

TOWN OF NEWBURGH PLANNING BOARD TECHNICAL REVIEW COMMENTS

PROJECT NAME: MATRIX 1-84 DISTRIBUTION CENTER- SITE PLAN

PROJECT NO.: 22-29

PROJECT LOCATION: SECTION 86, BLOCK 1, LOT 97/ ROUTE 17K

SECTION 89, BLOCK 1, LOTS 66 & 69.11

REVIEW DATE: 15 SEPTEMBER 2023
MEETING DATE: 21 SEPTEMBER 2023
PROJECT REPRESENTATIVE: LANGAN ENGINEERING

- This office has completed a detailed review of the SWPPP submitted for the project. During this
 review it is noted that Detention Pond A, outlet control structure has been modified and a
 revised Stormwater Model has been recently submitted to this office.
- 2. The utilities for stormwater within NYS Route 17K were requested to be evaluated with regard to passing the point discharges from the Stormwater Management System. This office is awaiting that information.
- 3. Detailed Technical Comments as follows:
 - A. Page 3, small note 3 under Table 2-2 identifies the surrounding soil groups as Type B. This should be revised as all soil types are identified as C Soil Types.
 - B. The project requests a 5 Acre Waiver. This request has been submitted to the Town Board for necessary action. Erosion and Sediment Control notes on Sheet SC-002 8D identifies the requirements for the 5 Acre Waiver. We recommend a similar note be placed in larger font type on the Drainage and Erosion, Sediment Control Plans.
 - C. Information pertaining to the permeability testing for the underground infiltration systems should be documented. Greater than 5 inches per hour permeability is identified in the Infiltration Worksheets. Documentation of the Infiltration Testing should be identified.
 - D. All stormwater features which are to contain permanent water bodies should be fenced in compliance with Town Code. Consideration of fencing areas which contain standing water during storm events should also be undertaken. Typical stormwater pond fence in the Town of Newburgh consists of split rail fence with black welded wire mesh.
 - E. Slight discrepancy was identified in Pond Bio10 device 1 model depicts 530.5 while plan depicts 530.43.
 - F. Detention Pond B; the primary 30 inch outlet pipe has a slope identified at 2.3% in model while the plan depicts the slope at 1.15%.

- G. Catch Basin 6 in vicinity of this pond has a rim elevation of 475, while headwater outflow from the detention pond has a headwater depth of 475.06.
- H. A Stormwater Facilities Maintenance Agreement will be required for the site. This must be filed with the county to assure long term operation and maintenance of the Stormwater Facilities.

Respectfully submitted,

MHE Engineering, D.P.C.

Patrit of Offenses

Patrick J. Hines

Principal PJH/kbw

Full Environmental Assessment Form Part 1 - Project and Setting

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: Matrix I-84 Distribution Center			
Project Location (describe, and attach a general location map):			
The site is located on Route 17K in the Town of Newburgh. It is located 0.75 miles east of the	e intersection of I-84. S/B/L: 89-1-6	6; 89-1-69.11; 86-1-97	
Brief Description of Proposed Action (include purpose or need):			
The proposed development is a +/- 595,900-square foot warehouse that meets the requirements of the zoning code. The proposed action will also include associated loading and parking spaces, utilities, and stormwater management practices. Access to the project site will be from Route 17K. Additional detail is included in the project narrative.			
N	lm t		
Name of Applicant/Sponsor:	Telephone: 732-521-2900 E-Mail: kgriffin@matrixcompanies.com		
Matrix Newburgh Route 17K Development, LLC			
Address: 3 Center Drive	12		
City/PO: Monroe Township	State: New Jersey	Zip Code: 08831	
Project Contact (if not same as sponsor; give name and title/role):	Telephone: 914-323-7410	•	
W. Charles Utschig Jr., Senior Associate	E-Mail: cutschig@langan.com		
Address: 1 North Broadway			
City/PO: White Plains	State: New York	Zip Code: 10601	
Property Owner (if not same as sponsor): * See note at bottom of page	Telephone:		
Manheim Remarketing, Inc.	E-Mail:		
Address: 6205 Peachtree Dunwoody Road			
City/PO: Atlanta	State: GA	Zip Code: ₃₀₃₂₈	

^{*} The applicant is the owner of S/B/L: 89-1-66. Manheim Remarking, Inc. is the current owner of S/B/L: 89-1-69.11 and 86-1-97.

* See note at bottom of page for B. Government Approvals additional approvals/permits

B. Government Approvals, assistance.)	Funding, or Spor	isorship. ("Funding" includes grants, loans, to	ax relief, and any othe	r forms of financial
Government En	itity	If Yes: Identify Agency and Approval(s) Required	Applicati (Actual or	
a. City Counsel, Town Board, or Village Board of Trustee				
b. City, Town or Village Planning Board or Commis	✓Yes□No sion	Town of Newburgh Planning Board - Site Plan Approval, SEQR Determination	Projected date: July 202	23
c. City, Town or Village Zoning Board of A	□Yes ☑ No ppeals			
d. Other local agencies	✓Yes□No	Town Engineer and Health Department - Water Main Approval	Projected date:July 202	3
e. County agencies	∠ Yes N o	Orange County Dept of Planning- Site Plan Review Department of Health - Water Connection	Projected date: July 202	3
f. Regional agencies	□Yes Z No			
g. State agencies	∠ Yes □No	NYSDOT - Highway Work Permit, NYSDEC - SPDES	Projected date:July 202	3
h. Federal agencies	✓Yes□No	FAA Notice of Construction/Hazard to Air Nav. Determination	Projected date:July 202	3
i. Coastal Resources.i. Is the project site within	a Coastal Area, o	r the waterfront area of a Designated Inland W	aterway?	□Yes Z No
ii. Is the project site located iii. Is the project site within	d in a community a Coastal Erosion	with an approved Local Waterfront Revitaliza Hazard Area?	tion Program?	☐ Yes ✓ No ☐ Yes ✓ No
C. Planning and Zoning				
C.1. Planning and zoning ac				
only approval(s) which must l • If Yes, complete sect	be granted to enab ions C, F and G.	mendment of a plan, local law, ordinance, rule the proposed action to proceed? aplete all remaining sections and questions in I	J	∐Yes Z No
C.2. Adopted land use plans.				
a. Do any municipally- adopte where the proposed action v		age or county) comprehensive land use plan(s)) include the site	✓Yes□No
		cific recommendations for the site where the p	proposed action	□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?) If Yes, identify the plan(s): Priority Growth Area as identified in the Orange County, New York Comprehensive Plan				
-				
c. Is the proposed action locat or an adopted municipal far If Yes, identify the plan(s):		ally within an area listed in an adopted munici plan?	pal open space plan,	□Yes ☑ No

tional City, Town or Village Planning Board or Commission Approvals Jired: Architectural Review Board Approval, NYSDEC 5-acre Jrbance Waiver, Clearing and Grading Permit, City of Newburgh Sewer Tection & Approval of Developers Agreement

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C.3. Zoning
a. Is the site of the proposed action located in a municipality with an adopted zoning law or ordinance. If Yes, what is the zoning classification(s) including any applicable overlay district? IB - Interchange Business District; Stewart Airport Overlay District ✓ Yes □ No
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? If Yes, i. What is the proposed new zoning for the site? □ Yes ☑ No
C.4. Existing community services.
a. In what school district is the project site located? Valley Central School District
b. What police or other public protection forces serve the project site? Town of Newburgh Police Department
c. Which fire protection and emergency medical services serve the project site? Orange Lake Fire District; Town of Newburgh Emergency Medical Services
d. What parks serve the project site? Stewart State Forest (2 miles west), Algonquin Park (2.3 miles east), Cronomer Hill Park (2.7 miles east), San Giacomo Park (3.7 miles south east)
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)? Industrial - Warehouse building
b. a. Total acreage of the site of the proposed action? b. Total acreage to be physically disturbed? c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? ±62 ±44 acres ±62 ±42 acres
c. Is the proposed action an expansion of an existing project or use? 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:
square feet)? % Units: d. Is the proposed action a subdivision, or does it include a subdivision? ZYes \[\subsetention \]
If Yes, i. Purpose or type of subdivision? (e.g., residential, industrial, commercial; if mixed, specify types)
Industrial subdivision/lot merge ii. Is a cluster/conservation layout proposed? iii. Number of lots proposed? iv. Minimum and maximum proposed lot sizes? Minimum Maximum
e. Will the proposed action be constructed in multiple phases? i. If No, anticipated period of construction: ii. If Yes: Total number of phases anticipated Anticipated commencement date of phase I (including demolition) Anticipated completion date of final phase Generally describe connections or relationships among phases, including any contingencies where progress of one phase may determine timing or duration of future phases:

^{*} A 5 acre waiver will be requested for this project

	ct include new resid				☐ Yes ✓ No
If Yes, show num	nbers of units propo One Family	sed. <u>Two Family</u>	Thurs Family	Multiple Family (fam. a	
	One ranniy	1 wo raininy	Three Family	Multiple Family (four or more)	
Initial Phase	-				
At completion of all phases					
or an phases	-		1		
If Yes,			al construction (inclu	ading expansions)?	∠ Yes No
i. Total number	r of structures	ropogod structure	<40 feet heights		
<i>iii</i> . Approximate	extent of building	space to be heated	or cooled:	595,900 square feet	
				l result in the impoundment of any	✓ Yes □ No
				agoon or other storage?	1 63 1140
If Yes,		11 27	, ,	200	
				basins will temporarily impound water during	
	oundment, the princ	cipal source of the	water:	☐ Ground water ☐ Surface water stream	ns Other specify:
Drainage from site	water identify the tr	ma of immounded	contained liquids and	d 4L - 1	
N/A	water, identity the ty	ype or impounded,	comamed figures and	u their source.	
iv. Approximate	size of the propose	d impoundment.	Volume:	TBD million gallons; surface area:	TBD acres
v. Dimensions of	of the proposed dam	or impounding st	ructure: N/	A height;N/A length	
	method/materials f	for the proposed da	am or impounding str	ructure (e.g., earth fill, rock, wood, cond	crete):
earth fill					
D.2. Project Op	erations				
a. Does the propo	osed action include a	any excavation, m	ining, or dredging, d	uring construction, operations, or both?	☐Yes ✓ No
materials will i	general site prepara	ition, grading or ii	istallation of utilities	or foundations where all excavated	
If Yes:	omain onsite)				
	irpose of the excava	ation or dredging?			
				o be removed from the site?	(1
 Volume 	(specify tons or cul	bic yards):			
 Over wh 	nat duration of time!	?			
iii. Describe natu	re and characteristic	es of materials to b	oe excavated or dredg	ged, and plans to use, manage or dispose	e of them.
=					
iv. Will there be	onsite dewatering	or processing of ex	xcavated materials?		☐ Yes ☐ No
-					
v. What is the to	tal area to be dredg	ed or excavated?		acres	
vi. What is the m	aximum area to be	worked at any one	e time?	acres	
	oe the maximum dej avation require blast		or dredging?	feet	
					☐Yes ☐No
ix. Buillinui Ze sit	e reclamation goals	and plan.			
b. Would the proj	posed action cause of	or result in alterati	on of, increase or de	crease in size of, or encroachment	☐ Yes ✓ No
into any existi			ach or adjacent area?		
If Yes:	.1 1	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4			
				vater index number, wetland map numb	er 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 acres:		
iii. Will the proposed action cause or result in disturbance to bottom sediments? If Yes, describe:	□Yes □No	
iv. Will the proposed action cause or result in the destruction or removal of aquatic vegetation? If Yes:	☐ Yes ☐ No	
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?	Z Yes □No	
If Yes:		
i. Total anticipated water usage/demand per day: 9,000 gallons/dayii. Will the proposed action obtain water from an existing public water supply?		
If Yes:	✓ Yes □No	
Name of district or service area: Town of Newburgh consolidated water district		
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? If Yes:	☐Yes Z No	
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? If, Yes:	☐ Yes Z No	
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:		
d. Will the proposed action generate liquid wastes?	✓ Yes □No	
If Yes:		
 i. Total anticipated liquid waste generation per day:	Il components and	
approximate volumes or proportions of each):		
Sanitary Wastewater		
iii. Will the proposed action use any existing public wastewater treatment facilities? If Yes:	∠ Yes □ No	
 Name of wastewater treatment plant to be used: <u>City of Newburgh - Renwick Street wastewater treatment</u> 		
 Name of district: Town of Newburgh Sewer District (Crossroads Sewer District in the Joint Sewer District Co 		
Does the existing wastewater treatment plant have capacity to serve the project? Let the existing wastewater treatment plant have capacity to serve the project?	✓ Yes □No	
 Is the project site in the existing district? Is expansion of the district needed? 	✓ Yes □No □ Yes ✓No	
-		

 Do existing sewer lines serve the project site? 	∠ Yes □ No
 Will a line extension within an existing district be necessary to serve the project? 	□Yes ☑ No
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?If Yes:	□Yes Z No
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 specireceiving water (name and classification if surface discharge or describe subsurface disposal plans):	ifying proposed
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	Z Yes □ No
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? If Yes:	
i. How much impervious surface will the project create in relation to total size of project parcel?	
Square feet or 26# acres (impervious surface)	
Square feet of square feet of acres (parcel size)	
ii. Describe types of new point sources. Conveyance pipes	
iii. Where will the stormwater runoff be directed (i.e. on-site stormwater management facility/structures, adjacent pr	roperties,
groundwater, on-site surface water or off-site surface waters)?	,
On-site stormwater runoff will be treated for water quality and detained by various stormwater management basins and features, include tention chambers. Stormwater discharge will be directed to match existing watersheds and flow patterns.	ding underground
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	∠ Yes □ No
combustion, waste incineration, or other processes or operations?	
If Yes, identify:	
i. Mobile sources during project operations (e.g., heavy equipment, fleet or delivery vehicles)	
ruck fleet	
 ii. Stationary sources during construction (e.g., power generation, structural heating, batch plant, crushers) Generators, concrete batch plants, soil screener and heavy construction equipment 	
iii. Stationary sources during operations (e.g., process emissions, large boilers, electric generation)	
Rooftop HVAC units, generators	
g. Will any air emission sources named in D.2.f (above), require a NY State Air Registration, Air Facility Permit,	□Yes ☑ No
or Federal Clean Air Act Title IV or Title V Permit?	
If Yes:	
i. Is the project site located in an Air quality non-attainment area? (Area routinely or periodically fails to meet	□Yes ☑ No
ambient air quality standards for all or some parts of the year)	
ii. In addition to emissions as calculated in the application, the project will generate:	
•Tons/year (short tons) of Carbon Dioxide (CO ₂)	TE.
•Tons/year (short tons) of Nitrous Oxide (N ₂ O)	
•Tons/year (short tons) of Perfluorocarbons (PFCs)	
•Tons/year (short tons) of Sulfur Hexafluoride (SF ₆)	
Tons/year (short tons) of Carbon Dioxide equivalent of Hydroflourocarbons (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)? If Yes:	Yes ☑ No
 i. Estimate methane generation in tons/year (metric):	rate heat or
 i. Will the proposed action result in the release of air pollutants from open-air operations or processes, such as quarry or landfill operations? If Yes: Describe operations and nature of emissions (e.g., diesel exhaust, rock particulates/dust): 	Yes No
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? If Yes: i. When is the peak traffic expected (Check all that apply): Morning Evening Weekend Randomly between hours of to	¶Yes∏No
 iv. Does the proposed action include any shared use parking? v. If the proposed action includes any modification of existing roads, creation of new roads or change in existing access to the route will be provided from NYS route 17K. Modifications to NYS Route 17K will be required to allow for access into the sit vi. Are public/private transportation service(s) or facilities available within ½ mile of the proposed site? vii Will the proposed action include access to public transportation or accommodations for use of hybrid, electric or other alternative fueled vehicles? 	Yes No Yes No Yes No Yes No
for energy? If Yes: i. Estimate annual electricity demand during operation of the proposed action: 450 KW ii. Anticipated sources/suppliers of electricity for the project (e.g., on-site combustion, on-site renewable, via grid/loca other): Grid/ local utility (Central Hudson Gas and Electric - Coldenham substation)	Yes No l utility, or Yes No
I. Hours of operation. Answer all items which apply. ii. During Operations: • Monday - Friday: 7 am to 7 pm • Monday - Friday: 24 hours • Saturday: 7 am to 7 pm • Saturday: 24 hours • Sunday: Will comply with local regulations • Sunday: 24 hours • Holidays: Will comply with local regulations • Holidays: 24 hours	

 m. Will the proposed action produce noise that will exceed existing ambient noise levels during construction, operation, or both? If yes: i. Provide details including sources, time of day and duration: 	□ Yes ☑ No
 ii. Will the proposed action remove existing natural barriers that could act as a noise barrier or screen? 	☐ Yes ☑ No
n. Will the proposed action have outdoor lighting? If yes: i. Describe source(s), location(s), height of fixture(s), direction/aim, and proximity to nearest occupied structures: Full cut-off lighting will be installed to provide light along driveways, walkways and parking areas to ensure clear and safe circulation adverse impacts on surrounding areas. The lighting plan will be submitted with future submissions and will include standard polemic ii. Will proposed action remove existing natural barriers that could act as a light barrier or screen?	Yes No on, while avoiding ount and wall fixtures. Yes No
o. Does the proposed action have the potential to produce odors for more than one hour per day? If Yes, describe possible sources, potential frequency and duration of odor emissions, and proximity to nearest occupied structures:	☐ Yes ☑ No
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? If Yes: i. Product(s) to be stored ii. Volume(s) per unit time (e.g., month, year) iii. Generally, describe the proposed storage facilities:	☐ Yes ☑ No
q. Will the proposed action (commercial, industrial and recreational projects only) use pesticides (i.e., herbicides, insecticides) during construction or operation? If Yes: i. Describe proposed treatment(s):	☐ Yes ☑No
ii. Will the proposed action use Integrated Pest Management Practices?	☐ Yes ☑No
r. Will the proposed action (commercial or industrial projects only) involve or require the management or disposal of solid waste (excluding hazardous materials)? If Yes: i. Describe any solid waste(s) to be generated during construction or operation of the facility: • Construction: Approximately 125 tons per N/A (unit of time) • Operation: Approximately 90 tons per year (unit of time) iii. Describe any proposals for on-site minimization, recycling or reuse of materials to avoid disposal as solid waste: • Construction: On-site recycling will be provided and privately hauled to a recycling facility. iii. Proposed disposal methods/facilities for solid waste generated on-site: • Construction: Solid waste will be handled by a private contractor.	Yes No
Operation: Solid waste will be handled by a private contractor. Operation: Solid waste will be handled by a private contractor.	

s. Does the proposed action include construction or mod	ification of a solid waste mana	agement facility?	☐ Yes 🗹 No
If Yes:			
i. Type of management or handling of waste proposed for the site (e.g., recycling or transfer station, composting, landfill, or other disposal activities):			
ii. Anticipated rate of disposal/processing:			
• Tons/month, if transfer or other non-		, or	
• Tons/hour, if combustion or thermal	treatment		
iii. If landfill, anticipated site life:			
t. Will the proposed action at the site involve the comme	ercial generation, treatment, sto	orage, or disposal of hazard	ous 🗌 Yes 🗹 No
waste? If Yes:			
<i>i.</i> Name(s) of all hazardous wastes or constituents to be	e generated, handled or manag	ed at facility	
		,	
ii. Generally describe processes or activities involving	hazardous wastes or constituer	its:	
iii. Specify amount to be handled or generatedt			
iv. Describe any proposals for on-site minimization, rec	cycling or reuse of hazardous of	constituents:	
v. Will any hazardous wastes be disposed at an existing	g offsite hazardous waste facil	ity?	☐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 hazardone wagte facilit	
	wastes which will not be sent	to a mazardous waste facilit	.y.
E. Site and Setting of Proposed Action			
E. Site and Setting of Froposed 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 ☐ Urban ☑ Industrial ☑ Commercial ☑ Resid	project site. dential (suburban)	(10 0 10 Forms)	
	r (specify): Stewart International		Base
ii. If mix of uses, generally describe:	•		
The general mix of uses is characterized by uses associated with scattered residential uses.	a transportation corridor including	g transportation, industrial and	commercial uses, with
Scattered residential dises.			
b. Land uses and covertypes on the project site.			
Land use or	Current	Acreage After	Change
Covertype	Acreage	Project Completion	(Acres +/-)
 Roads, buildings, and other paved or impervious surfaces 	0.55	±26	+25.45
• Forested	39.25	±13.15	-26.1
Meadows, grasslands or brushlands (non-			
agricultural, including abandoned agricultural)	17.0	±17.65	+0.65
Agricultural	0	0	0
(includes active orchards, field, greenhouse etc.)			
• Surface water features (lakes, ponds, streams, rivers, etc.)	0	0	0
Wetlands (freshwater or tidal)	5.2	E 0	0
Non-vegetated (bare rock, earth or fill)		5.2	
	0	0	0
• Other Describe:			
Describe.			

c. Is the project site presently used by members of the community for public recreation? i. If Yes: explain:	□Yes☑No
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:	
e. Does the project site contain an existing dam?	☐ Yes No
If Yes:	
i. Dimensions of the dam and impoundment:	
Dam height: feetDam length: feet	
47.1	
Volume impounded: gallons OR acre-feet ii. Dam's existing hazard classification:	
iii. Provide date and summarize results of last inspection:	
m, Frovide date and summarize results of fast hispection,	
f. Has the project site ever been used as a municipal, commercial or industrial solid waste management facility,	□Yes☑No
or does the project site adjoin property which is now, or was at one time, used as a solid waste management facility If Yes:	ty?
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:	
Describe the rotation 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	☐ Yes ✓ No
property which is now or was at one time used to commercially treat, store and/or dispose of hazardous waste?	
If Yes:	
i. Describe waste(s) handled and waste management activities, including approximate time when activities occurre	d:
h. Potential contamination history. Has there been a reported spill at the proposed project site, or have any	☐ Yes ✓ No
remedial actions been conducted at or adjacent to the proposed site?	
If Yes:	
<i>i.</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): ☐ 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:	
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): 336088, 336002, 336057	E I CSL INU
iv. If yes to (i), (ii) or (iii) above, describe current status of site(s):	
	;0

Site code 336088 is Stewart International Airport (South of the Proposed Development), which was previously used as an Air National Guard Base. Aqueous film-forming form (AFFF), in which perfluorooctanesulfonic acid (PFOS) is a key ingredient, has been used over the years at the airport to put out fires and in training exercises. PFOS was detected in groundwater, surface water and catch basins at the airport and in Lake Washington and its tributaries.

Site code 336002 and 336057 are in reference to the F&T Darrigo site located at 84 Lakeside Road (750 North of the Proposed Development). Hazardous wastes including spent cleaning solution from metal finishing, furniture stripping waste, battery waste containing lead, and septic waste were disposed of in the on-site lagoons from 1948 to 1985. Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were chromium, copper, lead, nickel, and zinc in soil. Remedial actions have successfully achieved soil cleanup objectives for commercial use. Remaining contamination at the site is being managed under a Site Management Plan.

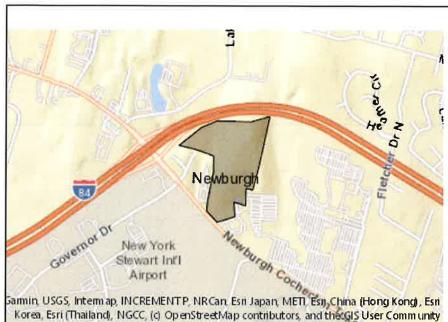
1. Is the project site located over, or immediately adjoining, a primary, principal or sole source aquifer? ☐Yes ✓No If Yes:	v. Is the project site subject to an institutional control limiting property uses?	☐ Yes ✓ No
Describe any use limitations: Describe any use limitations: Describe any use limitations: Describe any use limitations: Describe any using the states of the reportion of proposed action site with slopes: Describe any use limitations: Describe any use limitation of project site? Describe any use limitation of project site and use limitations: Describe any use limitation of project site and use limitations: Describe any use limitation of project site and use limitations: Describe any use limitation of project site and use limitations: Describe any use limitation of project site and use limitations: Describe any use limitation of project site and use limitations: Describe any use limitation of limitations and use limitations and use limitations ar	If yes, DEC site ID number: Describe the true of institutional control (control to the control to the c	
Describe any engineering controls: Will the project affect the institutional or engineering controls in place? Explain: EX. Natural Resources On or Near Project Site a. What is the average depth to bedrock on the project site? b. Are there bedrock outcroppings on the project site? b. Are there bedrock outcroppings on the project site? c. Predominant soil type(s) present on project site: ESB - Erie extremely stony soils AGB - Mardin gravely sill loam SXG - Swatswood and Mardin soils 34 % d. What is the average depth to the water table on the project site? Average: Drainage status of project site soils: Moderately Well Drained: Describe project site soils: Moderately Well Drained: Describe project site soils: Note:	Daniella sussano l'originale	
E.2. Natural Resources On or Near Project Site a. What is the average depth to bedrock on the project site? If Yes, what proportion of the site is comprised of bedrock outcroppings? c. Predominant soil type(s) present on project site: ESB - Efie extremely story soils MdB - Mardin pravelly sill boam AZC - Swartswood and Mardin soils Ad - What is the average depth to the water table on the project site? Drainage status of project site soils: Well Drained: O % of site O % of site O % of site O % of site I 100 % of site I 100 % of site I 1015%: ESB - File extremely story soils AZC - Swartswood and Mardin soils Ad - What is the average depth to the water table on the project site? I 100 % of site O % of site O % of site I 100 % of site I 100 % of site I 1015%: ESB - File extremely story soils AZ - Wardin pravelly sill boam AZ - Wardin soils AZ - Wardi		
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b. Are there bedrock outeroppings on the project site? If Yes, what proportion of the site is comprised of bedrock outeroppings? c. Predominant soil type(s) present on project site: ESB = Fire extremely story soils MdB = Mardin gravelly silt loam	E.2. Natural Resources On or Near Project Site	
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c. Predominant soil type(s) present on project site: ESB - Erie extremely stony soils 20 % MdB - Mardin gravelly silt loam 34 %		☐ Yes Z No
MdB - Mardin gravelly silt loam \$\frac{34}{34}\%\$ d. What is the average depth to the water table on the project site? Average: Drainage status of project site soils: Well Drained: Down of site Moderately Well Drained: Down of site Down of s		
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e. Drainage status of project site soils: Well Drained: 0 % of site 100 % of site 200		
Moderately Well Drained: Dow of site Dworly Drained Dworly Dw	d. What is the average depth to the water table on the project site? Average: n/a feet * Groundwater no	t encountered
f. Approximate proportion of proposed action site with slopes: □ 0-10%: □ 10-15%: □ 10-15%: □ 15% or greater: □ 0-10%: □ 15% or greater:		
g. Are there any unique geologic features on the project site? If Yes, describe: No surface water features. *See note at bottom of page i. Does any portion of the project site contain wetlands or other waterbodies (including streams, rivers, ponds or lakes)? 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 state or local agency? No streams: Name 862-136 Classification Classificatio		
g. Are there any unique geologic features on the project site?		
g. Are there any unique geologic features on the project site? Yes No If Yes, describe: Yes No		
h. Surface water features. *See note at bottom of page i. Does any portion of the project site contain wetlands or other waterbodies (including streams, rivers, ponds or lakes)? ii. Do any wetlands or other waterbodies adjoin the project site? iii. On any wetlands or other waterbodies adjoin the project site? iii. Are any of the wetlands or waterbodies within or adjoining the project site regulated by any federal, state or local agency? iv. For each identified regulated wetland and waterbody on the project site, provide the following information: • Streams: Name 862-136		□ Yes ✓ No
i. Does any portion of the project site contain wetlands or other waterbodies (including streams, rivers, ponds or lakes)? ii. Do any wetlands or other waterbodies adjoin the project site? iii. Are any of the wetlands or waterbodies within or adjoining the project site regulated by any federal, state or local agency? iv. For each identified regulated wetland and waterbody on the project site, provide the following information: Streams: Name 862-136		1030110
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iii. Are any of the wetlands or waterbodies within or adjoining the project site regulated by any federal, state or local agency? iv. For each identified regulated wetland and waterbody on the project site, provide the following information: Streams: Name 862-136		Z Yes ☐ No
state or local agency? **iv. For each identified regulated wetland and waterbody on the project site, provide the following information: **Streams: Name 862-136	· •	
iv. For each identified regulated wetland and waterbody on the project site, provide the following information: Streams: Name 862-136	iii. Are any of the wetlands or waterbodies within or adjoining the project site regulated by any federal, state or local agency?	✓ Yes LNo
Lakes or Ponds: Name	iv. For each identified regulated wetland and waterbody on the project site, provide the following information:	
• Wetland No. (if regulated by DEC) n/a v. Are any of the above water bodies listed in the most recent compilation of NYS water quality-impaired waterbodies? If yes, name of impaired water body/bodies and basis for listing as impaired: i. Is the project site in a designated Floodway? j. Is the project site in the 100-year Floodplain? k. Is the project site in the 500-year Floodplain? l. Is the project site located over, or immediately adjoining, a primary, principal or sole source aquifer? □Yes ▼No If Yes: ▼No If Yes: ▼No	Lakes or Ponds: Name n/a	
waterbodies? If yes, name of impaired water body/bodies and basis for listing as impaired: i. Is the project site in a designated Floodway? j. Is the project site in the 100-year Floodplain? k. Is the project site in the 500-year Floodplain? l. Is the project site located over, or immediately adjoining, a primary, principal or sole source aquifer? IYes No If Yes:	• Wetlands: Name Federal Waters, Federal Waters, Federal Waters, Approximate Size	
If yes, name of impaired water body/bodies and basis for listing as impaired: i. Is the project site in a designated Floodway? j. Is the project site in the 100-year Floodplain? k. Is the project site in the 500-year Floodplain? l. Is the project site located over, or immediately adjoining, a primary, principal or sole source aquifer? □Yes ☑No If Yes: □Yes ☑No If Yes:	v. Are any of the above water bodies listed in the most recent compilation of NYS water quality-impaired	☐Yes Z No
j. Is the project site in the 100-year Floodplain? 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:		
j. Is the project site in the 100-year Floodplain? 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:		
k. Is the project site in the 500-year Floodplain? □ Yes ☑ No I. Is the project site located over, or immediately adjoining, a primary, principal or sole source aquifer? □ Yes ☑ No If Yes:		
l. Is the project site located over, or immediately adjoining, a primary, principal or sole source aquifer? ☐Yes ✔No If Yes:	j. Is the project site in the 100-year Floodplain?	✓ Yes □No
If Yes:	k. Is the project site in the 500-year Floodplain?	□Yes Z No
i. Name of aquifer:	1. Is the project site located over, or immediately adjoining, a primary, principal or sole source aquifer? If Yes:	☐Yes Z No
	i. Name of aquifer:	

^{*} Section E.2.h is automatically filled out through the NYSDEC EAF Mapper Generator. A wetland delineation is in the process of being complete. The proposed development shall not disturb any existing on-site wetlands. Any existing on-site wetlands will be protected during construction. Page 11 of 13

T1			
m. Identify the predominant wildlife species			
white-tailed deer	grey squirrel	wild turkey	
eastern cottontail	chipmunk		
various songbirds	groundhog		
n. Does the project site contain a designated s	ignificant natural community?		✓ Yes □No
If Yes:			
i. Describe the habitat/community (composined Maple-Hardwood Swamp	tion, function, and basis for designat	ion):	
ii. Source(s) of description or evaluation: Re	egulatory map: NYSDEC EAF Mapper Ge	nerator	
iii. Extent of community/habitat:	д		
• Currently:	1460.0	acres	
 Following completion of project as p 	ronocad:		
• Gain or loss (indicate + or -):	Toposed.		
Gam of loss (indicate + of -):	-	acres	
o. Does project site contain any species of platendangered or threatened, or does it contains If Yes: i. Species and listing (endangered or threatened Indiana Bat, Upland Sandpiper	any areas identified as habitat for an	endangered or threatened spec	✓ Yes□No cies?
 p. Does the project site contain any species of special concern? If Yes: i. Species and listing: 			□Yes √ No
q. Is the project site or adjoining area currentl If yes, give a brief description of how the project.	y used for hunting, trapping, fishing oposed action may affect that use:	or shell fishing?	∐Yes ∕ No
9			
E.3. Designated Public Resources On or N	oor Project Site		
	•		
 a. Is the project site, or any portion of it, locat Agriculture and Markets Law, Article 25-A If Yes, provide county plus district name/num 	AA, Section 303 and 304?	t certified pursuant to	□Yes ⊘ No
b. Are agricultural lands consisting of highly	productive soils present?		☐Yes Z No
i. If Yes: acreage(s) on project site?			1 03 1 10
ii. Source(s) of soil rating(s):			
c. Does the project site contain all or part of, Natural Landmark? If Yes: i. Nature of the natural landmark: ii. Provide brief description of landmark, inc.	Biological Community 🔲 Go	eological Feature	□Yes ⁄ No
d. Is the project site located in or does it adjointf Yes: i. CEA name: ii. Basis for designation: iii. Designating agency and date:			

^{*} Section E.2.n is automatically filled out through the NYSDEC EAF Mapper Generator, which looks at significant natural communities, as well as a 1/2 mile buffer. The significant natural community that was flagged through the EAF Generator, is the Red Maple-Hardwood Swamp, which is located 1,000 ft North of the project site (North of I-84). There are no significant natural communities located within the project site.

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 Commissioner of the NY 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 Historic Building or District ii. Name: iii. Brief description of attributes on which listing is based:	7S
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? *See note at the bottom of the page)
g. Have additional archaeological or historic site(s) or resources been identified on the project site? If Yes: i. Describe possible resource(s): ii. Basis for identification:)
h. Is the project site within fives miles of any officially designated and publicly accessible federal, state, or local scenic or aesthetic resource? If Yes: i. Identify resource: Stewart State Forest; Newburgh-Beacon Bridge/Hudson River	
 ii. Nature of, or basis for, designation (e.g., established highway overlook, state or local park, state historic trail or scenic byway etc.): State forest land; State Scenic Road iii. Distance between project and resource: 	,
 i. Is the project site located within a designated river corridor under the Wild, Scenic and Recreational Rivers Program 6 NYCRR 666? 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? ★ Section E.3.f is automatically filled out through the NYSDEC EAF Mapper Generator. SHPO identifies an isolated — archaeological sensitive area surrounding the adjacent Newburgh Toyota property.)
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 Matrix Newburgh Route 17K Development, LLC Date July 7, 2023	
Signature Title Senoir Associate - Project Engineer	



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.

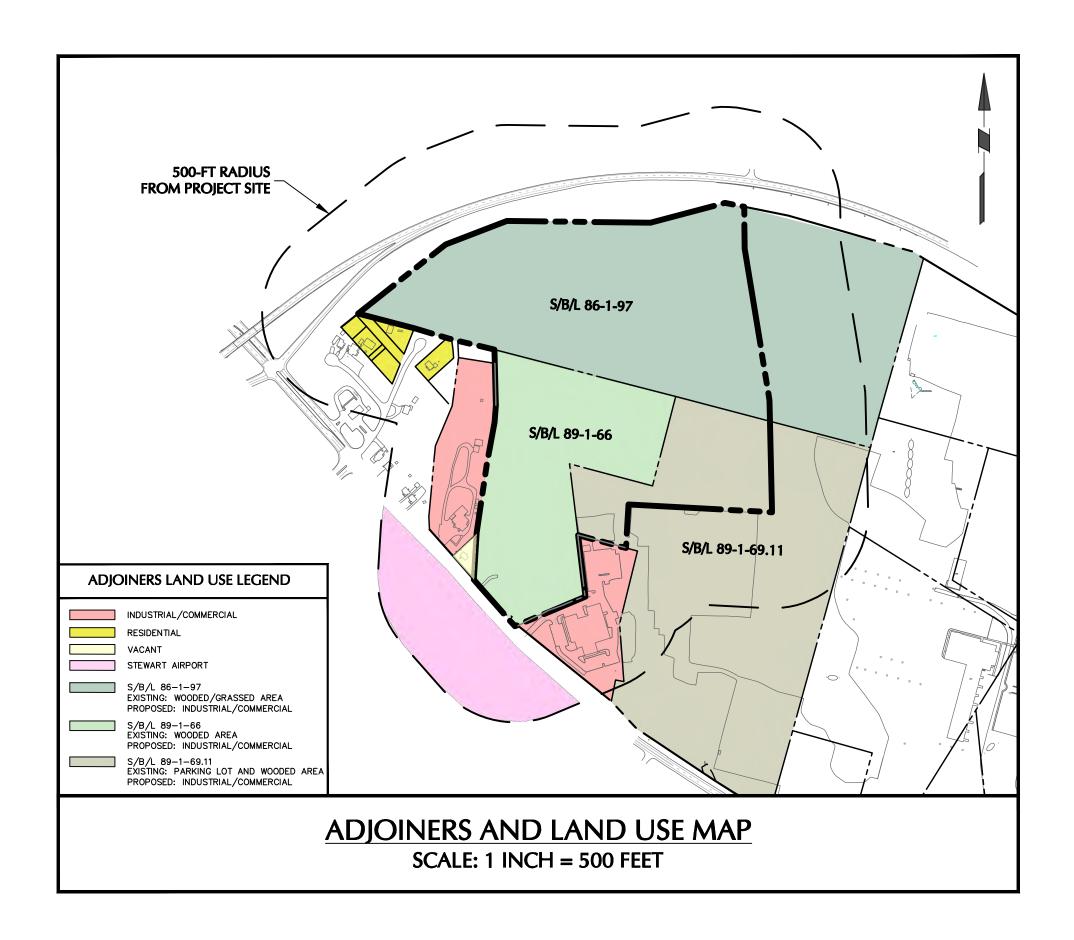


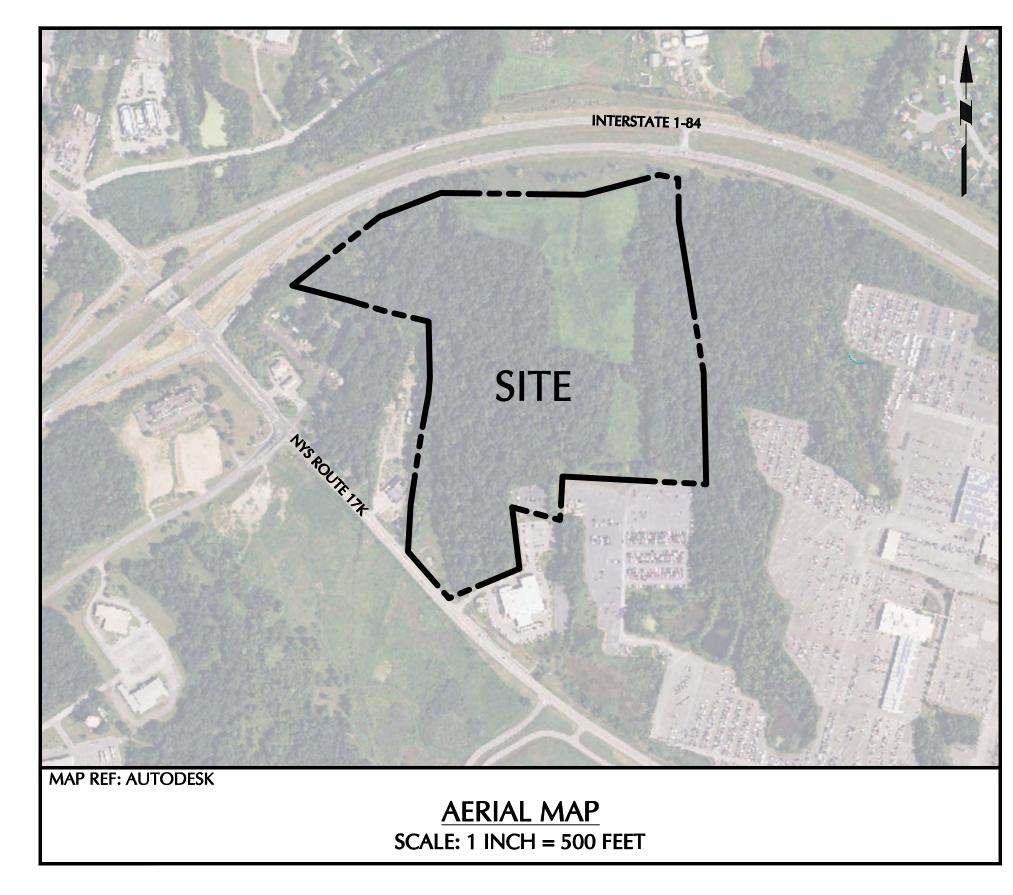
B.i.i [Coastal or Waterfront Area]	No
B.i.ii [Local Waterfront Revitalization Area]	No
C.2.b. [Special Planning District]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h [DEC Spills or Remediation Site - Potential Contamination History]	Digital mapping data are 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]	Yes
E.1.h.iii [Within 2,000' of DEC Remediation Site - DEC ID]	336088, 336002, 336057
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]	862-136
E.2.h.iv [Surface Water Features - Stream Classification]	С
E.2.h.iv [Surface Water Features - Wetlands Name]	Federal Waters
E.2.h.v [Impaired Water Bodies]	No
E.2.i. [Floodway]	No

