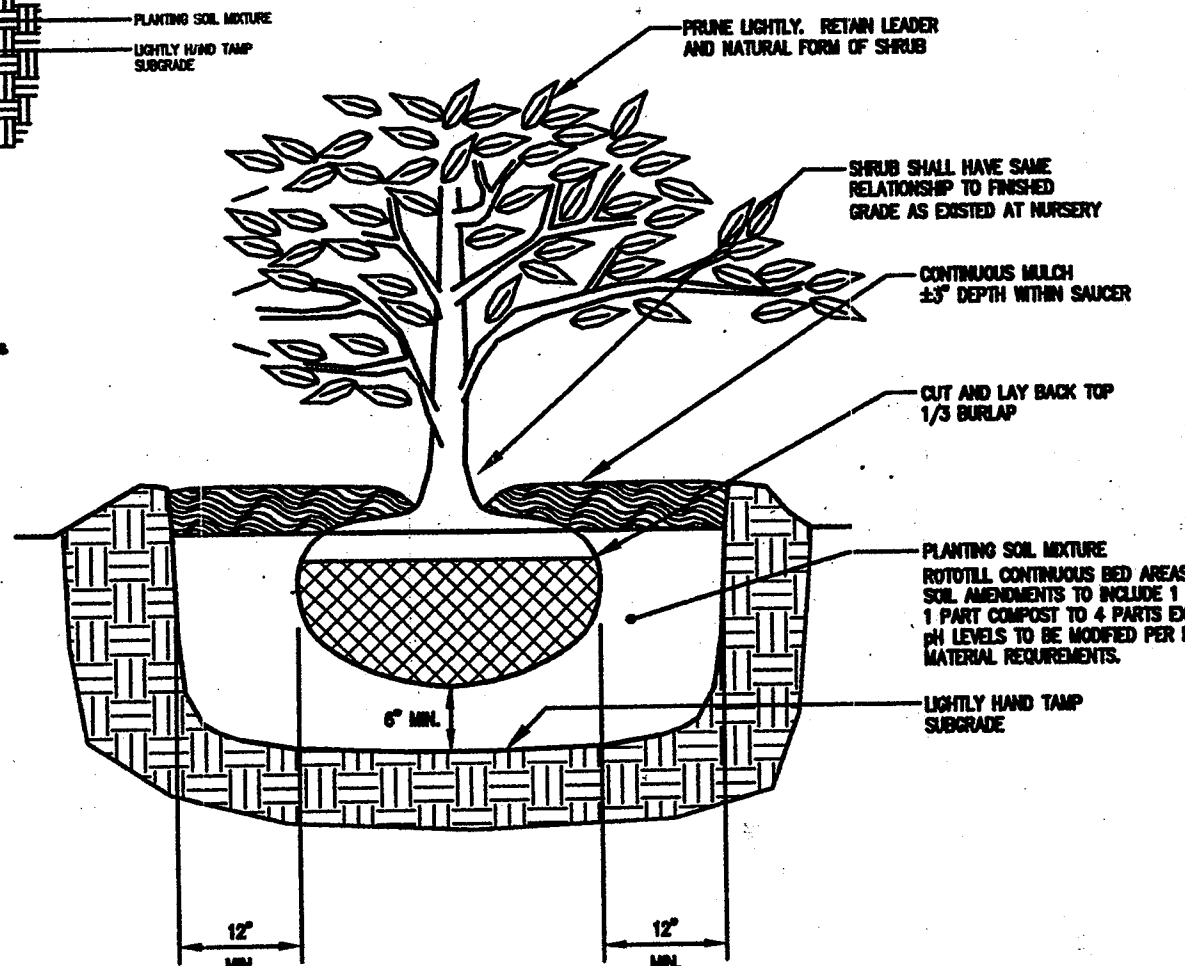
**PHOTOMETRIC :1:01**  
READINGS IN FOOTCANDLES



**DIRECT BURIAL LIGHT POLE DETAIL**  
N.T.S.

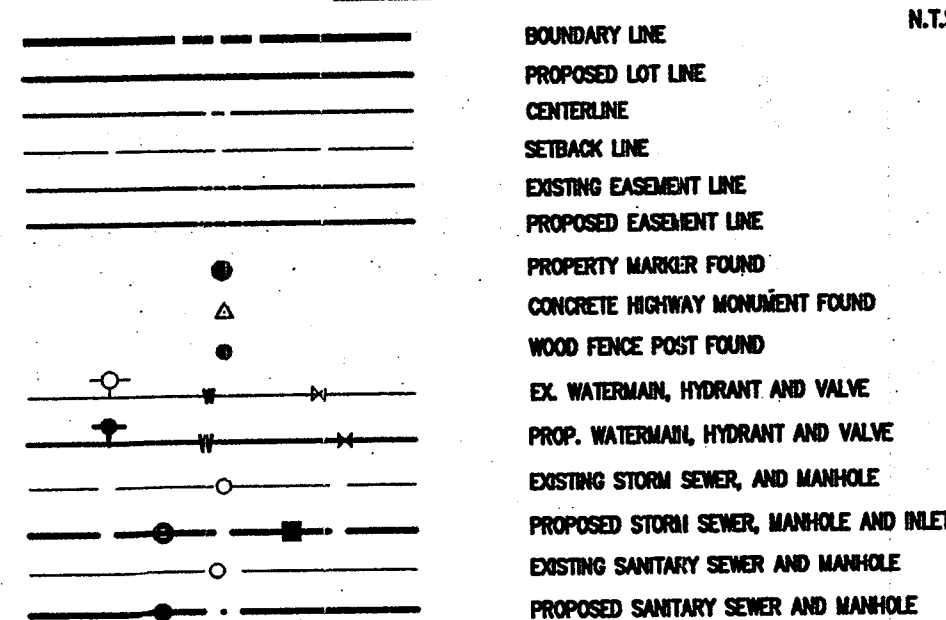


**TREE PLANTING DETAIL**  
N.T.S.



**SHRUB PLANTING DETAIL**  
N.T.S.

**LEGEND**



**NOT APPROVED**

This plan has not received final approval of all reviewing agencies. This plan is subject to revisions until all approvals are obtained and should not be used for construction purposes.

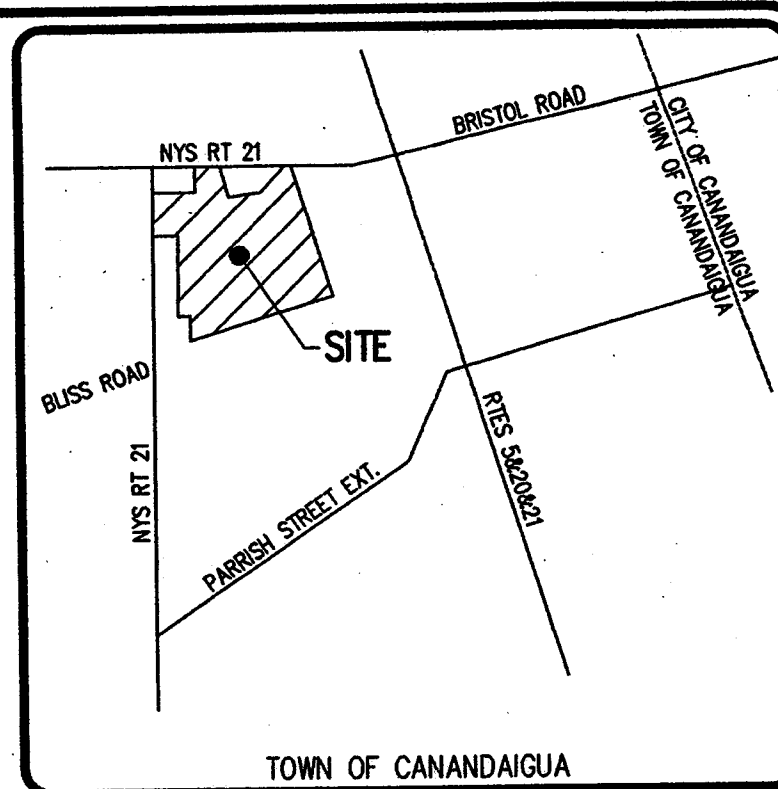
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**PLANT MATERIALS LIST**

QTY.	KEY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	COMMENTS
21	AA	Aronia arbutifolia 'Brilliantissima'	Brilliant Red Chokeberry	18-24"	B.R.	
14	CA	Cornus amomum	Silky Dogwood	18-24"	B.R.	
12	HV	Hamamelis virginiana	Common Witch Hazel	18-24"	B.R.	
14	IV	Ilex verticillata	Common Winterberry	18-24"	B.R.	
14	LB	Lindera benzoin	Common Spicebush	18-24"	B.R.	

AREA OF WETLAND SEED MIX

BRISTOL ROAD NYS ROUTE 21 (S.H. 187)  
(PORT-OF-WAY VARIATION)



**LOCATION MAP**  
NOT TO SCALE

**LANDSCAPE NOTES:**

1. ALL PLANTS SHALL MEET OR EXCEED THE MINIMUM REQUIREMENTS AS NOTED IN THE LAST EDITION OF THE AMERICAN STANDARD FOR NURSERY STOCK BY THE AMERICAN ASSOCIATION OF NURSEYMEN, ANSI Z601.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HIS OWN QUANTITY TAKEOFFS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING UNDERGROUND UTILITIES PRIOR TO THE START OF CONSTRUCTION.
4. ALL TREES SHALL BE LOCATED A MINIMUM DISTANCE OF FIVE FEET (5') FROM UNDERGROUND UTILITIES TO THE PLANT BALL.
5. ALL TREES SHALL BE LOCATED A MINIMUM DISTANCE OF TEN FEET (10') FROM OVERHEAD UTILITIES TO THE PLANT BALL.
6. PLANTING SOIL MIXTURE SHALL HAVE A RATIO BY VOLUME OF FOUR PARTS TOPSOIL TO ONE PART PEAT. SOIL AMENDMENTS TO BE MODIFIED PER INDIVIDUAL PLANT MATERIAL REQUIREMENTS.
7. STAKE TREES IMMEDIATELY AFTER PLANTING (REFER TO DETAIL).
8. PROVIDE ALL PLANTING BEDS WITH A CONTINUOUS 3" LAYER OF MULCH. MULCH SHALL BE PROVIDED AS FOLLOWS: 100% SHREDDED HARDWOOD MULCH, NO GREATER THAN 1" IN SIZE, UNIFORMLY MIXED AND FREE FROM DELETERIOUS MATERIAL.
9. SEED ALL AREAS NOT PAVED, PLANTED OR SPECIFIED OTHERWISE WITH LAWN SEED.

**A. LAWN SEED MIXTURE SHALL BE PROVIDED AS FOLLOWS:**

	% BY WEIGHT	% BY PURITY	% GERM
'PENNFINE' & 'MORNING STAR'	40	85	85
'PENNLAWN' RED FESCUE	20	97	80
'BARKO' & 'MIDNIGHT'	40	85	80
KENTUCKY BLUEGRASS	40	85	80

SEEDING RATE: 6.0 LBS PER 1,000 SF.  
MULCH: STRAW AT TWO TONS PER ACRE, OR WOOD FIBER MULCH  
USED WITH A HYDROSEEDING APPLICATION METHOD, WITH TACKIFIER.  
STARTING FERTILIZER: 5-10-10 AT 20 LBS PER 1,000 SF.

B. REFER TO THE CONSTRUCTION EROSION CONTROL PLAN, BME DRAWING #2154-01, FOR FURTHER SEEDING REQUIREMENTS (SUCH AS TEMPORARY SEEDING AND SPECIALIZED SEEDING MIXES).

C. MEADOW GRASS/ WILDFLOWER MIXTURES TO BE SHOWY NORTHEAST NATIVE WILDFLOWER MIX BY ERNST CONSERVATION SEEDS, OR APPROVED EQUIVALENT. ERNST SEED MIX #ERNMIX-153

D. WETLAND BENCH SEED MIX TO BE OSL WETLAND MIX BY ERNST CONSERVATION SEEDS. ERNST CATALOG #ERNMIX-120.

10. PROPOSED PLANT MATERIALS SHALL BE FIELD LOCATED, AND THE CONTRACTOR SHALL PERFORM A TROUGH STAKEOUT OF PLANTINGS FOR REVIEW BY THE OWNER'S REPRESENTATIVE PRIOR TO PLANTING.

11. PROPOSED STREET TREE PLANTINGS ARE TO BE PROVIDED AS SHOWN ON THE PLAN WITH AN APPROXIMATE SPACING OF 50' BETWEEN TREES. EXACT LOCATION OF TREES TO BE VERIFIED BY CONTRACTOR PRIOR TO PLANTING STREET TREES TO BE 3-INCH CALIPER DECIDUOUS TREES.

