



PLANNING BOARD MEETING

Lansing Town Hall Board Room
Monday, January 23, 2023
6:30 PM

AGENDA

SUBJECT TO CHANGE

Meeting is open to the public and streamed live on YouTube.

VIEW THE MEETING LIVE - TOWN OF LANSING YOUTUBE CHANNEL

To find our YouTube Channel - Go to www.lansingtown.com, click on the "YouTube" Icon (red square) located on the bottom left corner of our Home Page.

1. **Call Meeting to Order**
2. **Roll Call**
3. **Action Items**

- a. **Project: Site Plan – Dandy Mini Mart – Convenience (Mini) Mart**
Applicant: Brian Grose, Fagan Engineers, representing Dandy Mini Mart
Location: 7 Ridge Rd, Tax Parcel No's 31.-6-9.1, 31.-6-10, 31.-6-11, 31.-6-13, & 31.-6-14
Project Description: The applicant proposes the consolidation of several lots to form an approximately 4.7 acre parcel. The site plan proposal consists of a 6,100 sf convenient store with a 128'x24' gasoline fueling island, a 48'x22' diesel fuel island, fuel tank storage, and a drive through window. 36 vehicle parking spaces (including 4 tractor trailer parking stalls and up to 4 EV parking stalls) are proposed. The project is located in the B1 – Commercial Mixed Use Zoning District.
SEQR: This is a Type I Action, under 6 NYCRR 617.4 (b)(6)(i) and 617.4 (b)(9) for the purposes of conducting a coordinated environmental review pursuant to the State Environmental Quality Review Act ("SEQRA")
Anticipated Action: SEQR Review

4. **Adjourn Meeting**

In accordance with the Americans with Disabilities Act, persons who need accommodation to attend or participate in this meeting should contact the Town Clerk's Office at 607-533-4142. Request should be made 72 hours prior to the meeting.



Dandy Pizza Cafe Deli

Convenience Store

Signage Proposal

7 Ridge Road, Lansing NY, 14882

TAX MAP PARCELS 31-6-9, 10, 11, 13 and 14



South Elevation

1) Wall Mount - Main ID - Dandy Logo - Illuminated

7'w X 7'h Circle = 38.5 sq/ft

2) Wall Mount - PizzaCafeDeli - Illuminated

9'6" w X 11" h = 10 sq/ft



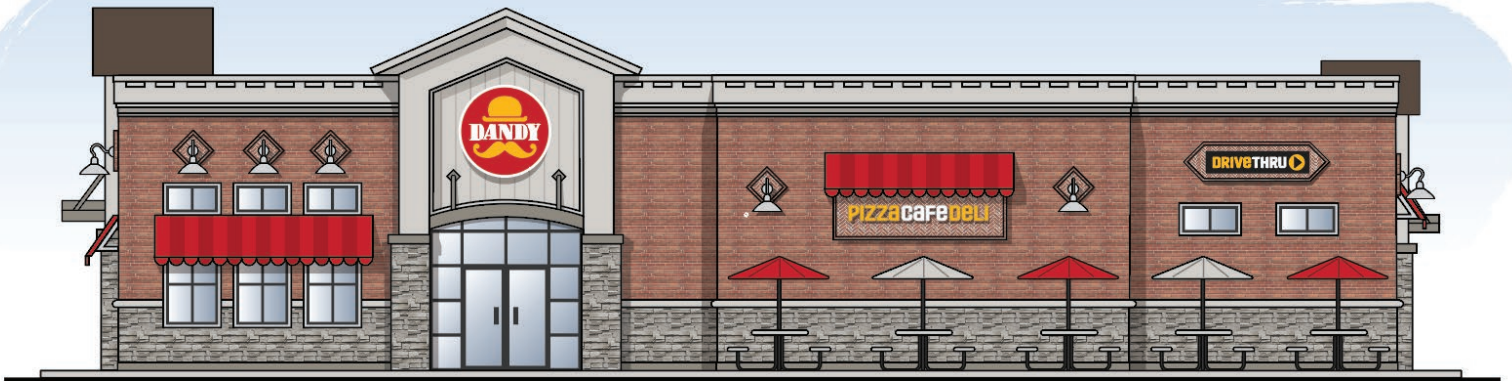
North Elevation

3) Wall Mount - Main ID - Dandy Logo - Illuminated

7'w X 7'h Circle = 38.5 sq/ft

4) Wall Mount - PizzaCafeDeli - Illuminated

9'6" w X 11" h = 10 sq/ft

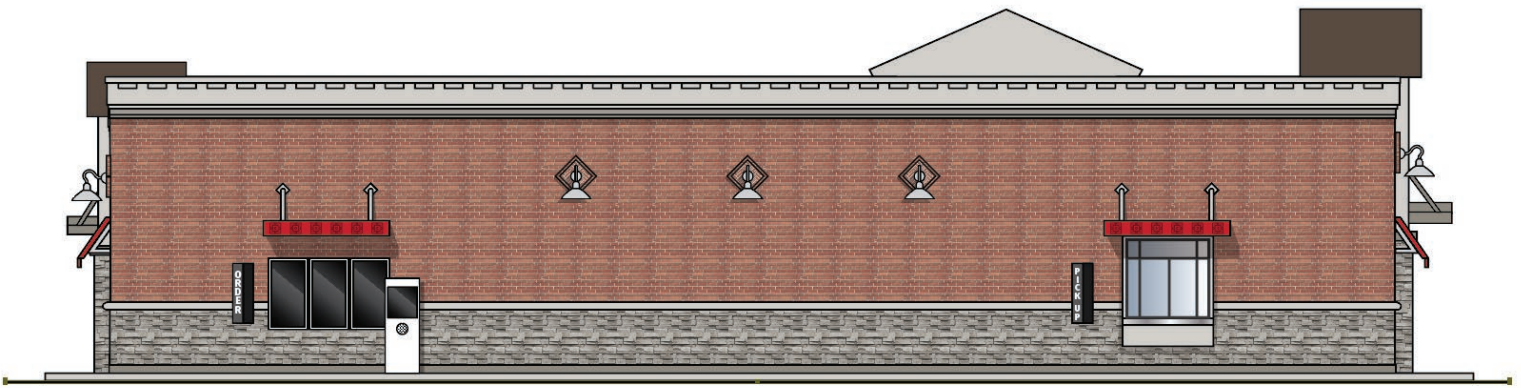


East Elevation

- 5) **Wall Mount - Main ID - Dandy Logo - Illuminated**
7'w X 7'h Circle= 38.5 sq/ft

- 6) **Wall Mount - PizzaCafeDeli - Illuminated**
9'6" w X 11" h = 10 sq/ft

- 7) **Wall Mount - Informational - Drive Thru - Illuminated**
7'w x 1'6" h = 10.5 sq/ft



West Elevation

8) Wall Mount - Informational - Order - Non Illuminated

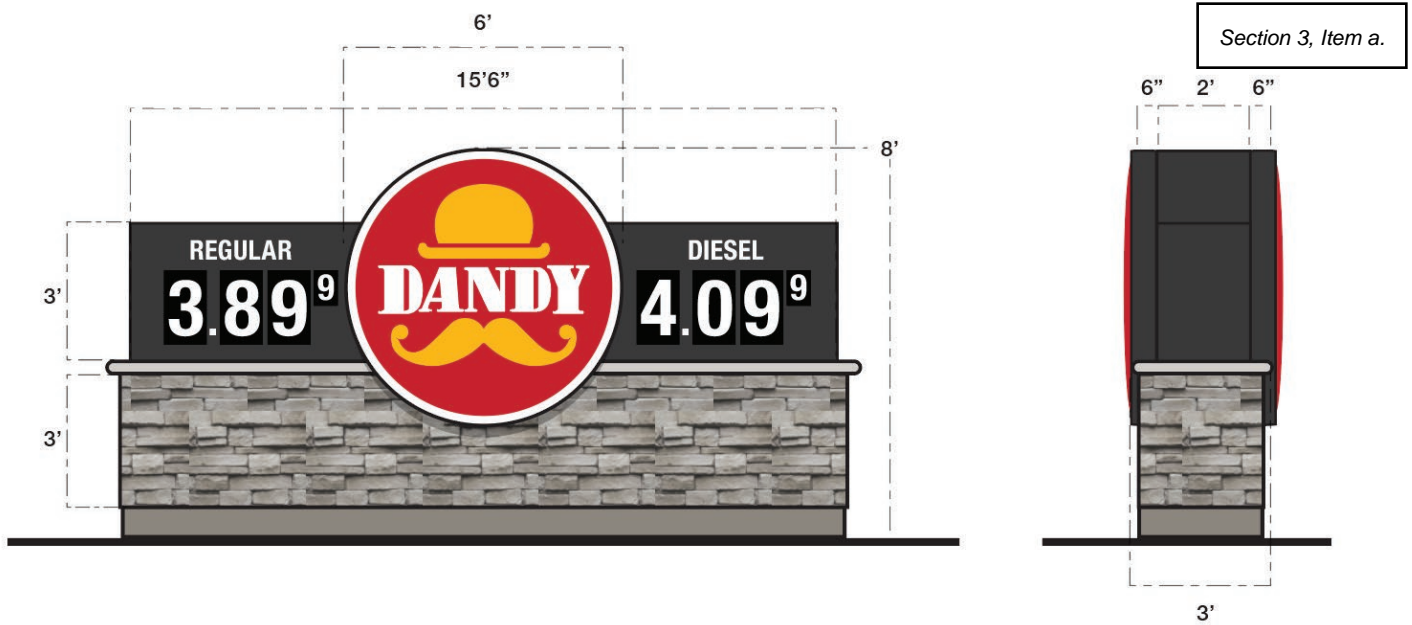
4' x 1'h = 4 sq/ft

9) Wall Mount - Informational - Pick Up - Non Illuminated

4'w X 1'h = 4 sq/ft

10) Wall Mount - Digital Drive Thru Menu - Illuminated

8'w x 4'h = 32 sq/ft



Main Entrances

11) Free Standing Monument - Illuminated - Double Sided

a) Dandy Logo: $6'w \times 6'h = 28.25 \text{ sq/ft}$

b) Pricer: $(15'6'' - 6') \times 3' = 28.5$



Fuel Dispensers _____

12) Fuel Dispenser - Double Sided

a) Top: Dandy text 20”w x 5”h = 1 sq/ft

b) Bottom: Dandy Logo 20”w x 17”h = 2.5 sq/ft



Total Aggregate: _____

<u>Sign:</u>	<u>Square Foot:</u>
1) Wall Mount - Main ID - Dandy	38.5
2) Wall Mount - PizzaCafeDeli	10
3) Wall Mount - Main ID - Dandy	38.5
4) Wall Mount - PizzaCafeDeli	10
5) Wall Mount - Main ID - Dandy	38.5
6) Wall Mount - PizzaCafeDeli	10
7) Wall Mount - Drive Thru	10.5
8) Wall Mount - Order	4
9) Wall Mount - Pick Up	4
10) Wall Mount - Drive Thru Menu Freestanding	32
11) Monument (qty 2 - 56.75 ea.) Fuel	113.5
12) Dispensers (qty 9 - 3.5ea)	31.5

Total Square footage of site signage: 341

Full Environmental Assessment Form
Part 2 - Identification of Potential Project Impacts

Agency Use Only [If applicable]	
Project :	Dandy Min
Date :	Section 3, Item a.

Part 2 is to be completed by the lead agency. Part 2 is designed to help the lead agency inventory all potential resources that could be affected by a proposed project or action. We recognize that the lead agency's reviewer(s) will not necessarily be environmental professionals. So, the questions are designed to walk a reviewer through the assessment process by providing a series of questions that can be answered using the information found in Part 1. To further assist the lead agency in completing Part 2, the form identifies the most relevant questions in Part 1 that will provide the information needed to answer the Part 2 question. When Part 2 is completed, the lead agency will have identified the relevant environmental areas that may be impacted by the proposed activity.

If the lead agency is a state agency **and** the action is in any Coastal Area, complete the Coastal Assessment Form before proceeding with this assessment.

Tips for completing Part 2:

- Review all of the information provided in Part 1.
- Review any application, maps, supporting materials and the Full EAF Workbook.
- Answer each of the 18 questions in Part 2.
- If you answer “**Yes**” to a numbered question, please complete all the questions that follow in that section.
- If you answer “**No**” to a numbered question, move on to the next numbered question.
- Check appropriate column to indicate the anticipated size of the impact.
- Proposed projects that would exceed a numeric threshold contained in a question should result in the reviewing agency checking the box “Moderate to large impact may occur.”
- The reviewer is not expected to be an expert in environmental analysis.
- If you are not sure or undecided about the size of an impact, it may help to review the sub-questions for the general question and consult the workbook.
- When answering a question consider all components of the proposed activity, that is, the “whole action”.
- Consider the possibility for long-term and cumulative impacts as well as direct impacts.
- Answer the question in a reasonable manner considering the scale and context of the project.

1. Impact on Land Proposed action may involve construction on, or physical alteration of, the land surface of the proposed site. (See Part 1. D.1) <i>If “Yes”, answer questions a - j. If “No”, move on to Section 2.</i>			
		<input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may involve construction on land where depth to water table is less than 3 feet.	E2d	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may involve construction on slopes of 15% or greater.	E2f	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may involve construction on land where bedrock is exposed, or generally within 5 feet of existing ground surface.	E2a	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. The proposed action may involve the excavation and removal of more than 1,000 tons of natural material.	D2a	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may involve construction that continues for more than one year or in multiple phases.	D1e	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f. The proposed action may result in increased erosion, whether from physical disturbance or vegetation removal (including from treatment by herbicides).	D2e, D2q	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g. The proposed action is, or may be, located within a Coastal Erosion hazard area.	B1i	<input checked="" type="checkbox"/>	<input type="checkbox"/>
h. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>

2. Impact on Geological Features

The proposed action may result in the modification or destruction of, or inhibit access to, any unique or unusual land forms on the site (e.g., cliffs, dunes, minerals, fossils, caves). (See Part 1. E.2.g)

NO

YES

If "Yes", answer questions a - c. If "No", move on to Section 3.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. Identify the specific land form(s) attached: _____ _____	E2g	<input type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may affect or is adjacent to a geological feature listed as a registered National Natural Landmark. Specific feature: _____	E3c	<input type="checkbox"/>	<input type="checkbox"/>
c. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>

3. Impacts on Surface Water

The proposed action may affect one or more wetlands or other surface water bodies (e.g., streams, rivers, ponds or lakes). (See Part 1. D.2, E.2.h)

NO

YES

If "Yes", answer questions a - l. If "No", move on to Section 4.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may create a new water body.	D2b, D1h	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may result in an increase or decrease of over 10% or more than a 10 acre increase or decrease in the surface area of any body of water.	D2b	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may involve dredging more than 100 cubic yards of material from a wetland or water body.	D2a	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. The proposed action may involve construction within or adjoining a freshwater or tidal wetland, or in the bed or banks of any other water body.	E2h	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may create turbidity in a waterbody, either from upland erosion, runoff or by disturbing bottom sediments.	D2a, D2h	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f. The proposed action may include construction of one or more intake(s) for withdrawal of water from surface water.	D2c	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g. The proposed action may include construction of one or more outfall(s) for discharge of wastewater to surface water(s).	D2d	<input type="checkbox"/>	<input type="checkbox"/>
h. The proposed action may cause soil erosion, or otherwise create a source of stormwater discharge that may lead to siltation or other degradation of receiving water bodies.	D2e	<input checked="" type="checkbox"/>	<input type="checkbox"/>
i. The proposed action may affect the water quality of any water bodies within or downstream of the site of the proposed action.	E2h	<input checked="" type="checkbox"/>	<input type="checkbox"/>
j. The proposed action may involve the application of pesticides or herbicides in or around any water body.	D2q, E2h	<input checked="" type="checkbox"/>	<input type="checkbox"/>
k. The proposed action may require the construction of new, or expansion of existing, wastewater treatment facilities.	D1a, D2d	<input checked="" type="checkbox"/>	<input type="checkbox"/>

I. Other impacts: _____ _____		<input type="checkbox"/>	Section 3, Item a.
----------------------------------	--	--------------------------	--------------------

4. Impact on groundwater

The proposed action may result in new or additional use of ground water, or may have the potential to introduce contaminants to ground water or an aquifer. NO YES
 (See Part 1. D.2.a, D.2.c, D.2.d, D.2.p, D.2.q, D.2.t)
If "Yes", answer questions a - h. If "No", move on to Section 5.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may require new water supply wells, or create additional demand on supplies from existing water supply wells.	D2c	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Water supply demand from the proposed action may exceed safe and sustainable withdrawal capacity rate of the local supply or aquifer. Cite Source: _____	D2c	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may allow or result in residential uses in areas without water and sewer services.	D1a, D2c	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. The proposed action may include or require wastewater discharged to groundwater.	D2d, E2l	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may result in the construction of water supply wells in locations where groundwater is, or is suspected to be, contaminated.	D2c, E1f, E1g, E1h	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f. The proposed action may require the bulk storage of petroleum or chemical products over ground water or an aquifer.	D2p, E2l	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g. The proposed action may involve the commercial application of pesticides within 100 feet of potable drinking water or irrigation sources.	E2h, D2q, E2l, D2c	<input checked="" type="checkbox"/>	<input type="checkbox"/>
h. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>

5. Impact on Flooding

The proposed action may result in development on lands subject to flooding. NO YES
 (See Part 1. E.2)
If "Yes", answer questions a - g. If "No", move on to Section 6.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may result in development in a designated floodway.	E2i	<input type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may result in development within a 100 year floodplain.	E2j	<input type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may result in development within a 500 year floodplain.	E2k	<input type="checkbox"/>	<input type="checkbox"/>
d. The proposed action may result in, or require, modification of existing drainage patterns.	D2b, D2e	<input type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may change flood water flows that contribute to flooding.	D2b, E2i, E2j, E2k	<input type="checkbox"/>	<input type="checkbox"/>
f. If there is a dam located on the site of the proposed action, is the dam in need of repair, or upgrade?	E1e	<input type="checkbox"/>	<input type="checkbox"/>

g. Other impacts: _____ _____		<input type="checkbox"/>	Section 3, Item a.
----------------------------------	--	--------------------------	--------------------

6. Impacts on Air			
The proposed action may include a state regulated air emission source. (See Part 1. D.2.f., D.2.h, D.2.g) <i>If "Yes", answer questions a - f. If "No", move on to Section 7.</i>		<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. If the proposed action requires federal or state air emission permits, the action may also emit one or more greenhouse gases at or above the following levels:			
i. More than 1000 tons/year of carbon dioxide (CO ₂)	D2g	<input type="checkbox"/>	<input type="checkbox"/>
ii. More than 3.5 tons/year of nitrous oxide (N ₂ O)	D2g	<input type="checkbox"/>	<input type="checkbox"/>
iii. More than 1000 tons/year of carbon equivalent of perfluorocarbons (PFCs)	D2g	<input type="checkbox"/>	<input type="checkbox"/>
iv. More than .045 tons/year of sulfur hexafluoride (SF ₆)	D2g	<input type="checkbox"/>	<input type="checkbox"/>
v. More than 1000 tons/year of carbon dioxide equivalent of hydrochloroflourocarbons (HFCs) emissions	D2g	<input type="checkbox"/>	<input type="checkbox"/>
vi. 43 tons/year or more of methane	D2h	<input type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may generate 10 tons/year or more of any one designated hazardous air pollutant, or 25 tons/year or more of any combination of such hazardous air pollutants.	D2g	<input type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may require a state air registration, or may produce an emissions rate of total contaminants that may exceed 5 lbs. per hour, or may include a heat source capable of producing more than 10 million BTU's per hour.	D2f, D2g	<input type="checkbox"/>	<input type="checkbox"/>
d. The proposed action may reach 50% of any of the thresholds in "a" through "c", above.	D2g	<input type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may result in the combustion or thermal treatment of more than 1 ton of refuse per hour.	D2s	<input type="checkbox"/>	<input type="checkbox"/>
f. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>

7. Impact on Plants and Animals			
The proposed action may result in a loss of flora or fauna. (See Part 1. E.2. m.-q.) <i>If "Yes", answer questions a - j. If "No", move on to Section 8.</i>		<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may cause reduction in population or loss of individuals of any threatened or endangered species, as listed by New York State or the Federal government, that use the site, or are found on, over, or near the site.	E2o	<input type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may result in a reduction or degradation of any habitat used by any rare, threatened or endangered species, as listed by New York State or the federal government.	E2o	<input type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may cause reduction in population, or loss of individuals, of any species of special concern or conservation need, as listed by New York State or the Federal government, that use the site, or are found on, over, or near the site.	E2p	<input type="checkbox"/>	<input type="checkbox"/>
d. The proposed action may result in a reduction or degradation of any habitat used by any species of special concern and conservation need, as listed by New York State or the Federal government.	E2p	<input type="checkbox"/>	<input type="checkbox"/>

e. The proposed action may diminish the capacity of a registered National Natural Landmark to support the biological community it was established to protect.	E3c	<input type="checkbox"/>	Section 3, Item a.
f. The proposed action may result in the removal of, or ground disturbance in, any portion of a designated significant natural community. Source: _____	E2n	<input type="checkbox"/>	<input type="checkbox"/>
g. The proposed action may substantially interfere with nesting/breeding, foraging, or over-wintering habitat for the predominant species that occupy or use the project site.	E2m	<input type="checkbox"/>	<input type="checkbox"/>
h. The proposed action requires the conversion of more than 10 acres of forest, grassland or any other regionally or locally important habitat. Habitat type & information source: _____	E1b	<input type="checkbox"/>	<input type="checkbox"/>
i. Proposed action (commercial, industrial or recreational projects, only) involves use of herbicides or pesticides.	D2q	<input type="checkbox"/>	<input type="checkbox"/>
j. Other impacts: _____		<input type="checkbox"/>	<input type="checkbox"/>

8. Impact on Agricultural Resources			
The proposed action may impact agricultural resources. (See Part 1. E.3.a. and b.)		<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES
<i>If "Yes", answer questions a - h. If "No", move on to Section 9.</i>			
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may impact soil classified within soil group 1 through 4 of the NYS Land Classification System.	E2c, E3b	<input type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may sever, cross or otherwise limit access to agricultural land (includes cropland, hayfields, pasture, vineyard, orchard, etc).	E1a, E1b	<input type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may result in the excavation or compaction of the soil profile of active agricultural land.	E3b	<input type="checkbox"/>	<input type="checkbox"/>
d. The proposed action may irreversibly convert agricultural land to non-agricultural uses, either more than 2.5 acres if located in an Agricultural District, or more than 10 acres if not within an Agricultural District.	E1b, E3a	<input type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may disrupt or prevent installation of an agricultural land management system.	E1 a, E1b	<input type="checkbox"/>	<input type="checkbox"/>
f. The proposed action may result, directly or indirectly, in increased development potential or pressure on farmland.	C2c, C3, D2c, D2d	<input type="checkbox"/>	<input type="checkbox"/>
g. The proposed project is not consistent with the adopted municipal Farmland Protection Plan.	C2c	<input type="checkbox"/>	<input type="checkbox"/>
h. Other impacts: _____		<input type="checkbox"/>	<input type="checkbox"/>

9. Impact on Aesthetic Resources

The land use of the proposed action are obviously different from, or are in sharp contrast to, current land use patterns between the proposed project and a scenic or aesthetic resource. (Part 1. E.1.a, E.1.b, E.3.h.)

NO

YES

If "Yes", answer questions a - g. If "No", go to Section 10.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. Proposed action may be visible from any officially designated federal, state, or local scenic or aesthetic resource.	E3h	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may result in the obstruction, elimination or significant screening of one or more officially designated scenic views.	E3h, C2b	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may be visible from publicly accessible vantage points: i. Seasonally (e.g., screened by summer foliage, but visible during other seasons) ii. Year round	E3h	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
d. The situation or activity in which viewers are engaged while viewing the proposed action is: i. Routine travel by residents, including travel to and from work ii. Recreational or tourism based activities	E3h E2q, E1c	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
e. The proposed action may cause a diminishment of the public enjoyment and appreciation of the designated aesthetic resource.	E3h	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f. There are similar projects visible within the following distance of the proposed project: 0-1/2 mile 1/2 -3 mile 3-5 mile 5+ mile	D1a, E1a, D1f, D1g	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>

10. Impact on Historic and Archeological Resources

The proposed action may occur in or adjacent to a historic or archaeological resource. (Part 1. E.3.e, f. and g.)

NO

YES

If "Yes", answer questions a - e. If "No", go to Section 11.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may occur wholly or partially within, or substantially contiguous to, any buildings, archaeological site or district which is listed on the National or State Register of Historical Places, or that has been determined by the Commissioner of the NYS Office of Parks, Recreation and Historic Preservation to be eligible for listing on the State Register of Historic Places.	E3e	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may occur wholly or partially within, or substantially contiguous to, an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory.	E3f	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may occur wholly or partially within, or substantially contiguous to, an archaeological site not included on the NY SHPO inventory. Source: _____	E3g	<input checked="" type="checkbox"/>	<input type="checkbox"/>

d. Other impacts: _____ _____		<input checked="" type="checkbox"/>	Section 3, Item a.
e. If any of the above (a-d) are answered “Moderate to large impact may occur”, continue with the following questions to help support conclusions in Part 3:			
i. The proposed action may result in the destruction or alteration of all or part of the site or property.	E3e, E3g, E3f	<input type="checkbox"/>	<input type="checkbox"/>
ii. The proposed action may result in the alteration of the property’s setting or integrity.	E3e, E3f, E3g, E1a, E1b	<input type="checkbox"/>	<input type="checkbox"/>
iii. The proposed action may result in the introduction of visual elements which are out of character with the site or property, or may alter its setting.	E3e, E3f, E3g, E3h, C2, C3	<input type="checkbox"/>	<input type="checkbox"/>

11. Impact on Open Space and Recreation			
The proposed action may result in a loss of recreational opportunities or a reduction of an open space resource as designated in any adopted municipal open space plan. (See Part 1. C.2.c, E.1.c., E.2.q.) <i>If “Yes”, answer questions a - e. If “No”, go to Section 12.</i>		<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may result in an impairment of natural functions, or “ecosystem services”, provided by an undeveloped area, including but not limited to stormwater storage, nutrient cycling, wildlife habitat.	D2e, E1b E2h, E2m, E2o, E2n, E2p	<input type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may result in the loss of a current or future recreational resource.	C2a, E1c, C2c, E2q	<input type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may eliminate open space or recreational resource in an area with few such resources.	C2a, C2c E1c, E2q	<input type="checkbox"/>	<input type="checkbox"/>
d. The proposed action may result in loss of an area now used informally by the community as an open space resource.	C2c, E1c	<input type="checkbox"/>	<input type="checkbox"/>
e. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>

12. Impact on Critical Environmental Areas			
The proposed action may be located within or adjacent to a critical environmental area (CEA). (See Part 1. E.3.d) <i>If “Yes”, answer questions a - c. If “No”, go to Section 13.</i>		<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may result in a reduction in the quantity of the resource or characteristic which was the basis for designation of the CEA.	E3d	<input type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may result in a reduction in the quality of the resource or characteristic which was the basis for designation of the CEA.	E3d	<input type="checkbox"/>	<input type="checkbox"/>
c. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>

13. Impact on Transportation

The proposed action may result in a change to existing transportation systems.

NO

YES

(See Part 1. D.2.j)

If "Yes", answer questions a - f. If "No", go to Section 14.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. Projected traffic increase may exceed capacity of existing road network.	D2j	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may result in the construction of paved parking area for 500 or more vehicles.	D2j	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. The proposed action will degrade existing transit access.	D2j	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. The proposed action will degrade existing pedestrian or bicycle accommodations.	D2j	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may alter the present pattern of movement of people or goods.	D2j	<input type="checkbox"/>	<input type="checkbox"/>
f. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>

14. Impact on Energy

The proposed action may cause an increase in the use of any form of energy.

NO

YES

(See Part 1. D.2.k)

If "Yes", answer questions a - e. If "No", go to Section 15.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action will require a new, or an upgrade to an existing, substation.	D2k	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. The proposed action will require the creation or extension of an energy transmission or supply system to serve more than 50 single or two-family residences or to serve a commercial or industrial use.	D1f, D1q, D2k	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may utilize more than 2,500 MWhrs per year of electricity.	D2k	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. The proposed action may involve heating and/or cooling of more than 100,000 square feet of building area when completed.	D1g	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. Other Impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>

15. Impact on Noise, Odor, and Light

The proposed action may result in an increase in noise, odors, or outdoor lighting.

NO

YES

(See Part 1. D.2.m., n., and o.)

If "Yes", answer questions a - f. If "No", go to Section 16.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may produce sound above noise levels established by local regulation.	D2m	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may result in blasting within 1,500 feet of any residence, hospital, school, licensed day care center, or nursing home.	D2m, E1d	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may result in routine odors for more than one hour per day.	D2o	<input checked="" type="checkbox"/>	<input type="checkbox"/>

d. The proposed action may result in light shining onto adjoining properties.	D2n	<input checked="" type="checkbox"/>	Section 3, Item a.
e. The proposed action may result in lighting creating sky-glow brighter than existing area conditions.	D2n, E1a	<input checked="" type="checkbox"/>	
f. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>

16. Impact on Human Health

The proposed action may have an impact on human health from exposure to new or existing sources of contaminants. (See Part 1.D.2.q., E.1. d. f. g. and h.)
If "Yes", answer questions a - m. If "No", go to Section 17.

NO

YES

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action is located within 1500 feet of a school, hospital, licensed day care center, group home, nursing home or retirement community.	E1d	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. The site of the proposed action is currently undergoing remediation.	E1g, E1h	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. There is a completed emergency spill remediation, or a completed environmental site remediation on, or adjacent to, the site of the proposed action.	E1g, E1h	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. The site of the action is subject to an institutional control limiting the use of the property (e.g., easement or deed restriction).	E1g, E1h	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may affect institutional control measures that were put in place to ensure that the site remains protective of the environment and human health.	E1g, E1h	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f. The proposed action has adequate control measures in place to ensure that future generation, treatment and/or disposal of hazardous wastes will be protective of the environment and human health.	D2t	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g. The proposed action involves construction or modification of a solid waste management facility.	D2q, E1f	<input type="checkbox"/>	<input type="checkbox"/>
h. The proposed action may result in the unearthing of solid or hazardous waste.	D2q, E1f	<input checked="" type="checkbox"/>	<input type="checkbox"/>
i. The proposed action may result in an increase in the rate of disposal, or processing, of solid waste.	D2r, D2s	<input checked="" type="checkbox"/>	<input type="checkbox"/>
j. The proposed action may result in excavation or other disturbance within 2000 feet of a site used for the disposal of solid or hazardous waste.	E1f, E1g E1h	<input checked="" type="checkbox"/>	<input type="checkbox"/>
k. The proposed action may result in the migration of explosive gases from a landfill site to adjacent off site structures.	E1f, E1g	<input checked="" type="checkbox"/>	<input type="checkbox"/>
l. The proposed action may result in the release of contaminated leachate from the project site.	D2s, E1f, D2r	<input checked="" type="checkbox"/>	<input type="checkbox"/>
m. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>

17. Consistency with Community Plans
 The proposed action is not consistent with adopted land use plans. NO YES
 (See Part 1. C.1, C.2. and C.3.)
 If "Yes", answer questions a - h. If "No", go to Section 18.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action's land use components may be different from, or in sharp contrast to, current surrounding land use pattern(s).	C2, C3, D1a E1a, E1b	<input type="checkbox"/>	<input type="checkbox"/>
b. The proposed action will cause the permanent population of the city, town or village in which the project is located to grow by more than 5%.	C2	<input type="checkbox"/>	<input type="checkbox"/>
c. The proposed action is inconsistent with local land use plans or zoning regulations.	C2, C2, C3	<input type="checkbox"/>	<input type="checkbox"/>
d. The proposed action is inconsistent with any County plans, or other regional land use plans.	C2, C2	<input type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may cause a change in the density of development that is not supported by existing infrastructure or is distant from existing infrastructure.	C3, D1c, D1d, D1f, D1d, E1b	<input type="checkbox"/>	<input type="checkbox"/>
f. The proposed action is located in an area characterized by low density development that will require new or expanded public infrastructure.	C4, D2c, D2d D2j	<input type="checkbox"/>	<input type="checkbox"/>
g. The proposed action may induce secondary development impacts (e.g., residential or commercial development not included in the proposed action)	C2a	<input type="checkbox"/>	<input type="checkbox"/>
h. Other: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>

18. Consistency with Community Character
 The proposed project is inconsistent with the existing community character. NO YES
 (See Part 1. C.2, C.3, D.2, E.3)
 If "Yes", answer questions a - g. If "No", proceed to Part 3.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may replace or eliminate existing facilities, structures, or areas of historic importance to the community.	E3e, E3f, E3g	<input type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may create a demand for additional community services (e.g. schools, police and fire)	C4	<input type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may displace affordable or low-income housing in an area where there is a shortage of such housing.	C2, C3, D1f D1g, E1a	<input type="checkbox"/>	<input type="checkbox"/>
d. The proposed action may interfere with the use or enjoyment of officially recognized or designated public resources.	C2, E3	<input type="checkbox"/>	<input type="checkbox"/>
e. The proposed action is inconsistent with the predominant architectural scale and character.	C2, C3	<input type="checkbox"/>	<input type="checkbox"/>
f. Proposed action is inconsistent with the character of the existing natural landscape.	C2, C3 E1a, E1b E2g, E2h	<input type="checkbox"/>	<input type="checkbox"/>
g. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>

**Full Environmental Assessment Form
Part 1 - Project and Setting**

Section 3, Item a.

Instructions for Completing Part 1

Part 1 is to be completed by the applicant or project sponsor. Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification.

Complete Part 1 based on information currently available. If additional research or investigation would be needed to fully respond to any item, please answer as thoroughly as possible based on current information; indicate whether missing information does not exist, or is not reasonably available to the sponsor; and, when possible, generally describe work or studies which would be necessary to update or fully develop that information.

Applicants/sponsors must complete all items in Sections A & B. In Sections C, D & E, most items contain an initial question that must be answered either “Yes” or “No”. If the answer to the initial question is “Yes”, complete the sub-questions that follow. If the answer to the initial question is “No”, proceed to the next question. Section F allows the project sponsor to identify and attach any additional information. Section G requires the name and signature of the applicant or project sponsor to verify that the information contained in Part 1 is accurate and complete.

A. Project and Applicant/Sponsor Information.

Name of Action or Project: Dandy Mini-Mart, Lansing		
Project Location (describe, and attach a general location map): South-West from the intersection of East Shore Drive and Ridge Road, Lansing.		
Brief Description of Proposed Action (include purpose or need): The proposed project involves the construction of 6,100 SF of convenience store including outdoor seating area in a parcel of 4.073 acres. It also includes two gasoline fuel islands, diesel fuel island, fuel tank storage area, and parking lots (36 spaces including 4 truck spaces and up to 4 EV spaces initially). It also includes the on-site wastewater treatment system and stormwater management of the property.		
Name of Applicant/Sponsor: Dandy Mini Marts Inc.	Telephone: 570-888-4344 ext. 133	E-Mail: dphillips@godandy.com
Address: 6221 Mile Lane Road		
City/PO: Sayre	State: PA	Zip Code: 18840
Project Contact (if not same as sponsor; give name and title/role): Duane Philips	Telephone: 570-888-4344 (x133)	E-Mail: dphillips@godandy.com
Address: 6221 Mile Lane Road		
City/PO: Sayre	State: PA	Zip Code: 18840
Property Owner (if not same as sponsor):	Telephone:	E-Mail:
Address:		
City/PO:	State:	Zip Code:

B. Government Approvals

B. Government Approvals, Funding, or Sponsorship. (“Funding” includes grants, loans, tax relief, and any other forms of financial assistance.)

Government Entity	If Yes: Identify Agency and Approval(s) Required	Application Date (Actual or projected)
a. City Counsel, Town Board, <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No or Village Board of Trustees		
b. City, Town or Village Planning Board or Commission <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Site Plan Approval CAC Referral	03/23/2022
c. City, Town or Village Zoning Board of Appeals <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Sign Area Variance	12/13/2022
d. Other local agencies <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
e. County agencies <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	M-239 Referral - County PB	05/15/2022
f. Regional agencies <input type="checkbox"/> Yes <input type="checkbox"/> No		
g. State agencies <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	NYSDEC - SPDES, NYSDOT - PERM 33	05/15/2022
h. Federal agencies <input type="checkbox"/> Yes <input type="checkbox"/> No		
i. Coastal Resources.		
i. Is the project site within a Coastal Area, or the waterfront area of a Designated Inland Waterway?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
ii. Is the project site located in a community with an approved Local Waterfront Revitalization Program?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
iii. Is the project site within a Coastal Erosion Hazard Area?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

C. Planning and Zoning

C.1. Planning and zoning actions.

Will administrative or legislative adoption, or amendment of a plan, local law, ordinance, rule or regulation be the only approval(s) which must be granted to enable the proposed action to proceed? Yes No

- **If Yes**, complete sections C, F and G.
- **If No**, proceed to question C.2 and complete all remaining sections and questions in Part 1

C.2. Adopted land use plans.

a. Do any municipally- adopted (city, town, village or county) comprehensive land use plan(s) include the site where the proposed action would be located? Yes No

If Yes, does the comprehensive plan include specific recommendations for the site where the proposed action would be located? Yes No

b. Is the site of the proposed action within any local or regional special planning district (for example: Greenway; Brownfield Opportunity Area (BOA); designated State or Federal heritage area; watershed management plan; or other?) Yes No

If Yes, identify the plan(s):

Cayuga Lake Scenic Byway _____

c. Is the proposed action located wholly or partially within an area listed in an adopted municipal open space plan, or an adopted municipal farmland protection plan? Yes No

If Yes, identify the plan(s):

C.3. Zoning

Section 3, Item a.

a. Is the site of the proposed action located in a municipality with an adopted zoning law or ordinance. Yes No
If Yes, what is the zoning classification(s) including any applicable overlay district?
Commercial Mixed Use (B1)

b. Is the use permitted or allowed by a special or conditional use permit? Yes No

c. Is a zoning change requested as part of the proposed action? Yes No
If Yes,
i. What is the proposed new zoning for the site? _____

C.4. Existing community services.

a. In what school district is the project site located? Lansing School District

b. What police or other public protection forces serve the project site?
New York State Police Department, Tompkins County Sheriff

c. Which fire protection and emergency medical services serve the project site?
Lansing Fire Department

d. What parks serve the project site?
Lansing Park & Recreation

D. Project Details

D.1. Proposed and Potential Development

a. What is the general nature of the proposed action (e.g., residential, industrial, commercial, recreational; if mixed, include all components)? Commercial & Vacant

b. a. Total acreage of the site of the proposed action? _____ 4.70 acres
b. Total acreage to be physically disturbed? _____ 4.70 acres
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? _____ 4.70 acres

c. Is the proposed action an expansion of an existing project or use? Yes No
i. If Yes, what is the approximate percentage of the proposed expansion and identify the units (e.g., acres, miles, housing units, square feet)? % _____ Units: _____

d. Is the proposed action a subdivision, or does it include a subdivision? Yes No
If Yes,
i. Purpose or type of subdivision? (e.g., residential, industrial, commercial; if mixed, specify types) _____
ii. Is a cluster/conservation layout proposed? Yes No
iii. Number of lots proposed? _____
iv. Minimum and maximum proposed lot sizes? Minimum _____ Maximum _____

e. Will the proposed action be constructed in multiple phases? Yes No
i. If No, anticipated period of construction: _____ 18 months
ii. If Yes:
• Total number of phases anticipated _____
• Anticipated commencement date of phase 1 (including demolition) _____ month _____ year
• Anticipated completion date of final phase _____ month _____ year
• Generally describe connections or relationships among phases, including any contingencies where progress of one phase may determine timing or duration of future phases: _____

f. Does the project include new residential uses?

If Yes, show numbers of units proposed.

Yes No
Section 3, Item a.

One Family Two Family Three Family Multiple Family (four or more)

Initial Phase _____
At completion _____
of all phases _____

g. Does the proposed action include new non-residential construction (including expansions)? Yes No

If Yes, Gas Canopy: 20'H x 24'W x 76'L

- i. Total number of structures 1
- ii. Dimensions (in feet) of largest proposed structure: 24.5 height; 65 width; and 90 length 20' to Top of Parapet
- iii. Approximate extent of building space to be heated or cooled: _____ up to 6,100 square feet

h. Does the proposed action include construction or other activities that will result in the impoundment of any liquids, such as creation of a water supply, reservoir, pond, lake, waste lagoon or other storage? Yes No

If Yes,

- i. Purpose of the impoundment: _____
- ii. If a water impoundment, the principal source of the water: Ground water Surface water streams Other specify: _____
- iii. If other than water, identify the type of impounded/contained liquids and their source. _____

iv. Approximate size of the proposed impoundment. Volume: _____ million gallons; surface area: _____ acres

v. Dimensions of the proposed dam or impounding structure: _____ height; _____ length

vi. Construction method/materials for the proposed dam or impounding structure (e.g., earth fill, rock, wood, concrete): _____

D.2. Project Operations

a. Does the proposed action include any excavation, mining, or dredging, during construction, operations, or both? Yes No
(Not including general site preparation, grading or installation of utilities or foundations where all excavated materials will remain onsite)

If Yes:

- i. What is the purpose of the excavation or dredging? _____
- ii. How much material (including rock, earth, sediments, etc.) is proposed to be removed from the site?
 - Volume (specify tons or cubic yards): _____
 - Over what duration of time? _____
- iii. Describe nature and characteristics of materials to be excavated or dredged, and plans to use, manage or dispose of them. _____

iv. Will there be onsite dewatering or processing of excavated materials? Yes No
If yes, describe. _____

v. What is the total area to be dredged or excavated? _____ acres

vi. What is the maximum area to be worked at any one time? _____ acres

vii. What would be the maximum depth of excavation or dredging? _____ feet

viii. Will the excavation require blasting? Yes No

ix. Summarize site reclamation goals and plan: _____

b. Would the proposed action cause or result in alteration of, increase or decrease in size of, or encroachment into any existing wetland, waterbody, shoreline, beach or adjacent area? Yes No

If Yes:

- i. Identify the wetland or waterbody which would be affected (by name, water index number, wetland map number or geographic description): _____

ii. Describe how the proposed action would affect that waterbody or wetland, e.g. excavation, fill, placement of structures, or alteration of channels, banks and shorelines. Indicate extent of activities, alterations and additions in square feet or _____

iii. Will the proposed action cause or result in disturbance to bottom sediments? Yes No
If Yes, describe: _____

iv. Will the proposed action cause or result in the destruction or removal of aquatic vegetation? Yes No
If Yes:
• acres of aquatic vegetation proposed to be removed: _____
• expected acreage of aquatic vegetation remaining after project completion: _____
• purpose of proposed removal (e.g. beach clearing, invasive species control, boat access): _____
• proposed method of plant removal: _____
• if chemical/herbicide treatment will be used, specify product(s): _____

v. Describe any proposed reclamation/mitigation following disturbance: _____

c. Will the proposed action use, or create a new demand for water? Yes No
If Yes:

i. Total anticipated water usage/demand per day: _____ 1000 gallons/day

ii. Will the proposed action obtain water from an existing public water supply? Yes No
If Yes:

- Name of district or service area: Consolidated Water District - WD321
- Does the existing public water supply have capacity to serve the proposal? Yes No
- Is the project site in the existing district? Yes No
- Is expansion of the district needed? Yes No
- Do existing lines serve the project site? Yes No

iii. Will line extension within an existing district be necessary to supply the project? Yes No
If Yes:

- Describe extensions or capacity expansions proposed to serve this project: _____
- Source(s) of supply for the district: _____

iv. Is a new water supply district or service area proposed to be formed to serve the project site? Yes No
If Yes:

- Applicant/sponsor for new district: _____
- Date application submitted or anticipated: _____
- Proposed source(s) of supply for new district: _____

v. If a public water supply will not be used, describe plans to provide water supply for the project: _____

vi. If water supply will be from wells (public or private), what is the maximum pumping capacity: _____ gallons/minute.

d. Will the proposed action generate liquid wastes? Yes No
If Yes:

i. Total anticipated liquid waste generation per day: _____ 1000 gallons/day

ii. Nature of liquid wastes to be generated (e.g., sanitary wastewater, industrial; if combination, describe all components and approximate volumes or proportions of each): _____
Sanitary Wastewater

iii. Will the proposed action use any existing public wastewater treatment facilities? Yes No
If Yes:

- Name of wastewater treatment plant to be used: _____
- Name of district: _____
- Does the existing wastewater treatment plant have capacity to serve the project? Yes No
- Is the project site in the existing district? Yes No
- Is expansion of the district needed? Yes No

- Do existing sewer lines serve the project site?
- Will a line extension within an existing district be necessary to serve the project?

If Yes:

- Describe extensions or capacity expansions proposed to serve this project: _____

iv. Will a new wastewater (sewage) treatment district be formed to serve the project site? Yes No

If Yes:

- Applicant/sponsor for new district: _____
- Date application submitted or anticipated: _____
- What is the receiving water for the wastewater discharge? _____

v. If public facilities will not be used, describe plans to provide wastewater treatment for the project, including specifying proposed receiving water (name and classification if surface discharge or describe subsurface disposal plans):

Wastewater treatments will be provided with an on-site wastewater treatment system.

vi. Describe any plans or designs to capture, recycle or reuse liquid waste: _____

e. Will the proposed action disturb more than one acre and create stormwater runoff, either from new point sources (i.e. ditches, pipes, swales, curbs, gutters or other concentrated flows of stormwater) or non-point source (i.e. sheet flow) during construction or post construction? Yes No

If Yes:

i. How much impervious surface will the project create in relation to total size of project parcel?

_____ Square feet or 2.70 acres (impervious surface) 57.5% Lot Coverage.
_____ Square feet or 4.70 acres (parcel size)

ii. Describe types of new point sources. Roof Leaders and Parking Lot

iii. Where will the stormwater runoff be directed (i.e. on-site stormwater management facility/structures, adjacent properties, groundwater, on-site surface water or off-site surface waters)?

All stormwater to be collected by proposed stormwater catchbasins, and treated with the use of underground infiltration chambers.

- If to surface waters, identify receiving water bodies or wetlands: _____

- Will stormwater runoff flow to adjacent properties? Yes No

iv. Does the proposed plan minimize impervious surfaces, use pervious materials or collect and re-use stormwater? Yes No

f. Does the proposed action include, or will it use on-site, one or more sources of air emissions, including fuel combustion, waste incineration, or other processes or operations? Yes No

If Yes, identify:

i. Mobile sources during project operations (e.g., heavy equipment, fleet or delivery vehicles)

ii. Stationary sources during construction (e.g., power generation, structural heating, batch plant, crushers)

iii. Stationary sources during operations (e.g., process emissions, large boilers, electric generation)

g. Will any air emission sources named in D.2.f (above), require a NY State Air Registration, Air Facility Permit, or Federal Clean Air Act Title IV or Title V Permit? Yes No

If Yes:

i. Is the project site located in an Air quality non-attainment area? (Area routinely or periodically fails to meet ambient air quality standards for all or some parts of the year) Yes No

ii. In addition to emissions as calculated in the application, the project will generate:

- _____ Tons/year (short tons) of Carbon Dioxide (CO₂)
- _____ Tons/year (short tons) of Nitrous Oxide (N₂O)
- _____ Tons/year (short tons) of Perfluorocarbons (PFCs)
- _____ Tons/year (short tons) of Sulfur Hexafluoride (SF₆)
- _____ Tons/year (short tons) of Carbon Dioxide equivalent of Hydroflouorocarbons (HFCs)
- _____ Tons/year (short tons) of Hazardous Air Pollutants (HAPs)

h. Will the proposed action generate or emit methane (including, but not limited to, sewage treatment plants, landfills, composting facilities)?

Yes No
Section 3, Item a.

If Yes:

- i. Estimate methane generation in tons/year (metric): _____
- ii. Describe any methane capture, control or elimination measures included in project design (e.g., combustion to generate heat or electricity, flaring): _____

i. Will the proposed action result in the release of air pollutants from open-air operations or processes, such as quarry or landfill operations?

Yes No

If Yes: Describe operations and nature of emissions (e.g., diesel exhaust, rock particulates/dust):

j. Will the proposed action result in a substantial increase in traffic above present levels or generate substantial new demand for transportation facilities or services?

Yes No

If Yes:

- i. When is the peak traffic expected (Check all that apply): Morning Evening Weekend
- Randomly between hours of 5 A.M. to 11 P.M.

ii. For commercial activities only, projected number of truck trips/day and type (e.g., semi trailers and dump trucks): _____
4 Deliveries per day on average

iii. Parking spaces: Existing 0 Proposed 36 Net increase/decrease +36

iv. Does the proposed action include any shared use parking? Yes No

v. If the proposed action includes any modification of existing roads, creation of new roads or change in existing access, describe:

There will be two new access driveway.

vi. Are public/private transportation service(s) or facilities available within 1/2 mile of the proposed site? Yes No

vii. Will the proposed action include access to public transportation or accommodations for use of hybrid, electric or other alternative fueled vehicles? EV Charging Stations Yes No

viii. Will the proposed action include plans for pedestrian or bicycle accommodations for connections to existing pedestrian or bicycle routes? Yes No

k. Will the proposed action (for commercial or industrial projects only) generate new or additional demand for energy?

Yes No

If Yes:

i. Estimate annual electricity demand during operation of the proposed action: _____
U.S. Avg. Usage is 52.5 KWH/Year/SF. 312,000 KWH/Year.

ii. Anticipated sources/suppliers of electricity for the project (e.g., on-site combustion, on-site renewable, via grid/local utility, or other):

Via Grid/Local Utility

iii. Will the proposed action require a new, or an upgrade, to an existing substation? Yes No

l. Hours of operation. Answer all items which apply.

i. During Construction:

- Monday - Friday: 7 A.M. - 7 P.M.
- Saturday: 7 A.M. - 7 P.M.
- Sunday: _____
- Holidays: _____

ii. During Operations:

- Monday - Friday: 5 A.M. - 11 P.M.
- Saturday: 5 A.M. - 11 P.M.
- Sunday: 5 A.M. - 11 P.M.
- Holidays: 5 A.M. - 11 P.M.

<p>m. Will the proposed action produce noise that will exceed existing ambient noise levels during construction, operation, or both? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If yes:</p> <p>i. Provide details including sources, time of day and duration: <u>Typical construction noise 7AM-7PM during the construction period.</u></p> <p>ii. Will the proposed action remove existing natural barriers that could act as a noise barrier or screen? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Describe: _____</p>	<div style="border: 1px solid black; padding: 2px; width: fit-content; margin: auto;">Section 3, Item a.</div>
<p>n. Will the proposed action have outdoor lighting? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If yes:</p> <p>i. Describe source(s), location(s), height of fixture(s), direction/aim, and proximity to nearest occupied structures: See photometrics plan - all dark sky compliant, no off-site spillage</p> <p>ii. Will proposed action remove existing natural barriers that could act as a light barrier or screen? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Describe: _____</p>	
<p>o. Does the proposed action have the potential to produce odors for more than one hour per day? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes, describe possible sources, potential frequency and duration of odor emissions, and proximity to nearest occupied structures: _____</p>	
<p>p. Will the proposed action include any bulk storage of petroleum (combined capacity of over 1,100 gallons) or chemical products 185 gallons in above ground storage or any amount in underground storage? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If Yes:</p> <p>i. Product(s) to be stored <u>Gasoline & Diesel - Underground permit through NYSDEC</u></p> <p>ii. Volume(s) _____ per unit time _____ (e.g., month, year) <u>NL-20,000 gal, PNL-8,000 gal, Diesel-15,000 gal, 90</u></p> <p>iii. Generally, describe the proposed storage facilities: <u>Octane-10,000 gal, and E85-6,000 gal (Also (2) 1,000 gal</u> <u>Underground tanks</u> propane tanks)</p>	
<p>q. Will the proposed action (commercial, industrial and recreational projects only) use pesticides (i.e., herbicides, insecticides) during construction or operation? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes:</p> <p>i. Describe proposed treatment(s): _____ _____ _____</p> <p>ii. Will the proposed action use Integrated Pest Management Practices? <input type="checkbox"/> Yes <input type="checkbox"/> No</p>	
<p>r. Will the proposed action (commercial or industrial projects only) involve or require the management or disposal of solid waste (excluding hazardous materials)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes:</p> <p>i. Describe any solid waste(s) to be generated during construction or operation of the facility:</p> <ul style="list-style-type: none"> • Construction: _____ < 0.1 tons per _____ week (unit of time) • Operation : _____ < 0.5 tons per _____ week (unit of time) <p>ii. Describe any proposals for on-site minimization, recycling or reuse of materials to avoid disposal as solid waste:</p> <ul style="list-style-type: none"> • Construction: <u>Recycling</u> • Operation: <u>Recycling</u> <p>iii. Proposed disposal methods/facilities for solid waste generated on-site:</p> <ul style="list-style-type: none"> • Construction: <u>Service Hauler</u> • Operation: <u>Service Hauler</u> 	

s. Does the proposed action include construction or modification of a solid waste management facility?

Yes No
Section 3, Item a.

If Yes:

- i. Type of management or handling of waste proposed for the site (e.g., recycling or transfer station, composting, landfills, or other disposal activities): _____
- ii. Anticipated rate of disposal/processing:
 - _____ Tons/month, if transfer or other non-combustion/thermal treatment, or
 - _____ Tons/hour, if combustion or thermal treatment
- iii. If landfill, anticipated site life: _____ years

t. Will the proposed action at the site involve the commercial generation, treatment, storage, or disposal of hazardous waste? Yes No

If Yes:

- i. Name(s) of all hazardous wastes or constituents to be generated, handled or managed at facility: _____
- ii. Generally describe processes or activities involving hazardous wastes or constituents: _____
- iii. Specify amount to be handled or generated _____ tons/month
- iv. Describe any proposals for on-site minimization, recycling or reuse of hazardous constituents: _____
- v. Will any hazardous wastes be disposed at an existing offsite hazardous waste facility? Yes No

If Yes: provide name and location of facility: _____

If No: describe proposed management of any hazardous wastes which will not be sent to a hazardous waste facility: _____

E. Site and Setting of Proposed Action

E.1. Land uses on and surrounding the project site

a. Existing land uses.

i. Check all uses that occur on, adjoining and near the project site.

- Urban Industrial Commercial Residential (suburban) Rural (non-farm)
- Forest Agriculture Aquatic Other (specify): _____

ii. If mix of uses, generally describe: _____

b. Land uses and covertypes on the project site.

Land use or Covertypes	Current Acreage	Acreage After Project Completion	Change (Acres +/-)
• Roads, buildings, and other paved or impervious surfaces	1.12	2.70	+1.58
• Forested			
• Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural)	3.58	2.00	-1.58
• Agricultural (includes active orchards, field, greenhouse etc.)			
• Surface water features (lakes, ponds, streams, rivers, etc.)			
• Wetlands (freshwater or tidal)			
• Non-vegetated (bare rock, earth or fill)			
• Other Describe: _____			

c. Is the project site presently used by members of the community for public recreation? Yes No
 i. If Yes: explain: _____

d. Are there any facilities serving children, the elderly, people with disabilities (e.g., schools, hospitals, licensed day care centers, or group homes) within 1500 feet of the project site? Yes No
 If Yes,
 i. Identify Facilities:
 Woodsedge Senior Housing _____

e. Does the project site contain an existing dam? Yes No
 If Yes:
 i. Dimensions of the dam and impoundment:
 • Dam height: _____ feet
 • Dam length: _____ feet
 • Surface area: _____ acres
 • Volume impounded: _____ gallons OR acre-feet
 ii. Dam's existing hazard classification: _____
 iii. Provide date and summarize results of last inspection: _____

f. Has the project site ever been used as a municipal, commercial or industrial solid waste management facility, or does the project site adjoin property which is now, or was at one time, used as a solid waste management facility? Yes No
 If Yes:
 i. Has the facility been formally closed? Yes No
 • If yes, cite sources/documentation: _____
 ii. Describe the location of the project site relative to the boundaries of the solid waste management facility: _____
 iii. Describe any development constraints due to the prior solid waste activities: _____

g. Have hazardous wastes been generated, treated and/or disposed of at the site, or does the project site adjoin property which is now or was at one time used to commercially treat, store and/or dispose of hazardous waste? Yes No
 If Yes: No hazardous wastes were identified in the Phase I and II ESAs.
 i. Describe waste(s) handled and waste management activities, including approximate time when activities occurred: _____

h. Potential contamination history. Has there been a reported spill at the proposed project site, or have any remedial actions been conducted at or adjacent to the proposed site? Yes No
 If Yes:
 i. Is any portion of the site listed on the NYSDEC Spills Incidents database or Environmental Site Remediation database? Check all that apply: Yes No
 Yes – Spills Incidents database Provide DEC ID number(s): 2204537; 9610296
 Yes – Environmental Site Remediation database Provide DEC ID number(s): _____
 Neither database
 ii. If site has been subject of RCRA corrective activities, describe control measures: _____
 Not Applicable
 iii. Is the project within 2000 feet of any site in the NYSDEC Environmental Site Remediation database? Yes No
 If yes, provide DEC ID number(s): _____
 iv. If yes to (i), (ii) or (iii) above, describe current status of site(s): _____

Section 3, Item a.

v. Is the project site subject to an institutional control limiting property uses? Yes No

- If yes, DEC site ID number: _____
- Describe the type of institutional control (e.g., deed restriction or easement): _____
- Describe any use limitations: _____
- Describe any engineering controls: _____
- Will the project affect the institutional or engineering controls in place? Yes No
- Explain: _____

E.2. Natural Resources On or Near Project Site

a. What is the average depth to bedrock on the project site? _____ 10 feet 6'-10' during Phase II ESA Borings

b. Are there bedrock outcroppings on the project site? Yes No
 If Yes, what proportion of the site is comprised of bedrock outcroppings? _____ %

c. Predominant soil type(s) present on project site: Ovid Silt Loam _____ 99.3 %
 _____ %
 _____ %

d. What is the average depth to the water table on the project site? Average: _____ 8 feet

e. Drainage status of project site soils: Well Drained: _____ 0.7 % of site
 Moderately Well Drained: _____ % of site
 Poorly Drained _____ 99.3 % of site

f. Approximate proportion of proposed action site with slopes: 0-10%: _____ 100 % of site
 10-15%: _____ % of site
 15% or greater: _____ % of site

g. Are there any unique geologic features on the project site? Yes No
 If Yes, describe: _____

h. Surface water features.

i. Does any portion of the project site contain wetlands or other waterbodies (including streams, rivers, ponds or lakes)? Yes No

ii. Do any wetlands or other waterbodies adjoin the project site? Yes No

If Yes to either *i* or *ii*, continue. If No, skip to E.2.i.

iii. Are any of the wetlands or waterbodies within or adjoining the project site regulated by any federal, state or local agency? Yes No

iv. For each identified regulated wetland and waterbody on the project site, provide the following information:

- Streams: Name 898-245 Classification C
- Lakes or Ponds: Name _____ Classification _____
- Wetlands: Name Federal Waters, Federal Waters, Federal Waters,... Approximate Size _____
- Wetland No. (if regulated by DEC) _____

v. Are any of the above water bodies listed in the most recent compilation of NYS water quality-impaired waterbodies? Yes No
 If yes, name of impaired water body/bodies and basis for listing as impaired: _____

i. Is the project site in a designated Floodway? Yes No

j. Is the project site in the 100-year Floodplain? Yes No

k. Is the project site in the 500-year Floodplain? Yes No

l. Is the project site located over, or immediately adjoining, a primary, principal or sole source aquifer? Yes No
 If Yes:
 i. Name of aquifer: _____

m. Identify the predominant wildlife species that occupy or use the project site: _____

Section 3, Item a.

n. Does the project site contain a designated significant natural community? Yes No

If Yes:

i. Describe the habitat/community (composition, function, and basis for designation): _____

ii. Source(s) of description or evaluation: _____

iii. Extent of community/habitat:

- Currently: _____ acres
- Following completion of project as proposed: _____ acres
- Gain or loss (indicate + or -): _____ acres

o. Does project site contain any species of plant or animal that is listed by the federal government or NYS as endangered or threatened, or does it contain any areas identified as habitat for an endangered or threatened species? Yes No

If Yes:

i. Species and listing (endangered or threatened): _____

p. Does the project site contain any species of plant or animal that is listed by NYS as rare, or as a species of special concern? Yes No

If Yes:

i. Species and listing: _____

q. Is the project site or adjoining area currently used for hunting, trapping, fishing or shell fishing? Yes No

If yes, give a brief description of how the proposed action may affect that use: _____

E.3. Designated Public Resources On or Near Project Site

a. Is the project site, or any portion of it, located in a designated agricultural district certified pursuant to Agriculture and Markets Law, Article 25-AA, Section 303 and 304? Yes No

If Yes, provide county plus district name/number: _____

b. Are agricultural lands consisting of highly productive soils present? Yes No

i. If Yes: acreage(s) on project site? _____

ii. Source(s) of soil rating(s): _____

c. Does the project site contain all or part of, or is it substantially contiguous to, a registered National Natural Landmark? Yes No

If Yes:

i. Nature of the natural landmark: Biological Community Geological Feature

ii. Provide brief description of landmark, including values behind designation and approximate size/extent: _____

d. Is the project site located in or does it adjoin a state listed Critical Environmental Area? Yes No

If Yes:

i. CEA name: _____

ii. Basis for designation: _____

iii. Designating agency and date: _____

e. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on the National or State Register of Historic Places, or that has been determined by the Commission Office of Parks, Recreation and Historic Preservation to be eligible for listing on the State Register of Historic Places.

If Yes:
i. Nature of historic/archaeological resource: [] Archaeological Site [x] Historic Building or District
ii. Name: Rogues Harbor Inn
iii. Brief description of attributes on which listing is based:
Rogue's Harbor Inn is a National Historic Landmark which was built in 1830.

f. Is the project site, or any portion of it, located in or adjacent to an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory? [x] Yes [] No

g. Have additional archaeological or historic site(s) or resources been identified on the project site? [] Yes [x] No
If Yes:
i. Describe possible resource(s):
ii. Basis for identification:

h. Is the project site within five miles of any officially designated and publicly accessible federal, state, or local scenic or aesthetic resource? [x] Yes [] No
If Yes:
i. Identify resource: Taughannock Fall State Park (4.3 mi), Cayuga Lake Scenic Byway (Adjacent), Myers Park (2.5 mi)
ii. Nature of, or basis for, designation (e.g., established highway overlook, state or local park, state historic trail or scenic byway, etc.): State Park, Scenic Byway
iii. Distance between project and resource: 4.8 miles.

i. Is the project site located within a designated river corridor under the Wild, Scenic and Recreational Rivers Program 6 NYCRR 666? [] Yes [x] No
If Yes:
i. Identify the name of the river and its designation:
ii. Is the activity consistent with development restrictions contained in 6NYCRR Part 666? [] Yes [] No

F. Additional Information

Attach any additional information which may be needed to clarify your project.

If you have identified any adverse impacts which could be associated with your proposal, please describe those impacts plus any measures which you propose to avoid or minimize them.

G. Verification

I certify that the information provided is true to the best of my knowledge.

