

TOWN OF NEWBURGH PLANNING BOARD TECHNICAL REVIEW COMMENTS

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

PROJECT NO.: 22-29

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

SECTION 89, BLOCK 1, LOTS 66 & 69.11

REVIEW DATE: 30 AUGUST 2023
MEETING DATE: 7 SEPTEMBER 2023
PROJECT REPRESENTATIVE: LANGAN ENGINEERING

- Certain items on the Site Plan including Guard Houses and directional signs are to be deferred to owner's requirements. Security fencing and gates are also identified as being installed as an option. This seems in conflict with approval language typically utilized which notes that which is shown on the plans is to be constructed.
- 2. Legal agreements between the adjoining property owner for the emergency access route should be submitted.
- 3. FAA determination is required.
- 4. Previous comments requested there be an analysis of the rims and inverts and pipes crossing Route 17K near Toyota of Newburgh for the Stormwater Analysis.
- 5. Health Department approval for watermains with hydrants is required.
- 6. The applicants are requesting a Five Acre Waiver from the Town of Newburgh for the MS4 Authorization Letter.
- 7. The Tree Preservation Law has been modified by the Town Board. Sample plots have been utilized.
- 8. Design of the water system must take into account water hammer protections for the Town's system. Coordination of filling any fire flow tanks must be undertaken between the applicant and the Town of Newburgh Water Department.
- 9. The applicant should verify the size of the watermains within Route 17K to complete the design of the water system.
- 10. Water System Design Report should be submitted.
- 11. The size of the sanitary sewer force main should be depicted on the plans.

- 12. Detail of the connection to the existing sanitary sewer should be identified.
- 13. Design and Engineering Report for the sanitary sewer pump station should be submitted.
- 14. We would recommend the emergency access road be completed with asphalt pavement. Small sections of the road are identified as having gravel base.
- 15. The watermain details should be revised to note that EBBA Iron Meglug retaining glands are required.
- 16. This office will coordinate a City of Newburgh Flow Acceptance Letter. A Flow Acceptance Request has been received from the applicant's representative.
- 17. The applicants are requested to discuss with the Planning Board progress with NYSDOT regarding the site access drive and any improvements.
- 18. The Planning Board may wish to review the Part II of the EAF with regard to making a SEQRA determination.

Respectfully submitted,

MHE Engineering, D.P.C.

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Patrick J. Hines

Principal PJH/kbw



Orange County Department of Planning

124 Main Street Gothen (NY (1924-2174) Tel (845) 615-8840 Tax (845) 23 -2511 Ating Seconds wer Commission

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County Reply – Mandatory Review of Local Planning Action as per NYS General Municipal Law §239-l, m, & n

Local Referring Board: Town of Newburgh Planning Board **Applicant**: Matrix Newburgh Route 17K Development LLC

Matrix Newburgh Route 1/K Development L

Project Name: Matrix I-84 Distribution Center

Referral ID #: NBT 23-23M **Tax Map #:** 89-1-66, 69.1, and 97

Local File #: PB#22-29

Proposed Action: Minor Subdivision to merge three existing lots into one new lot; Site Plan for removal of existing development and new development of 595,900 sq. ft. distribution center on newly-created parcel

Reason for County Review: Within 500 feet of NYS Route 17K and Interstate 84

Date of Full Statement: July 25, 2023

Comments:

The Department has received the above referenced site plan and minor subdivision and has determined that the intended land use has the potential to cause inter-municipal and countywide impacts. Therefore, the following binding comments should be addressed and may not be acted contrary upon except by a majority plus one vote of the members of the Town of Newburgh Planning Board or by disapproving the action.

1. Flight Interference: The project is located within the flight path of Stewart International Airport and within the Town of Newburgh Airport Overlay Zone. Although it appears that the flightpath crosses the lower portion of the site that is not developed with any part of the proposed building, it is vital that the applicant consult with the Federal Aviation Administration and determine what, if any mitigation may be necessary. We do note that the roofline of the proposed building will be approximately 130 feet above the street elevation of NYS Route 17K in front of the project site. At the time of project review, the Department was informed that the applicant had contacted the FAA and not yet received a response. When the FAA does respond, the Town and the applicant should work together to incorporate any necessary mitigation into the site design.

Additionally, this Department offers the following advisory comments for your consideration.

Lot Line Change: The Department has no objection to the proposed merger of the three existing lots.

<u>Vegetation Management</u>: The applicant has prepared a comprehensive landscaping plan for the project, including an onsite tree inventory; of the 222 trees onsite, 61 will be retained or protected, while 161 will be removed for construction. The landscaping plan proposes to replant 107 trees, which include trees of most of the same species currently onsite. A 1:1 tree replacement is possible on the project site, and that the applicant could include some Shagbark Hickory trees to provide a more welcoming wildlife habitat, should the Town wish to make these changes. We advise the Town however that the hillside on the south side of the building between the onsite easement road and Bioretention Area 10, currently proposed to be stabilized with a stepped retaining wall, should be further stabilized by the planning of woody-stemmed shrubs and small trees in keeping with the height requirements of the FAA, as should the hill south of the onsite road and north of Bioretention Area 20.

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Rooftop Solar: The applicant states in their Full EAF that they expect to use approximately 450kW of electricity per year; typical annual usage for a warehouse and distribution facility of this size would be approximately 5.3MW per year. The applicant has, however, designed the structure in a way that rooftop solar panels could be integrated into the building design, which would offset the need to rely on the existing power grid and increase the resilience of the proposed expansion and the energy autonomy of the entire facility. Orange County has adopted the C-PACE Commercial Property Assessed Clean Energy Program that can provide complete financing of the cost of a rooftop solar project. For more information visit www.orangecountygov.com/295/C-PACE.

Lighting: The Board should ensure that any outdoor lighting for the proposed project is designed, located and directed in such a manner as to prevent objectionable light at and across property lines and to prevent direct glare at any location on or off the property. All lighting should be energy efficient and comply with International Dark-Sky Association (IDA) standards. These standards have been met with the proposed lighting design. The Board must also ensure that the FAA has also reviewed the proposed lighting design and has no objections to the proposal. We would encourage the applicant to explore instituting a lighting curfew that reduces lighting levels for areas that are not in use at a particular time, and potentially incorporating motion sensors for areas with infrequent usage. We further encourage the applicant to consider the installation of screening vegetation at the edge of the parking lot to ensure no or minimal offsite light spillage, and the shortening of the proposed light poles from 27' tall with a 3' base to a cumulative height of 20' or less.

<u>Water Sense</u>: At the early stage of the project development, we encourage the Planning Board to request that the applicant incorporate WaterSense fixtures into the Building Design to reduce the use of water. More information can be found at https://www.epa.gov/watersense/watersense-products.

<u>Traffic</u>: The proposed truck turning plan and traffic impact analysis provided by the applicant are sufficient for this Department. We advise the Town to meet with representatives of the New York State Department of Transportation to ensure that these documents are also sufficient for their purposes and that the proposed plans meet all necessary safety measures. We would suggest that the Town, applicant, and DOT consider the inclusion of either a right-in or a right-in/right-out turning and stacking lane on Route 17K to keep traffic moving in the vicinity of the project site.

<u>Environmental Constraints</u>: The proposed project is in an area known to contain habitat suitable for endangered or threatened species, including the Northern Long-Eared Bat, the Upland Sandpiper, and the Indiana Bat. We advise the Town and the applicant to ensure that best practices are followed during construction, in order to minimize any accidental takings of these species. Best practices are likely to include times for tree harvesting, among other measures.

Watershed Protection: The project site is crossed by a Class C stream with the federal designation 862-136, and contains several wetlands associated with the stream that are regulated under the jurisdiction of the United States Army Corps of Engineers. This stream drains to Beaver Dam Lake, alternately referred to as Randall Lake in the Stormwater Pollution Prevention Plan prepared by the applicant, which is a drinking water supply for the Beaver Dam Lake residential community in the Town of New Windsor. Given the recent history of water contamination in the Towns of New Windsor and Newburgh and the City of Newburgh drinking water supplies, there are very limited water supply reserves available to replace Beaver Dam Lake in the event of serious contamination from this project site. We therefore advise the Town to require additional filtration between the proposed runoff channels and Wetland C. Inclusion of an additional

Matrix Newburgh Route 17K-Site Plan and Lot Line Change Referral ID # NBT 23-23M

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bioretention basin immediately to the east of Wetland C, even something as relatively low maintenance as the dry ponds proposed elsewhere onsite, will allow for additional contaminant filtration that will protect residents downstream. We also advise the Town to consider additional Green Infrastructure/Runoff Reduction techniques to be incorporated into the project, such as permeable pavement in the employee parking areas, among other techniques.

County Recommendation: Approval subject to modification as per comments # 1

Date: August 21, 2023

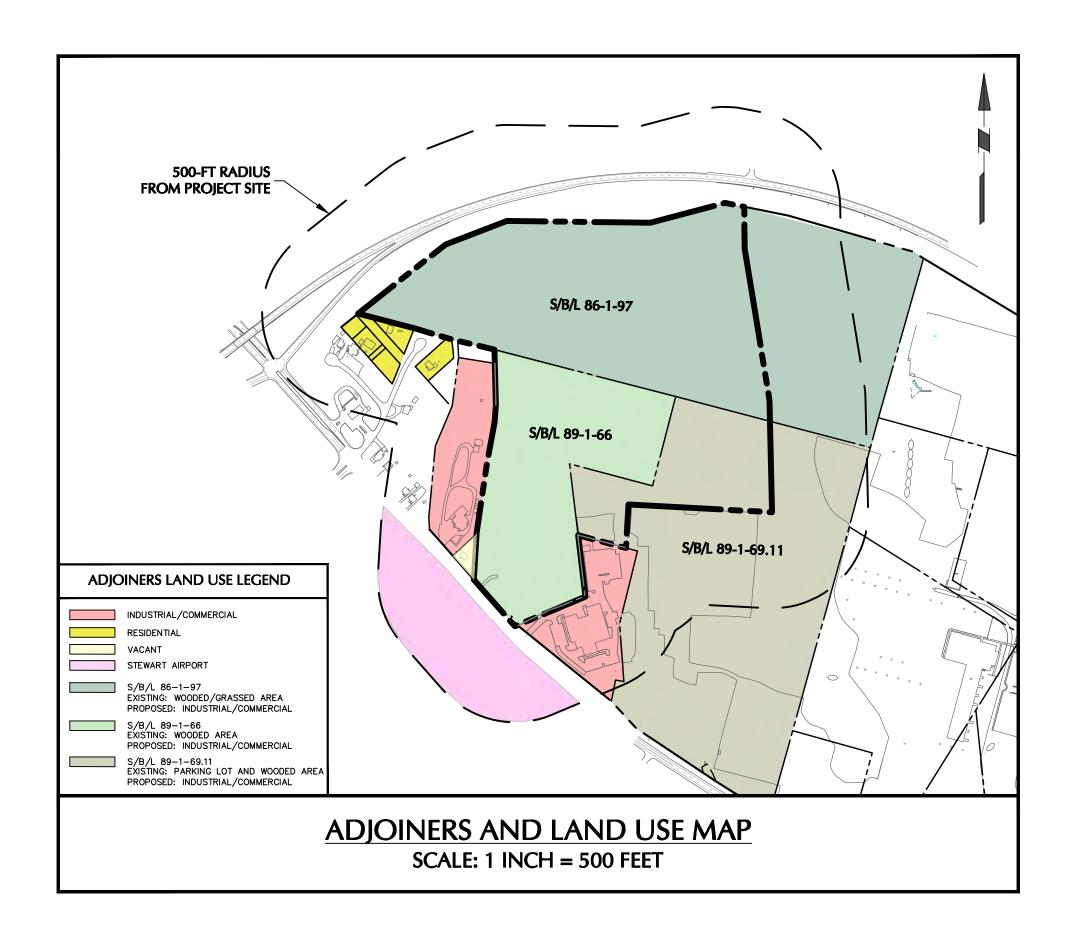
Prepared by: Megan Tennermann, AICP, Planner

