

November 21, 2019

Mr. Doug Finch, Town Manager  
Town of Canandaigua  
5440 Routes 5 & 20 West  
Canandaigua, New York 14424

**RE:    FOX RIDGE 5B-1 AMENDMENT  
       SITE PLAN REVIEW  
       TAX MAP No. 97.04-2-102.000  
       CPN No. 19-082  
       MRB PROJECT No.: 0300.12001.000 PHASE 172**

Dear Mr. Finch:

MRB has completed a review of the submitted Amended Site Plan regarding the above referenced project, dated October 2019, prepared by Professional Engineering Group. We offer the following comments for the Planning Board's consideration. A brief written response to each comment should be provided by the design engineer.

**PRELIMINARY OVERALL SUBDIVISION**

1. As this application is an amendment to the approved Preliminary Overall Subdivision for Fox Ridge 5B, a separate Preliminary Overall Subdivision Plan including title, signature lines, proposed Phases, etc... is to be provided.

**SITE PLAN**

2. Please clarify what was utilized for the project benchmark (i.e. hydrant bolt, existing monument, etc.).
3. The width of the Lake Breeze Way right of way should be noted on the plans. It is our understanding that the applicant is proposed to dedicate the hammerhead to the Town of Canandaigua? If so the right-of-way should be extended over the turnaround and labeled as such on the plans.
4. All existing, proposed easements, and right-of-ways are to be labeled on the plans. Maps and descriptions should be provided for review for all proposed easements and right-of-ways.
5. A detail with dimensions of the proposed hammerhead turnaround is to be added to the site plans. Please note that the proposed turnaround is required to meet the Town's approved hammerhead detail located within the Town of Canandaigua Site Design and Development Criteria manual (attached).
6. The width of all pavement areas (roadways, driveways, etc...) should be labeled on the plans. Pavement cross sections are to be included on the plans for review.

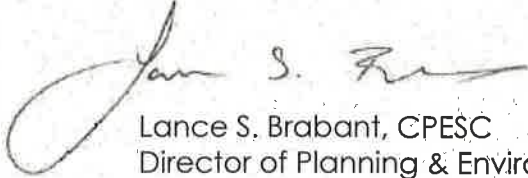
7. It appears that the existing sanitary sewer along Lake Breeze Way may be located outside of the right of way. All utilities located outside of the right-of-way will need to be provided with an easement. If an easement is already provided than it should be depicted and labeled on the plans.
8. Coordination with Canandaigua Lake County Sewer District with regards to the proposed sanitary sewer improvements will be required. All correspondences are to be forwarded to the Town and MRB.
9. The existing storm sewer system at the end of Lake Breeze Way should be extended and all homes (at a minimum the fronts of the homes) should be tied into a closed system. If the rear portions of the roofs are to discharge to splash blocks, these locations are to be identified on the plans.
10. General and Utility Note #22 appears to be specific to a different project and should be removed or revised. Note #6 should be revised to replace Town of Canandaigua with Canandaigua Lake County Sewer District.
11. Water system note #5 should be revised to indicate the Town of Canandaigua rather than the Town of Farmington.
12. A limits of disturbance line should be shown on the plans and the associated acreage labeled.
13. All existing contours should be labeled on the plans.
14. Additional silt fence should be placed along the boundary line of Phase 5B-1 and the existing residents of Fox Ridge.
15. A stabilized construction entrance, construction staging area, and temporary topsoil stockpile should be shown on the plans. A stabilized construction entrance detail should also be provided. Is any pouring of concrete proposed as part of this work? If so, a concrete washout area should be shown on the plans and a detail provided.
16. The grading notes should be revised to note that this project is operating under an existing SPDES Permit for Fox Ridge Phase 5B. As such an updated (amended) SWPPP for this application is to be provided for review and approval.
17. The temporary and permanent seeding notes should be revised to specify a fertilizer without phosphorus. The following notes should be provided:
  - *No Phosphorous shall be used at planting time unless soil testing has been completed and tested by a Horticultural Testing Lab and the soil tests specifically indicate a phosphorous deficiency that is harmful, or will prevent new lawns and plantings from establishing properly.*
  - *If soil tests indicate a phosphorous deficiency that will impact plant and lawn establishment, phosphorous shall be applied at the minimum recommended level prescribed in the soil test following all NYSDEC requirements.*

18. The Town of Canandaigua Standard Notes (attached) should be added to the plans. Also, the following Town of Canandaigua details are to be added to the plans and replace any conflicting details:

- a. Typical water service
- b. Watermain Pressure Test
- c. Temporary Blow-Off
- d. Watermain Thrust Block Schedule
- e. Temporary Disinfection/Sampling Tap/Blow-Off
- f. Pipe Bedding / Trench Detail
- g. Watermain/Sewer Crossing
- h. Typical Utility Service Plan
- i. Hydrant Unit

If you have any questions, comments or concerns regarding any of the above comments please call me at our office.

