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UTILITY NOTES:

- ALL IMPROVEMENTS SHALL BE IN ACCORDANCE WITH THE MOST RECENT STANDARDS AND SPECIFICATIONS OF THE TOWN OF CANANDAIGUA, THE APPROPRIATE AGENCIES (E, NYS HEALTH DEPARTMENT) UNLESS OTHERWISE NOTED.
- 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 EXISTING CONDITIONS.
- DOWNSPOUTS SHALL DISCHARGE ON SPLASH BLOCKS. FOUNDATION DRAINS SHALL DISCHARGE ON SPLASH BLOCKS VIA SUMP PUMPS.
- ALL LATERALS OR SERVICES SHALL BE AS NOTED BELOW UNLESS OTHERWISE NOTED ON THE PLANS.  
ROOF LEADERS - 6" PVC SDR-21  
FOOTER DRAIN - 6" PVC SDR-21

SOIL DATA			
DEEP HOLE TEST PIT #1 (HOUSE):	DEEP HOLE TEST PIT #2 (WWTS):	DEEP HOLE TEST PIT #3 (HOUSE):	PERCOLATION TESTS:
0-12" TOPSOIL	0-10" TOPSOIL	0-10" TOPSOIL	PH1: 16, 27, 39, 39, 41 (MIN.)
12-30" SILTY CLAY LOAM (GRAY)	10-24" FINE SANDY LOAM (REDDISH)	10-24" GRAVELLY SILTY CLAY LOAM (GRAY)	PH3: 13, 26, 31, 32 (MIN.)
30-100" SILTY CLAY LOAM (REDDISH)	24-40" GRAVELLY SILTY CLAY LOAM (GRAY)	24-52" GRAVELLY SILTY CLAY LOAM (REDDISH)	PH5: 18, 25, 27, 27 (MIN.)
NOTE: SEE PAGE @ 48"-100"	40-72" GRAVELLY FINE SANDY LOAM (GRAY)	52-96" GRAVELLY CLAY LOAM (GRAY)	PH6: 14, 22, 26, 27 (MIN.)
	NOTE: SEE PAGE @ 24"-72"	NOTE: SEE PAGE @ 52"-96"	

- PERCOLATION HOLE #3 (12" DEEP)/PERCOLATION HOLES #1, #5, #6 (24" DEEP)
- PERCOLATION HOLES CONDUCTED BY BME ASSOCIATES ON 11/16/17
- DEEP HOLE OBSERVATION BY BME ASSOCIATES ON 1/25/2018
- NO BEDROCK ENCOUNTERED

STANDARD NOTES FOR WASTEWATER TREATMENT SYSTEM (WWTS):

- LEACH LINES SHALL NOT CROSS WATER OR GAS LINES.
- LAUNDRY WASTES SHALL BE DISCHARGED TO THE SEPTIC SYSTEM. LINE SHALL HAVE CHECK VALVE IF PUMPED TO SYSTEM. CELLAR AND FOUNDATION DRAINS OF UNMAINTAINED GROUNDWATER SHALL DISCHARGE ONTO SPLASH BLOCKS OR DAYLIGHT.
- ALL NON-WASTEWATER FLOWS ARE TO BE DIVERTED AWAY FROM THE SEPTIC SYSTEM. (I.E., SUMP PUMPS, ROOF LEADERS)
- THE PROPOSED ABSORPTION FIELD AREA SHALL BE STAKED OUT TO PREVENT ENTRY OF VEHICLES AND MATERIALS. NO EARTHWORK SHALL BE ALLOWED IN THE WWTS AREA. IF THIS AREA IS DISTURBED, NEW PERCOLATION TESTS MAY BE REQUIRED AND SEPTIC SYSTEM APPROVAL MAY BE REVOKED.
- RISER TO GRADE IS REQUIRED IF THE DIFFERENCE BETWEEN THE FINISHED GRADE AND TOP OF SEPTIC TANK EXCEEDS 12".
- THE AREA TO BE USED FOR THE WWTS SHALL NOT BE USED TO PARK VEHICLES EITHER BEFORE, DURING OR AFTER THE CONSTRUCTION OF THE WWTS TO PROTECT THE INTEGRITY OF THE SITE SOILS. THE AREA OF THE WASTEWATER TREATMENT SYSTEM (WWTS) SHALL BE MAINTAINED AS LAWN AND SHALL NOT BE USED FOR THE CONSTRUCTION OF POOLS, SHEDS OR ANY OTHER STRUCTURES, TREES OR ANIMAL PASTURES. A MINIMUM OF 6" OF TOPSOIL SHALL BE PLACED ON TOP OF THE SYSTEM TO ENHANCE GRASS GROWTH AND GRADED TO SHED SURFACE WATER AWAY FROM THE SYSTEM. THE DISTRIBUTION LINES SHALL BE INSTALLED AS SHOWN ON THE APPROVED PLAN.
- ANY CHANGE IN HOUSE LOCATION AND/OR WWTS LOCATION OR ELEVATION SHALL REQUIRE ADDITIONAL REVIEW AND RE-APPROVAL FROM THE TOWN.
- THE INSTALLATION OF THE WWTS SHALL BE REVIEWED BY A DESIGN PROFESSIONAL BEFORE IT IS BACKFILLED. THE INSTALLER SHALL GIVE AMPLE NOTICE TO THE DESIGN PROFESSIONAL FOR SUCH REVIEW.
- NO WELLS WERE OBSERVED WITHIN 200' OF THE PROPOSED WWTS.
- THE HOUSE SOIL PIPE SHALL BE VENTED INSIDE OF THE BUILDING AS REQUIRED BY NYS BUILDING/PLUMBING CODES.

CONSTRUCTION PROCEDURES:

- HEAVY CONSTRUCTION EQUIPMENT SHALL NOT BE ALLOWED WITH THE AREA OF THE SYSTEM. THE ORIGINAL SOIL MUST BE LEFT IN PLACE. THE SOIL MUST NOT BE WET DURING WWTS INSTALLATION.
- NO STANDING WATER IN THE WWTS AREA IS ALLOWED.
- EXCAVATED TRENCH MATERIAL MUST BE PLACED ON THE EDGE OF THE TRENCHES AND PUSHED INTO PLACE BY A BULLDOZER WHILE MAINTAINING AT LEAST SIX (6) INCHES OF FILL UNDER THE TRACKS.
- THE BOTTOM OF THE PROPOSED ABSORPTION TRENCHES SHALL BE CONSTRUCTED  $\pm 6"$  IN THE INSITU MATERIAL.
- THE ENTIRE SURFACE OF THE SYSTEM, SHALL BE PROVIDED / COVERED WITH A MINIMUM OF SIX (6) INCHES OF TOPSOIL MOUND TO ENHANCE RUNOFF FROM THE SYSTEM AND SEED TO GRASS.
- THE ABSORPTION SYSTEM SHALL BE CONSTRUCTED WITH SUITABLE SOIL FILL WITH AN INSITU PERCOLATION RATE SIMILAR TO BUT NOT FASTER THAN THE DESIGN PERCOLATION RATE. FILL MATERIAL SHALL BE PLACED AND ALLOWED 6 MONTHS SETTLING TIME INCLUDING 1 FREEZE/THAW CYCLE OR, IF SANDY MATERIAL IS USED, IT MAY BE INSTALLED IN 6" LIFTS.

SPECIFICATION LEGEND:

ALL STRUCTURES, PIPING AND OTHER COMPONENTS TO COMPLY WITH THE MCDPH ONSITE WASTEWATER TREATMENT SYSTEM DESIGN AND CONSTRUCTION STANDARDS HANDBOOK REQUIREMENTS.

- BUILDING TO SEPTIC TANK - SCH. 40 PVC  $\phi 1/4"$  PER FT. MINIMUM, INSTALLED ON A COMPACTED 4" CRUSHED STONE OR SAND BASE.
- LAUNDRY FACILITIES WASTE SHALL DISCHARGE DIRECTLY TO THE SEPTIC TANK. IF A FORCED SYSTEM IS USED, THE DISCHARGE SYSTEM SHALL INCLUDE A CHECK VALVE.
- SEPTIC TANK (SEE DETAIL) - SHALL BE A KISTNER PRODUCTS WATERTIGHT CONCRETE TANK OR EQUAL. THE TANK SHALL BE DUAL COMPARTMENT WITH A CAPACITY OF 1250 GALLONS WITH A MINIMUM LIQUID SURFACE AREA OF 34 SQ. FT. FOR THE WWTS DESIGN FOR THE PROPOSED HOME SITES. SEPTIC TANK SIZE ACCOUNTS FOR USE OF A KITCHEN GARBAGE GRINDER.
- SEPTIC TANK TO DROP BOX - 4" SCH. 40 PVC AND LAID  $\phi 1/8"$  PER FT. MINIMUM, INSTALLED ON A COMPACTED 4" CRUSHED STONE OR SAND BASE.
- DROP BOXES (FIVE TOTAL-SEE DETAIL) - SHALL BE KISTNER PRECAST CONCRETE TYPE II DROP BOX OR APPROVED EQUAL AND INSTALLED PER DETAIL. HEADER PIPES FROM THE DROP BOX TO PERFORATED DISTRIBUTION LINES SHALL BE SOLID 4" PVC (MINIMUM 3000 LBS CRUSH STRENGTH)  $\phi 1/32"$  PER FT. MINIMUM OR 10% MAXIMUM, ALL LINES ARE TO HAVE TIGHT JOINTS AND ARE TO BE LAID AT EQUAL SLOPES. HEADER PIPES SHALL HAVE SPEED LEVELERS INSTALLED IN THE DROP BOXES TO FACILITATE EQUAL DISTRIBUTION OF SEPTIC TANK EFFLUENT.
- LEACH LINES - 4" PERFORATED PVC PER ASTM D2729 (MINIMUM 3000 LBS CRUSH STRENGTH)  $\phi 1/32"$  PER FT. MINIMUM AND 1/16" PER FT. MAXIMUM, ALL LINES ARE TO HAVE TIGHT JOINTS. SEE GRAVELLESS CHAMBER SUBSTITUTION NOTES.
- BUILDING FOOTER (AS NECESSARY) AND ROOF DRAINAGE SYSTEMS (6" PVC, SDR 21  $\phi 1/2"$  MIN) SHALL DISCHARGE WATER AWAY FROM THE WASTEWATER TREATMENT SYSTEM AND TO THE LOW SIDE OF THE AREA TO BE DEVELOPED. SITE DESIGN WILL REQUIRE BASEMENT SUMP PUMP, SPLASH BLOCKS AND ANIMAL GUARDS SHALL BE PROVIDED AT ALL DISCHARGE POINTS.
- WATER SUPPLY SHALL BE FROM THE PROPOSED WELL. THE WATER SERVICE TO THE HOME CAN BE EITHER 1" TYPE K COPPER OR 1" POLYETHYLENE TUBING (CTS) PE 4710 FROM THE WELL TO THE HOME. THE WELL SHALL BE INSTALLED PER NYSDOH REGULATIONS APPENDIX 5-B, EFFECTIVE DATE 5-16-2018 AND PER PLAN DETAILS. THE WELL SHALL BE TESTED FOR QUALITY AND QUANTITY PER SAID NYSDOH STANDARDS. THE WATER SERVICE SHALL BE INSTALLED A MINIMUM OF 10' HORIZONTALLY FROM ANY WASTEWATER TREATMENT SYSTEM COMPONENT.