Applicant/Sponsor Name Brian Grose Date Revised 12/14/2022

Signature [Signature] Title Engineer for Applicant



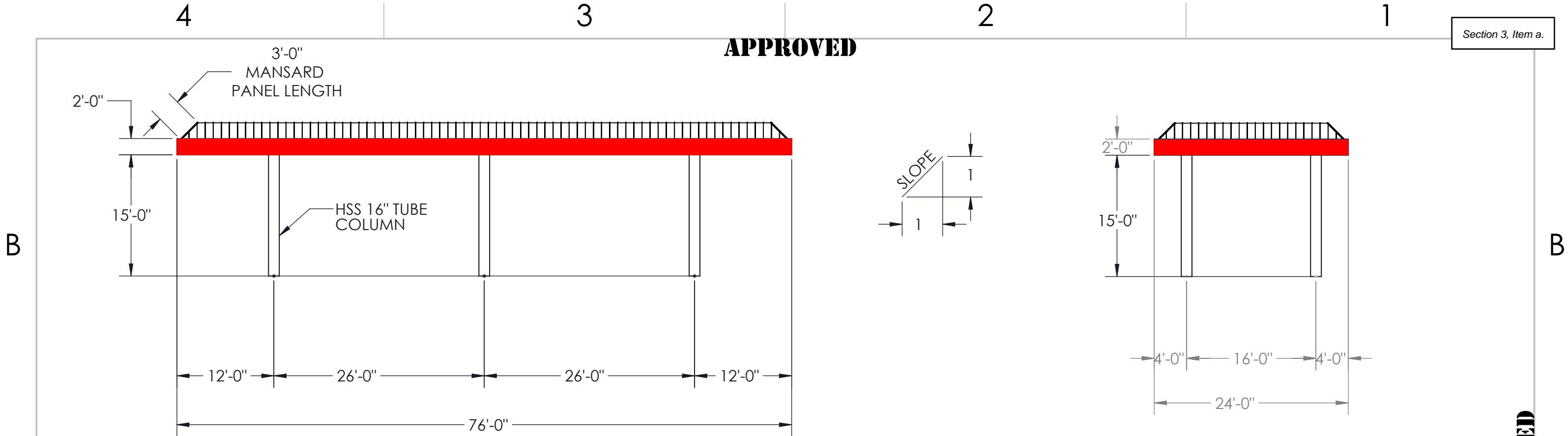
Disclaimer: The EAF Mapper is a screening tool intended to assist project sponsors and reviewing agencies in preparing an environmental assessment form (EAF). Not all questions asked in the EAF are answered by the EAF Mapper. Additional information on any EAF question can be obtained by consulting the EAF Workbooks. Although the EAF Mapper provides the most up-to-date digital data available to DEC, you may also need to contact local or other data sources in order to obtain data not provided by the Mapper. Digital data is not a substitute for agency determinations.



B.i.i [Coastal or Waterfront Area]	No
B.i.ii [Local Waterfront Revitalization Area]	No
C.2.b. [Special Planning District]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h [DEC Spills or Remediation Site - Potential Contamination History]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h.i [DEC Spills or Remediation Site - Listed]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h.i [DEC Spills or Remediation Site - Environmental Site Remediation Database]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h.iii [Within 2,000' of DEC Remediation Site]	No
E.2.g [Unique Geologic Features]	No
E.2.h.i [Surface Water Features]	Yes
E.2.h.ii [Surface Water Features]	Yes
E.2.h.iii [Surface Water Features]	Yes - Digital mapping information on local and federal wetlands and waterbodies is known to be incomplete. Refer to EAF Workbook.
E.2.h.iv [Surface Water Features - Stream Name]	898-245
E.2.h.iv [Surface Water Features - Stream Classification]	C
E.2.h.iv [Surface Water Features - Wetlands Name]	Federal Waters
E.2.h.v [Impaired Water Bodies]	No
E.2.i. [Floodway]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.2.j. [100 Year Floodplain]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.

E.2.k. [500 Year Floodplain]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.	
E.2.l. [Aquifers]	No	Section 3, Item a.
E.2.n. [Natural Communities]	No	
E.2.o. [Endangered or Threatened Species]	No	
E.2.p. [Rare Plants or Animals]	No	
E.3.a. [Agricultural District]	No	
E.3.c. [National Natural Landmark]	No	
E.3.d [Critical Environmental Area]	No	
E.3.e. [National or State Register of Historic Places or State Eligible Sites]	Yes - Digital mapping data for archaeological site boundaries are not available. Refer to EAF Workbook.	
E.3.e.ii [National or State Register of Historic Places or State Eligible Sites - Name]	Rogues Harbor Inn	
E.3.f. [Archeological Sites]	Yes	
E.3.i. [Designated River Corridor]	No	

APPROVED

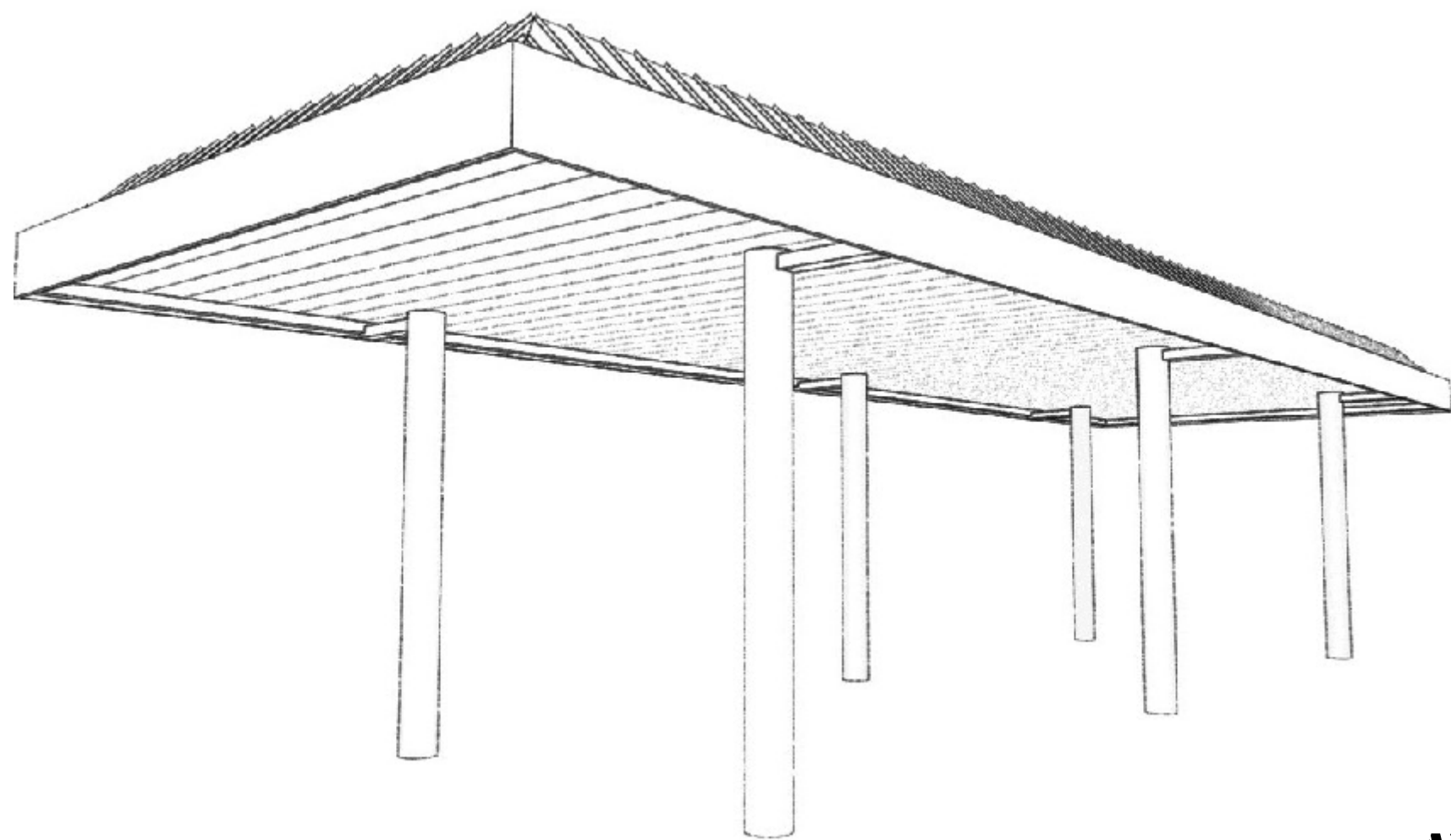


APPROVED

APPROVED

A

A



APPROVED

McGEE CORPORATION

12100 Stallings Commerce Drive
Blvd. P.O. Box 1375
Matthews, NC 28105-1375
Phone: (704) 882-1500
Watts: (800) 526-5589

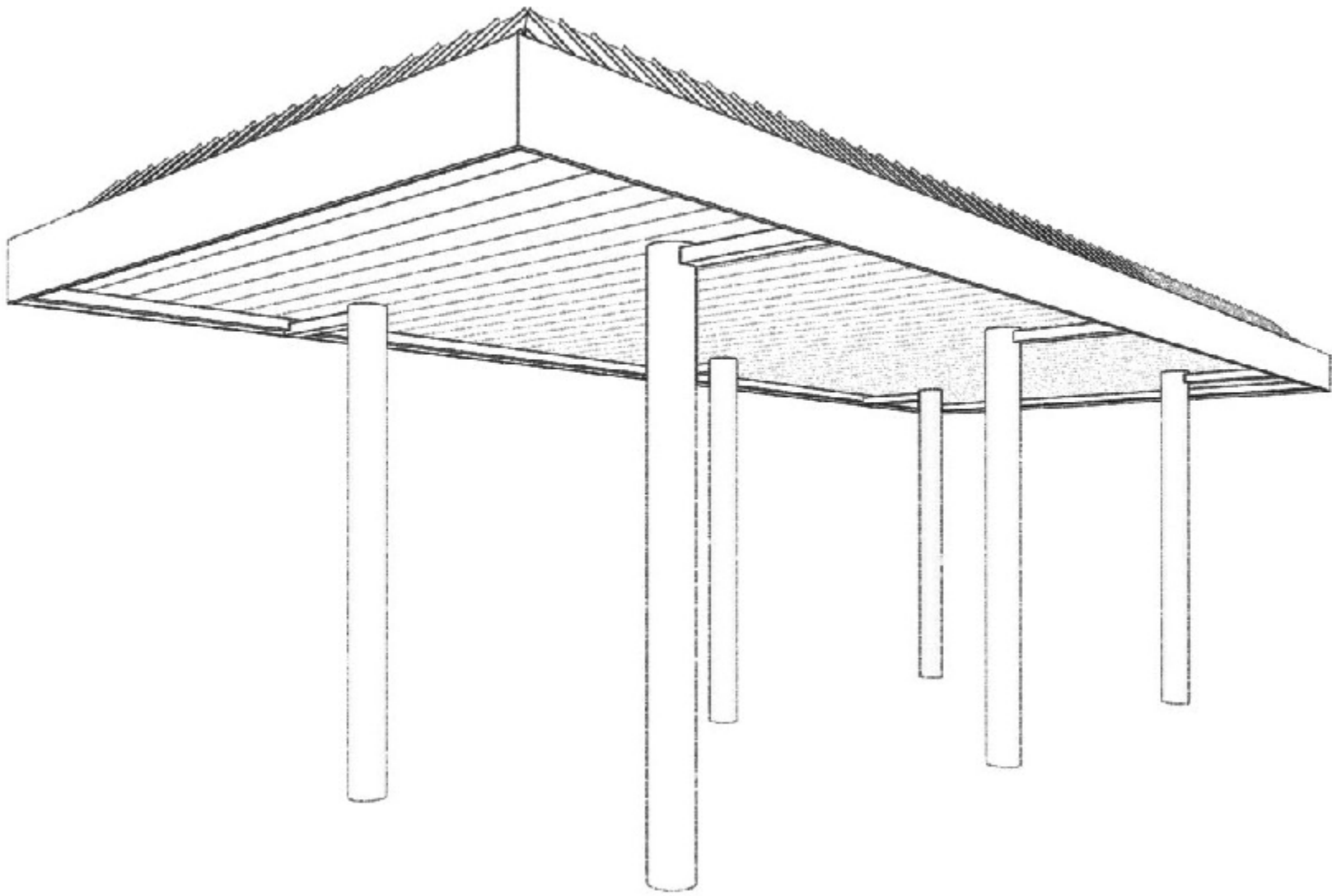
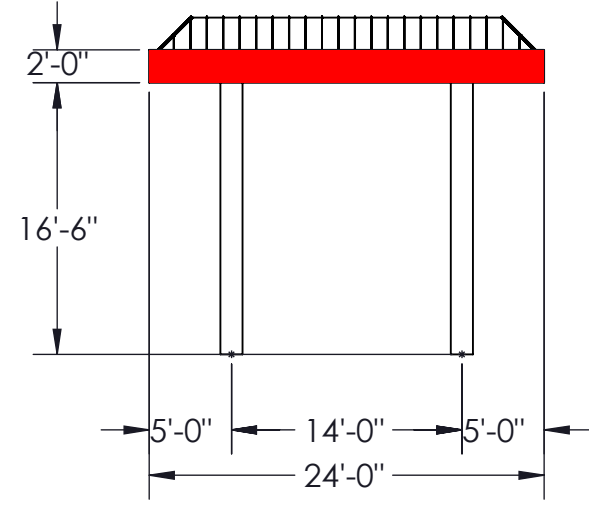
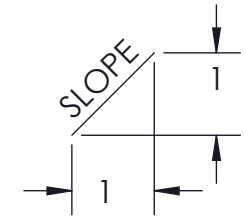
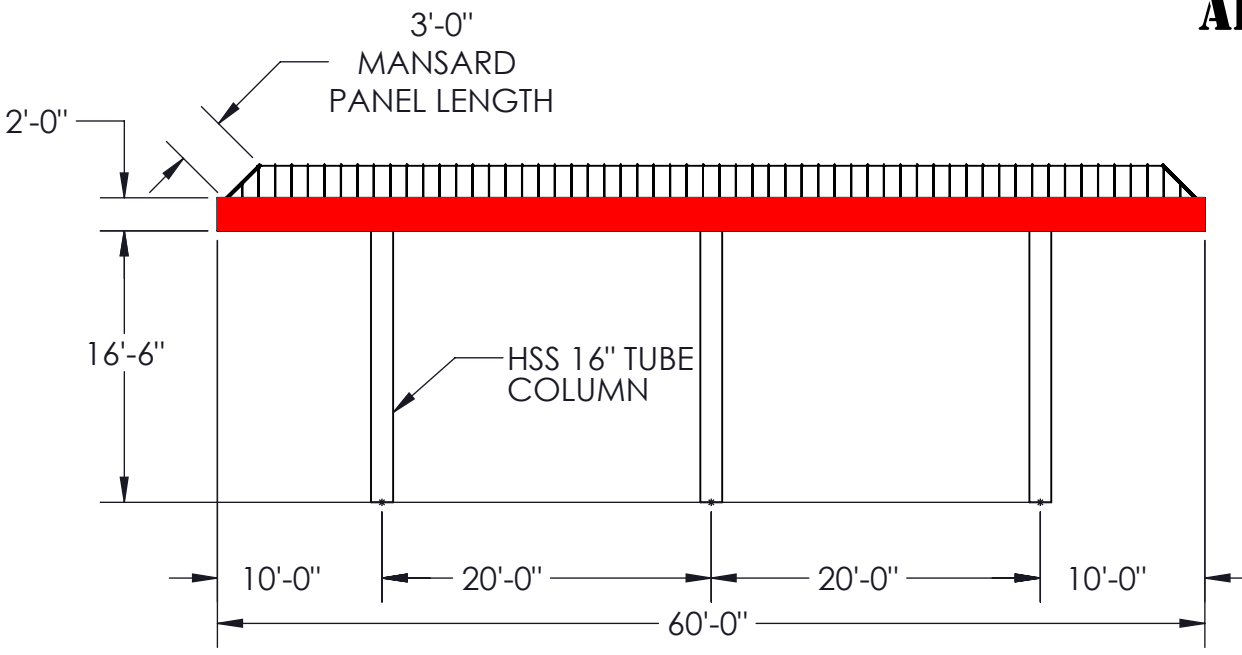
These prints are the property of McGee Corp.. Reproduction or reuse is prohibited without written permission.

PR. JOB NO. DANDY MINI MART	FINAL JOB NO.	DRAWING NO. PO
--------------------------------	---------------	-------------------

SCALE: DATE: 12/2/2022	IN ACCORDANCE WITH REV. LETTER: _____	DRAWN BY: CHK'D BY:
---------------------------	---------------------------------------	------------------------

PRELIMINARY	SHEET NO. 1 of 1
-------------	---------------------

APPROVED



APPROVED

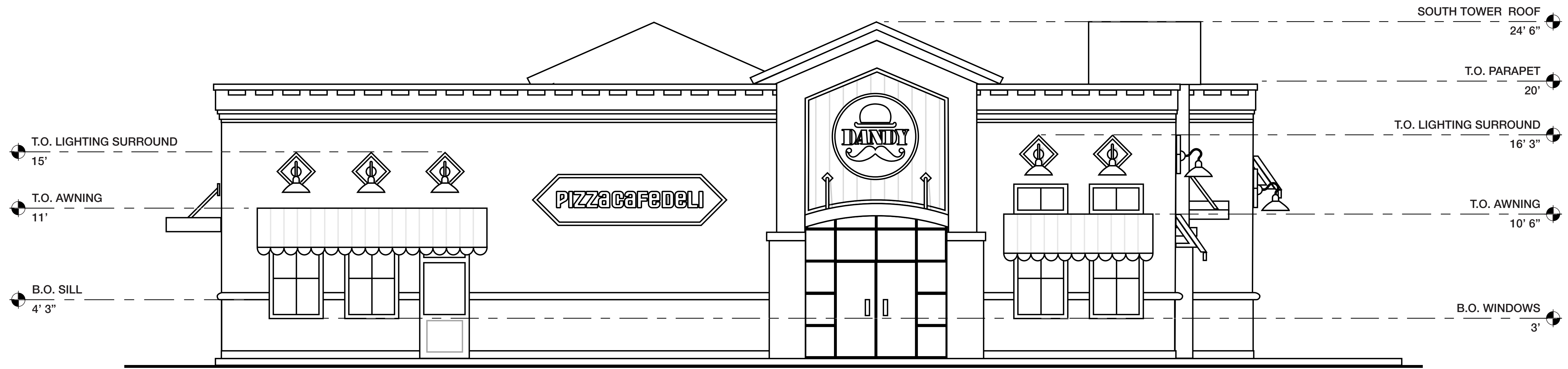
McGEE CORPORATION
 12100 Stallings Commerce Drive
 Blvd. P.O. Box 1375
 Matthews, NC 28105-1375
 Phone: (704) 882-1500
 Watts: (800) 526-5589

These prints are the property of McGee Corp.. Reproduction or reuse is prohibited without written permission.

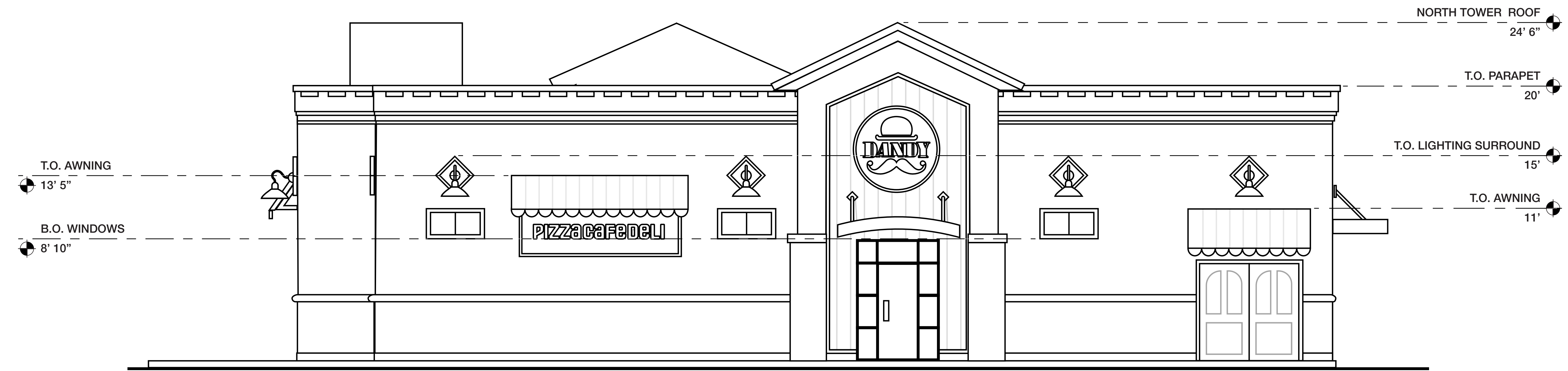
PR. JOB NO. DANDY MINI MART	FINAL JOB NO.	DRAWING NO. PO
--------------------------------	---------------	-------------------

SCALE: DATE: 12/2/2022	IN ACCORDANCE WITH REV. LETTER: _____	DRAWN BY: CHK'D BY:
---------------------------	---------------------------------------	------------------------

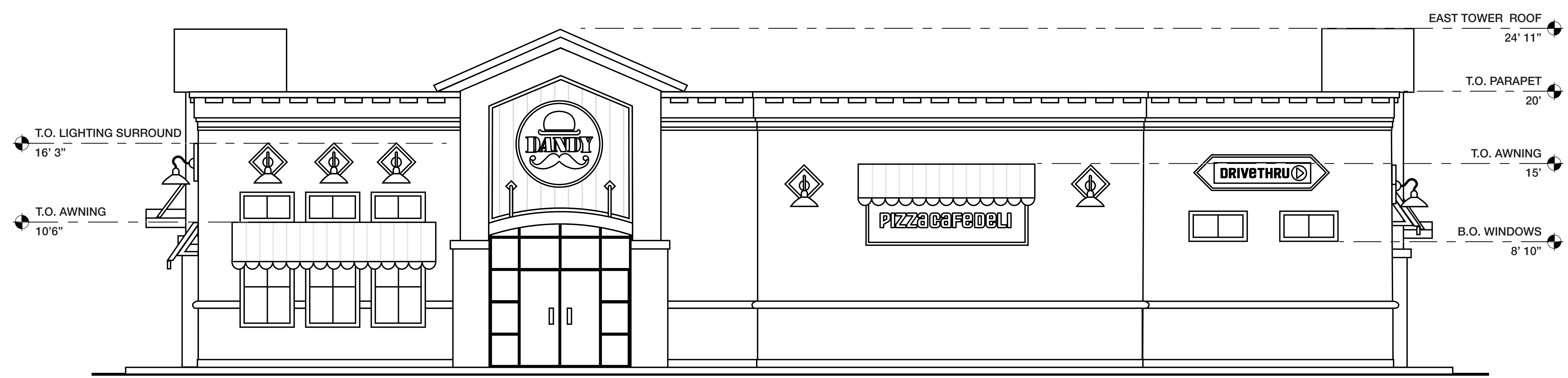
PRELIMINARY	SHEET NO. 1 of 1
-------------	---------------------



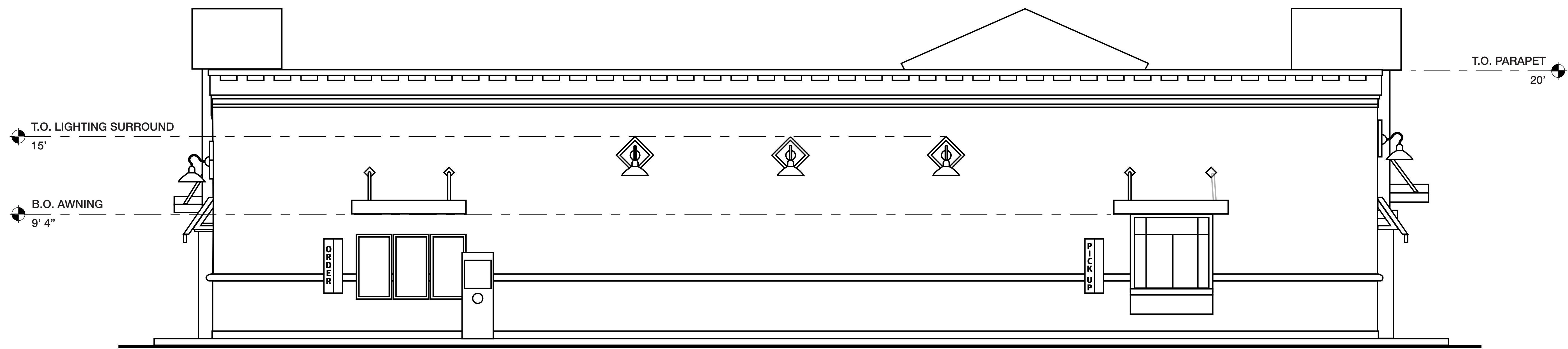
① SOUTH ELEVATION
1/4" = 1'-0"



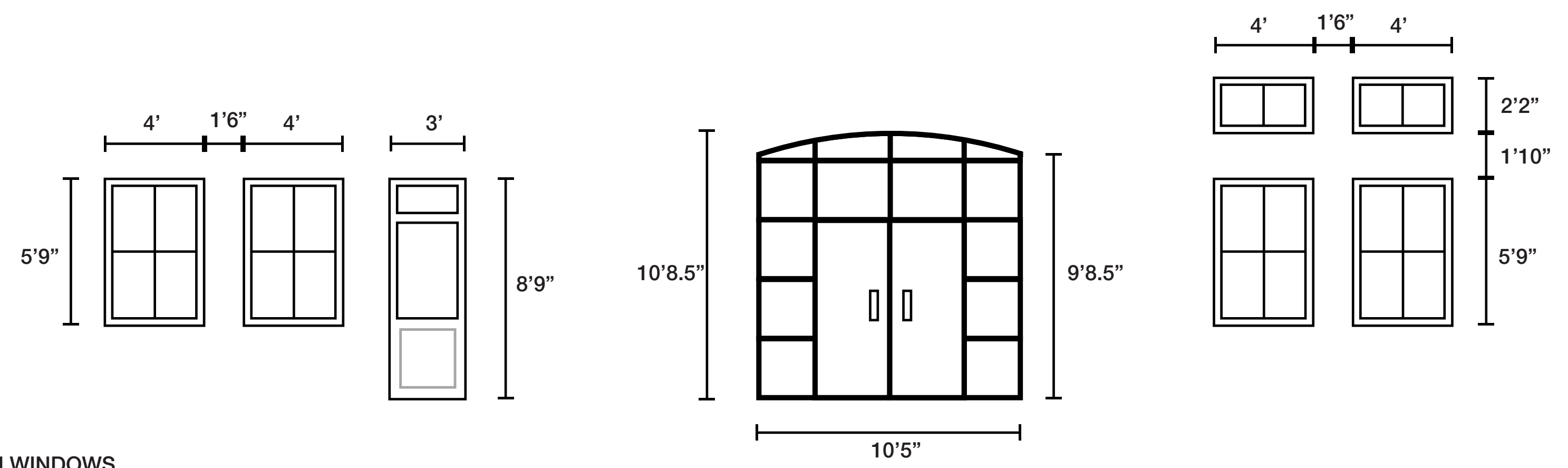
② NORTH ELEVATION
1/4" = 1'-0"



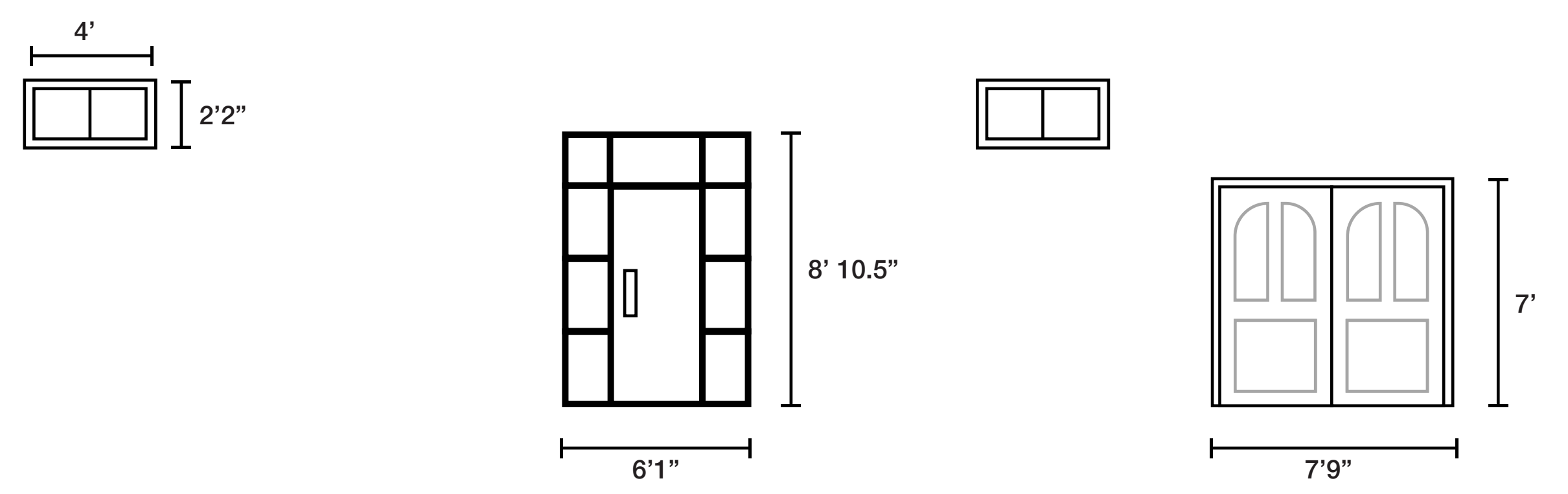
③ EAST ELEVATION
1/4" = 1'-0"



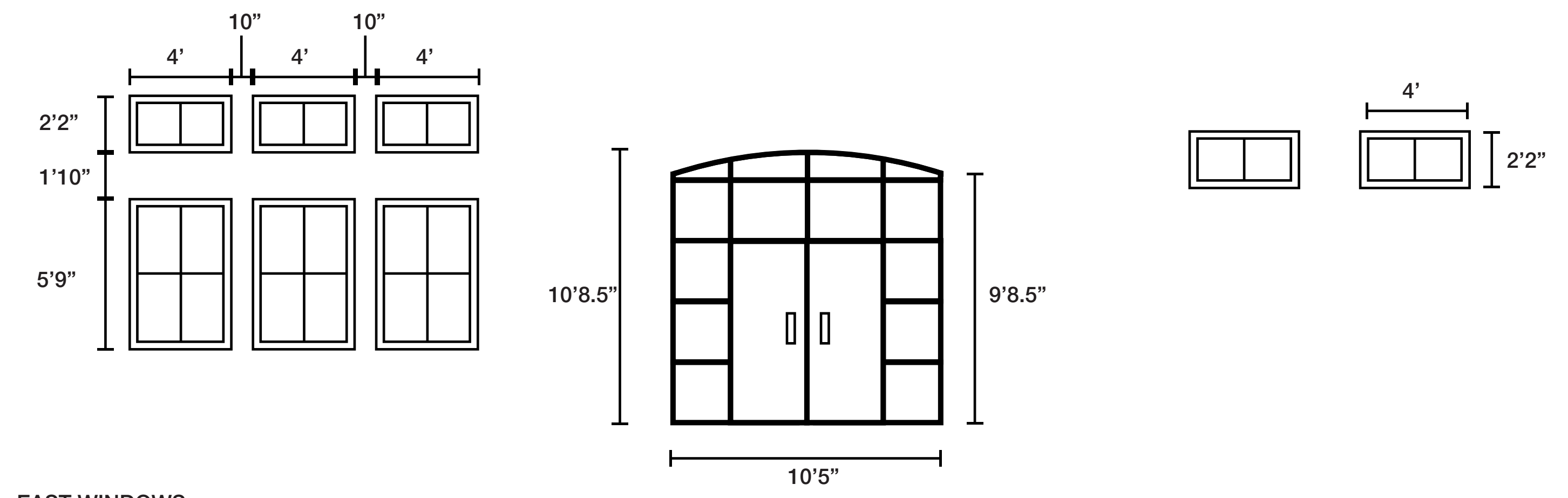
④ WEST ELEVATION
1/4" = 1'-0"



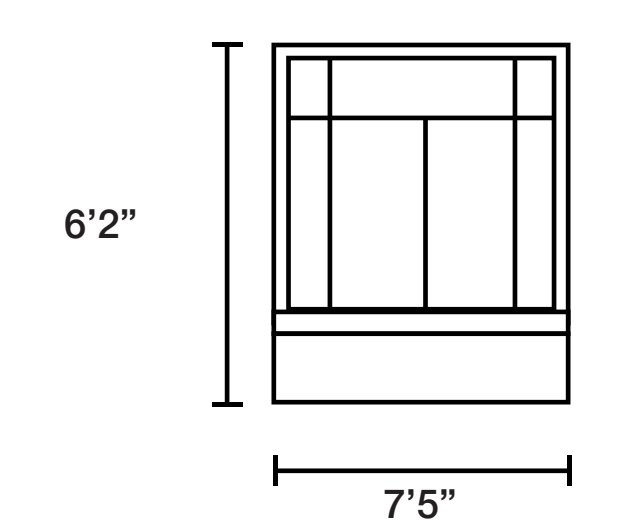
① SOUTH WINDOWS
1/4" = 1'-0"



② NORTH WINDOWS
1/4" = 1'-0"



③ EAST WINDOWS
1/4" = 1'-0"

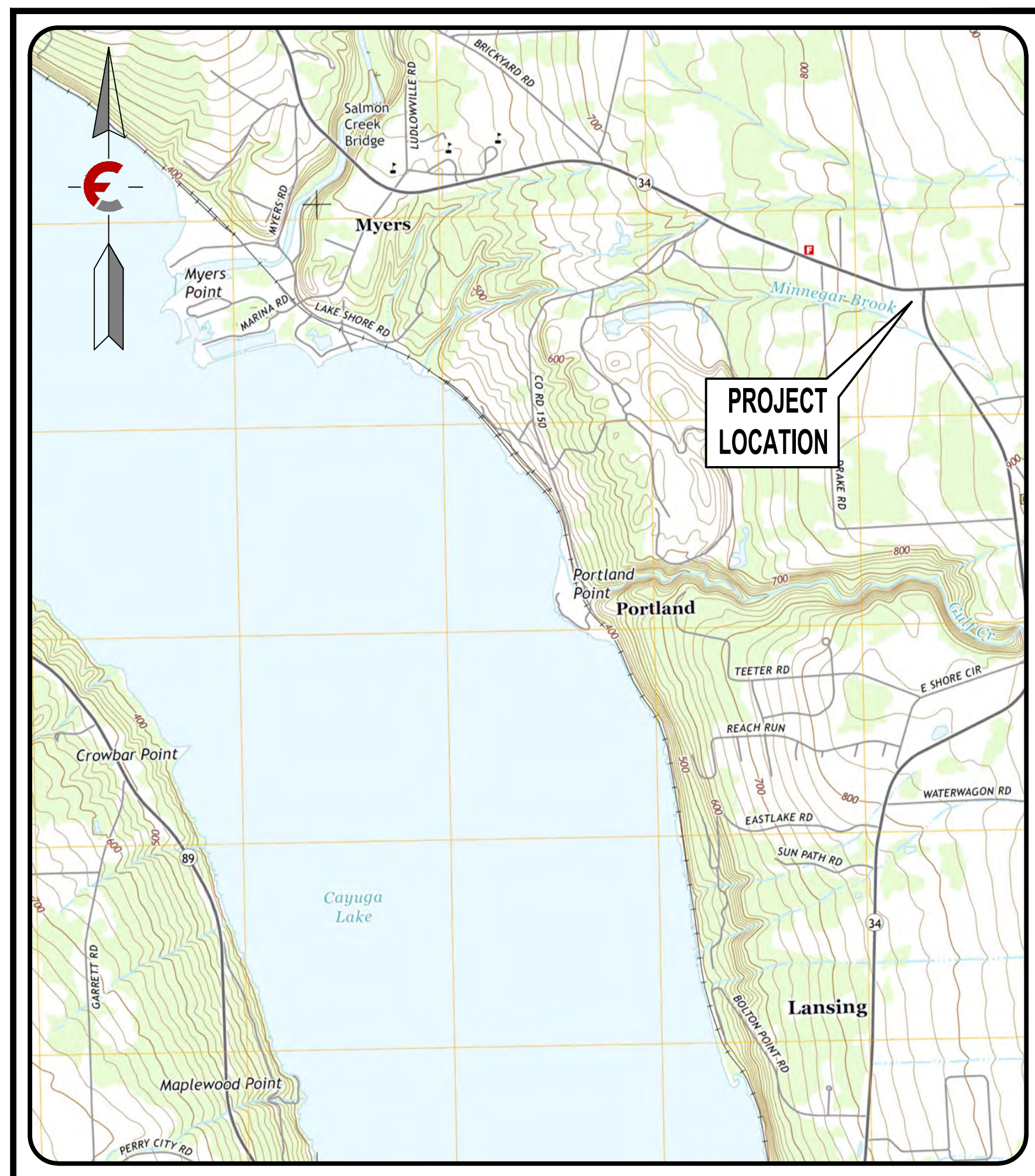


③ WEST WINDOWS
1/4" = 1'-0"

Site Plan Drawings For

PROPOSED DANDY MINI-MART

LANSING (T), TOMPKINS (Co.), NEW YORK



LOCATION MAP

November 30, 2020

Last Revised: December 14, 2022

PREPARED FOR:

JUST DANDY LLC
 6221 Mile Lane Road
 Sayre, PA 18840

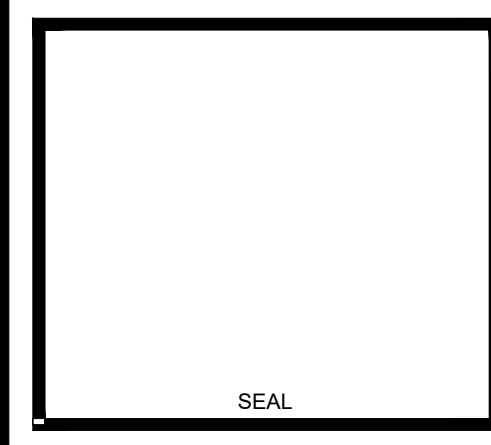
PROJECT LOCATION:

NYS Route 34B (Ridge Road)
Lansing, N.Y. 14850
Tax Map No. 31-6-9.1, 10, 11, 13, 14

INDEX OF DRAWINGS	
NO.	TITLE
C1	GENERAL NOTES
C2	EXISTING CONDITIONS
C2A	DEMOLITION PLAN
C3	SITE PLAN
C4	GRADING PLAN
C5	UTILITY PLAN
C6	SITE PROFILES
C7	LANDSCAPING PLAN
C8	PHOTOMETRICS PLAN
C9-C11	CIVIL DETAILS
C12-C13	SEWER DETAILS
C14-C16	STORMTECH DETAILS
C17	E & S PLAN
C18	E & S DETAILS
C19	NYS DOT WORKZONE DETAILS
C20	TRUCK TURNING PLAN
C21	PASSENGER CAR TURNING PLAN

Rev.	Date	Revision Description
8.	12/14/22	Site Plan Revisions
7.	11/28/22	Updated Sign/Utility Locations
6.	10/26/22	Per Town Comments
5.	06/16/22	Per NYS DOT Comments
4.	05/23/22	Revised Landscaping Plan
3.	05/03/22	Per NYS DOT Comments
2.	03/21/22	Preliminary Site Plan Submission
1.	07/29/21	Added Southern Fenceline

It is a Violation Of The New York Education Law, Article 145 Section 7209, For Any Person, Unless He 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 Seal And The Notation "Altered By" Followed By His Signature And The Date Of Such Alteration, And A Specific Description Of The Alteration.



**PROPOSED DANDY
 MINI-MART**
 LANSING (T), TOMPKINS (Co.), NEW YORK



Scale: As Noted
 11x17 Prints are 1/2 Size
 Date: November 30, 2020
 Design By: JBG, RSN
 Drawn By: RSN
 Checked By: JBG
 Project No.: 2020.062
 Drawing Name: 20062.dwg

TITLE

CO

FINAL PRINT
 Copyright © 2020 Fagan Engineers

I. GENERAL

- BASE MAPPING PREPARED BY WEILER ASSOCIATES PROJECT #16510T DATED 10/20/2020.
- THE PROJECT SITE DOES NOT CONTAIN FEMA DELINEATED FLOODWAYS OR FLOODPLAINS.
- THE PROJECT SITE DOES NOT CONTAIN FEDERALLY REGULATED WETLANDS ON-SITE, NOR ANY NWI MAPPED WETLANDS.
- MUNICIPAL WATER SERVICE PROVIDED BY BOLTON POINT.
- PROJECT SITE IS NOT SERVED BY PUBLIC SANITARY SEWER. SEPTIC SYSTEM TO BE REVIEW BY COUNTY HEALTH DEPARTMENT.
- THE CONTRACTOR'S SURVEYOR SHALL CHECK ALL HORIZONTAL AND VERTICAL CONTROL PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL PROMPTLY BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
- THE CONTRACTOR SHALL KEEP HIS OPERATIONS WITHIN THE PROJECT LIMITS OF DISTURBANCE.
- ALL DAMAGE TO PRIVATE PROPERTY OR UTILITIES (UNDER OR ABOVE GROUND) SHALL BE REPORTED TO THE OWNER OF RECORD AT ONCE.
- CONSTRUCTION ALONG CITY, TOWN, AND STATE ROADS SHALL CONFORM TO SPECIFICATIONS LISTED ON PERMITS ISSUED BY THE APPROPRIATE AGENCIES.
- SAFE AND CONTINUOUS THROUGH TRAFFIC, INGRESS AND EGRESS FOR ADJACENT OWNER DRIVEWAYS, SERVICE ROADS, PUBLIC STREETS, AND SIDEWALKS SHALL BE MAINTAINED THROUGHOUT THE PERIOD OF CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE THE LOCAL MUNICIPALITY AND NEW YORK STATE D.O.T. AN ACCEPTABLE MAINTENANCE AND PROTECTION OF TRAFFIC PLAN FOR CONSTRUCTION IN/ALONG/NEAR TOWN AND STATE ROADWAYS.
- HIGHWAY DRAINAGE, SIDE STREET DRAINAGE, SWALES, DITCHES, AND OTHER EXISTING DRAINAGE FACILITIES SHALL BE PROTECTED AND MAINTAINED IN ADEQUATE WORKING CONDITION DURING CONSTRUCTION. THE CONTRACTOR SHALL RESTORE ANY OF SUCH FACILITIES THAT ARE DAMAGED DURING CONSTRUCTION TO THE SATISFACTION OF THE OWNER OF THE INFRASTRUCTURE.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS NOT TO DISTURB AND/OR DAMAGE PROPERTY CORNERS (IRON PINS, HUBS, ECT.). ANY DISTURBED OR DAMAGED PROPERTY CORNERS SHALL BE REPLACED BY THE CONTRACTOR'S LICENSED LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE.
- ALL EXISTING UTILITIES SUCH AS ELECTRIC, GAS MAINS, AND TELEPHONE SHALL BE STAKED OUT BY THE UTILITY COMPANY PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL CALL NEW YORK STATE DIG SAFELY (1-800-962-7962) PRIOR TO CONSTRUCTION AND NOTIFY UTILITY COMPANIES FOR STAKEOUT.
- THE CONTRACTOR SHALL PROTECT EXISTING UTILITIES. IF UTILITIES ARE DAMAGED DURING CONSTRUCTION, THE CONTRACTOR SHALL REPAIR THESE TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE.
- EXISTING WATERMAIN LOCATIONS AND DEPTHS SHOWN ARE APPROXIMATE. EXISTING INDIVIDUAL WATER SERVICES ARE NOT SHOWN ON DRAWINGS.
- THE CONTRACTOR SHALL NOTIFY OWNER OF ALL IMPACTED MUNICIPAL WATER SYSTEMS, THE RESIDENT ENGINEER AND THE FIRE DEPARTMENT 48 HOURS IN ADVANCE PRIOR TO CONSTRUCTION ON AND INTERRUPTION OF SERVICE OF ANY WATERMANS. THE CONTRACTOR SHALL PROTECT ALL WATER SERVICE LINES AND PRIVATE WELLS. THE CONTRACTOR SHALL HAVE AMPLE SUPPLY OF REPAIR CLAMPS, COUPLINGS, AND PIPING FOR EMERGENCY REPAIRS.
- IN AREAS WHERE THE CONTRACTOR IS EXCAVATING NEAR ANY UTILITY POLES, THE CONTRACTOR SHALL BRACE AND/OR HOLD IN PLACE UNTIL EXCAVATED AREA IS BACKFILLED AND COMPACTED.
- THE CONTRACTOR IS RESPONSIBLE FOR THE PROPER DISPOSAL OF ALL REMOVED VEGETATION, SOIL AND OTHER DISTURBED DEBRIS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING AND MAINTAINING APPROPRIATE EROSION CONTROL MEASURES TO PREVENT SEDIMENT FROM MIGRATING OFF SITE, TO STORM SEWERS, OR ADJACENT ROADWAYS IN ACCORDANCE WITH THE APPROVED SWPPP.
- ALL EXCAVATIONS SHALL PROVIDE PROTECTION TO THE WORK FORCE AS PER THE CURRENT O.S.H.A. REQUIREMENTS, AS WELL AS ANY STATE AGENCY REQUIREMENTS.
- THE CONTRACTOR SHALL OBSERVE O.S.H.A. AND OTHER APPLICABLE SAFETY REQUIREMENTS. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR CONSTRUCTION SAFETY AT ALL TIMES.
- CONTRACTOR SHALL REVIEW SOIL BORING AND TESTING REPORTS TO DETERMINE SPECIAL CONDITIONS REQUIRED FOR CONSTRUCTION AND SUITABILITY OF ON-SITE SOILS FOR FILL MATERIAL AND FOR INFORMATION ON GROUNDWATER DEPTHS.
- ALL DISTURBED AREAS SHALL BE SEEDED ACCORDING TO THE REQUIREMENTS SPECIFIED ON SHEET C4.7 AND THE EROSION AND SEDIMENTATION CONTROL PLANS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING THE EROSION AND SEDIMENT CONTROL FEATURES PRIOR TO BULK EARTHMOVING ACTIVITIES.
- ALL LIGHT POLES, LIGHT FIXTURES AND ASSOCIATED CONDUIT SHALL BE PROVIDED AND INSTALLED UNDER A SEPARATE CONTRACT. THE SITE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH THE CONTRACTOR RESPONSIBLE FOR THIS WORK AND PROVIDE THE NECESSARY EXCAVATION AND BACKFILL FOR INSTALLATION OF THE TRENCHING. THE SITE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR SUPPLYING AND INSTALLING THE POLE BASES FOR ALL EXTERIOR LIGHTING FIXTURES.

II. SANITARY SEWERS

- SANITARY SEWERS, MANHOLES, CLEANOUTS, AND OTHER APPURTENANCES SHALL BE CONSTRUCTED, AND TESTED IN ACCORDANCE WITH LOCAL MUNICIPAL SPECIFICATIONS.
- SANITARY SEWERS SHALL BE SDR-35 PVC PIPE CONFORMING TO ASTM D-3034, WITH RUBBER GASKETED JOINTS CONFORMING TO ASTM D-3212 AND ASTM F-477.
- TESTED SANITARY SEWERS SHALL HAVE AN INFILTRATION RATE OF LESS THAN 100 GALLONS PER MILE PER INCH DIAMETER OF PIPE PER DAY.
- SANITARY SEWERS SHALL BE LAID WITH A STRAIGHT ALIGNMENT BETWEEN MANHOLES. AS PER THE RECOMMENDED STANDARDS FOR WASTEWATER FACILITIES, 2014 EDITION, SECTION 33.85 DEFLECTION TEST. THE TEST SHALL BE CONDUCTED AFTER THE FINAL BACKFILL HAS BEEN IN PLACE 30 DAYS. A RIGID BALL OR MANDREL USED FOR THE DEFLECTION TEST SHALL HAVE A DIAMETER NOT LESS THAN 95% OF THE BASE INSIDE DIAMETER OR AVERAGE INSIDE DIAMETER OF THE PIPE DEPENDING ON WHICH IS SPECIFIED IN THE ASTM SPECIFICATION, INCLUDING THE APPENDIX, TO WHICH THE PIPE IS MANUFACTURED.
- THE CONTRACTOR SHALL CONCRETE ENCASE THE SANITARY SEWER LINE OR FORCEMAIN AT ALL POINTS WHERE VERTICAL SEPARATION IS LESS THAN 18" AT CROSSINGS WITH STORM SEWER LINES.
- ANY POLYETHYLENE FORCEMAIN SHALL BE TYPE DR-11 WITH A PRESSURE RATING OF 128 PSI.

III. STORM SEWERS

- STORM SEWERS, MANHOLES, INLETS, DITCHES, AND OTHER SYSTEM COMPONENTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH MUNICIPAL SPECIFICATIONS.
- STORM SEWERS SHALL BE ADVANCED DRAINAGE SYSTEM'S ADS N-12 CORRUGATED, SMOOTH INTERIOR, HIGH DENSITY POLYETHYLENE (HDPE) PIPE. ADS N-12 STORM SEWER SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND ASTM D 2321.
- ALL FLARED-END SECTIONS SHALL BE GALVANIZED METAL END SECTIONS UNLESS OTHERWISE SPECIFIED.
- RIPRAP PADS AT STORM SEWER DISCHARGES SHALL CONSIST OF NYSDOT LIGHT STONE FILLING UNLESS OTHERWISE NOTED ON THE CONTRACT DRAWINGS.
- CROWN OF MULTIPLE PROPOSED STORM SEWER PIPES IS AT OR NEAR THE TOP OF THE SUBGRADE. CONTRACTOR SHALL PROTECT INTEGRITY OF ALL INSTALLED STORM SEWERS UNTIL SUFFICIENT COVER IS PLACED ON SAID PIPING.

IV. ACCESS ROADS AND PARKING AREA

- LIMING, FERTILIZING, SEEDING, AND MULCHING OF DISTURBED AREAS SHALL BE CONSISTENT WITH THE APPROVED SWPPP.
- SIGNAGE, PAVEMENT MARKINGS AND OTHER TRAFFIC CONTROL DEVICES SHALL BE IN CONFORMANCE TO THE NYSDOT'S MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
- ROADWAY EMBANKMENT: OBTAIN SUBGRADE ELEVATION BY COMPACTING ON-SITE SOILS IN MAXIMUM 8 INCH HORIZONTAL LIFTS. USE ON-SITE SOILS AS EMBANKMENT FILL THAT DO NOT CONTAIN ORGANIC OR DELETERIOUS MATERIALS, ARE NOT EXCESSIVELY WET OR FROZEN, OR THAT HAS COBBLES IN EXCESS OF 6 INCHES ALONG THE LONGEST DIMENSION. IF SUITABLE ON-SITE SOILS ARE NOT AVAILABLE, A WELL GRADED BANK-RUN APPROVED BY THE ENGINEER SHALL BE IMPORTED. THE BANK-RUN GRAVEL SHALL BE SOUND, DURABLE, FREE OF ORGANIC OR OTHER DELETERIOUS MATERIAL, WITH NO MORE THAN 10 PERCENT BY WEIGHT FINER THAN NO. 200 SIEVE. ADJUST THE MOISTURE CONTENT OF THE EMBANKMENT FILL (WHETHER ON-SITE OR OTHERWISE) TO WITHIN 2% OF OPTIMUM BY EITHER AIR DRYING OR THROUGH THE ADDITION OF WATER PRIOR TO COMPACTION. SPREAD WET FILL IN AN 8 INCH LOOSE LIFT AND DISC TO EXPEDITE AIR DRYING.
- ROADWAY EXCAVATION: EXCAVATE SUBSOIL TO THE DEPTH REQUIRED TO PROVIDE A UNIFORM SURFACE OF SOLID UNDISTURBED GROUND FOR THE PLACEMENT OF AGGREGATE SUBBASE COURSE.
- FILL, SUBGRADE, AND SUBBASE SHALL BE COMPACTED TO OR ABOVE 95 PERCENT 'MODIFIED PROCTOR' DENSITY WITH A SMOOTH DRUM ROLLER, OR OTHER SUFFICIENT COMPACTION EQUIPMENT, WEIGHING AT LEAST 7 TONS. OPERATE COMPACTOR IN THE STATIC MODE FOR COMPACTION OF SILTY SOILS AND IN THE VIBRATORY MODE FOR ALL OTHER MATERIALS.
- SUBBASE MATERIAL SHALL BE PLACED IN MAXIMUM 6 INCH AND MINIMUM 3 INCH HORIZONTAL LIFTS. MAINTAIN OPTIMUM MOISTURE CONTENT FOR COMPACTION.
- WHEREVER GROUNDWATER SEEPAGE IS ENCOUNTERED, INSTALL UNDERDRAINS BELOW THE SUBBASE. LAP UNDERDRAIN FABRIC WITH SUBBASE FABRIC.
- BELOW THE SUBBASE, PROVIDE A SOIL STABILIZATION GEOTEXTILE FABRIC, SUBJECT TO THE ACCEPTANCE OF THE HIGHWAY SUPERINTENDENT, WITH THE FOLLOWING CERTIFIABLE PROPERTY VALUES: MINIMUM PUNCTURE STRENGTH OF 125 LBS., MINIMUM MULLEN BURST STRENGTH OF 430 PSI, MINIMUM GRAB TENSILE STRENGTH OF 220 LBS., AND MAXIMUM APPARENT OPENING SIZE OF 40-80 SIEVE.

V. PUBLIC WATER

- WATERMANS, WATER SERVICES, FIRE HYDRANTS, AND OTHER APPURTENANCES SHALL BE CONSTRUCTED, TESTED, AND DISINFECTED IN ACCORDANCE WITH THE OWNER'S SPECIFICATIONS FOR WATERMAIN EXTENSIONS. WATERMAIN AND APPURTENANCE MATERIALS AND INSTALLATION SHALL COMPLY WITH NYSODH STANDARDS AND AWWA STANDARD C600-93.
- DUCTILE IRON PIPE SHALL BE CLASS 52, AND SHALL CONFORM IN ALL ASPECTS TO AWWA C-151. FITTING SHALL CONFORM IN ALL ASPECTS TO AWWA C-11- OR TO COMPACT FITTINGS AWWA C-153. ALL SHALL BE FURNISHED WITH CEMENT MORTAR LINING IN CONFORMANCE WITH AWWA C-104. PIPES SHALL HAVE GASKETED, PUSH-ON, JOINTS CONFORMING TO AWWA C-111
- THE MINIMUM HORIZONTAL SEPARATION DISTANCE BETWEEN WATER AND ANY TYPE OF SEWER UTILITIES (SANITARY OR STORM) SHALL BE 10 FEET, MEASURED FROM OUTSIDE WALL TO OUTSIDE WALL OF THE MAINS. THE MINIMUM VERTICAL SEPARATION DISTANCE AT THE POINT OF CROSSING SHALL BE 18 INCHES, ALSO MEASURED FROM OUTSIDE WALL TO OUTSIDE WALL.
- WATERMAIN SHALL BE INSTALLED AT A CONTINUOUS UPWARD GRADE TO A POINT OF AIR RELEASE. POINTS OF AIR RELEASE INCLUDE WATER INCLUDE WATER SERVICES, FIRE HYDRANTS, AND BLOW-OFF VALVES.
- SAMPLING REQUIREMENTS FOR THE DISINFECTION OF WATERMANS SHALL BE CONSISTENT WITH AWWA STANDARD C651-92, SECTION 5.2 CONTINUOUS FEED METHOD, DISINFECTING WATERMANS. AFTER FINAL FLUSHING AND BEFORE THE NEW WATERMAIN IS IN OPERATION, TWO CONSECUTIVE SAMPLES TAKEN 24 HOURS APART, SHALL BE COLLECTED FROM THE NEW WATERMAIN. AT LEAST ONE SET OF SAMPLES SHALL BE COLLECTED FROM EVERY 1200 LINEAR FEET OF WATERMAIN, PLUS ONE SET FROM THE END OF LINES AND EACH BRANCH.
- FITTINGS SHALL BE DUCTILE IRON WITH MECHANICAL JOINTS.
- HYDRANTS SHALL CONFORM TO WATER SYSTEMS SPECIFICATIONS WITH A 5' BURY, OPEN LEFT, TRAFFIC TYPE GROUND FLANGE, 6" INLET, (1) 4-1/2" NST STEAMER NOZZLE, (2) 2-1/2" NST HOSE NOZZLES MECHANICAL JOINT CONNECTION, 5" HYDRANT VALVE SEAT, AND A PENTAGON OPERATING NUT. THE HYDRANTS SHALL CONFORM TO AWWA C-502.
- MAIN VALVES SHALL BE MECHANICAL JOINTS, RESILIENT SEAT, GATE, 2" OPERATING NUT, OPEN LEFT, WITH STAINLESS STEEL BONNET AND PACKING BOLTS AND NUTS. THE VALVES SHALL CONFORM TO AWWA C-509.
- MAIN VALVE BOXES SHALL BE 5-1/4", SCREW TYPE, WITH CAST IRON LIDS MARKED "WATER."
- ALL NEW AND ALTERED EXISTING WATERMANS SHALL BE PRESSURE AND LEAKAGE TESTED IN ACCORDANCE WITH THE LATEST REVISION OF AWWA STANDARD C-600-93 (LATEST REVISION).
- THE FOLLOWING MINIMUM SEPARATION DISTANCES BETWEEN GAS LINES AND WATER LINES ARE RECOMMENDED. OTHER MORE STRINGENT SEPARATION DISTANCES MAY APPLY.
HORIZONTAL- 5 FEET
VERTICAL- 2 FEET

VI. WATER WELL DECOMMISSIONING

- PRIOR TO CONDUCTING WELL DECOMMISSIONING, MUNICIPAL AUTHORITIES SHOULD BE CONTACTED TO DETERMINE IF THERE ARE LOCAL REGULATIONS REGARDING THIS ACTIVITY.
- NYSDEC'S WATER WELL ABANDONMENT AND DECOMMISSIONING REPORT SHALL BE FILLED OUT WHEN AN ACTIVE WELL BECOMES INACTIVE OR IS DECOMMISSIONED.
- COMPLETE AND ACCURATE WRITTEN RECORDS OF DECOMMISSIONING OPERATIONS SHOULD BE MAINTAINED. THE INFORMATION TO BE RECORDED SHOULD INCLUDE THE ORIGINAL WELL LOG AND/OR CONSTRUCTION RECORD, THE TYPE OF GROUTING MATERIAL USED, VOLUME OF MATERIAL USED, AND METHOD OF PLACING GROUTING MATERIAL INTO THE WELL. UPON DECOMMISSIONING A WELL, THE RECORD OF SUCH ACTION SHOULD BE SENT TO THE BUREAU OF WATER RESOURCE MANAGEMENT, 625 BROADWAY, ALBANY, NY 12233-3508.
- REMOVE EQUIPMENT, MATERIALS, DEBRIS, AND OBSTRUCTIONS THAT MAY INTERFERE WITH SEALING OF THE WELL OR BORING. THIS MAY INCLUDE PUMPING EQUIPMENT, DROP PIPE, PACKERS, ETC..
- THE WELL SHOULD BE DISINFECTED USING A SOLUTION OF CALCIUM HYPOCHLORITE, SUCH AS HTH, CONTAINING APPROXIMATELY 65% TO 75% AVAILABLE CHLORINE. COMMON HOUSEHOLD BLEACH MAY BE TOO WEAK. CALCIUM HYPOCHLORITE PRODUCTS CONTAINING FUNGICIDES, ALGICIDES, OR OTHER DISINFECTANTS SHOULD BE AVOIDED.
- APPROPRIATE MEASUREMENTS SHOULD BE MADE TO VERIFY THE DEPTH OF THE WELL. CASING WITH AN OPEN ANNUAL SPACE SHOULD BE EITHER GROUDED IN PLACE OR REMOVED. FOR CASING REMOVED FROM A COLLAPSING FORMATION, GROUT SHOULD BE PUMPED THROUGH A TREMIE PIPE SO THAT DURING ITS REMOVAL THE BOTTOM OF THE CASING REMAINS SUBMERGED IN GROUT.
 - WHERE CASING IS GROUDED IN PLACE, THE CASING SHOULD BE CUT OFF AT LEAST 24 INCHES BELOW GRADE, WHERE PRACTICABLE. FOR WELLS LOCATED IN A BUILDING, UPON COMPLETION OF GROUDED THE CASING SHOULD BE FILLED TO FLOOR LEVEL WITH NO LESS THAN 12 INCHES OF CEMENT. CASING SHOULD BE CUT OFF NOT MORE THAN 3 INCHES FROM FLOOR LEVEL. FOR WELLS TERMINATING IN A WELL PIT, CASING SHOULD BE CUT OFF NOT LESS THAN TWELVE INCHES BELOW THE GRADE ESTABLISHED WHEN THE PIT IS FILLED.
 - AFTER THE GROUT HAS CONSOLIDATED, THE TOP OF THE CASING SHOULD BE CLOSED AND SEALED. STEEL CASINGS SHOULD BE SEALED WITH A WELDED STEEL PLATE; PVC CASINGS WITH A PERMANENTLY AFFIXED PVC CAP.
- THE PORTION(S) OF THE WELL OCCUPIED BY THE WELL SCREEN SHOULD BE FILLED WITH CLEAN SAND OR GRAVEL (DEFINED AS BEING RELATIVELY FREE OF CLAY AND ORGANIC MATTER). THE FILLING SHOULD BE NO LESS PERMEABLE THAN THE FORMATION SURROUNDING THE WELL SCREEN AND SHOULD EXTEND NO MORE THAN THREE FEET ABOVE THE TOP OF THE SCREEN.
- THE ENTIRE CASING, INCLUDING RISER ANNUAL SPACES BETWEEN CASINGS SHOULD BE FILLED. SEALING MATERIALS SHOULD HAVE BEARING STRENGTH SUFFICIENT TO PREVENT SUBSIDENCE AND SUPPORT TRAFFIC OR BUILDING LOADS. NOTE THAT THE USE OF TOO MUCH BENTONITE IN THE GROUT MIX CAN LEAD TO EXCESSIVE SHRINKAGE AND CRACKING.
 - SLURRY MIXTURE AND PUMPING - WHEN A BENTONITE SLURRY, NEAT CEMENT SLURRY OR CONCRETE SLURRY IS USED, IT SHOULD BE PLACED INTO THE WELL UNDER PRESSURE VIA A TREMIE PIPE OF AT LEAST ONE INCH INSIDE DIAMETER. AT THE START OF OPERATIONS, THE TREMIE PIPE IS PLACED AT THE BOTTOM OF THE WELL TO AVOID SEGREGATION OR DILUTION OF SEALING MATERIALS. THE TREMIE PIPE SHOULD BE SUBMERGED IN THE SLURRY AT ALL TIMES DURING SLURRY PLACEMENT. THE TREMIE PIPE MAY BE RAISED SLOWLY AS GROUT IS INTRODUCED TO THE CASING OR HOLE. PLACING OF GROUT SHOULD BE CONTINUOUS UNTIL GROUT APPEARS AT THE TOP OF THE CASING, AT WHICH TIME THE TREMIE PIPE MAY BE REMOVED. IF THE TREMIE PIPE REMAINS AT THE BOTTOM OF THE WELL DURING GROUT EMPACEMENT, REMOVE THE PIPE PRIOR TO GROUT HARDENING.
 - CEMENT SLURRIES - NEAT CEMENT OR CONCRETE SLURRIES SHOULD BE PREPARED BY ADDING CEMENT OR SAND-AND-CEMENT TO THE CALCULATED REQUIRED VOLUME OF CLEAN WATER. THE MATERIAL SHOULD BE ADEQUATELY MIXED UNTIL IS FREE OF LUMPS, THEN IMMEDIATELY PUMPED INTO THE WELL WITHOUT DELAY.
 - COARSE GRADE OR PELLETIZED BENTONITE - WHERE COARSE GRADE OR PELLETIZED BENTONITE IS USED, IT SHOULD BE Poured SLOWLY INTO THE TOP OF THE WELL TO AVOID BRIDGING OF MATERIAL IN THE CASING OR BOREHOLE. PELLETS OR COARSE BENTONITE SHOULD BE PLACED INTO THE WELL BY POURING AT AN EVEN RATE NOT TO EXCEED FIFTY POUNDS PER FINE MINUTE INTERVAL. FINE BENTONITE PARTICLES WHICH ACCUMULATE IN THE BOTTOM OF THE SHIPPING CONTAINER SHOULD NOT BE USED. A WORK PIPE OR WEIGHTED DROP STRING SHOULD BE PLACED IN THE WELL AND THE HEIGHT OF ACCUMULATED PLUGGING MATERIAL MEASURED AFTER EACH 50 POUNDS OF BENTONITE IS PLACED IN THE WELL. IF MEASUREMENT INDICATES THAT BRIDGING OF PLUGGING MATERIAL HAS OCCURRED, A WORK PIPE, DRILL RODS, OR OTHER WEIGHTED DEVICE SHOULD BE RUN INTO THE CASING TO BREAK THE BRIDGE. THE PLUGGING OPERATION SHOULD CONTINUE UNTIL THE BENTONITE APPEARS AT THE SURFACE. WATER SHOULD THEN BE PLACED INTO THE CASING TO PROMOTE EXPANSION OF THE BETONITE ABOVE THE STATIC WATER LEVEL.
 - ADDITIONAL SEALING RECOMMENDATIONS FOR WELLS OR BORINGS IN UNCONSOLIDATED MATERIALS.
 - IT IS RECOMMENDED THAT THE PORTION OF A WELL ADJACENT TO UNCONSOLIDATED MATERIAL BE FILLED WITH BENTONITE GROUT, HIGH SOLIDS BENTONITE GROUT, OR NEAT CEMENT GROUT. CONCRETE GROUT IS MOST APPROPRIATE FOR GROUTING IN THE DRY PORTION OF THE HOLE.
 - A DUG WELL 16 INCHES OR GREATER IN DIAMETER MAY BE SEALED BY POURING AT A RATE SUFFICIENT TO COMPLETELY FILL THE WELL WITHOUT BRIDGING USING:
 - UNIFORMLY MIXED DRY BENTONITE POWDER OR GRANULAR BENTONITE AND SAND IN A RATIO OF ONE PART BENTONITE TO FIVE PARTS SAND;
 - A CLEAN UNCONSOLIDATED MATERIALS WITH A PERMEABILITY OF 10-6 CENTIMETERS PER SECOND OR LESS; OR
 - CONCRETE GROUT.
 - ADDITIONAL SEALING RECOMMENDATIONS FOR WELLS OR BORINGS IN ROCK - LOST CIRCULATION CAN OCCUR WHEN SEALING A BEDROCK WELL THAT INTERSECTS FRACTURES. CARE MUST BE TAKEN TO BRIDGE OR SEAL FRACTURES TO PREVENT EXCESSIVE LOSS OF GROUT AND ENSURE THAT THE FRACTURE IS SEALED. APPLICATION OF LOST CIRCULATION PREVENTION METHODS MAY BE REQUIRED. ANY MATERIALS ADDED TO A CEMENT OR BENTONITE SLURRY FOR THIS PURPOSE MUST NOT POSE A CONTAMINATION RISK TO GROUNDWATER. WELLS PENETRATING CAVERNOUS ROCK MAY REQUIRE PLACEMENT OF A BRIDGE IN COMPETENT ROCK OVER THE VOID. GROUT IS THEN PLACED ABOVE THE BRIDGE.
- FOR FLOWING WELLS THE INTEGRITY OF THE EXTERIOR CASING SEAL SHOULD BE TESTED PRIOR TO DECOMMISSIONING THE WELL. TO TEST THE SEAL, THE WELL SHOULD BE CAPPED FOR A PERIOD OF ONE WEEK AND CHECKED FOR ANY LEAKAGE AROUND THE OUTSIDE OF THE CASING. IF LEAKAGE OCCURS, THE CASING EXTERIOR MUST BE RESEALED PRIOR TO WELL DECOMMISSIONING. ONCE LEAKAGE HAS BEEN ELIMINATED, THE INTERIOR OF THE WELL CASING SHOULD BE PRESSURE GROUDED. THE DEPARTMENT SHOULD BE NOTIFIED WHEN A WELL CANNOT BE SEALED AS DESCRIBED. ALTERNATIVELY, AND DEPENDING ON THE PRESSURE HEAD, THE CASING CAN BE EXTENDED UPWARD UNTIL NO WATER FLOWS OVER THE TOP. FOR GENERAL INFORMATION ON FLOWING WELLS, SEE THE FLOWING WELL HANDBOOK, PUBLISHED BY THE MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY.
- WELL PITS SHOULD BE FILLED WITH CLEAN SOIL TO THE ESTABLISHED GRADE LEVEL. UPON COMPLETION OF WELL DECOMMISSIONING, THE SITE SHOULD BE RESTORED TO A CONDITION THAT REASONABLY APPROACHES THE ORIGINAL CONDITION OF THE PROPERTY PRIOR TO THE START OF WORK. THE WORK AREA SHOULD BE GRADED TO CONFORM TO EXISTING GROUND CONTOURS. ALL MATERIALS, DEBRIS, TOOLS, MACHINERY, SEALING MATERIAL, GREASE, OR OTHER MATERIALS WHICH HAVE ACCUMULATED AT THE SITE SHOULD BE REMOVED AND/OR DISPOSED OF PROPERLY AND IN ACCORDANCE WITH LAW.

