

SURVEY CERTIFICATION

WE, PROFESSIONAL ENGINEERING GROUP, CERTIFY THAT THIS MAP WAS PREPARED IN ACCORDANCE WITH CURRENT STANDARDS JOINTLY ADOPTED BY GENESEE VALLEY LAND SURVEYORS ASSOCIATION AND THE MONROE COUNTY BAR ASSOCIATION AND FROM FIELD NOTES OF AN INSTRUMENT SURVEY PERFORMED DURING APRIL, 2018.

JAMES H. MISSELL L.S. #049777

RIGHT TO FARM NOTE

IT IS THE POLICY OF THE TOWN OF CANANDAIGUA TO CONSERVE, PROTECT AND ENCOURAGE THE DEVELOPMENT AND IMPROVEMENT OF AGRICULTURAL LAND FOR THE PRODUCTION OF FOOD AND OTHER PRODUCTS, AND ALSO FOR ITS NATURAL ECOLOGICAL VALUE. THIS NOTICE IS TO INFORM PROSPECTIVE GRANTEEES THAT THE PROPERTY DEPICTED ON THIS PLAT OR SITE PLAN IS ADJACENT TO UNIMPROVED LAND NOW BEING FARMED, OR SUITABLE FOR FARMING, AND THAT FARMING ACTIVITIES MAY INCLUDE, BUT NOT BE LIMITED TO, ACTIVITIES THAT MAY CAUSE NOISE, DUST AND ODORS.

APPROVALS

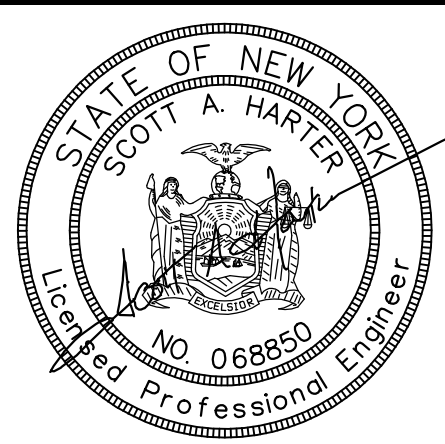
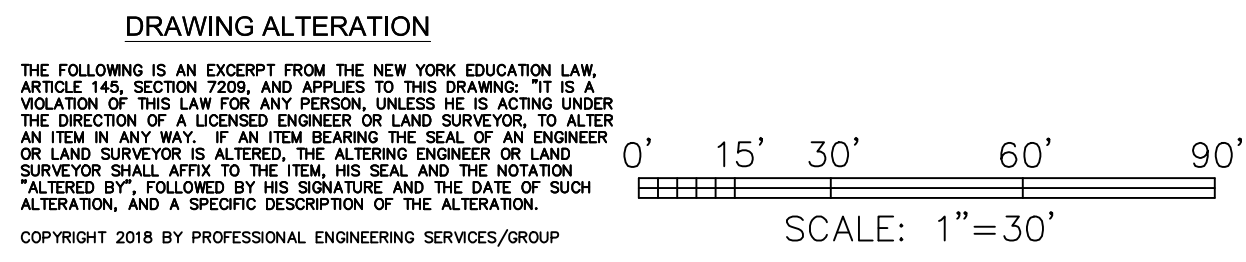
TOWN PLANNING BOARD CHAIRPERSON DATE

TOWN HIGWAY AND WATER SUPERINTENDENT DATE

NO PRELIMINARY SITE PLAN REVIEW WAS REQUIRED

NOT FOR CONSTRUCTION

THIS PLAN HAS NOT RECEIVED FINAL APPROVAL FROM ALL REVIEWING AGENCIES. IT IS SUBJECT TO REVISIONS AND SHOULD NOT BE USED FOR CONSTRUCTION PURPOSES UNTIL THIS NOTE IS REMOVED.