SITE NOTES:

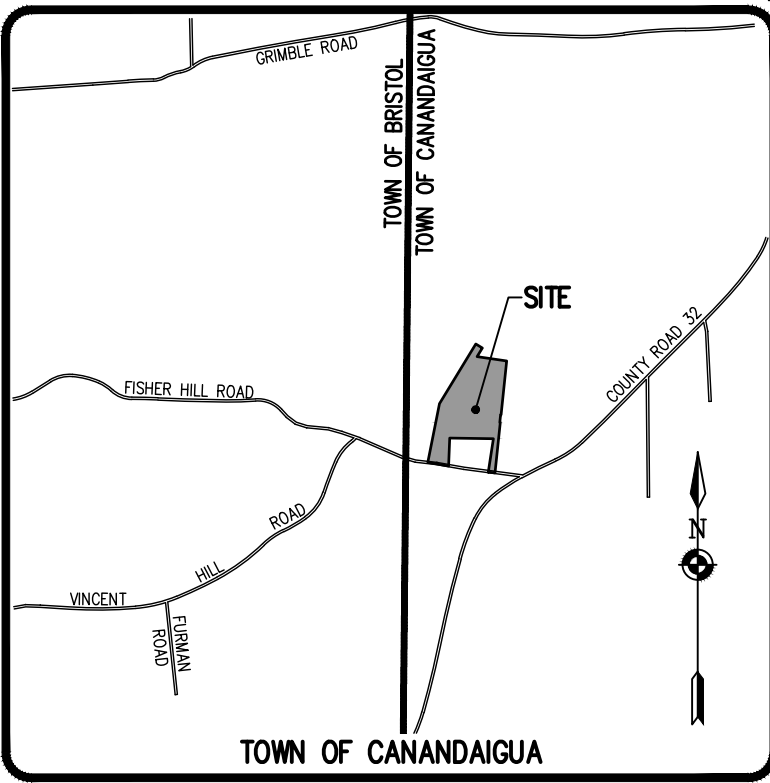
- SITE OWNER: KEIR MEISNER
- EXISTING ZONING: AR-2 AGRICULTURAL RURAL RESIDENTIAL - 2 ACRE LOT
- TOTAL SITE AREA:  $\pm 20.602$  ACRES
- PROPOSED USE: SINGLE FAMILY RESIDENCE
- APPLICABLE DEVELOPMENT STANDARDS PROPOSED ARE AS FOLLOWS:

	REQUIRED	PROVIDED
MIN LOT AREA:	2 ACRES	20.602 ACRES
MIN LOT WIDTH:	200 FT.	274 FT.
SETBACKS (PRINCIPAL BUILDING):		
FRONT YARD	60 FT.	$\pm 271$ FT.
SIDE YARD	25 FT.	$\pm 112$ FT.
REAR YARD	40 FT.	$\pm 777$ FT.
MAX BUILDING HEIGHT	35 FT.	< 35 FT.
MAX BUILDING LOT COVERAGE	20%	< 20%

- THE SETBACK LINES AND NOTES RELATING TO SETBACK SHOWN HEREON ARE INTENDED TO SHOW APPLICABLE ZONING REQUIREMENTS OF THE TOWN OF CANANDAIGUA AS OF THE DATE OF THIS MAP AND ARE NOT INTENDED TO IMPOSE ANY ADDITIONAL RESTRICTIONS OTHER THAN SAID ZONING REQUIREMENTS. BUILDINGS SHOWN ON THIS PLAN ARE GRAPHICAL REPRESENTATIONS ONLY.
- ALL IMPROVEMENTS SHALL BE IN ACCORDANCE WITH THE MOST RECENT STANDARDS AND SPECIFICATIONS OF THE TOWN OF CANANDAIGUA AND THE APPROPRIATE NEW YORK STATE AGENCIES, UNLESS OTHERWISE NOTED.
- HIGHWAY DRAINAGE ALONG FISHER HILL ROAD TO BE MAINTAINED.
- THE PROPOSED HOUSE SITE IS NOT LOCATED WITHIN A RECOGNIZED 100 YEAR FLOODPLAIN OR WITHIN ANY STATE OR FEDERAL WETLANDS PER INDIVIDUAL AGENCY ONLINE INVENTORY MAPPING.
- THE WASTE WATER TREATMENT SYSTEM (WWTS) SHALL BE INSTALLED IN BASIC CONFORMANCE WITH THE LATEST REQUIREMENTS OF THE NYS HEALTH DEPARTMENT, THE APPROVED PLANS AND THE TOWN DEVELOPMENT REGULATIONS.
- THE PLACEMENT AND ARRANGEMENT OF THE WWTS, SITE IMPROVEMENTS AND DRAINAGE PATTERNS SHOWN ON THE APPROVED PLAN WILL NOT BE CHANGED WITHOUT APPROVAL OF A DESIGN PROFESSIONAL AND THE TOWN BUILDING DEPARTMENT.
- THE SITE DEVELOPER SHALL OBTAIN AN APPROVED PLAN AND PERMITS PRIOR TO THE INSTALLATION OF ANY SITE IMPROVEMENTS.
- IF A FARM TILE OR OTHER MEANS OF SUBSURFACE WATER MOVEMENT IS ENCOUNTERED DURING THE SITE EXCAVATIONS, IT SHALL BE PIPED AROUND THE DISTURBANCE TO ALLOW FOR THE FREE FLOW OF WATER. IN NO CASE SHALL IT BE PLUGGED OR LEFT IN A DAMAGED CONDITION. NO FARM TILES WERE NOTED AS FOUND DURING THE SOIL TESTS.
- SITE IMPROVEMENTS SHALL NOT BE CONDUCTED UNDER ADVERSE WEATHER OR FROZEN SOIL CONDITIONS.
- SITE SWALES TO EXISTING DRAINAGE PATTERNS ARE SHOWN TO BE AN ESSENTIAL PART OF THE SITE IMPROVEMENTS AND THE ULTIMATE FUNCTIONING OF THE WWTS. ALL SWALES SHALL BE INSTALLED AND STABILIZED ALONG WITH THE INSTALLATION OF THE WWTS.
- WATER SAVING DEVICES IN ACCORDANCE WITH THE LATEST NYS BUILDING CODE SHALL BE INSTALLED ON ALL FIXTURE UNITS DISCHARGING WASTE WATER TO THE WWTS.
- THE SUBJECT PARCEL IS LOCATED WITHIN AN ONTARIO COUNTY AGRICULTURAL DISTRICT AND SHALL ADHERE TO THE PROVISIONS OF THE TOWN'S RIGHT-TO-FARM LAW.

APPROVALS

BY: TOWN ENGINEER DATE: \_\_\_\_\_  
BY: TOWN OF CANANDAIGUA PLANNING BOARD CHAIRPERSON DATE: \_\_\_\_\_  
BY: TOWN OF CANANDAIGUA HIGHWAY/WATER SUPERINTENDENT DATE: \_\_\_\_\_



LOCATION MAP NOT TO SCALE

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, unless he is acting under the direction of a licensed professional engineer or land surveyor to alter any item in any way if an item bearing the seal 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	12/7/22	APB
2		
3		
4		
5		
6		
7		

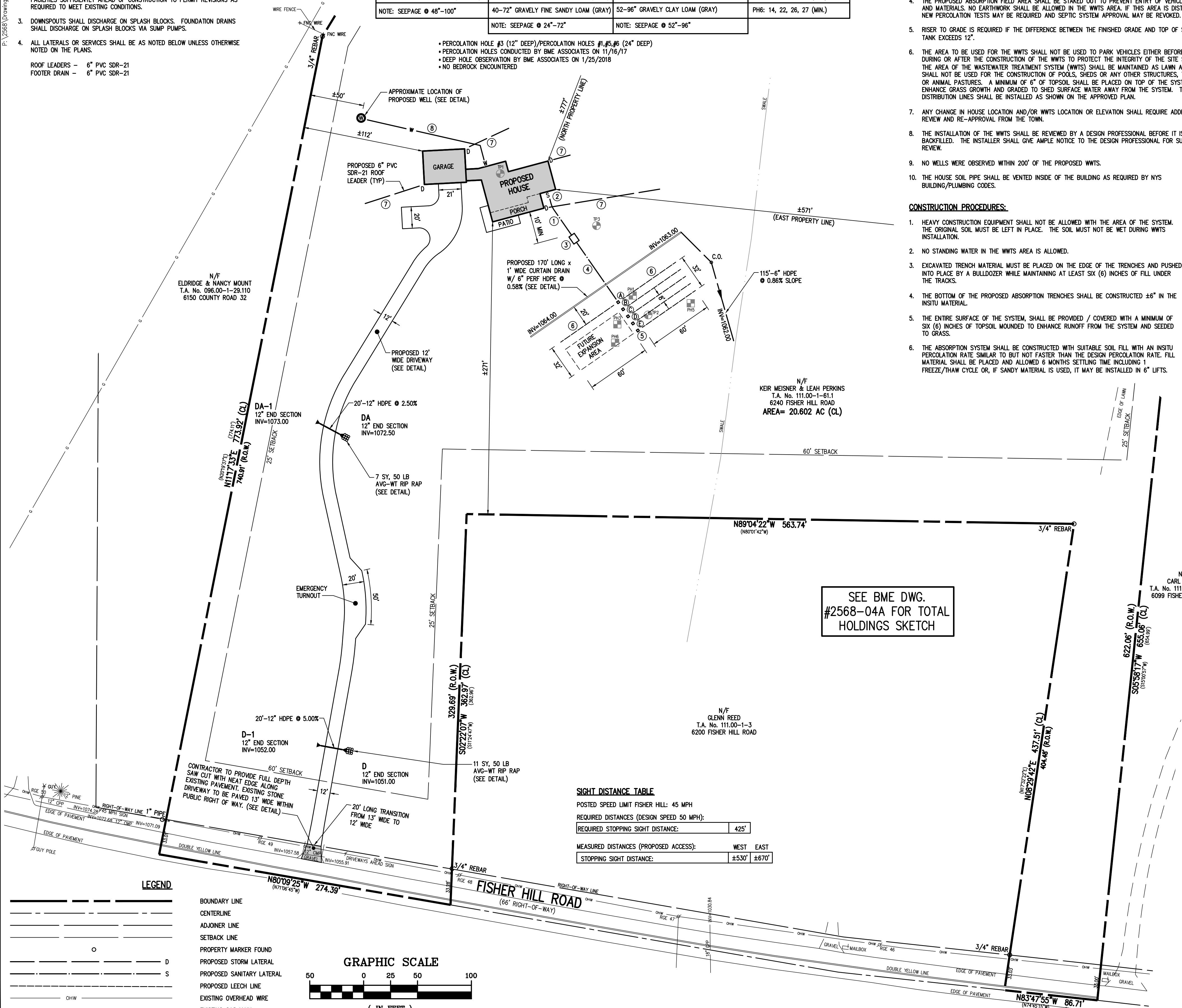
**BME ASSOCIATES**  
ENGINEERS • SURVEYORS • LANDSCAPE ARCHITECTS  
10 LIFT BRIDGE LANE EAST  
CANANDAIGUA, NEW YORK 14850  
WWW.BME-INC.COM  
PHONE 585-377-7360  
FAX 585-377-7309