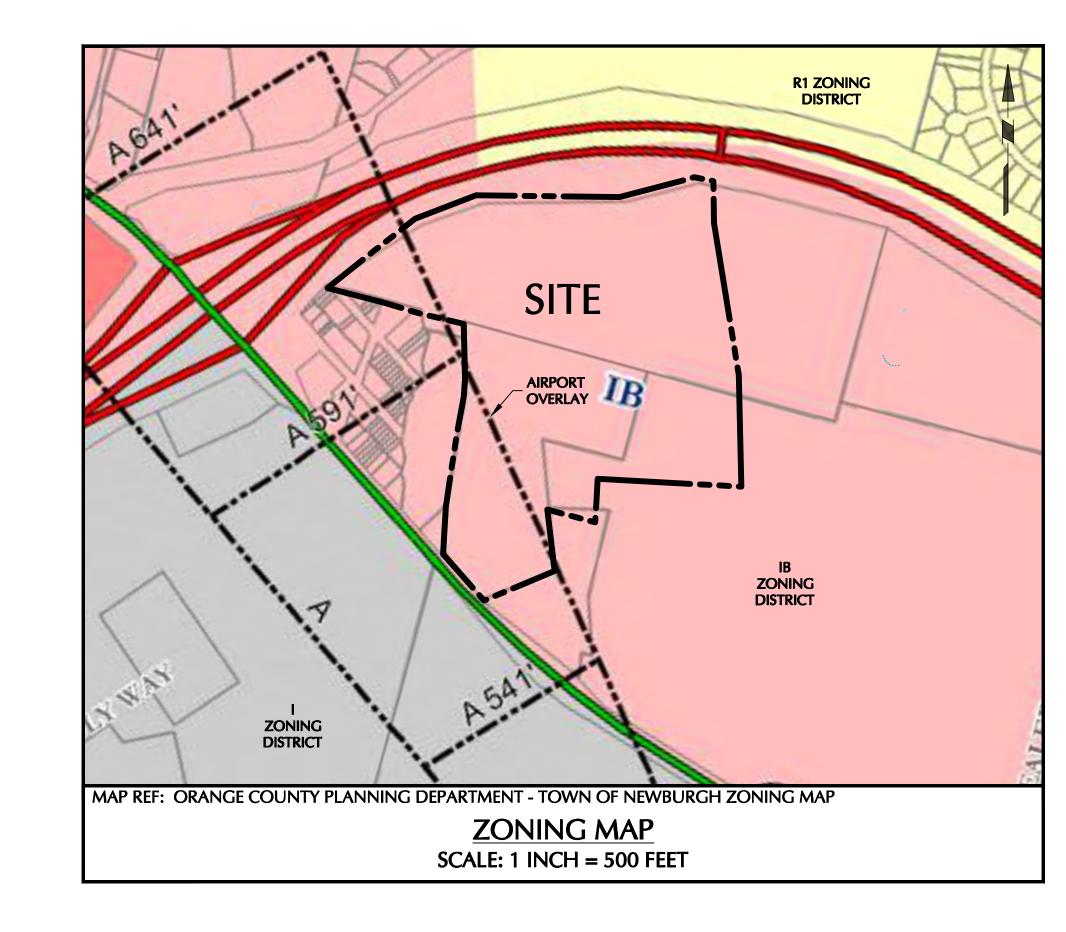
L.2.j. [100 16a1 1 100uplalli]	100
E.2.k. [500 Year Floodplain]	No
E.2.I. [Aquifers]	No
E.2.n. [Natural Communities]	Yes
E.2.n.i [Natural Communities - Name]	Red Maple-Hardwood Swamp
E.2.n.i [Natural Communities - Acres]	1460.0
E.2.o. [Endangered or Threatened Species]	Yes
E.2.o. [Endangered or Threatened Species - Name]	Indiana Bat, Upland Sandpiper
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]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.3.f. [Archeological Sites]	Yes
E.3.i. [Designated River Corridor]	No

SITE PLAN APPROVAL DOCUMENTS FOR MATRIX I-84 DISTRIBUTION CENTER

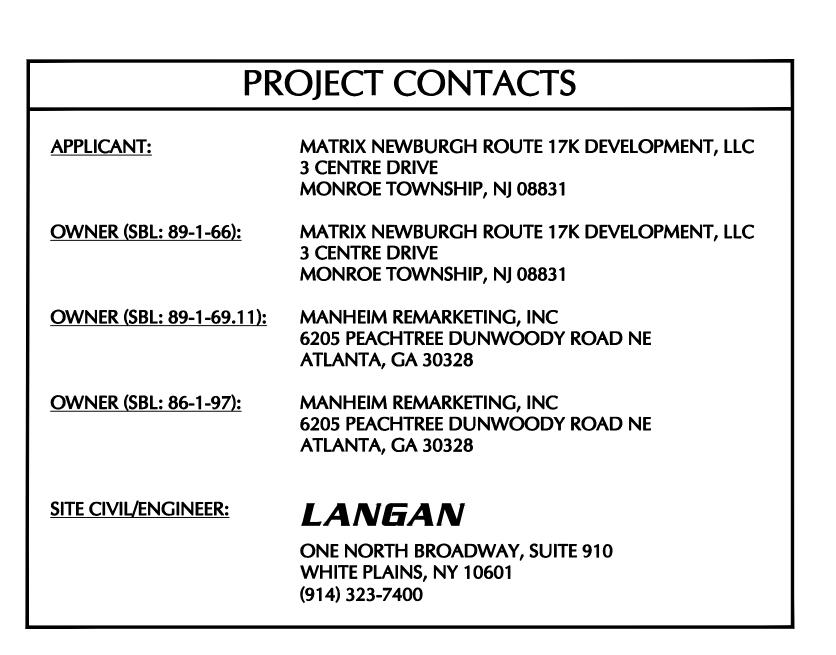
TOWN OF NEWBURGH ORANGE COUNTY, NEW YORK SECTION 89, BLOCK 1, LOTS 66 AND 69.11; SECTION 86, BLOCK 1, LOT 97 PLANNING BOARD PROJECT No: 2022-29







DD 41401-0-1-0	01:===:::	DRAWING LIST
DRAWING NO.	SHEET NO.	DRAWING TITLE
CS001	1 OF 45	COVER SHEET
CS002	2 OF 45	LEGEND & NOTES
CD100	3 OF 45	EXISTING CONDITIONS AND SITE REMOVALS PLAN
CB100	4 OF 45	LOT LINE CHANGE (1 OF 2)
CB200	5 OF 45	LOT LINE CHANGE (2 OF 2)
CS100	6 OF 45	OVERALL SITE PLAN
CS101	7 OF 45	SITE PLAN (1 OF 2)
CS102	8 OF 45	SITE PLAN (2 OF 2)
CS200	9 OF 45	EMERGENCY ACCESS ROUTE
CS300	10 OF 45	MANHEIM ZONING ANALYSIS
TM100	11 OF 45	TRUCK TURNING MOVEMENT PLAN
CP100	12 OF 45	PAVEMENT PLAN
CG100	13 OF 45	OVERALL GRADING PLAN
CG101	14 OF 45	GRADING PLAN (2.05.0)
CG102	15 OF 45	GRADING PLAN (2 OF 2)
CG201	16 OF 45	ROADWAY PROFILE
CG301	17 OF 45	SITE SECTIONS
CG400	18 OF 45	OVERALL DRAINAGE PLAN
CG401	19 OF 45	DRAINAGE PLAN (1 OF 2)
CG402	20 OF 45	DRAINAGE PLAN (2 OF 2)
CG501	21 OF 45	DRAINAGE PROFILES (1 OF 2)
CG502	22 OF 45	DRAINAGE PROFILES (2 OF 2)
CU100	23 OF 45	OVERALL UTILITY PLAN
CU101	24 OF 45	UTILITY PLAN (1 OF 2)
CU102	25 OF 45	UTILITY PLAN (2 OF 2)
CU201	26 OF 45	SANITARY SEWER PROFILE
CU202	27 OF 45	WATERMAIN PROFILE
CE100	28 OF 45	PHASING PLAN
CE101	29 OF 45	EROSION & SEDIMENT CONTROL PLAN (2 OF 2)
CE102	30 OF 45	EROSION & SEDIMENT CONTROL PLAN (2 OF 2)
CS501	31 OF 45	SITE DETAILS (1 OF 2)
CS502	32 OF 45	SITE DETAILS (2 OF 2) WATER DETAILS
CS503	33 OF 45	
CS504	34 OF 45	SEWER DETAILS DRAINAGE DETAILS (1 OF 2)
CS505	35 OF 45	DRAINAGE DETAILS (1 OF 2)
CS506	36 OF 45	,
CS507	37 OF 45	EROSION & SEDIMENT CONTROL DETAILS
15/22		ANDSCAPE ARCHITECTURE DRAWINGS
LP100	38 OF 45	OVERALL PLANTING PLAN
LP101	39 OF 45	PLANTING PLAN (2 OF 2)
LP102	40 OF 45	PLANTING PLAN (2 OF 2)
LP501	41 OF 45	PLATING NOTES AND DETAILS
LL100	42 OF 45	OVERALL SITE LIGHTING PLAN
LL101	43 OF 45	SITE LIGHTING PLAN (2.05.2)
LL102	44 OF 45	SITE LIGHTING PLAN (2 OF 2)
LL501	45 OF 45	SITE LIGHTING NOTES AND DETAILS
_	•	TREE PRESERVATION DRAWINGS
TP100	1 OF 6	OVERALL TREE PRESERVATION PLAN
TP101	2 OF 6	TREE PRESERVATION PLAN - TILE 1
TP102	3 OF 6	TREE PRESERVATION PLAN - TILE 2
TP103	4 OF 6	TREE PRESERVATION PLAN - TILE 3
TP104	5 OF 6	TREE PRESERVATION PLAN - TILE 4
TP105	6 OF 6	TREE PRESERVATION PLAN - TILE 5

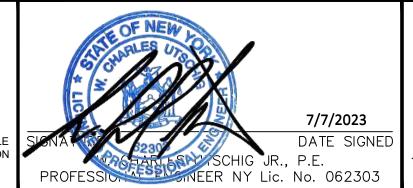


TOWN OF NEWBURGH APPROVAL BOX **TOWN PROJECT # 2022-29** PLANNING BOARD CHAIRPERSON JOHN P. EWASUTYN

145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, LAND SURVEYOR OR GEOLOGIST, TO ALTER THIS ITEM IN ANY WAY.

Description

Revisions



Landscape Architecture, and Geology, D.P.C. One North Broadway, Suite 910 White Plains, NY 10601

MATRIX I-84 DISTRIBUTION CENTER SECTION No. 86, BLOCK No. 1, LOT No. 97 SECTION No. 89, BLOCK No. 1, LOT No. 66 and 69.11 Г: 914.323.7400 F: 914.323.7401 www.langan.cor TOWN OF NEWBURGH

NEW YORK

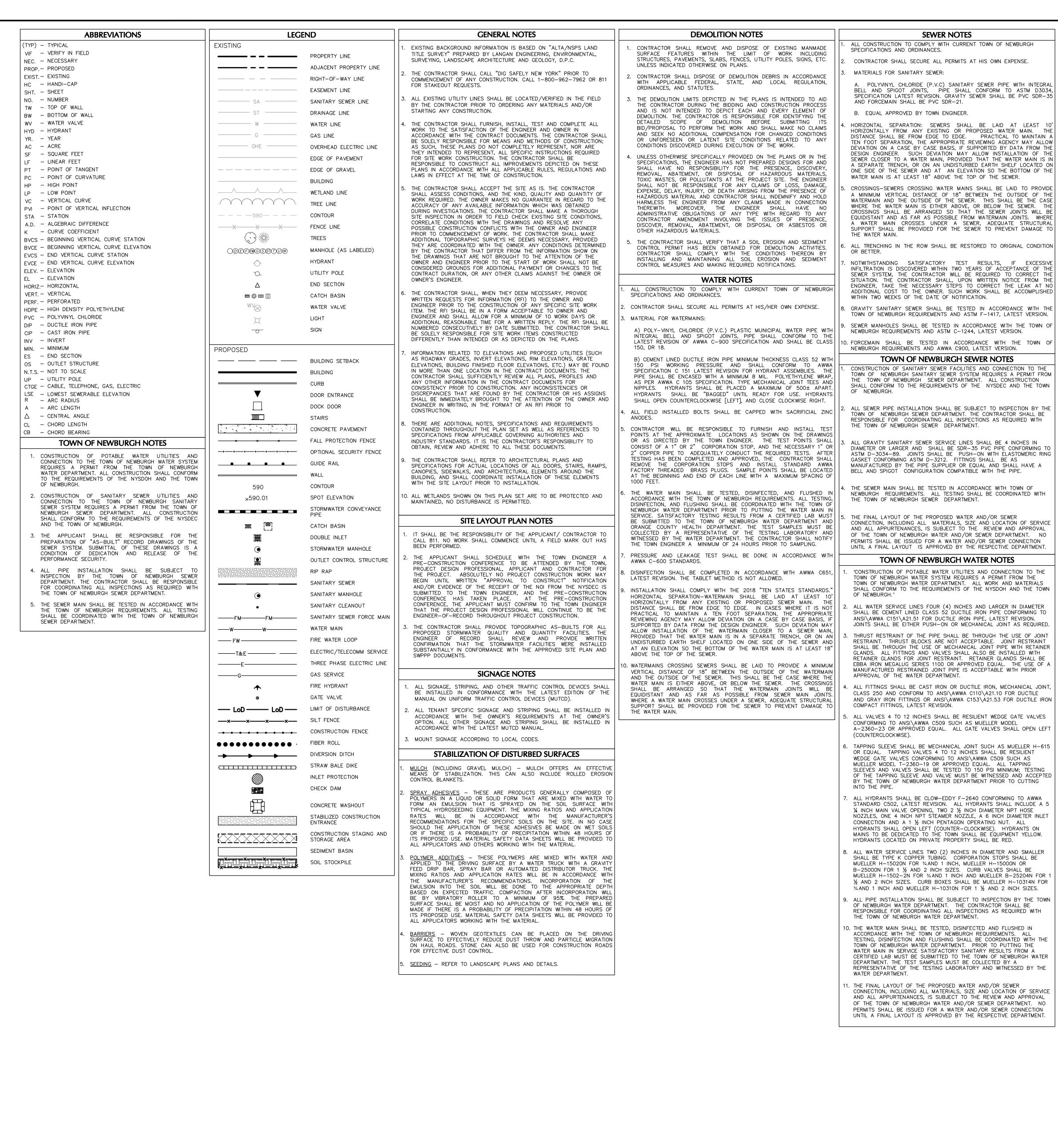
ORANGE COUNTY

COVER SHEET

190063302

Date: 7/7/2023 Time: 11:29 User: ascariano Style Table: Langan.stb Layout: CS001 Document Code: 190063302-0501-CS001-0101

CS00 Checked By



SEDIMENT CONTROLS SHALL BE INSTALLED IN ACCORDANCE WITH TH PLANS. SITE PREPARATION ACTIVITIES SHALL BE PLANNED TO MINIMIZE | A. THE CONTRACTOR AND THEIR SUBCONTRACTORS SHALL READ AND THE SCOPE AND DURATION OF SOIL DISRUPTION. EXISTING VEGETATION UNDERSTAND THE CONDITIONS OF THE "NYSDEC SPDES GENERAL PERMIT SHALL BE PRESERVED AS MUCH AS IS PRACTICAL. FOR STORM WATER DISCHARGES FROM CONSTRUCTION ACTIVITIES" (NYSDEC SPDES GENERAL PERMIT) IN EFFECT. THE CONTRACTOR AND THEIR SUBCONTRACTOR(S) SHALL IDENTIFY THE TRAINED INDIVIDUAL THAT WILL BE RESPONSIBLE FOR .THE CONTRACTOR AND THEIR SUBCONTRACTORS SHALL READ AND SIG IMPLEMENTATION AND MAINTENANCE OF THE EROSION AND SEDIMENT THE CERTIFICATION STATEMENT PROVIDED IN THE APPENDICES OF THE CONTROL MEASURES THROUGHOUT THE DURATION OF CONSTRUCTION. STORMWATER POLLUTION PREVENTION PLAN (SWPPP). PERMANENT TRAFFIC CORRIDORS SHALL BE ESTABLISHED AND "ROUTES . THE CONTRACTOR AND THEIR SUBCONTRACTORS SHALL IDENTIFY TH OF CONVENIENCE" SHALL BE AVOIDED. STABILIZED CONSTRUCTION TRAINED INDIVIDUAL(S) THAT WILL BE RESPONSIBLE FOR TH ENTRANCES SHALL BE INSTALLED AT ALL POINTS OF ENTRY ONTO THE IMPLEMENTATION AND MAINTENANCE OF THE SWPPP. THE TRAINED | BULK GRADING CONSTRUCTION INDIVIDUAL(S) SHALL READ AND SIGN THE CERTIFICATION STATEMENT PROVIDED IN THE SWPPP. A COPY OF THE SIGNED CERTIFICATION DAMAGE TO SURFACE WATERS RESULTING FROM EROSION AND STATEMENT SHALL BE PLACED IN THE SITE LOG BOOK AND GIVEN TO THE SEDIMENTATION SHALL BE MINIMIZED BY STABILIZING DISTURBED AREAS TOWN FOR THEIR RECORDS. AND BY REMOVING SEDIMENT FROM CONSTRUCTION SITE DISCHARGES. . THE TRAINED INDIVIDUAL(S) SHALL PROVIDE DOCUMENTATION THAT STOCKPILED TOPSOIL SHALL BE TEMPORARILY SEEDED, MULCHED, AN HE/SHE HAS RECEIVED TRAINING IN PROPER EROSION AND SEDIMENT FNCI OSFD WITH SILT FENCING. ALL GRASS SEED WILL CONTAIN AT CONTROL PRINCIPLES FROM A SOIL AND WATER CONSERVATION DISTRICT, LEAST 25 PERCENT RAPID GERMINATING PERENNIAL RYE GRASS. OR OTHER NYSDEC ENDORSED ENTITY TO THE TOWN FOR THEIR RECORDS. EROSION AND SEDIMENT CONTROL INSPECTIONS: THE CONTRACTOR SHALL OBTAIN ALL REQUIRED CONSTRUCTION PERMITS NECESSARY FOR THE WORK OUTLINED HEREIN. A. THE TRAINED INDIVIDUAL SHALL INSPECT ALL EROSION AND SEDIMENT CONTROL MEASURES ON A DAILY BASIS TO ENSURE PROPER THE TRAINED CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTATION PERFORMANCE. ANY SEDIMENT BUILD-UP SHALL BE CLEANED. AL OF ALL STORMWATER POLLUTION PREVENTION MEASURES OUTLINED IN DAMAGES TO EROSION AND SEDIMENT CONTROLS SHALL BE REPAIRED THE SWPPP AND PROJECT PLANS. EITHER AT THE BEGINNING OR AT THE END OF EACH WORKING DAY. THE CONTRACTOR SHALL HOLD A PRE-CONSTRUCTION CONFERENCE WITH THE QUALIFIED INSPECTOR SHALL CONDUCT SITE INSPECTIONS EVERY THE OWNER (AND/OR OWNER'S REPRESENTATIVES), TRAINED INDIVIDUAL(S). 7 DAYS DURING CONSTRUCTION. ANY DEFICIENCIES NOTED IN THE TOWN ENGINÈER, TOWN WATER SUPERINTENDENT, AND THE QUALIFIED REPORTS SHALL BE CORRECTED IMMEDIATELY BY THE CONTRACTOR. PROFESSIONAL AT LEAST ONE WEEK PRIOR TO COMMENCEMENT O IF SOIL DISTURBANCE ACTIVITIES ARE SUSPENDED FOR WINTER SHUTDOWN, TEMPORARY STABILIZATION MEASURES WILL BE APPLIED . THE CONTRACTOR OR OWNER SHALL HAVE THE QUALIFIED PROFESSIONAL TO ALL DISTURBED AREAS. IN THIS CASE AND SUBJECT TO TH AS DEFINED WITHIN THE NYSDEC SPDES GENERAL PERMIT, CONDUCT AN APPROVAL OF THE NYSDEC AND THE TOWN, THE FREQUENCY INITIAL SITE ASSESSMENT AND CERTIFY THAT THE APPROPRIATE EROSION INSPECTIONS BY THE QUALIFIED PROFESSIONAL MAY BE REDUCED 1 AND SEDIMENT CONTROL STRUCTURES AS DEPICTED ON THE PLANS HAVE AT LEAST ONE INSPECTION EVERY 30 CALENDAR DAYS. BEEN ADEQUATELY INSTALLED AND IMPLEMENTED PRIOR COMMENCEMENT OF CONSTRUCTION. REFER TO SWPPP FOR THE INITIAL . IF NYSDEC OR THE TOWN AUTHORIZES SOIL DISTURBANCES GREATER SITE ASSESSMENT GUIDELINES. THAN 5-ACRES, THE QUALIFIED PROFESSIONAL WILL CONDUCT LEAST 2 SITE INSPECTIONS, SEPARATED BY AT LEAST 2 CALENDAR THE CONTRACTOR SHALL MAINTAIN A RECORD OF ALL EROSION AN DAYS, EVERY 7 CALENDAR DAYS TO ENSURE THE STABILITY AND SEDIMENT CONTROL INSPECTION REPORTS AT THE SITE IN A LOG BOOK. EFFECTIVENESS OF ALL PROTECTIVE MEASURES AND PRACTICES UNTIL THE SITE LOG BOOK SHALL BE MAINTAINED ON-SITE AND BE MADE SUCH TIME THAT LESS THAN 5-ACRES OF SOIL REMAIN DISTURBED. AVAILABLE TO THE PERMITTING AUTHORITY. THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING DUST BY SPRINKLING ONCE CONSTRUCTION ACTIVITIES ARE COMPLETE, THE OWNER/OPERATOR EXPOSED SOIL AREAS PERIODICALLY WITH WATER AS REQUIRED. THE SHALL HAVE A QUALIFIED PROFESSIONAL CONDUCT A FINAL SITE CONTRACTOR IS TO SUPPLY ALL EQUIPMENT AND WATER. ASSESSMENT TO DETERMINE IF THE SITE MEETS THE FINAL STABILIZATION CRITERIA AS DEFINED WITHIN THE NYSDEC SPDES GENERAL PERMIT. IF THE EARTHWORK ACTIVITIES SHALL BE CONSISTENT WITH THE PLANS. THE SITE IS DETERMINED TO MEET THE FINAL STABILIZATION CRITERIA, A NOTICE EARTHWORK OPERATION AREAS SHALL BE STABILIZED ON AN ONGOING OF TERMINATION (NOT) SHALL BE COMPLETED AND SUBMITTED TO BASIS WITH NO AREAS. WHICH ARE NOT CURRENTLY UNDER NYSDEC TO TERMINATE COVERAGE UNDER THE SPDES GENERAL PERMIT. CONSTRUCTION, LEFT WITHOUT AT LEAST TEMPORARY COVER FOR MORE POLLUTION PREVENTION CONTROL NOTES EROSIVE MATERIAL TEMPORARILY STOCKPILED ON THE SITE DURING THE GOOD HOUSEKEEPING PRACTICES ARE DESIGNED TO MAINTAIN A CLEAN AN CONSTRUCTION PROCESS SHALL BE LOCATED IN AN AREA AWAY FROM ORDERLY WORK ENVIRONMENT. GOOD HOUSEKEEPING MEASURES SHALL BE STORM DRAINAGE AND SHALL BE PROPERLY PROTECTED BY A MAINTAINED THROUGHOUT THE CONSTRUCTION PROCESS BY THOSE PARTIES SURROUNDING SILT FENCE BARRIER. INVOLVED WITH THE DIRECT CARE AND DEVELOPMENT OF THE SITE. FOLLOWING MEASURES SHOULD BE IMPLEMENTED TO CONTROL THE POSSIBLE FOLLOWING THE COMPLETION OF CONSTRUCTION ACTIVITIES IN ANY | EXPOSURE OF HARMFUL SUBSTANCES AND MATERIALS TO STORMWATER | PORTION OF THE SITE, PERMANENT VEGETATION SHALL BE ESTABLISHED | | RUNOFF: ON ALL EXPOSED LANDSCAPE SOILS. MATERIAL RESULTING FROM THE CLEARING AND GRUBBING OPERATION SHALL BE STOCKPILED AWAY FROM STORM DRAINAGE. WATER BODIES IF CONSTRUCTION TAKES PLACE IN "WET SOILS", CURTAIN DRAINS OR AND/OR WATERCOURSES AND SURROUNDED WITH ADEQUATE EROSION AND SUBSURFACE DRAINAGE SHALL BE INSTALLED TO DEWATER THE SOILS. SEDÍMENT CONTROL MEASURES. SOIL STOCKPILE LOCATIONS SHALL BE DEWATERING DISCHARGES WILL NOT BE DIRECTED INTO WETLANDS, WATER EXPOSED NO LONGER THAN 14 DAYS BEFORE SEEDING. COURSES, WATER-BODIES, OR STORM SEWER SYSTEMS. EQUIPMENT MAINTENANCE AREAS SHALL BE PROTECTED FROM STORMWATER TEMPORARY DRAINAGE SWALES WITH A MINIMUM GRADE OF ONE PERCENT FLOWS AND SHALL BE SUPPLIED WITH APPROPRIATE WASTE RECEPTACLES SHALL BE INSTALLED TO DIRECT RUNOFF AWAY FROM EXCAVATED AREAS. FOR SPENT CHEMICALS, SOLVENTS, OILS, GREASES, GASOLINE, AND ANY SWALES SHALL BE INSTALLED WITH STAKED AND SECURED HAY BALE POLLUTANTS THAT MIGHT CONTAMINATE THE SURROUNDING HABITAT BERMS TO PREVENT DOWNSTREAM SILTATION. LOCATION OF THE AND OR WATER SUPPLY. EQUIPMENT WASH-DOWN ZONES SHALL BE DRAINAGE SWALES AND HAY BALES WILL BE AT THE DIRECTION OF THE DESIGN ENGINEER. SILT FENCE SHALL BE PROPERLY INSTALLED DOWN LOCATED WITHIN AREAS DRAINING TO SEDIMENT CONTROL DEVICES. GRADE OF ALL DISTURBED AREAS. SILT FENCE SHALL BE INSTALLED ALONG CONTOURS TO FILTER SEDIMENT FROM RUNOFF. INSPECTION BY THE USE OF DETERGENTS FOR LARGE-SCALE (I.E., VEHICLES, BUILDINGS CONTRACTOR SHOULD BE FREQUENT AND REPAIR OR REPLACEMENT PAVEMENT SURFACES, ETC.) WASHING IS PROHIBITED. SHOULD BE MADE PROMPTLY AS NEEDED. SILT FENCE SHOULD BE RFMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO MATERIAL STORAGE LOCATIONS AND FACILITIES (I.E., COVERED STORAGE BLOCK OR IMPEDE STORM FLOW OR DRAINAGE. AREAS, STORAGE SHEDS, ETC.) SHALL BE LOCATED ON-SITE AND SHALL BE STORED ACCORDING TO THE MANUFACTURER'S STANDARDS IN A TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL DEDICATED STAGING AREA. CHEMICALS, PAINTS, SOLVENTS, FERTILIZERS, REMOVED WHEN ALL DISTURBED AREAS HAVE UNDERGONE FINAL AND OTHER TOXIC MATERIAL MUST BE STORED IN WATERPROOF STABILIZATION, UPGRADIENT SURFACES HAVE BEEN PROPERLY STABILIZED. CONTAINERS. RUNOFF CONTAINING SUCH MATERIALS MUST BE COLLECTED AND ALL STORMWATER MANAGEMENT SYSTEMS ARE IN PLACE AND REMOVED FROM THE SITE, TREATED AND DISPOSED AT AN APPROVED OPERABLE. ALL AREAS DISTURBED BY THE REMOVAL OF THE TEMPORARY SOLID WASTE OR CHEMICAL DISPOSAL FACILITY. ROSION AND SEDIMENT CONTROL MEASURES SHALL BE FILLED IN TOPSOILED, SEEDED, AND MULCHED. FINAL STABILIZATION IS ACHIEVED WHEN ALL SOIL DISTURBING ACTIVITIES ARE COMPLETED AND A UNIFORM HAZARDOUS SPILLS SHALL BE IMMEDIATELY CONTAINED TO PREVENT SUCH PERENNIAL VEGETATIVE COVER WITH A DENSITY OF 80 PERCENT POLLUTANTS FROM ENTERING THE SURROUNDING HABITAT AND/OR WATER COVERAGE IS ESTABLISHED. OR EQUIVALENT STABILIZATION MEASURES. SUPPLY. SPILL KITS SHALL BE PROVIDED ON-SITE AND SHALL BE SUCH AS PLACEMENT OF MULCH OR GEOTEXTILE IS COMPLETED ON ALL DISPLAYED IN A PROMINENT LOCATION FOR EASE OF ACCESS AND USE. AREAS NOT PAVED OR COVERED BY PERMANENT STRUCTURES. ENSURE SPILLS GREATER THAN FIVE (5) GALLONS SHALL BE REPORTED TO THE THAT FINAL STABILIZATION OF ALL TRIBUTARY AREAS IS ACHIEVED PRIOR NYSDEC RESPONSE UNIT AT 1-800-457-7362. IN ADDITION, A RECORD | THE LIMITS OF DISTURBANCE WILL BE FLAGGED BY THE CONTRACTOR PRIOR TO OF THE INCIDENT(S) AND/OR NOTIFICATIONS SHALL BE DOCUMENTED AND THE COMMENCEMENT OF CONSTRUCTION TO ENSURE OVER CLEARING DOES NOT TO THE CONSTRUCTION OF THE BIORETENTION BASINS. ATTACHED TO THE SWPPP. TELEPHONE NOTES PORTABLE SANITARY WASTE FACILITIES SHALL BE PROVIDED ON-SITE FOR WORKERS AND SHALL BE PROPERLY MAINTAINED. ALL UNDERGROUND TELEPHONE RELATED INSTALLATIONS SHALL E COORDINATED BY THE CONTRACTOR WITH THE TELEPHONE COMPANY. DUMPSTERS AND OR DEBRIS CONTAINERS SHALL BE LOCATED ON-SITE | AREAS ARE COMPLETE. AND SHALL BE OF ADEQUATE SIZE TO MANAGE RESPECTIVE MATERIALS. TELEPHONE CONDUIT SHALL BE SCH. 40 PVC OR AS REQUIRED BY THE REGULAR COLLECTION AND DISPOSAL OF WASTES SHALL OCCUR AS TELEPHONE COMPANY. MINIMUM TELEPHONE CONDUIT BURIAL DEPTH SHALL BE TWO FEET, O GREATER IF REQUIRED BY THE TELEPHONE COMPANY. MINIMUM OF 50 FEET FROM STORM DRAIN INLETS, OPEN DRAINAGE | DISTURBED. BUILDING CONTRACTOR SHALL ROUTE TELEPHONE SERVICE INSIDE OF THE FACILITIES, AND WATERCOURSES. EACH FACILITY SHOULD BE LOCATED BUILDING TO ONE COMMON POINT FOR CONNECTION TO THE SITE AWAY FROM CONSTRUCTION TRAFFIC OR ACCESS AREAS TO PREVENT TELEPHONE CONDUIT. DISTURBANCE OR TRACKING. A SIGN SHOULD BE INSTALLED ADJACENT TO ertEACH WASHOUT FACILITY TO INFORM CONCRETE EQUIPMENT OPERATORS TO JILIZE THE PROPER FACILITIES. WHEN TEMPORARY CONCRETE WASHOUT lacksquare**ELECTRICAL SERVICE NOTES** FACILITIES ARE NO LONGER REQUIRED FOR THE WORK. THE HARDENED CONCRETE SHALL BE REMOVED AND DISPOSED OF. MATERIALS USED ' ALL ABOVEGROUND AND UNDERGROUND ELECTRICAL SERVICE RELATED CONSTRUCT THE TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE NO SOIL DISTURBANCE INSTALLATIONS SHALL BE COORDINATED BY THE CONTRACTOR WITH THE REMOVED AND DISPOSED OF. HOLES, DEPRESSIONS OR OTHER GROUND ELECTRIC COMPANY, CENTRAL HUDSON. DISTURBANCE CAUSED BY THE REMOVAL OF THE TEMPORARY CONCRETE | MINIMAL SOIL DISTURBANCE (E.G., WASHOUT FACILITIES SHALL BE BACKFILLED AND/OR REPAIRED, SEEDED, | | CLEARING AND GRUBBING ACTIVITIES) ELECTRICAL CONDUIT SHALL BE SCH. 80 PVC OR AS REQUIRED BY THE AND MULCHED FOR FINAL STABILIZATION. ELECTRIC COMPANY. NON-STORMWATER COMPONENTS OF SITE DISCHARGE MUST BE CLEAN MINIMUM ELECTRICAL CONDUIT BURIAL DEPTH SHALL BE THREE FEET, OR WATER. WATER USED FOR CONSTRUCTION, WHICH DISCHARGES FROM THE | AREAS OF CUT OR FILL GREATER IF REQUIRED BY THE ELECTRIC COMPANY. SITE, MUST ORIGINATE FROM A PUBLIC WATER SUPPLY OR PRIVATE WELL | | APPROVED BY THE HEALTH DEPARTMENT. WATER USED FOR HEAVY TRAFFIC AREAS ON SITE GAS NOTES CONSTRUCTION THAT DOES NOT ORIGINATE FROM AN APPROVED PUBLIC | | (ESPECIALLY IN 5' TO 25' AROUND SUPPLY MUST NOT DISCHARGE FROM THE SITE. IT CAN BE RETAINED IN | | BUILDINGS BUT NOT WITHIN 5' ALL UNDERGROUND GAS SERVICE RELATED INSTALLATIONS SHALL BE THE TEMPORARY SEDIMENT BASINS UNTIL IT EVAPORATES. COORDINATED BY THE CONTRACTOR WITH THE GAS COMPANY, CENTRAL GAS PIPING (SIZE AND MATERIAL) SHALL BE AS REQUIRED BY THE GAS APPROPRIATE CONTROL MEASURES. MINIMUM GAS PIPING BURIAL DEPTH SHALL BE THREE FEET, OR GREATER WASTEWATER DISCHARGES FROM WASHOUT AND CLEANOUT OF STUCCO, | | REDEVELOPMENT PROJECTS IF REQUIRED BY THE GAS COMPANY PAINT, FORM RELEASE OILS, CURING COMPOUNDS, AND OTHER CONSTRUCTION MATERIALS IS PROHIBITED.

EROSION & SEDIMENT CONTROL NOTES

ADDITIONAL REQUIREMENTS.

REFER TO THE SPDES GENERAL PERMIT COMPLIANCE NOTES FOR | 1

ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE IN STRICT

PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, ALL EROSION AND

FOR EROSION AND SEDIMENT CONTROL", LATEST REVISIONS.

COMPLIANCE WITH "NEW YORK STATE STANDARDS AND SPECIFICATIONS

. MINIMUM OF TWO SITE INSPECTIONS WILL BE CONDUCTED EVERY SEVEN CALENDAR DAYS BY THE QUALIFIED INSPECTOR TO ENSURE THE STABILITY AND \mid FECTIVENESS OF ALL PROTECTIVE MEASURES AND PRACTICES DURING TEMPORARY CONCRETE WASHOUT FACILITIES SHOULD BE LOCATED A | CONSTRUCTION FOR AS LONG AS MORE THAN 5-ACRES OF LAND REMAINS SOIL RESTORATION NOTES SOIL RESTORATION SHALL BE PERFORMED IN THE DISTURBED AREAS. THE SOILS SHALL BE RESTORED AS FOLLOWS: TYPE OF SOIL DISTURBANCE SOIL RESTORATION REQUIREMENT RESTORATION NOT PERMITTED RESTORATION NOT REQUIRED AREAS WHERE TOPSOIL IS STRIPPED | AERATE AND APPLY 6" OF TOPSOIL ||ONLY (NO CHANGE IN GRADE) PPLY FULL SOIL RESTORATION APPLY FULL RESTORATION IPERIMETER AROUND FOUNDATION DISCHARGES FROM DEWATERING ACTIVITIES, INCLUDING DISCHARGES FROM | | AREAS WHERE RUNOFF REDUCTION | RESTORATION MY NOT BE REQUIRED, DEWATERING TRENCHES AND EXCAVATIONS, MUST BE MANAGED BY | | AND OR INFILTRATION PRACTICES ARE BUT MAY BE APPLIED TO ENHANCE THE REDUCTION SPECIFIED FOR THE APPROPRIATE PRACTICE OIL RESTORATION IS REQUIRED ON REDEVELOPMENT PROJECTS IN AREAS WHERE EXISTING IMPERVIOUS AREA WILL BE CONVERTED TO PERVIOUS PRIOR TO APPLYING FULL SOIL RESTORATION, ALL CONSTRUCTION ACTIVITY, INCLUDING CONSTRUCTION EQUIPMENT AND MATERIAL STORAGE, SITE CLEANUP AND TRAFFICKING. SHOULD BE FINISHED AND THE SITE CLOSED OFF TO FURTHER DISTURBANCE. FULL SOIL RESTORATION IS IMPLEMENTED IN A TWO DEEP RIP THE AFFECTED THICKNESS OF EXPOSED SUBSOIL MATERIAL.

CONSTRUCTION SEQUENCING NOTES

FLAG THE DISTURBANCE LIMITS PRIOR TO THE COMMENCEMENT

INSTALL PERIMETER SILT FENCE AND TREE PROTECTION MEASURES AS

CLEARING AND GRUBBING ACTIVITIES SHALL BE LIMITED TO A MAXIMUM

OF 5-ACRES, UNLESS REQUIRED APPROVALS ARE RECEIVED TO DISTURB

A GREATER AMOUNT FROM THE TOWN OF NEWBURGH. STABILIZE

CONCURRENTLY WITH THE CLEARING ACTIVITIES SUCH THAT NO MORE

THAN 5-ACRES ARE CLEARED AND GRUBBED AT ANY ONE TIME. WOODS

STABILIZE THE CLEARED AREA. CHIPPING TREES AND STUMP GRINDINGS

GENERATED AS PART OF THE CLEARING OPERATIONS WILL ALSO BE USED

INSPECT ALL EROSION CONTROL MEASURES DURING CLEARING AND

THE CONTRACTOR SHALL DEMARCATE THE DISTURBANCE LIMITS PRIOR TO

INSTALL TEMPORARY DIVERSION MEASURES TO ENSURE TH

THE TEMPORARY SEDIMENT BASINS SHALL BE GRADED TO THE TOP

THE GRAVEL LAYER IN THE BIORETENTION PRACTICES AND GRADED

THE TOP OF THE AQUATIC BENCH IN THE STORMWATER PONDS. INSTALL

DEWATERING DEVICES AND OUTLET CONTROL STRUCTURES WITH

DEWATERING RISER IN ACCORDANCE WITH THE PROJECT PLANS. COVER

THE PRIMARY INLET OF THE OUTLET CONTROL STRUCTURE WITH AMOCO

TYPE 4545 OR APPROVED EQUAL CONSTRUCTION FABRIC TO PREVENT

THE EARTHWORK OPERATIONS WILL GENERALLY PROCEED AS SHOWN ON

THE PHASING PLANS. TO MINIMIZE THE NEED TO IMPORT OR EXPORT

MATERIAL. THE EXCESS CUT MATERIAL CAN BE PLACED IN A PHASE

ANY TEMPORARY OR TOPSOIL STOCKPILES SHALL BE PROTECTED FROM

EROSION WITH SEED/MULCH AND SHALL BE COVERED IN RAIN EVENTS AS

CONDITIONS WARRANT. (REFER TO PROJECT DETAILS FOR ADDITIONAL

TO MINIMIZE UNNECESSARY DISTURBANCES, EXCAVATION AND FILL AREAS

SHALL BE MANAGED TO ENABLE THE INSTALLATION OF UTILITIES AS THE

THE DISTURBED AREAS SHALL BE ACTIVELY STABILIZED AS WORK

REPEAT THE ABOVE PROCESS FOR EACH OF THE PHASES UNTIL THE

THE TEMPORARY SEDIMENT BASINS SHALL REMAIN IN PLACE UNTIL ALL

SOIL DISTURBANCE ACTIVITIES THAT CONTRIBUTE TO THE TEMPORARY

THE PERMANENT STORMWATER MANAGEMENT PRACTICES SHALL NOT BE

COMPLETED UNTIL ALL OF THE CONTRIBUTING AREAS TO THE PRACTICES

PREPARE PAVEMENT SUBGRADE AND INSTALL SUBBASE MATERIAL. INLET

PROTECTION MEASURES MAY BE REMOVED TEMPORARILY DURING THIS

INSTALL PROPOSED CURBING AND BINDER COURSE. INLET PROTECTION

NO MORE THAN 24-HOURS PRIOR TO PLACEMENT OF THE SUBBASE

MATERIAL. INLET PROTECTION MEASURES SHALL BE REPLACED ONCE THE

FINISH GRADING AND STABILIZE ALL DISTURBED AREAS. ALL CATCH

BASINS, DRAINAGE MANHOLES, AND DRAINAGE LINES SHALL BE CLEANED

REMOVE ALL ACCUMULATED SEDIMENT WITHIN THE TEMPORARY SEDIMENT

BASINS. REMOVE THE TEMPORARY PERFORATED RISERS AND

FINALIZE CONSTRUCTION OF THE BIORETENTION AREAS AND STORMWATER

PLACE PAVEMENT TOP COURSE AND PAVEMENT MARKINGS, AS

REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES.

ESTABLISH PERMANENT VEGETATIVE COVER AND INSTALL ALL

OCCUR. THE ENTIRE DISTURBANCE AREA WILL BE CLEARED INITIALLY FOR

I BULK GRADING ACTIVITIES. PORTIONS OF THE PHASE WILL BE STABILIZED WITH

APPROPRIATE STABILIZATION MEASURES WHILE CONSTRUCTION IS OCCURRING IN

OTHER PORTIONS OF THE SITE. STABILIZATION METHODS WILL INCLUDE, BUT

CHIPS OVER THE DISTURBED AREAS ONCE CONSTRUCTION WITHIN THOSE

 $\mid \mid$ NOT LIMITED TO, HYDRO—SEEDING, MULCHING, HAYING, AND SPREADING WOOD

IMMEDIATELY STABILIZE THE AREAS DISTURBED DURING THEIR REMOVAL.

INSTALL ALL PLANTINGS IN ACCORDANCE WITH THE PROJECT PLANS.

CONSTRUCTION FABRIC FROM OUTLET CONTROL STRUCTURES.

PONDS UPON COMPLETION OF CONSTRUCTION ACTIVITIES.

MEASURES MAY BE REMOVED TEMPORARILY DURING THIS OPERATION, BUT

THE SUBBASE MATERIAL. INLET PROTECTION MEASURES SHALL BE

OPERATION, BUT NO MORE THAN 24-HOURS PRIOR TO PLACEMENT OF

REPLACED ONCE THE SUBBASE MATERIAL HAS BEEN INSTALLED.