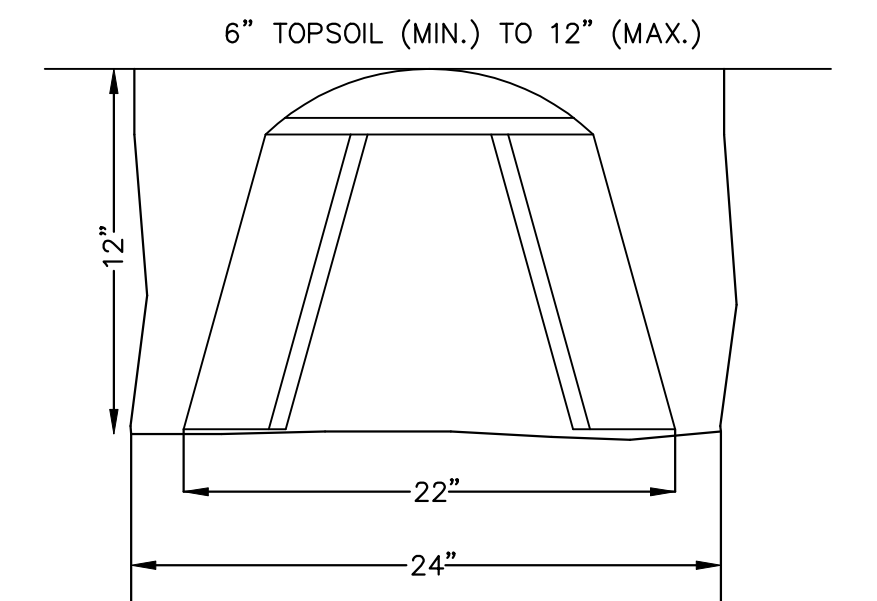
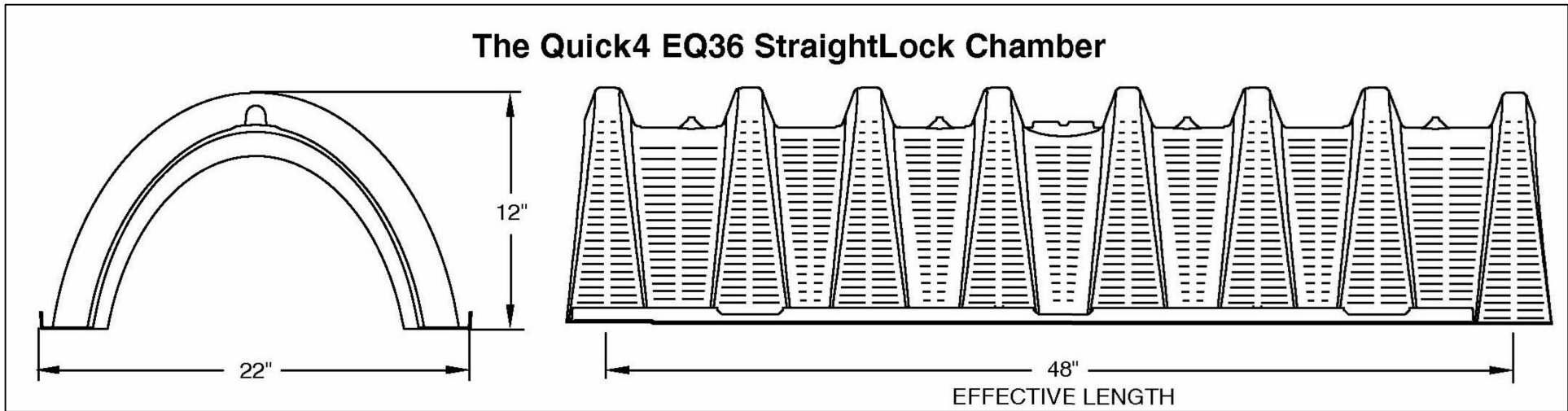


