

LEGEND

Existing	Proposed	
---	---	Property Line/R.O.W.
△ I.P.		Iron Pin
△ Conc. Mon.		Concrete Monument
--- 776 ---	--- 776 ---	Ground Contour
△ Hyd.		Hydrant
---	---	Watermain
---	---	Water Service
---	---	Force Main
---	---	Utility Pole
---	---	Overhead Wire
---	---	Underground Electric
---	---	Asphalt Pavement
---	---	Light Pole
---	---	Lighting Contour (Footcandle)
---	---	Exterior Overhead Door
---	---	Exterior Man Door
---	---	Percolation Test Hole
---	---	Deep Hole Excavation
---	---	Tree/Evergreen
---	---	Tree/Evergreen to be Removed
---	---	Planting Schedule Key (BM) and Quantity (2)

PROJECT INFORMATION

General Information	
Owner/Developer:	Kevin Degrow Frontenac Holding 21 Basin Street Union Springs, NY 13160
Property Address:	2121 State Route 332
Property T.A.N.:	56.00-1-57.000
Property Size:	2.879 acres
Zoning Information	
District:	CC Community Commercial Residential
Permitted Use:	Vehicle Sales
Proposed Use:	Boat Sales in 2,400 s.f. building
Zoning Regulations:	
Min. Front Setback:	150'
Min. Rear Setback:	40'
Min. Side Setback:	20' to 100'
Max. Building Height:	35'
Max. Building Coverage:	50%
Parking Calculation:	
Required:	1 space per 300 s.f. of gross floor area with a minimum of 10 spaces
Proposed:	10 spaces

Proposed Area of Ground Disturbance = 0.899 Acres

GENERAL NOTES

- The plans show subsurface structures, above ground structures and/or utilities from field location and record mapping, exact location of which may vary from the locations indicated. In particular, the Contractor is warned that the exact or even approximate location of such pipelines, subsurface structures and/or utilities in the area may be different from that shown or may not be shown and it is his responsibility to proceed with great care in executing any work. Call Dig Safely New York, telephone 811, 48 hours before you dig, drill or blast.
- This property is not located within a 100-year floodplain (Flood Zone X per FEMA Community Panel No. 360598 0005 C, effective date March 3, 1997).
- This property does not contain federal or state wetland areas or the 100' buffer to wetland areas.
- The Contractor shall locate, mark, safeguard, and preserve all survey control monuments in the areas of construction.
- This property is located within 500 feet of Agricultural District #1.
- This property is located within the Canandaigua City School District, the Canandaigua Fire Protection District, and the Canandaigua-Farmington Water District.
- The property lines and right-of-way lines shown on the plans are for information only, and no warranty is made as to their correctness.
- The Contractor shall maintain in service all existing sewers, culverts, ditches, manholes, and catch basins during construction.
- Construction Stakeout: The Contractor is responsible for all construction stakeout as shown on the plans.
- Traffic shall be maintained throughout construction. Ingress and egress to driveways, parking lots, and service roads shall be continuously maintained throughout the period of construction.
- The Contractor shall take care to prevent damage to existing utilities. Damaged utilities shall be immediately repaired by the Contractor at the Contractor's expense.
- All proposed utilities and appurtenances shall be constructed in compliance with the local municipalities' codes and regulations governing the installation of such utilities.
- The Contractor shall be responsible for obtaining and incurring the cost of all required permits, inspections, certificates, etc. and shall comply with all required permits.
- All work shall be done in strict compliance with all applicable National, State, and local codes, standards, ordinances, rules, and regulations.
- Miscellaneous work not specifically shown on the contract drawings such as patching, blocking, trimming, etc. shall be performed as required to make the work complete.
- It is the Contractor's responsibility to examine all plan sheets and coordinate work with all other contracts for the site.
- The Engineer shall be notified in writing of any conditions that vary from those shown on the plans. The Contractor's work shall not vary from the plans without the expressed approval of the Engineer.
- The Contractor shall restore lawns, driveways, culverts, signs, and other public or private property damaged or removed to at least as good a condition as before being disturbed as determined by the Engineer. Any damaged trees, shrubs, and/or hedges shall be replaced at the Contractor's expense.
- Unsuitable material shall be removed from the site and properly disposed.
- At the time of completion and acceptance of the work, all areas disturbed by the Contractor's operations shall be finished, graded, topsoiled, and seeded per the specifications.
- All improvements shall be in accordance with the most recent standards and specifications of the Town of Canandaigua.
- All work within the State highway boundaries will require approval and a permit from the New York State Department of Transportation.
- All site lighting shall be compliant with the Town Code Chapter 105, Section 805.
- All erosion control measures shall be installed by the developer and inspected by the Town Code Enforcement Officer or his/her representative prior to any permits being issued.
- The northern portion of this parcel is comprised of Cayuga silt loam soil. The southern portion of this parcel is comprised of Collamer silt loam soil.

SOIL EROSION AND SEDIMENTATION CONTROL NOTES

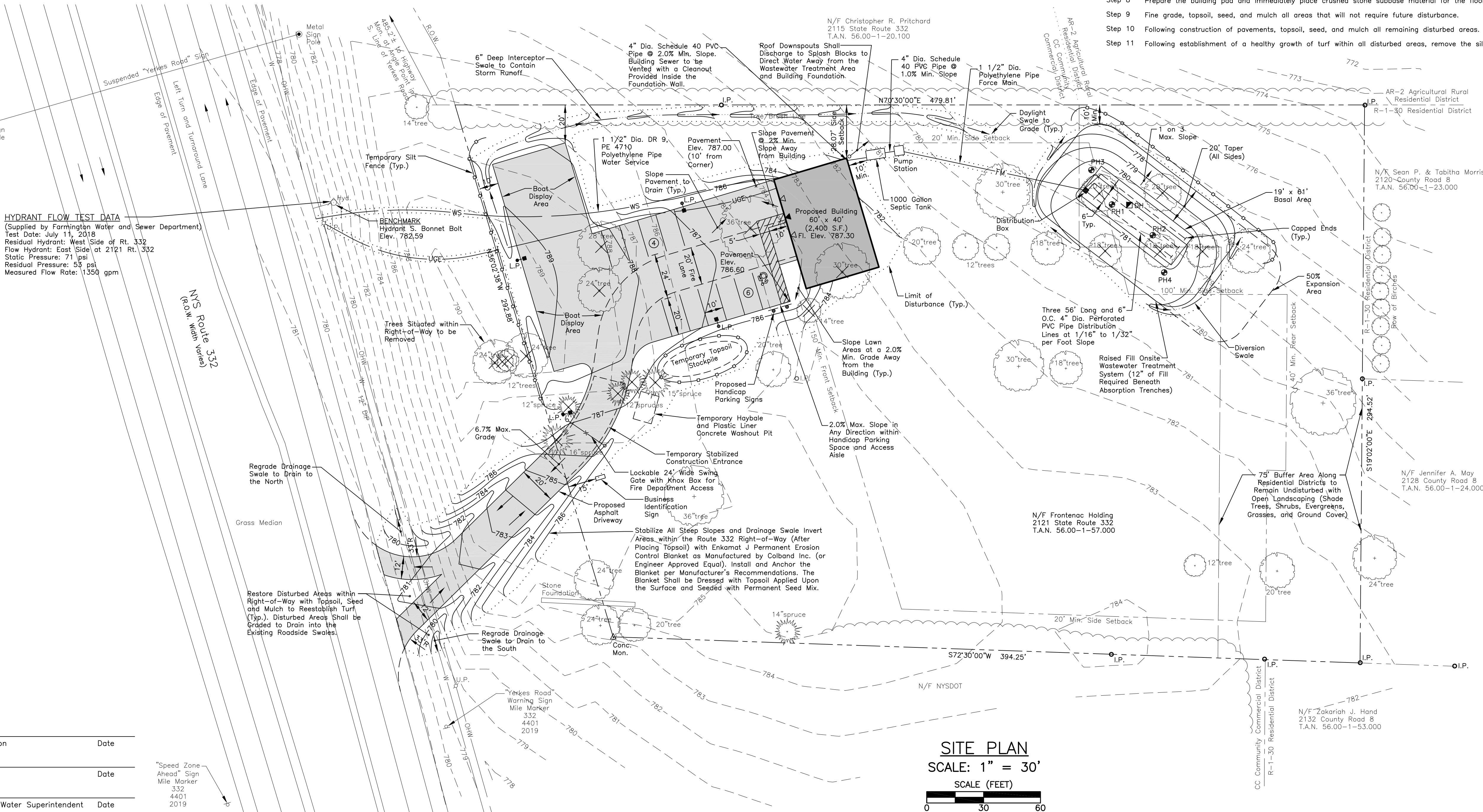
- Developer shall install erosion and siltation control measures during construction to prevent off-site transport and deposition of materials.
- The temporary erosion/sedimentation control measures depicted on the site plan shall be supplemented with additional controls if found necessary during construction. Developer is responsible for establishing the controls during construction, and removing the controls following re-establishment of ground cover. Ground cover shall be established within 30 days of completion of final grading.
- Straw bale sediment traps shall be placed as shown on the plan and as needed during construction.
- All sedimentation control structures shall remain in effective operating condition.
- All disturbed areas shall be stabilized immediately following removal of sediment control structures.
- All points of construction ingress and egress shall be protected to prevent tracking of mud onto public ways.
- Roof downspouts shall direct water away from the building.
- In areas where soil disturbance activity has been temporarily or permanently ceased, temporary and/or permanent soil stabilization measures shall be installed and/or implemented within seven (7) days from the date the soil disturbance activity ceased. The soil stabilization measures selected shall be in conformance with the most current version of the technical standard, New York State Standards and Specifications for Erosion and Sediment Control.
- Temporary Seed Mix (2# per 1,000 s.f.)**
Annual Ryegrass 50% by weight (90% purity)
Tall Fescue 50% by weight (90% purity)
Permanent Seed Mix (5# per 1,000 s.f.)
Kentucky Bluegrass 45% by weight (85% purity)
Red Fescue 40% by weight (95% purity)
Common Ryegrass 15% by weight (95% purity)
Lawn Fertilizer (5# per 1,000 s.f.)
Straw Mulch (75% ground coverage)

CONSTRUCTION SEQUENCE

- Install the new driveway onto NYS Route 332 including stone base course material and slope stabilization measures.
- Install silt fence at the locations indicated on the plan.
- Install stabilized construction entrance and the temporary concrete washout pit.
- Strip topsoil and place it within the designated storage areas or remove it from the site.
- Mass grade the development area.
- Fine grade all pavement subgrade areas and place geotextile fabric and stone base course material.
- Construct building foundations.
- Prepare the building pad and immediately place crushed stone subbase material for the floor slab.
- Fine grade, topsoil, seed, and mulch all areas that will not require future disturbance.
- Following construction of pavements, topsoil, seed, and mulch all remaining disturbed areas.
- Following establishment of a healthy growth of turf within all disturbed areas, remove the silt fence.

MAP AND SURVEY NOTES

- This plan was prepared using a survey map entitled "Topographic and Boundary Survey of Lands of Michael Wagner," prepared by Freeland-Parrinello Land Surveyors dated January 10, 2014.



APPROVALS

Planning Board Chairperson	Date
Town Engineer	Date
Canandaigua-Farmington Water Superintendent	Date

REVISIONS

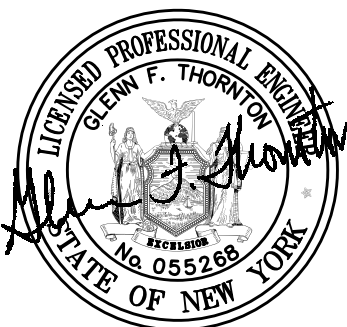
NO.	DESCRIPTION	DATE	BY

It is a violation of New York State Education Law Article 145 Section 7209 for any person, unless he or she is acting under the direction of a licensed professional 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 or her seal and the notation "altered by" followed by his or her signature and the date of such alteration, and a specific description of the alteration.

THORNTON ENGINEERING LLP

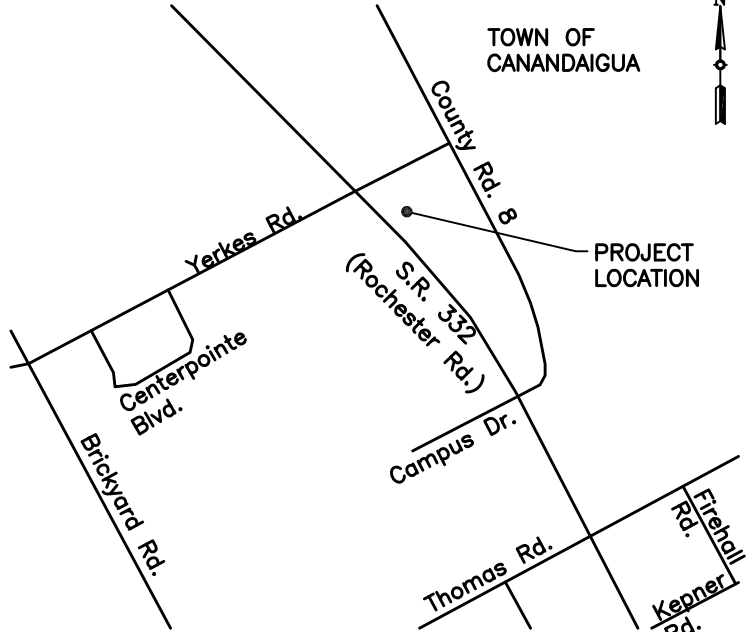
30 Assembly Drive, Suite 106
Mendon, New York 14506

Consultant Engineers



ALL RIGHTS RESERVED: No part of this document may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means electronic, mechanical, photocopying, recording, or otherwise without the prior written authorization of Thornton Engineering LLP.
© Thornton Engineering LLP, 2018

LOCATION MAP:



PROJECT NAME:

Frontenac Boat Sales

2121 State Route 332
Town of Canandaigua
Ontario County, NY

DRAWING TITLE:

Site Plan

FILE NAME: SITEPLAN.DWG	DESIGNED BY: GFT
DRAWN BY: HKT	CHECKED BY: GFT
APPROVED BY: GFT	DATE: AUGUST 2018
SCALE: 1" = 30'	PROJECT NO.: 18-682
SHEET NO.: 1 OF 6	DRAWING NO.: S-1

PLANTING SCHEDULE						
QUANTITY	KEY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	NOTES
2	BM	Buxus microphylla	Littleleaf Boxwood	24" Height	Container	
8	JW	Juniperus horizontalis "Wiltonii"	Blue Rug Wiltoni Juniper	# 1	Container	
3	RL	Syringa x "Royalty"	Royalty Lilac	24" Height	Container	
2	H	Hosta "Risky Business"	Risky Business Hosta	# 2	Container	
1	CC	Cereis canadensis	Redbud	8' to 10' Height	Balled and Burlapped	
3	SW	Spirea x burmalda "Anthony Waterer"	Anthony Waterer Spirea	# 3	Container	
3	AC	Abies concolor	White Fir	6' to 8' Height	Balled and Burlapped	20' O.C. Min.
4	WW	Weigela florida "Alexandra"	Wine and Roses Weigela	# 2	Container	4' O.C. Min.