**6240 FISHER HILL ROAD**  
TOWN OF CANANDAIGUA, ONTARIO COUNTY, NEW YORK STATE  
PROJECT LOCATION OWNER  
KEIR MEISNER  
9140 FISHER HILL ROAD  
CANANDAIGUA, NY 14854  
DRAWING TITLE  
FINAL  
SITE & UTILITY PLAN

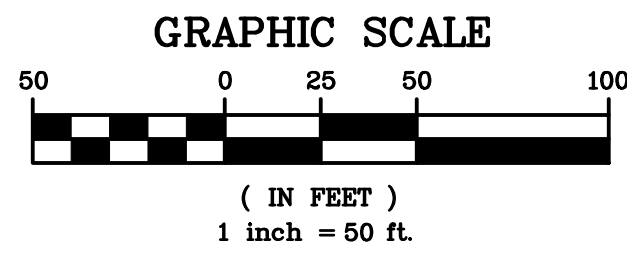
PROJECT MANAGER  
A. SPENCER  
PROJECT ENGINEER  
F. SHELLEY  
DRAWN BY  
A. BEYLER  
SCALE DATE ISSUED  
1" = 50' OCTOBER 3, 2022  
PROJECT NO.  
2568  
DRAWING NO.  
02

TAX MAP NUMBER 111.00-1-61.1

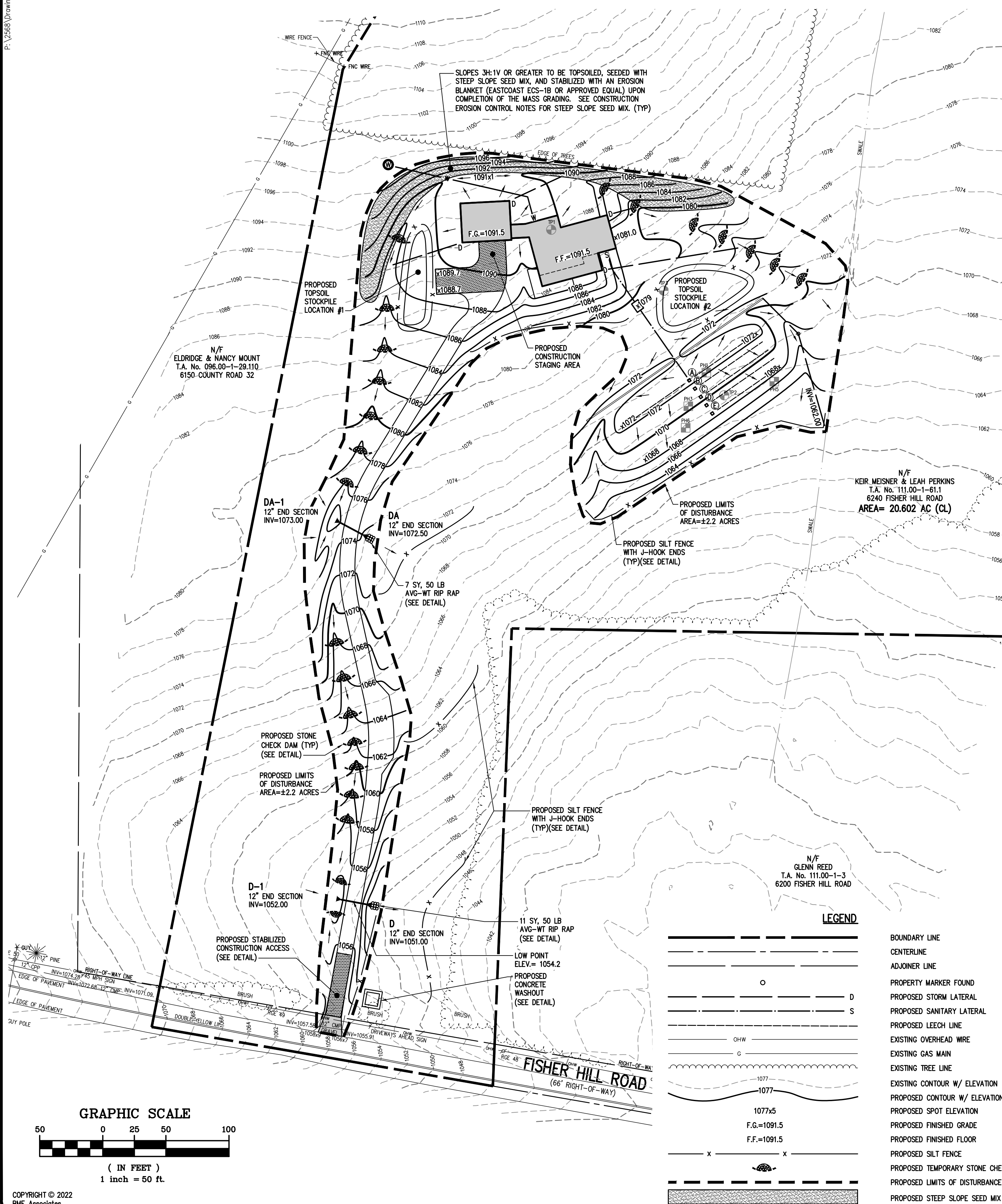


LEGEND

--- D ---	BOUNDARY LINE
--- S ---	CENTERLINE
---	ADJONER LINE
---	SETBACK LINE
---	PROPERTY MARKER FOUND
---	PROPOSED STORM LATERAL
---	PROPOSED SANITARY LATERAL
---	PROPOSED LEACH LINE
---	EXISTING OVERHEAD WIRE
---	EXISTING GAS MAIN





**WASTEWATER TREATMENT SYSTEM DESIGN TABLE AND NOTES**

DESIGN APPLICATION RATE (MIN.)	SYSTEM DESIGN FLOW (GPD)	SEPTIC TANK (GAL.)	LF TILE REQUIRED (FT)	LENGTH OF LATERALS (FT)	No. OF LATERALS	LF TILE PROVIDED (FT)
16-20 (MIN/INCH)	440 (4 BEDROOM)	1,250	315	60	6	360

HOUSE FIRST FLOOR ELEVATION	INVERT @ HOUSE	SEPTIC TANK IN	SEPTIC TANK OUT	DROP BOXES IN	DROP BOXES OUT	INV @ BEGINNING OF LEACH LINE*	LENGTH OF LEACH LINE (EAST & WEST)	PIPE DROP ACROSS SYSTEM
1091.5	1079.0	1077.7	1077.5	1070.7	1070.5	(A) 1070.2	60'	-0.2
				1069.7	1069.5	(B) 1069.2	60'	-0.2
				1068.7	1068.5	(C) 1068.2	60'	-0.2
				1067.7	1067.5	(D) 1067.2	60'	-0.2
				1066.7	1066.5	(E) 1066.2	60'	-0.2

\* UTILIZE TOP INLET INTO CHAMBER END CAPS IF GRAVELLESS CHAMBERS ARE INSTALLED

**SEQUENCE OF CONSTRUCTION NOTES:**

TOTAL DISTURBANCE AREA = ±2.2 ACRES

**STEP 1: (SITE PREPARATION)**

- INSTALL AND MAINTAIN STABILIZED CONSTRUCTION ENTRANCE (SEE DETAIL).
- CLEAR AND GRUB AS REQUIRED FOR PERIMETER SILT FENCE INSTALLATION.
- INSTALL AND MAINTAIN PERIMETER SILT FENCE, COMPLETE CLEARING AND GRUBBING OPERATIONS. SILT FENCE SHALL BE INSTALLED WITH J-HOOK ENDS.

**STEP 2: (CONSTRUCTION ACTIVITY)**

- STRIP AND STOCKPILE TOPSOIL FROM THE DRIVEWAY AND PROPOSED HOUSE SITE. INSTALL SILT FENCE AROUND THE PERIMETER OF THE STOCKPILE AND SEED WITH TEMPORARY SEEDING MIX.
- COMMENCE MASS GRADING OPERATIONS. CONCENTRATED STORMWATER FLOWS SHALL BE DIVERTED AROUND WASTE WATER TREATMENT SYSTEM (WWTs) AREAS. CONTRACTOR TO SEED AND MULCH DISTURBED AREAS UPON COMPLETION.
- COMPLETE EARTHWORK, INCLUDING FINE GRADING OF LAWN AREAS. LAWN AREAS TO BE REPLACED WITH 6" OF TOPSOIL, MULCHED AND SEEDS UPON COMPLETION. SEED WITH A SEED MIX AS INDICATED, AND PROVIDE MULCH AS SPECIFIED IN THE NOTES.
- 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.

**STEP 3: (STABILIZATION & MONITORING)**

- MAINTAIN PERIMETER SILT FENCE
- 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 OR OWNER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING THE EXISTING ROADWAYS AND DRAINAGE CHANNELS FREE OF MUD, DIRT, AND DEBRIS. THE CONTRACTOR WILL CLEAN THESE AREAS AS NECESSARY OR AS REQUIRED BY THE OWNER OR TOWN ENGINEER.
- UPON TOWN APPROVAL, REMOVE TEMPORARY SEDIMENT CONTROL MEASURES ONCE THE ENTIRE SITE HAS BEEN STABILIZED.

**GRADING NOTES:**

- THE CONTRACTOR SHALL LOCATE, MARK, SAFEGUARD, AND PRESERVE ALL SURVEY CONTROL MONUMENTS AND RIGHT-OF-WAY MONUMENTS IN THE AREAS OF CONSTRUCTION.
- EXISTING UNDERGROUND UTILITIES SHOWN HEREIN WERE PLOTTED FROM FIELD LOCATIONS AND/OR AVAILABLE UTILITY COMPANY RECORD PLANS. EXISTING UTILITIES WHETHER FUNCTIONAL OR ABANDONED WITHIN THE PROJECT AREA MAY NOT BE SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL CALL THE UPPO HOTLINE AT (800)962-7962 OR 811 FOR STAKE-OUT OF EXISTING UTILITIES.
- THE CONTRACTOR SHALL CONTROL DUST ON-SITE AS DIRECTED BY THE TOWN OF CANANDAIGUA.
- HIGHWAY DRAINAGE ALONG FISHER HILL ROAD TO BE MAINTAINED AS DIRECTED BY TOWN OF CANANDAIGUA HIGHWAY DEPARTMENT.
- FILL MATERIAL PLACED IN THE PAVEMENT AND BUILDING AREA SHALL BE SELECT MATERIAL AND COMPACTED TO 95% OF MAXIMUM DENSITY AS DETERMINED BY THE MODIFIED PROCTOR TEST (ASTM D-1557) AND/OR THE RECOMMENDATIONS OF A GEOTECHNICAL ENGINEER.