Sincerely,



Lance S. Brabant, CPESC  
Director of Planning & Environmental Services

# Town of Canandaigua

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APPENDIX: **G - 3.0**

DATE: 2018

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## STANDARD NOTES

1. 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.
2. A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IS REQUIRED TO CONFORM WITH THE LATEST NYSDEC GENERAL PERMIT AND TO THE TOWN REQUIREMENTS REGARDING MAINTENANCE AND CONTROL OF STORM WATER QUALITY AND QUANTITY.
3. ALL SWPPP'S ARE REQUIRED TO BE REVIEWED AND APPROVED BY THE TOWN CEO AND TOWN ENGINEER. THE TOWN MS4 SWPPP ACCEPTANCE FORM IS TO BE SIGNED AND INSERTED INTO THE PROJECT SWPPP PRIOR TO CONSTRUCTION.
4. THE OWNER IS RESPONSIBLE FOR IMPLEMENTING THE REQUIRED SWPPP, INCLUDING FILING OF THE "NOTICE OF INTENT" (NOI). A COPY OF THE NYSDEC ACKNOWLEDGEMENT LETTER IS TO BE PROVIDED TO THE TOWN DEVELOPMENT OFFICE AND TOWN ENGINEER PRIOR TO CONSTRUCTION.
5. A COPY OF THE PROJECT SWPPP IS TO BE PROVIDED TO THE TOWN DEVELOPMENT OFFICE, TOWN ENGINEER, AND A COPY IS TO REMAIN ONSITE DURING CONSTRUCTION AT ALL TIMES IN A MARKED AND ACCESSIBLE LOCATION.
6. ANY MODIFICATIONS OR DEVIATIONS FROM THE APPROVED PLANS, CONSTRUCTION SEQUENCE, AND/OR SWPPP, INCLUDING IMPLEMENTATION OF EROSION CONTROL MEASURES AND STORM WATER MANAGEMENT AREAS, SHALL BE APPROVED BY THE TOWN OF CANANDAIGUA AND DOCUMENTED WITHIN THE PROJECT SWPPP.
7. THE OWNER IS REQUIRED TO PROVIDE DAILY ONSITE OBSERVATION BY A LICENSE PROFESSIONAL OR A CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL (CPESC). ALL SWPPP INSPECTIONS ARE TO BE IN A FORM ACCEPTABLE BY THE TOWN OF CANANDAIGUA AND FORWARDED TO OWNER, THE TOWN CEO, TOWN ENGINEER, AND A COPY PLACED WITHIN THE ONSITE PROJECT SWPPP.
8. THE OWNER IS RESPONSIBLE FOR PROVIDING ONSITE SWPPP INSPECTIONS BY A LICENSE PROFESSIONAL OR A CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL (CPESC) DURING CONSTRUCTION ONCE PER WEEK (EVERY 7 DAYS) IF UNDER 5-ACRES OF DISTURBANCE AND TWICE PER WEEK (EVERY 7 DAYS) IF 5-ACRES OR MORE WITH RECEIPT OF A 5-ACRE WAIVER FROM THE TOWN OF CANANDAIGUA (MS4).
9. DEVELOPMENT IN THE CANANDAIGUA LAKE WATERSHED DISTURBING MORE THAN 5-ACRES AT ONE TIME, IS REQUIRED TO COORDINATE THE REGULAR SWPPP OBSERVATIONS REQUIRED BY THE LATEST GENERAL PERMIT WITH THE CANANDAIGUA LAKE WATERSHED INSPECTOR, THE WATERSHED PROGRAM MANAGER AND THE TOWN CODE ENFORCEMENT OFFICER.
10. CONSTRUCTION SEQUENCE – ALL PLANS ARE TO BE PROVIDED WITH A DETAILED CONSTRUCTION SEQUENCE. THE CONTRACTOR SHALL COMPLETE CONSTRUCTION AND INSTALL EROSION CONTROL MEASURES IN ACCORDANCE WITH THE APPROVED CONSTRUCTION SEQUENCE UNLESS SPECIFIED OTHERWISE ON THE APPROVED DESIGN PLANS OR AT THE PRE –CONSTRUCTION MEETING.
11. 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 OF CANANDAIGUA.
12. THE OWNER'S CONTRACTOR SHALL BE RESPONSIBLE FOR THE ESTABLISHMENT, MAINTENANCE, CLEANING, REPAIR AND REPLACEMENT OF EROSION CONTROL MEASURES DURING SITE CONSTRUCTION AND UNTIL THE SITE IS FULLY STABILIZED, INSPECTED BY THE TOWN OF CANANDAIGUA, AND ISSUANCE OF THE NOTICE OF TERMINATION (NOT) HAS BEEN PROVIDED TO NYSDEC.
14. ROOF LEADERS SHOULD BE CONNECTED TO STORM SEWERS WHERE POSSIBLE, UNLESS OTHERWISE SPECIFIED ON THE APPROVED PLANS AND WITHIN THE PROJECT SWPPP.
15. NO SITE PREPARATION SHALL COMMENCE UNTIL A VISUAL INSPECTION BY THE TOWN OF CANANDAIGUA, CONFIRMS THE INSTALLATION OF PERIMETER SEDIMENT CONTROLS AND THE STABILIZED CONSTRUCTION ENTRANCE.
16. UPON COMPLETION OF CONSTRUCTION AND ESTABLISHMENT OF VEGETATION, THE STORM WATER MANAGEMENT FACILITIES SHALL BE CLEANED OF ACCUMULATED SILT.

# Town of Canandaigua

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## STANDARD NOTES (CONTINUED)

17. ALL SITE STABILIZATION IS TO BE IN ACCORDANCE WITH THE LATEST VERSIONS OF THE NYSDEC STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL AND THE NYSDEC GENERAL PERMIT REQUIREMENTS (WHERE APPLICABLE).

18. ADDITIONAL TEMPORARY AND PERMANENT SEEDING AND SITE STABILIZATION REQUIREMENTS:

A. ALL DISTURBED AREAS INCLUDING TOPSOIL STOCKPILES AND STORMWATER MANAGEMENT FACILITIES ARE TO BE STABILIZED WITHIN SEVEN (7) DAYS AFTER COMPLETION.

B. TEMPORARY SEEDING OF DISTURBED AREAS SHALL BE PROVIDED AS FOLLOWS:

- THE SURFACE TWO INCHES OF SOIL SHOULD BE LOOSENEED BY DISKING, RAKING, OR BACK-BLADING WITH A BULLDOZER.
- FERTILIZE WITH 300 POUNDS PER ACRE (OR 7 POUNDS PER 1,000 SQUARE FEET).
- NO PHOSPHORUS SHALL BE USED UNLESS SOIL TESTING HAS BEEN COMPLETED AND TESTED BY HORTICULTURAL TESTING LAB AND THE SOIL TESTS SPECIFICALLY INDICATE A PHOSPHORUS DEFICIENCY THAT IS HARMFUL, OR WILL PREVENT NEW LAWNS AND PLANTINGS FROM ESTABLISHING PROPERLY.
- IF SOIL TESTS INDICATE A PHOSPHORUS DEFICIENCY THAT WILL IMPACT PLANT AND LAWN ESTABLISHMENT, PHOSPHORUS SHALL BE APPLIED AT THE MINIMUM RECOMMENDED LEVEL PRESCRIBED IN THE SOIL TEST FOLLOWING ALL NYSDEC REGULATIONS.
- THE FOLLOWING SEED MIX SHALL BE USED:

<u>SPRING/SUMMER/EARLY FALL</u>	<u>LBS/ACRE</u>	<u>LBS/1,000 SQ. ACRE</u>
ANNUAL RYE GRASS	30	0.7
PERENNIAL RYEGRASS	30	0.7
<u>LATE FALL/EARLY WINTER</u>		
CEREAL RYE	100	2.5

- SEED SHOULD HAVE A GERMINATION RATE OF AT LEAST 85 PERCENT AND MINIMAL INERT MATERIAL.

C. DISTURBED AREAS SHALL BE STABILIZED USING PERMANENT LAWN SEEDING MIX UPON COMPLETION OF GRADING AND CONSTRUCTION:

	<u>LBS/ACRE</u>	<u>LBS/1,000 SQ. ACRE</u>
BIRDSFOOT TREFOIL OR COMMON WHITE CLOVER	8 OR 8	0.20 OR 0.20
TALL FESCUE	20	0.45
REDFEET OR RYEGRASS (PERENNIAL)	2 OR 5	0.05 OR 0.10

- SEEDING RATE: 6.0 POUNDS PER 1,000 SQUARE FEET
- MULCH: STRAW OR WOOD FIBER MULCH USED WITH HYRDO SEEDING METHOD AT TWO TONS PER ACRE WITH TACKIFIER.
- FOR FALL OR EARLY WINTER, SEED WITH CERTIFIED "AROOSTOCK" WINTER RYE (CEREAL RYE) AT 100 POUNDS PER ACRE.
- PERMANENT STABILIZATION FOR STEEP SLOPES GREATER THAN 3:1 SHALL INCLUDE JUTE MESH BLANKET AND CROWN VETCH SEED WITH PERENNIAL RYEGRASS.