LEGEND

	PROPERTY LINE
	EXISTING EASEMENT
	EXISTING EDGE OF ROADWAY
	EXISTING CURB LINE
	EXISTING SANITARY SEWER
	EXISTING GAS MAIN
	EXISTING UTILITY LINE
	EXISTING FENCE LINE
	EXISTING WATER LINE
	EXISTING CONTOUR LINE
	PROPOSED LIMIT OF DISTURBANCE
	PROPOSED CONTOUR LINE
	PROPOSED EASEMENT
	PROPOSED STORM SEWER
	PROPOSED EDGE OF ROADWAY
	PROPOSED CURB LINE
	PROPOSED SANITARY SEWER
	PROPOSED GAS LINE
	PROPOSED UTILITY LINE
	PROPOSED WATER LINE
	PROPOSED SILT FENCE
	PROPOSED COMPOST SOCK
	EXISTING SANITARY MANHOLE
	EXISTING FIRE HYDRANT ASSEMBLY
	EXISTING CLEANOUT
	EXISTING SPOT ELEVATION
	PROPOSED SANITARY MANHOLE
	PROPOSED WATER VALVE
	PROPOSED THRUST BLOCK
	PROPOSED FIRE HYDRANT ASSEMBLY
	PROPOSED CLEANOUT
	PROPOSED LIGHTING FIXTURE
	PROPOSED SPOT ELEVATION
	PROPOSED DRY WELL
	PROPOSED CATCH BASIN
	PROPOSED INLET PROTECTION
	PROPOSED TOP/BOTTOM CURB

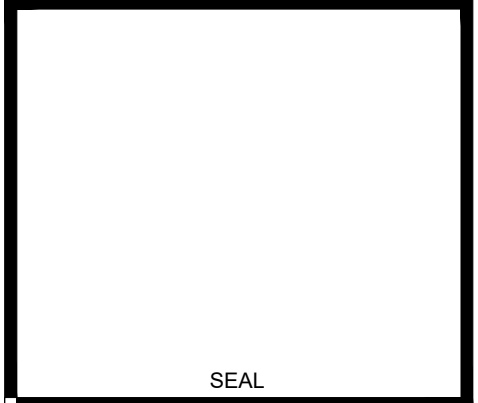
Note:
Utility information has been plotted from available sources and their locations and size should be considered approximate only. The contractor is responsible for determining exact utility locations, sizes, and elevations prior to commencing construction. If uncharted or misplotted utilities are encountered, the contractor is notified to notify the owner immediately.

New York State law requires excavators to contact the one-call notification system prior to digging to prevent damage to buried facilities.
IT'S THE LAW!
Call three days before you dig!
1-800-962-7962
Dig Safely New York
(non-members must be contacted separately)

FINAL PRINT
Copyright © 2020 Fagan Engineers

Rev.	Date	Revision Description
8.	12/14/22	Site Plan Revisions
7.	11/28/22	Updated Sign/Utility Locations
6.	10/26/22	Per Town Comments
5.	06/16/22	Per NYS DOT Comments
4.	05/23/22	Revised Landscaping Plan
3.	05/03/22	Per NYS DOT Comments
2.	03/21/22	Preliminary Site Plan Submission
1.	07/29/21	Added Southern Fenceline

It is a Violation Of The New York Education Law, Article 145 Section 7209, For Any Person, Unless He 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 Seal And The Notation "Altered By" Followed By His Signature And The Date Of Such Alteration, And A Specific Description Of The Alteration.



PROPOSED DANDY MINI-MART
LANSGING (T), TOMPKINS (Co.), NEW YORK

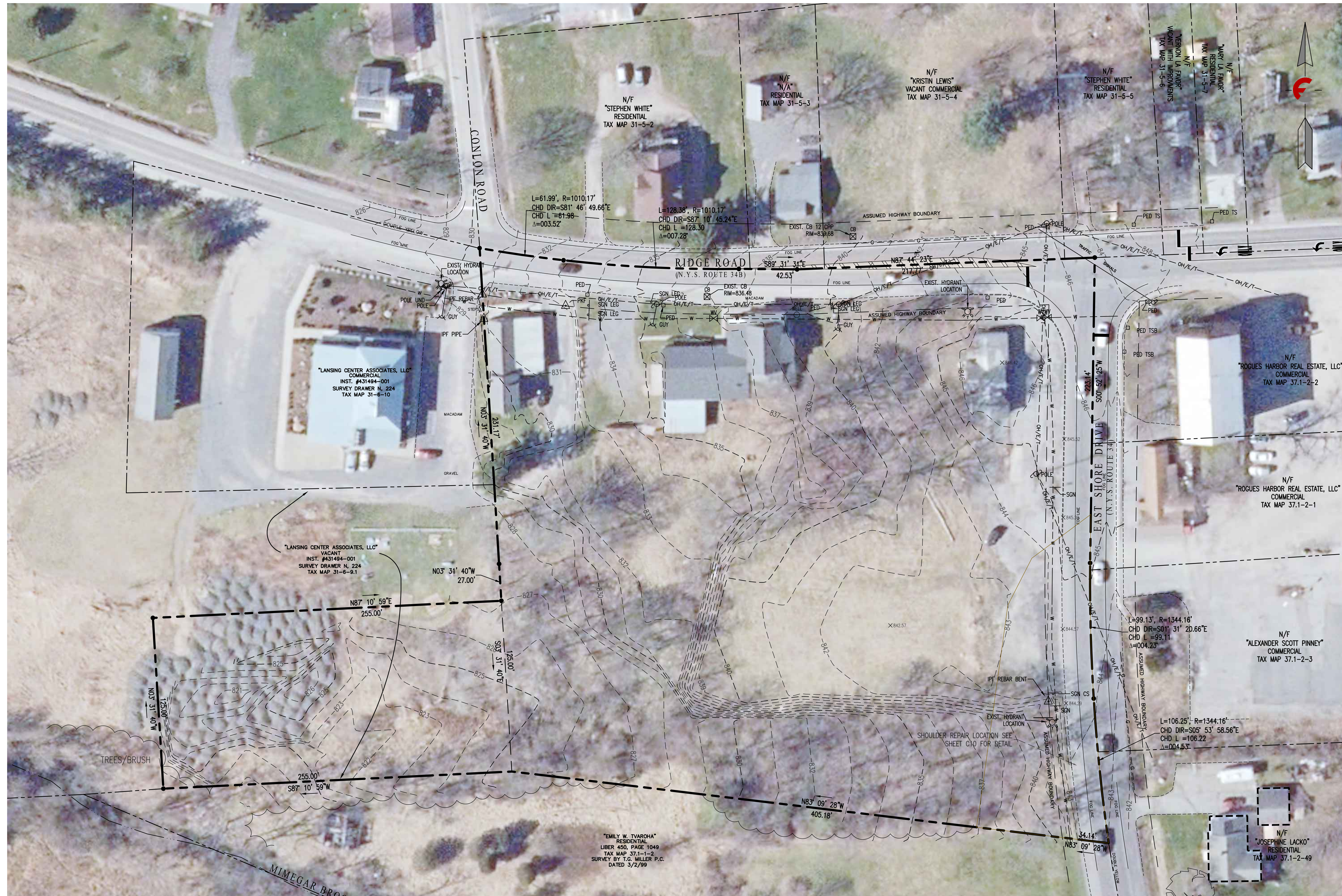
FAGAN ENGINEERS
S & LAND SURVEYORS PC

113 East Chemung Place
Elmira N.Y. 14904
Phone (607) 734-2165
Fax (607) 734-2169
www.FaganEngineers.com

Scale:	11x17 Prints are 1/2 Size	#####
Date:	November 30, 2020	
Design By:	JBG, RSN	
Drawn By:	RSN	
Checked By:	JBG	
Project No.:	2020.062	
Drawing Name:	20062.dwg	

GENERAL NOTES

C1



LEGEND

---	PROPERTY LINE
- - - -	EXISTING EASEMENT
- - - - -	EXISTING EDGE OF ROADWAY
- - - - -	EXISTING CURB LINE
---SN---	EXISTING SANITARY SEWER
---G---	EXISTING GAS MAIN
---UG/E/T/C---	EXISTING UTILITY LINE
---X---	EXISTING FENCE LINE
---	EXISTING WATER LINE
---	EXISTING CONTOUR LINE
---	PROPOSED LIMIT OF DISTURBANCE
---	PROPOSED CONTOUR LINE
---	PROPOSED EASEMENT
---	PROPOSED STORM SEWER
---	PROPOSED EDGE OF ROADWAY
---	PROPOSED CURB LINE
---	PROPOSED SANITARY SEWER
---	PROPOSED GAS LINE
---	PROPOSED UTILITY LINE
---	PROPOSED WATER LINE
---	PROPOSED SILT FENCE
---	PROPOSED COMPOST SOCK
CS	EXISTING SANITARY MANHOLE
CS	EXISTING FIRE HYDRANT ASSEMBLY
CS	EXISTING CLEANOUT
99.50 x	EXISTING SPOT ELEVATION
SM	PROPOSED SANITARY MANHOLE
WV	PROPOSED WATER VALVE
TB	PROPOSED THRUST BLOCK
CS	PROPOSED FIRE HYDRANT ASSEMBLY
CS	PROPOSED CLEANOUT
+	PROPOSED LIGHTING FIXTURE
X 98.42	PROPOSED SPOT ELEVATION
DB	PROPOSED DRYWELL
CB	PROPOSED CATCH BASIN
IP	PROPOSED INLET PROTECTION
10-100.50 8-100.00	PROPOSED TOP/BOTTOM CURB

- PLAN NOTES:**
- BASE MAPPING PREPARED BY WEILER ASSOCIATES PROJECT #16510T DATED 10/20/2020.
 - FLOODPLANE DESIGNATION - ZONE C
 - UNIQUE NATURAL AREAS - N/A
 - NEW YORK STATE WETLANDS - N/A
 - FEDERAL WETLANDS - N/A

Note:
Utility information has been plotted from available sources and their locations and size should be considered approximate only. The contractor is responsible for determining exact utility locations, sizes, and elevations prior to commencing construction. If uncharted or misplotted utilities are encountered, the contractor is required to notify the owner immediately.

New York State law requires excavators to contact the one-call notification system prior to digging to prevent damage to buried facilities.
IT'S THE LAW!
Call three days before you dig!
1-800-962-7962
Dig Safely New York
(non-members must be contacted separately)

FINAL PRINT
Copyright © 2020 Fagan Engineers

Site Plan Revisions

Rev.	Date	Revision Description
8.	12/14/22	Updated Sign/Utility Locations
7.	11/28/22	Per NYSDOT Comments
6.	10/26/22	Per NYSDOT Comments
5.	06/16/22	Per NYSDOT Comments
4.	05/23/22	Revised Landscaping Plan
3.	05/03/22	Per NYSDOT Comments
2.	03/21/22	Preliminary Site Plan Submission
1.	07/29/21	Added Southern Fenceline

It is a Violation Of The New York Education Law, Article 145 Section 7209, For Any Person, Unless He 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 Seal And The Notation "Altered By" Followed By His Signature And The Date Of Such Alteration, And A Specific Description Of The Alteration.

SEAL

PROPOSED DANDY MINI-MART
LANSING (T), TOMPKINS (Co.), NEW YORK

113 East Chemung Place
Elmira N.Y. 14904
Phone (607) 734-2165
Fax (607) 734-2169
www.FaganEngineers.com

Scale: 1" = 40'
11x17 Prints are 1/2 Size

Date:	November 30, 2020
Design By:	JBG, RSN
Drawn By:	RSN
Checked By:	JBG
Project No.:	2020.062
Drawing Name:	20062.dwg

EXISTING CONDITIONS

C2



LEGEND

---	PROPERTY LINE
---	EXISTING EASEMENT
---	EXISTING EDGE OF ROADWAY
---	EXISTING CURB LINE
---	EXISTING SANITARY SEWER
---	EXISTING GAS MAIN
---	EXISTING UTILITY LINE
---	EXISTING FENCE LINE
---	EXISTING WATER LINE
---	EXISTING CONTOUR LINE
---	PROPOSED LIMIT OF DISTURBANCE
---	PROPOSED CONTOUR LINE
---	PROPOSED EASEMENT
---	PROPOSED STORM SEWER
---	PROPOSED CURB LINE
---	PROPOSED SANITARY SEWER
---	PROPOSED GAS LINE
---	PROPOSED UTILITY LINE
---	PROPOSED WATER LINE
---	PROPOSED SILT FENCE
---	PROPOSED COMPOST SOCK
---	EXISTING SANITARY MANHOLE
---	EXISTING FIRE HYDRANT ASSEMBLY
---	EXISTING CLEANOUT
---	EXISTING SPOT ELEVATION
---	PROPOSED SANITARY MANHOLE
---	PROPOSED WATER VALVE
---	PROPOSED THRUST BLOCK
---	PROPOSED FIRE HYDRANT ASSEMBLY
---	PROPOSED CLEANOUT
---	PROPOSED LIGHTING FIXTURE
---	PROPOSED SPOT ELEVATION
---	PROPOSED DRYWELL
---	PROPOSED CATCH BASIN
---	PROPOSED INLET PROTECTION
---	PROPOSED TOP/BOTTOM CURB

- GENERAL DEMOLITION NOTES:**
1. THE SITE WORK FOR THIS PROJECT SHALL MEET OR EXCEED THE PLAN SET AND PROJECT SPECIFICATIONS.
 2. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF THE EXISTING STRUCTURES, RELATED UTILITIES, PAVING, UNDERGROUND STORAGE TANKS, AND ANY OTHER EXISTING IMPROVEMENTS AS NOTED. SEE SITE WORK SPECIFICATIONS.
 3. CONTRACTOR IS TO REMOVE AND DISPOSE OF ALL DEBRIS, RUBBISH AND OTHER MATERIALS RESULTING FROM PREVIOUS AND CURRENT DEMOLITION OPERATIONS. DISPOSAL WILL BE IN ACCORDANCE WITH ALL LOCAL STATE AND/OR FEDERAL REGULATIONS GOVERNING SUCH OPERATIONS.
 4. THE GENERAL CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO AVOID PROPERTY DAMAGE TO ADJACENT PROPERTIES DURING THE CONSTRUCTION PHASES OF THIS PROJECT. THE CONTRACTOR WILL BE HELD SOLELY RESPONSIBLE FOR ANY DAMAGES TO THE ADJACENT PROPERTIES OCCURRING DURING THE CONSTRUCTION PHASES OF THIS PROJECT.
 5. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND WHERE POSSIBLE MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
 6. EXISTING WELLS TO BE ABANDONED. SEE GENERAL NOTES (C-1) FOR PROPER ABANDONMENT PROCEDURES.

- 1 EXISTING BUILDINGS TO BE REMOVED.
- 2 EXISTING CONCRETE PADS & WALKS TO BE REMOVED.
- 3 EXISTING BLACKTOP TO BE REMOVED.
- 4 EXISTING CULVERT TO BE REMOVED.
- 5 EXISTING STONE TO BE REMOVED.
- 6 EXISTING TREES TO BE REMOVED.
- 7 EXISTING CONCRETE APRON TO BE REMOVED.
- 8 EXISTING WELL TO BE ABANDONED.
- 9 EXISTING CONCRETE CURB TO BE REMOVED.
- 10 REMOVE EXISTING MOUND, ABSORPTION TRENCHES, PIPES AND VAULTS.

Note:
Utility information has been plotted from available sources and their locations and size should be considered approximate only. The contractor is responsible for determining exact utility locations, sizes, and elevations prior to commencing construction. If uncharted or misplotted utilities are encountered, the contractor is required to notify the owner immediately.

New York State law requires excavators to contact the one-call notification system prior to digging to prevent damage to buried facilities.
IT'S THE LAW!
Call three days before you dig!
1-800-962-7962
Dig Safety New York
(non-members must be contacted separately)

12/14/22 Site Plan Revisions

Rev.	Date	Revision Description
8.	12/14/22	Updated Sign/Utility Locations
7.	11/28/22	Per Town Comments
6.	10/26/22	Per NYSDOT Comments
5.	06/16/22	Revised Landscaping Plan
4.	05/23/22	Per NYSDOT Comments
3.	05/03/22	Per NYSDOT Comments
2.	03/21/22	Preliminary Site Plan Submission
1.	07/29/21	Added Southern Fenceline

It is a Violation Of The New York Education Law, Article 145 Section 7209, For Any Person, Unless He 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 Seal And The Notation "Altered By" Followed By His Signature And The Date Of Such Alteration, And A Specific Description Of The Alteration.

SEAL

PROPOSED DANDY MINI-MART
LANSGING (T), TOMPKINS (Co.), NEW YORK

FAGAN ENGINEERS & LAND SURVEYORS P.C.
113 East Chemung Place
Elmira N.Y. 14904
Phone (607) 734-2165
Fax (607) 734-2169
www.FaganEngineers.com

Scale: 1" = 40'
11x17 Prints are 1/2 Size
Date: November 30, 2020
Design By: JBG, RSN
Drawn By: RSN
Checked By: JBG
Project No.: 2020.062
Drawing Name: 20062.dwg

DEMOLITION PLAN
C2A

FINAL PRINT
Copyright © 2020 Fagan Engineers



LEGEND

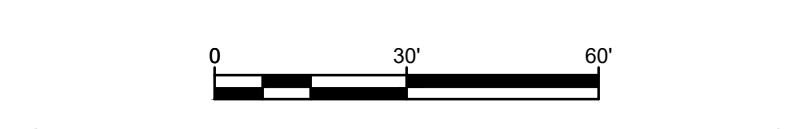
---	PROPERTY LINE
- - - -	EXISTING EASEMENT
- - - -	EXISTING EDGE OF ROADWAY
- - - -	EXISTING CURB LINE
- - - -	EXISTING SANITARY SEWER
- - - -	EXISTING GAS MAIN
- - - -	EXISTING UTILITY LINE
- - - -	EXISTING FENCE LINE
- - - -	EXISTING WATER LINE
- - - -	EXISTING CONTOUR LINE
- - - -	PROPOSED LIMIT OF DISTURBANCE
- - - -	PROPOSED CONTOUR LINE
- - - -	PROPOSED EASEMENT
- - - -	PROPOSED STORM SEWER
- - - -	PROPOSED EDGE OF ROADWAY
- - - -	PROPOSED CURB LINE
- - - -	PROPOSED SANITARY SEWER
- - - -	PROPOSED GAS LINE
- - - -	PROPOSED UTILITY LINE
- - - -	PROPOSED WATER LINE
- - - -	PROPOSED SILT FENCE
- - - -	PROPOSED COMPOST SOCK
○	EXISTING SANITARY MANHOLE
○	EXISTING FIRE HYDRANT ASSEMBLY
○	EXISTING CLEANOUT
○	EXISTING SPOT ELEVATION
○	PROPOSED SANITARY MANHOLE
○	PROPOSED WATER VALVE
○	PROPOSED THRUST BLOCK
○	PROPOSED FIRE HYDRANT ASSEMBLY
○	PROPOSED CLEANOUT
○	PROPOSED LIGHTING FIXTURE
○	PROPOSED SPOT ELEVATION
○	PROPOSED DRYWELL
○	PROPOSED CATCH BASIN
○	PROPOSED INLET PROTECTION
○	PROPOSED TOP/BOTTOM CURB

ZONING INFORMATION

B-1 & B-2 ZONING DISTRICTS

	REQUIRED	PROPOSED
PARCEL SIZE	NONE	4.7 Acres
MIN. ROAD FRONTAGE	100'	785'
BUILDING SETBACK		
FRONT YARD	60'	117'
REAR YARD	10'	145'
SIDE YARD	10'	186'
MAX. BUILDING HEIGHT		
MAX HEIGHT	35'	24.5'
MAX. LOT COVERAGE	80%	63%
MIN. PARKING SPACES	23 SPACES**	36 SPACES

*LESS WITH SITE PLAN APPROVAL
 **1 PARKING STALL FOR EACH 250 SF OF GROSS FLOOR AREA
 5,685 SF / 250 SF = 23 PARKING STALLS



Note:
 Utility information has been plotted from available sources and their locations and size should be considered approximate only. The contractor is responsible for determining exact utility locations, sizes, and elevations prior to commencing construction. If uncharted or misplotted utilities are encountered, the contractor is required to notify the owner immediately.

New York State law requires excavators to contact the one-call notification system prior to digging to prevent damage to buried facilities.
IT'S THE LAW!
 Call three days before you dig!
 1-800-962-7962
 Dig Safely New York
 (non-members must be contacted separately)

FINAL PRINT
 Copyright © 2020 Fagan Engineers

Site Plan Revisions

Rev.	Date	Revision Description
8.	12/14/22	Updated Sign/Utility Locations
7.	11/28/22	Per Town Comments
6.	10/26/22	Per NYSDOT Comments
5.	06/16/22	Revised Landscaping Plan
4.	05/23/22	Per NYSDOT Comments
3.	05/03/22	Revised Landscaping Plan
2.	03/21/22	Preliminary Site Plan Submission
1.	07/29/21	Added Southern Fence Line

It is a Violation Of The New York Education Law, Article 145 Section 7209, For Any Person, Unless He 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 Seal And The Notation "Altered By" Followed By His Signature And The Date Of Such Alteration, And A Specific Description Of The Alteration.

SEAL

PROPOSED DANDY MINI-MART
 LANSING (T), TOMPKINS (Co.), NEW YORK

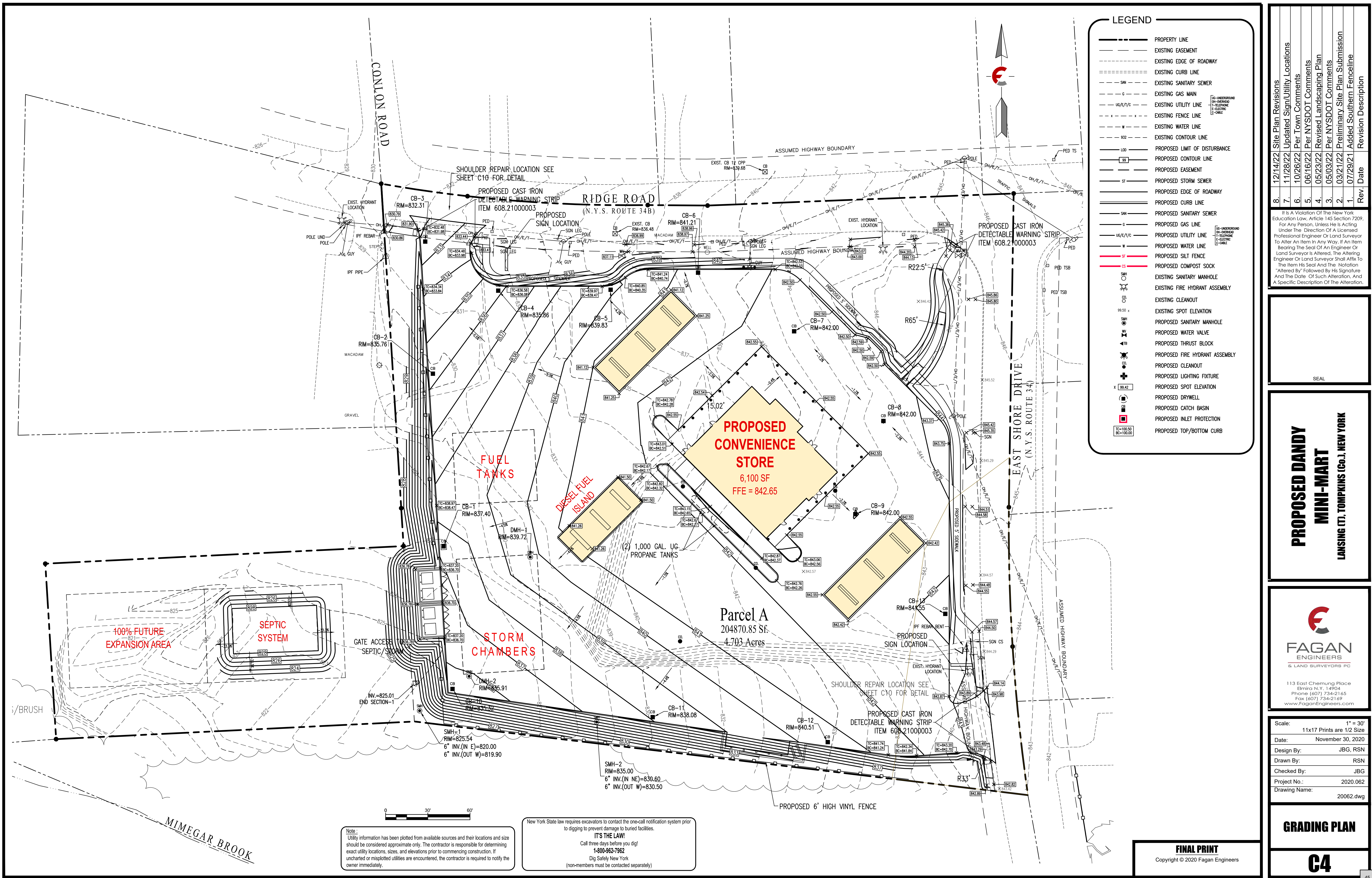
FAGAN ENGINEERS & LAND SURVEYORS PC
 113 East Chemung Place
 Elmira N.Y. 14904
 Phone (607) 734-2165
 Fax (607) 734-2169
 www.FaganEngineers.com

Scale: 1" = 30'
 11x17 Prints are 1/2 Size

Date:	November 30, 2020
Design By:	JBG, RSN
Drawn By:	RSN
Checked By:	JBG
Project No.:	2020.062
Drawing Name:	20062.dwg

SITE PLAN

C3



LEGEND

---	PROPERTY LINE
---	EXISTING EASEMENT
---	EXISTING EDGE OF ROADWAY
---	EXISTING CURB LINE
---	EXISTING SANITARY SEWER
---	EXISTING GAS MAIN
---	EXISTING UTILITY LINE
---	EXISTING FENCE LINE
---	EXISTING WATER LINE
---	EXISTING CONTOUR LINE
---	PROPOSED LIMIT OF DISTURBANCE
---	PROPOSED CONTOUR LINE
---	PROPOSED EASEMENT
---	PROPOSED STORM SEWER
---	PROPOSED EDGE OF ROADWAY
---	PROPOSED CURB LINE
---	PROPOSED SANITARY SEWER
---	PROPOSED GAS LINE
---	PROPOSED UTILITY LINE
---	PROPOSED WATER LINE
---	PROPOSED SILT FENCE
---	PROPOSED COMPOST SOCK
---	EXISTING SANITARY MANHOLE
---	EXISTING FIRE HYDRANT ASSEMBLY
---	EXISTING CLEANOUT
---	EXISTING SPOT ELEVATION
---	PROPOSED SANITARY MANHOLE
---	PROPOSED WATER VALVE
---	PROPOSED THRUST BLOCK
---	PROPOSED FIRE HYDRANT ASSEMBLY
---	PROPOSED CLEANOUT
---	PROPOSED LIGHTING FIXTURE
---	PROPOSED SPOT ELEVATION
---	PROPOSED DRYWELL
---	PROPOSED CATCH BASIN
---	PROPOSED INLET PROTECTION
---	PROPOSED TOP/BOTTOM CURB

Site Plan Revisions

Rev.	Date	Description
8.	12/14/22	Updated Sign/Utility Locations
7.	11/28/22	Per Town Comments
6.	10/26/22	Per NYSDOT Comments
5.	06/16/22	Revised Landscaping Plan
4.	05/23/22	Per NYSDOT Comments
3.	05/03/22	Preliminary Site Plan Submission
2.	03/21/22	Added Southern Fenceline
1.	07/29/21	Revision Description

It is a Violation of The New York Education Law, Article 145 Section 7209, For Any Person, Unless He 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 Seal And The Notation "Altered By" Followed By His Signature And The Date Of Such Alteration, And A Specific Description Of The Alteration.

PROPOSED DANDY MINI-MART
LANSGING (T), TOMPKINS (Co.), NEW YORK

FAGAN ENGINEERS
S & LAND SURVEYORS P.C.
113 East Chemung Place
Elmira N.Y. 14904
Phone (607) 734-2165
Fax (607) 734-2169
www.FaganEngineers.com

Scale: 1" = 30'
11x17 Prints are 1/2 Size
Date: November 30, 2020
Design By: JBG, RSN
Drawn By: RSN
Checked By: JBG
Project No.: 2020.062
Drawing Name: 20062.dwg

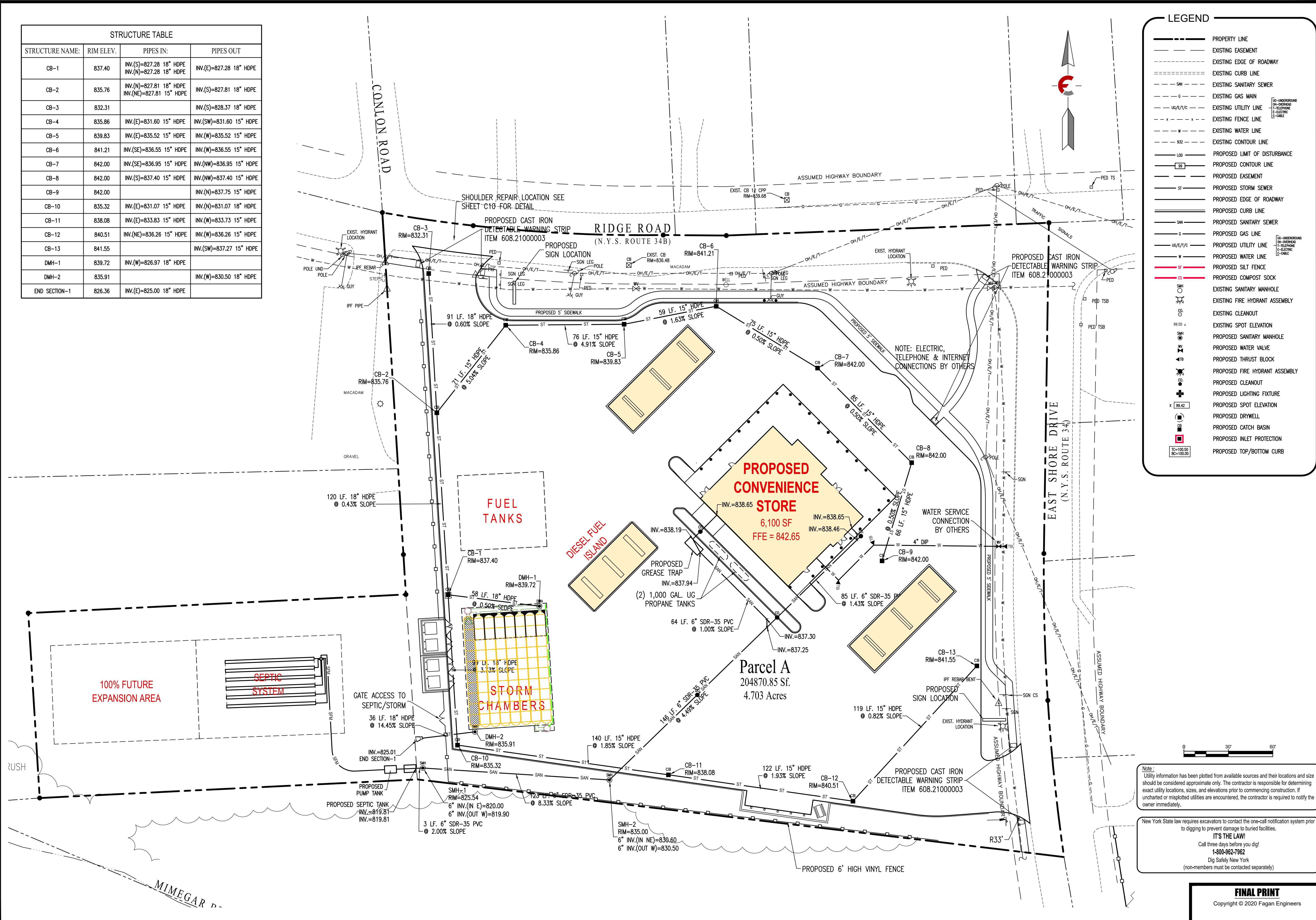
GRADING PLAN
C4

Note:
Utility information has been plotted from available sources and their locations and size should be considered approximate only. The contractor is responsible for determining exact utility locations, sizes, and elevations prior to commencing construction. If uncharted or misplotted utilities are encountered, the contractor is required to notify the owner immediately.

New York State law requires excavators to contact the one-call notification system prior to digging to prevent damage to buried facilities.
IT'S THE LAW!
Call three days before you dig!
1-800-962-7962
Dig Safely New York
(non-members must be contacted separately)

FINAL PRINT
Copyright © 2020 Fagan Engineers

STRUCTURE TABLE			
STRUCTURE NAME:	RIM ELEV.	PIPES IN:	PIPES OUT
CB-1	837.40	INV.(S)=827.28 18" HDPE INV.(N)=827.28 18" HDPE	INV.(E)=827.28 18" HDPE
CB-2	835.76	INV.(N)=827.81 18" HDPE INV.(NE)=827.81 15" HDPE	INV.(S)=827.81 18" HDPE
CB-3	832.31		INV.(S)=828.37 18" HDPE
CB-4	835.86	INV.(E)=831.60 15" HDPE	INV.(SW)=831.60 15" HDPE
CB-5	839.83	INV.(E)=835.52 15" HDPE	INV.(W)=835.52 15" HDPE
CB-6	841.21	INV.(SE)=836.55 15" HDPE	INV.(W)=836.55 15" HDPE
CB-7	842.00	INV.(SE)=836.95 15" HDPE	INV.(NW)=836.95 15" HDPE
CB-8	842.00	INV.(S)=837.40 15" HDPE	INV.(NW)=837.40 15" HDPE
CB-9	842.00		INV.(N)=837.75 15" HDPE
CB-10	835.32	INV.(E)=831.07 15" HDPE	INV.(N)=831.07 18" HDPE
CB-11	838.08	INV.(E)=833.83 15" HDPE	INV.(W)=833.73 15" HDPE
CB-12	840.51	INV.(NE)=836.26 15" HDPE	INV.(W)=836.26 15" HDPE
CB-13	841.55		INV.(SW)=837.27 15" HDPE
DMH-1	839.72	INV.(W)=826.97 18" HDPE	
DMH-2	835.91		INV.(W)=830.50 18" HDPE
END SECTION-1	826.36	INV.(E)=825.00 18" HDPE	



LEGEND

- PROPERTY LINE
- - - EXISTING EASEMENT
- - - EXISTING EDGE OF ROADWAY
- - - EXISTING CURB LINE
- - - EXISTING SANITARY SEWER
- - - EXISTING GAS MAIN
- - - EXISTING UTILITY LINE
- - - EXISTING FENCE LINE
- - - EXISTING WATER LINE
- - - EXISTING CONTOUR LINE
- - - PROPOSED LIMIT OF DISTURBANCE
- - - PROPOSED CONTOUR LINE
- - - PROPOSED EASEMENT
- - - PROPOSED STORM SEWER
- - - PROPOSED EDGE OF ROADWAY
- - - PROPOSED CURB LINE
- - - PROPOSED SANITARY SEWER
- - - PROPOSED GAS LINE
- - - PROPOSED UTILITY LINE
- - - PROPOSED WATER LINE
- - - PROPOSED SILT FENCE
- - - EXISTING COMPOST SOCK
- - - EXISTING SANITARY MANHOLE
- - - EXISTING FIRE HYDRANT ASSEMBLY
- - - EXISTING CLEANOUT
- - - EXISTING SPOT ELEVATION
- - - PROPOSED SANITARY MANHOLE
- - - PROPOSED WATER VALVE
- - - PROPOSED THRUST BLOCK
- - - PROPOSED FIRE HYDRANT ASSEMBLY
- - - PROPOSED CLEANOUT
- - - PROPOSED LIGHTING FIXTURE
- - - PROPOSED SPOT ELEVATION
- - - PROPOSED DRYWELL
- - - PROPOSED CATCH BASIN
- - - PROPOSED INLET PROTECTION
- - - PROPOSED TOP/BOTTOM CURB

Site Plan Revisions

Rev.	Date	Description
8.	12/14/22	Updated Sign/Utility Locations
7.	11/28/22	Per Town Comments
6.	10/26/22	Per NYSDOT Comments
5.	06/16/22	Per NYSDOT Comments
4.	05/23/22	Revised Landscaping Plan
3.	05/03/22	Per NYSDOT Comments
2.	03/21/22	Preliminary Site Plan Submission
1.	07/29/21	Added Southern Fenceline

It is a Violation Of The New York Education Law, Article 145 Section 7209, For Any Person, Unless He 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 Seal And The Notation "Altered" Followed By His Signature And The Date Of Such Alteration, And A Specific Description Of The Alteration.

SEAL

PROPOSED DANDY MINI-MART
 LANSGING (T), TOMPKINS (Co.), NEW YORK

FAGAN ENGINEERS & LAND SURVEYORS PC
 113 East Chemung Place
 Elmira N.Y. 14904
 Phone (607) 734-2165
 Fax (607) 734-2169
 www.FaganEngineers.com

Scale: 1" = 30'
 11x17 Prints are 1/2 Size

Date:	November 30, 2020
Design By:	JBG, RSN
Drawn By:	RSN
Checked By:	JBG
Project No.:	2020.062
Drawing Name:	20062.dwg

UTILITY PLAN

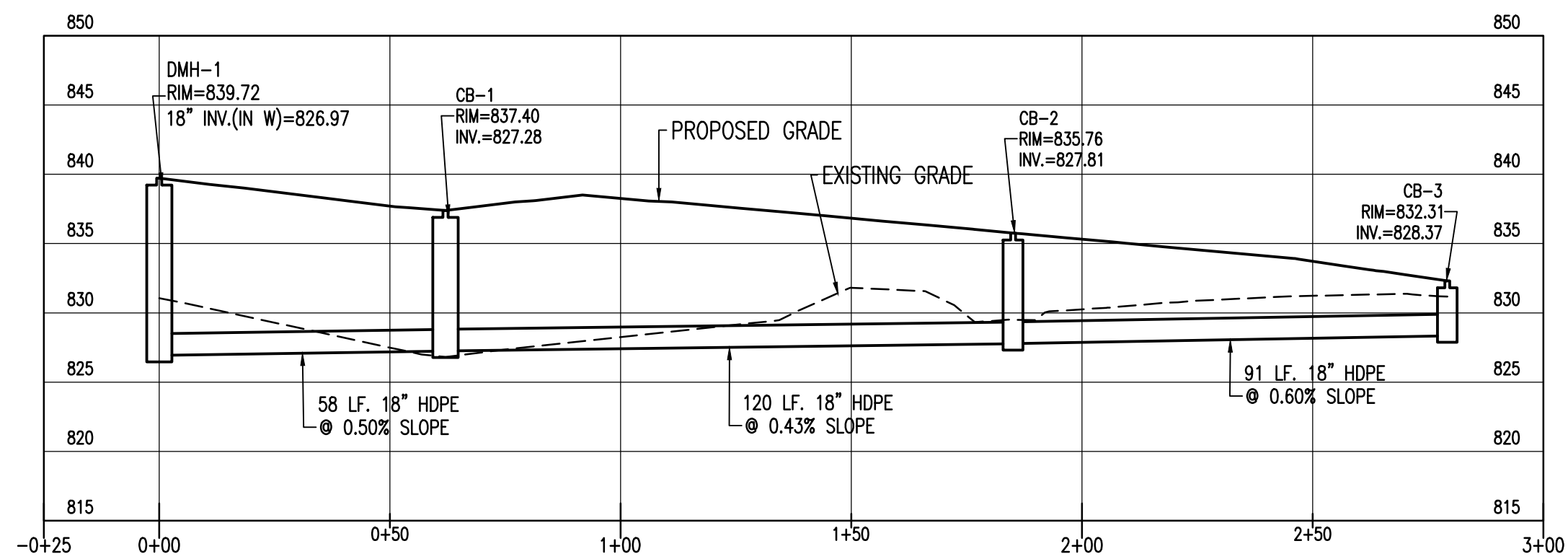
C5

Note: Utility information has been plotted from available sources and their locations and size should be considered approximate only. The contractor is responsible for determining exact utility locations, sizes, and elevations prior to commencing construction. If uncharted or misplotted utilities are encountered, the contractor is notified to notify the owner immediately.

New York State law requires excavators to contact the one-call notification system prior to digging to prevent damage to buried facilities.

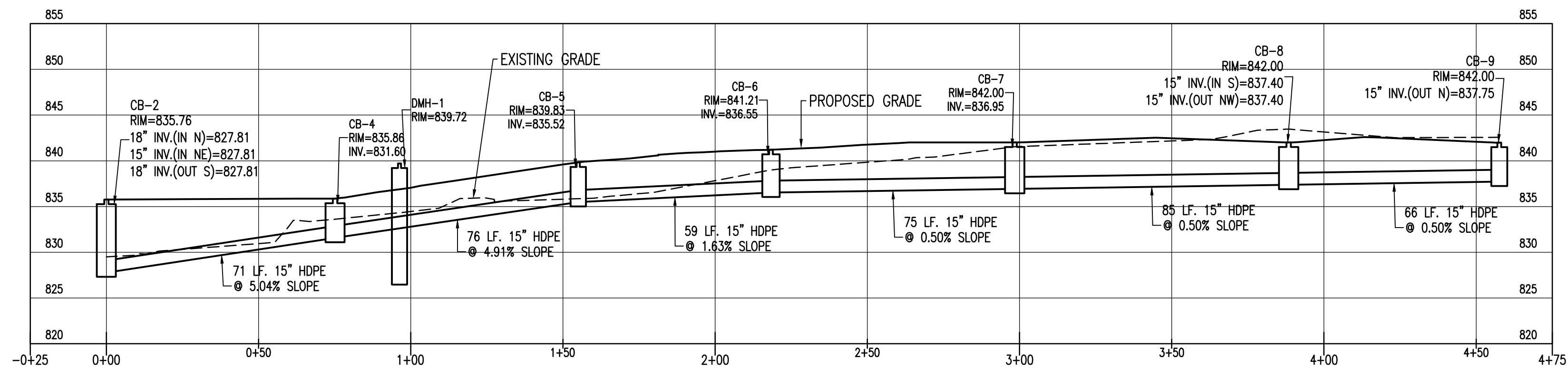
IT'S THE LAW!
 Call three days before you dig!
 1-800-962-7962
 Dig Safely New York
 (non-members must be contacted separately)

FINAL PRINT
 Copyright © 2020 Fagan Engineers



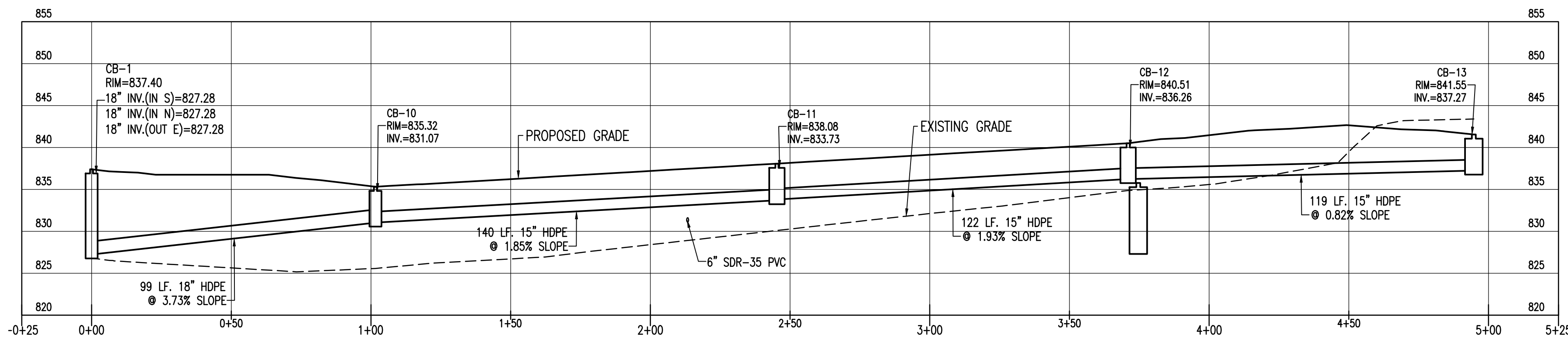
**DMH-1 TO CB-8
STORM SEWER PROFILE**

HORIZ. SCALE: 1" = 30'
VERT. SCALE: 1" = 10'



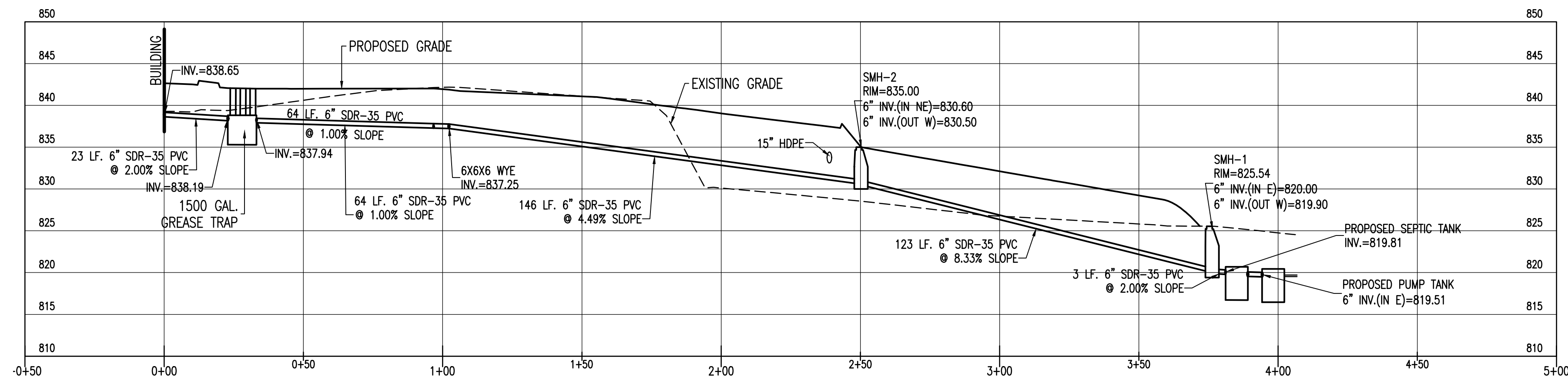
**CB-2 TO CB-9
STORM SEWER PROFILE**

HORIZ. SCALE: 1" = 30'
VERT. SCALE: 1" = 10'



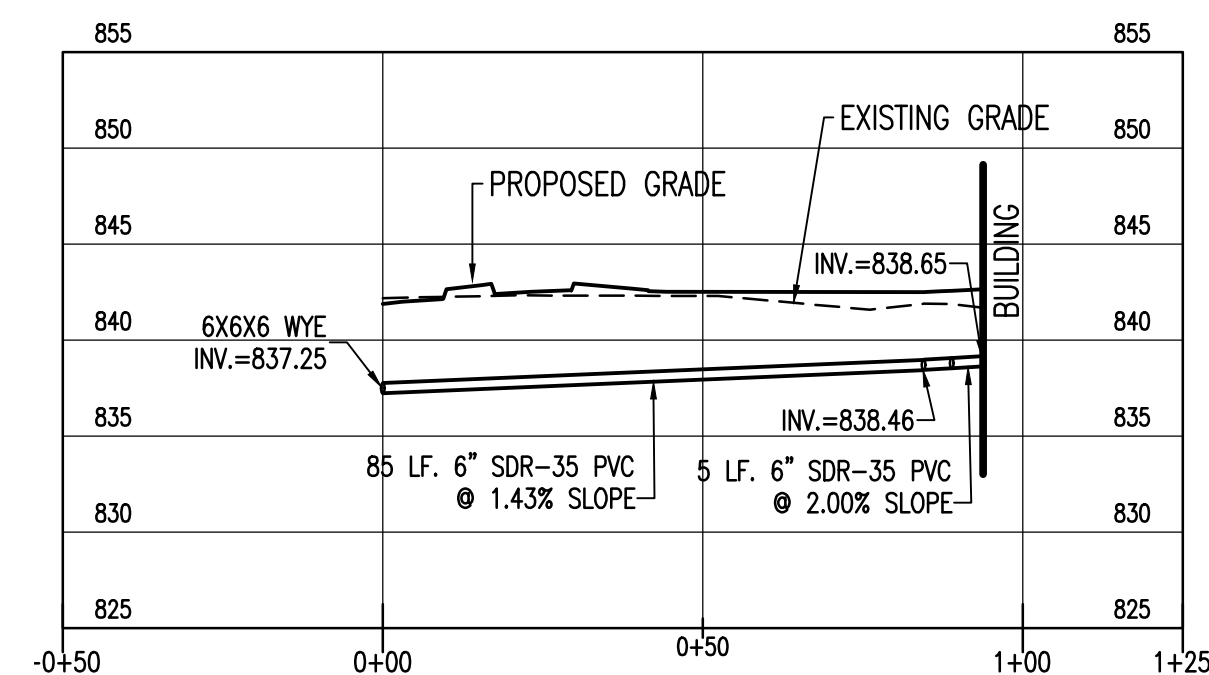
**CB-1 TO CB-13
STORM SEWER PROFILE**

HORIZ. SCALE: 1" = 30'
VERT. SCALE: 1" = 10'



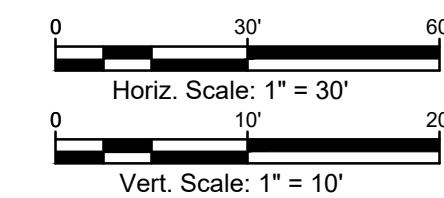
SANITARY SEWER PROFILE

HORIZ. SCALE: 1" = 30'
VERT. SCALE: 1" = 10'



SANITARY SEWER PROFILE

HORIZ. SCALE: 1" = 30'
VERT. SCALE: 1" = 10'



Note:
Utility information has been plotted from available sources and their locations and size should be considered approximate only. The contractor is responsible for determining exact utility locations, sizes, and elevations prior to commencing construction. If uncharted or misplotted utilities are encountered, the contractor is required to notify the owner immediately.

New York State law requires excavators to contact the one-call notification system prior to digging to prevent damage to buried facilities.
IT'S THE LAW!
Call three days before you dig!
1-800-962-7862
Dig Safely New York
(non-members must be contacted separately)

FINAL PRINT
Copyright © 2020 Fagan Engineers

Rev.	Date	Revision Description
8.	12/14/22	Site Plan Revisions
7.	11/28/22	Updated Sign/Utility Locations
6.	10/26/22	Per Town Comments
5.	06/16/22	Per NYSDOT Comments
4.	05/23/22	Revised Landscaping Plan
3.	05/03/22	Per NYSDOT Comments
2.	03/21/22	Preliminary Site Plan Submission
1.	07/29/21	Added Southern Fenceline

It is a Violation Of The New York Education Law, Article 145 Section 7209, For Any Person, Unless He 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 Seal And The Notation "Altered By" Followed By His Signature And The Date Of Such Alteration, And A Specific Description Of The Alteration.

SEAL

**PROPOSED DANDY
MINI-MART**
LANSING (T), TOMPKINS (Co.), NEW YORK

FAGAN ENGINEERS & LAND SURVEYORS PC
113 East Chemung Place
Elmira N.Y. 14904
Phone (607) 734-2165
Fax (607) 734-2169
www.FaganEngineers.com

Scale:	As Noted
Date:	November 30, 2020
Design By:	JBG, RSN
Drawn By:	RSN
Checked By:	JBG
Project No.:	2020.062
Drawing Name:	20062.dwg

SITE PROFILES
C6

LANDSCAPING CHART

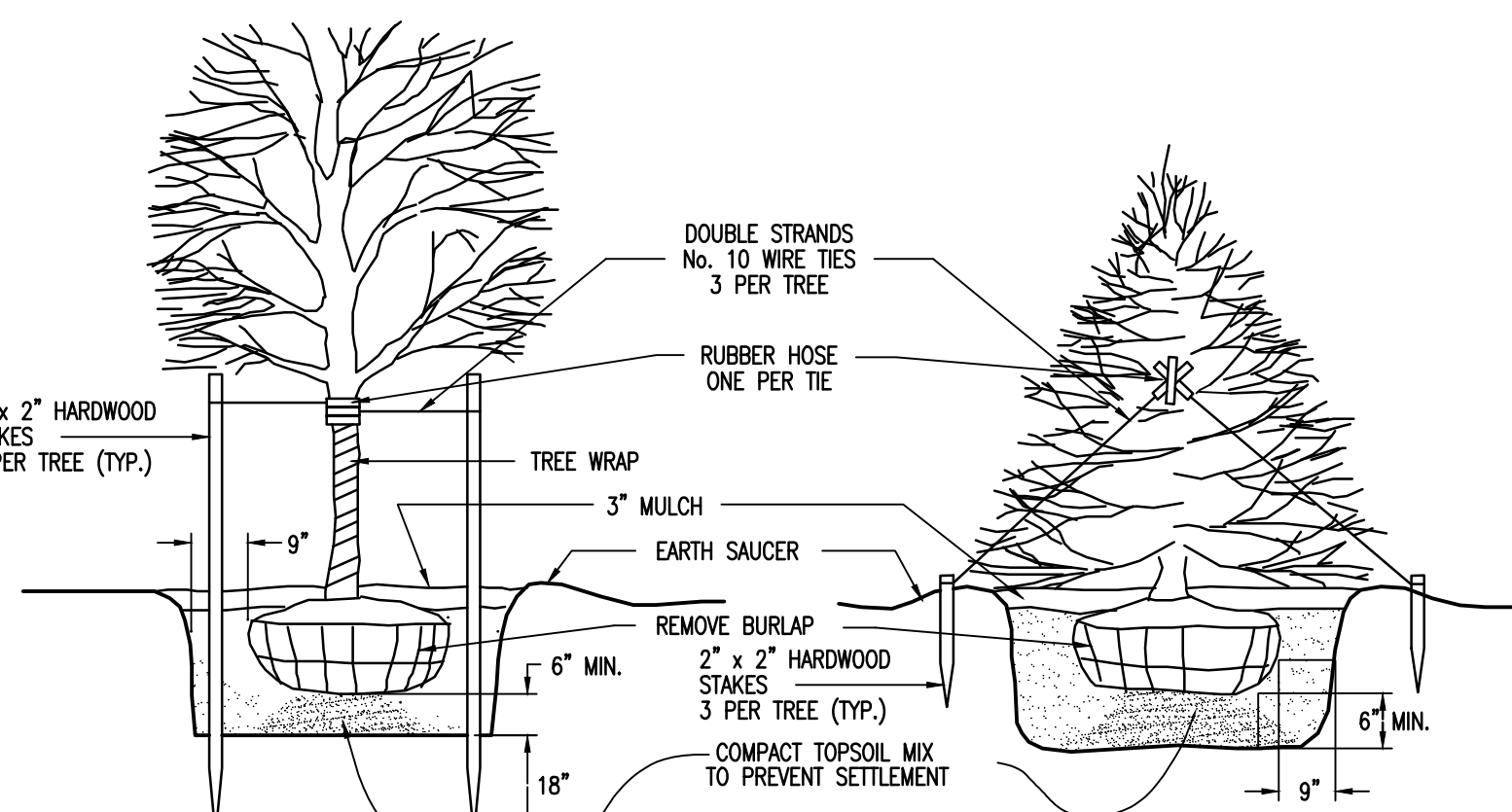
KEY	MIN. QTY.	BOTANICAL NAME	COMMON NAME	MATURE HEIGHT	MIN. CALIPER	CONTAINER SIZE	MATURE WIDTH
SB	18	PRUNUS SERRULATA "KANZA"	SERVICE BERRY	7-10'	2" MIN.	B+B	15-25"
BW	12	BUSCUS "WINTERGREEN"	WINTER GREEN BOXWOOD	3-4'	N/A	#5	3-5'
SC	2	PRUNUS X CISTENA	PURPLELEAF SAND CHERRY	7-10'	N/A	#5	5-7'
GS	3	SPIRAEA JAPONICA	GOLDMOUND SPIREA	2-3'	N/A	#5	4'
BB	2	CARYOPTERIS X CLANDONENSIS	BLUEBEARD	2-3'	N/A	#5	4'
SJ	4	JUNIPERUS CHINENSIS VAR. SARGENTII	SARGENT JUNIPER	2'	N/A	#5	6-8'

LANDSCAPING NOTES:

- TOPSOIL AND SEED ALL DISTURBED LAWN AREAS.
- PROVIDE APPROVED DOUBLE GROUND HARDWOOD MULCH (DARK BROWN) FOR PLANTING MULCH IN PARKING AREA ISLANDS.