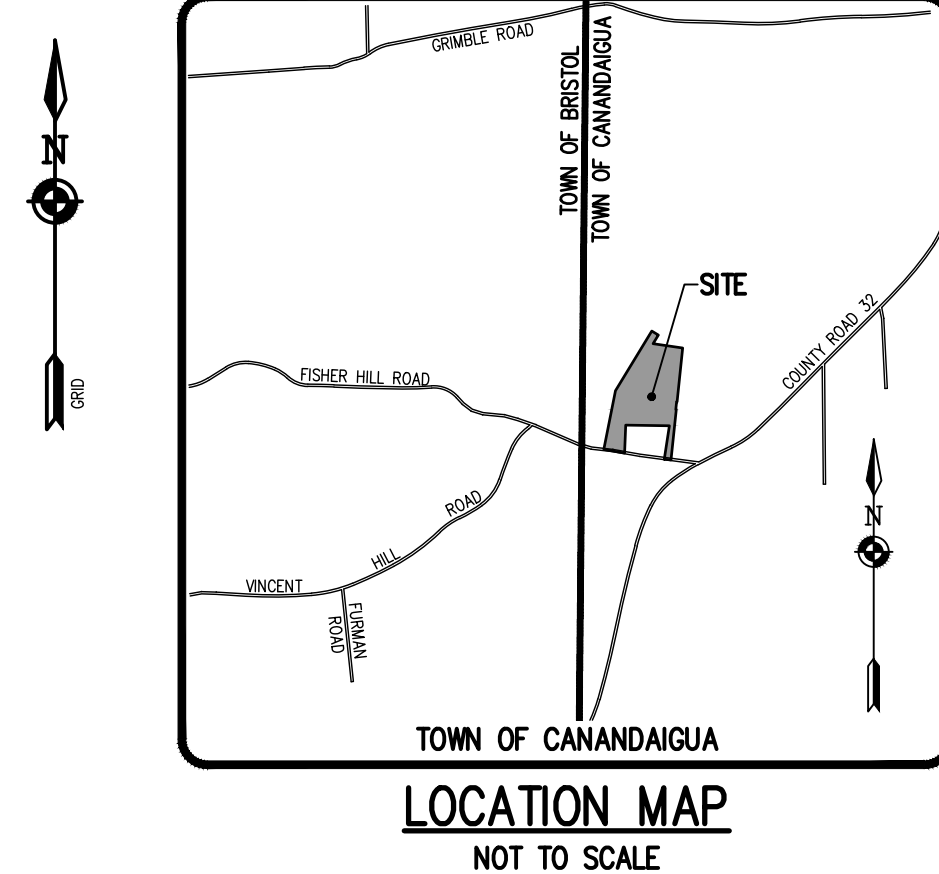
**LANDSCAPE NOTES:**

- NO PHOSPHORUS 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 NYSDC REGULATIONS.

Table 2 Separation Distances From Wastewater System Components (in feet)					
System Components	Well or Suction Line (e)(g)	Stream, Lake, Watercourse (b), or Wetland	Dwelling	Pool or Spa (In-Ground)	Prop. Line
House sewer (watertight joints)	25 if cast iron sewer 50 otherwise	25	3	10	10
Septic tank or watertight ETU	50	50	10	20	10
Effluent line to distribution box	50	50	10	10	10
Distribution box	100	100	20	20	10
Absorption field(c)(d)	100 (a)	100	20	35	10
Seepage pit(d)	150 (a)	100	20	50	10
Raised System - Tight Soil System or Mound system - (c)(d)	100 (a)	100	20	35	100
Raised System - Marginal Soil System or Modified (c)(d)	100 (a)	100	20	35	10
Intermittent Sand Filter (d)	100 (a)(f)	100(f)	20	35	10
Non-Waterborne Systems with offsite residual disposal	50	50	20	10	10
Non-Waterborne Systems with onsite discharge	100	50	20	10	10

**Table 2 Notes:**

- When wastewater treatment systems are located upgrade and in the direct path of surface water drainage to a well, the closest part of the treatment system shall be at least 200 feet away from the well.
- Mean high water mark.
- For all systems involving the placement of fill material, separation distances are measured from the toe of the slope of the fill.
- Separation distances shall also be measured from the edge of the designated additional usable area as described in Section 75-A.4 (a)(5).
- The closest part of the wastewater treatment system shall be located at least 10 feet from any water service line (e.g. public water supply main, public water service line or residential well water service line).
- When sand filters are designed to be watertight and collect all effluent, the separation distance can be reduced to 50 feet.
- The listed water well separation distances from contaminant sources shall be increased by 50% whenever aquifer water enters the water well at less than 50-feet below grade. If a 50% increase can not be achieved, then the greatest possible increase in separation distance shall be provided with such additional measures as needed to prevent contamination.
- Minimum horizontal separation from effluent dispersal method (i.e. absorption field, raised system, seepage pit, sand filter or mound) and stormwater infiltration practice shall be 50 feet.

**CONSTRUCTION EROSION CONTROL NOTES:**

- THE CONSTRUCTION ACTIVITIES FOR THIS PROJECT REQUIRE THE PREPARATION OF A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) THAT ONLY INCLUDES EROSION & SEDIMENT CONTROLS. THIS SWPPP CONSISTS OF THE PROJECT PLANS, INCLUDING THE GRADING, CONSTRUCTION EROSION CONTROL PLAN AND DETAIL SHEET, AND THE TOWN OF CANANDAIGUA DESIGN AND CONSTRUCTION SPECIFICATIONS REGARDING STORMWATER CONTROL. THE PLANS FOR THIS PROJECT ARE INTENDED TO CONFORM WITH THE NYSDC GENERAL PERMIT GP-0-20-001 AND THE REQUIREMENTS OF LOCAL AND NYSDC AUTHORITIES.
- THE OWNER IS RESPONSIBLE FOR IMPLEMENTING THE REQUIRED SWPPP. THE OWNER'S CONTRACTOR, SUB-CONTRACTOR AND ALL OTHERS ASSOCIATED WITH THE IMPLEMENTATION OF THE PLAN SHALL BE FAMILIAR WITH THE PLAN AND THE CONDITIONS OF THE NYSDC GENERAL PERMIT FOR STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITIES.
- ANY MODIFICATIONS OR DEVIATIONS FROM THE SWPPP, INCLUDING EROSION CONTROL MEASURES, SHALL BE DOCUMENTED IN THE INSPECTION REPORT AND CONSIDERED PART OF THE SWPPP FOR THE PROJECT.
- THE OWNER IS RESPONSIBLE FOR FILING THE NOTICE OF INTENT (NOI) FOR CONSTRUCTION ACTIVITY WITH NYSDC PRIOR TO COMMENCING ANY CONSTRUCTION. A COPY OF THE NOI SHALL BE KEPT ON-SITE AND PROVIDED TO THE MUNICIPALITY.
- FOR SITES WHERE SOIL DISTURBANCE ACTIVITIES HAVE BEEN TEMPORARILY SUSPENDED (E.G. WINTER SHUTDOWN) AND TEMPORARY STABILIZATION MEASURES HAVE BEEN APPLIED TO ALL DISTURBED AREAS, THE OWNER/OPERATOR MAY REDUCE THE SELF-INSPECTION FREQUENCY AFTER CONTACTING THE TOWN CEO, BUT SHALL MAINTAIN A MINIMUM OF MONTHLY INSPECTIONS. (30 CALENDAR DAYS)
- THE OWNER'S CONTRACTOR/REPRESENTATIVE SHALL IDENTIFY AT LEAST ONE INDIVIDUAL TO BE TRAINED FROM THEIR COMPANY THAT WILL BE RESPONSIBLE FOR IMPLEMENTATION OF THE SWPPP. THE INDIVIDUAL MUST RECEIVE (4) HOURS OF NYSDC TRAINING EVERY (3) YEARS. THE OWNER/OPERATOR SHALL ENSURE THAT AT LEAST ONE OF THE TRAINED INDIVIDUALS IS ON SITE ON A DAILY BASIS WHEN SOIL DISTURBANCE ACTIVITIES ARE BEING PERFORMED.
- FOR DISTURBANCES LESS THAN 5 ACRES, IN AREAS WHERE SOIL DISTURBANCE ACTIVITY HAS TEMPORARILY OR PERMANENTLY CEASED, THE APPLICATION OF SOIL STABILIZATION MEASURES MUST BE INITIATED BY THE END OF THE NEXT BUSINESS DAY AND COMPLETED WITHIN 14 DAYS. FROM THE DATE THE CURRENT SOIL DISTURBANCE ACTIVITY CEASED, IF THE SEASON PREVENTS THE ESTABLISHMENT OF TEMPORARY GROUNDCOVER, THE DISTURBED AREAS SHALL BE MULCHED WITH STRAW OR EQUIVALENT MATERIAL. ADDITIONAL TIME FRAMES FOR STABILIZATION ARE SUBJECT TO THE REQUIREMENTS OF A REGULATED TRADITIONAL LAND USE MSA.
- THE OWNER'S CONTRACTOR SHALL BE RESPONSIBLE FOR THE ESTABLISHMENT, MAINTENANCE, CLEANING, REPAIR AND REPLACEMENT OF EROSION CONTROL MEASURES DURING SITE CONSTRUCTION.
- ALL DISTURBED AREAS TO BE RECLAIMED WITH A MINIMUM OF 6" TOPSOIL.
- AREAS (3:1 SLOPE OR GREATER) OR EMBANKMENTS REQUIRING AN EROSION CONTROL BLANKET SHALL UTILIZE ECS-18 (EASTCOAST) OR AN APPROVED EQUIVALENT.
- SLOPES 3:1 OR GREATER SHALL UTILIZE AN EROSION BLANKET ECS-18 (EASTCOAST) OR AN APPROVED EQUIVALENT AND ARE TO BE SEEDS WITH HEAVY MULCH AND MAY REQUIRE ADDITIONAL STABILIZATION MEASURES. SLOPES SHALL BE FINE GRADED WITH A MINIMUM OF 6" TOPSOIL AND SEEDS WITH FOLLOWING SEED MIX:

NATIVE STEEP SLOPE MIX WITH ANNUAL RYE GRASS - ERMIX-181

LBS/ACRE	% BY PURITY	% GERM
PERENNIAL RYE GRASS	35	85
RED FESCUE	35	97
KENTUCKY BLUEGRASS	30	85

- SEEDING RATE: 60 LBS PER ACRE OR 1 LB PER 1000 SF  
INOCULANT: RATES RECOMMENDED BY THE MANUFACTURER (FOR HYDROSEEDING USE FOUR TIMES MANUFACTURER'S RECOMMENDED RATE)
- STRAW OR WOOD FIBER MULCH USED WITH A HYDROSEEDING METHOD, AT TWO TONS PER ACRE WITH TACKIFIER.
- DISTURBED AREAS SHALL BE STABILIZED USING PERMANENT LAWN SEEDING MIX UPON COMPLETION OF GRADING AND CONSTRUCTION.

LBS/ACRE	% BY PURITY	% GERM
PERENNIAL RYE GRASS	35	85
RED FESCUE	35	97
KENTUCKY BLUEGRASS	30	85

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

- ALL SEEDS ARE TO BE MONITORED FOR GERMINATION AND EROSION. ERODED AREAS ARE TO BE BACKFILLED, FINE GRADED AND RE-SEEDS. AREAS THAT FAIL TO GERMINATE A MINIMUM OF 80% SHALL BE RE-SEEDS.
- ANY EXCAVATIONS THAT MUST BE DEWATERED SHALL BE PUMPED INTO AN APPROVED FILTERING DEVICE BEFORE ENTERING AN ACTIVE DRAINAGE SYSTEM OR DISPERSED TO AN UNDISTURBED AREA.
- THE HOME BUILDER SHALL BE RESPONSIBLE FOR IMPLEMENTING INDIVIDUAL LOT EROSION CONTROL MEASURES AS SHOWN ON THE PLAN DETAIL FOR INDIVIDUAL HOUSE CONSTRUCTION. THE MEASURES ARE TO REMAIN IN PLACE UNTIL HOUSE CONSTRUCTION IS COMPLETE AND THE LAWN IS ESTABLISHED.
- THE OWNER SHALL BE RESPONSIBLE FOR REMOVING EXISTING EROSION CONTROL MEASURES THAT ARE LOCATED WITHIN ESTABLISHED AREAS. MATERIALS ARE TO BE DISPOSED OF PROPERLY.
- UPON COMPLETION OF CONSTRUCTION AND FINAL STABILIZATION, AND APPROVAL OF THE TOWN, THE OWNER MAY FILE A NOTICE OF TERMINATION (NOT) WITH NYSDC PER THE REQUIREMENTS OF THE GENERAL PERMIT GP-0-20-001.