19. THE CONTRACTOR SHALL LOCATE, MARK, SAFEGUARD AND PRESERVE ALL SURVEY CONTROL MONUMENTS AND RIGHT-OF-WAY MONUMENTS IN THE AREAS OF CONSTRUCTION.

20. EXISTING UNDERGROUND UTILITIES SHOWN HEREIN WERE PLOTTED FROM FIELD LOCATIONS AND/OR UTILITY COMPANY RECORD PLANS. PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHALL CALL THE DIG SAFELY NEW YORK (UFPO) HOTLINE AT 1-800-962-7962 FOR STAKEOUT OF EXISTING UTILITIES. THE CONTRACTOR SHALL DETERMINE EXACT LOCATION AND ELEVATION OF UNDERGROUND UTILITIES BEFORE COMMENCING CONSTRUCTION. CONTRACTOR SHALL MAKE EXPLORATION EXCAVATIONS TO LOCATE EXISTING UNDERGROUND FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS AS REQUIRED TO MEET THE EXISTING CONDITIONS.

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## STANDARD NOTES (CONTINUED)

21. THE HOMEBUILDER WILL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING INDIVIDUAL LOT EROSION & SEDIMENT CONTROL MEASURES, DURING HOUSE CONSTRUCTION. MEASURES TO BE MAINTAINED UNTIL FINAL LOT LAWN GRADING AND SITE IS FULLY STABILIZED AND INSPECTED BY THE TOWN OF CANANDAIGUA.
22. ANY ADDITIONAL EROSION OR SEDIMENT CONTROL MEASURES DEEMED NECESSARY BY THE TOWN OF CANANDAIGUA OR A REPRESENTATIVE THEREOF SHALL BE PROVIDED BY THE OWNER AND INSTALLED BY THE CONTRACTOR.
23. SEDIMENT CONTROL MEASURES ARE TO BE ESTABLISHED PRIOR TO COMMENCING EARTHWORK. SEDIMENT CONTROL MEASURES ARE TO BE MAINTAINED BY THE CONTRACTOR UNTIL UPSTREAM GROUND COVER HAS BEEN ESTABLISHED AND REMOVAL IS APPROVED BY THE TOWN OF CANANDAIGUA.
24. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING, REPLACING AND SUBSEQUENTLY REMOVING TEMPORARY EROSION & SEDIMENT CONTROL DEVICES.
25. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING ADJOINING PROPERTIES, ROADWAYS, DRAINAGE WAYS AND SINKS OF SILT ACCUMULATION AS NEEDED AND AS DETERMINED/REQUESTED BY THE TOWN OF CANANDAIGUA.
26. ANY FINAL GRADE DEVIATIONS OF HOUSE PAD ELEVATIONS MORE THAN 12 INCHES SHALL BE APPROVED BY THE PLANNING BOARD.

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		TEST PRESSURE (P.S.I.)					
		200	225	250	275	300	
		PIPE DIA. (INCHES)	ALLOWABLE LEAKAGE (gal/hour)				
D.I.P. PER 1,000 L.F. OF LINE	6	0.64	0.68	0.71	0.75	0.78	
	8	0.85	0.90	0.95	1.00	1.04	
	10	1.06	1.13	1.19	1.24	1.30	
	12	1.28	1.35	1.42	1.49	1.56	
P.V.C. PER 1,000 L.F. OF LINE	6	0.57	0.61	0.64	0.67	0.70	
	8	0.76	0.81	0.85	0.90	0.94	
	10	0.96	1.02	1.07	1.12	1.17	
	12	1.15	1.22	1.28	1.34	1.40	

## NOTES:

1. TEST PRESSURE TO BE 200 P.S.I. OR 1.5 x WORKING PRESSURE, WHICHEVER IS GREATER.
2. PRESSURE TESTS SHALL BE CONDUCTED SO THE PIPE SECTIONS ARE WITHIN 10 PSI OF THE TEST PRESSURE LOCATION.
3. PRESSURE TESTS SHALL BE CONDUCTED FOR A MINIMUM OF 2 HOURS.
4. LEAKAGE TESTS AT LINE PRESSURE SHALL BE CONDUCTED OVER A 24 HOUR PERIOD.

## WATERMAIN PRESSURE TEST



# Town of Canandaigua

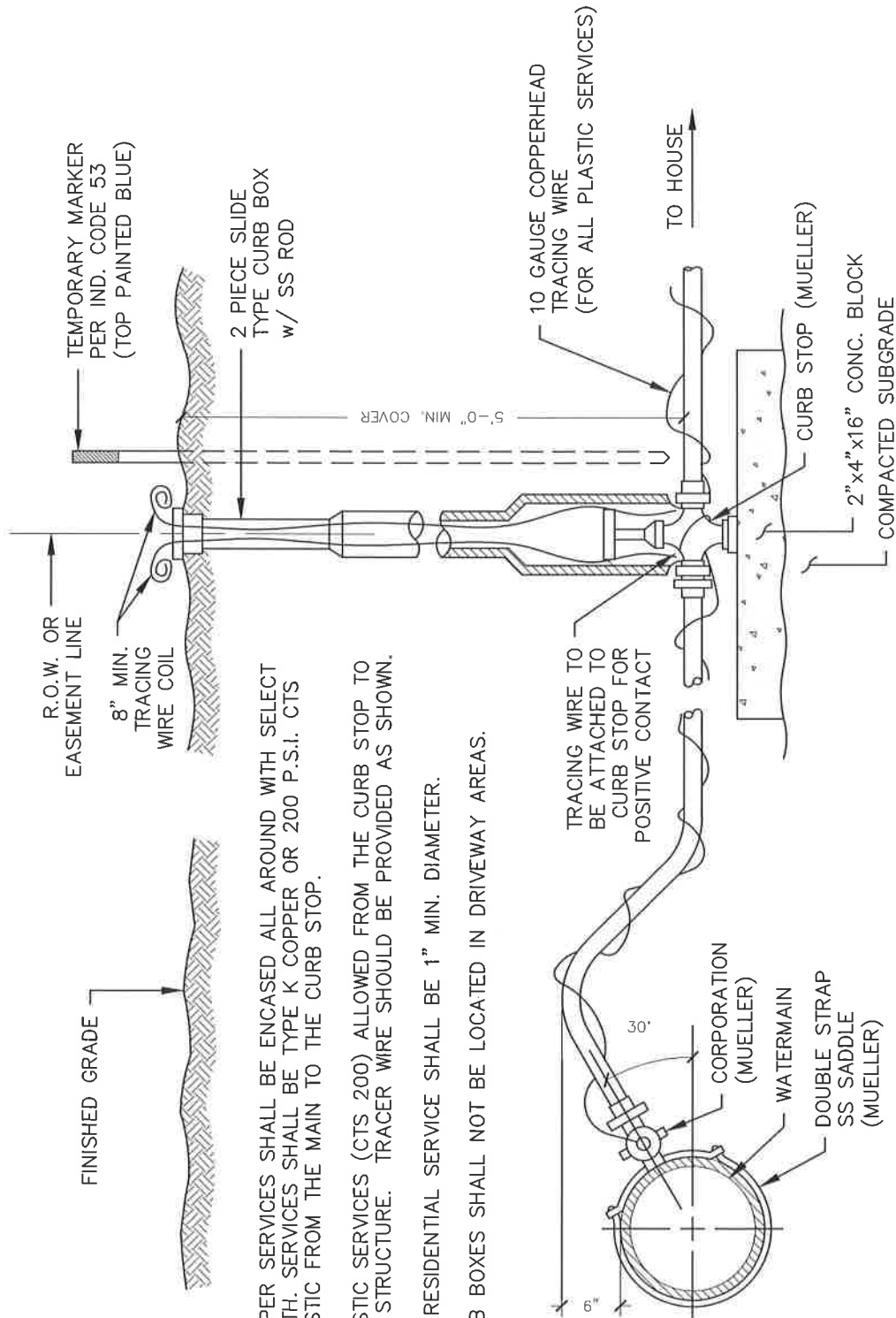
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## NOTES:

1. COPPER SERVICES SHALL BE ENCASED ALL AROUND WITH SELECT EARTH. SERVICES SHALL BE TYPE K COPPER OR 200 P.S.I. CTS PLASTIC FROM THE MAIN TO THE CURB STOP.
2. PLASTIC SERVICES (CTS 200) ALLOWED FROM THE CURB STOP TO THE STRUCTURE. TRACER WIRE SHOULD BE PROVIDED AS SHOWN.
3. ALL RESIDENTIAL SERVICE SHALL BE 1" MIN. DIAMETER.
4. CURB BOXES SHALL NOT BE LOCATED IN DRIVEWAY AREAS.

## TYPICAL WATER SERVICE



# Town of Canandaigua

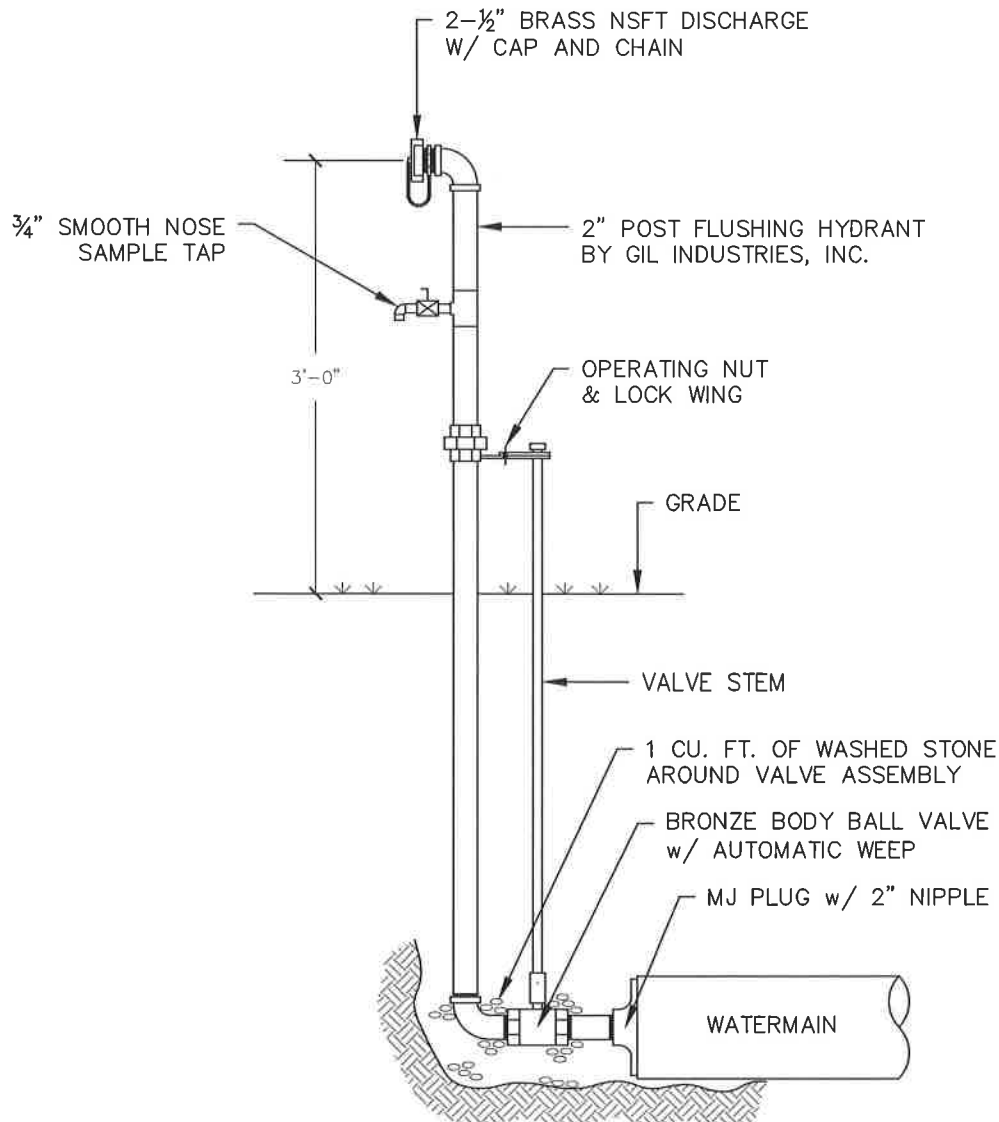
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## TEMPORARY BLOW-OFF DETAIL

# Town of Canandaigua

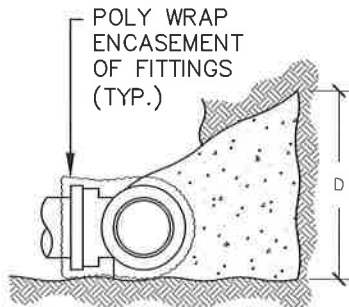
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APPENDIX: **W - 5.0**

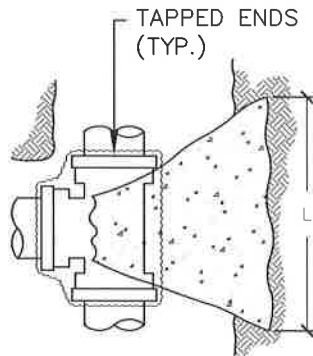
DATE: 2018

SCALE: N.T.S.