LANDSCAPING NOTES

- All plants shall meet or exceed the requirements set forth in the latest edition of the American Standard for Nursery Stock by the American Association of Nurserymen, ANSI Z60.1.
- Upon completion and acceptance of the landscaping by the Town of Canandaigua, a two (2) year maintenance guarantee is required.
- All planting beds to receive 3" of shredded hardwood bark mulch and weed barrier.
- No trees are to be planted within 20' of overhead wires or within 5' of underground utilities.
- Stake and wrap tree trunks upon planting.
- Planting backfill mixture to consist of 4 parts of topsoil and 1 part peat moss. Provide 10 lbs. of 5-10-5 fertilizer per 1 cubic yard of planting backfill.
- Apply lawn seed mix at a rate of 5 lbs. per 1,000 s.f. of lawn area using the following proportions by weight:
 Lawn Areas
 % by Weight in Mixture Species or Variety
 45 Kentucky Bluegrass
 40 Red Fescue (commercial)
 15 Common Ryegrass

Rate of lawn fertilizer to be 25 lbs. per 1,000 s.f.

- All seeded areas are to receive 4" of topsoil, seed, straw mulch cover, fertilizer, and water until a thick turf cover is obtained.
- All planting bed areas shall be constructed with 12" of planting backfill mixture.
- Topsoil must be stripped and stockpiled before construction and replaced on all landscaped and lawn areas to a minimum depth of 4" before resale or removal from site.
- 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 NYS DEC regulations.

CONSTRUCTION NOTES

- The locations of new underground lighting circuits have not been depicted on this plan. The Contractor shall provide necessary circuitry to energize the new lighting system per the detail on this drawing.
- All site lighting is to comply with the lighting standards contained in Town Code Chapter 220, Section 220-77.

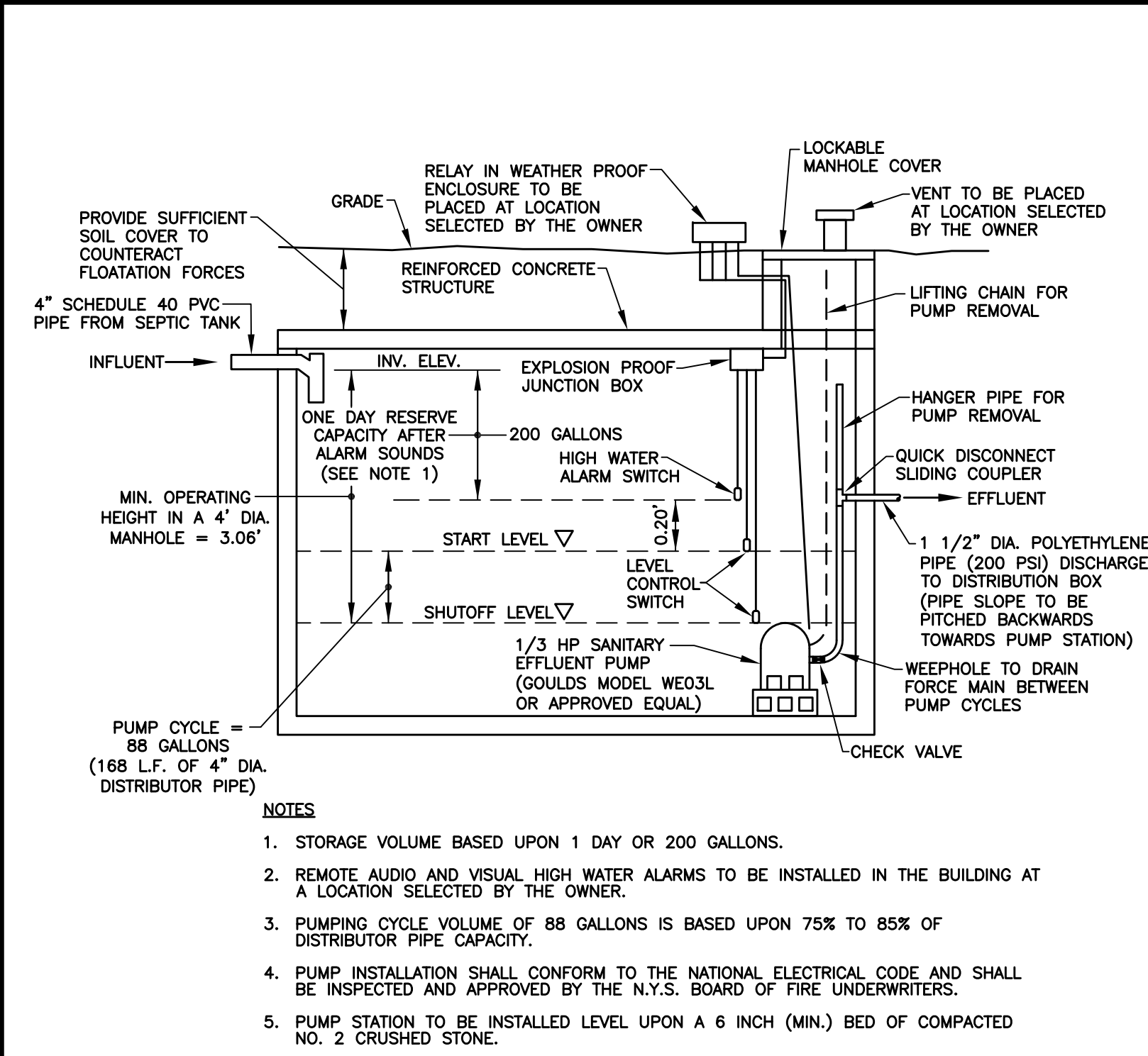


Project: _____
 Location: _____
 Call No: _____
 Title: _____
 City: _____
 Name: _____

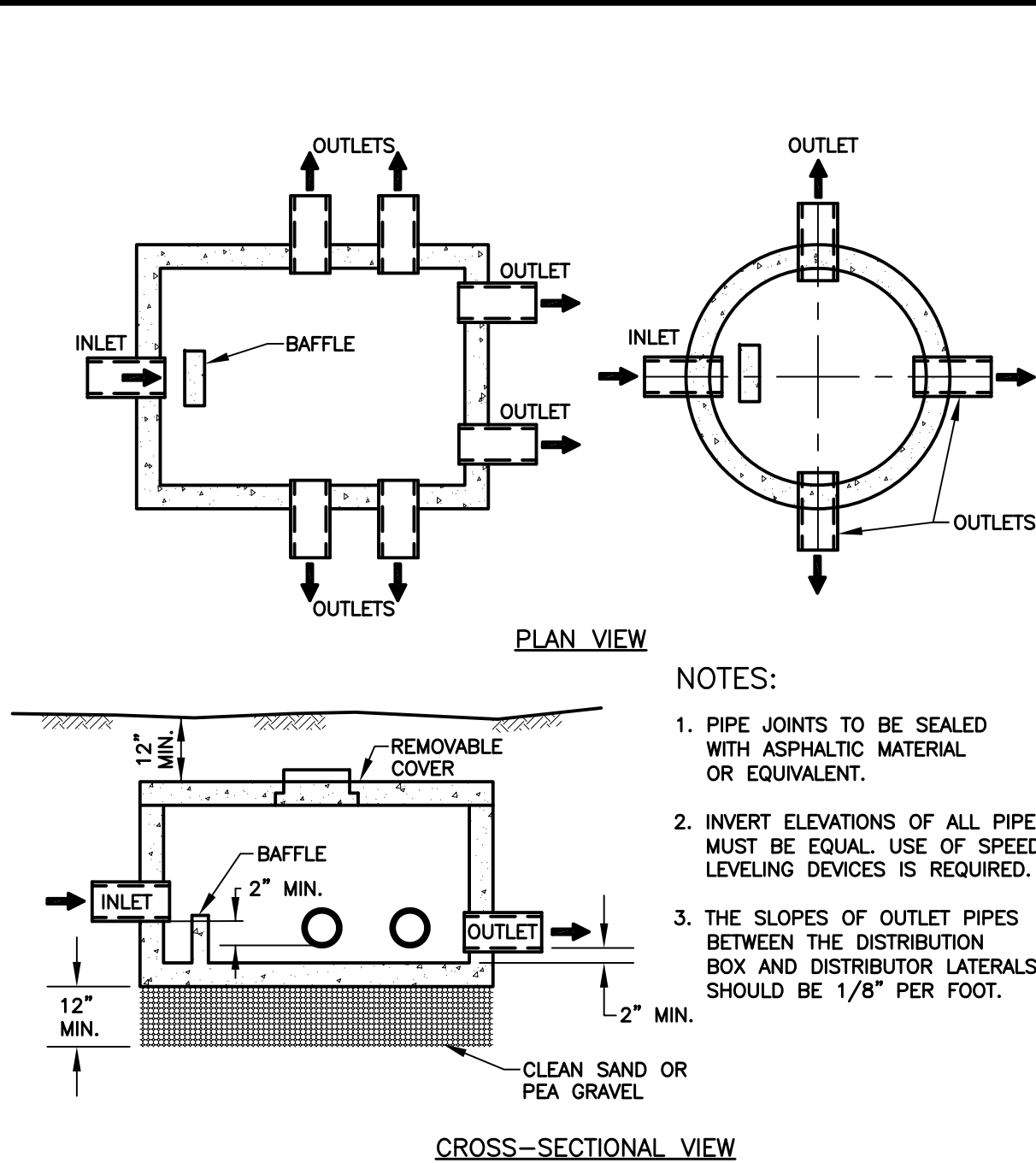
The Philips Gardco EcoForm Gen-2 combines economy with performance in an LED area luminaire. Capable of delivering up to 25,400 lumens or more in a compact, low profile LED luminaire. EcoForm offers a new level of customer value. EcoForm features an innovative retrofit arm kit, simplifying site conversions to LED by eliminating the need to drill additional holes in most existing poles. Integral control systems available for further energy savings.

Ordering guide

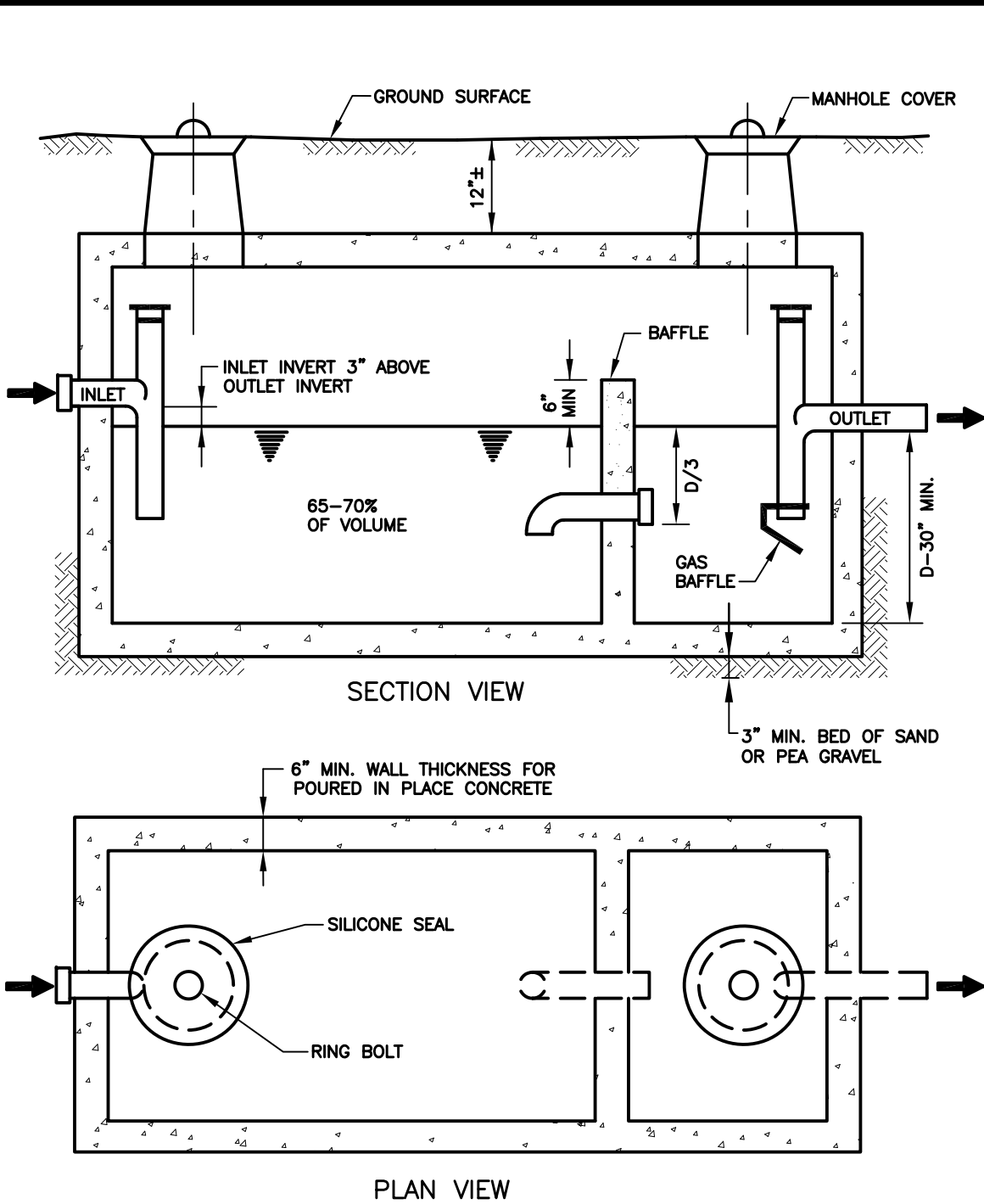
Profile	Number of LED's	Drive Current	LED Color - Generation	Mounting	Distribution	Voltage	Dimming capability	Heat sink material	Photo-sensing	Ballast	Luminaire	Finish
ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S ECF-S EC												



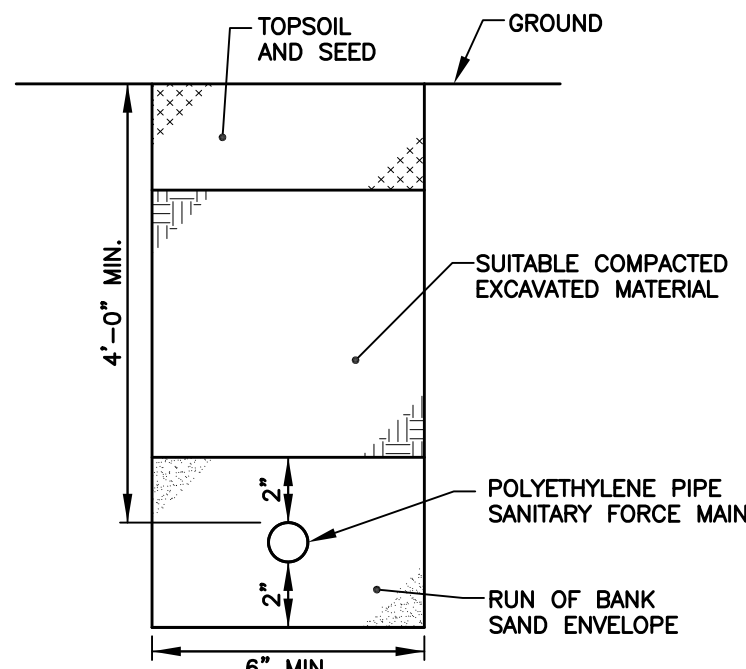
PRECAST CONCRETE PUMP STATION
NOT TO SCALE



DISTRIBUTION BOX
NOT TO SCALE



SEPTIC TANK DETAIL
NOT TO SCALE



SANITARY FORCE MAIN
NOT TO SCALE

WASTEWATER TREATMENT SYSTEM NOTES

- Sewage disposal systems shall be constructed in accordance with the 2014 Design Standards for Intermediate Sized Wastewater Treatment Systems issued by the New York State Department of Environmental Conservation.
- Contractor to maintain a minimum of 10' setback of system from the property line for any point on the system.
- Any deviation from the proposed plans will require new submission of plans to the appropriate agencies.
- The Onsite Wastewater Treatment System has been designed to accept daily design flows of 200 gallons. The daily design flows do not include additional capacity required for use of garbage grinders.
- Non-wastewater flows (e.g. sumps, roof drains, footer drains, etc.) should not be added to the system.

