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TOWN OF NEWBURGH PLANNING BOARD TECHNICAL REVIEW COMMENTS

PROJECT:MATRIX BUSINESS PARKPROJECT NO.:15-26PROJECT LOCATION:SECTION 95, BLOCK 1, LOTS 4.12, 54.1, 69.25 & 49.12REVIEW DATE:14 SEPTEMBER 2015MEETING DATE:17 SEPTEMBER 2015PROJECT REPRESENTATIVE:LANGAN ENGINEERING

- 1. The Planning Board should declare its intent for Lead Agency for the SEQRA review of the project.
- The Planning Board should discuss with the Applicant the scope of the traffic study. A
 preliminary traffic report has been submitted with limited intersections to be studied. Ken
 Wersted's comments regarding the intersections to be studied, based on traffic counts should
 be received.
- 3. Long Form EAF identifies multiple potential threatened/endangered species. Reports identified in the EAF should be submitted to the Planning Board and circulated with Notice of Intent for Lead Agency.
- 4. Orange County Planning referral is required.
- 5. Lead Agency Coordination should include referrals to NYSDEC, NYSDOT, New York State Thruway Authority and FAA/Port Authority. The Board may wish to include the City of Newburgh, Orange County Planning and Health Department as interested agencies. Mike Donnelly's comments regarding the Zoning Board of Appeals status should also be received.
- 6. Applicant's Representative should discuss the need for an emergency access to the site from the Corporate Boulevard frontage. In addition, the Applicants are requested to contact the Town Engineer with regard to potential looping of the water main out to Corporate Boulevard.
- 7. Jurisdictional determination from Army Corps for all wetlands on the site should be received. Grading is at or near wetland boundaries in many cases.
 - Regional Office 111 Wheatfield Drive Suite 1 Milford, Pennsylvania 18337 570-296-2765 •



Member

- 8. A Storm Water Pollution Prevention Plan has been submitted and is being reviewed. Separate SWPPP comments will be provided.
- 9. Note 13 on Sheet CG-101 reference a protection of water permits from the NYSDEC. Is a protection of water permit required for the project?
- 10. The Applicant should discuss with the Planning Board the construction phasing of the project. Two construction phases are identified regarding Warehouse A and Warehouse B. Plans must address separate construction phasing should Warehouse B not be constructed and completed simultaneously with proposed Warehouse A. Definitive construction limits must be submitted and approved by Code Enforcement such that Warehouse A and its associated site plan can stand alone should Warehouse B construction be delayed or not undertaken. Landscaping and visual considerations for Warehouse B area should be discussed with the Planning Board.
- 11. Plans for the Route 17K access drive being prepared for DOT should be submitted to the Planning Board for review. Ken Wersted and the Planning Board should receive all correspondence with NYSDOT for the project.
- 12. Coordination with the FAA/Port Authority should be undertaken to assure that no impacts will result from the project.
- 13. Height of proposed access road lighting should be discussed with the Planning Board. 40 foot wooden light poles are depicted on the plans.
- 14. Offsite grading is depicted on the easterly portion of the access road. Easements and other agreements should be submitted to Planning Board Attorney for review.
- 15. Extensive retaining walls are proposed on the site. Details of the retaining walls should be provided for architectural review and building permits along with stamped design plans must be submitted prior to construction.
- 16. The Orange County Health Department approval for water main extension with hydrants is required.
- 17. The plans identify overhead electrical throughout the project while notes identify underground. Is overhead electrical utility lines proposed for the project?
- 18. Access to all drainage features should be provided. Access road should extend to detention pond outlet structures, particularly the easterly most detention pond in order to provide long term operation and maintenance.
- 19. Provide invert for overflow weir on easterly sediment pond to large bio-retention area.
- 20. Erosion and sediment control, as well as specialized construction techniques for the 100^{+/-} foot slope along the easterly side of the project should be further detailed. Interim swales and a sediment trap are identified within the slope. No erosion and sediment control or storm water management is provided prior to discharge of the run off of the slope into the large federal jurisdictional wetland area along the eastern project boundary. Interim measures will be

terminated prior to stabilization of the slope due to their location within the fill area.

- 21. Point discharges from all Storm Water Management Facilities should be further evaluated. Large easterly detention pond has a point discharge to a wetland area. However, the area depicted as a wetland contains significant slopes towards the NYS Thruway. Impacts of these point discharges to the Thruway, as well as the westerly parcel fronting on Route 17K, should be evaluated. Construction of point discharge do not exist today which are not immediately tributary to a natural water course are a concern.
- 22. Storm Water Management Facilities which contain ponded water must be fenced per Town's standard. Fencing should be depicted on all stormwater features which have ponded water.
- 23. City of Newburgh Flow Acceptance letter is required prior to any approvals. A project narrative, identifying the scope of project, and the anticipated hydraulic loading from the project build out should be submitted to the Town Engineer to be forwarded to the City of Newburgh.
- 24. Water flow and pressure analysis should be provided to determine that adequate flow and pressure exists for the subject project. Information from the Town's Water Department should be utilized to determine pressure at existing mains on Route 17K vs. building elevations proposed.
- 25. The Applicants should discuss what triggers the requirement to construct land banked passenger vehicle and trailer spaces depicted on the plans.
- 26. The Applicant's Representative is requested to evaluate whether blasting will be required on the site based on proposed cuts. EAF identifies bedrock at approximately 15-30 feet.

Respectfully submitted,

McGoey, Hauser and Edsall Consulting Engineers, D.P.C.

Patrick J. Hines Principal

David R. Everett Partner 518.487.7743 phone <u>deverett@woh.com</u>

WHITEMAN OSTERMAN & HANNA LLP

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Attorneys at Law

One Commerce Plaza Albany, New York 12260 518.487.7600 phone 518.487.7777 fax

September 11, 2015

<u>Via Hand Delivery</u> John P. Ewasutyn, Chairman Town of Newburgh Planning Board 308 Gardnertown Road Newburgh, New York 12550

Re: Site Plan Application – Matrix Business Park at Newburgh Newburgh Planning Board Project No. 2015-26

Dear Chairman Ewasutyn:

We represent Matrix Newburgh I, LLC ("Matrix"). Matrix is pleased to submit the enclosed site plan application for the Matrix Business Park at Newburgh pursuant to Town of Newburgh Code § 185-57. The proposed project will be located on the north side of Route 17k across the street from Orr Road. The project consists of a 565,320-sf multi-tenant warehouse building and associated site work, including, among other things, clearing, grading, drainage, paving, utilities, signage, lighting and landscaping.

AmerisourceBergen, a Fortune 50 company and a leading global pharmaceutical sourcing and distribution company will be the initial tenant in the building and will occupy approximately 317,500 square feet of the building. The Project will generate substantial tax revenues for the Town as well as provide numerous construction and permanent jobs for local residents.

We are seeking preliminary and final site plan review and approval as provided in the Town Code § 185-57. The enclosed application includes the following materials:

- 15 copies- Town of Newburgh Site Plan Application and associated forms, including a Project Narrative. Site Plan Checklist, etc.
- 15 copies- Clearing and Grading Permit application
- 15 copies- SEQRA Long Form EAF
- 15 copies- Preliminary Site Plan Drawings prepared by Langan Engineering dated September 9, 2015 (29 sheets)
- 15 copies- Building Elevations and Floor Plans prepared by KSS Architects dated September 10, 2015 (2 sheets)
- 7 copies- Preliminary Traffic Assessment prepared by Langan Engineering;

John P. Ewasutyn, Chairman September 11, 2015 Page 2

- 2 copies- Stormwater Pollution Prevention Plan dated September 9, 2015 prepared by Langan Engineering;
- Checks as follows:
 - (1) Site Plan Application Fee: \$88,032.00
 - (2) Professional Review Fees: \$116,064.00
 - (3) Public Hearing Fee: \$150.00
 - (4) Clearing and Grading Permit Application Fee: \$500.00

The proposed project is a Type I action under SEQR. While this submission includes a Long Form EAF, we will be submitting additional documentation to the Planning Board to demonstrate that the project will not create any significant adverse impacts on the environment and that a Negative Declaration is warranted under SEQRA.

Furthermore, we believe that the project may require minor variances for building height, signage and the construction of slopes in excess of 4:1. We would like to discuss these potential variances with the Planning Board and obtain direction as to whether such variances are required. If so, we would like to request a prompt referral to the Zoning Board of Appeals.

Finally, pursuant to Town Code § 185-57 (E), we are requesting that the Planning Board waive the submission of the following site plan information as required in the Town Code: (1) sketch plan (as required by Town Code 185-57(B)); and (2) the location of all trees 8" diameter measured four feet above the ground (as required by Town Code § 185-57 (D) (13)).

We respectfully request that the Planning Board place this application on the next available agenda for consideration. We look forward to working with the Planning Board on this exciting new project for the Town of Newburgh.

<u>Very</u> truly yours,

David R. Everett

Encs.

c:

Ken Griffin (Matrix) Michael Donnelly, Esq.- Dickover, Donnelly & Donovan, LLP Patrick Hines - McGoey, Hauser and Edsall Consulting Engineers P.C. Kenneth Wersted - Creighton Manning Engineering, LLP

TOWN OF NEWBURGH APPLICATION FOR SUBDIVISION/SITE PLAN REVIEW

RETURN TO: Town of Newburgh Planning Board 308 Gardnertown Road Newburgh, New York 12550

DATE RECEIVED: _____

TOWN FILE NO:____

(Application fee returnable with this application)

1. Title of Subdivision/Site Plan (Project name): MATRIX BUSINESS PARK AT NEWBURGH

2. Owner of Lands to be reviewed:

Name	MATRIX NEWBURGH I, LLC
Address	EORSGATE DRIVE
	CBANBURY, NEW JERSEY 08512
Phone	(732)521-2900
	SECTION 95, BLOCK 1, LOT TBD (portion of prior lots 4.12, 54.1, 69.25, and 49.12)

3. Applicant Information (If different than owner):

Name
Address

MATRIX NEWBURGH I, LLC FORSGATE DRIVE CRANBURY, NEW JERSEY 08512

Representativ	e KENNETH A. GRIFFIN
Phone	(732)521-2900
Fax	(609)395-8289
Email	KGRIFFIN@MATRIXCOMPANIES.COM

4. Subdivision/Site Plan prepared by:

Name	LANGAN ENGINEERING, ENVIRONMENTAL, SURVEYING AND LANDSCAPE ARCHITECTURE, D.P.C
Address	707 WESTCHESTER AVE, SUITE 304
	WHITE PLAINS, NY 10604

Phone/Fax <u>914-323-7400</u>

5. Location of lands to be reviewed: <u>ROUTE 17K, TOWN OF NEWBURGH, ORANGE COUNTY, NEW YORK</u>

6.	Zone IB DISTRICT		Fi	re District 🧕	DRANGE LAKE FIRE DISTRICT
	Acreage 71.7 AC		Sc	hool District	NEWBURGH ENLARGED CITY
	~				SCHOOL DISTRICT
7.	Tax Map: Section	95	Block	1	Lot LOT TBD (portion of prior lots
			-		4.12, 54.1, 69.25, and 49.12)

8.	Project Description and Purpose of Review:				
	Number of existing lots Number of proposed lots				
	Lot line change				
	Site plan review				
	Clearing and grading				
	Other				

PROVIDE A WRITTEN SINGLE PAGE DESCRIPTION OR NARRATIVE OF THE PROJECT

- 9. Easements or other restrictions on property: (Describe generally) ______ Easements of Record as shown on survey
- 10. The undersigned hereby requests approval by the Planning Board of the above identified application and scheduling for an appearance on an agenda:

Title ______Manager- Matrix Newburgh I LLC Signature Blith Date:

<u>NOTE:</u> If property abuts and has its access to a County or State Highway or road, the following information must be placed on the subdivision map or site plan: entrance location, entrance profile, sizing of pipe (minimum length of pipe to be 24 feet).

The applicant will also be required to submit an additional set of plans, narrative letter and EAF if referral to the Orange County Planning Department is required under General Municipal Law Section 239.

Project Narrative The Matrix Business Park at Newburgh

Matrix Newburgh I, LLC proposes a warehouse distribution center to be known as "The Matrix Business Park at Newburgh" (the "Project") at the interchange of the New York State Thruway/I-87 and Interstate 84 in the Town of Newburgh. It consists of a 565,320-sf multi-tenant warehouse building and associated site work, including, among other things, clearing, grading drainage, paving, utilities, signage, lighting and landscaping.

The Project is located in the Town's Interchange Business (IB) zoning district, which includes "warehouse, storage, and transportation facilities," as permitted uses, subject to site plan review and approval by the Planning Board. The plan potentially requires minor variances and/or waivers for building height, signage, and slopes in excess of 4:1. We will seek the Board's direction on these matters, including referral to the ZBA if deemed necessary. Documentation will be provided to address any variances and/or waivers required. Also, as provided for in the Town Code, we are filing an application for a Clearing and Grading Permit for the Board's simultaneous review and approval in conjunction with the site plan application.

It should be noted that the property recently received approval for a Lot Line Change from the Planning Board. The associated lot numbers for the new parcels have not yet been finalized but will be included on future plans as revisions are made to address comments received from Board's professionals.

The proposed project constitutes a Type I action under SEQR. We will submit a Long Form EAF and related documentation to demonstrate that a Negative Declaration should be warranted for the Project.

The site is bounded by the NYS Thruway/I-87 to the east, Interstate 84 to the north, New York State Route 17K to the south, and adjacent industrial and commercial facilities to the west. The site is currently undeveloped and wooded. Access to the site will be provided via a new access drive from Route 17K. We will seek and obtain a driveway permit from NYSDOT and any intersection improvements as DOT deems necessary for the safe and efficient movement of traffic into and out of the site and on adjacent roadways.

It has come to our attention that the City of Newburgh has expressed concerns regarding runoff quality, as the site is located within the City's Washington Lake watershed. Storm water detention and water quality treatment have been designed to exceed the New York State Department of Environmental Conservation standards and the Town of Newburgh requirements. We will seek to meet with the City to address their concerns.

Although the Project site has several confirmed wetlands and watercourses on or adjacent to the property, none of the wetlands are proposed to be disturbed for the site improvements.

Finally, the Project will provide numerous benefits to the Town of Newburgh and surrounding region. AmerisourceBergen, a leading global pharmaceutical sourcing and distribution company will be the initial tenant in the building, with an occupancy of approximately 317,500 square feet. The Project will generate substantial additional tax revenues for the Town, as well as provide numerous construction and permanent jobs for local residents.

We look forward to engaging with the Planning Board in its site plan review of the Matrix Business Park at Newburgh, and we anticipate that the project that will benefit both the Applicant and the Town for many years to come.

TOWN OF NEWBURGH PLANNING BOARD

MATRIX BUSINESS PARK AT NEWBURGH PROJECT NAME

CHECKLIST FOR MAJOR/MINOR SUBDIVISION AND/OR SITE PLAN

I. The following items shall be submitted with a COMPLETED Planning Board Application Form.

2. N/AProxy Statement

 $3. \checkmark$ Application Fees

4. **Completed Checklist (Automatic rejection of application without checklist)**

II. The following checklist items shall be incorporated on the Subdivision Plat or Site Plan prior to consideration of being placed on the Planning Board Agenda. Non-submittal of the checklist will result in application rejection.

- 1. V Name and address of applicant
- 2. V Name and address of owner (if different from applicant)
- 3. <u>V</u> Subdivision or Site Plan and Location
- 5. <u>Location map at a scale of 1" = 2,000 ft. or less on a tax map or USCGS map</u> base only with property outlined
- 6. Zoning table showing what is required in the particular zone and what applicant is proposing. A table is to be provided for each proposed lot
- 7. <u>V</u> Show zoning boundary if any portion of proposed site is within or adjacent to a different zone
- 8. \checkmark Date of plan preparation and/or plan revisions
- 9. \checkmark Scale the plan is drawn to (Max 1" = 100')
- 10. ____ North Arrow pointing generally up

- 12. \checkmark Surveyor's seal and signature
- 13. V Name of adjoining owners
- 15. N/A Flood plain boundaries
- 16.<u>N/A</u> Certified sewerage system design and placement by a Licensed Professional Engineer must be shown on plans in accordance with Local Law #1 1989
- 18. V Name and width of adjacent streets; the road boundary is to be a minimum of 25 ft. from the physical center line of the street (WHERE APPLICABLE)
- 19. V Show existing or proposed easements (note restrictions) (WHERE APPLICABLE)
- 20. ____ Right-of-way width and Rights of Access and Utility Placement (WHERE APPLICABLE)
- 21. <u>Road profile and typical section (minimum traveled surface, excluding shoulders, is to be 18 ft. wide)</u>
- 23. <u>V</u> Number of lots including residual lot
- 24. \checkmark Show any existing waterways
- 25.<u>N/A</u> A note stating a road maintenance agreement is to be filed in the County Clerk's Office where applicable
- 26.<u>N/A</u> Applicable note pertaining to owners review and concurrence with plat together with owner's signature
- 27. Show any improvements, i.e. drainage systems, water lines, sewer lines, etc.
- 28. Show all existing houses, accessory structures, wells and septic systems on and within 200 ft. of the parcel to be subdivided
- 29. V Show topographical data with 2 or 5 ft. contours on initial submission

- 30. ____ Indicate any reference to a previous subdivision, i.e. filed map number, date and previous lot number
- 31.<u>N/A</u> If a private road, Town Board approval of name is required, and notes on the plan that no town services will be provided and a street sign (per town specs) is to be furnished and installed
- 33. <u>Estimated or known cubic yards of material to be excavated and removed</u> from the site
- 34. <u>Section 24</u> Estimated or known cubic yards of fill required CLEARING AND GRADING PERMIT APPLICATION)
- 35. **✓** The amount of grading expected or known to be required to bring the site to readiness
- 36. Type and amount of site preparation which falls within the 100 ft. buffer strip of wetlands or within the Critical Environmental Area. Please explain in sq. ft. or cubic yards. <u>NO PROPOSED DISTURBANCE TO WETLANDS, FLOODPLAINS, OR</u> CRITICAL ENVIRONMENTAL AREA IDENTIFIED ON THE ZONING MAP.

NO 100-FOOT BUFFER REQUIREMENT FOR WETLANDS.

- 37. ✓ Any amount of site preparation within a 100 year floodplain or any water course on the site. Please explain in sq. ft. or cubic yards. <u>RELOCATION OF EXISTING STORM PIPE</u>
- 38.____List of property owners within 500 feet of all parcels to be developed (see attached statement).

The plan for the proposed subdivision or site has been prepared in accordance with this checklist.

By: Licensed Professional

Date: 9/9/15

This list is designed to be a guide ONLY. The Town of Newburgh Planning Board may require additional notes or revisions prior to granting approval.

Prepared (insert date): SEPTEMBER 9, 2015

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 J 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 project sponsor to verify that the information contained in Part 1 is accurate and complete.

A. Project and Sponsor Information.

ewburgh, Orange County, N	lew York	
parking loading and parking Irr Avecue.	spaces. Access to the project site	
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Telephone: (914) 323-7	410	
E-Mail: cutechig@langen.com		
State: New York	Zip Code: 10604	
Telephone: (732) 521-2	900	
E-Mail: kgriffin@matrixcompanies.com		
State	Zip Code:	
New Jersoy	08512	
Telephone:		
E-Mail:		
<u> </u>		
State:	Zip Code:	
	parking loading and parking ir Avecue. Telephone: (914) 323-7 E-Mail: cutschlg@lang State: New York Telephone: (732) 521-2 E-Mail: kgriffin@matrix State: New Jersoy Telephone: E-Mail:	

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B. Government Approvals

B. Government Approvals, Funding, or Sponsorship. ("Funding" includes grants, loans, tax relief, and any other forms of financial assistance.) Application Date If Yes: Identify Agency and Approval(s) **Government Entity** Required (Actual or projected) or Village Board of Trustees ✓Yes□No September 2015 b. City, Town or Village Town of Newburgh Planning Board - Site Plan Planning Board or Commission Approval c. City Council, Town or ✓Yes□No September 2015 Town of Newburgh Zoning Board of Appeels -Variances Village Zoning Board of Appeals **∑**Yes⊡No September 2015 d. Other local agencies Town of Newburgh Engineer and Water Oepartment September 2015 Orange County (OC) Dept. of Planning - Site Plan e. County agencies Ves No Review, OC Depl of Health - water main conn. □Yes 20No f. Regional agencies **⊠**Yes⊡No g. State agencies August 2015 NYSDEC - SEQR, SPDES; NYSDOT - Highway Work Permit. VYcs[]]No USACE- Wetland JD; FAA - Notice of August 2015 h. Federal agencies Construction/ Hezerd to Air Nav. Determination i. Coastal Resources. □Yes 2 No i. Is the project site within a Coastal Area, or the waterfront area of a Designated Inland Waterway? ii. Is the project site located in a community with an approved Local Waterfront Revitalization Program? □ Yes 22 No 🗋 Yes 🗹 No iii. Is the project site within a Coastal Erosion Hazard Area?

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C. Planning and Zoning

C.I. Planning and zoving actions.	
 Will administrative or legislative adoption, or amendment of a plan, local law, ordinance, rule or regulation be the only approval(s) which must be granted to enable the proposed action to proceed? If Yes, complete sections C, F and G. If No, proceed to question C.2 and complete all remaining sections and questions in Part 1 	Yes No
C.2. Adopted land use plans.	
a. Do any municipally- adopted (city, town, village or county) comprehensive land use plan(s) include the site where the proposed action would be located?	VYes No
If Yes, does the comprehensive plan include specific recommendations for the site where the proposed action would be located?	Yes No
 b. Is the site of the proposed action within any local or regional special planning district (for example: Greenway Brownfield Opportunity Area (BOA); designated State or Federal heritage area; watershed management plan; or other?) If Yes, identify the plan(s): 	VYes No
Priority <u>Growth Area</u>	
 c. Is the proposed action located wholly or partially within an area listed in an adopted municipal open space plan, or an adopted municipal farmland protection plan? If Yes, identify the plan(s): 	□Yes[2]No

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? Inter <u>change Business (IB) District</u> ; Stewart Arport Overlay District;	Ves 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 2 No
C.4. Existing community services.	
a. In what school district is the project site located? Newburgh Enlarged City 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? <u>Algonaula Powder Mill Park (municipal 2mi north), Crongmer Hill County Park (county, 2mi north), New Windsor Historic</u> south), Stewart State Forest (state 4mi west)	Parkland's (municipal 2mi
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 a components)? Industrial - warehouse facility	mixed, include all
b. a. Total acreage of the site of the proposed action? ± 71.7 acres	<u></u>
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?	
 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, 	☐ Yes☑ No miles, housing units,
square feet)? % Units:	
d. Is the proposed action a subdivision, or does it include a subdivision?	Yes 2No
If Yes, i. Purpose or type of subdivision? (e.g., residential, industrial, commercial; if mixed, specify types)	
ii. Is a cluster/conservation layout proposed?	Yes No
iii. Number of lots proposed?	
 e. Will proposed action be constructed in multiple phases? i. If No, anticipated period of construction: months ii. If Yes: 	
 Total number of phases anticipated 	
 Anticipated commencement date of phase 1 (including demolition) 10 month 2015 year 	
Anticipated completion date of final phase <u>10</u> month <u>2017</u> year	
 Generally describe connections or relationships among phases, including any contingencies where p determine timing or duration of future phases:	
Phase 1 will include the construction of Warehouse A, ±317,520 sf footprint, along with the infrastructure to support the devite construction of Warehouse B, ±247,800 sf footprint, and will be adjacent to the north of Warehouse A. Phases may be construction of Warehouse B, ±247,800 sf footprint, and will be adjacent to the north of Warehouse A. Phases may be construction of Warehouse B, ±247,800 sf footprint, and will be adjacent to the north of Warehouse A.	elopment. Phase 2 will include onstructed concurrently.

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	et include new res				Yes 💋 No
If Yes, show nur	nbers of units prop		These Family	Multiple Family (four or more)	
	<u>One Family</u>	<u>Two Family</u>	Three Family	warmple gamey group of mores	
Initial Phase At completion					
of all phases				_	
-	,				
g. Does the prop If Yes,	osed action include	e new non-residenti	al construction (inclu	uding expansions)?	ØŸes⊡No
	r of structures	í			
II. Dimensions	(in feet) of largest	proposed structure:	<u>± 45 feet_</u> height; <u>± -</u>	420 feet width; and <u>± 1,346</u> length	
				± 585,320 square feet	
h. Does the prop	osed action includ	e construction or ot	her activities that wil	Il result in the impoundment of any	ØYes□No
liquids, such a If Yes,	as creation of a wa	ter supply, reservoir	r, pond, lake, waste i	agoon or other storage?	
i. Purpose of th	e impoundment: S	itormwater manageme	nt/drainage in a total of	f 11 basins.	
ii. If a water im	poundment, the pri	ncipal source of the	e water:	Ground water Surface water strea	ms 💋 Other specify:
 Drainage from 	site				
iii. If other than N/A	water, identify the	type of impounded	contained liquids an	a their source.	
iv. Approximate	e size of the propos	æd impoundment.	Volume: TOT	AL •/-5.3 million gallons; surface area: _	Total: 5.0 acres
v. Dimensions	of the proposed da	m or impounding st	ructure: <u>N</u>	A height; <u>N/A</u> length	
			am or impounding st	ructure (e.g., earth fill, rock, wood, con	crete):
Excavation of	land.				
D.2. Project Oj	arations				
·			ining of dealerships	luring construction, operations, or both?	Yes
 a. Does the prop (Not including) 	osco acuon incluu general site prena	e any excavation, n iration orading or it	nning, or urceging, unstallation of utilities	s or foundations where all excavated	
	remain onsite)	·			
If Yes:					
1. What is the p	urpose of the exca	vation or dredging?			·
ii. How much m	aterial (including r	ock, carth, sedimen	its, etc.) is proposed t	to be removed from the site?	
	hat duration of tim			· · · · · · · · · · · · · · · · · · ·	
iii. Describe nat	ure and characteris	tics of materials to	be excavated or dred	ged, and plans to use, manage or dispos	e of them.
	-			· · · · · · · · · · · · · · · · · · ·	
		F	warminia materiala?		Ycs No
IV. Will there b If yes, desca		g or processing or e	xcavated materials?		
11 903, 40303			· · · ·	·-	
v. What is the f	total area to be drea	dged or excavated?		acres	
vi. What is the	maximum area to b	e worked at any on	e time?	acres	
vH. What would	be the maximum (depth of excavation	or dredging?	feet	
viii. Will the exc	cavation require bl	asting?			∐Yes <u></u> No
ix. Summarize s	me reclamation gos	ais and plan;		_	
b. Would the pr	oposed action caus	e or result in alterat	ion of, increase or do	cerease in size of, or encroachment	Yes
into any exis	ting wetland, wate	rbody, shoreline, be	ach or adjacent area	?	— — .
If Yes:	•	-			
				water index number, wetland map num	ser or geographic
description)					
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ii. Describe how the proposed action would affect that waterbody or wetland, e.g. excavation, fill, placement of s alteration of channels, banks and shorelines. Indicate extent of activities, alterations and additions in square fee	ructures, or it or acres:
iii. Will proposed action cause or result in disturbance to bottom sediments?	Yes 7No
If Yes, describe:	Yes Vio
scres of aquatic vegetation proposed to be removed:	
expected acreage of aquatic vegetation remaining after project completion:	
 purpose of proposed removal (e.g. beach clearing, invasive species control, bost access): 	
proposed method of plant removal:	
if chemical/herbicide treatment will be used, specify product(s):	
v. Describe any proposed reclamation/mitigation following disturbance:	
e. Will the proposed action use, or create a new demand for water? If Yes:	Yes No
i. Total anticipated water usage/demand per day:	
<i>ii.</i> Will the proposed action obtain water from an existing public water supply? If Yes:	ØYes □ No
Name of district or service area: <u>Town of Newburgh consolidated water district</u>	V Yes No
 Does the existing public water supply have capacity to serve the proposal? 	∇ Yes \square No
 Is the project site in the existing district? 	\square Yes \square No
 Is expansion of the district needed? 	
 Do existing lines serve the project site? 	V Yes No
iii. Will line extension within an existing district be necessary to supply the project? If Yes:	∐Yes Ø №
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 🗹 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), maximum pumping capacity: gallons/minute.	
d. Will the proposed action generate liquid wastes?	VYes No
If Yes:	
 <i>i</i>. Total anticipated liquid waste generation per day: <u>< 10,000</u> gallons/day <i>ii</i>. Nature of liquid wastes to be generated (e.g., sanitary wastewater, industrial; if combination, describe all comp 	onents and
approximate volumes or proportions of each):	
Sanitary wastewater	
<i>iii.</i> Will the proposed action use any existing public wastewater treatment facilities?	VYes No
If Yes: Name of wastewater treatment plant to be used: <u>City of Newburgh - Renwick Street wastewater treatment plant</u> 	
Name of district: Town of Newburgh Sewer District	······································
Name of district: <u>Town of Rewooding Sewer District</u> Does the existing wastewater treatment plant have capacity to serve the project?	ZYes⊡N₀
 Does the existing wastewater treatment plant have capacity to serve the project. Is the project site in the existing district? 	
 Is expansion of the district needed? 	
 To exhaustorize une organic meeters; 	

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 Do existing sewer lines serve the project site? 	ØYes⊡No
 Will 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?	□Yes 2No
If Yes:	
Applicant/sponsor for new district:	
Date application submitted or anticipated:	
What is the receiving water for the wastewater discharge?	
v. If public facilities will not be used, describe plans to provide wastewater treatment for the project, including spe-	cifying proposed
receiving water (name and classification if surface discharge, or describe subsurface disposal plans):	
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	VYes No
sources (i.e. ditches, pipes, swales, curbs, gutters or other concentrated flows of stormwater) or non-point	
sources (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 ±25.0 acres (impervious surface)	
Square feet or ±71.7 acres (parcel size)	
II. Describe types of new point sources. Conveyance pipes, dry swales, curbs	
iii. Where will the stormwater runoff be directed (i.e. on-site stormwater management facility/structures, adjacent	properties,
groundwater, on-site surface water or off-site surface waters)?	
All stormwater on-site will be treated for water quality and detained by various stormwater management basins and leatures.	Stormwater discharge
will be directed to match existing watersheds and flow patterns.	
If to surface waters, identify receiving water bodies or wetlands:	<u>-</u>
Onsite wetlands and on-site unnemed tributaries to Quassalc Creek	
 Will stormwater runoff flow to adjacent properties? 	Ves No
iv. Does proposed plan minimize impervious surfaces, use pervious materials or collect and re-use stormwater?	Ves 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)	
Truck fleet	
ii. Stationary sources during construction (e.g., power generation, structural heating, batch plant, crushers)	
Generatore, batch plants, concrete orusher, esphalt miller, soil screener	
iii. Stationary sources during operations (e.g., process emissions, large boilers, electric generation)	
Larger boilers, generators	
g. Will any air emission sources named in D.2.f (above), require a NY State Air Registration, Air Facility Permit,	□Yes 2No
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)	
B. In addition to emissions as calculated in the application, the project will generate:	
 Tons/year (short tons) of Carbon Dioxide (CO₂) 	
 Tons/year (short tons) of Nitrous Oxide (N₂O) 	
Tons/year (short tons) of Perfluorocarbons (PFCs)	
Tons/year (short tons) of Sulfur Hexafluoride (SF ₆)	
Tons/year (short tons) of Carbon Dioxide equivalent of Hydroflourocarbons (HFCs)	
Tons/year (short tons) of Hazardous Air Pollutants (HAPs)	
 Ionsycar (stort whs) of Hazardous Air Polymants (nArs) 	

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 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>i.</i> Estimate methane generation in tons/year (metric):	enerate heat or
 Will the proposed action result in the release of air pollutants from open-air operations or processes, such as quarry or landfill operations? If Yest Describe operations and nature of emissions (e.g., diesel exhaust, rock particulates/dust): 	ÛYes[2]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; 	Ves No
 i. When is the peak traffic expected (Check all that apply): Morning Evening Weekend Randomly between hours of to ii. For commercial activities only, projected number of semi-trailer truck trips/day:362 trips/day iii. Parking spaces: Existing <u>0 spaces</u> Proposed <u>367 spaces</u> Net increase/decrease 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 site will be provided through a new access driveway along NYS Route 17K across from Orr Avenue, which is an Modifications to the turning movements along NYS Route 17K will require additional changes to the various turning lanes. 	□Yes☑No access, describe:
 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? viii. Will the proposed action include plans for pedestrian or bicycle accommodations for connections to existing pedestrian or bicycle routes? 	Yes No Yes No Yes No
 k. Will the proposed action (for commercial or industrial projects only) generate new or additional demand for energy? If Yes: i. Estimate annual electricity demand during operation of the proposed action: 	Yes No
<u>1.500 KW everage demand, 2.200 kw Peak.</u> <u>1.500 KW everage de</u>	
iii. Will the proposed action require a new, or an upgrade to, an existing substation?	∐YesZNo
I. Hours of operation. Answer all items which apply. ii. During Operations: i. During Construction: ii. During Operations: • Monday - Friday: 6am - 7pm • Saturday: 6am - 7pm • Sunday: 6am - 7pm • Holidays: 6am - 7pm • Holidays: 6am - 7pm	

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m. Will the proposed action produce noise that will exceed existing ambient noise levels during construction, operation, or both? If yes:	ØYes No
i. Provide details including sources, time of day and duration:	
Construction-related noises guring germitted hours of construction	
ii. Will proposed action remove existing natural barriers that could act as a noise barrier or screen? Describe:	☐ Yes ØNo
n Will the proposed action have outdoor lighting? If yes:	ØYes⊡No
<i>i</i> . Describe source(s), location(s), height of fixture(s), direction/aim, and proximity to nearest occupied structures: Full c <u>ut-off site lighting will be installed to provide light along drivoways, walkways and parking areas to ensure clear and safe circulat</u> adverse impacts on surrounding ereas. The lighting plan will include standard pole-mount and wall-mount fixtures.	ion, while avoiding
 Will proposed action remove existing natural barriers that could act as a light barrier or screen? Describe:	Yes
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:	Ves 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 Diesel fuel i. Product(s) to be stored Diesel fuel 	☑ Yes □No
<i>ii.</i> Volume(s) <u>±3,500</u> (x2) per unit time <u>month</u> (e.g., month, year) <i>iii.</i> Generally describe proposed storage facilities:	•
Two ± 3,500 gation tanks (one for each tenant) will be installed to provide diese) fuel for the generators.	
 q. Will the proposed action (commercial, industrial and recreational projects only) use pesticides (i.e., heroicides, insecticides) during construction or operation? If Yes: i. Describe proposed treatment(s): 	Yes No
Potential use of pesticides for landscaping during operation.	_
ii. Will the proposed action use Integrated Pest Management Practices?	Z Yes
 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:	
Construction:	
 II. Describe any proposals for on-site minimization, recycling or reuse of materials to avoid disposal as solid waste Construction: Construction waste will be minimized through efficient materials use and solid waste will be disposed of in 	: eppropriate <u>manner</u> .
Operation: Solid waste and recycling will be collected on site and disposed by private waste management vendor.	
 iii. Proposed disposal methods/facilities for solid waste generated on-site: Construction: Private waste management vendor. 	
Operation:	

s. Does the proposed action include construction or modifica	tion of a solid waste m	anagement facility?	Yes 💋 No
If Yes:			
 Type of management or handling of waste proposed for other disposal activities): 	the site (e.g., recycling	or transfer station, composting	;, landfill, or
ii. Anticipated rate of disposal/processing:			
• Tons/month, if transfer or other non-com		ent, or	
• Tons/hour, if combustion or thermal trea			
iii. If landfill, anticipated site life:	ycas	time and of homored and	
 t. Will proposed action at the site involve the commercial ge waste? If Yes: Name(s) of all bazardous wastes or constituents to be ge 		•	
<i>ii.</i> Generally describe processes or activities involving haze	rdous wastes or consti	tuenis:	
iii. Specify amount to be handled or generated tons	month		
IV. Describe any proposals for on-site minimization, recycli	ing or reuse of hazardo	us constituents:	
v. Will any hazardous wastes be disposed at an existing of If Yes: provide name and location of facility:	fsite hazardous waste f	acility?	Yes No
If No: describe proposed management of any hazardous was	tes which will not be s	ent to a hazardous waste facility	y:
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E. Site and Setting of Proposed Action			
E.1. Land uses on and surrounding the project site			
E.1. Land uses on and surrounding the project site a. Existing land uses.	ject site.		
 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 pro [2] Urban [2] Industrial [2] Commercial [2] Resident 	ial (suburban) 🛛 🗋 R	ural (non-farm)	
 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 pro [2] Urban [2] Industrial [2] Commercial [2] Resident [3] Forest [3] Agriculture [3] Aquatic [3] Other (s 	ial (suburban) 🛛 🗋 R	ural (non-farm) ional Airport, Army National Guard I	
 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 pro [2] Urban [2] Industrial [2] Commercial [2] Resident [3] Forest [3] Agriculture [3] Aquatic [4] Other (s. ii. If mix of uses, generally describe: 	ial (suburban) 🛛 📋 R pecify): <u>Stewart Internat</u>	ional Airport, Army National Guard	
 E.1. Land uses on and surrounding the project site a. Existing land uses. Check all uses that occur on, adjoining and near the pro Urban Industrial Commercial Resident Forest Agriculture Aquatic I Other (s If mix of uses, generally describe: The general mix of uses is characterized by uses associated with a 	ial (suburban) 🛛 📋 R pecify): <u>Stewart Internat</u>	ional Airport, Army National Guard	
 E.1. Land uses on and surrounding the project site a. Existing land uses. Check all uses that occur on, adjoining and near the pro Urban Industrial Commercial Is Resident Forest Agriculture Aquatic I Other (s If mix of uses, generally describe: The general mix of uses is characterized by uses associated with a scattered residential uses in an urban setting. 	ial (suburban) 🛛 📋 R pecify): <u>Stewart Internat</u>	ional Airport, Army National Guard	
 E.1. Land uses on and surrounding the project site a. Existing land uses. Check all uses that occur on, adjoining and near the provide the provided the provide the provided the provide the provided the p	ial (suburban) 🛛 📋 R pecify): <u>Stewart Internat</u>	ional Airport, Army National Guard I Auding transportation, Industrial and	
 E.1. Land uses on and surrounding the project site a. Existing land uses. Check all uses that occur on, adjoining and near the pro Urban Industrial Commercial Is Resident Forest Agriculture Aquatic I Other (s If mix of uses, generally describe: The general mix of uses is characterized by uses associated with a scattered residential uses in an urban setting. 	ial (suburban)	ional Airport, Army National Guard	i commercial uses. witi
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 pro- Urban Industrial I Commercial Resident Forest Agriculture Aquatic I Other (s. if. If mix of uses, generally describe: The general mix of uses is characterized by uses associated with a scattered residential uses in an urban setting. b. Land uses and covertypes on the project site. Land use or	ial (suburban)	auding transportetion, Industrial and	Change (Acres +/-) 23.8
 E.1. Land uses on and surrounding the project site a. Existing land uses. Check all uses that occur on, adjoining and near the pro Urban Industrial Commercial Resident Forest Agriculture Aquatic I Other (s if. If mix of uses, generally describe: The general mix of uses in an urban setting. Land uses and covertypes on the project site. Land use or Covertype Roads, buildings, and other paved or impervious 	ial (suburban) pecify): <u>Stewart Internat</u> transportation conider inc Current Acreage	Auding transportation, Industrial and Auding transportation, Industrial and Acreage After Project Completion	Change (Acres +/-)
 E.1. Land uses on and surrounding the project site a. Existing land uses. Check all uses that occur on, adjoining and near the pro Urban Industrial IC Commercial IResident Forest Agriculture Aquatic IO Other (s. if. If mix of uses, generally describe: The general mix of uses in an urban setting. Land uses and covertypes on the project site. Land use or Covertype Roads, buildings, and other paved or impervious surfaces 	ial (suburban) Recify): <u>Stewart Internat</u> <u>trensportation corridor inc</u> Current <u>Acreage</u> 1.1	Acreage After Project Completion	Change (Acres +/-) 23.8
 E.1. Land uses on and surrounding the project site a. Existing land uses. Check all uses that occur on, adjoining and near the pro Urban Industrial Commercial Resident Forest Agriculture Aquatic I Other (s. if. If mix of uses, generally describe: The general mix of uses in an urban setting. Land uses and covertypes on the project site. Land use or Covertype Roads, buildings, and other paved or impervious surfaces Forested Meadows, grasslands or brushlands (non- 	ial (suburban) Recify): <u>Stewart Internat</u> trensportation corridor inc Current Acreage 1.1 52.1	Acreage After Project Completion 24.9 5.1	Change (Acres +/-) 23.8 -47.0
 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 program of the project and the project and the project and the project of the project of	ial (suburban) Recify): <u>Stewart Internat</u> transportation corridor inc Current Acreage 1.1 52.1 9.5	Acreage After Project Completion 24.9 5.1 5.4	Change (Acres +/-) 23.8 -47.0 -4.1
 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 pro Ø Urban Ø Industrial Ø Commercial Ø Resident Ø Forest	ial (suburban) Recify): <u>Stewart Internat</u> <u>trensportation corridor inc</u> Current <u>Acreage</u> 1.1 52.1 9.5 0	Acreage After Project Completion 24.9 5.1 5.4 0	Change (Acres +/-) 23.8 -47.0 -4.1 0
 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 property of the project and the property of the project and the property of the project and the property of the project site. The general mix of uses is characterized by uses associated with a scattered residential uses in an urban setting. b. Land uses and covertypes on the project site. Land uses and covertype Roads, buildings, and other paved or impervious surfaces Forested Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural) Agricultural (includes active orchards, field, greenhouse etc.) Surface water features (lakes, ponds, streams, rivers, etc.) 	ial (suburban) Recify): <u>Stewart Internat</u> <u>transportation corridor inc</u> <u>Current</u> <u>Acreage</u> <u>1.1</u> <u>52.1</u> <u>9.5</u> 0 <u>2.5</u>	Acreage After Project Completion 24.9 5.1 5.4 0 2.5	Change (Acres +/-) 23.8 -47.0 -4.1 0