**TREES TO BE UTILIZED FOR STREET TREE PLANTING:**

ACER X FREEMANNI AUTUMN BLAZE	AUTUMN BLAZE MAPLE
CELEBRATION MAPLE	CELEBRATION MAPLE
ACER RUBRUM 'OCTOBER GLORY'	OCTOBER GLORY MAPLE
'AUTUMN FLAME'	AUTUMN FLAME MAPLE
'RED SUNSET'	RED SUNSET MAPLE
AMELANCHIER ARBOREA	SHADBLOW SERVICEBERRY
CARPANUS DETULUS 'FASCIATA'	EUROPEAN HORNBEAM
CELTIS OCCIDENTALIS	COMMON HACKBERRY
CERCOPHYLLUM JAPONICUM	KATSURA TREE
CORYLUS COLORATA	TURCHER PLUM
QUERCUS BULBOSA 'PRINCETON SENTINEL'	PRINCETON SENTINEL OAK
QUERCUS BULBOSA 'SHADEMASTER'	SHADEMASTER LOCUST
PLATANUS A. 'BLOODGOOD'	BLOODGOOD PLANTANUS
QUERCUS RUBRA	RED OAK
QUERCUS ROBUR	ENGLISH OAK
TILIA CORDATA 'GREENSPICE'	GREENSPICE LINDEN
'GLENDELLEN'	GLENDELLEN LINDEN
ULMUS PARVIFOLIA 'PRINCETON'	PRINCETON ELM
'SPECIES PRINCE'	PIONEER ELM
'LIBERTY'	LIBERTY ELM
ZELKOVA SERRATA VARIETIES	JAPANESE ZELKOVA

11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CARE AND MAINTENANCE OF PLANT MATERIALS AND SEEDED AREAS UNTIL FINAL ACCEPTANCE.

12. A MINIMUM TWO (2) YEAR GUARANTEE SHALL BE PROVIDED ON ALL PLANT MATERIALS FROM THE DATE OF FINAL ACCEPTANCE.

13. ALL PROPOSED PROJECT LIGHTING TO BE DARK SKY COMPLIANT.

**APPROVALS**

BY: *[Signature]* DATE: 1/18/07  
TOWN OF CANANDAIGUA PLANNING BOARD CHAIRPERSON

BY: *[Signature]* DATE: 1/16/07  
TOWN ENGINEER

Drawing Attention  
The following is an excerpt from the New York State Education Law Article 145 Section 7209 and applies to this drawing:  
"It is a violation of this law for any person, when he is acting under the direction of a licensed professional engineer or land surveyor to alter any item in any way, if on item bearing the seal of an engineer or land surveyor shall be altered, the altering engineer or land surveyor shall affix to the item the word and the notation "altered by" followed by the signature and the date of such alteration, and a specific description of the alteration."

NO.	REVISIONS	DATE
1	REVISED PER PRELIMINARY APPROVAL	10/19/06
2	REVISED PER PRELIMINARY APPROVAL	10/19/06
3	REVISED PER PRELIMINARY APPROVAL	10/19/06
4	REVISED PER PRELIMINARY APPROVAL	10/19/06
5	REVISED PER PRELIMINARY APPROVAL	10/19/06
6	REVISED PER PRELIMINARY APPROVAL	10/19/06
7	REVISED PER PRELIMINARY APPROVAL	10/19/06

**BME ASSOCIATES**  
ENGINEERS, SURVEYORS, PLANNERS  
LANDSCAPE ARCHITECTS  
10 LIFT BRIDGE LANE EAST  
FAIRPORT, NEW YORK 14450  
516-377-7500  
FAX 516-377-7500



**MILLER PROPERTY**  
TOWN OF CANANDAIGUA, ONTARIO COUNTY, NEW YORK  
PROJECT LOCATION  
CLIENT  
S & J MORRIS BUILDERS INC.  
1478 MARSH ROAD  
PITTSFORD, NY 14854  
DRAWING TITLE: **LANDSCAPE/ LIGHTING PLAN**

PROJECT MANAGER	DATE
PG VARS	
PROJECT ENGINEER	
BY: <i>[Signature]</i>	DATE: 1/16/07
SCALE	1"=100'
PROJECT NO.	2191
DRAWING NO.	08



# UTILITY NOTES:

1. THE SETBACK LINES AND NOTES RELATING TO SETBACKS SHOWN HEREON ARE INTENDED TO SHOW APPLICABLE ZONING REQUIREMENTS (AND APPROVALS UNDER SECTION 278 OF TOWN LAW AND THE CLUSTERING PROVISIONS - CHAPTER 90, ARTICLE 111, SECTION 29 - OF THE CANADAMAGUA TOWN CODE) OF THE TOWN OF CANADAMAGUA. THE DATE OF THIS MAP AND ARE NOT INTENDED TO IMPOSE ANY ADDITIONAL RESTRICTIONS OTHER THAN SAID ZONING REQUIREMENTS.
2. BUILDINGS SHOWN ON THESE DRAWINGS ARE GRAPHICAL REPRESENTATIONS ONLY. NO RESTRICTION IS INTENDED AS TO SIZE OR LOCATION OTHER THAN APPLICABLE ZONING REQUIREMENTS. FINAL ELEVATIONS ARE DEPENDENT ON TYPE OF HOUSE CONSTRUCTED.
3. ALL IMPROVEMENTS SHALL BE IN ACCORDANCE WITH THE MOST RECENT STANDARDS AND SPECIFICATIONS OF THE TOWN OF CANADAMAGUA AND THE APPROPRIATE WATER/SEWER AGENCIES, UNLESS OTHERWISE NOTED.
4. EXISTING UNDERGROUND UTILITIES SHOWN WERE PLOTTED FROM FIELD LOCATIONS AND/OR UTILITY COMPANY RECORD PLANS. PRIOR TO ANY CONSTRUCTION THE CONTRACTOR SHALL CALL THE UPO HOTLINE AT 1 (800) 962-7982 FOR STAKE-OUT OF EXISTING UTILITIES.
5. WATERMANS AND APPURTENANCES TO BE CONSTRUCTED TO THE MOST RECENT STANDARDS AND SPECIFICATIONS OF THE TOWN OF CANADAMAGUA WATER DEPARTMENT.
6. THE WATERMAIN SHALL BE DISINFECTED EQUAL TO AWWA STANDARD SPECIFICATIONS FOR DISINFECTION OF WATERMANS, DESIGNATION C-691 BY USING THE CONTINUOUS FEED METHOD. THE SLUG METHOD CAN ONLY BE USED FOR MAINS 24" IN DIAMETER OR GREATER. FOLLOWING FLUSHING, SAMPLES OF THE WATER SHALL BE COLLECTED FROM THE MAIN AND FROM EACH BRANCH. FIRE HYDRANTS ARE NOT ACCEPTABLE SAMPLING POINTS. WATER SAMPLES SHALL BE COLLECTED BY THE TOWN OF CANADAMAGUA AND THE MAIN SHALL NOT BE PLACED IN SERVICE UNTIL THE WATER HAS BEEN APPROVED AND NOTIFICATION THEREOF RECEIVED FROM THE NEW YORK STATE DEPARTMENT OF HEALTH AND THE TOWN OF CANADAMAGUA.
7. ALL WATERMANS SHALL HAVE A MINIMUM OF 5' OF COVER FROM THE TOP OF THE MAIN TO FINISHED GRADE. THE CONTRACTOR SHALL CHECK ALL CUT STAKES BEFORE TRENCHING TO INSURE THAT ALL INSTALLED WATERMANS WILL HAVE THE REQUIRED COVER.
8. MINIMUM SEPARATION BETWEEN WATERMAIN AND SEWER MAINS TO BE 18" VERTICALLY MEASURED FROM THE OUTSIDE OF THE PIPES AT THE POINT OF CROSSING. MINIMUM HORIZONTAL SEPARATION BETWEEN WATERMANS AND SEWER MAINS TO BE 10 FEET MEASURED FROM THE OUTSIDE OF THE PIPES. ONE FULL LENGTH OF WATERMAIN SHALL BE CENTERED UNDER OR OVER THE SEWER SO THAT BOTH JOINTS WILL BE AS FAR FROM THE SEWER AS POSSIBLE. WHERE A WATERMAIN CROSSES UNDER A SEWER, ADEQUATE STRUCTURAL SUPPORT (COMPACTED SELECTED FILL) SHALL BE PROVIDED FOR THE SEWERS TO PREVENT EXCESSIVE DEFLECTION OF JOINTS AND SETTLING ON AND BREWING THE WATERMANS.
9. WATERMANS SHALL BE 8" PVC DR-14 AND INSTALLED PER NYSOEH AND TOWN OF CANADAMAGUA WATER DEPARTMENT STANDARDS.
10. SANITARY SEWER PIPE TO BE 8" PVC, SDR-35 WITH CRUSHED STONE BEDDING FOR GRAVITY SEWERS FROM 0'-10' DEEP. SANITARY SEWER PIPE TO BE 8" PVC SDR-21 WITH CRUSHED STONE BEDDING FOR SEWERS DEEPER THAN 10' IN DEPTH.
11. ALL SANITARY SEWERS MUST BE IN COMPLIANCE WITH THE SPECIFICATIONS AND SEWER POLICY OF ONTARIO COUNTY DPW AND CITY OF CANADAMAGUA.
12. FLOOR DRAINS TO BE CONNECTED TO THE SANITARY SEWER. FLOOR DRAINS DO NOT INCLUDE FOUNDATION OR FOOTER DRAINS INSTALLED TO INTERCEPT UNCONTAMINATED GROUNDWATER. ALL DISCHARGES TO THE SANITARY SEWER MUST COMPLY WITH THE EFFLUENT LIMITS OF THE ONTARIO COUNTY DPW.
13. INFILTRATION AND DEFLTRATION SHALL BE LIMITED TO 100 GALLONS PER MILE PER INCH DIAMETER OF PIPE PER 24 HOURS OF SANITARY SEWERS. IF AN AIR TEST IS USED, THE TEST AS A MINIMUM SHALL CONFORM TO THE PROCEDURE DESCRIBED IN ASTM C-826-B6, ENTITLED "STANDARD PRACTICE FOR LOW PRESSURE AIR TEST OF VITRIFIED CLAY PIPE LINES." SANITARY MANHOLES SHALL BE TESTED FOR DEFLTRATION.
14. WATER SERVICES SHALL BE 1" COPPER, TYPE K. ALL LOTS WILL REQUIRE PRESSURE REDUCING VALVES IN THE HOMES PER THE TOWN OF CANADAMAGUA CONSOLIDATED WATER DISTRICT REGULATIONS.
15. SANITARY SEWER LATERALS TO BE 4" PVC SDR-35 WITH CRUSHED STONE BEDDING. GLEED JOINTS ARE NOT ALLOWED OUTSIDE OF THE BUILDING. WELL MIXED CRUSHED STONE SIZED 1 AND 2 AS SHOWN ON TABLE 703-4 OF NYSOEH MANUAL OF "MATERIALS SPECIFICATIONS - CONSTRUCTION AND MATERIALS" IS TO BE USED FOR EMBEDMENT OF SANITARY SEWER PIPE.
16. STORM SEWER LATERALS TO BE 8" PVC SDR-35. ROOF LEADERS AND SUMPS FROM HOMES TO BE CONNECTED TO STORM SEWERS WHERE POSSIBLE. REAR DOWNSPOUTS ON WALK-OUT LOTS TO DISCHARGE TO SPLASHBLOCKS.
17. ALL PROPOSED, DEDICATED FACILITIES LOCATED OUTSIDE OF DEDICATED ROAD RIGHT-OF-WAYS TO BE PROVIDED WITH EASEMENTS FOR ACCESS AND MAINTENANCE. A MINIMUM WIDTH OF 30' TO BE PROVIDED, CENTERED ON ALL DEDICATED UTILITIES NOT LOCATED WITHIN DEDICATED ROAD RIGHT-OF-WAYS.
18. SANITARY LATERAL WITNESS STAKES SHALL BE TWO BY FOUR INCH HARDWOOD, EXTENDED TWO TO THREE FEET ABOVE GRADE AND PAINTED GREEN.
19. SANITARY LATERAL CLEANOUTS ARE TO BE PROVIDED AT THE RIGHT-OF-WAY OR EASEMENT LINE AND EVERY 85 FEET THEREAFTER.
20. HYDRAUNT FLOW DATA:  
STATIC PRESSURE: 130 PSI  
FLOW @ 85 PSI: 1,400 GPM  
LOCATION: BRISTOL ROAD NYS ROUTE 21 (S.H. 187)  
ELEVATION: 916.2  
DATE: 4/26/06
21. EXISTING FARM TILES ENCOUNTERED DURING EARTHWORK SHALL BE CONNECTED TO THE PROPOSED STORM DRAINAGE SYSTEM.
22. SANITARY MANHOLES DEEPER THAN 14" SHALL BE 5' IN DIAMETER.
23. THE SANITARY SEWER HAS BEEN DESIGNED IN ACCORDANCE WITH THE LATEST EDITION OF THE "RECOMMENDED STANDARDS FOR WASTEWATER FACILITIES."
24. WATER SERVICE CURB BOXES TO BE INSTALLED AT THE RIGHT-OF-WAY LINE.
25. WATER SERVICE CURB STOPS TO BE INSTALLED AT FINISH GRADE.
26. SANITARY AND STORM CLEANOUTS TO BE INSTALLED ABOVE FINISHED GRADE AND CUT TO FINISH GRADE UPON FINAL LOT GRADING.