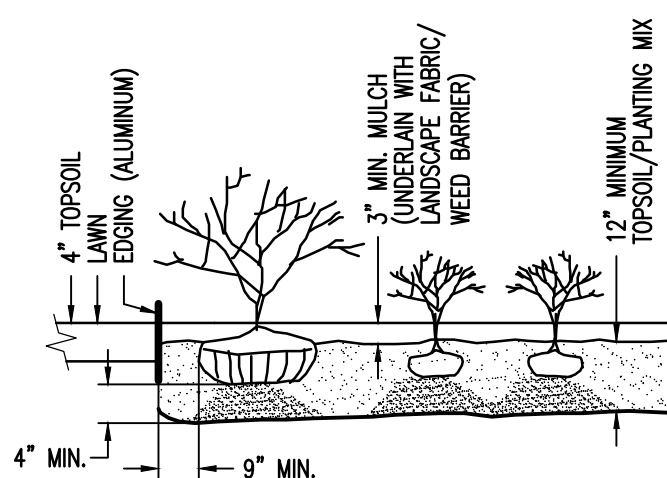
NOTE:

- MAINTENANCE AND REPLACEMENT OF LANDSCAPE MATERIALS SHALL BE THE RESPONSIBILITY OF THE PROPERTY OWNER AND ALL FUTURE OWNERS.



DECIDUOUS TREES

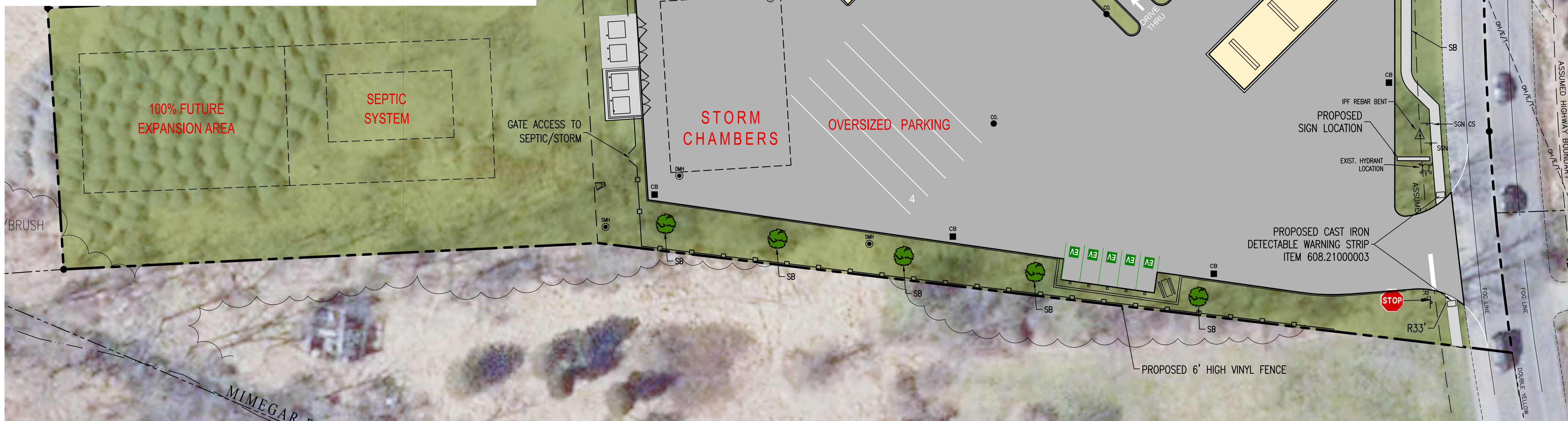
EVERGREEN TREES



SHRUB AND PLANTING BEDS

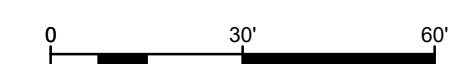
TREE AND SHRUB PLANTING DETAIL

N.T.S.



LEGEND

- PROPERTY LINE
- - - EXISTING EASEMENT
- - - EXISTING EDGE OF ROADWAY
- - - EXISTING CURB LINE
- - - EXISTING SANITARY SEWER
- - - EXISTING GAS MAIN
- - - EXISTING UTILITY LINE
- - - EXISTING FENCE LINE
- - - EXISTING WATER LINE
- - - EXISTING CONTOUR LINE
- - - PROPOSED LIMIT OF DISTURBANCE
- - - PROPOSED CONTOUR LINE
- - - PROPOSED EASEMENT
- - - PROPOSED STORM SEWER
- - - PROPOSED EDGE OF ROADWAY
- - - PROPOSED CURB LINE
- - - PROPOSED SANITARY SEWER
- - - PROPOSED GAS LINE
- - - PROPOSED UTILITY LINE
- - - PROPOSED WATER LINE
- - - PROPOSED SILT FENCE
- - - PROPOSED COMPOST SOCK
- - - EXISTING SANITARY MANHOLE
- - - EXISTING FIRE HYDRANT ASSEMBLY
- - - EXISTING CLEANOUT
- - - EXISTING SPOT ELEVATION
- - - PROPOSED SANITARY MANHOLE
- - - PROPOSED WATER VALVE
- - - PROPOSED THRUST BLOCK
- - - PROPOSED FIRE HYDRANT ASSEMBLY
- - - PROPOSED CLEANOUT
- - - PROPOSED LIGHTING FIXTURE
- - - PROPOSED SPOT ELEVATION
- - - PROPOSED DRYWELL
- - - PROPOSED CATCH BASIN
- - - PROPOSED INLET PROTECTION
- - - PROPOSED TOP/BOTTOM CURB



Note: Utility information has been plotted from available sources and their locations and size should be considered approximate only. The contractor is responsible for determining exact utility locations, sizes, and elevations prior to commencing construction. If uncharted or misplotted utilities are encountered, the contractor is required to notify the owner immediately.

New York State law requires excavators to contact the one-call notification system prior to digging to prevent damage to buried facilities.
IT'S THE LAW!
 Call three days before you dig!
 1-800-962-7962
 Dig Safely New York
 (non-members must be contacted separately)

FINAL PRINT
 Copyright © 2020 Fagan Engineers

Rev.	Date	Revision Description
8.	12/14/22	Site Plan Revisions
7.	11/28/22	Updated Sign/Utility Locations
6.	10/26/22	Per Town Comments
5.	06/16/22	Per NYSDOT Comments
4.	05/23/22	Revised Landscaping Plan
3.	05/03/22	Per NYSDOT Comments
2.	03/21/22	Preliminary Site Plan Submission
1.	07/29/21	Added Southern Fenceline

It is a Violation Of The New York Education Law, Article 145 Section 7209, For Any Person, Unless He 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 Seal And The Notation "Altered" Followed By His Signature And The Date Of Such Alteration, And A Specific Description Of The Alteration.

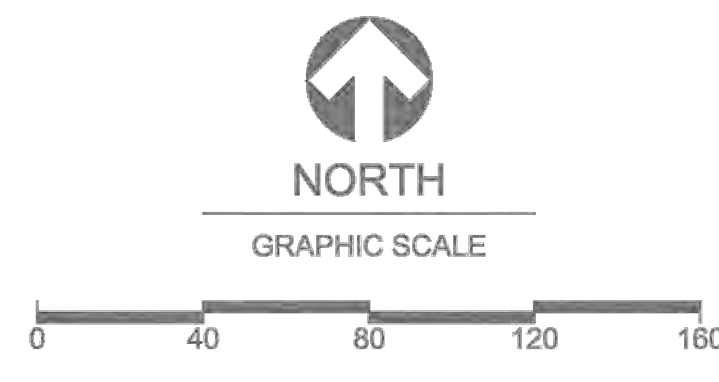
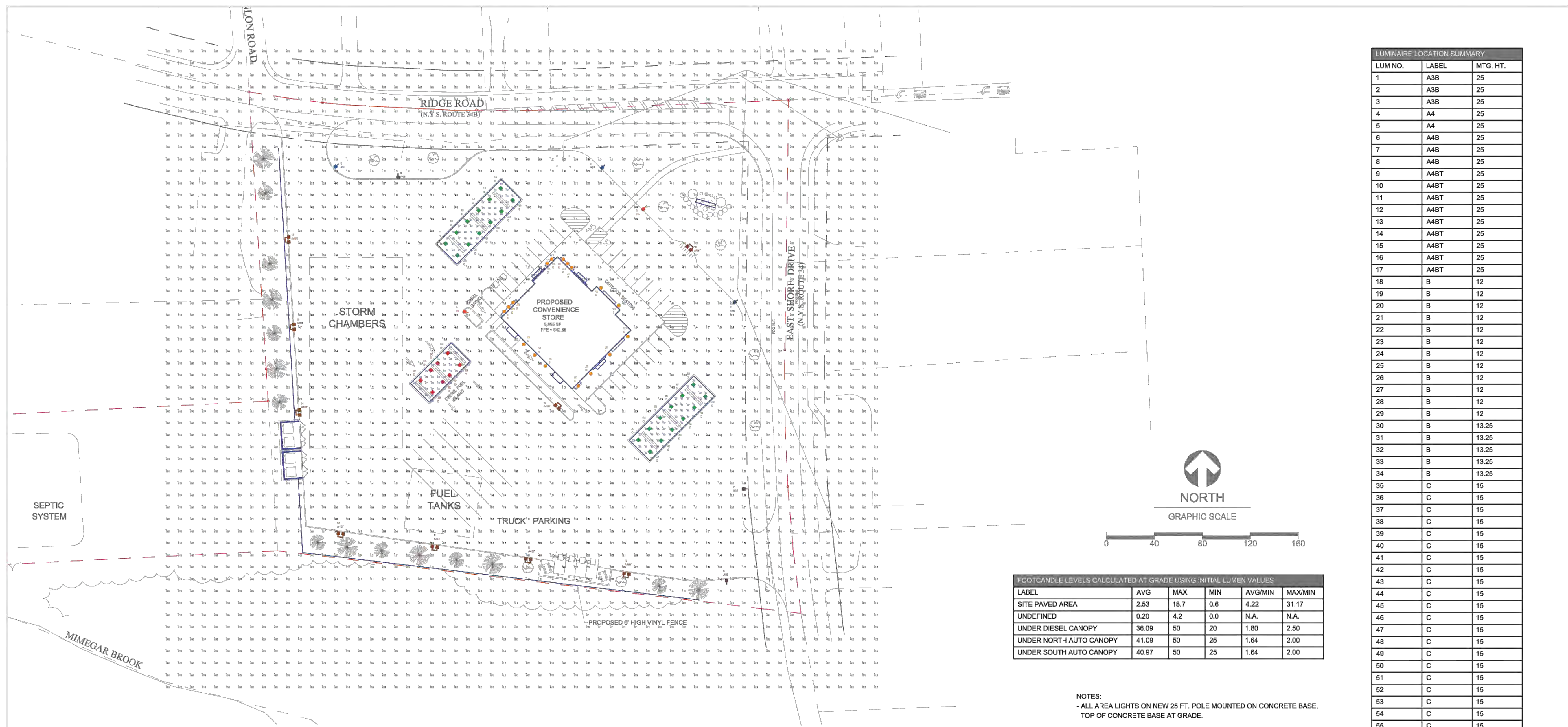
SEAL

PROPOSED DANDY MINI-MART
 LANSING (T), TOMPKINS (Co.), NEW YORK

FAGAN ENGINEERS & LAND SURVEYORS PC
 113 East Chemung Place
 Elmira N.Y. 14904
 Phone (607) 734-2165
 Fax (607) 734-2169
 www.FaganEngineers.com

Scale:	1" = 30'
Date:	November 30, 2020
Design By:	JBG, RSN
Drawn By:	RSN
Checked By:	JBG
Project No.:	2020.062
Drawing Name:	20062.dwg

LANDSCAPING PLAN
C7



FOOTCANDLE LEVELS CALCULATED AT GRADE USING INITIAL LUMEN VALUES

LABEL	AVG	MAX	MIN	AVG/MIN	MAX/MIN
SITE PAVED AREA	2.53	18.7	0.6	4.22	31.17
UNDEFINED	0.20	4.2	0.0	N.A.	N.A.
UNDER DIESEL CANOPY	36.09	50	20	1.80	2.50
UNDER NORTH AUTO CANOPY	41.09	50	25	1.64	2.00
UNDER SOUTH AUTO CANOPY	40.97	50	25	1.64	2.00

NOTES:
- ALL AREA LIGHTS ON NEW 25 FT. POLE MOUNTED ON CONCRETE BASE.
TOP OF CONCRETE BASE AT GRADE.

SYMBOL	QTY	LABEL	ARRANGEMENT	LUMENS	LLF	BUG RATING	WATTS/LUMINAIRE	TOTAL WATTS	MANUFACTURER	CATALOG LOGIC
	3	A3B	SINGLE	7575	1.030	B1-U0-G2	72	216	Cree Inc	OSQ-ML-B-AA-XX + OSQM-B-11L-50K9-3M-UL-NM-XX-w OSQ-BLSMF
	2	A4	SINGLE	9599	1.030	B2-U0-G2	72	144	Cree Inc	OSQ-ML-B-AA-XX + OSQM-B-11L-50K9-4M-UL-NM-XX
	3	A4B	SINGLE	7374	1.030	B1-U0-G2	72	216	Cree Inc	OSQ-ML-B-AA-XX + OSQM-B-11L-50K9-4M-UL-NM-XX-w OSQ-BLSMF
	9	A4BT	TWIN	7374	1.030	B1-U0-G2	72	1296	Cree Inc	OSQ-ML-B-AA-XX + OSQM-B-11L-50K9-4M-UL-NM-XX-w OSQ-BLSMF
	17	B	SINGLE	1378	1.000	B1-U0-G0	15.06	256.02	TROY-CSL LIGHTING	RH20-LED1540-XX-FG-3-LL23-XX
	24	C	SINGLE	10225	1.020	B3-U0-G1	86	2064	Cree Lighting	CPY250-C-13L-50K9-F-UL-DM-XX
	8	D	SINGLE	10225	1.020	B3-U0-G1	86	688	Cree Lighting	CPY250-C-13L-50K9-F-UL-DM-XX

LUM. NO.	LABEL	MTG. HT.
1	A3B	25
2	A3B	25
3	A3B	25
4	A4	25
5	A4	25
6	A4B	25
7	A4B	25
8	A4B	25
9	A4BT	25
10	A4BT	25
11	A4BT	25
12	A4BT	25
13	A4BT	25
14	A4BT	25
15	A4BT	25
16	A4BT	25
17	A4BT	25
18	B	12
19	B	12
20	B	12
21	B	12
22	B	12
23	B	12
24	B	12
25	B	12
26	B	12
27	B	12
28	B	12
29	B	12
30	B	13.25
31	B	13.25
32	B	13.25
33	B	13.25
34	B	13.25
35	C	15
36	C	15
37	C	15
38	C	15
39	C	15
40	C	15
41	C	15
42	C	15
43	C	15
44	C	15
45	C	15
46	C	15
47	C	15
48	C	15
49	C	15
50	C	15
51	C	15
52	C	15
53	C	15
54	C	15
55	C	15
56	C	15
57	C	15
58	C	15
59	D	18
60	D	18
61	D	18
62	D	18
63	D	18
64	D	18
65	D	18
66	D	18

Rev.	Date	Revision Description
8.	12/14/22	Site Plan Revisions
7.	11/28/22	Updated Sign/Utility Locations
6.	10/26/22	Per Town Comments
5.	06/16/22	Per NYSDOT Comments
4.	05/23/22	Revised Landscaping Plan
3.	05/03/22	Per NYSDOT Comments
2.	03/21/22	Preliminary Site Plan Submission
1.	07/29/21	Added Southern Fenceline

It is a Violation Of The New York Education Law, Article 145 Section 7209, For Any Person, Unless He 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 Seal And The Notation "Altered By" Followed By His Signature And The Date Of Such Alteration, And A Specific Description Of The Alteration.

SEAL

PROPOSED DANDY MINI-MART
LANSING (T), TOMPKINS (Co.), NEW YORK

113 East Chemung Place
Elmira N.Y. 14904
Phone (607) 734-2165
Fax (607) 734-2169
www.FaganEngineers.com

Scale:	As Noted
Date:	November 30, 2020
Design By:	JBG, RSN
Drawn By:	RSN
Checked By:	JBG
Project No.:	2020.062
Drawing Name:	20062.dwg

PHOTOMETRICS PLAN
C8

1340 Kemper Meadow Dr, Forest Park, OH 45240
513-674-9500 | redleonard.com

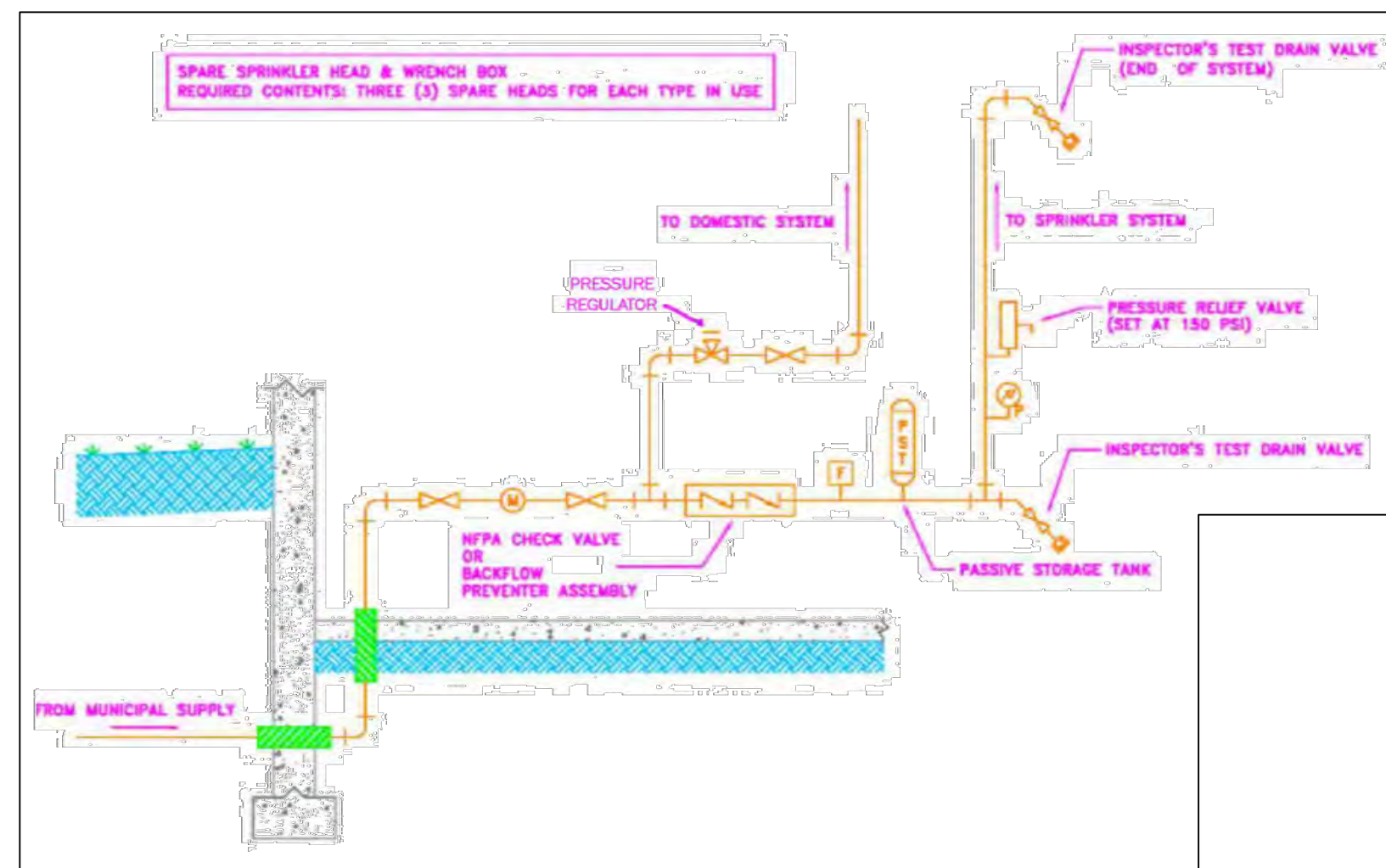
DISCLAIMER
ANY SITE PLANS, FLOOR PLANS, RENDERINGS, LIGHTING LAYOUTS AND PHOTOMETRIC PLANS INCLUDING BUT NOT LIMITED TO ANY PROJECTS CREATED/PRODUCED BY RED LEONARD ASSOCIATES INC., ARE ONLY INTENDED FOR ILLUSTRATION AND QUOTING PURPOSES ONLY. RED LEONARD ASSOCIATES HAS THE RIGHT TO USE THIRD PARTY LASERS, SCANNERS, AND CAMERAS BUT ACTUAL PROJECT CONDITIONS, DIMENSIONS, AND ACCURACY OF MEASUREMENTS MAY DIFFER FROM THESE OR ANY PARAMETERS. RED LEONARD ASSOCIATES INC. ASSUMES NO LIABILITY FOR WHAT IS CREATED/PRODUCED IN THESE RENDERINGS. THIS INCLUDES BUT IS NOT LIMITED TO THE USE OF, INSTALLATION OF AND/OR INTEGRITY OF EXISTING BUILDINGS, SURROUNDING AREA FOR PROJECTS SUCH AS EXISTING POLES, ANCHORS, BOLTS, BASES, ARCHITECTURAL AND SIGNAGE STRUCTURES, LANDSCAPING PLANS, LIGHTING PLANS, FUTURE SELECTIONS AND PLACEMENT, MATERIALS, COLOR ACCURACY, TEXTURES, AND ANYTHING ATTRIBUTED TO PHOTO REALISM THAT IS CREATED. FURTHERMORE, RED LEONARD ASSOCIATES INC. DOES NOT ASSUME LIABILITY WHATSOEVER FOR ANY PURCHASES MADE BY CLIENT BEFORE, DURING, OR AT THE CONCLUSION OF THE PROVIDED WORK. THE CUSTOMER, ITS RELATIVE AFFILIATES, AS WELL AS ANY OTHER PERSONS IN VIEWING OF THIS PRODUCT IS RESPONSIBLE FOR VERIFYING COMPLIANCE WITH ANY BUT NOT LIMITED TO ALL CODES, PERMITS, RESTRICTIONS, INSTRUCTIONS, PURCHASES, AND INSTALLATIONS OF OBJECTS VIEWED WITHIN THIS DOCUMENT(S) OR PROJECT(S). SYMBOLS ARE NOT DRAWN TO SCALE. SIZE IS FOR CLARITY PURPOSES ONLY. SIZES AND DIMENSIONS ARE APPROXIMATE. ACTUAL MEASUREMENTS MAY VARY. DRAWINGS ARE NOT INTENDED FOR ENGINEERING OR CONSTRUCTION USE. THIS DOCUMENT, ANY RED LEONARD DRAWINGS, OR PROJECTS IS NOT TO BE USED AND/OR INTENDED FOR ENGINEERING OR CONSTRUCTION PURPOSES, BUT FOR ILLUSTRATIVE PURPOSES ONLY. ANY LOCATIONS OF EMERGENCY LIGHTING SHOWN WERE PROVIDED BY OTHERS. RED LEONARD ASSOCIATES IS NOT RESPONSIBLE FOR INSUFFICIENT LIGHTING DURING AN EMERGENCY EVENT. ANY USE OF THIS DOCUMENTATION AND/OR OTHER ARTICLES PRODUCED BY RED LEONARD WITHOUT WRITTEN AUTHORIZATION FROM JAYME J. LEONARD IS STRICTLY PROHIBITED.

SCALE: 1" = 40'
LAYOUT BY: DAR
DWG SIZE: D
DATE: 4/27/22

PROJECT NAME:
DANDY MINI MART D85 LANSING, NY
DRAWING NUMBER:
RL-7936-S1

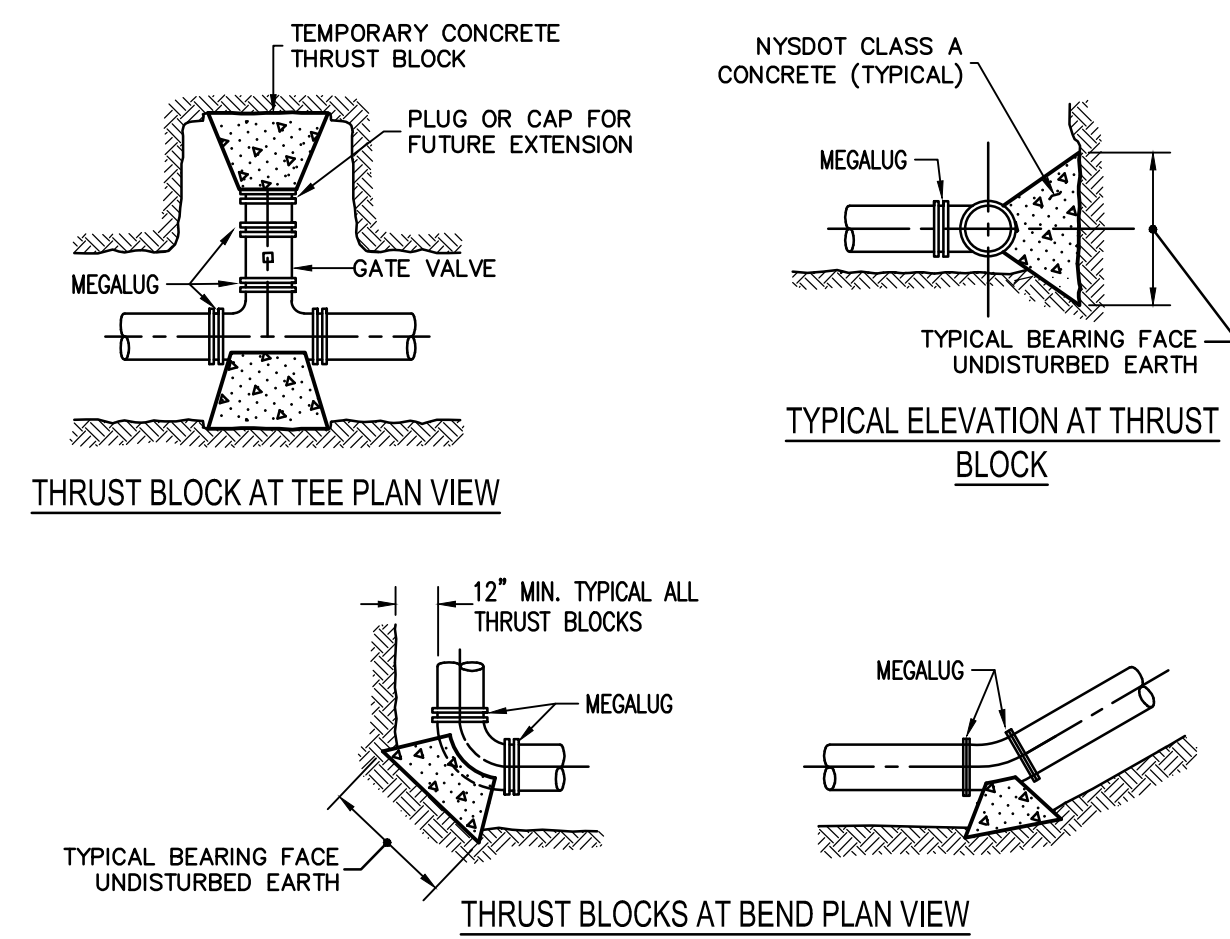


FINAL PRINT
Copyright © 2020 Fagan Engineers



WATER METER & SPRINKLER DETAIL

N.T.S.



TYPICAL THRUST BLOCK DETAILS

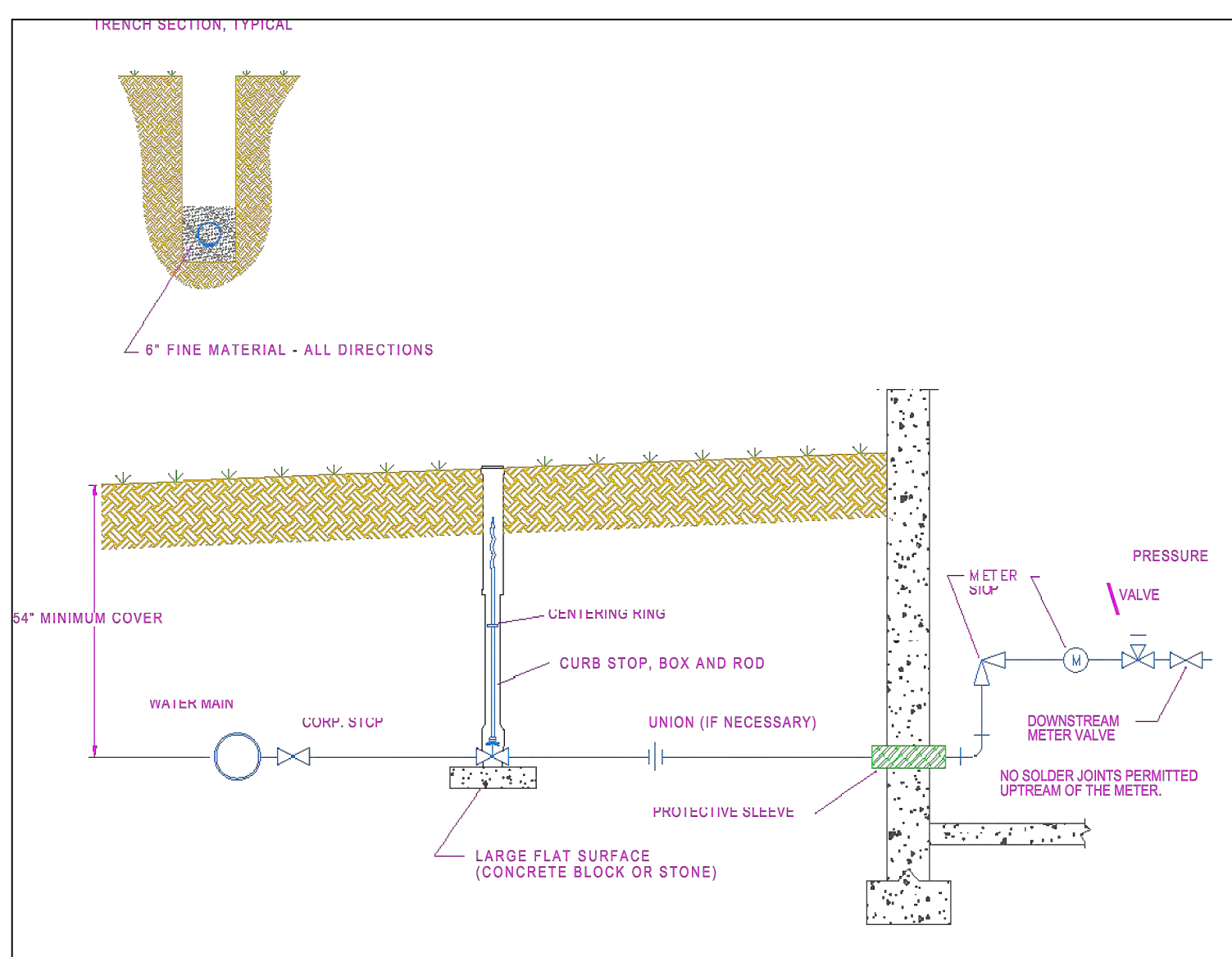
N.T.S.

PIPE SIZE	MINIMUM AREA OF BEARING FACE OF CONCRETE THRUST BLOCK IN SQ. FT. BLOCKS TO BE POURED AGAINST UNDISTURBED EARTH.				
	90° BEND OR HYD.	45° BEND	22-1/2° BEND	11-1/4° BEND	TEE OR DEAD END
4"	1.3	1.0 MIN.	1.0 MIN.	1.0 MIN.	1.0 MIN.
6"	2.6	1.4	1.0 MIN.	1.0 MIN.	1.9
8"	4.6	2.5	1.3	1.0 MIN.	3.2
10"	6.8	3.7	1.9	1.0 MIN.	4.8
12"	9.7	5.2	2.7	1.3	6.8

AREAS BASED ON AN INTERNAL PRESSURE OF 150 P.S.I.G. AND A SOIL BEARING CAPACITY OF 3000 P.S.F.

NOTES:

- Thrust blocks shall be placed at all bends, tees, and dead ends.
- MEGALUG Series 1100 or approved equal shall be utilized with the thrust blocks.
- The thrust restraint bearing areas listed above are based on the internal pressures and soil bearing capacities as noted. If adverse soil conditions warrant these areas will require adjustment as directed by the engineer.
- Form thrust blocks such that all mechanical joint fitting's nuts & bolts are not covered over with concrete.
- Thrust restraint gaskets (in push-on joint types); "field lok gaskets" shall be utilized in deflected pipe joints.
- Mechanical joint fitting thrust restraint - ebaon sales, inc.; megalug series 1100, or approved equal to be utilized on all vertical bend fittings, all reducers and horizontal fittings (tees, bends, etc.) where concrete thrust blocks are not practical, reliable or subject to future disturbance.
- Gravity thrust blocks for vertical bends shall be used in conjunction with the previously noted M.J. thrust restraints. The gravity blocks located under the vertical fittings shall be anchored to the fittings with a minimum of two no.6 rebars looped around the fitting and anchored into the poured in place gravity thrust block.

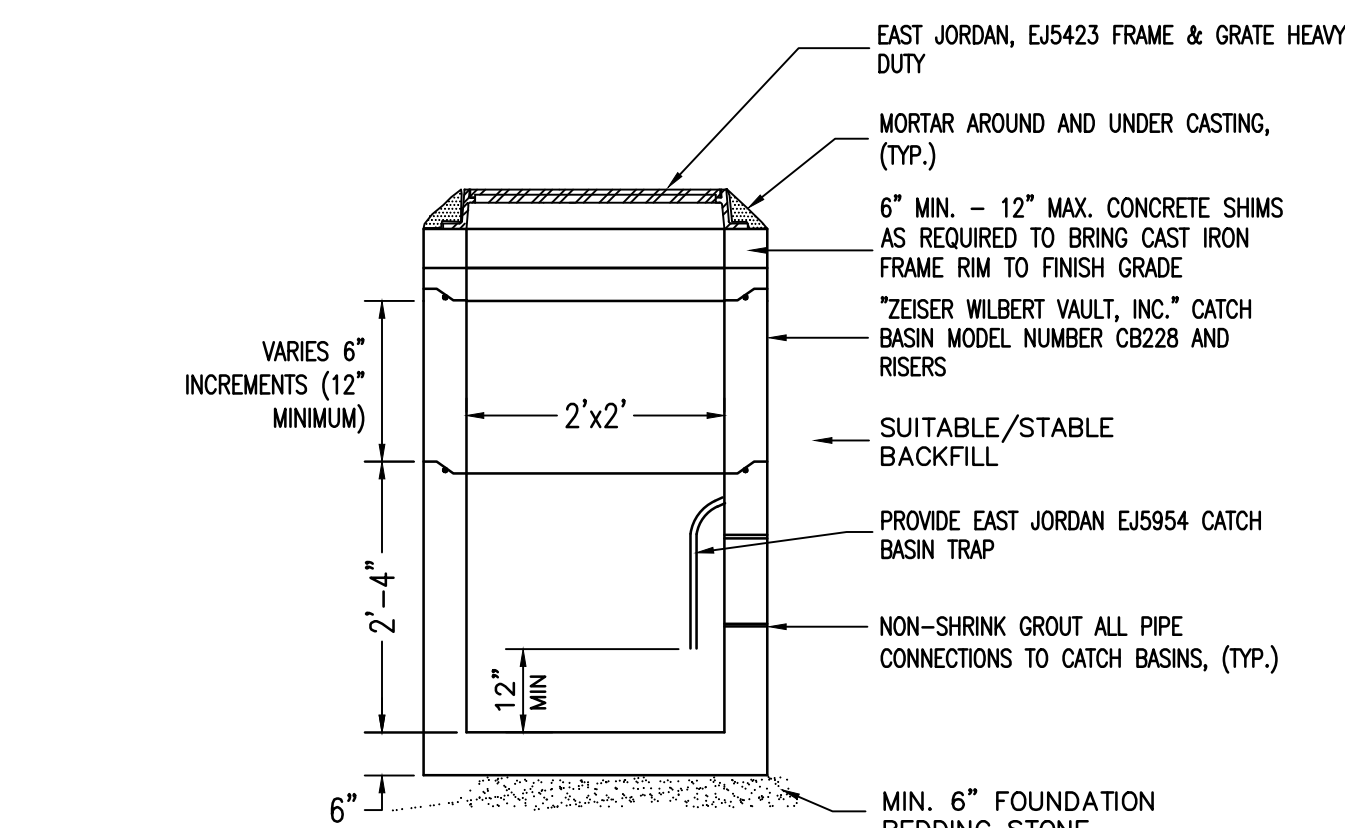
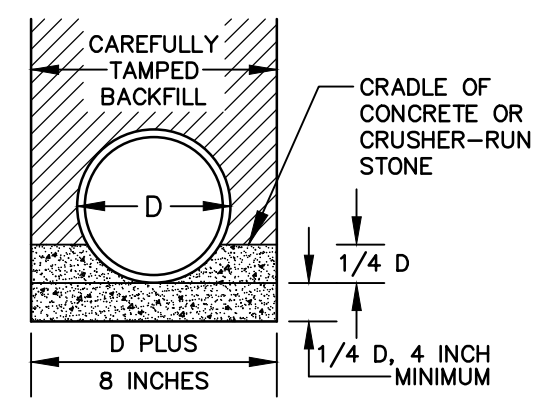


WATER CONNECTION DETAIL

N.T.S.

WATERMAIN / SEWER CROSSING DETAIL

CONDITION	SCHEMATIC	REQUIREMENTS
I WATER LINE ABOVE SEWER LINE		A) WATER LINE AND SEWER LINE PIPE LENGTHS TO BE CENTERED AT CROSSING. EACH LENGTH OF PIPE TO BE 10 FT. MIN.
II WATER LINE ABOVE SEWER LINE		A) WATER LINE AND SEWER LINE PIPE LENGTHS TO BE CENTERED AT CROSSING. EACH LENGTH OF PIPE TO BE 10 FT. MIN. B) WHEN BOTH WATER LINE AND SEWER LINE ARE NEW, SLEEVE SEWER LINE WITH STEEL CASING FOR 10 FT. EACH SIDE OF CROSSING. --OR-- WHEN ONE LINE IS EXISTING, SLEEVE PIPE BEING INSTALLED WITH STEEL CASING FOR 10 FT. EACH SIDE OF CROSSING.
III SEWER LINE ABOVE WATER LINE		A) WATER LINE AND SEWER LINE PIPE LENGTHS TO BE CENTERED AT CROSSING. EACH LENGTH OF PIPE TO BE 10 FT. MIN. B) SLEEVE SEWER LINE WITH "STEEL CASING FOR 10 FT." EACH SIDE OF CROSSING. C) PROVIDE CRADLE OF CONCRETE OR CRUSHER CRUSHER RUN STONE (SEE TRENCH SECTION DETAIL BELOW) FOR WATER LINE AND SEWER LINE FOR 10 FT. EACH SIDE OF CROSSING.
<p>NOTES:</p> <p>WL WATER LINE SL SEWER LINE D OUTSIDE DIAMETER OF PIPE</p> <p>IN NO CASE SHALL PIPES BE CLOSER THAN 12 INCHES APART. DISTANCES ARE MEASURED BETWEEN OUTSIDES OF PIPE.</p>		



2'x2' CATCH BASIN DETAIL

N.T.S.

Manufactured by: Practical Best Management - 1-800-748-6945 www.crystalstream.com

CrystalStream Technologies

THIS DRAWING IS COPYRIGHTED AND IS THE SOLE PROPERTY OF PRACTICAL BEST MANAGEMENT. UNAUTHORIZED REPRODUCTION OR DISTRIBUTION OF THIS DRAWING IS STRICTLY PROHIBITED BY THE COPYRIGHT OWNER.

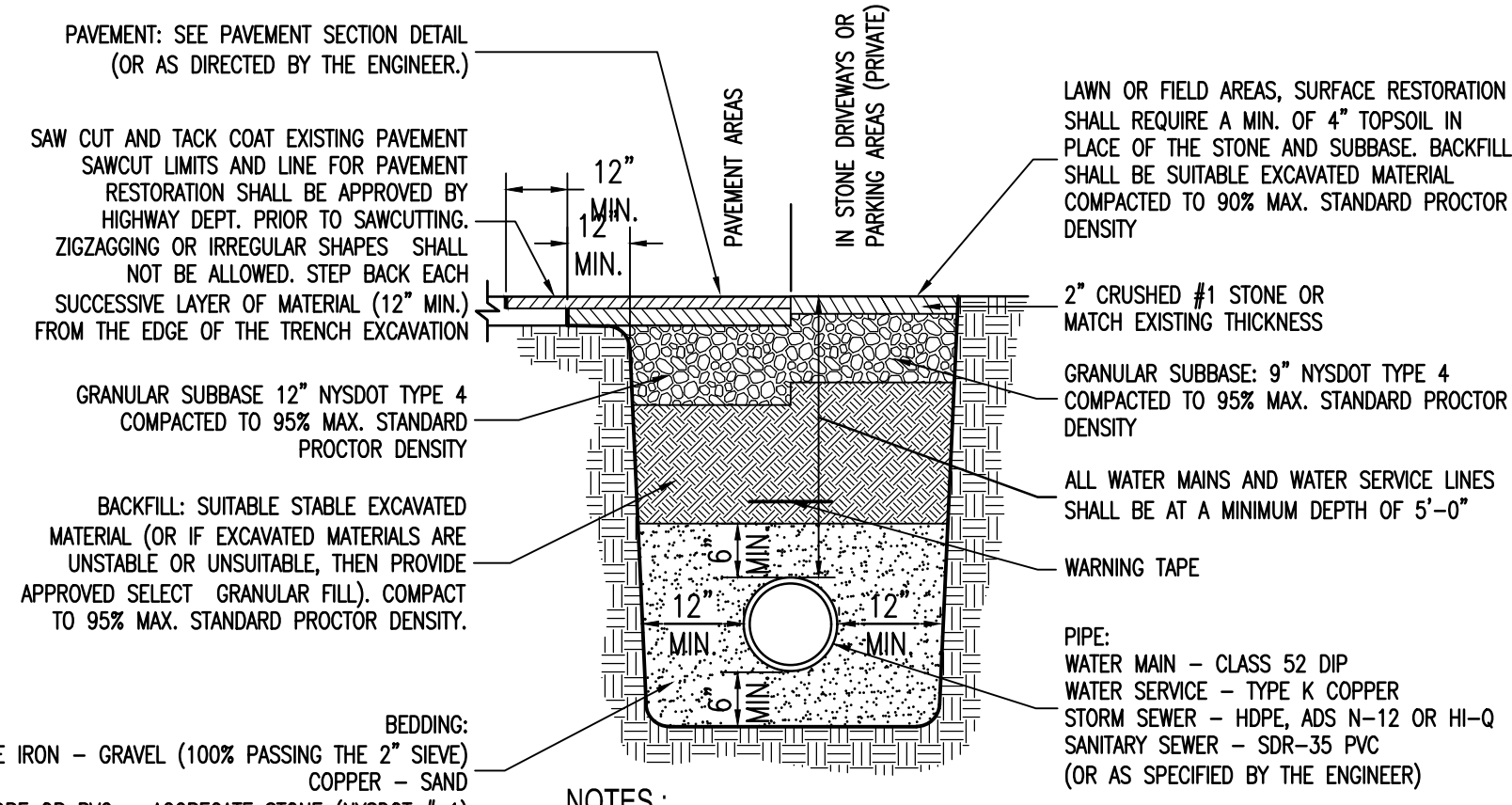
Protected by U.S. Patent No. 6, 839, 481; 6, 839, 482; 6, 839, 483; 6, 839, 484; 6, 839, 485; 6, 839, 486; 6, 839, 487; 6, 839, 488; 6, 839, 489; 6, 839, 490; 6, 839, 491; 6, 839, 492; 6, 839, 493; 6, 839, 494; 6, 839, 495; 6, 839, 496; 6, 839, 497; 6, 839, 498; 6, 839, 499; 6, 839, 500.

LEGEND

- ① CORRUGATED ALUMINUM SHEET 1/4\"/>

CrystalStream "CRYSTALCLEAN" WATER QUALITY VAULT MODEL "1266"

JURISDICTION: Lansing, NY



TYPICAL PIPE TRENCH DETAIL

N.T.S.

- NOTES:**
- Excavate trench to a safe side slope or provide trench bracing per OSHA standards.
 - Contractor shall keep all excavations free of water and provide a firm stable base for the pipe bedding.

FINAL PRINT
Copyright © 2020 Fagan Engineers

Rev.	Date	Description
8.	12/14/22	Site Plan Revisions
7.	11/28/22	Updated Sign/Utility Locations
6.	10/26/22	Per Town Comments
5.	06/16/22	Per NYSDOT Comments
4.	05/23/22	Revised Landscaping Plan
3.	05/03/22	Per NYSDOT Comments
2.	03/21/22	Preliminary Site Plan Submission
1.	07/29/21	Added Southern Fenceline

It is a Violation Of The New York Education Law, Article 145 Section 7209, For Any Person, Unless He 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 Seal And The Notation "Altered" Followed By His Signature And The Date Of Such Alteration, And A Specific Description Of The Alteration.

SEAL

PROPOSED DANDY MINI-MART
LANSING (T), TOMPKINS (Co.), NEW YORK

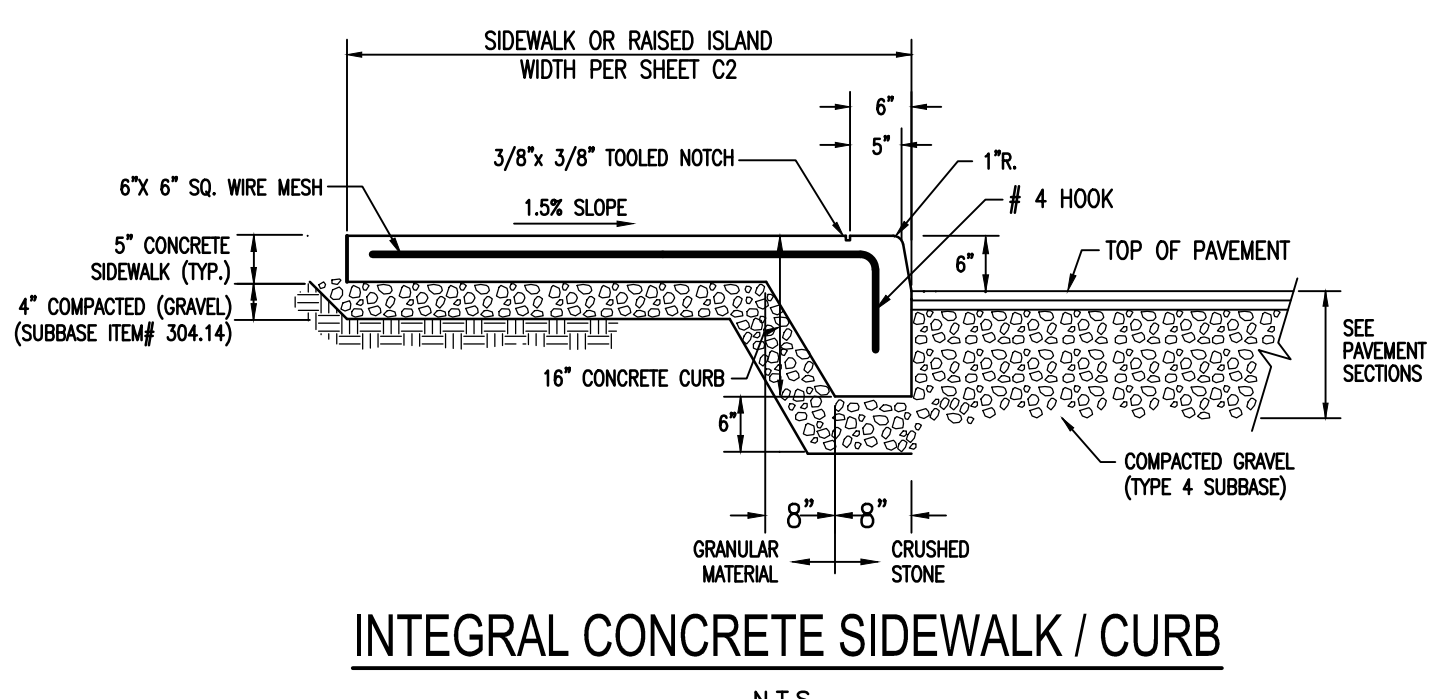
FAGAN ENGINEERS
6 LAND SURVEYORS PC

113 East Chemung Place
Elmira N.Y. 14904
Phone (607) 734-2165
Fax (607) 734-2169
www.FaganEngineers.com

Scale:	As Noted
Date:	November 30, 2020
Design By:	JBG, RSN
Drawn By:	RSN
Checked By:	JBG
Project No.:	2020.062
Drawing Name:	20062.dwg

CIVIL DETAILS

C9



INTEGRAL CONCRETE SIDEWALK / CURB
N.T.S.

CONCRETE CURB/SIDEWALK NOTES

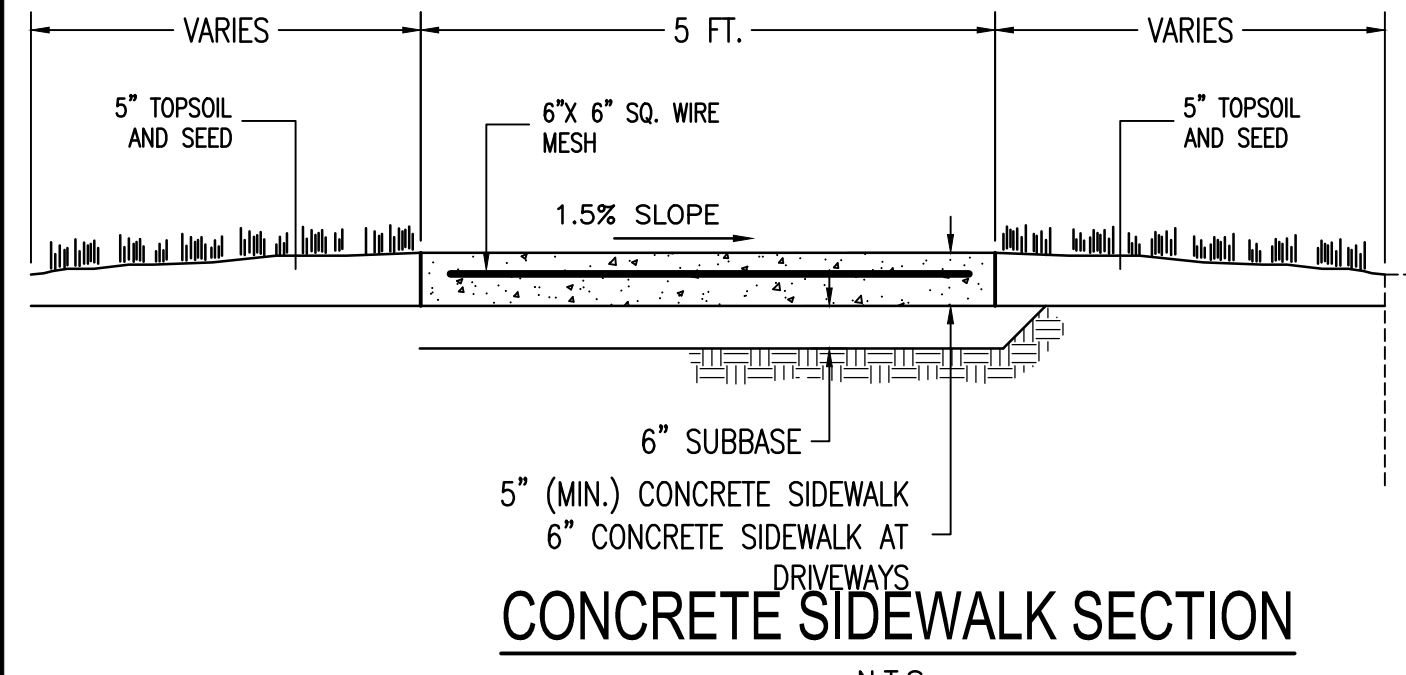
1. PROVIDE 4000 PSI (28 DAY COMPRESSIVE STRENGTH) CONCRETE, UTILIZING TYPE II PORTLAND CEMENT.
2. PROVIDE 5/8" WIDE ASPHALT IMPREGNATED FIBER BOARD CONTROL JOINTS IN SIDEWALK CONSTRUCTION AS FOLLOWS:
 - ADJACENT TO ALL CONCRETE CURBING
 - ADJACENT TO ALL BUILDING FOUNDATIONS/ WALLS
 - APPROXIMATELY EVERY 24 FT. IN LONG SIDEWALK RUNS.
3. SIDEWALK SHALL HAVE A LIGHT BROOM FINISH ACROSS THE WALK.
4. EDGES AND JOINTS SHALL BE ROUNDED BY AND EDGING TOOL ACCEPTABLE TO OWNER.
5. CONTRACTION JOINTS SHALL BE TOOLED TO FORM SQUARE BLOCKS.
6. RAMP SLOPE SHALL BE NO GREATER THAN 1:12 .
7. CONCRETE CURB / SIDEWALK SHALL BE COATED WITH A CURING COMPOUND AFTER FINISHES ARE COMPLETE.

SIDEWALK NOTES:

1. SIDEWALKS/RAMPS PROPOSED REQUIRE ADA COMPLIANT INSPECTIONS, THE ENGINEER WILL PERFORM THE REQUIRED PRE-POUR CONCRETE FORM INSPECTION, SIGN/DATE AND SUBMIT TO NYSOT PERMITS OFFICE.
2. AFTER COMPLETION OF SIDEWALK SUBMIT TO NYSOT PERMITS A COMPLETED, SIGNED AND SEALED CRITICAL SHEETS FOR THE DESIGN AND LAYOUT AND ACCEPTANCE OF PEDESTRIAN FACILITIES SHEETS CONFIRMING COMPLIANCE WITH ALL OTHER APPLICABLE CODES, STANDARDS, AND SPECIFICATIONS. IN INSTANCES WHERE NON-STANDARD FEATURES CANNOT BE AVOIDED A JUSTIFICATION FORM WILL NEED TO BE COMPLETED UNDER THE PROCESS FORMALIZED UNDER THE HIGHWAY DESIGN MANUAL CHAPTER 2 (REFER TO EXHIBIT 2-15A).

NYSOT NOTES:

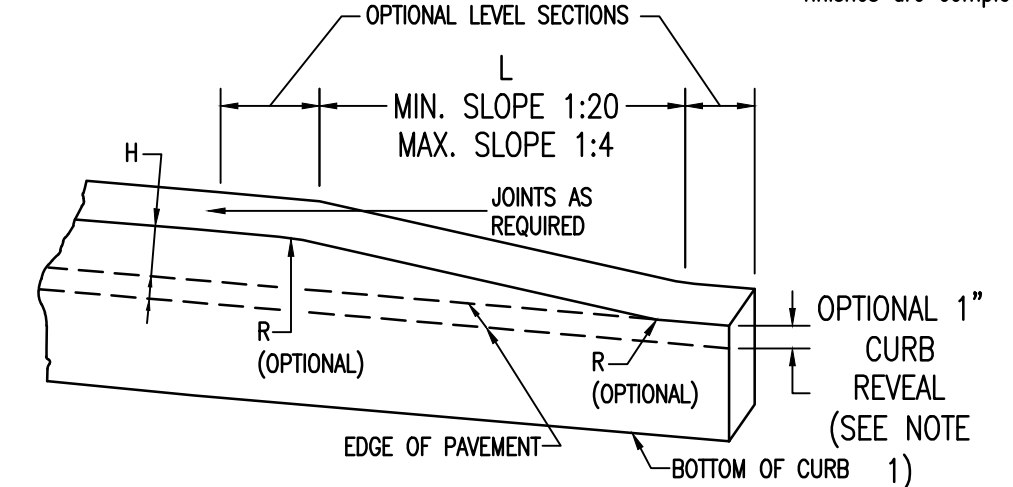
1. NYSOT HIGHWAY WORK PERMIT SHALL BE ISSUED AND PRESENT AT JOB LOCATION AT ALL TIMES WITH STAMPED NYSOT APPROVED PLANS.
2. SIGNS AND WORK ZONE TRAFFIC IS TO ADHERE TO FEDERAL MUTCD WITH STATE SUPPLEMENT.
3. CONSTRUCTION HOLIDAY LANE CLOSURE RESTRICTIONS SHALL BE ADHERED TO.
4. PERFORM UTILITY INSTALLATION WITHIN THE NYSOT ROW IN ACCORDANCE WITH NYSOT BLUE BOOK.
5. ALL TREE PLANTINGS AND ADVERTISING SIGNS SHALL BE OFF NYSOT ROW
6. CONTACT THE CENTRAL NEW YORK NYSOT RESIDENT ENGINEER SEVEN (7) DAYS BEFORE START OF WORK AT (315) 428-4640.
7. ROAD TO BE KEPT CLEAN AT ALL TIMES AND FREE OF ALL CONSTRUCTION DEBRIS.
8. ALL WORK ZONE SIGNS AND FLAGGERS SHALL BE OFF THE ROADWAY WHEN NOT IN USE.
9. NYSOT NON SEASONAL CONSTRUCTION IS NOT PERMITTED WITHIN THESE PLANS. ANOTHER REVIEW FROM NYSOT IS REQUIRED WHEN ASKING FOR NON SEASONAL WORK.
10. ANY PROPOSED CHANGES WITHIN THE NYSOT ROW REQUIRES TWO (2) WEEKS NOTICE TO THE CENTRAL NEW YORK REGION NYSOT PERMITS OFFICE AT (315) 428-4640.
11. NOTIFY DIG SAFELY TWO (2) DAYS PRIOR TO WORK.
12. ADHERE TO NYSOT PERMIT CLOSURE PROCESS FOR INSPECTION, BOND RELEASE, AND CLOSURE OF PERMIT.



CONCRETE SIDEWALK SECTION
N.T.S.

CONCRETE SIDEWALK NOTES

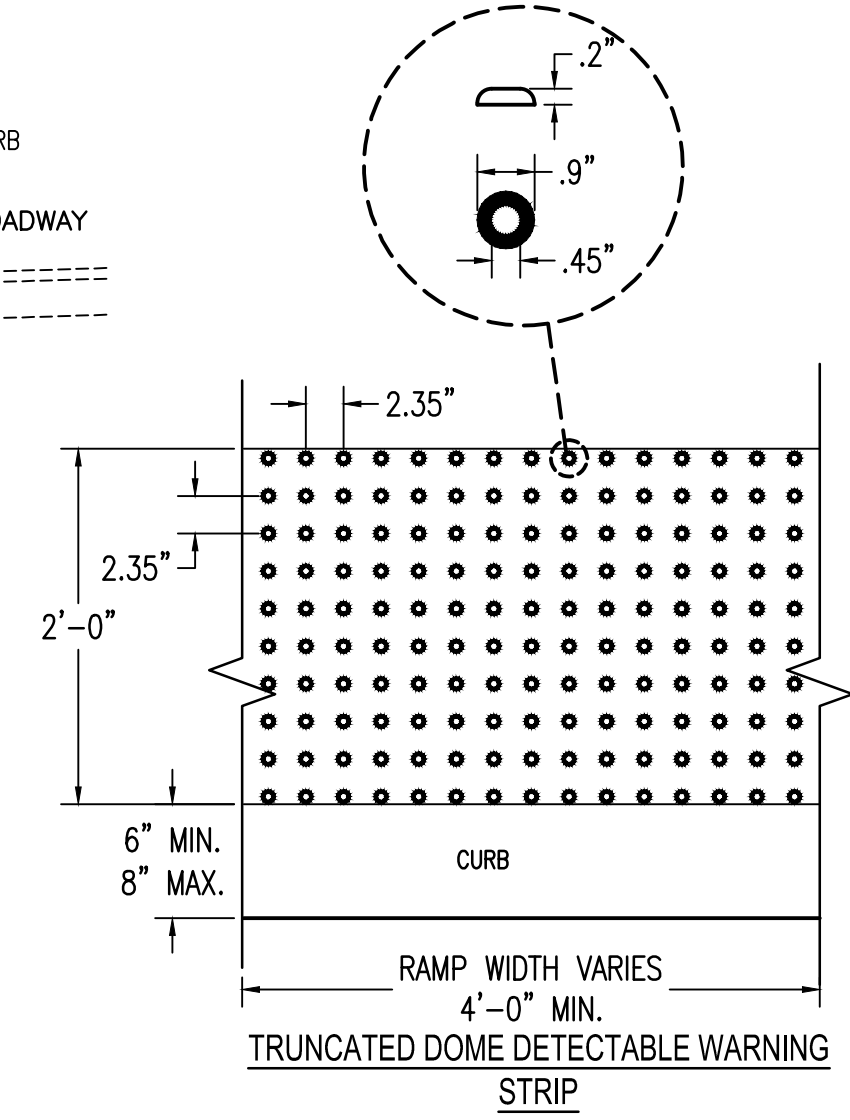
1. The Local Code Enforcement Officer shall be notified prior to repair of existing sidewalk or construction of new sidewalk within a public right-of-way.
2. Appropriate barricades shall be required for the entire construction period.
3. Provide 3500 psi (28 day compressive strength) concrete, utilizing Type II Portland cement and 6" x 6" sq. wire mesh reinforcement.
4. Provide 5/8" wide asphalt impregnated fiber board expansion joints in sidewalk construction as follows:
 - Adjacent to all concrete curbing and gutters.
 - Adjacent to all building foundations or walls.
 - Abutting yard walks, driveways or existing sidewalks.
 - Approximately every 20 ft. in long sidewalk runs.
5. Sidewalk shall have a light broom finish across the walk. Edges and joints shall be rounded by an edging tool.
6. Side walk shall be coated with a curing compound after finishes are complete.



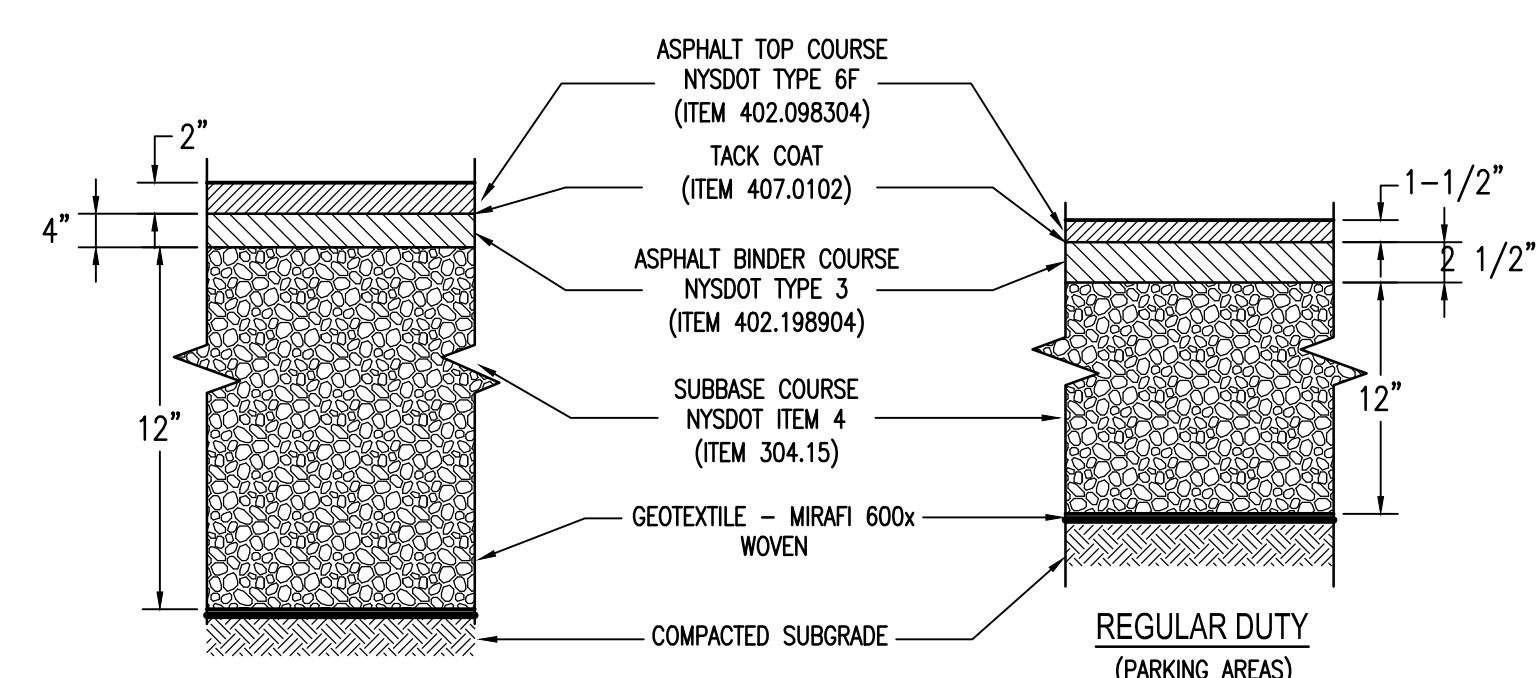
CURB TRANSITION LENGTHS (L)			
SLOPE	4"	16"	24"
1:4	16"	48"	80"
1:12	24"	72"	120"

CAST-IN-PLACE CONCRETE CURB TRANSITIONS
N.T.S.