REVISIONS		
DATE	BY	DESCRIPTION
7/28/18	SH	INITIAL REVIEW
9/24/18	SH	PRC REVIEW

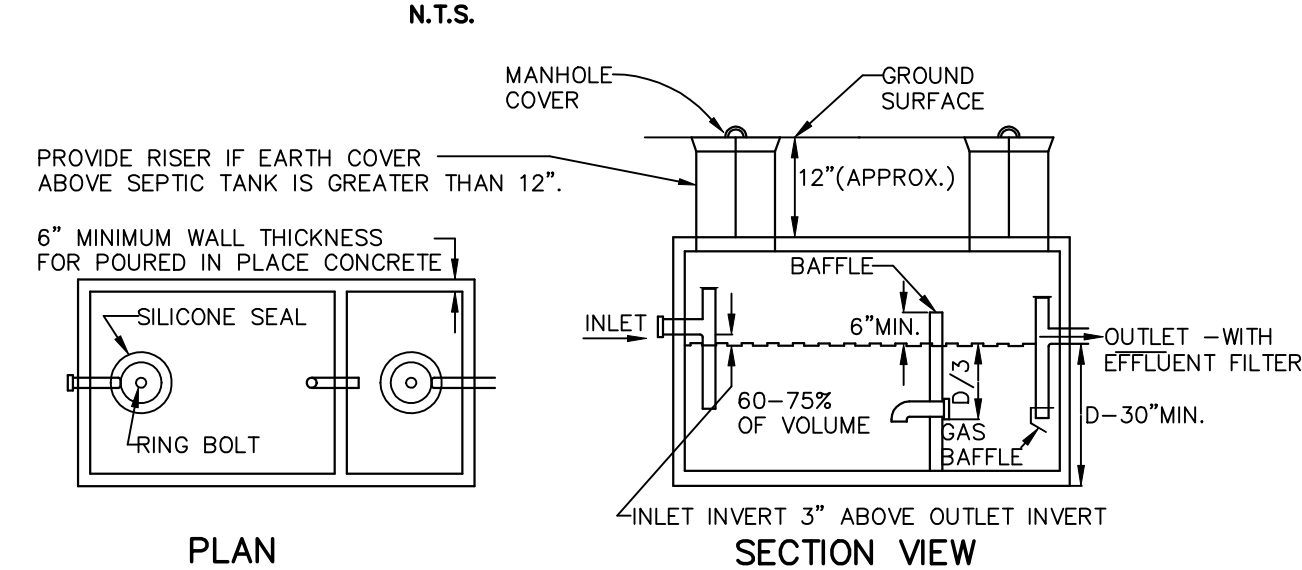
SITE PLAN	
5747 BARNES ROAD	
TOWN OF CANANDAIGUA, ONTARIO COUNTY, NEW YORK STATE	
PROFESSIONAL ENGINEERING GROUP	CLIENT: LYNN AND DIANE TUCKER 5081 STATE ROUTE 21 S CANANDAIGUA, NY 14424
7171 VICTOR - PITTSFORD ROAD VICTOR, NEW YORK 14564 TEL: (585) 924-1860 EMAIL: PROENGINEER1@PRODIGY.NET	TAX ACCOUNT NO. 153.00-1-12.340
DATE: MARCH 2018	ENGINEER: S.A.H
SURVEYOR: J.M.	SCALE: 1" = 30'
SHEET NO.: 1 OF 2	DRAWING NO.: 18053SP1

STANDARD WASTEWATER SYSTEM NOTES

- THE SANITARY WASTE DISPOSAL SYSTEM SHALL BE CONSTRUCTED IN ACCORDANCE WITH ALL STANDARDS OF THE NEW YORK STATE HEALTH DEPARTMENT AND THE TOWN OF MIDDLESEX.
- THE RECOMMENDED CONSTRUCTION SEQUENCE FOR SEPTIC SYSTEMS IS AS FOLLOWS:
 - OBTAIN A BUILDING PERMIT FROM THE TOWN OF CANANDAIGUA.
 - OBTAIN A CONSTRUCTION "STAKE OUT" OF THE HOUSE FOUNDATION, DRIVEWAY, WATER SERVICE, CURTAIN DRAIN AND LEACH FIELD AREA PRIOR TO BEGINNING ANY CONSTRUCTION.
- NON WASTEWATER FLOWS (SUMP PUMPS, ROOF DRAINS, ETC.) ARE NOT TO BE ADDED TO THE WASTEWATER SYSTEM.
- ALL FILL MATERIAL BROUGHT TO THE SITE SHALL BE CLEAN, FREE OF ORGANICS, WASTES AND FROZEN MATERIAL.
- NO PARKING OR DRIVING IS ALLOWED IN THE SEPTIC SYSTEM DISPOSAL AREA
- THE WASTEWATER SYSTEM MUST BE DESIGNED, SUPERVISED AND CERTIFIED BY THE DESIGN PROFESSIONAL.
- IN ORDER FOR THE DESIGN ENGINEER TO PROVIDE A WASTE WATER SYSTEM CERTIFICATION, THE DESIGN ENGINEER MUST REVIEW INFORMATION OBTAINED FROM AN "AS-BUILT" SURVEY OF THE SYSTEM PRIOR TO BACKFILLING. THIS SURVEY IS TO BE PERFORMED BY THE PROJECT SURVEYOR. SITE VISIT(S) BY THE DESIGN ENGINEER IS/ARE ALSO NECESSARY.