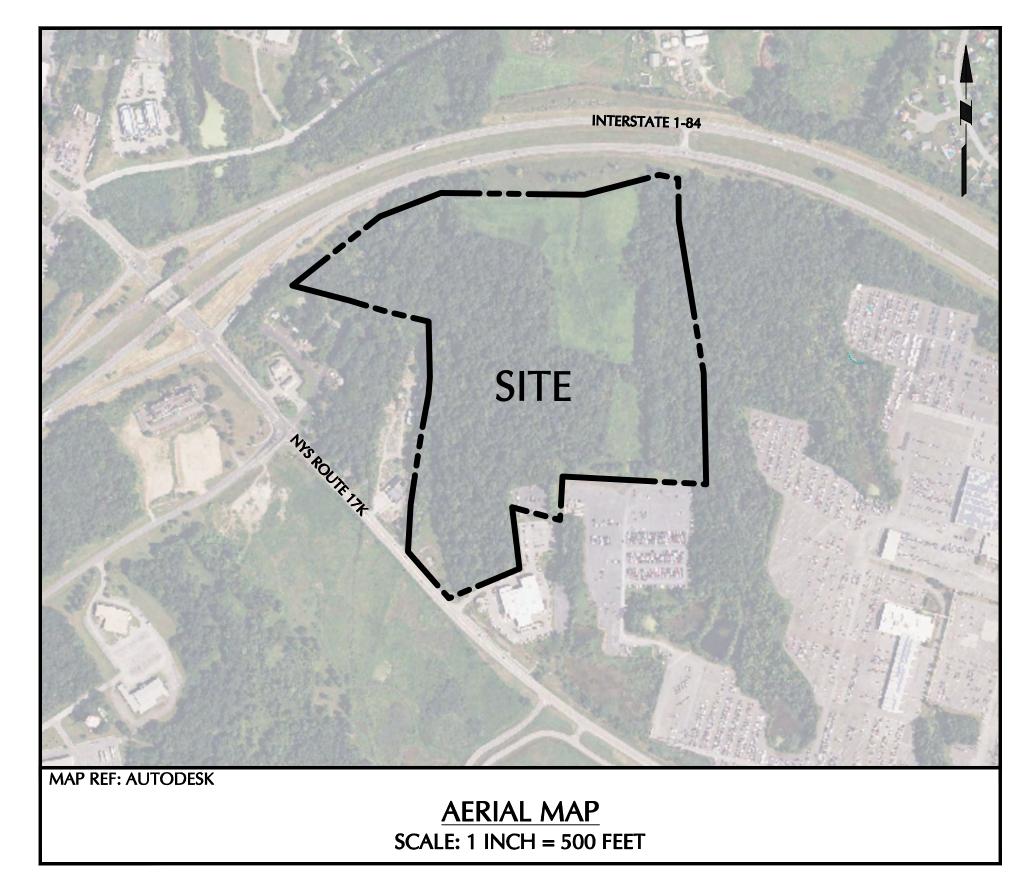
Alan J. Sorensen, AICP Commissioner of Planning

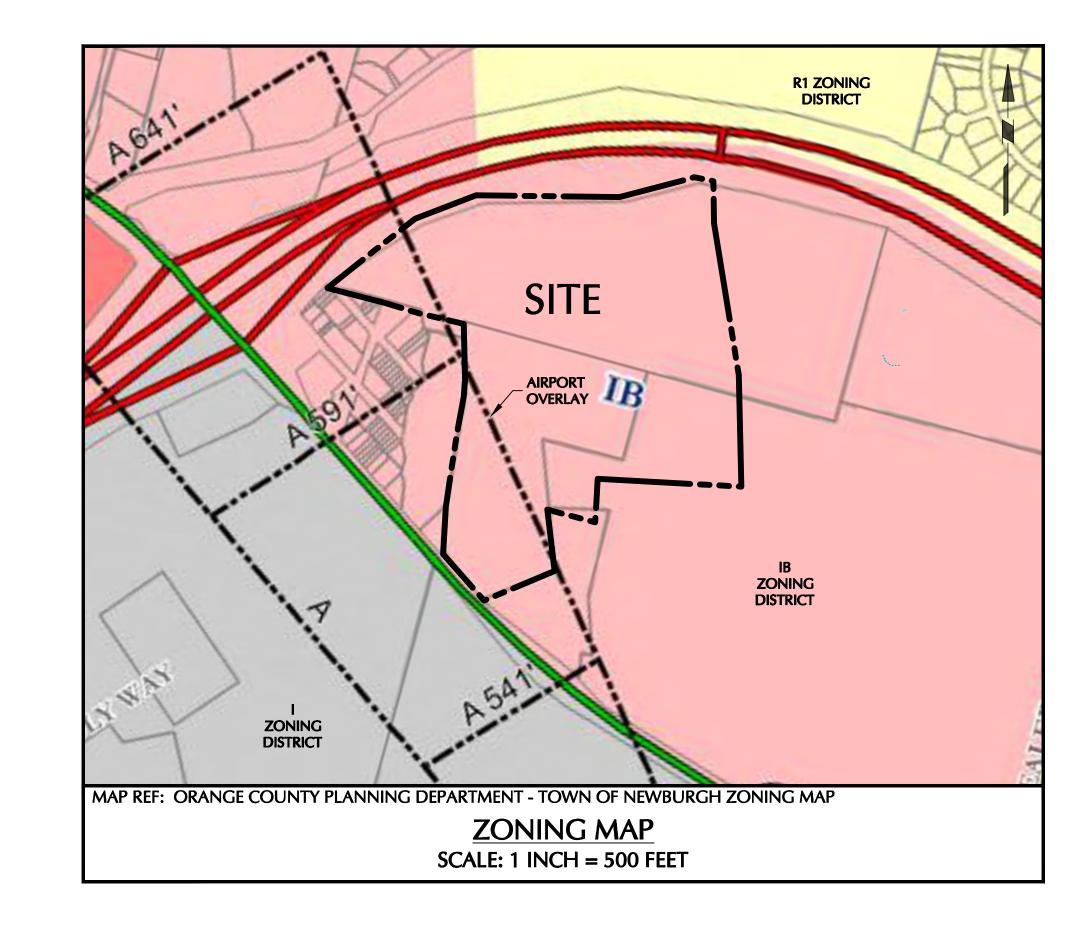
As per NYS General Municipal Law 239-m & n, within 30 days of municipal final action on the above referred project, the referring board must file a report of the final action taken with the County Planning Department. For such filing, please use the final action report form attached to this review or available on-line at www.orangecountygov.com/planning.

SITE PLAN APPROVAL DOCUMENTS FOR MATRIX I-84 DISTRIBUTION CENTER

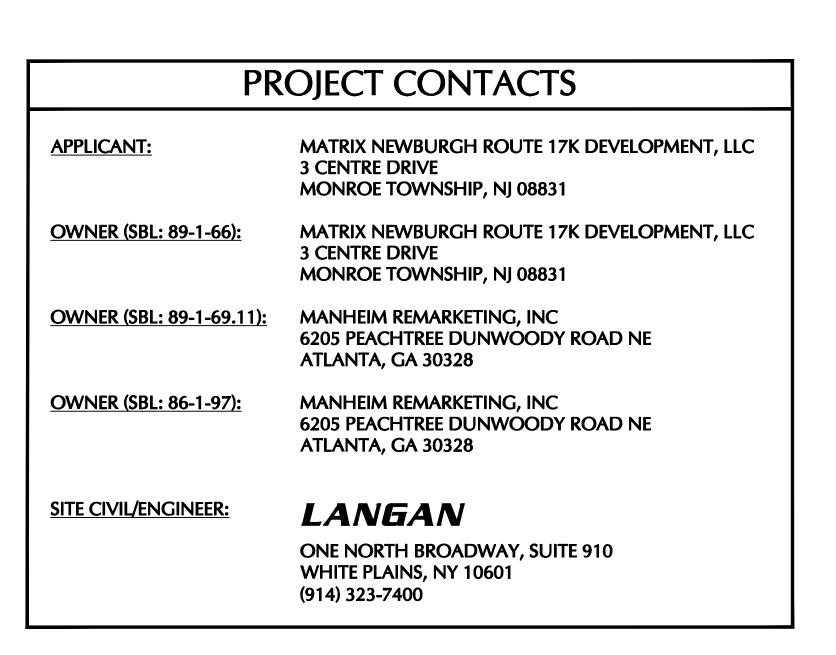
TOWN OF NEWBURGH ORANGE COUNTY, NEW YORK SECTION 89, BLOCK 1, LOTS 66 AND 69.11; SECTION 86, BLOCK 1, LOT 97 PLANNING BOARD PROJECT No: 2022-29