RAISED FILL CONSTRUCTION NOTES

- Heavy construction equipment shall NOT be allowed within the area of the system. The original soil must be left in place and plowed with at least a double bottomed blade/plow and the furrow turned upslow. The soil must NOT be wet when plowed.
- No standing water in the fill area is allowed.
- Fill material must be placed on the edge of the prepared base and pushed into place by a bulldozer while maintaining at least six (6) inches of fill under the tracks.
- The absorption trenches shall be constructed in the fill material. Trenches shall not be constructed if the frost has penetrated the fill more than three (3) inches.
- No cut in leach field area.
- Fill material shall be perc tested following placement and shall achieve a perc rate of 5 minutes to 30 minutes. The length of absorption trench shall be calculated based upon the perc rate in the fill material.
- The entire surface of the fill system, except the taper, shall be covered with a minimum of six (6) inches of topsoil rounded to enhance runoff from the system and seeded to grass. Tapers shall be covered with three (3) to six (6) inches of topsoil.
- Swales shall be constructed to divert surface water around the system and provide drainage away from the system.
- Individual distribution pipes shall be of equal length.
- Percolation tests shall be conducted in the fill material at the borrow pit and after placement and settling at the construction site and before leach lines are installed. The slower percolation rate of these tests shall be used for design purposes.
- A system shall not be built in unstabilized fill material. The fill material shall be allowed to settle naturally for a period of at least six months to include one freeze-thaw cycle, or may be stabilized by mechanical compaction in shallow lifts if a fill material consisting of only a granular sand or sandy loam is used.

NECESSARY SEWAGE SYSTEM INSPECTIONS

- The Contractor shall notify the Design Engineer and the Town Code Enforcement Officer a minimum of two (2) business days prior to construction so that necessary inspections can be scheduled.
- All work will be supervised, inspected, and certified by the Design Engineer, Thornton Engineering. Field measurements of all system components will be assembled and as-built plans of the system will be prepared by the Design Engineer.

SOIL INVESTIGATION RESULTS

Soil Percolation Tests (performed by Glenn Thornton on 8/5/18)	Test Results (Minutes)
PH1 (12" deep)	57 minute percolation rate 40, 56, 57
PH2 (12" deep)	45 minute percolation rate 15, 28, 45, 43
PH3 (22" deep)	60+ minute percolation rate 60+
PH4 (23" deep)	60+ minute percolation rate 60+

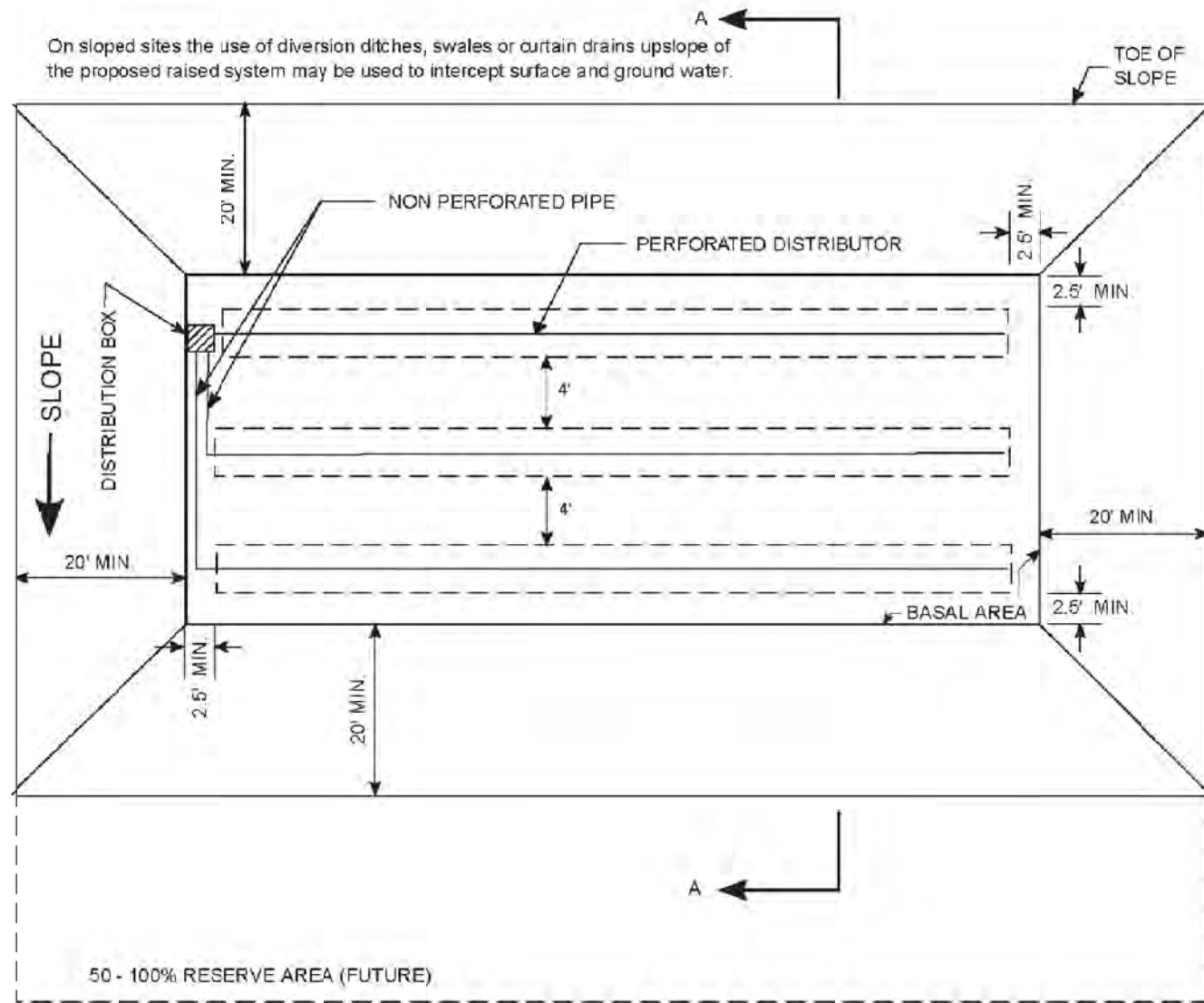
Deep Hole (DH) (performed on 6/5/18)

0" to 7 1/2"	Topsoil
7 1/2" to 24"	Clay loam, loose, light brown, moist, few stones
24" to 72"	Clay loam, compact, dark brown, with stones

Deep Hole Excavation did not find evidence of groundwater, bedrock, or impervious layers to a depth of 72 inches.

WASTEWATER TREATMENT SYSTEM DESIGN DATA	
	SALES BUILDING
DESIGN FLOW	200 GPD
MIN. SEPTIC TANK CAPACITY	1000 GAL.
PERCOLATION RATE (TOP 12")	55 MIN.
REQ'D. BASAL AREA	1000 S.F.
BASAL AREA DIMENSIONS	19' x 61'
PERF. DISTRIBUTOR LINES	3 @ 56 L.F.*
DESIGN ELEVATIONS	
SEWER INV. AT BLDG.	780.00
SEPTIC TANK IN	779.60
SEPTIC TANK OUT	779.35
PUMP STATION IN	779.20
PUMP STATION OUT	777.00
DISTRIBUTION BOX IN	780.77
DISTRIBUTION BOX OUT	780.60
DISTRIBUTOR LINE 1 BEGIN	780.50
DISTRIBUTOR LINE 1 END	780.30
DISTRIBUTOR LINE 2 BEGIN	780.35
DISTRIBUTOR LINE 2 END	780.15
DISTRIBUTOR LINE 3 BEGIN	780.20
DISTRIBUTOR LINE 3 END	780.00

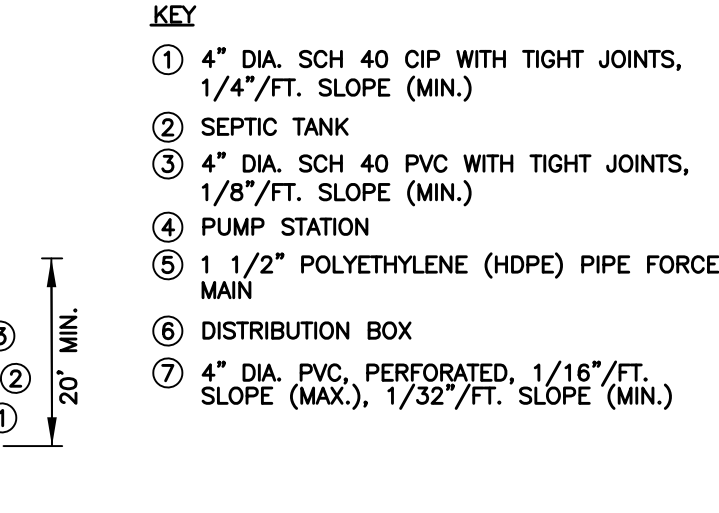
* THE TOTAL LENGTH OF DISTRIBUTOR PIPES (168 L.F.) AND SIZE OF BASAL AREA (1000 S.F.) REQUIRES PLACEMENT OF USEABLE FILL MATERIAL WITH A 5 MINUTE TO 30 MINUTE PERCOLATION RATE, 12" MINIMUM FILL REQUIRED UNDER TRENCHES.



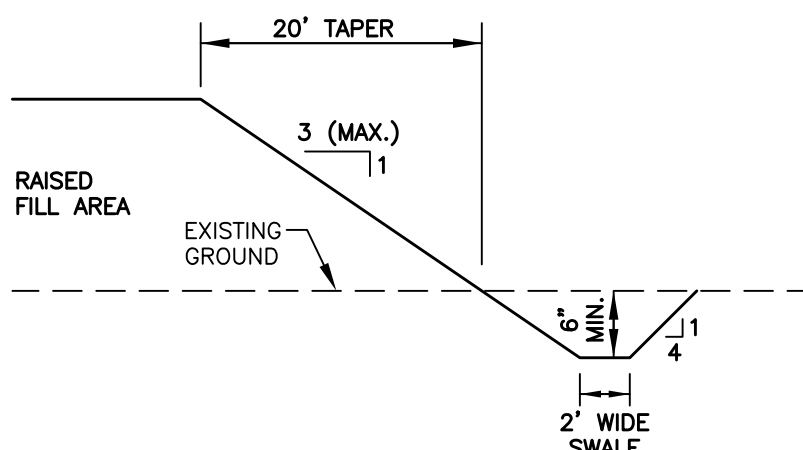
- NOTES:
- There is at least one foot of original soil with faster than 60 minutes percolation rate, above any impermeable soil layer or bedrock, but not more than two feet.
 - The maximum high groundwater level must be at least one foot below the original ground surface.
 - Slopes shall not exceed 15%.
 - Fill material with a percolation rate of between 5 - 30 min./ft. with a sand or sandy loam 5 - 10 min./ft. preferred.

FIGURE 28: RAISED SYSTEM - TOP VIEW

SEPTIC SYSTEM SCHEMATIC
NOT TO SCALE



DIVERSION SWALE
NOT TO SCALE



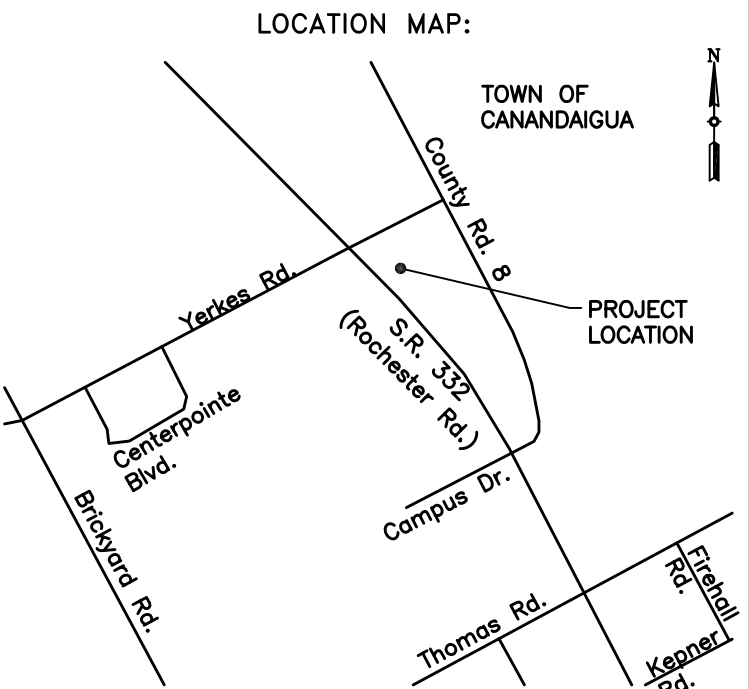
REVISIONS			
NO.	DESCRIPTION	DATE	BY

It is a violation of New York State Education Law Article 145 Section 7209 for any person, unless he or she is acting under the direction of a licensed professional 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 or her seal and the notation "altered by" followed by his or her signature and the date of such alteration, and a specific description of the alteration.