GRAVELLESS TRENCH OPTION DETAIL



1250 GALLON PRECAST CONCRETE SEPTIC TANK

N.T.S. (3 BEDROOM DESIGN BASIS)

GENERAL & UTILITY NOTES

- SAFE AND CONTINUOUS TRAFFIC AND INGRESS AND EGRESS FOR ADJACENT OWNER DRIVEWAYS, SERVICE AND PUBLIC ROADS SHALL BE MAINTAINED THROUGH THE PERIOD OF CONSTRUCTION.
- ALL CONSTRUCTION RELATED TO THIS PROJECT SHALL BE IN CONFORMANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REQUIREMENTS.
- THE CONTRACTOR SHALL OBTAIN ALL APPROPRIATE PERMITS BEFORE BEGINNING ANY CONSTRUCTION.
- THE CONTRACTOR IS REQUIRED TO NOTIFY CENTRAL STAKEOUT, TELEPHONE NO. 1-800-962-7962 (811) FOR FIELD STAKEOUT OF UNDERGROUND UTILITIES BEFORE COMMENCING CONSTRUCTION.
- THE PROPOSED WATER APPURTENANCES SHALL CONFORM TO THE THE LOCAL WATER AUTHORITY'S STANDARDS.
- ALL WATER AND WASTEWATER APPURTENANCES SHALL CONFORM TO NYS HEALTH DEPARTMENT STANDARDS.
- THE CONTRACTOR SHALL PROVIDE FOR EROSION CONTROL BARRIERS DURING CONSTRUCTION AND FOR THE REMOVAL OF THE SAME AFTER GRADING AND SEEDING HAS BEEN ESTABLISHED.
- THE CONTRACTOR SHALL BE REQUIRED TO CLEAN MUD AND DEBRIS FROM PUBLIC ROADS SERVICING THE CONSTRUCTION SITE DURING AND AFTER THE COMPLETION OF THE PROJECT.
- THE CONTRACTOR SHALL NOTIFY AGENCIES PRIOR TO ANY EXCAVATING AND REQUEST SUCH UTILITY TO STAKE OUT WATER, GAS, ELECTRIC, AND/OR BURIED TELEPHONE LINES OR CABLES.
- ALL UTILITIES MUST BE BORED ACROSS THE COUNTY HIGHWAY. "OPEN CUT" OF THE HIGHWAY IS NOT PERMITTED.
- THE CONTRACTOR SHALL USE DUE CAUTION IN PROTECTING PROPERTY MARKERS AND ALL ELEVATION SURVEY STAKES.
- THE ACCURACY OF EXISTING UTILITIES ARE NOT GUARANTEED. EXISTING UTILITIES SHOWN ON THE PLANS ARE A RESULT OF THE BEST INFORMATION THAT COULD BE OBTAINED FROM FIELD SURVEYS AND RECORD MAPS AND ARE FOR GENERAL INFORMATION ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE LOCATION OF ALL PERTINENT UTILITIES BY FIELD INVESTIGATION. THE CONTRACTOR SHALL ALSO TAKE THE NECESSARY MEASURES TO PRESERVE AND PROTECT EXISTING UTILITIES.
- ALL ELECTRICAL WORK SHALL BE PERFORMED IN CONFORMANCE WITH ALL NEC AND UL ELECTRICAL CODES
- ALL WATERMAINS AND SERVICES SHALL HAVE A MINIMUM OF 5' (FEET) OF COVER FROM THE TOP OF THE MAIN TO THE FINISHED GRADE. THE CONTRACTOR SHALL CHECK ALL OUT STAKES BEFORE TRENCHING TO INSURE THAT ALL INSTALLED WATERMAINS WILL HAVE THE REQUIRED COVER.
- THE CONTRACTOR SHALL COMPLY WITH THE NEW YORK STATE INDUSTRIAL CODE, RULE 23, SUBPART 23-4 "EXCAVATION OPERATIONS" AND ALL APPLICABLE O.S.H.A. REQUIREMENTS SO AS TO PROVIDE SAFE EXCAVATION PROCEDURES.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO TEMPORARILY SUPPORT AND MAINTAIN OTHER UTILITIES AS REQUIRED.
- ALL TRAFFIC MAINTENANCE INCLUDING SIGNS, BARRICADES, LIGHTS AND OTHER TRAFFIC CONTROL DEVICES SHALL BE IN CONFORMANCE WITH THE REQUIREMENTS OF THE NEW YORK STATE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
- PROPOSED SLOPES SHALL NOT EXCEED 1 ON 3 EXCEPT WHERE NOTED.
- THE CONTRACTOR SHALL READ AND BECOME COMPLETELY FAMILIAR WITH THE APPROVED DESIGN PLANS. SHOULD THE CONTRACTOR HAVE ANY QUESTIONS CONCERNING THE PROJECT DESIGN, CONTACT THE DESIGN ENGINEER PRIOR TO COMMENCING CONSTRUCTION.
- 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 WATERMAINS AND SEWER MAINS/SERVICES TO BE 10' (FEET) MEASURED FROM THE OUTSIDE OF THE PIPES. IF A CROSSING SHOULD OCCUR ONE FULL LENGTH OF THE SEWER SHALL BE CENTERED UNDER OR OVER THE WATERMAIN SO THAT BOTH THE JOINTS WILL BE AS FAR FROM THE SEWER AS POSSIBLE. WHERE A WATERMAIN CROSSES UNDER A SEWER ADEQUATE STRUCTURAL SUPPORT (COMPACTED SELECT FILL) SHALL BE PROVIDED FOR THE SEWER TO PREVENT SETTLING.