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

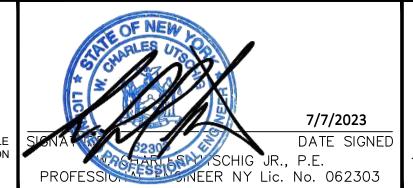


TOWN OF NEWBURGH APPROVAL BOX **TOWN PROJECT # 2022-29** PLANNING BOARD CHAIRPERSON JOHN P. EWASUTYN

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

Description

Revisions



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

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

NEW YORK

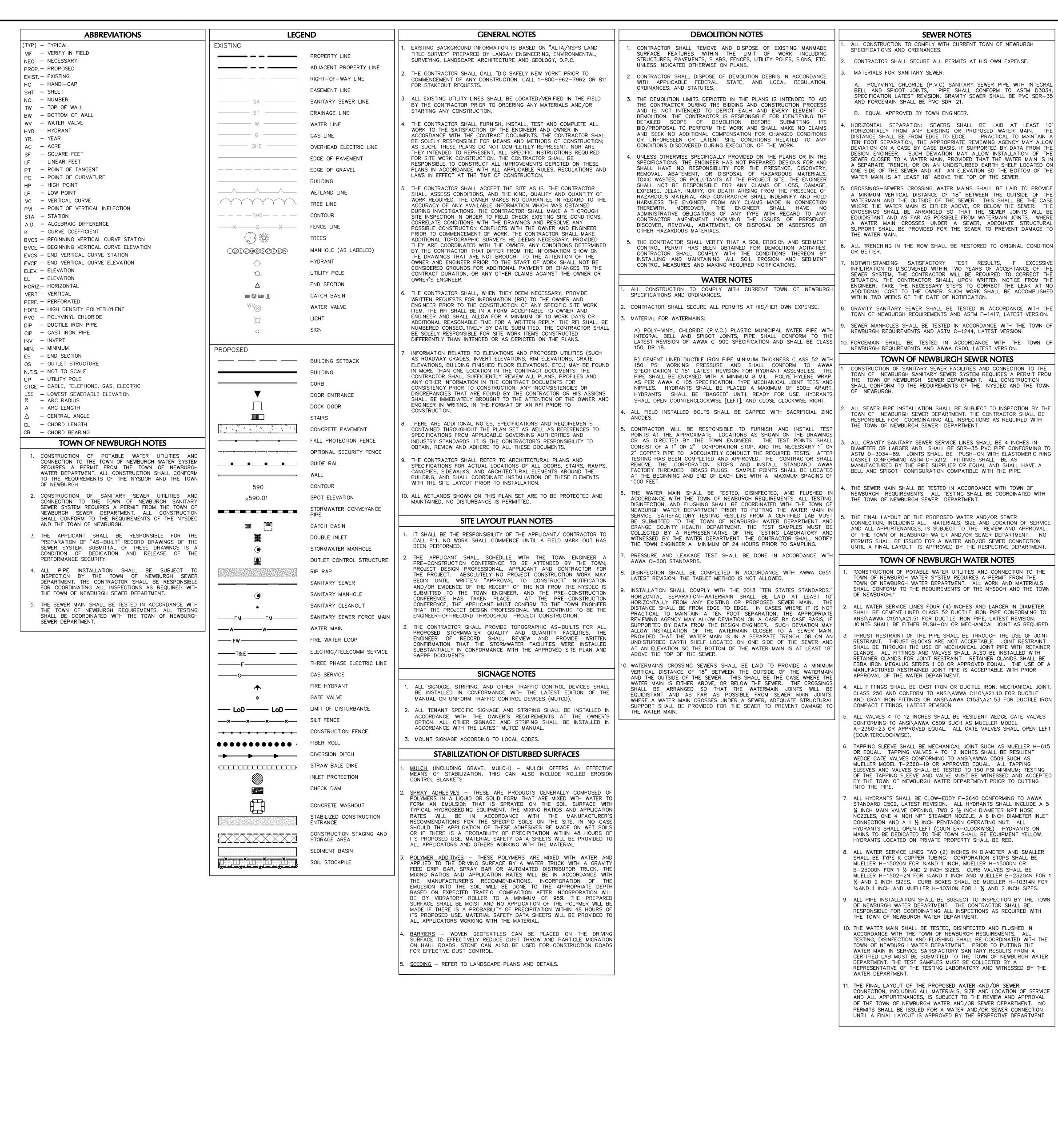
ORANGE COUNTY

COVER SHEET

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

EROSION & SEDIMENT CONTROL NOTES

ADDITIONAL REQUIREMENTS.

REFER TO THE SPDES GENERAL PERMIT COMPLIANCE NOTES FOR | 1

ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE IN STRICT

PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, ALL EROSION AND

FOR EROSION AND SEDIMENT CONTROL", LATEST REVISIONS.

COMPLIANCE WITH "NEW YORK STATE STANDARDS AND SPECIFICATIONS

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

CONSTRUCTION SEQUENCING NOTES

FLAG THE DISTURBANCE LIMITS PRIOR TO THE COMMENCEMENT

INSTALL PERIMETER SILT FENCE AND TREE PROTECTION MEASURES AS

CLEARING AND GRUBBING ACTIVITIES SHALL BE LIMITED TO A MAXIMUM

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

A GREATER AMOUNT FROM THE TOWN OF NEWBURGH. STABILIZE

CONCURRENTLY WITH THE CLEARING ACTIVITIES SUCH THAT NO MORE

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

STABILIZE THE CLEARED AREA. CHIPPING TREES AND STUMP GRINDINGS

GENERATED AS PART OF THE CLEARING OPERATIONS WILL ALSO BE USED

INSPECT ALL EROSION CONTROL MEASURES DURING CLEARING AND

THE CONTRACTOR SHALL DEMARCATE THE DISTURBANCE LIMITS PRIOR TO

INSTALL TEMPORARY DIVERSION MEASURES TO ENSURE TH

THE TEMPORARY SEDIMENT BASINS SHALL BE GRADED TO THE TOP

THE GRAVEL LAYER IN THE BIORETENTION PRACTICES AND GRADED

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

DEWATERING DEVICES AND OUTLET CONTROL STRUCTURES WITH

DEWATERING RISER IN ACCORDANCE WITH THE PROJECT PLANS. COVER

THE PRIMARY INLET OF THE OUTLET CONTROL STRUCTURE WITH AMOCO

TYPE 4545 OR APPROVED EQUAL CONSTRUCTION FABRIC TO PREVENT

THE EARTHWORK OPERATIONS WILL GENERALLY PROCEED AS SHOWN ON

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

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

ANY TEMPORARY OR TOPSOIL STOCKPILES SHALL BE PROTECTED FROM

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

CONDITIONS WARRANT. (REFER TO PROJECT DETAILS FOR ADDITIONAL

TO MINIMIZE UNNECESSARY DISTURBANCES, EXCAVATION AND FILL AREAS

SHALL BE MANAGED TO ENABLE THE INSTALLATION OF UTILITIES AS THE

THE DISTURBED AREAS SHALL BE ACTIVELY STABILIZED AS WORK

REPEAT THE ABOVE PROCESS FOR EACH OF THE PHASES UNTIL THE

THE TEMPORARY SEDIMENT BASINS SHALL REMAIN IN PLACE UNTIL ALL

SOIL DISTURBANCE ACTIVITIES THAT CONTRIBUTE TO THE TEMPORARY

THE PERMANENT STORMWATER MANAGEMENT PRACTICES SHALL NOT BE

COMPLETED UNTIL ALL OF THE CONTRIBUTING AREAS TO THE PRACTICES

PREPARE PAVEMENT SUBGRADE AND INSTALL SUBBASE MATERIAL. INLET

PROTECTION MEASURES MAY BE REMOVED TEMPORARILY DURING THIS

INSTALL PROPOSED CURBING AND BINDER COURSE. INLET PROTECTION

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

MATERIAL. INLET PROTECTION MEASURES SHALL BE REPLACED ONCE THE

FINISH GRADING AND STABILIZE ALL DISTURBED AREAS. ALL CATCH

BASINS, DRAINAGE MANHOLES, AND DRAINAGE LINES SHALL BE CLEANED

REMOVE ALL ACCUMULATED SEDIMENT WITHIN THE TEMPORARY SEDIMENT

BASINS. REMOVE THE TEMPORARY PERFORATED RISERS AND

FINALIZE CONSTRUCTION OF THE BIORETENTION AREAS AND STORMWATER

PLACE PAVEMENT TOP COURSE AND PAVEMENT MARKINGS, AS

REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES.

ESTABLISH PERMANENT VEGETATIVE COVER AND INSTALL ALL

OCCUR. THE ENTIRE DISTURBANCE AREA WILL BE CLEARED INITIALLY FOR

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

APPROPRIATE STABILIZATION MEASURES WHILE CONSTRUCTION IS OCCURRING IN

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

CHIPS OVER THE DISTURBED AREAS ONCE CONSTRUCTION WITHIN THOSE

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

IMMEDIATELY STABILIZE THE AREAS DISTURBED DURING THEIR REMOVAL.

INSTALL ALL PLANTINGS IN ACCORDANCE WITH THE PROJECT PLANS.

CONSTRUCTION FABRIC FROM OUTLET CONTROL STRUCTURES.

PONDS UPON COMPLETION OF CONSTRUCTION ACTIVITIES.

MEASURES MAY BE REMOVED TEMPORARILY DURING THIS OPERATION, BUT

THE SUBBASE MATERIAL. INLET PROTECTION MEASURES SHALL BE

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

REPLACED ONCE THE SUBBASE MATERIAL HAS BEEN INSTALLED.

REQUIRING FILL AS LONG AS THE OVERALL TOTAL DISTURBANCE BETWEEN

STORMWATER RUNOFF IS CONVEYED TO THE TEMPORARY SEDIMENT

BASINS. TEMPORARY DIVERSION MEASURES SHALL BE LOCATED IN A

MANNER THAT WILL ENSURE THAT THE TRIBUTARY AREA TO EACH

THE COMMENCEMENT OF CONSTRUCTION OF EACH PHASE.

DIVERSION MEASURE SHALL NOT EXCEED 5-ACRES.

FINES FROM ENTERING THE STORMWATER DISCHARGES.

THE PHASES DOES NOT EXCEED 20 ACRES.

FILL PROGRESSES, WHEREVER POSSIBLE.

NECESSARY FILL MATERIAL HAS BEEN OBTAINED.

SEDIMENT BASINS HAVE BEEN COMPLETED.

HAVE BEEN CONSTRUCTED AND STABILIZED.

BINDER COURSE HAS BEEN INSTALLED.

LANDSCAPING.

OF ANY ACCUMULATED SILT AND SEDIMENT.

BULK GRADING OPERATIONS SHALL OCCUR FIRST.

INFORMATION.)

GRUBBING ACTIVITIES. REPAIR ANY DAMAGED EROSION CONTROL

CHIPS AND/OR SPRAY MULCH SHALL BE USED TO TEMPORARILY

CLEARING AND GRUBBING ACTIVITIES

CLEARING AND GRUBBING ACTIVITIES.

SHOWN ON THE PROJECT PLANS.

TO PRODUCE WOOD CHIPS.

MEASURES UPON DISCOVERY.

SPDES GENERAL PERMIT COMPLIANCE NOTES

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

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

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

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

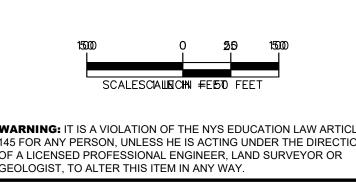
ACKNOWLEDGEMENT SHALL BE MAINTAINED AT THE SITE IN THE LOG BOOK.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH TH

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

PLANNING BOARD CHAIRPERSON JOHN P. EWASUTYN

Description Revisions







White Plains, NY 10601

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

NEW YORK

ORANGE COUNTY

LEGENDS & NOTES

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

Date: 7/7/2023 Time: 11:29 User: ascariano Style Table: Langan.stb Layout: CS002 Document Code: 190063302-0501-CS002-010

AGGRESSIVELY FRACTURING IT BEFORE THE PROTECTED TOPSOIL IS

DECOMPACT, SIMULTANEOUSLY THROUGH THE RESTORED TOPSOIL LAYER

REAPPLIED ON THE SITE.

AND UPPER HALF OF THE AFFECTED SUBSOIL.