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 c. Is the project site presently used by members of the community for public recreation? i. If Yes: explain: 	Yes
 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? If Yes, Identify Facilities: 	∐ Yes <mark>Ø</mark> No
e. Does the project site contain an existing dam?	Ves Vo
If Yes: <i>i</i> . Dimensions of the dam and impoundment:	
Desch de	
Volume impounded: gallons OR acre-feet	
 ii. Dam's existing hazard classification: iii. Provide date and summarize results of last inspection: 	
f. Has the project site ever been used as a municipal, commercial or industrial solid waste management facility, or does the project site adjoin property which is now, or was at one time, used as a solid waste management faci If Yes:	∐YesØNo lity?
i. Has the facility been formally closed?	□Yes□ No
If yes, cite sources/documentation:	
<i>ii.</i> Describe the location of the project site relative to the boundaries of the solid waste management facility:	
as Executed the location of the project site relative to the boundaries of the solid waste management facility:	
ill. Describe any development constraints due to the prior solid waste activities:	
g. Have hazardous wastes been generated, treated and/or disposed of at the site, or does the project site adjoin property which is now or was at one time used to commercially treat, store and/or dispose of hazardous waste? If Yes:	□Yes []No
t. Describe waste(s) handled and waste management activities, including approximate time when activities occurr	ed:
Potential contraction biotomy Hastland Long and will be the second of the large	
h. Potential contamination history. Has there been a reported spill at the proposed project site, or have any remedial actions been conducted at or adjacent to the proposed site? If Yes:	∐Yes [] No
<i>i</i> . Is any portion of the site listed on the NYSDEC Spills Incidents database or Environmental Site <u>Remediation database?</u> Check all that apply:	□Yes□No
Yes - Spills Incidents database Provide DEC ID number(s): Yes - Spills Incidents database Provide DEC ID number(s):	
Yes - Environmental Site Remediation database Provide DEC ID number(s): Neither database Yes - Environmental Site Remediation database	
i. 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? If yes, provide DEC ID number(s):	□Yes 2No
iv. If yes to (i), (ii) or (iii) above, describe current status of site(s):	

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v. Is the project site subject to an institutional control limiting property uses?	Yes Z No
 If yes, DEC site ID number:	
Describe any use limitations:	
• •	
 Describe any engineering controls:	□ Yes□No
• Explain:	
E.2. Natural Resources On or Near Project Site What is the average depth to bedrock on the project site? ± 15-30	<u> </u>
	Yes
b. Are there bedrock outcroppings on the project site?	∐ Yes⊠iko
f Yes, what proportion of the site is comprised of bedrock outcroppings?%	
. Predominant soil type(s) present on project site: MdC: Mardin gravely sit loam (8-15) 40.	9 %
MdB: Mardin gravelty silt loam (3-8)21.	<u>4 %</u>
MNE: Mardin sol's, steep 19.	<u>0</u> %
. What is the average depth to the water table on the project site? Average: > 50 feet	
. Drainage status of project site soils: Well Drained: % of site	
Chainage status of project she solis: well Drained: % of she	
Departy Drained 10.3 % of site	
LZI 101-15964 IZ 70 DI SUC	
\overrightarrow{V} 10-15%; <u>12 % of site</u> \overrightarrow{V} 15% or greater; 43 % of site	
☐ 15% or greater:43_% of site	Ves No
Are there any unique geologic features on the project site? 43% of site	Ves No
Are there any unique geologic features on the project site? 43% of site	Ves No
Are there any unique geologic features on the project site?	Ves No
Are there any unique geologic features on the project site?	☐YesØNo ØYes⊟No
Are there any unique geologic features on the project site? Are there any unique geologic features on the project site? Surface water features. Does any portion of the project site contain wetlands or other waterbodies (including streams, rivers, ponds or takes)?	
Are there any unique geologic features on the project site? If Yes, describe:	
Are there any unique geologic features on the project site? if Yes, describe:	
If Yes, describe:	
Are there any unique geologic features on the project site? If Yes, describe:	ØYes⊡No ØYes⊡N¤ ØYes⊡N¤
✓ 15% or greater: 43_% of site ✓ Are there any unique geologic features on the project site?	ØYes⊟No ØYes⊡No ØYes⊡No
✓ 15% or greater: 43_% of site ✓ Are there any unique geologic features on the project site?	ØYes⊟No ØYes⊡No ØYes⊡No
Are there any unique geologic features on the project site? Are there any unique geologic features on the project site? Surface water features. Surface water features. Does any portion of the project site contain wetlands or other waterbodics (including streams, rivers, ponds or lakes)? Do any wetlands or other waterbodies adjoin the project site? Yes to either <i>i</i> or <i>ii</i> , continue. If No, skip to E.2.i. Are any of the wetlands or waterbodies within or adjoining the project site regulated by any federal, state or local agency? Streams: Name <u>862-223</u> Lakes or Ponds: Name Classification	ØYes⊟No ØYes⊡No ØYes⊡No
✓ 15% or greater: 43 % of site ✓ 15% or greater: 43 % of site ✓ ✓ ✓ ✓ <td>ØYes⊟No ØYes⊡No ØYes⊡No</td>	ØYes⊟No ØYes⊡No ØYes⊡No
✓ 15% or greater: 43 % of site ✓ Are there any unique geologic features on the project site?	ØYes⊟No ØYes⊡No ØYes⊡No
✓ 15% or greater: _43_% of site ✓ Are there any unique geologic features on the project site?	ØYes⊟No ØYes⊡No ØYes⊡No ØYes⊡No
✓ 15% or greater: _43_% of site ✓ Are there any unique geologic features on the project site?	ØYes⊟No ØYes⊡No ØYes⊡No ØYesØNo
✓ 15% or greater: _43_% of site ✓ Are there any unique geologic features on the project site?	ØYes⊟No ØYes⊡No ØYes⊡No ØYes⊡No
✓ 15% or greater: 43 % of site ✓ Are there any unique geologic features on the project site? If Yes, describe: If Yes, describe:	ØYes⊡No ØYes⊡No ØYes⊡No PyesØNo
Are there any unique geologic features on the project site? Are there any unique geologic features on the project site? Surface water features. Does any portion of the project site contain wetlands or other waterbodies (including streams, rivers, ponds or lakes)? Does any portion of the project site contain wetlands or other waterbodies (including streams, rivers, ponds or lakes)? Does any wetlands or other waterbodies adjoin the project site? Yes to either <i>i</i> or <i>ii</i> , continue. If No, skip to E.2.i. Are any of the wetlands or waterbodies within or adjoining the project site regulated by any federal, state or local agency? Streams: Name 862-223 Lakes or Ponds: Name Wetlands: Name Federal Waters Wetland No. (if regulated by DEC) Are any of the above water bodies listed in the most recent compilation of NYS water quality-impaired waterbodies? f yes, name of impaired water body/bodies and basis for listing as impaired: Is the project site in a designated Floodway?	ØYes⊟No ØYes⊡No ØYes⊡No PresØNo
15% or greater:43_% of site 15% or greater:43_% of site 1 Yes, describe:	ØYes□No ØYes□No ØYes□No ØYes□No ØYes□No Yes☑No OYes☑No OYes☑No
15% or greater:	✓Yes□No ✓Yes□No ✓Yes□No ✓Yes□No ✓Yes☑No Yes☑No Yes☑No
Image: Surface water features. 43 % of site . Surface water features. . . Does any portion of the project site contain wetlands or other waterbodies (including streams, rivers, ponds or lakes)? . . Do any wetlands or other waterbodies adjoin the project site? . Yes to either i or ii, continue. If No, skip to E.2.i. . . Are any of the wetlands or waterbodies within or adjoining the project site regulated by any federal, state or local agency? . Yes to either i or ii, continue. If No, skip to E.2.i. . . Are any of the wetlands or waterbodies within or adjoining the project site regulated by any federal, state or local agency? . Yes to either i or iii, continue. If No, skip to E.2.i. . We For each identified regulated wetland and waterbody on the project site, provide the following information: . Streams: Name Sterama Classification A Lakes or Ponds: Name Federal Waters Approximate Size Wetland No. (if regulated by DEC) . . . Are any of the above water bodies listed in the most recent compilation of NYS water quality-impaired waterbodies? . . f yes, name of impaired water body/bodies and basis for listing as impaired: 	ØYes□No ØYes□No ØYes□No ØYes□No Yes☑No Yes☑No Yes☑No Yes☑No

(
m. Identify the predominant wildlife speci	es that occupy or use the project site		
white-tailed deer	_grey_squirrel	B tonuq µoð	
eastern cottontail	chipmunk	wild turkey	
various congbirds			
n. Does the project site contain a designate If Yes: <i>i</i> . Describe the habitat/community (comp		gnation):	∐Yes Z No
ii. Source(s) of description or evaluation:			
	······································		
iii. Extent of community/habitat:			
 Currently: 		acres	
	s proposed:	acres	•
 Gain or loss (indicate + or -): 		acres	
 Does project site contain any species of endangered or threatened, or does it cont Reports from the NYSDEC Natural Heritage Prograndplper, Indiana bat, dwarf wedgemussel, small 	ain any areas identified as habitat fo ram (5/21/14) and the USFWS (6/3/14) h whorled pogonia, northern long-eared b	er an endangered or threatened sp ave identified potential habitats on/ne at and bog turke. Based on a Protecti	ar the site for the upland Ind Habital and Species
Assessment prepared by Langan (6/6/14), the spe p. Does the project site contain any specie	-		File or utilize the site.
q. Is the project site or adjoining area curre If yes, give a brief description of how the p	ntly used for hunting, trapping, fish roposed action may affect that use:	ing or shell fishing?	Yes
E.3. Designated Public Resources On or	Near Project Site		
<u>·</u> ·	*		
 a. Is the project site, or any portion of it, lo Agriculture and Markets Law, Article 2 If Yes, provide county plus district name/r 	5-AA, Section 303 and 304?	strict centitied pursuant to	Yes ZNo
b. Are agricultural lands consisting of high	by productive coils present?		Ycs 2 No
<i>I</i> . If Yes: acreage(s) on project site?			
		· · · ·	
<pre>//. Source(s) of soil rating(s):</pre>		· · · · · · · · · · · · · · · · · · ·	
 c. Does the project site contain all or part of Natural Landmark? If Yes: Nature of the natural landmark: Provide brief description of landmark, 	Biological Community] Geological Feature n and approximate size/extent:	Yes ZNo
	·····		
		<u> </u>	
 d. Is the project site located in or does it ad If Yes: i. CEA name: 	join a state listed Critical Environm		Yes Vo
<i>ii.</i> Basis for designation:		-	
<i>iii.</i> Designating agency and date:		······································	

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 e. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on, or has been nominated by the NYS Board of Historic Preservation for inclusion on, the State or National Register of Historic Places? If Yes: i. Nature of historic/archaeological resource: i. Nature of historic/archaeological resource: 	Yes No
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?	Yes No
 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: 	□Yes☑No
 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: Identify resource: <u>Stewart State Forest; Newburgh-Beacon Bridge/Hudson River</u> Nature of, or basis for, designation (e.g., established bighway overlook, state or local park, state historic trail or etc.): <u>State forest lengt State Scenic Road</u> 	Yes No
iii. Distance between project and resource:35 miles.	
 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: 	Yes No
ii. Is the activity consistent with development restrictions contained in 6NYCRR Part 666?	□Yes□No

F. Additional Information

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

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

Date_9/8/2015

G. Verification

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

Applicant/Sponsor Name Chuck Utschig

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Signature_____

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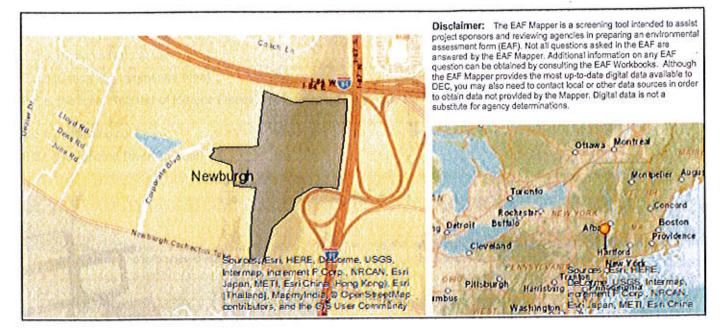
Title Associale, Langan Engineering Engineering,

Environmental, Surveying and Landscape Architeture, D.P.C.

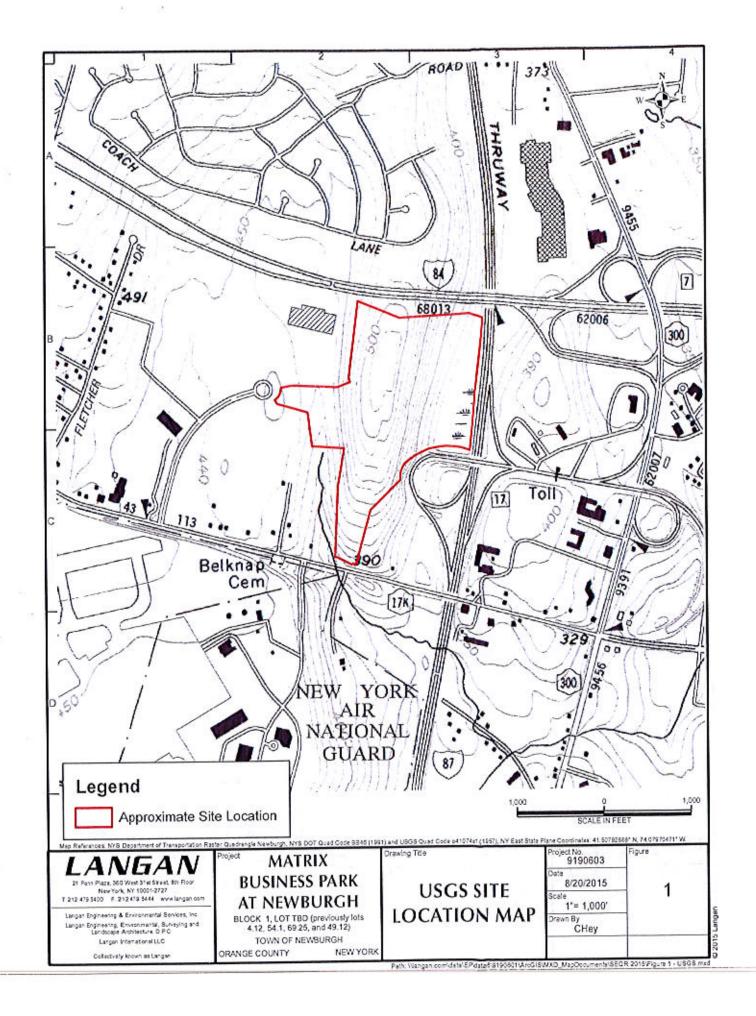
PRINT FORM

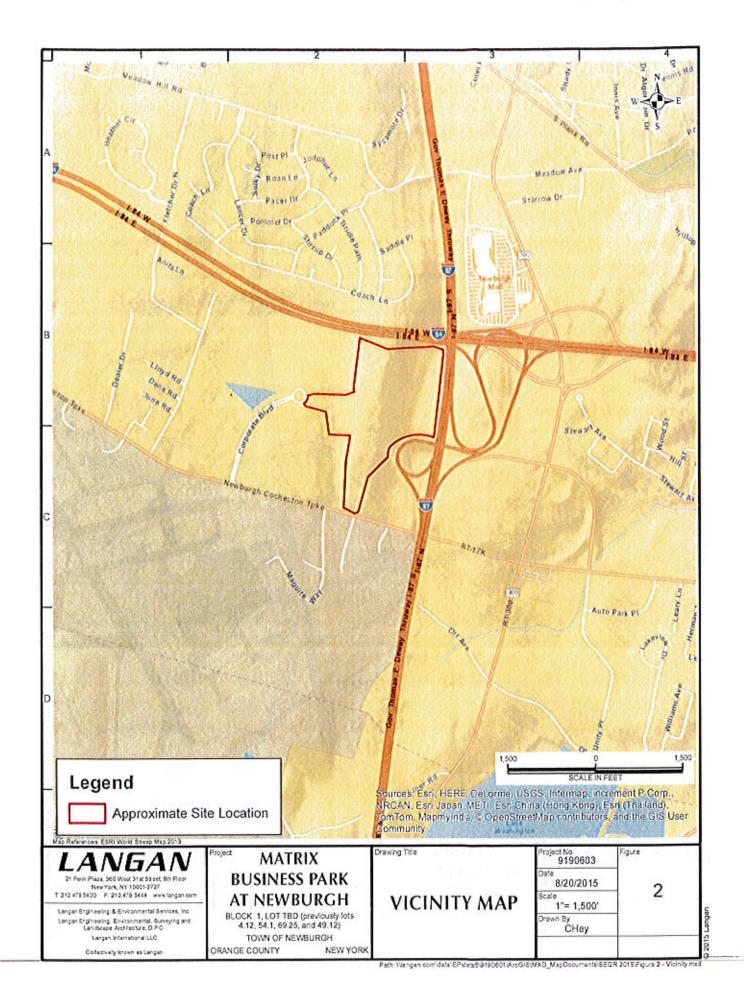
Page 13 of 13

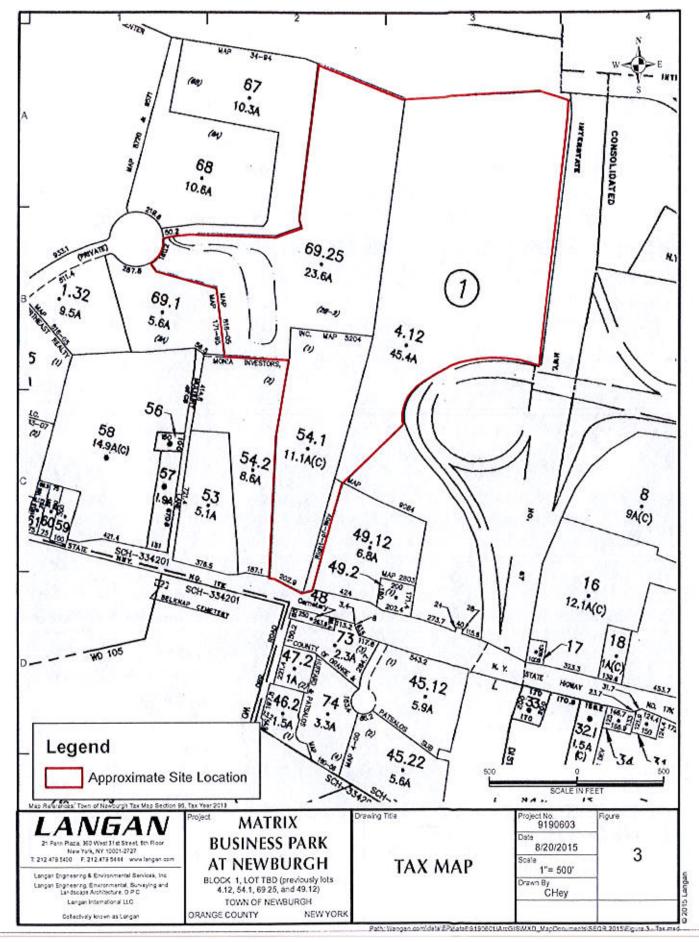
EAF Mapper Summary Report

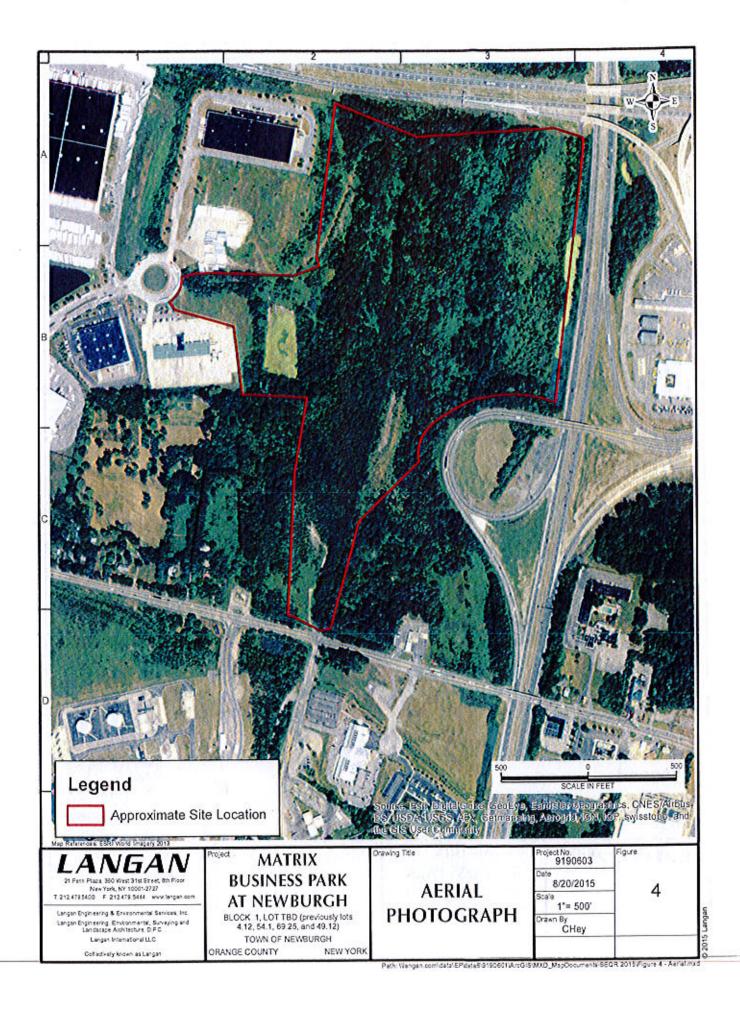


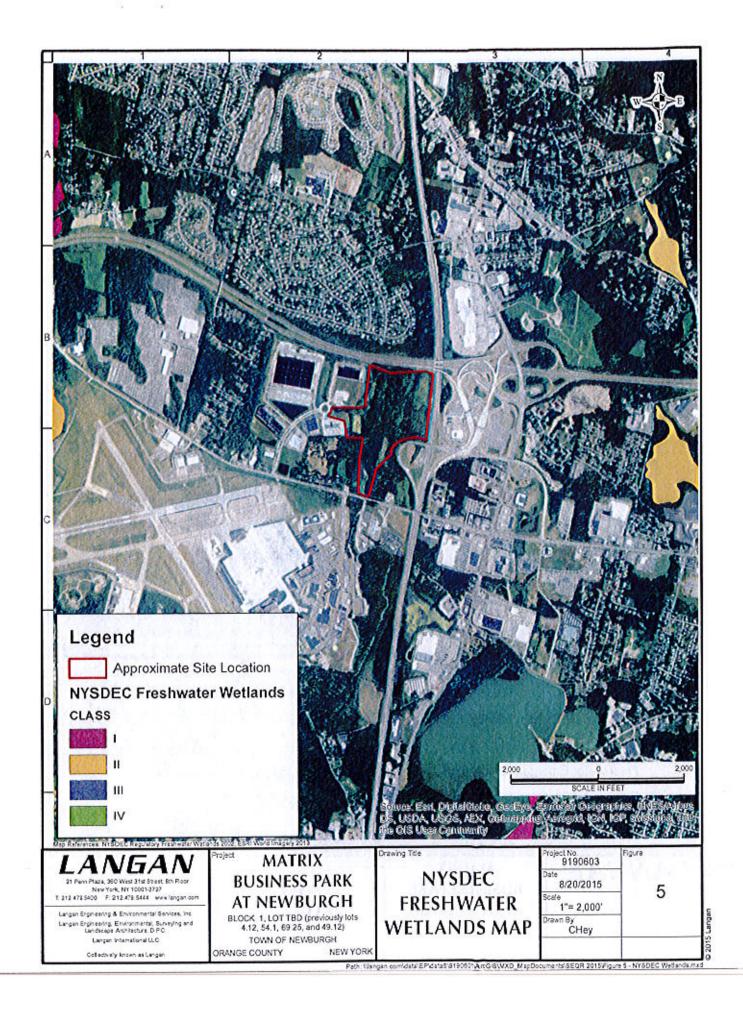
B.i.i [Coastal or Waterfront Area]	No
B.i.ii [Local Waterfront Revitalization Area]	No
C.2.b. (Special Planning District)	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h [DEC Spills or Remediation Site - Potential Contamination History]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h.i [DEC Spills or Remediation Site - Listed]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h.i [DEC Spills or Remediation Site - Environmental Site Remediation Database]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h.iii (Within 2,000' of DEC Remediation Site)	No
E.2.g [Unique Geologic Features]	No
E.2.h.i [Surface Water Features]	Yes
E.2.h.ii [Surface Water Features]	Yes
E.2.h.iii [Surface Water Features]	Yes - Digital mapping information on local and federal wetlands and waterbodies is known to be incomplete. Refer to EAF Workbook.
E.2.h.iv [Surface Water Features - Stream Name]	862-223
E.2.h.iv [Surface Water Features - Stream Classification]	A
E.2.h.iv [Surface Water Features - Wetlands Name]	Federal Waters
E.2.h.v [Impaired Water Bodies]	No
E.2.i. [Floodway]	No
E.2.j. [100 Year Floodplain]	No
E.2.k. [500 Year Floodplain]	No

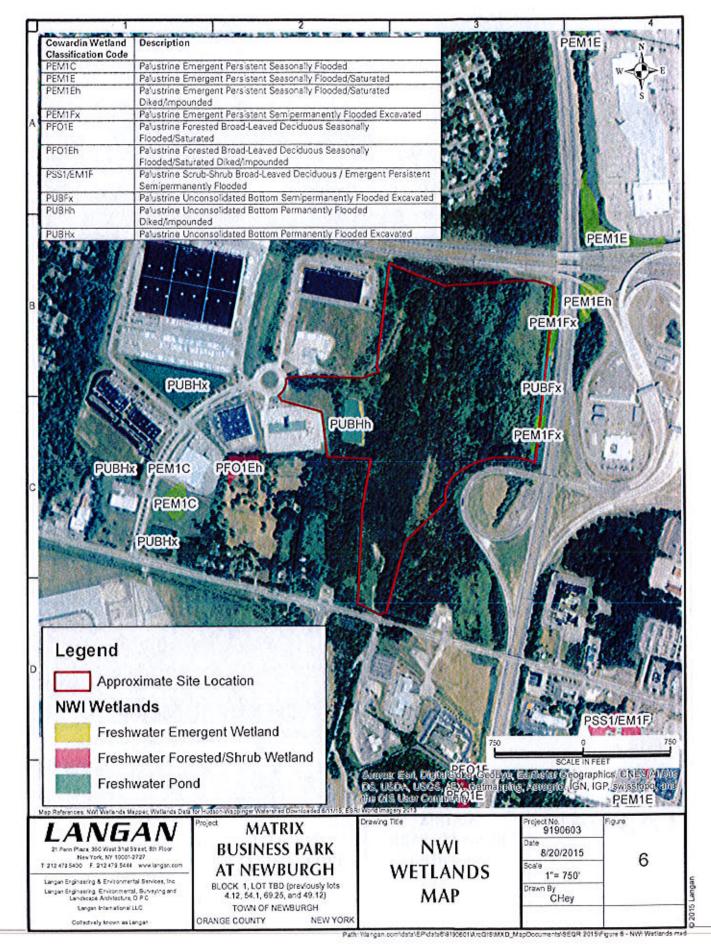


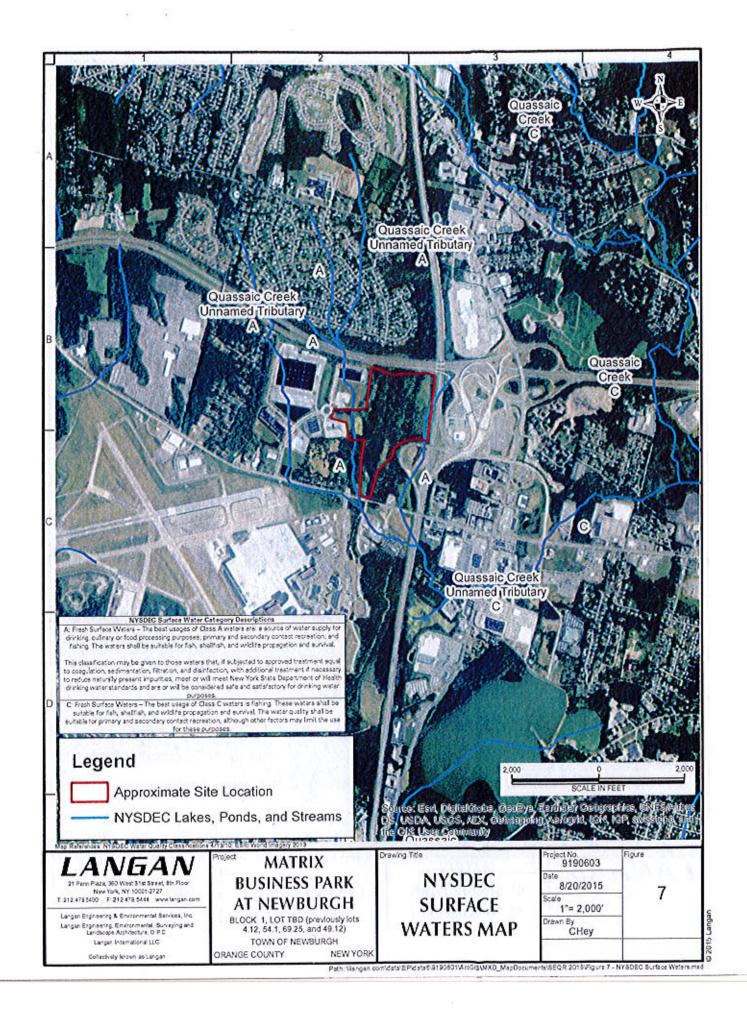


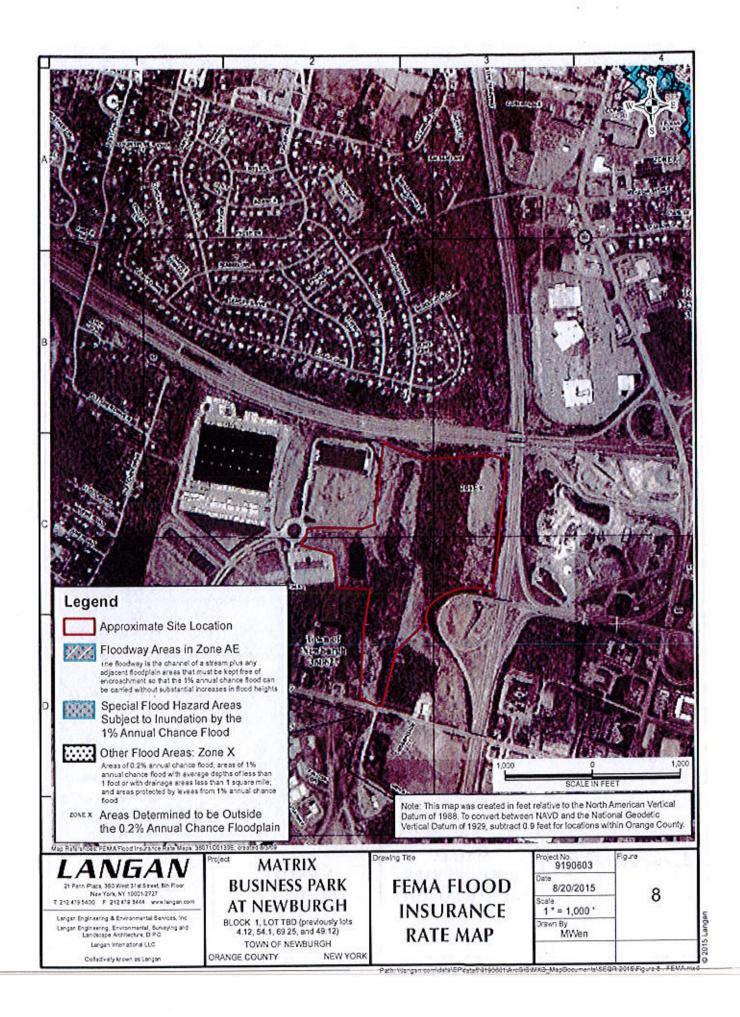


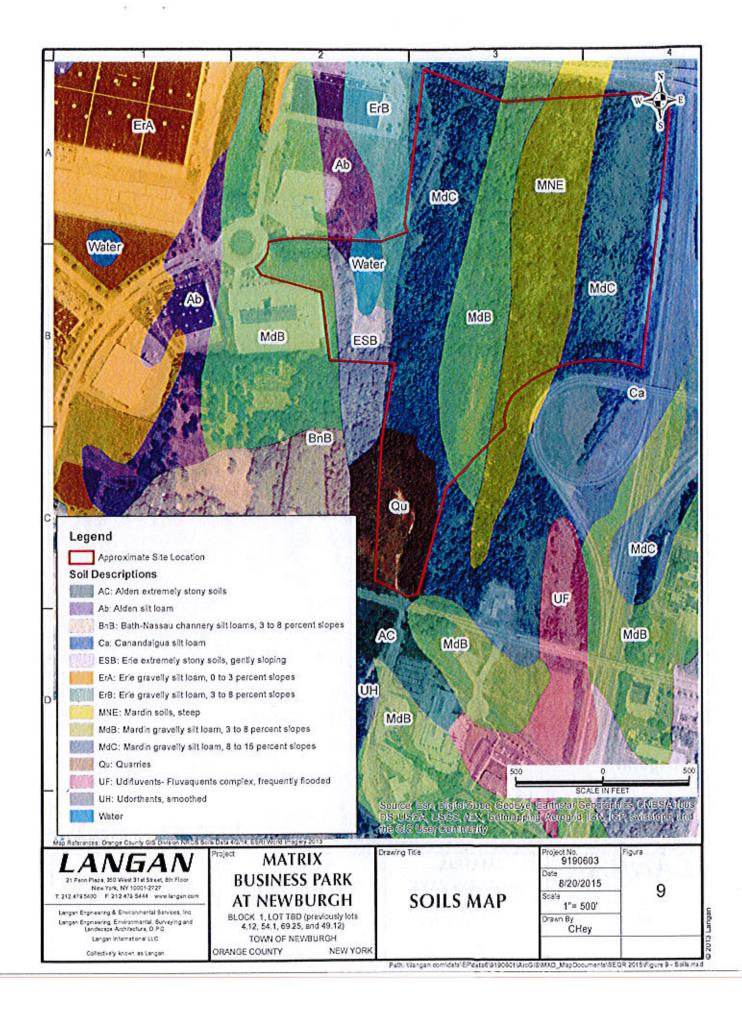


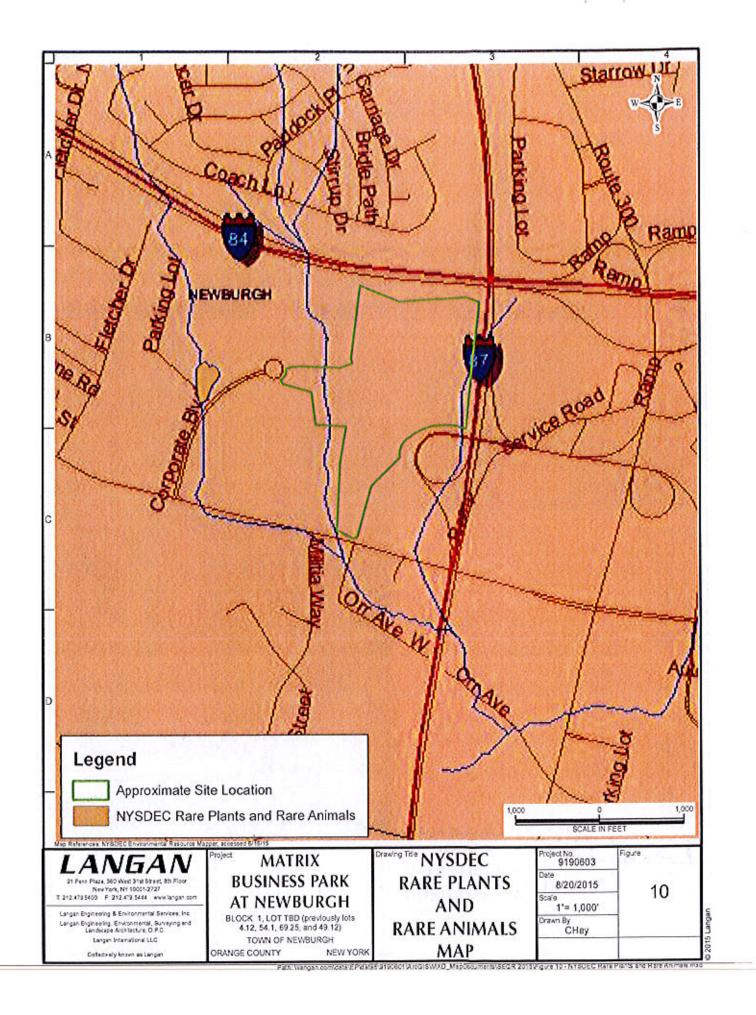


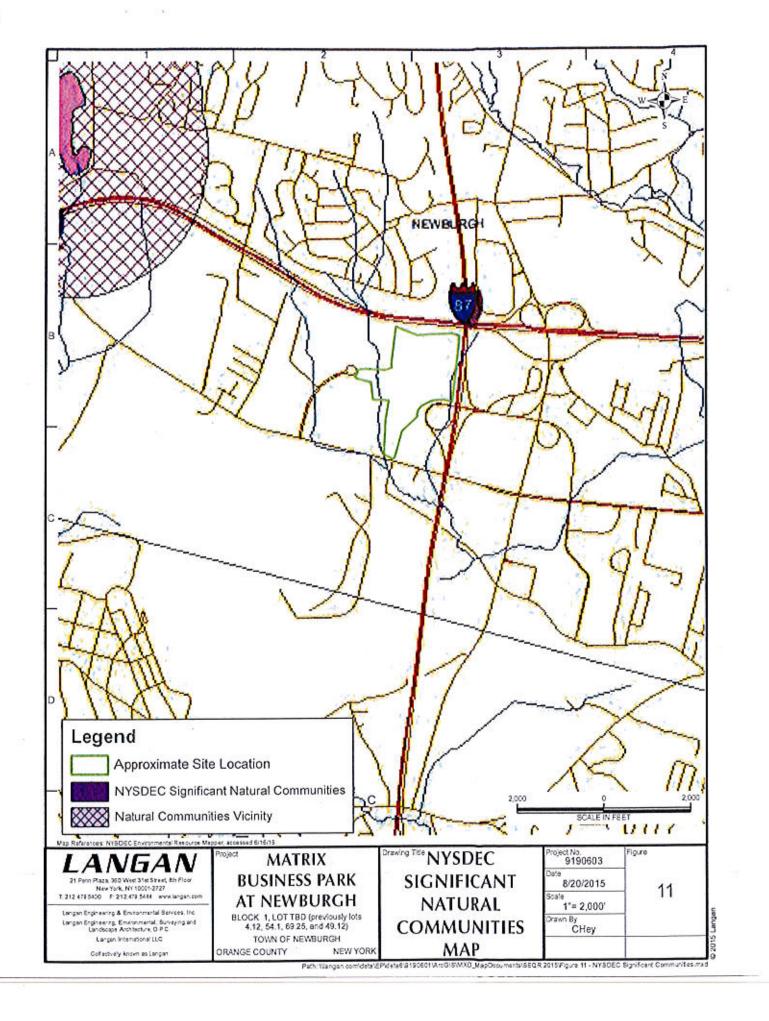












Preliminary Traffic Assessment – Matrix Newburgh Town of Newburgh, Orange County, New York

Introduction

Matrix Development Group is proposing a warehouse development on a site along N.Y. Route 17K in the Town of Newburgh, Orange County, New York. The existing site is currently undeveloped. Based on the attached Conceptual Site Plan, the proposed warehouse development will contain 565,320 square feet.