EROSION CONTROL CONSTRUCTION SEQUENCE

- INSTALL EROSION CONTROL MEASURES PRIOR TO ANY EXCAVATION WORK.
- INSTALL TEMPORARY SWALES TO INTERCEPT SURFACE WATER AND DIRECT IT AWAY FROM THE WORK AREA AS WORK PROCEEDS.
- FINISH GRADE AND PROMOTE VEGETATION ON ALL EXPOSED AREAS AS SOON AS PRACTICABLE.
- MONITOR SILT FENCING FOR SILT ACCUMULATION. REMOVE, REPLACE AND REPAIR AS NECESSARY.
- REMOVE EROSION CONTROLS AND CEASE MONITORING ONLY AFTER APPROVAL HAS BEEN GRANTED BY THE TOWN OR WATERSHED INSPECTOR.
- IN ADDITION TO THESE MEASURES, THE CONTRACTOR SHALL COMPLY WITH WHATEVER SUPPLEMENTARY MEASURES MAY BE REQUIRED TO ENHANCE OR IMPROVE THE CONTROL OF EROSION ON THIS SITE, AS ORDERED BY THE TOWN OR WATERSHED INSPECTOR.

SOIL TEST RESULTS

DEEP HOLE TEST PERFORMED ON 4/30/18 WITH NOTED SOIL LAYERS AS FOLLOWS:

0-18" TOPSOIL
18"-72" SANDY LOAM

NO GROUNDWATER, SEEPAGE OR MINERAL DEPOSITS OBSERVED.

STABILIZED PERCOLATION RATE FOR PERCOLATION TEST HOLES WAS 30 MINUTES. PERK HOLE DEPTH WAS 24".

ALL TESTS PERFORMED AND/OR WITNESSED BY SCOTT A. HARTER, P.E. WITH ASSISTANCE FROM ANDREW LENNOX AND WILL FERNANDEZ.

TENTATIVE CONSTRUCTION SCHEDULE/SEQUENCE

PROPOSED START DATE IS APPROXIMATELY SEPTEMBER 15, 2018.

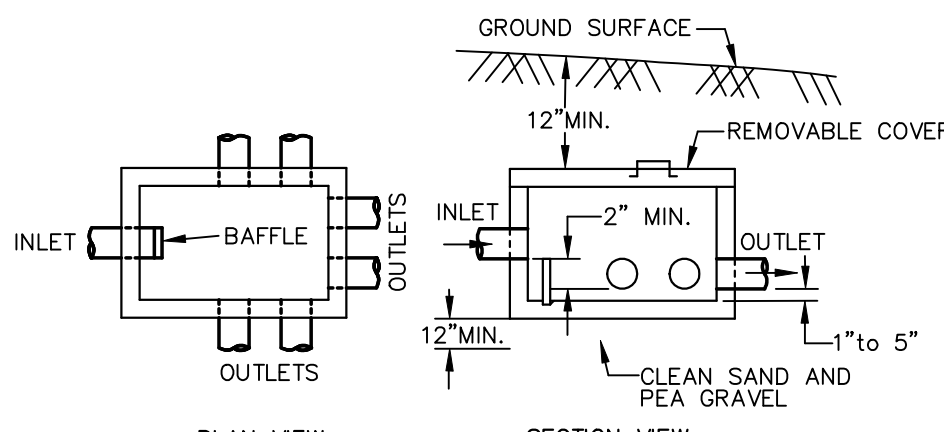
CONSTRUCTION DURATION IS ESTIMATED TO BE SIX TO NINE MONTHS (WEATHER PERMITTING) FROM START DATE.