**APPROVALS**

BY: TOWN ENGINEER DATE: \_\_\_\_\_

BY: TOWN OF CANANDAIGUA PLANNING BOARD CHAIRPERSON DATE: \_\_\_\_\_

BY: TOWN OF CANANDAIGUA HIGHWAY/WATER SUPERINTENDENT DATE: \_\_\_\_\_

Drawing Alteration  
The following is an exception 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, unless he is acting under the direction of a licensed professional engineer or land surveyor to alter any item in any way if an item bearing the seal 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
7		
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2		
1	12/7/24	APB

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10 LIFT BRIDGE LANE EAST  
CANANDAIGUA, NEW YORK 14450  
WWW.BME-CC.COM

PHONE 585-377-7360  
FAX 585-377-7309



**6240 FISHER HILL ROAD**

TOWN OF CANANDAIGUA, ONTARIO COUNTY, NEW YORK STATE

PROJECT: KEIR MEISNER & LEAH PERKINS  
LOCATION: 6240 FISHER HILL ROAD  
OWNER: VICTOR, NY 14564

PROJECT MANAGER: A. SPENCER  
PROJECT ENGINEER: F. SHELLEY  
DRAWN BY: A. BEYLER  
SCALE: 1" = 50'  
DATE ISSUED: OCTOBER 3, 2022  
PROJECT NO.: 2568

**FINAL GRADING & EROSION CONTROL PLAN**

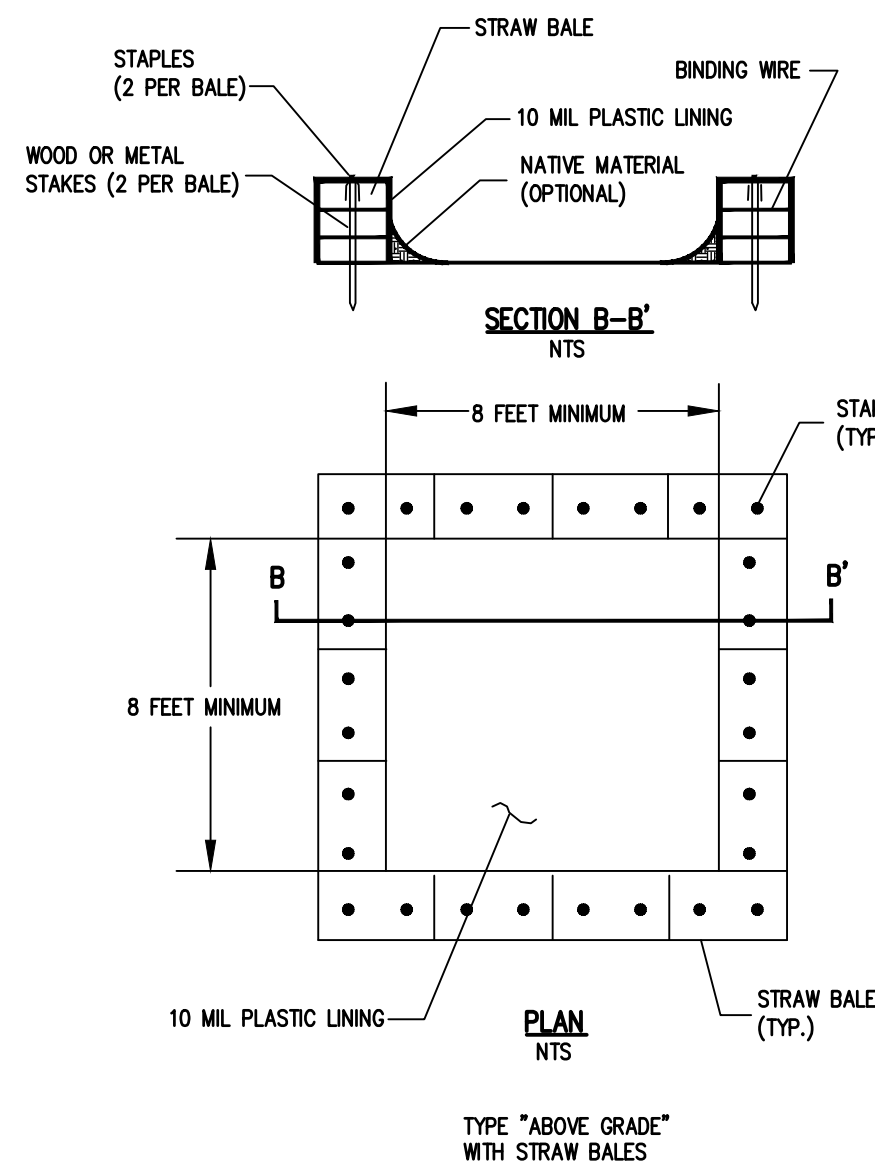
DRAWING TITLE: GRADING & EROSION CONTROL PLAN

DRAWING NO.: 2568

93



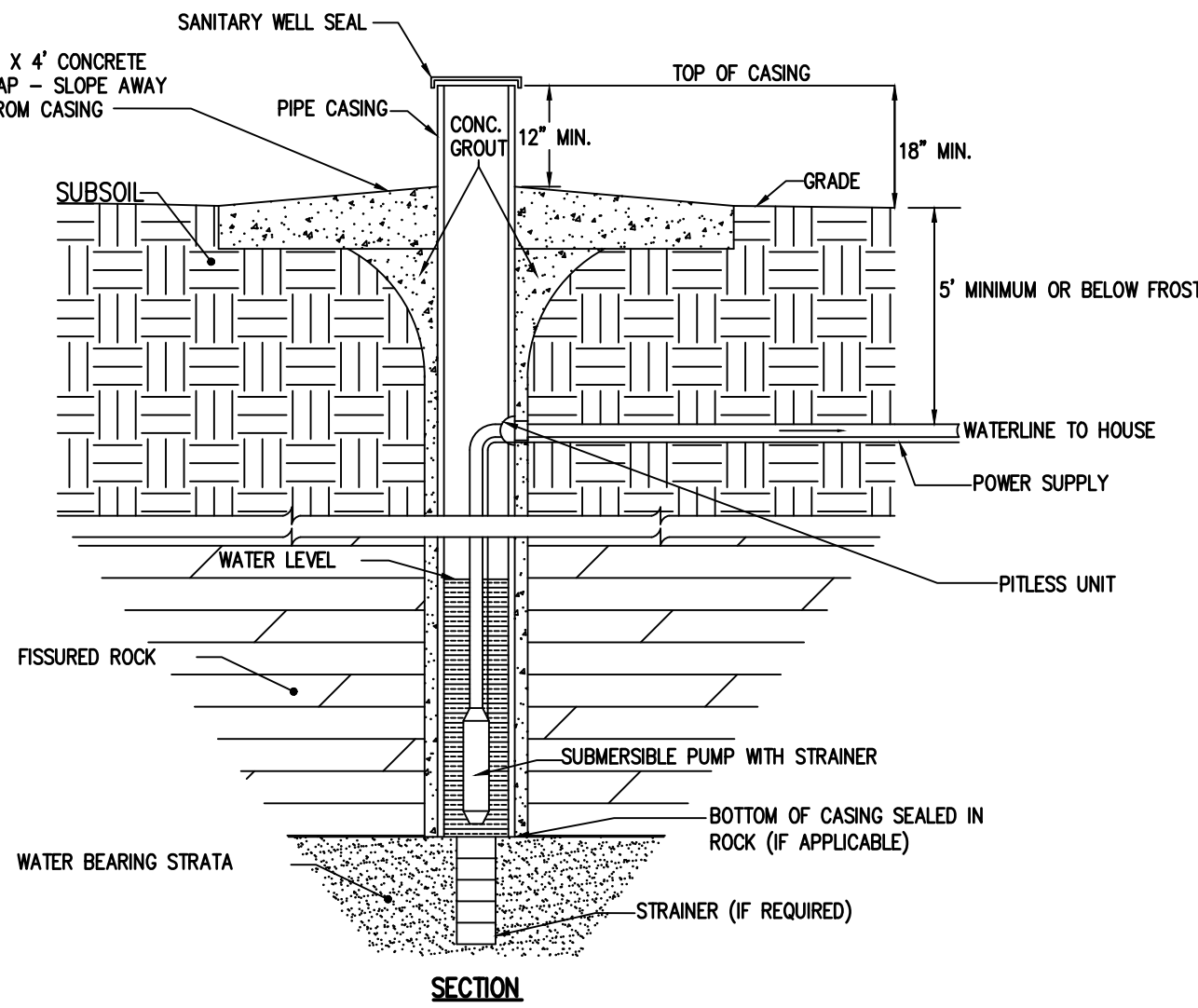
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- NOTES:**
1. ACTUAL LAYOUT DETERMINED IN THE FIELD. LOCATE THE FACILITY A MINIMUM OF 100 FEET FROM DRAINAGE SWALES, STORM DRAIN INLETS, WETLANDS, STREAMS AND OTHER SURFACE WATERS.
  2. THE MINIMUM SIZE SHALL BE 8 FEET BY 8 FEET AT THE BOTTOM AND 2 FEET DEEP. IF EXCAVATED, THE SIDE SLOPES SHALL BE 2 HORIZONTAL TO 1 VERTICAL.
  3. WASHOUT STATION SHOULD BE CLEANED WHEN CONCRETE ACCUMULATES TO 75% OF THE STORAGE VOLUME. ANY EXCESS WASH WATER SHALL BE PUMPED INTO A CONTAMINANT VESSEL AND PROPERLY DISPOSED OF OFF SITE.
  4. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30' OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

### CONCRETE WASHOUT DETAIL

NTS



- NOTES:**
1. WELL SHALL HAVE A MINIMUM SUSTAINED YIELD OF 5 GPM OF POTABLE WATER.
  2. IT IS RECOMMENDED THAT DRILLING LOGS AND CERTIFIED LAB TESTS OF WATER QUALITY BE SUBMITTED TO THE BUILDING DEPARTMENT WHEN APPLYING FOR A BUILDING PERMIT.
  3. WELL SHALL BE INSTALLED IN CONFORMANCE WITH NYSDEC-APPENDIX 5-B DATED NOVEMBER 23, 2005.
  4. GROUT TO EXTEND A MINIMUM OF 50' BELOW GRADE

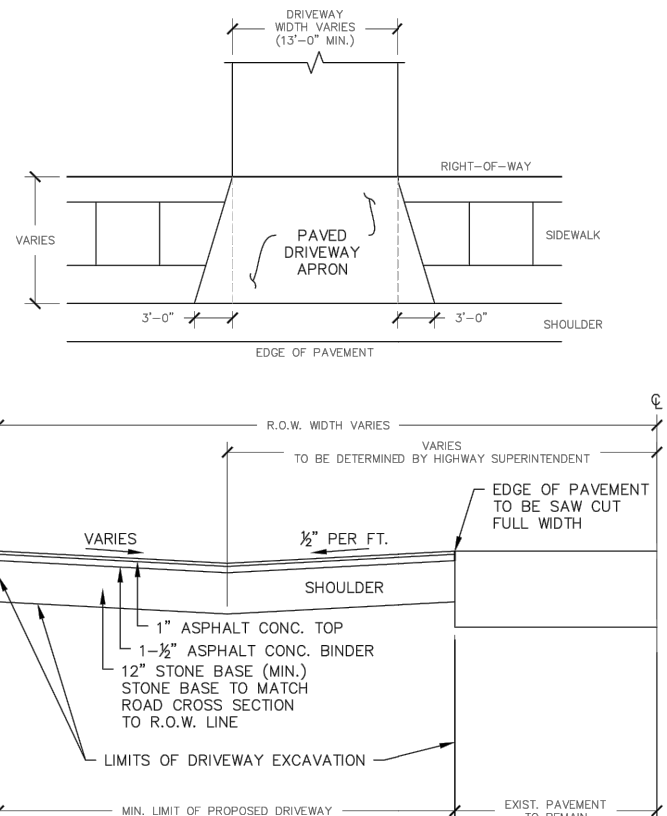
### TYPICAL WELL DETAIL

N.T.S.