The warehouse development will be located on an approximate 69 acre site bordered on the north by Interstate 84 (I-84), on the east by Interstate 87 (I-87), on the south by N.Y. Route 17K, and on the west by the Northeast Business Center (Corporate Boulevard). For purposes of completing a traffic projection, the site is assumed to be constructed and open by the end of 2017.

A Traffic Impact Study will need to be prepared in accordance with New York State Department of Transportation (NYSDOT) guidelines. We anticipate the study area to include the following intersections:

- N.Y. Route 17K and McDonald Street
- N.Y. Route 17K and Orr Avenue / Proposed Site Driveway

If additional intersections are deemed necessary by NYSDOT, the above study area scope will be revised accordingly.

Traffic Volume Data

N.Y. Route 17K is classified as an urban principal arterial state highway. The road has a general east-west orientation and provides one lane for each travel direction near the site. The travel lanes and shoulders have varying widths. The posted speed limit is 55 mph in the vicinity of the site. Based on NYSDOT records, the average daily traffic (ADT) for N.Y. Route 17 K is 15,550 for both travel directions in front of the site.

McDonald Street is a private road that serves the New York Air National Guard at Steward Airport. The road has a general north-south orientation and provides two lanes for each travel direction within the study area.

Orr Avenue is a private road serving several properties. The road has a general north-south orientation and provides one lane for each travel direction within the study area. The posted speed limit is 10 mph.

Future Conditions without Proposed Development (No-Build)

In order to assess the traffic impact of the proposed development, we will estimate future background traffic growth based on information from NYSDOT's historical traffic data. Based on the traffic data, we determined that a background growth rate of 0.0% per year is justified. Traffic volumes along the roads surrounding the site show a downward trend over the past 10 years. In addition to the background growth rate, the no-build conditions will also include any approved

developments within the vicinity of the study area as identified by NYSDOT, as well as the following:

- Volkswagen of Newburgh
- Shoppes at Union Square
- The Marketplace at Newburgh

Site Access and Site Frontage Improvements

Access to the site will be provided via one full-access driveway, under stop-control, located along N.Y. Route 17K across from Orr Avenue. The proposed site driveway will intersect the existing T-shaped Orr Avenue and N.Y. Route 17K intersection from the north to form a new four-leg intersection. The proposed driveway will be designed to provide acceptable sight distance according to NYSDOT and the Town of Newburgh standards. Additional site frontage improvements, if any, will be determined once a full Traffic Impact Study is completed. A copy of the Conceptual Site Plan is attached.

Trip Generation

We have prepared an estimate of site generated trips for the proposed development using data compiled for Land Use 152 (High-Cube Warehouse) by the Institute of Transportation Engineers (ITE) as contained in their publication <u>Trip Generation</u>, 9th Edition. The following table presents the total vehicle trips which will be generated during the weekday morning and weekday evening peak travel hours by the proposed development using the trip generation rates for the peak hour of the generator.

Land Use Code 152 – High-Cube Warehouse (565,320 square feet)									
Time Period	Average Rate	Split	In	Out	Total				
Weekday Morning Peak Hour	AR = 0.14	71/29	56	23	79				
Weekday Evening Peak Hour	AR = 0.16	37/63	34	57	91				
Weekday – Daily	AR = 1.68	50/50	475	475	950				

Table 1 - Total Trips for Site

Additionally, we monitored a future tenant, Amerisource Bergen, of the proposed Matrix warehouse. We found an existing Amerisource Bergen site with a similar leasing size, employee population and operation in Bethlehem Pennsylvania. According to Amerisource, the surveyed site is actually more active than is anticipated at the proposed project site. We calculated trip rates per 1,000 square feet based on traffic counts conducted at the Bethlehem site, which has a building size of approximately 307,425 square feet. The table below shows a comparison between the ITE trip rates (Table 1) for a high-cube warehouse and the calculated rates for the Bethlehem Amerisource Bergen operation. The rates are based on the peak hour of the generator.

	Trip Generation Rate								
Land Use	Weekday AM Peak Hour	Weekday PM Peak Hour							
High-Cube Warehouse (ITE Rates)	0.14	0.16							
Amerisource Bethlehem	0.078	0.133							
Difference	- 0.062	- 0.027							

Table 2 – Trip Generation Rate Comparison

Based on a review of the table above, the trip generation rates used for this Preliminary Assessment are a conservative representation of future operations in comparison to existing warehouse facilities operated by Amerisource Bergen.

Trip Distribution

We will determine the directional distribution of site generated traffic based on existing manual traffic counts and knowledge of the surrounding roadway network, including access to major arterials. We determined the trip distributions, for the preliminary analyses, based on surveys at Corporate Boulevard, which provides access to the Northeast Business Center (land use primarily warehouse), and at McDonald Street on N.Y. Route 17K. Table 3 summarizes the preliminary arrival and departure distributions.

Route (To/From)	Arrival & Departure Distributions				
N.Y. Route 17K (East)	60%				
N.Y. Route 17K (West)	40%				
Total	100%				

Table 3 – Trip Distribution

Capacity Analysis

We conducted capacity analyses for the intersections in the study area and summarized the results in the table below. Note that all the capacity analyses worksheets are attached.

10000000000000000000000000000000000000	13.02	ALL STREET	1	2017 Preliminary Build Condition										
Location	Ma	ement	N. CALL	AM	Part Street	A MARCH SOL	PM							
Location	MOV	ement	LOS (Delay)*	V/C**	Queue (feet)***	LOS (Delay)*	V/C**	Queue (feet)***						
			Unsignaliz	ed Interse	ction	S. 8 100.20								
	EB	L	A (8.9)	0.025	2	A (9.5)	0.019	2						
N.Y. Route 17K	WB	L,T	A (9.9)	0.037	2	A (10.0)	0.001	0						
and Ore Automatic	NB	L,T,R	E (36.7)	0.36	30	E (39.5)	0.102	6						
Orr Avenue /	SB	L	F (76.6)	0.234	16	F (140.5)	0.63	52						
Site Driveway		T,R	B (12.8)	0.021	2	C (15.3)	0.066	4						
A CONTRACT OF MARLES STOR	2.2	La raise	Signalized	d Intersec	tion	Lenning bir	Less							
		L	A (7.2)	0.02	10	A (7.1)	0.03	10						
	EB	Т	B (14.8)	0.70	564	B (12.6)	0.65	546						
		R	A (0.1)	0.03	0	A (0.0)	0.00	0						
N.Y. Route 17K	WD	L	A (3.6)	0.25	19	A (3.9)	0.03	7						
and McDonald Street /	WB	T,R	A (2.8)	0.36	125	A (9.8)	0.68	358						
	NO	L,T	C (27.6)	0.04	15	C (33.5)	0.35	56						
/olkswagen Driveway	NB	R	A (0.8)	0.11	0	B (10.4)	0.54	53						
· · · · · · · · · · · · · · · · · · ·	S8	L,T,R	A (0.3)	0.04	0	A (1.1)	0.14	0						
	Ov	erall	A (9.3)	-		B (11.5)	•	-						

Table 3 – Intersection Capacity Analysis Summary

Based on HCS Software

*Level of Service (Average vehicle delay [seconds per vehicle])

**Vehicle/capacity ratio

***95th Percentile Q (feet)

CAPACITY ANALYSIS WORKSHEETS

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HCM 2010 TWSC 6: Orr Ave/Site Drwy & NYS Route 17K

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Intersection

Int Delay, s/veh

(h) (h)

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Movement	EBL	E87	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Vol, veh/h	22	795	34	26	599	34	16	0	42	14	0	9
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-		None	-	-	None			None	-		None
Storage Length	150			100	1	125		-			-	150
Veh in Median Storage, #		0		-	0	-	8 2	0	2		0	
Grade, %	-	0			0			0			0	
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	0	2	0	0	2	0	0	0	0	0	0	0
Mymt Flow	24	864	37	28	651	37	17	0	46	15	0	10

Major/Minor	Major1	5.50	5	Major2	12.1	Call State	Minort	1000	6	Minor2	1.	2000
Conflicting Flow All	651	0	0	901	0	0	1638	1638	883	1661	1657	651
Stage 1	-			-	2		930	930		708	708	
Stage 2				-	*		708	708		953	949	
Critical Hdwy	4.1		-	4.1		-	7.1	6.5	6.2	7.1	6.5	6.2
Critical Holwy Stg 1			-	-		-	6.1	5.5		6.1	5.5	
Critical Hdwy Stg 2	-			•			6.1	5.5	-	6.1	5.5	-
Follow-up Hdwy	2.2			2.2			3.5	4	3.3	3.5	4	3.3
Pot Cap-1 Maneuver	945			763		•	81	102	348	78	99	472
Stage 1		•	-	() +			323	349	100	429	441	. 78
Stage 2			*	3 .	•	•	429	441	-	314	342	
Platoon blocked, %			. *			•						
Mov Cap-1 Maneuver	945			763	÷		76	96	348	65	93	472
Mov Cap-2 Maneuver					×.		76	96	12 30	65	93	1.7/*
Stage 1	-			1.0	2	33	315	340		418	425	
Stage 2	0.0						405	425		266	333	

Approach	68	WB	NB	
HCM Control Delay, s	0.2	0.4	36.7	51.6
HCM LOS			E	F

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1	S8L62		Televis and
Capacity (veh/h)	175	945			763			- 65	472		
HCM Lane V/C Ratio	0.36	0.025			0.037			0.234	0.021		
HCM Control Delay (s)	36.7	8.9			9.9	20		76.6	12.8		
HCM Lane LOS	E	A			A	•	8	F	в		
HCM 95th %tile Q(veh)	1.5	0.1			0.1	8	6	0.8	0.1		

8/17/2015 KAMP

Lanes, Volumes, Timings 3: McDonald Street/Drwy & NYS Route 17K

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2017 Build Condition Weekday AM Peak Hour

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Lane Group	SBL	EBT	EBR	WeL	WBT	WBR	NBL	NBT	VBR	SBL	SBT	SBR
Lane Configurations	٢	1	7	٦	4	(10.50)		स	۲		4.	
Volume (vph)	12	818	35	88	527	19	7	0	27	6	0	
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	11	12	12	11	12	12	12	12	12	12	12	12
Storage Length (ft)	150		400	125		0	0		400	0		0
Storage Lanes	1		1	1		0	0		1	0		0
Taper Length (ft)	75			75			25			25		
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Frt			0.850		0.995				0.850		0.951	
Fit Protected	0.950			0.950				0.950			0.969	
Satd. Flow (prot)	1745	1863	1615	1745	1855	0	0	1805	1615	0	1751	0
Fit Permitted	0.440	1000	1010	0.160	1000			1000				
Satd. Flow (perm)	808	1863	1615	294	1855	0	0	1900	1615	0	1807	0
Right Turn on Red	000	1000	Yes	204	1000	Yes		1000	Yes		1007	Yes
Satd. Flow (RTOR)			123		4	160			123		123	
Link Speed (mph)		55	120		55			25	120		25	
Link Distance (ft)		543			476			489			197	
Travel Time (s)		6.7			5.9			13.3			5.4	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
	0.92			0.92	2%	0%	0.92	0%	0.92	0%	0.92	0.92
Heavy Vehicles (%)		2% 889	0% 38		573	21			29	7	0 0	4
Adj. Flow (vph)	13	669	30	96	5/3	21	8	0	29		U	4
Shared Lane Traffic (%)	10	000	20	00	504	0	0		20	0	11	0
Lane Group Flow (vph)	13	889	38	96	594	0	0	8	29	0		0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)	1.2631.9	11	23		11	6.8	- E-	0	1.00		0	
Link Offset(ft)		0	and the second second		0			0		1 Martin V	0	No. of Concession
Crosswalk Width(ft)		16	1.12.01.56		16			16			16	
Two way Left Turn Lane					1.00		1 00	4.00		1 00	4.00	4.00
Headway Factor	1.04	1.00	1.00	1.04	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15		9	15		9	15		9	15		Я
Number of Detectors	1.4.2.8.10	2		A SCI 1	2	1.13	1. 1. 2.	2 10 2		- 11	2	195° X
Detector Template	Left	Thru	Right	Left	Thru		Left	Thru	Right	Left	Thru	
Leading Detector (ft)	20	100	20	= 20	100		20	100	20	20	100	
Trailing Detector (ft)	0	0	0	0	0		0	0	0	0	0	
Detector 1 Position(ft)	0	0	0	0	0		0	0	0	0	0	- 41.4
Detector 1 Size(ft)	20	6	20	20	6		20	6	20	20	6	
Detector 1 Type	CI+Ex	CI+Ex	CI+Ex	CI+Ex	CI+Ex		CI+Ex	CI+Ex	CI+Ex	CI+Ex	CI+Ex	
Detector 1 Channel												
Detector 1 Extend (s)	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	
Detector 1 Queue (s)	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	
Detector 1 Delay (s)	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	
Detector 2 Position(ft)		94			94			94			94	
Detector 2 Size(ft)		6	1000		6	2 22		6	1. 1.		6	
Detector 2 Type		CI+Ex			CI+Ex			CI+Ex			CI+Ex	
Detector 2 Channel			A.P. 8	12.14	128.		Sa. Xa	1964		4 44		
Detector 2 Extend (s)		0.0			0.0			0.0			0.0	
Turn Type	Perm	NA	Perm	pm+pt	NA		Perm	NA	Perm	Perm	NA	123.6
Protected Phases		2	100 C	1	6			8			4	

8/17/2015

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Lanes, Volumes, Timings

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3: McDonald Street/Drwy & NYS Route 17K

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Lane Group	EBL	EBT	.588	WBL	WBT	War	NBL	NBT	NBR	SBL	SBT	SB
Permitted Phases	2	W. Sant	2	6	and the second second	1.1.1.1.1.1	8	12100	8	4	THE REAL	EXCV.
Detector Phase	2	2	2	1	6		8	8	8	4	4	
Switch Phase												
Minimum Initial (s)	10.0	10.0	10.0	3.0	10.0		5.0	5.0	5.0	5.0	5.0	
Minimum Split (s)	16.0	16.0	16.0	9.0	16.0		11.0	11.0	11.0	11.0	11.0	
Total Split (s)	40.0	40.0	40.0	15.0	55.0		25.0	25.0	25.0	25.0	25.0	
Total Solit (%)	50.0%	50.0%	50.0%	18.8%	68.8%		31.3%	31.3%	31.3%	31.3%	31.3%	
Maximum Green (s)	34.0	34.0	34.0	9.0	49.0		19.0	19.0	19.0	19.0	19.0	
Yellow Time (s)	5.0	5.0	5.0	5.0	5.0		5.0	5.0	5.0	5.0	5.0	
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0	1.0	
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0			0.0	0.0		0.0	
Total Lost Time (s)	6.0	6.0	6.0	6.0	6.0			6.0	6.0		6.0	
Lead/Lag	Lag	Lag	Lag	Lead				1.14			-	
Lead-Lag Optimize?	Yes	Yes	Yes	Yes								
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0		3.0	3.0	3.0	3.0	3.0	11
Recall Mode	Max	Max	Max	None	Max		None	None	None	None	None	
Act Effct Green (s)	43.1	43.1	43.1	52.2	56.1		35775	6.0	6.0		6.0	25
Actuated g/C Ratio	0.68	0.68	0.68	0.83	0.89			0.10	0.10		0.10	
//c Ratio	0.02	0.70	0.03	0.25	0.36	125.3	107	0.04	0.11	1912	0.04	Tains
Control Delay	7.2	14.8	0.1	3.6	2.8	1974 - D.		27.6	0.8		0.3	100.00
Queue Delay	0.0	0.0	0.0	0.0	0.0	110.00	est X.	0.0	0.0	SE CYX		1786
Total Delay	7.2	14.8	0.1	3.6	2.8		1969 A. S. S. A.	27.6	0.8		0.3	
LOS	A	B	A	A	A	13576	Set in M	C	A	101110		1812
Approach Delay		14.1			2.9	1.161.5.1441		6.6	analysis of the	addine to all and	0.3	
Approach LOS	A. FRAM	B		1059	A	110660	201012		1.5	1000		34.9
90th %ile Green (s)	35.4	35.4	35.4	7.6	49.0	1.00	6.9	6.9	6.9	6.9	6.9	
Oth %ie Term Code	Hold	Hold	Hold	Gap	MaxR		Gap	Gap	Gap	Hold	Hold	10.52
70th %ile Green (s)	36.1	36.1	36.1	6.9	49.0	00.990-3256	6.3	6.3	6.3	6.3	6.3	
Oth %ile Term Code	Hold	Hold	Hold	Gap	MaxR	exi et al.	Gap	Gap	Gap	Hold	Hold	11.6
60th %ile Green (s)	37.5	37.5	37.5	5.5	49.0	State Pres	0.0	0.0	0.0	0.0	0.0	C.p.m
50th %ile Term Code	Hold	Hold	Hold	Gap	MaxR	CREWERSON	Skip	Skip	Skip	Skip		16.02
80th %ile Green (s)	37.5	37.5	37.5	5.5	49.0	A COLORE	0.0	0.0	0.0	0.0	0.0	
Oth %ile Term Code	Hold	Hold	Hold	Gap	MaxR	month	Skip	Skip	Skip	Skip		ant in
10th %ile Green (s)	64.0	64.0	64.0	0.0	64.0		0.0	0.0	0.0	0.0	0.0	
	Owell	Dwell	Dwell	Skip	Dwell	No. of State	Skip	Skip	Skip	Skip	Skip	1001
Oth %ile Term Code	6	477	0	17	109	126.434	Owh	okip	0 D	Only	Onip	-28-4
Stops (vph)	0	14	Ő	100	4		D.Coners	3	Ő	NUE285	0	12
uel Used(gal)	12	989	8	45	279	. MINES	NE SERVICE	7	9	A R T LARR	1	
O Emissions (g/hr)	2	192	2	45	54		MAR IN	A among a	2		ò	
IOx Emissions (g/hr)				10	65		Whereit	2	2	14.200	0	
OC Emissions (g/hr)	3	229	2				B-1000 5-27	0 0	ó	PLAN Y	0	
Vilemma Vehicles (#)	0	47	0	0	21	01022483		0	0		0	
Queue Length 50th (ft)	1	136	0	0	0			16	0		0	
Queue Length 95th (ft)	10	#564	0	19	125	574-553	CALCER OF	15	0	1415 224	0	TOTAL COLUMN
ternal Link Dist (ft)	100	463	100	100	396	Service and	in the second second	409	100	a second	117	51 1 2 2 2
urn Bay Length (ft)	150		400	125	STATISTICS.	1.12.9.8	20200230	1444	400	S CHEST	000	1.94
lase Capacity (vph)	552	1275	1144	453	1651		erer a	579	577		636	
tarvation Cap Reductn	0	0	0	0	0	20 V 10 10	時後的	0	0	1341528	and the second se	
pillback Cap Reductn	0	0	0	0	0			0	0	-	0	
torage Cap Reductn	0	0	0	0	0			0	0	Constant and	0	52,8

8/17/2015

KAMP

Lanes, Volumes, Timings 3: McDonald Street/Drwy & NYS Route 17K

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Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Reduced v/c Ratio	0.02	0.70	0.03	0.21	0.36			0.01	0.05		0.02	
Intersection Summary	S. ha					TESS I						
Area Type: Ot	her											
Cycle Length: 80					16						13 B	
Actuated Cycle Length: 63												
Natural Cycle: 60	There .		1		1.000	125. 2			a sugar starting	1.99	Mary Same	
Control Type: Actuated-Uncoo	rdinated											
Maximum v/c Ratio: 0.70	S. Yak	- A.				· Minerer.	5			et-sur a		
ntersection Signal Delay: 9.3				In	tersection	LOS: A						
ntersection Capacity Utilizatio	n 68.8%			IC	U Level o	f Service	C		an at an			
Analysis Period (min) 15												
90th %ile Actuated Cycle: 67.9)					Po (1						
70th %ile Actuated Cycle: 67.3	3											
50th %ile Actuated Cycle: 55												
30th %ile Actuated Cycle: 55												
10th %ile Actuated Cycle: 70	1225				Sec.	- Beert	1.1.1	Mr.		ale in the	22 22	
# 95th percentile volume exc Queue shown is maximum	eeds cap after two	acity, que cycles.	eue may t	e longer	i neg	17.10	511.000 P	1997 T	1578	olwitan	10724	
Splits and Phases: 3: McDo	nald Stree	el/Drwy 8	NYS Ro	te 17K								
f a1 -	P02				0000000000			+ #4				

101		♦ #4
15 Selfer and		25 s 350 m 25 s 350 m 25 s 350 m 25 s
4-		1#8
55 CONTRACTOR	2. A. M.	25 5

Intersection. 3.2

Int Delay, s/veh

(*)

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Vol, veh/h	14	893	3	CASES CONSERVE	769	20	4	0	7	34	0	23
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized			None	17		None	-	-	None	-		None
Storage Length	150	1		100	1.1.1	125	and a second	-			12.00	150
Veh in Median Storage, #	-	0		-	0		1.5	0	-		0	
Grade, %	NUMBER OF BRIDE	0	-	STATISTICS AND ADDRESS	0	99.636ga		0	Bear a	general contraction	0	1000
Peak Hour Factor	93	93	93	93	93	93	93	93	93	93	93	93
Heavy Vehicles, %	0	. 2	0	0	5	0	0	0	0	0	0	0
Mymt Flow	15	960	3	1	827	22	4	0	8	37	0	25
W. M. B. B. L. B. B. L. B.	1 1 1		45 2	i Thinks	in John	a treat	1. 1. 11. 11	动物的	3-34 %	1. A. M.		1
MajoriMinor	Majori	1.00	3.8%	Major2	a hat		Minort	212	EVER	Minor2	6.8	Maline.
Conflicting Flow All	827	0	0	963	0	0	1821	1821	962	1825	1823	827
Stage 1			37				992	992		829	829	
Stage 2	可访问的	15 .	THE W	A 7928	22107	37.3	829	829	128	996	994	WERE!
Critical Hdwy	4.1	-	-	4.1			7.1	6.5	6.2	7.1	6.5	6.2
Critical Hdwy Stg 1	1251527	1324	6829	SOF HERE	ASSA.	RUSK	6.1	5.5	1997-34	6.1	5.5	12:22
Critical Hdwy Stg 2			-			7.0	6.1	5.5		6.1	5.5	
Follow-up Hdwy	22	SIC.	2144	22	SS 14	5 75.21	3.5	4	3.3	3.5	4	3.3
Pot Cap-1 Maneuver	813		-	723		-	60	78	313	60	78	375
Stage 1. Stage 1.	Same B	AL R	1413	SHERE SHERE	2148	2.44587	299	326	1100	368	388	2077.2
Singo 2							930	200		207	326	

Stage 2	-			-		•	368	388	-	297	326	-
Platoon blocked, %	Section and	1.1	and an or a	south and referred to be	2122	1. 2. 2.	C RANDER	312.3	Notin In	Contraction of the second	2005	12221
Mov Cap-1 Maneuver	813	-		723			55	76	313	58	76	375
Mov Cap-2 Maneuver	NON-SEA	104	CHALL A	GER BER	111	194-121	55	76	States and	58	76	12271
Stage 1						1	293	320		361	387	
Stage 2	CONTRACTOR OF	1740	Max States	COM SELE	1.22	Res Day	343	387	STATUS	285	320	52.53

Approach	EB	WB	NB	\$ 8
HCM Control Delay, s	0.1	0	39 5	90
HCM LOS	科科研究院展示的 和1443	語政府に行いてはなる意思	E State	选择《新加尔拉·希尔尔斯特尔尔》

Minor Lane/Major Mumt	NBLp1	EBL	EST	EBR	WBL	W8T	MBR	SBLn1	SBLn2	
Capacity (veh/h)	116	813		12	723		1.0	58	375	
HCM Lane V/C Ratio	0.102	0.019	151-5	List &	0.001	1.1.1	2151	0.63	0.066	指针动物的正式的影响计算机
HCM Control Delay (s)	39.5	9.5			10			140.5	15.3	
HCM Lane LOS	E	A	NOW 2	1884	A		100	F	C	的现在分词的。 一般的问题: 一》一面的: 一》一面的: 一》一面的: 一》一面的: 一》一面的: 一》一面的: 一面的: 一题: 一》一面的: 一面: 一面的: 一面的: 一面: 一面: 一面: 一面: 一面: 一面: 一面: 一面
HCM 95th %tile Q(veh)	0.3	0.1	2		0	53	05	2.6	0.2	

Lanes, Volumes, Timings

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2017 Build Condition Weekday PM Peak Hour

3: McDonald	Street/Drwy	18	NYS	Route	17K

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Lane Group	183	EBT	EBR	W/BL	WBT	VIBR	NBL	NBT	NBR	SEL	SBT	SBF
Lane Configurations	٦	1	1	٦	and the second se			स	1		4	
Volume (vph)	10	787	3	12	816	16	55	0	189	23	0	1
Ideal Flow (vphpi)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	11	12	12	. 11	12	12	12	12	12	12	12	12
Storage Length (ft)	150		400	125		0	0		400	0		(
Storage Lanes	1		1	1		0	0		1	0		0
Taper Length (ft)	75			75			25			25		100
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Frt	1.00		0.850		0.997			1.00	0.850		0.946	
Fit Protected	0.950		0.000	0.950	0.001			0.950	0.000		0.971	
Satd. Flow (prot)	1745	1863	1615	1745	1840	0	0	1805	1615	0	1745	0
Fit Permitted	0.288	1000	1015	0.202	1040	1.0		0.731	1010		0.782	
Satd. Flow (perm)	529	1863	1615	371	1840	0	0	1389	1615	0	1406	0
Right Turn on Red	529	1003	Yes	3/1	1040		U	1309	Yes	v	1400	Yes
			123			Yes			201		123	163
Satd. Flow (RTOR)			123		2		1.00	05	201		25	
Link Speed (mph)		55			55			25			197	
Link Distance (ft)		543			476			489				
Travel Time (s)		6.7		2.04	5.9	2.04		13.3	0.04	0.04	5.4	0.04
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Heavy Vehicles (%)	0%	2%	0%	0%	3%	0%	0%	0%	0%	0%	0%	0%
Adj. Flow (vph)	11	816	3	13	868	17	59	0	201	24	0	16
Shared Lane Traffic (%)	21-15 here	2335	A State of the	E		- Nell	100	We - Proven	2 Me	1-	100	
Lane Group Flow (vph)	11	816	3	13	885	0	0	59	201	0	40	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(ft)		3.11	动着名	ASTER A	11	Supplation of	調査部項	0	45555	IS STAR	0	
Link Offset(ft)		0			0			0			0	
Crosswalk Width(ft)	EX REL	16	后因和重	1243	16			16	12.285	States.	16	
Two way Left Turn Lane												
Headway Factor	1.04	1.00	1.00	1.04	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (mph)	15		9	15		9	15		9	15		9
Number of Detectors	a and the second se	2	AF-83 17	1	2	WAT DO	1	2	11000	2012	2	126-6
Detector Template	Left	Thru	Right	Left	Thru		Left	Thru	Right	Left	Thru	
Leading Detector (ft)	20	100	20	20	100	STREET	20	100	20	20	100	
Trailing Detector (ft)	0	0	0	0	0		0	0	0	0	0	
Detector 1 Position(ft)	0	0	0	0	0	27.5150	0	0	0	0	0	
Detector 1 Size(ft)	20	6	20	20	6		20	6	20	20	6	
Detector 1 Type	CI+Ex	CI+Ex		CI+Ex	CI+Ex		CI+Ex	CI+Ex	CI+Ex	CI+Ex	CI+Ex	
Detector 1 Channel							52252	7.53				
Detector 1 Extend (s)	0.0	0.0	0.0	0.0	0.0	112272	0.0	0.0	0.0	0.0	0.0	
Detector 1 Queue (s)	0.0	0.0	0.0	0.0	0.0	1000	0.0	0.0	0.0	0.0	0.0	
Detector 1 Delay (s)			0.0	0.0		ZAME	0.0	0.0	0.0	0.0	0.0	
Detector 2 Position(ft)		94	0.0		94	1000		94			94	
Detector 2 Size(ft)	ARTER THAT	6	SAL SER	12.740.04	6	VICTOR'S	et the	6	7 . 7 188		6	
Detector 2 Type	STREET.	CI+Ex	111.1.1.1.1.1.1.1	1104-001	CI+Ex		SPR LOUGH	CI+Ex	Sec. Sec. Se	and the second	CI+Ex	
	Contraction of the	OFEX	CARRIE		UTCA	engas	112.24	UTCX			UNEX	
Detector 2 Channel		0.0	and the second	permitted.	0.0	-acal W	Cardina 74	0.0		120 Mar 200	0.0	
Detector 2 Extend (s)	Dem	0.0	Deres	non i al			Derm	0.0	Derm	Derm		
Turn Type	Perm	NA	Perm	pm+pt		1417/20)	Perm		Perm	Perm	NA 4	
Protected Phases		2		1	6			8			4	

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8/17/2015 KAMP

Lanes, Volumes, Timings 3: McDonald Street/Drwy & NYS Route 17K

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Lane Group	EBL	587	EBR	WBL	WBT	WBR.	NBL.	NBT	NER	SBL	SBT	SBR
Permitted Phases	2	Statistic	2	6	1249-61		8	N Tarty	8	4		1.53.204
Detector Phase	2	2	2	1	6		8	8	8	4	4	
Switch Phase												
Minimum Initial (s)	10.0	10.0	10.0	3.0	10.0		5.0	5.0	5.0	5.0	5.0	
Minimum Split (s)	16.0	16.0	16.0	9.0	16.0		11.0	110	11.0	11.0	11.0	
Total Split (s)	40.0	40.0	40.0	15.0	55.0		25.0	25.0	25.0	25.0	25.0	
Total Split (%)	50.0%	50.0%	50.0%	18.8%	68.8%		31.3%	31.3%	31.3%	31.3%	31.3%	
Maximum Green (s)	34.0	34.0	34.0	9.0	49.0		19.0	19.0	19.0	19.0	19.0	
Yellow Time (s)	5.0	5.0	5.0	5.0	5.0		5.0	5.0	5.0	5.0	5.0	
All-Red Time (s)	1.0	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0	1.0	
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0		a 1200	0.0	0.0		0.0	
Total Lost Time (s)	6.0	6.0	6.0	6.0	6.0			6.0	6.0		6.0	
Lead/Lag	Lag	Lag	Lag	Lead	0.0			40.000				
Lead-Lag Optimize?	Yes	Yes	Yes	Yes								
Vehicle Extension (s)	3.0	3.0	- 3.0	3.0	3.0		3.0	3.0	3.0	3.0	3.0	
Recall Mode	Max	Max	Max	None	Max		None	None	None	None	None	
Act Effct Green (s)	46.8	46.8	46.8	49.1	49.1		HOLIO	8.5	8.5	none	8.5	
Actuated g/C Ratio	0.67	0.67	0.67	0.71	0.71		11000	0.12	0.12		0.12	
v/c Ratio	0.03	0.65	0.00	0.03	0.68		1.45.67	0.35	0.54		0.14	
Control Delay	7.1	12.6	0.0	3.9	9.8		000000	33.5	10.4		1.1	
Queue Delay	0.0	0.0	0.0	0.0	0.0	12.000	1	0.0	0.0		0.0	
Total Delay	7.1	12.6	0.0	3.9	9.8		0.000	33.5	10.4	0.00100	1.1	
LOS	A	B	A	A	3.5 A	110.044		C	8		A	
Approach Delay		12.5			9.7	11 Call In	allo (Collab	15.7	to select the se	10 - 20 - 20 - 20 - 20 - 20 - 20 - 20 -	1.1	8 · · · · ·
Approach LOS	Cat 6 BURN	B	0.000	1.48.64	A			B	12048	a said	A	6
90th %ie Green (s)	36.9	36.9	36.9	6.1	49.0		12.7	12.7	12.7	12.7	12.7	111111111
90th %ie Term Code	Hold	Hold	Hold	Gap	MaxR		Gap	Gap	Gap	Hold	Hold	Ed Stand
70th %ie Green (s)	49.0	49.0	49.0	0.0	49.0	CONTRACTOR NO.	9.6	9.6	9.6	9.6	9.6	19.00
70th %ie Term Code	Hold	Hold	Hold	Skip	MaxR	g-anticipies	Gap	Gap	Gap	Hold	Hold	19-10-1-1-1
50th %ile Green (s)	49.0	49.0	49.0	0.0	49.0		8.3	8.3	8.3	8.3	8.3	1. A. M. A
50th %/e Term Code	Hold	Hold	Hold	Skip	MaxR		Gap	Gap	Gap	Hold	Hold	和分子
30th %ile Green (s)	49.0	49.0	49.0	0.0	49.0		6.9	6.9	6.9	6.9	6.9	
30th %ie Term Code	Hold	Hold	Hold	Skip	MaxR	Sections.	Gap	Gap	Gap	Hold	Hold	1.65%
10th %ile Green (s)	49.0	49.0	49.0	0.0	49.0		5.5	5.5	5.5	5.5	5.5	
10th %ile Term Code	Hold	Hold	Hold	Skip	MaxR	8 T. A. 26	Gap	Gap	Gap	Hold	Hold	
Stops (vph)	5	405	0	5	456	104 No.2	Oop	48	31	TION	0	
Fuel Used(gal)	0	12	ő	Ő	13			40	31		0	
CO Emissions (g/hr)	10	848	1	10	884	2 m 102 m	APPART NOT	55	91		5	
	2	165	ò	2	172		CNC-122	11	18		1	
NOx Emissions (g/hr)		105	0		205	ACCOUNTS OF		13	21		1	
VOC Emissions (g/hr)	2		0	2	59			10	0			
Dilemma Vehicles (#)	0	45	0	0	169		al addances	24	0	49.0.0	0	
Queue Length 50th (ft)	10	145 #546	0	7	358			56	53		0	
Queue Length 95th (ft)	10		Marter V	1.200 1 10			the carding of		-03	· Margaret	117	Part 1
nternal Link Dist (ft)	1. 100	463	100	405	396	KANTER D		409	100		117	
Furn Bay Length (ft)	150	1050	400	125	1007			070	400	and the	170	
Base Capacity (vph)	355	1252	1125	439	1297			379	587		473	
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Spillback Cap Reductn	0	0	0	0	0		the state of the	0	0		0	
Storage Cap Reductn	0	0	0	0	0	A She	14-14-13 19-14-19-19-19-19-19-19-19-19-19-19-19-19-19-	0	0	1997	0	120

8/17/2015

KAMP

Lanes, Volumes, Timings 3: McDonald Street/Drwy & NYS Route 17K

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Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Reduced v/c Ratio	0.03	0.65	0.00	0.03	0.68			0.16	0.34	29	0.08	
Intersection Summary			and all	5 155		6.7 82.				SS SS		2013
Area Type:	Other											
Cycle Length: 80	0											
Actuated Cycle Length: 69.6	5											
Natural Cycle: 60												
Control Type: Actuated-Uno	oordinated											
Maximum v/c Ratio: 0.68												
Intersection Signal Delay: 1	1.5			In	ersection	LOS: B						
ntersection Capacity Utiliza	tion 71.2%			IC	U Level o	Service	C					
Analysis Period (min) 15												
90th %ile Actuated Cycle: 7:	3.7											
70th %ile Actuated Cycle: 70).6											
50th %ile Actuated Cycle: 65	9.3											
30th %ile Actuated Cycle: 67	7.9											
10th %ile Actuated Cycle: 66	6.5											
95th percentile volume e	xceeds cap	acity, que	eue may t	be longer.	<i>3</i>							
Queue shown is maximu	m after two	cycles.										