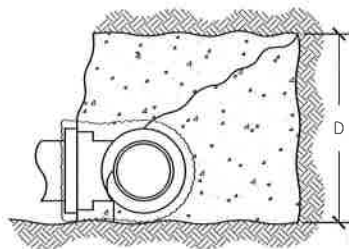
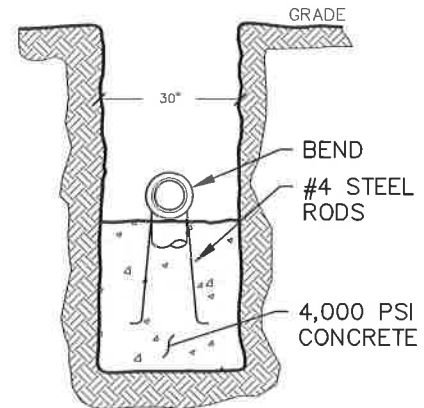
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**SECTION**

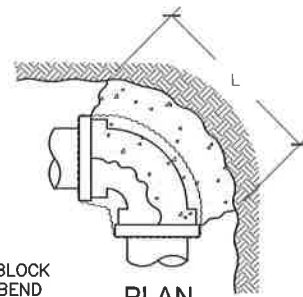


**PLAN**

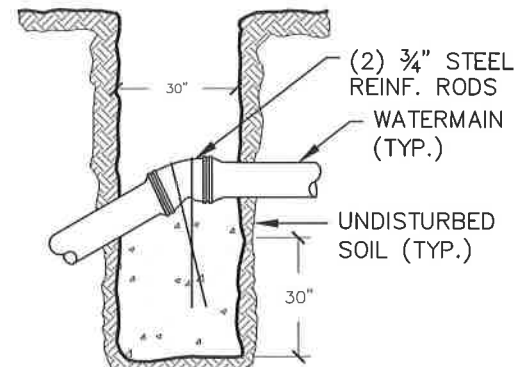


**SECTION**

TYPICAL THRUST BLOCK SHOWN FOR 90° BEND



**PLAN**



**VERTICAL**

## THRUST BLOCK DETAIL

PIPE SIZE (INCHES)	WORKING PRESSURE (PSIG)	TEE OF PLUG		90° BEND		45° BEND		22-1/2° BEND	
		L	D	L	D	L	D	L	D
4	200	2.00	1.00	2.25	1.25	2.00	0.75	1.25	0.75
	300	2.50	1.25	2.75	1.50	2.25	1.00	1.50	1.00
6	200	3.00	1.25	3.25	1.75	2.50	1.25	2.00	0.75
	300	3.50	1.50	4.00	2.00	3.25	1.50	2.25	1.00
8	200	3.25	2.00	4.25	2.25	3.75	1.75	2.25	1.25
	300	4.00	2.50	5.25	2.75	4.00	2.25	3.00	1.50
10	200	4.25	2.25	5.25	2.50	4.00	2.00	3.00	1.25
	300	5.50	2.50	6.50	3.00	5.00	2.50	4.00	1.50
12	200	5.25	2.50	6.00	3.25	4.50	2.25	3.25	1.75
	300	6.25	3.25	7.50	4.00	5.50	2.75	4.25	2.00
14	200	5.50	3.25	7.25	3.50	5.25	2.50	3.25	2.00
	300	10.25	5.00	9.00	4.25	6.50	3.00	5.00	2.25
16	200	6.5	3.50	8.25	4.00	5.50	3.25	4.50	2.25
	300	8.25	4.25	10.00	5.00	7.25	3.75	5.25	3.00

### NOTES:

1. ALL DIMENSIONS ARE IN FEET.
2. BEARING AREAS ARE BASED ON ALLOWABLE SOIL BEARING PRESSURE OF 2000 PSF.
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.
5. CONCRETE SHALL BE MINIMUM 3000 PSI.
6. RESTRAINING RODS MAY BE USED IN LEIU OF THRUST BLOCKS. METHOD TO USED SHALL BE APPROVED BY ENGINEER PRIOR TO PLACEMENT.

## WATERMAIN THRUST BLOCK SCHEDULE

# Town of Canandaigua

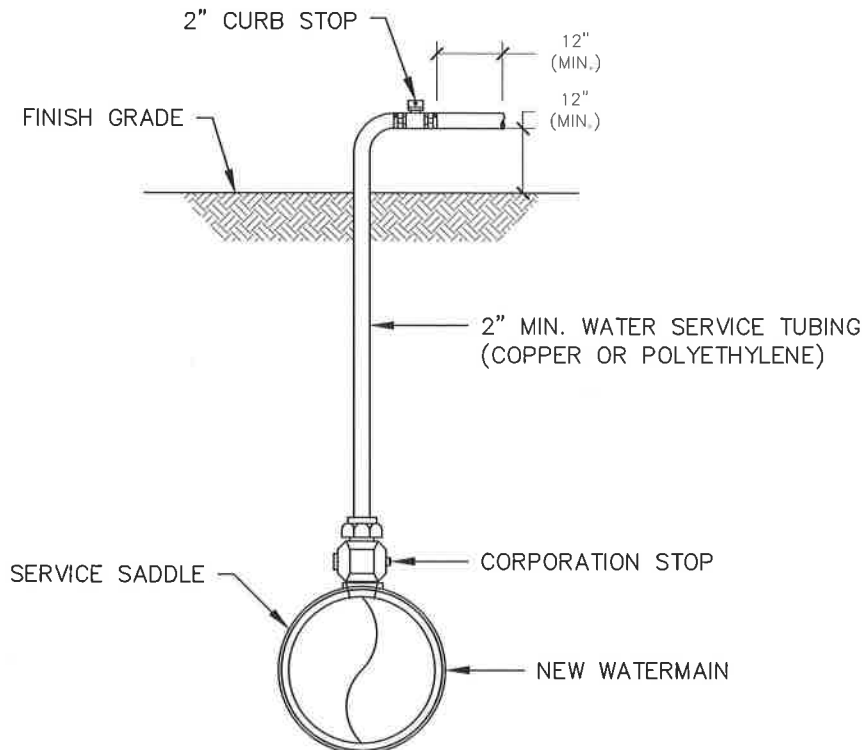
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APPENDIX: **W - 7.0**

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## NOTES:

1. UPON NOTIFICATION FROM THE HEALTH DEPARTMENT THAT A SATISFACTORY WATER SAMPLE HAS BEEN OBTAINED, SHUT DOWN CORPORATION STOP AND REMOVE THE SERVICE TUBING.
2. IMMEDIATELY PRIOR TO PLACING THE WATER MAIN IN SERVICE THE CONTRACTOR SHALL REMOVE ALL CORPORATIONS ASSOCIATED WITH TEMPORARY FACILITIES ( I.E. SAMPLING TAPS, ETC.) AND REPLACE WITH THREADED BRASS PLUGS.
3. FOR DISINFECTION\SAMPLING TAPS THAT ARE NOT NEEDED TO BLOW-OFF, 1" DISINFECTION\SAMPLING TAPS ARE ACCEPTABLE.
4. 1000 LF MAXIMUM DISTANCE BETWEEN SAMPLE TAPS UNLESS OTHERWISE SPECIFIED BY ENGINEER.