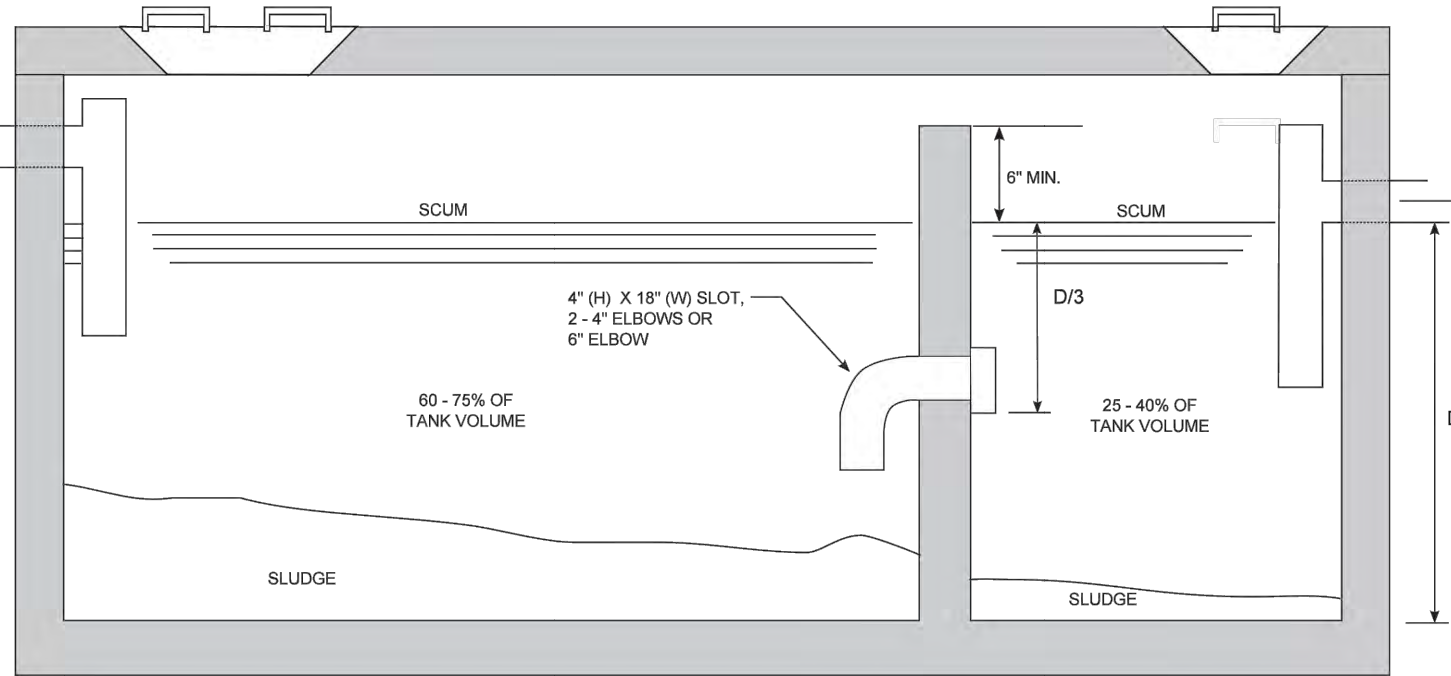
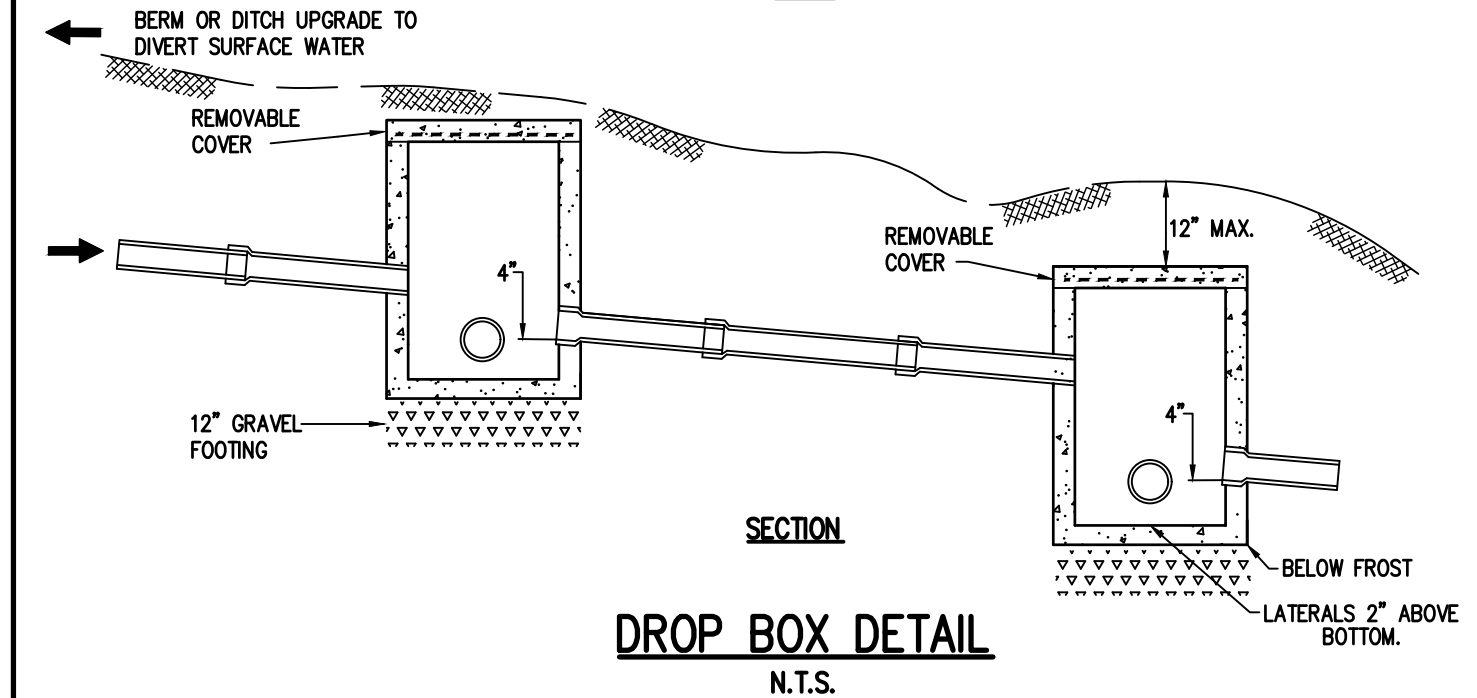
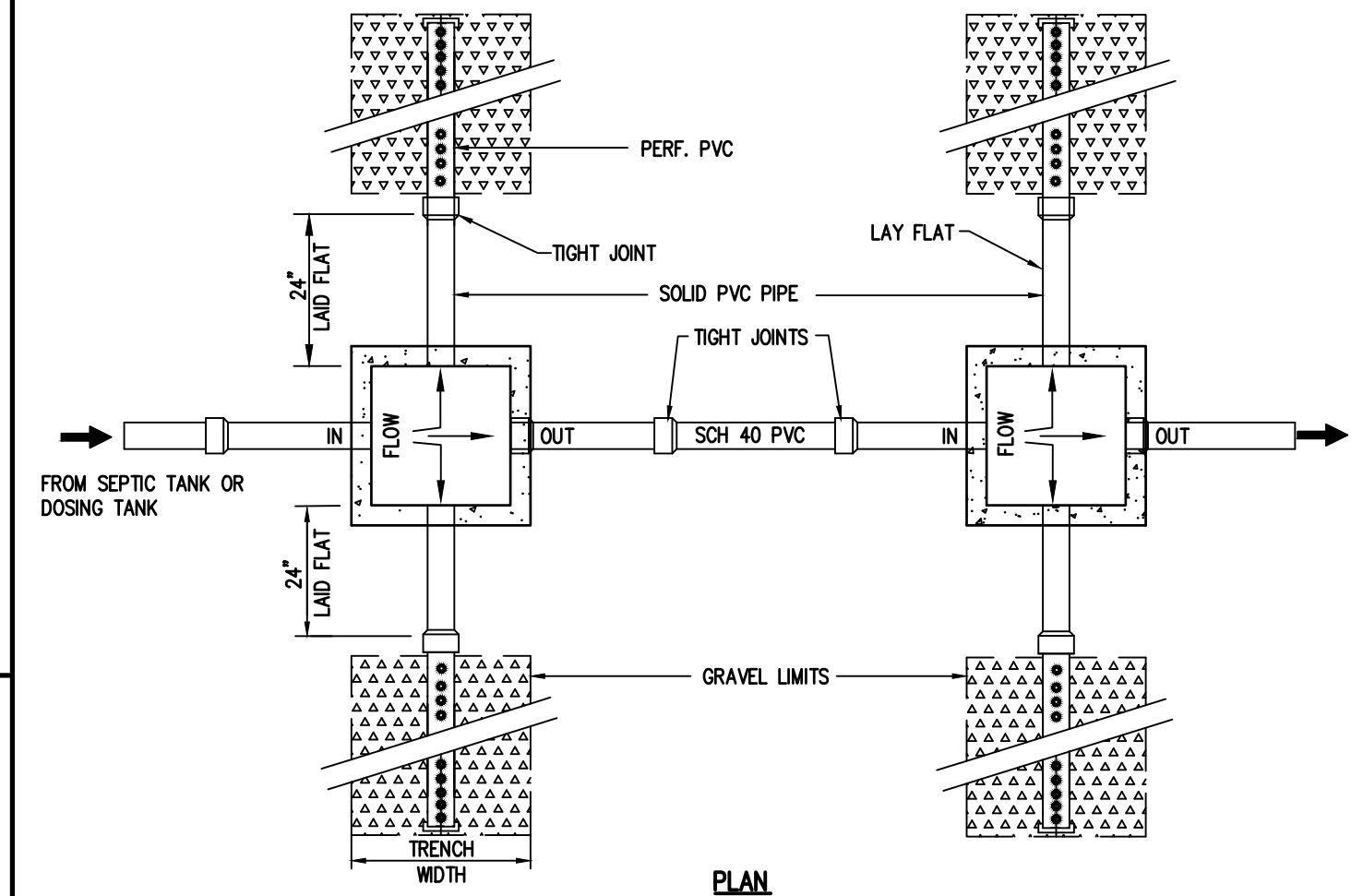
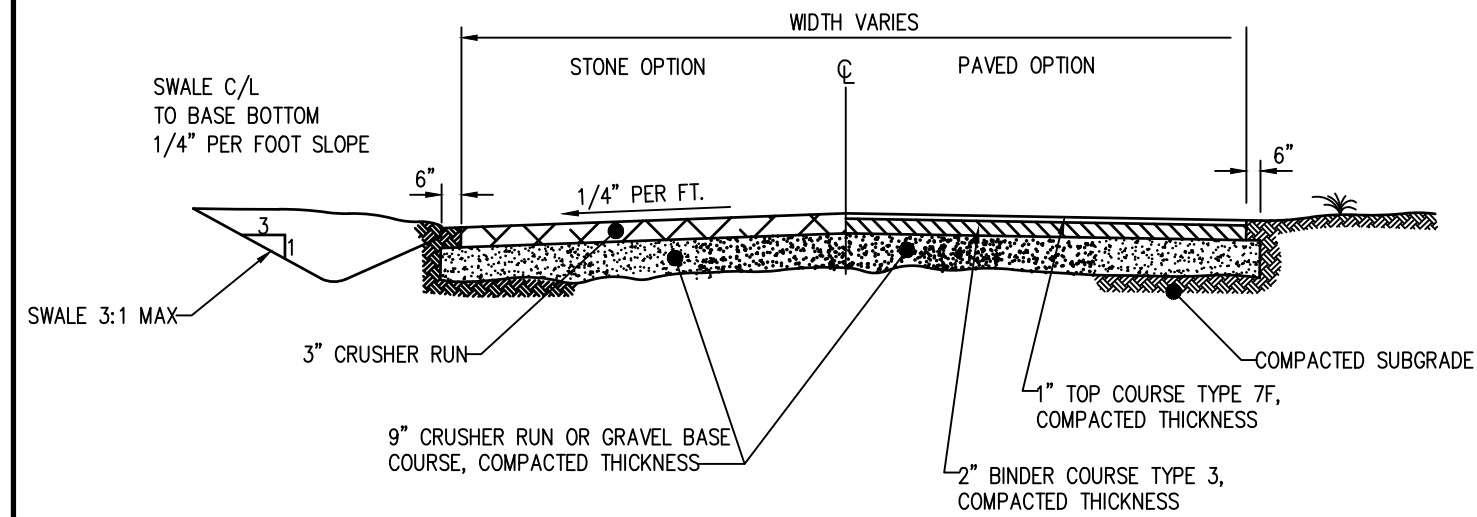
### Town of Canandaigua