REQUIRING FILL AS LONG AS THE OVERALL TOTAL DISTURBANCE BETWEEN

STORMWATER RUNOFF IS CONVEYED TO THE TEMPORARY SEDIMENT

BASINS. TEMPORARY DIVERSION MEASURES SHALL BE LOCATED IN A

MANNER THAT WILL ENSURE THAT THE TRIBUTARY AREA TO EACH

THE COMMENCEMENT OF CONSTRUCTION OF EACH PHASE.

DIVERSION MEASURE SHALL NOT EXCEED 5-ACRES.

FINES FROM ENTERING THE STORMWATER DISCHARGES.

THE PHASES DOES NOT EXCEED 20 ACRES.

FILL PROGRESSES, WHEREVER POSSIBLE.

NECESSARY FILL MATERIAL HAS BEEN OBTAINED.

SEDIMENT BASINS HAVE BEEN COMPLETED.

HAVE BEEN CONSTRUCTED AND STABILIZED.

BINDER COURSE HAS BEEN INSTALLED.

LANDSCAPING.

OF ANY ACCUMULATED SILT AND SEDIMENT.

BULK GRADING OPERATIONS SHALL OCCUR FIRST.

INFORMATION.)

GRUBBING ACTIVITIES. REPAIR ANY DAMAGED EROSION CONTROL

CHIPS AND/OR SPRAY MULCH SHALL BE USED TO TEMPORARILY

CLEARING AND GRUBBING ACTIVITIES

CLEARING AND GRUBBING ACTIVITIES.

SHOWN ON THE PROJECT PLANS.

TO PRODUCE WOOD CHIPS.

MEASURES UPON DISCOVERY.

SPDES GENERAL PERMIT COMPLIANCE NOTES

. THE NOTICE OF INTENT (NOI) AND SIGNED MS4 SWPPP ACCEPTANCE FORM |

(IF APPLICABLE) SHALL BE FILED WITH THE NEW YORK STATE DEPARTMENT

OF ENVIRONMENTAL CONSERVATION (NYSDEC). A COPY OF THE NOI, SIGNED

MS4 SWPPP ACCEPTANCE FORM (IF APPLICABLE), AND THE NOI

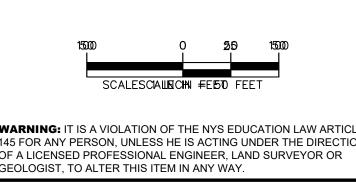
ACKNOWLEDGEMENT SHALL BE MAINTAINED AT THE SITE IN THE LOG BOOK.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH TH

TOWN OF NEWBURGH APPROVAL BOX **TOWN PROIECT # 2022-29**

PLANNING BOARD CHAIRPERSON JOHN P. EWASUTYN

Description Revisions







White Plains, NY 10601

MATRIX I-84 DISTRIBUTION CENTER SECTION No. 86, BLOCK No. 1, LOT No. 97 SECTION No. 89, BLOCK No. 1, LOT No. 66 and 69.11 **TOWN OF NEWBURGH**

NEW YORK

ORANGE COUNTY

LEGENDS & NOTES

Drawing No. 190063302 **JULY 10, 2023** Drawn By Checked By

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AGGRESSIVELY FRACTURING IT BEFORE THE PROTECTED TOPSOIL IS

DECOMPACT, SIMULTANEOUSLY THROUGH THE RESTORED TOPSOIL LAYER

REAPPLIED ON THE SITE.

AND UPPER HALF OF THE AFFECTED SUBSOIL.

CS002

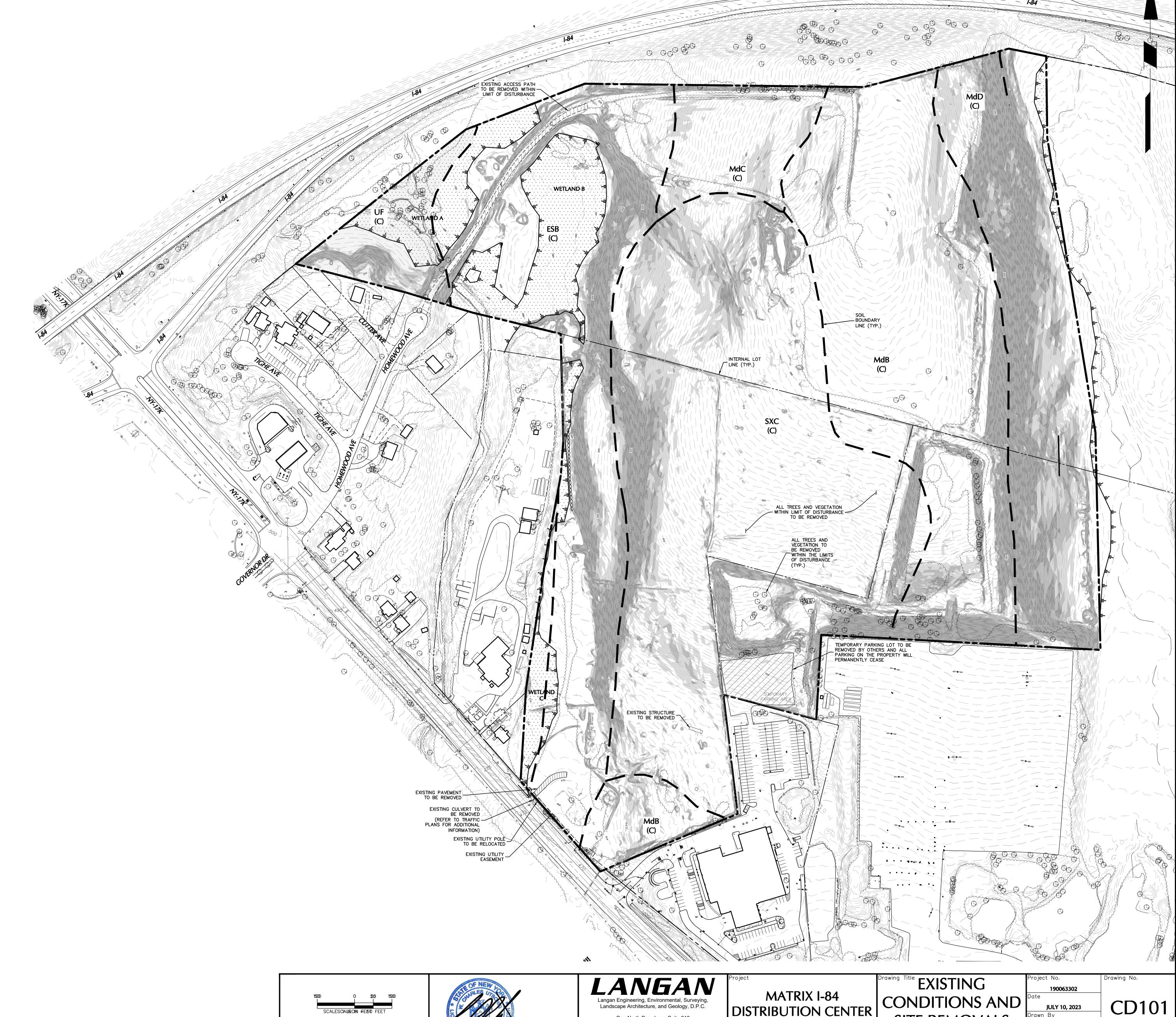
REFERENCE NOTES

. EXISTING SITE FEATURES, TOPOGRAPHIC, AND UTILITY INFORMATION SHOWN HEREON ARE FROM AN ALTA/NSPS LAND TITLE SURVEY PREPARED BY LAGAN ENGINEERING, ENVIRONMENTAL, SURVEYING, LANDSCAPE ARCHITECTURE, AND GEOLOGY, D.P.C

THE VERTICAL DATUM REFERENCED IS THE NORTH AMERICAN VERTICAL DATUM OF 1988

- . THE HORIZONTAL DATUM REFERENCED IS THE NORTH AMERICAN DATUM OF 1983 (NAD83), NEW YORK STATE EAST STATE PLANE.
- 1. ONSITE WETLANDS HAVE BEEN DELINEATED AND LOCATED BY LANGAN ENGINEERING, ENVIRONMENTAL, SURVEYING, LANDSCAPE ARCHITECTURE AND GEOLOGY, D.P.C. WETLAND SCIENTISTS ON 11/01/2022 AND 11/02/2022.

SLOPES TABLE					
NUMBER	MIN. SLOPE	MAX. SLOPE	AREA (SF)	AREA (AC)	COLOR
1	15.0%	20.0%	319,807	7.34	
2	20.0%	25.0%	193,050	4.43	
3	25.0%	Vertical	537,263	12.33	

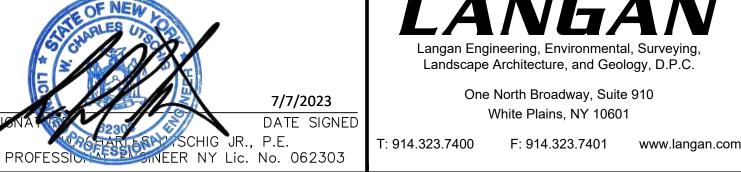


TOWN OF NEWBURGH APPROVAL BOX **TOWN PROJECT # 2022-29**

PLANNING BOARD CHAIRPERSON JOHN P. EWASUTYN

Description Revisions

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, LAND SURVEYOR OR GEOLOGIST, TO ALTER THIS ITEM IN ANY WAY.



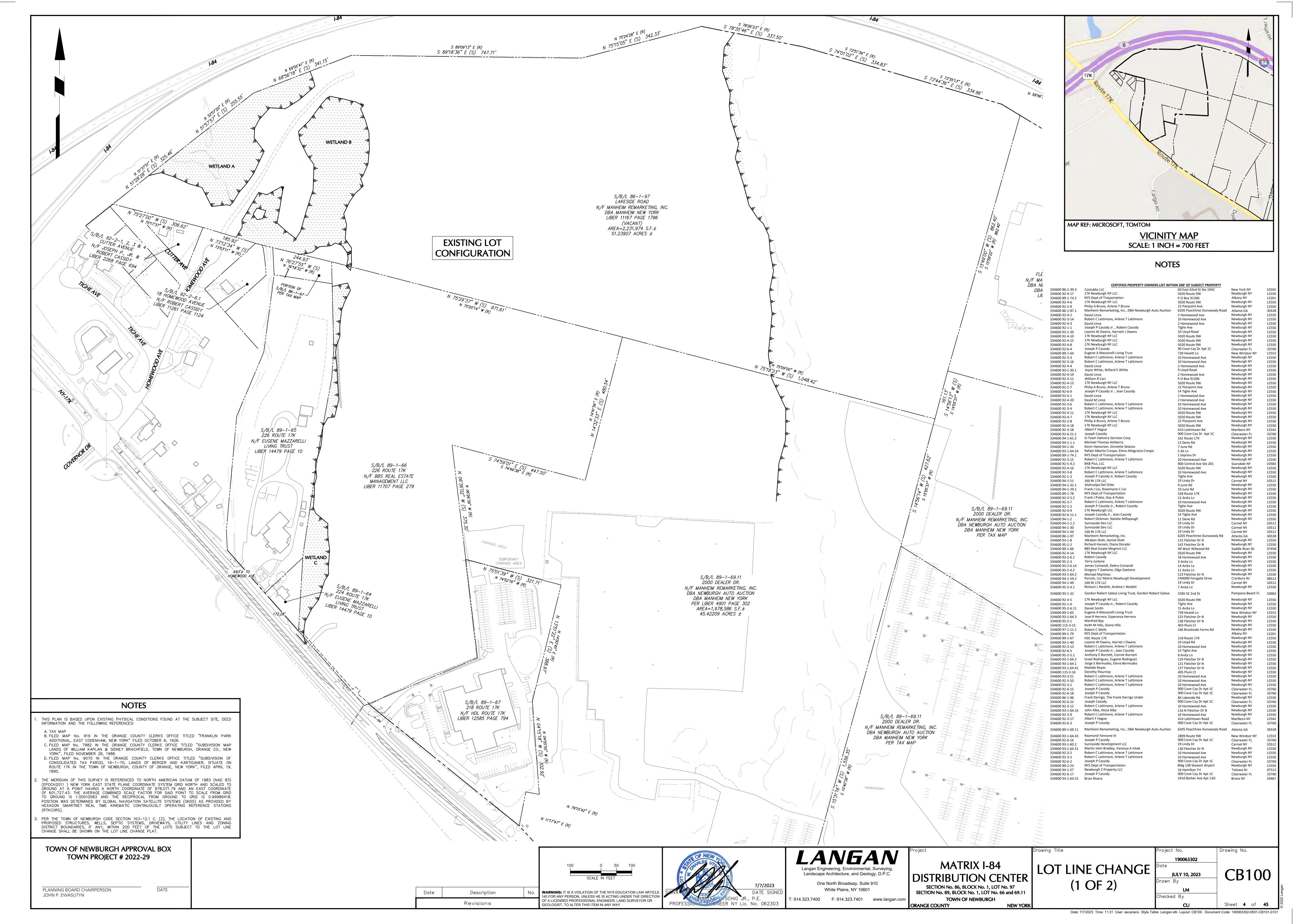
One North Broadway, Suite 910 White Plains, NY 10601

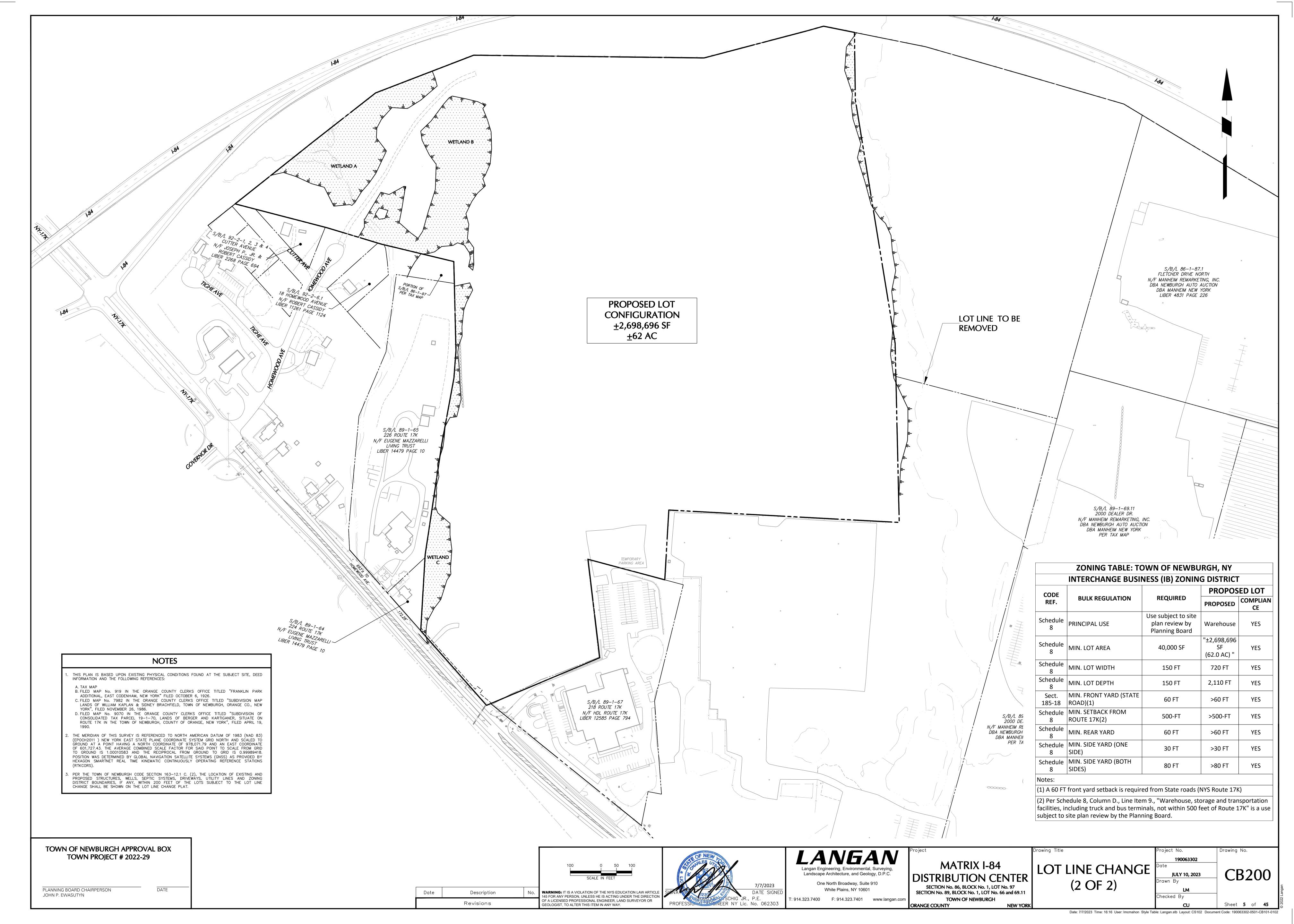
SECTION No. 86, BLOCK No. 1, LOT No. 97 SECTION No. 89, BLOCK No. 1, LOT No. 66 and 69.11 TOWN OF NEWBURGH ORANGE COUNTY **NEW YORK**

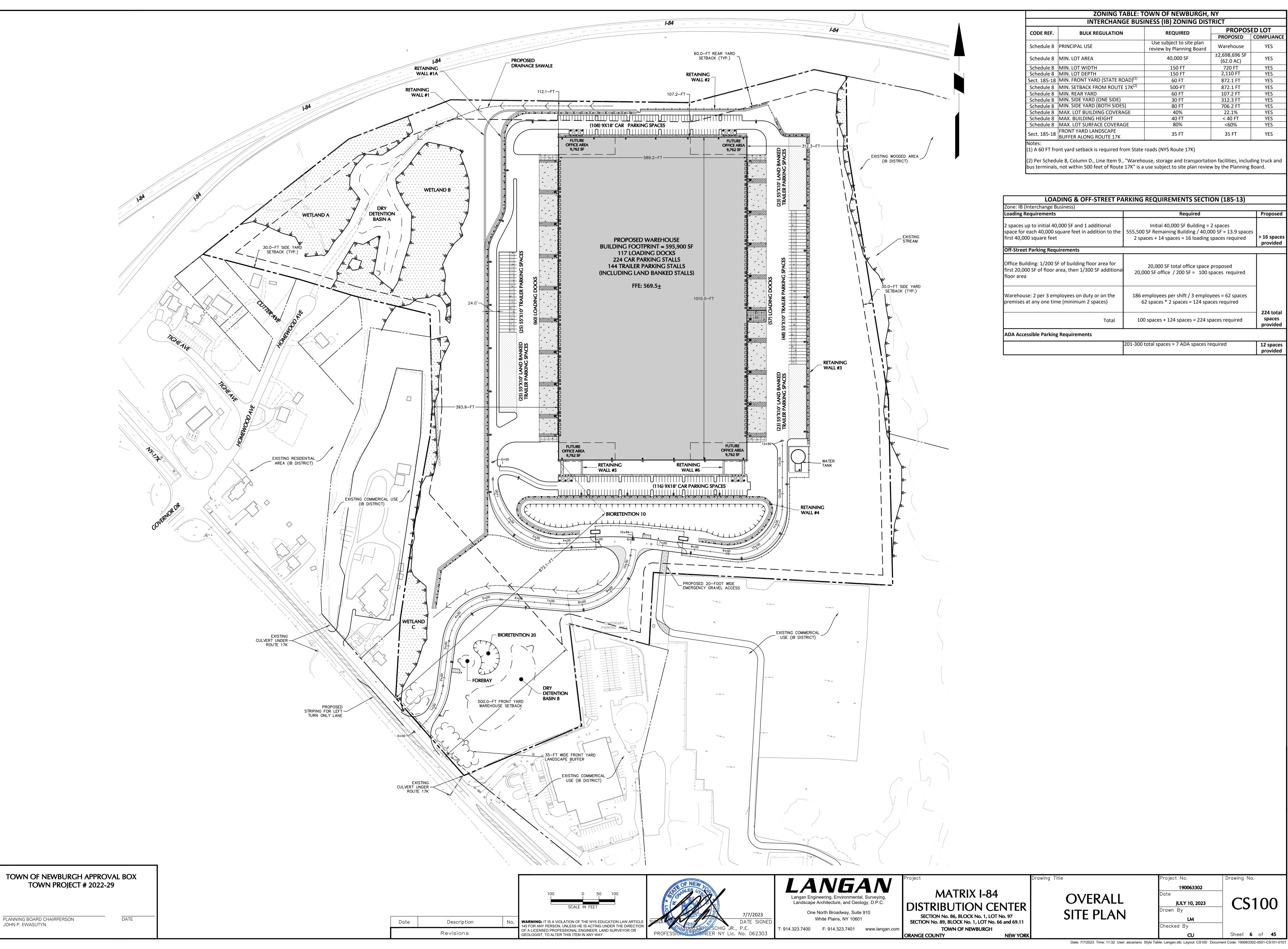
SITE REMOVALS PLAN

Checked By

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		OWN OF NEWBURGH,		
	INTERCHANGE BUS	INESS (IB) ZONING DIST	RICT	
CODE REF.	BULK REGULATION	REQUIRED	PROPOSED LOT	
CODE REI.	DOER REGULATION		PROPOSED	COMPLIANC
Schedule 8	PRINCIPAL USE	Use subject to site plan review by Planning Board	Warehouse	YES
Schedule 8	MIN. LOT AREA	40,000 SF	±2,698,696 SF (62.0 AC)	YES
Schedule 8	MIN. LOT WIDTH	150 FT	720 FT	YES
Schedule 8	MIN. LOT DEPTH	150 FT	2,110 FT	YES
Sect. 185-18	MIN. FRONT YARD (STATE ROAD) ⁽¹⁾	60 FT	872.1 FT	YES
Schedule 8	MIN. SETBACK FROM ROUTE 17K ⁽²⁾	500-FT	872.1 FT	YES
Schedule 8	MIN. REAR YARD	60 FT	107.2 FT	YES
Schedule 8	MIN. SIDE YARD (ONE SIDE)	30 FT	312.3 FT	YES
Schedule 8	MIN. SIDE YARD (BOTH SIDES)	80 FT	706.2 FT	YES
Schedule 8	MAX. LOT BUILDING COVERAGE	40%	22.1%	YES
Schedule 8	MAX. BUILDING HEIGHT	40 FT	< 40 FT	YES
Schedule 8	MAX. LOT SURFACE COVERAGE	80%	<60%	YES
Sect. 185-18	FRONT YARD LANDSCAPE	35 FT	35 FT	YFS

(1) A 60 FT front yard setback is required from State roads (NYS Route 17K)

(2) Per Schedule 8, Column D., Line Item 9., "Warehouse, storage and transportation facilities, including truck and bus terminals, not within 500 feet of Route 17K" is a use subject to site plan review by the Planning Board.

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Drawing No.

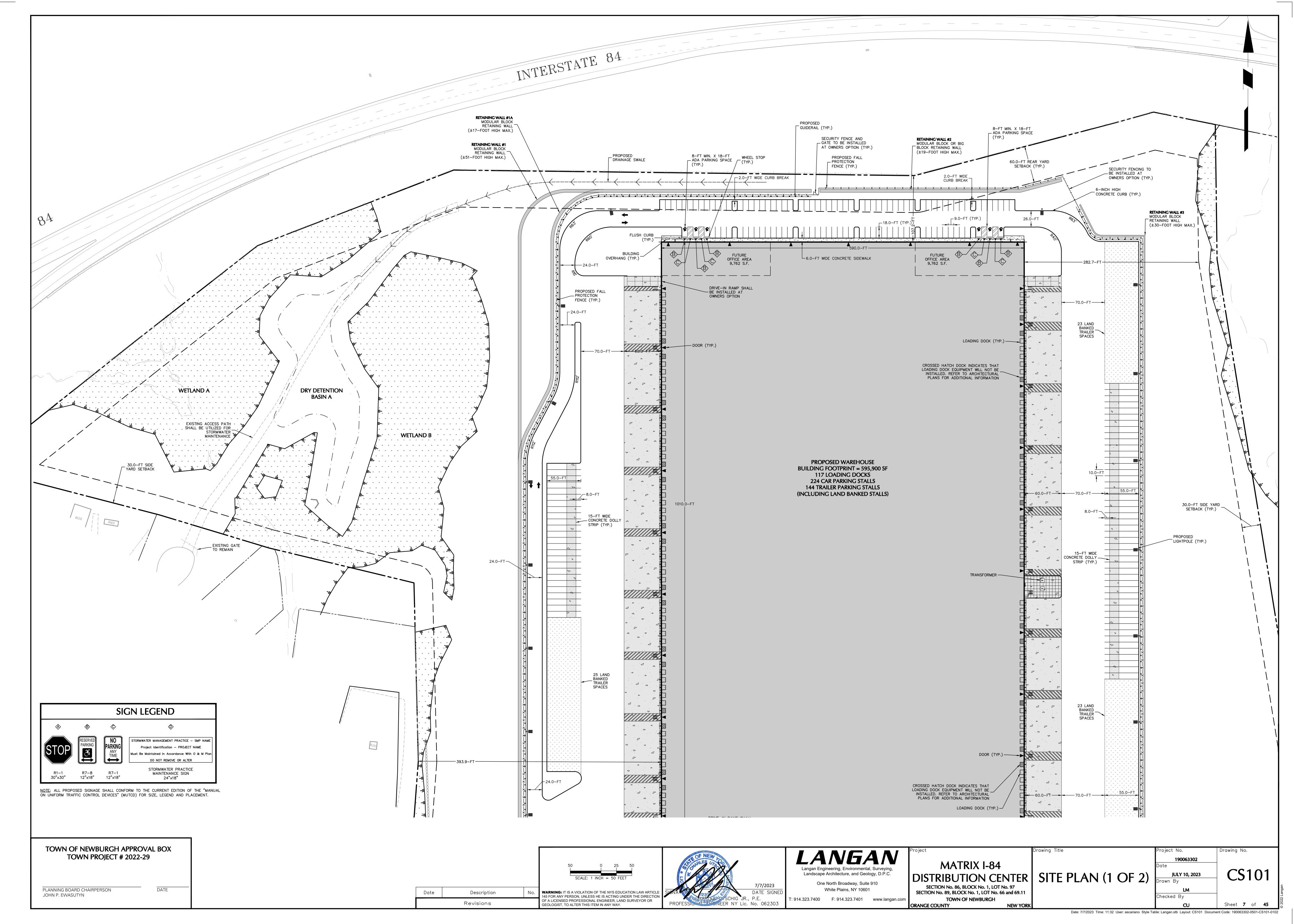
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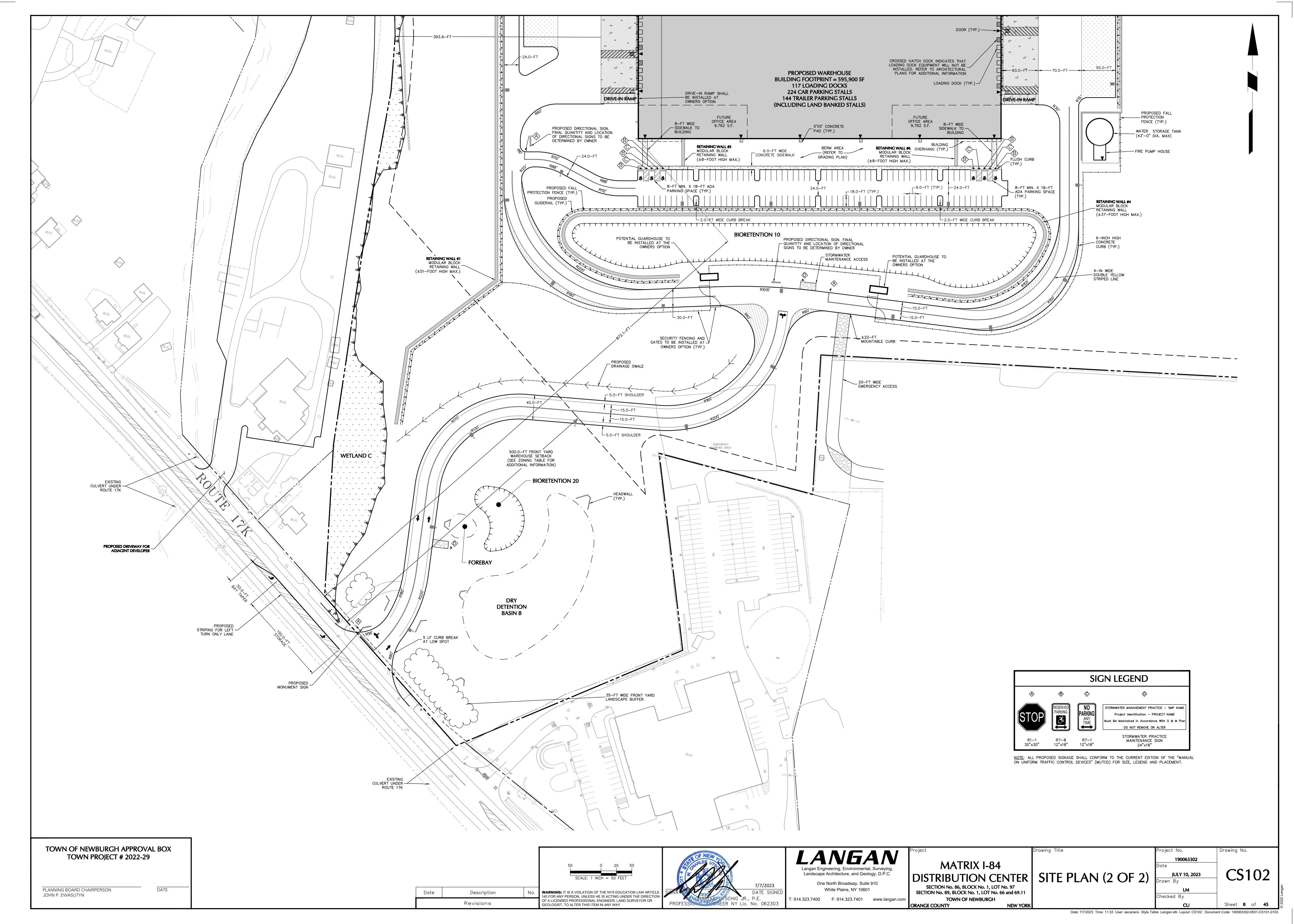
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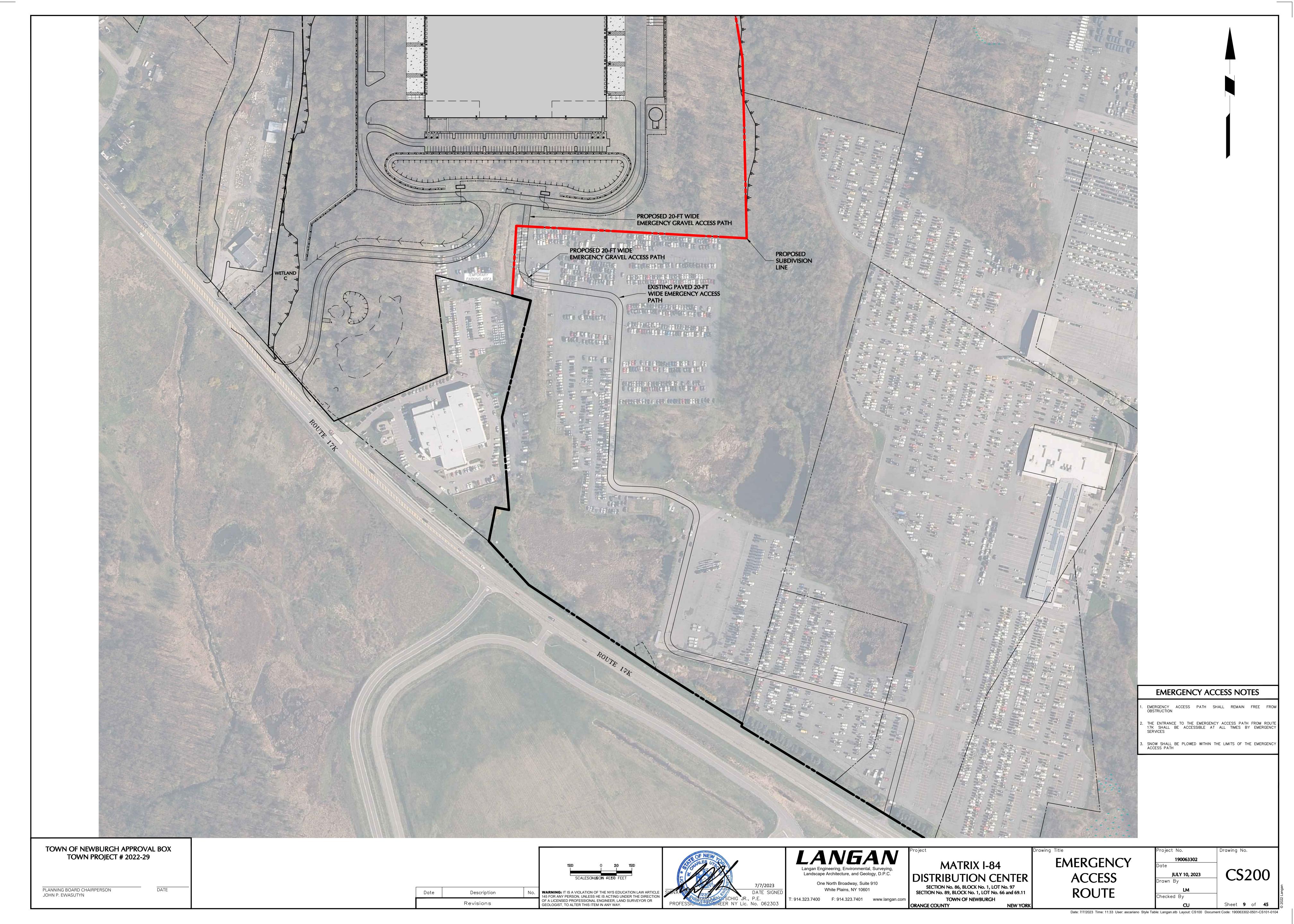
JULY 10, 2023

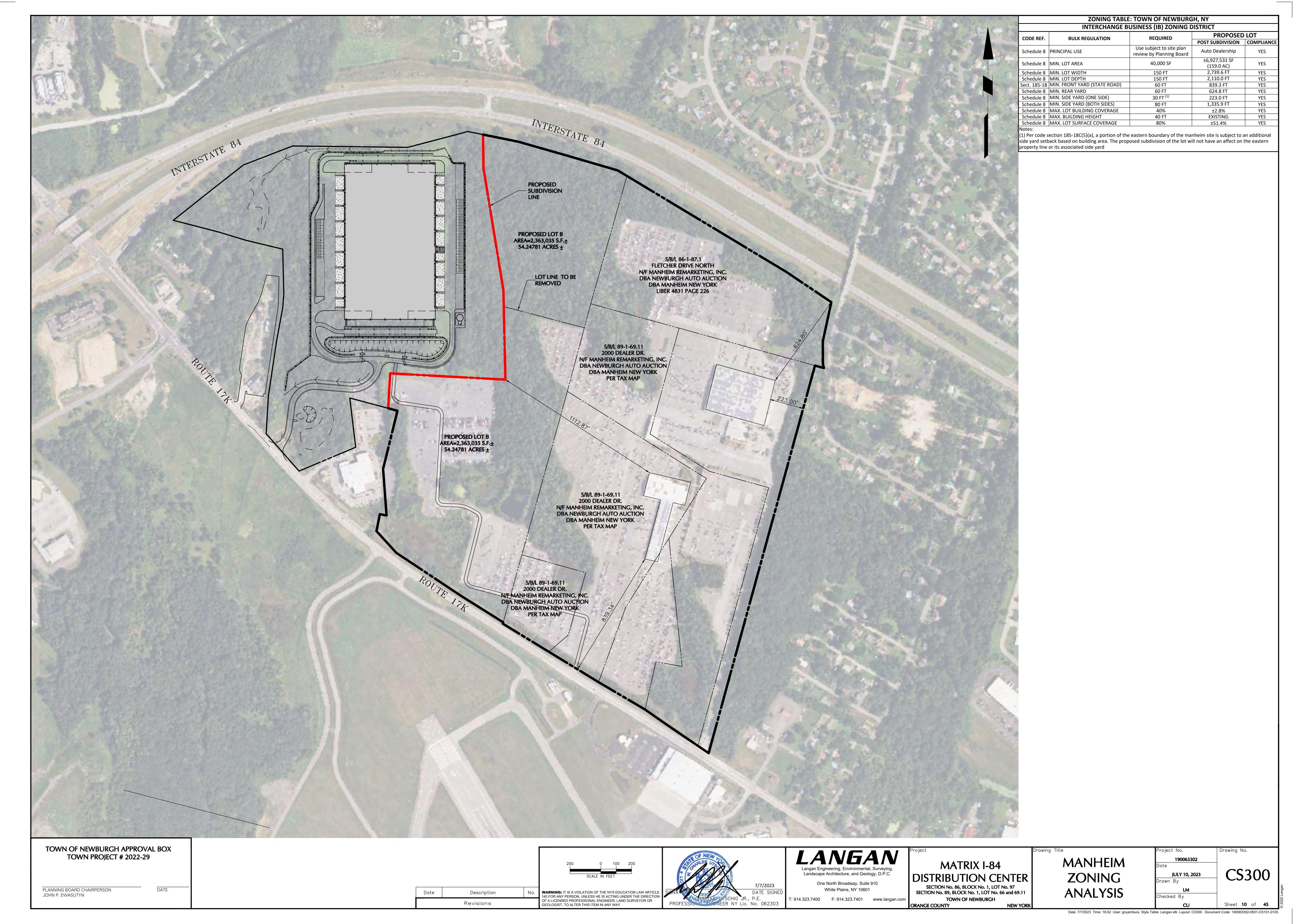
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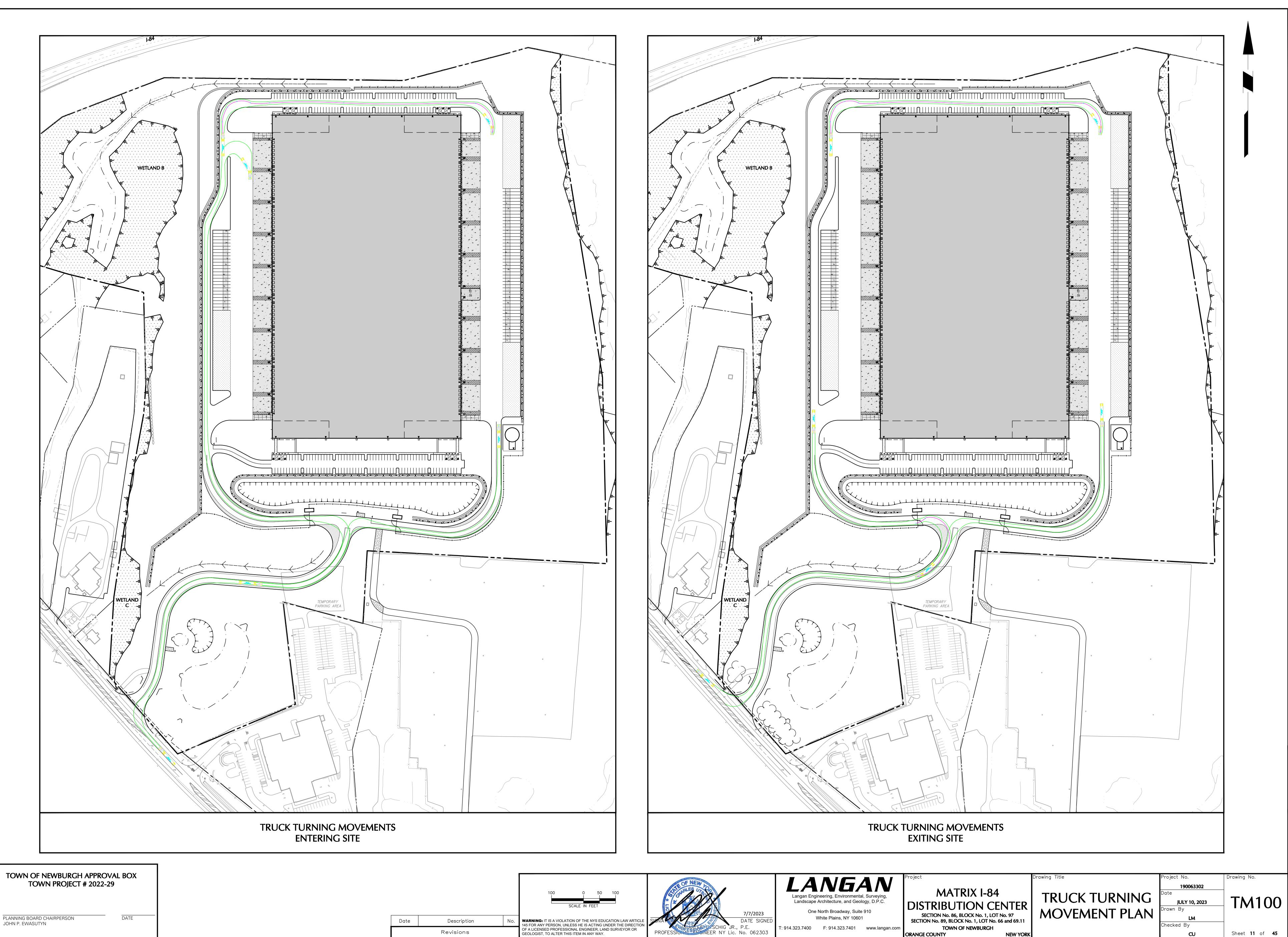
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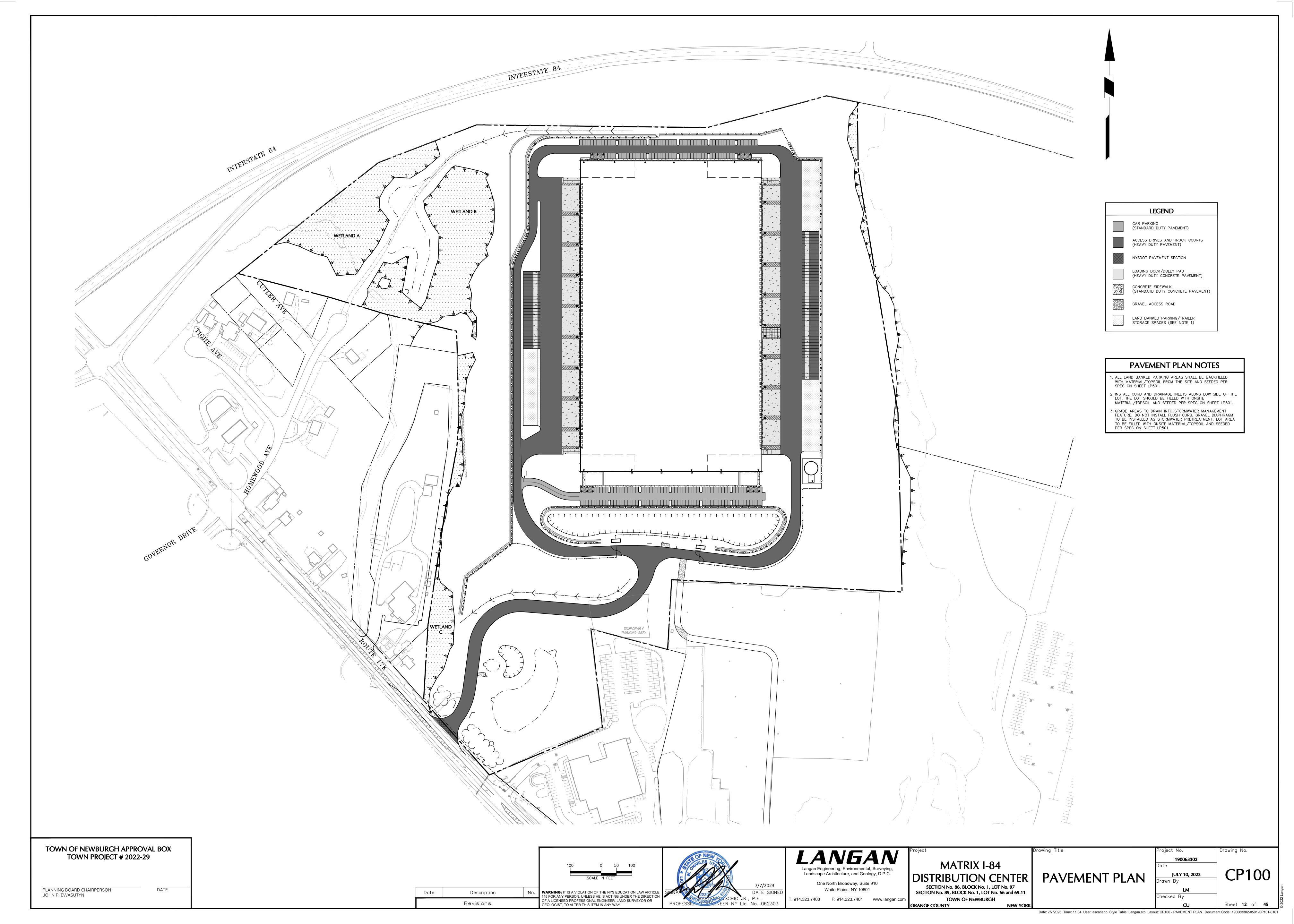