**TEMPORARY DISINFECTION /**  
**SAMPLING TAP / BLOW-OFF**

# Town of Canandaigua

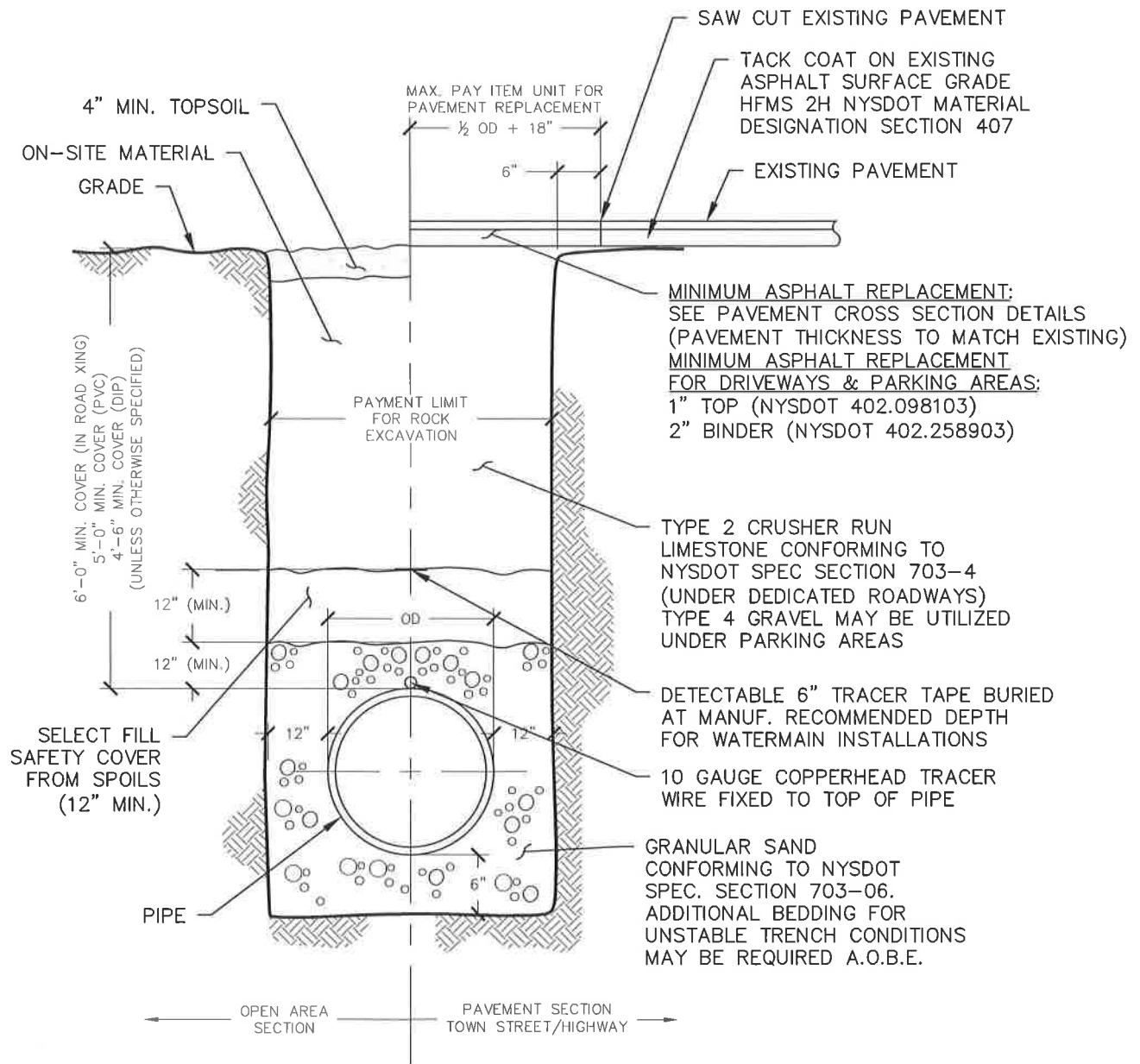
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## PIPE BEDDING/ TRENCH DETAIL

(OUTSIDE OF N.Y.S. HIGHWAYS)

# Town of Canandaigua

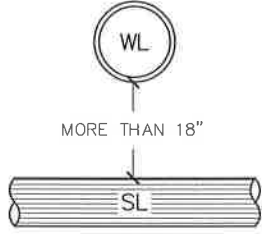
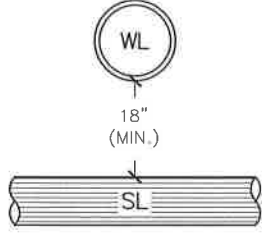
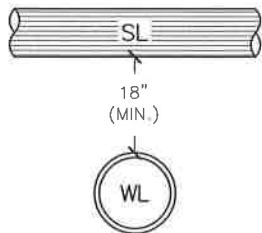
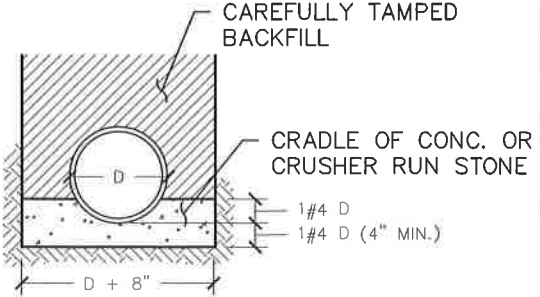
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CONDITION	SCHEMATIC	REQUIREMENTS
I WATER LINE ABOVE SEWER LINE		<p>A) WATER LINE AND SEWER LINE PIPE LENGTHS TO BE CENTERED AT CROSSING. EACH LENGTH OF PIPE TO BE 10 FT. MINIMUM.</p> <p>B) BACKFILL WITH COMPACTED CRUSHER RUN STONE.</p>
II WATER LINE ABOVE SEWER LINE		<p>A) WATER LINE AND SEWER LINE PIPE LENGTHS TO BE CENTERED AT CROSSING. EACH LENGTH OF PIPE TO BE 10 FT. MINIMUM.</p> <p>B) WHEN BOTH WATER LINE AND SEWER LINE ARE NEW, SLEEVE SEWER LINE WITH STEEL CASING FOR 10 FT. EACH SIDE OF CROSSING.</p> <p>C) WHEN ONE LINE IS EXISTING, SLEEVE PIPE BEING INSTALLED WITH STEEL CASING FOR 10 FT. EACH SIDE OF CROSSING.</p> <p>D) BACKFILL WITH COMPACTED CRUSHER RUN STONE.</p>
III SEWER LINE ABOVE WATER LINE		<p>A) WATER LINE AND SEWER LINE PIPE LENGTHS TO BE CENTERED AT CROSSING. EACH LENGTH OF PIPE TO BE 10 FT. MINIMUM.</p> <p>B) SLEEVE SEWER LINE WITH STEEL CASING FOR 10 FT. EACH SIDE OF CROSSING.</p> <p>C) PROVIDE CRADLE OF CONCRETE OR CRUSHER RUN STONE (SEE TRENCH DETAIL BELOW) FOR WATER LINE AND SEWER LINE FOR 10 FT. EACH SIDE OF CROSSING.</p>
<p><u>NOTES</u></p> <p>WL (WATER LINE) SL (SEWER LINE) D (OUTSIDE DIAMETER OF PIPE)</p> <p>IN NO CASE SHALL PIPES BE CLOSER THAN 18" APART. DISTANCES ARE MEASURED BETWEEN OUTSIDES OF PIPE.</p>		