CONSTRUCTION SEQUENCE IS:

- MOBILIZE EQUIPMENT IN STAGING AREA.
- RECEIVE MATERIALS FOR CONSTRUCTION AND PLACE IN STAGING AREA.
- PLACE EROSION CONTROLS (SILT FENCE) DOWNSLOPE OF WORK AREA.
- PERFORM EXCAVATION WORK DEFINED IN WORK LEGEND, REMOVE ALL DEBRIS AND EXTRANEIOUS MATERIALS. DEBRIS TO BE REMOVED AND NOT STOCKPILED.
- CONSTRUCT IMPROVEMENTS PROGRESSIVELY AS GENERALLY FOLLOWS:

INSTALL UG ELECTRIC TO LOCATION IN AGREEMENT WITH NEW HOUSE AND ENERGY PROVIDER'S DESIGN
CONSTRUCT NEW RESIDENCE
INSTALL NEW WATER SERVICE
INSTALL NEW WASTEWATER SYSTEM COMPONENTS
INSTALL NEW DRIVEWAY
INSTALL NEW DISPERSAL AREA

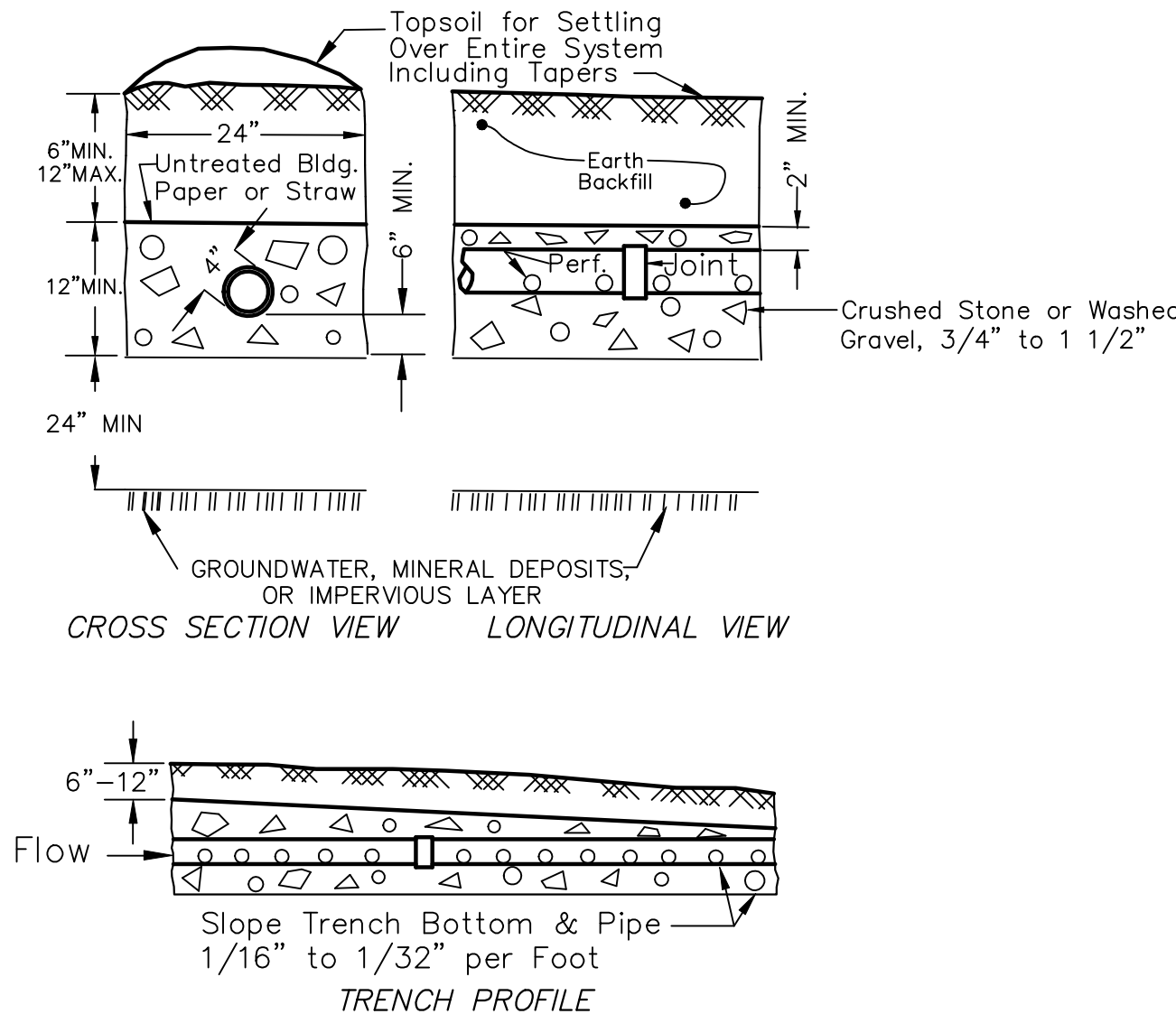
- TOPSOIL AND SEED DISTURBED AREAS PER EROSION CONTROL NOTES.
- CLEAN SITE AND DEMOBILIZE EQUIPMENT AND MATERIALS.