# SANITARY SEWER NOTES:

1. ALL SANITARY SEWER CONSTRUCTION AND/OR IMPROVEMENTS SHALL BE IN ACCORDANCE WITH THE MOST RECENT STANDARDS AND SPECIFICATIONS OF THE CANADAMAGUA LAKE COUNTY SEWER DISTRICT, N.Y.S. DEPARTMENTS OF HEALTH AND ENVIRONMENTAL CONSERVATION, THE LATEST EDITION OF "RECOMMENDED STANDARDS FOR WASTEWATER FACILITIES" AND ANY OTHER AGENCIES HAVING JURISDICTION.
2. DURING CONSTRUCTION THE SEWER WILL BE PLUGGED AT THE CONNECTING MANHOLE. PLUGS WILL NOT BE REMOVED UNTIL THE COMPLETED SEWER LINE IS TESTED AND APPROVED FOR USE.
3. UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL DETERMINE EXACT LOCATION OF UTILITIES BEFORE COMMENCING CONSTRUCTION. CONTACT U.P.P.O. AT 1-800-962-7982 AT LEAST 72 HOURS PRIOR TO CONSTRUCTION.
4. SANITARY SEWER MAIN GRAVITY PIPE SHALL BE 8" OR LARGER PVC CLASS SDR-35 OR SDR-21 WITH ELASTOMETRIC JOINTS. LATERALS SHALL BE 4" DIAMETER SDR-21 WITH ELASTOMETRIC JOINTS. ACTUAL FIELD CONDITIONS MAY REQUIRE ADDITIONAL PIPE OR BACKFILL REINFORCEMENT. IT WILL BE DESIGNED BY THE DEVELOPER'S ENGINEER. FIELD CHANGES MUST BE APPROVED BY THE SEWER DISTRICT.
5. FOLLOWING PROJECT COMPLETION AND 30 DAYS AFTER THE BACKFILL HAS BEEN IN PLACE THE FOLLOWING TESTS SHALL BE PERFORMED ON GRAVITY SANITARY SEWER MAIN:
  - A. INFILTRATION/EX-FILTRATION TESTS ON SEWER MAIN AND MANHOLES. AIR PRESSURE TESTING FOR SEWER MAINS AND VACUUM TESTING FOR MANHOLES IS RECOMMENDED. TESTS ON MANHOLES MAY BE PERFORMED ONLY AFTER MANHOLE BENCHES AND INVERTS ARE COMPLETE.
  - B. A DEFLECTION TEST USING A RIGID BALL OR MANHOLE HAVING A DIAMETER OF 95% OF THE INSIDE DIAMETER OF THE PIPE. MECHANICAL PULLING DEVICES WILL NOT BE USED.
  - C. THE SEWER LINE WILL BE TELEVIEWED AND LAUNED AFTER ALL OTHER TESTS ARE COMPLETE. A GOOD QUALITY COPY OF THE DVD OR VHS TAPE AND RELATED RECORDS WILL BE SUBMITTED FOR EVALUATION TO CANADAMAGUA LAKE COUNTY SEWER DISTRICT. PRIOR TO TELEVIEWING THE SEWER LINE SHALL BE FLUSHED AND CLEARED OF DIRT, STONES AND DEBRIS. PERMISSION IS GRANTED TO REMOVE THE PLUG AT THE CONNECTING MANHOLE PRIOR TO FLUSHING OPERATION. PROVIDE DOWNSTREAM SCREENS OR OTHER DEVICES TO PREVENT DEBRIS FROM ENTERING THE COUNTY'S SEWER SYSTEM. SECTIONS OF PIPE REPAIRED OR RE-FLUSHED WILL BE RE-TELEVIEWED UNTIL ACCEPTABLE.
6. THE SEWER LINE SHALL BE LAID USING A PIPE LASER. GRADE SHALL BE CHECKED EVERY 100' USING A SURVEYOR'S LEVEL TO INSURE THAT CORRECT GRADE IS BEING MAINTAINED.
7. THE CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH OSHA REQUIREMENTS IN ALL ASPECTS OF CONSTRUCTION.
8. OPENINGS IN EXISTING MANHOLES SHALL BE MADE WITH A CORE SAW. A RUBBER WATER TIGHT PIPE TO MANHOLE BOOT SEAL ADAPTOR OR OTHER SEWER DISTRICT APPROVED CONNECTOR, CONFORMING TO ASTM C-923, SHALL BE USED TO MAKE THE CONNECTION TO THE NEW PIPE.
9. SEWER PERMITS AND PERMITS FOR WORK WITHIN ONTARIO COUNTY HIGHWAY RIGHTS OF WAY MUST BE PURCHASED IN ADVANCE AT THE ONTARIO COUNTY PUBLIC WORKS OFFICE LOCATED AT 2962 COUNTY ROAD 48 IN THE TOWN OF HOPKILL. CALL 965-389-4000 FOR INFORMATION.

## STORM SEWER

	FROM	TO	SIZE (IN.)	LENGTH	SLOPE	
MH	D-20	D-19				
RIM	954.7	950.5	12	CPP	171	2.46 %
INV	948.70	944.50				
MH	D-19.1	D-19				
RIM	951.0	950.5	12	CPP	129	1.94 %
INV	947.00	944.50				
MH	D-19	D-18				
RIM	950.5	946.2	12	CPP	240	1.79 %
INV	944.50	940.20				
MH	D-18.1	D-18				
RIM	945.0	946.2	12	CPP	128	0.63 %
INV	941.00	940.20				
MH	D-18	D-17				
RIM	946.2	944.5	12	CPP	207	1.79 %
INV	940.20	936.50				
MH	D-17	D-16				
RIM	941.0	944.1	15	CPP	196	0.72 %
INV	936.25	934.84				
MH	D-16	D-15				
RIM	944.1	943.3	15	CPP	70	0.50 %
INV	934.84	934.49				
MH	D-15	D-14				
RIM	941.0	943.3	15	CPP	61	0.50 %
INV	934.49	934.19				
MH	D-14.1	D-14				
RIM	943.3	944.2	12	CPP	123	5.33 %
INV	941.00	934.44				
MH	D-14	D-13				
RIM	944.2	945.1	18	CPP	70	0.71 %
INV	933.84	933.34				
MH	0	0.00				
RIM	945.1	946.1	0	0	0	0.00 %
INV	0.00	0.00				
MH	0	0.00				
RIM	945.0	946.0	0	0	0	0.00 %
INV	0.00	0.00				
MH	0	0.00				
RIM	946.0	947.0	0	0	0	0.00 %
INV	0.00	0.00				
MH	D-13	D-12				
RIM	947.0	947.9	24	CPP	70	0.50 %
INV	933.34	932.99				
MH	D-12	D-11				
RIM	947.9	948.6	24	CPP	73	0.50 %
INV	932.99	932.63				
MH	D-11	D-10				
RIM	948.6	948.1	24	CPP	67	0.50 %
INV	932.63	932.30				
MH	D-10	D-9				
RIM	948.1	947.1	24	CPP	70	0.50 %
INV	932.30	931.95				
MH	D-9	D-8				
RIM	947.1	945.8	24	CPP	85	0.50 %
INV	931.95	931.53				
MH	D-8.1	D-8				
RIM	945.0	945.8	12	CPP	133	6.37 %
INV	941.00	932.53				
MH	D-8	D-7				
RIM	945.8	942.2	24	CPP	240	0.50 %
INV	931.53	930.33				

## STORM SEWER

	FROM	TO	SIZE (IN.)	LENGTH	SLOPE	
MH	D-7.1	D-7				
RIM	941.0	942.2	12	CPP	133	4.26 %
INV	937.00	931.33				
MH	D-7	D-6				
RIM	942.2	940.1	24	CPP	136	0.50 %
INV	930.33	929.65				
MH	D-6	D-5				
RIM	940.1	937.2	24	CPP	92	0.50 %
INV	929.65	929.19				
MH	D-5.1	D-5				
RIM	935.0	937.2	12	CPP	157	0.52 %
INV	931.00	930.19				
MH	D-5	D-4				
RIM	937.2	928.5	24	CPP	240	2.79 %
INV	929.19	922.50				
MH	D-4	D-3				
RIM	928.5	930	30	CPP	73	0.50 %
INV	922.00	921.64				
MH	D-3.1	D-3				
RIM	931.0	930	12	CPP	75	5.15 %
INV	927.00	923.14				
MH	D-3	D-2				
RIM	930.0	932.9	30	CPP	273	0.50 %
INV	921.64	920.28				
MH	D-2	D-1				
RIM	932.9	930	30	CPP	277	0.50 %
INV	920.28	918.90				
MH	D-1.4	D-1.3				
RIM	953.4	951.1	12	CPP	77	2.99 %
INV	947.40	945.10				
MH	D-1.3	D-1.2				
RIM	951.1	942.1	12	CPP	259	3.47 %
INV	945.10	936.11				
MH	D-1.2	D-1.1				
RIM	942.1	937.2	12	CPP	176	2.73 %
INV	936.11	931.31				
MH	D-1.1	D-1				
RIM	937.2	930	12	CPP	170	6.42 %
INV	931.31	920.40				
MH	D-1.A	D-1				
RIM	937.0	930	12	CPP	177	7.12 %
INV	933.00	920.40				
MH	D-1	D				
RIM	930.0	919	30	CPP	45	2.00 %
INV	918.90	918.00				