Splits and Phases: 3: McDonald Street/Drwy & NYS Route 17K

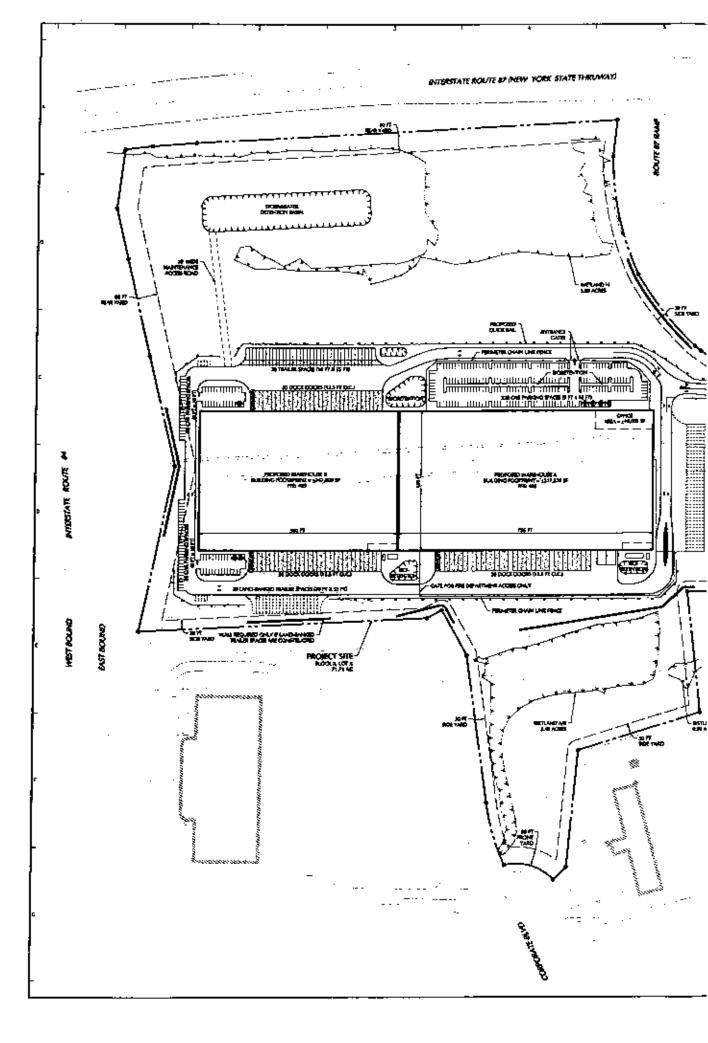
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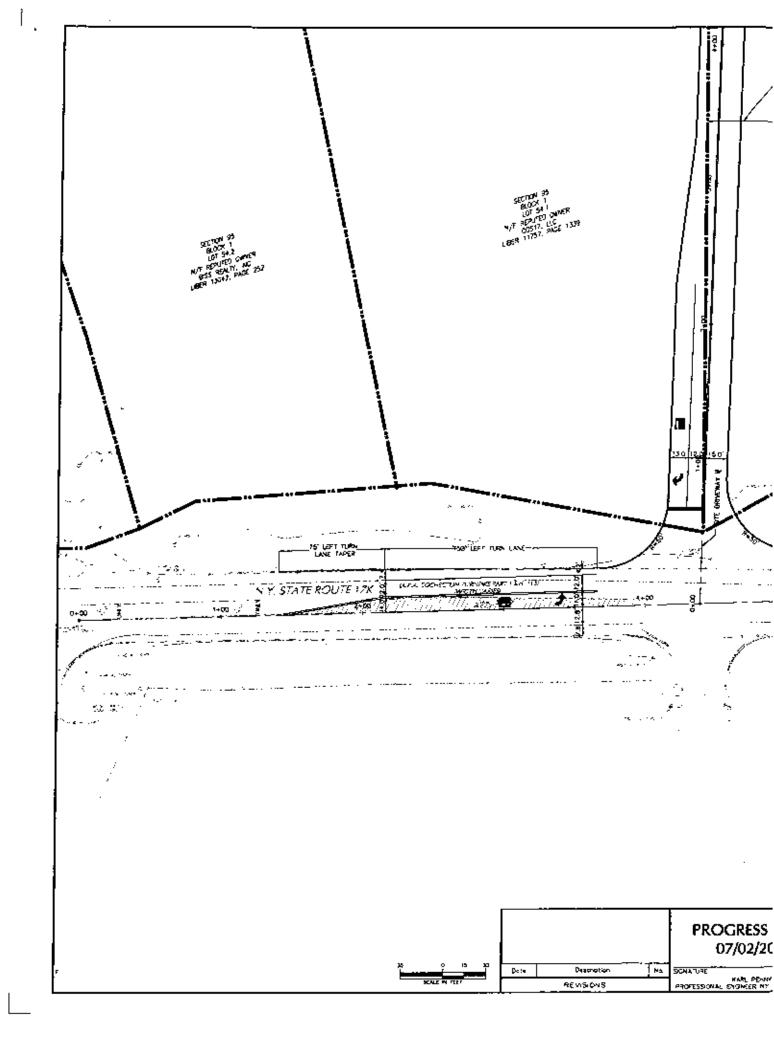
SITE PLAN

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ARCHITECTURAL REVIEW FORM TOWN OF NEWBURGH PLANNING BOARD

DATE: <u>9/9/15</u> NAME OF PROJECT: MATRIX BUSINESS PARK AT NEWBURGH

The applicant is to submit in writing the following items prior to signing of the site plans.

EXTERIOR FINISH (skin of the building):

Type (steel, wood, block, split block, etc.)

PRECAST OF TILT-UP CONCRETE PANELS

COLOR OF THE EXTERIOR OF BUILDING:

ACCENT TRIM:

3.04

Location: SEE ELEVATIONS FOR ACCENTS Color: TBD

Type (material): VARIOUS PATTERNS ON PANELS

PARAPET (all roof top mechanicals are to be screened on all four sides): VARIES FROM 1/2-3 FEET ALONG BLDG. PERI METER-

ROOF:

Type (gabled, flat, etc.): <u>GABLED</u>, SLOPED ¹/4["] PBR FOOT Material (shingles, metal, tar & sand, etc.): <u>POLYOLEFIN MEMBRANE</u> Color: <u>WHITE</u>

WINDOWS/SHUTTERS:

Color (also trim if different): ANODIZED AUMINUM FRAMES Type: FIXED WINDOWS W/TH I' CLEAR OR SPANDREL GLAZING. THERE ARE NO SHUTTERS ON THE PROJECT.

DOORS:

Color: PAINTED - COLOR TBD

Type (if different than standard door entrée): HOLLOW METAL

SIGN:

Color:	Твр
Material:	TBO

Square footage of signage of site: **BEFER TO STAFE PLAN AND** EUEVATIONS

EDMUND P. KLIMEK, PARTHER, KGG ARCHITECTI.

Please print name and title (owner, agent, builder, superintendent of job, etc.)

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PLANNING BOARD DISCLAIMER STATEMENT TO APPLICANTS

The applicant is advised that the Town of Newburgh Municipal Code, which contains the Town's Zoning Law, is subject to amendment. Submission of an application to this Board does not grant the applicant any right to continued review under the Code's current standards and requirements. It is possible that the applicant will be required to meet changed standards or new Code requirements made while the application is pending.

An approval by this Board does not constitute permission, nor grant any right to connect to or use municipal services such as sewer, water or roads. It is the applicant's responsibility to apply for and obtain the Town of Newburgh and other agency approvals not within this Board's authority to grant.

The applicant hereby acknowledges, consents, and agrees to the above.

MATRY Newburgh 1, LLC, by Donald M. Epstein, Manace APPLICANT'S NAME (printed)

ICANT'S SIGNATURE

FEE ACKNOWLEDGEMENT

The town of Newburgh Municipal Code sets forth the schedule of fees for applications to the Planning Board. The signing of this application indicates your acknowledgement of responsibility for payment of these fees to the Planning Board for review of this application, including, but not limited to escrow fees for professional services (planner/consultant, engineering, legal), public hearing and site inspection. Applicant's submissions and resubmissions are not complete and will not be considered by the planning board or placed upon its agenda unless all outstanding fees have been paid. Fees incurred after the stamping of plans will remain the responsibility of the applicant prior to approval of a building permit or certificate of occupancy. Fee schedules are available from the Planning Board Secretary and are on the Town's website.

MATELY NEWBURGH , ULC by: Donald M. Epstein, MANAGER APPLICANT'S NAME (printed)

APPEICANTS SIGNATURE MARGEN

DATE

Note: if the property abuts and has access to a County or State Highway or road, the following information must be place on the subdivision map: entrance location, entrance profile, sizing of drainage pipe (minimum length of pipe to be twenty-four (24) feet).

Town of Newburgh 308 Gardnertown Road Newburgh, New York 12550

Examined _____ 20___

Approved______20___

Disapproved_____20___

APPLICATION FOR CLEARING AND GRADING

Fee:	\$500.00	_ Date:	9/9/15
NAMI	E OF OWNEI	R OF PREMISES: M	atrix Newburgh I LLC
ADDR	ESS OF OW	NER:	14000, Cranbury NJ 08512
			732 521-2900
State v	whether appli	cant is owner, lessee,	
engine	er or contrac	tor: Applica	ant is Owner
		which proposed wor OF NEWBURGH, ORA	k will be done: NGE COUNTY, NEW YORK
Section	n: <u>95</u> Blo	ck:Lot:	LOT TBD (portion of prior lots
Zoning	; District of P	roperty <u>IB DISTRICT</u>	_Size of Lot: 71.7 AC
Propos	ed Completio	on Date: 04/1/2015	
Name	of Contractor	/Agent, if other than	owner:To be determined
	A	ddress	
Tel:			
Date of	f Planning Bo	ard Approval:	
			(if required)
any cla		Id the Town of Newb	

Donald M Epstein, MAWAGER - MARCE New burgh 1, ULC

Page 2 APPLICATION FOR CLEARING AND GRADING (CON'T)

State nature and purpose of the proposed activity:

- (1) (Drawings showing the boundaries of the parcel will be conducted:
- (2) (*) A plan showing areas proposed to be cleared, filled or graded or subjected to timber harvesting and nature of the vegetation affected.
- (3) (An erosion control plan:
- (4) Solution (4) Documentation regarding permit status with the New York State Department of Environmental Conservation permit required must be in effect prior to the Town's issuing a permit
- (5) Plans must show the type of vegetation to be WOODED LOT TO BE CLEARED AND destroyed by the proposed activities along with the planned disposition of the desmaterial:
 GRADED PER THE SUBMITTED GRADING PLAN. PLANNED DISPOSITION TO BE PROVIDED BY CONTRACTOR.
- (6) (Drainage computations prior to site preparation and after site preparation may be required.
- (7) (Nature of proposed activity: SEE GRADING AND SESC PLAN
 - () Clearing +/-35 ACRES Acerage
 - () Excavation <u>+/- 550,000</u> Cubic Yards
 - () Filling +/- 550,000 Cubic Yards
 - () Grading <u>+/-35 ACRES</u> Acerage



TOWN OF NEWBURGH

1496 Route 300, Newburgh, New York 12550

GIL PIAQUADIO Supervisor September 1, 2015

Orange County Industrial Development Agency 4 Crotty Lane, Suite 100 New Windsor, NY 12553 Attn: James R. Petro, Jr., Executive Director

Re: Matrix Newburgh I LLC

Dear Mr. Petro:

You have advised me that the Orange County Industrial Development Agency's Board seeks input from the Town of Newburgh Town Board with regard to support for the IDA application of Matrix Newburgh I LLC for sales tax, partial mortgage tax and real property tax exemptions for a project in the Town of Newburgh. Thank you for the IDA's consideration in this regard.

I am additionally in receipt of a copy of a letter from the City of Newburgh's City Manager dated August 20, 2015 addressed to the Town of Newburgh Planning Board Chairman regarding Matrix Newburgh I LLC's application to the Planning Board for lot line changes. The letter raises concerns that an appropriate environmental review is not being conducted of the action, particularly with regard to a chemical/pharmaceutical facility's potential impacts on the City of Newburgh's Washington Lake Reservoir watershed, the City having learned of the pending application to the IDA. The letter additionally raises concerns that the action, inclusive of the Planning Board and IDA applications, has not been appropriately classified under SEQRA. It further requests that "critical infrastructure assets of the City's drinking water reservoir watershed" be depicted and addressed.

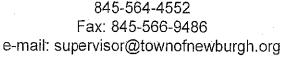
The Town Board is awaiting clarification from the Town Planning Board and IDA as to how the City of Newburgh's above concerns with the review of the pending applications will be addressed prior to taking up the matter of its support for the IDA application.

Sincerely

Gilbert J. Piaquadio, Supervisor

Deputy Supervisor/Town Engineer Planning Board Chairman Town Assessor City Manager Matrix Newburgh I LLC

GJP/ cc:



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Project No.: 2015-22243 Issued: 09/03/15 BUILDING PLAN



Aatrix Business Park at

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wn of Newburgh, Orange County, New York Gevelopment Group

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W	No. Date Revision 1 09/10/2015 Site Plan Submission 1 09/10/2015 Site Plan Submission Revision Superior Rest Architector Princeton (Philedelphis 337 Witherspoon Street Princeton, NJ 08542 1: 609.921.7131

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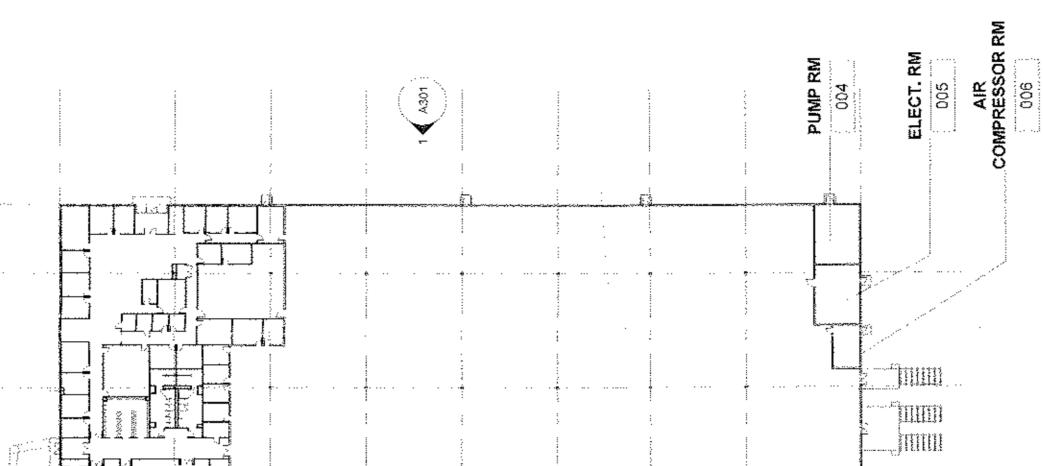
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Urantory, NJ 08 732.521.2900

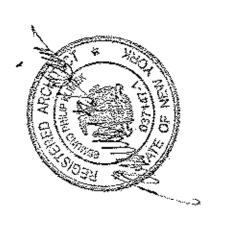
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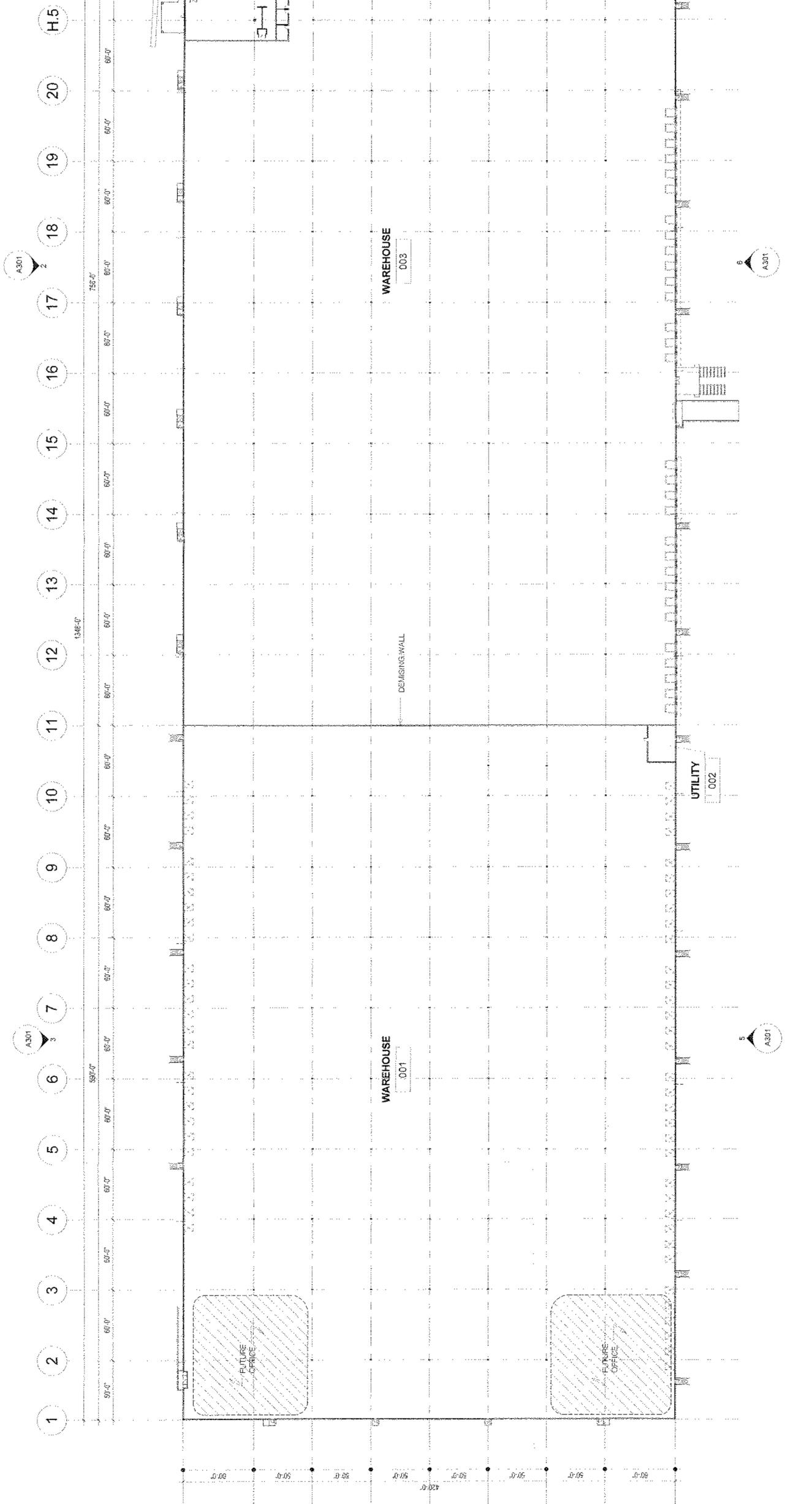




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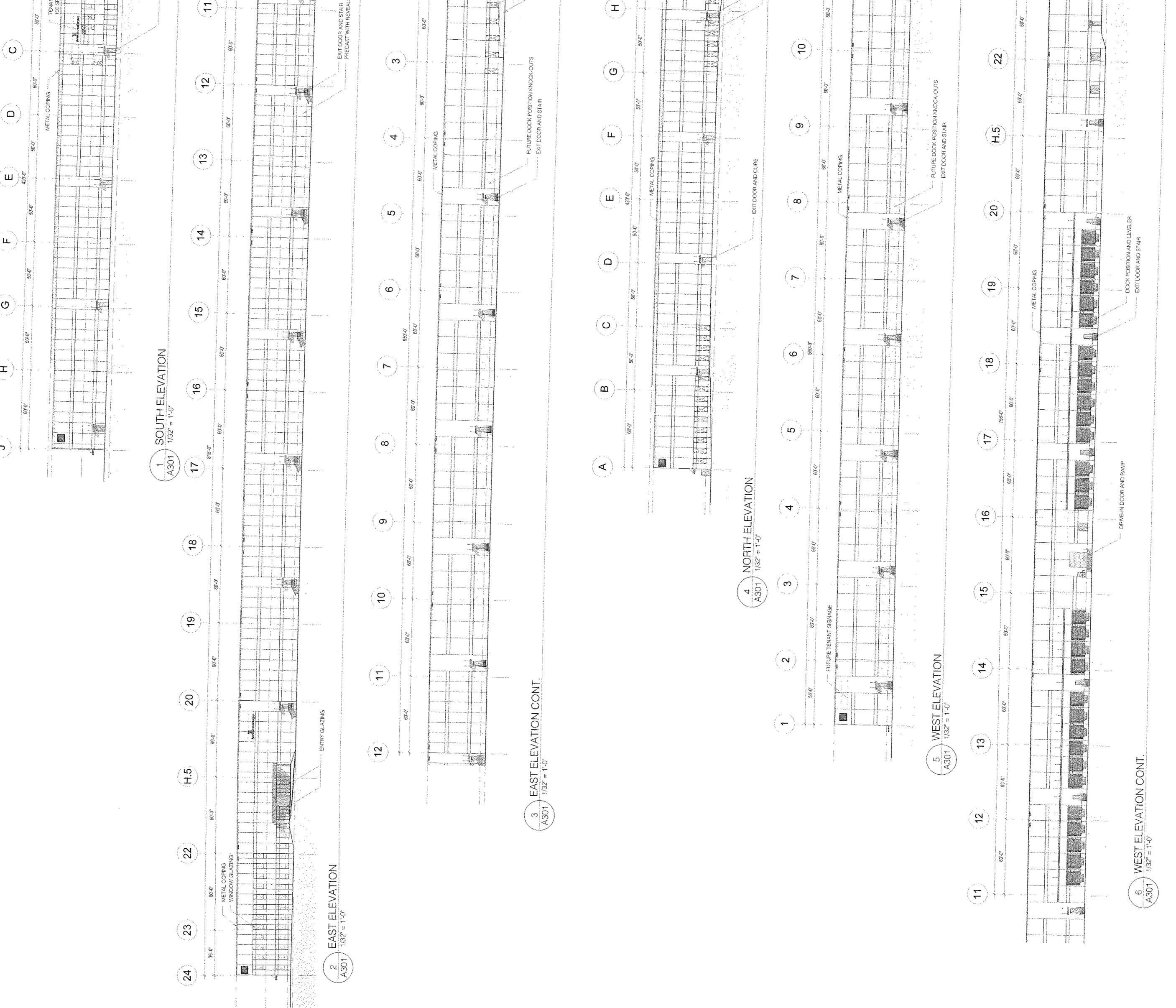
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SITE PLAN FC A101

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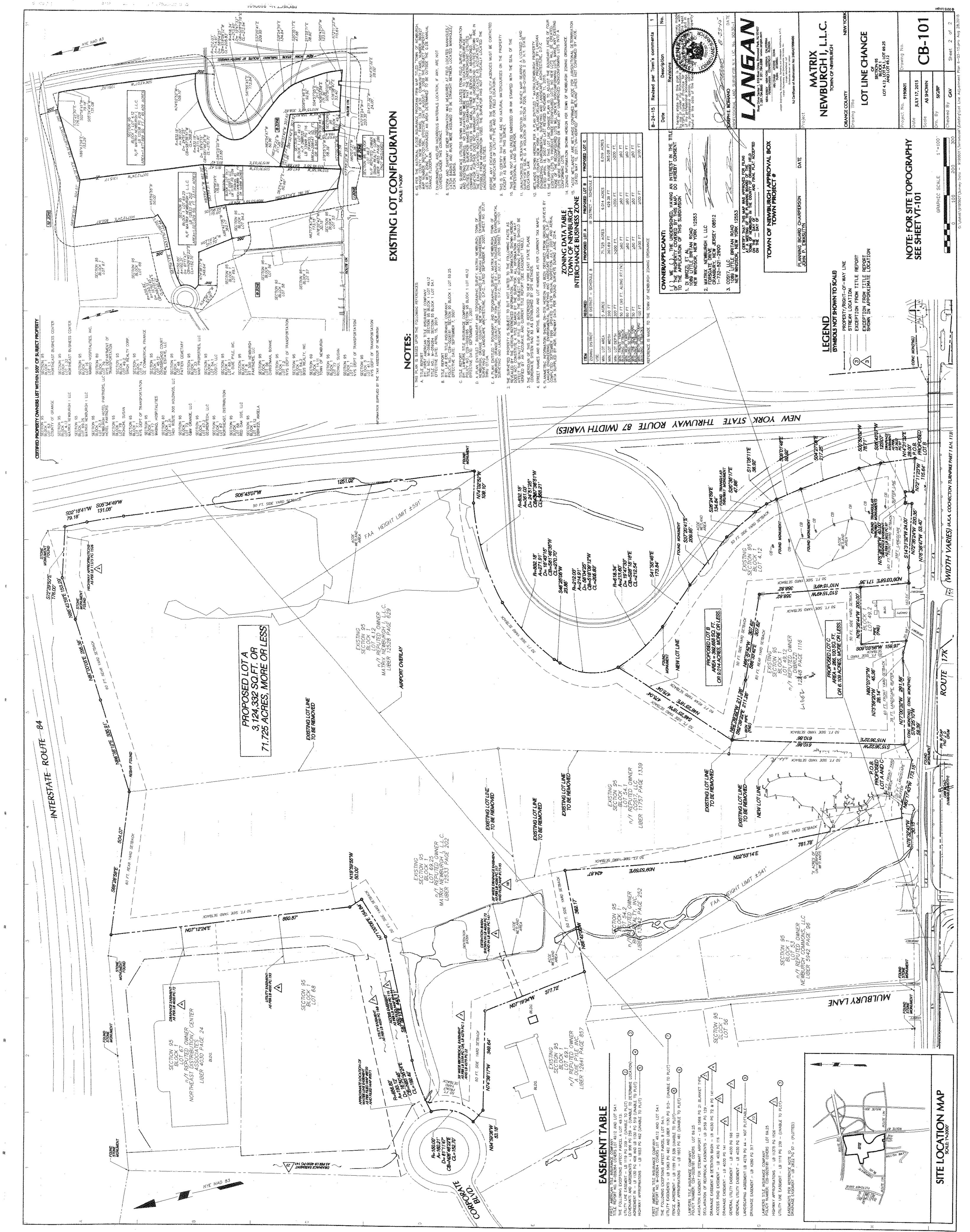
Edmund P. Klimek	dho	And the worugh, Orange Count of Newburgh, Or	KSS ARCHITECTS Frinceston Philadesphile Princeston Philadesphile 337 Witcherspoon Strees Princeston NJ 08542 Frinceston NJ 08542 5 500 (1600) Www.fssendence Malt West Suite 944 Philadesphile, PA 19106 12 15, 320, 3000 Www.fssendhitects.com Www.fssendhitects.com Vww.fssendhitects.com Combury, NJ 08512 30, 521, 2900 Cranbury, NJ 08512 732, 521, 2900	619 River Drive, River Drive Camber Etimwood Park, NJ 07407-1336 201.734.6930	Project No.: 2015-22243 Issued: 09/03/15 BUILDING ELEVATIONS
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9/8/2015 5:24:51 PM K-/2016-22243 Matrix Americource Bergen/Graphics/01 Working Drawings/3.0 3D Model/22243_Americource_A Local 5.74





CONTACT:	TEL: (914)
CHARLES	FAX: (914)
UTSCHIC, PE	323-7400 323-7401

<u>CONTACT:</u> JOSEPH E. ROMANO

AX:

JERSEY

0740

<u>CONTACT:</u> EDMUND KLIMEK

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EXCAVATION OR ACT: "CALL BEFORE

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IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 146 FOR ANY PERSON, UNLESS HE IS A UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM ANY WAY.

CONTACT: KENNETH A. GRIFFIN

LANGAN ENGINEERING, E LANDSCAPE ARCHITECTU 707 WESTCHESTER AVEN WHITE PLAINS, NY 1060 CIVIL ENGIN

MATRIX NEWBURGH 1 LLC FORSGATE DRIVE, CN 4000 CRANBURY, NJ 08512 TEL:

APPLICANT

Newburgh, NY 12550 PHONE: (845) 564-4552 FAX: (845) 566-9486	(845) 564-4552 (845) 566-9486 SITE INFORMATION
	N Y ROUTE 17K.
ADDRESS:	
ADDRESS: SECTION: BLOCK:	TOWN OF NEWBURGH, NY 10576 95 1
Z SS	TOWN OF NEWBURGH, NY 10576 95 1 TBD (PREVIOUSLY LOTS 4.12, 54.1, 69.25, AND 49.12)

S C

ORANGE COUNTY HEALTH DEPARTMENT 124 Main Street Goshen, NY 10924 PHONE: (845) 291-2331

NTY SOIL & WATER N DISTRICT •, Suite 103 9940 1873/3811

CABLE Time Warner Cable 109-15 14th Avenue College Point, NY 11336 PHONE: (845) 692-5339

TOWN CLERX Andrew J. Zarutskie 1496 Route 300 Newburgh, NY 12550 PHONE: (845) 564-4554 FAX: (845) 564-8589

TELEPHONE Verizon 449 Broadway, 4th Fl Kingston, NY 12401 PHONE: (845) 340-8036

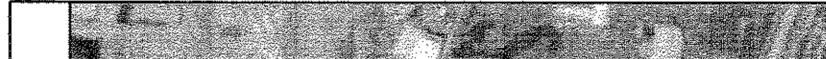
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TOWN ENGINEER James W. Osborne 1496 Route 300 Newburgh, NY 12550 PHONE: (845) 564-7814 FAX: (845) 566-1432

PLANNING BOARD CHAIRMAN John Ewasutyn 308 Gardentown Road Newburgh, NY 12550 PHONE: (843) 364-7804 FAX: (845) 566-7802 LIST OF CONTACTS GAS AND ELECTRIC Central Hudson Gas & Elec 610 Little Britain Road Newburgh, NY 12550 Mark Sclafani PHONE: (845) 563-4538 9

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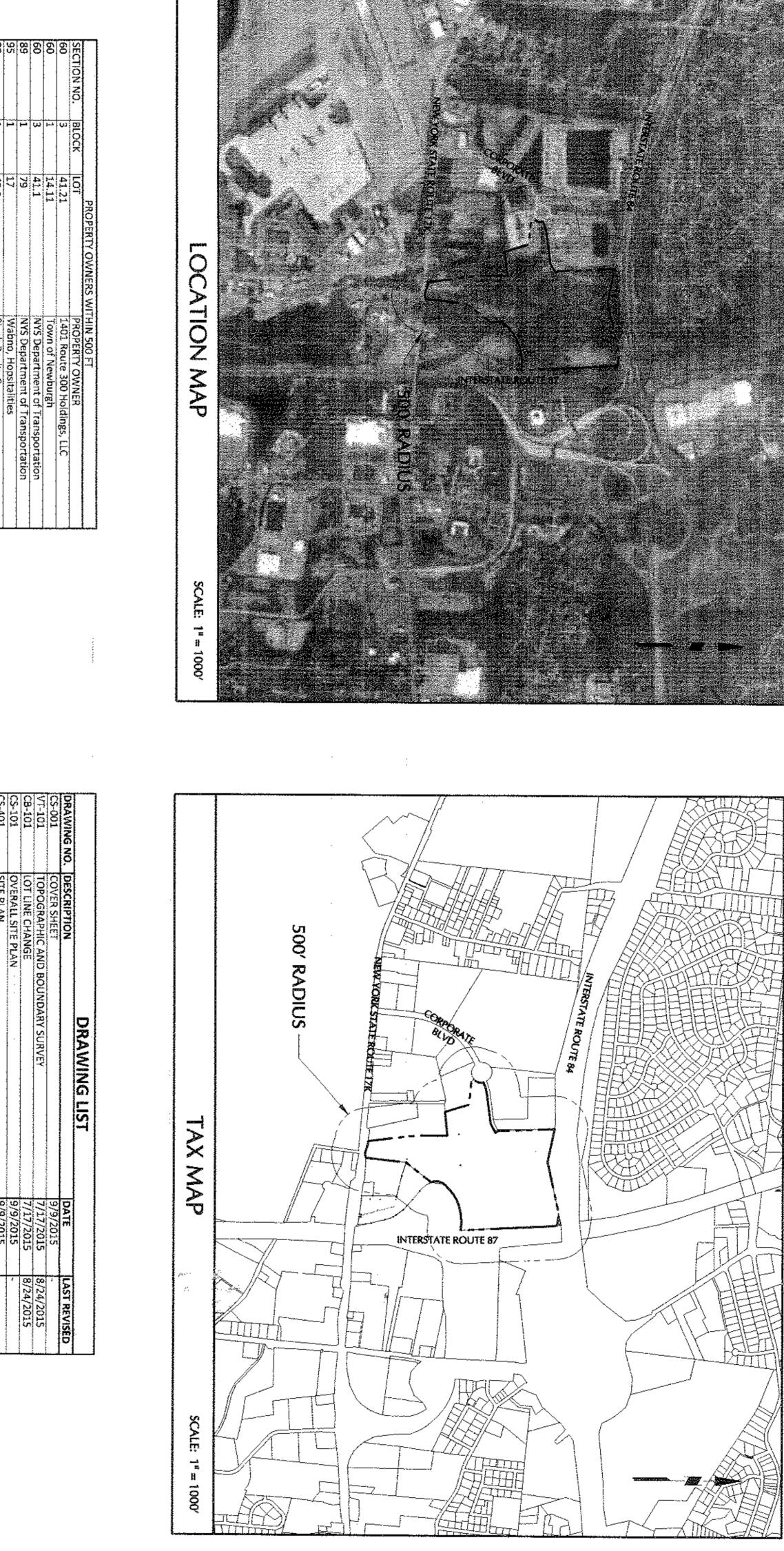
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ENVIRONMEN TURE, D.P.C. د, SUITE 3102 304

SURVEYOR

ANGAN ENGINEERING, E ANDSCAPE ARCHITECTU IVER DRIVE CENTER 1 IVER DRIVE CENTER 1 INWOOD PARK, NEW J EL: (201) 794-6900 AX: (201) 794-0366 AGINEERING, ENVIRONMENT E ARCHITECTURE, D.P.C. E CENTER 1 DRIVE

KSS ARCHITECTS 337 WITHERSPOON STREET PRINCETON, NJ 08542 TEL: (609) 921-1131 FAX: (609) 921-9414

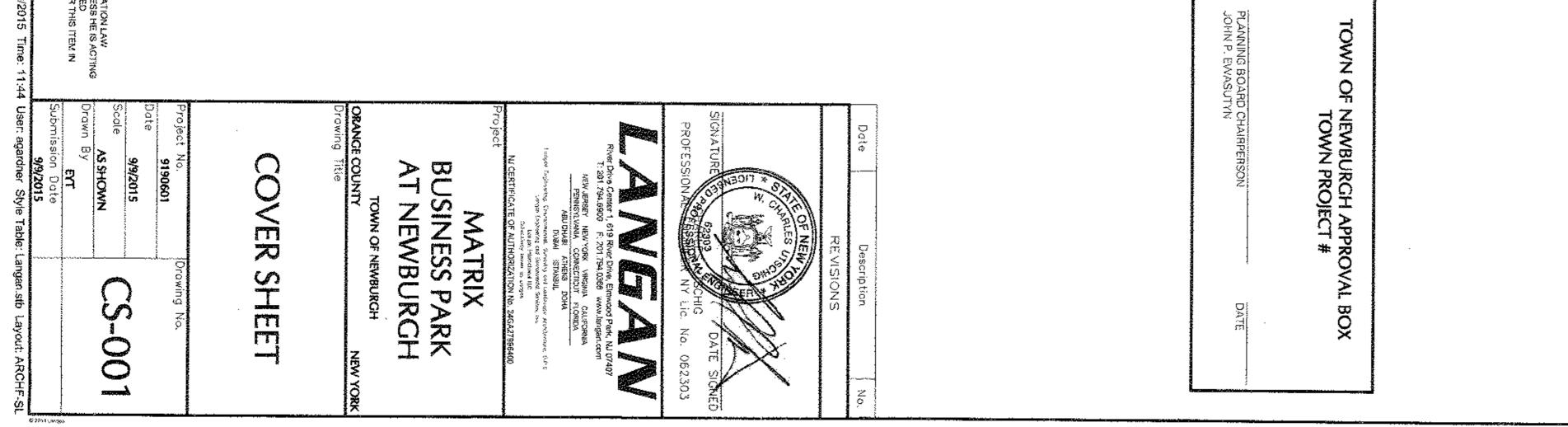
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ARCHITECT