THORNTON
ENGINEERING LLP
30 Assembly Drive, Suite 106
Mendon, New York 14506
Consultant Engineers



ALL RIGHTS RESERVED: No part of this document may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means electronic, mechanical, photocopying, recording, or otherwise without the prior written authorization of Thornton Engineering LLP.
COPYRIGHT © Thornton Engineering LLP, 2018



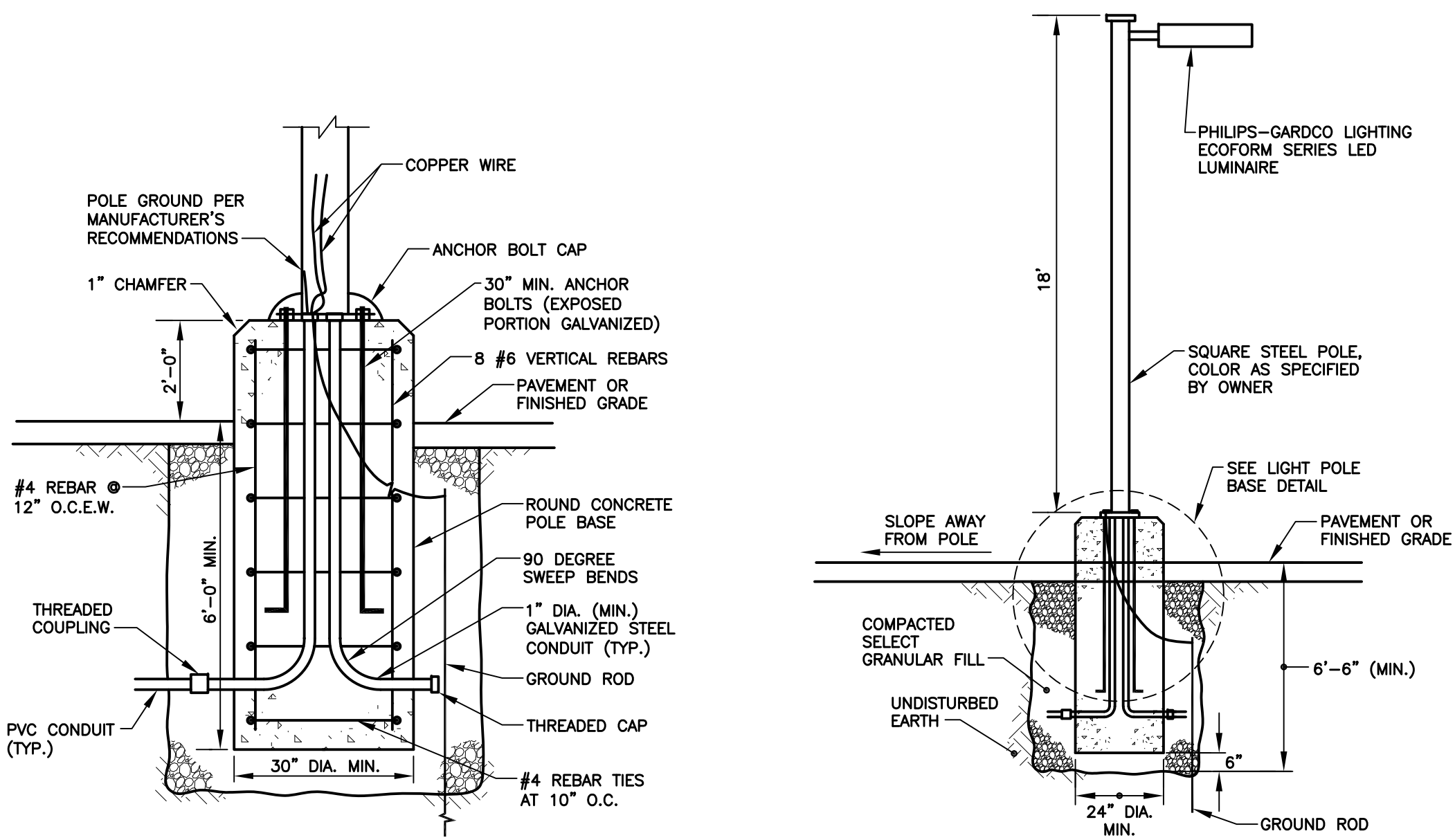
PROJECT NAME:

Frontenac Boat Sales
2121 State Route 332
Town of Canandaigua
Ontario County, NY

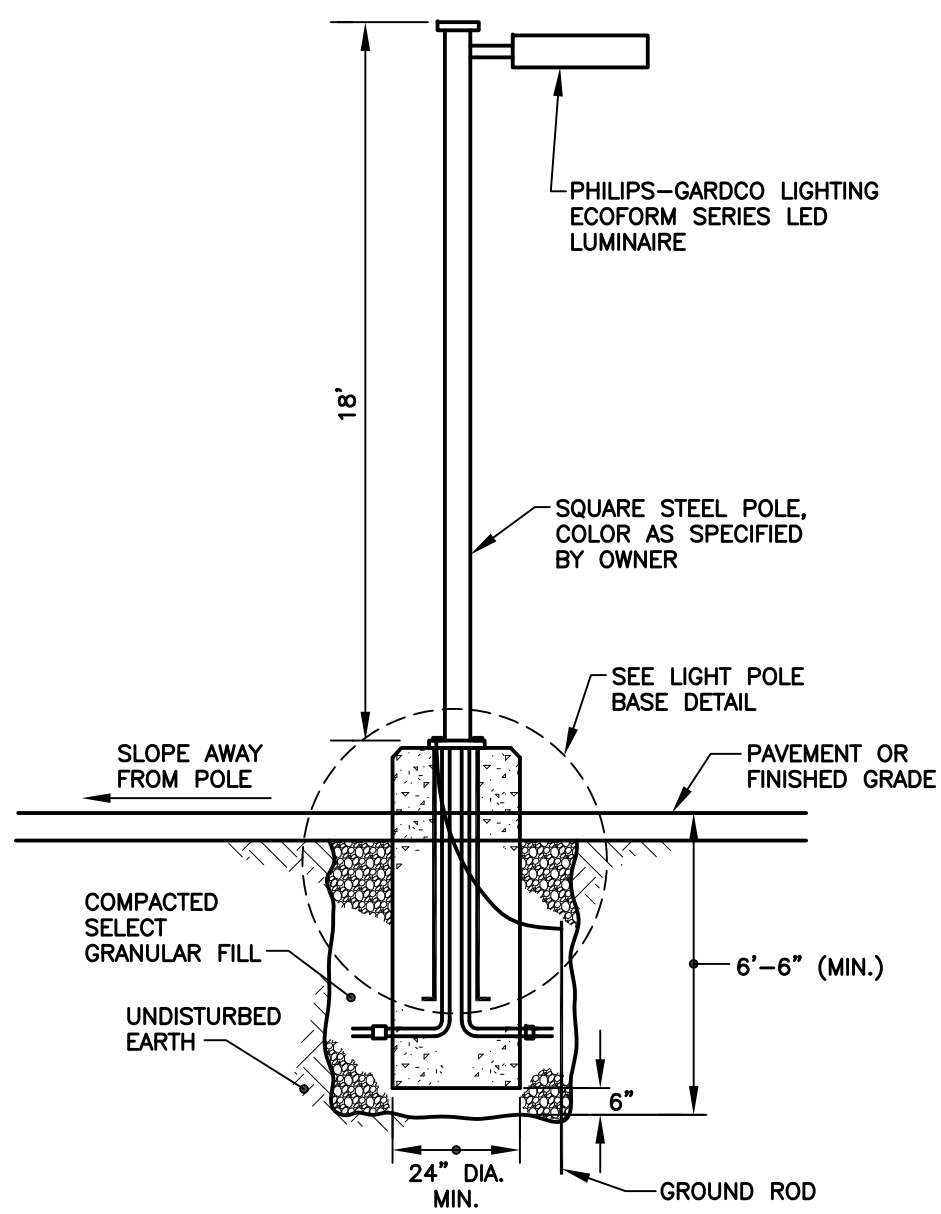
DRAWING TITLE:

Wastewater
Treatment System
Details

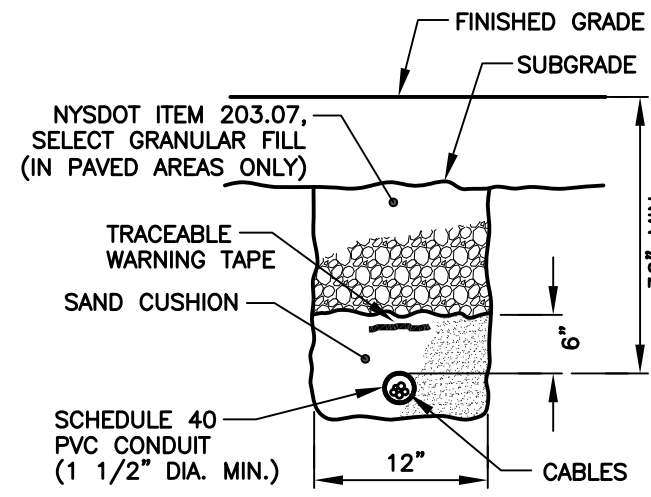
FILE NAME: DETAILS.DWG	DESIGNED BY: GFT
DRAWN BY: HKT	CHECKED BY: GFT
APPROVED BY: GFT	DATE: AUGUST 2018
SCALE: NOT TO SCALE	PROJECT NO.: 18-682
SHEET NO.: 3 OF 6	DRAWING NO.: D-1



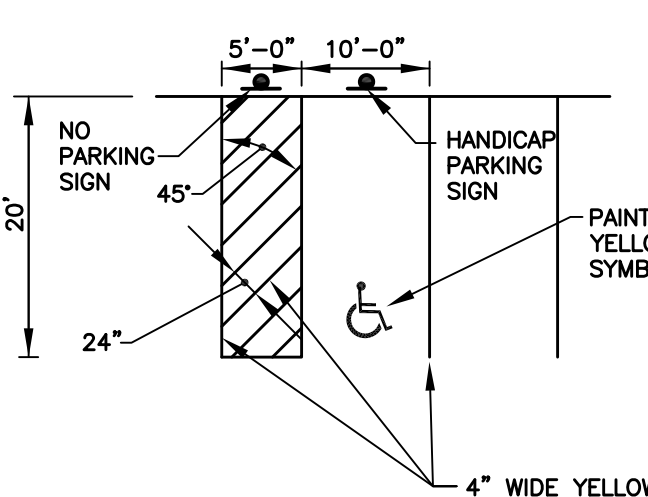
LIGHT POLE BASE
NOT TO SCALE



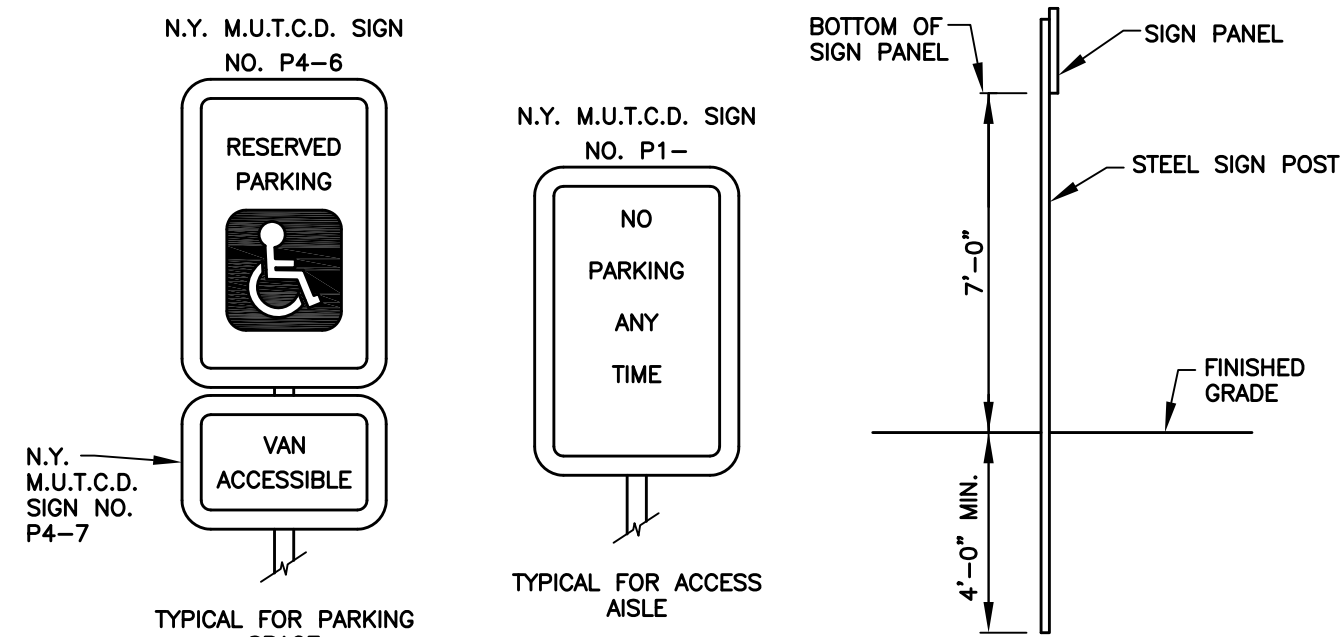
LIGHT POLE
NOT TO SCALE



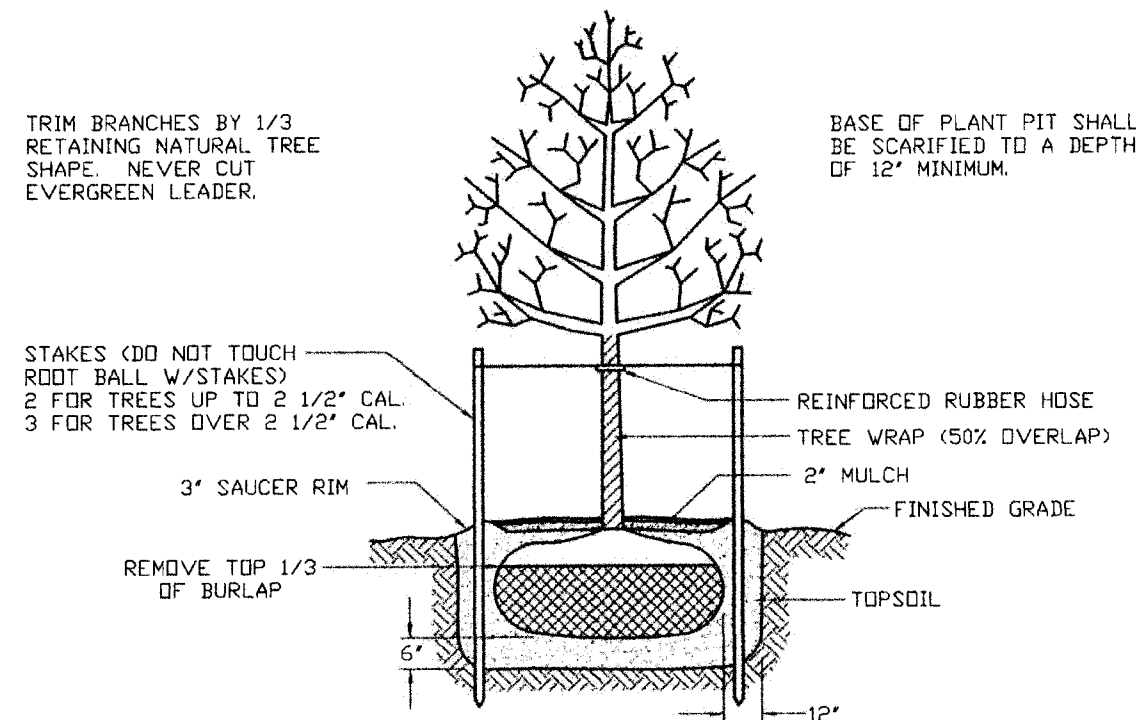
CONDUIT INSTALLATION AND TRENCH
NOT TO SCALE