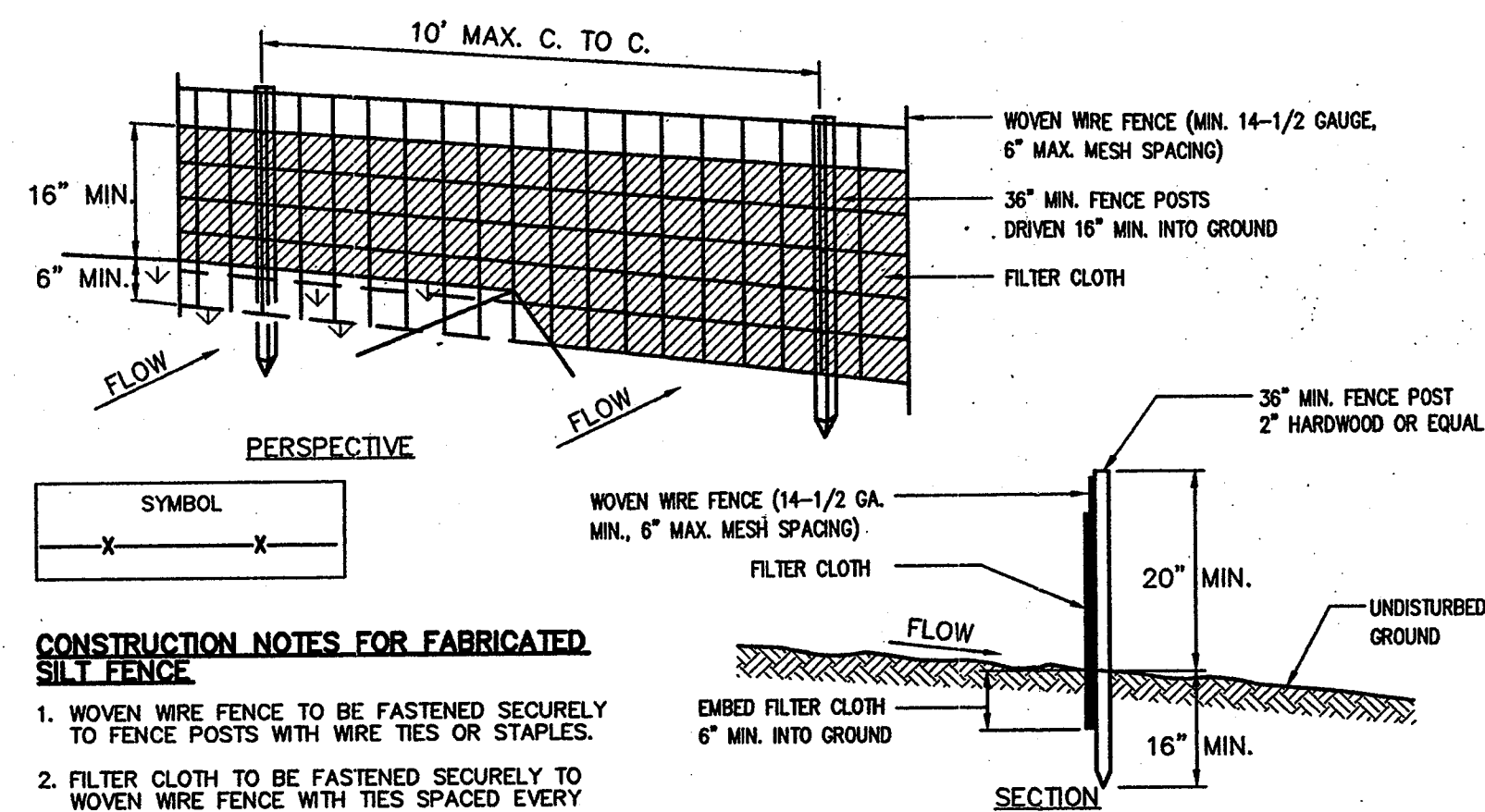
## SANITARY SEWER

	FROM	TO	SIZE (IN.)	LENGTH	SLOPE	
MH	S-16	S-15				
RIM	954.8		8	PVC	293	2.15 %
INV	942.80	936.50				
MH	S-15	S-14				
RIM	948.4		8	PVC	270	1.04 %
INV	936.40	933.60				
MH	S-14	S-13				
RIM	945.5		8	PVC	239	0.50 %
INV	933.50	932.31				
MH	S-13	S-12				
RIM	944.3		8	PVC	72	0.50 %
INV	932.21	931.85				
MH	S-12	S-11				
RIM	945.2		8	PVC	75	0.50 %
INV	931.75	931.37				
MH	S-11	S-10				
RIM	946.2		8	PVC	72	0.50 %
INV	931.27	930.91				
MH	S-10	S-9				
RIM	947.2		8	PVC	74	0.50 %
INV	930.81	930.33				
MH	S-9	S-8				
RIM	948.2		8	PVC	65	0.50 %
INV	930.23	929.90				
MH	S-8	S-7				
RIM	948.8		8	PVC	65	0.50 %
INV	929.80	929.47				
MH	S-7	S-6				
RIM	948.3		8	PVC	73	0.50 %
INV	929.37	929.00				
MH	S-6	S-5				
RIM	947.3		8	PVC	252	0.50 %
INV	928.90	927.64				
MH	S-5	S-4				
RIM	943.6		8	PVC	230	0.50 %
INV	927.54	926.39				
MH	S-4	S-3				
RIM	940.0		8	PVC	333	1.86 %
INV	926.29	919.68				
MH	S-3	S-2				
RIM	928.1		8	PVC	200	2.82 %
INV	919.43	913.78				
MH	S-2	S-1				
RIM	919.4		8	PVC	174	2.82 %
INV	913.68	908.76				
MH	S-1	S				
RIM	913.5	906.1	8	PVC	257	2.75 %
INV	908.51	901.42				

## SANITARY SEWER

	FROM	TO	SIZE (IN.)		LENGTH	SLOPE	
MH	S-3.7	S-3.6	8	PVC	75	2.67	%
RIM	953.3						
INV	941.30	939.30					
MH	S-3.6	S-3.5	8	PVC	239	3.47	%
RIM	951.2						
INV	939.20	930.90					
MH	S-3.5	S-3.4	8	PVC	202	2.67	%
RIM	942.8						
INV	930.80	925.40					
MH	S-3.4	S-3.3	8	PVC	175	1.26	%
RIM	937.3						
INV	925.30	923.10					
MH	S-3.3	S-3.2	8	PVC	284	0.50	%
RIM	927.0						
INV	923.00	921.58					
MH	S-3.2	S-3.1	8	PVC	255	0.50	%
RIM	933.1						
INV	921.48	920.20					
MH	S-3.1	S-3	8	PVC	84	0.50	%
RIM	930.4						
INV	920.10	919.68					





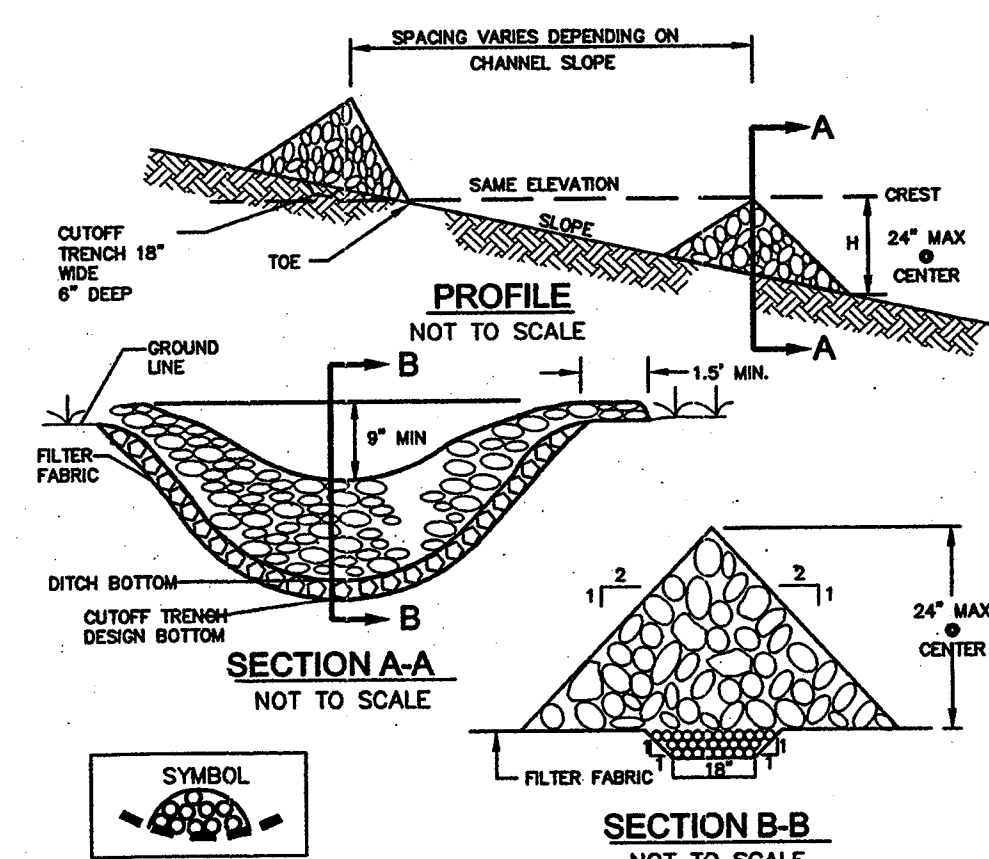
#### CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24\"/>

POSTS: STEEL, EITHER T OR U TYPE OR 2\"/>

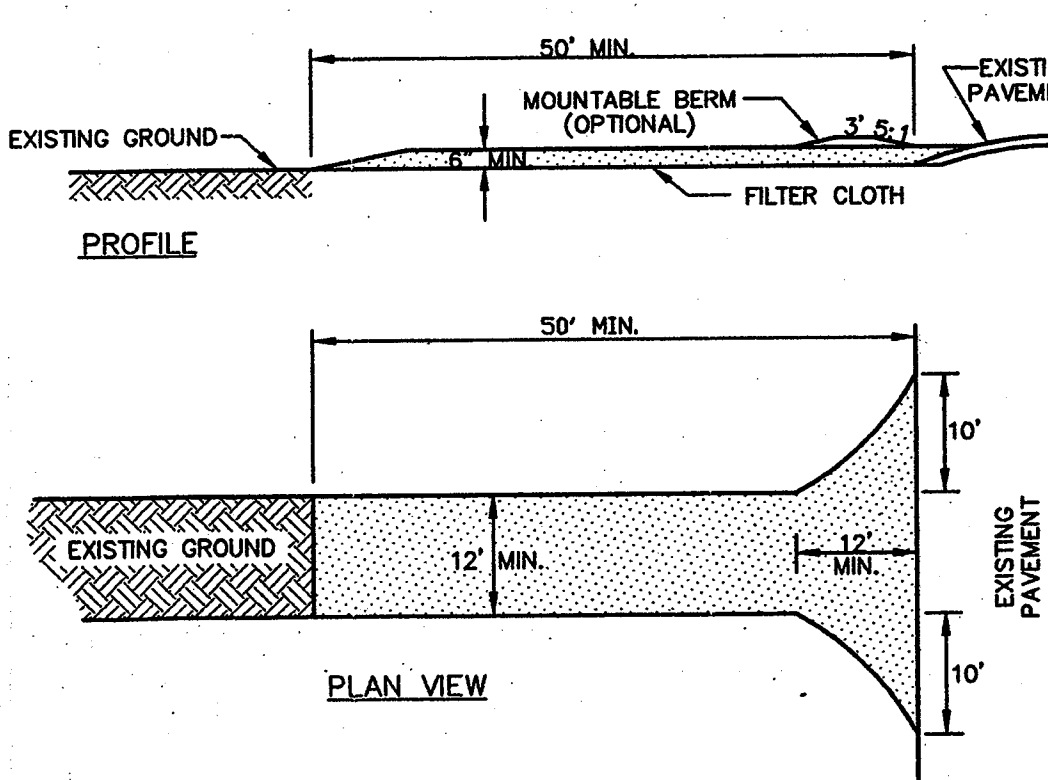
#### SILT FENCE (N.T.S.)

ADAPTED FROM DETAILS PROVIDED BY: USDA-NRCS, NEW YORK STATE DEPARTMENT OF TRANSPORTATION, NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION, NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE



#### CHECK DAM DETAIL (N.T.S.)

ADAPTED FROM DETAILS PROVIDED BY: USDA-NRCS, NEW YORK STATE DEPARTMENT OF TRANSPORTATION, NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION, NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE

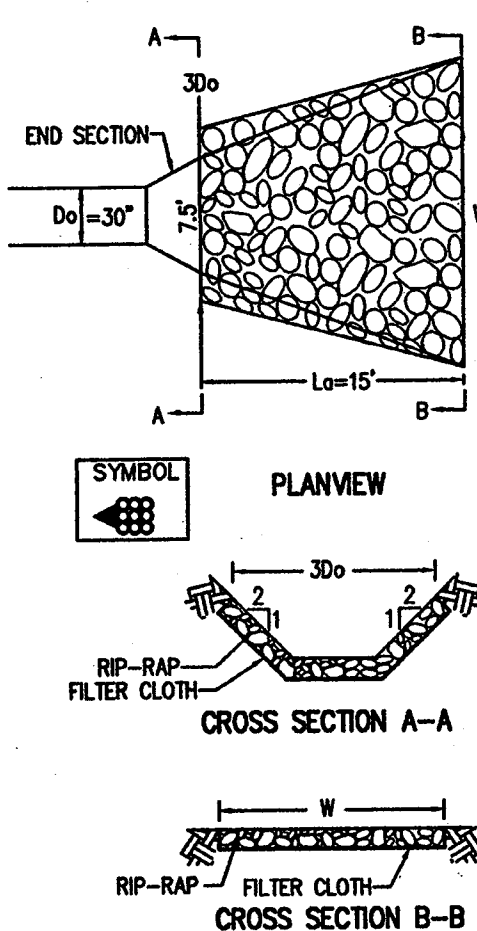


#### CONSTRUCTION SPECIFICATIONS

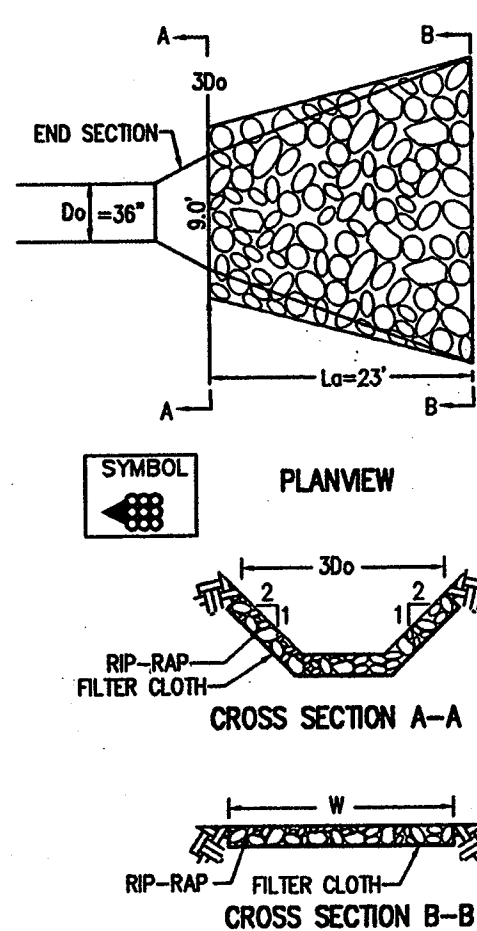
1. STONE SIZE - USE 1-4 INCH STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH - AS REQUIRED, BUT NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
3. THICKNESS - NOT LESS THAN SIX (6) INCHES.
4. WIDTH - TWELVE (12) FEET MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCUR. TWENTY-FOUR (24) FOOT IF SINGLE ENTRANCE TO SITE.
5. FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE. FILTER CLOTH WILL NOT BE REQUIRED ON A SINGLE FAMILY RESIDENCE LOT.
6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED BENEATH THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT, ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT-OF-WAYS MUST BE REMOVED IMMEDIATELY.
8. WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