	DRAWING LIST		
, Ņ	DESCRIPTION	DATE	LAST REVISED
	COVER SHEET	9/9/2015	
	TOPOGRAPHIC AND BOUNDARY SURVEY	7/17/2015	8/24/2015
*****	LOT LINE CHANGE	7/17/2015	$\frac{124}{24}$
	OVERALL SITE PLAN	9/9/2015	*
	SITE PLAN	9/9/2015	
	SITE PLAN	9/9/2015	
	OVERALL GRADING AND DRAINAGE PLAN	9/9/2015	
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	GRADING AND DRAINAGE PLAN	9/9/2015	T
	ROADWAY PROFILE AND TYPICAL SECTION	9/9/2015	*
	CIVIL ENLARGEMENT PLAN	9/9/2015	**************************************
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	LANDSCAPE SCHEDULE, NOTES, AND DETAILS	2/2/2015	
	OVERALL LIGHTING PLAN	9/9/2015	ŀ
	LIGHTING PLAN	9/9/2015	
	LIGHTING PLAN	9/9/2015	
	LIGHTING SCHEDULE, NOTES, AND DETAILS	9/9/2015	
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PLANNIN JOHN P



	PROPERTY LINE		
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	RETAINING WALL CHARN LINK FENCE GUIDE RAN STORMWATER MANAGEMENT FEATURE	 AUDE, WELLANDS ARE WELLANDS CUMPRANES MAY 10, 2011, BASED ON PLAN ENTITLED WE ENGNEERING, DATED 04/18/07, LAST REVISED CONFIRMED BY ACCE. A. THESE PLANS REPRESENT THE OVERALL SITE CONSTRUCTION. THE CONTRACTOR SHALL FURNING THE SATISFACTION OF THE ENGINEER AND OM DOCUMENTS. THE CONTRACTOR SHALL BE SOLL CONSTRUCTION: AS SUCH, THESE PLANS DO NINTENDED TO REPRESENT, ALL SPECIFIC SITE CONTRACTOR SHALL BE SOLL CONSTRUCTION: AS SUCH, THESE PLANS DO NINTENDED TO REPRESENT, ALL SPECIFIC SITE CONTRACTOR SHALL BE SOLL SHALL BE SOLL CONTRACTOR SHALL BE SOLL SHALL SHALL BUSCTOR SHALL SHALL SHAL SHALL SHALL SHALL SHALL SHALL SHALL SHAL	D BT ALCE FER SURJULTIONAL DELEVINATION VALUE ETLAND DELINEATION PLAN", AS PREPARED BY LANGAN ED 11/11/1G. "UN'VERIFED" ACOE WETLAND" (INES NOT RNISH, INSTALL, TEST AND COMPLETE ALL WORK TO WNER IN ACCORDANCE WITH THE CONTRACT USELY RESPONSIBLE FOR MEANS AND METHODS OF NOT COMPLETELY REPRESENT, NOR ARE THEY NOT COMPLETELY REPRESENT, NOR ARE THEY CONSTRUCTIONS REQUIRED FOR SITE WORK CONSTRUCTION.
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RAWATER STATES CONTRACT	A Start	ZAVE	
Wreth 22.84N	MERCULAR AND		
SCI .96	ROW ±130	T FRONT YARD 1 35 FT DSCAPE BUFFER	
TOWN OF NEWB section 95, Block 1, Lot TBD (PREVI IB interchar	3URGH ZONING TAI IOUSLY LOTS 4.12, nge Business Zone REQUIRED (PERMITT	BLE 54.1, 69.25, AND 49.12) PROPOSED	Date Description No.
ea dth	Warehouse 40,000 SF 150 FT	3,124,333 SF (71.73 AC) 262 FT	REVISIONS EDENEN
epth Yard Yard (1 Side Yard) Yard (Both Side Yards) Yard	150 FT 50FT/60 FT 30 FT 80 FT 60 FT	> 200 FT 930 FT 159 FT 382 FT 69 FT	SIGNATURE PREMIERS SCHIG
scape Buffer at 17K uilding Coverage unface Coverage	35 FT 40% 80%	35 FT 18,1% 36%	PROFESSION REEKBURNER NY LIG. No. 062303
ing Height** ssory Building Height ssory Building Setback from Principle Building	40 FT 15 FT 10 FT	45 FT < 15 FT 44 FT	River Drive Center 1, 619 River Drive, Elmwood Park, NJ 07407 T: 201.794,6900 F: 201.794.0366 www.langern.com NEW JERSEY NEW YORK VIRGINIA 04.9507814 PENNEYLUASAN CONKECTICTT FLORIDA
ling er of Off-Street Truck Loading Spaces	16 Spaces	82 Spaces	ABU DHABI ATPIENS COHA DUBAI ISTANBUL Darges Ergineering, Statemental Screeping one Lessenge are transmere. D.P.C. Larges retreased U.D. Carges retreased U.D. Carges retreased U.D.
ber of Car Parking Spaces	181 Spaces	soo opaces (Including 62 Land Banked Spaces, See Parking Summary Table)	Project MATRIX
ber of Accessible Parking Spaces	8 Spaces	11 Spaces	BUSINESS PARK AT NEWBURGH
ness Sign Area (freestanding or attached to nce from Sign to Street Line ber of Freestanding Signs of Directional Sign	210 St 15 ☆ 3. St 2. St	498 st 15 ft 2 t 80 st	TOWN OF NEWBURGH ORANGE COUNTY NEW YORK Drawing Title
used for nonresidential purposes with a floor area of the first 40,000 SF must be provided. Is space requirements, parking area reservation should be 3 employees on the premises at any 1 period of	40,000 SF or more, 1 addition to be equivalent to the total g time, with a minimum of two	nal off-street truck loading space for each 40,000 round coverage of the building, with a minimum of 2 spaces.	OVERALL SITE PLAN
 # 121 Employees x (2 Spaces/3 Employees) = 81 S # 150 Employees x (2 Spaces/3 Employees) = 100 (# 150 the IB District dictate the minimum front yard 	paces Spaces setback for a warehouse faci	ility to be 50 feet. Front yards abutting all county	Project No.
ys shall be at least 50 feet in depth. For all new devilor Newburgh west to the Town of Montgomery shall using 1/2 the total length of the street frontage. be required due to proposed grades with slopes greater and the strend district section.	elopments, the first 35 feet of be landscaped. ater than 25% that are not ter ins from Pourts 177 to the hori	The front yards of all properties fronting on Route Taced.	Date 9190601 Date 9/9/2015 Scale 1*= 100 T*= 100
er is requested to provide above ground electric service in utility provider). red tuth face of building facing Route 17K.			Drawn By RAC Submission Date 9/9/2015
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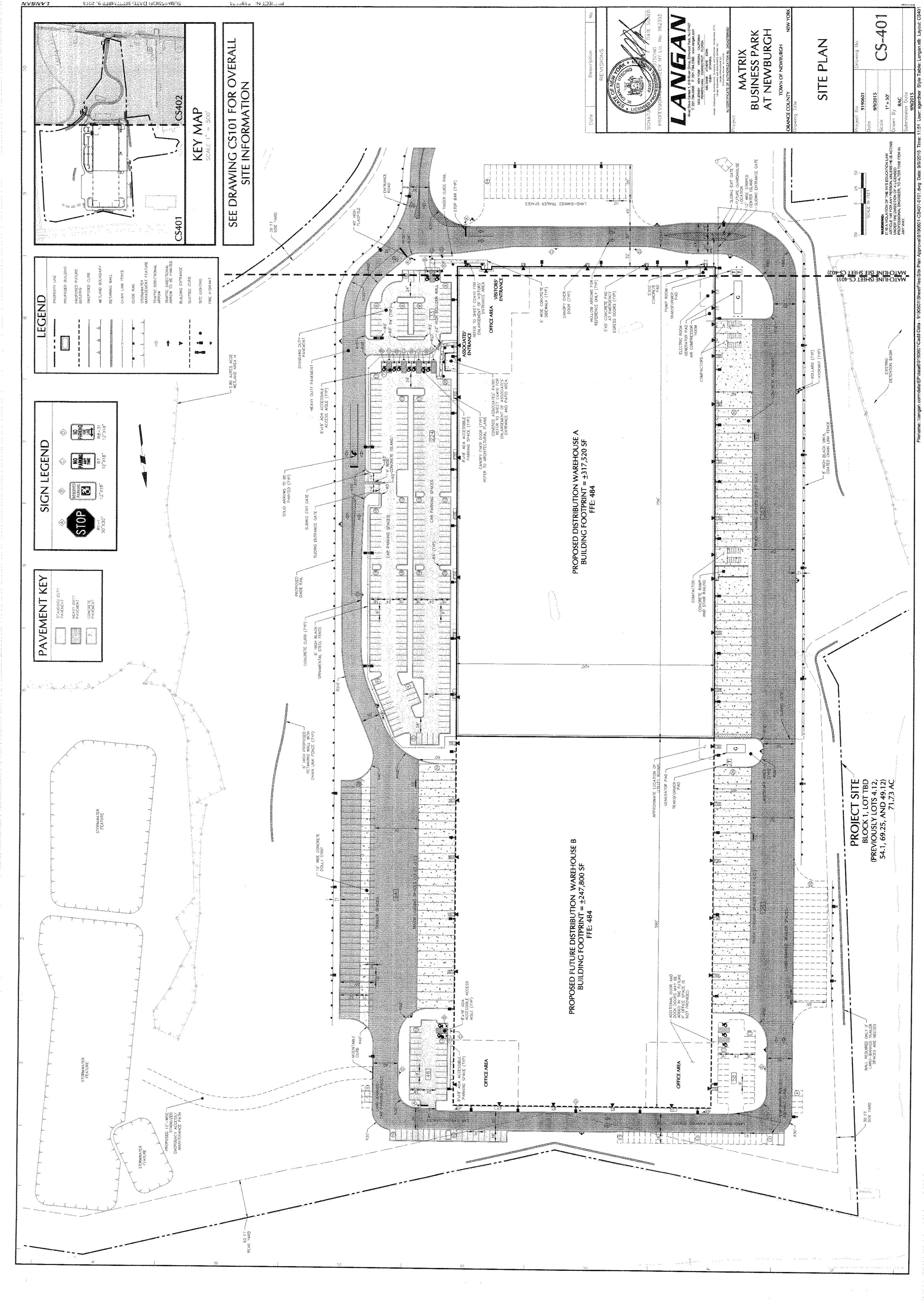
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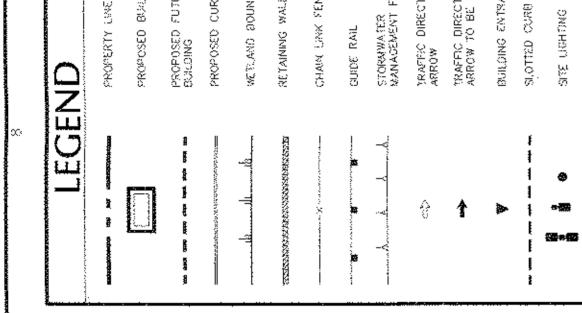


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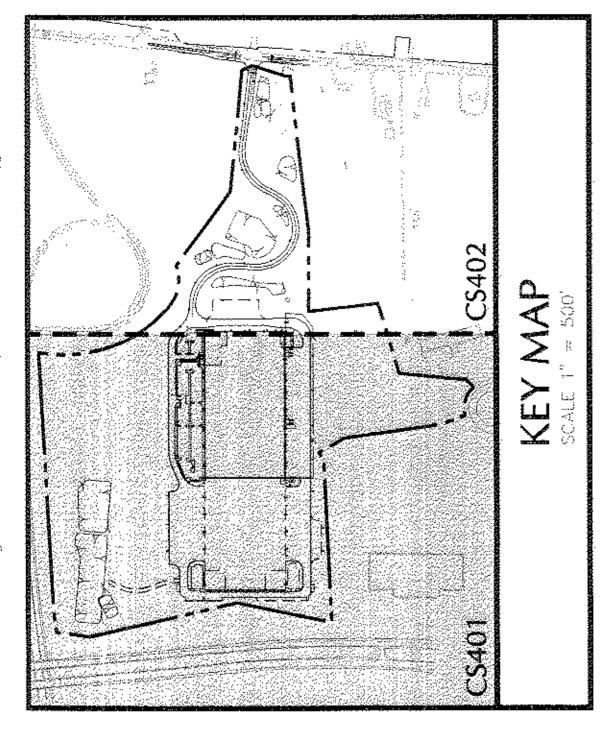




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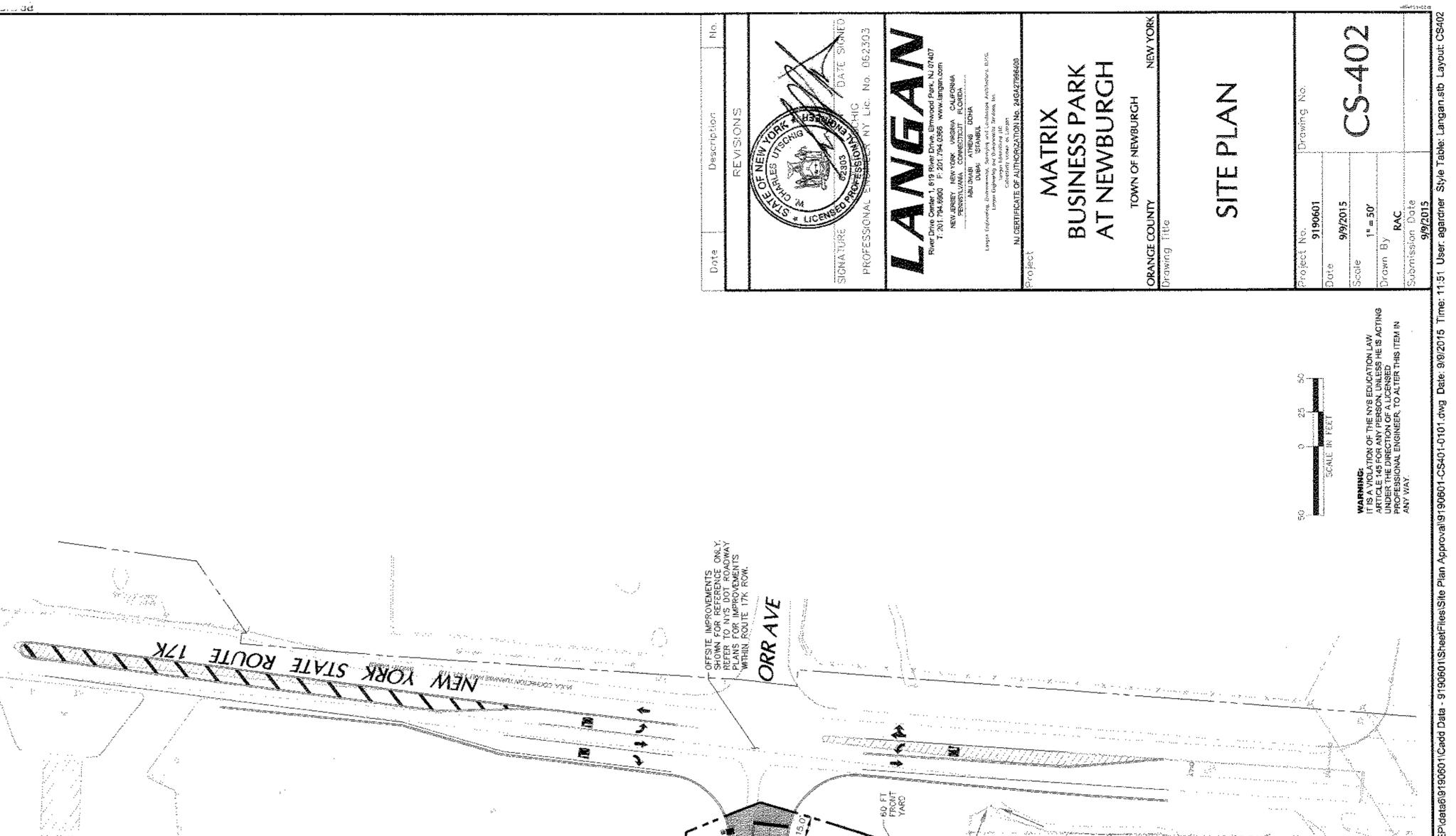
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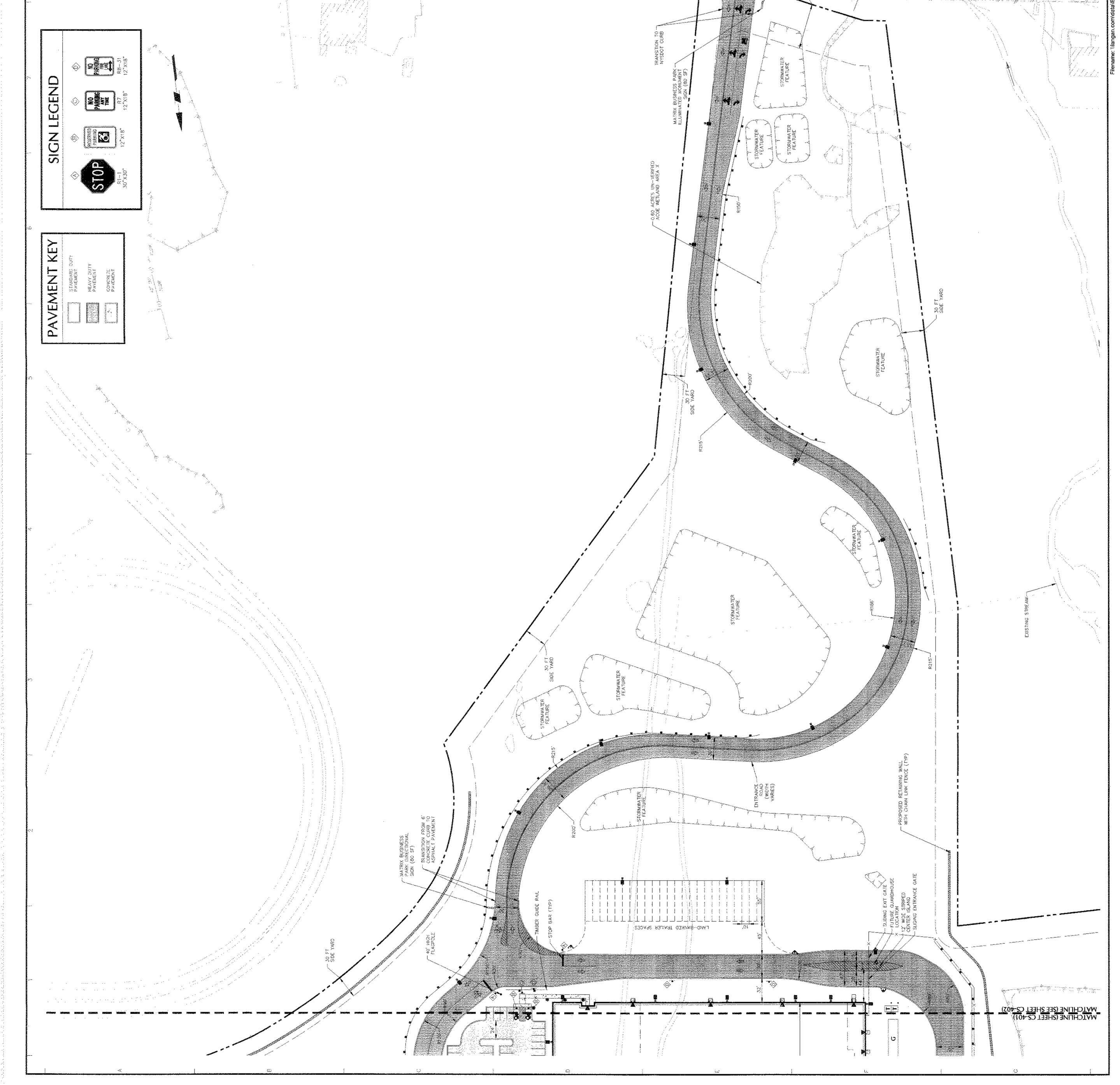


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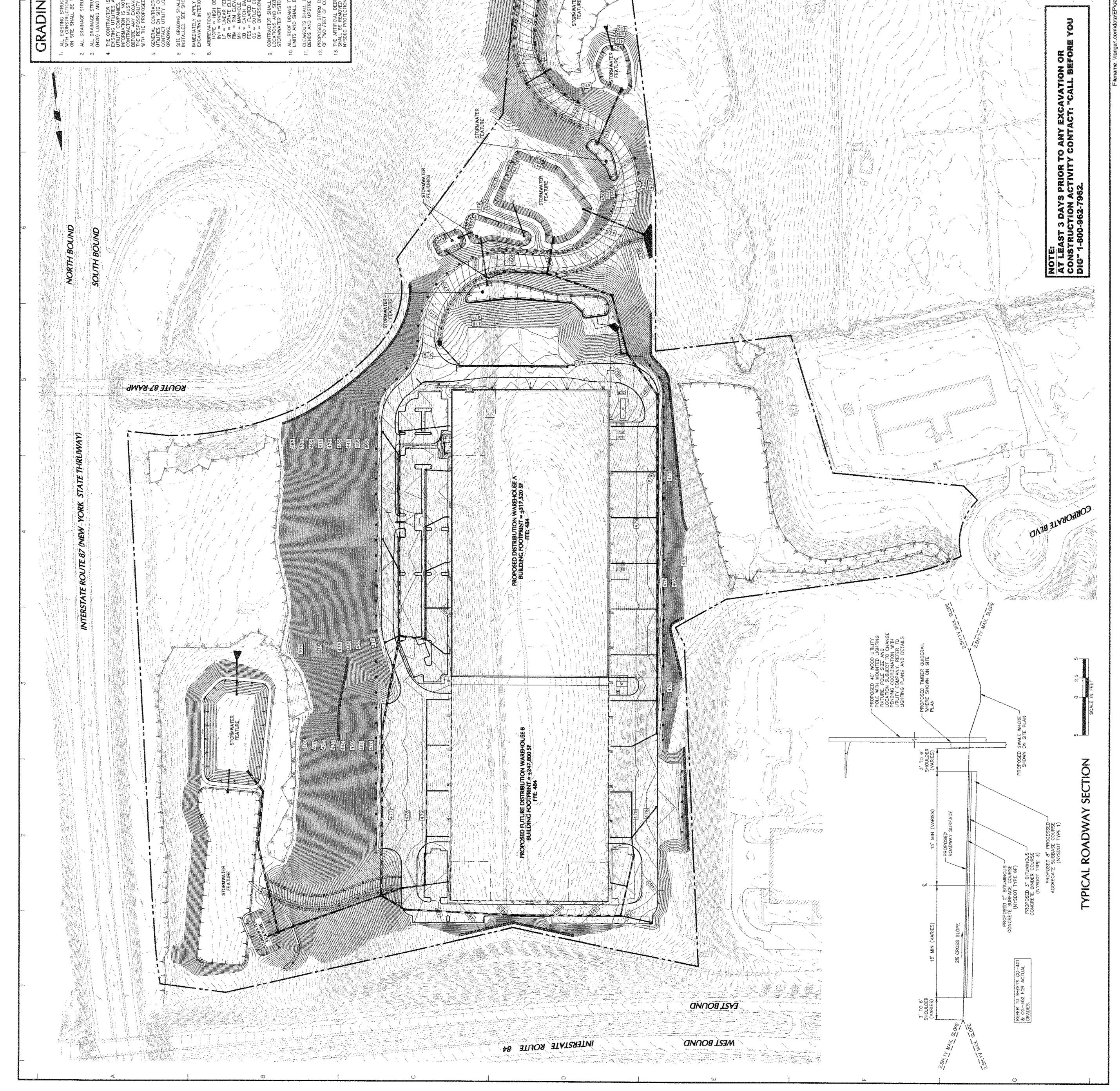
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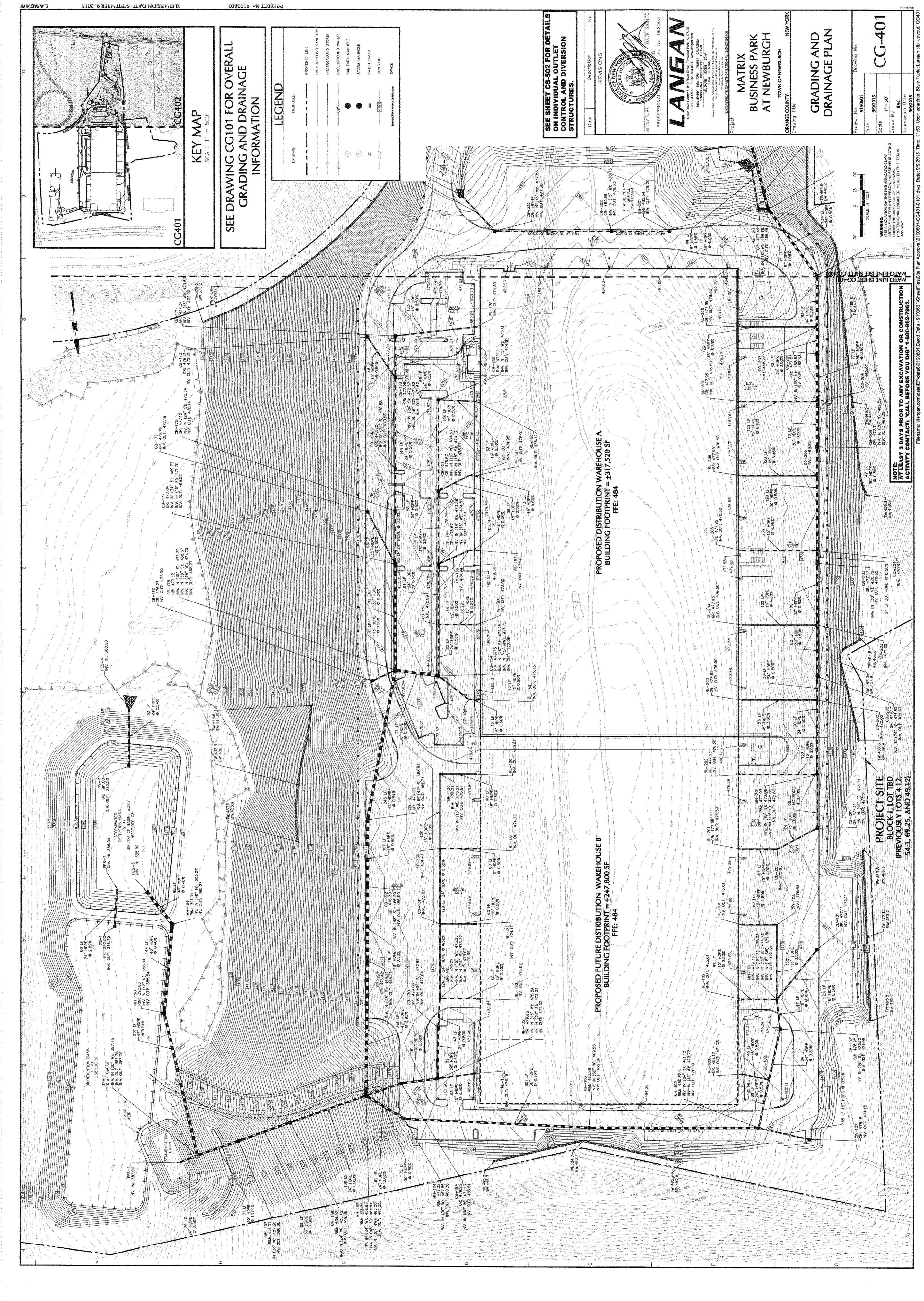


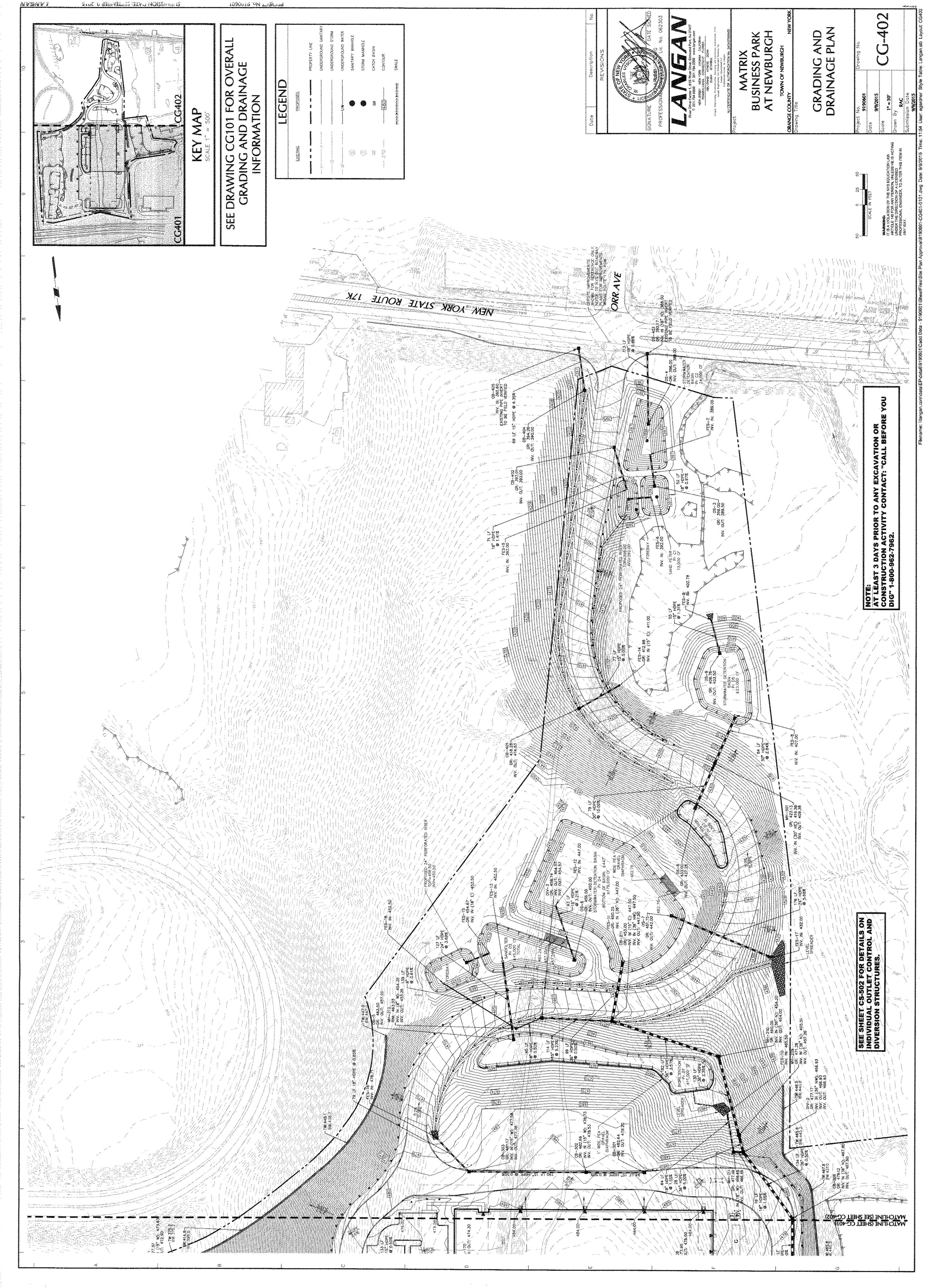


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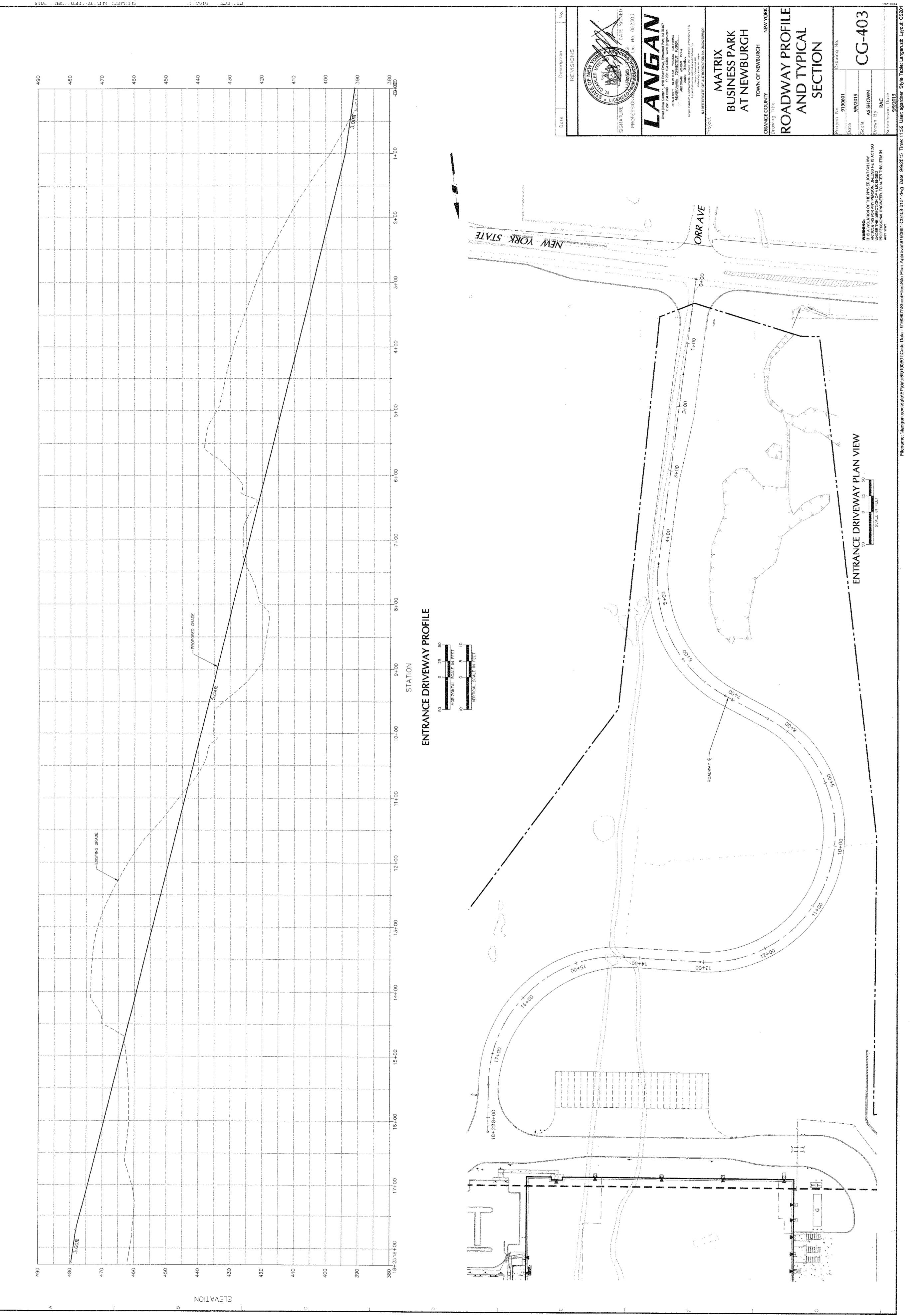
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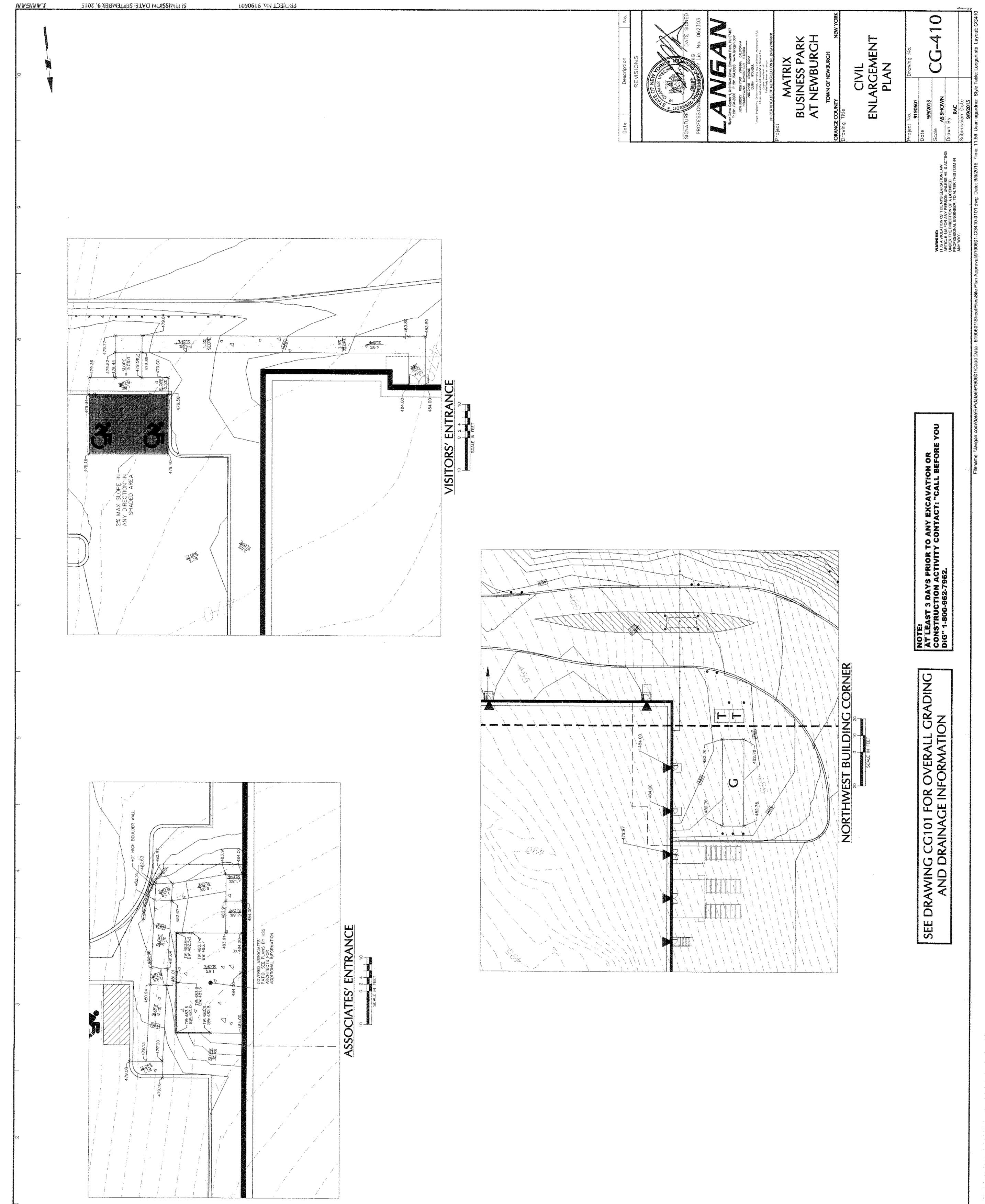