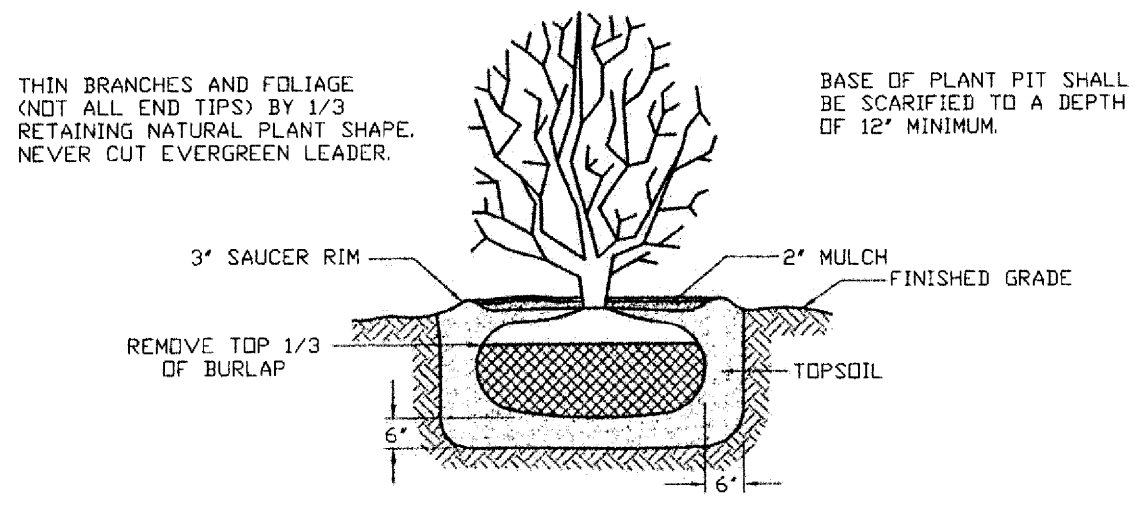
PAVEMENT MARKINGS
NOT TO SCALE



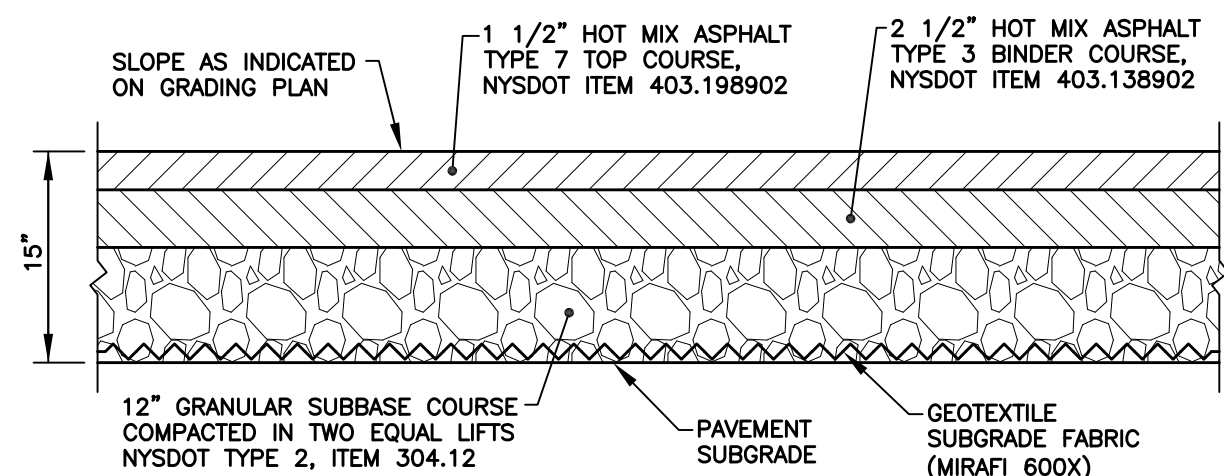
HANDICAP PARKING SIGNS
NOT TO SCALE



TYPICAL TREE PLANTING
NOT TO SCALE

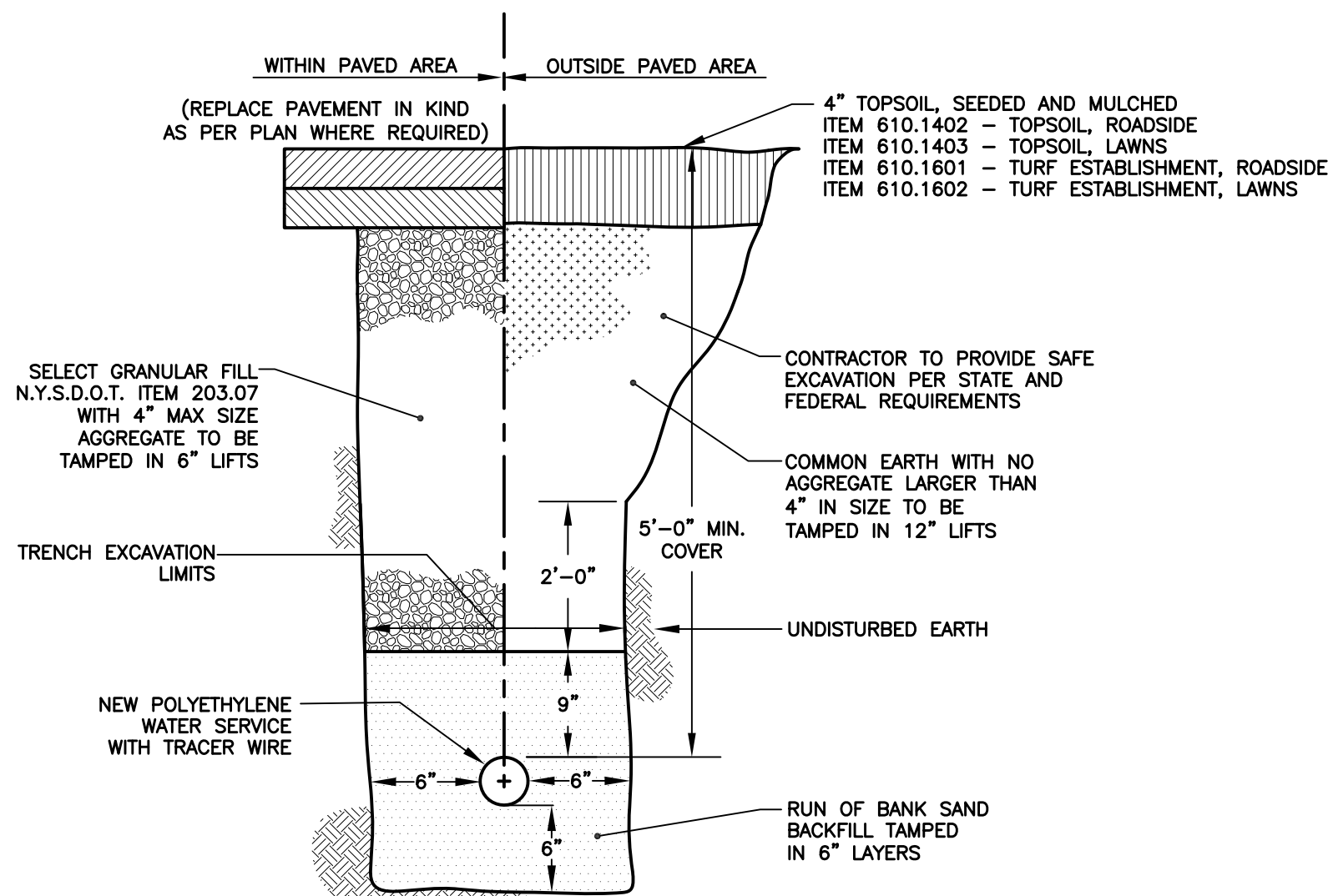


TYPICAL SHRUB PLANTING
NOT TO SCALE

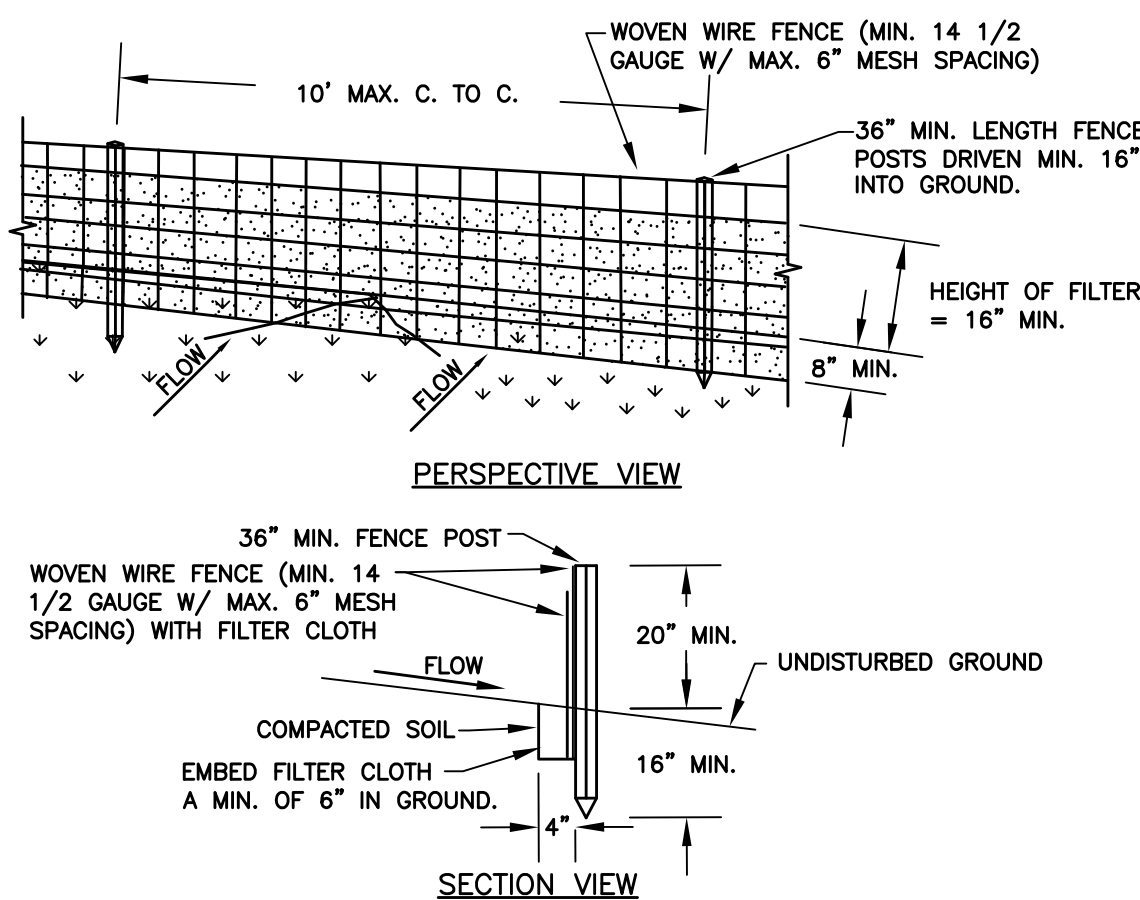


- NOTES**
- PAVEMENT SUBGRADE AREAS SHALL BE COMPACTED TO A DEPTH OF SIX INCHES AND TO A DENSITY OF NOT LESS THAN 95% OF THE MAXIMUM DENSITY AS DETERMINED BY ASTM D-1557.
 - EXISTING TOPSOIL (6\"/>

ASPHALT PAVEMENT
NOT TO SCALE

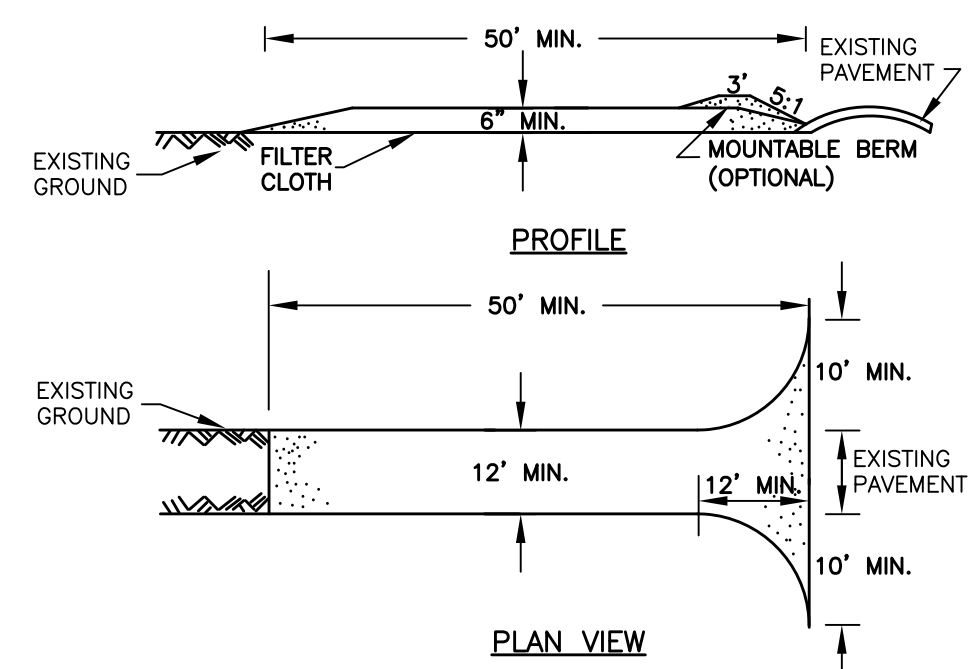


TYPICAL WATER SERVICE TRENCH
NOT TO SCALE



- CONSTRUCTION SPECIFICATIONS**
- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "I" OR "U" TYPE OR HARDWOOD.
 - FILTER CLOTH TO BE TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 12 1/2 GAUGE, 6" MAXIMUM MESH OPENING.
 - WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY 6" AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUIVALENT.
 - PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
 - MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

SILT FENCE
NOT TO SCALE



- CONSTRUCTION SPECIFICATIONS**
- STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
 - LENGTH - NOT LESS THAN 50' (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30' MINIMUM LENGTH WOULD APPLY).
 - THICKNESS - NOT LESS THAN 6".
 - WIDTH - 12" MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. 24" IF SINGLE ENTRANCE TO SITE.
 - FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
 - SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
 - 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 TRACTED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
 - WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
 - PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

STABILIZED CONSTRUCTION ENTRANCE
NOT TO SCALE

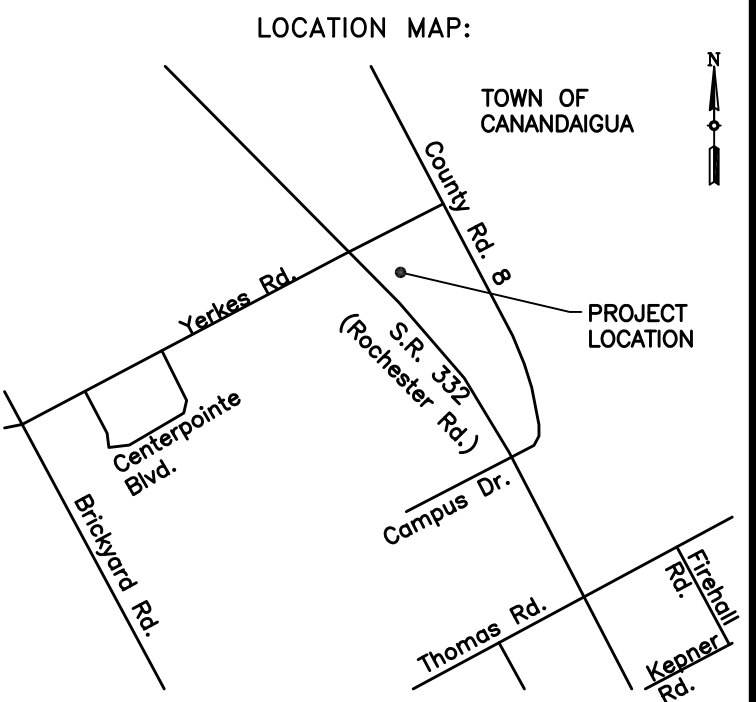
REVISIONS			
NO.	DESCRIPTION	DATE	BY

It is a violation of New York State Education Law Article 145 Section 7209 for any person, unless he or she is acting under the direction of a licensed professional 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 or her seal and the notation "altered by" followed by his or her signature and the date of such alteration, and a specific description of the alteration.