5440 Route 5 & 20 West  
Canandaigua, NY 14824  
(866) 594-1120  
Fax (866) 594-9478  
Established 1789

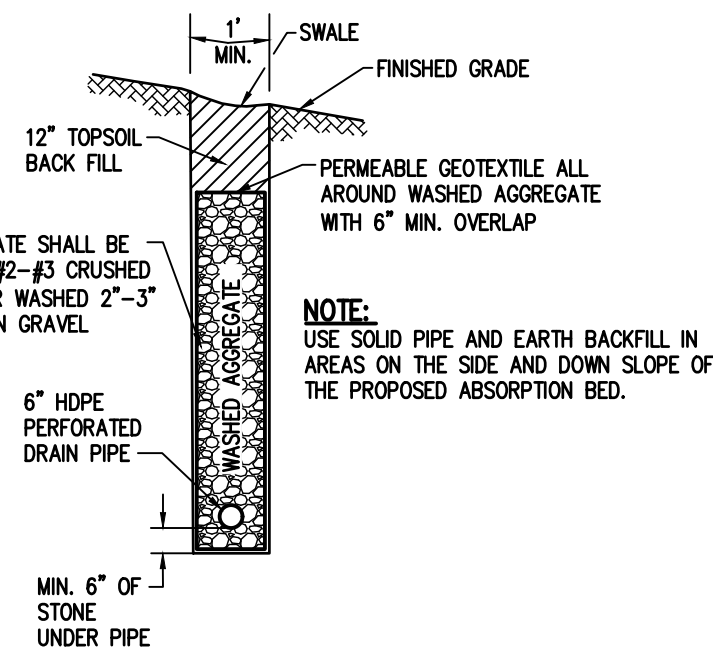
APPENDIX: **H - 1.0**  
DATE: 2018  
SCALE: N.T.S.  
**MRB group**



- NOTES:**
1. DRIVEWAYS FRONTING ON TOWN ROADS SHALL BE PAVED A MINIMUM OF 30 FEET EXTENDING FROM THE EDGE OF PAVEMENT TO R.O.W. UNLESS OTHERWISE INDICATED BY THE TOWN.
  2. THE APPLICANT SHALL NOTIFY THE HIGHWAY SUPERINTENDENT AT LEAST 48 HOURS PRIOR TO PERFORMING THE WORK TO SCHEDULE A FIELD INSPECTION.
  3. A MAXIMUM 3% LEVELING AREA TO BE PROVIDED FOR THE FIRST 30 FEET FROM THE EDGE OF PAVEMENT.

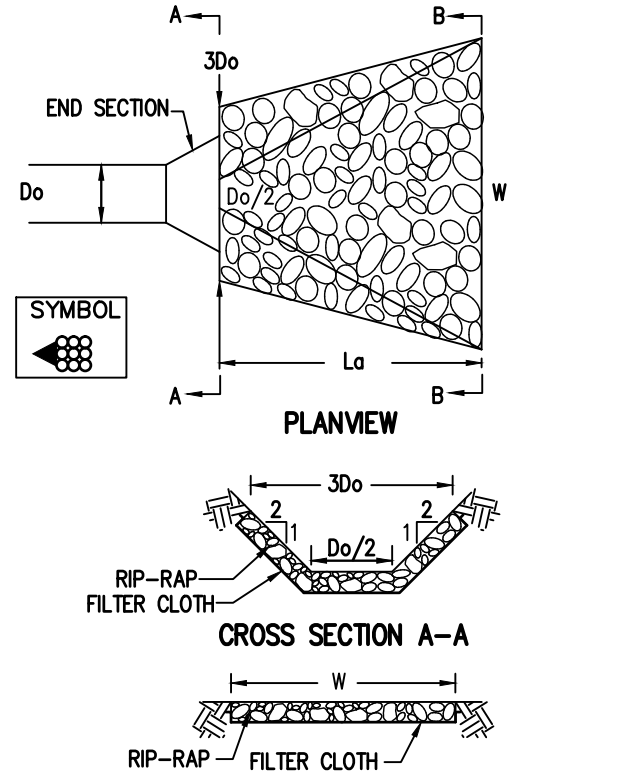


- NOTES:**
1. Bottom of all trenches shall not be above original useable soil and should preferably be at least 6" below original grade.
  2. At least one access manhole shall be provided into each compartment.
  3. Dual compartments are recommended for all tanks and shall be required on all tanks with interior length of ten (10) feet or more.
  4. The volume and surface area for meeting the requirements of Table 3 of this handbook shall be based upon the total volume and surface areas of all tanks and chambers.
  5. Tanks in series should be connected by a single pipe with a minimum diameter of four (4) inches.
  6. A dual compartment septic tank or two (2) tanks in series are required for rounds and sand filters and recommended for all system types.



### CURTAIN DRAIN CROSS SECTION DETAIL

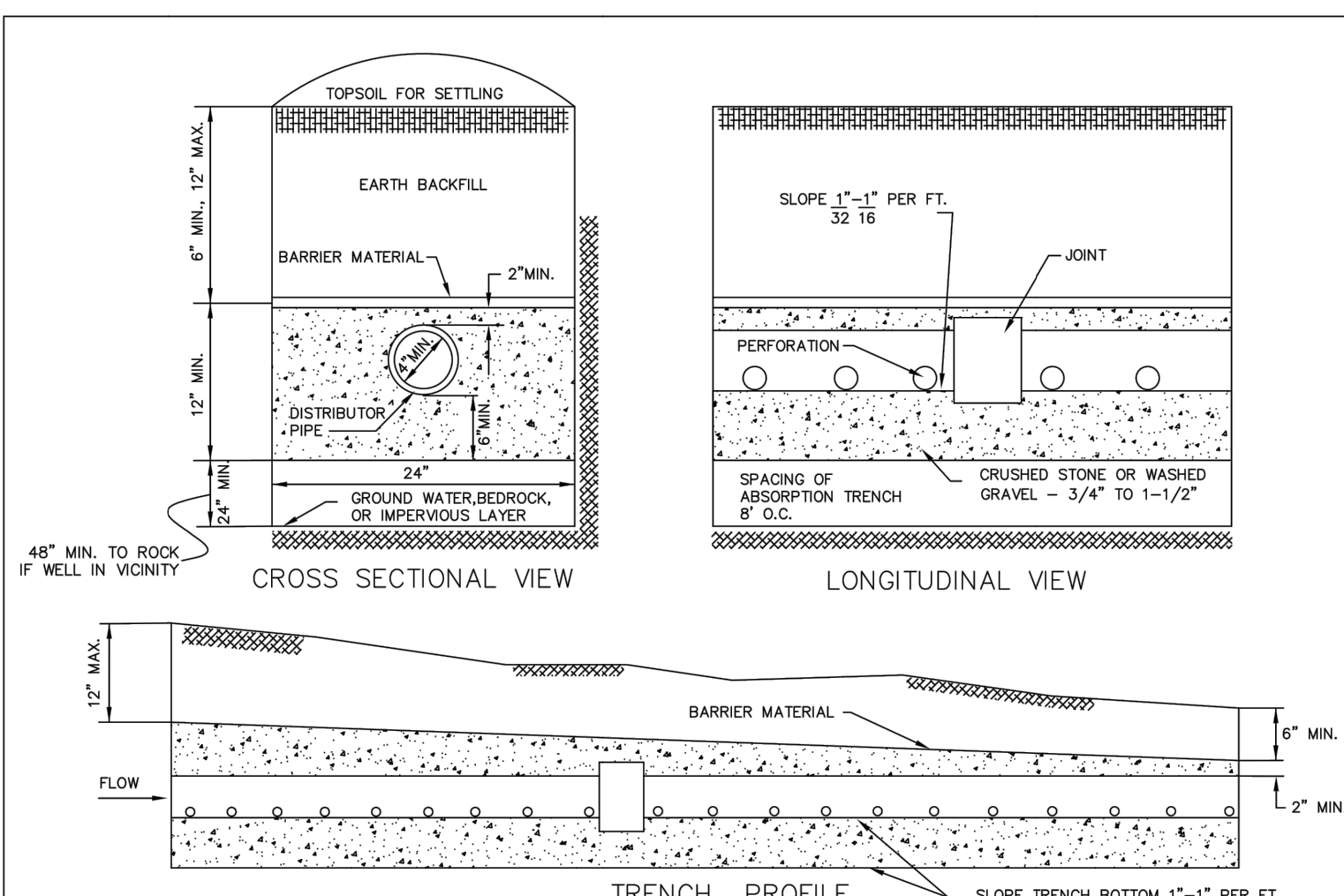
N.T.S.