CS002

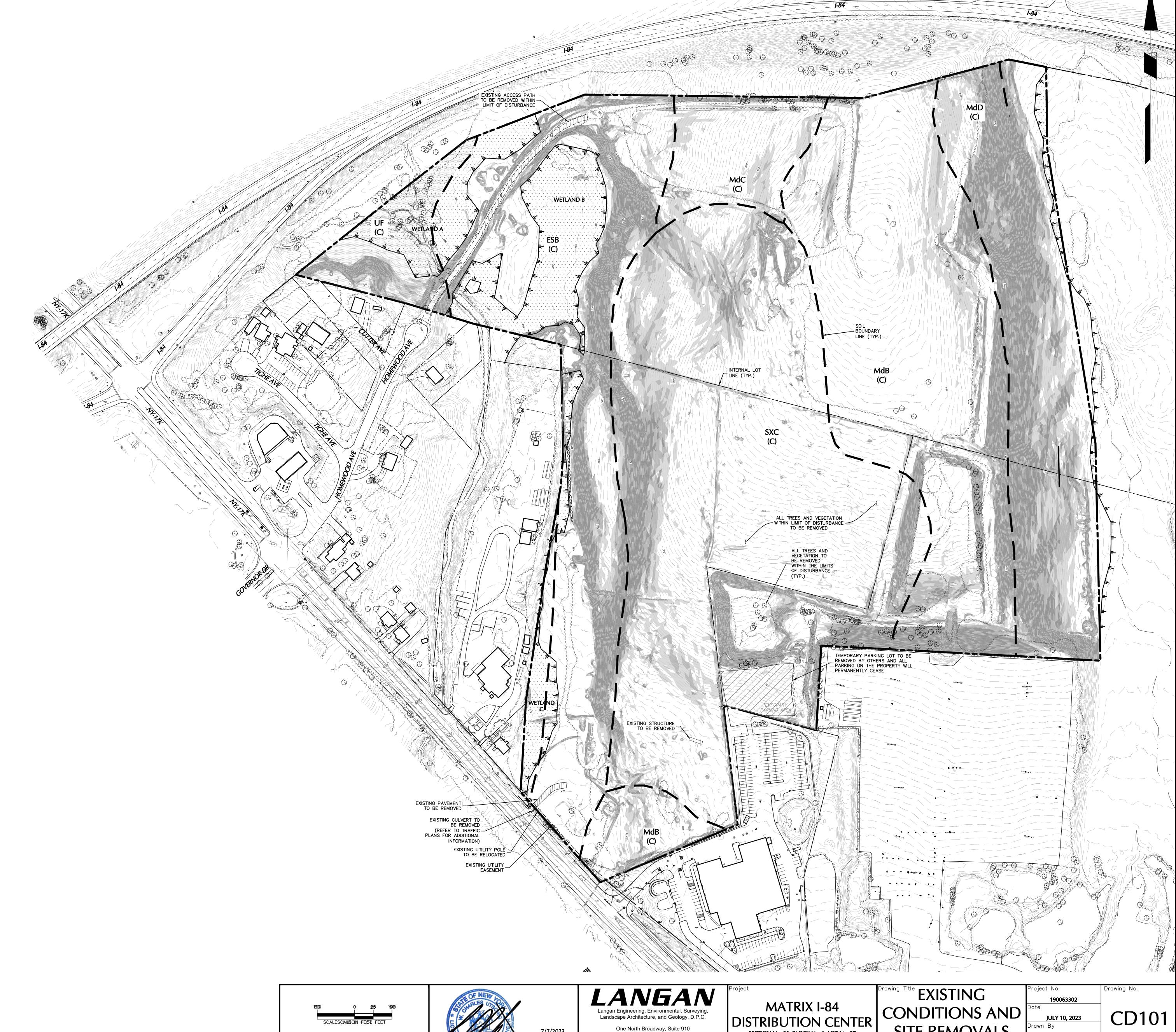
REFERENCE NOTES

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

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

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

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



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

PLANNING BOARD CHAIRPERSON JOHN P. EWASUTYN

Description WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE Revisions

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

7/7/2023

SECTION No. 86, BLOCK No. 1, LOT No. 97 SECTION No. 89, BLOCK No. 1, LOT No. 66 and 69.11 White Plains, NY 10601 T: 914.323.7400 F: 914.323.7401 www.langan.com TOWN OF NEWBURGH