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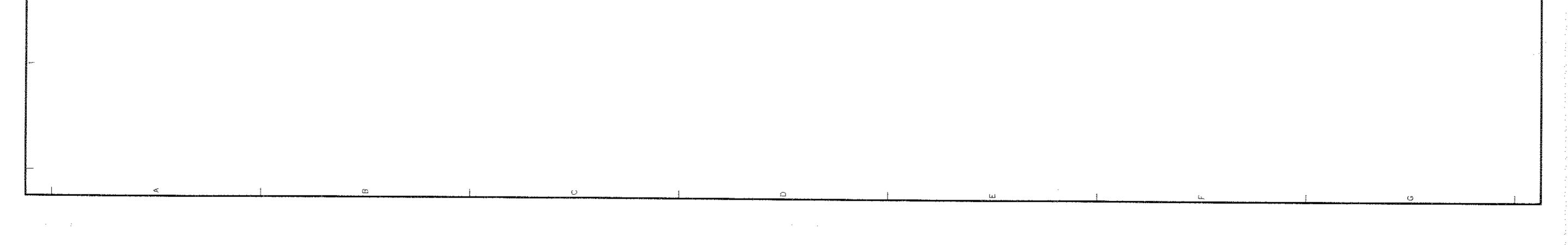


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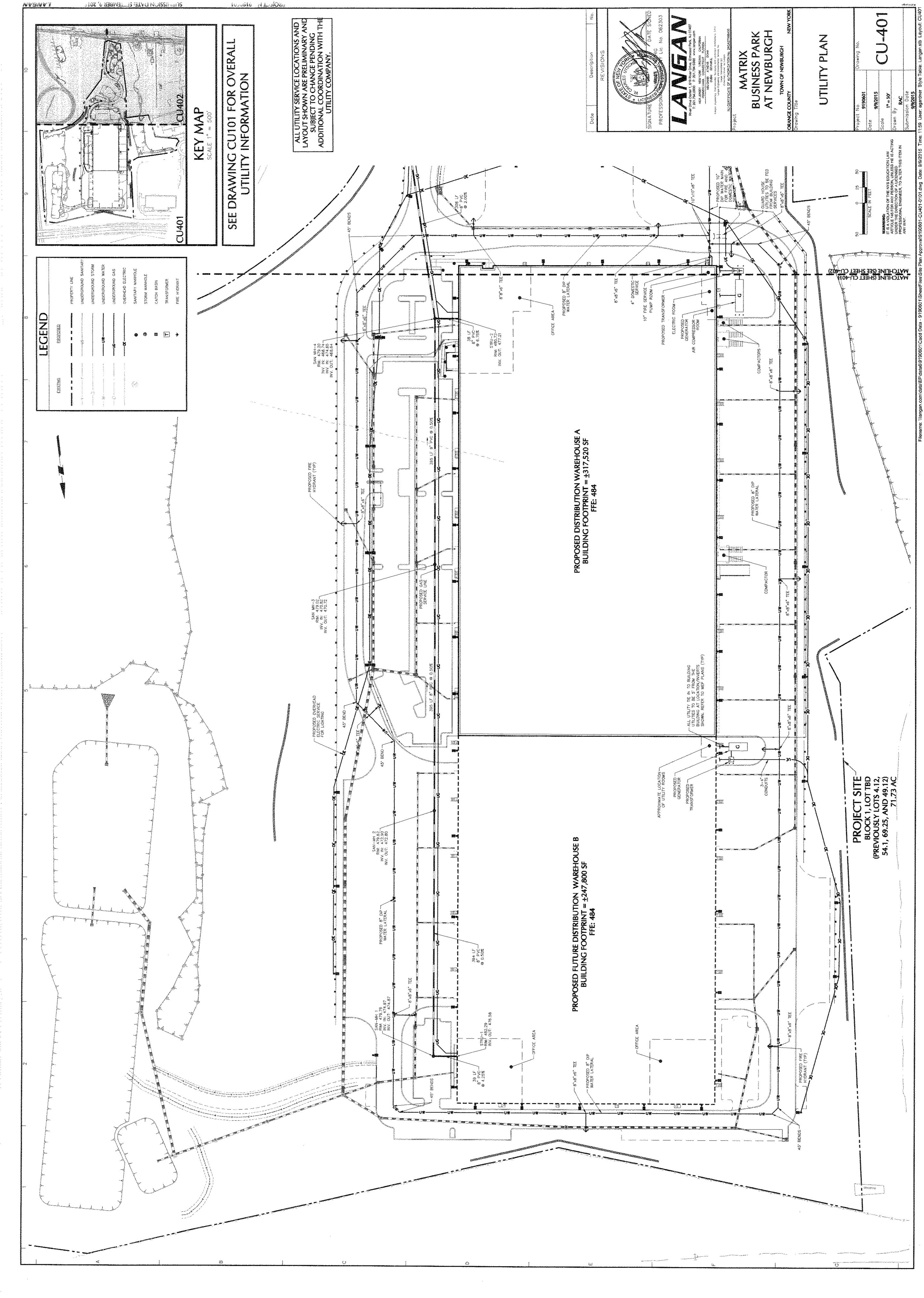
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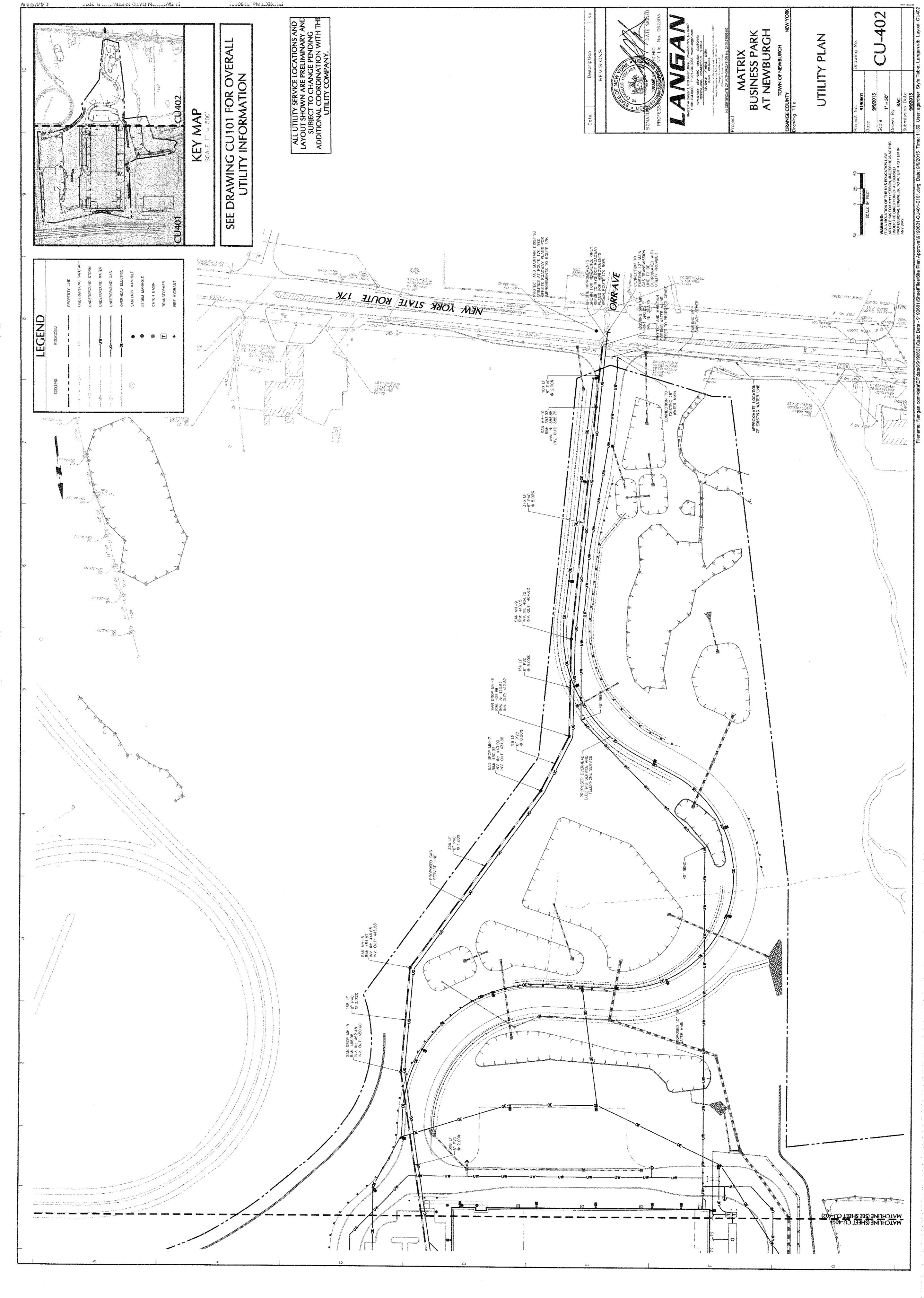


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FILITY NOTES	GENERAL	L NOTES
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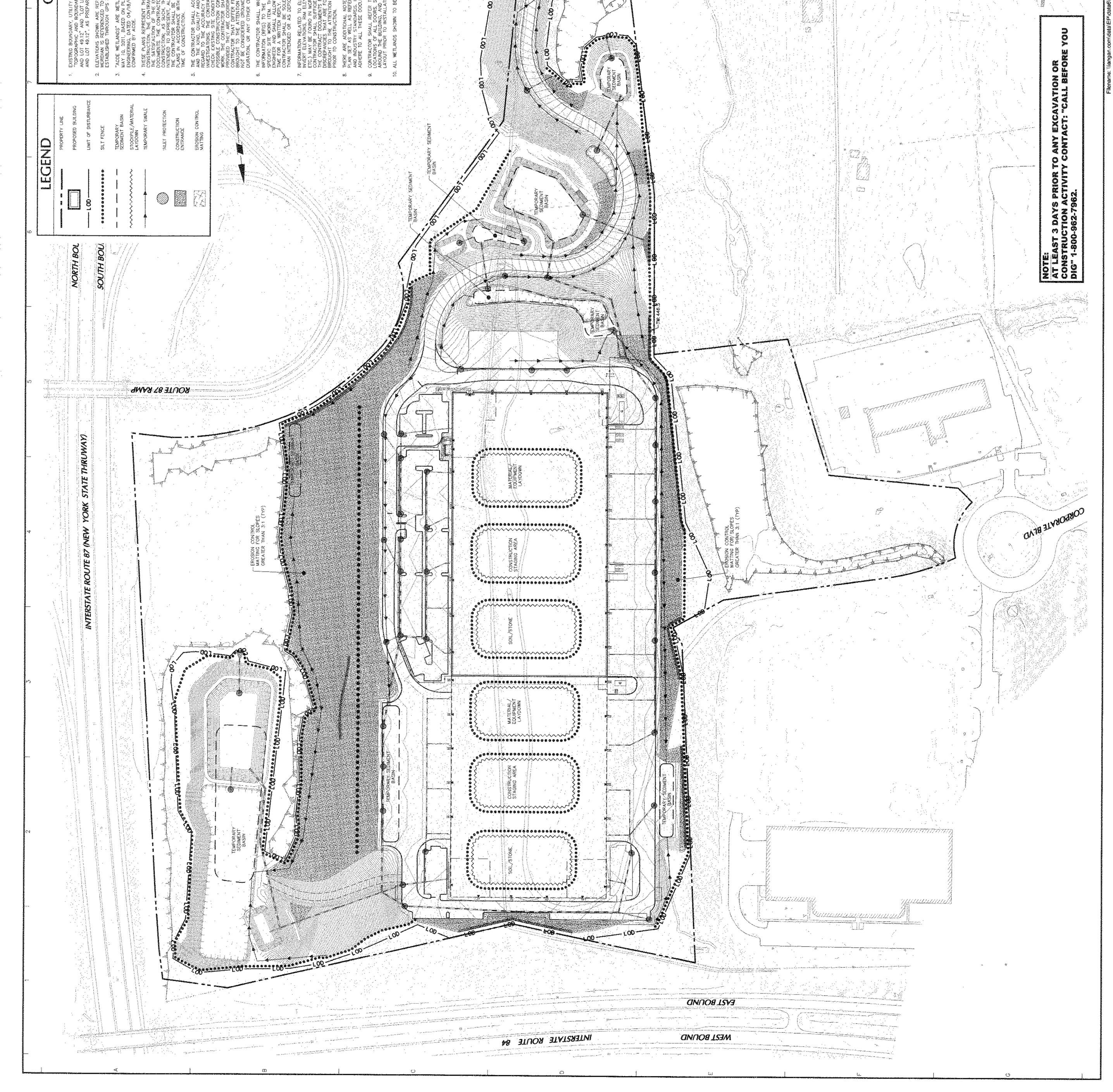
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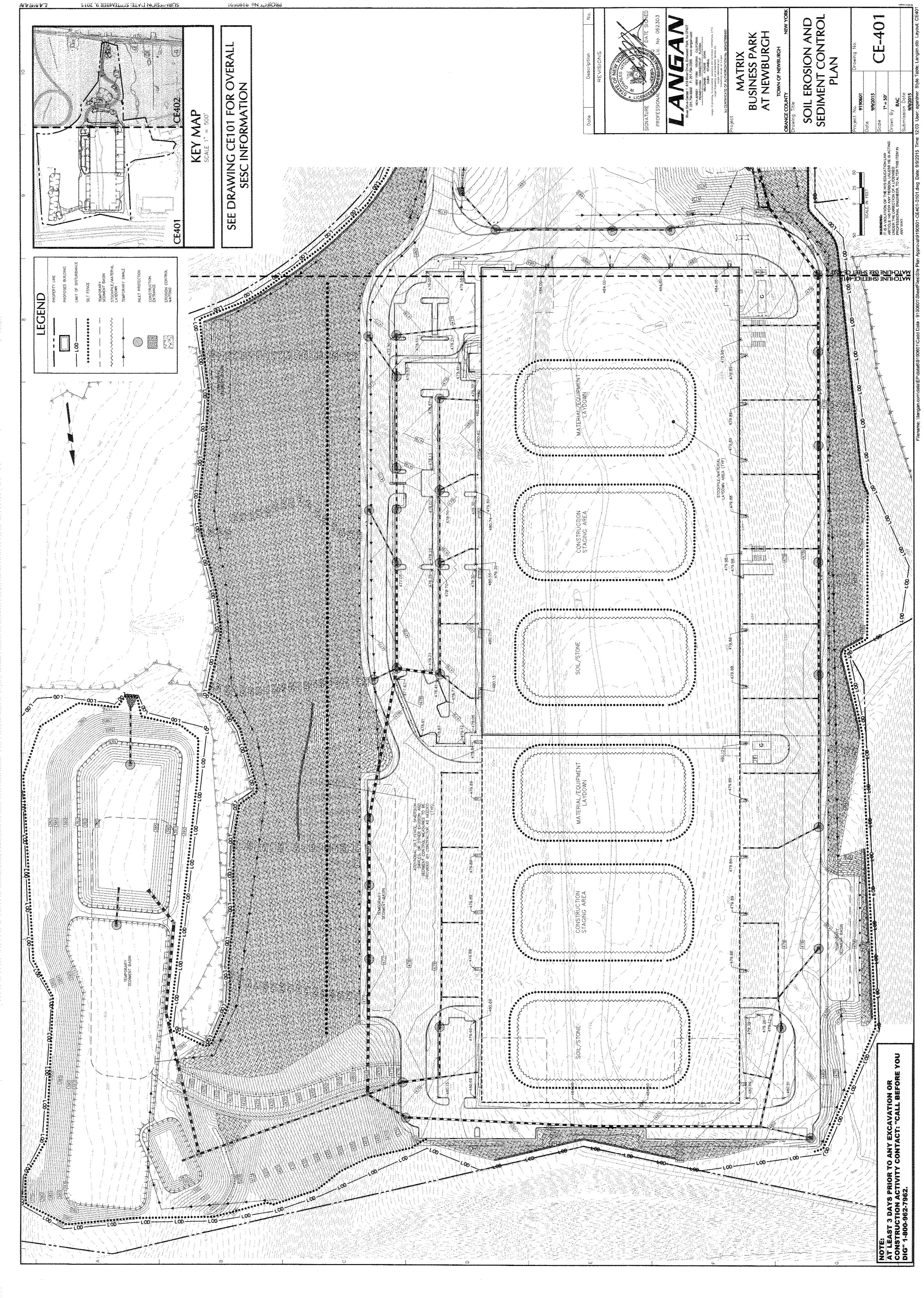


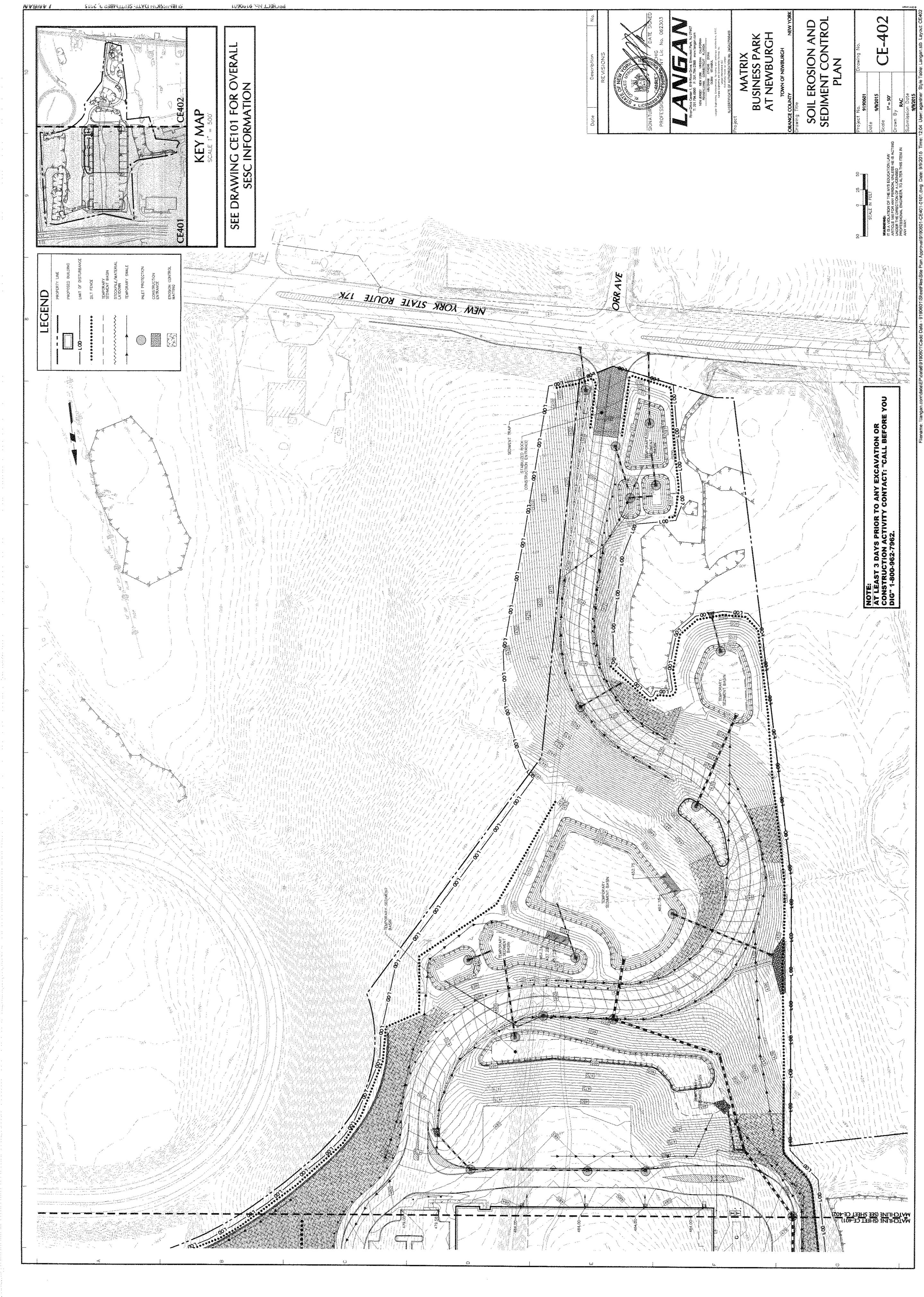


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	S ANI S ANI	WHERE SHOWN ON THE PLAN. STAKE AND LAN. SHOWN PRIOR TO ANY LAND DEVELOPMENT CHES/DIKES AT DOWN SLOPE AREAS FROM	HAT AREA NECESSARY FOR DEVELOPMENT. SOIL SHALL 38 DISTURBED AT CHE "SME DRK SHALL BE STABLIZED AS SPECIFIED	WHICH ARE IN OR NEAR CONSTRUCTION PLACED AROUND THE TREE TRUNK, PLACE TREES, IF POSSIBLE, OR TO MAINTAIN A TREES, ENP POSSIBLE, OR TO MAINTAIN A HIPE FENGNG MUST BE PLACED TO THE LIDE ONE POOF TOWE TO SYTEND TO THE	HIVS OVER ROOT ZONE TO EXTEND TO THE IN FOR THE DURATION OF CONSTRUCTION. 5 TREE PROTECTION FENCING ALONG THE . ALL TREE PROTECTION FENCING TO BE FON OF ALL CONSTRUCTION OPERATIONS. . R POSSIBLE.	ENT BASINS. EAS TO BE EXCAVATED OR FILLED, THEN 0.80 DISTURRED. SEED STOCKPRED TOPSOL. 940 (SEE NOTE 12), AND FRECT A SUIT	ANAGE SYSTEM. INS	MS TO BRING SITE TO DESIRED SUBGRADE. IRAIN INLETS AS THEY ARE INSTALLED, OR IN #2 ABOVE AND MAINTAIN UNTIL ALL I AND ALL PAVEMENTS ARE PAVED WITH A	DETENTION SYSTEMS HAVE BEEN INSTALLED. ENTION SYSTEMS AND BLOCK WEIRS AND D FR.TERS.	«D BURLPINGS. «DISTURBED FOR A PERIOD OF 15 DAYS OR CTION WITHIN 30 DAYS WITH TEMPORARY 3 (S OPTIONAL):	TH. ANNUAL RYECRASS. BLOWN AND CHOPPED HAY BOUND IN E FIBER MULCH, AND WITH AN APPROVED	ALL DISTURBED AREAS SHALL BE SEEDED PER THAN ONE ON THREE (V/H) AND SHALL, CN COMPLETION, BE IMMEDIATELY	VAL GRADING OF AREAS TO BE PAVED. RADE AND SPREAD TOPSOIL ON ALL LAWN DLLOWS (SEE LANDSCAPE PLAN FOR OTHER	SPREAD ON ALL DISJURBED AREAS. F 5-10-10, 50% WATER SOLUBLE	E FOLLOWING MIXTURE, CR OTHER MIXTURE 40% JAMESTOWN CHEWINGS FESCUE, 40% JRKTOWN PERENNIAL, RYEGRASS. CING (NOTE 12 ABOVE). TH 10 LE, 20-10-10 FERTILIZER PER 1000	ITS. IN ALL SEDIMENT TRAPS, BARRERS, AND	LOGGED JP WERT SEDIMENT. I' VEGETATIVE COVER AND PLANTINGS ARE SEED THE DISTURBED AREAS. UPON ENTION SYSTEMS AUST BE CLEANED OF ANTON SYSTEMS AUST BE CLEANED OF	FOLLS FOLLS	O BE EFFECTIVE. IN GENERAL, THESE VISURE STRUCTURAL INTEGRITY, TO DETECT R WHENEVER NEGESSARY. BE INSPECTED WEEKLY AND AFTER EVERY	CKPRE AND STABILIZE IN AN AREA NOT DIMENT OR EROSION COMTROL STRUCTURES) AFTER EVERY RAIN.		INFORMATION	Description No.	REVISIONS	CHILD IN CHI	NAL PERSONNEL IN LIG. NO. 062303	NEAN	Conter 1, 619 River Drive, Elimwood Park, NJ 07407 784,6900 F: 201,794,0366 vvvv.langari.com 4/JERSEY NEWYCRK VIRGINIA CALFORNIA FENNSYLVAVA CONNECTICUT PLONDA ABUDAABI ATHENS DORA ABUDAABI ATHENS DORA	DOBATE OF AUTOPOLIC CONTRACT, CONTRACT, D.P.G. INTERPOLICIES, SUPPORT AND AUTOPOLIC CONTRACT, D.P.G. INTERPOLICIES SUPPORT AND AUTOPOLIC CONTRACT, NE. UNIVERSITE OF AUTOPOLICY, UNIVERSITY UNIVERSITE OF AUTOPOLICY, UNIVERSITY UNIVERSITY OF AUTOPOLICY UNIVERSITY OF AUTOPOLICY UNIVERSITY UNIVERSITY OF AUTOPOLICY UNIVERSITY UNIVERSITY UNIVERSITY UNIVERSITY UN	MATRIX USINESS PARK		OVERALL EROSION AND	52	No. P		015 015
	CONTROL N CONTROL N STRUCTION	1. CONSTRUCT STABILIZED CONSTRUCTION ENTRANCES DELINEATE LIMITS OF DISTURBANCE AS SHOWN ON P 2. INSTALL ALL SOIL EROSION CONTROL MEASURES AS ACTIVITIES. INSTALL SECTIMENT BARRERS/SWALES/DI	ALL PROPOSED GRAZING OPERATIONS. 3. LAND DISTARBANCE SHALL RE LIMITED TO ONLY T NO MORE THAN FIVE (5) ACRES OF UNPROTECTED WITHOUT AYSDEC CONSENT. PREVIOUS EARTHW HEFDEP ADDITIONAL AREA IS EXPORED	4. PROTECT ALL TREES WHICH ARE TO REMAIN AND AREAS AS DIRECTED IN THE FIELD WITH PLANKING SNOW FENCING AT THE DRIP LINE SURROUNDING MINIMUM DIAMETER OF TO FEET AND WE TREES.	HAN THE DRIP LINE, PLACE & WCHES OF WOOD C DRIP LINE. MAINTAIN THIS WOOD CHIP PROTECTIO WOODED AREAS TO BE PROTECTED BY INSTALLIN DISTURBANCE LIMIT LINE PRIOR TO CONSTRUCTION MAINTAINED IN GOOD CONDITION UNTIL, COMPLET EXISTING VEGETATION IS TO BE MAINTAINED WHEREW	 INSTALL TEMPORARY SWALES AND TEMPORARY SEDIM CLEAR EXISTING TREES AND VEGETATION FROM AF STRIP AND STOCKPILE TOPSOIL FROM ALL AREAS TO WITH TEMPORARY RYEORASS COVER AS SPECIFIED 	FENCE AROUND THE STOCKPILE. 7. INTIAL CONSTRUCTION OF RETAINING WALLS A UTICITIES/SLEEVES UNDER THE WALLS PRIOR TO WAL	B. PERFORM MECESSARY EXCAVATION OR FILL OPERATIC MISTALL SEDIMENT BARRIERS AROUND ALL STORM I MODIFY SEDIMENT CONTROL, MEASURES INSTALLED DISTURBED AREAS ARE STABILIZED WITH VEGETATION BASE COURSE.	IQ. REMOVE SEDIMENT BASINS DNCE THE STORMWATER DOVERT CVERLAND FLOW AND PIPE FLOW TO DET UNLETS TO PREVENT FLOW INTO WATER QUALITY SAN	11. WITTATE INSTALLATION OF UTILITIES, FOUNDATIONS AI 12. SEED ALL DISTURBED AREAS WHICH WILL REMAIN UN WORE AND WHICH WILL NOT BE UNDER CONSTRU- RYEGRASS COVER, AS FOLLOWS (METHOD OF SEEDIN	A. LOOSEN SEEDBED BY DISCRIG TO A 4" DEP B. SEED WITH 5 LB. PER ACRE PERKINKAL OR C. MULCH WITH 100-200 BALES PER ACRE OF PLACE WITH 2000 LB.PER ACRE CELLULOS "ACKERED RIMORD	ACMPLETED, I. IF CONSTRUCTION IS SUSPENDED OR COMPLETED, AND MULCHED IMMEDIATELY. ALL SLOPES STEI PERIMETER TRENCHES AND TRAP EMBANKMENTS STABILIZED WITH SLOPE STABILIZATION MATTING.	14. INSTALL CURBS, CURBED (SLANDS AND COMPLETE FIL 15. AFTER COMPLETION OF SITE CONSTRUCTION, FINE G AREAS AND SEED WITH PERMANENT LAWR NIX AS F PLANTING INFORMATION).	PLANJING INFORMATION): A. A MINIMUM OF 6° OF TOPSOL SHOULD BE B. LIME TOPSOL TO PH 6.0. C. FERTILIZE WITH 20 LB. PER 1000 SQ. FT. C	MILKUGEN FEMILIZEN. D. SEED WITH 5 LB, PER 1000 SQ. FT. OF T APPROVED BY THE LANDSCAPE ARCHITECT BARON KENTUCKY BLUEGRASS AND 20% Y E. MULCH AS DESCRIBED FOR TEMPORARY SEE F. FERTILIZE 4 WEEKS AFTER GERMINATION WI	SQ, FT. 6. COMPLETRON OF ALL, SITE AND OFF-SITE (MPROVEME) 7. DURING THE PROGRESS OF CONSTRUCTION, MAINTA	FUTERS AS NECESSARY TO PREVENT THEIR BEING CU B. AFTER PAVEMENTS ARE INSTALLED AND PERMANEN ESTABUSHED, REMOVE SEDIMENT BARRERS AND PERMANENT STABULZATION THE STORMWATER DET SEDIMENT STUEN THE MADEN DET	shen ine weiks and inee seeded and planted a:	20. STRUCTURAL MEASURES MUST BE MAINTAINED T MEASURES MUST BE PERIODICALLY INSPECTED TO B VANDALISM DAMAGE, AND FOR CLEANING AND REPAIR 21. DURING CONSTRUCTION, ALL STRUCTURES SHOULD	RAIN. REMOVE ACCUMULATED SEDIMENT AND STO SUBJECT TO FURTHER EROSION. 22. AFTER CONSTRUCTION IS COMPLETED, PERMANENT SE SHOULD BE INSPECTED AT LEAST SEMIANUALLY AND	DRAWINGS CE401 / DETAILED SOIL ERC	DIMENT CONTROL	Date		* LIC	SIGNATURE		Rivar Drive T: 201 NE	TAL LIMIT OF RBANCE: 54.6 AC.			Drawing Title	SEDI	0 50 100 Project Na. Date 9190	CN OF THE NYS EDUCATION LAW OR ANY PERSON, UNLESS HE IS ACTING RECTION OF A LICENSED AL ENGINEER, TO ALTER THIS ITEM IN RECTION OF A LICENSED	
CENEDAL NOTES	- I 2. Zu	EFERENCED TO NAVD 88 AS ESTABLISHED THROUGH CPS METHODS. THE TO NEW YORK EAST STATE PLANE COORDINATE SYSTEM NAD 83 AS S METHODS. TLANDS CONFIRMED BY ACCE PER JURISCICTIONAL DETERMINATION DATED	PLAN ENTITLED "WETLAND DELINEATION PLAN", AS PREPARED BY LANGAN 3/07, LAST REVISED 11/11/10, "UN'VERIFIED" ACOE WETLAND" LINES NOT THE OVERALL SITE WORK IMPROVEMENTS REQUIRED FOR PROJECT	KALTOR SHALL FURWISH, INSTALL, TEST AND COMPLETE ALL WORK TO ENGINEER AND OWNER IN ACCORDANCE WITH THE CONTRACT FTOR SHALL BE SCIELY RESPONSIBLE FOR MEANS AND METHODS OF THESE PLANS DO NOT COMPLETELY REPRESENT, WOR ARE THEY ALL SPECIFIC INSTRUCTIONS REQUIRED FOR SYTE WORK CONSTRUCTION. E RESPONSIBLE TO CONSTRUCT ALL IMPROVEMENTS DEPICTED ON THESE	TH ALL APPLICABLE RULES, REGULATIONS AND LAWS IN EFFECT AT THE ACCEPT THE SITE AS IS. THE CONTRACTOR SHALL ASSESS CONDITIONS, ND QUANTITY OF WORK REQUIRED. THE OWNER MAKES NO GUARANTEE IN A OF ANY AVAILABLE INFORMATION WHICH WAS OBTAINED DURING	RACTOR SHALL MATCHING WITCH WAS GUIDENED DO DE TAN RACTOR SHALL MARE A THOROUGH STE INSPECTION IN ORDER TO FIELD STIENS, CORRELATE CONDITIONS WITH THE DRAWNOS AND RESOLVE ANY CONFLICTS WITH THE OWNER AND ENGINEER PRIOR TO COMMENCEMENT OF HALL MAKE ADDITIONAL TOPOGRAPHIC SURVEYS HE DEEMS NECESSARY, DINATED WITH THE OWNER, ANY CONDITIONS DETERMINED BY THE STOLAT THE ANE DAVANTON CONDITIONS DETERMINED BY THE FROM THE ANE DAVATION SURVEYS HE DEEMS NECESSARY,	THOW THE ANTONIA TOWART ON THE UNAMINATION AND NOT THE ANTONIA TOWART OF WORK SHALL ON OF THE OWNER AND ENGINEER PROOF TO THE START OF WORK SHALL NOS FOR ADDITIONAL PAYMENT OR CHANGES TO THE CONTRACT CLAIMS ACAMST THE OWNER OR OWNER'S ENGINEER.	E OWNER AND ENGINEER PRIOR TO THE CONSTRUCTION OF ANY THE (RFT) SHALL BF IN A FORM ACCEPTABLE TO OWNER AND IN FOR A MINIMUM OF TWO WORK DAYS OR ADDITIONAL REASONABLE Y. RFTS SHALL BE NUMBERED CONSECUTIVELY BY DATE SUBMETTED. THE SLETY RESPONSELE FOR SITE WORK ITEMS CONSTRUCTED OFFERENTLY	PLIED UN THE PLANS. ELEVATIONS AND PROPOSED UTILITES (SUCH AS ROADWAY GRADES, LEVATIONS, GRATE ELEVATIONS, BUILDING FINISHED FLOOR ELEVATIONS, CRE THAN ONE LOCATION IN THE CONTRACT DOCUMENTS. THE ORE THAN ONE LOCATION IN THE CONTRACT DOCUMENTS. THE AND AND ALL DAVID	JUNIAT ACTIENT ALL FLANS, FRURES AND ANT UTHER INFORMATION IN SFOR CONSISTENCY PRIOR TO CONSTRUCTION, ANY INCONSISTENCIES OR FOUND BY THE CONTRACTOR OR HIS ASSIGNS SHALL BE IMMEDIATELY IN OF THE OWNER AND ENGINEER IN WRITING, IN THE FORMAT OF AN RF	TES, SPECERCATIONS AND REQUIREMENTS CONTAINED THROUGHOUT THE FERENCES TO SPECIFICATIONS FROM APPLICABLE GOVERNING AUTHORITES - IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN, REVIEW AND CUMENTS.	TO ARCHITTCTURAL PLANS AND SPECIFICATIONS FOR ACTUAL STARS, RAMPS, CANOPIES, SIDEWALKS, AND ARCHITECTURAL ELEMENTS D SHALL COORDINATE INSTALLATION OF THESE ELEMENTS WITH THE SITE ATION. BE PROTECTED AND MAINTAINED, NO DISTURBANCE IS PERMITTED.					87 	PRRAVE DURAVE			Ш З	S		MCDONALD ST				MULBURYLANE						SCA SCA	WARNING: WARNING: IT IS A VIOLATI ARTICLE 145 F UNDER THE D PROFESSION	

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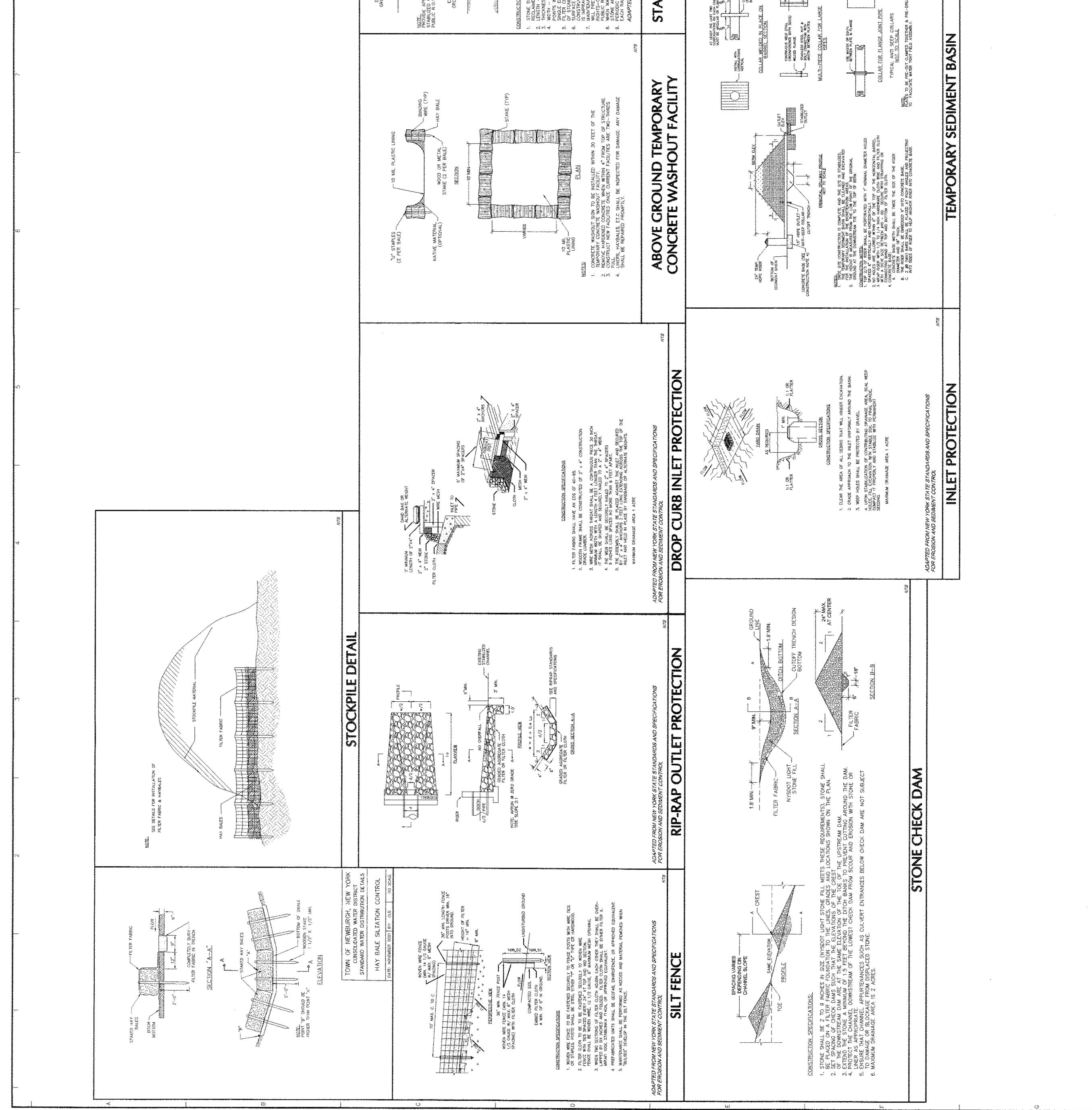