- NOTES:
- PIPE JOINTS TO BE SEALED WITH ASPHALTIC MATERIAL OR EQUIVALENT.
 - INVERT ELEVATIONS OF ALL OUTLET PIPES MUST BE EQUAL. FLOW EQUALIZATION CAPS MUST BE PROVIDED AT THE BEGINNING OF EACH LINE WITHIN THE DISTRIBUTION BOX.
 - THE SLOPE OF OUTLET PIPES BETWEEN THE DISTRIBUTION BOX AND DISTRIBUTOR LATERALS SHOULD BE 1/16" PER FOOT, (MIN.) SLOPE.

TYPICAL DISTRIBUTION BOX DETAIL

N.T.S.



STANDARD LEACH FIELD TRENCH DETAIL

N.T.S.

TEMPORARY SEEDING

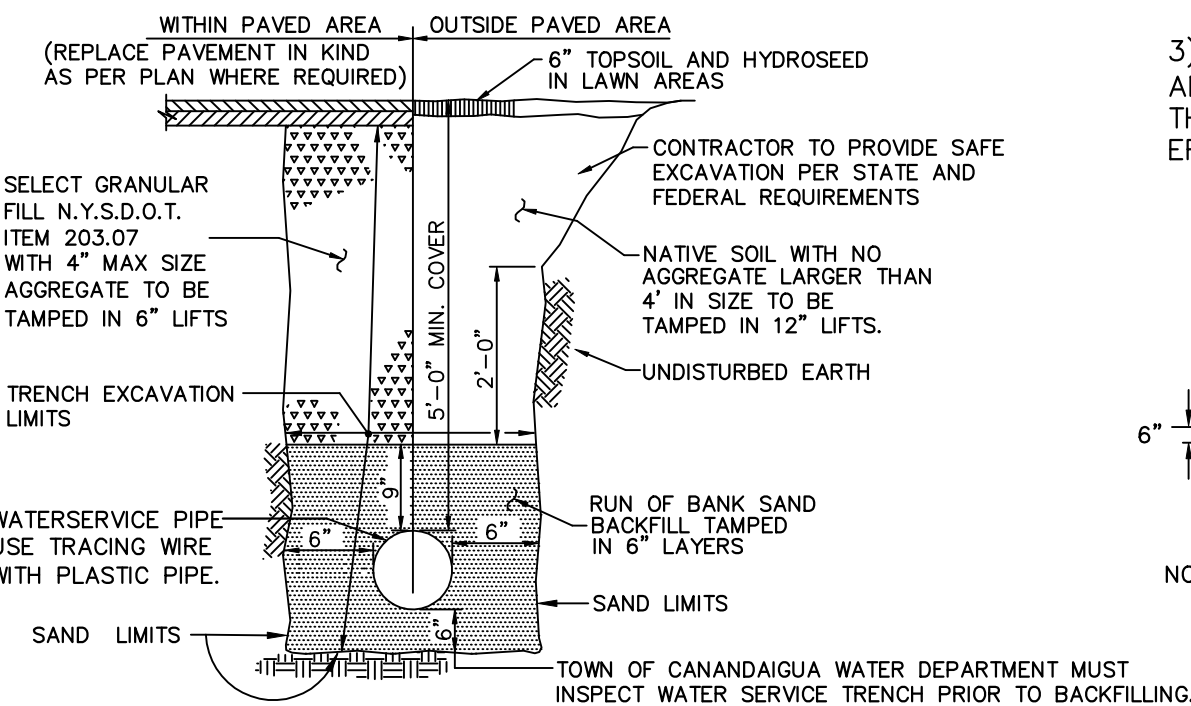
- IF SOILS ARE COMPACTED, SCARIFY UPPER TWO INCHES BY BACKBLADING WITH A DOZER, RAKING, OR DISKING.
- IMMEDIATELY FERTILIZE WITH 300 LBS/ACRE OF 10-10-10. NOTE: NO FERTILIZER SHOULD BE USED AFTER OCTOBER 1ST IF THERE IS DANGER OF LEACHING INTO A WATER RESOURCE.
- IMMEDIATELY SEED WITH THE FOLLOWING MIX:
40 LBS/ACRE ANNUAL RYEGRASS
40 LBS/ACRE PERENNIAL RYEGRASS
40 LBS/ACRE CREEPING RED FESCUE
4 LBS/ACRE WHITE CLOVER (INOCULANT)
- APPLY STRAW MULCH-STRAW MULCH IS NECESSARY TO HOLD IN MOISTURE, PROTECT SOIL FROM EROSION, HOLD SEED IN PLACE, AND KEEP SOIL TEMPERATURES MORE CONSTANT. 3 BALES PER 1000 SQ. FT.