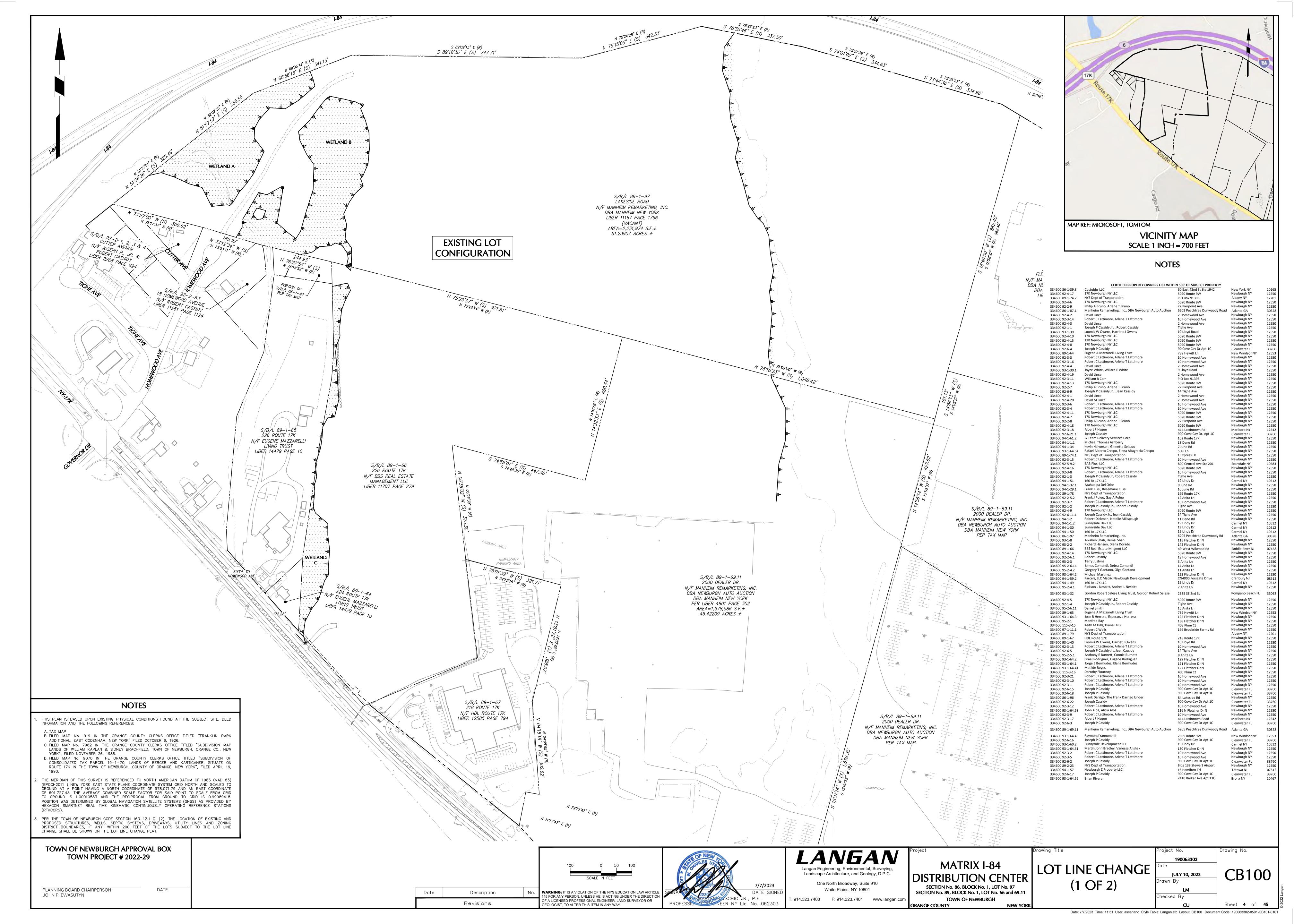
ORANGE COUNTY

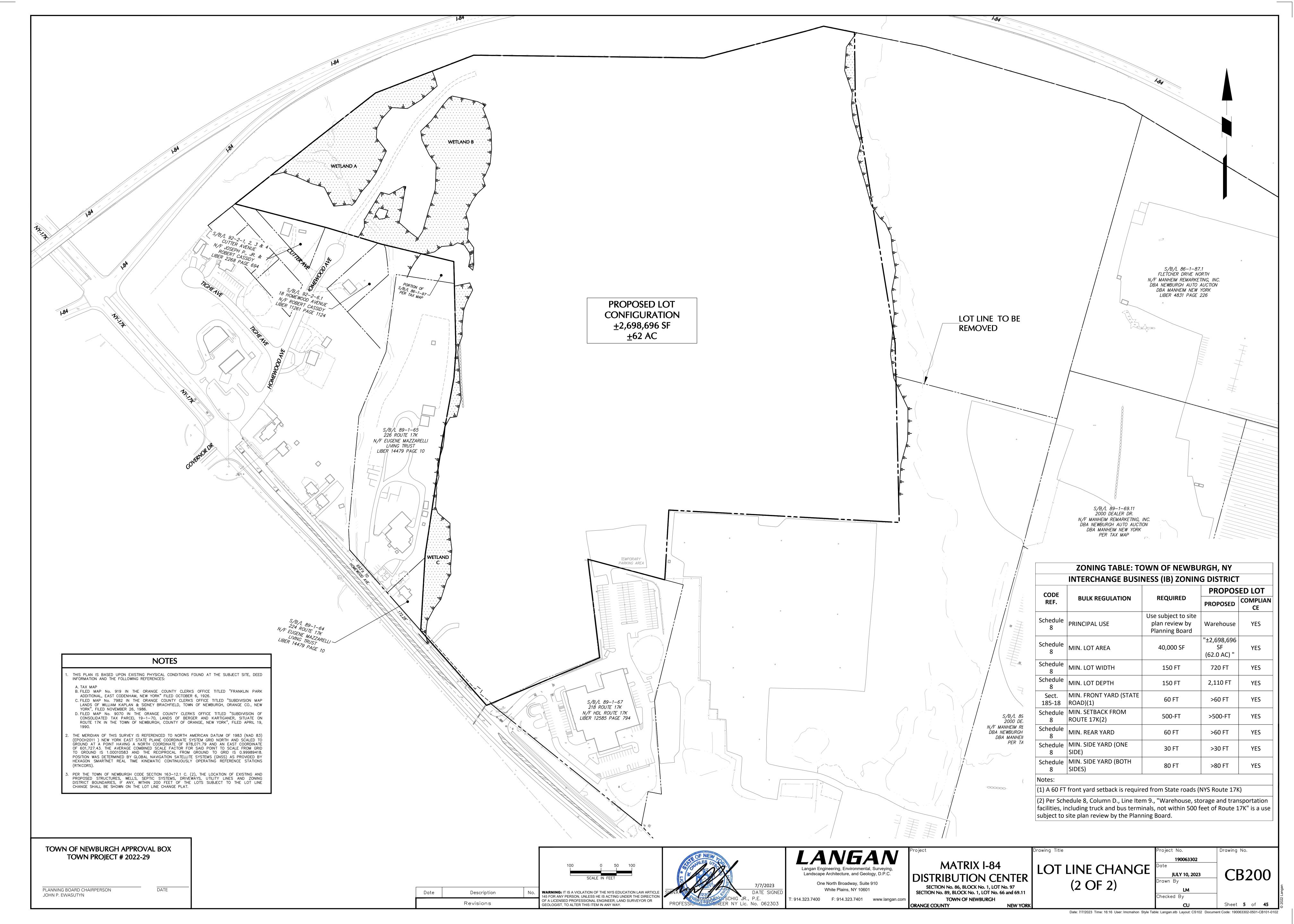
SITE REMOVALS PLAN

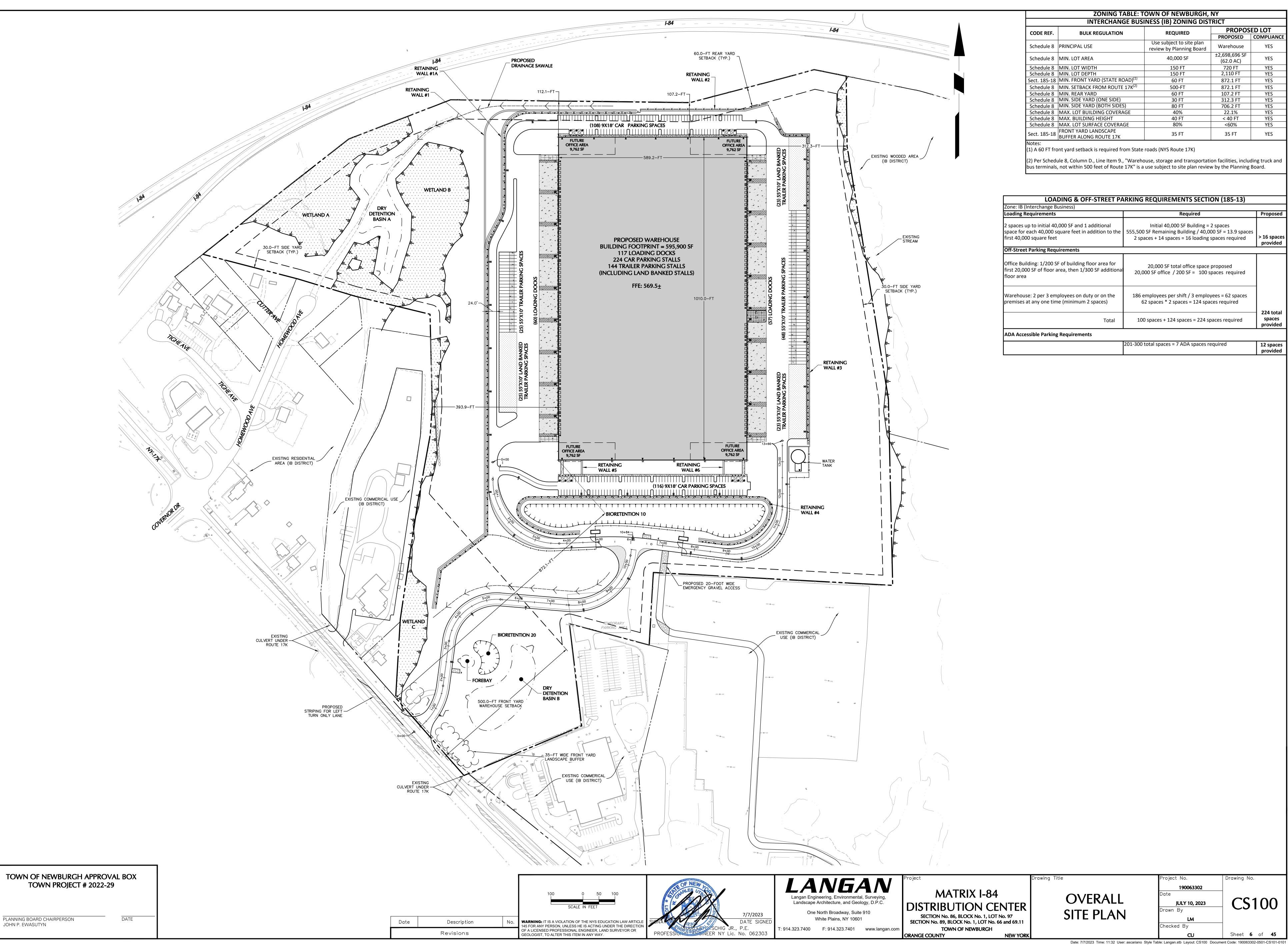
NEW YORK

Checked By

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

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

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