DESIGNATION	DIA. OF PIPE Do	30d	La	W	RIp-RAP
D	12"	3"	12"	13"	11 SY
DA	12"	3"	9"	10"	7 SY

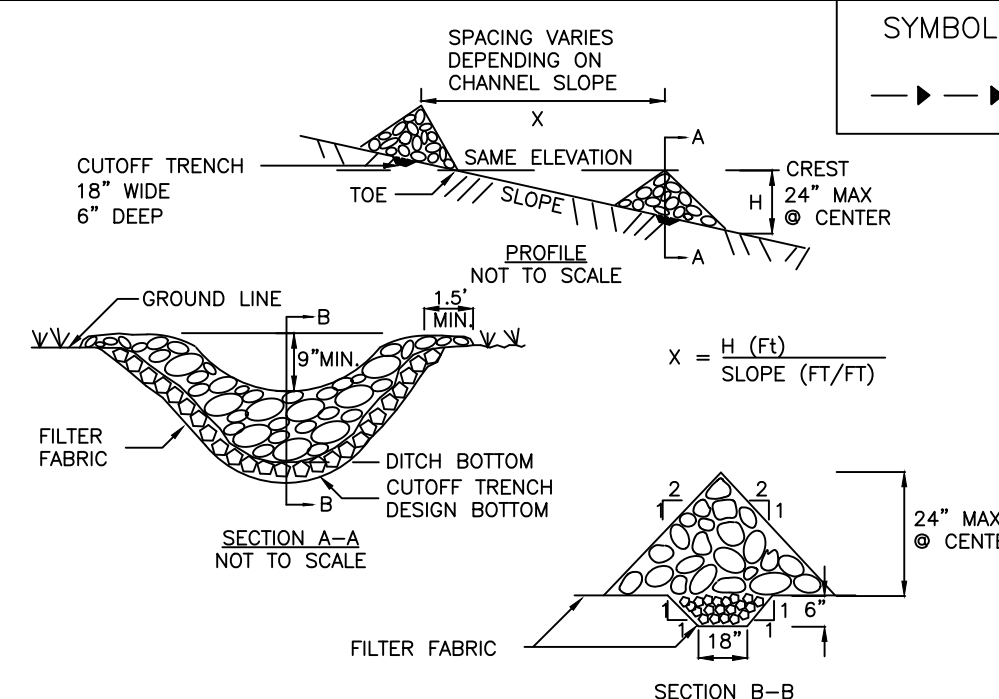
### RIp-RAP OUTLET PROTECTION DETAIL TYPICAL

N.T.S.



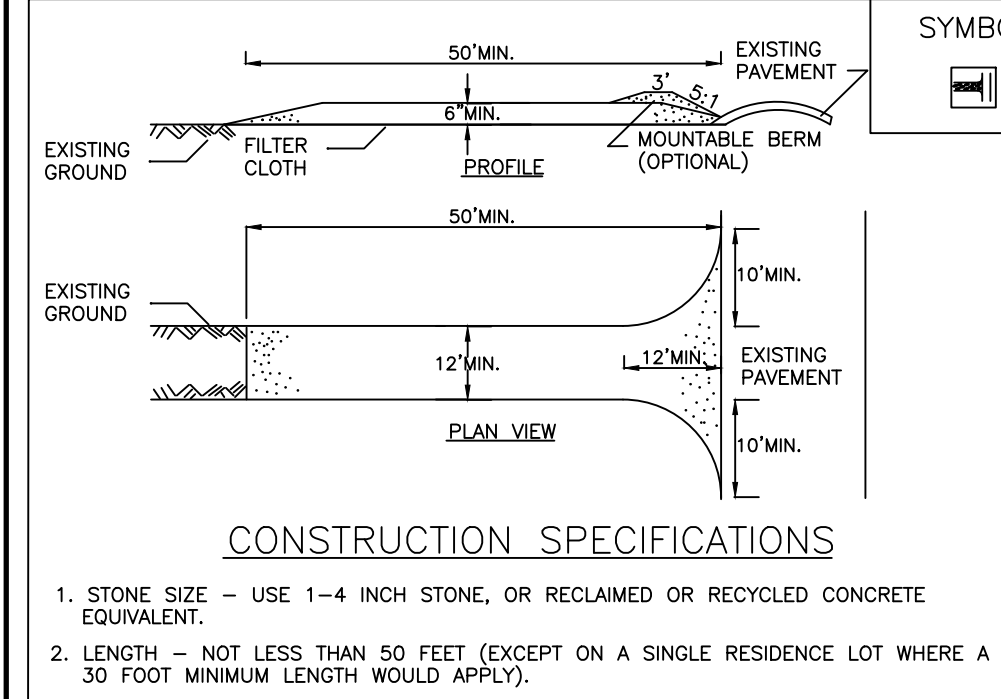
### ABSORPTION TRENCH DETAIL

N.T.S.



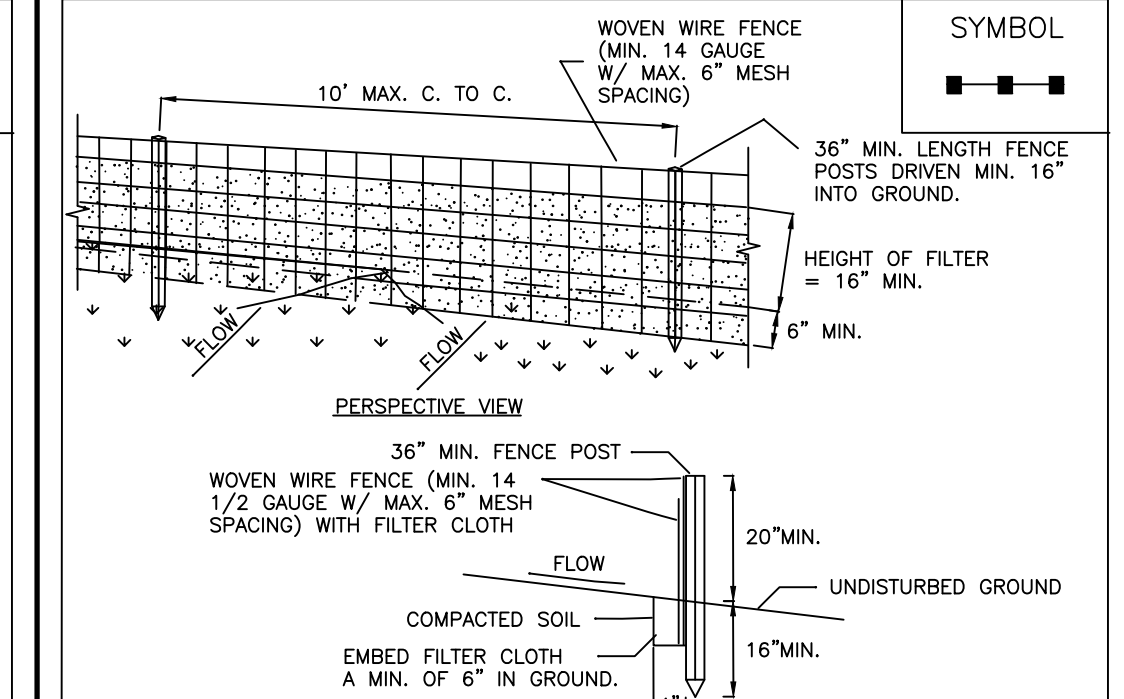
- CONSTRUCTION SPECIFICATIONS**
1. STONE WILL BE PLACED ON A FILTER FABRIC FOUNDATION TO THE LINES, GRADES AND LOCATIONS SHOWN IN THE PLAN.
  2. SET SPACING OF CHECK DAMS TO ASSUME THAT THE ELEVATIONS OF THE CREST OF THE DOWNSTREAM DAM IS AT THE SAME ELEVATION OF THE TOE OF THE UPSTREAM DAM.
  3. EXTEND THE STONE A MINIMUM OF 1.5 FEET BEYOND THE DITCH BANKS TO PREVENT CUTTING AROUND THE DAM.
  4. PROTECT THE CHANNEL DOWNSTREAM OF THE LOWEST CHECK DAM FROM SCOUR AND EROSION WITH STONE OR LINER AS APPROPRIATE.
  5. ENSURE THAT CHANNEL APPURTENANCES SUCH AS CULVERT ENTRANCES BELOW CHECK DAMS ARE NOT SUBJECT TO EROSION OR BLOCKAGE FROM DISPLACED STONE.
- MAXIMUM DRAINAGE AREA 2 ACRES.

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 - 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) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY-FOUR (24) FOOT IF SINGLE ENTRANCE TO SITE.
  5. GEOTEXTILE - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
  6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ACCESS 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 RIGHTS-OF-WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
  8. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON A 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.

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. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "T" OR "U" TYPE OR HARDWOOD.
  2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 6" MAXIMUM MESH OPENING.
  3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUIVALENT.
  4. PREFABRICATED UNITS SHALL BE GEOTAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
  5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

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.

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**BME ASSOCIATES**  
ENGINEERS • SURVEYORS • LANDSCAPE ARCHITECTS  
10 LIFT BRIDGE LANE EAST  
CANANDAIGUA, NEW YORK 14829  
WWW.BMEINC.COM  
PHONE 585-377-7360  
FAX 585-377-7309



**6240 FISHER HILL ROAD**  
TOWN OF CANANDAIGUA, ONTARIO COUNTY, NEW YORK STATE  
KYLE KESNER  
9050 W. WYOMING AVE  
MOTOR, NY 14564  
PROJECT LOCATION OWNER DRAWING TITLE

**PROJECT MANAGER**  
A. SPENCER  
**PROJECT ENGINEER**  
F. SHELLEY  
**DRAWN BY**  
A. BEYLER  
**SCALE**  
AS SHOWN  
**DATE ISSUED**  
OCTOBER 3, 2022  
**PROJECT NO.**  
2568  
**DRAWING NO.**  
04





6240 FISHER HILL ROAD		TOWN OF CANANDAIGUA, ONTARIO COUNTY, NEW YORK STATE	
PROJECT	LOCATION	OWNER	KEIR MESNER 1000 ROCKY HILL RD VICTOR, NY 14564
PROJECT MANAGER		FINAL	
A. SPENCER		TOTAL HOLDINGS SKETCH	
PROJECT ENGINEER			
F. SHELLEY			
DRAWN BY			
A. BEYLER			
SCALE	DATE ISSUED		
AS SHOWN	OCTOBER 3, 2022		
PROJECT NO.			
2568			
DRAWING NO.			
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1	REVISED PER TOWN COMMENTS	12/7/22	APB
	REVISIONS	DATE	BY

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10 LIFT BRIDGE LANE EAST  
FAIRPORT, NEW YORK 14450  
PHONE 585-377-7360  
FAX 585-377-7309  
WWW.BMEPC.COM