#### STABILIZED CONSTRUCTION ENTRANCE (N.T.S.)

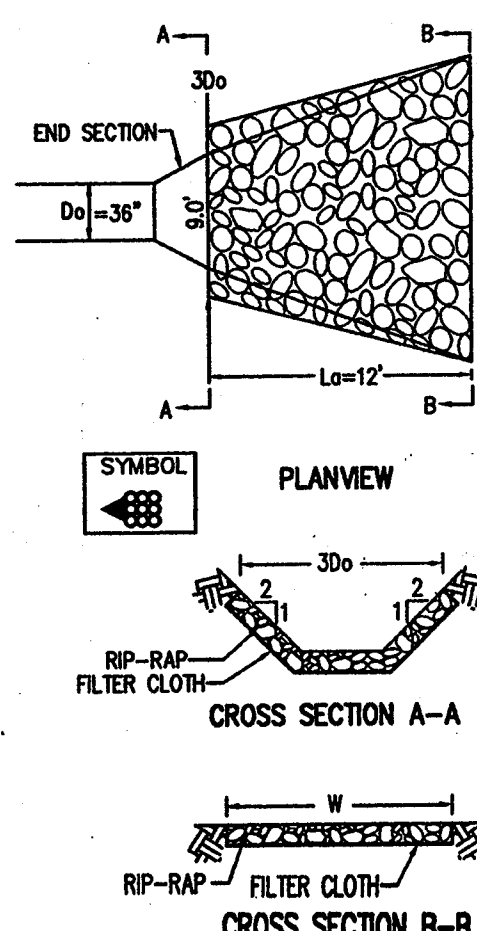
ADAPTED FROM DETAILS PROVIDED BY: USDA-NRCS, NEW YORK STATE DEPARTMENT OF TRANSPORTATION, NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION, NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE



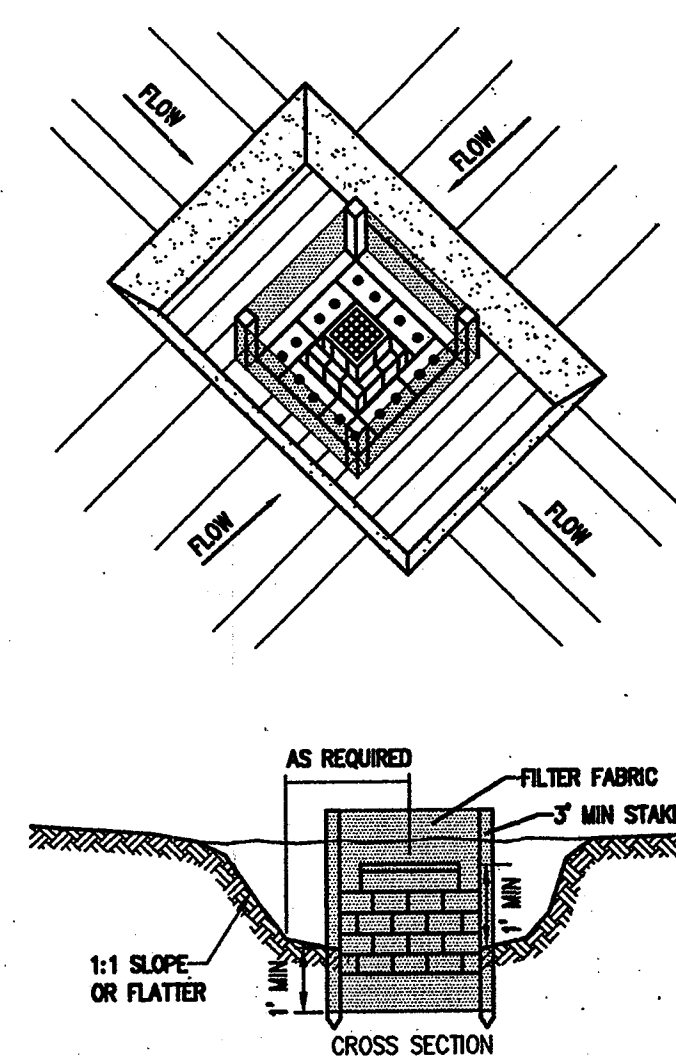
#### RIP-RAP OUTLET PROTECTION DETAIL (D) (N.T.S.)



#### RIP-RAP OUTLET PROTECTION DETAIL (DB TO DB-1) (N.T.S.)



#### RIP-RAP OUTLET PROTECTION DETAIL (DA TO DA-1) (N.T.S.)



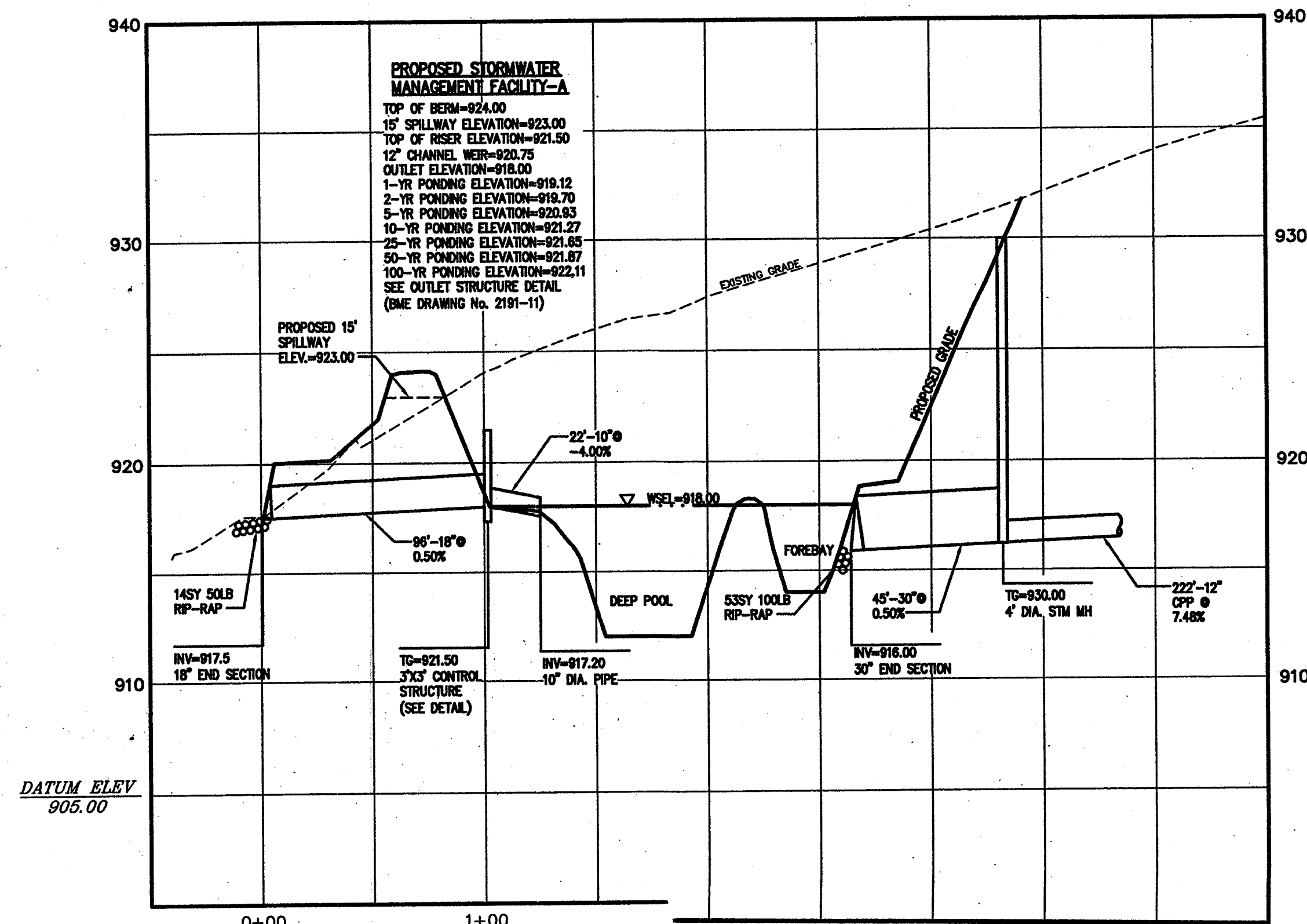
#### DROP INLET SEDIMENT PROTECTION DETAILS (N.T.S.)

ADAPTED FROM DETAILS PROVIDED BY: USDA-NRCS, NEW YORK STATE DEPARTMENT OF TRANSPORTATION, NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION, NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE

#### SEDIMENT TRAP VOLUMES

INLET DESIGNATION	DRAINAGE AREA/ DISTURBED AREA TO INLET	REQ'D SEDIMENT TRAP VOLUME	TRAP DIMENSIONS* (L x W x D)
D-1-A	1.25 ACRES	4,500 CU. FT.	45'x55'x2'
D-3-1	1.24 ACRES	4,464 CU. FT.	45'x55'x2'
D-5-1	2.82 ACRES (0.82 AC DISTURBED)	2,592 CU. FT.	40'x40'x2'
D-7-1	3.55 ACRES (0.80 AC DISTURBED)	2,160 CU. FT.	40'x40'x2'
D-8-1	5.00 ACRES (0.85 AC DISTURBED)	3,060 CU. FT.	40'x40'x2'
D-14-1	2.41 ACRES (0.64 AC DISTURBED)	2,304 CU. FT.	40'x40'x2'
D-17-1	0.67 ACRES	2,412 CU. FT.	40'x40'x2'
D-18-1	0.31 ACRES	1,116 CU. FT.	40'x25'x2'
D-18-1	0.48 ACRES	1,728 CU. FT.	40'x25'x2'
D-20-1	0.52 ACRES	1,872 CU. FT.	40'x25'x2'

\*TRAP DIMENSIONS PRESENTED AS GUIDANCE FOR CONTRACTOR ONLY. ACTUAL DIMENSIONS MAY VARY BASED UPON FIELD CONDITIONS. HOWEVER, MINIMUM REQ'D SEDIMENT TRAP VOLUME MUST BE PROVIDED.



1\"/>

NOT APPROVED

This plan has not received final approval of all reviewing agencies. This plan is subject to revisions until all approvals are obtained and should not be used for construction.

Drawing Attention  
The following is an excerpt from the New York State Education Law Article 145 Section 700 and applies to this drawing:  
"It is a condition of this law for any person, unless he is acting under the direction of a licensed professional engineer or land surveyor to alter any item in any way if it then having the use of an engineer or land surveyor is altered, the altering engineer or land surveyor shall affix to the item his seal and the notation 'altered by' followed by his signature and the date of such alteration, and a specific description of the alteration."

REVISIONS	DATE	BY
1		
2		
3		
4		
5		
6		

10 LEFT BRODIE LANE EAST  
PARSONS, NEW YORK 14450  
508-377-7290  
FAX 508-377-7308

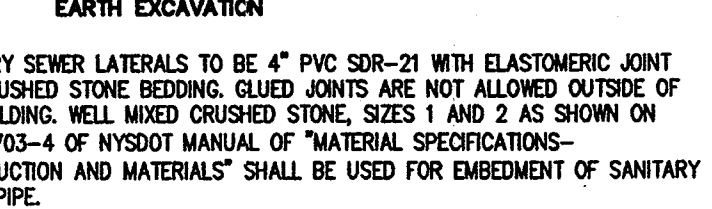
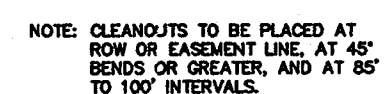
**BME ASSOCIATES**  
ENGINEERS, SURVEYORS, PLANNERS  
LANDSCAPE ARCHITECTS



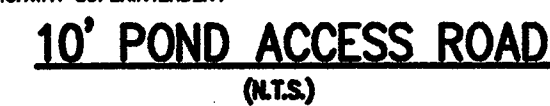
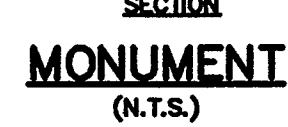
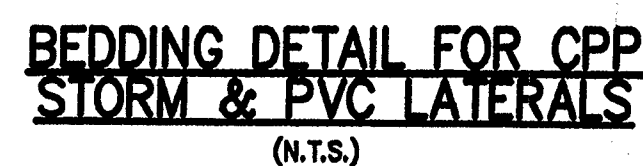
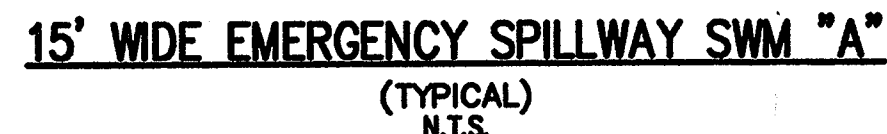
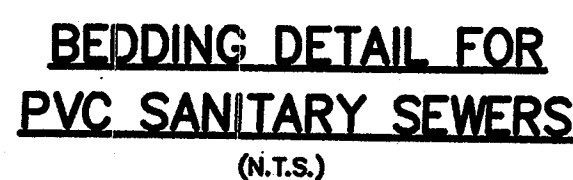
**MILLER PROPERTY**  
TOWN OF CAMDEN, ONTARIO COUNTY, NEW YORK STATE  
S & J JOHNSON BUILDERS INC.  
1470 WASH ROAD  
PITTSFORD, N.Y. 14854  
PRELIMINARY  
CONSTRUCTION EROSION CONTROL DETAILS