| 3.9 spaces auired > 16 space |
|---|
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| quired > 16 space provided |
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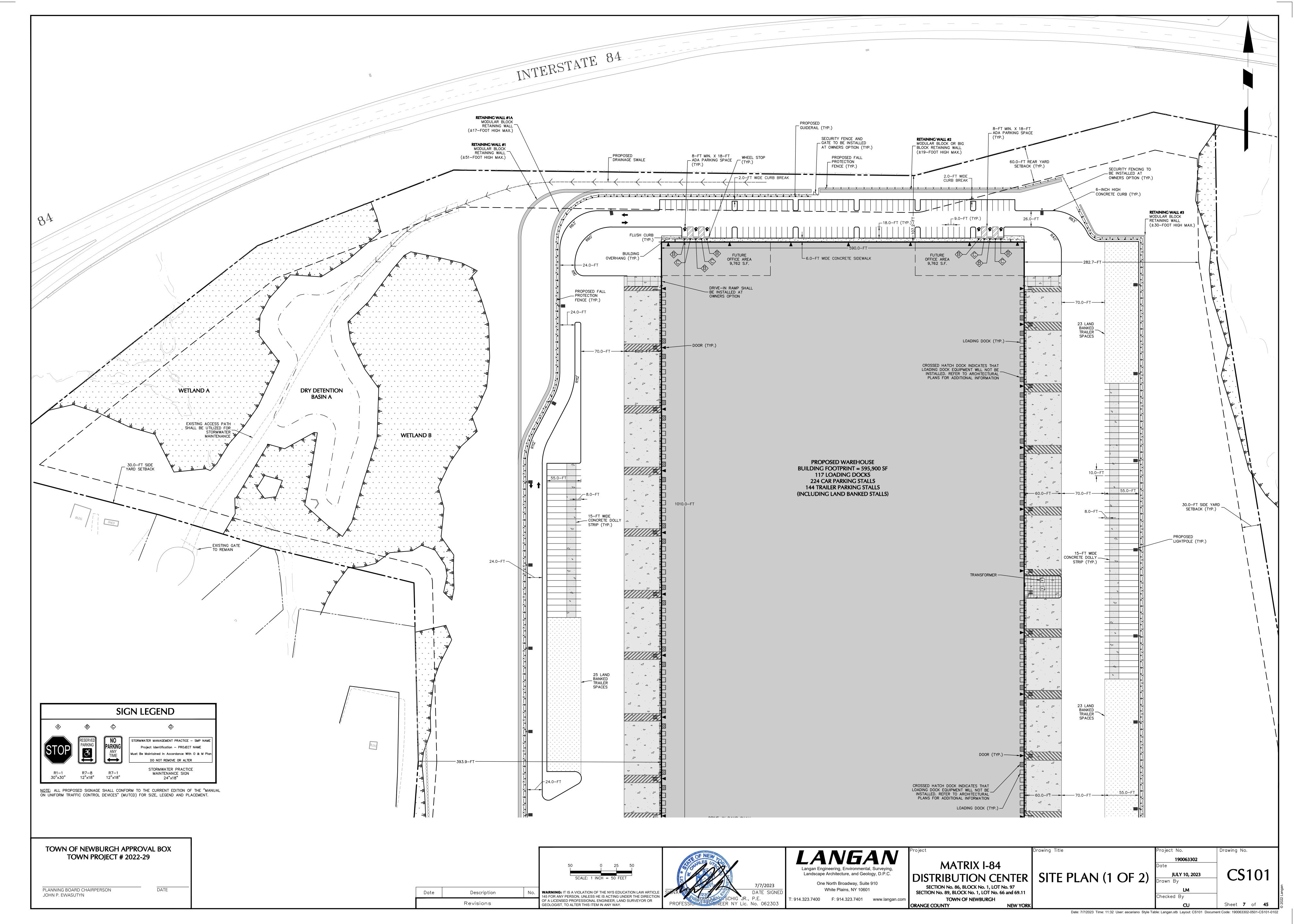
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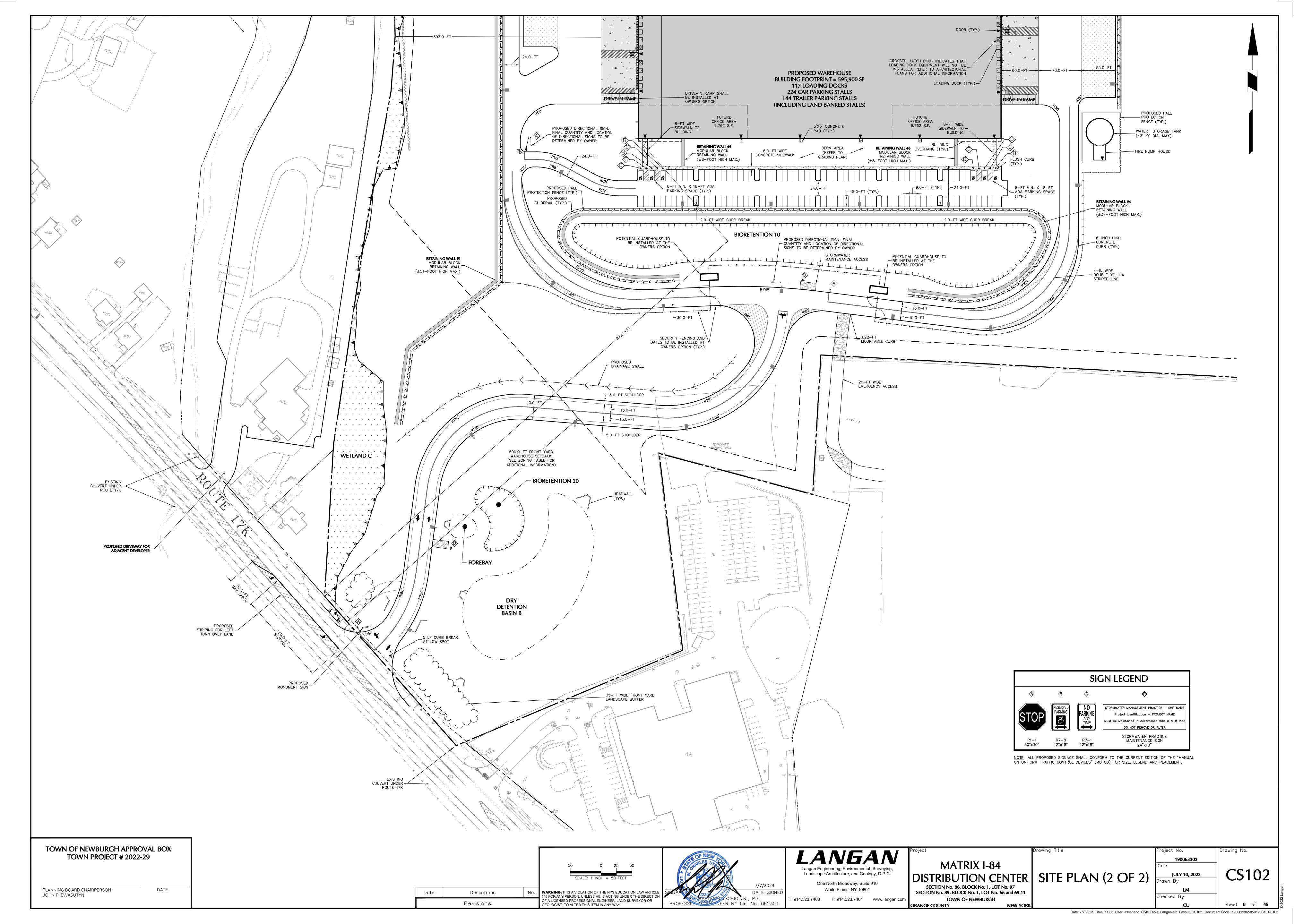