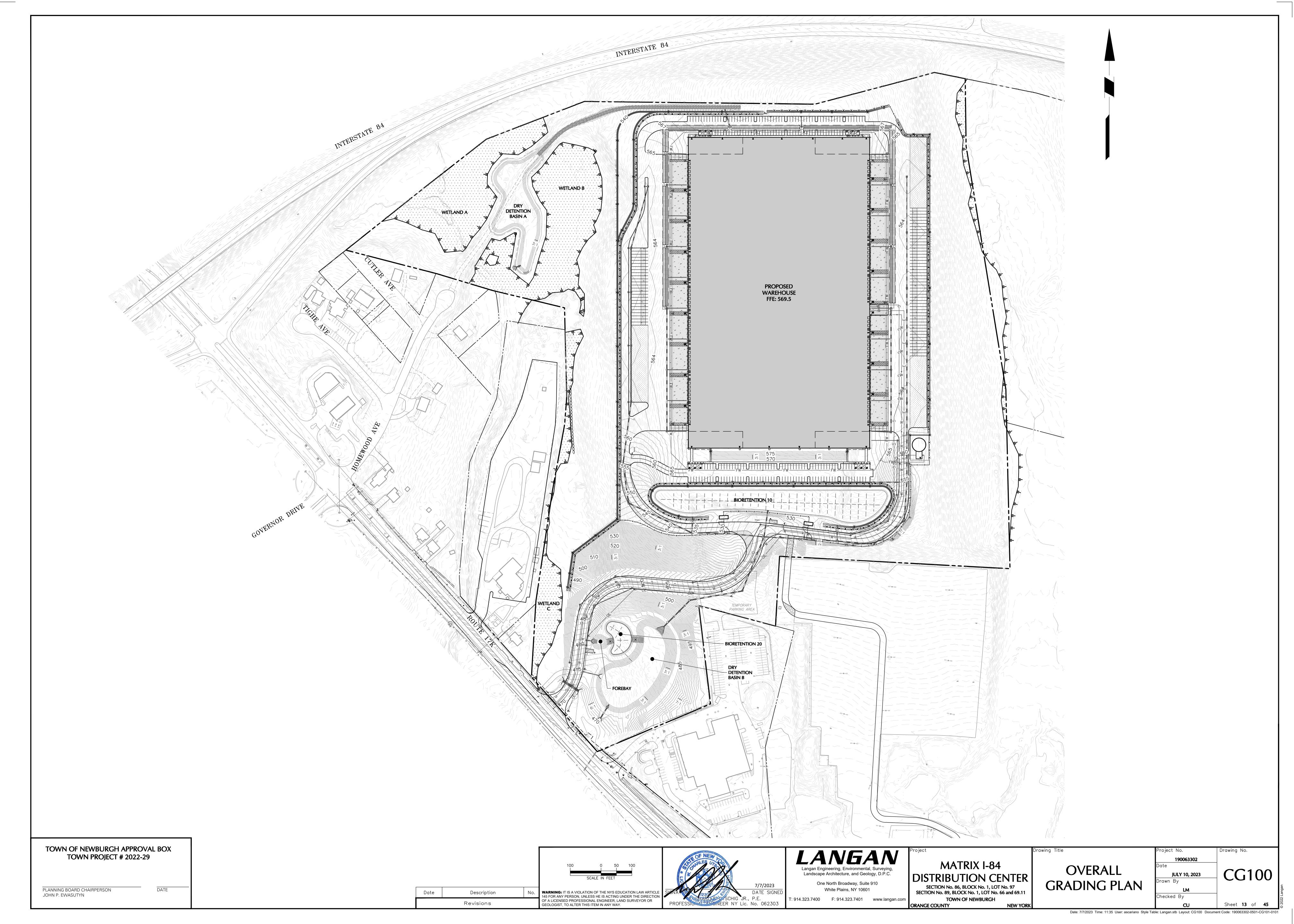


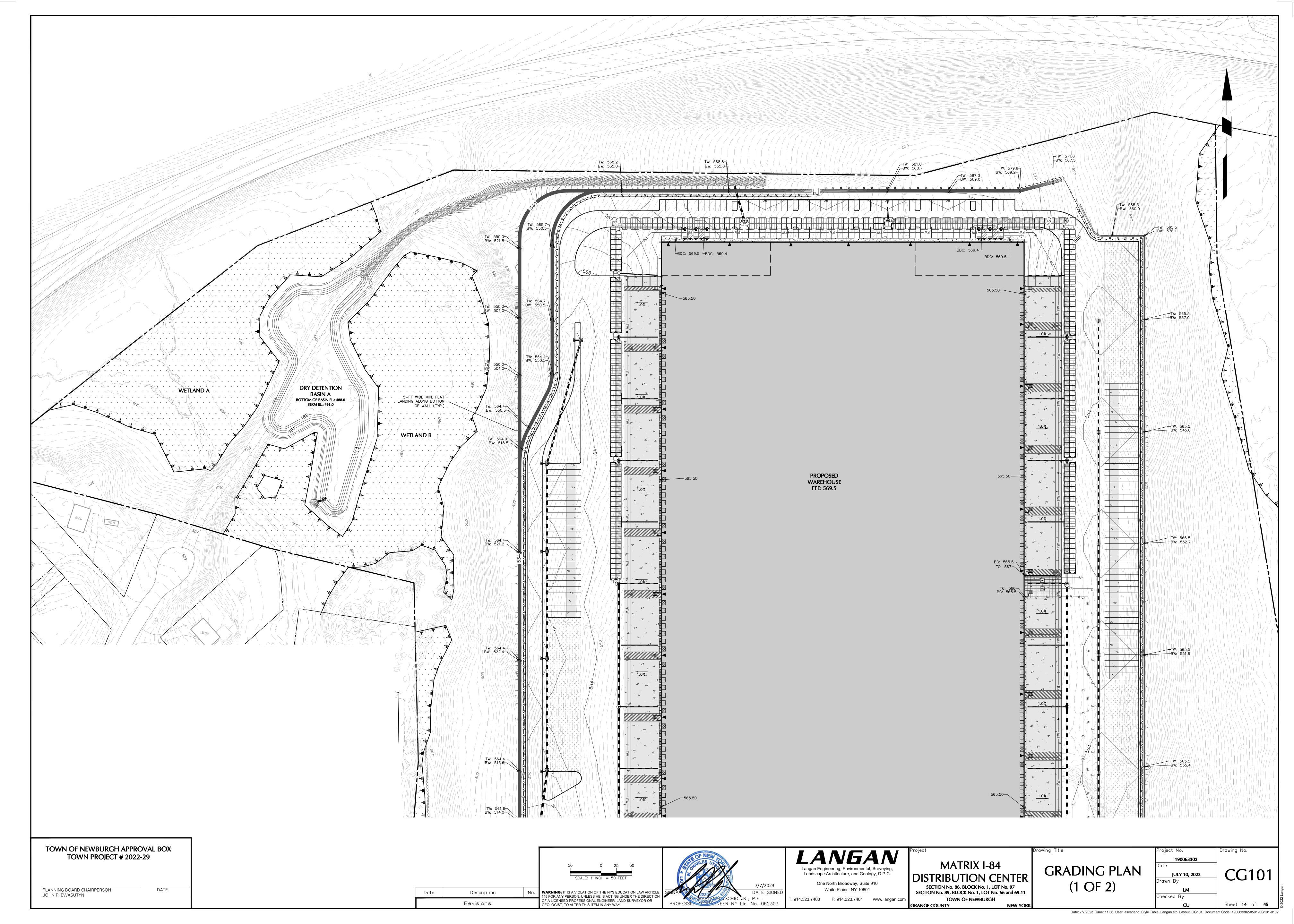


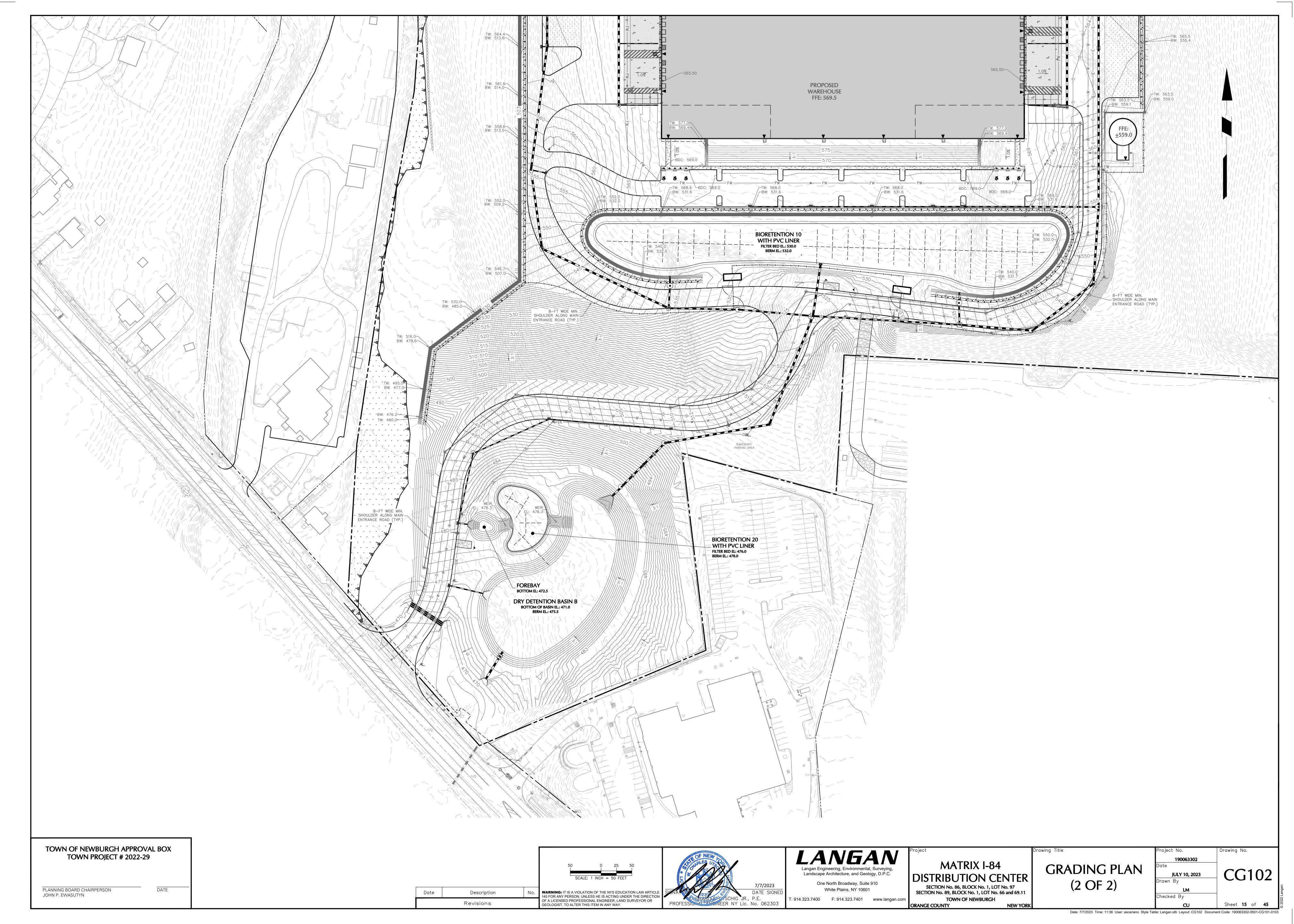


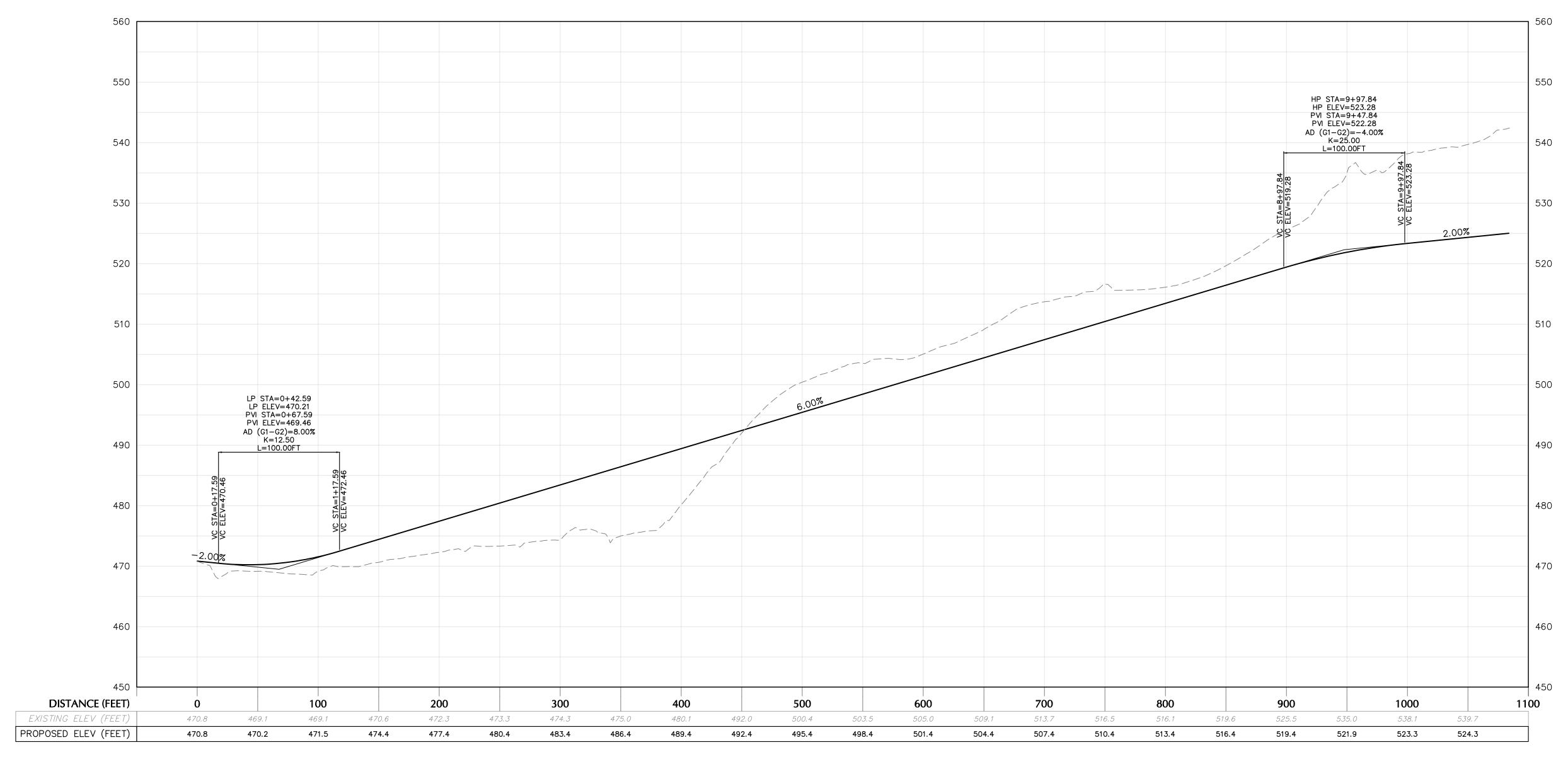
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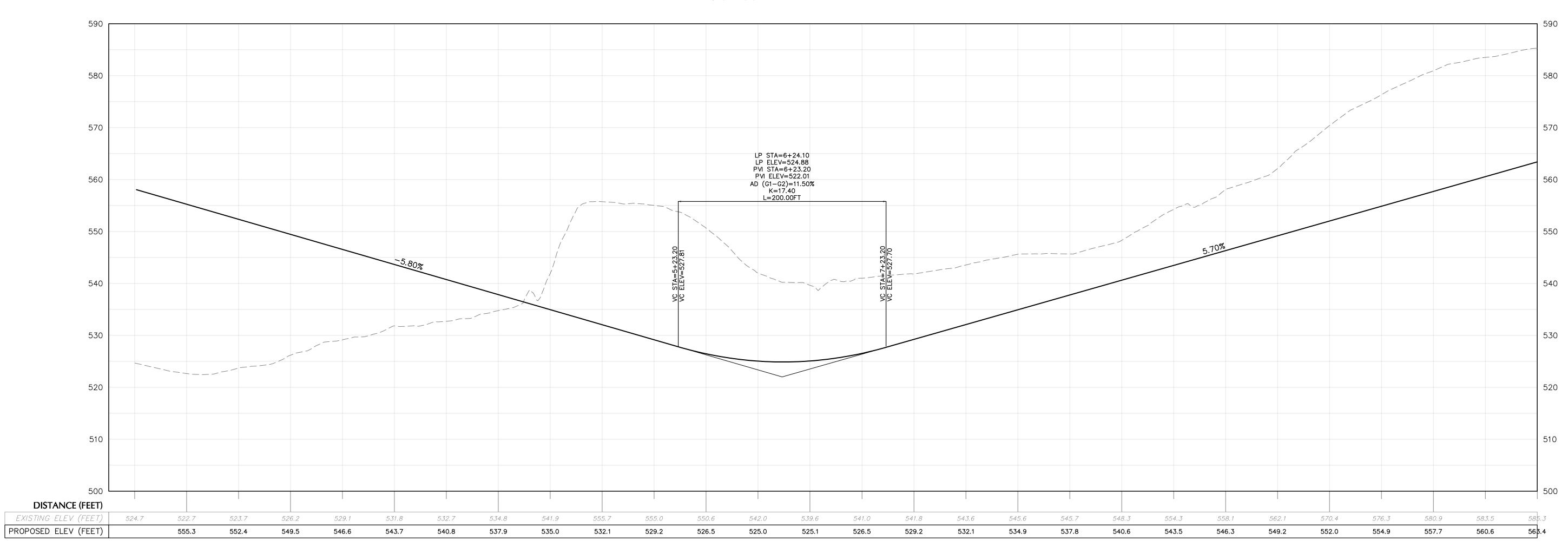








ENTRANCE ROAD PROFILE SCALE: H: 1"=50' V: 1'=10'



MAIN ENTRANCE LOOP ROAD SCALE: H: 1"=50' V: 1'=10'

TOWN OF NEWBURGH APPROVAL BOX TOWN PROJECT # 2022-29

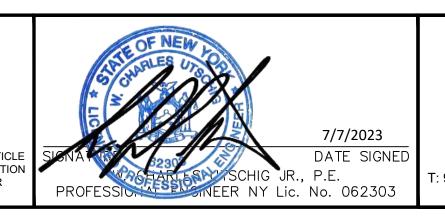
PLANNING BOARD CHAIRPERSON DATE JOHN P. EWASUTYN

Date Description No.

Revisions

H: 50 0 25 50
V: 10 0 5 10
SCALE IN FEET

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Project

MATRIX

DISTRIBUTIO

SECTION No. 86, BLOCK
SECTION No. 89, BLOCK No.
TOWN OF NE

MATRIX I-84
DISTRIBUTION CENTER
SECTION No. 86, BLOCK No. 1, LOT No. 97
SECTION No. 89, BLOCK No. 1, LOT No. 66 and 69.11
TOWN OF NEWBURGH
ORANGE COUNTY
NEW YORK

ROADWAY PROFILE Project No.

190063302

Date

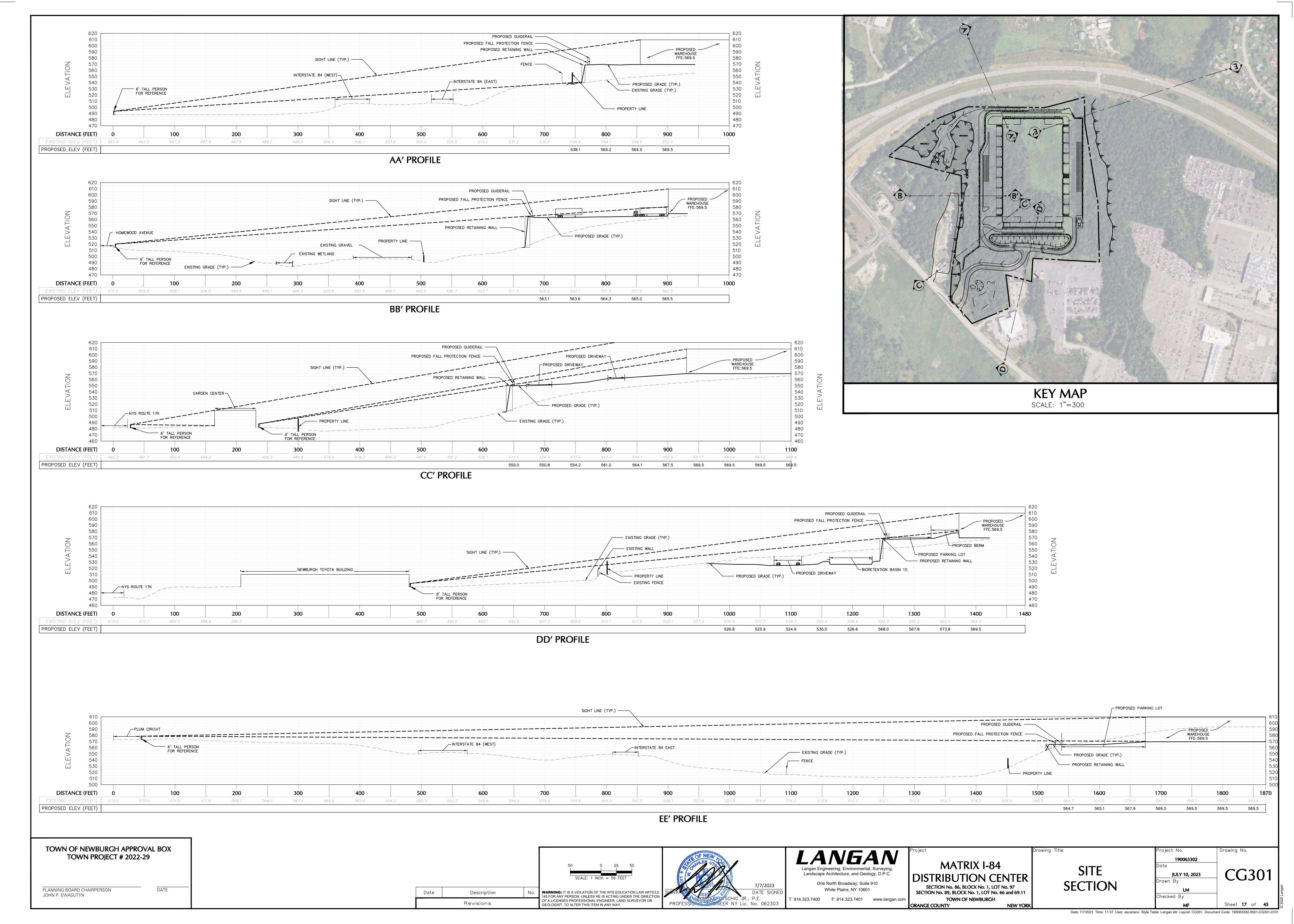
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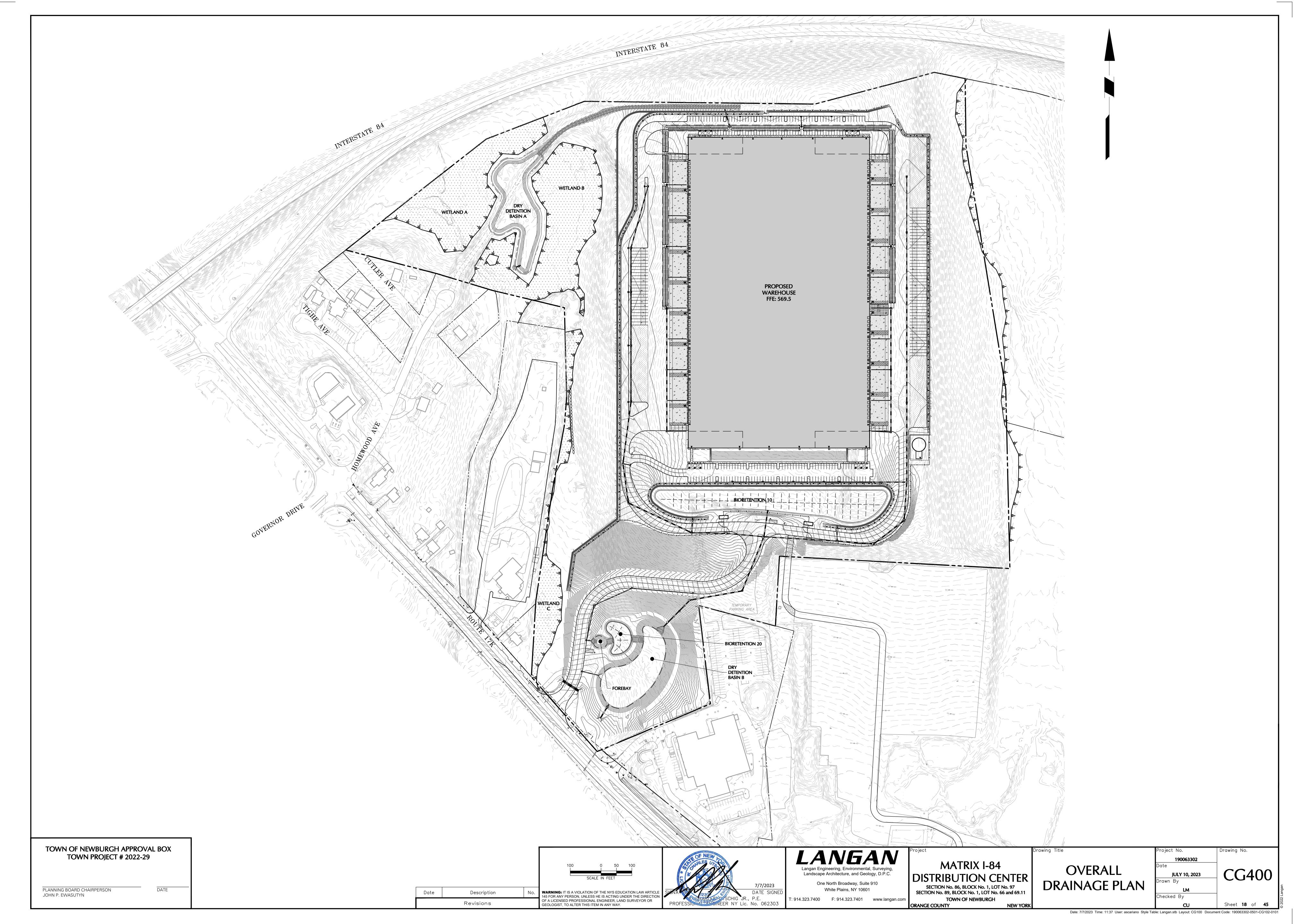
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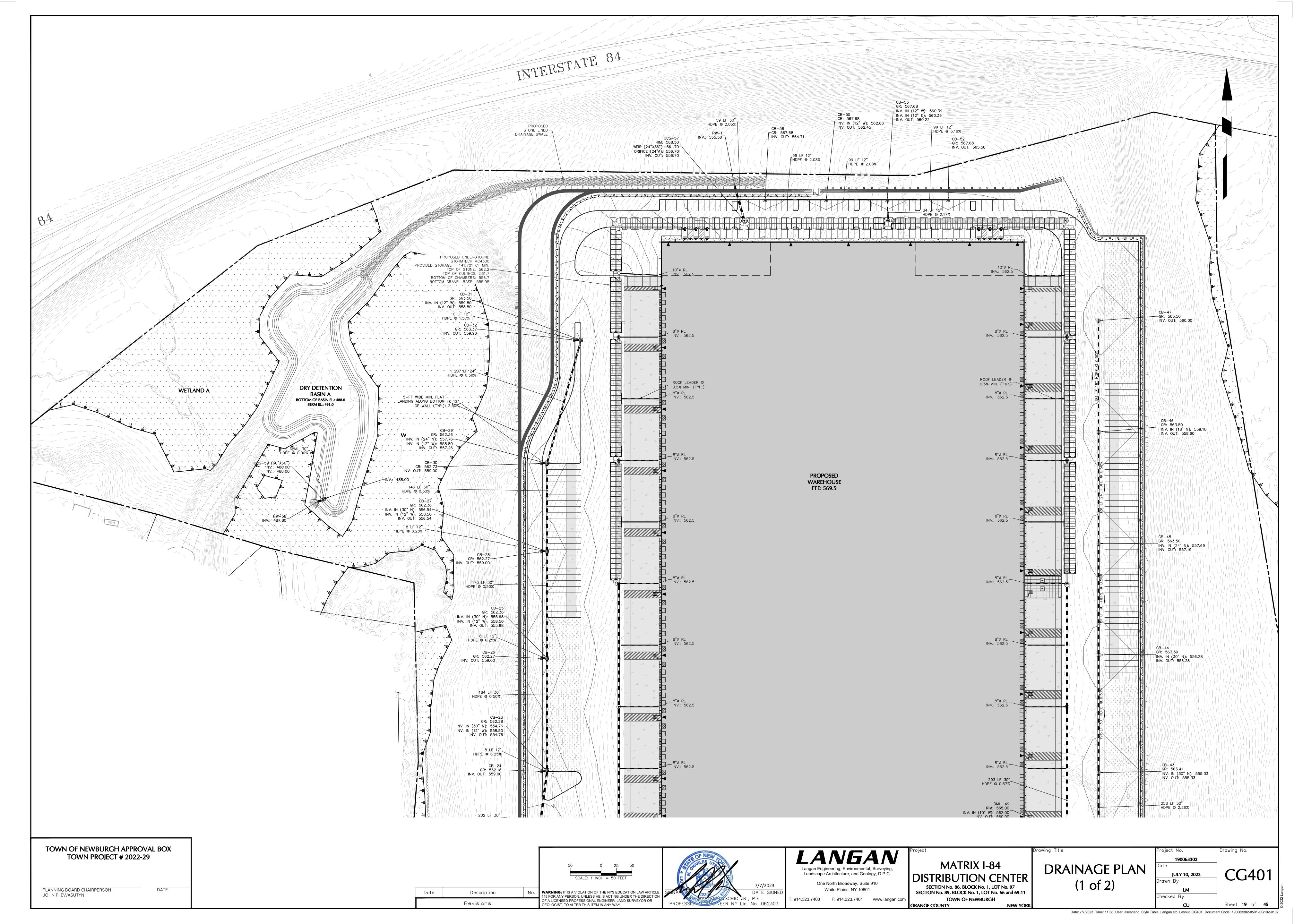
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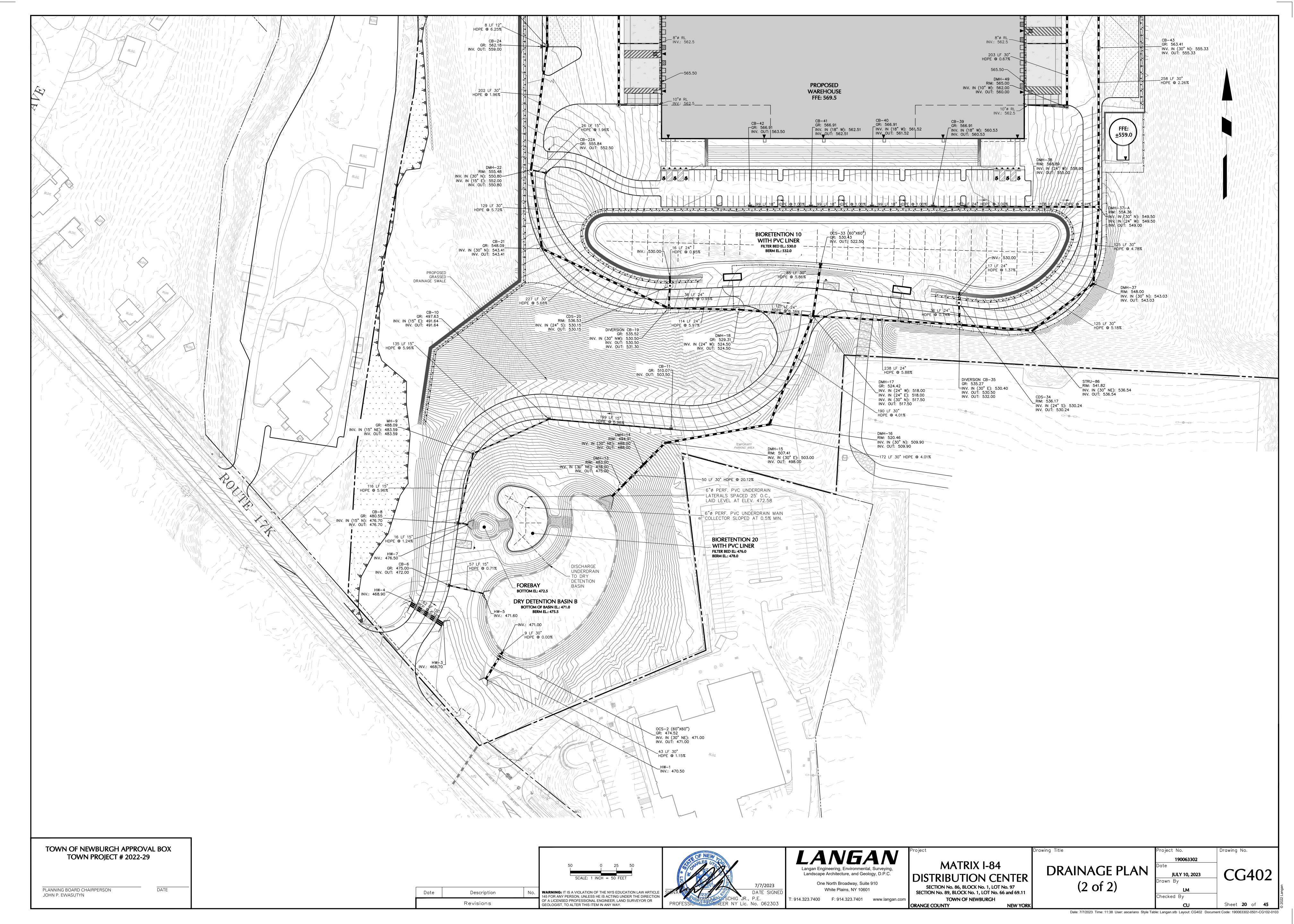
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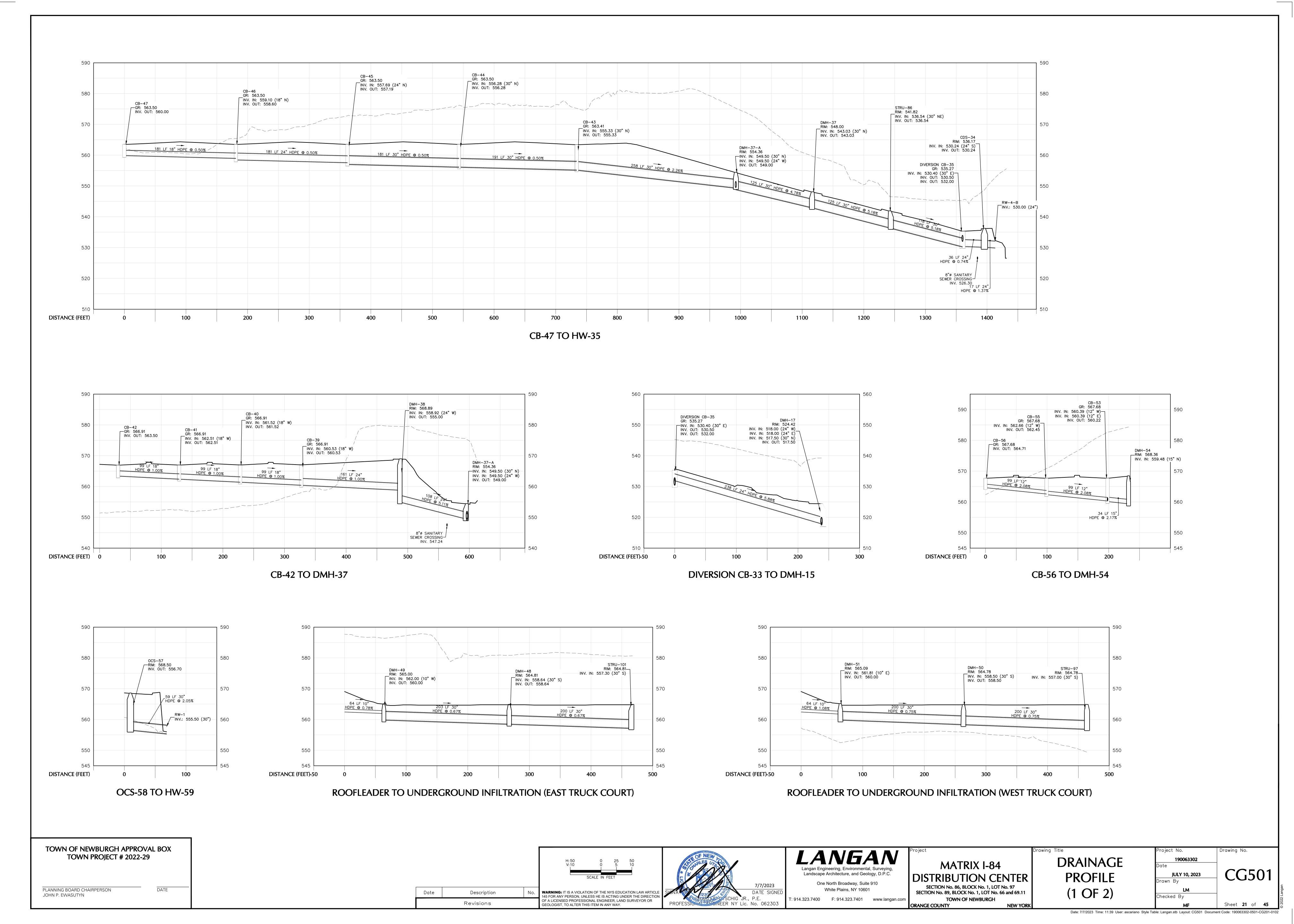
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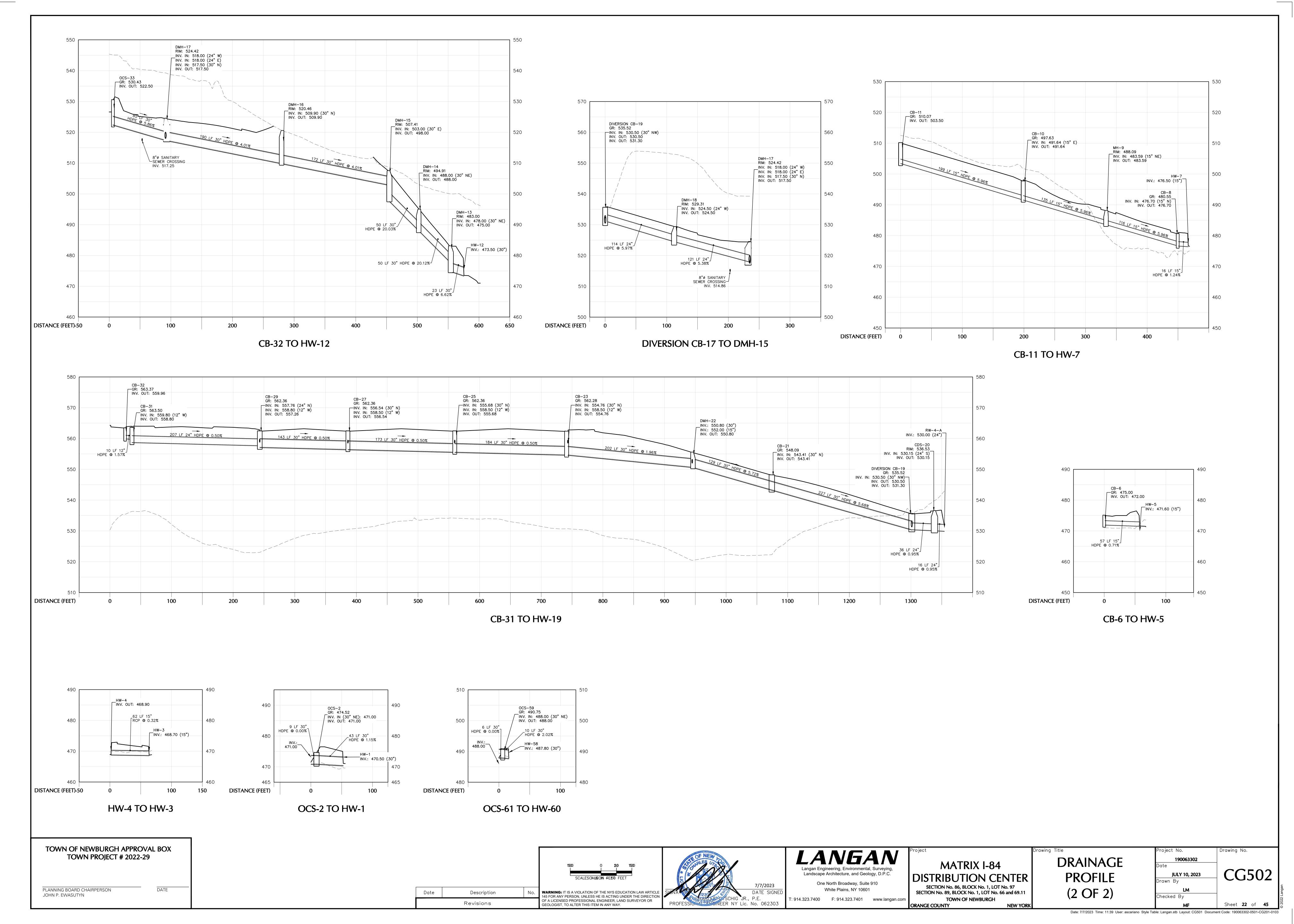