## WATERMAIN/SEWER CROSSING DETAIL

# Town of Canandaigua

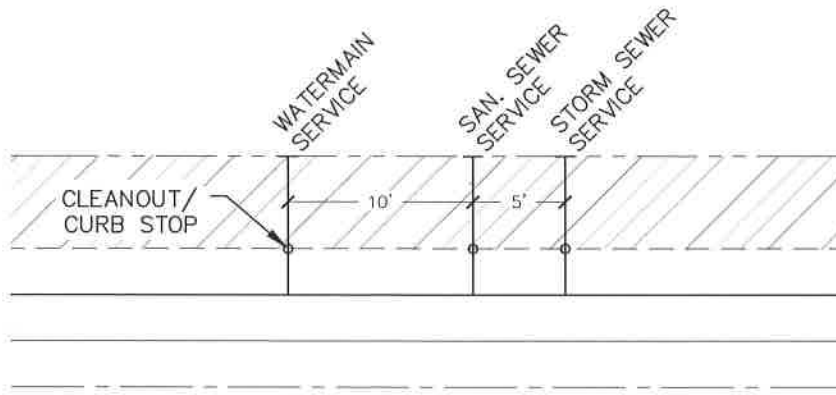
5440 Route 5 & 20 West  
Canandaigua, NY 14424  
(585) 394-1120  
Fax (585) 394-9476  
*Established 1789*

APPENDIX: **W - 10.0**

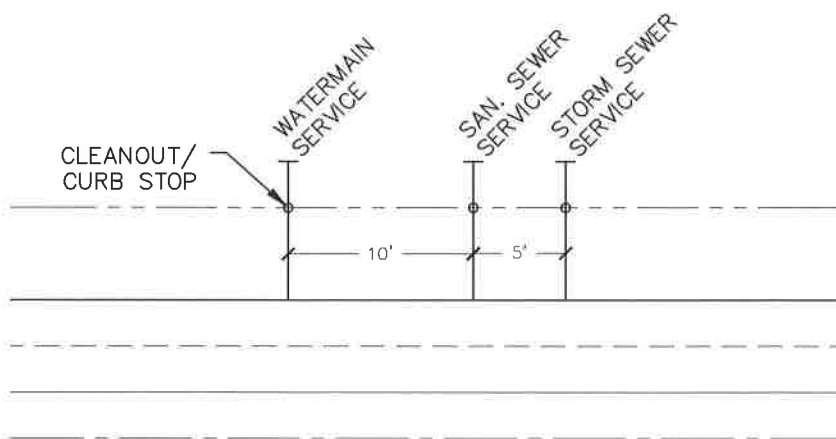
DATE: 2018

SCALE: N.T.S.