- NOTES:**
1. USE 1" REVEAL AND CONTINUE CURB ACROSS DRIVEWAY ENTRANCES ONLY IF SHOWN IN THE CONTRACT DOCUMENTS, OR DIRECTED BY THE ENGINEER AS A FIELD CONDITION.
 2. TERMINATE CURB, CURB AND GUTTER, AND ASPHALT CURB BY TRANSITIONING ON A MAXIMUM SLOPE OF 1:12 TO PAVEMENT SURFACE, EXCEPT WHEN BEHIND GUIDE RAIL.
 3. EXTEND JOINT FILLER 6" MINIMUM BEHIND CURB ON BOTH SIDES OF CURB BOX, 705-07 NOT NEEDED WHEN VERTICAL FACED CURB WIDTH EQUAL TO WIDTH OF CURB BOX.



TRUNCATED DOME DETECTABLE WARNING STRIP



HEAVY DUTY (ACCESS ROADS & SERVICE AREAS)

REGULAR DUTY (PARKING AREAS)

NOTES:

1. ALL PAVEMENT AND BASE MATERIAL SHALL CONFORM TO NEW YORK STATE DEPT. OF TRANSPORTATION "STANDARD SPECIFICATIONS, CONSTRUCTION AND MATERIALS".
2. SUBGRADE AND SUBBASE SHALL BE COMPACTED TO 95% MAX. STANDARD PROCTOR DENSITY.
3. IF SUBGRADE IS UNSUITABLE OR UNSTABLE, UNDERCUT AND REPLACE WITH APPROVED SELECT GRANULAR FILL COMPACTED TO 95% MAX. STANDARD PROCTOR DENSITY.

DRIVEWAY PAVEMENT SECTIONS
N.T.S.

DEFINITION OF TERMS:

- DRIVEWAY** - EVERY ENTRANCE OR EXIT USED BY VEHICULAR TRAFFIC TO AND FROM LANDS OR BUILDINGS ABUTTING A HIGHWAY.
- RESIDENTIAL DRIVEWAY** - A DRIVEWAY SERVING FOUR OR FEWER PRIVATE HOMES OR AN APARTMENT BUILDING FOR FOUR OR FEWER FAMILY UNITS.
- COMMERCIAL DRIVEWAY** - A DRIVEWAY SERVING A COMMERCIAL ESTABLISHMENT, INDUSTRY, GOVERNMENT, OR EDUCATIONAL INSTITUTION, PRIVATE UTILITY, HOSPITAL, CHURCH, APARTMENT BUILDING, OR OTHER COMPARABLE TRAFFIC GENERATOR.
- MINOR COMMERCIAL DRIVEWAY** - ANY COMMERCIAL DRIVEWAY WHERE THE ACTUAL OR ANTICIPATED TRAFFIC VOLUME ON A TYPICAL DAY IS DEFINED BY THE DRIVEWAY POLICY AS DEFINED IN THE HIGHWAY DESIGN MANUAL, FROM CHAPTER 9, SPHERICAL.
- MINOR COMMERCIAL DRIVEWAY** - ANY COMMERCIAL DRIVEWAY WHERE THE ACTUAL OR ANTICIPATED TRAFFIC VOLUMES ON A TYPICAL DAY ARE LESS THAN THE VALUES STIPULATED FOR A MAJOR COMMERCIAL DRIVEWAY.
- FIELD ENTRANCE** - A DRIVEWAY SERVING A FARMWARD, CULTIVATED OR UNCULTIVATED FIELD, TIMBERLAND, OR UNDEVELOPED LAND NOT USED FOR INDUSTRIAL, COMMERCIAL, OR RESIDENTIAL PURPOSES.
- URBAN / RURAL** - THE AREA CHARACTER BASED ON NYSOT HIGHWAY DESIGN MANUAL CHAPTER 2, SECTION 2.4.
- DRIVEWAY OFFSET** - THE DISTANCE IN FEET MEASURED FROM THE INSIDE EDGE OF THE OUTERMOST TRAVEL LANE OR TURNING LANE, TO THE HIGHWAY EDGE OF PAVEMENT. THE DISTANCE IS EQUAL TO THE WIDTH OF THE OUTERMOST LANE AND THE WIDTH OF THE PAVED SHOULDER, OR CURB OFFSET.
- HIGHWAY EDGE OF PAVEMENT** - THE OUTSIDE EDGE OF THE PAVED HIGHWAY SURFACE.
- SHOULDER WIDTH** - THE WIDTH IN FEET OF PAVED SHOULDER INCLUDING A PARKING LANE, BIKI LANE, CURB OFFSET, OR OTHER PAVED AREA OUTSIDE OF THE TRAVEL LANE.
- MINIMUM PAVING LIMIT (MPL)** - THE MINIMUM DISTANCE IN FEET MEASURED ALONG THE CENTERLINE OF A DRIVEWAY FROM THE OUTSIDE EDGE OF THE OUTERMOST TRAVEL LANE THAT A DRIVEWAY MUST BE PAVED UNLESS THE SHOULDER WIDTH:
- PAVEMENT LENGTH (PL)** - THE DISTANCE IN FEET MEASURED ALONG THE CENTERLINE OF A DRIVEWAY FROM THE HIGHWAY EDGE OF PAVEMENT TO THE END OF PROPOSED DRIVEWAY PAVEMENT.
- TRANSITION LENGTH (TL)** - THE DISTANCE IN FEET MEASURED ALONG THE CENTERLINE OF A DRIVEWAY BEYOND THE DRIVEWAY PAVEMENT LENGTH (PL) TO THE END OF PROPOSED DRIVEWAY PAVEMENT. THE TRANSITION LENGTH (TL) IS TYPICALLY USED FOR GRADING, LAYOUT, OR TRANSITION REASONS. THE TRANSITION LENGTH (TL) ONLY APPLIES TO DRIVEWAYS THAT ARE IMPROVED.
- BUFFER ZONE** - A PHYSICAL DISTANCE SEPARATING THE PEDESTRIAN ACCESS ROUTE AND THE VEHICLE TRAVELED WAY. THE BUFFER ZONE BUFFERS PEDESTRIANS FROM TRAFFIC AND APPURTENANCES. THE BUFFER ZONE MAY BE PLANTED OR PAVED.
- SHARED-USE PATH (SUP)** - A BICYCLE AND PEDESTRIAN FACILITY, TYPICALLY WITHIN THE RIGHT-OF-WAY, SEPARATED FROM MOTORIZED VEHICULAR TRAFFIC BY A BUFFER ZONE OR BARRIERS. REFER TO HIGHWAY DESIGN MANUAL CHAPTER 17 AND ASBESTO GUIDE FOR THE DEVELOPMENT OF BICYCLE FACILITIES FOR BUFFER ZONES, ON BUFFER ZONE WIDTH AND SEPARATION OF SHARED USE PATHS FROM ROADWAYS.
- SIDEWALK** - A SHORTLY, STABLE AND SLIP RESISTANT EXTERIOR PATHWAY INTENDED FOR PEDESTRIAN USE ALONG A VEHICULAR WAY SEPARATED WITH A CURB OFFSET.
- HMA** - HOT MIX ASPHALT
- POC** - PORTLAND CEMENT CONCRETE

DESIGN ELEMENT TOLERANCES		
ELEMENT	DESIGN AND FIELD LAYOUT LIMIT	LIMIT FOR WORK ACCEPTANCE
SIDEWALK CROSS SLOPE - SEE NOTE 12	1.5% MAX.	2.0% MAX.
SIDEWALK GRADE RUNNING SLOPE - SEE NOTE 11	4.5% MAX.	5.0% MAX.
CURB RAMP GRADE RUNNING SLOPE - SEE NOTE 21	7.5% MAX.	8.3% MAX.
BLENDED TRANSITION GRADE RUNNING SLOPE - SEE NOTE 7	4.5% MAX.	5.0% MAX.

NOTES REFERENCED IN THE TABLE ABOVE CAN BE FOUND ON STANDARD SHEET 608-01 SHEET 1 OF 9. ALL VALUES SHOWN ON THE 608-03 STANDARD SHEETS REFER TO DESIGN AND FIELD LAYOUT LIMITS. FOR ADDITIONAL REQUIREMENTS AND TOLERANCES, SEE "CRITICAL ELEMENTS FOR THE DESIGN, LAYOUT, AND CONSTRUCTION OF PEDESTRIAN FACILITIES" AVAILABLE ON THE NYSOT HIGHWAY DESIGN MANUAL CHAPTER 18 WEBSITE.

GENERAL NOTES FOR DRIVEWAY STANDARD SHEETS

1. THE DRIVEWAY STANDARD SHEETS APPLY TO FIELD ENTRANCES, RESIDENTIAL DRIVEWAYS AND MINOR COMMERCIAL DRIVEWAYS. FIELD ENTRANCES AND RESIDENTIAL DRIVEWAYS ACCOMMODATE AN ASHITO SINGLE UNIT PASSENGER CAR DESIGN VEHICLE. MINOR COMMERCIAL DRIVEWAYS ACCOMMODATE AN ASHITO SINGLE UNIT TRUCK DESIGN VEHICLE.
2. DRIVEWAY WORK PERFORMED OFF THE RIGHT-OF-WAY REQUIRES AN EASEMENT OR A DRIVEWAY RELEASE. A DRIVEWAY RELOCATION WILL REQUIRE A TEMPORARY EASEMENT MAP.
3. IF COMMERCIAL PROPERTY DEVELOPMENT PLANS AND HMA OR HMA OR HMA ACCESS TO A STATE HIGHWAY A COMMERCIAL HIGHWAY WORK PERMIT APPLICATION FORM PERM 33-000 MUST BE FILLED OUT AND SUBMITTED TO THE REGIONAL PERMIT COORDINATOR.
4. SEE THE DRIVEWAY TABLE IN THE CONTRACT PLANS FOR SPECIFIC DRIVEWAY LOCATIONS, WIDTHS (W), CORNER ANGLES, LENGTHS (L), MATERIALS, AND ENTRANCE TYPE.
5. DETECTABLE WARNING SURFACES SHALL BE PROVIDED WHERE THE PEDESTRIAN ACCESS ROUTE CROSSES DRIVEWAYS WITH SIGNAL, YIELD OR STOP CONTROL. DETECTABLE WARNING SURFACES SHALL NOT BE PROVIDED AT CROSSINGS OF UNCONTROLLED DRIVEWAY APPROX.
6. THE TAPER METHOD IS GENERALLY NOT RECOMMENDED FOR DRIVEWAYS WITH A DRIVEWAY OFFSET LESS THAN 15 FEET, UNLESS IT CAN BE FIELD VERIFIED THAT THE DRIVEWAY ENTRANCE WIDTH WILL ACCOMMODATE THE VEHICLES THAT USE THE DRIVEWAY ON A REGULAR BASIS.
7. TYPE 3 AND TYPE 4 DRIVEWAY ENTRANCES CAN BE USED WITHOUT CURB IF A TAPER STYLE ENTRANCE BETTER MATCHES THE HIGHWAY CORRIDOR AESTHETICS OR SPECIFIC SITE CONDITIONS THAN A RADIUS STYLE ENTRANCE.
8. UP TO 10" OF HMA MAY BE REQUIRED FOR HEAVY TRUCKS PER CONTRACT DOCUMENTS.
9. UP TO 9" OF PCC MAY BE REQUIRED FOR HEAVY TRUCKS PER CONTRACT DOCUMENTS.
10. UP TO 12" OF SUBBASE MAY BE REQUIRED FOR HEAVY TRUCKS PER CONTRACT DOCUMENTS.
11. THE DETAILS SHOW THE PAVEMENT LENGTH (PL) EXTENDING TO THE MINIMUM PAVING LIMIT (MPL). HOWEVER, THE "PL" CAN EXTEND BEYOND THE "MPL" AS SPECIFIED IN THE CONTRACT DOCUMENTS.
12. A DRIVEWAY TYP-UP SECTION SHOULD EXTEND TO A LOGICAL TERMINAL EXAMPLES: SIDEWALK EDGE, WHERE THE DRIVEWAY GRADE MATCHES EXISTING GRADING, OR LAYOUT POINTS. FOR REFERENCE, A REASONABLE LENGTH FOR TAPERING THE TYP-UP SECTION BACK TO THE EDGE OF DRIVEWAY IS 3 TO 4 TIMES THE LENGTH OF CURB DROP. THE TYP-UP SECTION IS NOT PART OF THE DRIVEWAY OPENING WIDTHS REFER TO NYSOT STANDARD SHEET 609-02 "MISCELLANEOUS CURB DETAILS" FOR THE CURB TRANSITION.
13. TO DETERMINE THE LIMITS OF SHOULDER RECONSTRUCTION, REFER TO THE DRIVEWAY OPENING TABLES ON SHEET 4 FOR 90° SHOULDER OFFSETS.
14. FOR PCC SHOULDER, SEE STANDARD SHEET 502-02 FOR LONGITUDINAL JOINT DETAILS.
15. DIMENSIONS AND ANGLES MAY BE INTERPOLATED FOR VALUES OTHER THAN THOSE SHOWN IN THE TABLES.
16. THE SHOULDER PAVEMENT THICKNESSES SHOWN ARE DEFAULT VALUES UNLESS OTHERWISE SHOWN IN THE PLANS. MATERIALS SHALL BE AS SPECIFIED IN THE CONTRACT DOCUMENTS.
- WIDTH / LENGTH**
17. WHERE THERE ARE CONSTRAINTS THAT PREVENT THE CONSTRUCTION OF THE DRIVEWAY USING EITHER OF THE LAYOUT METHODS, THE ENGINEER MAY SPECIFY A SMALL CORNER CURB RADIUS OF 2" OR A 1/2" RADIUS CURB ALONG LOW SPEED ROADWAYS. PROVIDED THE DRIVEWAY MEETS THE REQUIREMENTS OF THE "DRIVEWAY OPENING" TABLES ON SHEET 4.
18. FOR RESIDENTIAL DRIVEWAYS, THE MINIMUM PAVING LIMIT SHALL BE 10' FROM THE OUTSIDE EDGE OF TRAVEL LANE OR 2' BEHIND ANY SIDEWALK, IF PRESENT, WHICHEVER IS GREATER. FOR MINOR COMMERCIAL DRIVEWAYS, THE MINIMUM PAVING LIMIT SHALL BE 30' FROM THE OUTSIDE EDGE OF TRAVEL LANE OR 2' BEHIND ANY SIDEWALK, IF PRESENT, OR EXTEND TO THE RIGHT-OF-WAY LINE, WHICHEVER IS GREATER. THE PAVING LIMIT MAY EXTEND BEYOND THE MINIMUM PAVING LIMIT FOR NEW DRIVEWAYS AND TO TRANSITION TO EXISTING PAVED DRIVEWAYS, THE PAVING LIMIT WILL BE NOTED IN THE DRIVEWAY TABLE OF THE CONTRACT PLANS.
19. FOR GRADING AND CONSTRUCTION REQUIREMENTS OF DRIVEWAYS FROM PLACED HMA TO EXISTING HMA DRIVEWAYS, REFER TO DETAIL 9 - "HMA TO EXISTING DRIVEWAYS" ON SHEET 9, AND TABLE 3 - "DRIVEWAY MATERIALS AND THICKNESSES" ON SHEET 2.
20. FOR PCC DRIVEWAYS, REFER TO THE 502 SERIES STANDARD SHEETS FOR METAL REINFORCEMENT, JOINT TIES, SAWING AND SEALING, ETC.
21. A 5' MINIMUM BUFFER ZONE SHALL BE USED UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS.

SITE CONDITIONS SIDEWALK / CURBS

22. ANY PCC SIDEWALK WHICH CROSSES A DRIVEWAY SHALL HAVE A MINIMUM THICKNESS OF 6" AND INCLUDE STEEL WIRE REINFORCEMENT WITH 3" OF TOP COVER.
23. FOR GRADE CHANGES REFER TO THE DRIVEWAY PROFILES ON SHEET B. VERTICAL CURVES ARE RECOMMENDED TO CONNECT TANGENTS. SEE TABLE 5 - "MINIMUM LENGTH OF VERTICAL CURVE" ON SHEET 2 FOR TYPICAL VERTICAL CURVE LENGTHS 1:1.
24. WHERE THE EXISTING GRADE OF THE DRIVEWAY PROFILE IS LESS THAN OR EQUAL TO 2% MATCH THE CROSS SLOPE OF THE SIDEWALK TO THE EXISTING DRIVEWAY PROFILE GRADE.
25. WHERE THE EXISTING GRADE OF THE DRIVEWAY PROFILE EXCEEDS 2% SHARPEN THE DRIVEWAY AND RECONSTRUCT A MINIMUM OF 2' ON BOTH SIDES OF THE SIDEWALK, TO TRANSITION FROM THE EXISTING GRADE OF THE DRIVEWAY PROFILE TO THE SIDEWALK CROSS SLOPE.
26. TO PREVENT DRIVEWAY GRADES FROM EXCEEDING THE VALUES IN TABLE 9 - "MAXIMUM DRIVEWAY SLOPE" ON SHEET 2, IT MAY BE NECESSARY TO DEPRESS THE SIDEWALK ACROSS THE DRIVEWAY. SIDEWALK RAMP SHALL HAVE THE LEAST RUNNING SLOPE POSSIBLE, WITH A MAXIMUM DESIGN AND LAYOUT SLOPE OF 7.5%. THE RUNNING SLOPE FOR WORK ACCEPTANCE SHALL BE A MAXIMUM OF 8.3%. WHERE EXISTING CONDITIONS DO NOT ALLOW THE CONSTRUCTION OF A SIDEWALK RAMP AT 8.3% OR LESS RUNNING SLOPE, THE RAMP LENGTH SHALL NOT BE REQUIRED TO EXCEED 15'-0" FOR WORK ACCEPTANCE.
27. WHERE DRAINAGE IS CARRIED ALONG THE CURB, CONSTRUCT THE DRIVEWAY WITH A SHORT UPGRADE TO PREVENT RUNOFF FROM THE DRIVEWAY ENTRANCE PLAT GRADE. THE ADDITION OF A SHORT UPGRADE IMPROVES THE CURB REVEAL AND CONTINUE CURB ACROSS THE DRIVEWAY OPENING. TYPICALLY, CURB REVEAL WILL NOT BE CONSTRUCTED IN RURAL AREAS. IF CURB REVEAL IS SPECIFIED FOR A SPECIFIC DRIVEWAY, IT WILL BE NOTED IN THE DRIVEWAY TABLE OF THE CONTRACT PLANS IN THE COMMENTS COLUMN.

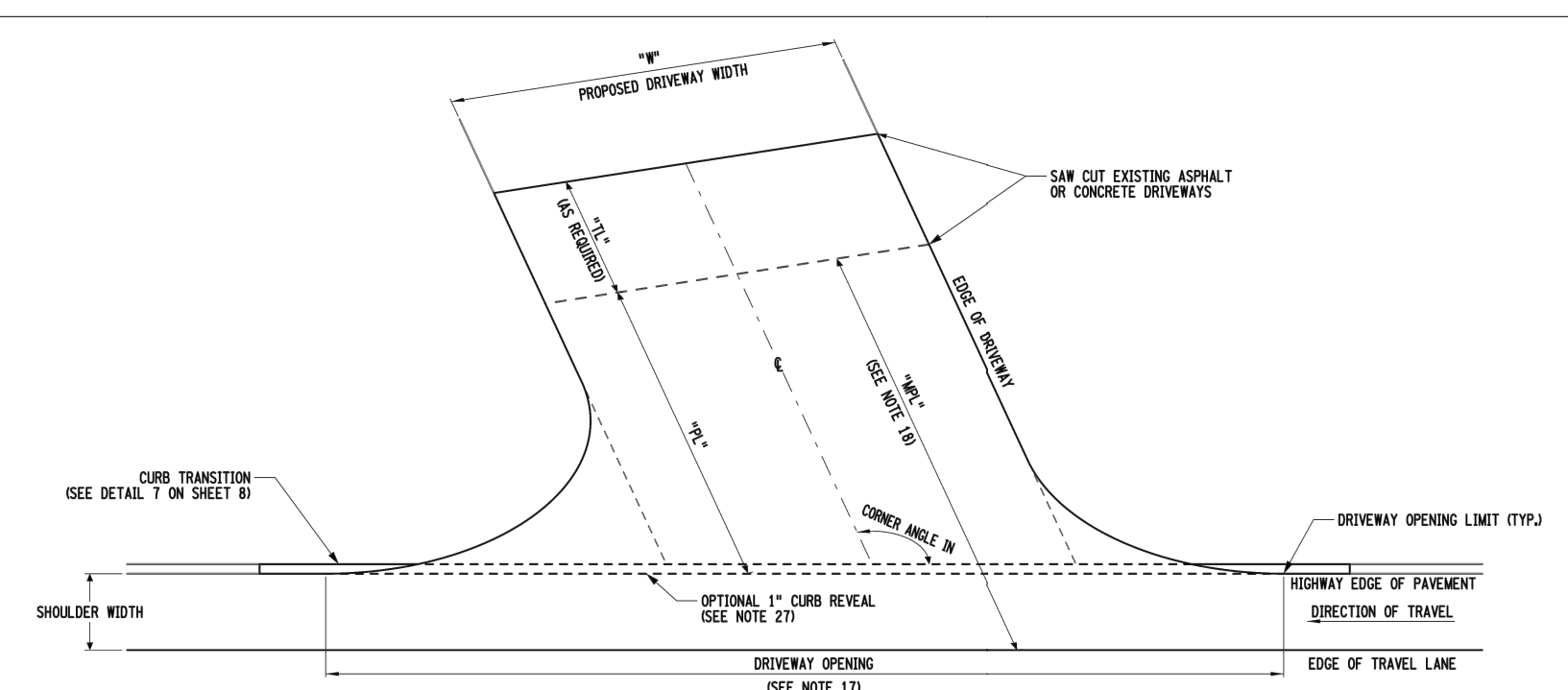
ENTRANCE TYPE:

28. THE ENGINEER MAY INTERCHANGE TYPE 1, TYPE 3 AND TYPE 4 RESIDENTIAL DRIVEWAYS TO BETTER MATCH THE EXISTING ENTRANCE TYPE ALONG THE HIGHWAY CORRIDOR WHILE CONSIDERING AVAILABLE SPACE, CONSTRUCTION, SAFETY, AND FUNCTIONALITY. THE DRIVEWAY TYPE SHALL COMPLY WITH TABLE 4 - "DRIVEWAY ENTRANCE TYPE SELECTION" ON SHEET 2.
29. FOR DRIVEWAYS WITH VARYING WIDTHS AND/OR CURVED ALIGNMENTS, DETERMINE THE DRIVEWAY WIDTH AND CORNER ANGLE 20'-0" FROM THE EDGE OF TRAVEL LANE.
30. FOR A ONE-WAY DRIVEWAY ENTRANCE OR EXIT, THE DRIVEWAY ENTRANCE WIDTHS IS ONLY NECESSARY ON ONE SIDE OF THE DRIVEWAY TO ACCOMMODATE THE SHARPER TURNING MOVEMENT. THE MINIMUM DRIVEWAY WIDTHS WILL BE IDENTIFIED ON THE DRIVEWAY TABLE OF THE CONTRACT PLANS UNDER COMMENTS. FOR CURBED DRIVEWAYS, A SMALL CORNER CURB RADIUS OF 2" OR 1/2" RADIUS CURB ALONG LOW SPEED ROADWAYS SHALL BE CONSTRUCTED TO ELIMINATE A SHARP CORNER BEHIND IN THE CURB LINE WHICH IS SAFER FOR SHARPER OPERATIONS.

MATERIALS:

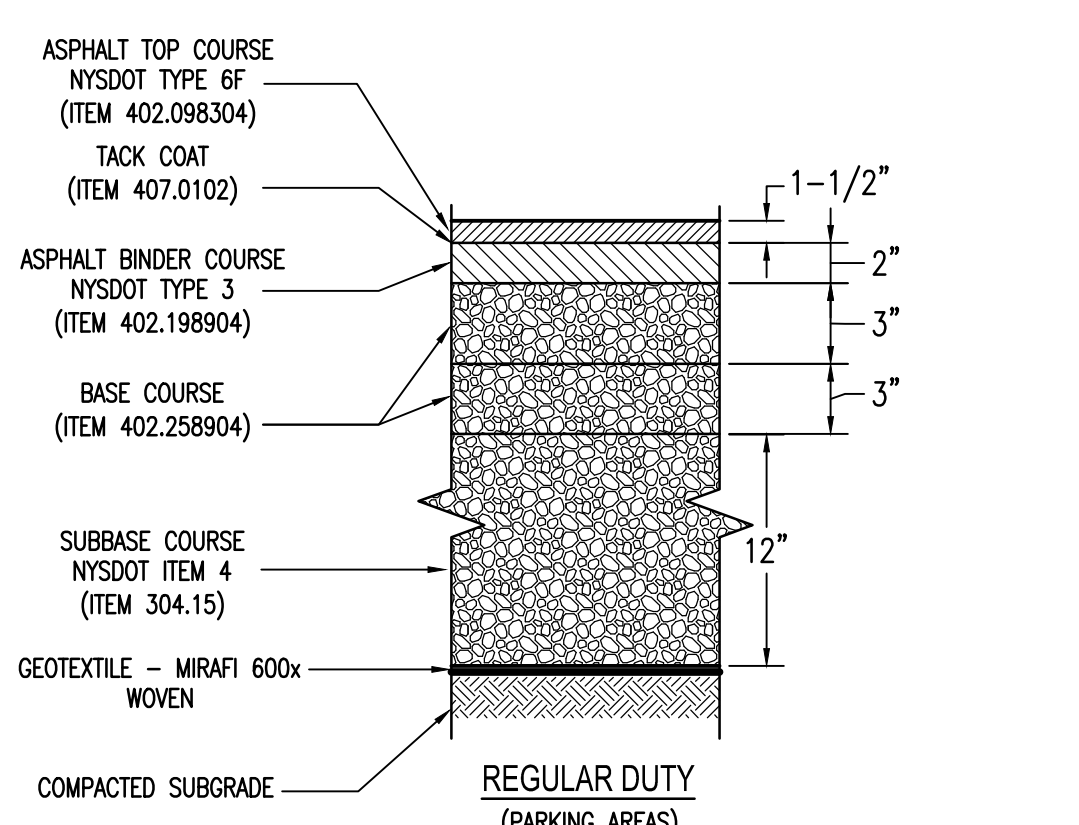
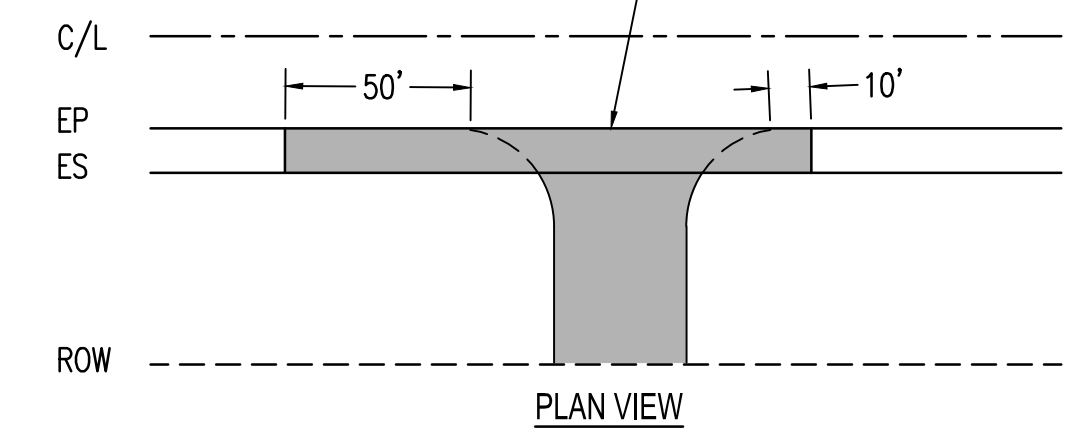
31. FOR DRIVEWAY MATERIAL REQUIREMENTS, USE TABLE 3 - "DRIVEWAY MATERIALS AND THICKNESSES" ON SHEET 2.
32. FOR FIELD ENTRANCES, THE MATERIAL WITHIN THE PAVEMENT LENGTH (PL) CAN CONSIST OF GRAVEL OR STONE AND BE CONNECTED TO THE EDGE OF THE HIGHWAY SHOULDER WITHOUT REMOVING ANY OF THE EXISTING SHOULDER MATERIAL.

NEW YORK STATE DEPARTMENT OF TRANSPORTATION
U.S. CUSTOMARY STANDARD SHEET
RESIDENTIAL AND MINOR COMMERCIAL DRIVEWAYS (SHEET 1 OF 9)
APPROVED MARCH 07, 2016 ISSUED UNDER EB 16-012
/s/ RICHARD W. LEE, P.E. DEPUTY CHIEF ENGINEER (DESIGN) 608-03



TYPE 1 DRIVEWAY ENTRANCE
NOTE: SEE RADIUS METHOD OF LAYOUT ON SHEET 3

NEW YORK STATE DEPARTMENT OF TRANSPORTATION
U.S. CUSTOMARY STANDARD SHEET
RESIDENTIAL AND MINOR COMMERCIAL DRIVEWAYS (SHEET 5 OF 9)
APPROVED MARCH 07, 2016 ISSUED UNDER EB 16-012
/s/ RICHARD W. LEE, P.E. DEPUTY CHIEF ENGINEER (DESIGN) 608-03



SHOULDER REPAIR PAVEMENT SECTIONS
N.T.S.

Rev.	Date	Description
8.	12/14/22	Site Plan Revisions
7.	11/12/22	Updated Sign/Utility Locations
6.	10/26/22	Per Town Comments
5.	06/16/22	Per NYSOT Comments
4.	05/23/22	Revised Landscaping Plan
3.	05/03/22	Per NYSOT Comments
2.	03/21/22	Preliminary Site Plan Submission
1.	07/29/21	Added Southern Fence Line

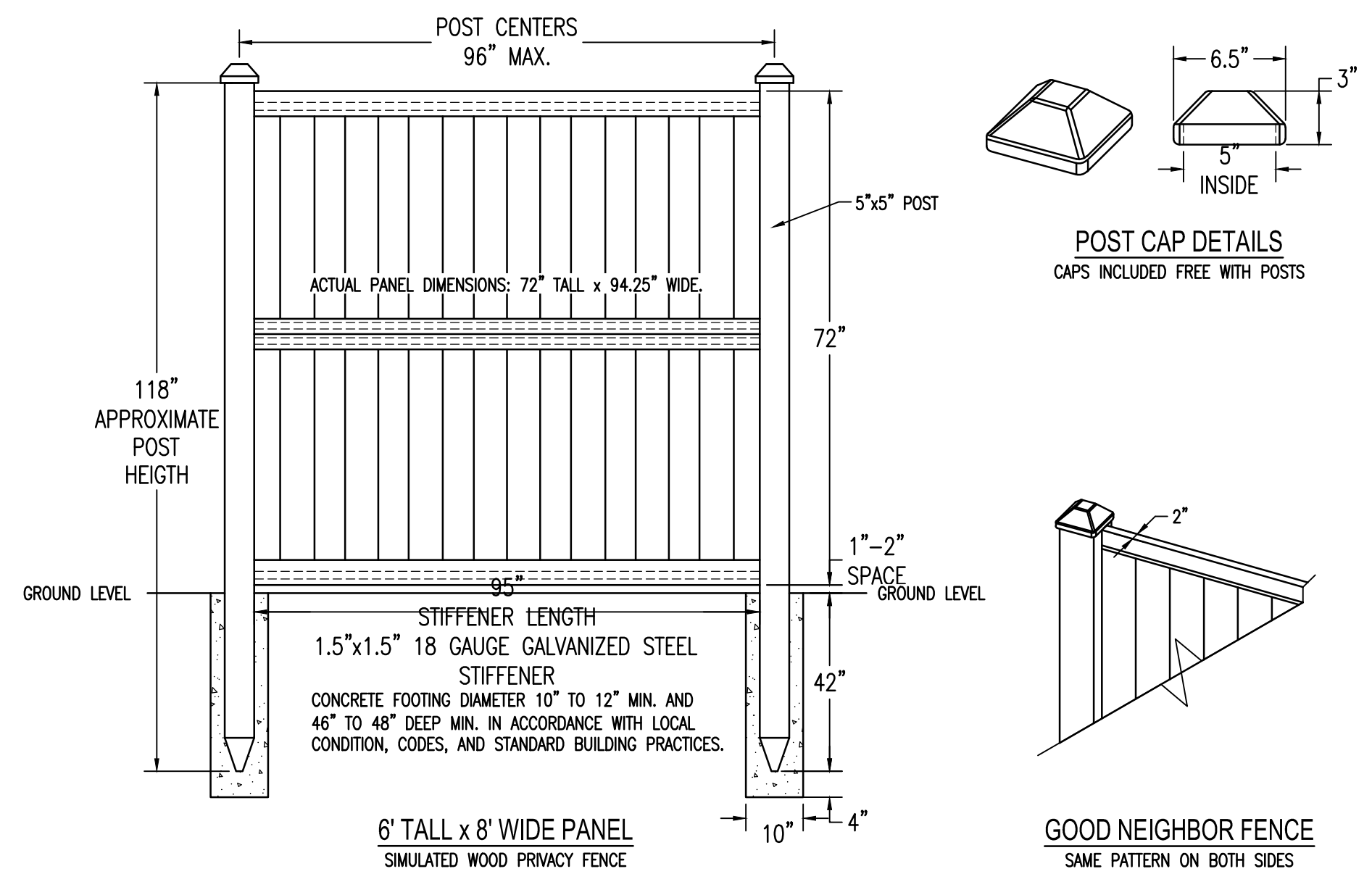
It is a Violation Of The New York Education Law, Article 145 Section 7209. For Any Person, Unless He is Acting Under The Direction Of A Licensed Professional Engineer Or Land Surveyor To Alter An Item In Any Way, If An Item Bearing The Seal Of An Engineer Or Land Surveyor Is Altered, The Altering Engineer Or Land Surveyor Shall Affix To The Item His Seal And The Notation "Altered By" Followed By His Signature And The Date Of Such Alteration, And A Specific Description Of The Alteration.

PROPOSED DANDY MINI-MART
LANSGING (T), TOMPKINS (Co.), NEW YORK

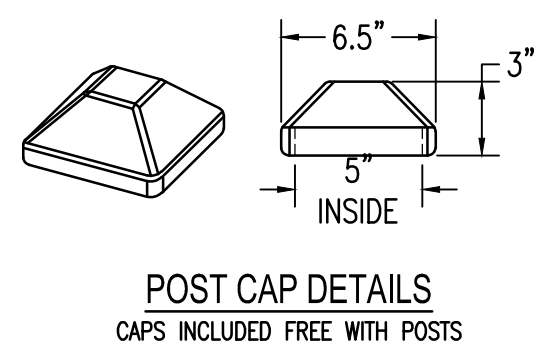
FAGAN ENGINEERS & LAND SURVEYORS PC
113 East Chemung Place
Elmira N.Y. 14904
Phone (607) 734-2165
Fax (607) 734-2169
www.FaganEngineers.com

Scale: As Noted
11x17 Prints are 1/2 Size
Date: November 30, 2020
Design By: JBG, RSN
Drawn By: RSN
Checked By: JBG
Project No.: 2020.062
Drawing Name: 20062.dwg

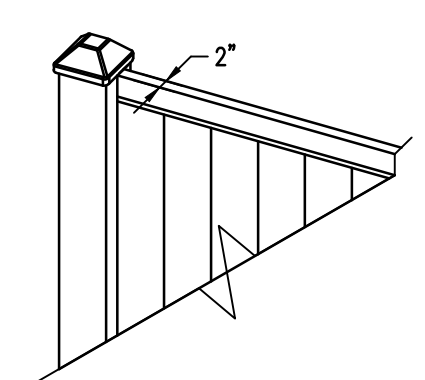
CIVIL DETAILS
FINAL PRINT
Copyright © 2020 Fagan Engineers
G10



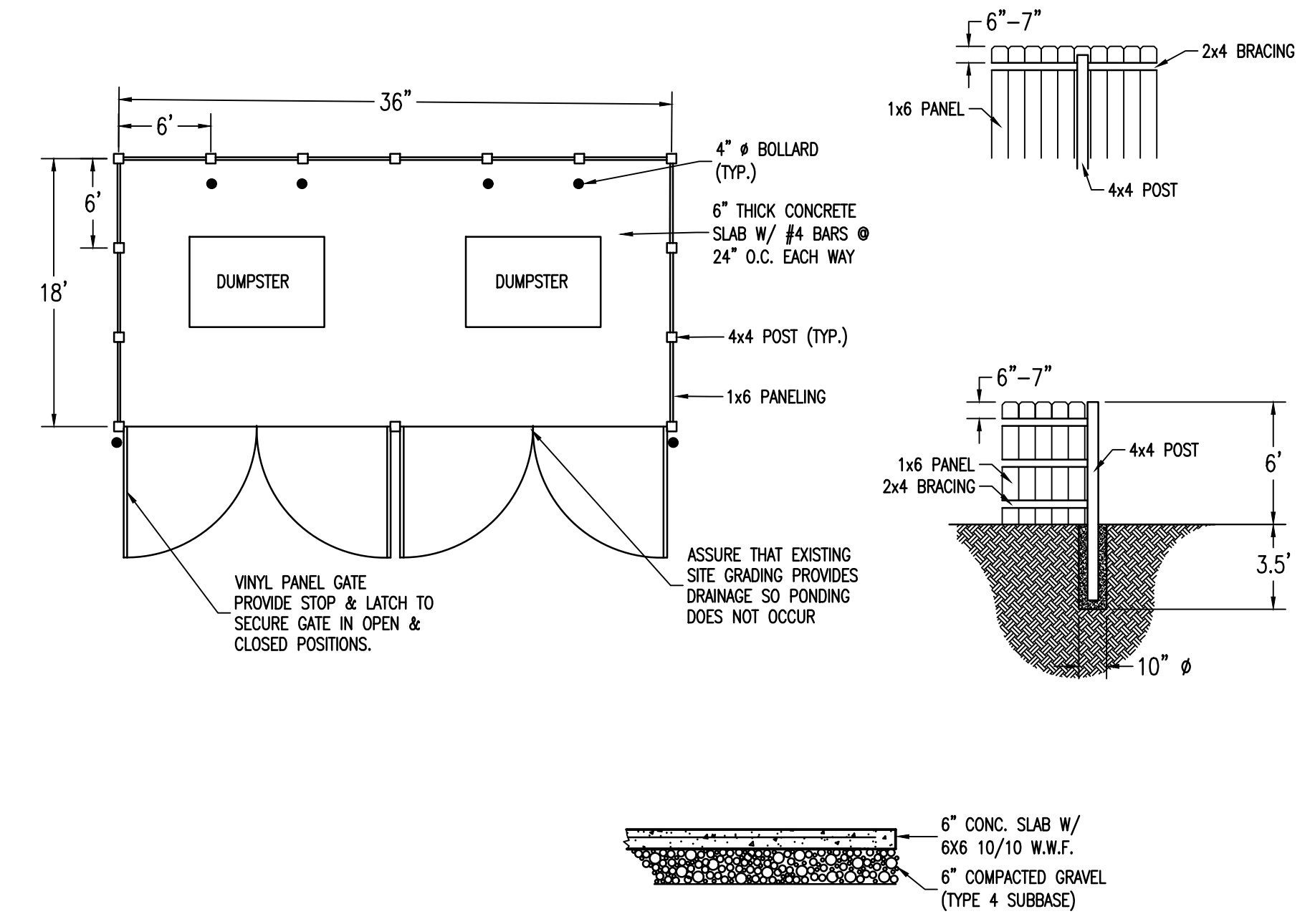
VINYL PRIVACY FENCE DETAIL
N.T.S.



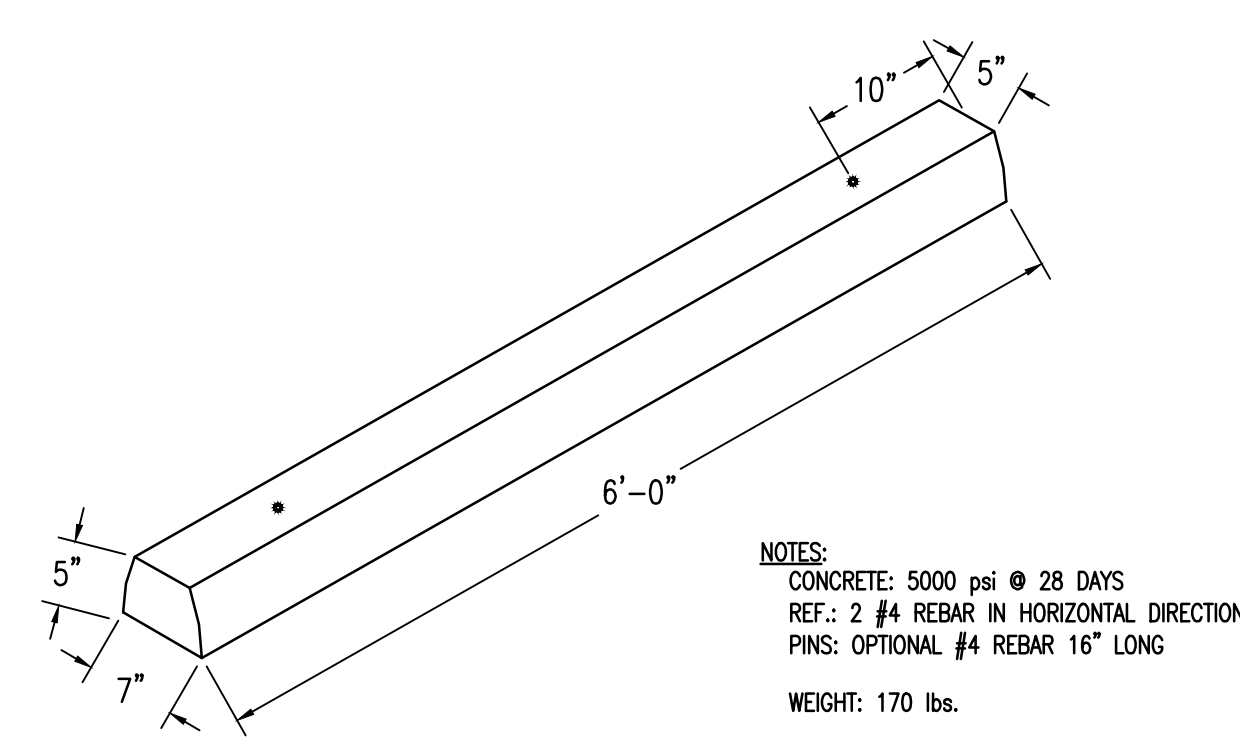
POST CAP DETAILS
CAPS INCLUDED FREE WITH POSTS



GOOD NEIGHBOR FENCE
SAME PATTERN ON BOTH SIDES



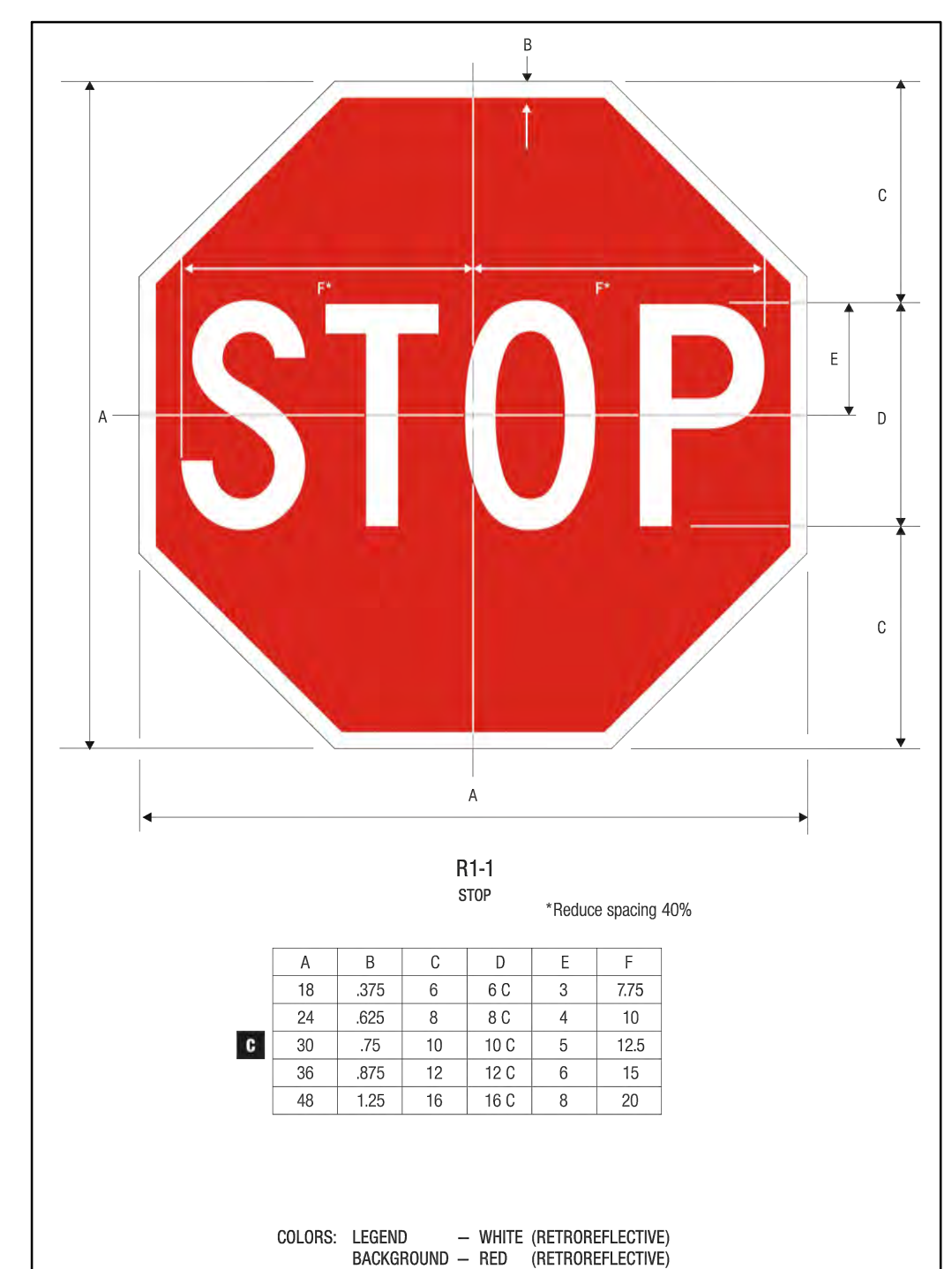
- NOTES**
- WOOD TO BE TREATED PINE. USE GALVANIZED NAILS FOR FASTENING.
 - NUMBER OF BOARDS WILL VARY DEPENDING ON SPACE BETWEEN BOARDS AND ACTUAL WIDTH OF BOARDS.
 - COLOR TO BE DETERMINED BY OWNER.



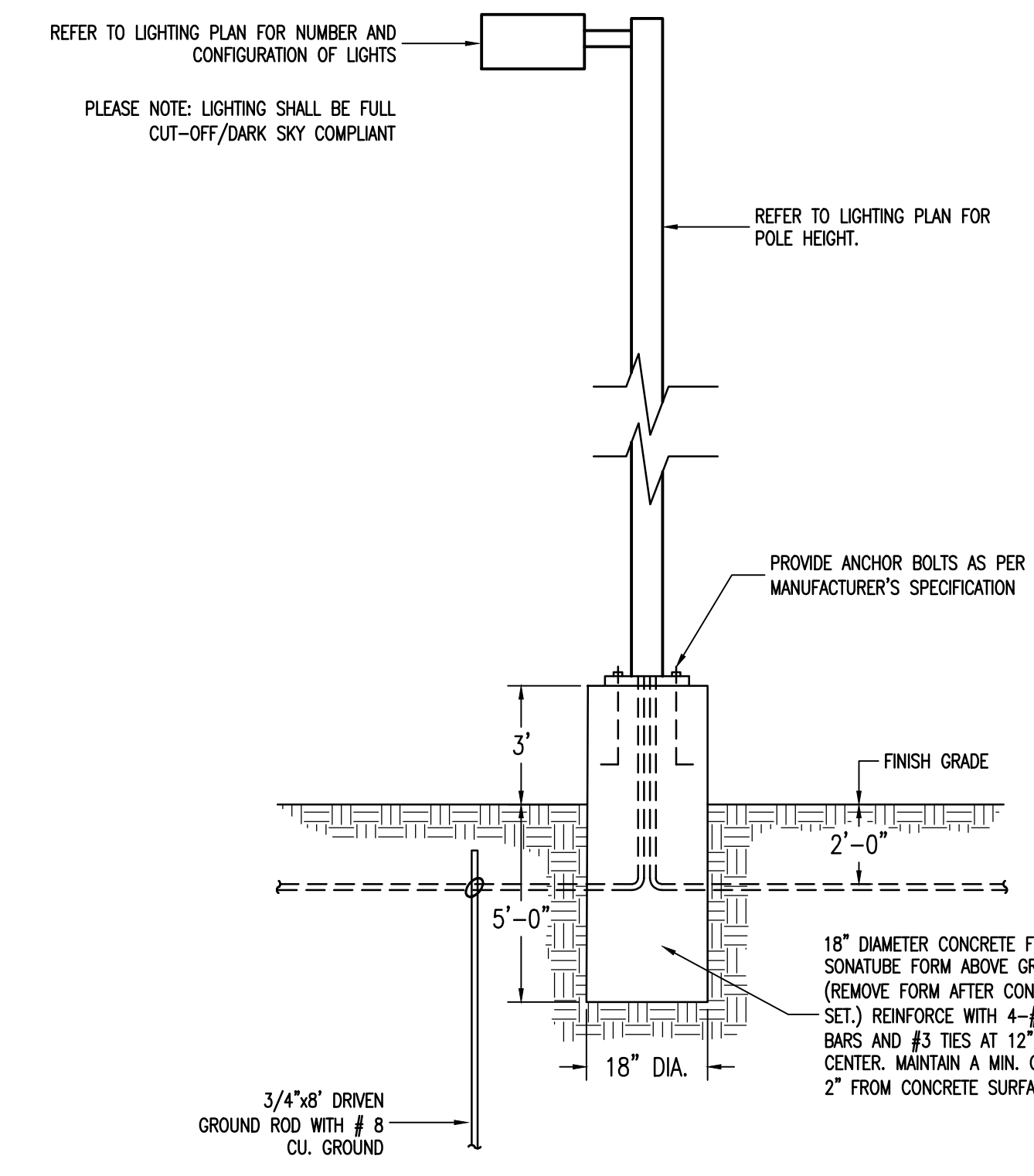
BUMPER BLOCK DETAIL
N.T.S.



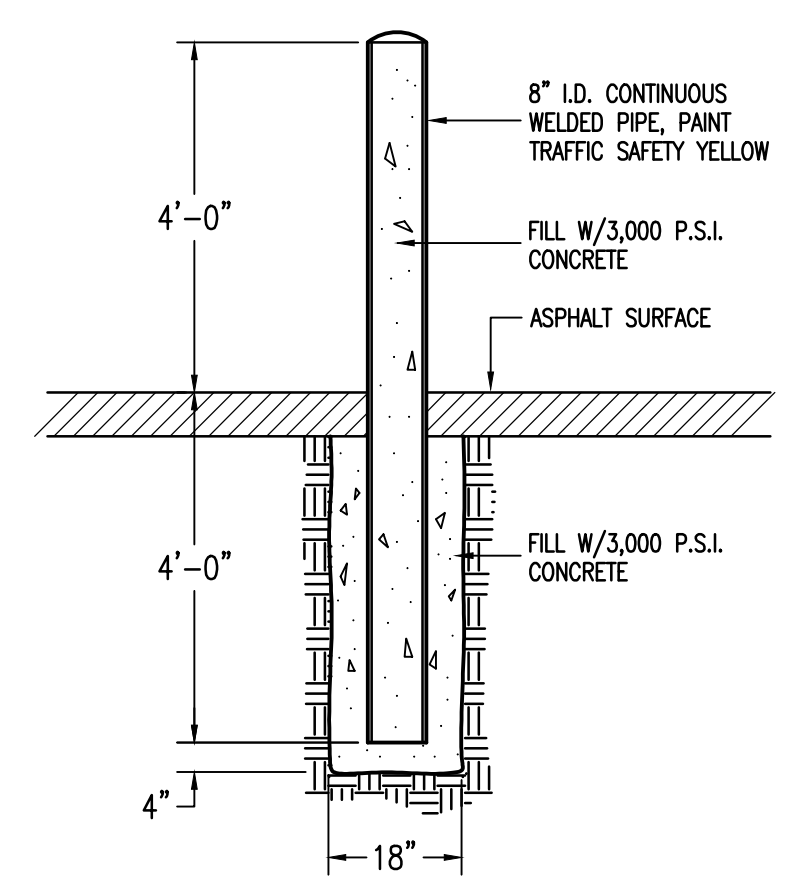
TYPICAL HC PARKING SIGN
N.T.S.



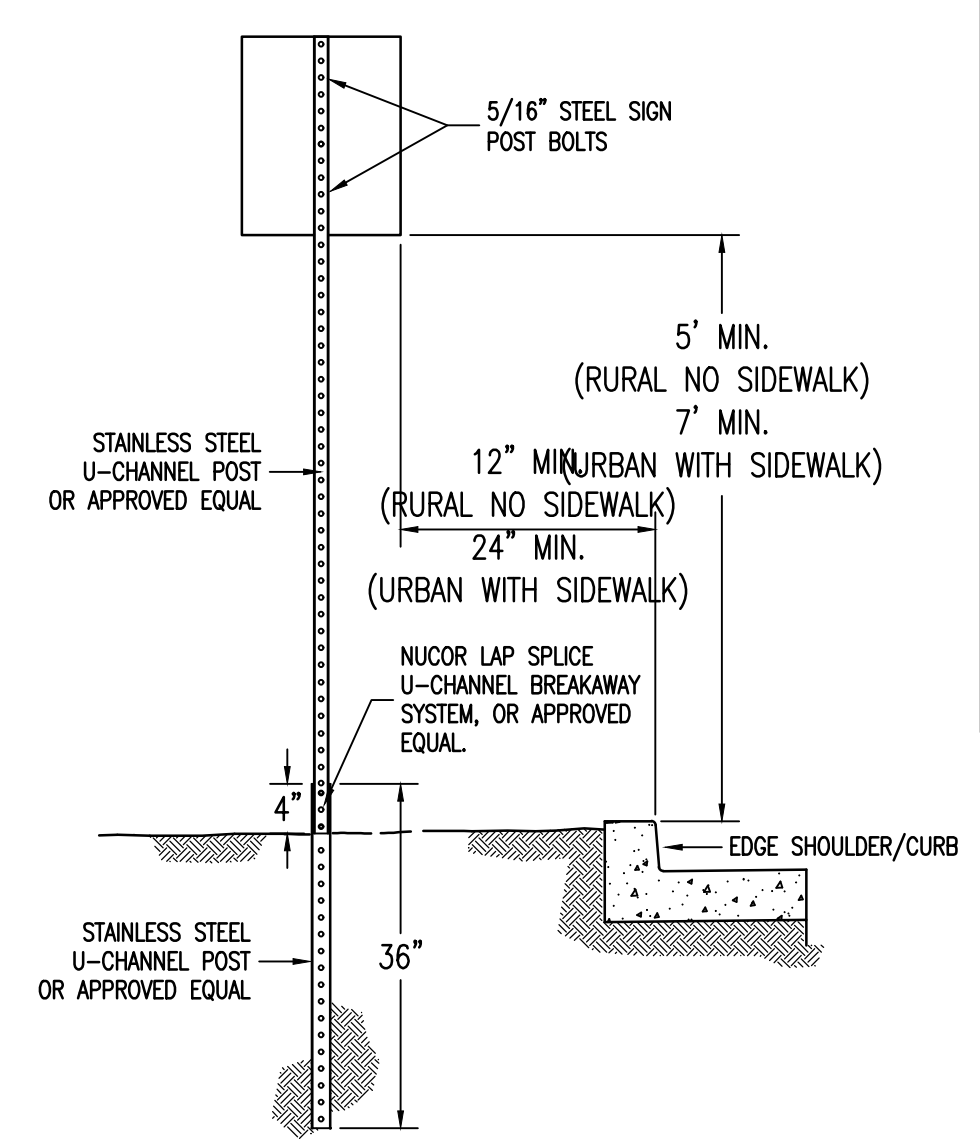
TYPICAL STOP SIGN
N.T.S.



PARKING AREA LIGHTING DETAIL
N.T.S.



PIPE BOLLARD DETAIL
N.T.S.



TYPICAL SIGN INSTALLATION
N.T.S.

Rev.	Date	Revision Description
8.	12/14/22	Site Plan Revisions
7.	11/28/22	Updated Sign/Utility Locations
6.	10/26/22	Per Town Comments
5.	06/16/22	Per NYSDOT Comments
4.	05/23/22	Revised Landscaping Plan
3.	05/03/22	Per NYSDOT Comments
2.	03/21/22	Preliminary Site Plan Submission
1.	07/29/21	Added Southern Fence Line

It is a Violation Of The New York Education Law, Article 145 Section 7209, For Any Person, Unless He 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 Seal And The Notation "Altered By" Followed By His Signature And The Date Of Such Alteration, And A Specific Description Of The Alteration.

SEAL

PROPOSED DANDY MINI-MART
LANSGING (T), TOMPKINS (Co.), NEW YORK

FAGAN ENGINEERS & LAND SURVEYORS PC
113 East Chemung Place
Elmira N.Y. 14904
Phone (607) 734-2165
Fax (607) 734-2169
www.FaganEngineers.com

Scale: As Noted
11x17 Prints are 1/2 Size
Date: November 30, 2020
Design By: JBG, RSN
Drawn By: RSN
Checked By: JBG
Project No.: 2020.062
Drawing Name: 20062.dwg

CIVIL DETAILS

FINAL PRINT
Copyright © 2020 Fagan Engineers

Commercial Onsite Wastewater Treatment System Design for Dandy Mini Mart

GENERAL INFORMATION:
The proposed design consists of one Wastewater Treatment System for the proposed commercial building in Lansing, NY. Based on Owners water usage records from other stores, the proposed on-site wastewater treatment system shall be designed to handle the effluent from the proposed septic system with a design flow of 615 gallons per day.

PROPOSED OWTS DESIGN FLOW:
615 GPD (based on water usage records from other Dandy Mini Marts)

SOILS & PERCOLATION TEST DATA:
No percolation tests have been performed at this time. These tests will be conducted prior to construction.

Based on the USDA Soil Survey, the existing soils have little to no percolation. Because of this, a mound system has been proposed.

SEPTIC TANK DESIGN:
Table D-2 in the New York State Design Standards for Intermediate Sized Wastewater Treatment Systems Handbook states that the Minimum Effective Tank Capacity for a Daily Flow under 5,000 GPD shall be 1.5 x Daily Flow = 1.5 x 615 GPD = 923 Gallons. Therefore a 1000 Gallon tank is being proposed.

MOUND WITH ABSORPTION TRENCH DESIGN:
615 GPD / 0.90 GPD/FT² (Application Rate) = 684 FT²
684 FT² / 2 FT = 342 FT (Total Trench Length)
Therefore, the proposed design shall consist of 6 Rows @ 60 FT.