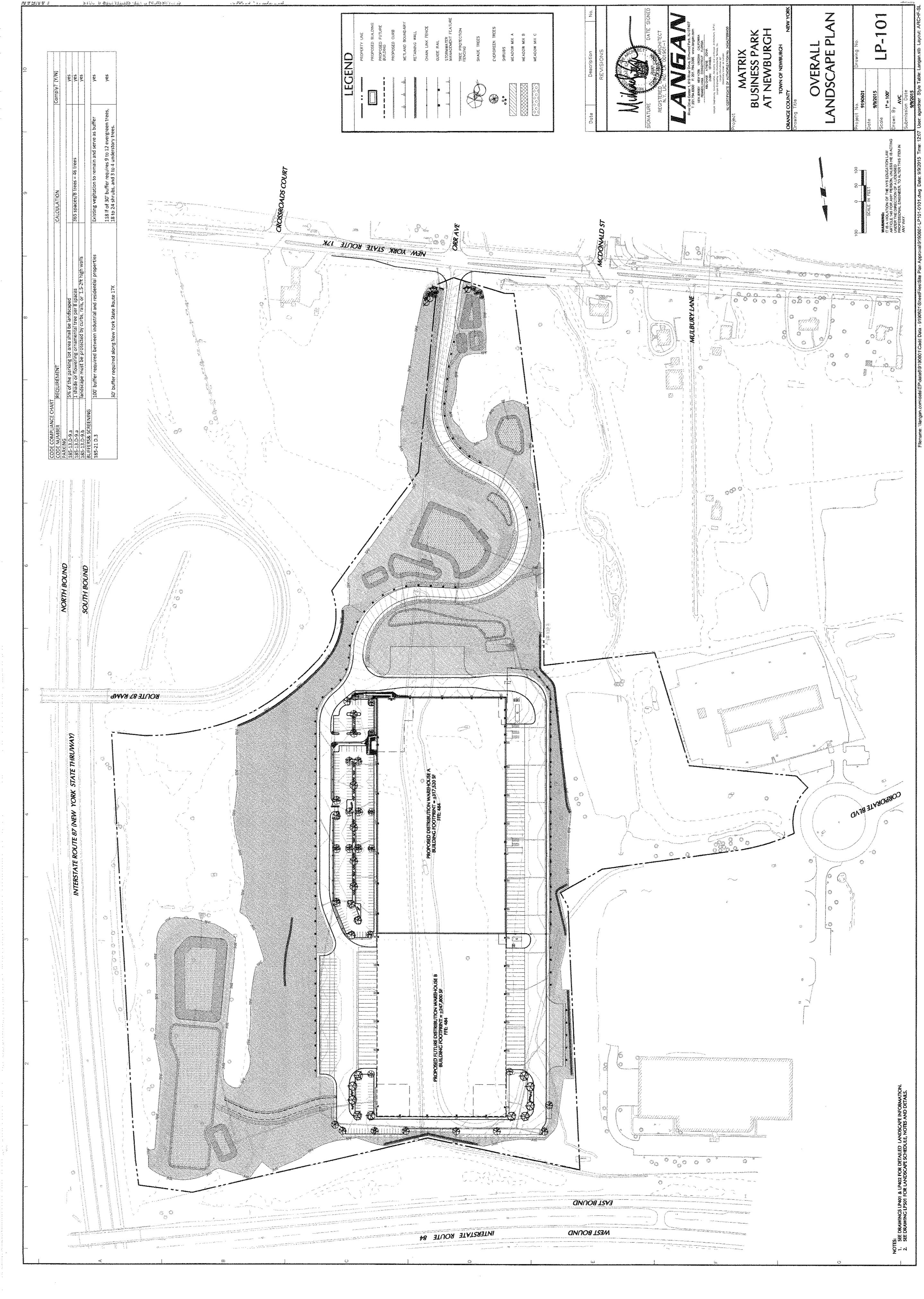
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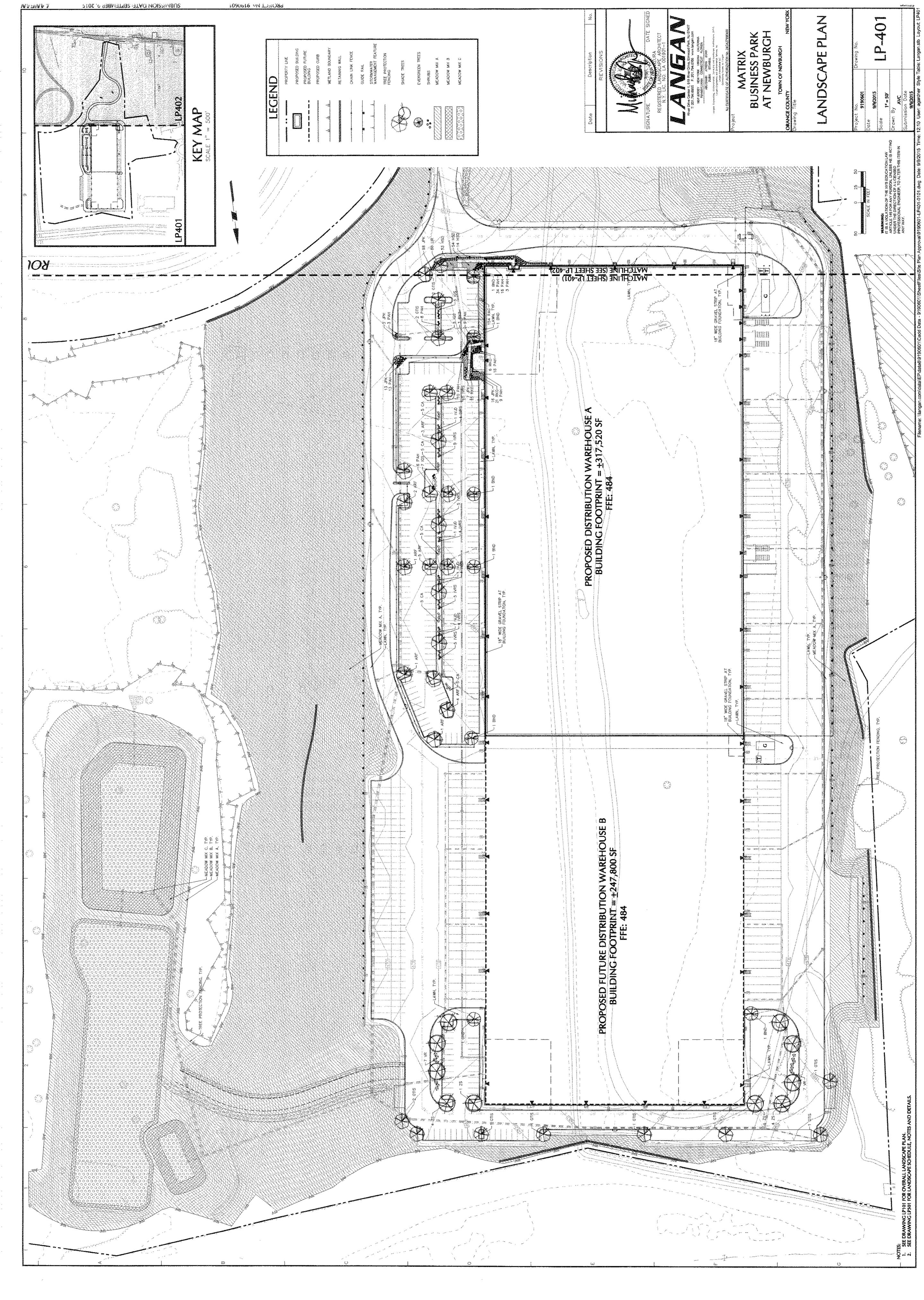
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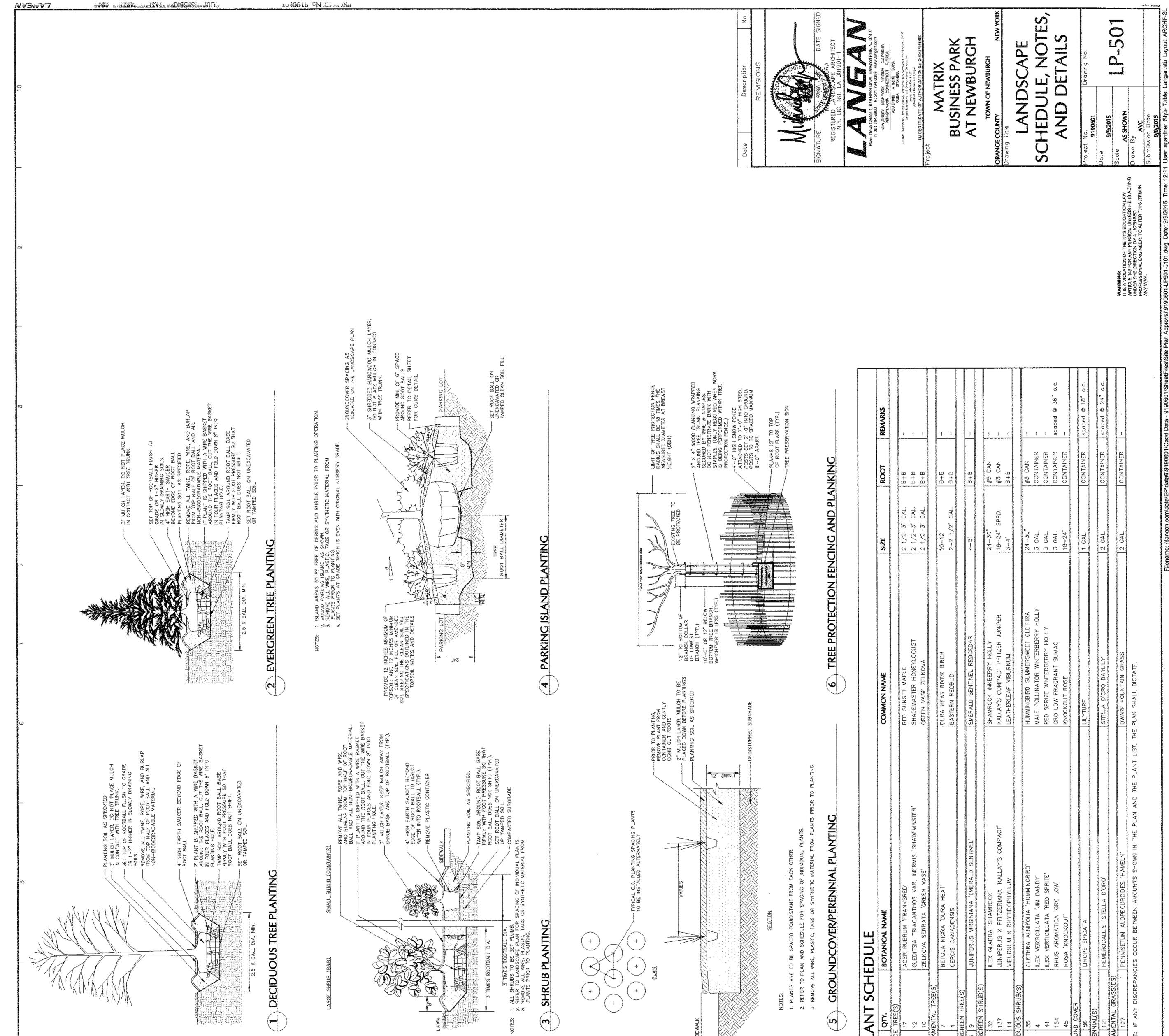


<u>al Syku</u>









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ALL WRE,

GROUNDCOVER/PERENNIAL PLANTING

(**S**)

T	HEDULE		
	TANICAL NAME	COMMON NAME	SIZE
2002 C			
5222	ACER RUBRUM 'FRANKSRED'	RED SUNSET MAPLE	2 1/23" CAL.
	CLEDITSA TRIACANTHOS VAR, INERMIS 'SHADEMASTER'	SHADEMASTER HONEYLOCUST	2 1/23" CAL.
	ZELKOVA SERRATA 'GREEN VASE'	CREEN VASE ZELKOVA	2 1/23" CAL.
2018/02			
n navara	BETULA NIGRA 'DURA HEAT'	DURA HEAT RIVER BIRCH	10-12'
		EASTERN REDBUD	2-2 1/2" CAL
ľ			
ŀ	NEL	VALD SENTINEL REDGED	4-5
ŀ			
ŀ	HLEX GLABRA 'SHAMROCK'	SHAMROCK INKBERRY HOLLY	24~~30"
	JUNIPERUS X PFITZERIANA 'KALLAY'S COMPACT'	KALLAY'S COMPACT PFITZER JUNIPER	18…24° SPRD.
	W	LEATHERLEAF VIBURNUM	5
1	CLETHRA ALNIFOLIA 'HUMMINGBIRD'	HUMMINGBIRD SUMMERSWEET CLETHRA	24~30"
	ILEX VERTICILLATA 'JIM DANDY'	MALE POLLINATOR WINTERBERRY HOLLY	3 GAL.
	ILEX VERTICILLATA 'RED SPRITE'	RED SPRITE WINTERBERRY HOLLY	3 GAL.
	RHUS AROMATICA 'GRO LOW'	GRO LOW FRAGRANT SUMAC	3 GAL
	ROSA "KNOCKOUT"	KNOCKOUT ROSE	18-24"
esutre.			
		UL YTURF	1 GAL.
1.010.0			a a se a
	JS 'STELLA D'ORO'		2 GAL,
ିର୍ଚ୍ଚ			a a server and the second s
•	TIMA A ODECINE	DWARF FOUNTAIN CRASS	2 GAL

NOTES:

OUND BEFORE ROUGH GRADING HAS BEEN COMPLETED SCAPE ARCHITECT OR PROJECT ENGINEER. I, ROOT BALL AND GUALLTY OF NEW PLANT MATERIAL CLINES AS SET FORTH IN THE "AMERICAN STANDARD THE AMERICAN ASSOCIATION OF NURSERYMEN. PLANT OF GROWTH AND BE HEALTHY, WGOROUS, AND FREE ON. GROWT WATERIAL OF THE SAME SPECIES AND BE SIMILAR IN SHAPE, COLOR AND HABIT. THE TO REJECT PLANT MATERIAL, WAT POES NOT CONFORM F THAT SPECIES. OCATION OF ALL EXISTING UNDERGROUND UTILITY AND EXCAVATION ACTIVITIES. NOTIFY THE PROJECT ENGINEER COR ANY DAMAGE. ISSTIUTIONS. IF THE SPECIFIED LANDSCAPE MATERIAL SHALL SUBMIT PROOF OF NON-AVAILABULTY TO THE HIS PLAN CONFORM TO THOSE GIVEN IN "STANDARDIZED D BY THE AMERICAN JOINT COMMITTEE ON S OF PLANT VARIETTES NOT INCLUDED THEREIN TED IN NURSERY TRADE. ARE NOT PAVED WITHIN THE CONTRACT LIMIT LINE, SCAPE PLANTING OR SEEDING AS SPECIFIED, SHALL BE MILL PREVENT SOIL EROSION AND THE EMAMATION OF

EXISTING UNDERGROUND UTILITY AND TIVITES, NOTIFY THE PROJECT ENGNEER POSED PLANTING LOCATIONS. THE

IT PLANTING LOCATIONS, FOR REVIEW AND APPROVAL BY WHER BEFORE PLANTING WORK BEGINS. THE WHER BEFORE PLANTING WORK BEGINS. THE ISHALL DIRECT THE CONTRACTOR IN THE FINAL ND LOCATION OF PLANTING BEDS TO ENSURE SS OTHERWISE INSTRUCTED. W PLANT MATERIALS AT THE SITE, BEFORE PLANTING, FOR GENUS, SPECIES, VARIETY, SIZE, AND QUALITY. FOR GENUS, SPECIES, VARIETY, SIZE, AND QUALITY. FOR GENUS, SPECIES, VARIETY, SIZE, AND QUALITY. FIE RIGHT TO FURTHER REVEW PLANT MATERIALS FOR NOT SYSTEM, INSECTS, INJURGES, AND LATENT DEFECTS, FFECTIVE MATERIAL AT ANY TIME DURING PROGRESS OF VE REJECTED PLANT MATERIALS IMMEDIATELY FROM NDSCAPE ARCHITECT OR OWNER.

MATERIALS SHALL BE DELIVERED IN CONTAINERS SHOWING ANUFACTURER. MATERIALS SHALL BE PROTECTED FROM 40 WHILE STORED AT SITE. TTOR SHALL PROVIDE TREES AND SHRUBS DUG FOR THE WILL BE PLANTED. DO NOT PRUNE PRICH TO DELIVERY E LANDSCAPE ARCHTECT. DO NOT DRCP GAN-TE SER AS TO DAMAGE BARK, BREAK BRANCHES, OR DESTROY TIVE COVERING DURING TRANSIT. DO NOT DRCP GALLED NERY OR HANDLING. BURLAPPED OR CONTAINER GROWN AS SPECIFIED. NO BURLAPPED OR CONTAINER GROWN AS NCHES IN TO SCEPPED IF JT IS ROOT BOUND. ALL ROOTBALL WRAPPING CERPTED IF JT IS ROOT BOUND. ALL ROOTBALL WRAPPING THROUGH THE SUFFICE IN TWO LOCATIONS. S AND SHRUBS DELIVERED TO SITE AFTER PREPARATIONS ER GROWN STOCK, THE CONTAINER SHALL BE REMOVED THROUGH THE SUFFICE IN TWO LOCATIONS. S AND SHRUBS DELIVERED TO SITE AFTER PREPARATIONS ED AND PLANT IAMEDIATELY. IF PLANTING IS DELAYED RY, THE CONTRACTOR SHALL SET TREES AND SHRUBS IN 0 MECHANICAL DAMAGE AND REEP ROOTS MORT BY OTHER ACCEPTABLE MEANS OF RETINING IS DELAYED RY, THE CONTRACTOR SHALL SET TREES AND SHRUBS IN 10 MECHANICAL DAMAGE AND REEP ROOTS MORT BY OTHER ACCEPTABLE MEANS OF RETINING IS DELAYED RY, THE CONTRACTOR SHALL SET TREES AND SHRUBS IN 10 MECHANICAL DAMAGE AND REEP ROOTS MORT BY JID OF ROCKS, STUMPS, TRASH AND OTHER UNSIGHT, Y JID OF ROCKS, STUMPS, TRASH AND ONTRACT AND RAKED SMOOTH ELIMINATING ANY CLUMPS ATTING OR MULCHING. JID OR MULCHING.

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NTEED TO BE ALIVE AND IN VICOROUS GROWING E FOLLOWING ACCEPTANCE BY THE OWNER. PLANT MING OR DEAD DURING THIS PERIOD, SHALL BE REMOVEL ACTOR AT NO EXPENSE TO THE OWNER. LEAN DURING DELIVERY AND INSTALLATION OF PLANT DFF-SITE ANY ACCUMULATED DEBRIS OR UNUSED OFF-SITE ANY ACCUMULATED DEBRIS OR UNUSED OFT AREAS CAUSED BY LANDSCAPE INSTALLATION

NUGHLY TWICE DURING THE FIRST 24- HOUR PERIOD HEN BE WATERED WEEKLY OR AS REQUIRED BY SITE I MGOROUS AND HEALTHY PLANT GROWTH. I TO BE INSTALLED PER THE SPECIFICATIONS. TO BE INSTALLED PER THE SPECIFICATIONS. OCATION, ALL TWINE HOLLING ROOT BALL TOGETHER THE BURLAP SHOULD BE PULLED DOWN SO 1/3 OF BURLAP SHOULD BE COMPLETELY REMOVED AFTER

ND THE TRUNK OF ANY PLANT MATERIAL. NO MULCH BASE OF THE TRUNK ABOVE THE ROOT COLLAR. WPLETED PRIOR TO COMMENCEMENT OF ANY LANDSCAPE IGATION WORK. STALLATION WITH DTHER TRADES INVOLVED WITH SITE STALLATION WITH DTHER TRADES INVOLVED WITH SITE SCORDINATE ALL, FENCE POST INSTALLATION WITH

MENDATIONS AND SPECIFICATIONS. MAT TO BE AMENDATIONS AND SPECIFICATIONS. DMPLETED EITHER BETWEEN APRIL 1 - JUNE 15 OR HERWISE DIRECTED BY THE PROJECT LANDSCAPE IN SEEDING NOTES. SIGNATED FOR PRESERVATION THAT DIE OR ARE REPLACED

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OTES

TREE PROTECTION FENCING, SHALL BE PROTECTED THOUGHOUN FENCING SHALL BE INSTALLED AT THE DRIP-LINE OF THE LANT THE FENCE TO BE LOCATED WITHIN THE LIMIT OF HITECT TO APPROVE THE LOCATEON OF ALL FENCING PRIOR 1

FAINED TO PROTECT TREES AT ALL TIMES. ANY DAMAGED WHEN DAMAGED. ALLED AROUND ALL EXISTING TREES AS NOTED ON THIS T.

MOVED OR BREACHED DUE TO TEMPORARY CONSTRUCTION 16. THE FENCING WILL BE RESET TO ITS ORIGINAL LOCATION THE TREE PROTECTION ZONE AS COMPLETE.

) TREES SHALL BE PERFORMED BY NON-MECHANICAL METHINST DAMAGE DURING EXCAVATION, ANY TREE ROOTS THAT UNED BACK WITH CLEAN SHARP TOOLS.

AS DIRECTED BY TH ON A DAMY BASIS

WN AT THE RATES AS (2 LES./1,000 SF 3./1,000 SF 1. LES./1,000 SF 1. LES./1,000 SF

O PRESERVE SOLL MOISTURE COVER IS ACCEPTED BY THE CRAIN STRAW ANCHORED W IS NECESSARY WITH BIODEGR ALL MUECH MATERIALS AND H S, PAVING OR VEHICLES IMME L BE AS FOLLOWS:

AE OF YEAR FOR SOWING ND OF COVER IS ESTABLI

MEADOW SEEDING NOTES:

1 1 1 1 1 1

<u>MEADOW, SEER, Mix A</u> - Ernsy seed mix Ernwa-168 "Northeast perennial & Annual Wldprower Mix"	CENTAUREA CYANUS, TALL MIXED COREOPSIS LANCEOLATA COREOPSIS THACTORIA LINUMA GRANIFLORUM RUBRUM CHEIANTHUS CHEIANTHUS COSMOS BUPINNATUS COSMOS BUPINNATUS COSMOS SUPHUREUS DELPHINUM AJACIS OFFSOPHILA ELEGANS	HESPERIS MATRONALIS HESPERIS MATRONALIS SHASTA DAIES ROCKET SUBBECKIA HIRTA RUDBECKIA RUCHERNAL	Ь. Х	SEED AT A RATE OF 15 LBS./ACRE. For spring seeding, Apply a nurse crop of dats at a rate of 20 LBS./Acre. For fall seeding, Apply a nurse crop of Barley at a rate of 20 LBS./Acre.	MEADOW.SEED.MIXR ERNST SEED MIX ERNMX-181 "NATIVE STEEP SLOPE SLOPE MIX W/ ANNUAL RYE"	LOLUM MULTIFLORUM ANNUAL RYEGRASS ANDROPOGON SCOPARIUS LITTLE BLUESTEM, CAMPER ELYMUS CANADENSIS LITTLE BLUESTEM, CAMPER SPOROBOLUS ASPER ROUCH DROPSEED BROMUS CULATUS CANADA W.D. RYE ROUCH DROPSEED FRINCED BROME AGROSTIS PERENNANS BLACK EYED SUSAN ASTER PRENANTHADDIES/NOVI-BELGI SOLIDAGO NEMORALIS GRAY GOLDENROD	is:	T, SEED AT A RATE OF 30 LBS./ACRE. 2. APPLY A NURSE CROP OF ANNUAL RYE AT A RATE OF 10 LBS./AGRE.	<u>MEADOW SEED MIX C</u> - ERNST SEED MIX ERNMX-127 "RETENTION BASIN FLOOR SEEDING MIX"	AGROSTIS STOLONIFERA ALOPECURUS AURNDIMACEUS ALOPECURUS AURNDIMACEUS ALOPECURUS AURNDIMACEUS ALOPECURUS AURNDIMACEUS ALOPECURUS AURNDIMACEUS ALOPECURUS AURNDIMACEUS ARGANIUM EURYCARPUM SCIRUPS ATROVIRENS SCIRUPS ATROVIRENS SCIRUPS ATROVIRENS SCIRUPS ATROVIRENS ANNULUS RINGENS MIMULUS RINGENS SOUDAGO PATULA SOUDAGO PATULA	NYES: SKED AT A RATE OF 15 LBS./ACRE. FOR SPRING SEEDING, APPLY A NURSE CROP OF DATS AT A RATE OF 20 LBS./ACRE. FOR FALL SEEDING, APPLY A NURSE CROP OF BARLEY AT A RATE OF 20 LBS./ACRE.	
<u>MEAD</u> OM MIX ⁷	00000000000000000000000000000000000000	00004444400000000000000000000000000000	NOTES:	J. SEED J. FOR J. FOR	MEADO	2000000 200000 200000 200000 200000 200000 200000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 200000 200000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 20000 2000000	NOTES:	7. S£I 2. AP	<u>NEADOV</u>	000000044400000 010088888888888888 8888	NOTES: 1. SEEU 3. FOR 5. FOR	

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3 (APR%, 1 TO JUNE 1) OR THE FALL (SEPTEMBER 1 TO D SEEDING USING A BRDAD. SPECTRUM NON-SELECTIVE TIONS. STALL SEED MIXTURE USING A NO-TALL TRUAX-TYPE DR SEEDING SHALL TAKE PLACE IN THE SPRING (APPE) OCTOBER 1). ELMINATE UNWANTEO VEGETATION PRIOR TO SEEDI HERBICIDE PER MANUFACTURER'S SPECIFICATIONS. IT IS RECOMMENDED THAT CONTRACTOR INSTALL S WHERE APPLICABLE. NOLES NTENANCE WEED

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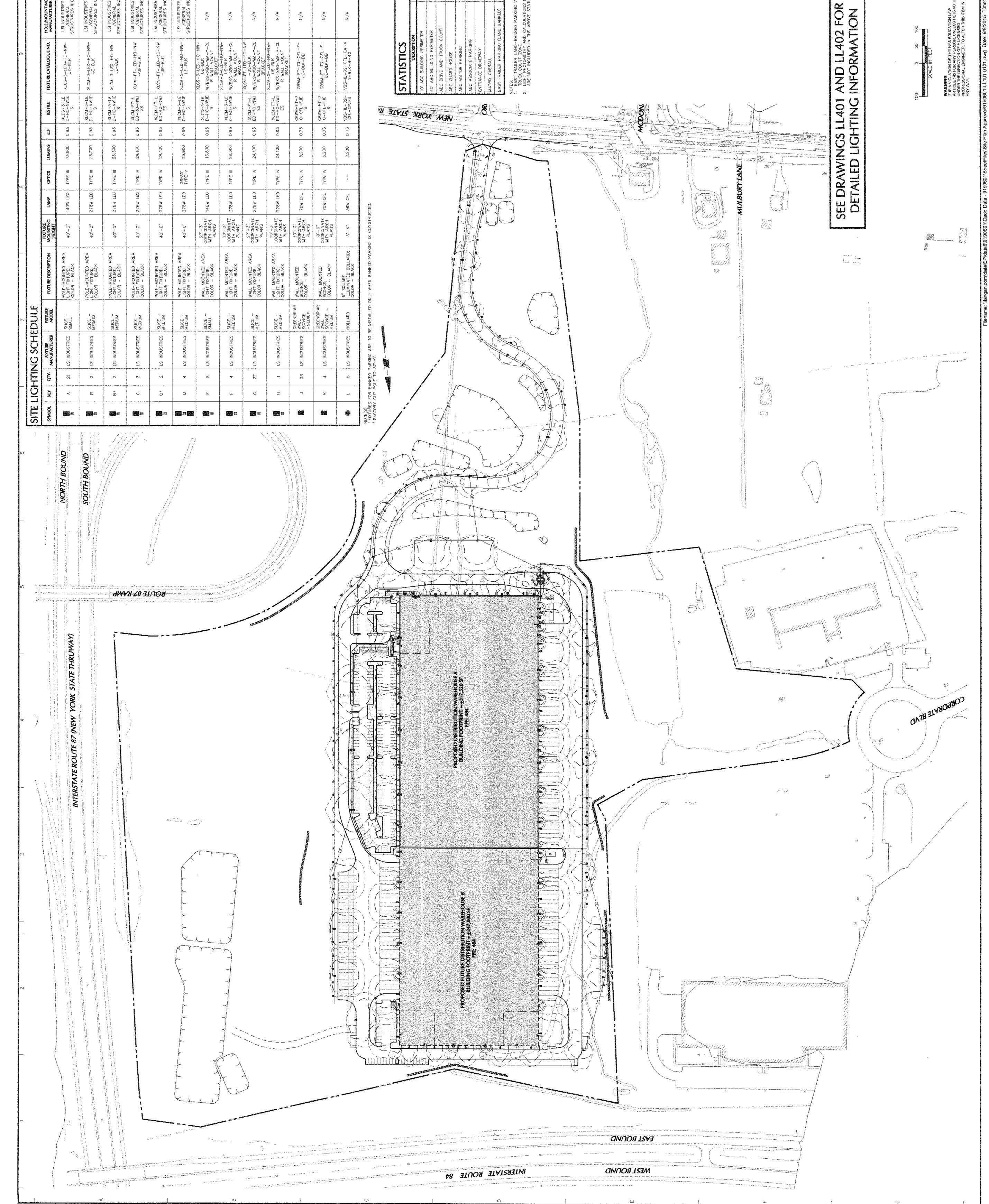
DURING THE ESTABLISHMENT YEAR, CONTRACTOR SHALL MOW SEEDING IF WEED HERGHT EXCEEDS MEADOW MIX HEIGHT. MOW AT A HEIGHT OF 8"+10", DO NO MOW CLOSE, AS SOME OF THE MEADOW MIX MAY BE DAMAGED. AFTER THE FIRST GROWING SEASON, AND IF MEADOW MIX IS WELL ESTABLISHED, THE MEADOW MIX SHALL, BE MOWED ONLY ONCE ANNUALLY, ANNUAL MAINTENANCE MOWING SHALL, BE DONE IN LATE WINTER DURING THE MONTH OF MARCH. MOW IN WETLAND AND WETLAND TRANSITION AREAS DURING DRIER SITE CONDITIONS WHEN SOM DISTURBANCE WILL NOT OCCUR. MAINTENANCE FOR WETLAND AND WETLAND TRANSITION AREAS SHALL OCCUR DURING LATE SUMMER (JULY 1 TO AUGUST 15) WHEN THE WATER TABLE IS JUSUALLY AT ITS COMEST POINT OF THE YEAR. DO NOT MOW IN WETLAND OR WETLAND TRANSITION AREAS SHALL COMEST POINT OF THE YEAR. DO NOT MOW IN WETLAND OR WETLAND TRANSITION AREAS SHALL 2

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ANT SCF	QTY.	HREE(3)	32	10	(ENTAL TREE(S)	REEN TREE(S)	6	REEN SHRUB(S)	32	137	14	JOUS SHRUB(S)	35	Å.	41	154	45	UD COVER	.86	NIAL(S)		ALNIAL GRASS(ES urbunermannennennennen 127	IF ANY DISCREPA
PL/	KEY	ARF	GTIS	2S	ORNAN	EVERG	JVES	EVERG	105	भूसे	¥	DECIDI	CA CA	0r/f	JVRS	RAG	RKO	GROUN	LIR LIR	PEREN	HSD		NOTE:

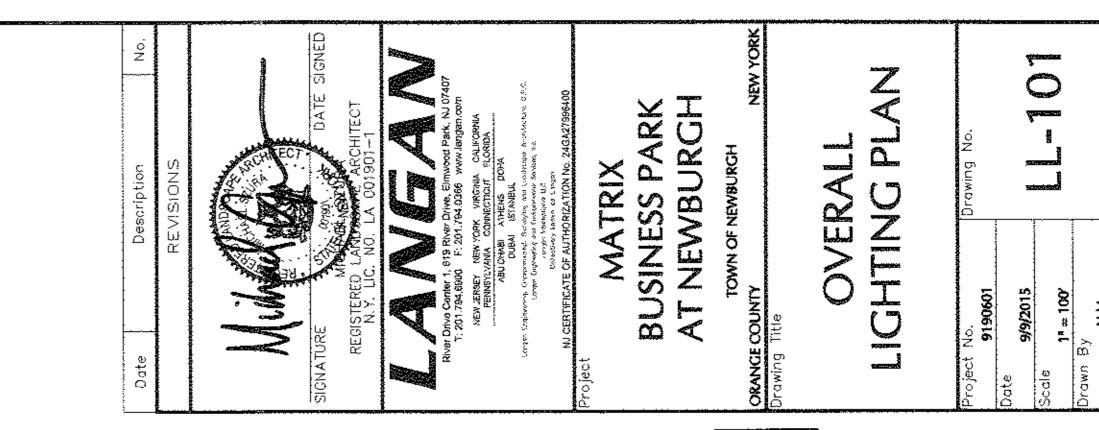
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NOL	FIXTURE MOUNTING HEIGHT	LAMP	OPTICS	LUMENS	μF	IES FILE	FIXTURE CATALOGUE NO.	POLE /MOUNTING MANUFACTURER	POLEMOUNTING	POLE	POLE MOUNTING CATALOGUE NO.	
AREA A	40'-0'	140W LED	TYPE III	13,800	5 9 9 9	XLCS~3~LE D~HO~NWJE \$	XLCS-3-LED-HO-NW UE-BLK	LISI INDUSTRIES /OENERAL STRUCTURES INC.	WOODEN UTILITY POLE WYH TENON MOUNTED BRACKETS	N/A	BKSNMRD2. 5BLK/PC81	
ARE A	40'0"	278W LED		28,300	\$6.0 .0	S 31:WN-OH-O 3-LE S-LE	×rcm−3+rg>=0 ×rcm−3+rgp−H0−Nw+	LSI INDUSTRIES /GENERAL STRUCTURES INC.	WOODEN UTILITY POLE WIN TENON MOUNTED BRACKETS	N/A	₿KS-NM-RD-2. 5 BLX/PC8?	
<u> </u>	\$00°	278W LED	TYPE III	26,300	0.95	D-HO-NWIE S	XLCM-3-LED-HO-NW- UE-BLK	LSI INDUSTRIES /GENERAL STRUCTURES INC.	WUCDEN UTUTY POLE WTH TENON MOUNTED BRACKETS	N/A	BKSNMRD2. 5BLX/PCB1	
AREA	\$0~0"	278W LED	VP 34Y7	24,100	0.95	XLCM~FT~L ED-HO-NWJ ES	XICM+FT-LED-HCNW UE3LX	LSI INDUSTRIES /QENERAL STRUCTURES INC.	WOCDEN UTILITY POLE WITH TENON MOUNTED BRACKETS	¥/N	BKS~NM ∽RD∽2, 5~~8LK /PCB~1	
AREA	40~0	278W LED	VI JALI	24,100	0.95	XLCM-FT-L ED-BO-NWJ ES	XLCN~FT+LED-HO~NW - UE-BLK	LS: NDUSTRIES /GENERAL STRUCTURES INC.	WOODEN UTELITY POLE WITH TENON MOUNTED BRACKETS	₹ Z	BKS~NA~RD~2. 581.K/PCB~1	
AREA	40'0"	278W LED	2@480' 77PE V	23,900	0.95	XLCM-5-LC DHONW.IE S	XLCM5LED-HONW	LSI INDUSTRIES /GENERAL STRUCTURES INC.	WOODEN UTILITY POLE WITH TENON MOUNTED BRACKETS	N/N	8KSKMR0-2. 5-8LK/PC8-1	
UREA	27"3" 27"3" WTH ARCH, PLANS	140W LED	∏ ZAPE ⊟	13,800	0.95	XLCS3LE D-HONW.IE S	XLCS3LEDHDNW UEBLK W/BKSX80WM*CX. R WALL MOUNT BRACKET	V/N	A/A	N/N	N/A	
REA	27'3" COORDINATE WITH ARCH. PLANS	278W LED	II 3477	26,300	0.95	XLCM3-LE D-HO-NWJE	XLCM-3-LED-HO-NW- UE-RLK W/BKS-XBO-WM-*-CL R WALL MOUNT BRACKET	N/A	N/A	N/A	A/A	
AREA	27'3" 27'3" WITH ARCH. PLANS	278W LED	7. 7.5E	24,100	0.95	XLCM-FT-L ED-HO-INMI ES	XLCM-FT-LED-HO-NW -UE-BLK W/3KS-XBO-WM-P-CL R WALA MOUNT BRACKET	N/A	N/A	V/N	N/A	
LREA	27-3" 27-3" COORD:NATE MTH ARCH. PLANS	278W LED	V 39T	24,100	0.95	XLCN+FT-L ED-HO-NWJ ES	XLCM-5-LED-HO-NW UE-BLK W/BKSX80-WM -+ CL R WALL MOUNT BRACKET	N/A	N/A	N/A	N/A	
	10'~-0" COORDINATE MITH ARCH. PLANS	70W CFL	VI 3471	5,200	0.75	GBWM-FT+7 0CFLF.IE S	GBWMFT 70CFLF UE+BLK-BB	W/N	N/A	N/A	N/A	
	8'0" COORDINATE WITH ARCH. PLANS	70W CAL	TYPE N	5,200	0.75	GBYMA-FT-7 0CFL-FLC S	GBWM.FT70CFLF	N/A	N/A	N/A	A/M	
CARD;	3'-6"	36W CFL	L J	2,200	0.75	VBS~IL~32~ CFL≁CP.IES	VBS…ఓ ~32…CFL~CA~M ₹-8LK+H+42	N/A	N/N	N/A	Y/A	
) PARKI	PARKING IS CONSTRUCTED.	JOTED.										