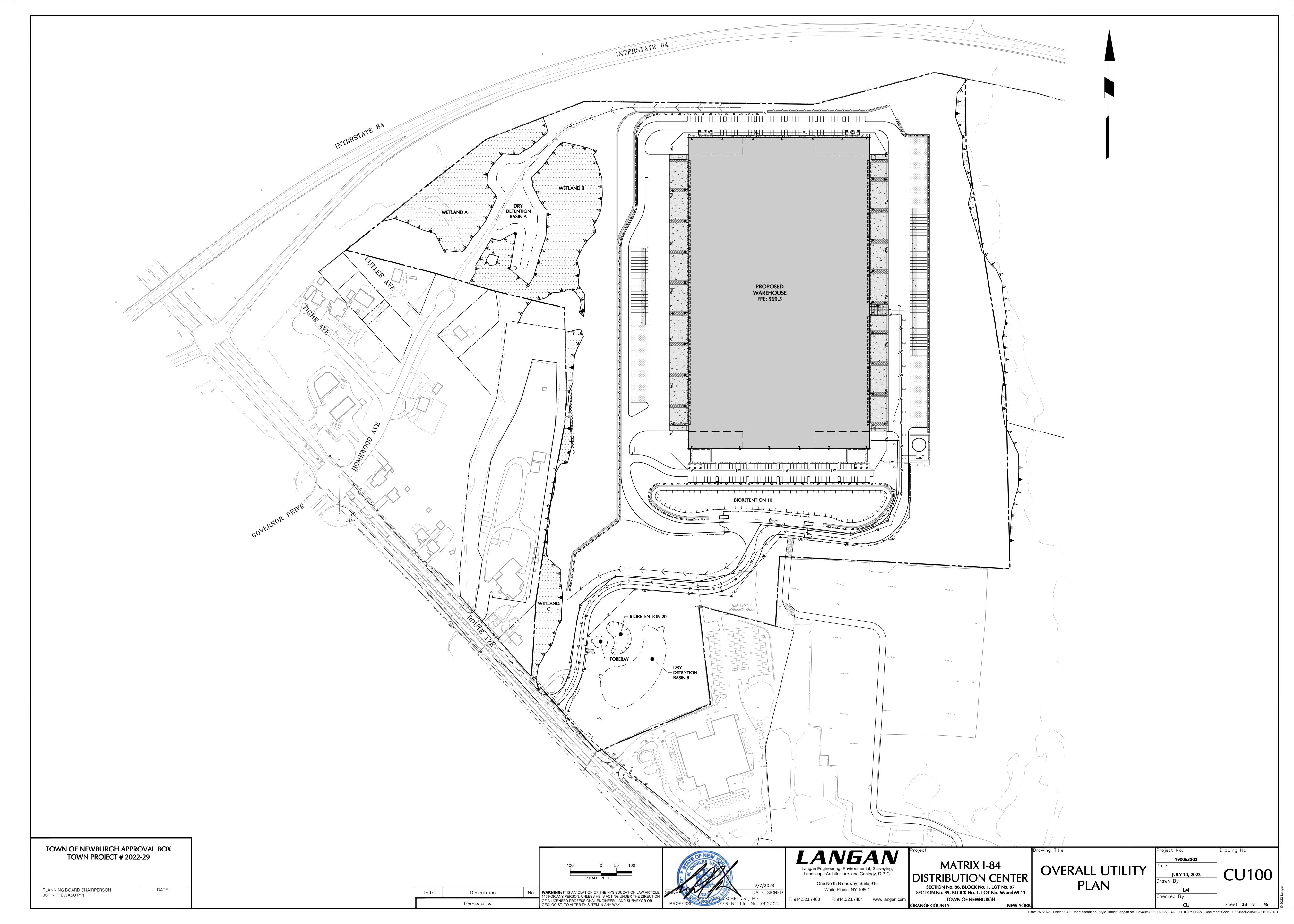


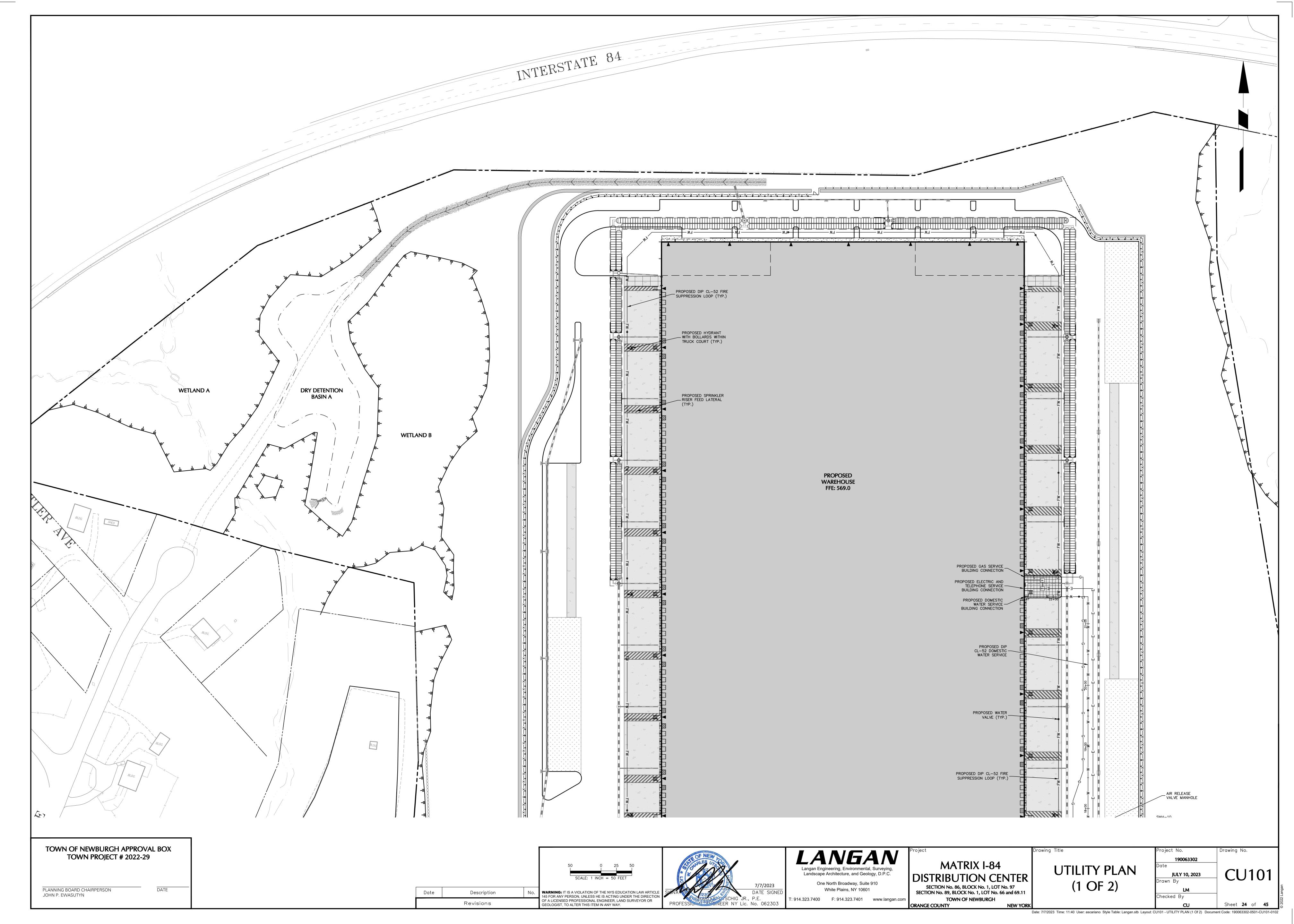


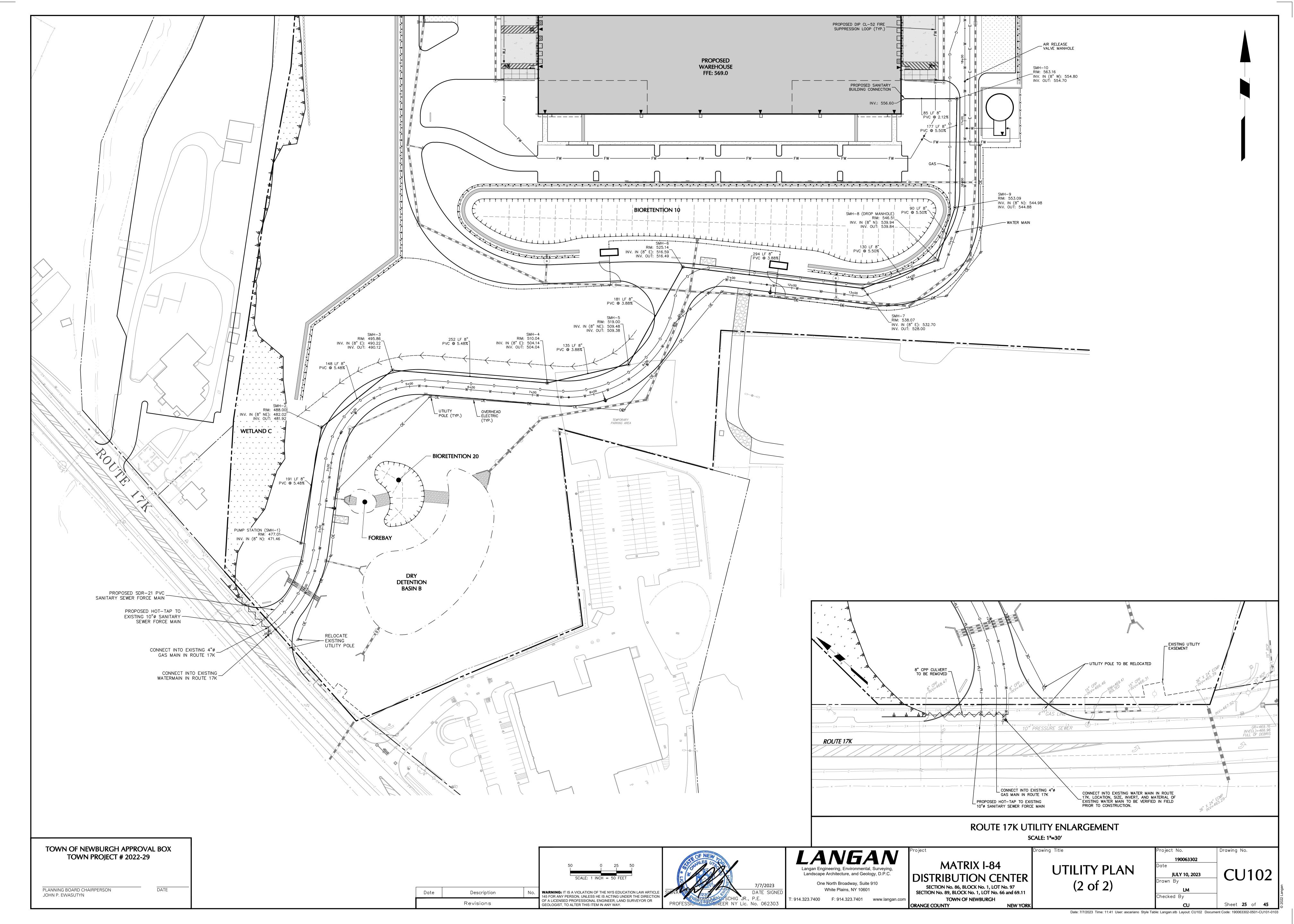


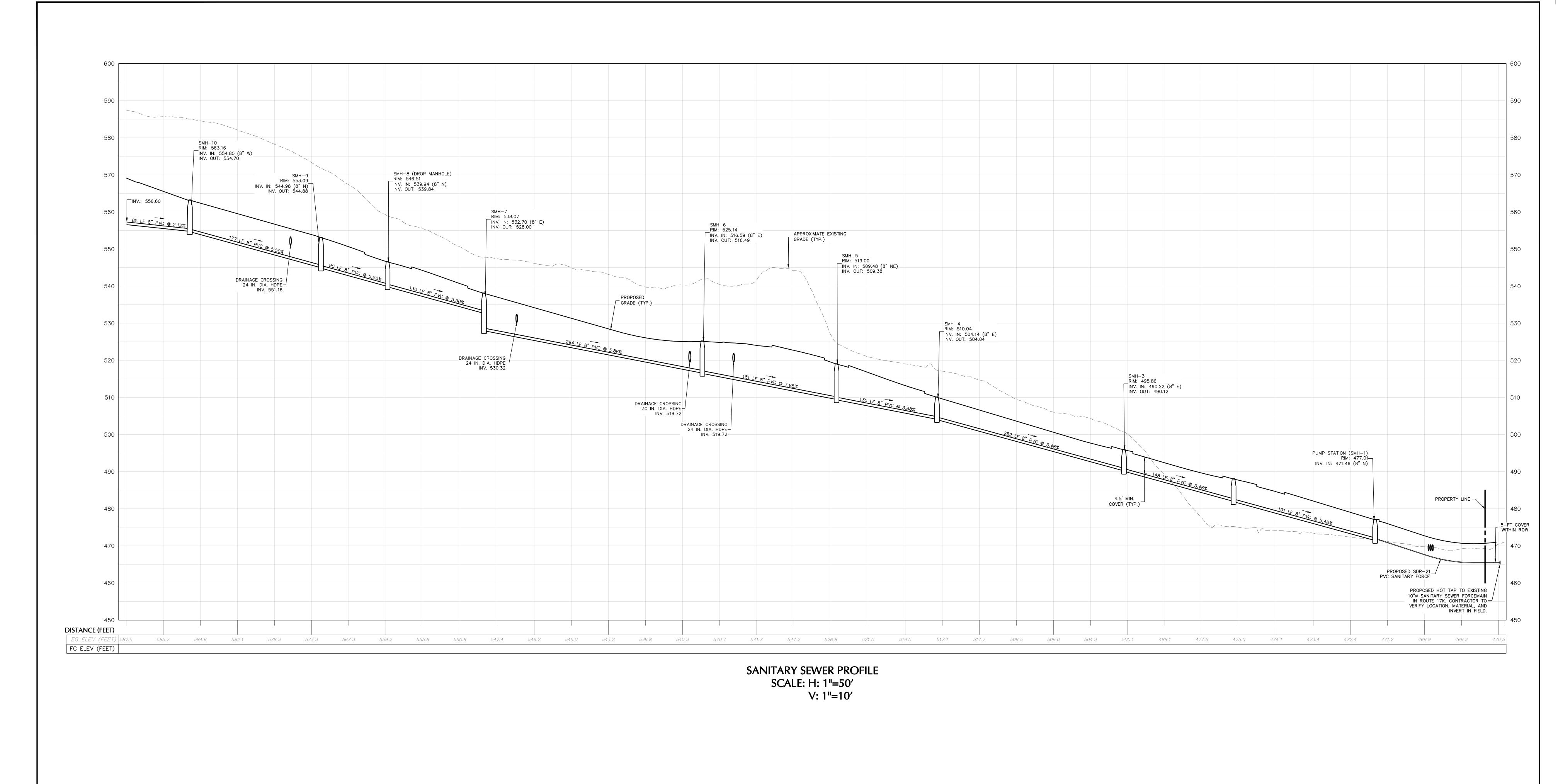








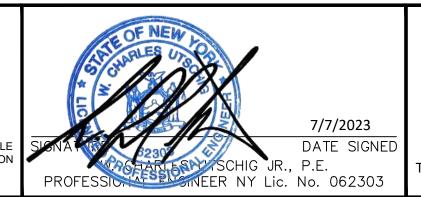




TOWN OF NEWBURGH APPROVAL BOX
TOWN PROJECT # 2022-29

PLANNING BOARD CHAIRPERSON
JOHN P. EWASUTYN

DATE



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190063302

Date

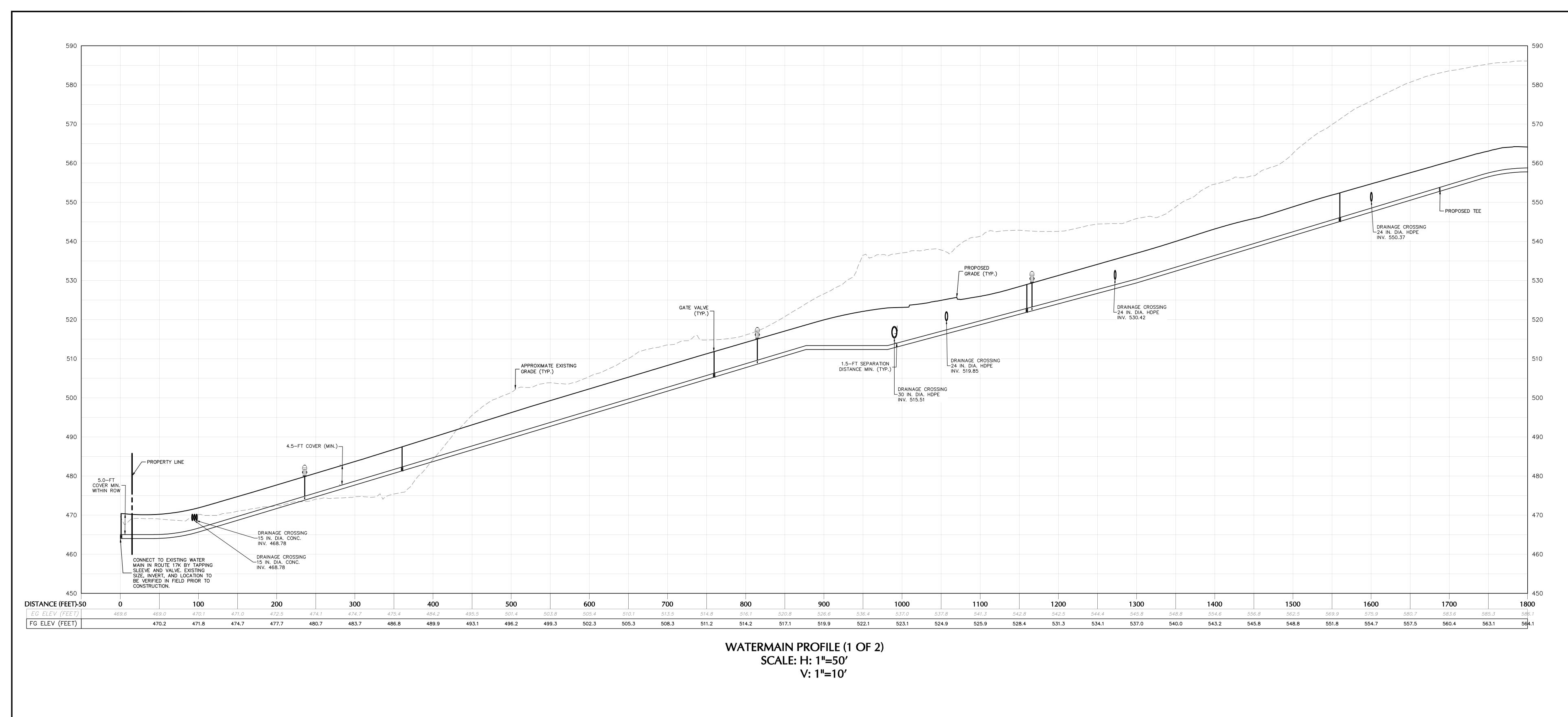
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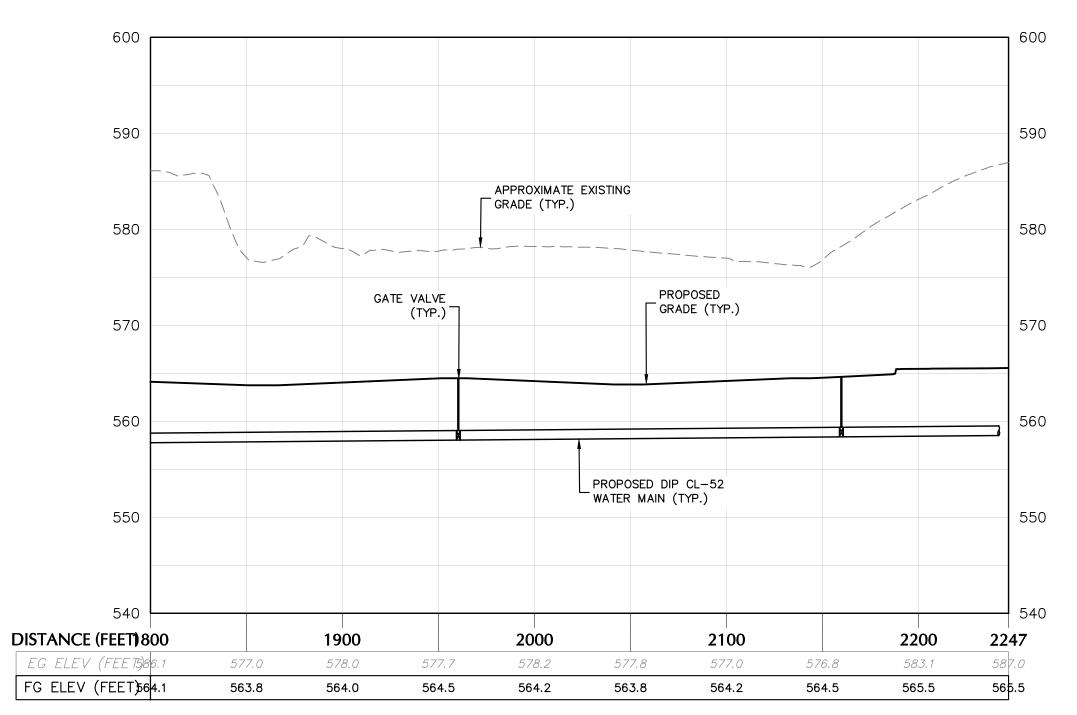
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WATERMAIN PROFILE (2 OF 2) SCALE: H: 1"=50' V: 1"=10'

TOWN OF NEWBURGH APPROVAL BOX **TOWN PROJECT # 2022-29** PLANNING BOARD CHAIRPERSON JOHN P. EWASUTYN

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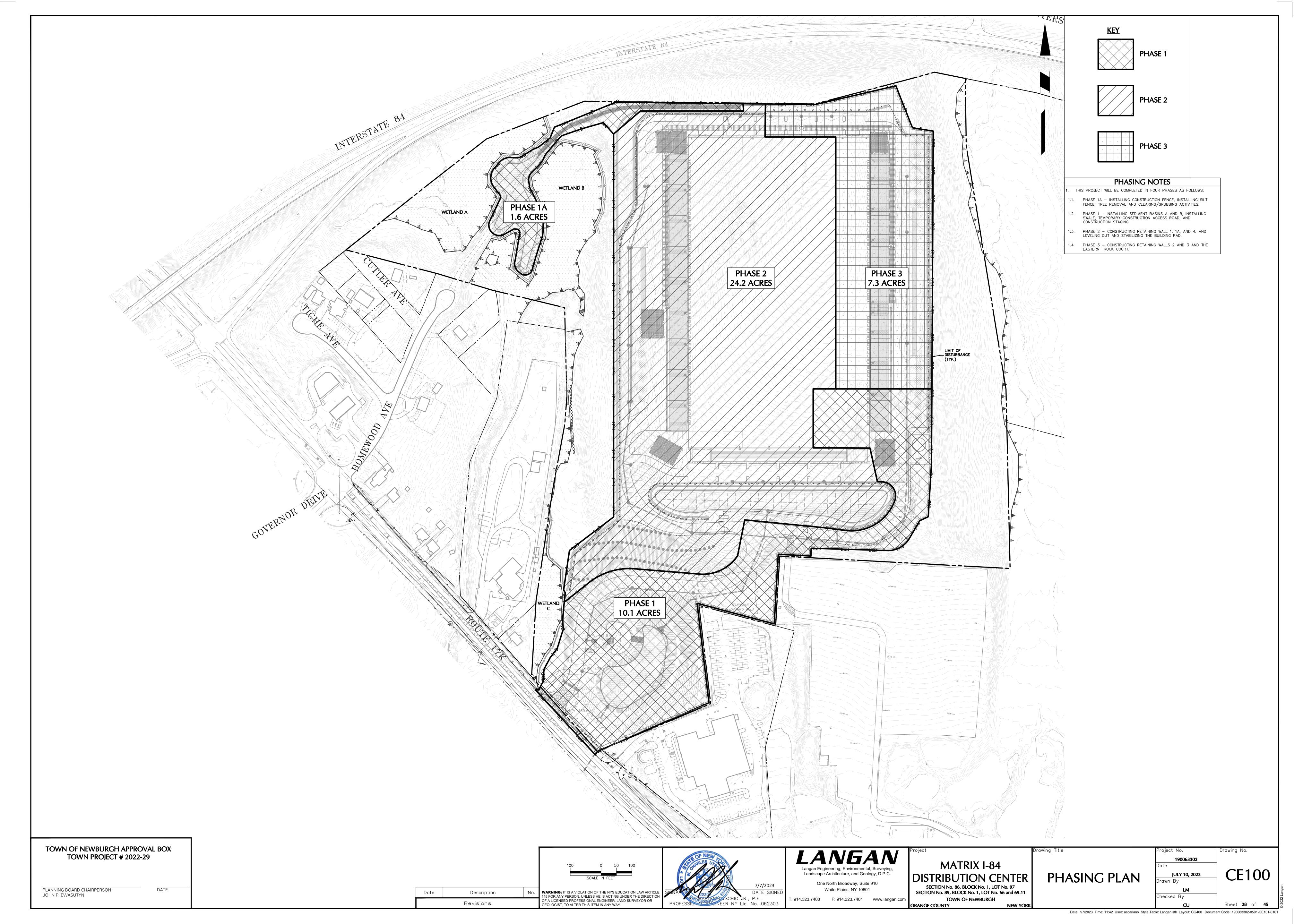


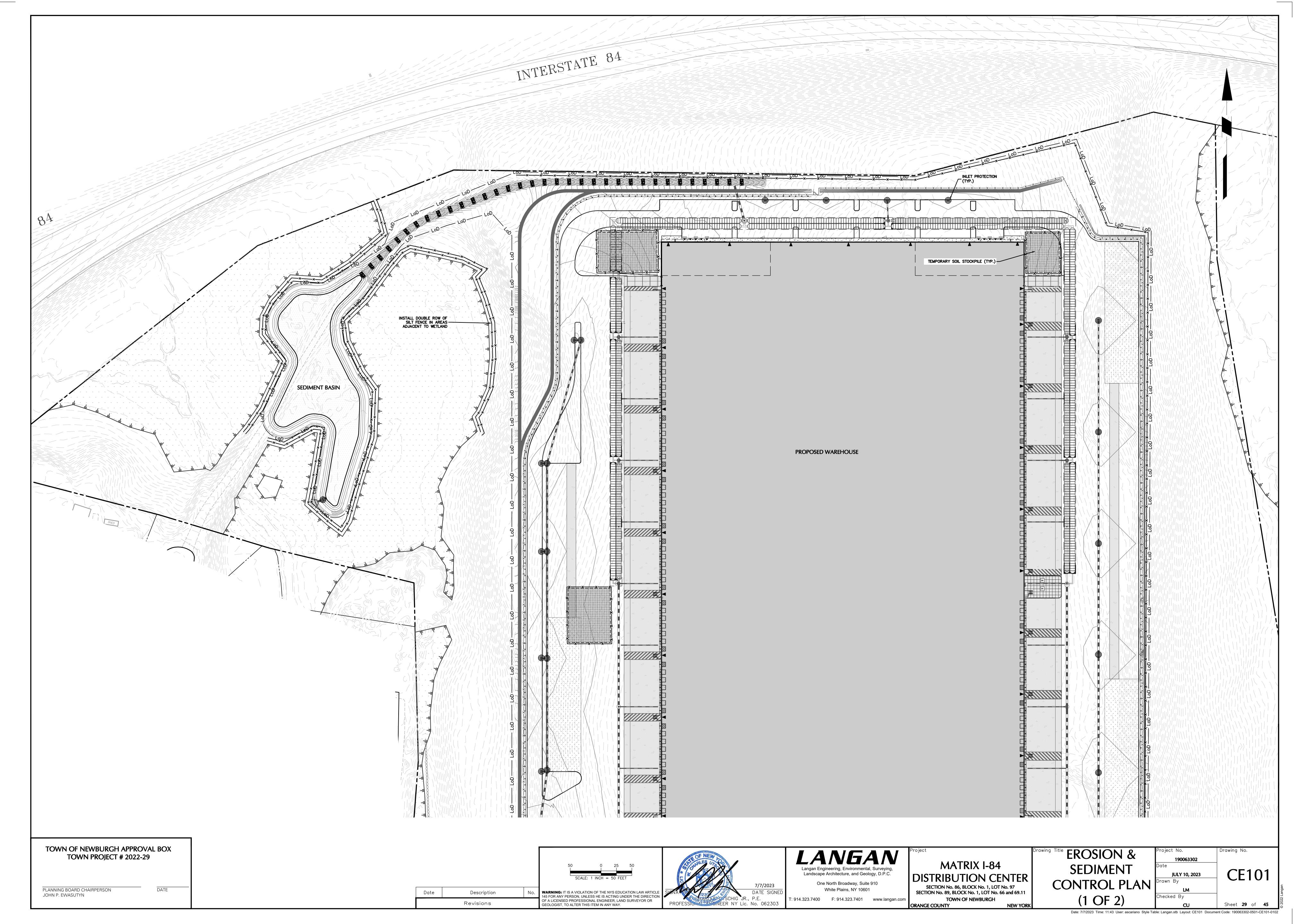
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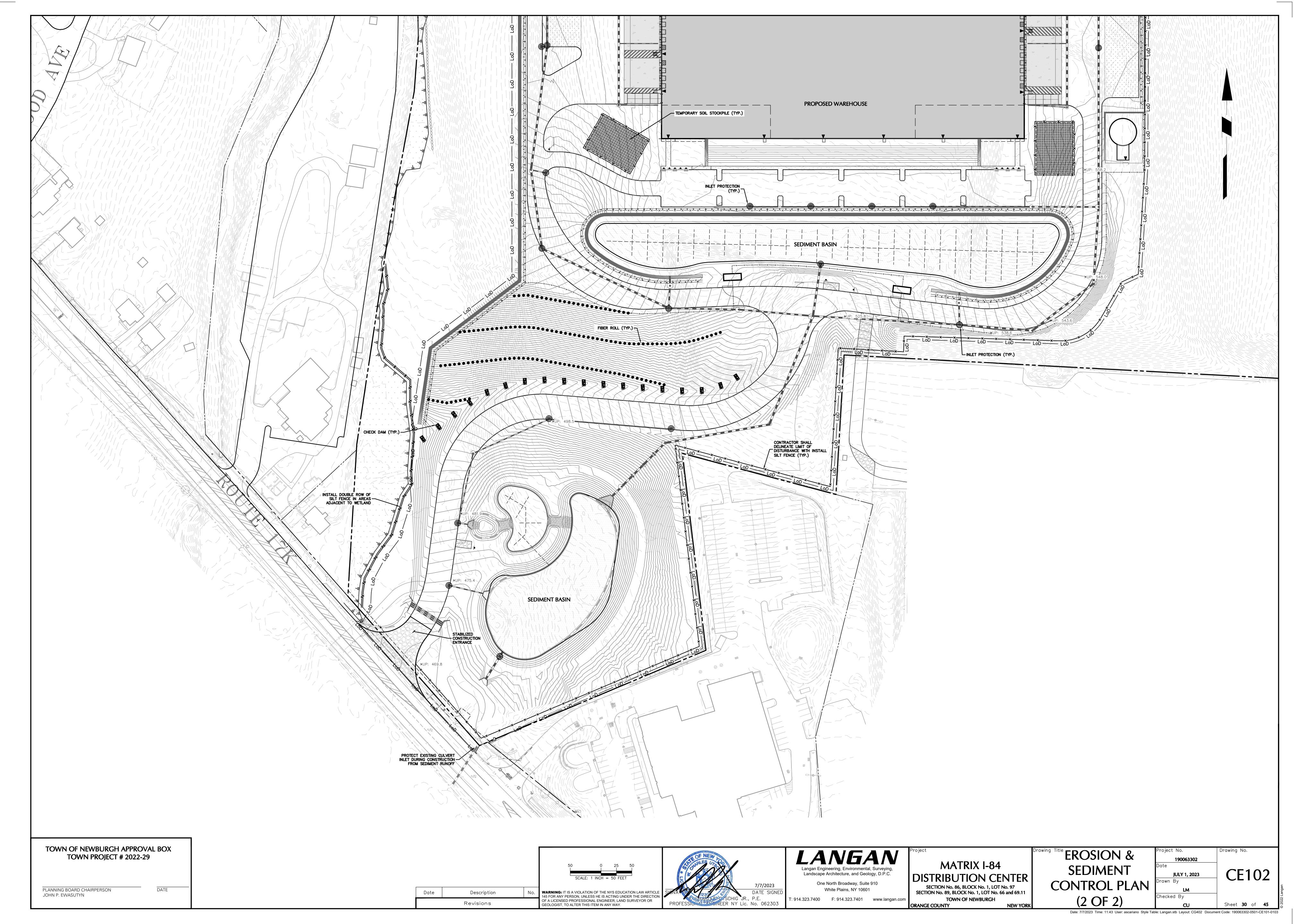
SECTION No. 86, BLOCK No. 1, LOT No. 97 SECTION No. 89, BLOCK No. 1, LOT No. 66 and 69.11 **TOWN OF NEWBURGH NEW YORK**

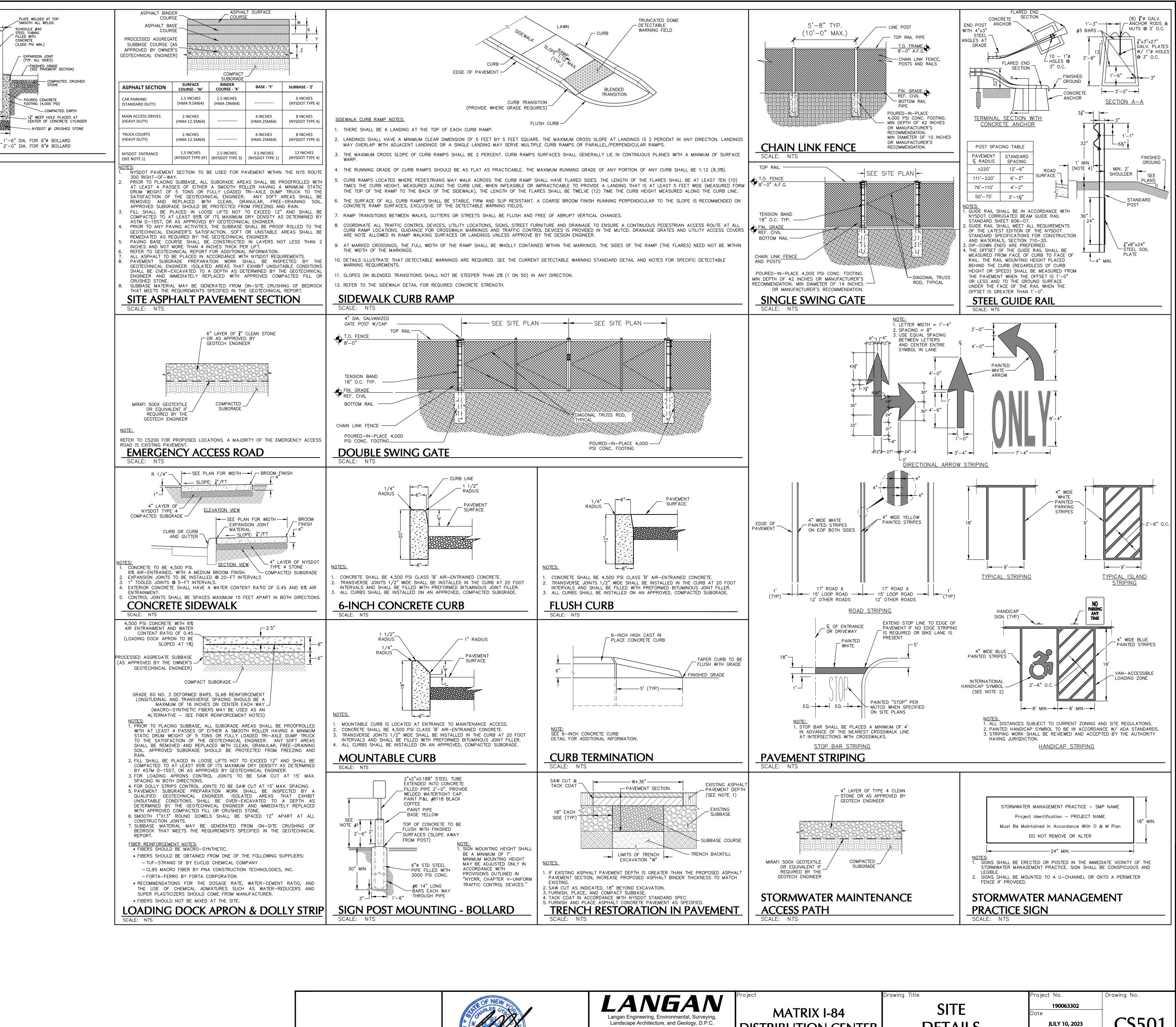
Drawing No. 190063302 WATER CU202 MAIN Drawn By **PROFILE** Checked By

Date: 7/7/2023 Time: 11:42 User: ascariano Style Table: Langan.stb Layout: CU202 Document Code: 190063302-0501-CU201-0102









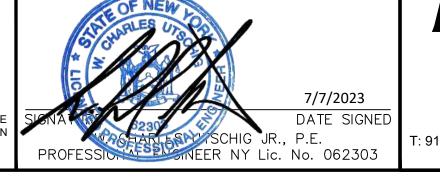
TOWN OF NEWBURGH APPROVAL BOX **TOWN PROJECT # 2022-29** PLANNING BOARD CHAIRPERSON JOHN P. EWASUTYN

VARIES REFER TO PLANS

SCALE: NTS

(6"ø OR 8"ø)

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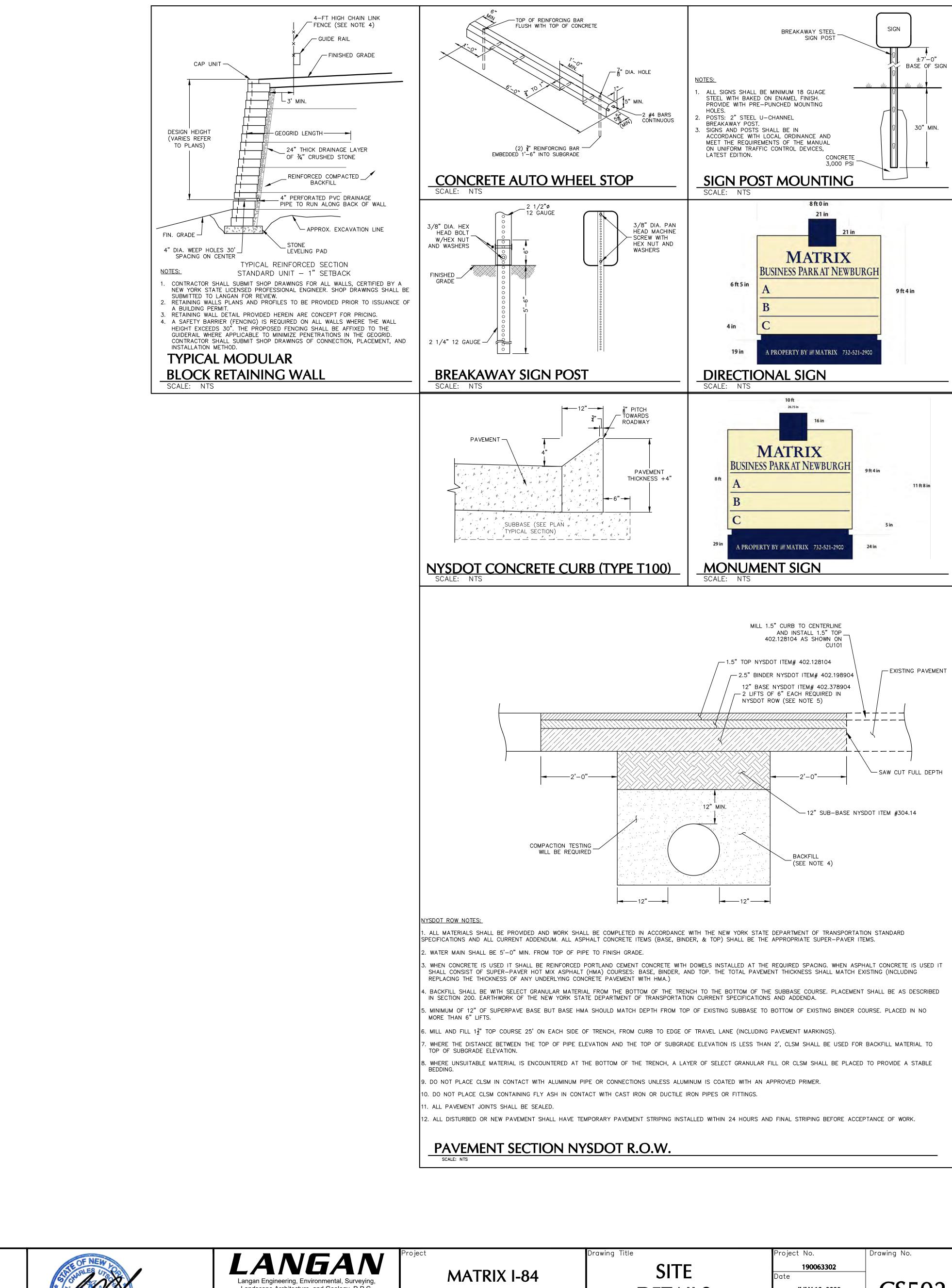


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PLANNING BOARD CHAIRPERSON

JOHN P. EWASUTYN

Description Revisions



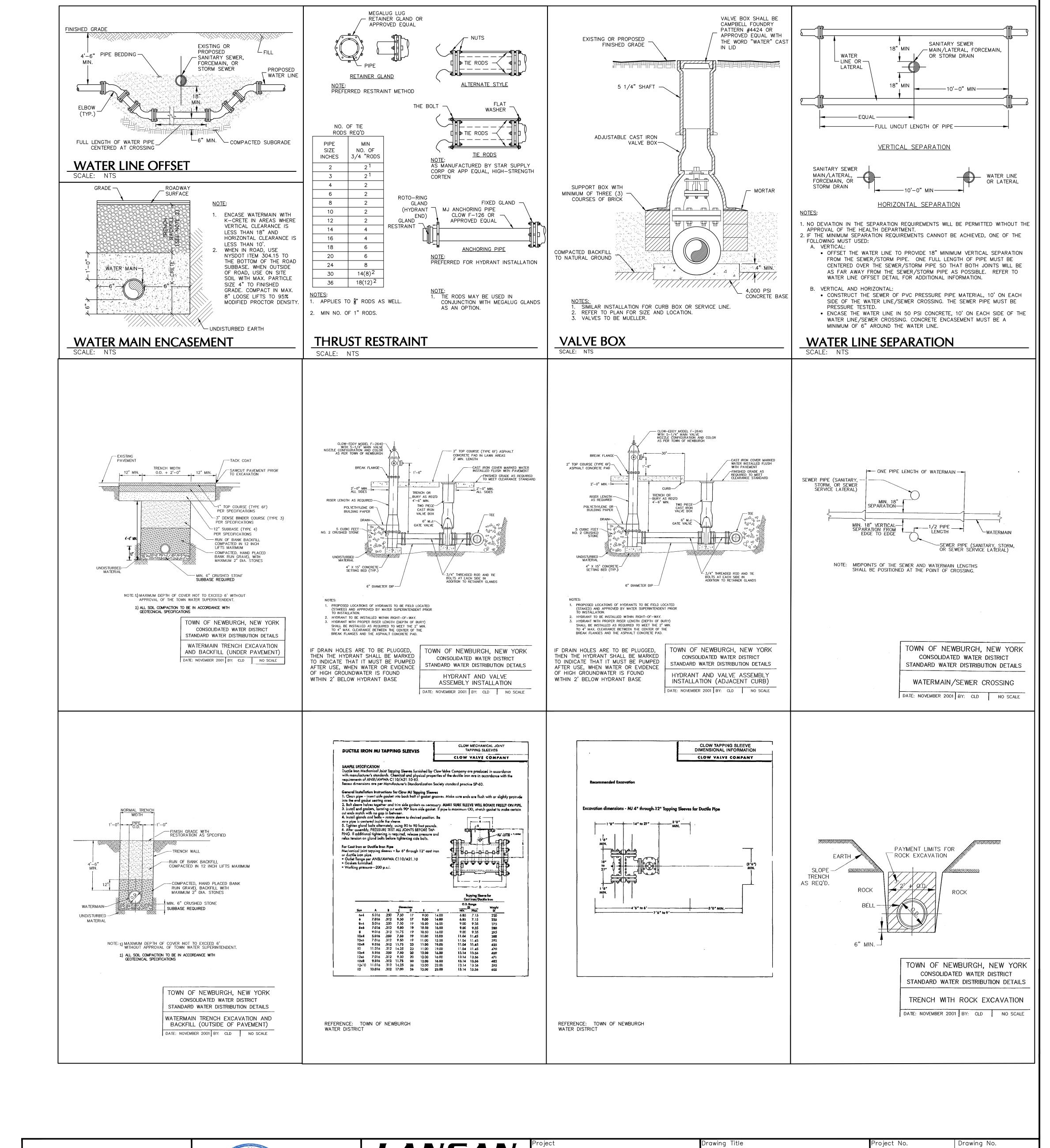
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DETAILS (2 OF 2)

CS502 **JULY 10, 2023** Drawn By Checked By



PLANNING BOARD CHAIRPERSON DATE
JOHN P. EWASUTYN

Date Description No.