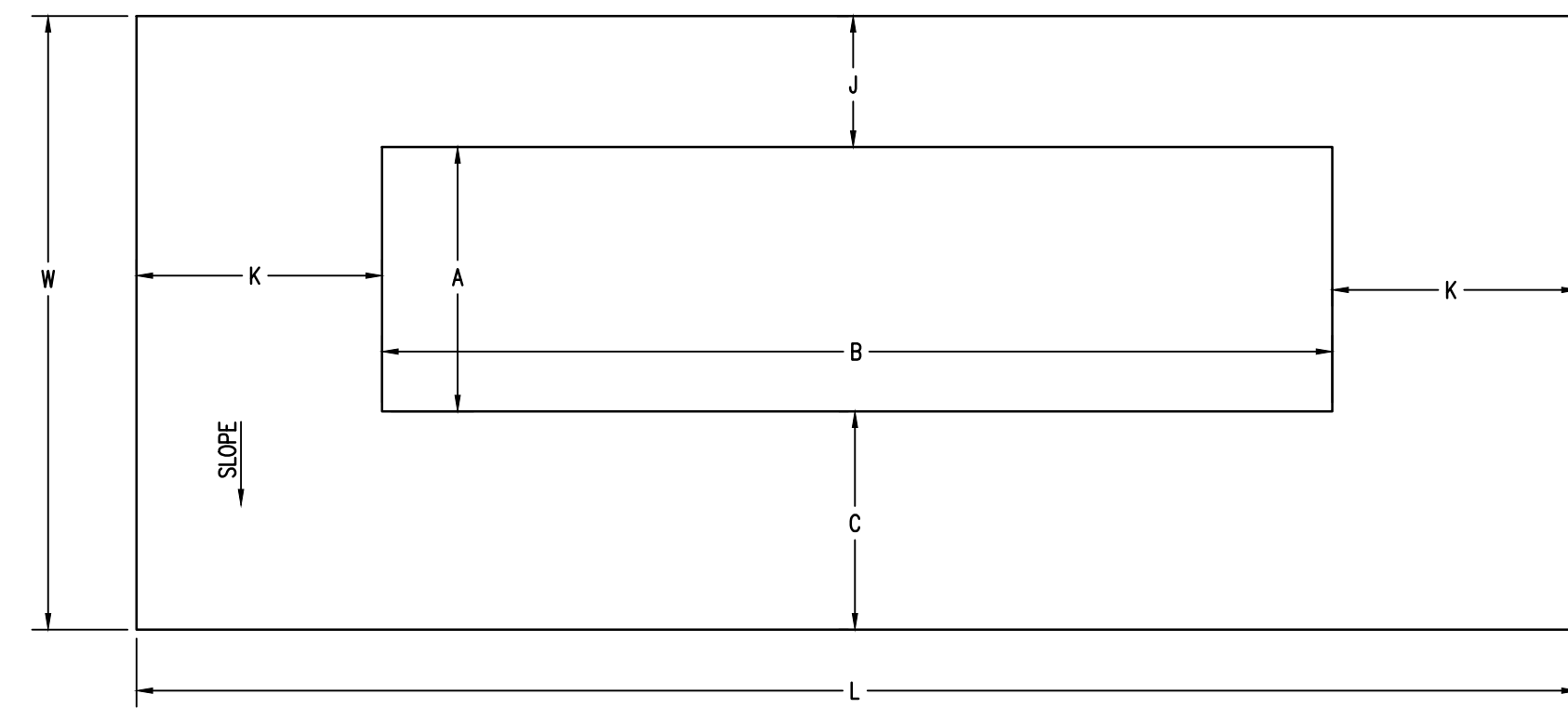
Absorption Area (A) = 6 trenches @ 2 ft wide/trench + 20 ft total trench separation = 32 ft
Absorption Area Length (B) = 60 ft
Fill Depth (D) = 2 ft
Fill Depth (E) = D + [slope x A] = 2 + [(0.08 x 32)] = 4.56 ft
Bed Depth (F) = 1 ft
Cap at Edge of Trenches (G) = 0.5 ft
Cap at Center of Trenches (H) = 1 ft
Upslope Setback (J) = [D + F + G] x 3 = [2 + 1 + 0.5] x 3 = 10.5 ft
Side Slope Setback (K) = [E + F + G] x 3 = [4.56 + 1 + 0.5] x 3 = 18.18 ft or 19 ft
Mound Length (L) = B + 2K = 60 + 2(19) = 98 ft
Downslope Setback (C) = 3 x [(E + F + G) + (slope x C)] = 3 x [(4.56 + 1 + 0.5) + (0.08 x C)] = 24 ft
Mound Width (W) = J + A + C = 10.5 + 32 + 24 = 66.5 ft or 67 ft

Material Specifications

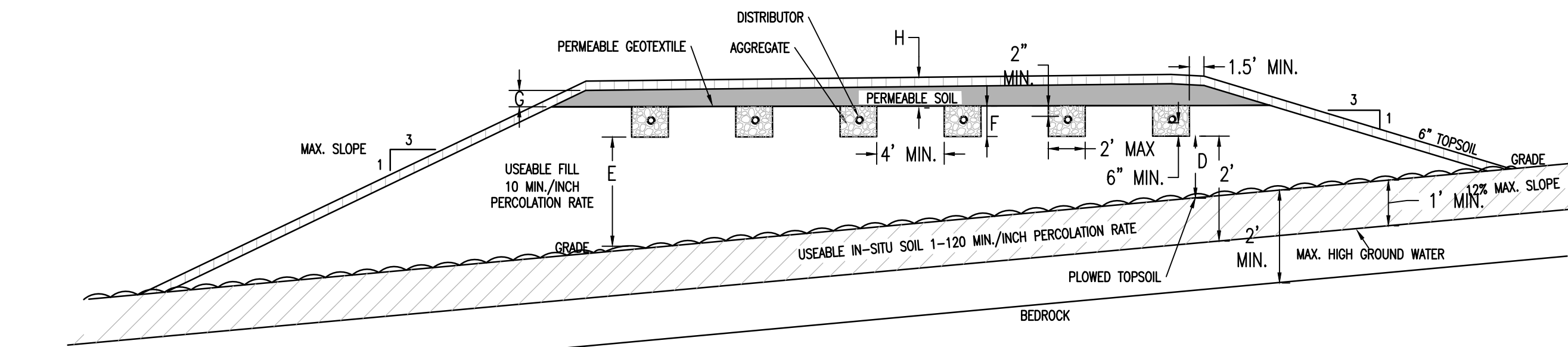
- Sewer Pipe:**
- 4" SDR 35 PVC, TYPE 1 GRADE, ASTM D-3034 OD = 4.215" (0.120 min. wall)
- Septic Unit:**
- 1,500 Gallon Septic Tank, by Zeiser Wilbert Vault Co., Elmira, NY
- Distribution Box:**
- One (1) Four Hole Distribution Box: 1 Inlet, 3 Outlets, by Zeiser Wilbert Vault Co., Elmira, NY
- Perforated Distribution Pipe:**
- 4" SDR-35 PIPE, TYPE 1 GRADE, ASTM D-3034 OD = 4.215" (0.120 min. wall)

Installation Notes

- CLEAR AND GRUB THE SITE (TREES, ROOTS, ROCKS, etc.)
- FLOW MOUND AREA TO A DEPTH OF 7'-8"
- FILL TO BE PLACED IMMEDIATELY AFTER THE SITE IS PREPARED
- CONSTRUCTION EQUIPMENT SHOULD AT NO TIME TRACK OVER THE ABSORPTION AREA
- ONCE THE MOUND HAS BEEN PREPARED ABSORPTION SYSTEM IS TO BE PREPARED/INSTALLED PER DETAILS
- BOTTOM AND SIDEWALLS OF ABSORPTION TRENCHES SHALL BE RAKED PRIOR TO INSTALLATION OF DISTRIBUTOR PIPES
- AGGREGATE IN THE TRENCHES SHALL BE COMPLETELY COVERED WITH A PERMEABLE NON-WOVEN GEOTEXTILE TO PREVENT INFILTRATION OF SOIL INTO AGGREGATE
- FINAL FILL SLOPES SHALL NOT EXCEED 1:3 (1 VERTICAL:3 HORIZONTAL)
- ENTIRE MOUND SHALL BE COVERED WITH 6" OF TOPSOIL AND SEEDED TO GRASS

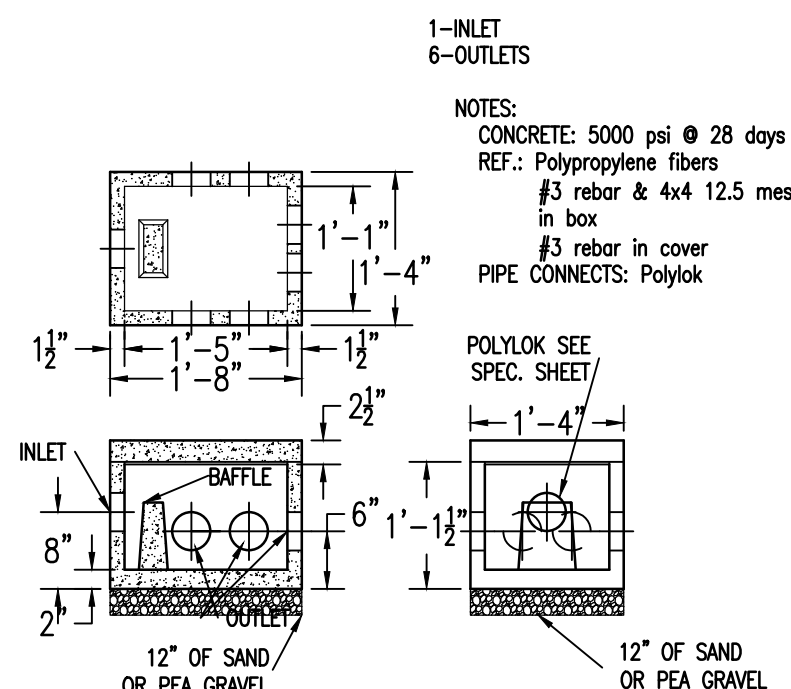


MOUND SYSTEM WITH ABSORPTION TRENCHES TOP VIEW
N.T.S.

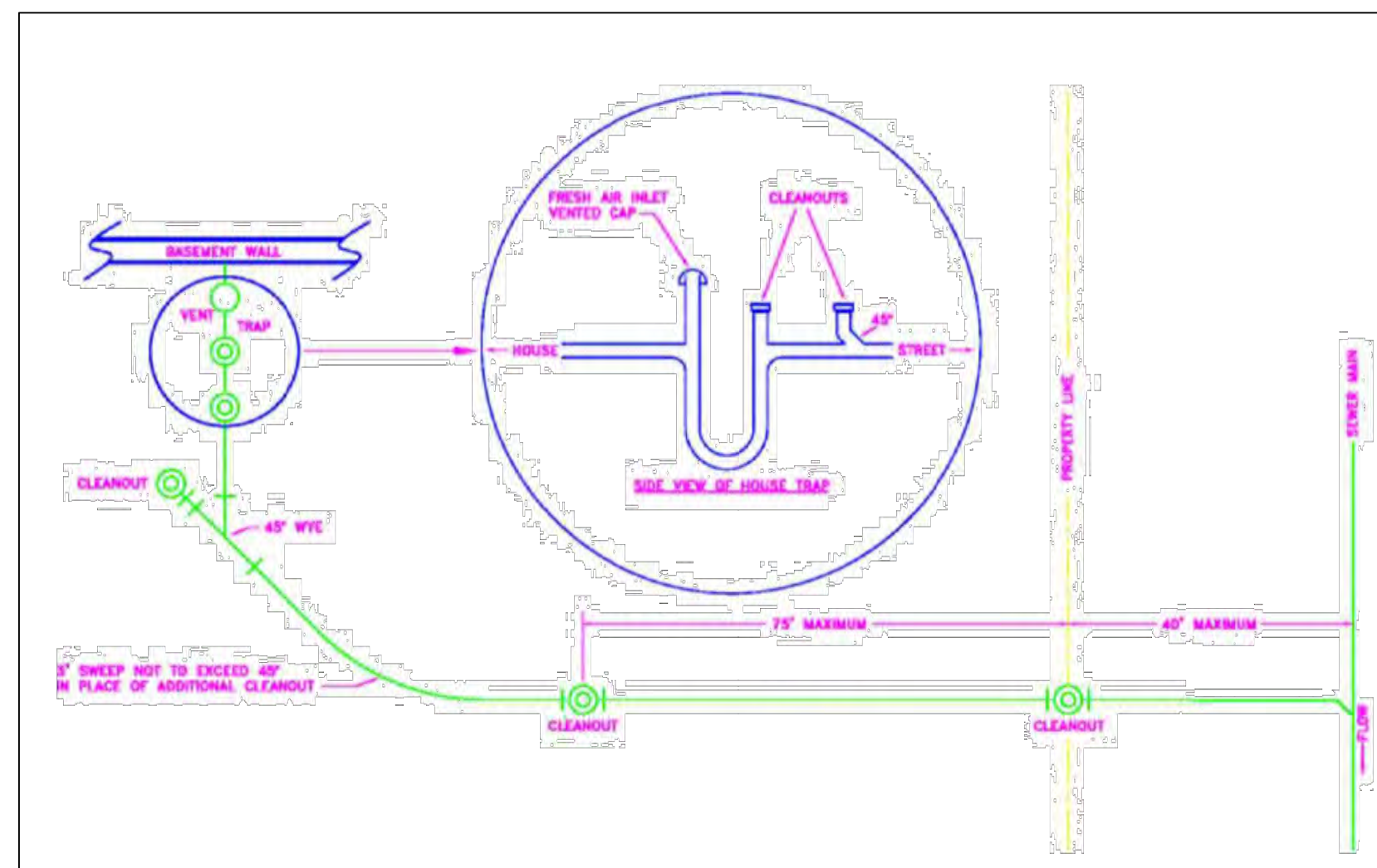


- NOTES:**
- ONLY SOILS WITH A PERCOLATION RATE NO GREATER THAN TEN (10) MINUTES PER INCH SHALL BE USED FOR THE FILL. MATERIAL SANDS WITH GREATER THAN 10% BY WEIGHT FINER THAN 0.05 MM MATERIAL MUST BE AVOIDED. AT LEAST 25% OF THE MATERIAL BY WEIGHT SHALL BE IN THE RANGE OF 0.50 MM TO 2.0 MM. LESS THAN 15% OF THE MATERIAL BY WEIGHT SHALL BE LARGER THAN A 1/2 INCH SIEVE. A SIEVE ANALYSIS MAY BE NECESSARY TO VERIFY THIS REQUIREMENT.
 - IMPORTED SOILS TO BE TESTED PRIOR TO COMPLETION OF MOUND SYSTEM BY A PROFESSIONAL ENGINEER.
 - PREPARATION OF THE SITE ON WHICH THE MOUND IS TO BE LOCATED, PLACEMENT OF THE FILL ON THE SITE, CONSTRUCTION OF THE ABSORPTION TRENCHES, GRADING THE EXPOSED FILL, AND GRADING/SEEDING THE TOP SOIL ARE CRITICAL TO PROPER OPERATION OF THE MOUND SYSTEM.

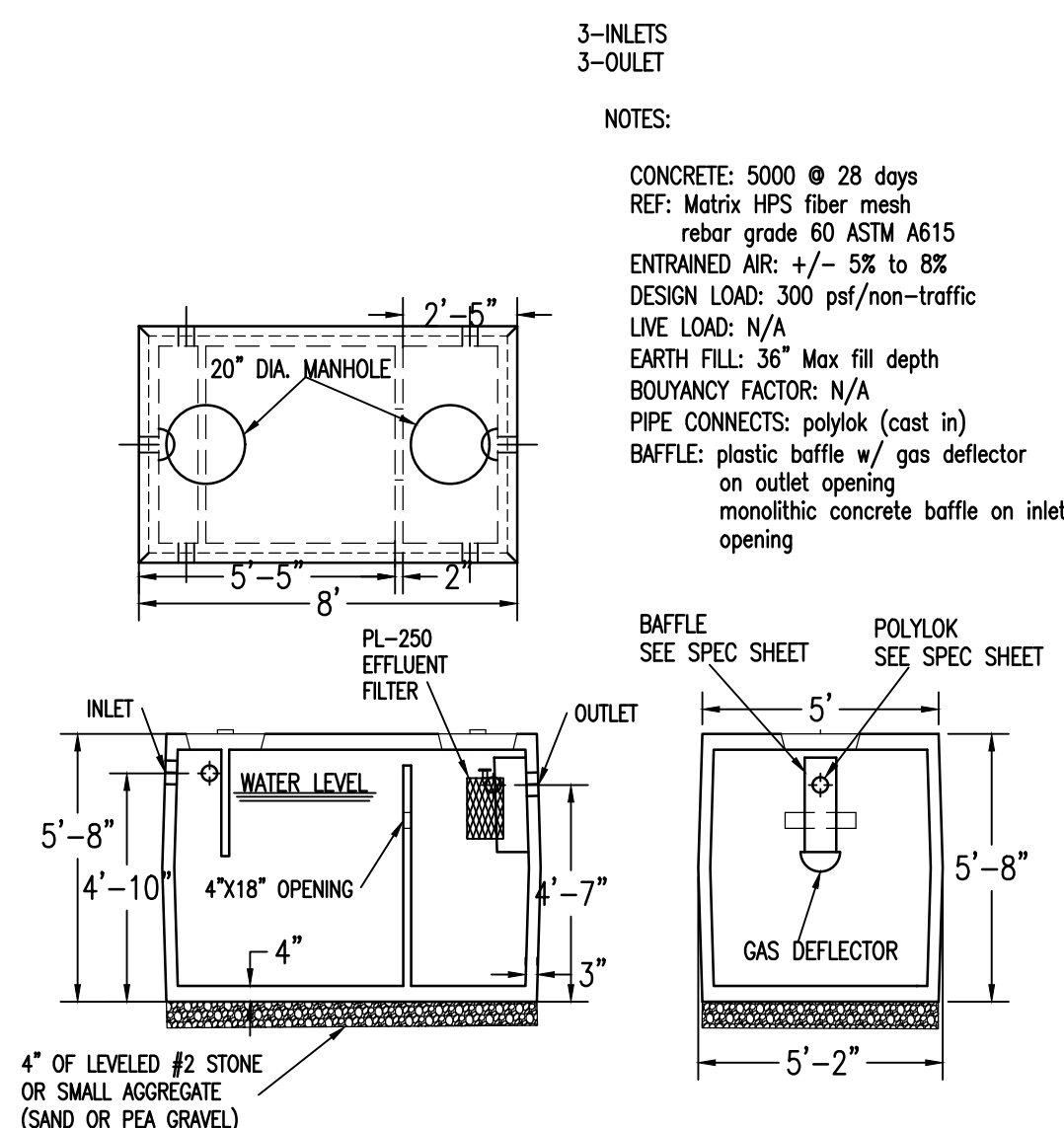
MOUND SYSTEM WITH ABSORPTION TRENCHES DETAIL
N.T.S.



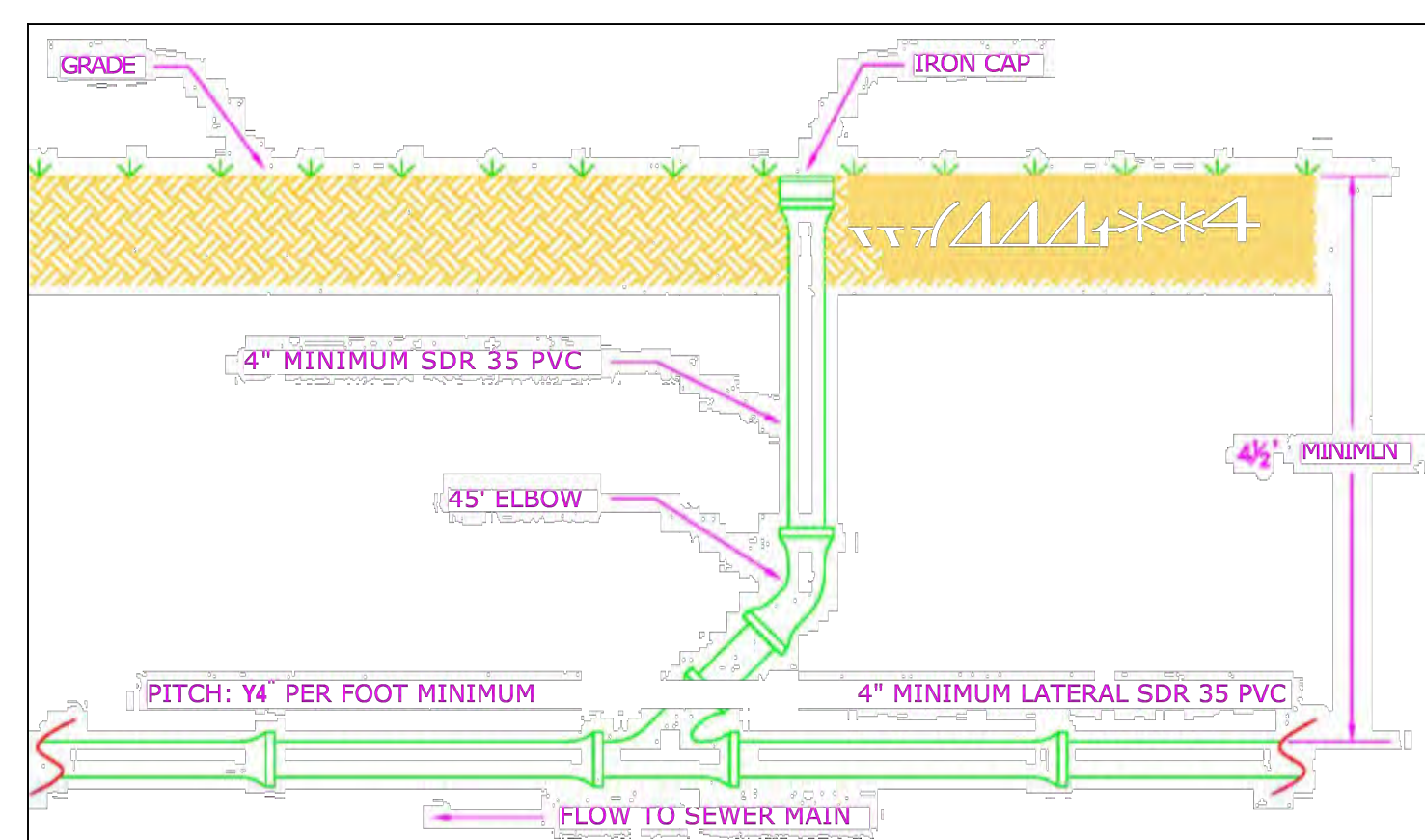
6 HOLE DISTRIBUTION BOX
N.T.S.



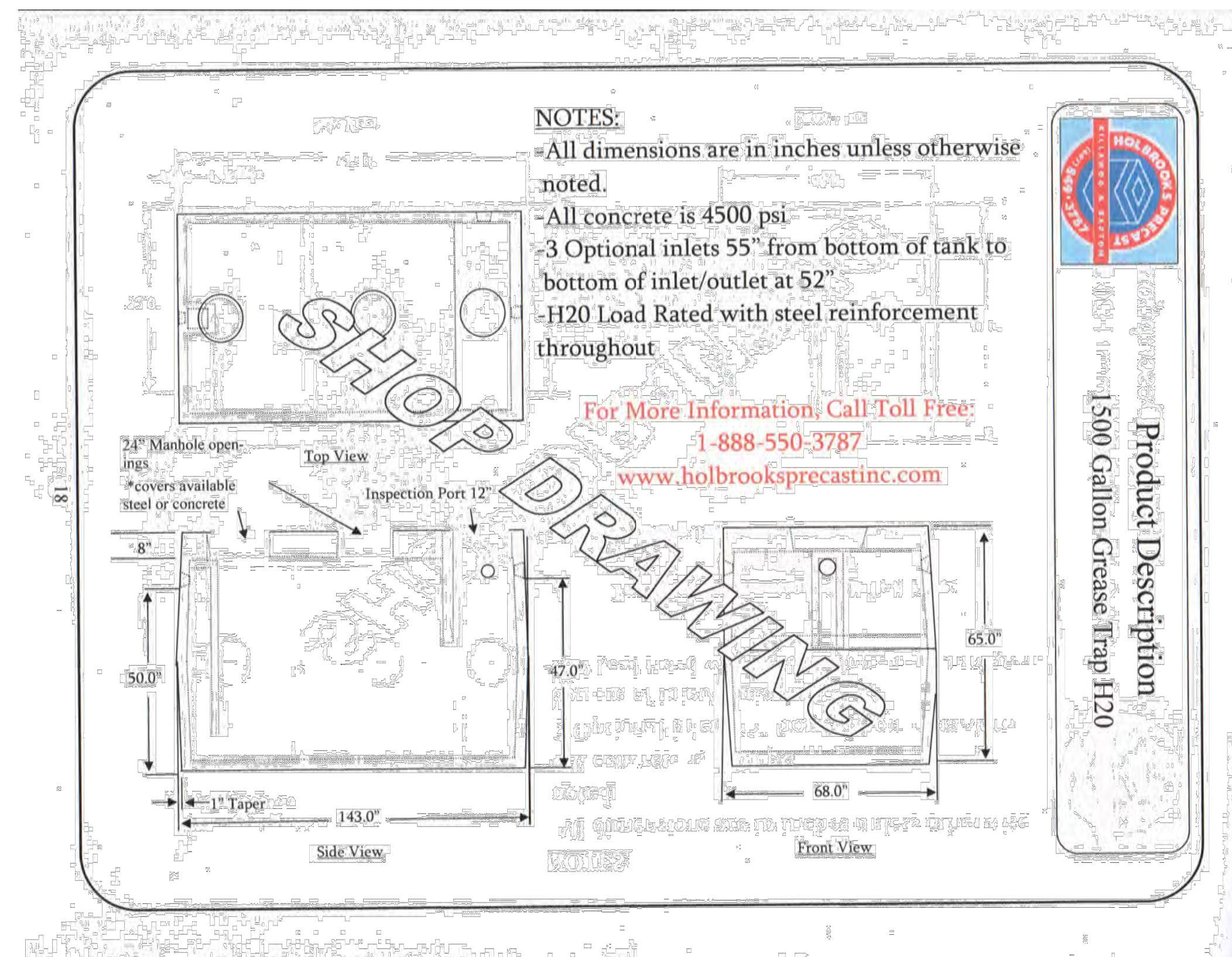
CLEANOUT PLACEMENT DETAIL
N.T.S.



ST-1000 (2 COMP) SEPTIC TANK
N.T.S.

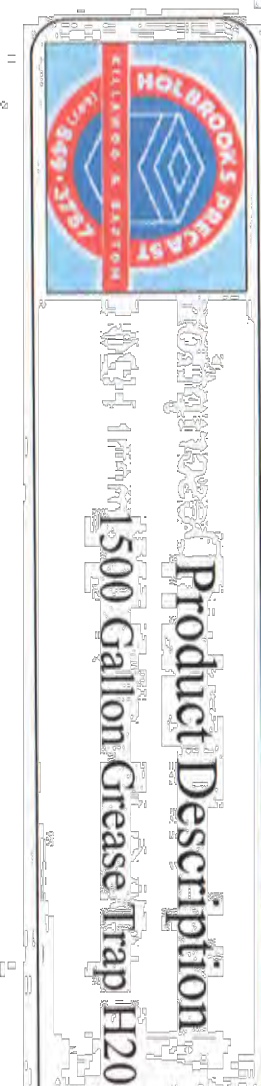


IN-LINE CLEANOUT DETAIL
N.T.S.



- NOTES:**
- All dimensions are in inches unless otherwise noted.
 - All concrete is 4500 psi
 - 3 Optional inlets 55" from bottom of tank to bottom of inlet/outlet at 52"
 - H20 Load Rated with steel reinforcement throughout

For More Information, Call Toll Free:
1-888-550-3787
www.holbrooksprecastinc.com



Note:
Utility information has been plotted from available sources and their locations and size should be considered approximate only. The contractor is responsible for determining exact utility locations, sizes, and elevations prior to commencing construction. If uncharted or misplotted utilities are encountered, the contractor is required to notify the owner immediately.

New York State law requires excavators to contact the one-call notification system prior to digging to prevent damage to buried facilities.
IT'S THE LAW!
Call three days before you dig!
1-800-962-7962
Dig Safely New York
(non-members must be contacted separately)

FINAL PRINT
Copyright © 2020 Fagan Engineers

Rev.	Date	Revision Description
8.	12/14/22	Site Plan Revisions
7.	11/28/22	Updated Sign/Utility Locations
6.	10/26/22	Per Town Comments
5.	06/16/22	Per NYSDOT Comments
4.	05/23/22	Revised Landscaping Plan
3.	05/03/22	Per NYSDOT Comments
2.	03/21/22	Preliminary Site Plan Submission
1.	07/29/21	Added Southern Fence Line

It is a Violation Of The New York Education Law, Article 145 Section 7209, For Any Person, Unless He 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 Seal And The Notation "Altered By" Followed By His Signature And The Date Of Such Alteration, And A Specific Description Of The Alteration.

SEAL

PROPOSED DANDY MINI-MART
LANSING (T), TOMPKINS (Co.), NEW YORK

FAGAN ENGINEERS & LAND SURVEYORS PC
113 East Chemung Place
Elmira N.Y. 14904
Phone (607) 734-2165
Fax (607) 734-2169
www.FaganEngineers.com

Scale:	As Noted
Date:	11x17 Prints are 1/2 Size November 30, 2020
Design By:	JBG, RSN
Drawn By:	RSN
Checked By:	JBG
Project No.:	2020.062
Drawing Name:	20062.dwg

SEWER DETAILS
C12

500 gallon pump chamber interior volume: 8' x 5' = 40 sqft (7.48 gal/c.f.) = 300 gal/ft
 Volume of 1 inch Force Main at 66 feet
 Volume = Area of 1 in diameter pipe (66 ft) = 0.36 c.f. (7.48 gal/c.f.) = 2.70 gal
 Assume the forcemain drains back in the wet well through the simplex pump.
 Doses per Day = 4 doses/day = 615 GPD / 4 doses/day = 154 gallons/dose
 Pump Volume = dose size + pipe system volume = 154 gallons + 2.70 gallons = 156.70 gallons
 Pump Selection:
 Static Head = Distribution Box Outlet Invert - Pump Off = 829.39 - 812.76 = 16.63 ft
 Forcemain Length = 263 ft
 Equivalent Length = (3 90's x 2.62 ft) + (1 Quick Disconnect x 8.32 ft) + (1 Ball Check Valve x 27.00 ft) = 43.18 ft
 C = 120 (PVC Plastic Pipe)

Pump Rate (gpm)	0	10	20	30	40	50	22
Static Head (ft)	16.63	16.63	16.63	16.63	16.63	16.63	16.63
Friction Loss (ft)	0.00	6.95	25.04	53.02	90.27	136.41	29.87
TDH (ft)	16.63	23.58	41.67	69.65	106.90	153.04	46.50

Select Gould Effluent Pump Model WE0511HH operating at 22 gpm @ 46.50 ft TDH

INSTALLATION, LAYOUT & MATERIALS

- Tanks shall be waterproof, installed with an access cover at least 24 in diameter, and of a durable construction, capable of withstanding soil pressure when empty. precast concrete pump tanks designed for pump station applications are acceptable.
- The pump tank shall be located away from vehicle traffic, where possible, and positioned to facilitate maintenance.
- Pipe, Fittings, and Connectors shall be rated for pressurized flow. Threaded galvanized pipe assemblies shall use pipe tape or pipe dope. Glued plastic fittings shall be of a deep socketed, pressure type and be cleansed with visible primer prior to assembly. Compression and gasketed fittings shall be rated to withstand pressures during operation of the pump system. (Each one foot of vertical lift results in 0.43 pounds per square inch of pressure at the lowest point in the pump system).
- Assembly of the pump, discharge line, union or disconnect, power, and control cords shall be made so as to facilitate later maintenance and pump replacement without entry into the tank. At location where one or more risers are required to bring the cover to grade, electrical and pump discharge lines may be brought through an opening in the riser wall. Repair to the riser wall must prevent groundwater entry and be of a durable construction.
- A union or disconnect is required on the pump discharge line.
- A nylon rope or stainless steel chain or gable shall be provided and secured within easy reach of the pump tank cover, for later retrieval of the pump.
- Electrical and float cords shall be of sufficient length to allow removal of the pump and placement on the ground. Cords shall be coiled and secured within reach with waterproof tape, cable ties, or other removable and reliable fastener.
- The force main between the pump tank and treatment area shall be installed so as to be frost proof. Ordinarily the most desirable method of frost proofing shall be to install the pump line so that effluent drains back into the tank after each pump cycle. Where a check valve is installed and the line is not intended to drain back to the tank, the force main shall be buried at least 42 in below grade. A 1/4 in hole shall be drilled in the rigid discharge assembly immediately beyond the check valve to allow drain back into the tank.
- The pump, chamber, and all products used in the system shall be warranted by the manufacturer for that application.
- Ball valves must be full bore type with minimum fluid passage way no less than the pipe diameter.
- Force mains located under public roads, driveways, and other traffic areas shall be installed within a protective sleeve to prevent damage to the line, and to facilitate retrieval and replacement, if necessary.
- All opening and joints in the tank, including the riser, shall be adequately sealed to prevent infiltration of ground and surface waters.

UNACCEPTABLE MATERIALS

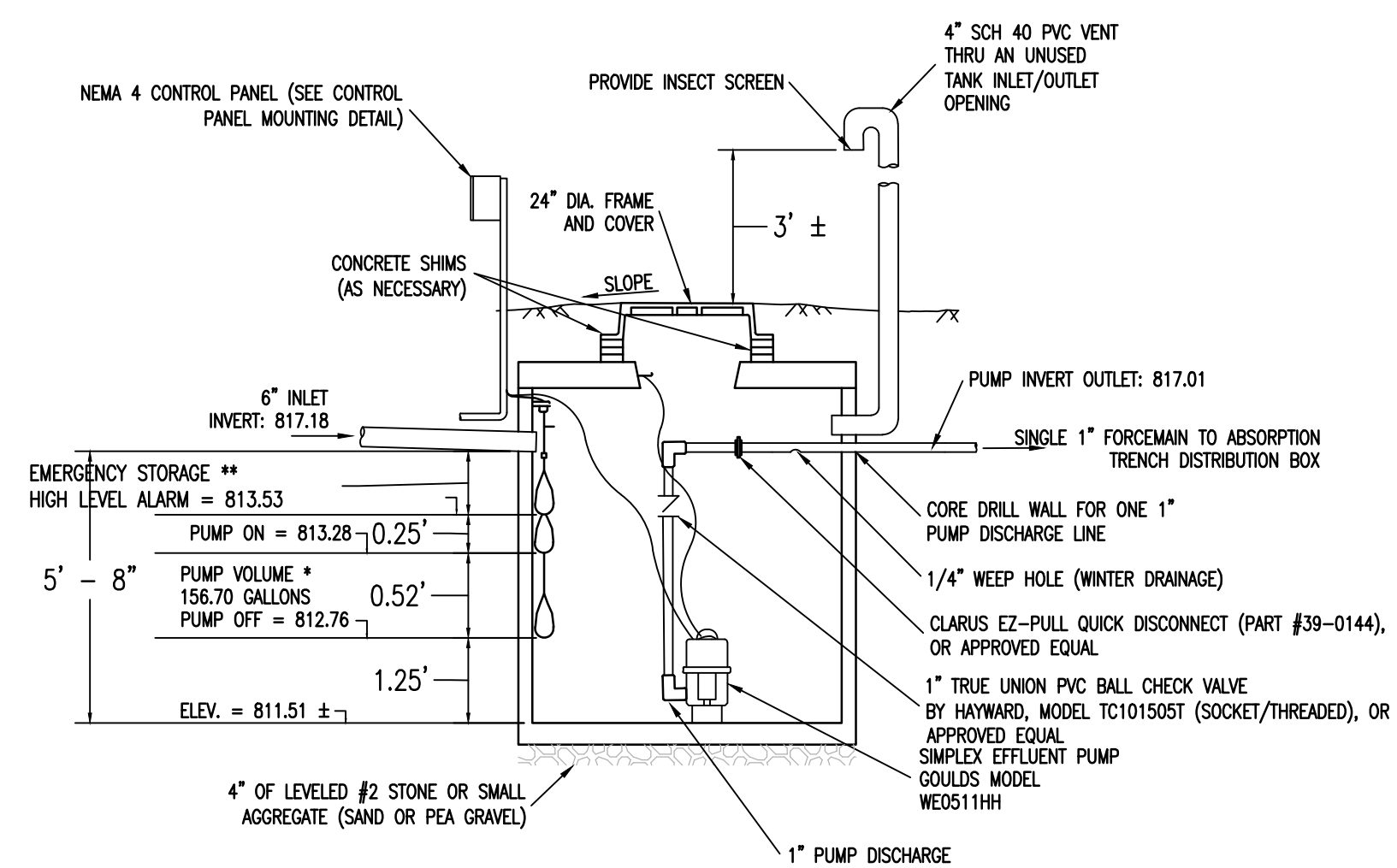
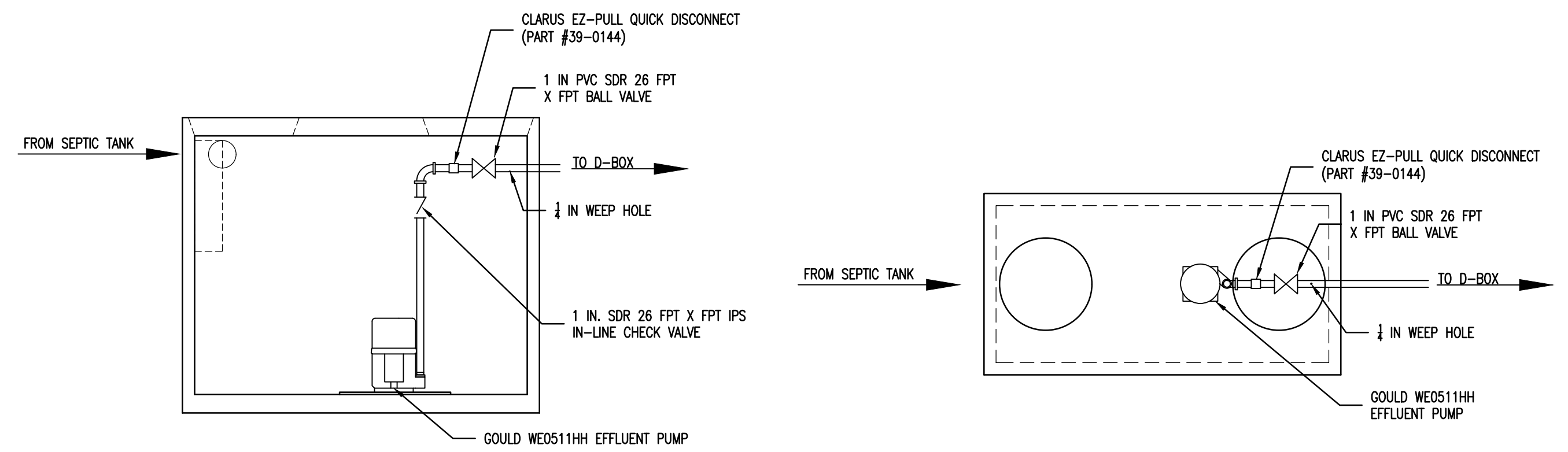
- Fittings and pipe materials not designed for pressurized flow.
- Non-sumpersible pumps, well pumps, or electrical connections within the pump tank.
- Any material NOT specifically designed and warranted for the application is unacceptable.

GENERAL NOTES, APPLICABILITY, AND LIMITATIONS TO USE

- This plan has been prepared to provide standards and guidance on installation of septic tank effluent pump stations suited to residential use. According to current sanitary and building codes, this shall not be used for layout of raw sewage pump stations, which require different criteria for tank size and pump selections.
- Flood controls shall be used for level and pump control.
- A high water alarm and float shall be provided to warn dwelling occupants of pump malfunction. The alarm shall be located in plain sight of the malfunction. The alarm shall be located in plain sight of the living area.

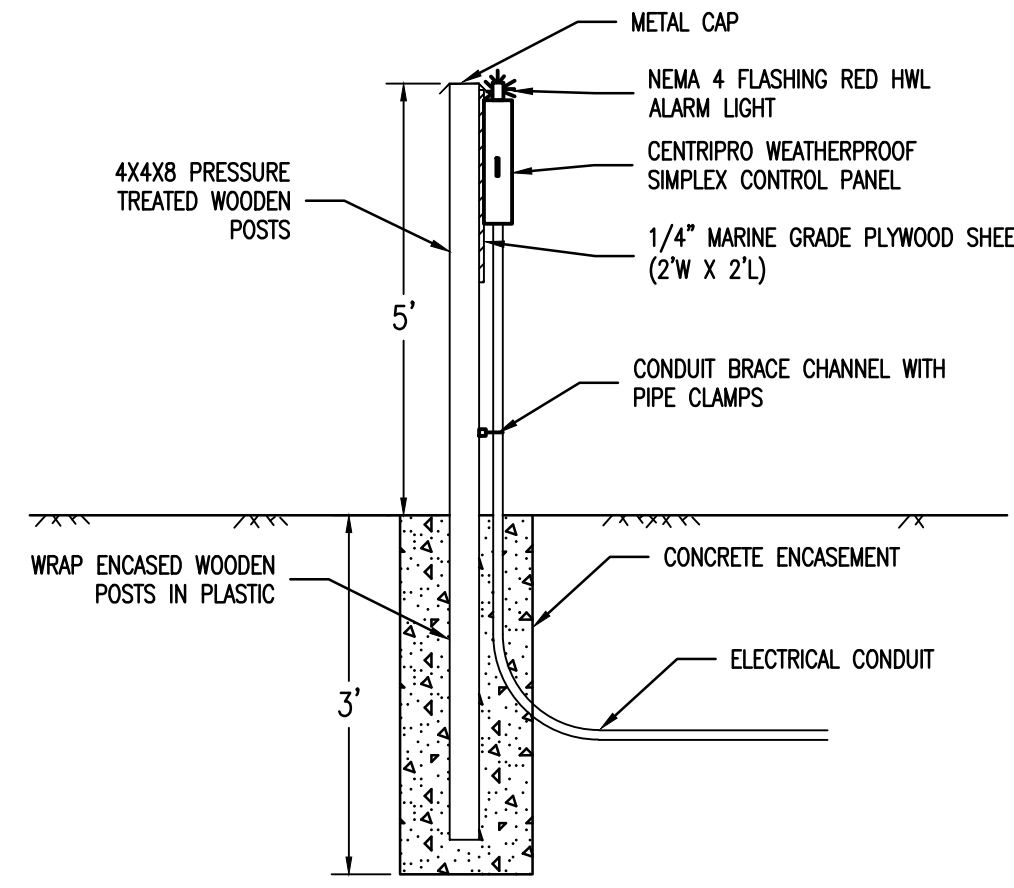
ELECTRICAL NOTES

- All electrical wiring and systems shall be in accordance with the most current version of the National Electrical Code for the specific applications.
- Electrical service and connections may be made in one of several acceptable methods. All must meet current Electrical and Building Code requirements. Junction boxes and receptacles located within the pump tank are not acceptable.
- Contractor's electrician shall provide a single phase, 115V, 20 AMP circuit dedicated for the simplex pump/pump controls.

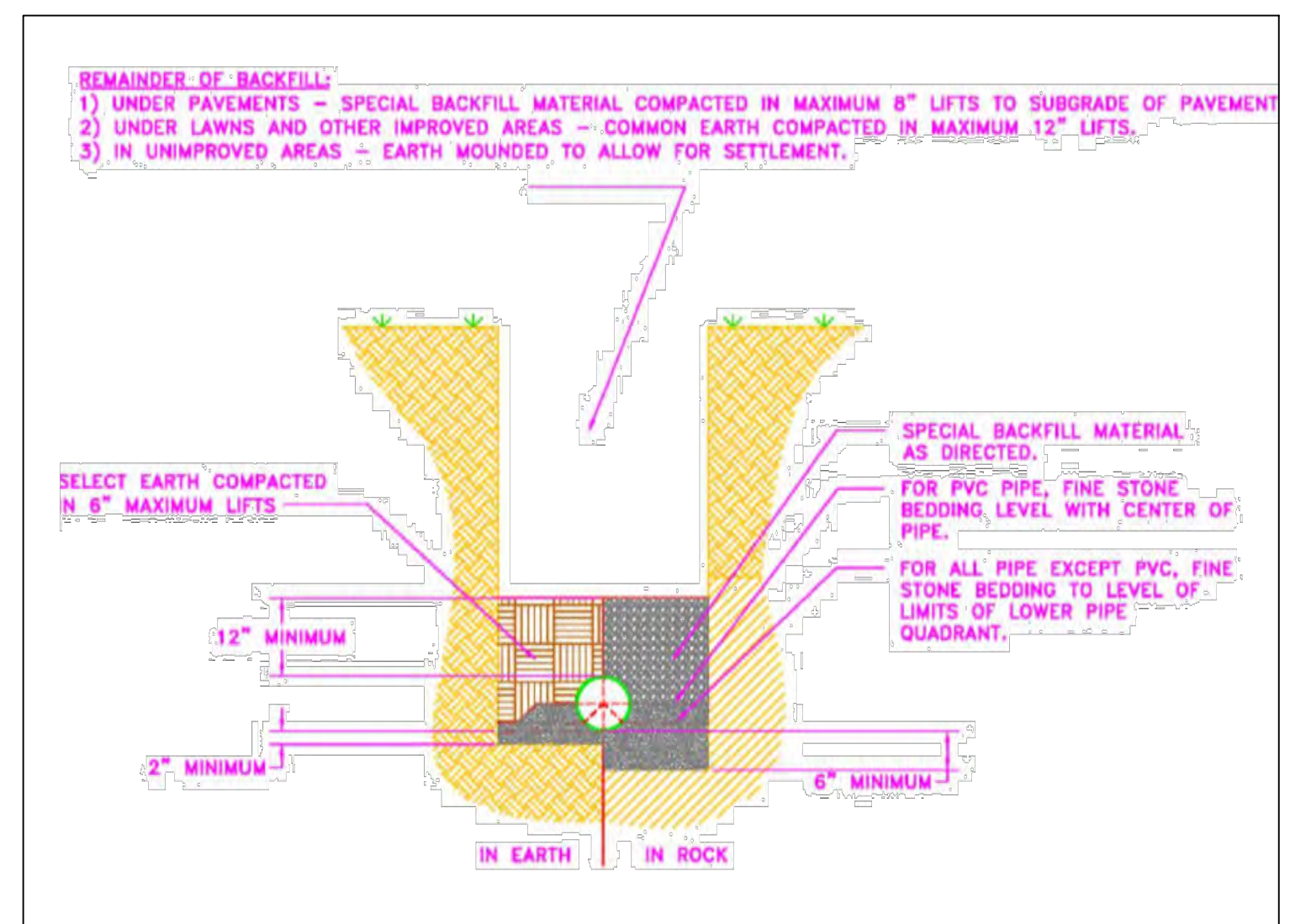


NOTE:
 NO PERSON TO ENTER TANK UNLESS OSHA REPRESENTATIVE PRESENT.
 * PUMP VOLUME = 123 GAL (DOSE) + 2.70 GAL (DRAIN BACK) = 125.70 GAL
 ** EMERGENCY STORAGE
 ACTUAL = 3.65 FT / 1,095 GAL
 MIN. REQUIRED = 2.05 FT / 615 GAL

1000 GALLON PUMP CHAMBER DETAIL



NOTE:
 POST AND PLYWOOD TO BE PAINTED (COLOR BY OWNER)



TYPICAL SEWER LATERAL TRENCH DETAIL
 N.T.S.

- Site was inspected by: _____ on _____
- The Total Dynamic Head at 45 GPM is Estimated to be:
 Static Head: 16.63 ft + 29.87 ft Friction Head = 46.50 ft (0.4335) = 20.16 PSI
- Pump Curve supplied by the contractor for the installed pump indicated that the pump would provide the minimum recommended GPM at the estimated Total Dynamic Head and that the pump would operate with an acceptable efficiency.
- Pump installed is specifically designed for this application.
- The pump chamber was a 1000 Gallon Chamber and is specifically designed for this application.
- The pump can be removed from the chamber from the ground surface.
- An audible/visual alarm is located above grade on a post near the pump tank cover. The visible alarm, if installed, is clearly visible from the living area.

PUMP NOTES:

- Grinder, Sewage, or Effluent
- Minimum Freeboard Storage: 615 Gallons
- Dosing Volume: 125.70 Gallons
- Pump: Goulds Model WE0511HH or Approved Equal

Simplex Control Panel:

- CENTRIPRO WEATHERPROOF PANEL with the following features:
- NEMA 4 (Dead Front Type with Locking HASP)
 - Separate Level Control Switches (OFF, ON, HWL)
 - 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 Seal And The Notation "Altered By" Followed By His Signature And The Date Of Such Alteration, And A Specific Description Of The Alteration.
 - Automatic Alarm Reset
 - HOA Switch
 - Run Light
 - Condensation Heater - 115V

GENERAL NOTES:

- A visual high water alarm system shall be located in a conspicuous location and shall be kept in workable order at all times.
- Set the High Water Alarm to actuate when the pump tank will have a reserve volume of at least one day capacity.
- Tank installation in area of High Groundwater shall be installed with Anti-Floating Device as per the tank manufacturer.
- Electrical components to comply with latest edition of NYS Fire Underwriter's code.
- Slope finished grade away from the manhole cover so storm runoff does not enter the tank through the access cover.

Rev.	Date	Description
1.	07/29/21	Added Southern Fenceline
2.	03/21/22	Preliminary Site Plan Submission
3.	05/03/22	Per NYSDOT Comments
4.	05/23/22	Revised Landscaping Plan
5.	06/16/22	Per NYSDOT Comments
6.	10/26/22	Per Town Comments
7.	11/28/22	Updated Sign/Utility Locations
8.	12/14/22	Site Plan Revisions

IT IS A VIOLATION OF THE NEW YORK EDUCATION LAW, ARTICLE 145 SECTION 7209, FOR ANY PERSON, UNLESS HE 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 SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

PROPOSED DANDY MINI-MART
 LANSGING (T), TOMPKINS (Co.), NEW YORK

FAGAN ENGINEERS
 & LAND SURVEYORS PC

113 East Chemung Place
 Elmira N.Y. 14904
 Phone (607) 734-2165
 Fax (607) 734-2169
 www.FaganEngineers.com

Scale:	As Noted
11x17 Prints are 1/2 Size	
Date:	November 30, 2020
Design By:	JBG, RSN
Drawn By:	RSN
Checked By:	JBG
Project No.:	2020.062
Drawing Name:	20062.dwg

SEWER DETAILS

C13

Note:
 Utility information has been plotted from available sources and their locations and size should be considered approximate only. The contractor is responsible for determining exact utility locations, sizes, and elevations prior to commencing construction. If uncharted or misplotted utilities are encountered, the contractor is required to notify the owner immediately.

New York State law requires excavators to contact the one-call notification system prior to digging to prevent damage to buried facilities.
IT'S THE LAW!
 Call three days before you dig!
 1-800-962-7962
 Dig Safely New York
 (non-members must be contacted separately)

FINAL PRINT
 Copyright © 2020 Fagan Engineers

PROJECT INFORMATION	
ENGINEERED PRODUCT MANAGER	
ADS SALES REP	
PROJECT NO.	



DANDY MINI MART

LANSING, NY, USA

MC-3500 STORMTECH CHAMBER SPECIFICATIONS

- CHAMBERS SHALL BE STORMTECH MC-3500.
- CHAMBERS SHALL BE ARCH-SHAPED AND SHALL BE MANUFACTURED FROM VIRGIN, IMPACT-MODIFIED POLYPROPYLENE COPOLYMERS.
- CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS" CHAMBER CLASSIFICATION 45x76 DESIGNATION SS.
- CHAMBER ROWS SHALL PROVIDE CONTINUOUS, UNOBSTRUCTED INTERNAL SPACE WITH NO INTERNAL SUPPORTS THAT WOULD IMPEDE FLOW OR LIMIT ACCESS FOR INSPECTION.
- THE STRUCTURAL DESIGN OF THE CHAMBERS, THE STRUCTURAL BACKFILL, AND THE INSTALLATION REQUIREMENTS SHALL ENSURE THAT THE LOAD FACTORS SPECIFIED IN THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, SECTION 12.12, ARE MET FOR: 1) LONG-DURATION DEAD LOADS AND 2) SHORT-DURATION LIVE LOADS, BASED ON THE AASHTO DESIGN TRUCK WITH CONSIDERATION FOR IMPACT AND MULTIPLE VEHICLE PRESENCES.
- CHAMBERS SHALL BE DESIGNED, TESTED AND ALLOWABLE LOAD CONFIGURATIONS DETERMINED IN ACCORDANCE WITH ASTM F2787, "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS". LOAD CONFIGURATIONS SHALL INCLUDE: 1) INSTANTANEOUS (<1 MIN) AASHTO DESIGN TRUCK LIVE LOAD ON MINIMUM COVER 2) MAXIMUM PERMANENT (75-YR) COVER LOAD AND 3) ALLOWABLE COVER WITH PARKED (1-WEEK) AASHTO DESIGN TRUCK.
- REQUIREMENTS FOR HANDLING AND INSTALLATION:
 - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
 - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 3".
 - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, a) THE ARCH STIFFNESS CONSTANT SHALL BE GREATER THAN OR EQUAL TO 450 LBS/FT². THE ASC IS DEFINED IN SECTION 6.2.8 OF ASTM F2418. AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.
- ONLY CHAMBERS THAT ARE APPROVED BY THE SITE DESIGN ENGINEER WILL BE ALLOWED. UPON REQUEST BY THE SITE DESIGN ENGINEER OR OWNER, THE CHAMBER MANUFACTURER SHALL SUBMIT A STRUCTURAL EVALUATION FOR APPROVAL BEFORE DELIVERING CHAMBERS TO THE PROJECT SITE AS FOLLOWS:
 - THE STRUCTURAL EVALUATION SHALL BE SEALED BY A REGISTERED PROFESSIONAL ENGINEER.
 - THE STRUCTURAL EVALUATION SHALL DEMONSTRATE THAT THE SAFETY FACTORS ARE GREATER THAN OR EQUAL TO 1.95 FOR DEAD LOAD AND 1.75 FOR LIVE LOAD, THE MINIMUM REQUIRED BY ASTM F2787 AND BY SECTIONS 3 AND 12.12 OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS FOR THERMOPLASTIC PIPE.
 - THE TEST DERIVED CREEP MODULUS AS SPECIFIED IN ASTM F2418 SHALL BE USED FOR PERMANENT DEAD LOAD DESIGN EXCEPT THAT IT SHALL BE THE 75-YEAR MODULUS USED FOR DESIGN.
- CHAMBERS AND END CAPS SHALL BE PRODUCED AT AN ISO 9001 CERTIFIED MANUFACTURING FACILITY.

IMPORTANT - NOTES FOR THE BIDDING AND INSTALLATION OF MC-3500 CHAMBER SYSTEM

- STORMTECH MC-3500 CHAMBERS SHALL NOT BE INSTALLED UNTIL THE MANUFACTURER'S REPRESENTATIVE HAS COMPLETED A PRE-CONSTRUCTION MEETING WITH THE INSTALLERS.
- STORMTECH MC-3500 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH MC-3500/MC-4500 CONSTRUCTION GUIDE".
- CHAMBERS ARE NOT TO BE BACKFILLED WITH A DOZER OR AN EXCAVATOR SITUATED OVER THE CHAMBERS. STORMTECH RECOMMENDS 3 BACKFILL METHODS:
 - STONESHOTTER LOCATED OFF THE CHAMBER BED.
 - BACKFILL AS ROWS ARE BUILT USING AN EXCAVATOR ON THE FOUNDATION STONE OR SUBGRADE.
 - BACKFILL FROM OUTSIDE THE EXCAVATION USING A LONG BOOM HOE OR EXCAVATOR.
- THE FOUNDATION STONE SHALL BE LEVELED AND COMPACTED PRIOR TO PLACING CHAMBERS.
- JOINTS BETWEEN CHAMBERS SHALL BE PROPERLY SEATED PRIOR TO PLACING STONE.
- MAINTAIN MINIMUM - 6" (150 mm) SPACING BETWEEN THE CHAMBER ROWS.
- INLET AND OUTLET MANIFOLDS MUST BE INSERTED A MINIMUM OF 12" (300 mm) INTO CHAMBER END CAPS.
- EMBEDMENT STONE SURROUNDING CHAMBERS MUST BE A CLEAN, CRUSHED, ANGULAR STONE MEETING THE AASHTO M43 DESIGNATION OF #3 OR #4.
- STONE MUST BE PLACED ON THE TOP CENTER OF THE CHAMBER TO ANCHOR THE CHAMBERS IN PLACE AND PRESERVE ROW SPACING.
- THE CONTRACTOR MUST REPORT ANY DISCREPANCIES WITH CHAMBER FOUNDATION MATERIALS BEARING CAPACITIES TO THE SITE DESIGN ENGINEER.
- ADS RECOMMENDS THE USE OF "FLEXSTORM CATCH IT" INSERTS DURING CONSTRUCTION FOR ALL INLETS TO PROTECT THE SUBSURFACE STORMWATER MANAGEMENT SYSTEM FROM CONSTRUCTION SITE RUINOUS.

NOTES FOR CONSTRUCTION EQUIPMENT

- STORMTECH MC-3500 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH MC-3500/MC-4500 CONSTRUCTION GUIDE".
 - THE USE OF EQUIPMENT OVER MC-3500 CHAMBERS IS LIMITED:
 - NO EQUIPMENT IS ALLOWED ON BARE CHAMBERS.
 - NO RUBBER Tired LOADER, DUMP TRUCK, OR EXCAVATORS ARE ALLOWED UNTIL PROPER FILL DEPTHS ARE REACHED IN ACCORDANCE WITH THE "STORMTECH MC-3500/MC-4500 CONSTRUCTION GUIDE".
 - WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT CAN BE FOUND IN THE "STORMTECH MC-3500/MC-4500 CONSTRUCTION GUIDE".
 - FULL 36" (900 mm) OF STABILIZED COVER MATERIALS OVER THE CHAMBERS IS REQUIRED FOR DUMP TRUCK TRAVEL OR DUMPING.
- USE OF A DOZER TO PUSH EMBEDMENT STONE BETWEEN THE ROWS OF CHAMBERS MAY CAUSE DAMAGE TO CHAMBERS AND IS NOT AN ACCEPTABLE BACKFILL METHOD. ANY CHAMBERS DAMAGED BY USING THE "DUMP AND PUSH" METHOD ARE NOT COVERED UNDER THE STORMTECH STANDARD WARRANTY.
- CONTACT STORMTECH AT 1-888-892-2894 WITH ANY QUESTIONS ON INSTALLATION REQUIREMENTS OR WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT.

PROPOSED LAYOUT		PROPOSED ELEVATIONS		PART TYPE		ITEM ON LAYOUT		DESCRIPTION		INVERT		MAX FLOW	
80	STORMTECH MC-3500 CHAMBERS	MAXIMUM ALLOWABLE GRADE (TOP OF PAVEMENT/UNPAVED):	842.50	A	PREFABRICATED END CAP	24" TOP CORED END CAP, PART#: MC3500IEPP24TC / TYP OF ALL 24" TOP CONNECTIONS	14.48'						
16	STORMTECH MC-3500 END CAPS	MINIMUM ALLOWABLE GRADE (UNPAVED WITH TRAFFIC):	836.00	B	PREFABRICATED END CAP	24" BOTTOM CORED END CAP, PART#: MC3500IEPP24BC / TYP OF ALL 24" BOTTOM CONNECTIONS AND ISOLATOR PLUS ROWS	2.06'						
12	STONE ABOVE (IN)	MINIMUM ALLOWABLE GRADE (TOP OF RIGID CONCRETE PAVEMENT):	836.00	C	PREFABRICATED END CAP	18" BOTTOM CORED END CAP, PART#: MC3500IEPP18BC / TYP OF ALL 18" BOTTOM CONNECTIONS	1.77'						
9	STONE BELOW (IN)	MINIMUM ALLOWABLE GRADE (BASE OF FLEXIBLE PAVEMENT):	835.50	D	FLAMP	INSTALL FLAMP ON 24" ACCESS PIPE / PART#: MC350024RAMP	14.48'						
40	STONE VOID		834.50	E	MANIFOLD	24" x 24" TOP MANIFOLD, ADS N-12	1.77'						
15891	INSTALLED SYSTEM VOLUME (CF) (PERIMETER STONE INCLUDED)	TOP OF STONE:	835.50	F	MANIFOLD	18" x 18" BOTTOM MANIFOLD, ADS N-12							
	(COVER STONE INCLUDED)	24" x 24" TOP MANIFOLD INVERT:	831.96	G	CONCRETE STRUCTURE	CONCRETE STRUCTURE (DESIGN BY ENGINEER / PROVIDED BY OTHERS)	30.2 CFS IN						
4759	SYSTEM AREA (SF)	24" ISOLATOR ROW PLUS INVERT:	830.90	H	CONCRETE STRUCTURE	CONCRETE STRUCTURE (DESIGN BY ENGINEER / PROVIDED BY OTHERS)	8.0 CFS OUT						
286.9	SYSTEM PERIMETER (ft)	18" x 18" BOTTOM MANIFOLD INVERT:	830.00	I	UNDERDRAIN	6" ADS N-12 DUAL WALL PERFORATED HDPE UNDERDRAIN							
		18" BOTTOM CONNECTION INVERT:	830.00										
		BOTTOM OF MC-3500 CHAMBER:	830.00										
		UNDERDRAIN INVERT:	830.00										
		BOTTOM OF STONE:	830.00										

NOTES

- MANHOLE SIZE TO BE DETERMINED BY SITE DESIGN ENGINEER. SEE TECH NOTE #6.32 FOR MANHOLE SIZING GUIDANCE.
- DOE TO THE ADAPTATION OF THIS CHAMBER SYSTEM TO SPECIFIC SITE AND DESIGN CONSTRAINTS, IT MAY BE NECESSARY TO CUT AND COUPLE ADDITIONAL PIPE TO STANDARD MANHOLE COMPONENTS IN THE FIELD.
- THE SITE DESIGN ENGINEER MUST REVIEW ELEVATIONS AND IF NECESSARY ADJUST GRADING TO ENSURE THE CHAMBER COVER REQUIREMENTS ARE MET.
- THIS CHAMBER SYSTEM WAS DESIGNED WITHOUT SITE-SPECIFIC INFORMATION ON SOIL CONDITIONS OR BEARING CAPACITY. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR DETERMINING THE SUITABILITY OF THE SOIL AND PROVIDING THE BEARING CAPACITY OF THE INSITU SOILS. THE BASE STONE DEPTH MAY BE INCREASED OR DECREASED ONCE THIS INFORMATION IS PROVIDED.
- NOT FOR CONSTRUCTION:** THIS LAYOUT IS FOR DIMENSIONAL PURPOSES ONLY TO PROVE CONCEPT & THE REQUIRED STORAGE VOLUME CAN BE ACHIEVED ON SITE.

StormTech Chamber System

6640 TRUHEMAN BLVD
HILLIARD, OH 43026
1-800-733-7473

DATE: _____
DRAWN: _____
CHECKED: _____
DESIGNER: _____
PROJECT #: _____
DRAWN: _____
CHECKED: _____

DANDY MINI MART
LANSING, NY, USA

DATE: _____
DRAWN: _____
CHECKED: _____

2 OF 5

Note: Utility information has been plotted from available sources and their locations and size should be considered approximate only. The contractor is responsible for determining exact utility locations, sizes, and elevations prior to commencing construction. If uncharted or misplotted utilities are encountered, the contractor is required to notify the owner immediately.

New York State law requires excavators to contact the one-call notification system prior to digging to prevent damage to buried facilities.

IT'S THE LAW!
Call three days before you dig!
1-800-962-7962
Dig Safely New York
(non-members must be contacted separately)

FINAL PRINT
Copyright © 2020 Fagan Engineers

Rev.	Date	Description
8.	12/14/22	Site Plan Revisions
7.	11/28/22	Updated Sign/Utility Locations
6.	10/26/22	Per Town Comments
5.	06/16/22	Per NYSDOT Comments
4.	05/23/22	Revised Landscaping Plan
3.	05/03/22	Per NYSDOT Comments
2.	03/21/22	Preliminary Site Plan Submission
1.	07/29/21	Added Southern Fence Line

It is a Violation Of The New York Education Law, Article 145 Section 7209, For Any Person, Unless He 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 Seal And The Notation "Altered By" Followed By His Signature And The Date Of Such Alteration, And A Specific Description Of The Alteration.