PROJECT MANAGER	DATE
PG VARS	
PROJECT ENGINEER	DATE
J. SWEDROCK	
DRAWN BY	DATE
DS	
JF SHELL	DATE ISSUED
SCALE	
AS SHOWN	JUNE 2008
PROJECT	2191
NO.	
NO.	10
DRAWING	SHEET 1 OF 3





**BUILDING SEWER DETAIL**  
N.T.S.



**NEW SEWER**

**RADIUS NOT LESS THAN 10' MIN.**

**INSIDE DIMENSION**

**SEE NOTE NO. 5**

**EXISTING SANITARY, STORM, OR COMBINED SEWER**

**100'**

**FLOW**

**EQUAL DISTANCE**

**SHAPED INVERTS**

**PLAN VIEW**

**OUTSIDE CAN BE SQUARE**

**EXISTING PIPE TO BE REMOVED AFTER INVERT IS BUILT**

**SEE TABLE FOR M.H. SIZE**

**1'-0" MIN.**

**SLOPE 1/2"/FT**

**BRICK BENCH INVERT**

**4" WATERSTOP**

**4000 PSI CONCRETE BENCH OF INVERT**

**SECTION A-A**

**MANHOLE FRAME AND COVER STANDARD - SYRACUSE CASTING NO. 1032**

**WATERTIGHT - SYRACUSE CASTING NO. 6544, TYPE 1**

**2 COURSES (MIN) BRICK ADJUSTING RINGS WITH DAMPROOFING**

**PRECAST REINFORCED CONCRETE MANHOLE BARREL SECTIONS CONFORMING TO ASTM C-478.**

**RUBBER GASKET TO CONFORM TO ASTM C-443.**

**REINFORCED CONCRETE CAST IN PLACE BASE SHALL HAVE A MIN. 28 DAY COMPRESSIVE STRENGTH OF 4000 P.S.I. (CONCRETE).**

**ASTM C-478**

**NEW SEWER**

**EXISTING SANITARY, STORM, OR COMBINED SEWER**

**8" MIN.**

**15" MAX.**

**4" MAX.**

**MINIMUM I.D. SEE TABLE**

**1'-0" MIN.**

**EQUAL DISTANCE**

**1'-0" MIN.**

**1'-0" MIN.**

**6" P.V.C.-CONTINUOUS WATERSTOP - SHOP DRAWINGS REQ'D**

**ROCK**

**UNDISTURBED GROUND**

NEW MANHOLE CAST-IN-PLACE BASE OVER  
EXISTING SANITARY SEWER

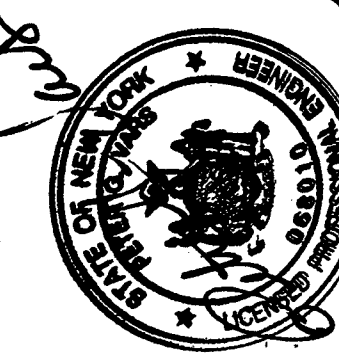
~~NOT APPROVED~~

This plan has not received final approval of all reviewing agencies. This plan is subject to revisions until all approvals are obtained and should not be used for construction purposes.

REVISIONS	DATE	BY
1		
2		
3		
4		
5		
6		
7		

10 LIFT BRIDGE LANE EAST  
FAIRPORT, NEW YORK 14450  
585-377-7360

**BME**  
ASSOCIATES  
ENGINEERS, SURVEYORS, PLANNERS



MILLER PROPERTY

**S & J MORRELL BUILDERS INC.**  
1478 MARSH ROAD  
PITTSFORD N.Y 14534

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TOWN OF

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**JECT**

# THE

1

\_\_\_\_\_

PG VARS

MANAGER	DATE

J. SWEDR

## ROCK

EST

**DS**

SCALE SW  
R /

JUNE 2008

PROJECT

2191

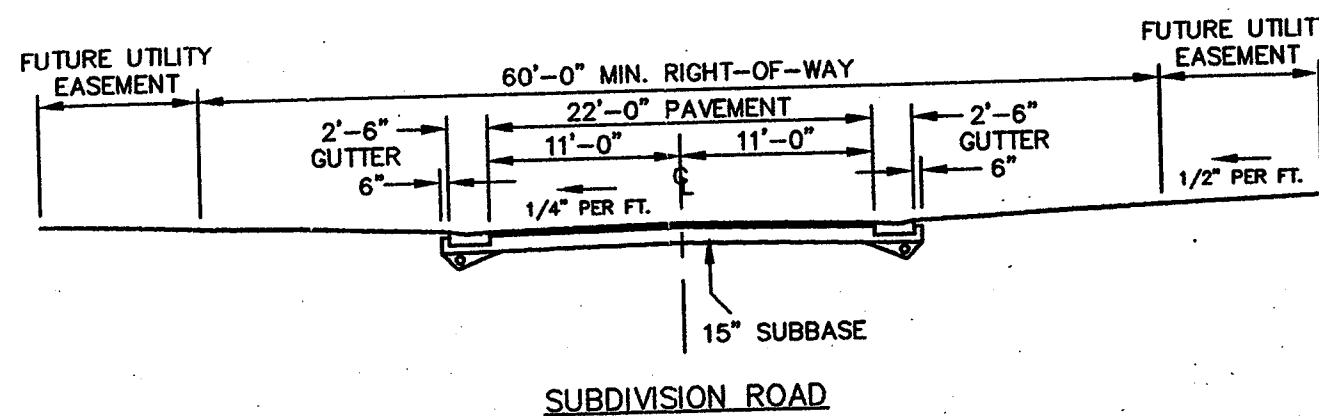
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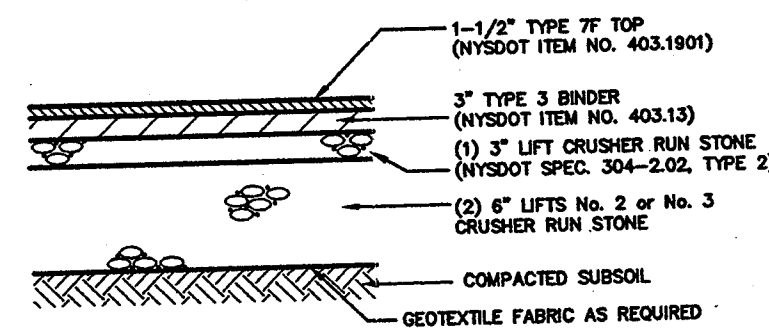
11





NOTE: SUBBASE EXTENDED OUT TO SWALE BY EITHER STONE WEEPS OR UNDERDRAIN AT DISCRETION OF THE HIGHWAY SUPERINTENDENT.

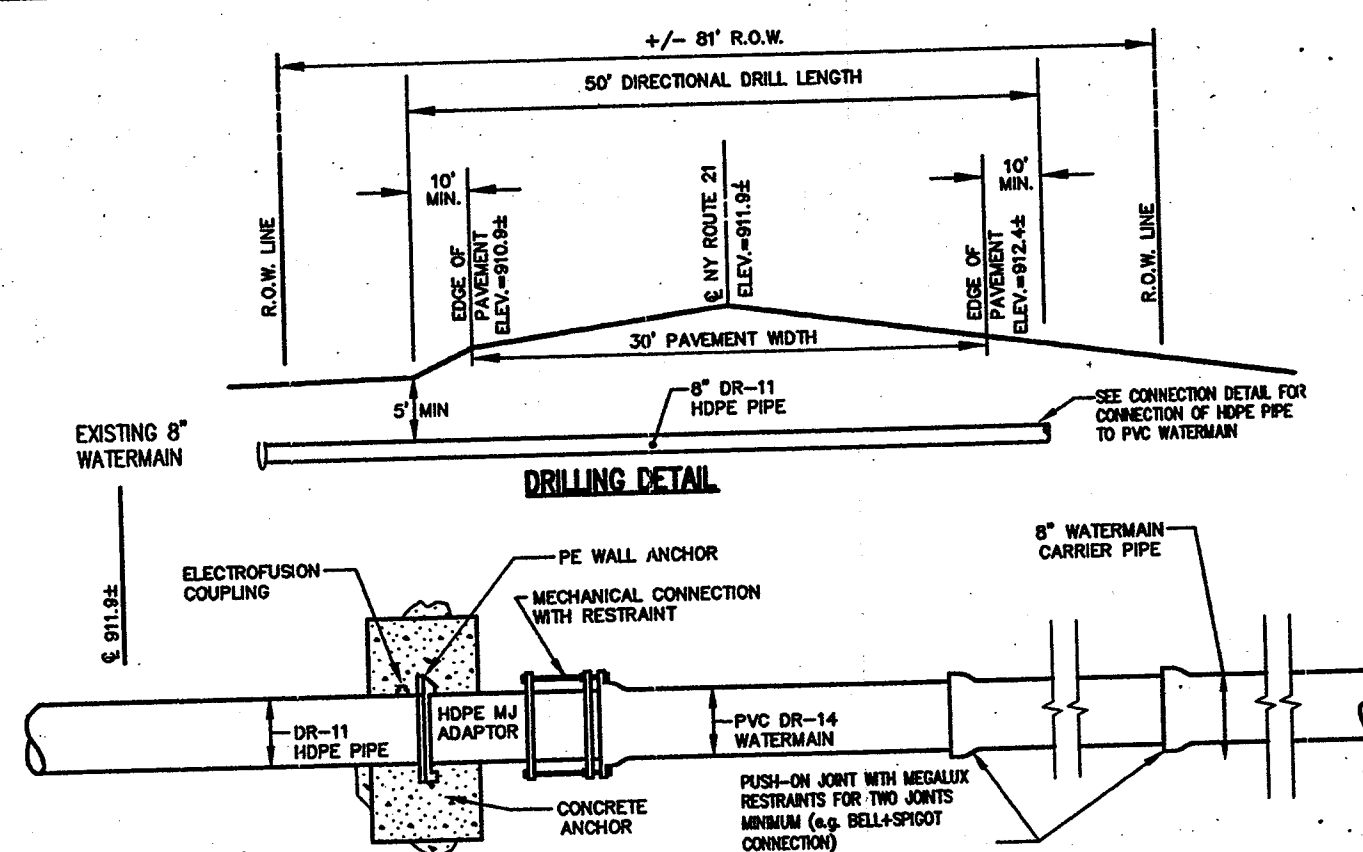
**TYPICAL ROAD CROSS SECTIONS**  
(N.T.S.)



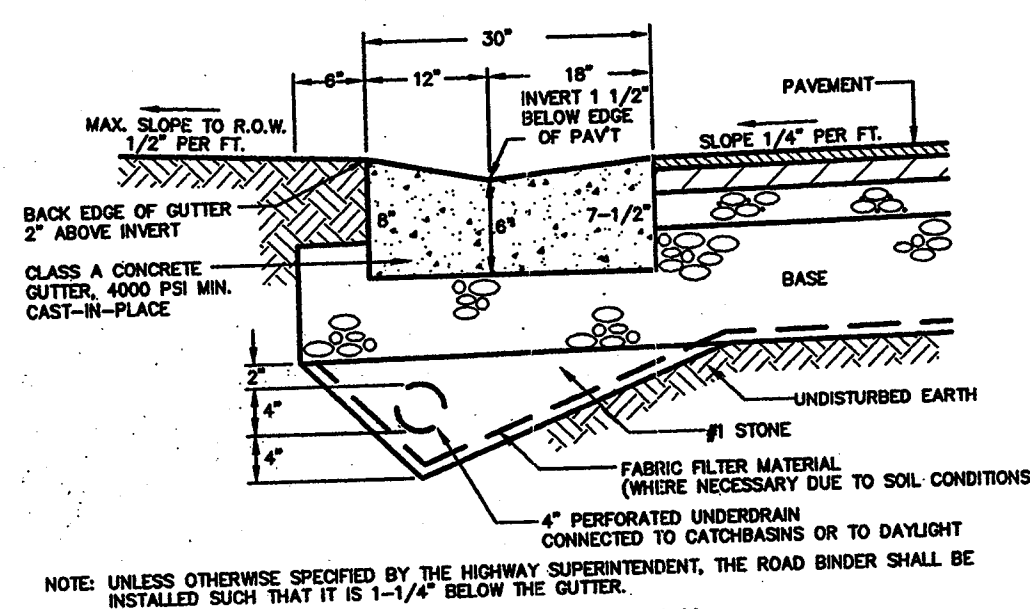
**MINOR SUBDIVISION / RURAL DEVELOPMENT ROADS**

NOTE: ALL DEPTHS ARE COMPACTED THICKNESSES AND PAVEMENT THICKNESSES MAY VARY AS REQUIRED BY TOWN ENGINEER. UNLESS OTHERWISE AUTHORIZED BY THE HIGHWAY SUPERINTENDENT, THE GROUND TEMPERATURE SHALL BE ABOVE 40 DEGREES F DURING INSTALLATION OF THE ROAD BRICKS.