Revisions

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WATER DETAILS Project No.

190063302

Date

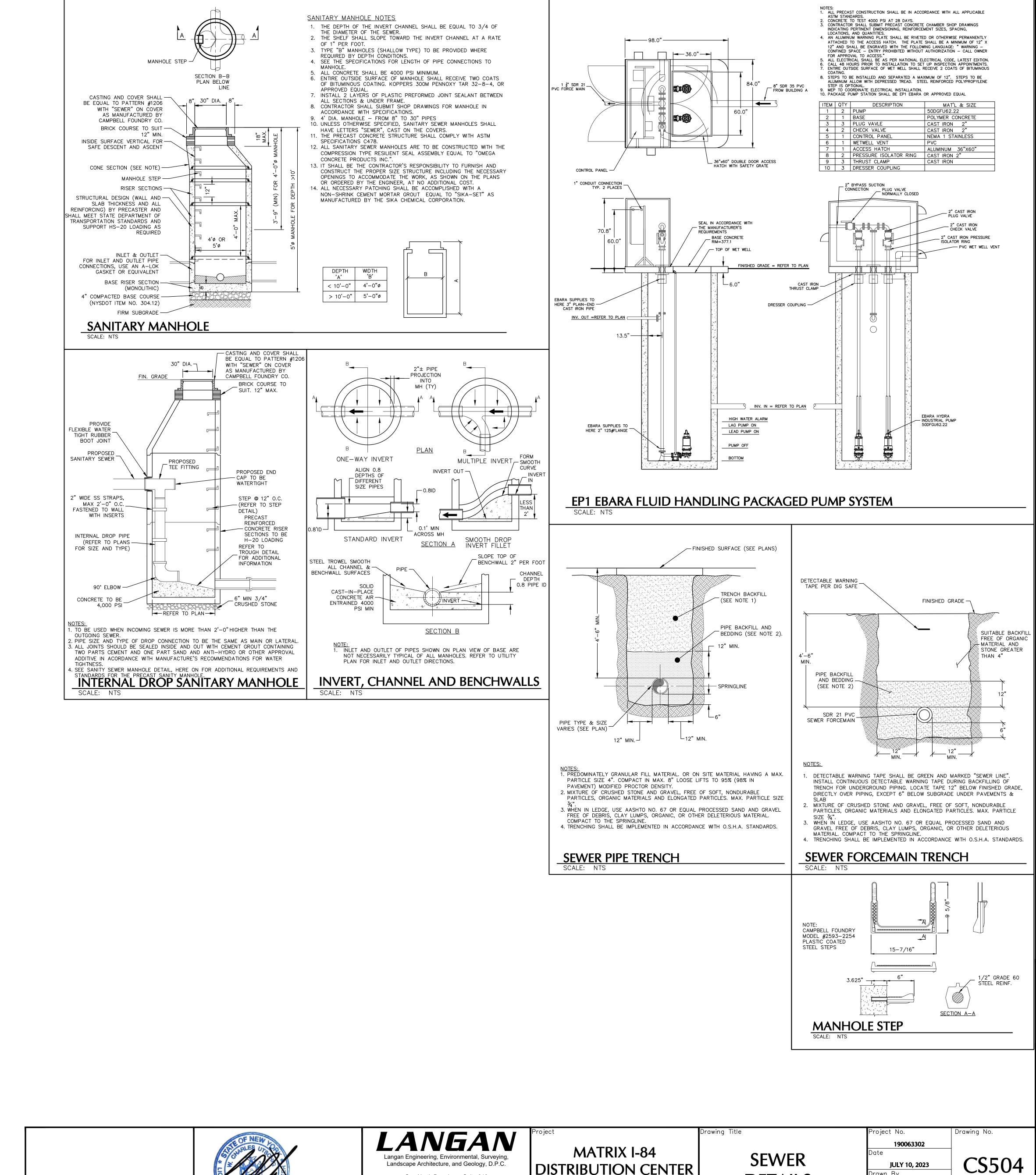
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Checked By

Date: 7/7/2023 Time: 11:45 User: ascariano Style Table: Langan.stb Layout: CS503 Document Code: 190063302-0501-CS501-0103



PLANNING BOARD CHAIRPERSON JOHN P. EWASUTYN

Date Description Revisions

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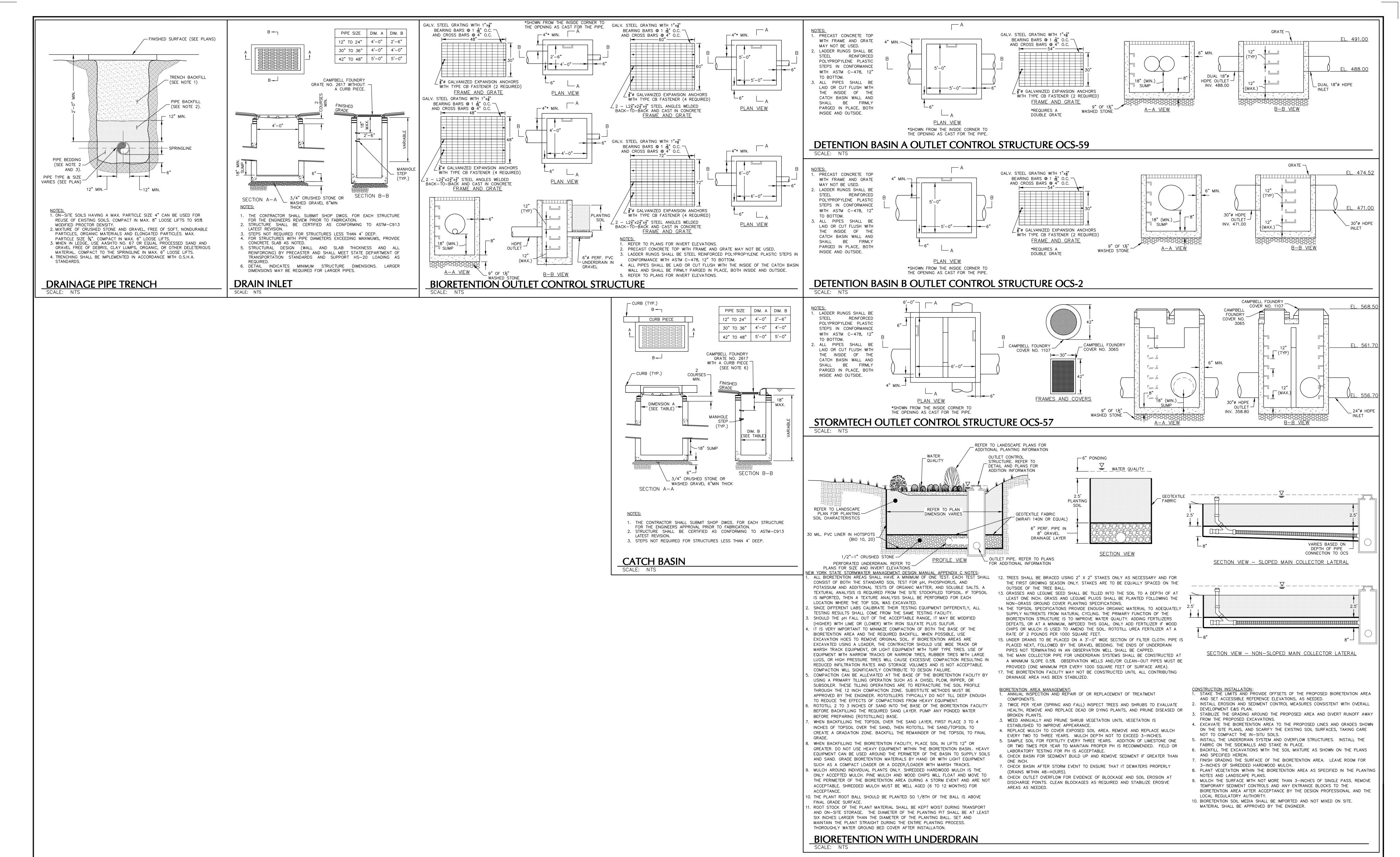
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SEWER DETAILS

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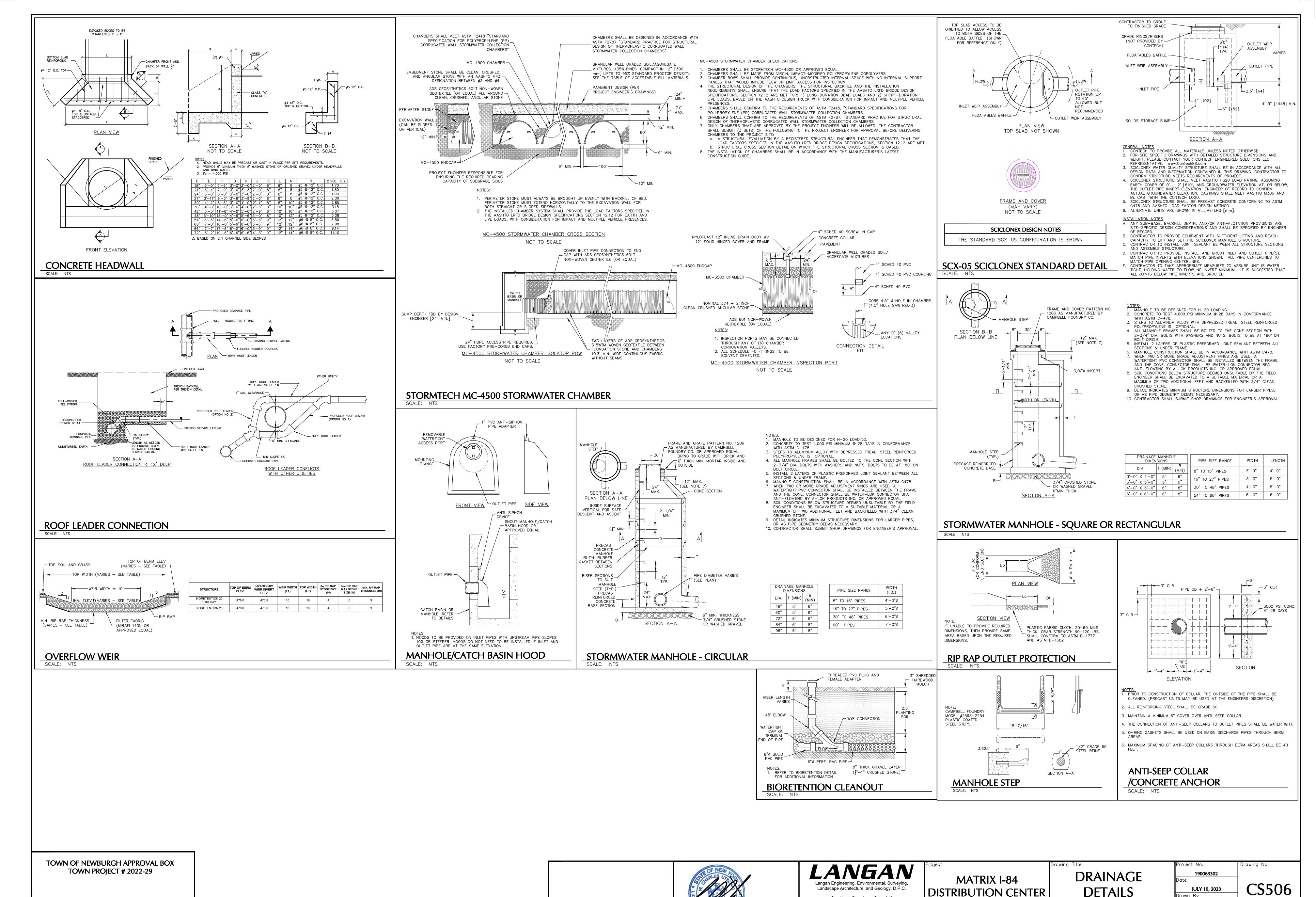
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DRAINAGE DETAILS (1 OF 2)

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Drawing No. 190063302 **CS505 JULY 10, 2023** Drawn By Checked By

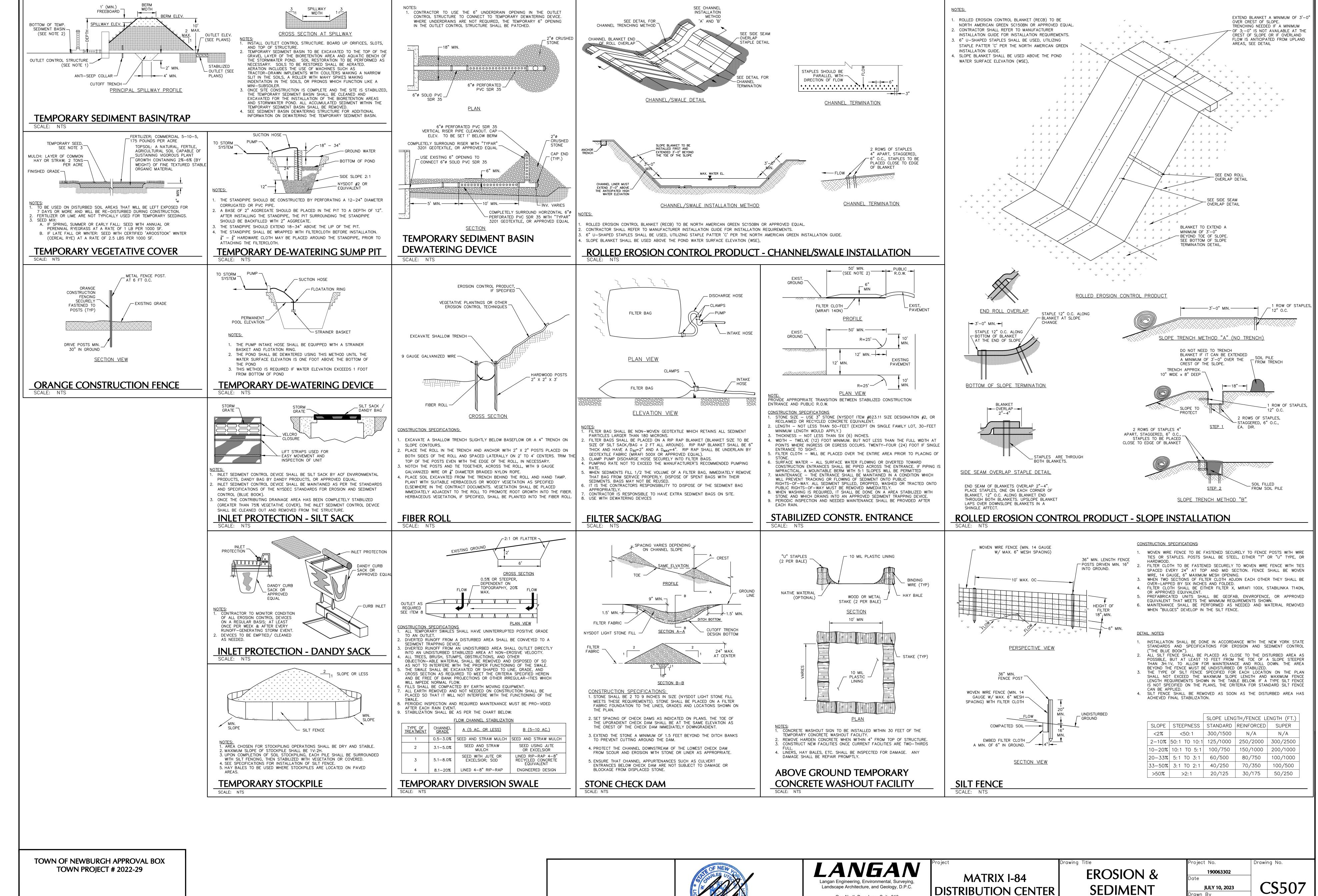
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PLANNING BOARD CHAIRPERSON

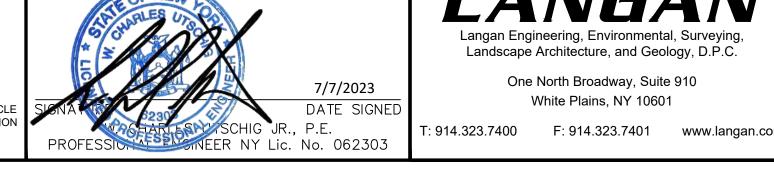
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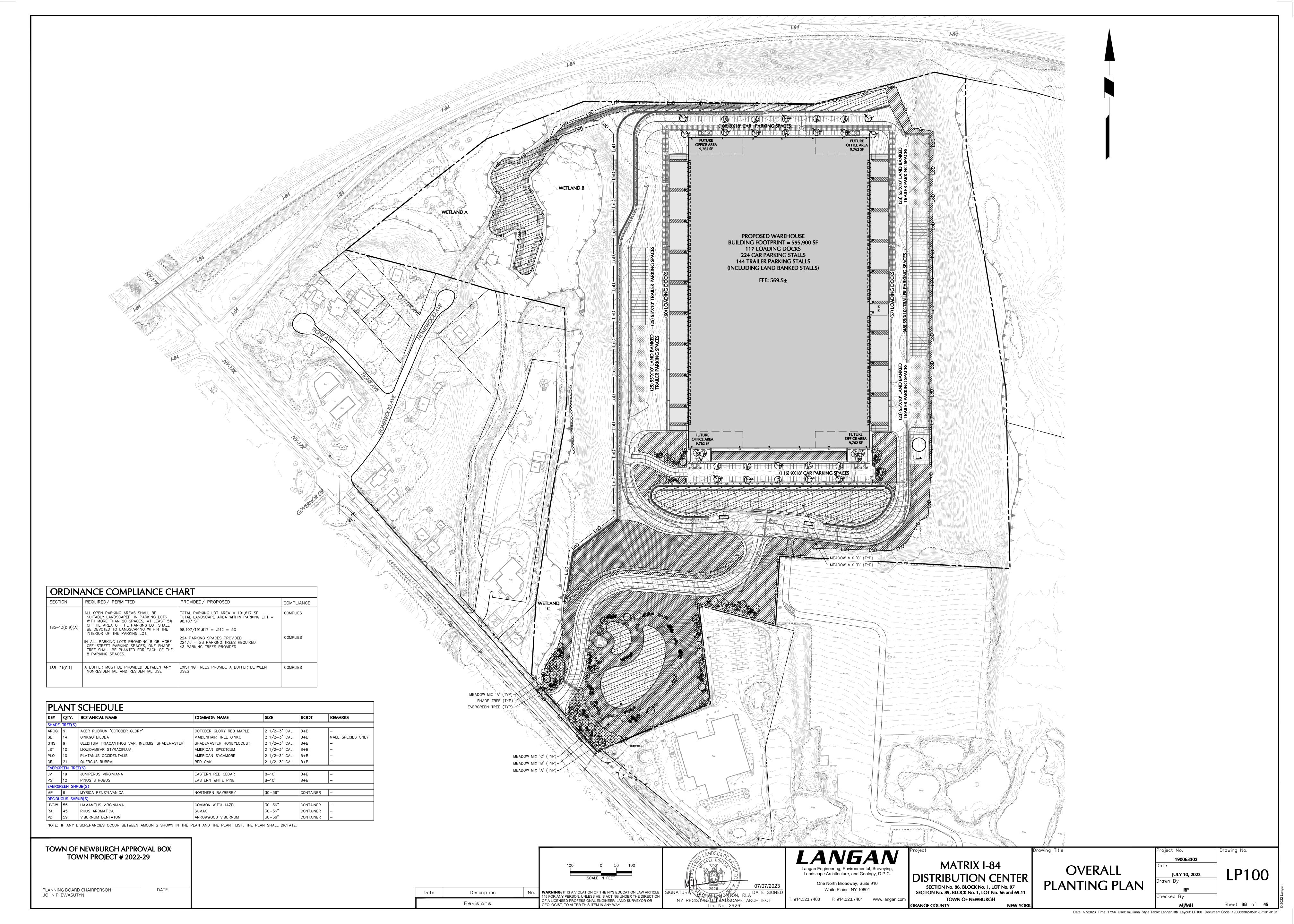


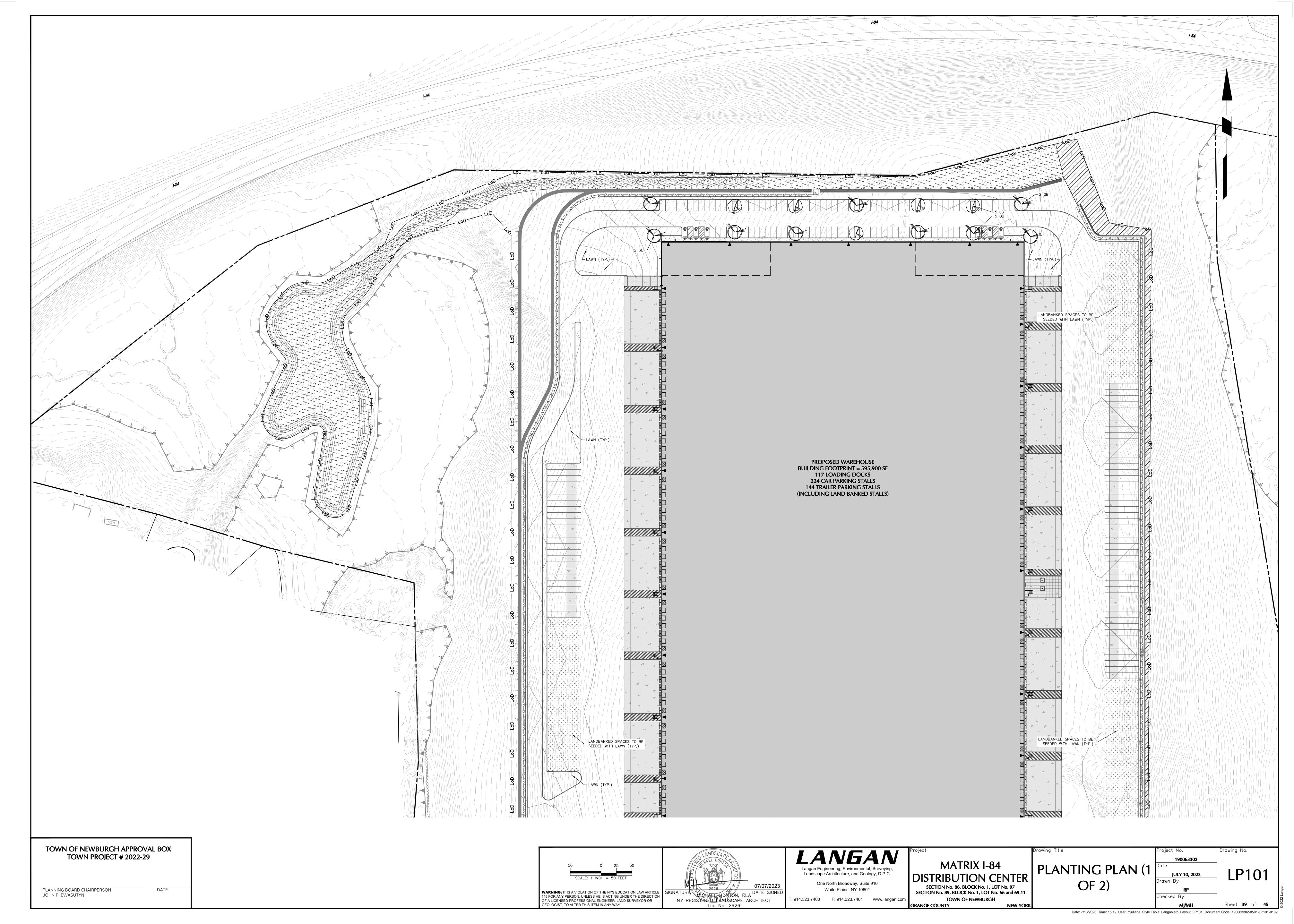
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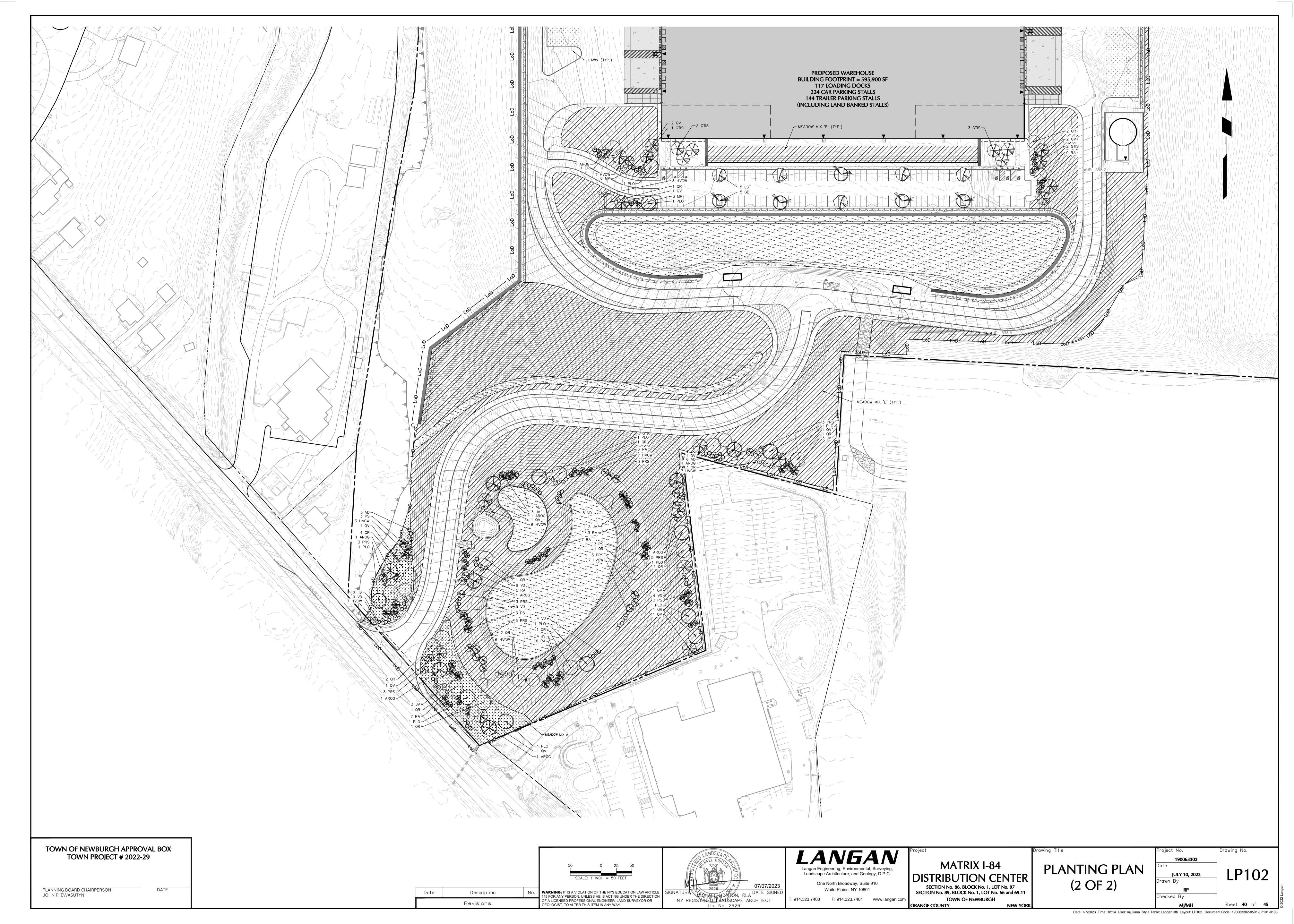
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GENERAL LANDSCAPE PLANTING NOTES

- 1. NAMES OF PLANTS AS DESCRIBED ON THIS PLAN CONFORM TO THOSE GIVEN IN "STANDARDIZED PLANT NAMES", 1942 EDITION, PREPARED BY THE AMERICAN JOINT COMMITTEE ON HORTICULTURAL NOMENCLATURE. NAMES OF PLANT VARIETIES NOT INCLUDED THEREIN CONFORM TO NAMES GENERALLY ACCEPTED IN NURSERY TRADE. 2. ALL EXPOSED GROUND SURFACES THAT ARE NOT PAVED WITHIN THE CONTRACT LIMIT LINE, AND THAT ARE NOT
- OVERED BY LANDSCAPE PLANTING OR SEEDING AS SPECIFIED, SHALL BE COVERED BY A NATURAL MULCH THAT WILL PREVENT SOIL EROSION AND THE EMANATION OF DUST 3. NO PLANT SHALL BE PUT INTO THE GROUND BEFORE ROUGH GRADING HAS BEEN COMPLETED AND APPROVED BY
- 4. STANDARDS FOR TYPE, SPREAD, HEIGHT, ROOT BALL AND QUALITY OF NEW PLANT MATERIAL SHALL BE IN ACCORDANCE WITH GUIDELINES AS SET FORTH IN THE "AMERICAN STANDARD FOR NURSERY STOCK", PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN. PLANT MATERIAL SHALL HAVE NORMAL HABIT OF GROWTH AND BE HEALTHY, VIGOROUS, AND FREE FROM DISEASES AND INSECT INFESTATION. 5. NEW PLANT MATERIAL SHALL BE NURSERY GROWN UNLESS SPECIFIED OTHERWISE. ALL PLANTS SHALL BE SET PLUMB AND SHALL BEAR THE SAME RELATIONSHIP TO FINISHED GRADE AS THE PLANT'S ORIGINAL GRADE BEFORE
- DIGGING. PLANT MATERIAL OF THE SAME SPECIES AND SPECIFIED AS THE SAME SIZE SHOULD BE SIMILAR IN SHAPE, COLOR AND HABIT. THE LANDSCAPE ARCHITECT HAS THE RIGHT TO REJECT PLANT MATERIAL THAT DOES NOT CONFORM TO THE TYPICAL OR SPECIFIED HABIT OF THAT SPECIES. 6. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UNDERGROUND UTILITY AND SEWER LINES PRIOR TO THE START OF EXCAVATION ACTIVITIES. NOTIFY THE PROJECT ENGINEER AND OWNER IMMEDIATELY OF ANY CONFLICTS WITH PROPOSED PLANTING LOCATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE.
- . THE CONTRACTOR SHALL NOT MAKE SUBSTITUTIONS. IF THE SPECIFIED LANDSCAPE MATERIAL IS NOT OBTAINABLE, THE CONTRACTOR SHALL SUBMIT PROOF OF NON-AVAILABILITY TO THE LANDSCAPE ARCHITECT AND OWNER, TOGETHER WITH A WRITTEN PROPOSAL FOR USE OF AN EQUIVALENT MATERIAL.
- 8. LANDSCAPE CONTRACTOR TO STAKE OUT PLANTING LOCATIONS, FOR REVIEW AND APPROVAL BY THE LANDSCAPE ARCHITECT AND/OR OWNER BEFORE PLANTING WORK BEGINS. THE LANDSCAPE ARCHITECT AND/OR OWNER DIRECT THE CONTRACTOR IN THE FINAL PLACEMENT OF ALL PLANT MATERIAL AND LOCATION OF PLANTING BEDS TO ENSURE COMPLIANCE WITH DESIGN INTENT UNLESS OTHERWISE INSTRUCTED. 9. THE LANDSCAPE ARCHITECT MAY REVIEW PLANT MATERIALS AT THE SITE, BEFORE PLANTING, FOR COMPLIANCE
- MITH REQUIREMENTS FOR GENUS, SPECIES, VARIETY, SIZE, AND QUALITY. THE LANDSCAPE ARCHITECT RETAINS THE RIGHT TO FURTHER REVIEW PLANT MATERIALS FOR SIZE AND CONDITION OF BALLS AND ROOT SYSTEM NSECTS, INJURIES, AND LATENT DEFECTS, AND TO REJECT UNSATISFACTORY OR DEFECTIVE MATERIAL AT ANY TIME DURING PROGRESS OF WORK. THE CONTRACTOR SHALL REMOVE REJECTED PLANT MATERIALS IMMEDIATELY FROM PROJECT SITE AS DIRECTED BY THE LANDSCAPE ARCHITECT OR OWNER.
- 10. DELIVERY, STORAGE, AND HANDLING A. PACKAGED MATERIALS: PACKAGED MATERIALS SHALL BE DELIVERED IN CONTAINERS SHOWING WEIGHT ANALYSIS, AND NAME OF MANUFACTURER. MATERIALS SHALL BE PROTECTED FROM DETERIORATION DURING . TREES AND SHRUBS: THE CONTRACTOR SHALL PROVIDE TREES AND SHRUBS DUG FOR THE GROWING SEASON
- FOR WHICH THEY WILL BE PLANTED. DO NOT PRUNE PRIOR TO DELIVERY UNLESS OTHERWISE DIRECTED BY THE LANDSCAPE ARCHITECT. DO NOT BEND OR BIND—TIE TREES OR SHRUBS IN SUCH A MANNER AS TO DAMAGE BARK, BREAK BRANCHES, OR DESTROY NATURAL SHAPE. PROVIDE PROTECTIVE COVERING DURING TRANSIT. DO NOT DROP BALLED AND BURLAPPED STOCK DURING DELIVERY OR HANDLING.

 ALL PLANTS SHALL BE BALLED AND BURLAPPED OR CONTAINER GROWN AS SPECIFIED. NO CONTAINER MADE OF SYNTHETICS OR PLASTICS SHALL BE REMOVED FROM THE TOP OF THE BALL. AT THE TIME OF PLANTING. IF THE PLANT IS SHIPPED WITH A WIRE BASKET AROUND THE ROOT BALL, THE WIRE BASKET SHALL BE CUT AND FOLDED DOWN 8 INCHES INTO THE PLANTING HOLE. WITH CONTAINER GROWN STOCK HE CONTAINER SHALL BE REMOVED AND THE ROOT BALL SHALL BE CUT THROUGH THE SURFACE IN TWO
- D. THE CONTRACTOR SHALL HAVE TREES AND SHRUBS DELIVERED TO SITE AFTER PREPARATIONS FOR PLANTING HAVE BEEN COMPLETED AND PLANT IMMEDIATELY. IF PLANTING IS DELAYED MORE THAN 6 HOURS AFTER DELIVERY, THE CONTRACTOR SHALL SET TREES AND SHRUBS IN SHADE, PROTECT FROM WEATHER AND MECHANICAL DAMAGE AND KEEP ROOTS MOIST BY COVERING WITH MULCH, BURLAP OR OTHER ACCEPTABLE MEANS OF RETAINING MOISTURE.
- 11. ALL LANDSCAPED AREAS TO BE CLEARED OF ROCKS, STUMPS, TRASH AND OTHER UNSIGHTLY DEBRIS. ALL FIN GRADED AREAS SHOULD BE HAND RAKED SMOOTH ELIMINATING ANY CLUMPS AND AND UNEVEN SURFACES PRIOR 12. ALL PLANT MATERIAL SHALL BE INSTALLED AS PER DETAILS, NOTES AND CONTRACT SPECIFICATIONS. THE
- LANDSCAPE ARCHITECT MAY REVIEW INSTALLATION AND MAINTENANCE PROCEDURES. 13. PER TOWN LANDSCAPE BOND REQUIREMENTS, NEW PLANT MATERIAL SHALL BE GUARANTEED TO BE ALIVE AND IN VIGOROUS GROWING CONDITION FOR A PERIOD OF TWO YEARS FOLLOWING ACCEPTANCE BY THE OWNER. PLANT MATERIAL FOUND TO BE UNHEALTHY, DYING OR DEAD DURING THIS PERIOD, SHALL BE REMOVED AND REPLACED IN KIND BY THE CONTRACTOR AT NO EXPENSE TO THE OWNER. PLANTS WILL BE INSPECTED UPON COMPLETIION OF INSTALLATION ONCE A REQUEST FOR INSPECTION HAS BEEN SUBMITTED BY THE CONTRACTOR AND WILL BE
- 14. THE CONTRACTOR SHALL KEEP AREA CLEAN DURING DELIVERY AND INSTALLATION OF PLANT MATERIALS, REMOVE AND DISPOSE OF OFF-SITE ANY ACCUMULATED DEBRIS OR UNUSED MATERIALS. REPAIR DAMAGE TO ADJACENT AREAS CAUSED BY LANDSCAPE INSTALLATION OPERATIONS.
- 15. ALL PLANTS SHALL BE WATERED THOROUGHLY TWICE DURING THE FIRST 24-HOUR PERIOD AFTER PLANTING, ALL PLANTS SHALL THEN BE WATERED WEEKLY OR AS REQUIRED BY SITE AND WEATHER CONDITIONS TO MAINTAIN
- 16. THE BACKFILL MIXTURE AND SOIL MIXES TO BE INSTALLED PER THE SPECIFICATIONS. 17. AFTER PLANT IS PLACED IN TREE PIT LOCATION, ALL TWINE HOLDING ROOT BALL TOGETHER SHOULD BE
- COMPLETELY REMOVED AND THE BURLAP SHOULD BE PULLED DOWN SO 1/3 OF THE ROOT BALL IS EXPOSED. SYNTHETIC BURLAP SHOULD BE COMPLETELY REMOVED AFTER INSTALLATION 18. MULCH SHOULD NOT BE PILED UP AROUND THE TRUNK OF ANY PLANT MATERIAL. NO MULCH OR TOPSOIL
- SHOULD BE TOUCHING THE BASE OF THE TRUNK ABOVE THE ROOT COLLAR. 19. ALL FENCE INSTALLATION SHALL BE COMPLETED PRIOR TO COMMENCEMENT OF ANY LANDSCAPE PLANTING, LAWN
- 20. FOR ANY DISCREPANCIES BETWEEN THE PLANT SCHEDULE AND PLANTING PLAN THE GRAPHIC QUANTITY SHOWN 21. PLANT MATERIALS SHALL NOT BE PLANTED UNTIL THE FINISHED GRADING HAS BEEN COMPLETED.
- 22. ALL PLANT INSTALLATIONS SHALL BE COMPLETED EITHER BETWEEN APRIL 1 JUNE 15 OR AUGUST 15 NOVEMBER 1, JUNESS OTHERWISE DIRECTED BY THE PROJECT LANDSCAPE ARCHITECT. SEE LAWN SEEDING DATES

LAWN WATERING SCHEDULE

INSPECTED AGAIN THE FOLLOWING FOUR GROWING SEASONS

THE FOLLOWING WATERING SCHEDULE COVERS ROUGHLY 8 WEEKS TO ESTABLISH A HEALTHY STAND OF GRASS FROM SEED. THE CONTRACTOR SHALL BE OBLIGATED TO ENSURE A HEALTHY STAND OF GRASS AT THE END OF THE MAINTENANCE/BOND PERIOD. ANY BARE OR DEAD AREAS IN THE LAWN SHALL BE PREPARED, RESEEDED AND REESTABLISHED PRIOR TO THE END OF THE MAINTENANCE/BOND PERIOD AND TO THE SATISFACTION OF THE PROJECT LANDSCAPE ARCHITECT AND THE OWNER.