STATISTICS					
DESCRIPTION	AVG.	MAX.	MIN.	MAX MIN.	AVG/MIN.
10' ABC BUILDING PERIMETER	5.4fc	12.3FC	2.2±c	5.6; 1	2.5.1
40' ABC BUILDING PERMETER	3.8fc	12.3fc	1.5fc	11.2:1	д. 5 .5
ABC DRIVE AND TRUCK COURY!	2.3fc	2.3fc 12.3fc	0.5%	24.6.1	7.0:3
ABC GUARD HOUSE	5.6fc	7.8fc	4.2fc	1.9.1	1,3:1
ABC VISITOR PARKING	2.710	8.2fc	1.2fc	ۍ نو نو	2.3:1
ABC ASSOCIATE PARKING	2.3fc	8.0fc	1.Drc	8.0.1	2.3.1
ENTRANCE URIVEWAY	1.1fc	3.3fc	0.5%c	ð.6; t	2.2:1
MATRIX OVERALL	1.4fc	9,510	0.2fc	47.5:1	7.0:1
EAST TRAILER PARKING (LAND BANKED)	1.4.fc	3.0fc	0.61c	5.0:1	2.3:1

DRIVE AND TO REMAIN ABC NOTES: 1. EAST TRAILER LAND-BANKED PARKING VALUE TRUCK COURT ZONE 2. LIGHT PHOTOMETRY AND CALCULATIONS FOR EXIS 2. LIGHT PHOTOMETRY AND CALCULATIONS FOR EXIS ARE NOT INCLUDED IN THE ABOVE STATISTICS.



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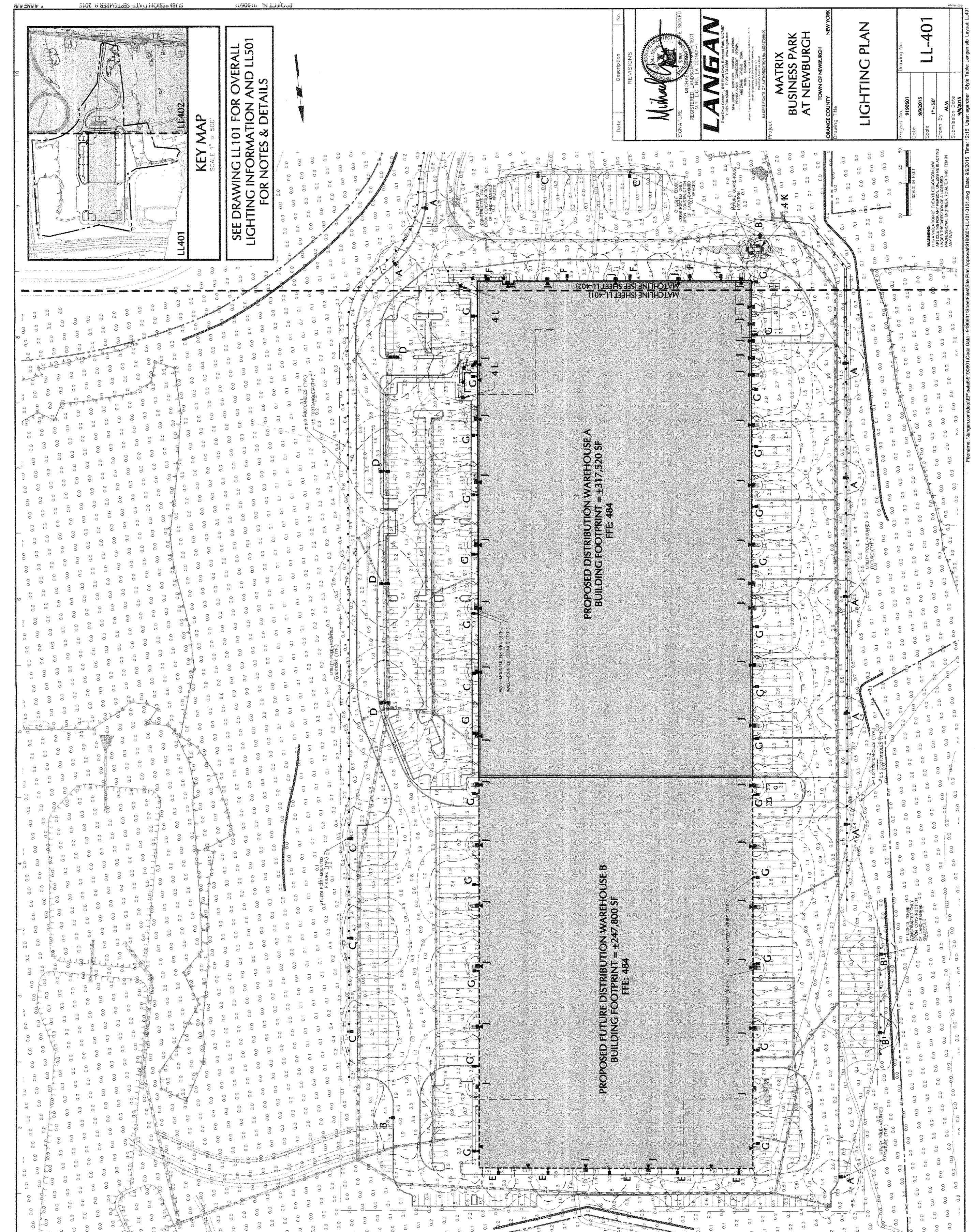
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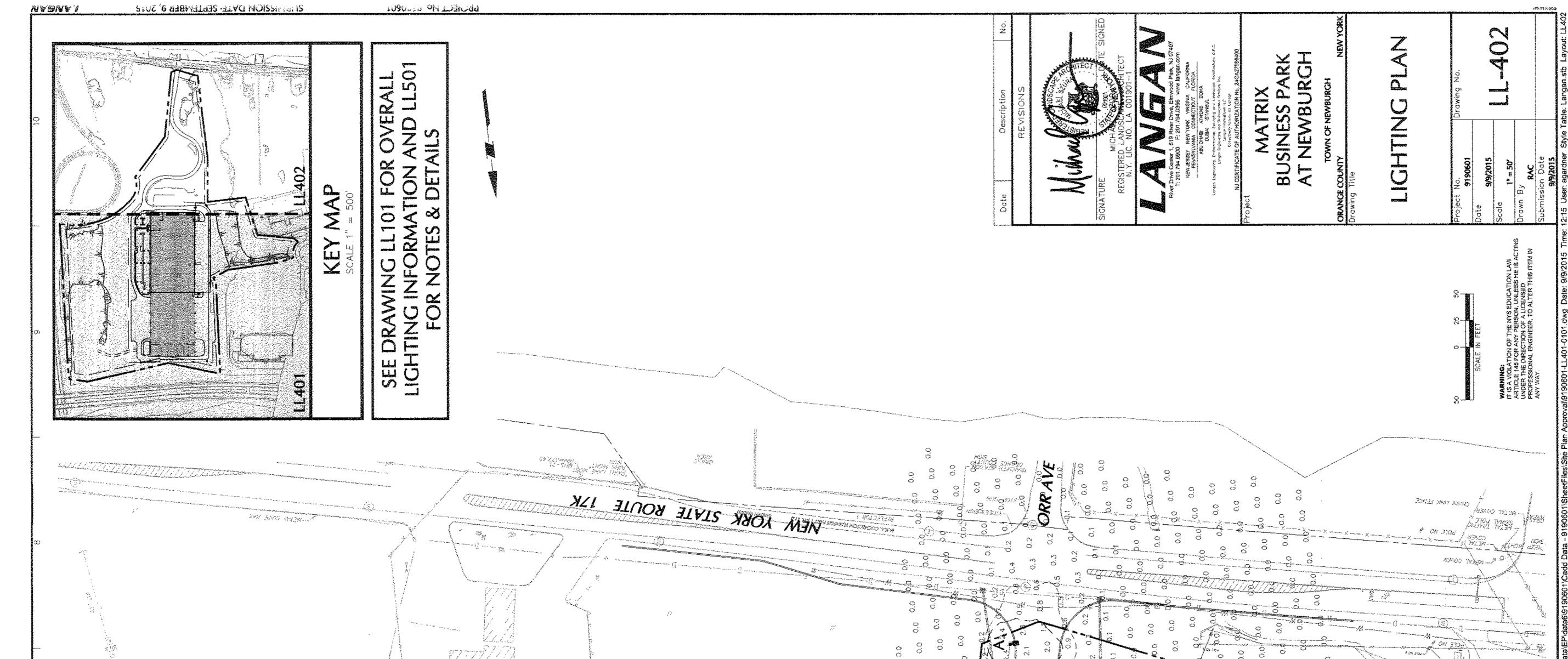
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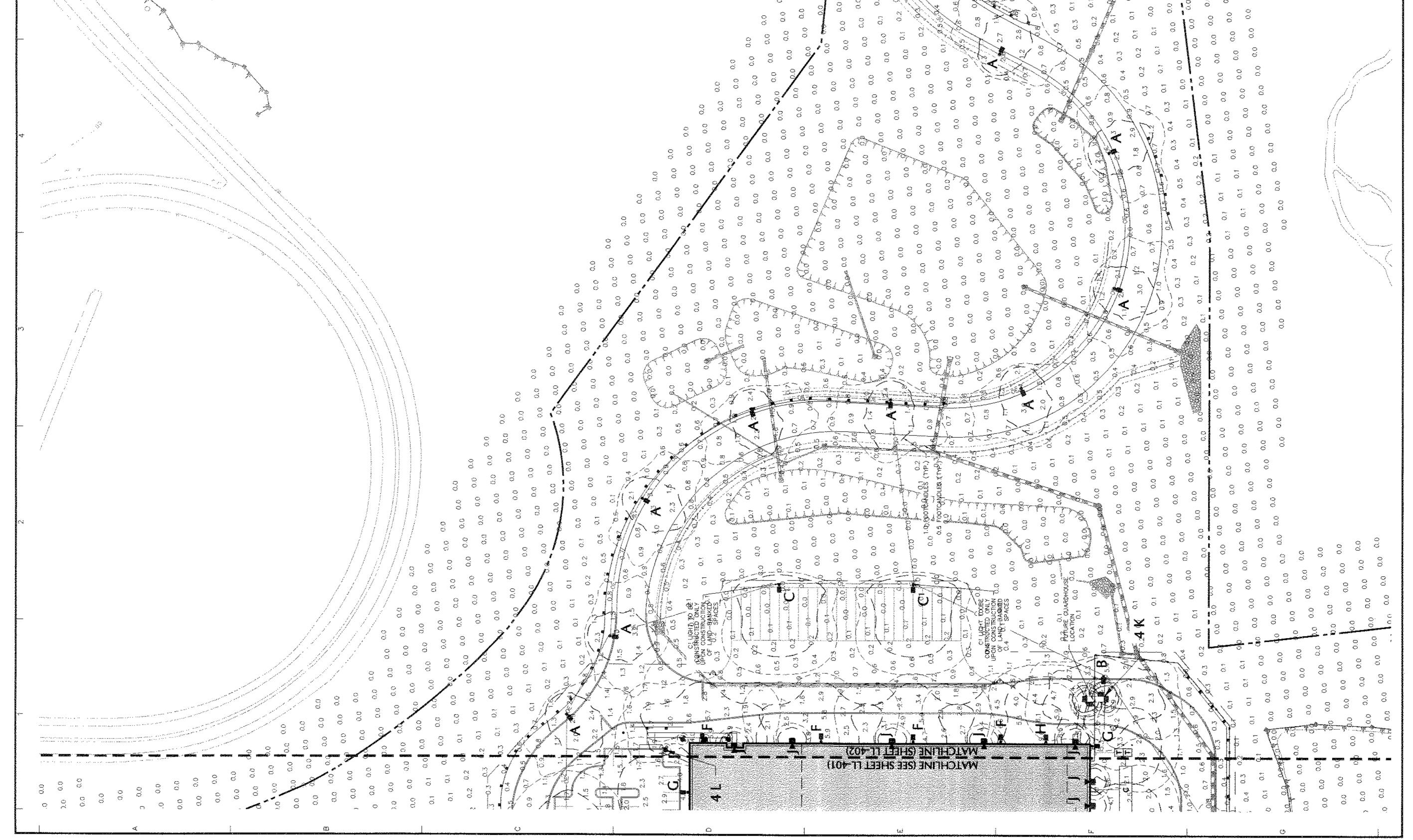


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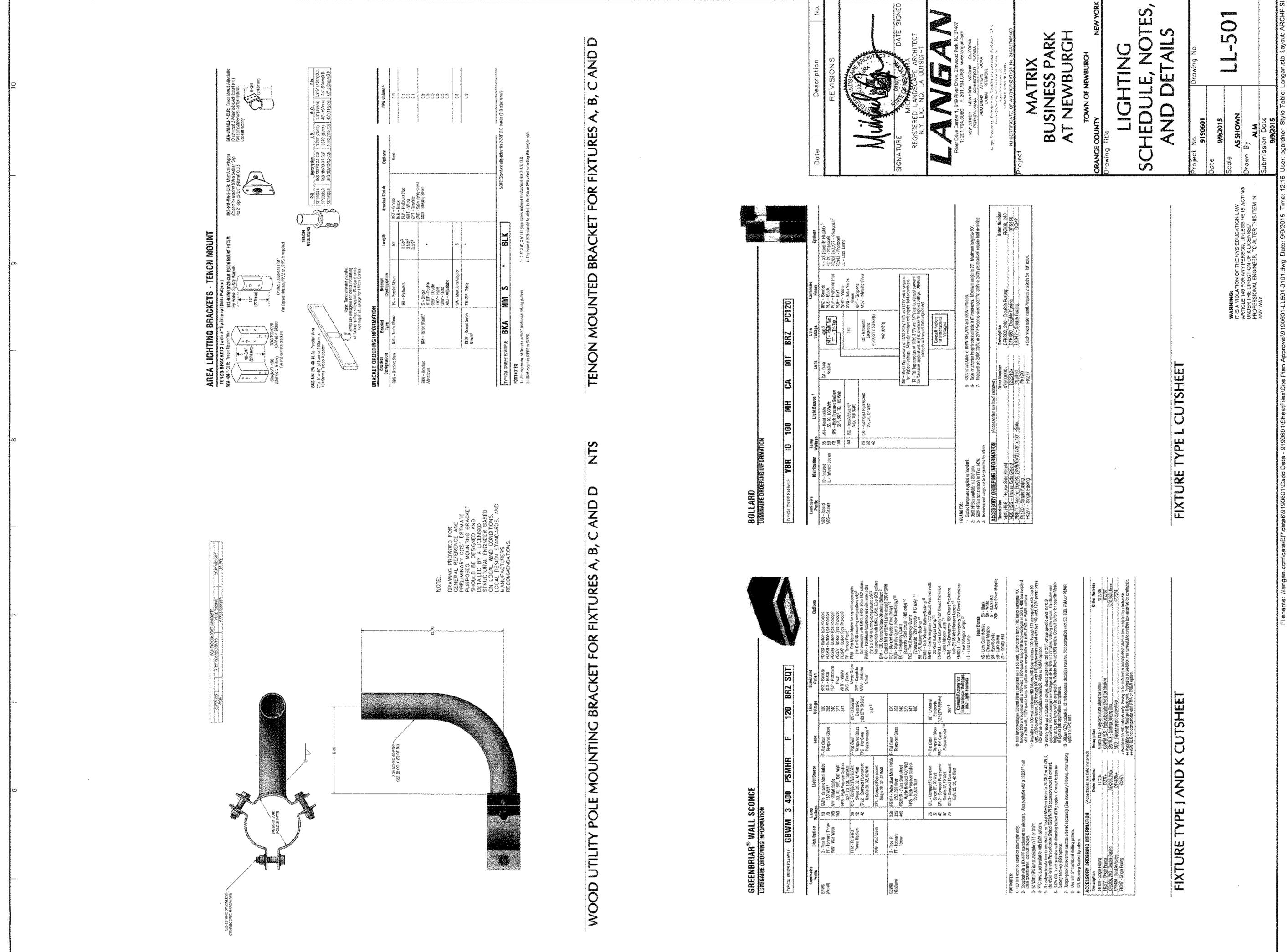
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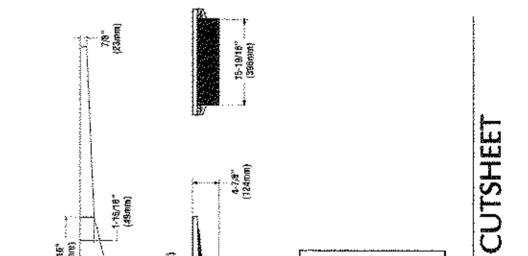
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DOCUMENTS AND -PLACE CONCRET BLE FOR EXTERIOR IN CONTRACTOR SHALL I CONTRACTOR SHALL I CONSTRUCTION 1.Y TO CAST-IN-POLES AT LOCATION INDICATED ON THE AND PA I OF UNDERGRAUNU RAINAGE SYSTEMS, J ULD ANY UTILITIES, SHOU SHOU

ECTION CATED ON ICAL CON ECT FOR AND DISTRIBUTION AS IN HITECT AND / GP OWNER. ELECTRN AND /ELS ARCH PROVIDE ILLUMINATION LEVE CCTED BY THE LANDSCAPE / STALLATION OF WALL MOUNT MEP, ARCHITECT, AND/ OR AFTER NSTALLA

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A SED WITH TO BOTTOM. 10 1515 COO ГОР ATON IS 20 F.L.LEFT TO RIGHT AND 20 FT. A 0.75 TO 0.95 MAINTENANCE FACTOR. ES, POLES, FOOTNOS, AND FEEDER CABLE VELICT WITH FINISHED AND PROPOSED WORK UNTED FIXTURES , OR OWNER.

CULC: POGRAPHY, ACTS HAVI IY, IN EITH KOVIDED WITHIN HAVE BEEN PREPARED IN ACCORDANCE JO IESNA IN OF THE VARIABLES WITHIN THESE NOTES AND SITE LICHTING SCHE LS ARE NOT AN INDICATION OF THE INITIAL LICHT INTENSITIES OF TH ATION OF THE MAINTAINED INTENSITIES DELIVERED TO THE GROUND JA ATION OF THE MAINTAINED INTENSITIES DELIVERED TO THE GROUND JA TO LOSS FACTORS (LLF) WHICH COVER LAMP DEGRADATION AND NAT HE LICHTING PLAN IS DESIGNED WITH AN INDUSTRY ACCEPTABLE LIF RES OVER YEARS OF USE AND WEAR, MINOR VARIATIONS IN TOPOGR COLLATIONS, THEREFORE, AS-BUILT LICHT INTENSITIES MAY VARY, IN ILY PORTRAYED WITHIN THESE DRAWINGS. AND MATERIALS SHALL COMPLY WITH CITY, COUNTY, AND OTHER REQUIREMENTS.

RIXTURE HOUSH MOUNTED TO UTULTY POLE

XERCENND UTILITIES AND ALL ES 10 HT ^rix1 RDINATE LOCATION OF EASEMENTS, UN S.

Site BRDINATE POWER SOURCE WITH LIG BRICHENTLY AND SAFELY. CONFIRM THAY LIGHT FIXTURES MA

CONFIRM THAY LIGHT FLYTURES MATCH SPECIFICATIONS ON THIS PL. PROVIDING AGEOUATE POWER FOR SITE LIGHTING. EXAMINE AND VERIFY THAT SOIL CONDITIONS ARE SUITABLE TO SUI INS DURING EXCAVATION, CONTRACTOR SHALL NOTIFY ENGINEER OF

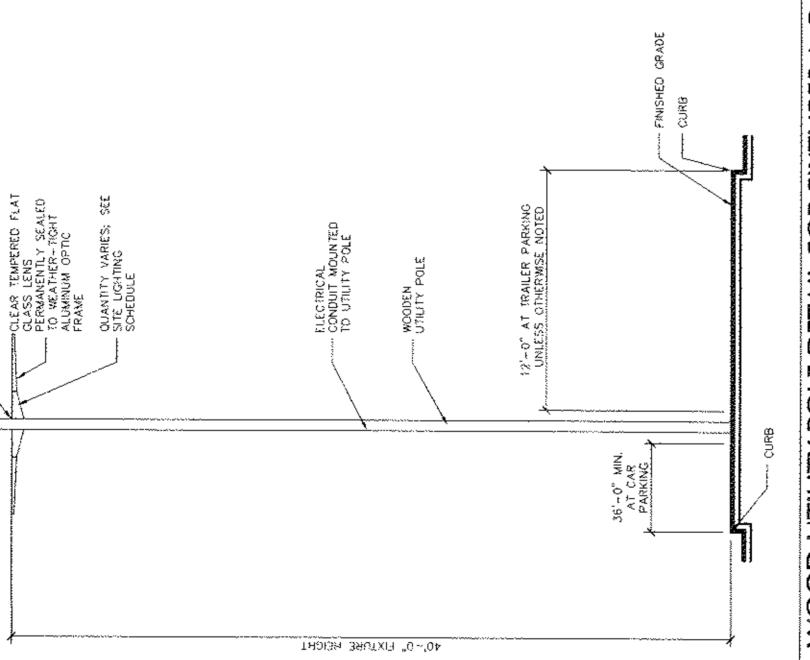
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WITHIN 14 DAYS PRIOR TO THE BID DATE TO PROVIDE AMPLE TIME FOR M INCORPORATING THE SUBSTITUTION WITH THE FOLLOWING REQUIREMENTS: FURES, POLES, ETC. MUST BE APPROVED BY THE OWNER, ENGINEER, AND CATES BY ITED AREA W C LAYOUT OF THE PR FORMANCE.

OATE, IATIONAL INDEPENDENT TESTING LABORATORY WITH REPORT NUMBER, IRE AND LAMP SPECIFICATIONS, IES CALCULATIONS, CANDLEPOWER RY, ISOLUX PLOT, AND CATALOGUE CUTS. CATALOGUE CUTS MUST FICS, LAMP TYPE, DISTRIBUTION TYPE, REFLECTOR, LENS, BALLASTS, DUSING DESCRIPTION.

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WOOD UTILITY POLE DETAIL FOR FIXTURES A, B,



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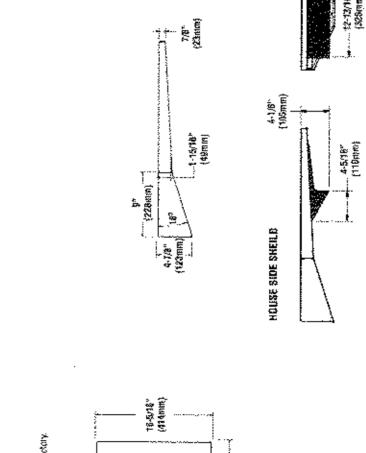
LED AREA LIGHTS - LSI SLICE MEDIUM (XLCM) LUMINAIRE ORDERING INFORMATION

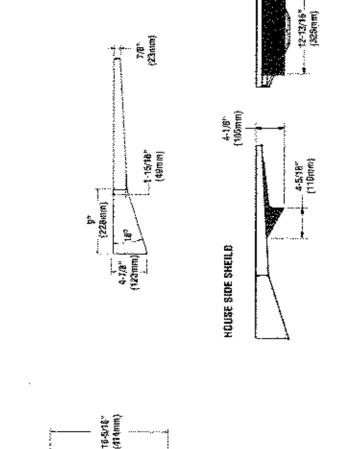
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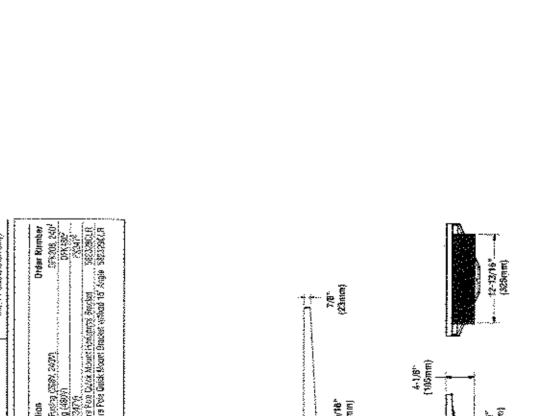
SLK - Black BRZ - Rome Whit - White

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愿冀	Drebes Cucrisiti	Color Terstigtature	egetlet taget	pisage	Flatsh	Ophaus	-
5	SS - Super Saver HO - Hgs: Onlyan	CW - Cod White CW - Cod White (SECOR) HW - Reschal White (400%)	UE - 15merral Valtage (750-2777) 347-485	F - 1\$nvertal Valtage (YEO-2777) 347-488	BLX - 3%2% BRZ - Brosse WHT - White	DBA - D-16V furming (\$100 batenes shipati arraitable unda Sign Dalput (HC) drive corrent saly	
			Universal Victage (347-480A)	બળાકને Walaga ડ્રેમ ?-નઇ/A)		8utura Type Protocelis Post20 - 5024 Post20 - 204 Post47 - 34P4	
						lic - internals Locropor (available) volte FT distribution anky)	
S.	3RY ORDERING INF	SSORY ORDERING INFORMATION (Accesso	- ei	Accessories are field reserved)			
388	<u>ា</u> ននៅខ្លាំង		Order tkyrhist	96 1	ឧទទេសម្ភាសា	Order Number	
) WIN' FLA Way Moved Frankel 174158 Reuss Side Sweld (Sland en)/	202130214	3521320LA	OFK200, 240, Do	1488 Turking (25,8%, 24)201. Furking (480)A	FR205, 249, Dockle Fusing (2584, 2407) 154430, Dockle Fusing (4807)	
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15	italiza della prate par a mana Siglia Susting (1234)	<u>Maura des Parts de la Primos</u> 1948: Sating (123M)	5038000	PUBLIC ALC: R	Square Fox Used Mount of Square On	CORTEND FOLLS SQUARE FOR USER ADDRESS PRESENT OF ADDRESS PRESENT OF STATEMENT OF ADDRESS POST ONLY REACHED FOR ADDRESS AND ADDRESS ADDRESS ADDRESS ADDRESS ADDRESS ADDRESS ADDRESS OF ADDRESS ADDRESS ADDRESS ADDRESS ADDRESS ADDRESS ADDRESS ADDRESS ADDRESS ADDRESS ADDRESS ADDRESS ADDRESS ADDRESS ADDRESS ADDRESS ADDRESS ADDRESS ADDRESS ADDRES ADDRES	
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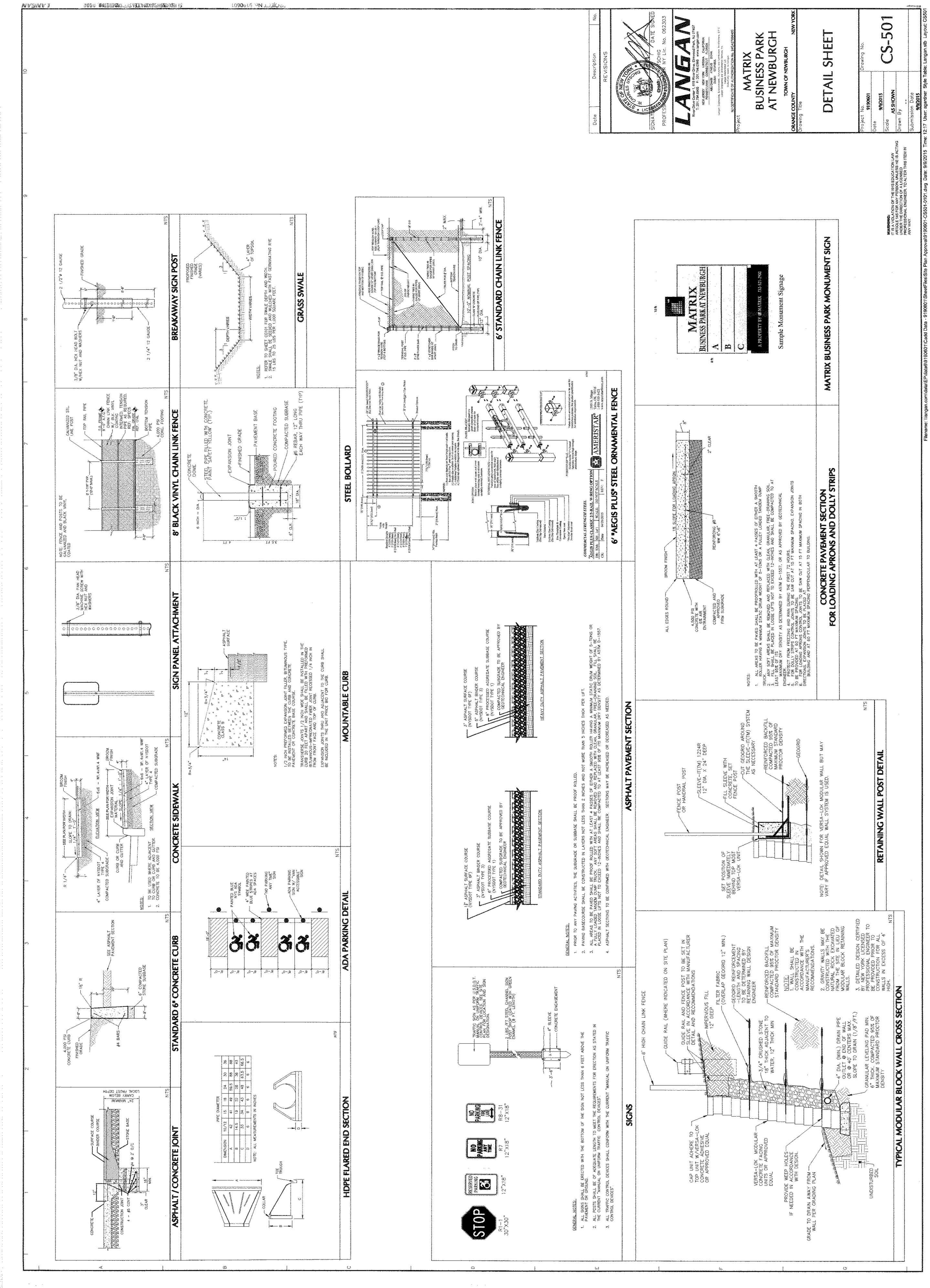
BLK PCI120 JACT ROLA STUD SY BUSTORY NAZT SN BUSTORY NAZT SN BUSTORY NAZT SN BUSTORY NAZT SN BUSTORY NATURAL TOWALLA NUMBER 11-3/1 [284# **Mote:** Optics are not field-cotatable. For 0180 Forware Throw (notatabletions specify left (FT-L) and/or right (FT-R) side rounding. Ostazzation is based on standi at the pole and looking out at the area to be lt. 347-400 Universita Veritagia (347-480) 4-7/8" (123mm) 7-1/2" (191869) CW UE HERETAN CAV - Dual 98 (50060 WW - Neusral AND - Neusral REFLECTORS (TOP VIEW) DERING INFORM Autor Bracker) Mouse Side (BNS-XICD-RYM - C.K. Was Akourt Earch XI.CM-AFT-NSS PM - Creme House Sid Reak erby - Irain charated) XICM-FT-LIFE-IRSS SM - Scenasi Nuc-Back erby - Edit muniford XEMPP - Rising Fock - Place House XSRPP - Richard Fock - Place House XSRPP - Richard Fock - Place Area Shoise XLCM 5 LED SS Use type FT-R 14 A C 2 FOOTROTES: 1 - House Side T/PSCM

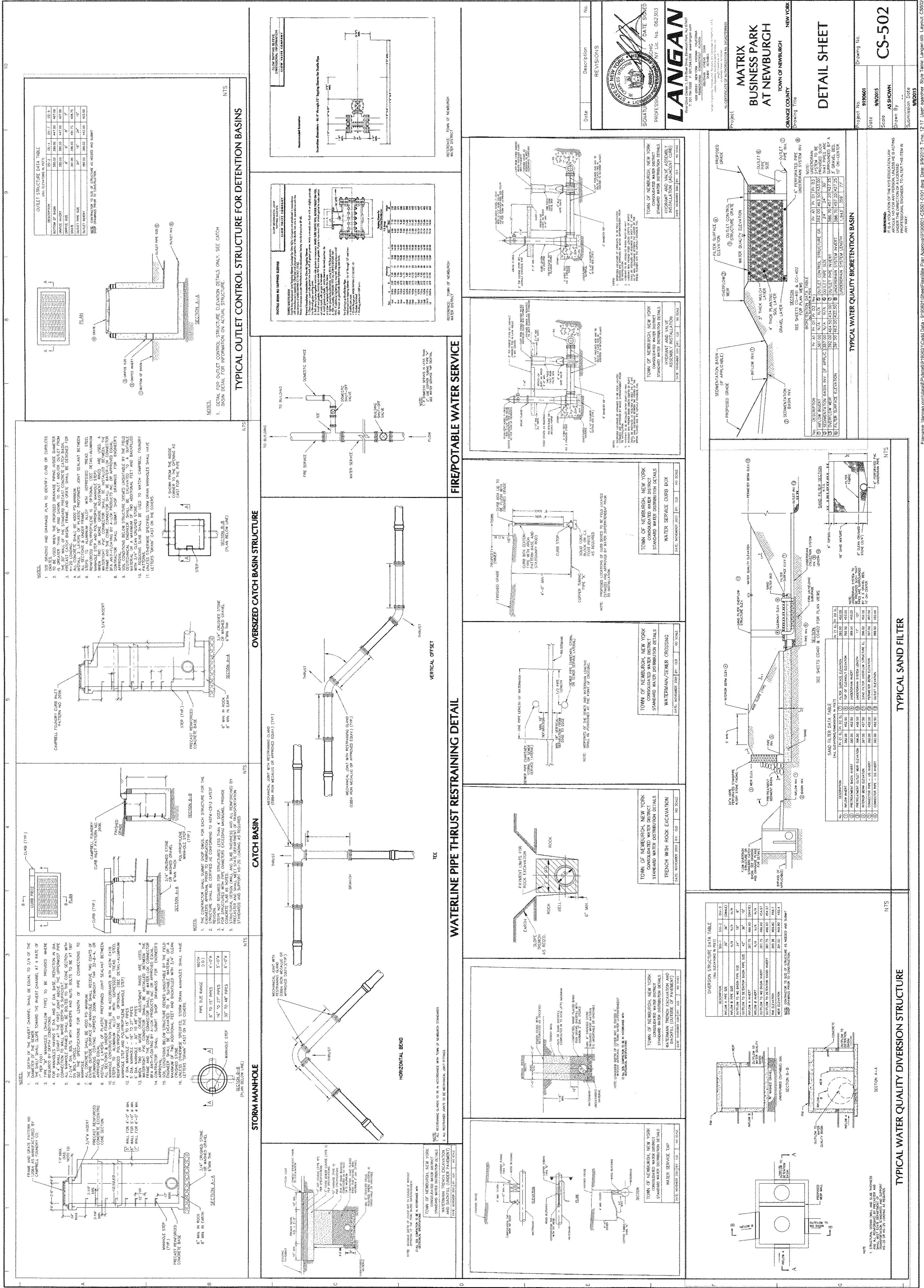
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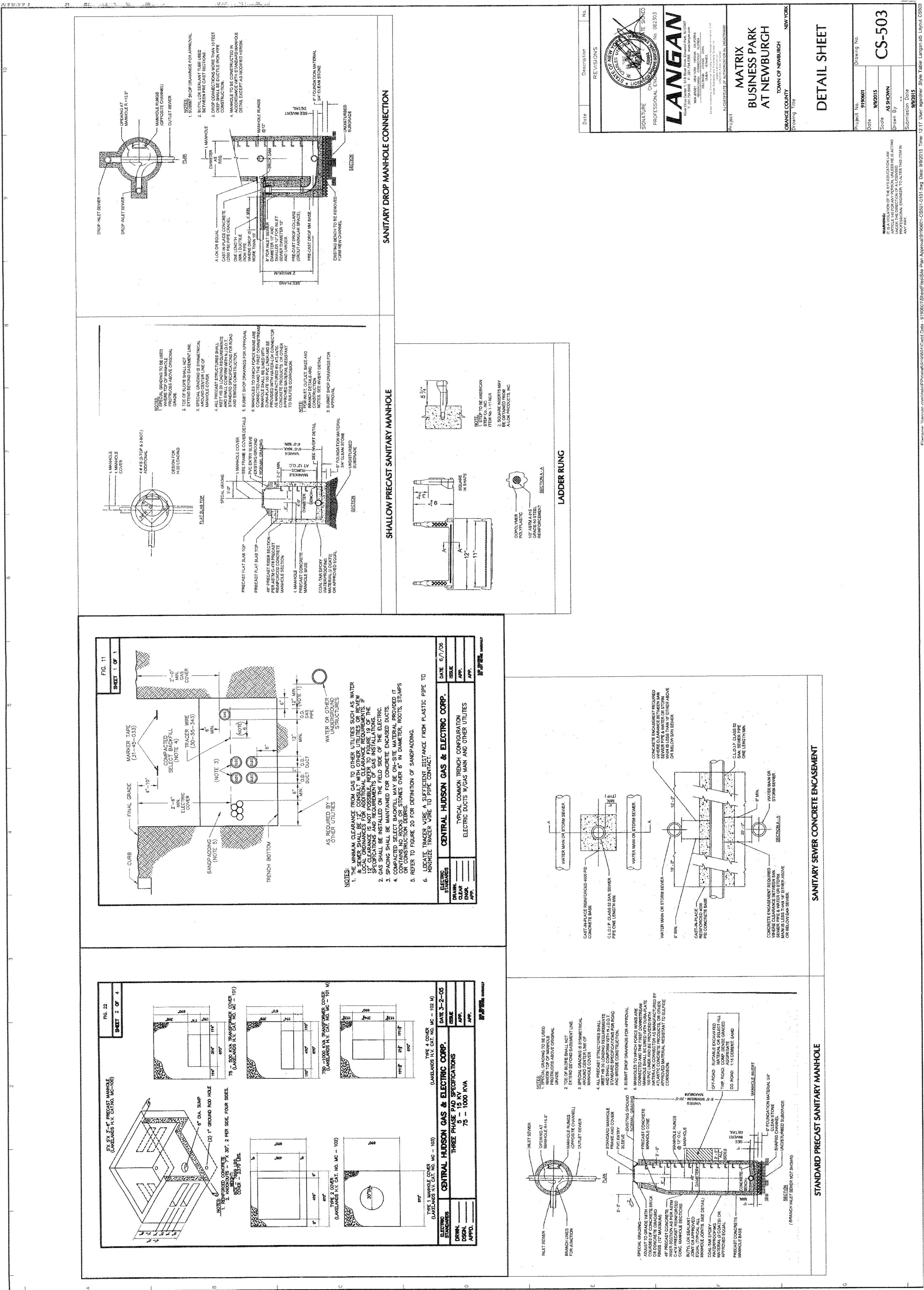
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