**PAVEMENT CROSS SECTION (TYP.)**  
(N.T.S.)

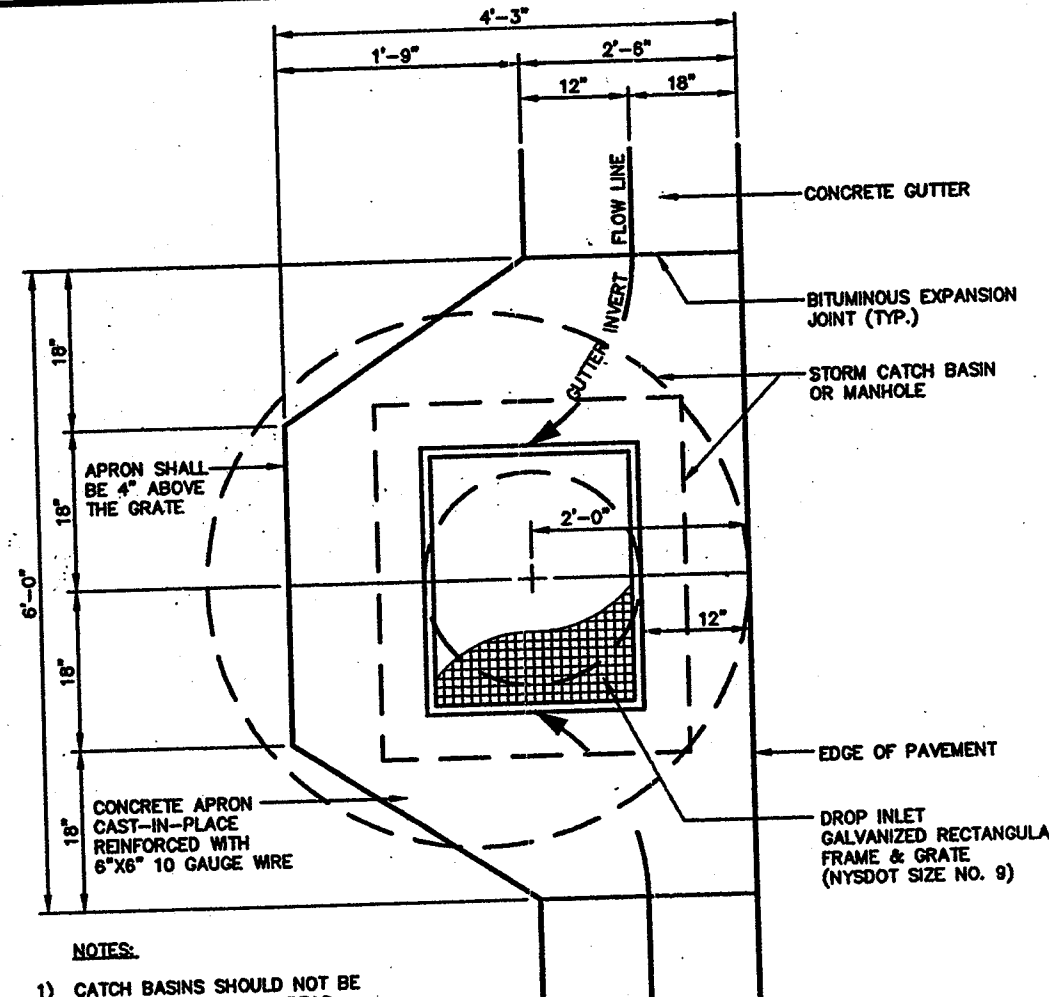


**DIRECTIONAL DRILLING DETAIL LOOKING EAST**  
(N.T.S.)



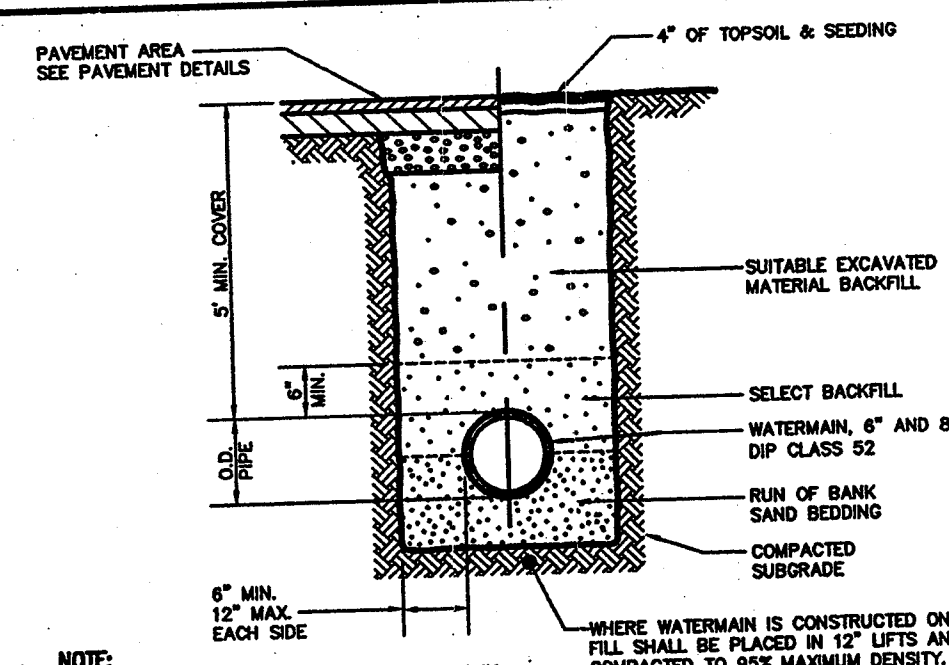
NOTE: UNLESS OTHERWISE SPECIFIED BY THE HIGHWAY SUPERINTENDENT, THE ROAD BINDER SHALL BE INSTALLED SUCH THAT IT IS 1-1/4" BELOW THE GUTTER.

**GUTTER DETAIL**  
(N.T.S.)



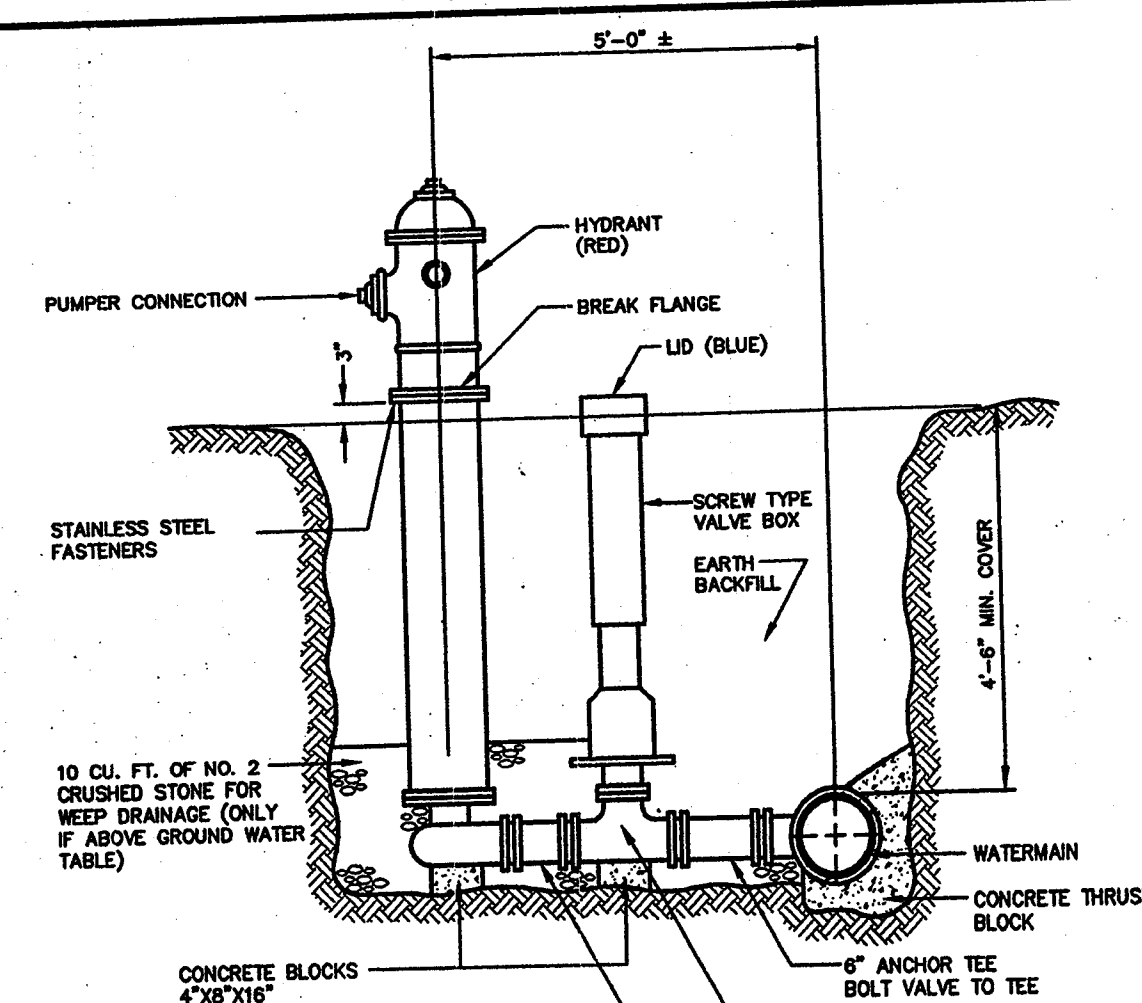
NOTES:  
1) CATCH BASINS SHOULD NOT BE PLACED IN DRIVEWAY AREAS.  
2) SPECIAL DESIGN MAY BE REQUIRED FOR STEEP GRADE SECTIONS.

**GUTTER & CATCH BASIN APRON DETAIL**  
(N.T.S.)



NOTE: CONTRACTOR TO INSTALL TRACEABLE WIRE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATION.

**TYPICAL WATERMAIN TRENCH**  
(N.T.S.)



NOTE: ALL MECHANICAL JOINTS SHALL HAVE FLORE CARBON BOLTS

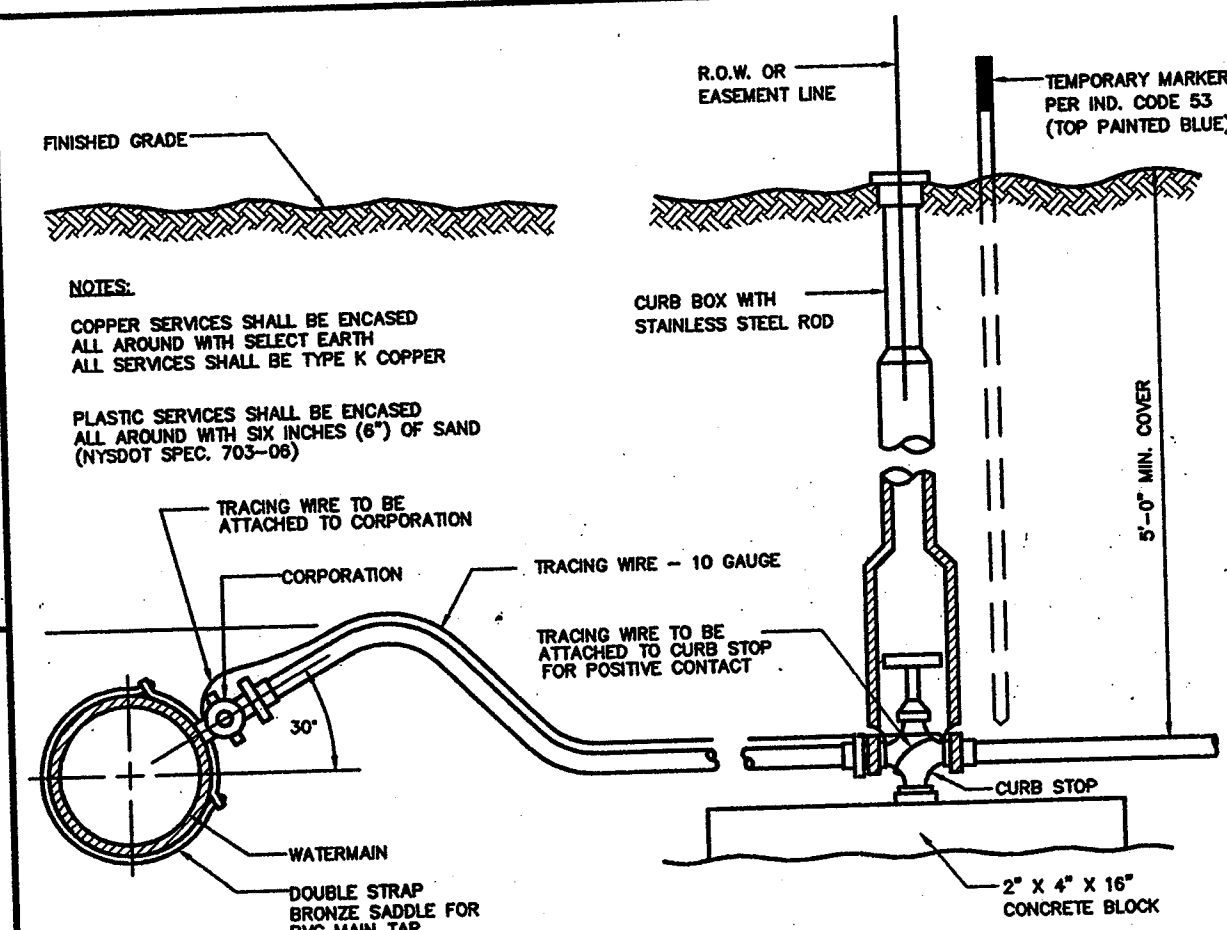
**HYDRANT UNIT**  
(N.T.S.)