SEAL

PROPOSED DANDY MINI-MART
LANSING (T), TOMPKINS (Co.), NEW YORK

FAGAN ENGINEERS
S & LAND SURVEYORS PC

113 East Chemung Place
Elmira N.Y. 14904
Phone (607) 734-2165
Fax (607) 734-2169
www.FaganEngineers.com

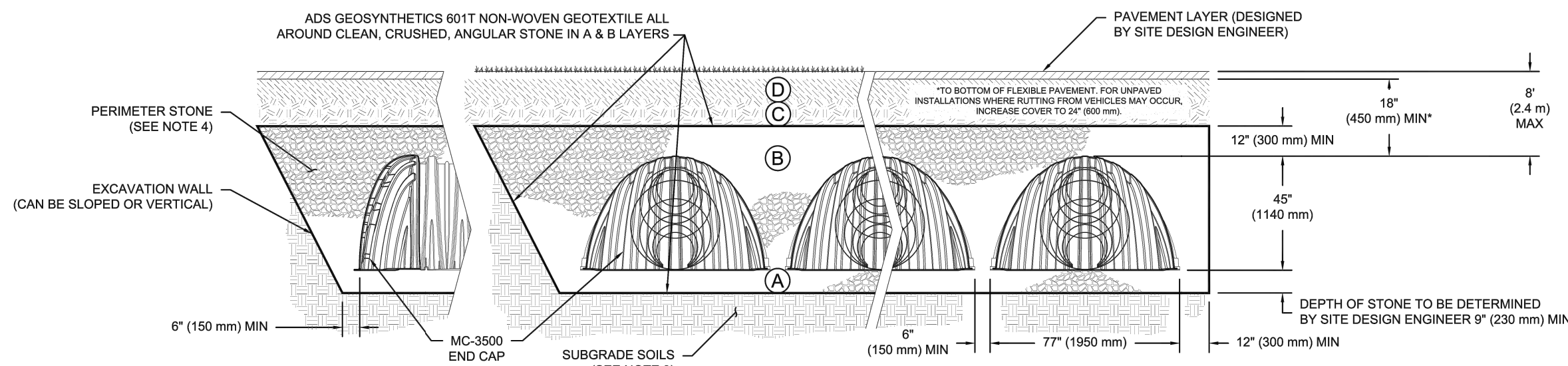
Scale:	As Noted
Date:	November 30, 2020
Design By:	JBG, RSN
Drawn By:	RSN
Checked By:	JBG
Project No.:	2020.062
Drawing Name:	20062.dwg

STORMTECH DETAILS
C14

ACCEPTABLE FILL MATERIALS: STORMTECH MC-3500 CHAMBER SYSTEMS

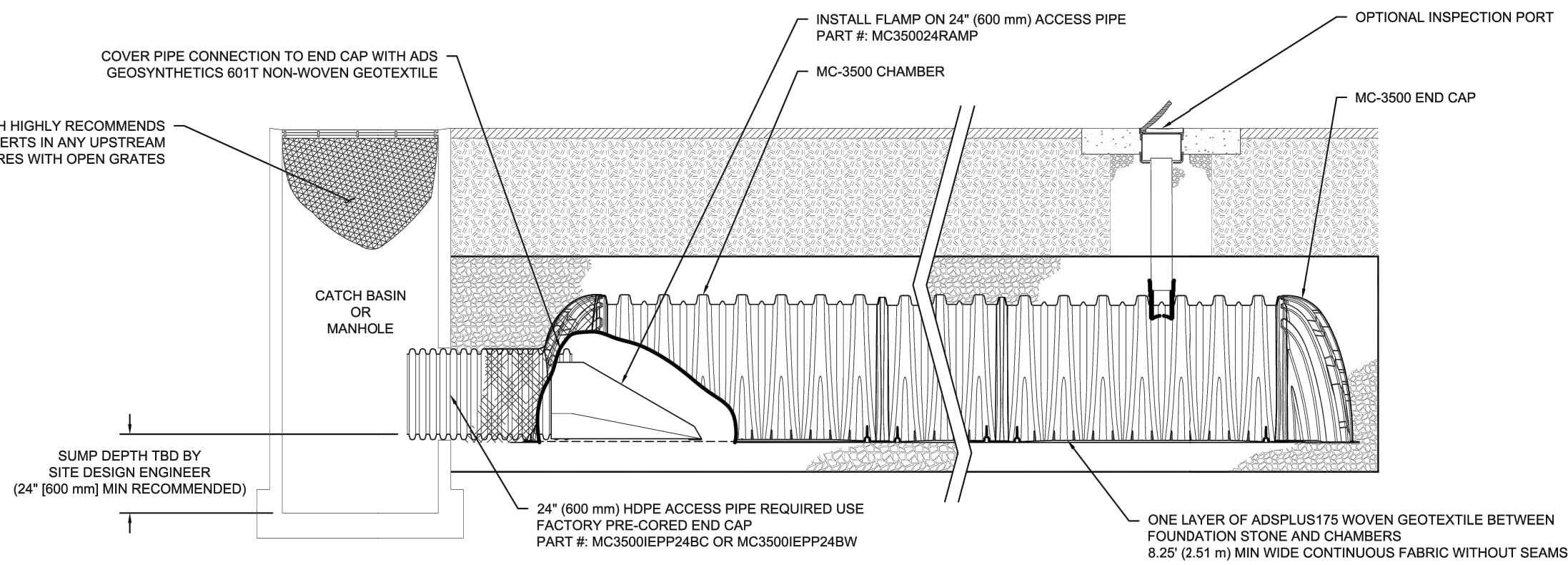
MATERIAL LOCATION	DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
D	FINAL FILL: FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER.	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
C	INITIAL FILL: FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE ('B' LAYER) TO 24" (600 mm) ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER.	AASHTO M145 ¹ A-1, A-2-4, A-3 OR AASHTO M43 ¹ 3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	BEGIN COMPACTIONS AFTER 24" (600 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 12" (300 mm) MAX LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 95% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS.
B	EMBEDMENT STONE: FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER ABOVE.	AASHTO M43 ¹ 3, 4	NO COMPACTION REQUIRED.
A	FOUNDATION STONE: FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	AASHTO M43 ¹ 3, 4	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE. ^{2,3}

PLEASE NOTE:
 1. THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE".
 2. STORMTECH COMPACTION REQUIREMENTS ARE MET FOR A LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 9" (230 mm) (MAX) LIFTS USING TWO FULL COVERAGES WITH A VIBRATORY COMPACTOR.
 3. WHERE INFILTRATION SURFACES MAY BE COMPROMISED BY COMPACTION, FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR DRAGGING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD DESIGNS, CONTACT STORMTECH FOR COMPACTION REQUIREMENTS.
 4. ONCE LAYER 'C' IS PLACED, ANY SOIL/MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.



NOTES:

- CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS" CHAMBER CLASSIFICATION 45x76 DESIGNATION SS.
- MC-3500 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
- THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS.
- PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
- REQUIREMENTS FOR HANDLING AND INSTALLATION:
 - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
 - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 3".
 - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, a) THE ARCH STIFFNESS CONSTANT SHALL BE GREATER THAN OR EQUAL TO 450 LBS/FT². THE ASC IS DEFINED IN SECTION 6.2.8 OF ASTM F2418. AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.



MC-3500 ISOLATOR ROW PLUS DETAIL
NTS

INSPECTION & MAINTENANCE

- STEP 1) INSPECT ISOLATOR ROW PLUS FOR SEDIMENT**
- INSPECTION PORTS (IF PRESENT)
 - REMOVE/OPEN LID ON NYLON/PLAST INLINE DRAIN
 - REMOVE AND CLEAN FLEXSTORM FILTER IF INSTALLED
 - USING A FLASHLIGHT AND STADIA ROD, MEASURE DEPTH OF SEDIMENT AND RECORD ON MAINTENANCE LOG
 - LOWER A CAMERA INTO ISOLATOR ROW PLUS FOR VISUAL INSPECTION OF SEDIMENT LEVELS (OPTIONAL)
 - IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.
 - ALL ISOLATOR PLUS ROWS
 - REMOVE COVER FROM STRUCTURE AT UPSTREAM END OF ISOLATOR ROW PLUS
 - USING A FLASHLIGHT, INSPECT DOWN THE ISOLATOR ROW PLUS THROUGH OUTLET PIPE
 - MIRRORS ON POLES OR CAMERAS MAY BE USED TO AVOID A CONFINED SPACE ENTRY
 - FOLLOW OSHA REGULATIONS FOR CONFINED SPACE ENTRY IF ENTERING MANHOLE
 - IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.
- STEP 2) CLEAN OUT ISOLATOR ROW PLUS USING THE JETVAC PROCESS**
- A FIXED CULVERT CLEANING NOZZLE WITH REAR FACING SPREAD OF 45° (1.1 m) OR MORE IS PREFERRED
 - APPLY MULTIPLE PASSES OF JETVAC UNTIL BACKFLUSH WATER IS CLEAN
 - VACUUM STRUCTURE SUMP AS REQUIRED
- STEP 3) REPLACE ALL COVERS, GRATES, FILTERS, AND LIDS; RECORD OBSERVATIONS AND ACTIONS.**
- STEP 4) INSPECT AND CLEAN BASINS AND MANHOLES UPSTREAM OF THE STORMTECH SYSTEM.**

NOTES

- INSPECT EVERY 6 MONTHS DURING THE FIRST YEAR OF OPERATION. ADJUST THE INSPECTION INTERVAL BASED ON PREVIOUS OBSERVATIONS OF SEDIMENT ACCUMULATION AND HIGH WATER ELEVATIONS.
- CONDUCT JETTING AND VACTORING ANNUALLY OR WHEN INSPECTION SHOWS THAT MAINTENANCE IS NECESSARY.

DANDY MINI MART
LANSING, NY, USA
DRAWN: IK
CHECKED: N/A

DATE: _____ PROJECT #: _____

DESCRIPTION: _____

DATE: _____ DRAWN: CHK _____ DESCRIPTION: _____

888-962-2984 | WWW.STORMTECH.COM

StormTech Chamber System

6545 TRUMAN BLVD
HILLIARD, OH 43026
1-800-733-7473

IADS

SHEET 3 OF 5

DANDY MINI MART
LANSING, NY, USA
DRAWN: IK
CHECKED: N/A

DATE: _____ PROJECT #: _____

DESCRIPTION: _____

DATE: _____ DRAWN: CHK _____ DESCRIPTION: _____

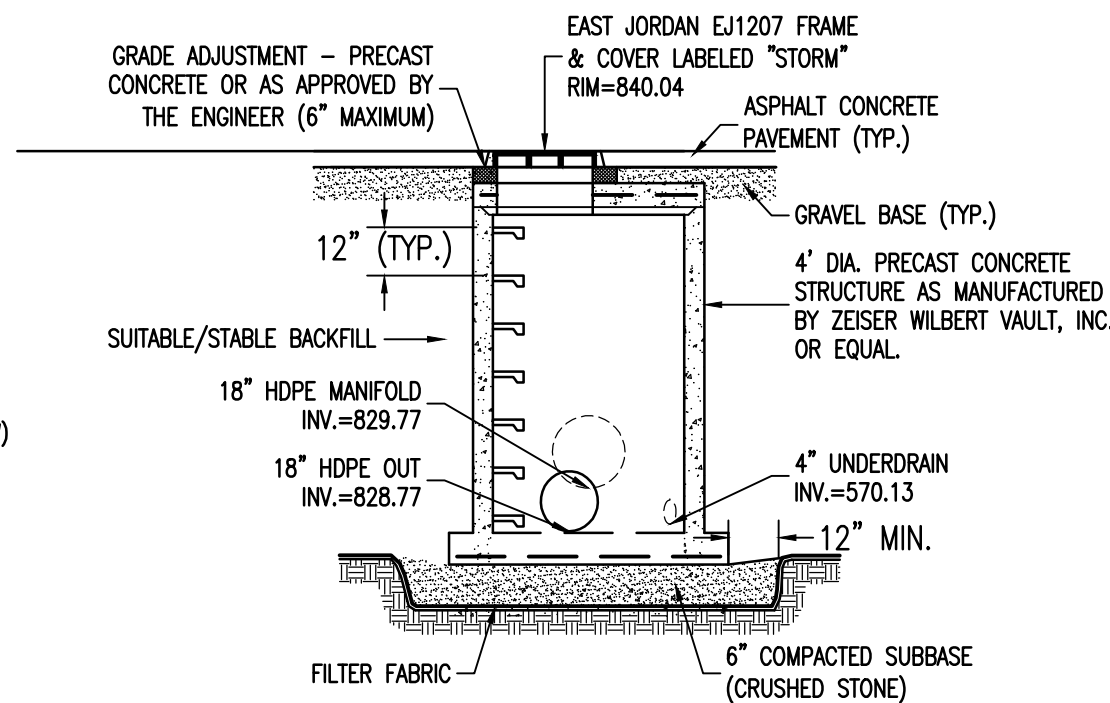
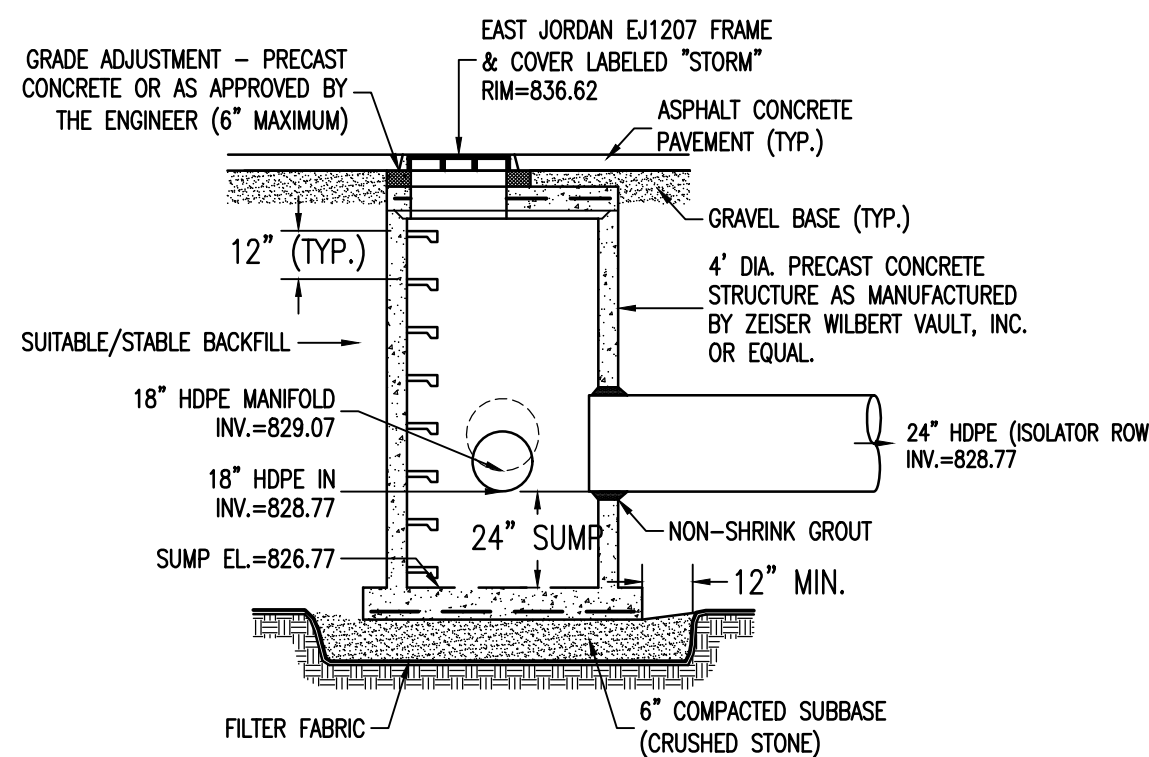
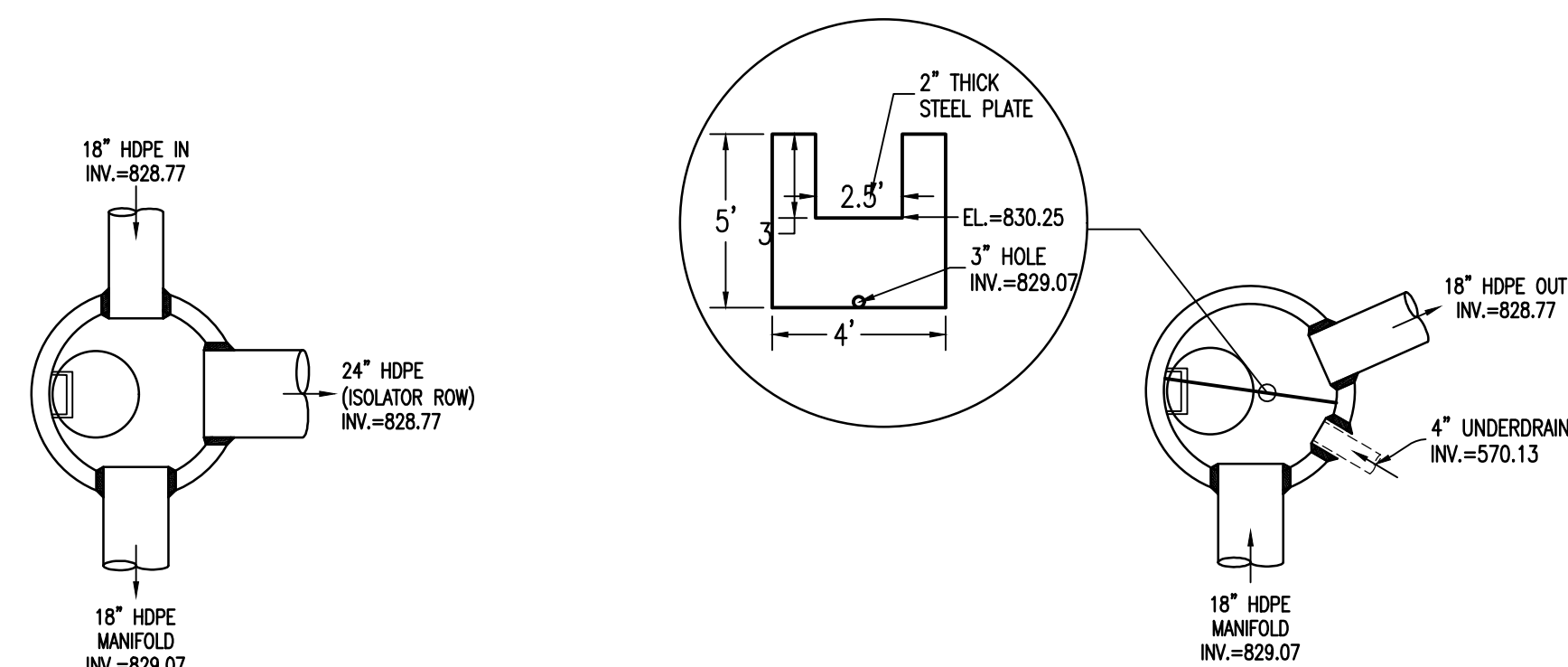
888-962-2984 | WWW.STORMTECH.COM

StormTech Chamber System

6545 TRUMAN BLVD
HILLIARD, OH 43026
1-800-733-7473

IADS

SHEET 4 OF 5



Rev.	Date	Description
8.	12/14/22	Site Plan Revisions
7.	11/28/22	Updated Sign/Utility Locations
6.	10/26/22	Per Town Comments
5.	06/16/22	Per NYSDOT Comments
4.	05/23/22	Revised Landscaping Plan
3.	05/03/22	Per NYSDOT Comments
2.	03/21/22	Preliminary Site Plan Submission
1.	07/29/21	Added Southern Fence Line

It is a Violation Of The New York Education Law, Article 145 Section 7209, For Any Person, Unless He 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 Seal And The Notation "Altered By" Followed By His Signature And The Date Of Such Alteration, And A Specific Description Of The Alteration.

SEAL

PROPOSED DANDY MINI-MART
LANSING (T), TOMPKINS (Co.), NEW YORK

FAGAN ENGINEERS
S & LAND SURVEYORS PC

113 East Chemung Place
Elmira N.Y. 14904
Phone (607) 734-2165
Fax (607) 734-2169
www.FaganEngineers.com

Scale: As Noted
11x17 Prints are 1/2 Size

Date: November 30, 2020

Design By: JBG, RSN

Drawn By: RSN

Checked By: JBG

Project No.: 2020.062

Drawing Name: 20062.dwg

STORMTECH DETAILS
C15

FINAL PRINT
Copyright © 2020 Fagan Engineers

Note:
Utility information has been plotted from available sources and their locations and size should be considered approximate only. The contractor is responsible for determining exact utility locations, sizes, and elevations prior to commencing construction. If uncharted or misplotted utilities are encountered, the contractor is required to notify the owner immediately.

New York State law requires excavators to contact the one-call notification system prior to digging to prevent damage to buried facilities.

IT'S THE LAW!
Call three days before you dig!
1-800-962-7962
Dig Safely New York
(non-members must be contacted separately)

Rev.	Date	Revision Description
8.	12/14/22	Site Plan Revisions
7.	11/28/22	Updated Sign/Utility Locations
6.	10/26/22	Per Town Comments
5.	06/16/22	Per NYSDOT Comments
4.	05/23/22	Revised Landscaping Plan
3.	05/03/22	Per NYSDOT Comments
2.	03/21/22	Preliminary Site Plan Submission
1.	07/29/21	Added Southern Fence Line

It is a Violation Of The New York Education Law, Article 145 Section 7209, For Any Person, Unless He 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 Seal And The Notation "Altered By" Followed By His Signature And The Date Of Such Alteration, And A Specific Description Of The Alteration.

SEAL

PROPOSED DANDY MINI-MART
 LANSING (T), TOMPKINS (Co.), NEW YORK

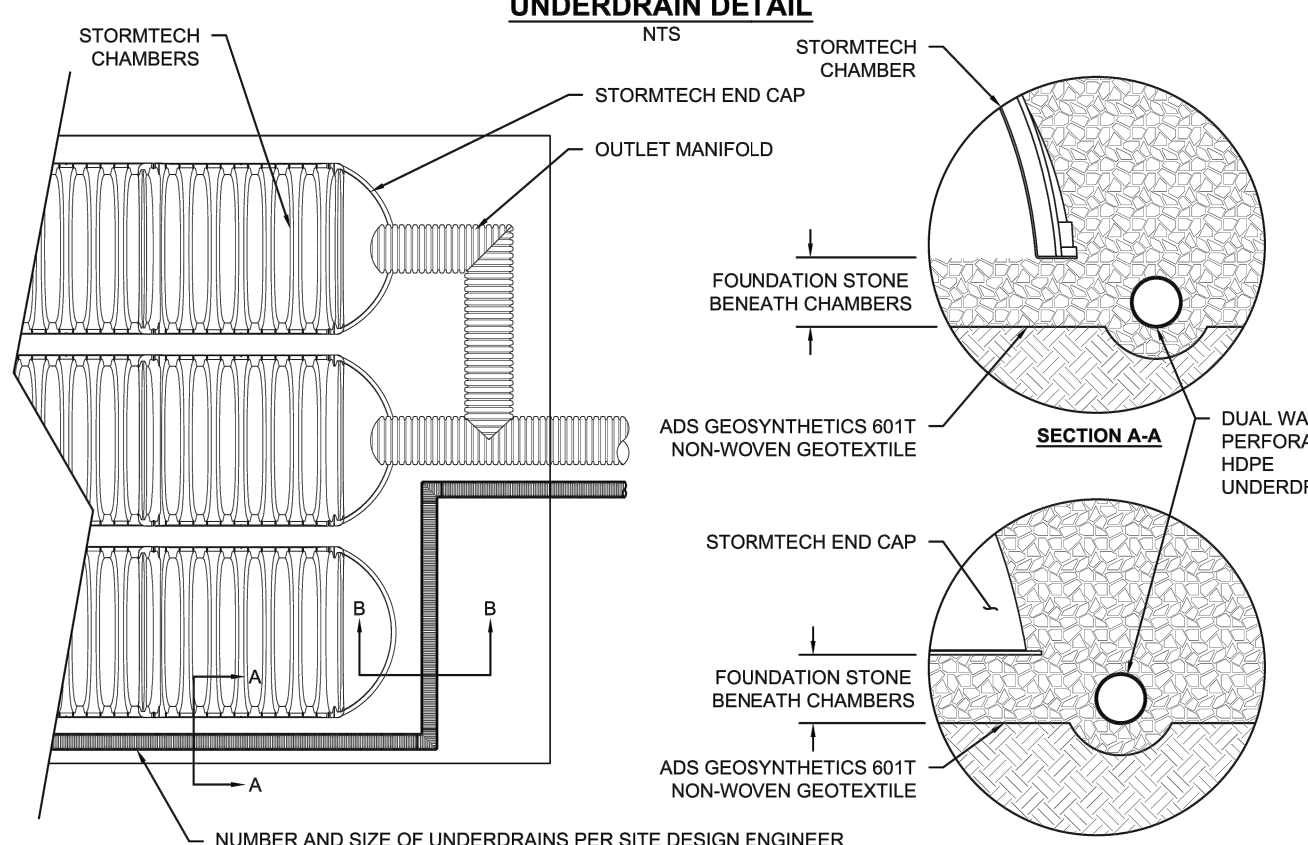


FAGAN ENGINEERS & LAND SURVEYORS PC
 113 East Chemung Place
 Elmira N.Y. 14904
 Phone (607) 734-2165
 Fax (607) 734-2169
 www.FaganEngineers.com

Scale:	As Noted 11x17 Prints are 1/2 Size
Date:	November 30, 2020
Design By:	JBG, RSN
Drawn By:	RSN
Checked By:	JBG
Project No.:	2020.062
Drawing Name:	20062.dwg

STORMTECH DETAILS
C16

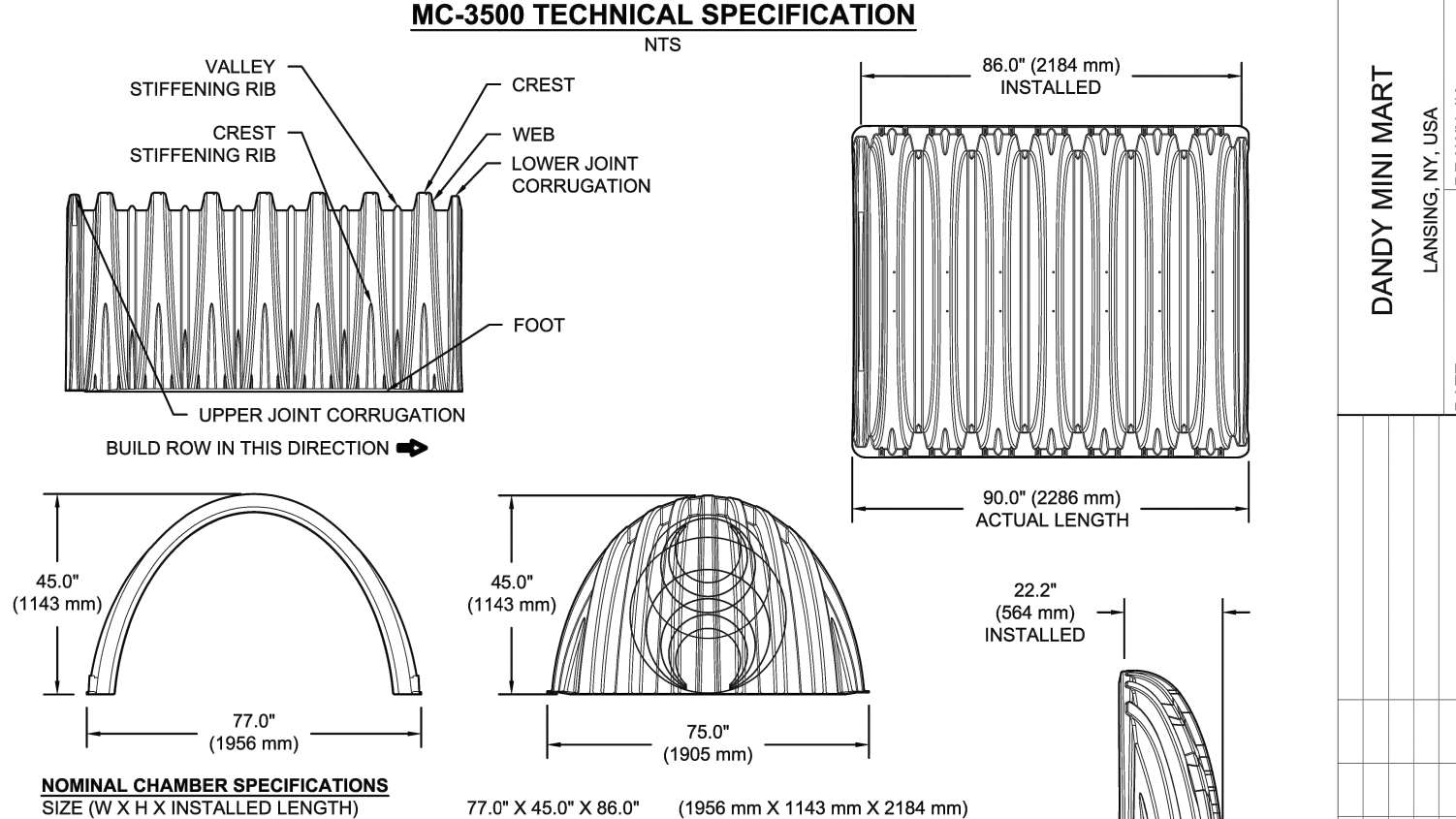
UNDERDRAIN DETAIL



SECTION A-A
SECTION B-B

NUMBER AND SIZE OF UNDERDRAINS PER SITE DESIGN ENGINEER
 4" (100 mm) TYP FOR SC-310 & SC-160LP SYSTEMS
 6" (150 mm) TYP FOR SC-740, DC-780, MC-3500, MC-4500 & MC-7200 SYSTEMS

MC-3500 TECHNICAL SPECIFICATION



NOMINAL CHAMBER SPECIFICATIONS
 SIZE (W X H X INSTALLED LENGTH)
 CHAMBER STORAGE
 MINIMUM INSTALLED STORAGE*
 WEIGHT

77.0" X 45.0" X 88.0"	(1956 mm X 1143 mm X 2184 mm)
109.8 CUBIC FEET	(3.11 m³)
175.0 CUBIC FEET	(4.96 m³)
134 lbs.	(60.8 kg)

NOMINAL END CAP SPECIFICATIONS
 SIZE (W X H X INSTALLED LENGTH)
 END CAP STORAGE
 MINIMUM INSTALLED STORAGE*
 WEIGHT

75.0" X 45.0" X 22.2"	(1905 mm X 1143 mm X 564 mm)
14.9 CUBIC FEET	(0.42 m³)
45.1 CUBIC FEET	(1.26 m³)
49 lbs.	(22.2 kg)

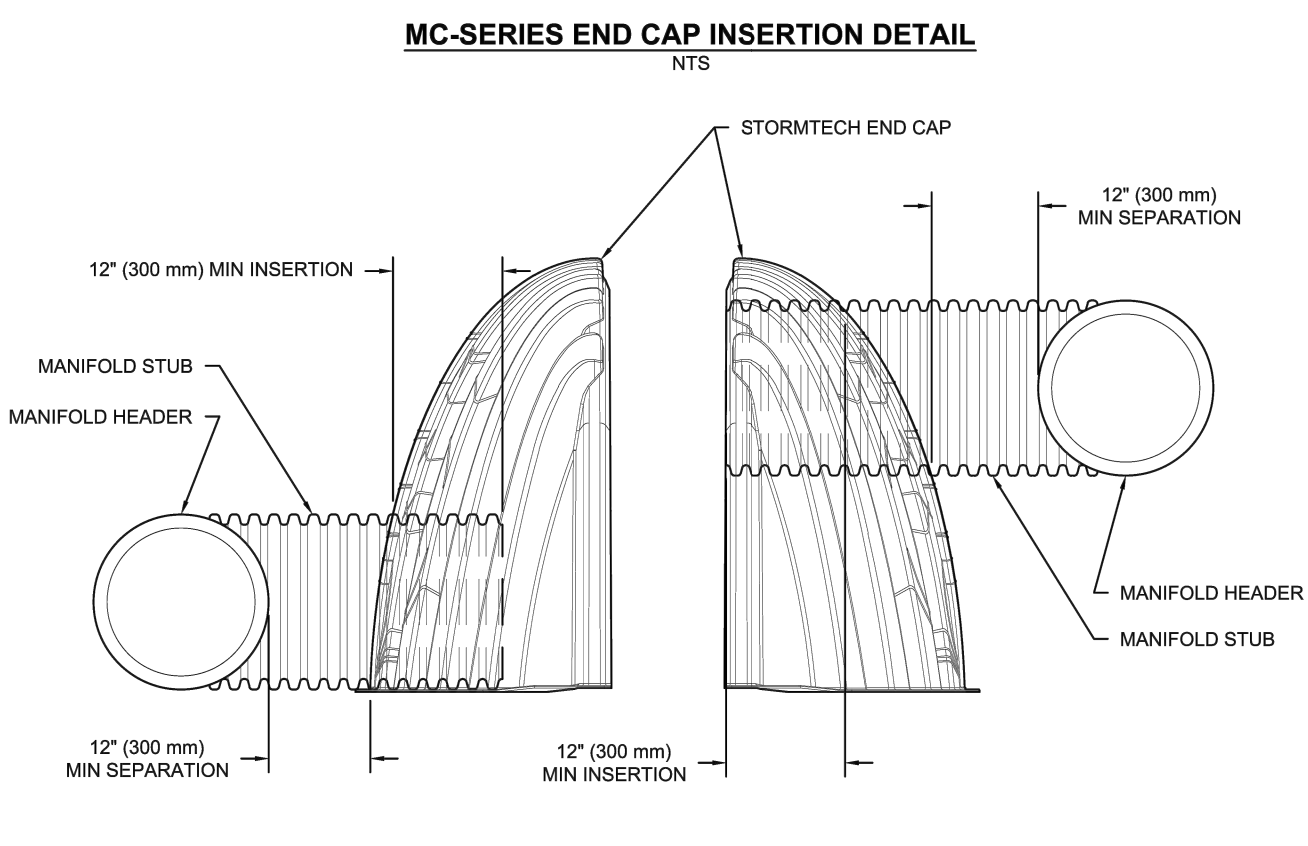
*ASSUMES 12" (305 mm) STONE ABOVE, 6" (229 mm) STONE FOUNDATION, 6" SPACING BETWEEN CHAMBERS, 6" (152 mm) STONE PERIMETER IN FRONT OF END CAPS AND 40% STONE POROSITY

STUBS AT BOTTOM OF END CAP FOR PART NUMBERS ENDING WITH "B"
 STUBS AT TOP OF END CAP FOR PART NUMBERS ENDING WITH "T"
 END CAPS WITH A WELDED CROWN PLATE END WITH "C"
 END CAPS WITH A PREFABRICATED WELDED STUB END WITH "W"

PART #	STUB	B	C
MC3500IEPP06T	6" (150 mm)	33.21" (844 mm)	---
MC3500IEPP08B	---	---	0.66" (17 mm)
MC3500IEPP08T	8" (200 mm)	31.16" (791 mm)	---
MC3500IEPP08B	---	---	0.81" (21 mm)
MC3500IEPP10T	10" (250 mm)	29.04" (738 mm)	---
MC3500IEPP10B	---	---	0.93" (24 mm)
MC3500IEPP12T	12" (300 mm)	26.36" (670 mm)	---
MC3500IEPP12B	---	---	1.35" (34 mm)
MC3500IEPP15T	15" (375 mm)	23.39" (594 mm)	---
MC3500IEPP15B	---	---	1.50" (38 mm)
MC3500IEPP18TC	---	20.03" (509 mm)	---
MC3500IEPP18TW	18" (450 mm)	---	---
MC3500IEPP18BC	---	---	1.77" (45 mm)
MC3500IEPP18BW	---	---	---
MC3500IEPP24TC	---	14.48" (368 mm)	---
MC3500IEPP24TW	24" (600 mm)	---	---
MC3500IEPP24BC	---	---	2.06" (52 mm)
MC3500IEPP24BW	---	---	---
MC3500IEPP30BC	30" (750 mm)	---	2.75" (70 mm)

CUSTOM PRECAST INVERTS ARE AVAILABLE UPON REQUEST.
 INVENTORIED MANIFOLDS INCLUDE 12-24" (300-600 mm) SIZE ON SIZE AND 15-48" (375-1200 mm) ECCENTRIC MANIFOLDS. CUSTOM INVERT LOCATIONS ON THE MC-3500 END CAP CUT IN THE FIELD ARE NOT RECOMMENDED FOR PIPE SIZES GREATER THAN 16" (250 mm). THE INVERT LOCATION IN COLUMN 'B' ARE THE HIGHEST POSSIBLE FOR THE PIPE SIZE.

MC-SERIES END CAP INSERTION DETAIL



NOTE: MANIFOLD STUB MUST BE LAID HORIZONTAL FOR A PROPER FIT IN END CAP OPENING.

DATE: 11/28/22
 DRAWN BY: JBG
 CHECKED BY: RSN
 PROJECT #: 2020.062

DESIGNER: JBG, RSN
 CHECKED BY: RSN
 PROJECT #: 2020.062

DATE: 11/28/22
 DRAWN BY: JBG
 CHECKED BY: RSN
 PROJECT #: 2020.062

DESIGNER: JBG, RSN
 CHECKED BY: RSN
 PROJECT #: 2020.062

4640 ROCHESTER BLVD
 SUITE 100
 1-800-735-7473

ADS

StormTech®
 Chamber System

888-882-2894 | WWW.STORMTECH.COM

SHEET
 5 OF 5

Note:
 Utility information has been plotted from available sources and their locations and size should be considered approximate only. The contractor is responsible for determining exact utility locations, sizes, and elevations prior to commencing construction. If uncharted or misplotted utilities are encountered, the contractor is required to notify the owner immediately.

New York State law requires excavators to contact the one-call notification system prior to digging to prevent damage to buried facilities.
IT'S THE LAW!
 Call three days before you dig!
1-800-962-7962
 Dig Safely New York
 (non-members must be contacted separately)

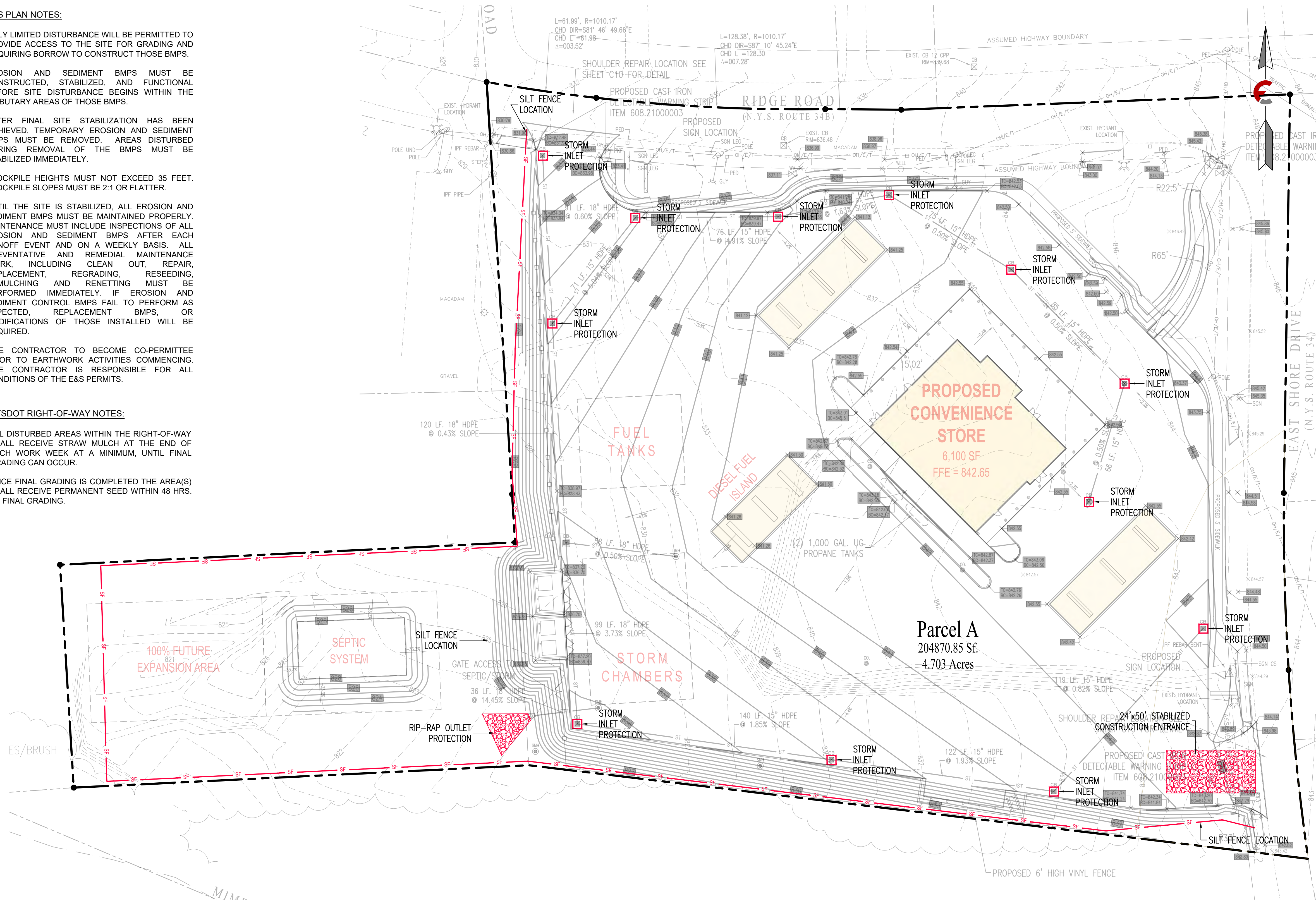
FINAL PRINT
 Copyright © 2020 Fagan Engineers

E&S PLAN NOTES:

- ONLY LIMITED DISTURBANCE WILL BE PERMITTED TO PROVIDE ACCESS TO THE SITE FOR GRADING AND ACQUIRING BORROW TO CONSTRUCT THOSE BMPs.
- EROSION AND SEDIMENT BMPs MUST BE CONSTRUCTED, STABILIZED, AND FUNCTIONAL BEFORE SITE DISTURBANCE BEGINS WITHIN THE TRIBUTARY AREAS OF THOSE BMPs.
- AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED, TEMPORARY EROSION AND SEDIMENT BMPs MUST BE REMOVED. AREAS DISTURBED DURING REMOVAL OF THE BMPs MUST BE STABILIZED IMMEDIATELY.
- STOCKPILE HEIGHTS MUST NOT EXCEED 35 FEET. STOCKPILE SLOPES MUST BE 2:1 OR FLATTER.
- UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENT BMPs MUST BE MAINTAINED PROPERLY. MAINTENANCE MUST INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENT BMPs AFTER EACH RUNOFF EVENT AND ON A WEEKLY BASIS. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, REGRADING, RESEEDING, REMULCHING AND RENETTING MUST BE PERFORMED IMMEDIATELY. IF EROSION AND SEDIMENT CONTROL BMPs FAIL TO PERFORM AS EXPECTED, REPLACEMENT BMPs, OR MODIFICATIONS OF THOSE INSTALLED WILL BE REQUIRED.
- SITE CONTRACTOR TO BECOME CO-PERMITTEE PRIOR TO EARTHWORK ACTIVITIES COMMENCING. SITE CONTRACTOR IS RESPONSIBLE FOR ALL CONDITIONS OF THE E&S PERMITS.

NYS DOT RIGHT-OF-WAY NOTES:

- ALL DISTURBED AREAS WITHIN THE RIGHT-OF-WAY SHALL RECEIVE STRAW MULCH AT THE END OF EACH WORK WEEK AT A MINIMUM, UNTIL FINAL GRADING CAN OCCUR.
- ONCE FINAL GRADING IS COMPLETED THE AREA(S) SHALL RECEIVE PERMANENT SEED WITHIN 48 HRS. OF FINAL GRADING.



LEGEND

---	PROPERTY LINE
- - - -	EXISTING EASEMENT
- - - - -	EXISTING EDGE OF ROADWAY
- - - - -	EXISTING CURB LINE
---	EXISTING SANITARY SEWER
- - - -	EXISTING GAS MAIN
- - - -	EXISTING UTILITY LINE
- - - -	EXISTING FENCE LINE
- - - -	EXISTING WATER LINE
- - - -	EXISTING CONTOUR LINE
---	PROPOSED LIMIT OF DISTURBANCE
---	PROPOSED CONTOUR LINE
---	PROPOSED EASEMENT
---	PROPOSED STORM SEWER
---	PROPOSED EDGE OF ROADWAY
---	PROPOSED CURB LINE
---	PROPOSED SANITARY SEWER
---	PROPOSED GAS LINE
---	PROPOSED UTILITY LINE
---	PROPOSED WATER LINE
---	PROPOSED SILT FENCE
---	PROPOSED COMPOST SOCK
---	EXISTING SANITARY MANHOLE
---	EXISTING FIRE HYDRANT ASSEMBLY
---	EXISTING CLEANOUT
---	EXISTING SPOT ELEVATION
---	PROPOSED SANITARY MANHOLE
---	PROPOSED WATER VALVE
---	PROPOSED THRUST BLOCK
---	PROPOSED FIRE HYDRANT ASSEMBLY
---	PROPOSED CLEANOUT
---	PROPOSED LIGHTING FIXTURE
---	PROPOSED SPOT ELEVATION
---	PROPOSED DRYWELL
---	PROPOSED CATCH BASIN
---	PROPOSED INLET PROTECTION
---	PROPOSED TOP/BOTTOM CURB

CONSTRUCTION SEQUENCE

- ALL PAGE NUMBERS (P. 5*) REFER TO THE NEW YORK STATE GUIDELINES FOR URBAN EROSION AND SEDIMENT CONTROL.
- CONTROL DUST ON SITE TO PREVENT DUST LEAVING THE SITE AND CREATING OFF-SITE DAMAGE, HEALTH HAZARDS, AND TRAFFIC SAFETY PROBLEMS. TREATMENT INCLUDES BUT IS NOT LIMITED TO SPRAYING DISTURBED SOIL SURFACES WITH WATER (5A.87).
- INSTALL STABILIZED CONSTRUCTION ENTRANCE (P. 5A.75). WIDTH: - TWELVE (12) FT. MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. IF ONLY ONE ENTRANCE IS USED THE MINIMUM WIDTH SHALL BE TWENTY-FOUR (24) FEET.
- STANDARD SILT FENCE (P. 5A.19) SHALL THEN BE PLACED AROUND ALL DISTURBED AREAS.
- CLEAR AND GRUB THE SITE. STRIP TOPSOIL AND STOCKPILE ON-SITE WITH PERIMETER SILT FENCE AND VEGETATIVE COVER.
- INSTALL ALL CATCH BASINS. INLET PROTECTION (51.27) SHALL BE PLACED AROUND ALL STORM DRAIN INLETS. UTILIZE TYPE II IN AREAS OF EXCAVATION AND TYPE III IN PAVEMENT AREAS. CONVERT ALL FABRIC DROP INLET PROTECTION TO TYPE III IN-PAVEMENT PROTECTION UPON PAVING COMPLETION WITHIN PROJECT AREA.
- CONSTRUCT BUILDING FOUNDATION AND ENCLOSE BUILDING.
- INSTALL STORMWATER CHAMBER SYSTEM AND CLOSED STORM SEWER SYSTEM. DO NOT CONNECT THE UNDERGROUND STORM SEWER SYSTEM TO THE STORMWATER CHAMBER SYSTEM UNTIL THE PROJECT HAS BEEN VEGETATED.
- INSTALL ROCK OUTLET PROTECTION (P. 5B.21) AT ALL STORM SEWER OUTLETS.
- FINALIZE CONSTRUCTION OF MAIN PROJECT ELEMENTS INCLUDING INFRASTRUCTURE AND NEW PAVEMENT.
- PERFORM SOIL RESTORATION TO DISTURBED AREAS OF THE SITE THAT WILL NOT BE PAVED. SOIL RESTORATION INCLUDES DEEP RIPPING THE SUBSOIL TO A MINIMUM DEPTH OF 12-INCHES, MIXING 3-INCHES OF COMPOST INTO THE SUBSOIL, AND SPREADING 6-INCHES OF TOPSOIL TO THE SITE. SOIL RESTORATION IS REQUIRED FOR ALL AREAS OF EXISTING GRAVEL IMPERVIOUS AREA THAT WILL BE CONVERTED TO PERVIOUS COVER.
- SPREAD TOPSOIL, FINE GRADE, SEED, MULCH, AND ESTABLISH VEGETATIVE COVER.
- ONCE DISTURBED AREAS HAVE REACHED STABILIZATION, CONNECT THE STORM CHAMBER SYSTEM TO THE STORM SEWER SYSTEM.
- REMOVE SEDIMENT FROM ANY SEDIMENT TRAPS OR BASINS.
- REMOVE ALL TEMPORARY EROSION CONTROL METHODS WHEN CONTRIBUTING DRAINAGE AREAS HAVE REACHED FINAL STABILIZATION.

Note: Utility information has been plotted from available sources and their locations and size should be considered approximate only. The contractor is responsible for determining exact utility locations, sizes, and elevations prior to commencing construction. If uncharted or misplotted utilities are encountered, the contractor is required to notify the owner immediately.

IT'S THE LAW!
Call three days before you dig!
1-800-962-7962
Dig Safely New York
(non-members must be contacted separately)

Rev.	Date	Revision Description
8.	12/14/22	Site Plan Revisions
7.	11/28/22	Updated Sign/Utility Locations
6.	10/26/22	Per Town Comments
5.	06/16/22	Per NYSDOT Comments
4.	05/23/22	Revised Landscaping Plan
3.	05/03/22	Per NYSDOT Comments
2.	03/21/22	Preliminary Site Plan Submission
1.	07/29/21	Added Southern Fenceline

It is a Violation Of The New York Education Law, Article 145 Section 7209, For Any Person, Unless He 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 Seal And The Notation "Altered By" Followed By His Signature And The Date Of Such Alteration, And A Specific Description Of The Alteration.

SEAL

PROPOSED DANDY MINI-MART
LANSGING (T), TOMPKINS (Co.), NEW YORK

FAGAN ENGINEERS
S LAND SURVEYORS PC

113 East Chemung Place
Elmira N.Y. 14904
Phone (607) 734-2165
Fax (607) 734-2169
www.FaganEngineers.com

Scale: 1" = 30'
11x17 Prints are 1/2 Size

Date: November 30, 2020

Design By: JBG, RSN

Drawn By: RSN

Checked By: JBG

Project No.: 2020.062

Drawing Name: 20062.dwg

E & S PLAN
G17

FINAL PRINT
Copyright © 2020 Fagan Engineers

STANDARD AND SPECIFICATIONS FOR LAWN AREA IMPROVEMENT

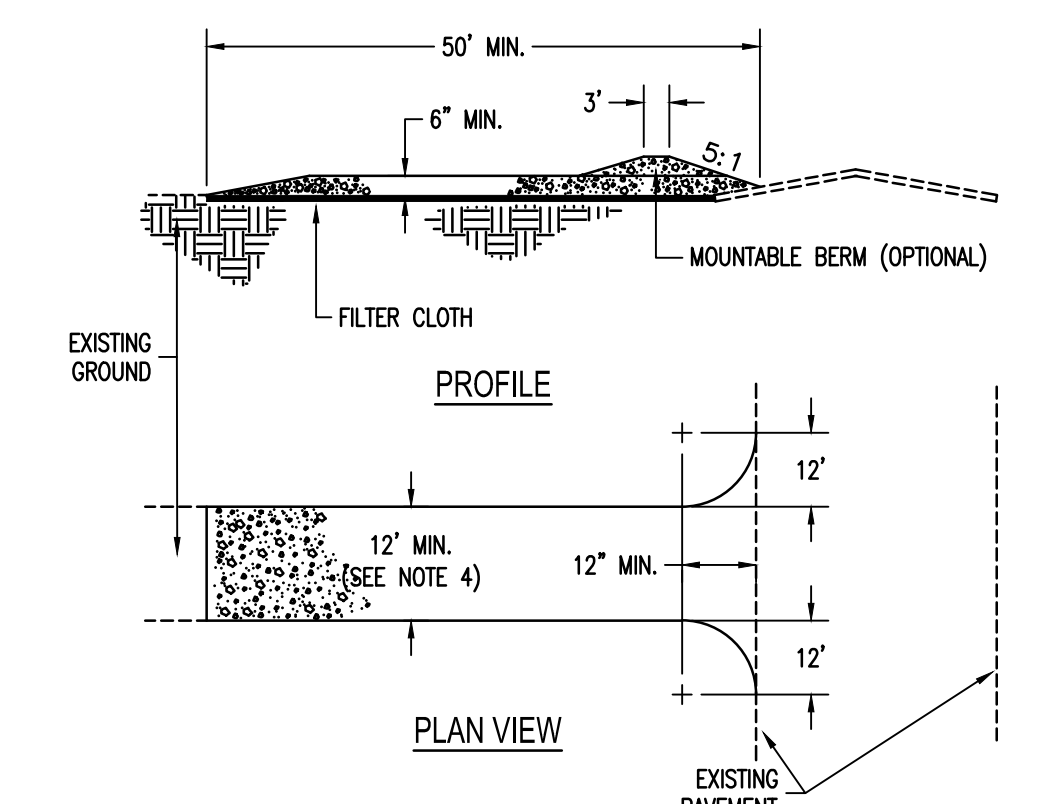
Establishing Grasses (Turf grasses)

- Time of planting:
 - Fall planting is preferred. Seed after August 15. In the spring plant until May 15.
 - If seeding is done between May 15 and August 15, irrigation may be necessary to insure a successful seeding.
- Site Preparation:
 - Install needed water and erosion control measures and bring area to be seeded to desired grades. A minimum of 4 in topsoil is required.
 - Prepare seedbed by loosening soil to a depth of 1 to 6 inches.
 - Remove all stones over 1 inch in diameter, sticks and foreign matter from the surface.
 - Lime to pH if 6.0 - 7.0.
 - Fertilize as per soil test or apply 800 to 900 pounds of 5-10-10 or equivalent per acre (20 lbs./1,000 sf.).
 - Incorporate lime and fertilizer in top 2 - 4 inches of topsoil.
 - Smooth and firm the seedbed.
- Planting:
 - Use a cultipacker type seeder if possible.
 - If seed is to be drilled, cultipack or roll before and after seeding. Drill the seed to a depth of 1/8 to 1/4 inch. If seed is to be broadcast, cultipack or roll after seeding on loose soil.
 - If hydroseeded, lime and fertilizer may be applied through the seeder.
- Mulching:
 - Site preparation:
 - Prior to mulching, install the necessary temporary or permanent erosion control (structural) practices and drainage systems within or adjacent to area to be mulched.
 - Slope, grade and smooth the site if conventional equipment is to be used in applying and anchoring the mulch.
 - Remove all undesirable stone and other debris depending on anticipated land use.
 - Compacted or crusted soil surface should be loosened to at least 2 inches by disking or other suitable methods.
 - Mulching Materials:
 - The best combination is straw (small grain) mulch applied at 2 ton/acre (90 lbs./1,000 sf.) and anchored with wood fiber mulch (hydromulch) at 500 - 700 lbs./acre (11 - 17 lbs./1,000 sf.). The wood fiber mulch must be applied through a hydroseeder immediately after mulching.

SITE/USE	SPECIES % BY WEIGHT	Lbs./1,000 sf.	Lbs./Acre
Sunny Sites (well moderately well and somewhat poorly drained soils)	65% Kentucky Bluegrass Blend	2.0 - 2.6	85 - 114
	20% Perennial Ryegrass	0.6 - 0.8	26 - 35
	15% Fine Fescue	0.4 - 0.6	19 - 26
Sunny Droughty Sites - General recreation areas and lawns, low maintenance (somewhat excessively to excessively drained soils)	65% Fine Fescue	2.6 - 3.3	114 - 143
	15% Perennial Ryegrass	0.6 - 0.7	26 - 33
	20% Kentucky Bluegrass Blend	0.8 - 1.0	35 - 44
6. First Year		4.0 - 5.0	174 - 220

7. Maintaining Grasses

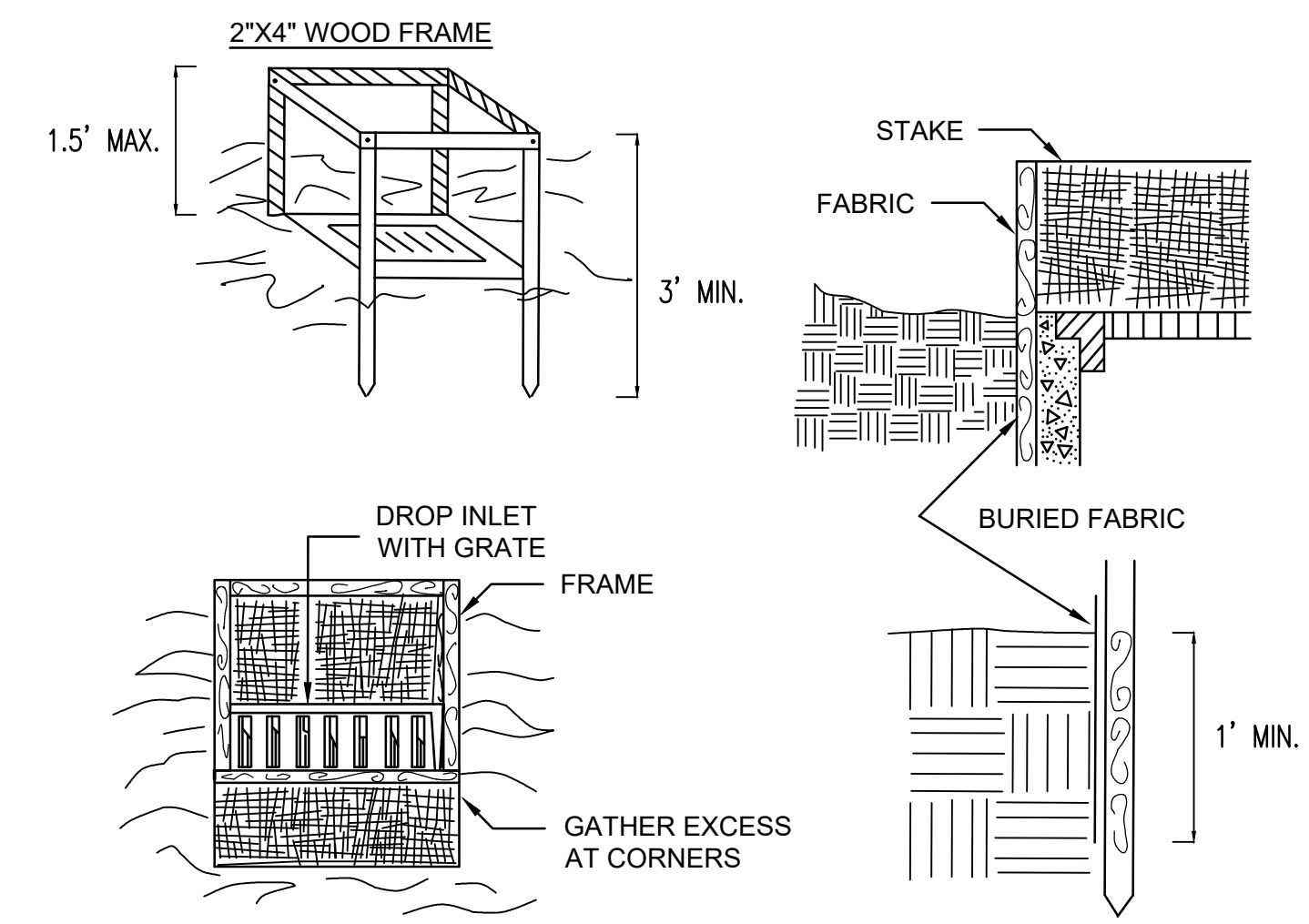
- Maintain a pH of 6.0 to 7.0.
- Fertilize in late May to early June as follows with 10-10-10 analysis fertilizer at the rate of 10 lbs./1,000 sf. and repeat in late August if sod density is not adequate. Top dress weak sod annually in the spring but at least once every 2 to 3 years.
- Aerate compacted or heavily used areas, like athletic fields, annually as soon as soil moisture conditions permit. Aerate area 6 to 8 times using a spoon or hollow tine type aeration. Do not use solid spike equipment.
- Reseed bare and thin areas annually with original species.



STABILIZED CONSTRUCTION ENTRANCE

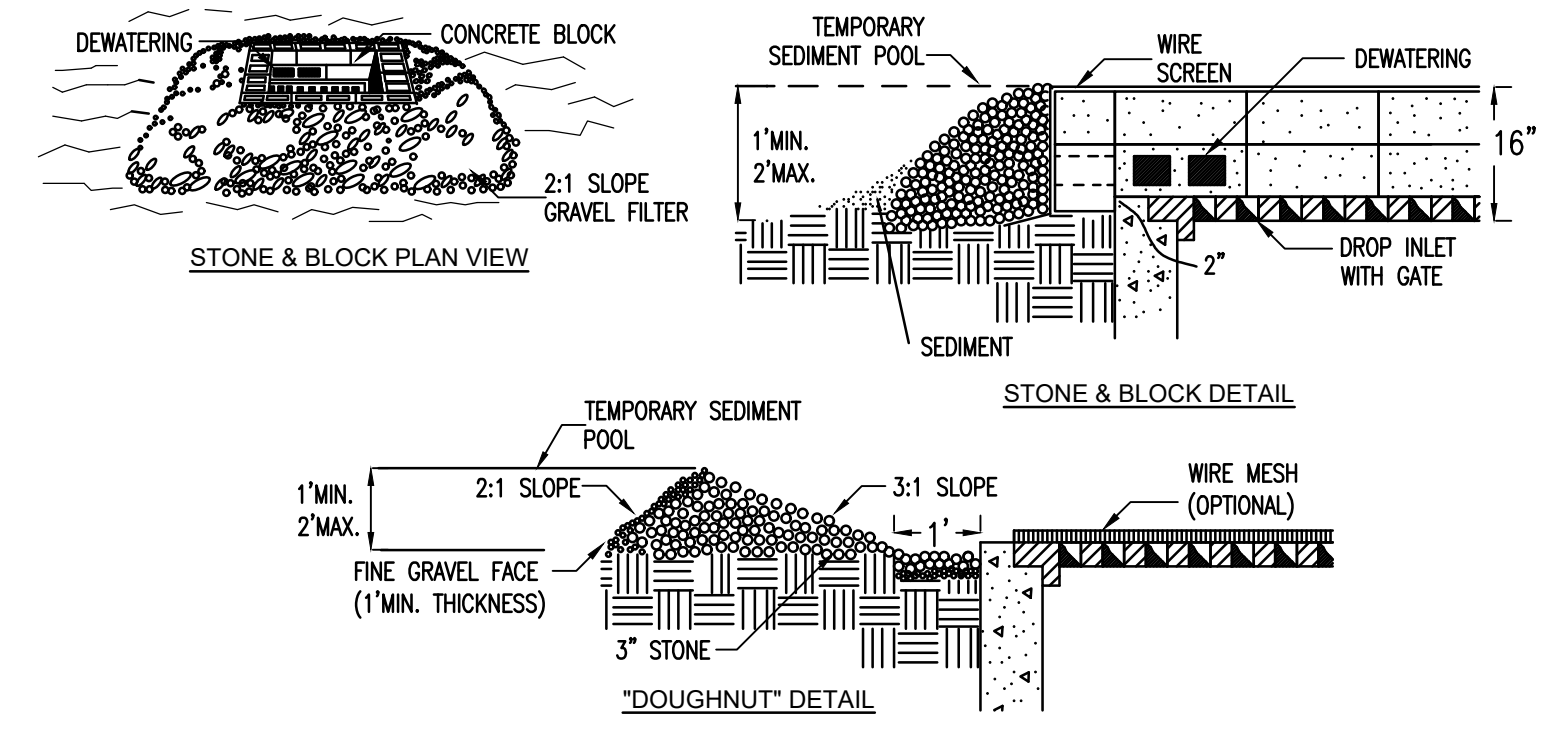
NTS.
CONSTRUCTION SPECIFICATIONS

- Stone size: - Use 2" stone, or reclaimed or recycled concrete equivalent.
- Length: - As required, but no less than 50 feet.
- Thickness: - Not less than (6) inches.
- Width: - Twelve (12) ft. Minimum, but not less than the full width at points where ingress or egress occurs. If only one entrance is used the minimum width shall be twenty-four (24) feet.
- 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 is permitted.
- Maintenance: - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public rights-of-way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleanout of any measures used to trap sediment. All sediment spilled, dropped, washed or tracked onto public rights-of-way must be removed immediately by Contractor.
- Washing: - Wheels shall be cleaned to remove sediment prior to entrance onto a public rights-of-way. When washing is required it shall be done on an area stabilized with stone and which drains into an approved sediment trapping device.
- Periodic inspection and needed maintenance shall be provided after each rain.