PERMANENT SEEDING

- REPLACE TOPSOIL TO A MINIMUM DEPTH OF 4 INCHES.
- SEED 20 POUNDS OF PERENNIAL RYEGRASS PER ACRE AND 80 POUNDS PER ACRE OF KENTUCKY BLUEGRASS OR EQUIVALENT.
- FERTILIZE WITH 600 POUNDS PER ACRE OF 10-10-10. LIME TO ACHIEVE A PH OF 6.0. IF HYDROSEEDER IS NOT USED, SEED AND FERTILIZER SHOULD BE LIGHTLY RAKED INTO SOIL.
- MULCH WITH CLEAN (WEED FREE) STRAW.

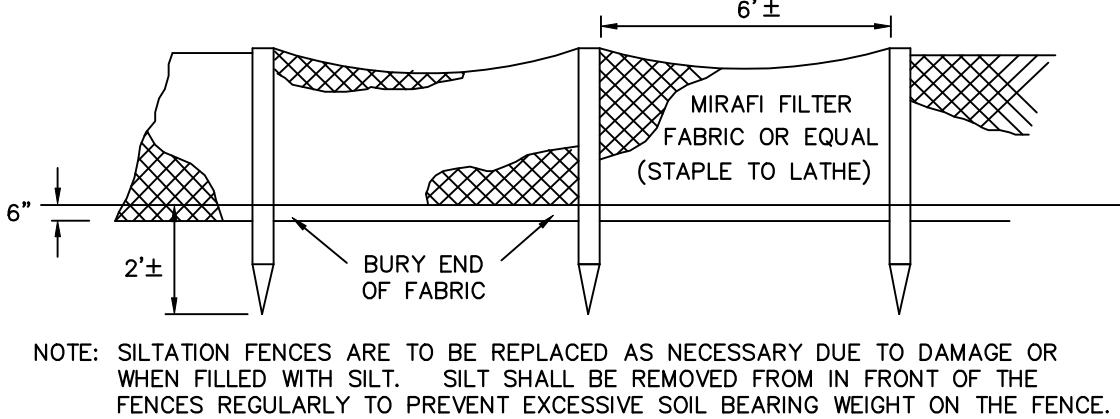
TYPICAL WATER SERVICE TRENCH DETAIL

N.T.S.



SILT FENCE DETAIL

N.T.S.



NOTE: SILTATION FENCES ARE TO BE REPLACED AS NECESSARY DUE TO DAMAGE OR WHEN FILLED WITH SILT. SILT SHALL BE REMOVED FROM IN FRONT OF THE FENCES REGULARLY TO PREVENT EXCESSIVE SOIL BEARING WEIGHT ON THE FENCE.

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE AND INITIALIZE EROSION CONTROL MEASURES. SILTATION FENCES ARE TO BE MAINTAINED TO THE SATISFACTION OF THE TOWN INSPECTION PERSONNEL AND WILL BE REMOVED BY THE CONTRACTOR ONCE GROUND COVER IS RE-ESTABLISHED.

SPDES GENERAL PERMIT REQUIREMENTS

STABILIZATION MEASURES (TEMPORARY OR PERMANENT SEEDING, MULCHING, GEOTEXTILES, ETC.) MUST BE INITIATED WITHIN 14 DAYS WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, AND NOT EXPECTED TO RESUME WITHIN 21 DAYS.

NO PRELIMINARY SITE PLAN REVIEW WAS REQUIRED

DETAIL SHEET

5747 BARNES ROAD

TOWN OF CANANDAIGUA, ONTARIO COUNTY, NEW YORK STATE

PROFESSIONAL ENGINEERING GROUP

7171 VICTOR - PITTSFORD ROAD

VICTOR, NEW YORK 14564

TEL: (585) 924-1860 EMAIL: PROENGINEER1@PRODIGY.NET

DATE: MARCH 2018

ENGINEER: S.A.H

SURVEYOR: J.M.

SCALE: AS SHOWN

SHEET NO.: 2 OF 2

DRAWING NO.: 18053DTI



REVISIONS

DATE	BY	DESCRIPTION
9/24/18	SH	PRC REVIEW

NOT FOR CONSTRUCTION

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DRAWING ALTERATION

THE FOLLOWING IS AN EXCERPT FROM THE NEW YORK EDUCATION LAW, ARTICLE 146, 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 ENGINEER OR LAND SURVEYOR, TO ALTER AN 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."

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