THORNTON
ENGINEERING LLP
30 Assembly Drive, Suite 106
Mendon, New York 14506
Consultant Engineers



ALL RIGHTS RESERVED: No part of this document may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means electronic, mechanical, photocopying, recording, or otherwise without the prior written authorization of Thornton Engineering LLP.
© Thornton Engineering LLP, 2018



PROJECT NAME:

Frontenac Boat Sales

2121 State Route 332
Town of Canandaigua
Ontario County, NY

DRAWING TITLE:

**Miscellaneous
Details**

FILE NAME: DETAILS.DWG	DESIGNED BY: GFT
DRAWN BY: HKT	CHECKED BY: GFT
APPROVED BY: GFT	DATE: AUGUST 2018
SCALE: NOT TO SCALE	PROJECT NO.: 18-682
SHEET NO.: 4 OF 6	DRAWING NO.: D-2

LEGEND

Existing	Proposed	
---	---	Property Line/R.O.W.
● I.P.		Iron Pin
▲ Conc. Mon.		Concrete Monument
---776---		Ground Contour
Hyd.		Hydrant
W		Watermain
WS		Water Service
FM		Force Main
U.P.		Utility Pole
OHW		Overhead Wire
UGE		Underground Electric
		Asphalt Pavement
L.P.		Light Pole
		Exterior Overhead Door
		Exterior Man Door
		Tree/Evergreen
		Tree/Evergreen to be Removed

APPLICANT INFORMATION

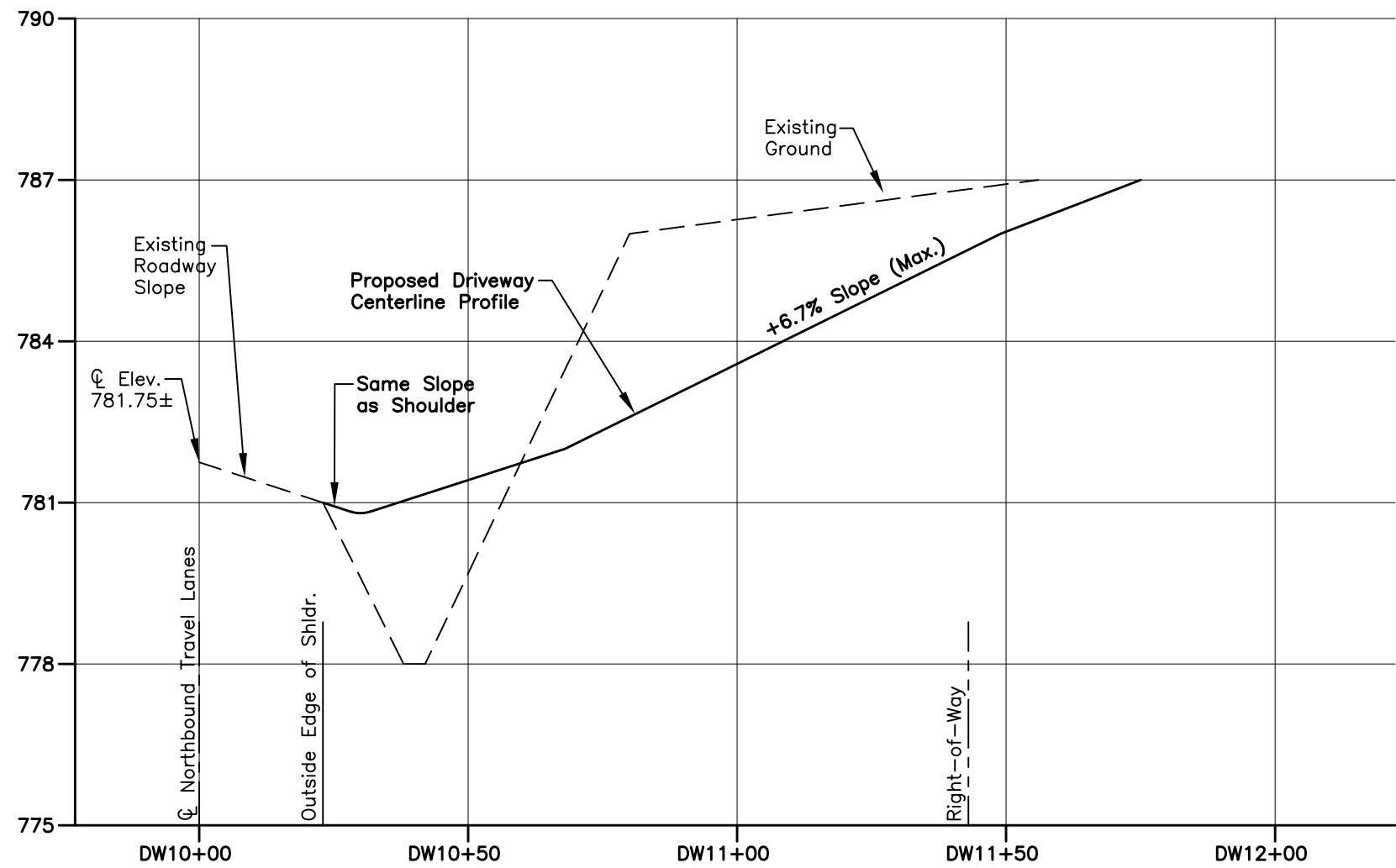
Kevin Degrow
Frontenac Holdings
21 Basin Street
Union Springs, NY 13160
636-236-7607

SURVEY AND MAP NOTES

1. This plan was prepared using a survey map entitled "Topographic and Boundary Survey of Lands of Michael Wagner" prepared by Freeland-Parrinello Land Surveyors dated January 10, 2014.

DESIGNER CONTACT STATEMENT

Thornton Engineering LLP is responsible for the design of this project. Glenn F. Thornton, P.E., is the designer and is familiar with NYSDOT standards and requirements and shall be contacted at 585-624-4810 to resolve issues or problems during construction. All revisions, including revisions necessary due to field conditions, shall be approved by the NYSDOT.



DRIVEWAY PROFILE

SCALE: 1" = 30' H.
1" = 3' V.

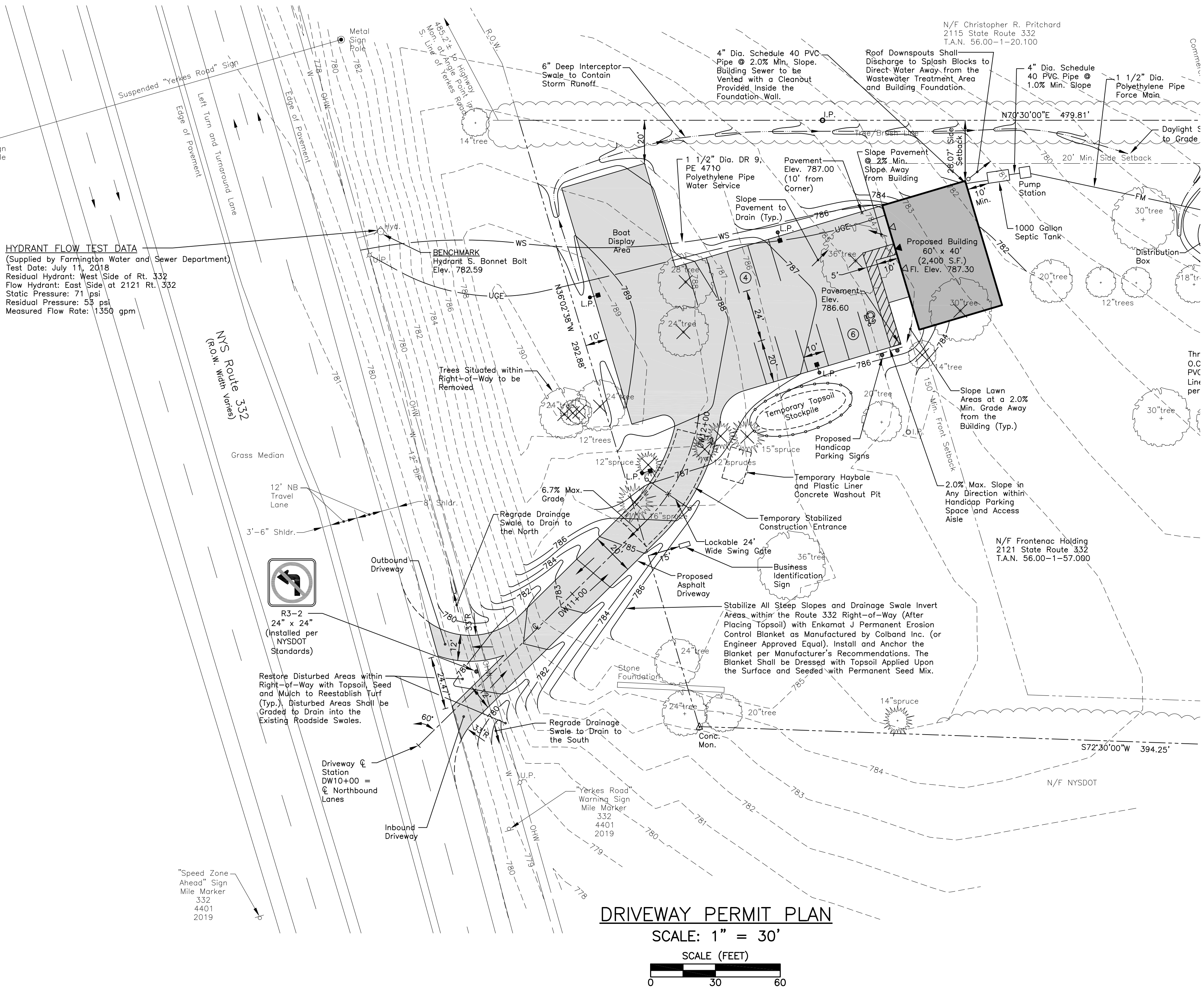
Standard General Plan Notes

1. ROAD TO BE KEPT CLEAN OF MUD AND DEBRIS AT ALL TIMES.
2. ROADSIDE DRAINAGE TO BE MAINTAINED AT ALL TIMES.
3. MATERIALS, EQUIPMENT AND VEHICLES ARE NOT TO BE STORED OR PARKED WITHIN THE NEW YORK STATE RIGHT-OF-WAY.
4. MAINTENANCE AND PROTECTION OF TRAFFIC MUST COMPLY WITH THE CURRENT NATIONAL MUTCD WITH NYS SUPPLEMENT, SECTION 619 OF THE CURRENT NYSDOT STANDARD SPECIFICATIONS, THESE PLANS AND AS ORDERED BY THE ASSISTANT RESIDENT ENGINEER. ON A NYSDOT CONSTRUCTION PROJECT, MAINTENANCE AND PROTECTION OF TRAFFIC MUST COMPLY WITH THESE PLANS AND BE IN ACCORDANCE WITH THE NYSDOT CONTRACT DOCUMENTS AS DEEMED NECESSARY BY THE NYS ENGINEER-IN-CHARGE.
5. NOTIFY THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION'S ASSISTANT RESIDENT ENGINEER AT THE APPROPRIATE NUMBER, AS NOTED BELOW, THREE (3) WORK DAYS PRIOR TO WORKING WITHIN THE STATE RIGHT-OF-WAY.

GENESSEE CO. - DAN STAHLEY (585) 343-0502	LIVINGSTON CO. - ADAM KISIAH (585) 346-3036
MONROE CO. - WEST OF GENESSEE RIVER MARK ELLSWORTH (585) 352-3471	MONROE CO. - EAST OF GENESSEE RIVER ALLISON MCNAMARA (585) 586-4514
ONTARIO CO. - GREG TROST (585) 396-4955	ORLEANS CO. - KEVIN KEISER (585) 589-6655
WAYNE CO. - JEFF JONES (315) 332-4000	WYOMING CO. - KEN BITTNER (585) 786-3310

THE PERMITTEE IS ADVISED THAT THE NYSDOT IS NOW REVIEWING ALL LANE CLOSURES ON THE PRIORITY NETWORK FOR IMPACT ON TRAFFIC OPERATIONS IN REAL-TIME. THE PRIORITY NETWORK CONSISTS OF INTERSTATES 390, 490 AND 590 AND STATE ROUTES 390, 590, 104 (FROM NY 390 TO WAYNE COUNTY), US 20, NY 63 (FROM STEUBEN COUNTY TO 190) AND NY 77 IN GENESSEE COUNTY. THE CLOSURE WILL BE EVALUATED IN THE LIGHT OF WHAT IS HAPPENING AT THAT TIME ON THE HIGHWAY. INCIDENTS, CONFLICTING WORK ZONES OR OTHER UNPLANNED EVENTS THAT RENDER THE HIGHWAY UNAVAILABLE FOR THE CLOSURE MAY RESULT IN A SHORT-TERM DISAPPROVAL OF THE CLOSURE UNTIL THE SITUATION HAS BEEN RESOLVED. EVALUATION PROCEDURES ARE AVAILABLE FOR REVIEW AT THE REGIONAL TRAFFIC OPERATIONS CENTER, 1155 SCOTTSVILLE ROAD, ROCHESTER, NY.