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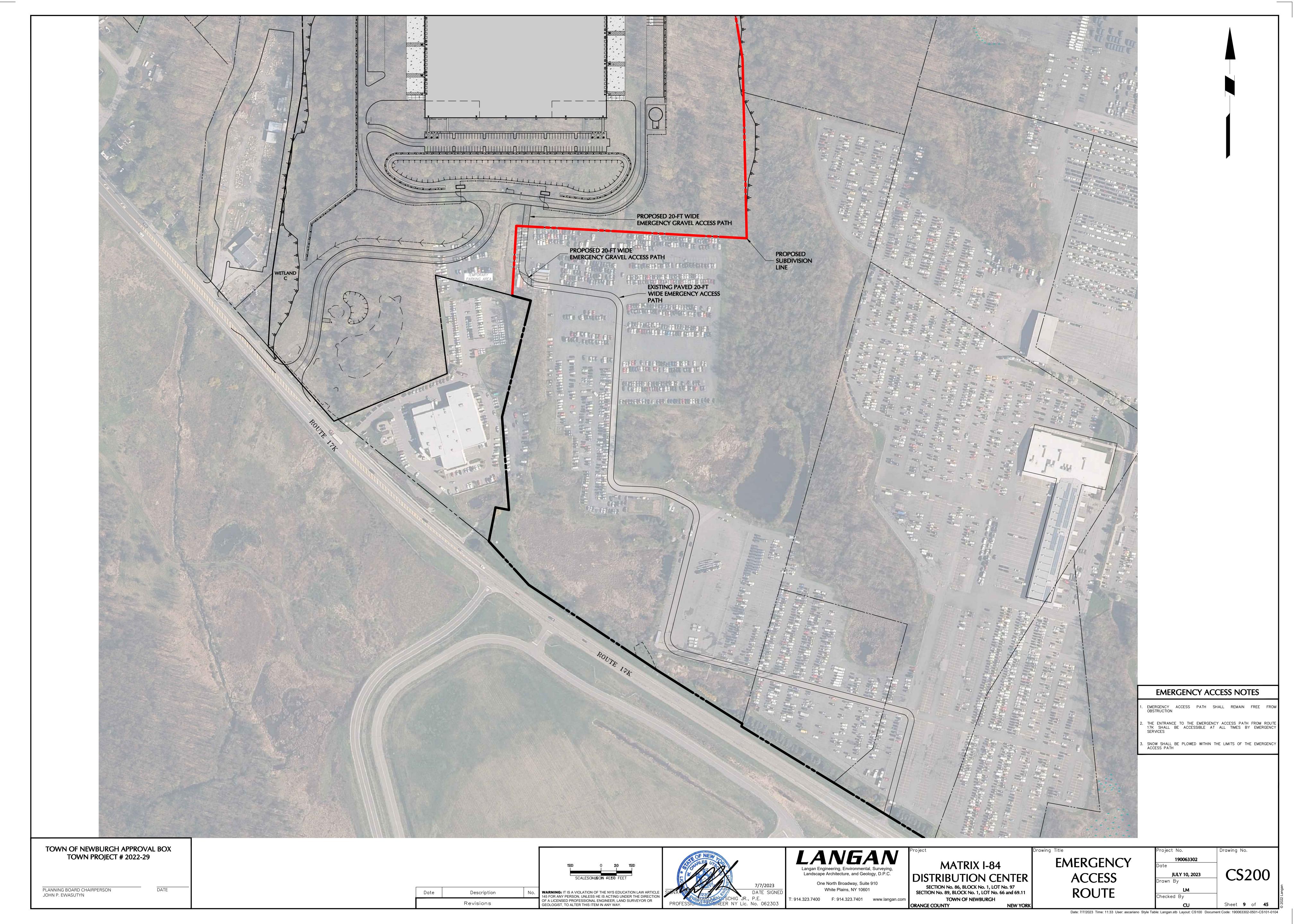
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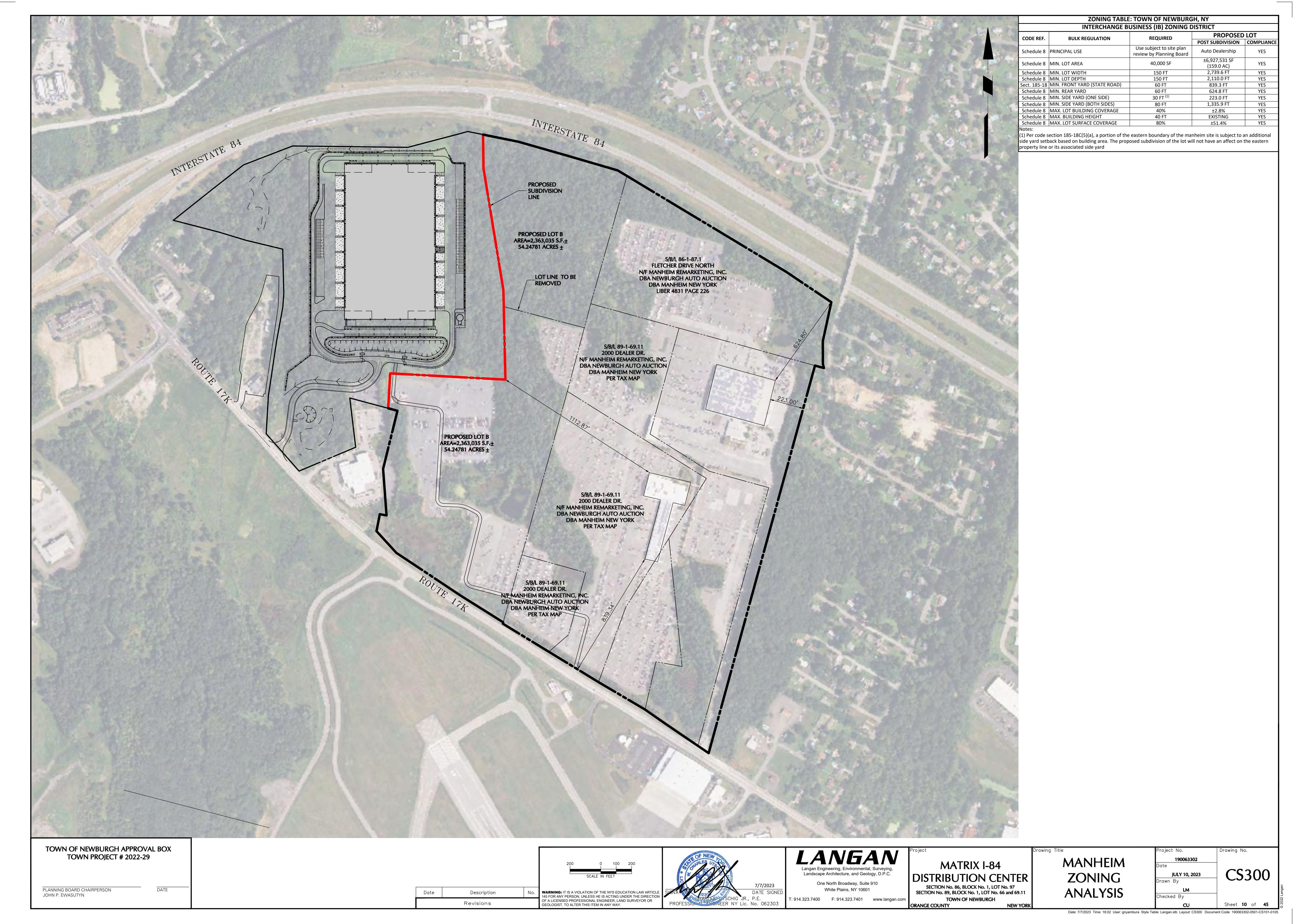
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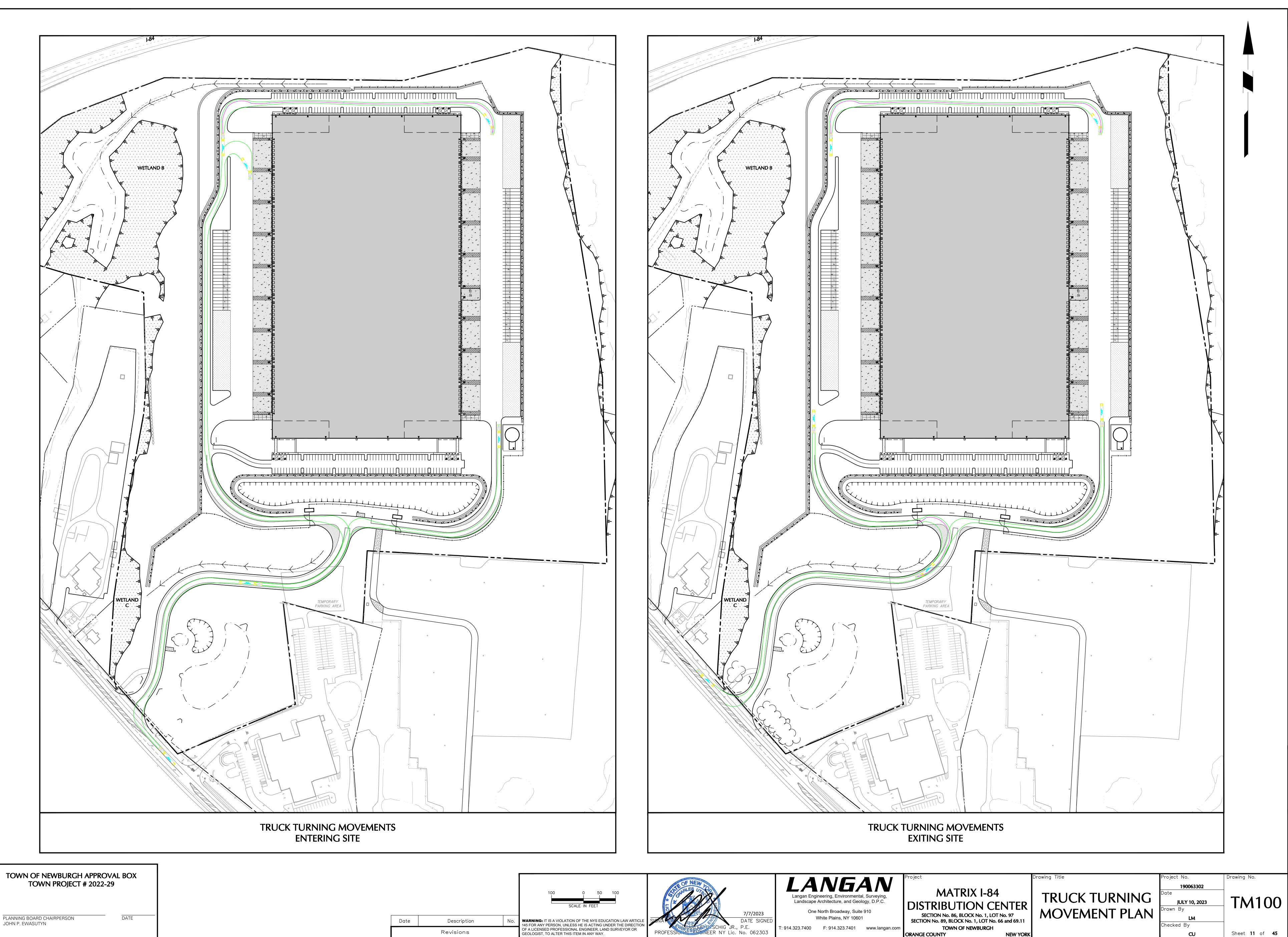
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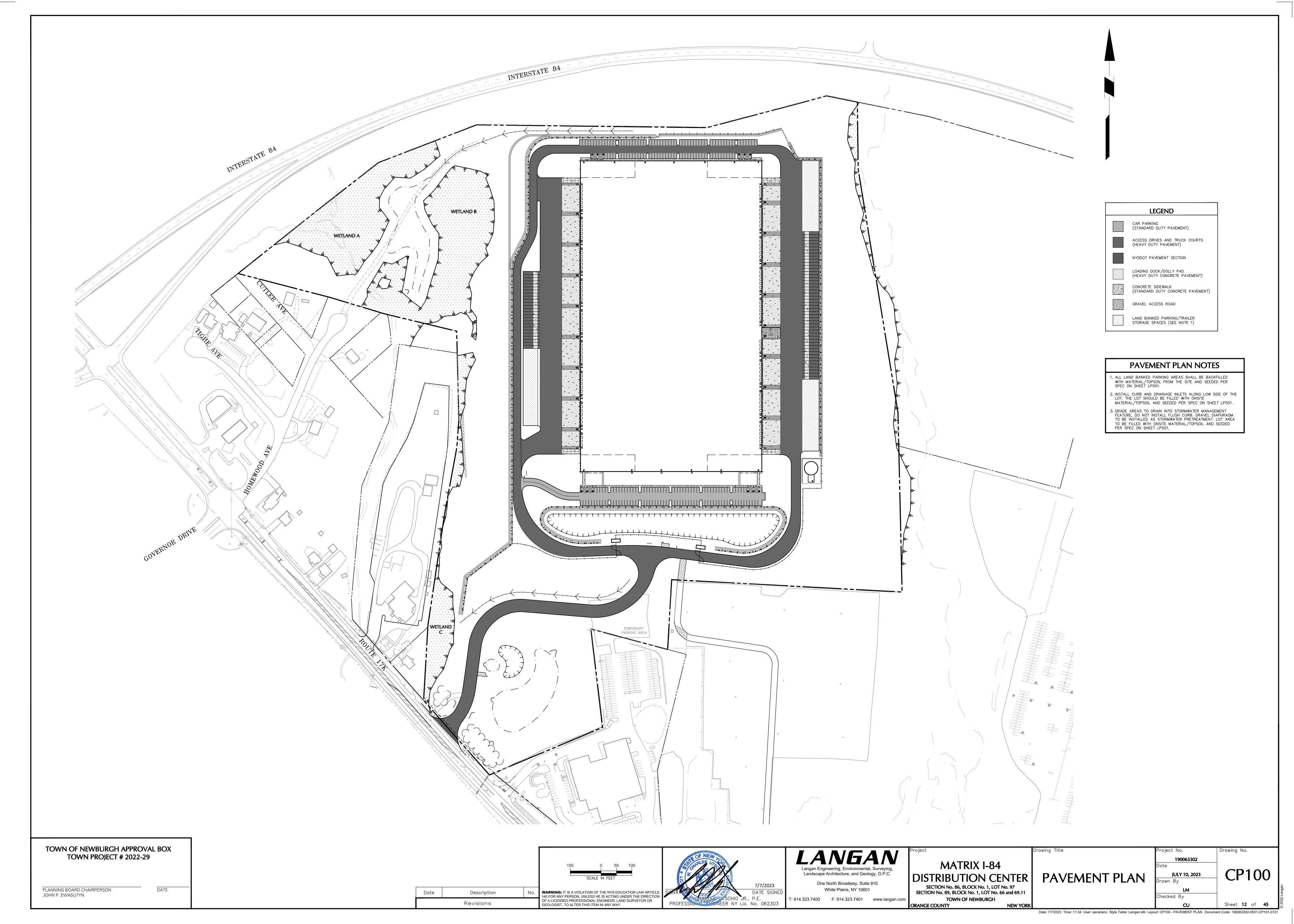