FILTER FABRIC STORM DRAIN PROTECTION

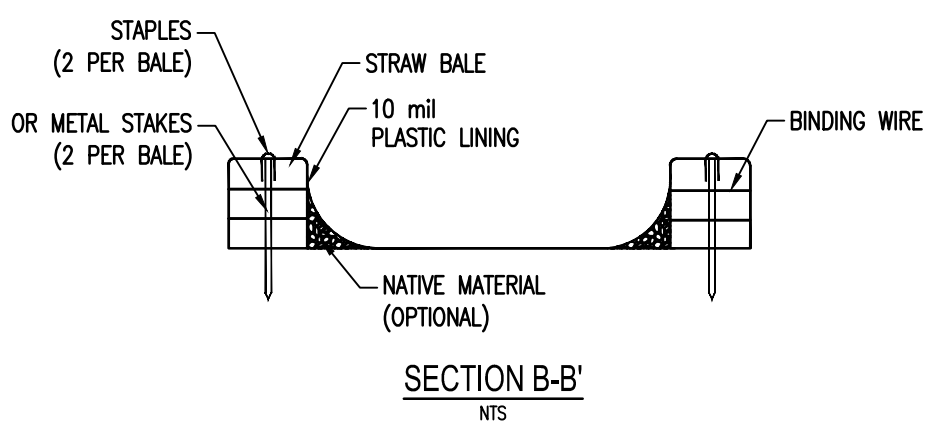
NTS.



IN-PAVEMENT INLET PROTECTION

NTS.

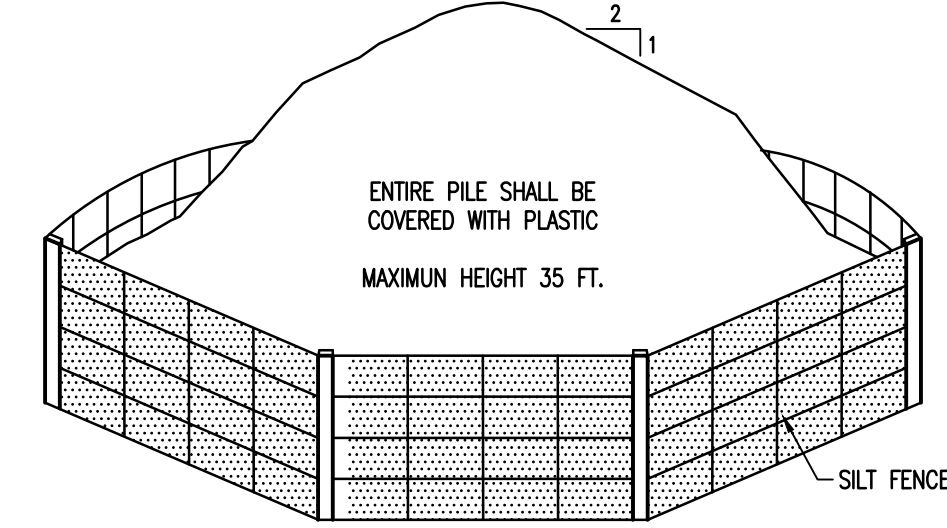
- LAY ONE BLOCK ON EACH SIDE OF THE STRUCTURE ON ITS SIDE FOR DEWATERING. FOUNDATION SHALL BE 2 INCHES MINIMUM BELOW REST OF INLET AND BLOCKS SHALL BE PLACED AGAINST INLET FOR SUPPORT.



OUTLET No.	PIPE DIA. (in)	Q (cfs)	V (fps)	STONE DIA. (in)	W1 (ft)	W2 (ft)	L (ft)	D (in)
1-#1	-	-	-	-	-	-	-	-

RIP-RAP OUTLET APRON DETAIL

NOT TO SCALE

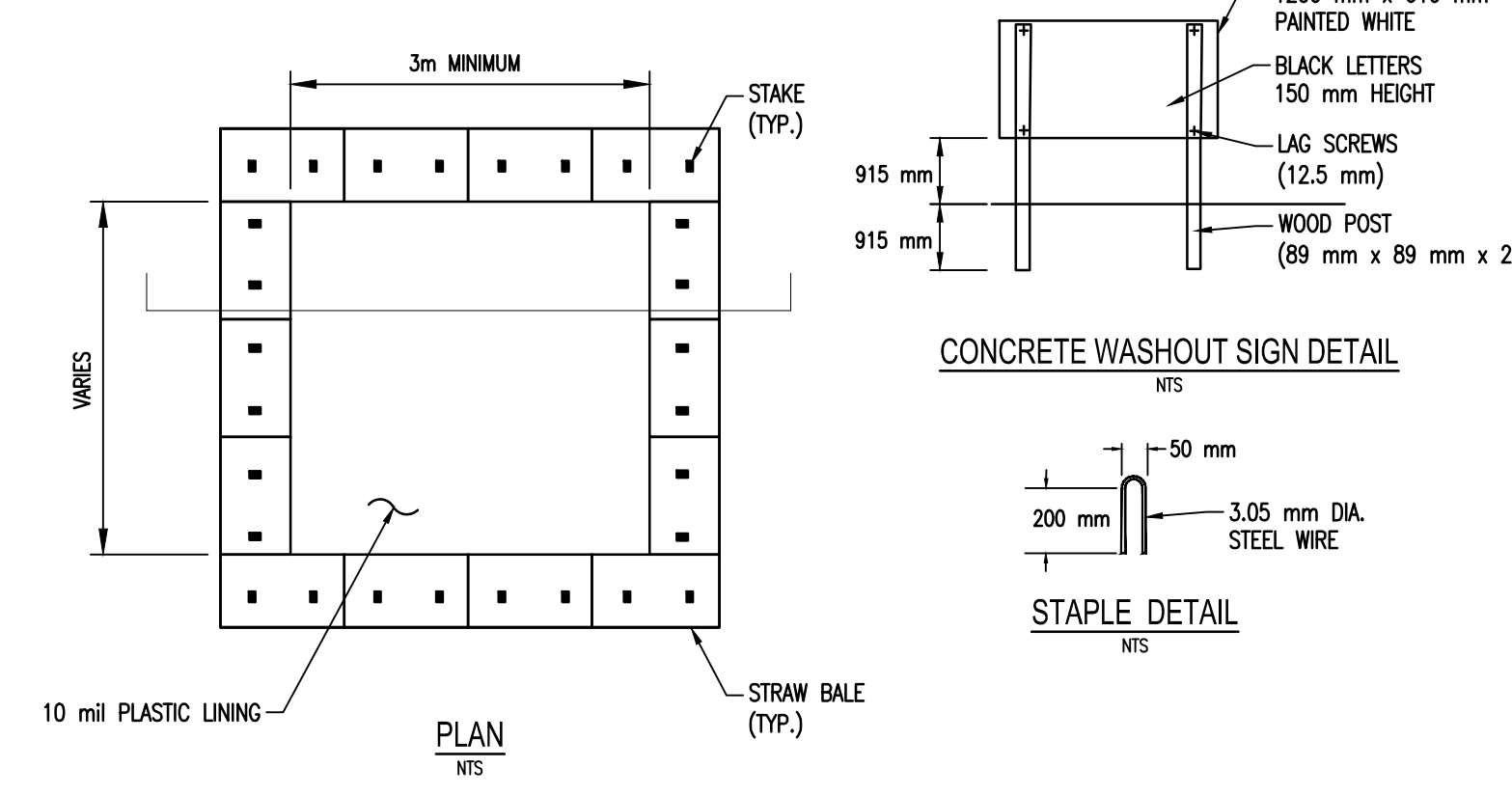


SOIL STOCKPILING NOTES:

- AREA FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
- MAXIMUM SLOPE OF STOCKPILE SIDESLOPES SHALL BE 2:1.
- UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH SILT FENCING AND THEN STABILIZED WITH SEED OR SECURED IMPERVIOUS COVER.
- SEE SILT FENCE INSTALLATION DETAIL.
- PLASTIC SHEETING SHALL BE PLACED BELOW ALL STOCKPILE AREAS.

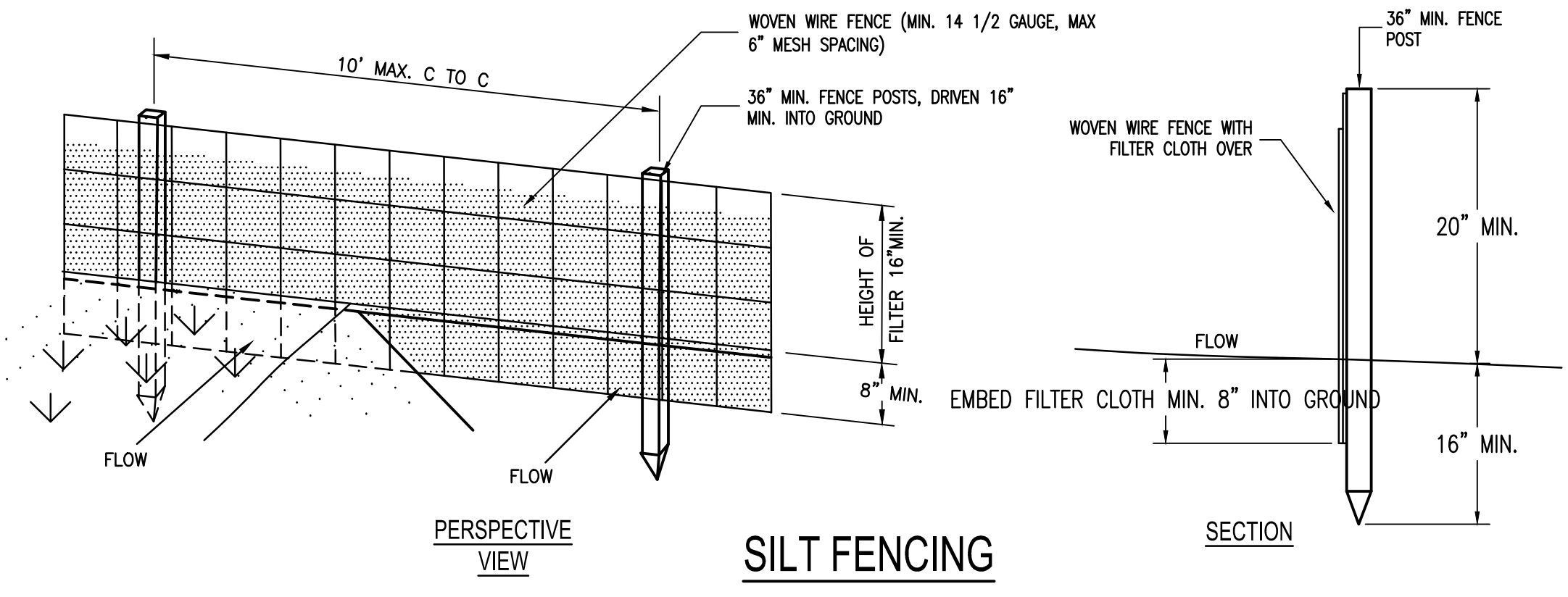
SOIL STOCKPILE DETAIL

NOT TO SCALE



CONCRETE WASHOUT DETAIL

NTS.



SILT FENCING

NTS.

CONSTRUCTION SPECIFICATIONS FOR FABRICATED SILT FENCE

- Woven wire fence to be fastened securely to fence posts with wire ties or staples.
 - Filter cloth to be fastened securely to woven wire fence with ties spaced every 24" at top and mid section.
 - When two sections of filter cloth adjoin each other they shall be over-lapped by 6" and folded.
 - Maintenance shall be performed as needed and material removed when "bulges" develop in the silt fence.
- Posts: Steel either "t" or "u" type or 2" hardwood.
- Fence: Woven wire, 14 1/2 ga. 6" max. mesh opening filter.
- Cloth: Filter x, mirafi 100x, stab-links t140n or approved equal, prefabricated unit, geotab, envirofence, or approved equal.

Rev.	Date	Revision Description
8.	12/14/22	Site Plan Revisions
7.	11/28/22	Updated Sign/Utility Locations
6.	10/26/22	Per Town Comments
5.	06/16/22	Per NYSDOT Comments
4.	05/23/22	Revised Landscaping Plan
3.	05/03/22	Per NYSDOT Comments
2.	03/21/22	Preliminary Site Plan Submission
1.	07/29/21	Added Southern Fenceline

It is a Violation Of The New York Education Law, Article 145 Section 7209, For Any Person, Unless He 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 Seal And The Notation "Altered By" Followed By His Signature And The Date Of Such Alteration, And A Specific Description Of The Alteration.

SEAL

PROPOSED DANDY MINI-MART
LANSGING (T), TOMPKINS (Co.), NEW YORK

FAGAN ENGINEERS & LAND SURVEYORS PC
113 East Chemung Place
Elmira N.Y. 14904
Phone (607) 734-2165
Fax (607) 734-2169
www.FaganEngineers.com

Scale:	As Noted
	11x17 Prints are 1/2 Size
Date:	November 30, 2020
Design By:	JBG, RSN
Drawn By:	RSN
Checked By:	JBG
Project No.:	2020.062
Drawing Name:	20062.dwg

E & S DETAILS

C18

FINAL PRINT
Copyright © 2020 Fagan Engineers

NYS DOT STANDARD GENERAL PLAN NOTES:

- THE ROADWAY SHALL BE KEPT CLEAN OF MUD AND DEBRIS AT ALL TIMES.
 - ROADSIDE DRAINAGE SHALL BE MAINTAINED AT ALL TIMES.
 - MATERIALS, EQUIPMENT AND VEHICLES SHALL NOT BE STORED OR PARKED WITHIN THE NEW YORK STATE RIGHT-OF-WAY.
 - WORKZONE TRAFFIC CONTROL SHALL COMPLY WITH THE 2009 EDITIONS OF THE NATIONAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS AND THE NEW YORK STATE SUPPLEMENT, AND SHALL BE IN ACCORDANCE WITH THE NYS DOT CONTRACT OR HIGHWAY WORK PERMIT DOCUMENTS AND AS DEEMED NECESSARY BY THE NYS ENGINEER IN CHARGE.
 - NOTIFY NEW YORK STATE DEPARTMENT OF TRANSPORTATION RESIDENT ENGINEER AT THE APPLICABLE RESIDENCY, THREE WORKING DAYS PRIOR TO WORKING IN THE STATE RIGHT-OF-WAY.
- ONONDAGA EAST** 315-458-1910
 ONONDAGA WEST 315-672-8151
 CORTLAND/TOMPKINS 607-756-7072
 OSWEGO 315-963-3730
 CAYUGA/SENECA 315-539-3112
- NOTIFY DIG SAFELY NEW YORK THREE WORKING DAYS PRIOR TO DIGGING, DRILLING OR BLASTING AT 1-800-962-7962, FOR A UTILITY STAKE-OUT.
 - ALL WORK CONTEMPLATED AND MATERIALS USED WITHIN THE NYS RIGHT-OF-WAY SHALL BE COVERED BY AN IN CONFORMITY WITH THE NYS DEPARTMENT OF TRANSPORTATION MAY 1, 2008 SPECIFICATIONS BOOK AND ANY SUBSEQUENT ADDENDA ALONG WITH ANY APPROPRIATE CURRENT NYS DEPARTMENT OF TRANSPORTATION STANDARD SHEETS, EXCEPT AS MODIFIED IN THESE PLANS AND IN THE ITEMIZED PROPOSAL. METRIC UNITS MAY BE CONVERTED TO ENGLISH.
 - QUALITY CONTROL OF ASPHALT CONCRETE SHALL MEET THE REQUIREMENTS OF SECTION 402 OF THE STANDARD SPECIFICATIONS. ASPHALT COURSE DEPTHS SHOWN ON THE PLANS ARE COMPACTED DEPTHS.
 - NO NIGHT WORK WILL BE ALLOWED UNLESS PRIOR APPROVAL IS GIVEN BY THE DEPARTMENT. ADDITIONAL MAINTENANCE AND PROTECTION OF TRAFFIC WILL BE REQUIRED INCLUDING THE ADDITION OF REFLECTIVE MATERIALS AND LIGHTING.
 - 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 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 IS WORK, THE DEPARTMENT OF TRANSPORTATION SHALL HAVE NO OBLIGATION TO CURE, REMOVE, REMEDY OR OTHERWISE DEAL WITH SUCH A PREVIOUSLY UNKNOWN UNDERGROUND IMPEDIMENTS. THE DEPARTMENT WILL PERMIT THE PERMITTEE TO REMOVE, MODIFY OR OTHERWISE DEAL WITH SUCH UNDERGROUND TANKS, STRUCTURE FEATURE OR IMPEDIMENT IF SUCH IS DONE IN A MANNER WHICH MEETS ACCEPTABLE ENGINEERING PRACTICE AND IS PRE-APPROVED BY THE DEPARTMENT OF TRANSPORTATION. SHOULD PERMITTEE DETERMINE THAT SUCH UNFORESEEN UNDERGROUND IMPEDIMENT RENDERS PERMITTEE WORK AS AUTHORIZED BY THIS PERMIT UNFEASIBLE, PERMITTEE SHALL HAVE THE OPTION OF RESTORING THE HIGHWAY TO ITS ORIGINAL CONDITIONS AND NOT PERFORMING SUCH WORK.
 - OPEN CUTTING OF THE ROADWAY SHALL NOT BE ALLOWED UNLESS PERMISSIONS GRANTED IN WRITING, BY THE REGIONAL TRAFFIC ENGINEER.

CONVENTIONAL ROADWAY

- Notes:
- In urban conditions, advance warning sign spacings may be adjusted in order to accommodate side streets and driveways.
 - Centerline cones may be added to enhance the visibility of the flagger station. If cones are used, place them 100 ft. (minimum) from flagger.
 - Flagger Symbol Sign (W20-7) and "ONE LANE ROAD AHEAD" Sign (W20-4) shall be removed, covered or turned away from road users when flagging operations are not occurring.
 - Should the traffic queue prior to the advance warning signs, the "BE PREPARED TO STOP" sign can be added to the sign series at location shown or the entire advance warning sign series shall be moved to a location prior to the queued traffic.
 - If condition warrants, Barrier Vehicle with appropriate roll ahead distance may be used in advance of the work area. To use Barrier Vehicle, Buffer Space shall be provided accordingly.
 - For moving flagging operation, refer to TAST-CMF.

TABLE 1: ADVANCE WARNING SIGN SPACING

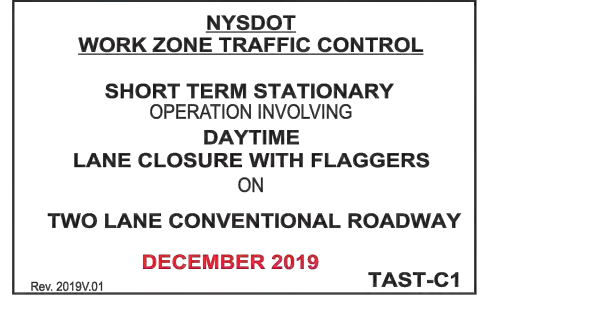
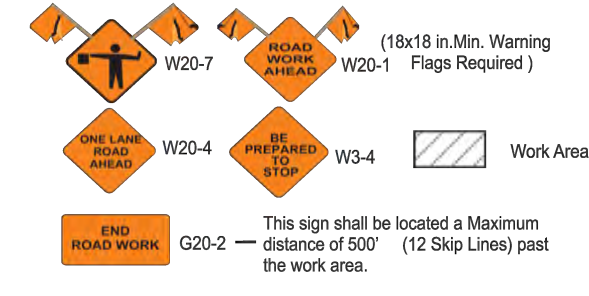
Roadway	PRECONSTRUCTION POSTED SPEED LIMIT (MPH)	DISTANCE BETWEEN SIGNS	
		A (FT.)	B (FT.)
URBAN LOW (30 MPH)	30	100	100
URBAN (35-40 MPH)	35	200	200
URBAN HIGH (40-45 MPH)	40	350	350
RURAL	50	500	500

TABLE 2

PRECONSTRUCTION POSTED SPEED LIMIT (MPH)	CONVENTIONAL HIGHWAY	FREEMWAY/EXPRESSWAY
25	155 (-4 Skip Lines)	200 (-5 Skip Lines)
30	200 (-5 Skip Lines)	250 (-6 Skip Lines)
35	250 (-6 Skip Lines)	305 (-8 Skip Lines)
40	305 (-8 Skip Lines)	360 (-9 Skip Lines)
45	360 (-9 Skip Lines)	425 (-11 Skip Lines)
50	425 (-11 Skip Lines)	495 (-13 Skip Lines)

TABLE 3: REQUIRED SIGN SIZES*

SIGN	CONVENTIONAL HIGHWAY	FREEMWAY/EXPRESSWAY
W20-7	30x36 in.	48x48 in.
W20-1	30x36 in.	48x48 in.
W20-4	30x36 in.	48x48 in.
W3-4	30x36 in.	48x48 in.
G20-2	30x18 in.	48x24 in.



CONVENTIONAL ROADWAY

- Notes:
- Short-term stationary is daytime work that occupies a location for more than 1 hour within a single daylight period.
 - The Barrier Vehicle (and Advance Warning Vehicle(s) where appropriate) shall maintain the appropriate Roll-Ahead Distance, be an unoccupied truck, positioned parallel to traffic, parking brake set, placed in 2nd gear (Park/Neutral), have the wheels aligned with the lane striping and lane to maintain lane discipline and to stay in lane if struck.
 - There shall be no workers, equipment or other vehicles in the buffer space or the roll ahead distance.

TABLE 1: ADVANCE WARNING SIGN SPACING

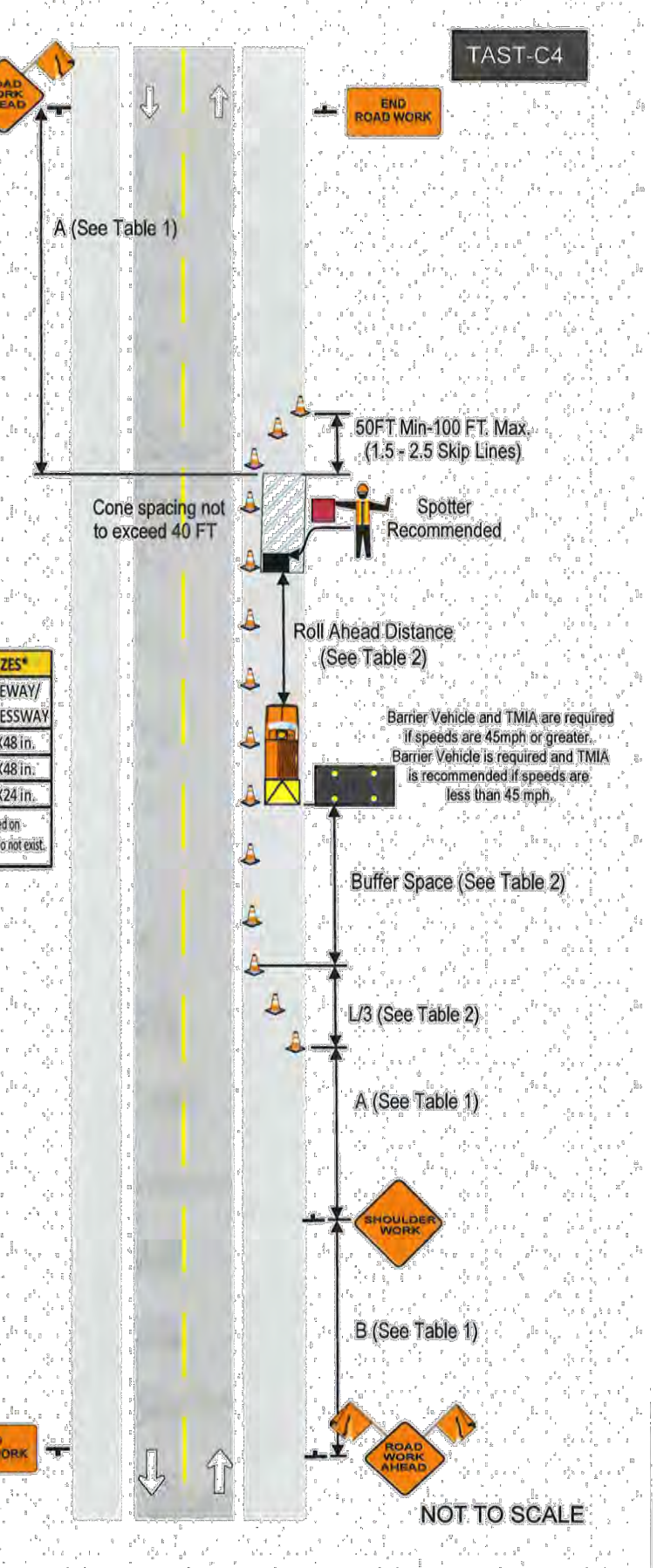
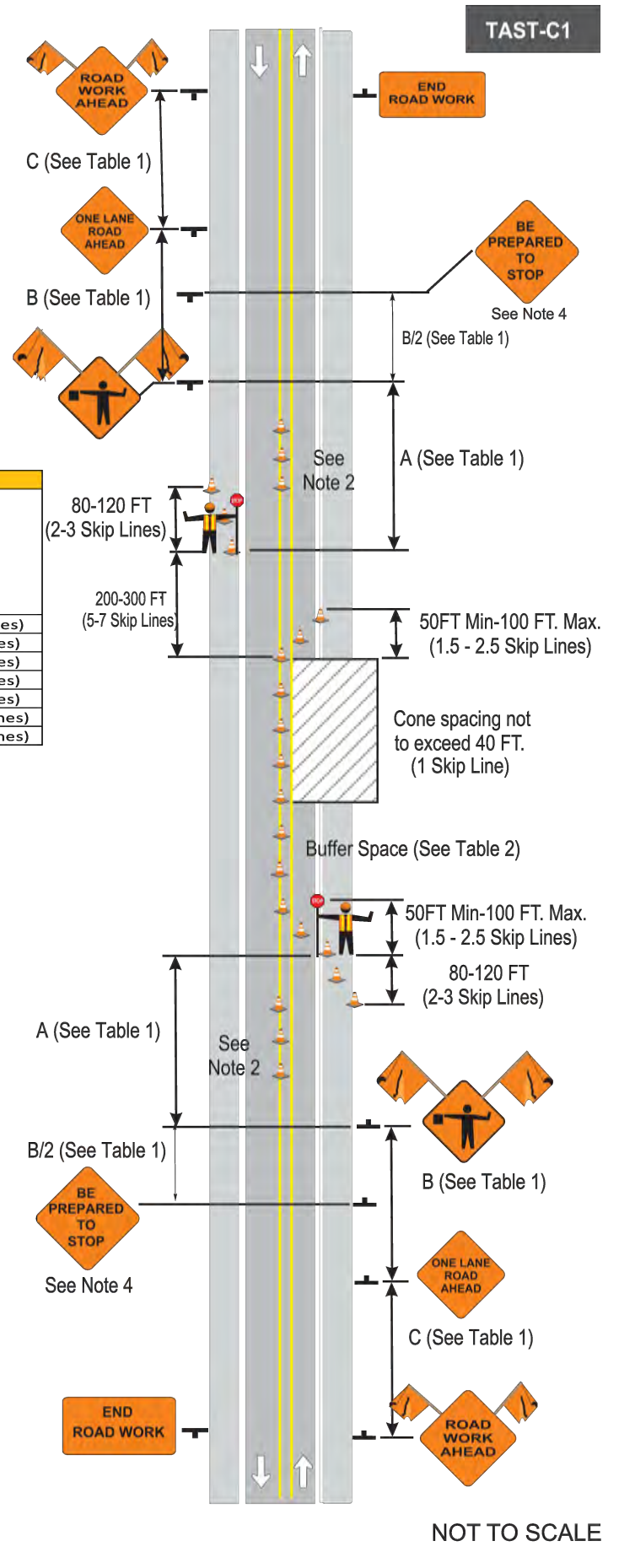
Roadway	PRECONSTRUCTION POSTED SPEED LIMIT (MPH)	DISTANCE BETWEEN SIGNS	
		A (FT.)	B (FT.)
URBAN LOW (30 MPH)	30	100	100
URBAN (35-40 MPH)	35	200	200
URBAN HIGH (40-45 MPH)	40	350	350
RURAL	50	500	500

TABLE 2

PRECONSTRUCTION POSTED SPEED LIMIT (MPH)	CONVENTIONAL HIGHWAY	FREEMWAY/EXPRESSWAY
25	155 (-4 Skip Lines)	200 (-5 Skip Lines)
30	200 (-5 Skip Lines)	250 (-6 Skip Lines)
35	250 (-6 Skip Lines)	305 (-8 Skip Lines)
40	305 (-8 Skip Lines)	360 (-9 Skip Lines)
45	360 (-9 Skip Lines)	425 (-11 Skip Lines)
50	425 (-11 Skip Lines)	495 (-13 Skip Lines)

TABLE 3: REQUIRED SIGN SIZES*

SIGN	CONVENTIONAL HIGHWAY	FREEMWAY/EXPRESSWAY
W20-1	30x36 in.	48x48 in.
W20-4	30x36 in.	48x48 in.
W20-7	30x36 in.	48x48 in.
G20-2	30x18 in.	48x24 in.

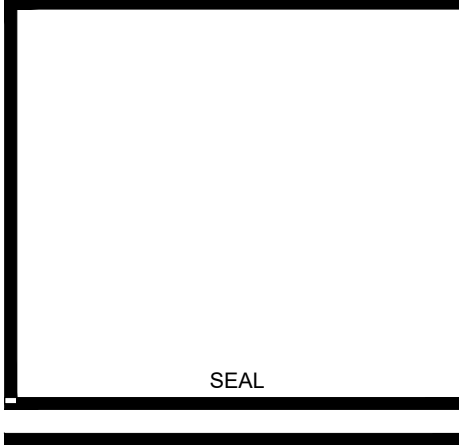


NYS DOT WZTC NOTES:

- WHERE NOT SHOWN IN THE WZTC PLANS OR OTHERWISE AUTHORIZED BY NYS DOT (OR THE ENGINEER), TRAVEL LANE WIDTHS IN WORK ZONES SHALL BE A MINIMUM OF 11 FT ON FREEWAYS, RAMPS, EXPRESSWAYS AND MULTI-LANE CONVENTIONAL ROADWAYS AND 10 FT ON ALL OTHER CONVENTIONAL ROADWAYS.
 - WORK ZONES SHALL BE RESTRICTED TO ONE SIDE OF THE ROADWAY AT A TIME IN EACH DIRECTION ON DIVIDED ROADWAYS, UNLESS APPROVED BY THE ENGINEER.
 - THE CONTRACTOR SHALL SCHEDULE WORK SO THAT ALL TRAVEL LANES AND RAMPS IN EACH DIRECTION ARE OPEN WHEN THE CONTRACTOR'S OPERATIONS ARE CLOSED DOWN OR SUBSTANTIALLY CLOSED DOWN.
 - DAILY CLOSURES MAY OCCUR OFF OF LONG-TERM CLOSURES AND SHALL BE SUBJECT TO DAILY CLOSURE RESTRICTIONS.
 - WORK ZONES SHALL BE RESTRICTED TO ONE SIDE OF THE ROADWAY AT A TIME ON UNDIVIDED HIGHWAYS.
 - WHEN A PEDESTRIAN APPROACHES A FLAGGER STATION, THE FLAGGER SHALL STOP TRAFFIC AND DIRECT THE PEDESTRIAN TO A SAFE ROUTE THROUGH THE WORK AREA. FLAGGERS SHALL COORDINATE THE FLAGGING OF THE WORK ZONE TO ENSURE PEDESTRIANS CAN SAFELY PROCEED THROUGH THE AREA. IF THERE IS MORE THAN THE OCCASIONAL PEDESTRIAN WITHIN THE PROJECT LIMITS, REFER TO THE SITE SPECIFIC PEDESTRIAN WZTC PLAN.
 - DAILY LANE, RAMP AND SHOULDER CLOSURES SHALL NOT BE PERMITTED ON STATE OWNED ROADWAYS DURING MAJOR HOLIDAYS. FOR A LIST OF THE MAJOR HOLIDAYS, SEE SPECIAL NOTE IN THE CONTRACT PROPOSAL FOR TEMPORARY LANE CLOSURE RESTRICTIONS FOR MAJOR HOLIDAYS.
- 2022**
- 6:00 AM THURSDAY, DECEMBER 20, 2021 THRU 6:AM MONDAY, JANUARY 3, 2022 – (NEW YEAR'S HOLIDAY)
- 6:00 AM FRIDAY, MAY 27, 2022 THRU 6:00 AM TUESDAY, MAY 31, 2022 – (MEMORIAL DAY HOLIDAY)
- 6:00 AM FRIDAY, JULY 1, 2022 THRU 6:00 AM TUESDAY, JULY 5, 2022 – (JULY 4TH HOLIDAY)
- 6:00 AM FRIDAY, SEPTEMBER 2, 2022 THRU 6:00 AM TUESDAY, SEPTEMBER 6, 2022 – (LABOR DAY HOLIDAY)
- 6:00 AM WEDNESDAY, NOVEMBER 23, 2022 THRU 6:00 AM MONDAY, NOVEMBER 28, 2022 – (THANKSGIVING HOLIDAY)
- 6:00 AM FRIDAY, DECEMBER 23, 2022 THRU 6:00 AM TUESDAY, DECEMBER 27, 2022 – (CHRISTMAS HOLIDAY)
- 6:00 AM FRIDAY, DECEMBER 30, 2022 THRU 6:00 AM TUESDAY, JANUARY 3, 2022 – (NEW YEAR'S HOLIDAY)
- ALL CHANNELIZING DEVICES SHALL BE PLACED SO AS TO PROVIDE A 2-FOOT LATERAL CLEARANCE TO THE TRAVELED WAY UNLESS OTHERWISE SHOWN ON THE PLANS. WHERE POSSIBLE A LATERAL BUFFER SPACE OF 2-FOOT MINIMUM SHALL BE PROVIDED BETWEEN THE WORK SPACE AND THE CHANNELIZING DEVICES.
 - CHANNELIZING DEVICE SPACING (CENTER TO CENTER) SHALL BE 40' MAXIMUM FOR POSTED SPEED LIMITS 40 MPH OR GREATER AND 20' MAXIMUM FOR POSTED SPEED LIMITS 35 MPH OR LESS.
 - STANDARD CONES AND TUBULAR MARKERS SHALL NOT BE USED FOR CHANNELIZATION AND DELINEATION DURING THE HOURS OF DARKNESS, WHICH IS DEFINED AS THE PERIOD BETWEEN SUNSET AND SUNRISE.
 - ALL CONSTRUCTION SIGN SHALL BE MOUNTED AT A HEIGHT OF 7 FEET ABOVE THE EDGE OF TRAVEL TIME.
 - SIGNS SHALL NOT ENCR OACH MORE THAN 4" INTO SHOULDERS USED BY PEDESTRIANS OR BICYCLES.
 - WHERE SHOULDER WIDTHS ARE LIMITED AND SIGNS CANNOT BE ER ECTED BEYOND THE SHOULDER, CONSTRUCTION SIGNES MAY NEED TO BE MOUNTED ON CONCRETE MEDIAN BARRIERS, BRIDGE PARAPETS, ETC..
 - THE CONTRACTOR'S FAILURE TO COMPLY WITH THE REQUIREMENTS AS STATED ABOVE WILL BE CONSIDERED UNSATISFACTORY TEMPORARY WORK ZONE TRAFFIC CONTROL. PAYMENT WILL BE WITHHELD FOR THE VARIOUS CONTRACT ITEMS WHICH CONTAIN WORK ZONE TRAFFIC CONTROL PROVISIONS IN ACCORDANCE WITH TABLE 619-7 FOR EACH DAY THAT A FAILURE TO COMPLY OCCURS. FAILURE TO COMPLY WILL ALSO RESULT IN THE ASSESSMENT OF LIQUIDATED DAMAGES FOR EACH VIOLATION.
 - THE CONTRACTOR SHALL BE AWARE THAT THE WORK ZONE TRAFFIC CONTROL IS A VERY CRITICAL ITEM OF THE PERMIT AND SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 619 "WORK ZONE TRAFFIC CONTROL" OF THE STANDARD SPECIFICATIONS, THE 2009 EDITION OF THE NATIONAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS AND THE NEW YORK STATE SUPPLEMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR WORK ZONE TRAFFIC CONTROL AT ALL TIMES FOR THE DURATION OF THE PERMITTED WORK.
 - PEDESTRIAN ACCOMMODATIONS SHALL BE MAINTAINED FOR THE DURATION OF THE PROPOSED WORK. ANY DISTURBED AREAS WITHIN THE STATE RIGHT-OF-WAY SHALL BE ADEQUATELY FENCED TO PREVENT PEDESTRIAN ACCESS WHEN THE CONTRACTOR'S OPERATIONS ARE SHUT DOWN.
 - MATERIALS, EQUIPMENT AND VEHICLES SHALL NOT BE STORED OR PARKED WITHIN THE STATE RIGHT-OF-WAY BEFORE WORK BEGINS OR AFTER CONTRACTOR'S OPERATIONS ARE SHUT DOWN. STAGING AREAS OUTSIDE THE RIGHT-OF-WAY SHALL BE USED TO STOCKPILE ALL CONSTRUCTION MATERIALS. DURING WORKING HOURS, NO CONSTRUCTION MATERIAL MAY BE STORED OR PLACED ON THE ROADWAY OR ROADBED EXCEPT WITHIN A PROTECTED WORK AREA.
 - VEHICLES BELONGING TO THE CONTRACTOR OR WORKERS SHALL NOT BE PARKED WITHIN 30 FEET OF THE EDGE OF PAVEMENT ALONG A ROADWAY BEING USED BY THE GENERAL PUBLIC UNLESS THEY ARE PARKED WITHIN A PROTECTED WORK AREA. DURING NON-WORKING HOURS, CONSTRUCTION EQUIPMENT AND MATERIALS SHALL NOT BE STORED WITHIN 30 FEET OF THE EDGE OF PAVEMENT.
 - W20-7A "FLAGGER" SIGNS SHALL BE USED WHENEVER FLAGGING OCCURS FOR MORE THAN A BRIEF PERIOD OF TIME. THE SIGNS SHALL BE PROMPTLY REMOVED, COVERED, OR FACED WAY FROM THE TRAFFIC WHEN THE FLAGGING OPERATION CEASES. ALL FLAGGING STATIONS AND LANE CLOSURES SHOULD BE LOCATED TO ENSURE MAXIMUM VISIBILITY.
 - NO DROP-OFF GREATER THAN SIX INCHES SHALL BE LEFT OVERTNIGHT WITHIN 30 FEET OF THE EDGE OF PAVEMENT. DROP-OFFS LESS THAN SIX INCHES WILL BE PERMITTED IF PROPER DELINEATION AND SIGNING IS PROVIDED, AND PRIOR PERMISSION IS GRANTED IN WRITING BY A REPRESENTATIVE OF THE DEPARTMENT. A DROP-OFF IS CONSIDERED ELIMINATED IF TAPERED AWAY BY A 1 ON 6 SLOPE OR FLATTER.
 - CARE SHALL BE TAKEN TO INSURE THAT NO DAMAGE OCCURS TO THE EXISTING PAVEMENT/SHOULDER/CURB AREAS AS A RESULT OF CONSTRUCTION EQUIPMENT MOVEMENT.
 - THE CONTRACTOR MAY SUBMIT REVISIONS TO THIS PLAN FOR APPROVAL, BUT ANY CHANGE THAT ALTERS THE BASIC CONCEPTS OF THE PLAN MUST BE APPROVED BY THE NYS DOT REGIONAL DIRECTOR OR HIS DESIGNEE.

Rev.	Date	Description
8.	12/14/22	Site Plan Revisions
7.	11/28/22	Updated Sign/Utility Locations
6.	10/26/22	Per Town Comments
5.	06/16/22	Per NYSDOT Comments
4.	05/23/22	Revised Landscaping Plan
3.	05/03/22	Per NYSDOT Comments
2.	03/21/22	Preliminary Site Plan Submission
1.	07/29/21	Added Southern Fenceline

It is a Violation Of The New York Education Law, Article 145 Section 7209, For Any Person, Unless He 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 Seal And The Notation "Altered By" Followed By His Signature And The Date Of Such Alteration, And A Specific Description Of The Alteration.



PROPOSED DANDY MINI-MART

LANSGING (T), TOMPKINS (Co.), NEW YORK

FAGAN ENGINEERS & LAND SURVEYORS PC

113 East Chemung Place
 Elmira N.Y. 14904
 Phone (607) 734-2165
 Fax (607) 734-2169
 www.FaganEngineers.com

Scale:	As Noted
Date:	November 30, 2020
Design By:	JBG, RSN
Drawn By:	RSN
Checked By:	JBG
Project No.:	2020.062
Drawing Name:	20062.dwg

NYS DOT DETAILS

FINAL PRINT

Copyright © 2020 Fagan Engineers

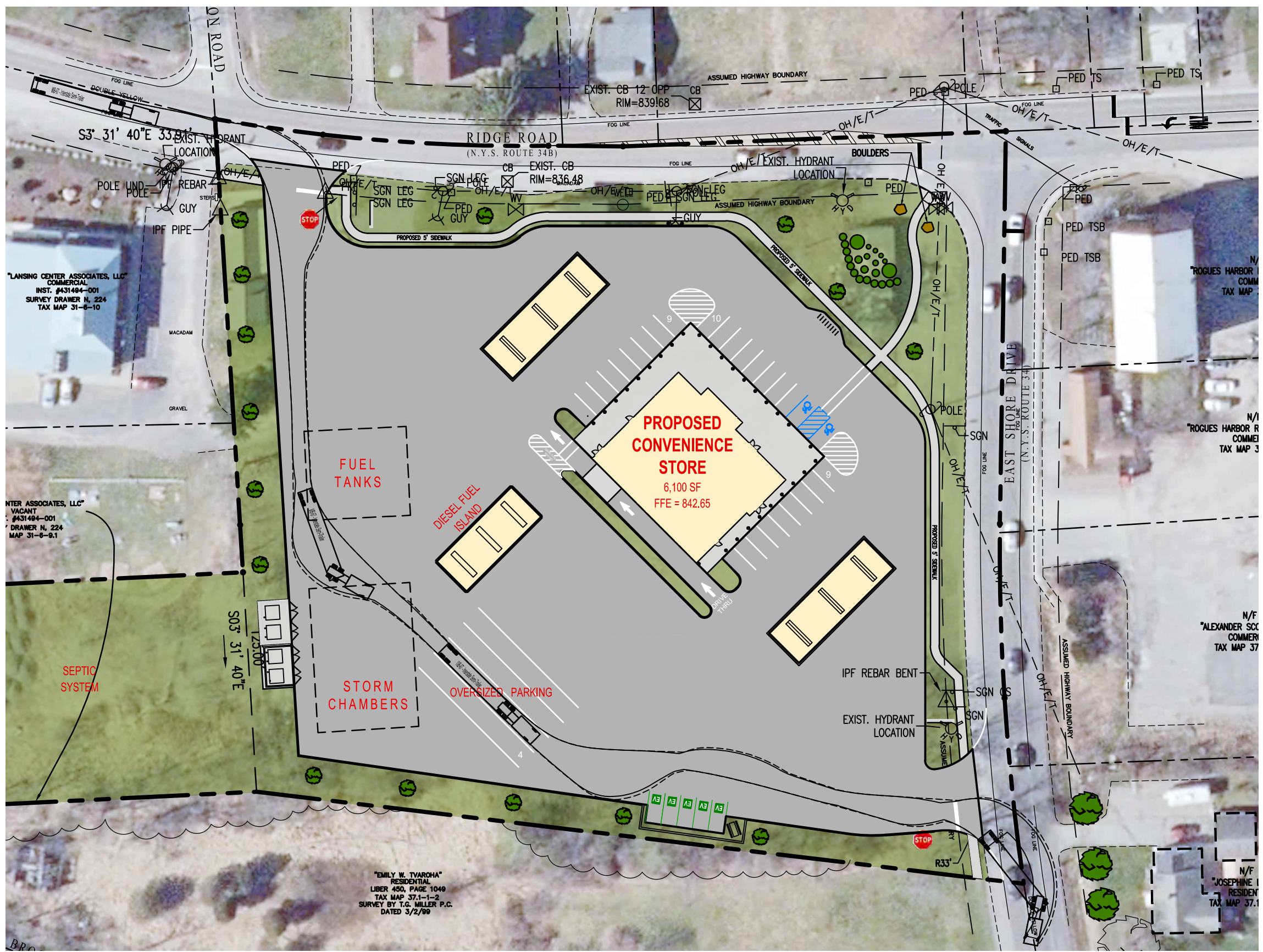
C19



TRUCK PATH FOR FUEL AND PARKING FROM EAST ENTRANCE
NTS.



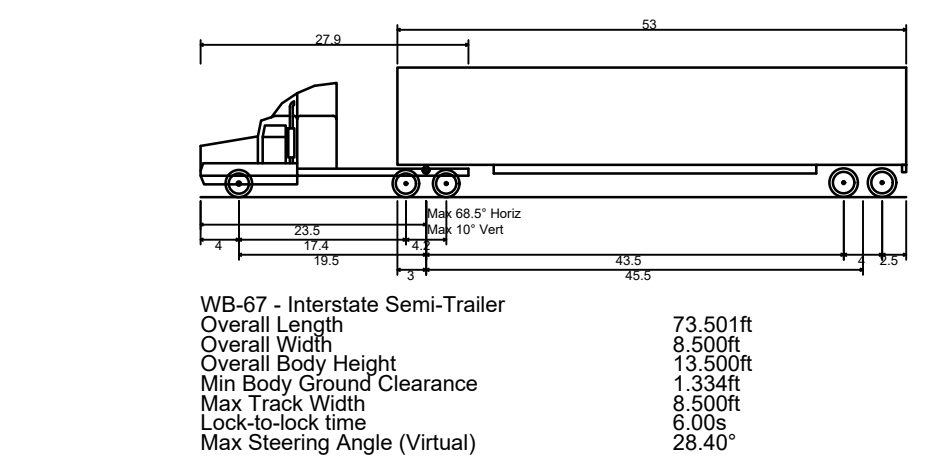
TRUCK PATH FOR FUEL FROM WEST ENTRANCE
NTS.



TRUCK PATH FOR PARKING FROM WEST ENTRANCE
NTS.

LEGEND

- PROPERTY LINE
- EXISTING EASEMENT
- EXISTING EDGE OF ROADWAY
- EXISTING CURB LINE
- SW --- EXISTING SANITARY SEWER
- C --- EXISTING GAS MAIN
- UG/E/T/C --- EXISTING UTILITY LINE
- X --- EXISTING FENCE LINE
- W --- EXISTING WATER LINE
- 932 --- EXISTING CONTOUR LINE
- LOD --- PROPOSED LIMIT OF DISTURBANCE
- BR --- PROPOSED CONTOUR LINE
- --- PROPOSED EASEMENT
- ST --- PROPOSED STORM SEWER
- --- PROPOSED EDGE OF ROADWAY
- --- PROPOSED CURB LINE
- SW --- PROPOSED SANITARY SEWER
- C --- PROPOSED GAS LINE
- UG/E/T/C --- PROPOSED UTILITY LINE
- W --- PROPOSED WATER LINE
- SF --- PROPOSED SILT FENCE
- CS --- PROPOSED COMPOST SOCK
- SMH --- EXISTING SANITARY MANHOLE
- FH --- EXISTING FIRE HYDRANT ASSEMBLY
- CO --- EXISTING CLEANOUT
- 99.50 x --- EXISTING SPOT ELEVATION
- SWH --- PROPOSED SANITARY MANHOLE
- W --- PROPOSED WATER VALVE
- TB --- PROPOSED THRUST BLOCK
- FH --- PROPOSED FIRE HYDRANT ASSEMBLY
- CO --- PROPOSED CLEANOUT
- L --- PROPOSED LIGHTING FIXTURE
- X 98.42 --- PROPOSED SPOT ELEVATION
- DW --- PROPOSED DRYWELL
- CB --- PROPOSED CATCH BASIN
- IP --- PROPOSED INLET PROTECTION
- B 100.00 --- PROPOSED TOP/BOTTOM CURB



TRUCK PROFILE
SCALE: 1"=20'

WB-67 - Interstate Semi-Trailer	73.501ft
Overall Length	8.500ft
Overall Body Height	13.500ft
Min Body Ground Clearance	1.334ft
Max Track Width	8.500ft
Lock-to-lock time	6.00s
Max Steering Angle (Virtual)	28.40°

Note:
Utility information has been plotted from available sources and their locations and size should be considered approximate only. The contractor is responsible for determining exact utility locations, sizes, and elevations prior to commencing construction. If uncharted or misplotted utilities are encountered, the contractor is required to notify the owner immediately.

New York State law requires excavators to contact the one-call notification system prior to digging to prevent damage to buried facilities.
IT'S THE LAW!
Call three days before you dig!
1-800-962-7962
Dig Safely New York
(non-members must be contacted separately)

Rev.	Date	Revision Description
8.	12/14/22	Site Plan Revisions
7.	11/28/22	Updated Sign/Utility Locations
6.	10/26/22	Per Town Comments
5.	06/16/22	Per NYSDOT Comments
4.	05/23/22	Revised Landscaping Plan
3.	05/03/22	Per NYSDOT Comments
2.	03/21/22	Preliminary Site Plan Submission
1.	07/29/21	Added Southern Fenceline

It is a Violation Of The New York Education Law, Article 145 Section 7209, For Any Person, Unless He 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 Seal And The Notation "Altered By" Followed By His Signature And The Date Of Such Alteration, And A Specific Description Of The Alteration.

SEAL

PROPOSED DANDY MINI-MART
LANSGING (T), TOMPKINS (Co.), NEW YORK

FAGAN ENGINEERS
S & LAND SURVEYORS PC
113 East Chemung Place
Elmira N.Y. 14904
Phone (607) 734-2165
Fax (607) 734-2169
www.FaganEngineers.com

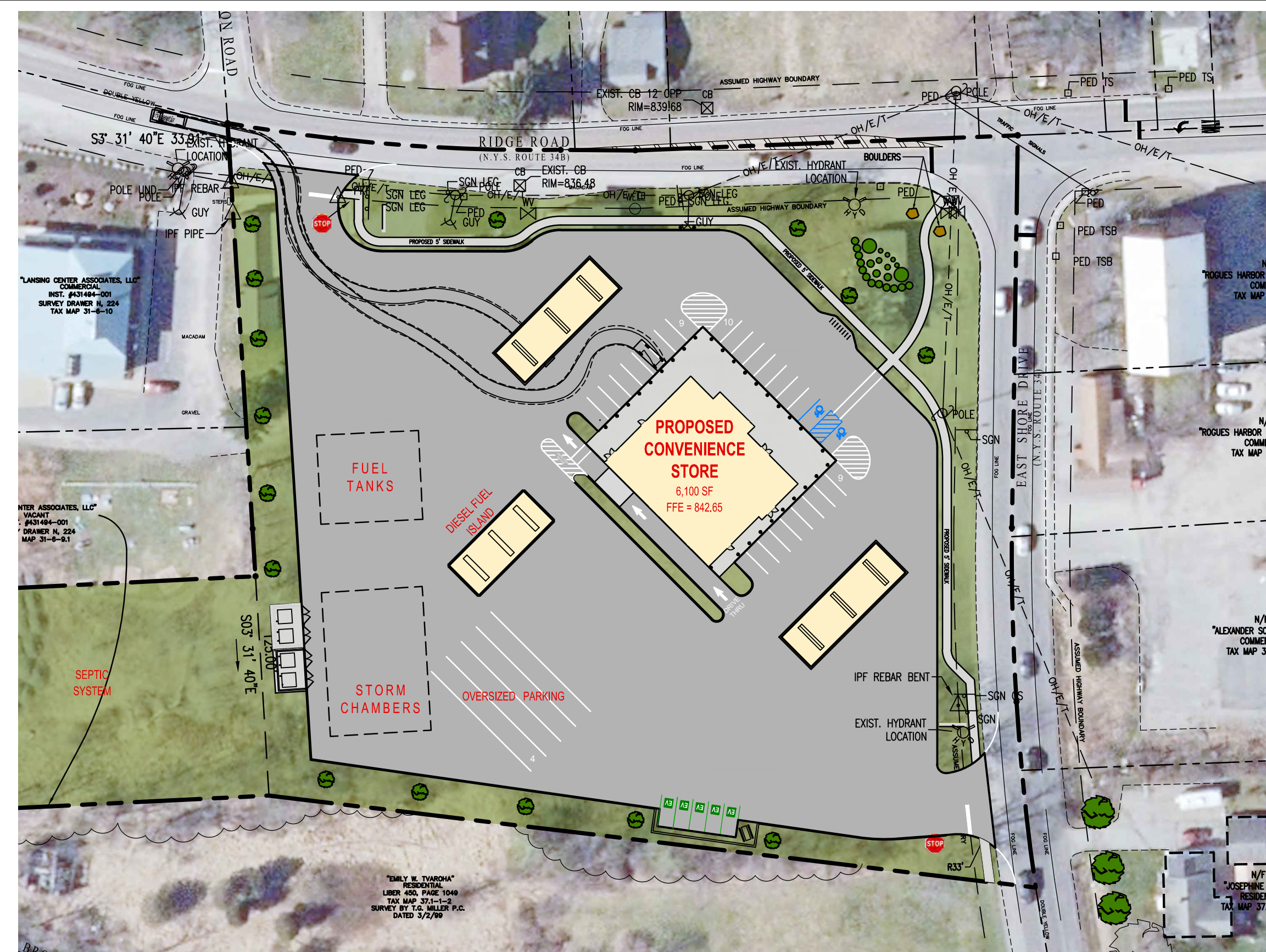
Scale:	1" = 60'
Date:	November 30, 2020
Design By:	JBG, RSN
Drawn By:	RSN
Checked By:	JBG
Project No.:	2020.062
Drawing Name:	20062.dwg

TRUCK TURN
C20

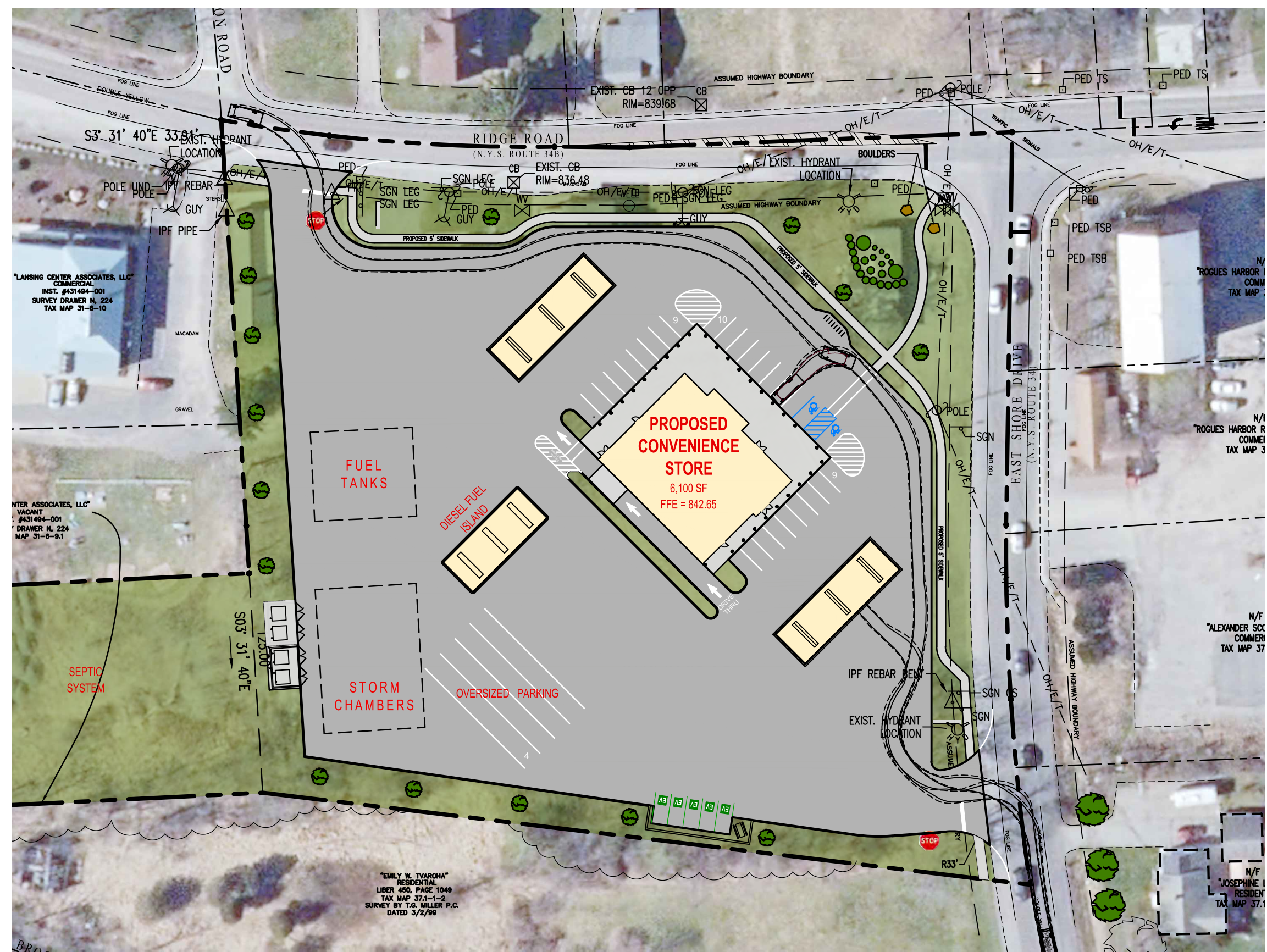
FINAL PRINT
Copyright © 2020 Fagan Engineers



PASSENGER CAR PATH FOR DRIVE-THRU FROM WEST ENTRANCE
NTS.



PASSENGER CAR PATH FOR FUEL AND PARKING FROM WEST ENTRANCE
NTS.



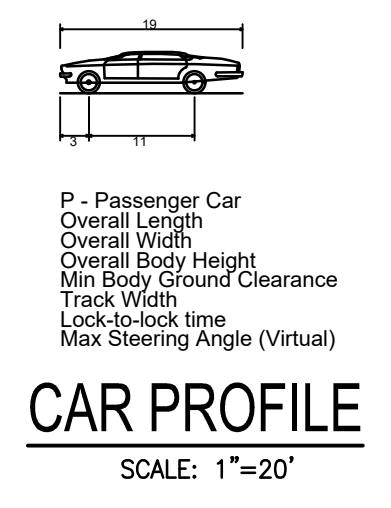
PASSENGER CAR PATH FOR FUEL AND PARKING FROM EAST ENTRANCE
NTS.



PASSENGER CAR PATH FOR DRIVE-THRU FROM EAST ENTRANCE
NTS.

LEGEND

---	PROPERTY LINE		
---	EXISTING EASEMENT		
---	EXISTING EDGE OF ROADWAY		
---	EXISTING CURB LINE		
---	EXISTING SANITARY SEWER		
---	EXISTING GAS MAIN		
---	EXISTING UTILITY LINE		
---	EXISTING FENCE LINE		
---	EXISTING WATER LINE		
---	EXISTING CONTOUR LINE		
---	PROPOSED LIMIT OF DISTURBANCE		
---	PROPOSED CONTOUR LINE		
---	PROPOSED EASEMENT		
---	PROPOSED STORM SEWER		
---	PROPOSED EDGE OF ROADWAY		
---	PROPOSED CURB LINE		
---	PROPOSED SANITARY SEWER		
---	PROPOSED GAS LINE		
---	PROPOSED UTILITY LINE		
---	PROPOSED WATER LINE		
---	PROPOSED SILT FENCE		
---	PROPOSED COMPOST SOCK		
---	EXISTING SANITARY MANHOLE		
---	EXISTING FIRE HYDRANT ASSEMBLY		
---	EXISTING CLEANOUT		
---	EXISTING SPOT ELEVATION		
---	PROPOSED SANITARY MANHOLE		
---	PROPOSED WATER VALVE		
---	PROPOSED THRUST BLOCK		
---	PROPOSED FIRE HYDRANT ASSEMBLY		
---	PROPOSED CLEANOUT		
---	PROPOSED LIGHTING FIXTURE		
---	PROPOSED SPOT ELEVATION		
---	PROPOSED DRYWELL		
---	PROPOSED CATCH BASIN		
---	PROPOSED INLET PROTECTION		
---	PROPOSED TOP/BOTTOM CURB		



Note:
Utility information has been plotted from available sources and their locations and size should be considered approximate only. The contractor is responsible for determining exact utility locations, sizes, and elevations prior to commencing construction. If uncharted or misplotted utilities are encountered, the contractor is required to notify the owner immediately.

New York State law requires excavators to contact the one-call notification system prior to digging to prevent damage to buried facilities.

IT'S THE LAW!
Call three days before you dig!
1-800-962-7962
Dig Safely New York
(non-members must be contacted separately)

Rev.	Date	Revision Description
8.	12/14/22	Site Plan Revisions
7.	11/28/22	Updated Sign/Utility Locations
6.	10/26/22	Per Town Comments
5.	06/16/22	Per NYSDOT Comments
4.	05/23/22	Revised Landscaping Plan
3.	05/03/22	Per NYSDOT Comments
2.	03/21/22	Preliminary Site Plan Submission
1.	07/29/21	Added Southern Fence Line

It is a Violation Of The New York Education Law, Article 145 Section 7209, For Any Person, Unless He 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 Seal And The Notation "Altered By" Followed By His Signature And The Date Of Such Alteration, And A Specific Description Of The Alteration.

SEAL

PROPOSED DANDY MINI-MART
LANSGING (T), TOMPKINS (Co.), NEW YORK

FAGAN ENGINEERS
& LAND SURVEYORS PC

113 East Chemung Place
Elmira N.Y. 14904
Phone (607) 734-2165
Fax (607) 734-2169
www.FaganEngineers.com

Scale: 1" = 60'
11x17 Prints are 1/2 Size

Date:	November 30, 2020
Design By:	JBG, RSN
Drawn By:	RSN
Checked By:	JBG
Project No.:	2020.062
Drawing Name:	20062.dwg

PASSENGER CAR TURN
C21

FINAL PRINT
Copyright © 2020 Fagan Engineers