6. NOTIFY THE NYSDOT SIGNAL MAINTENANCE FACILITY AT (585) 753-7780 5 DAYS PRIOR TO WORKING WITHIN 350' OF A SIGNALIZED INTERSECTION. NOTIFY DIG SAFELY NEW YORK 2 WORK DAYS PRIOR TO DIGGING, DRILLING OR BLASTING AT 811 FOR A UTILITY STAKE-OUT.
7. ALL MATERIALS USED WITHIN THE STATE RIGHT-OF-WAY MUST COMPLY WITH THE CURRENT NEW YORK STATE DEPARTMENT OF TRANSPORTATION SPECIFICATIONS ALONG WITH ANY APPROPRIATE CURRENT NYS DEPARTMENT OF TRANSPORTATION'S STANDARD SHEETS.
8. QUALITY CONTROL OF ASPHALT CONCRETE SHALL MEET THE REQUIREMENTS OF SECTION 401 OF THE STANDARD SPECIFICATIONS. ALL ASPHALT PRODUCED AS PART OF SECTION 401 WILL BE PAID AT A FINAL QUANTITY ADJUSTMENT FACTOR OF 1.0. ASPHALT COURSE DEPTHS SHOWN ON THE PLANS ARE COMPACTED DEPTHS.
9. NO NIGHT WORK SHALL BE ALLOWED UNLESS APPROVED PRIOR TO START OF PROJECT. ADDITIONAL MAINTENANCE AND PROTECTION OF TRAFFIC MAY BE REQUIRED INCLUDING THE ADDITION OF REFLECTIVE MATERIALS AND LIGHTING.
10. HAZARDOUS WASTE NOTIFICATION- THE PERMITTEE ACCEPTS THE RIGHT-OF-WAY OF THE STATE HIGHWAY IN ITS "AS IS" CONDITION. THE DEPARTMENT OF TRANSPORTATION MAKES NO REPRESENTATION AS TO THE ABSENCE OF UNDERGROUND TANKS, STRUCTURES, FEATURES OR SIMILAR IMPEDIMENTS TO THE COMPLETION OF THE WORK PERMITTED HEREUNDER. SHOULD PERMITTEE FIND SOME PREVIOUSLY UNKNOWN UNDERGROUND IMPEDIMENTS TO ITS WORK, THE DEPARTMENT OF TRANSPORTATION SHALL HAVE NO OBLIGATION TO CURE, REMOVE, REMEDY OR OTHERWISE DEAL WITH SUCH PREVIOUSLY UNKNOWN UNDERGROUND IMPEDIMENTS. THE PERMITTEE IS REQUIRED TO REMOVE, MODIFY OR OTHERWISE DEAL WITH SUCH UNDERGROUND TANKS, STRUCTURES, FEATURES OR IMPEDIMENTS IN A MANNER WHICH MEETS ACCEPTABLE ENGINEERING PRACTICE AND IS APPROVED BY THE DEPARTMENT OF TRANSPORTATION.
11. ADA COMPLIANCE-- ALL WORK ON PEDESTRIAN FACILITIES SHALL BE COMPLIANT WITH THE AMERICANS WITH DISABILITIES ACT (ADA). 122015



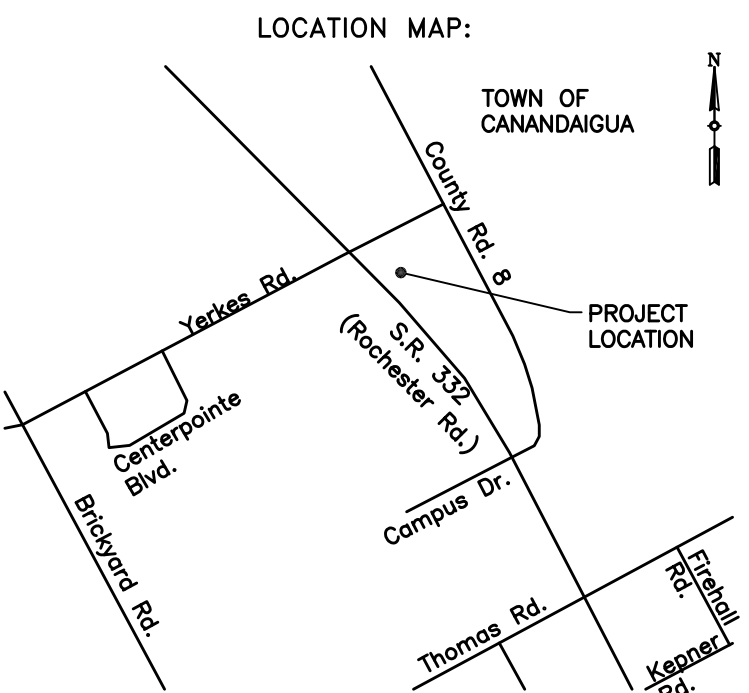
REVISIONS			
NO.	DESCRIPTION	DATE	BY

It is a violation of New York State Education Law Article 145 Section 7209 for any person, unless he or she is acting under the direction of a licensed professional 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 or her seal and the notation "altered by" followed by his or her signature and the date of such alteration, and a specific description of the alteration.

THORNTON
ENGINEERING LLP
30 Assembly Drive, Suite 106
Mendon, New York 14506
Consultant Engineers



ALL RIGHTS RESERVED: No part of this document may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means electronic, mechanical, photocopying, recording, or otherwise without the prior written authorization of Thornton Engineering LLP.
© Thornton Engineering LLP, 2018



PROJECT NAME:

Frontenac Boat Sales

2121 State Route 332
Town of Canandaigua
Ontario County, NY

DRAWING TITLE:

Driveway Permit
Plan and Profile

FILE NAME: DOTPLAN.DWG	DESIGNED BY: GFT
DRAWN BY: HKT	CHECKED BY: GFT
APPROVED BY: GFT	DATE: AUGUST 2018
SCALE: AS NOTED	PROJECT NO.: 18-682
SHEET NO.: 5 OF 6	DRAWING NO.: DOT-1

WORK_ZONE_TRAFFIC_CONTROL_NOTES

General Notes

- The typical details depicted on the standard sheets and in the MUTCD, reflect the minimum requirements.
- The Contractor must submit to the Engineer, in writing, proposed revisions to the traffic control plan for review and approval by the regional director or his/her designee five (5) work days prior to the planned implementation of such proposed revisions, except for changes that alter the scope of the traffic control plan. Such changes in scope must be submitted to the Engineer for approval by the regional director or his/her designee thirty (30) working days prior to implementation of such revisions.
- The Contractor shall provide the Engineer, in writing, with the names, addresses, and telephone numbers of staff who are authorized to secure labor, materials, and equipment for emergency repairs outside normal working hours. The Engineer will provide the submitted information to regional management, the New York State police, the resident Engineer, and the local police.

Activity Area

- The Contractor shall maintain a minimum 500' longitudinal distance between construction operations on alternate sides of the roadway, unless otherwise approved by the Engineer.
- When two or more areas are adjacent, overlap, or are in close proximity, the Contractor shall ensure there are no conflicting signs and that lane continuity is maintained throughout all work areas.

Signs

- The locations of the signs shown on the work zone traffic control plans and details may be adjusted based on sight distance and other considerations. The final locations of signs are subject to approval of the Engineer.
- Any existing signs, including overhead signs, which conflict with the temporary traffic control sign layout shall be covered, removed, stored or reset, as approved by the Engineer. All appropriate existing signs shall be restored to their original condition and/or location unless otherwise replaced in this contract.
- Signs at or near intersections shall be placed so that they do not obstruct a motorist's line of sight.
- All warning and regulatory signs shall be posted on both sides of multi-lane divided highways, multi-lane ramps, and one-way streets. In cases where lane restrictions reduce the travel lane to one lane, signs shall be posted on the right side of the active travel lane, unless otherwise authorized by the Engineer.
- Signs mounted on the median of divided highways where median barrier is in place may be mounted on the barrier with a saddle type bracket. Laying the sign down in a horizontal position is not permitted.
- The dimensions of work zone traffic control signs are described in the MUTCD. Any changes to the dimensions shall be approved by the regional director or by his/her designee.
- NYR9-12 may be used in place of NYR9-11.

Channelizing Devices

- Where possible all channelizing and guiding devices are to be placed so as to provide a minimum 2' lateral clearance to the traveled way.

Public Access

- Property owners whose driveways will be made inaccessible shall be notified by the Contractor at least 24 hours prior to restricting use of the driveway. For multiple access properties, at least one driveway shall be open at all times. Access shall be restored to all driveways as soon as possible.

- Suitable ramps shall be installed to maintain smooth transitions from residential and commercial driveways to and from the work area.

Lane Closures

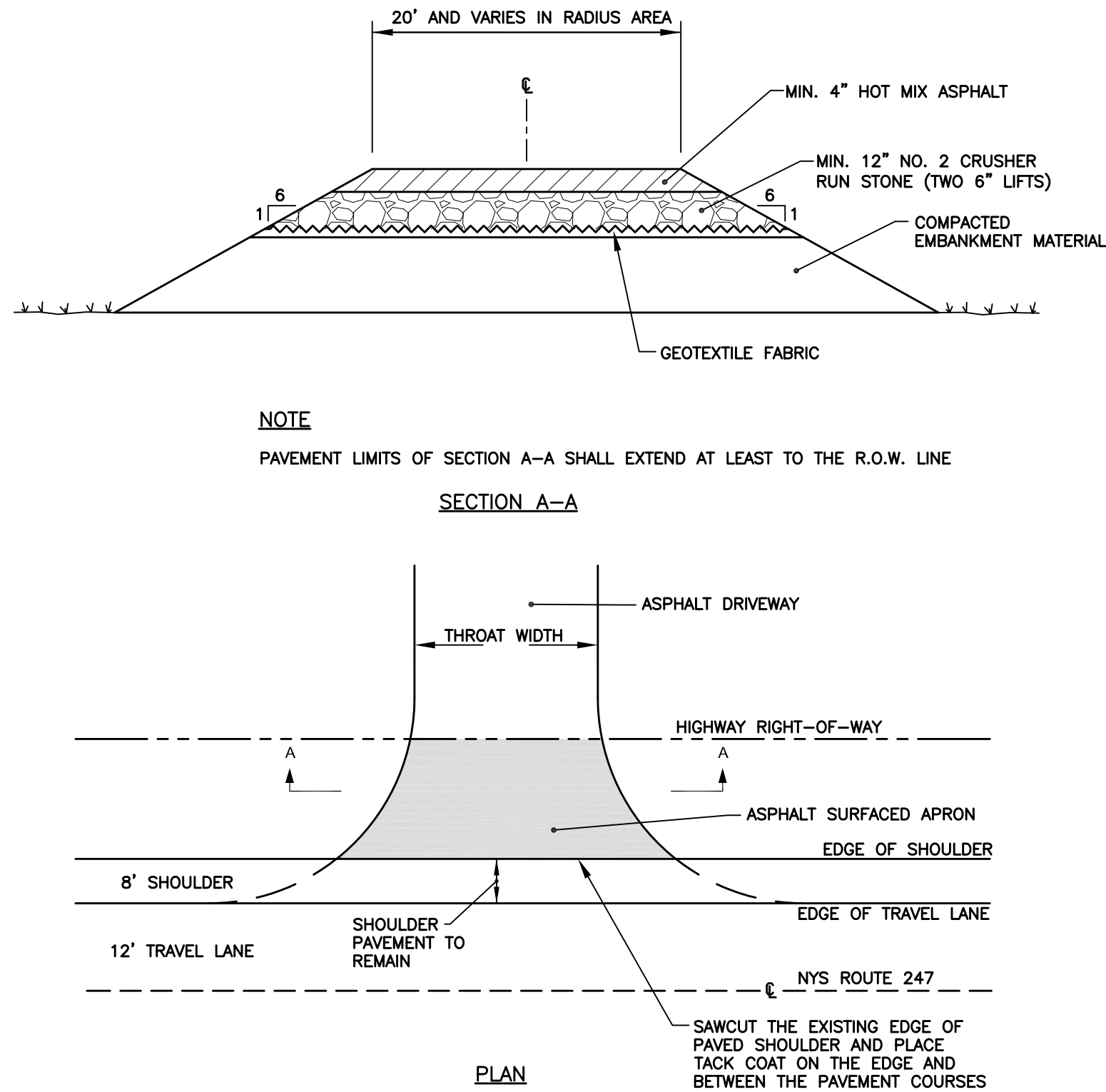
- The Contractor shall locate lane closures to provide optimum visibility, i.e. before curves and crests, to the extent conditions permit.
- The Engineer may require that all lanes be re-opened at any time if the route is needed for emergency purposes. This could include incidents at locations outside the contract limits.

Lane Widths

- Unless authorized by the Engineer, the minimum lane widths for work zone travel lanes shall be as follows: freeways and/or expressways is 11'. The minimum lane width for all other types of roadways is 10'.
- The Contractor shall provide a written notice to the Engineer, a minimum of 21 calendar days in advance of performing any work that results in the reduced width of an existing roadway, so that the Engineer may notify the regional permit engineer in a timely manner.

Barrier/Shadow Vehicles

- Barrier and shadow vehicles shall be required as per standard sheet titled "Work Zone Traffic Control Legends and Notes".
- No work activity, equipment, vehicles and/or materials shall be located between the barrier or shadow vehicle and the active work area (roll ahead distance).
- The Contractor may be required to provide a barrier vehicle in conjunction with police presence in the work zone, to be included in the unit bid price for basic work zone traffic control.