IMPORTANT ASPECTS TO ATTAINING AND SUSTAINING A HEALTHY STAND OF GRASS ARE THE INSTALLATION OF TOPSOIL, SEED BED PREPARATION, ATTAINING OPTIMAL DH FOR THE INTENDED PLANT SPECIES, FERTILIZING, MULCH COVERING, AND SUFFICIENT WATERING PER THESE NOTES AND/OR PROJECT SPECIFICATIONS. SEEDING SHALL BE DONE DURING THE SEASONS SPECIFIED IN THE LAWN SEED MIX NOTES AND/OR PROJECT SPECIFICATIONS.

- 2. AFTER THE SEEDBED IS PREPARED, SEED IS INSTALLED, AND MULCH IS APPLIED, WATER LIGHTLY TO KEEP THE TOP 2 INCHES OF SOIL CONSISTENTLY MOIST, NOT SATURATED. AT NO TIME SHOULD WATER BE APPLIED TO THE POINT OF RUNOFF OR THE DISPLACEMENT OF SEED.
- 3. DEPENDING ON SOIL TEMPERATURES, IT MAY TAKE SEVERAL WEEKS FOR GERMINATION TO OCCUR. DIFFERENT SPECIES WITHIN THE MIX GERMINATE AT DIFFERENT TIMES AND THEREFORE CONTRACTOR SHOULD CONTINUE THE
- LIGHT WATERING, AS DESCRIBED ABOVE, UNTIL THERE IS AT LEAST 2 INCHES OF GROWTH THROUGHOUT. 4. AT THIS POINT, WATERING FREQUENCY MAY BE REDUCED TO EVERY 3 TO 5 DAYS. WATER SHALL BE APPLIED TO WET A 6 INCH MINIMUM SOIL DEPTH TO PROMOTE HEALTHY DEEP ROOTS.
- 5. BEGIN MOWING ONCE PER WEEK AFTER THE GRASS HAS REACHED 3 INCHES HEIGHT. MOW TO A HEIGHT OF NO LESS THAN 2-1/2 INCHES. AFTER 2 TO 3 WEEKS OF MOWING, CONTINUE TO WATER TO A 6 INCH MINIMUM SOIL

LAWN SEED MIX

MANUFACTURER'S SPECIFICATIONS.

- 1. LAWN SEED MIX: LESCO GRASS SEED ALL PRO TRANSITION MIX (3 TURF-TYPE TALL-FESCUE GRASSES)
- A) SEED RATE: 1) NEW ESTABLISHMENT: SEED AT A RATE OF 6-8 LBS/1000 SQ FT 2) RENOVATION: 20-50% EXISTING COVER: 5-7 LBS/1000 SQ FT
- 50-75% EXISTING COVER: 4-6 LBS/1000 SQ FT 2. GENERAL SEED NOTES:
- A) FINAL SEED MIXTURES, RATES, AND SPECIES TO BE DETERMINED BASED ON PROJECT LANDSCAPE ARCHITECT B) SEEDING SHALL TAKE PLACE IN THE SPRING (APRIL 1 TO JUNE 15) OR THE FALL (SEPTEMBER 1 TO C) ELIMINATE UNWANTED VEGETATION PRIOR TO SEEDING USING A GLYPHOSATE-BASED HERBICIDE PER

D) IT IS RECOMMENDED THAT CONTRACTOR INSTALL SEED MIXTURE USING A NO-TILL TRUAX-TYPE DRILL

E) THERE MUST BE CONTINUOUS SOIL MOISTURE FOR 4-6 WEEKS TO ALLOW FOR PROPER GERMINATION.

PLANTING SOIL SPECIFICATIONS

I. PLANTING SOIL, ALTERNATELY MAY BE REFERRED TO AS TOPSOIL, SHOULD BE FRIABLE, FERTILE, WELL DRAINED, FREE OF DEBRIS, TOXINS, TRASH AND STONES OVER 1/2" DIA., IT SHOULD HAVE A HIGH ORGANIC CONTENT SUITABLE TO SUSTAIN HEALTHY PLANT GROWTH AND SHOULD LOOK AESTHETICALLY PLEASING HAVING NO NOXIOUS

REUSE SURFACE SOILS STOCKPILED ON SITE. VERIFYING COMPLIANCE WITH PLANTING SOIL AND TOPSOIL CRITERIA IN THIS SPECIFICATION THROUGH TESTING. CLEAN SURFACE SOIL OF ALL ROOTS, PLANTS, SOD, AND GRAVEL OVER 1" IN DIAMETER AND DELETERIOUS MATERIALS. IF ON-SITE SOILS ARE TO BE USED FOR PROPOSED PLANTING, CONTRACTOR SHALL DEMONSTRATE, THROUGH SOIL TESTING, THAT ON-SITE SOILS MEET THE SAME CRITERIA AS INDICATED IN NOTES PLANS AND SPECIFICATIONS. SUPPLEMENT WITH IMPORTED OR MANUFACTURED TOPSOIL FROM OFF SITE SOURCES WHEN TOPSOIL AND PLANTING SOIL QUANTITIES ARE INSUFFICIENT. OBTAIN SOIL DISPLACED FROM NATURALLY WELL-DRAINED SITES WHERE TOPSOIL OCCURS AT LEAST 4" DEEP. DO NOT OBTAIN FROM AGRICULTURAL LAND, BOGS, MARSHES OR

CONTRACTOR SHALL TEST SOILS AND FURNISH SAMPLES UPON REQUEST. PACKAGED MATERIALS SHALL UNOPENED BAGS OR CONTAINERS, EACH BEARING A NAME, GUARANTEE, AND TRADEMARK OF THE PRODUCER, MATERIAL COMPOSITION, MANUFACTURER'S CERTIFIED ANALYSIS, AND THE WEIGHT OF THE MATERIALS, SOIL OR AMENDMENT MATERIALS SHALL BE STORED ON SITE TEMPORARILY IN STOCKPILES PRIOR TO PLACEMENT AND SHALL BE PROTECTED FROM INTRUSION OF CONTAMINANTS AND EROSION. AFTER MIXING, SOIL MATERIALS SHALL BE COVERED WITH A TARPAULIN UNTIL TIME OF ACTUAL USE. ALL PLANTING SOILS SHALL BE SUBMITTED FOR TESTING TO THE STATE COOPERATIVE EXTENSION SERVICE, OR

APPROVED EQUAL, PRIOR TO DELIVERY TO THE SITE. CONTRACTOR SHALL FURNISH SOIL SAMPLES AND SOIL TEST RESULTS TO LANDSCAPE ARCHITECT OR OWNER AT A RATE OF ONE SAMPLE PER 500 CUBIC YARDS TO ENSURE CONSISTENCY ACROSS THE TOTAL VOLUME OF PLANTING SOIL REQUIRED. TEST RESULTS SHALL EVALUATE FOR ALI CRITERIA LISTED IN THIS SPECIFICATION. IF TESTING AGENCY DETERMINES THAT THE SOILS ARE DEFICIENT IN ANY MANNER AND MAY BE CORRECTED BY ADDING AMENDMENTS, THE CONTRACTOR SHALL FOLLOW STATED RECOMMENDATIONS FOR SOIL IMPROVEMENT AND FURNISH SUBMITTALS FOR ALL AMENDMENTS PRIOR TO DELIVERY

OF SOIL TO THE PROJECT SITE. A. THE FOLLOWING TESTING SHOULD BE PERFORMED AND RESULTS GIVEN TO THE LANDSCAPE ARCHITECT FOR a. PARTICLE SIZE ANALYSIS - LOAMY SAND: 60-75% SAND, 25-40% SILT, AND 5-15% CLAY. b. FERTILITY ANALYSIS: pH (5.5-6.5), SOLUBLE SALTS (LESS THAN 2 MMHO/CM), NITRATE, PHOSPHATE, c. ORGANIC MATTER CONTENT: 2.5-5% IN NATIVE SOILS; UP TO 10% IN AMENDED SOILS e. MATERIAL DRAINAGE RATE: 60% PASSING IN 2 MINUTES. 40% RETAINED

PERCENT PASSING

3. BIORETENTION SOIL MIX a. BIORETENTION SOIL MIX IS TO BE USED IN ALL DETENTION BASINS AND RAIN GARDENS. b. MIX TO CONSIST OF 60% COARSE SAND, 40% SUBMITTED TOPSOIL/HORTICULTURAL SOIL MIX c. TOPSOIL/HORTICULTURAL SOIL MIX: REFER TO SPECIFICATIONS LISTED IN SECTION ABOVE

f. NOT MORE THAN 1% OF MATERIAL SHALL BE RETAINED BY A #4 SIEVE

- d. COARSE SAND 1) PARTICLE SIZE ANALYSIS
- 3/8 INCH (9.5 MM) NO 4 (4.75 MM) 95-100 NO 8 (2.36 MM) 80-100 NO 16 (1.18 MM) 50-85 NO 30 (.60 MM) 25-60 NO 50 (.30 MM) NO 100 (.15 MM) NO 200 (0.75 MM
- 2) CHEMICAL ANALYSIS TOXIC SUBSTANCE ANALYSIS
- e. FINAL BIORETENTION MIX 1) PARTICLE SIZE ANALYSIS a) SAND - 80-85%
- b) SILT 10-15% c) CLAY - 2-5%
- NOT MORE THAN 1% OF MATERIAL TO BE RETAINED BY A #4 SIEVE 2) CHEMICAL ANALYSIS
- a) PH 5.5-6.5 b) SOLUBLE SALTS: LESS THAN 2 MMHO/CM
- 3) CONTRACTOR TO SUBMIT TOXIC SUBSTANCE ANALYSIS AND MATERIAL DRAINAGE RATE IN ADDITION TO INFORMATION LISTED ABOVE. DRAINAGE RATE OF MATERIAL TO EXCEED 1 INCH/HOUR IF SOIL ORGANIC CONTENT IS INADEQUATE, SOIL SHALL BE AMENDED WITH COMPOST OR ACCEPTABLE, WEED FREE, ORGANIC MATTER. ORGANIC AMENDMENT SHALL BE WELL COMPOSTED, PH RANGE OF 6-8; MOISTURE CONTENT
- 5-55% BY WEIGHT 100% PASSING THROUGH 1" SIEVE; SOLUBLE SALT CONTENT LESS THAN 0.5 MM HOS/CM; MEETING ALL APPLICABLE ENVIRONMENTAL CRITERIA FOR CLEAN FILI A. ORGANIC MATTER AS A SOIL AMENDMENT: LEAF MOLD WITH 60-90% ORGANIC CONTENT BY WEIGHT. SHREDDED LEAF LITTER, COMPOSTED FOR A MINIMUM OF 1 YR. SHOULD BE FREE OF DEBRIS, STONES OVER 1/2", WOOD
- B. SOIL IN BEDS AND PLANTING ISLANDS OTHER THAN BACKFILL MATERIAL AND TOPSOIL, SHOULD BE FRIABLE, WELL DRAINED, AND FREE OF DEBRIS, INCLUDING STONES AND TRASH.
- C AMENDMENTS FOR BACK FILL IN TREE AND SHRUB PITS: a. Ground Limestone (with a min. of 88% of Calcium and Magnesium Carbonates) used pending RESULTS OF SOIL ANALYSIS. - BRING pH LEVELS TO 5.5 MIN. TO 6.5 FOR NON-ERICACEOUS PLANTS
- BRING pH LEVELS TO 4.5 MIN. TO 5.5 FOR ERICACEOUS PLANTS b. TERRA-SORB BY 'PLANT HEALTH CARE' 800-421-9051 (SEE MANUFACTURER RECOMMENDATIONS) USED IN PLANTER BACKFILL MIXTURE WITH TREES AND SHRUBS. c. MYCOR-ROOT SAVER BY 'PLANT HEALTH CARE' 800-421-9051 (SEE MANUFACTURER RECOMMENDATIONS) USED IN BACKFILL MIXTURE WITH TREES.

5. WHERE PLANTING AREAS ARE PROPOSED FOR FORMER PAVED OR GRAVEL AREAS, BEDS SHALL BE EXCAVATED TO A MINIMUM 30" DEPTH AND, AT A MINIMUM, BE BACKFILLED WITH BOTTOM LAYER OF SANDY LOAM (ORGANIC CONTENT LESS THAN 2%) OVER WHICH TOPSOIL AND PLANTING SOILS WILL BE PLACED AT DEPTHS INDICATED IN

- 6. CLEAN SOIL FILL IN LANDSCAPE AREAS: LANDSCAPE FILL MATERIAL, BELOW PLANTING SOILS, SHALL HAVE THE PHYSICAL PROPERTIES OF A SANDY LOAM WITH AN ORGANIC CONTENT OF LESS THAN 2% AND A PH BETWEEN 5 — 7. 7. SOIL PLACEMENT
- A. CONTRACTOR TO PROVIDE SIX INCHES (6") MINIMUM DEPTH PLANTING SOIL LAYER IN LAWN AREAS, TWELVE INCHES (12") MINIMUM DEPTH PLANTING SOIL LAYER IN GROUNDCOVER AND PERENNIAL AREAS, EIGHTEEN NCHES (18") MINIMUM DEPTH PLANTING SOIL LAYER IN SHRUB AREAS, AND THIRTY-SIX INCHES (36") MINIMUM DEPTH PLANTING SOIL LAYER IN TREE PLANTING AREAS.
- B. SCARIFY AND/OR TILL COMPACTED SUBSOILS TO A MINIMUM DEPTH OF 6 INCHES. THOROUGHLY MIX A 6 INCH DEPTH LAYER OF PLANTING SOIL INTO THE SUBSOIL PRIOR TO PLACING PLANTING SOIL AT THE DEPTHS INDICATED ABOVE. PLANTING SOIL SHALL BE PLACED IN 12-18" LIFTS AND WATER THOROUGHLY BEFOR INSTALLING NEXT LIFT. REPEAT UNTIL DEPTHS AND FINISH GRADES HAVE BEEN ACHIEVED. NO SOILS SHALL BE PLACED IN A FROZEN OR MUDDY CONDITION. C. PLANTING SOIL PRESENT AT THE SITE, IF ANY, MAY BE USED TO SUPPLEMENT TOTAL AMOUNT REQUIRED.

CONTRACTOR TO FURNISH AN ANALYSIS OF ON-SITE PLANTING SOIL UTILIZED IN ALL PLANTING AREAS.

- A. ADJUST pH AND NUTRIENT LEVELS AS REQUIRED TO ENSURE AN ACCEPTABLE GROWING MEDIUM. LOWER pH USING ELEMENTAL SULFUR ONLY. PEAT MOSS OR COPPER SULFATE MAY NOT BE USED. GROUND LIMESTONE AS A SOIL AMENDMENT MATERIAL WILL ONLY BE USED PENDING RESULTS OF SOIL ANALYSIS. PROVIDE WITH
- SIEVE, MINIMUM 90% PASSING 20 MESH SIEVE, AND MINIMUM 60% PASSING 100 MESH SIEVE. B. ALL DEBRIS EXPOSED FROM EXCAVATION AND CULTIVATION SHALL BE DISPOSED OF AT THE CONTRACTOR'S
- C. SOIL MODIFICATIONS (PENDING RESULTS OF SOIL ANALYSIS): a. THOROUGHLY TILL ORGANIC MATTER (LEAF COMPOST) INTO THE TOP 6 TO 12 IN. OF MOST PLANTING SOILS TO IMPROVE THE SOIL'S ABILITY TO RETAIN WATER AND NUTRIENTS. ALL PRODUCTS SHOULD BE COMPOSTED TO A DARK COLOR AND BE FREE OF PIECES WITH IDENTIFIABLE LEAF OR WOOD STRUCTURE. AVOID MATERIAL WITH A PH HIGHER THAN 7.0. PEAT MOSS MAY NOT BE USED AS ORGANIC MATTER
- b. MODIFY HEAVY CLAY OR SILT (MORE THAN 40% CLAY OR SILT) BY ADDING COMPOSTED PINE BARK (UP TO 30% BY VOLUME) AND/OR GYPSUM. COARSE SAND MAY BE USED IF ENOUGH IS ADDED TO BRING THE SAND CONTENT TO MORE THAN 60% OF THE TOTAL MIX. IMPROVE DRAINAGE IN HEAVY SOILS BY PLANTING
- ON RAISED MOUNDS OR BEDS AND INCLUDING SUBSURFACE DRAINAGE LINES.

c. MODIFY EXTREMELY SANDY SOILS (MORE THAN 85% SAND) BY ADDING ORGANIC MATTER AND/OR DRY, SHREDDED CLAY LOAM UP TO 30% OF THE TOTAL MIX.

MEADOW SEED NOTES

MEADOW SEED MIX A - ERNST SEED MIX ERNMX-123 "NATIVE UPLAND WILDLIFE FORAGE & COVER MEADOW MIX" BIG BLUESTEM, 'NIAGARA' 34.9% ANDROPOGON GERARDII. 'NIAGARA 27.0% PANICUM VIRGATUM. 'CAVE-IN-ROCK' SWITCHGRASS, 'CAVE-IN-ROCK' 21.0% ELYMUS VIRGINICUS, 'MADISON' VIRGINIA WILDRYE, 'MADISON' 9.0% SORGHASTRUM NUTANS, 'TOMAHAWK INDIANGRASS, 'TOMAHAWK' 3.0% RUDBECKIA HIRTA, PA ECOTYPE BLACKEYED SUSAN, PA ECOTYPE 2.0% CHAMAECRISTA FASCICULATA, PA ECOTYPI PARTRIDGE PEA, PA ECOTYPE 1.5% HELIOPSIS HELIANTHOIDES, PA ECOTYPE OXEYE SUNFLOWER, PA ECOTYPE 1.0% COREOPSIS TINCTORIA PLAINS COREOPSIS 0.4% DESMODIUM CANADENSE, PA ECOTYPE SHOWY TICKTREFOIL, PA ECOTYPE 0.1% ASCLEPIAS SYRIACA COMMON MILKWEED

WILD BERGAMOT, PA ECOTYPE

SEED AT A RATE OF 20 LB/ACRE OF 100% PURE LIVE SEED

0.1% MONARDA FISTULOSA, PA ECOTYPE

2. $\underline{\text{MEADOW SEED MIX B}}$ ERNST SEED MIX ERNMX-183 "NATIVE DETENTION AREA MIX" 20% CAREX VUI PINOIDEA 20% ELYMUS VIRGINICUS VIRGINIA WILDRYE 20% PANICUM VIRGATUM, 'SHAWNEE' SWITCHGRASS, 'SHAWNEE' AUTUMN BENTGRASS, ALBANY PINE BUSH 4% AGROSTIS PERENNANS, ALBANY PINE BUSH % JUNCUS EFFUSUS SOFT RUSH % PANICUM RIGIDULUM REDTOP PANICGRASS

1. SEED AT A RATE OF 20 LBS/ACRE OF 100% PURE LIVE SEED. 2. FOR SPRING SEEDING, APPLY A NURSE CROP OF OATS AT A RATE OF 30 LBS/ACRE. 3. FOR FALL SEEDING, APPLY A NURSE CROP OF WINTER RYE AT A RATE OF 30 LBS/ACRE.

3. MEADOW SEED MIX C - ERNMX-181 "NATIVE STEEP SLOPE MIX WITH ANNUAL RYEGRASS" 1% SORGHASTRUM NUTANS 20% LOLIUM MULTIFLORUM 4% ANDROPOGON GERARDII, 'NIAGARA' BIG BLUESTEM 'NIAGARA' 10% ELYMUS VIRGINICUS VIRGINIA WILDRYE % AGROSTIS PERFNNANS AUTUMN BENTGRAS 4% PANICUM VIRGATUM 'CARTHAGE' SWITCHGRASS, 'CARTHAGE .5% FCHINACEA PURPUREA PURPLE CONEFLOWER 3% CHAMAECRISTA FASCICULATA .2% HELIOPSIS HELIANTHOIDES OXEYE SUNFLOWER COREOPSIS LANCEOLATA LANCELEAF COREOPSIS RUDBECKIA HIRTA % MONARDA FISTULOSA WILD BERGAMOT SOLIDAGO RUGOSA WRINKLELEAF GOLDENROD ASTER LATERIFLORUS 1% ASTER PILOSUS HEATH ASTER

SEED AT A RATE OF 60 LBS/ACRE OF 100% PURE LIVE SEED.

GENERAL SEEDING NOTES: 1. FINAL SEED MIXTURES, RATES & SPECIES TO BE DETERMINED BASED ON SCD REVIEW. SEEDING SHALL TAKE PLACE IN THE SPRING (APRIL 1 TO JUNE 15) OR THE FALL 3. ELIMINATE UNWANTED VEGETATION PRIOR TO SEEDING USING A NON-SELECTIVE HERBICIDE PER MANUFACTURER'S SPECIFICATIONS THAT CONTRACTOR INSTALL SEED MIXTURE USING A NO-TILL 5. THERE MUST BE CONTINUOUS SOIL MOISTURE FOR 4-6 WEEKS TO ALLOW PROPER 6. NO DRILL SEEDING IS TO TAKE PLACE UNDER EXISTING TREES TO REMAIN.

<u>WEED CONTROL / MAINTENANCE</u> DURING THE ESTABLISHMENT YEAR, CONTRACTOR SHALL MOW SEEDING IF WEED HEIGHT EXCEEDS MEADOW MIX HEIGHT. MOW AT A HEIGHT OF 8"-10". DO NOT MOW CLOSE, AS SOME OF THE MEADOW MIX MAY BE DAMAGED.

AFTER THE FIRST GROWING SEASON, AND IF MEADOW MIX IS WELL ESTABLISHED, THE MEADOW MIX SHALL BE MOWED ONLY ONCE ANNUALLY. ANNUAL MAINTENANCE MOWING SHALL BE DONE IN LATE WINTER DURING THE MONTH OF MARCH. MOW IN DETENTION BASIN AND WETLAND TRANSITION AREAS DURING DRIER SITE CONDITIONS WHEN SOIL DISTURBANCE WILL NOT OCCUR. MAINTENANCE FOR DETENTION BASIN AND WETLAND TRANSITION AREAS SHALL OCCUR DURING LATE SUMMER (JULY 15 - AUGUST 15) WHEN THE WATER TABLE IS USUALLY AT ITS LOWEST POINT OF THE YEAR. DO NOT MOV IN DETENTION BASIN, WETLAND OR WETLAND TRANSITION AREAS AFTER ESTABLISHMENT OF

LANDSCAPE MAINTENANCE NOTES

MAINTENANCE OPERATIONS BEFORE APPROVAL:

. MAINTENANCE DURING CONSTRUCTION:

- A. PLANT CARE SHALL BEGIN IMMEDIATELY AFTER EACH PLANT IS SATISFACTORILY INSTALLED AND SHALL CONTINUE THROUGHOUT THE LIFE OF THE CONTRACT UNTIL FINAL ACCEPTANCE OF THE PROJECT. B. CARE SHALL INCLUDE, BUT NOT BE LIMITED TO, REPLACING MULCH THAT HAS BEEN DISPLACED BY EROSION OR OTHER MEANS, REPAIRING AND RESHAPING WATER RINGS OR
- SAUCERS, MAINTAINING STAKES AND GUYS AS ORIGINALLY INSTALLED, WATERING WHEN NEEDED OR DIRECTED, AND PERFORMING ANY OTHER WORK REQUIRED TO KEEP THE C. CONTRACTOR SHALL REMOVE AND REPLACE ALL DEAD, DEFECTIVE AND/OR REJECTED PLANTS AS REQUIRED BEFORE FINAL ACCEPTANCE.
- A. MAINTENANCE SHALL BEGIN IMMEDIATELY AFTER PLANTING. PLANTS SHALL BE WATERED, MULCHED, WEEDED, PRUNED, SPRAYED, FERTILIZED, CULTIVATED, AND OTHERWISE MAINTAINED AND PROTECTED UNTIL PROVISIONAL ACCEPTANCE. SETTLED PLANTS SHALL BE RESET TO PROPER GRADE AND POSITION, PLANTING SAUCER RESTORED AND DEAD MATERIAL REMOVED. STAKES AND WIRES SHALL BE TIGHTENED AND REPAIRED. EFECTIVE WORK SHALL BE CORRECTED AS SOON AS POSSIBLE AFTER IT BECOMES
- APPARENT AND WEATHER AND SEASON PERMIT. B. IF A SUBSTANTIAL NUMBER OF PLANTS ARE SICKLY OR DEAD AT THE TIME OF INSPECTION, ACCEPTANCE SHALL NOT BE GRANTED AND THE CONTRACTOR'S RESPONSIBILITY FOR MAINTENANCE OF ALL PLANTS SHALL BE EXTENDED FROM THE TIME REPLACEMENTS ARE MADE OR EXISTING PLANTS ARE DEEMED ACCEPTABLE BY THE
- C. ALL REPLACEMENTS SHALL BE PLANTS OF THE SAME KIND AND SIZE SPECIFIED ON THE PLANT LIST OR THAT WHICH WAS TO REMAIN OR BE RELOCATED. THEY SHALL BE FURNISHED AND PLANTED AS SPECIFIED. THE COST SHALL BE BORNE BY THE CONTRACTOR, REPLACEMENTS RESULTING FROM REMOVAL, LOSS, OR DAMAGE DUE TO OCCUPANCY OF THE PROJECT IN ANY PART, VANDALISM, PHYSICAL DAMAGE BY ANIMALS, ., AND LOSSES DUE TO CURTAILMENT OF WATER BY LOCAL AUTHORITIES
- SHALL BE APPROVED AND PAID FOR BY THE OWNER. D. PLANTS SHALL BE GUARANTEED FOR A PERIOD OF TWO YEARS AFTER INSPECTION AND PROVISIONAL ACCEPTANCE.
- E. AT THE END OF THE ESTABLISHMENT PERIOD, INSPECTION SHALL BE MADE AGAIN. ANY LANDSCAPE ARCHITECT OR OWNER SHALL BE REMOVED FROM THE SITE AND REPLACED DURING THE NORMAL PLANTING SEASON. LAWN MAINTENANCE
- A. BEGIN MAINTENANCE IMMEDIATELY AFTER EACH PORTION OF LAWN IS PLANTED AND CONTINUE FOR 8 WEEKS AFTER ALL LAWN PLANTING IS COMPLETED. B. WATER TO KEEP SURFACE SOIL MOIST, REPAIR WASHED OUT AREAS BY FILLING WITH TOPSOIL, LIMING, FERTILIZING AND RE-SEEDING; MOW TO 2 1/2 - 3 INCHES AFTER GRASS REACHES 3 1/2 INCHES IN HEIGHT. AND MOW FREQUENTLY ENOUGH TO KEEP GRASS FROM EXCEEDING 3 1/2 INCHES. WEED BY LOCAL SPOT APPLICATION OF SELECTIVE HERBICIDE ONLY AFTER GRASS IS WELL-ESTABLISHED.

TREE PROTECTION NOTES:

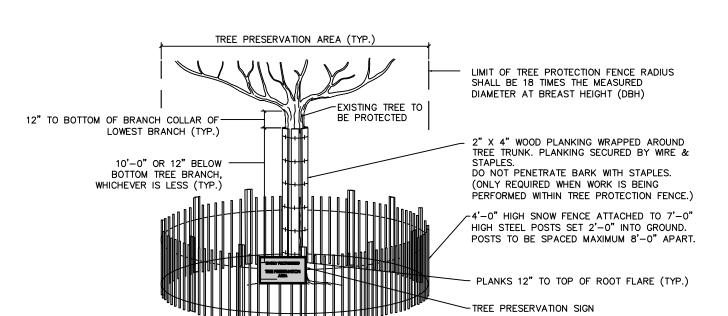
ALL EXISTING TREES WITHIN THE LIMITS OF TREE PROTECTION FENCING, SHALL BE PROTECTED THOUGHOUT THE DURATION OF WORK. TRE PROTECTION FENCING SHALL BE INSTALLED AT THE DRIP-LINE OF THE PROTECTED TREE UNLESS CONDITIONS WARRANT THE FENCE TO BE LOCATED WITHIN THE LIMIT OF BRANCHING. THE PROJECT LANDSCAPE ARCHITECT TO APPROVE THE LOCATION OF ALL FENCING PRIOR TO

2. TREE PROTECTION PLANKING SHALL BE INSTALLED AROUND ALL EXISTING TREES AS NOTED ON THIS DRAWING. REFER TO DETAIL ON THIS

3. TREE PROTECTION FENCING SHALL BE MAINTAINED TO PROTECT TREES AT ALL TIMES. ANY DAMAGED FENCING SHALL BE IMMEDIATELY REPLACED WHEN DAMAGED. 4. IF TREE PROTECTION FENCING NEEDS TO BE MOVED OR BREACHED DUE TO TEMPORARY CONSTRUCTION ACTIVITY WITHIN THE TREE PROTECTION ZONE, THE FENCING WILL BE RESET TO ITS ORIGINAL LOCATION IMMEDIATELY AFTER CONSTRUCTION WITHIN THE TREE

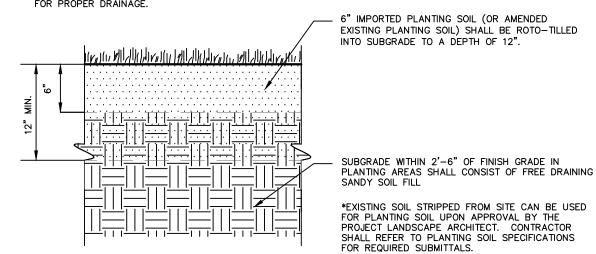
5. DEMOLITION WORK ADJACENT TO PROTECTED TREES SHALL BE PERFORMED BY NON-MECHANICAL METHODS. CONTRACTOR TO PROTECT ROOT MASS AGAINST DAMAGE DURING EXCAVATION. ANY TREE ROOTS THAT ARE DISTURBED, BROKEN, OR CUT SHALL BE PRUNED BACK WITH 6. ALL EXPOSED TREE ROOTS SHALL BE THOROUGHLY IRRIGATED ON A DAILY BASIS AS DIRECTED BY THE PROJECT LANDSCAPE ARCHITECT.

7. ALL WORK TO BE PERFORMED UNDER THE DIRECT SUPERVISION OF EITHER THE OWNER'S REPRESENTATIVE OR THE PROJECT LANDSCAPE

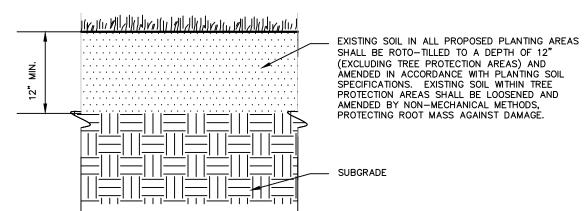


REE PROTECTION FENCE AND PLANKING

DUE TO GENERAL CONSTRUCTION ACTIVITIES AND ADJACENT SITE COMPACTION REQUIREMENTS, SUBGRADE SOILS WITHIN PROPOSED PLANTING AREAS TEND TO BECOME HIGHLY COMPACTED. IN ORDER TO CREATE A HEALTHY GROWTH MEDIUM TO ALLOW PROPOSED PLANTINGS TO ESTABLISH A VIGOROUS ROOT MASS, THIS SUBGRADE SOIL MUST UNDERGO A RESTORATION PROCESS. IN ADDITION, IMPORTED OR AMENDED EXISTING SOILS SHALL BE MIXED WITH SUBGRADE SOILS WHERE THEY MEET IN ORDER TO CREATE A TRANSITIONAL GRADIENT TO ALLOW S" IMPORTED PLANTING SOIL (OR AMENDED



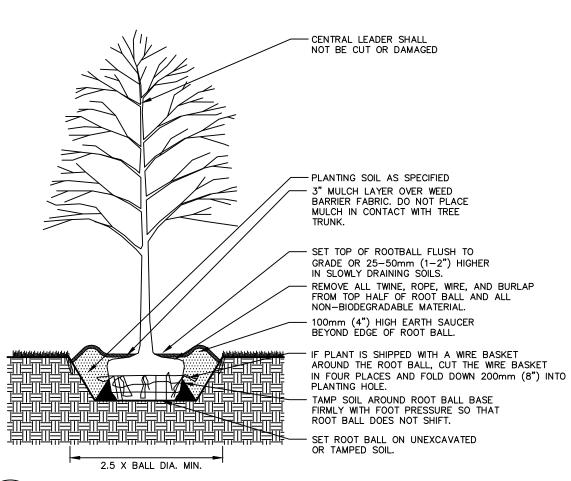
PLANTING SOIL WITHIN AREAS OF CUT OR RAISED GRADE



PLANTING SOIL WITHIN AREAS OF UNCHANGED GRADE

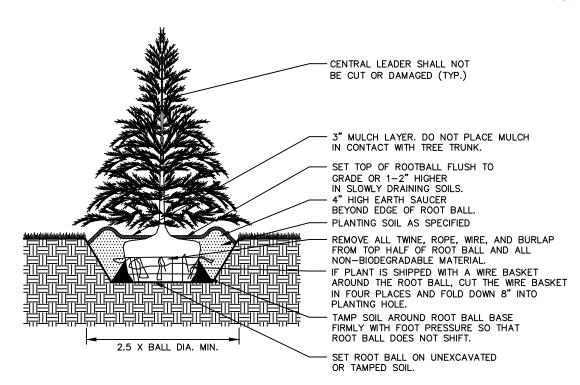
1. CONTRACTOR IS RESPONSIBLE TO SEND SAMPLES OF EXISTING SOILS INTENDED FOR USE IN PLANTING AREAS (1 PER 500 CY.) TO TESTING LABORATORY OR UNIVERSITY COOPERATIVE EXTENSION FOR TESTING. ALL TESTING COSTS ARE AT THE CONTRACTOR'S EXPENSE. 2. RECYCLED CRUSHED CONCRETE AND ASPHALT MILLINGS SHALL NOT BE PLACED WITHIN 2'-6" OF FINISH GRADE IN PROPOSED LANDSCAPE AREAS 3. IMPORTED FILL SHALL CONTAIN NO CONTAMINATION IN EXCEEDENCE OF THE APPLICABLE STATE ENVIRONMENTAL STANDARDS AND MEET THE ENVIRONMENTAL REQUIREMENTS FOR THE PROJECT. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION OF COMPLIANCE PRIOR TO DELIVERY OF ANY FILL TO THE SITE. 4. CONTRACTOR TO LIGHTLY COMPACT ALL PLACED PLANTING SOILS AND RAISE GRADES ACCORDINGLY TO ALLOW FOR FUTURE SETTLEMENT OF PLANTING SOILS (TYP.) 5. NO STONES, WOOD CHIPS, OR DEBRIS LARGER THAN 1/2" SHALL BE ACCEPTABLE WITHIN PLANTING AREAS.

NTS



NTS

LARGE SHRUB (B&B) SMALL SHRUB (CONTAINER) - REMOVE ALL TWINE, ROPE AND WIRE AND BURLAP FROM TOP HALF OF ROO BALL AND ALL NON-BIODEGRADABLE MATERIAL -IF PLANT IS SHIPPED WITH A WIRE BASKET IN FOUR PLACES AND FOLD DOWN 8" INTO 3" MULCH LAYER. KEEP MULCH AWAY FROM SHRUB BASE AND TOP OF ROOTBALL (TYP.) -4" HIGH EARTH SAUCER BEYON WATER INTO ROOTBALL (TYP.). - REMOVE PLASTIC CONTAINER -PLANTING SOIL AS SPECIFIED. FIRMLY WITH FOOT PRESSURE SO THAT ROOT BALL DOES NOT SHIFT (TYP.). -SET ROOT BALL ON UNEXCAVATED 3 TIMES ROOTBALL DIA OR TAMPED SOIL 2. REFER TO LANDSCAPE PLAN FOR SPACING OF INDIVIDUAL PLANTS. 3. REMOVE ALL WIRE, PLASTIC, TAGS OR SYNTHETIC MATERIAL FROM

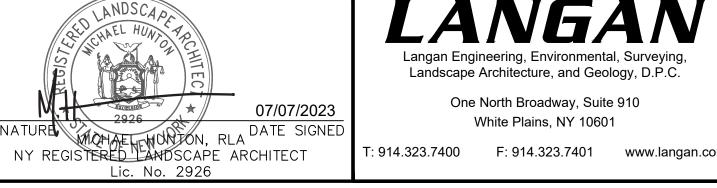


NTS

TOWN OF NEWBURGH APPROVAL BOX **TOWN PROJECT # 2022-29**

Date Description Revisions

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLI 45 FOR ANY PERSON, UNI ESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, LAND SURVEYOR OR GEOLOGIST. TO ALTER THIS ITEM IN ANY WAY.