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. B) BACKFILL WITH COMPACTED CRUSHER RUN STONE.
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. C) BACKFILL WITH COMPACTED CRUSHER RUN STONE.
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 CHAIRS OF CONCRETE OR CRUSHER RUN STONE (SEE TRENCH DETAIL BELOW) FOR WATER LINE AND SLEEVE LINE FOR 10 FT. EACH SIDE OF CROSSING.

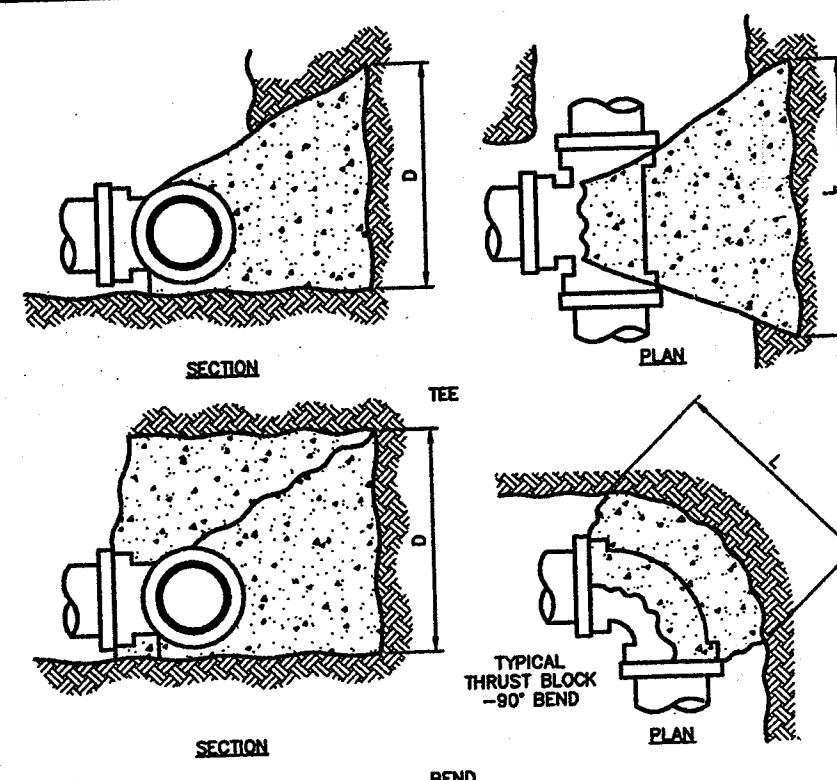
**NOTES**

WL (WATER LINE)  
SL (SEWER LINE)  
D (OUTSIDE DIAMETER OF PIPE)  
IN NO CASE SHALL PIPES BE CLOSER THAN 18" APART. DISTANCES ARE MEASURED BETWEEN OUTSIDES OF PIPE.

**WATERMAIN/SEWER CROSSING DETAIL**  
(N.T.S.)



**TOWN OF CANADAIGUA TYPICAL WATER SERVICE**  
(N.T.S.)



**NOTES**

1. ALL DIMENSIONS ARE IN FEET.  
2. BEARING AREAS ARE BASED ON ALLOWABLE SOIL BEARING PRESSURE OF 3000 P.S.F.  
3. HEIGHT OF THRUST BLOCK SHOULD BE EQUAL TO OR LESS THAN 1/2 THE DEPTH FROM THE GROUND SURFACE TO THE BASE OF THE BLOCK.  
4. ALL THRUST BLOCKS SHALL CURE A MINIMUM OF SEVEN (7) DAYS BEFORE ANY PRESSURE TESTS ARE CONDUCTED.

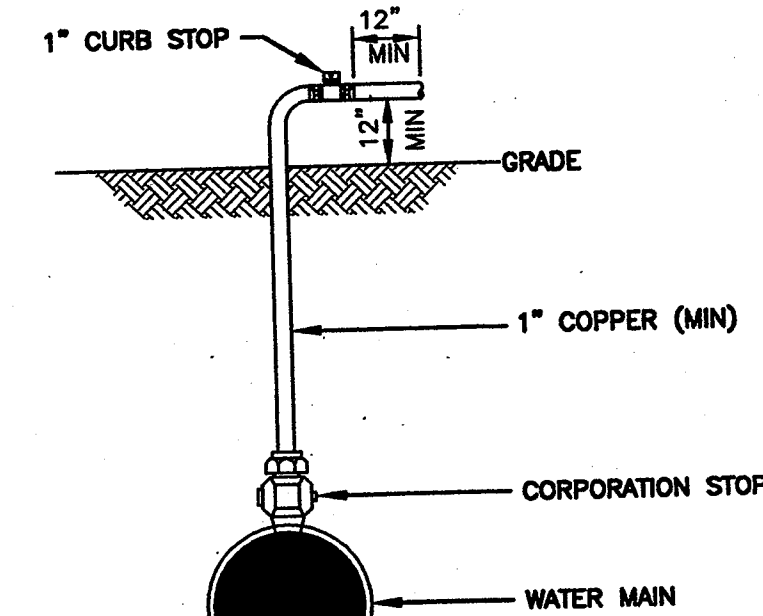
PIPE SIZE (INCHES)	WORKING PRESSURE (PSI)	TEE OR FLUG D	90° BEND D	45° BEND D	22-1/2° BEND D
150	2.00	1.25	2.00	1.75	1.50
200	2.25	1.75	3.00	2.00	1.50

**THRUST BLOCK DETAIL**  
(N.T.S.)

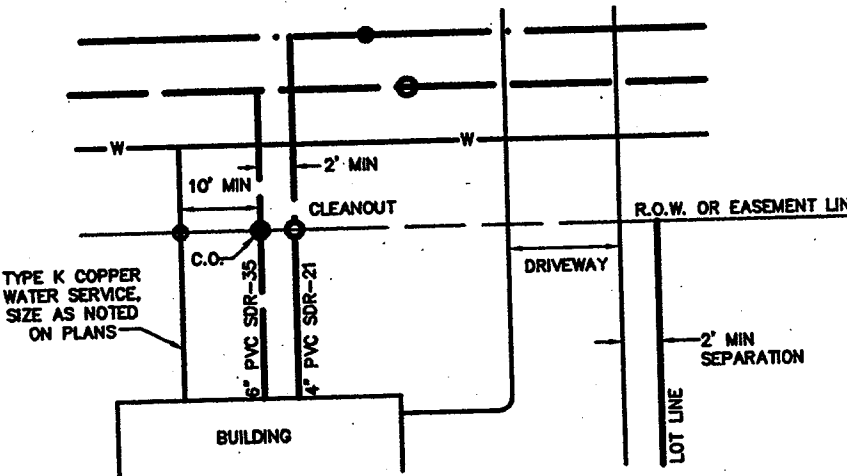
D.I.P. FOR 1000 L.F. OF LINE	TEST PRESSURE (P.S.I.)					
	100	125	150	175	200	225
P.V.C. FOR 1000 L.F. OF LINE	ALLOWABLE LEAKAGE (G.P.H.)					
	8	10	12	14	16	18
8	0.45	0.50	0.55	0.60	0.65	0.68
10	0.50	0.55	0.60	0.65	0.70	0.75
12	0.55	0.60	0.65	0.70	0.75	0.80
14	0.60	0.65	0.70	0.75	0.80	0.85
16	0.65	0.70	0.75	0.80	0.85	0.90
18	0.70	0.75	0.80	0.85	0.90	0.95

NOTES:  
1. PRESSURE TESTS SHALL BE IN CONFORMANCE WITH AWWA STANDARD C900 FOR PVC WATERMAIN AND CONDUCTED TO THE PIPE SECTIONS ARE WITHIN 10 PSI OF THE TEST PRESSURE.  
2. PRESSURE TESTS SHALL BE CONDUCTED FOR A MINIMUM OF 2 HOURS.  
3. LEAKAGE TESTS AT LINE PRESSURE SHALL BE CONDUCTED OVER A 24 HOUR PERIOD.

**WATERMAIN PRESSURE TEST**



**DISINFECTION/SAMPLING TAP**  
NOT TO SCALE



**TYPICAL LATERAL LAYOUT**  
(N.T.S.)

NOTE: SANITARY SEWER LATERALS TO BE 4" PVC SDR-21 WITH ELASTOMERIC JOINT AND CRUSHED STONE BEDDING. GLEED JOINTS ARE NOT ALLOWED OUTSIDE OF THE BUILDING. WELL MIXED CRUSHED STONE, SIZES 1 AND 2 AS SHOWN ON TABLE 703-4 OF NYSDOT MANUAL OF "MATERIAL SPECIFICATIONS" CONSTRUCTION AND MATERIALS" SHALL BE USED FOR EMBEDMENT OF SANITARY SEWER PIPE.

**NOT APPROVED**  
This plan has not received final approval of all reviewing agencies. This plan is subject to revision until all approvals are obtained and should not be used for construction purposes.

**!! CALL !!**  
**BEFORE**  
**YOU DIG, DRILL OR BLAST**  
**1-800-962-7962**

IN ACCORDANCE WITH UPO (UNDERGROUND FACILITIES PROTECTIVE ORGANIZATION), CONTRACTORS MUST NOTIFY ALL UTILITIES IN THE AREA TWO (2) WORKING DAYS BEFORE EXCAVATION.

IN ADDITION, THE CONTRACTOR SHALL NOTIFY THE MUNICIPAL SEWER AND WATER DEPARTMENTS WITHIN THE PROJECT AREA.

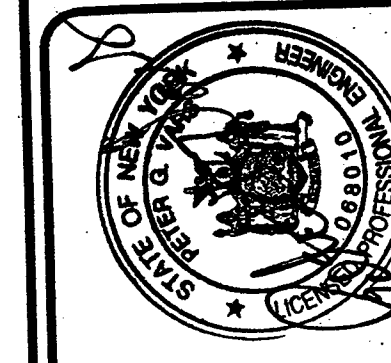
**UTILITY NOTIFICATIONS**

Drawing Alteration  
The following is an excerpt from the New York State Education Law Article 145 Section 7209 and applies to this drawing:  
It is a violation of this law for any person, when he is acting under the direction of a licensed professional engineer or architect, to alter any drawing or plan in any way, if on them bearing the name of an engineer or architect or a surveyor and civil, he has not been altered, in the original drawing or plan, and the alteration, if made, is not by the engineer or architect, or a surveyor, and the drawing or plan is not altered, and a specific description of the alteration.

REVISIONS	DATE	BY
7		
6		
5		
4		
3		
2		
1		

10 LIFT BRIDGE LINE EAST  
FAIRPORT, NEW YORK 14450  
585-377-7390  
585-377-7390

**BME ASSOCIATES**  
LANDSCAPE ARCHITECTS



**MILLER PROPERTY**

TOWN OF CANADAIGUA, ONTARIO COUNTY, NEW YORK STATE  
S & J MORRIS BUILDERS INC.  
1478 MARSH ROAD  
PITTSFORD, NY 14854

**PROJECT**

**LOCATION**

**CLIENT**

**DRAWING TITLE**

**PROJECT MANAGER**

**DATE**

**PROJECT ENGINEER**

**DATE**

**DESIGNED BY**

**DATE**

**SCALE**

**DATE ISSUED**

**AS SHOWN**

**JUNE 2008**

**PROJECT NO.**

**2191**

**PROJ.**

**12**

(SHEET 3 OF 3)