DRIVEWAY APRON
NOT TO SCALE

TABLE 6H-4 FORMULAS FOR DETERMINING TAPER LENGTHS	
SPEED LIMIT (SI) MPH	TAPER LENGTH (L) FT
40 MPH OR LESS	$L = WS^2/60$
45 MPH OR MORE	$L = WS$

STANDARD TAPER LENGTHS	
LATERAL SHIFT OF TRAFFIC FLOW PATN	TEMPORARY TRAFFIC CONTROL ZONE POSTED SPEED LIMIT
25 MPH	30 MPH
30 MPH	35 MPH
35 MPH	40 MPH
40 MPH	45 MPH
45 MPH	50 MPH
50 MPH	55 MPH
55 MPH	60 MPH
60 MPH	65 MPH
65 MPH	70 MPH

TABLE 6C-3 TAPER LENGTH FOR TEMPORARY TRAFFIC CONTROL ZONES	
TYPE OF TAPER	TAPER LENGTH (L)
MERGING TAPER	L
SHIFTING TAPER	L/2
SHOULDER TAPER	L/2
ONE-LANE, TWO-WAY TRAFFIC TAPER	100 FT. MAXIMUM
DOWNSTREAM TAPER	100 FT. PER LANE

WORK ZONE TRAFFIC CONTROL LEGEND	
SYMBOL	DESCRIPTION
[Symbol]	ARROW PANEL
[Symbol]	ARROW PANEL, CAUTION MODE
[Symbol]	ARROW PANEL, TRAILER OR SUPPORT
[Symbol]	CHANGEABLE MESSAGE SIGN (PMMS)
[Symbol]	CHANNELIZING DEVICE
[Symbol]	CRASH CUSHION/TEMPORARY IMPACT ATTENUATOR
[Symbol]	DIRECTION OF TEMPORARY TRAFFIC DETOUR
[Symbol]	DIRECTION OF TRAFFIC
[Symbol]	FLAGGER
[Symbol]	FLAG TREE
[Symbol]	LIMB/NATURE
[Symbol]	PAVEMENT MARKINGS THAT SHALL BE REMOVED FOR A LONG TERM PROJECT
[Symbol]	SIGN, TEMPORARY
[Symbol]	TEMPORARY BARRIER
[Symbol]	TEMPORARY BARRIER WITH WARNING LIGHTS
[Symbol]	TRAFFIC OR PEDESTRIAN SIGNAL
[Symbol]	TYPE III BARRICADE
[Symbol]	WARNING LIGHTS
[Symbol]	WORK SPACE
[Symbol]	WORK VEHICLE
[Symbol]	WORK VEHICLE WITH TRUCK MOUNTED ATTENUATOR

TABLE 619-4 FLARE RATES FOR POSITIVE BARRIER	
TYPE OF POSITIVE BARRIER	POSTED SPEED LIMIT
TEMPORARY CONCRETE BARRIER	35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150 155 160 165 170 175 180 185 190 195 200 205 210 215 220 225 230 235 240 245 250 255 260 265 270 275 280 285 290 295 300 305 310 315 320 325 330 335 340 345 350 355 360 365 370 375 380 385 390 395 400 405 410 415 420 425 430 435 440 445 450 455 460 465 470 475 480 485 490 495 500 505 510 515 520 525 530 535 540 545 550 555 560 565 570 575 580 585 590 595 600 605 610 615 620 625 630 635 640 645 650 655 660 665 670 675 680 685 690 695 700 705 710 715 720 725 730 735 740 745 750 755 760 765 770 775 780 785 790 795 800 805 810 815 820 825 830 835 840 845 850 855 860 865 870 875 880 885 890 895 900 905 910 915 920 925 930 935 940 945 950 955 960 965 970 975 980 985 990 995 1000 1005 1010 1015 1020 1025 1030 1035 1040 1045 1050 1055 1060 1065 1070 1075 1080 1085 1090 1095 1100 1105 1110 1115 1120 1125 1130 1135 1140 1145 1150 1155 1160 1165 1170 1175 1180 1185 1190 1195 1200 1205 1210 1215 1220 1225 1230 1235 1240 1245 1250 1255 1260 1265 1270 1275 1280 1285 1290 1295 1300 1305 1310 1315 1320 1325 1330 1335 1340 1345 1350 1355 1360 1365 1370 1375 1380 1385 1390 1395 1400 1405 1410 1415 1420 1425 1430 1435 1440 1445 1450 1455 1460 1465 1470 1475 1480 1485 1490 1495 1500 1505 1510 1515 1520 1525 1530 1535 1540 1545 1550 1555 1560 1565 1570 1575 1580 1585 1590 1595 1600 1605 1610 1615 1620 1625 1630 1635 1640 1645 1650 1655 1660 1665 1670 1675 1680 1685 1690 1695 1700 1705 1710 1715 1720 1725 1730 1735 1740 1745 1750 1755 1760 1765 1770 1775 1780 1785 1790 1795 1800 1805 1810 1815 1820 1825 1830 1835 1840 1845 1850 1855 1860 1865 1870 1875 1880 1885 1890 1895 1900 1905 1910 1915 1920 1925 1930 1935 1940 1945 1950 1955 1960 1965 1970 1975 1980 1985 1990 1995 2000 2005 2010 2015 2020 2025 2030 2035 2040 2045 2050 2055 2060 2065 2070 2075 2080 2085 2090 2095 2100 2105 2110 2115 2120 2125 2130 2135 2140 2145 2150 2155 2160 2165 2170 2175 2180 2185 2190 2195 2200 2205 2210 2215 2220 2225 2230 2235 2240 2245 2250 2255 2260 2265 2270 2275 2280 2285 2290 2295 2300 2305 2310 2315 2320 2325 2330 2335 2340 2345 2350 2355 2360 2365 2370 2375 2380 2385 2390 2395 2400 2405 2410 2415 2420 2425 2430 2435 2440 2445 2450 2455 2460 2465 2470 2475 2480 2485 2490 2495 2500 2505 2510 2515 2520 2525 2530 2535 2540 2545 2550 2555 2560 2565 2570 2575 2580 2585 2590 2595 2600 2605 2610 2615 2620 2625 2630 2635 2640 2645 2650 2655 2660 2665 2670 2675 2680 2685 2690 2695 2700 2705 2710 2715 2720 2725 2730 2735 2740 2745 2750 2755 2760 2765 2770 2775 2780 2785 2790 2795 2800 2805 2810 2815 2820 2825 2830 2835 2840 2845 2850 2855 2860 2865 2870 2875 2880 2885 2890 2895 2900 2905 2910 2915 2920 2925 2930 2935 2940 2945 2950 2955 2960 2965 2970 2975 2980 2985 2990 2995 3000 3005 3010 3015 3020 3025 3030 3035 3040 3045 3050 3055 3060 3065 3070 3075 3080 3085 3090 3095 3100 3105 3110 3115 3120 3125 3130 3135 3140 3145 3150 3155 3160 3165 3170 3175 3180 3185 3190 3195 3200 3205 3210 3215 3220 3225 3230 3235 3240 3245 3250 3255 3260 3265 3270 3275 3280 3285 3290 3295 3300 3305 3310 3315 3320 3325 3330 3335 3340 3345 3350 3355 3360 3365 3370 3375 3380 3385 3390 3395 3400 3405 3410 3415 3420 3425 3430 3435 3440 3445 3450 3455 3460 3465 3470 3475 3480 3485 3490 3495 3500 3505 3510 3515 3520 3525 3530 3535 3540 3545 3550 3555 3560 3565 3570 3575 3580 3585 3590 3595 3600 3605 3610 3615 3620 3625 3630 3635 3640 3645 3650 3655 3660 3665 3670 3675 3680 3685 3690 3695 3700 3705 3710 3715 3720 3725 3730 3735 3740 3745 3750 3755 3760 3765 3770 3775 3780 3785 3790 3795 3800 3805 3810 3815 3820 3825 3830 3835 3840 3845 3850 3855 3860 3865 3870 3875 3880 3885 3890 3895 3900 3905 3910 3915 3920 3925 3930 3935 3940 3945 3950 3955 3960 3965 3970 3975 3980 3985 3990 3995 4000 4005 4010 4015 4020 4025 4030 4035 4040 4045 4050 4055 4060 4065 4070 4075 4080 4085 4090 4095 4100 4105 4110 4115 4120 4125 4130 4135 4140 4145 4150 4155 4160 4165 4170 4175 4180 4185 4190 4195 4200 4205 4210 4215 4220 4225 4230 4235 4240 4245 4250 4255 4260 4265 4270 4275 4280 4285 4290 4295 4300 4305 4310 4315 4320 4325 4330 4335 4340 4345 4350 4355 4360 4365 4370 4375 4380 4385 4390 4395 4400 4405 4410 4415 4420 4425 4430 4435 4440 4445 4450 4455 4460 4465 4470 4475 4480 4485 4490 4495 4500 4505 4510 4515 4520 4525 4530 4535 4540 4545 4550 4555 4560 4565 4570 4575 4580 4585 4590 4595 4600 4605 4610 4615 4620 4625 4630 4635 4640 4645 4650 4655 4660 4665 4670 4675 4680 4685 4690 4695 4700 4705 4710 4715 4720 4725 4730 4735 4740 4745 4750 4755 4760 4765 4770 4775 4780 4785 4790 4795 4800 4805 4810 4815 4820 4825 4830 4835 4840 4845 4850 4855 4860 4865 4870 4875 4880 4885 4890 4895 4900 4905 4910 4915 4920 4925 4930 4935 4940 4945 4950 4955 4960 4965 4970 4975 4980 4985 4990 4995 5000 5005 5010 5015 5020 5025 5030 5035 5040 5045 5050 5055 5060 5065 5070 5075 5080 5085 5090 5095 5100 5105 5110 5115 5120 5125 5130 5135 5140 5145 5150 5155 5160 5165 5170 5175 5180 5185 5190 5195 5200 5205 5210 5215 5220 5225 5230 5235 5240 5245 5250 5255 5260 5265 5270 5275 5280 5285 5290 5295 5300 5305 5310 5315 5320 5325 5330 5335 5340 5345 5350 5355 5360 5365 5370 5375 5380 5385 5390 5395 5400 5405 5410 5415 5420 5425 5430 5435 5440 5445 5450 5455 5460 5465 5470 5475 5480 5485 5490 5495 5500 5505 5510 5515 5520 5525 5530 5535 5540 5545 5550 5555 5560 5565 5570 5575 5580 5585 5590 5595 5600 5605 5610 5615 5620 5625 5630 5635 5640 5645 5650 5655 5660 5665 5670 5675 5680 5685 5690 5695 5700 5705 5710 5715 5720 5725 5730 5735 5740 5745 5750 5755 5760 5765 5770 5775 5780 5785 5790 5795 5800 5805 5810 5815 5820 5825 5830 5835 5840 5845 5850 5855 5860 5865 5870 5875 5880 5885 5890 5895 5900 5905 5910 5915 5920 5925 5930 5935 5940 5945 5950 5955 5960 5965 5970 5975 5980 5985 5990 5995 6000 6005 6010 6015 6020 6025 6030 6035 6040 6045 6050 6055 6060 6065 6070 6075 6080 6085 6090 6095 6100 6105 6110 6115 6120 6125 6130 6135 6140 6145 6150 6155 6160 6165 6170 6175 6180 6185 6190 6195 6200 6205 6210 6215 6220 6225 6230 6235 6240 6245 6250 6255 6260 6265 6270 6275 6280 6285 6290 6295 6300 6305 6310 6315 6320 6325 6330 6335 6340 6345 6350 6355 6360 6365 6370 6375 6380 6385 6390 6395 6400 6405 6410 6415 6420 6425 6430 6435 6440 6445 6450 6455 6460 6465 6470 6475 6480 6485 6490 6495 6500 6505 6510 6515 6520 6525 6530 6535 6540 6545 6550 6555 6560 6565 6570 6575 6580 6585 6590 6595 6600 6605 6610 6615 6620 6625 6630 6635 6640 6645 6650 6655 6660 6665 6670 6675 6680 6685 6690 6695 6700 6705 6710 6715 6720 6725 6730 6735 6740 6745 6750 6755 6760 6765 6770 6775 6780 6785 6790 6795 6800 6805 6810 6815 6820 6825 6830 6835 6840 6845 6850 6855 6860 6865 6870 6875 6880 6885 6890 6895 6900 6905 6910 6915 6920 6925 6930 6935 6940 6945 6950 6955 6960 6965 6970 6975 6980 6985 6990 6995 7000 7005 7010 7015 7020 7025 7030 7035 7040 7045 7050 7055 7060 7065 7070 7075 7080 7085 7090 7095 7100 7105 7110 7115 7120 7125 7130 7135 7140 7145 7150 7155 7160 7165 7170 7175 7180 7185 7190 7195 7200 7205 7210 7215 7220 7225 7230 7235 7240 7245 7250 7255 7260 7265 7270 7275 7280 7285 7290 7295 7300 7305 7310 7315 7320 7325 7330 7335 7340 7345 7350 7355 7360 7365 7370 7375 7380 7385 7390 7395 7400 7405 7410 7415 7420 7425 7430 7435 7440 7445 7450 7455 7460 7465 7470 7475 7480 7485 7490 7495 7500 7505 7510 7515 7520 7525 7530 7535 7540 7545 7550 7555 7560 7565 7570 7575 7580 7585 7590 7595 7600 7605 7610 7615 7620 7625 7630 7635 7640 7645 7650 7655 7660 7665 7670 7675 7680 7685 7690 7695 7700 7705 7710 7715 7720 7725 7730 7735 7740 7745 7750 7755 7760 7765 7770 7775 7780 7785 7790 7795 7800 7805 7810 7815 7820 7825 7830 7835 7840 7845 7850 7855 7860 7865 7870 7875 7880 7885 7890 7895 7900 7905 7910 7915 7920 7925 7930 7935 7940 7945 7950 7955 7960 7965 7970 7975 7980 7985 7990 7995 8000 8005 8010 8015 8020 8025 8030 8035 8040 8045 8050 8055 8060 8065 8070 8075 8080 8085 8090 8095 8100 8105 8110 8115 8120 8125 8130 8135 8140 8145 8150 8155 8160 8165 8170 8175 8180 8185 8190 8195 8200 8205 8210 8215 8220 8225 8230 8235 8240 8245 8250 8255 8260 8265 8270 8275 8280 8285 8290 8295 8300 8305 8310 8315 8320 8325 8330 8335 8340 8345 8350 8355 8360 8365 8370 8375 8380 8385 8390 8395 8400 8405 8410 8415 8420 8425 8430 8435 8440 8445 8450 8455 8460 8465 8470 8475 8480 8485 8490 8495 8500 8505 8510 8515 8520 8525 8530 8535 8540 8545 8550 8555 8560 8565 8570 8575 8580 8585 8590 8595 8600 8605 8610 8615 8620 8625 8630 8635 8640 8645 8650 8655 8660 8665 8670 8675 8680 8685 8690 8695 8700 8705 8710 8715 8720 8725 8730 8735 8740 8745 8750 8755 8760 8765 8770 8775 8780 8785 8790 8795 8800 8805 8810 8815 8820 8825 8830 8835 8840 8845 8850 8855 8860 8865 8870 8875 8880 8885 8890 8895 8900 8905 8910 8915 8920 8925 8930 8935 8940 8945 8950 8955 8960 8965 8970 8975 8980 8985 8990 8995 9000 9005 9010 9015 9020 9025 9030 9035 9040 9045 9050 9055 9060 9065 9070 9075 9080 9085 9090 9095 9100 9105 9110 9115 9120 9125 9130 9135 9140 9145 9150 9155 9160 9165 9170 9175 9180 9185 9190 9195 9200 9205 9210 9215 9220 9225 9230 9235 9240 9245 9250 9255 9260 9265 9270 9275 9280 9285 9290 9295 9300 9305 9310 9315 9320 9325 9330 9335 9340 9345 9350 9355 9360 9365 9370 9375 9380 9385 9390 9395 9400 9405 9410 9415 9420 9425 9430 9435 9440 9445 9450 9455 9460 9465 9470 9475 9480 9485 9490 9495 9500 9505 9510 9515 9520 9525 9530 9535 9540 9545 9550 9555 9560 9565 9570 9575 9580 9585 9590 9595 9600 9605 9610 96