LANGAN Landscape Architecture, and Geology, D.P.C One North Broadway, Suite 910 White Plains, NY 10601

MATRIX I-84 **DISTRIBUTION CENTER** SECTION No. 86, BLOCK No. 1, LOT No. 97 SECTION No. 89, BLOCK No. 1, LOT No. 66 and 69.11 **TOWN OF NEWBURGH** ORANGE COUNTY **NEW YORK**

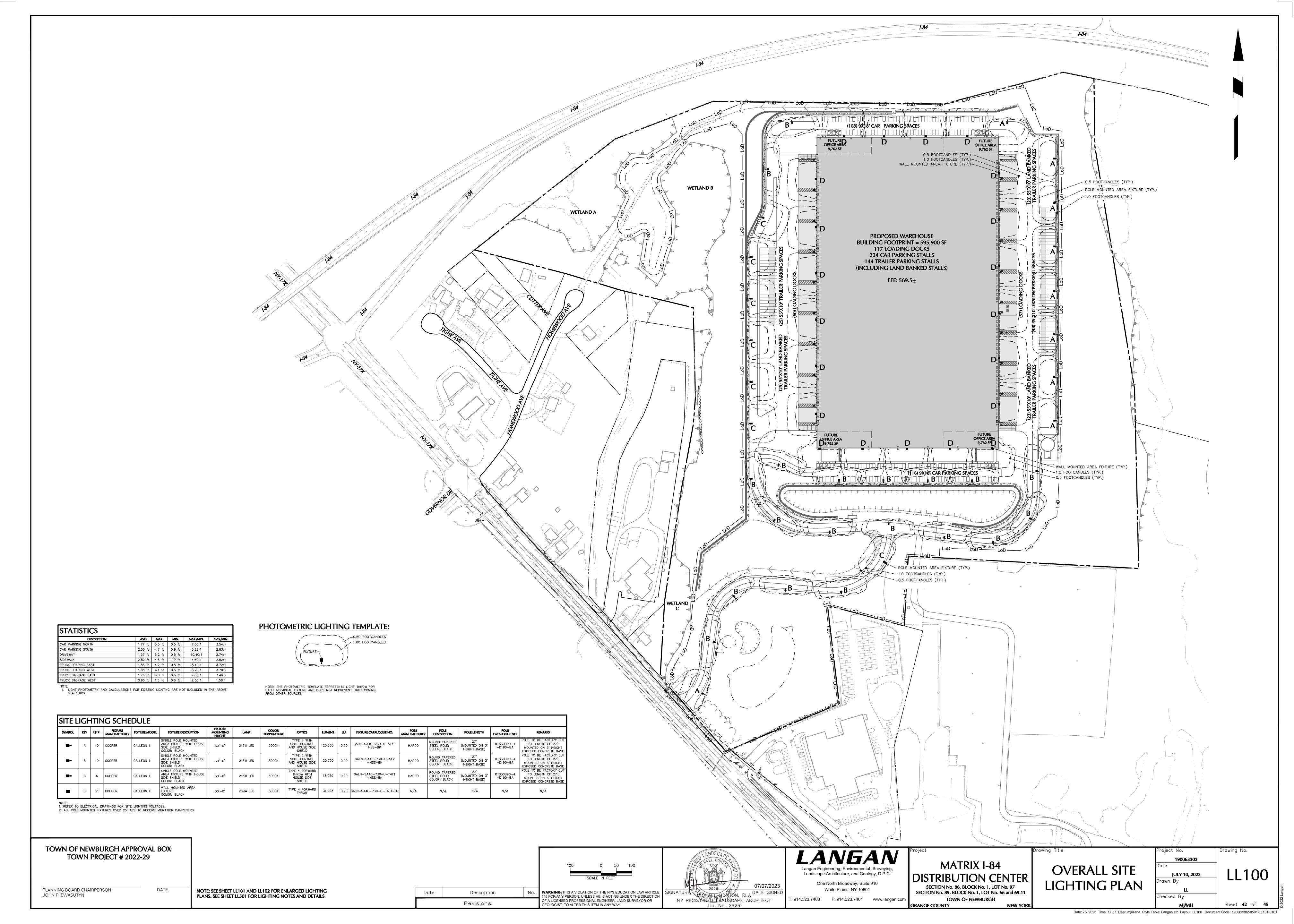
PLANTING NOTES & DETAILS

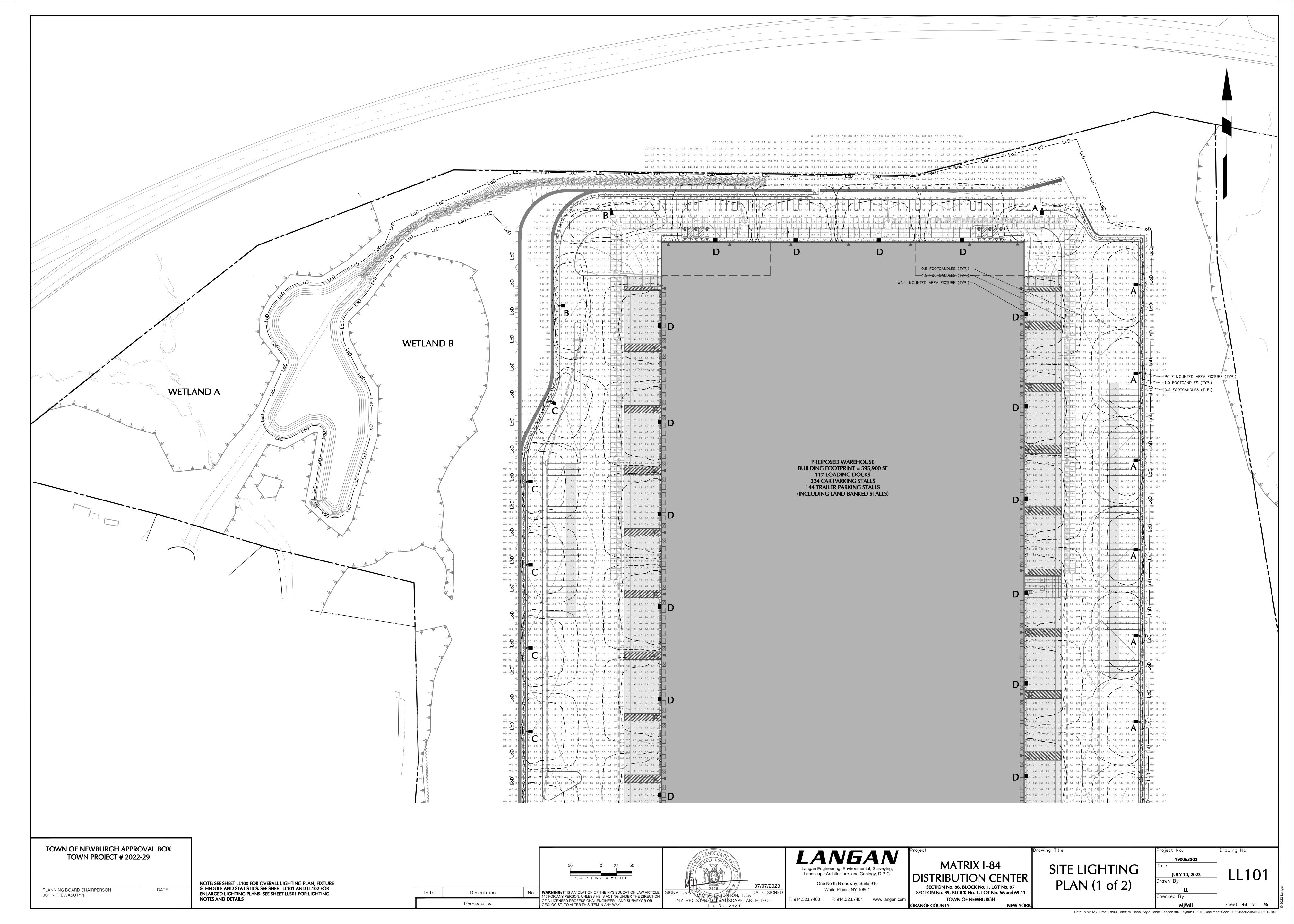
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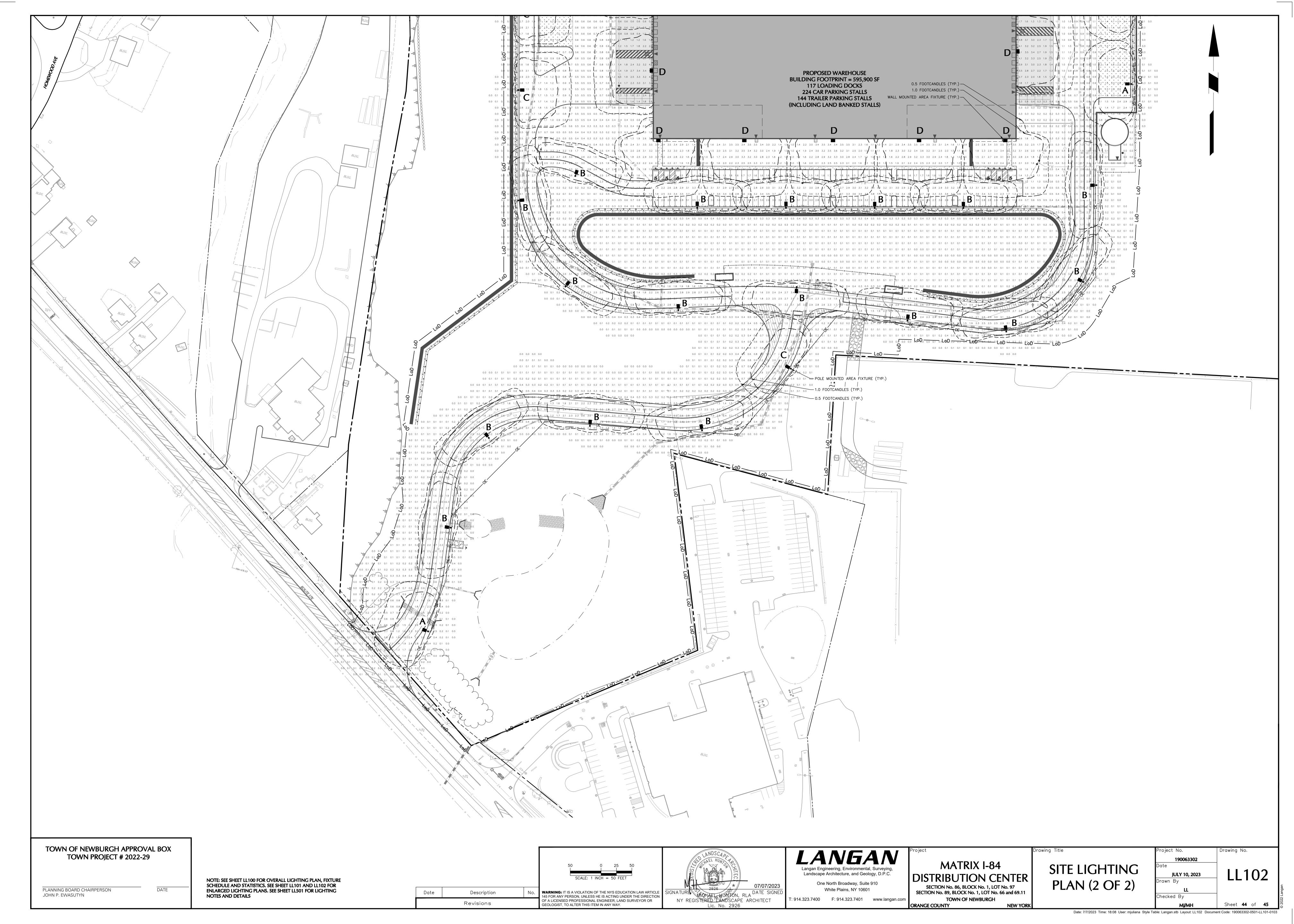
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190063302 LP501 **JULY 10, 2023**

Drawing No.







SITE LIGHTING NOTES:

1. POINT-BY-POINT CALCULATIONS PROVIDED WITHIN HAVE BEEN PREPARED IN ACCORDANCE TO IESNA STANDARDS AND IN CONSIDERATION OF THE VARIABLES WITHIN THESE NOTES AND SITE LIGHTING SCHEDULE. THE VALUES SHOWN ON THE PLANS ARE NOT AN INDICATION OF THE INITIAL LIGHT INTENSITIES OF THE LAMPS. THESE VALUES ARE AN APPROXIMATION OF THE MAINTAINED INTENSITIES DELIVERED TO THE GROUND PLANE USING INDUSTRY STANDARD LIGHT LOSS FACTORS (LLF) WHICH COVER LAMP DEGRADATION AND NATURAL BUILDUP / DIRT DEGRADATION ON THE FIXTURE LENS. THE LIGHTING PLAN IS DESIGNED WITH AN INDUSTRY STANDARD LLF IN ACCORDANCE WITH GUIDANCE AS PROVIDED BY IESNA. MINOR VARIATIONS IN TOPOGRAPHY, PHYSICAL OBSTRUCTIONS, AMBIENT OR ADJACENT LIGHT SOURCES AND/OR OTHER POTENTIAL IMPACTS HAVE NOT BEEN INCLUDED IN THESE CALCULATIONS. THEREFORE, AS-BUILT LIGHT INTENSITIES MAY VARY, IN EITHER DIRECTION, FROM WHAT IS EXPLICITLY PORTRAYED WITHIN THESE DRAWINGS.NO GUARANTEE OF LIGHT LEVELS IS EXPRESSED OR IMPLIED BY THE POINT BY POINT CALCULATIONS SHOWN ON THESE

2. LIGHT LEVEL POINT SPACING IS 10 FT. LEFT TO RIGHT AND 10 FT. TOP TO BOTTOM. POINT BY POINT CALCULATIONS ARE BASED ON THE LIGHT LOSS FACTOR AS STATED IN THE LIGHTING SCHEDULE.

3. ALL SITE LIGHTING RELATED WORK AND MATERIALS SHALL COMPLY WITH CITY, COUNTY, AND OTHER APPLICABLE GOVERNING AUTHORITY REQUIREMENTS.

4. LIGHTING LAYOUT COMPLIES WITH THE ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA (IESNA) SAFETY STANDARDS FOR LIGHT LEVELS.

COORDINATION

5. CONTRACTOR TO COORDINATE POWER SOURCE WITH LIGHT FIXTURES TO ENSURE ALL SITE LIGHTING IS OPERATING EFFECTIVELY, EFFICIENTLY AND SAFELY.

- 6. REFER TO ELECTRIFICATION PLAN FOR PROVIDING ADEQUATE POWER FOR SITE LIGHTING.
- 7. CONTRACTOR TO COORDINATE LOCATION OF EASEMENTS, UNDERGROUND UTILITIES AND DRAINAGE BEFORE DRILLING POLE BASES.
- 8. INSTALLATION OF ALL LIGHTING FIXTURES, POLES, FOOTINGS, AND FEEDER CABLE TO BE COORDINATED WITH ALL SITE WORK TRADES TO AVOID CONFLICT WITH FINISHED AND PROPOSED WORK.
- 9. CONTRACTOR TO COORDINATE INSTALLATION OF UNDERGROUND FEEDER CABLE FOR EXTERIOR LIGHTING WITH EXISTING AND PROPOSED UTILITIES, SITE DRAINAGE SYSTEMS, AND PAVING. CONTRACTOR SHALL PROMPTLY NOTIFY THE OWNER'S REPRESENTATIVE SHOULD ANY UTILITIES, NOT SHOWN ON THE PLANS, BE FOUND DURING EXCAVATIONS.

- 10. PROVIDE A CONCRETE BASE FOR EACH LIGHT POLE AT THE LOCATIONS INDICATED ON THE CONSTRUCTION DRAWINGS AND/OR IN ACCORDANCE WITH PROJECT PLANS AND SPECIFICATIONS RELATING DIRECTLY TO CAST-IN-PLACE CONCRETE. THE USE OF ALTERNATE LIGHTING FOUNDATIONS, SUCH AS PRECAST, MAY CHANGE THE SIZING AND REINFORCEMENT REQUIREMENTS FROM THOSE SHOWN ON THESE PLANS. CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR REVIEW PRIOR TO ORDERING ANY SUBSTITUTED PRODUCTS. 11. CONTRACTOR SHALL EXAMINE AND VERIFY THAT SOIL CONDITIONS ARE SUITABLE TO SUPPORT LOADS EXERTED UPON THE FOUNDATIONS DURING EXCAVATION. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY
- 12. POLE FOUNDATIONS SHALL NOT BE POURED IF FREE STANDING WATER IS PRESENT IN EXCAVATED AREA. 13. ALL POLES HIGHER THAN 25 FT. SHALL BE EQUIPPED WITH FACTORY INSTALLED VIBRATION DAMPENERS.

UNSATISFACTORY CONDITIONS.

14. CONTRACTOR TO COORDINATE INSTALLATION OF ALL THE WALL MOUNTED FIXTURES AND ELECTRICAL CONNECTIONS TO SITE STRUCTURE(S) WITH BUILDING MEP, ARCHITECT, AND/OR OWNER.

15. INSTALLATION AND ELECTRICAL CONNECTIONS FOR WALL MOUNTED FIXTURES TO BE COORDINATED WITH ARCHITECTURAL, STRUCTURAL, UTILITY AND SITE PLANS AND TO BE IN ACCORDANCE WITH ALL APPLICABLE CODES.

ADJUSTMENT AND INSPECTION

- 16. CONTRACTOR TO OPERATE EACH LUMINAIRE AFTER INSTALLATION AND CONNECTION. INSPECT FOR IMPROPER CONNECTIONS AND OPERATION.
- 17. CONTRACTOR TO AIM AND ADJUST ALL LUMINAIRES TO PROVIDE ILLUMINATION LEVELS AND DISTRIBUTION AS INDICATED ON THE CONSTRUCTION DRAWINGS OR AS DIRECTED BY THE LANDSCAPE ARCHITECT AND/OR
- 18. CONTRACTOR TO CONFIRM THAT LIGHT FIXTURES, TILT ANGLE AND AIMING MATCH SPECIFICATIONS ON THE

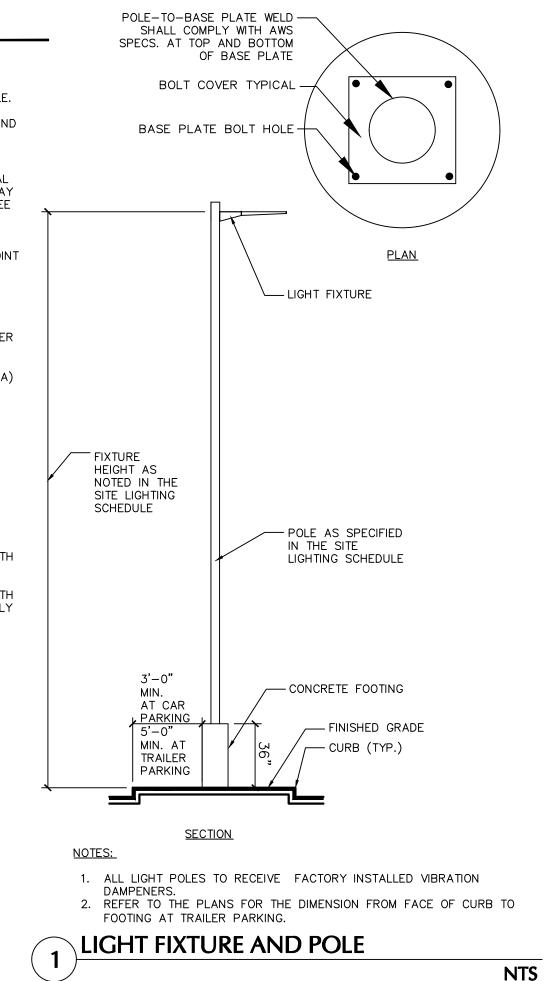
REQUIREMENTS FOR ALTERNATES

19. ALL LIGHTING SUBSTITUTIONS MUST BE MADE WITHIN 14 DAYS PRIOR TO THE BID DATE TO PROVIDE AMPLE TIME FOR REVIEW AND TO ISSUE AN ADDENDUM INCORPORATING THE SUBSTITUTION WITH THE FOLLOWING A. ANY SUBSTITUTION TO LIGHTING FIXTURES, POLES, ETC. MUST BE APPROVED BY THE OWNER, ENGINEER AND TENANTS. ANY COST ASSOCIATED WITH REVIEW AND/OR APPROVAL OF THE SUBSTITUTIONS SHALL

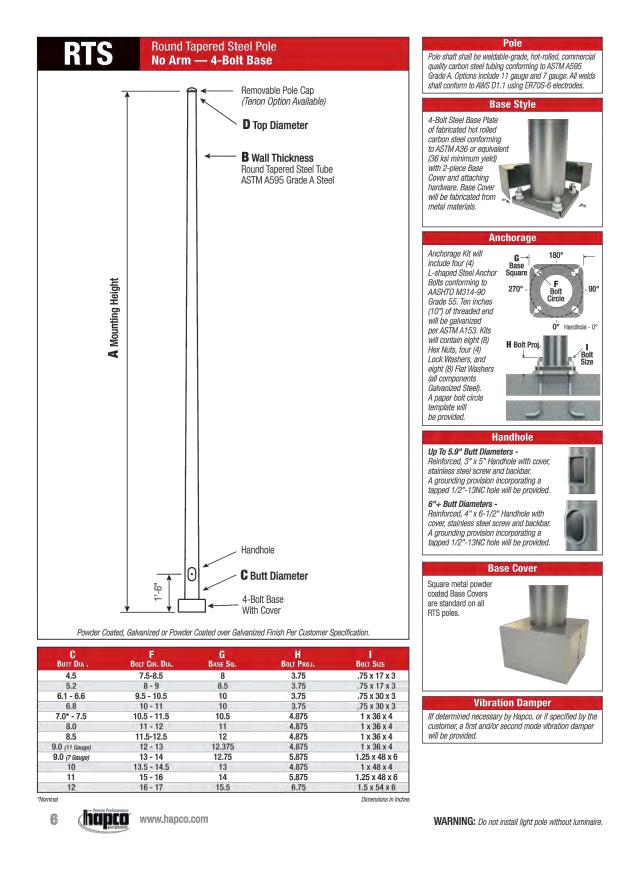
- BE ENTIRELY BORNE BY THE CONTRACTOR B. COMPUTER PREPARED PHOTOMETRIC LAYOUT OF THE PROPOSED LIGHTED AREA WHICH INDICATES, BY ISOFOOTCANDLE, THE SYSTEM'S PERFORMANCE. C. A PHOTOMETRIC REPORT FROM A NATIONAL INDEPENDENT TESTING LABORATORY WITH REPORT NUMBER, DATE, FIXTURE CATALOG NUMBER, LUMINAIRE AND LAMP SPECIFICATIONS: IES CALCULATIONS, POINT BY POINT FOOT CANDLE PLAN, STATISTIC ZONES SHOWING AVERAGE, MAXIMUM, MINIMUM AND UNIFORMITY RATIOS, SUMMARY, ISOLUX PLOT, AND CATALOGUE CUTS. CATALOGUE CUTS MUST IDENTIFY OPTICS, LAMP TYPE, DISTRIBUTION TYPE, REFLECTOR, LENS, BALLASTS, WATTAGE, VOLTAGE, FINISH HOUSING
- DESCRIPTION AND ALL OTHER PERTINENT INFORMATION. D. POLE MANUFACTURER AASHTO CALCULATIONS INDICATING THE POLE AND ANCHOR BOLTS BEING SUBMITTED ARE CAPABLE OF SUPPORTING THE POLE AND FIXTURE SYSTEMS BEING UTILIZED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

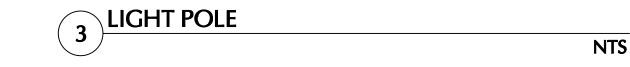
F. A COLOR PHOTOGRAPH THAT CLEARLY SHOWS THE REPLACEMENT FIXTURE POLE MOUNTED, THE

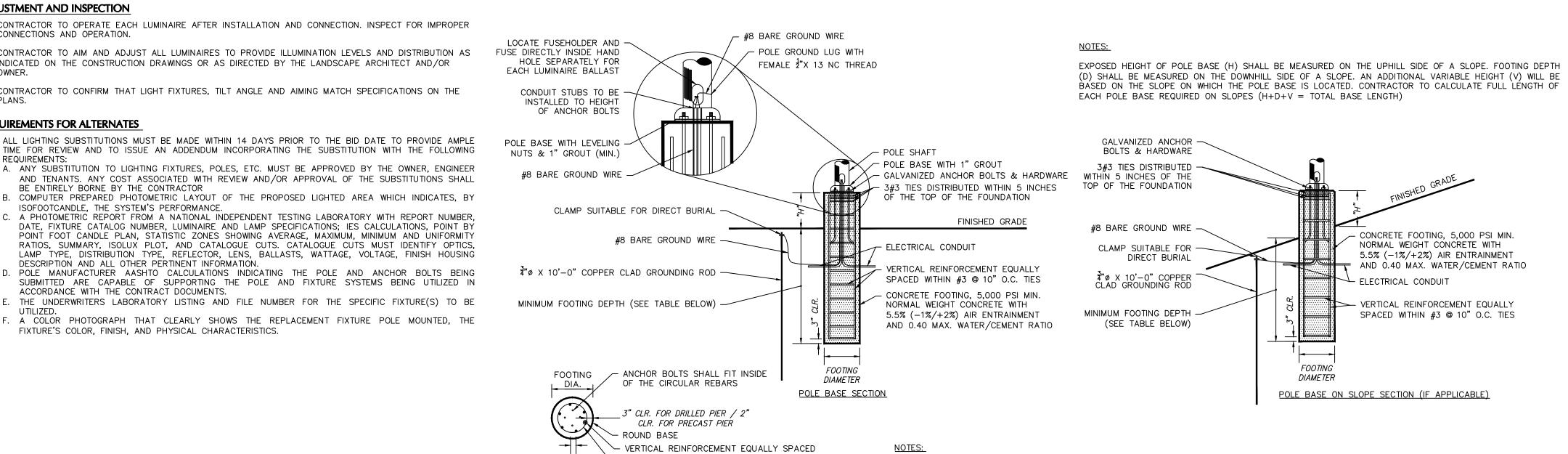
FIXTURE'S COLOR, FINISH, AND PHYSICAL CHARACTERISTICS.











CIRCLE TEMPLATE SHALL BE FURNISHED BY POLE MANUFACTURER.

MOUNTING	FOOTING	FOOTING	VERTICAL	'H'
HEIGHT	DEPTH	DIAMETER	REINFORCEMENT	
30'-0"	8'-0"	2'-0"	6 #5 BARS	3'-0" EXPOSED CONCRETE BASE

<u>PLAN</u>

6" LAP ← #3 TIES AT 10" O.C. WITH 6" LAP

2. EACH STANDARD TO BE PROTECTED AGAINST LIGHTNING WITH AN INTERCONNECTED GROUND ROD. THIS ROD SHALL BE BONDED PER SECTION NUMBER 250-86, N.E.C. 3. CONCRETE WORK SHALL COMPLY WITH THE REQUIREMENT OF ACI 318. CAST-IN-PLACE SHALL HAVE UNCONFINED COMPRESSIVE STRENGTH OF AT LEAST 5,000 PSI AT 28-DAYS. DEFORMED REINFORCEMENT BARS SHALL CONFORM TO ASTM A615, GRADE 60. 4. CONTRACTOR TO ENSURE CONCRETE POLE BASES ARE POURED / PLACED ABSOLUTELY VERTICAL & LEVEL. 5. IF POLE BASE IS CAST-IN-PLACE, POLE BASE SHALL BE ONE CONTINUOUS POUR. EXPOSED PORTION OF BASE SHALL BE HAND-RUBBED SMOOTH

6. CONTRACTOR TO COMPACT SUBGRADE AROUND POLE BASE PER EARTHWORK SPECIFICATIONS / GEOTECH REPORT. THE INFORMATION ILLUSTRATED IN THE LIGHT POLE FOUNDATION DETAIL HAS BEEN PROVIDED FOR GENERAL REFERENCE AND PRELIMINARY COST ESTIMATE PURPOSES. LIGHT POLE FOUNDATIONS SHOULD BE DESIGNED AND DETAILED BY A LICENSED STRUCTURAL ENGINEER BASED ON EXISTING SOIL CONDITIONS, LOCAL DESIGN STANDARDS AND MANUFACTURERS RECOMMENDATIONS. 8. CONTRACTOR TO CONFIRM GROUNDING DESIGN WITH MEP.

1. SHAFT CAP, ARMS, BASE FLANGE, ANCHOR BOLTS, LEVELING NUTS, CONNECTION HARDWARE, BOLT COVERS, HANDHOLE COVER, AND BOLT

LIGHT POLE BASE

NTS

TOWN OF NEWBURGH APPROVAL BOX **TOWN PROJECT # 2022-29**

PLANNING BOARD CHAIRPERSON JOHN P. EWASUTYN

NOTE: SEE SHEET LL100 FOR OVERALL LIGHTING PLAN, FIXTURE SCHEDULE AND STATISTICS. SEE SHEET LL101 AND LL102 FOR **ENLARGED LIGHTING PLANS.**

Description Revisions GEOLOGIST, TO ALTER THIS ITEM IN ANY WAY.





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NEW YORK

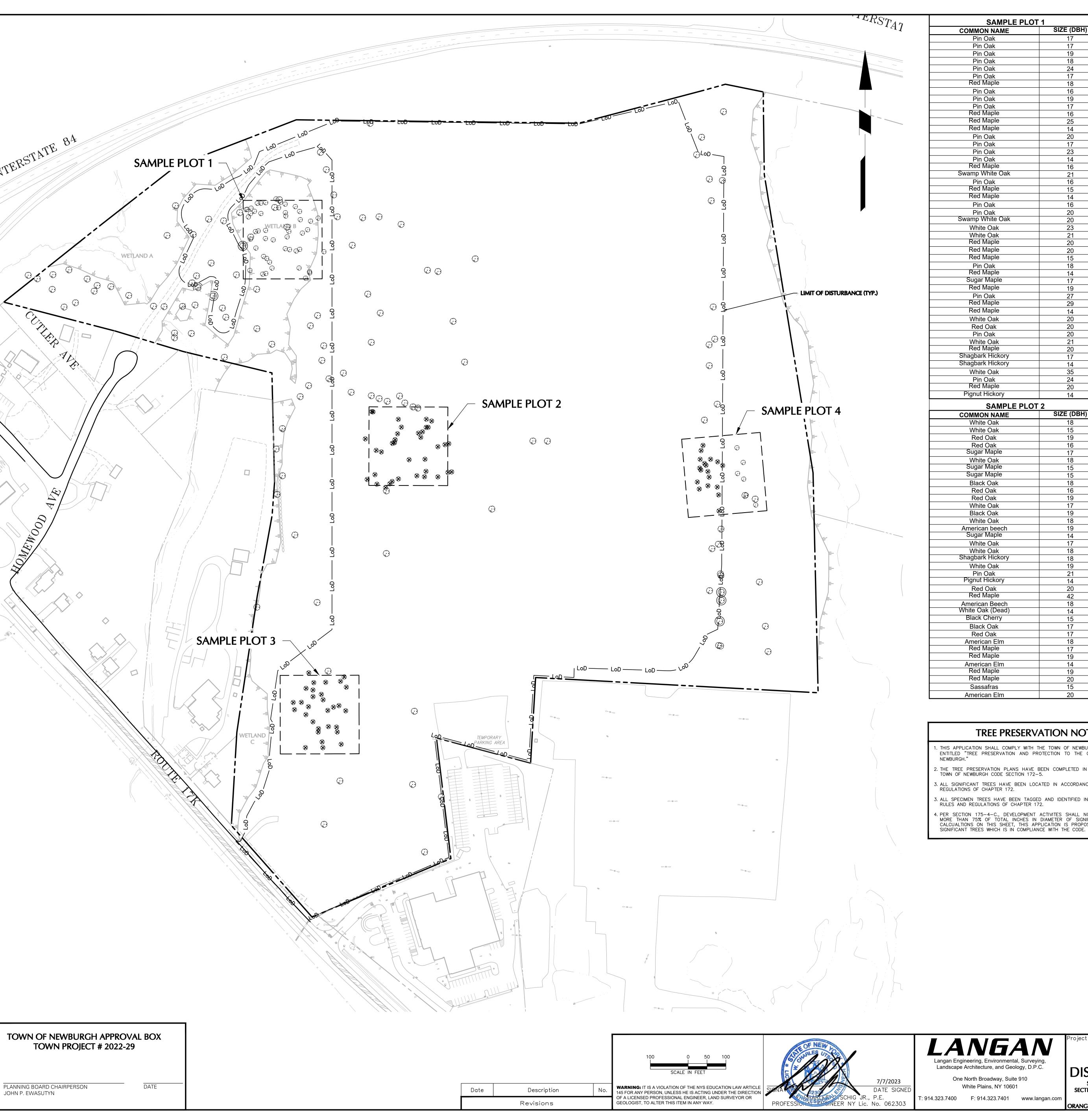
ORANGE COUNTY

SITE LIGHTING **NOTES & DETAILS**

190063302 **JULY 10, 2023** Checked By

Date: 7/7/2023 Time: 17:58 User: mjuliana Style Table: Langan.stb Layout: LL501 Document Code: 190063302-0501-LL501-0101

Drawing No. LL501



		T		
SAMPLE PLO		SAMPLE PLOT 3		
COMMON NAME	SIZE (DBH)	COMMON NAME American Elm	SIZE (DBH)	
Pin Oak Pin Oak	17	Norway Maple		
Pin Oak	19	American Elm (Dead)	14	
Pin Oak	18	White Oak	16	
Pin Oak	24	American Elm	15	
Pin Oak	17	Pin Oak	14	
Red Maple	18	Red Oak	14	
Pin Oak	16	Sugar Maple	14	
Pin Oak	19	White Oak	18	
Pin Oak	17	Norway Maple	19	
Red Maple	16	White Oak	16	
Red Maple	25	Red Oak	20	
Red Maple	14	White Oak	14	
Pin Oak	20	Red Maple Black Cherry	19	
Pin Oak	17	Sugar Maple	14 18	
Pin Oak Pin Oak	23	Pin Oak	18	
Red Maple	16	Pin Oak	14 18	
Swamp White Oak	21	Black Oak	18	
Pin Oak	16	Sugar Maple	16	
Red Maple	15	Sugar Maple	20	
Red Maple	14	Sugar Maple	20	
Pin Oak	16	White Oak (Dead)	15	
Pin Oak	20	Black Oak	16	
Swamp White Oak	20	Pin Oak	16	
White Oak	23	Black Oak	22	
White Oak	21	Sugar Maple	16	
Red Maple	20	Eastern Red Cedar	14	
Red Maple	20	Shagbark Hickory	16	
Red Maple	15			
Pin Oak	18	SAMPLE PLOT		
Red Maple	14	COMMON NAME	SIZE (DBH)	
Sugar Maple	17	White Oak	48	
Red Maple	19	Pignut Hickory	16	
Pin Oak	27	Tree-of-Heaven	18	
Red Maple	29	Sweet Birch	18	
Red Maple	14	White Oak Sassafras	30	
White Oak	20	Red Maple	14 18	
Red Oak	20	Pignut Hickory	21	
Pin Oak	20	Pignut Hickory	18	
White Oak	21	Red Oak	16 15	
Red Maple	20	Sugar Maple	14	
Shagbark Hickory	17	Tree-of-Heaven	14	
Shagbark Hickory	14	Yellow Birch	14	
White Oak	35	Pignut Hickory	15	
Pin Oak	24	Shagbark Hickory	20	
Red Maple	20	Sugar Maple	16	
Pignut Hickory	14	Pignut Hickory	25	
SAMPLE PLO	T 2	Pignut Hickory	16	
COMMON NAME	SIZE (DBH)	White Oak	15	
White Oak	18	White Oak	15	
White Oak	15	White Ash	19	
Red Oak	19	Red Oak	19	
Red Oak	16	Norway maple	20	
Sugar Maple	17	Norway maple	20	
White Oak	18	Total Significant Tree Inches		
Sugar Maple	15	Over 4 Acres	2,472	
Sugar Maple	15	(Excluding Dead Trees)	,	
Black Oak	18	1		
Red Oak	16	Existing Wooded Area Oneita (Acres)	00.0=	
Red Oak	19	Existing Wooded Area Onsite (Acres)	39.25	
White Oak	17			
Black Oak	19	Total Significant		
White Oak	18	Total Significant Tree Inches	24,257	
American beech	19	Over Wooded Area Onsite	_ ·, _ · .	
Sugar Maple	14	_		
White Oak	17	75% of Total Significant		
White Oak	18	Tree Inches	18,192	
Shagbark Hickory	18	Over Wooded Area Onsite	10,132	
White Oak	19	(Allowable Removal in Inches)		
Pin Oak	21	-		
Pignut Hickory	14	Proposed Tree Removal	26.1	
Red Oak	20	(Acres)		
Red Maple	42	-		
American Beech	18	Proposed Significant Tree Bemarie		
White Oak (Dead) Black Cherry	14	Proposed Significant Tree Removal (Inches)	16,130	
<u>*</u>	15	- (
Black Oak	17	-		
Red Oak	17	Proposed Significant Tree Removal (%)	66.50%	
American Elm Red Maple	18		00.30%	
Red Maple Red Maple	17	-		
<u>'</u>	19	-		
American Elm	14 19	-		
Neu Manie	1.9			
Red Maple Red Maple				
Red Maple	20			
•				

TREE PRESERVATION NOTES

1. THIS APPLICATION SHALL COMPLY WITH THE TOWN OF NEWBURGH CODE CHAPTER 172 ENTITLED "TREE PRESERVATION AND PROTECTION TO THE CODE OF THE TOWN OF

- 2. THE TREE PRESERVATION PLANS HAVE BEEN COMPLETED IN ACCORDANCE WITH THE TOWN OF NEWBURGH CODE SECTION 172-5.
- 3. ALL SIGNIFICANT TREES HAVE BEEN LOCATED IN ACCORDANCE WITH THE RULES AND REGULATIONS OF CHAPTER 172.
- 3. ALL SPECIMEN TREES HAVE BEEN TAGGED AND IDENTIFIED IN ACCORDANCE WITH THE RULES AND REGULATIONS OF CHAPTER 172. 4. PER SECTION 175-4-C., DEVELOPMENT ACTIVITES SHALL NOT REMOVE OR DISTURB MORE THAN 75% OF TOTAL INCHES IN DIAMETER OF SIGNIFICANT TREES. PER THE CALCUALTIONS ON THIS SHEET, THIS APPLICATION IS PROPOSING 66.5% REMOVAL OF SIGNIFICANT TREES WHICH IS IN COMPLIANCE WITH THE CODE.

	•	SPECIMEN IR	SPECIMEN TREES						
NO.	COMMON NAME	SIZE (DBH)	NOTES						
101	Swamp White	25	TO REMAIN TO REMAIN						
102	White Oak	39							
103	White Oak	26	TO REMAIN						
104	Sugar maple	33	TO REMAIN						
105	Black Oak	30	TO REMAIN						
106	Black Oak	24	TO REMAIN						
107	Black Oak	26	TO REMAIN TO REMAIN						
108	White Oak	38							
109 110	Black Oak White Oak	25 26	TO REMAIN TO REMAIN						
111	Red Oak Pin Oak	26 27	TO REMAIN TO REMAIN						
113 114	Eastern cottonwood Red Maple	31 36	TO REMAIN TO REMAIN TO REMAIN						
114 115 116	Red Maple Eastern cottonwood	28	TO REMAIN TO REMAIN TO BE REMOVED						
116 117 118	Red Oak Red Maple	24 25 24	TO BE REMOVED TO BE REMOVED TO BE REMOVED						
119	Red Maple Swamp White	25	TO BE REMOVED						
120	Cottonwood	24 25	TO REMAIN TO REMAIN						
122	Swamp White Red Oak	26 33	TO REMAIN TO REMAIN						
124 125	Swamp White Swamp White	25 30	TO REMAIN TO REMAIN						
126	Black Oak	38	TO BE REMOVED TO BE PROTECTED						
127	Red Oak	26							
128	White Oak	33	TO BE PROTECTED TO BE REMOVED						
129	Black Oak	24							
130	Black Oak	30	TO BE REMOVED TO REMAIN						
131	Pin Oak	25							
132	Red Maple	24/20	TO BE PROTECTED TO BE REMOVED						
133	Red Maple	29							
134 135	Pin Oak Pin Oak	24	TO REMAIN TO REMAIN						
136	Red Oak	24	TO BE REMOVED TO REMAIN TO REMAIN						
137	Red Maple	26							
138	Red Oak	25							
139 140	Red Maple Pin Oak	25 32	TO REMAIN TO REMAIN						
141	Red Maple	27	TO REMAIN						
142	Cottonwood	24	TO REMAIN						
143	Red Maple Cottonwood	27 37	TO REMAIN TO BE REMOVED						
145 146 147	American Beech Red Oak Black Oak	24 29 25	TO BE REMOVED TO BE REMOVED TO BE REMOVED						
148 149	Red Oak White Oak	25 25 25	TO BE REMOVED TO BE REMOVED						
150	White Oak	24	TO BE REMOVED TO BE REMOVED						
151	Red Oak	33							
152	Red Oak	24	TO BE REMOVED TO BE REMOVED TO BE REMOVED						
153	White Oak	32							
154	Red Oak	27							
155	Black Oak	25	TO BE REMOVED TO BE REMOVED TO BE REMOVED						
156	Red Oak	37							
157	Red Maple	36	TO BE REMOVED TO BE REMOVED						
158	Red Oak	30							
159	Red Oak	37	TO REMAIN TO REMAIN						
160	White Oak	29							
161 162 163	White Oak Red Oak Red Oak	27 25 27	TO REMAIN TO REMAIN TO BE PROTECTED						
164	Black Oak	27	TO BE REMOVED TO BE REMOVED						
165	Red Oak	25							
166	White Oak	24	TO BE REMOVED TO BE REMOVED						
167	White Oak	41							
168 169 170	White Oak White Oak White Oak	25 27 25	TO BE REMOVED TO BE REMOVED TO BE REMOVED						
171 172	Red Oak Red Maple	24 24	TO REMAIN TO REMAIN						
173	Swamp White	25	TO REMAIN						
174	White Oak	35	TO REMAIN						
175	Red Maple	25	TO REMAIN TO REMAIN TO BE REMOVED						
176	Black Locust	35							
177	Silver maple	37							
177 178 179	White Oak Pignuthickory	24	TO REMAIN TO REMAIN						
180 181	Sugar maple American Beech	24 24	TO BE REMOVED TO BE REMOVED						
182	Norway Maple	25	TO REMAIN TO BE REMOVED						
183	Mockernut	25							
184	Red Oak	27	TO BE REMOVED TO BE REMOVED TO BE REMOVED						
185	Sugar maple	32							
186	Norway Maple	27							
187	Black oak	33	TO BE REMOVED TO BE REMOVED						
188	Pignut	32							
189	Norway Maple	26	TO BE REMOVED TO BE REMOVED						
190	Norway Maple	27							
191	Sugar maple	26	TO BE REMOVED TO BE REMOVED TO BE REMOVED						
192	Sugar maple	27							
193	Red Oak	34							
193 194 195	White Oak Red oak	33 24	TO REMAIN TO REMAIN						
196	White Oak	31	TO BE PROTECTED TO BE PROTECTED						
197	Sugar maple	25							
198	Mockernut	25	TO BE PROTECTED TO BE REMOVED						
199	Red Oak	25							
200	Pignut	24	TO BE REMOVED TO BE REMOVED TO BE REMOVED						
201	White Oak	25							
202	Red Oak	25							
203	Pignut Red Oak	25 25 32	TO BE REMOVED TO BE REMOVED TO BE REMOVED						
205	Red Oak	34	TO BE REMOVED TO BE REMOVED						
206	Pignut	24							
207	Tulip poplar White Oak	24 26	TO BE REMOVED TO BE REMOVED						
209	Red Oak	33	TO BE REMOVED TO BE REMOVED TO REMAIN						
210	Black Oak	24							
211	Tulip poplar	27/16							
212 213	Black Oak Sugar maple	277 27 24	TO REMAIN TO BE REMOVED						
214	Pignuthickory	27	TO REMAIN						
215	White Oak	48	TO REMAIN						
216 217	Red Oak Red Oak	24 25	TO BE REMOVED TO BE REMOVED						
218	Black Oak	26	TO REMAIN TO REMAIN TO REMAIN						
219	Tulip poplar	24							
220	Red Oak	24							
221 222	Pin Oak Swamp White	24 26 26	TO REMAIN TO BE REMOVED TO REMAIN						
	Total Specimen Tree Inches	3,338							
	1166 11161162								
	Total Specimen	1,691							

Langan Engineering, Environmental, Surveying, Landscape Architecture, and Geology, D.P.C. One North Broadway, Suite 910

MATRIX I-84 DISTRIBUTION CENTER SECTION No. 86, BLOCK No. 1, LOT No. 97 SECTION No. 89, BLOCK No. 1, LOT No. 66 and 69.11 **TOWN OF NEWBURGH** ORANGE COUNTY **NEW YORK**

OVERALL TREE PRESERVATION PLAN

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