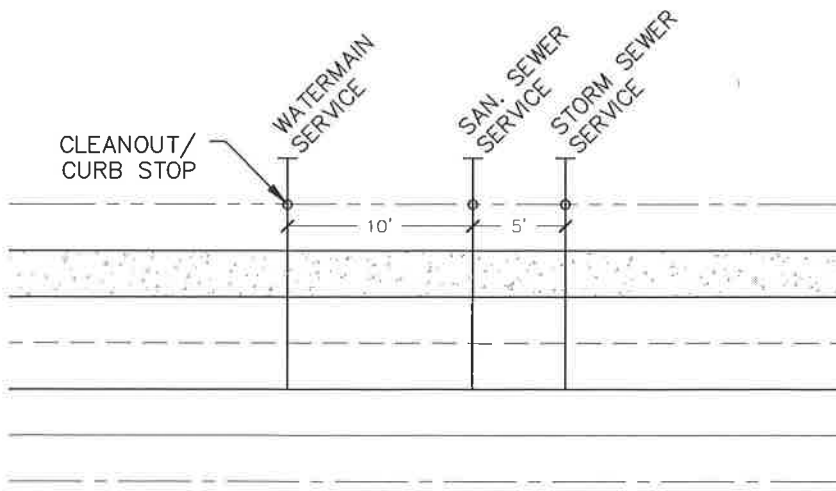
**MRB** | group



## INSIDE R.O.W.



## OUTSIDE R.O.W.



## SIDEWALK

# TYPICAL UTILITY SERVICE PLAN

# Town of Canandaigua

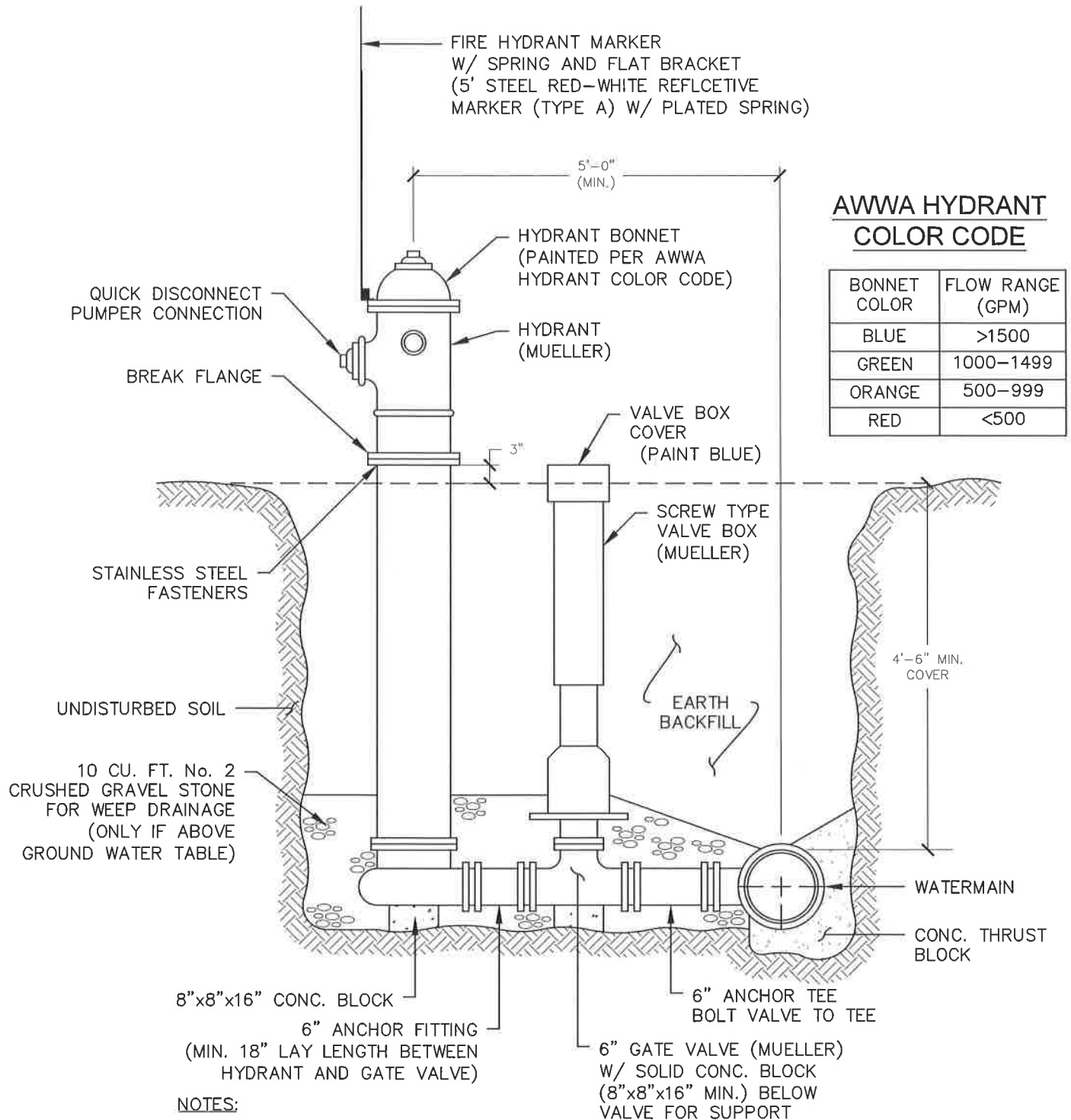
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(585) 394-1120  
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*Established 1789*

APPENDIX: **W - 6.0**

DATE: 2018

SCALE: N.T.S.

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## HYDRANT UNIT



# Town of Canandaigua

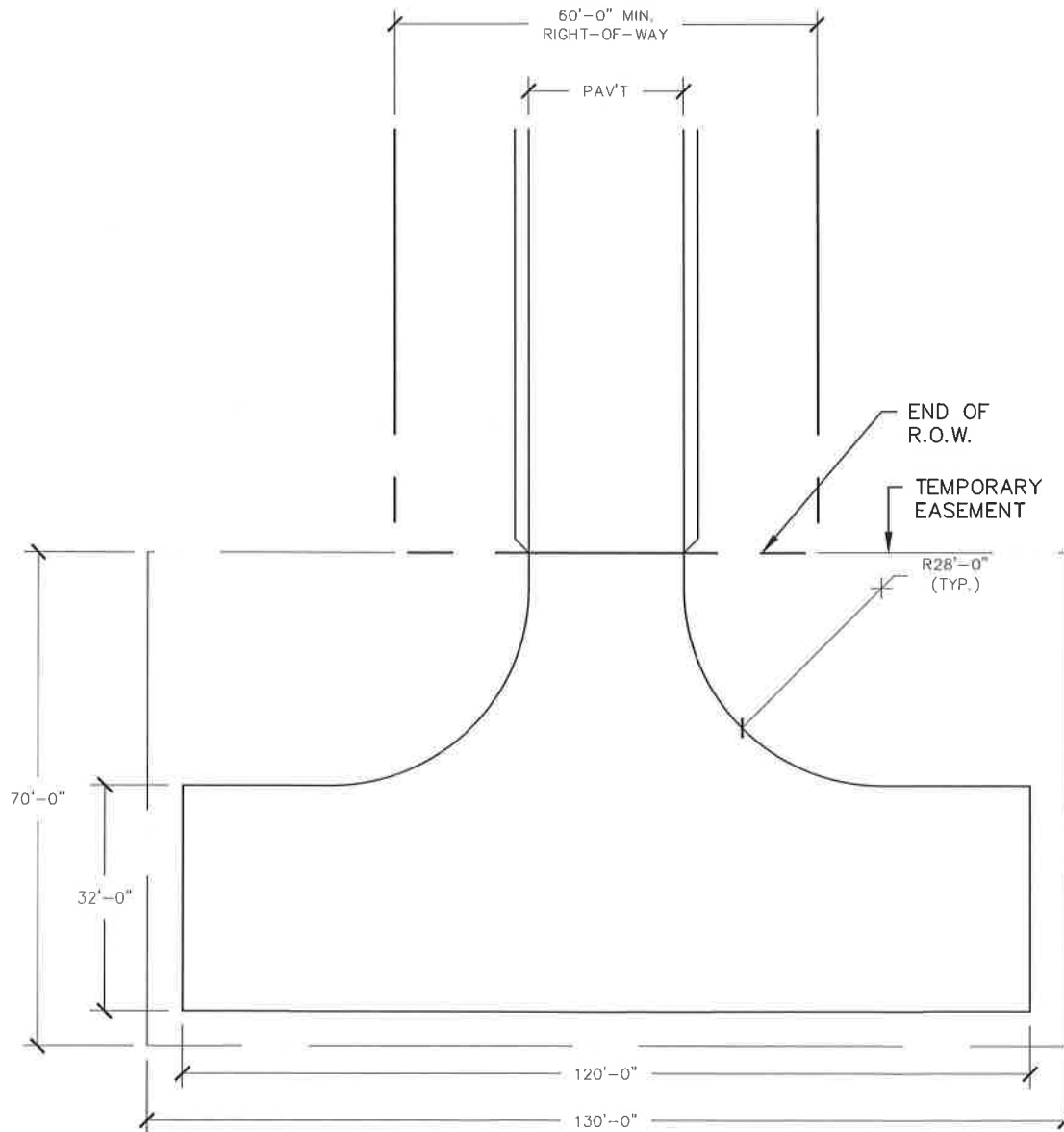
5440 Route 5 & 20 West  
Canandaigua, NY 14424  
(585) 394-1120  
Fax (585) 394-9476  
*Established 1789*

APPENDIX: **H - 7.0**

DATE: 2018

SCALE: N.T.S.

**MRB** | group



## NOTES:

1. LARGER AREAS MAY BE REQUIRED FOR SNOW STORAGE OR TOPOGRAPHY. R.O.W. SHOULD EXTEND TO THE PROPERTY LINE FOR FUTURE DEVELOPMENT.

## HAMMER HEAD TURN-AROUND