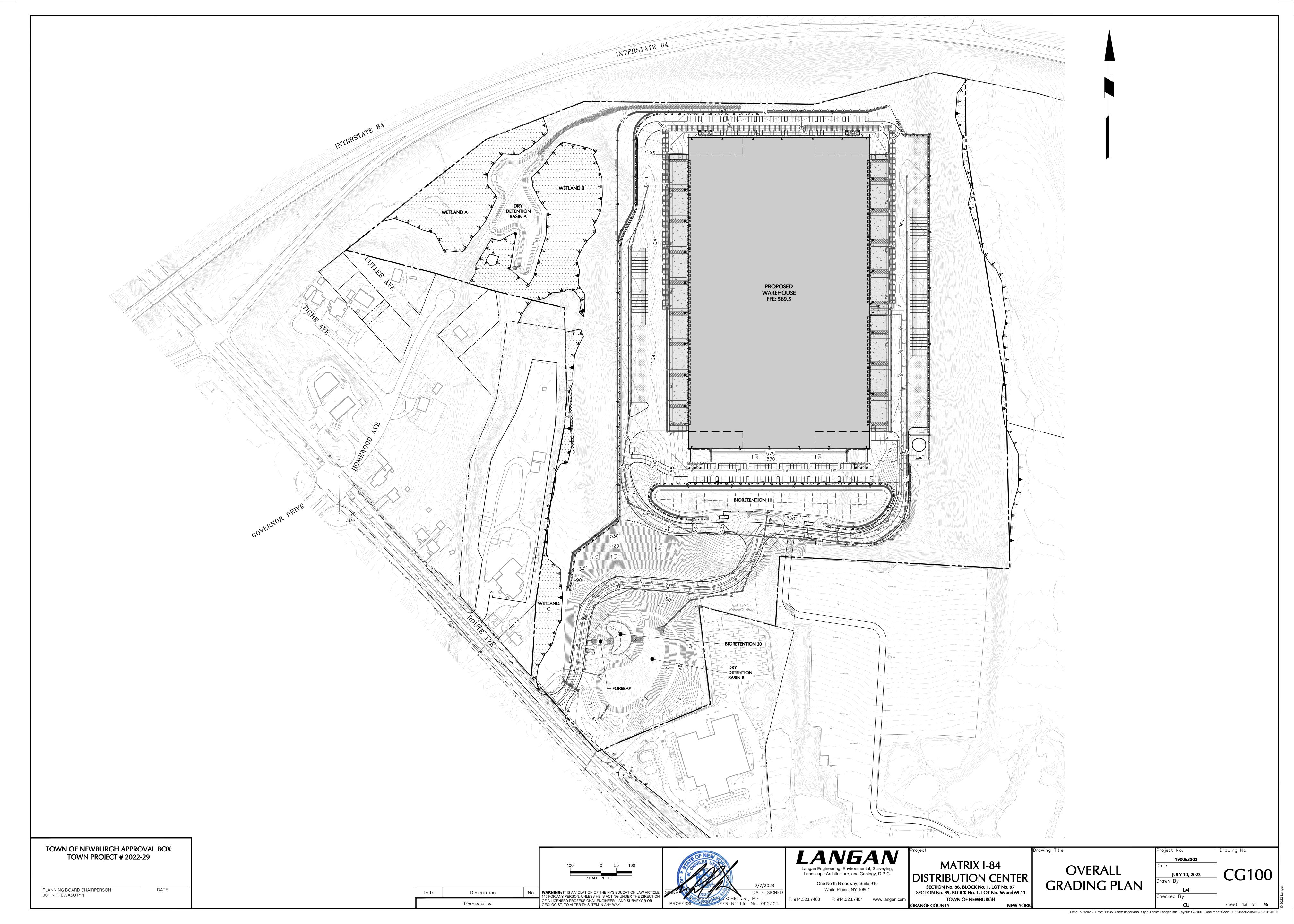


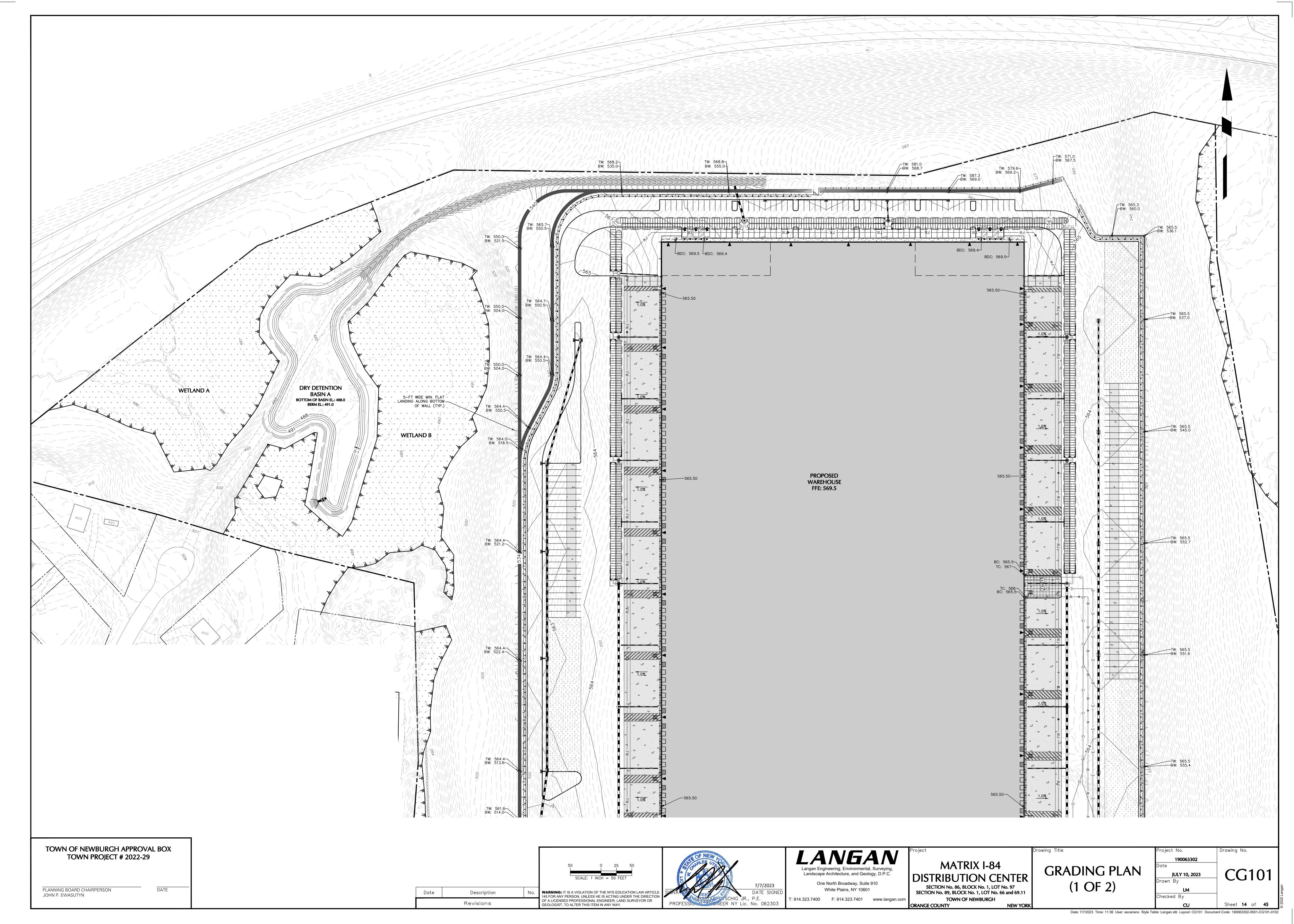


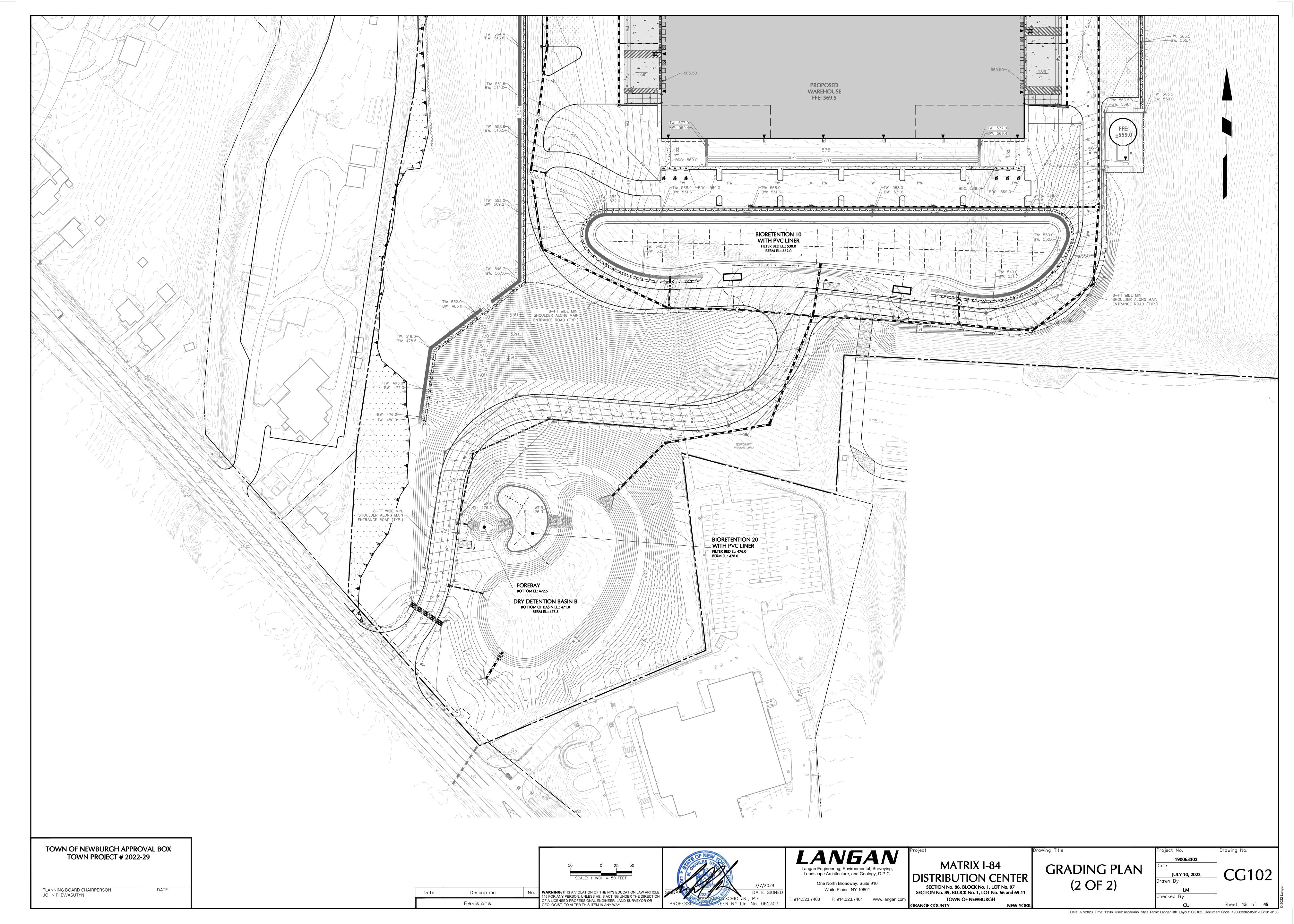


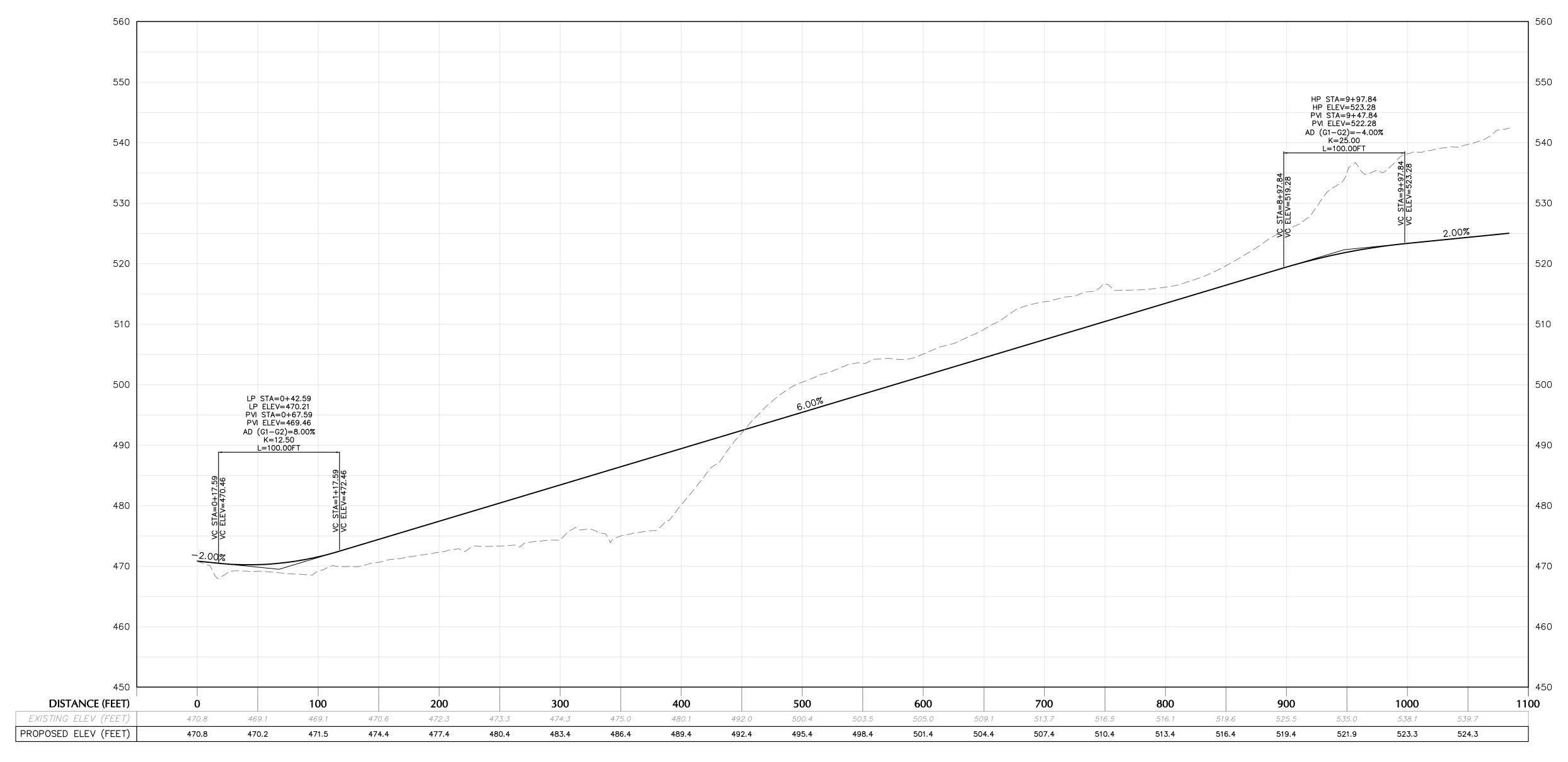
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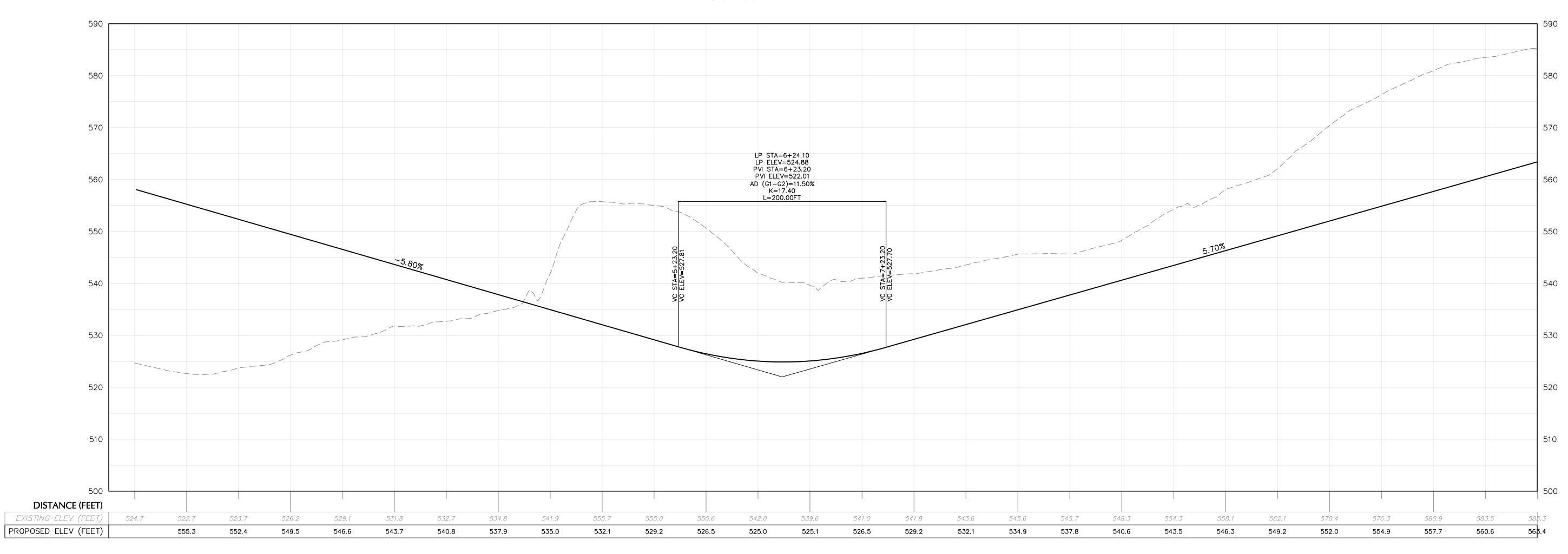








ENTRANCE ROAD PROFILE SCALE: H: 1"=50' V: 1'=10'



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

TOWN OF NEWBURGH APPROVAL BOX TOWN PROJECT # 2022-29

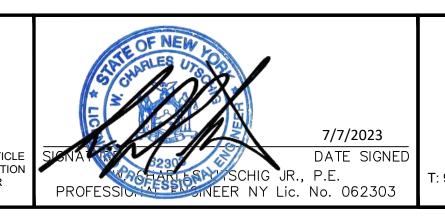
PLANNING BOARD CHAIRPERSON DATE JOHN P. EWASUTYN

Date Description No.

Revisions

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SCALE IN FEET

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Langan Engineering, Environmental, Surveying,
Landscape Architecture, and Geology, D.P.C.

One North Broadway, Suite 910
White Plains, NY 10601

T: 914.323.7400 F: 914.323.7401 www.langan.com

Project

MATRIX

DISTRIBUTIO

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

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

ROADWAY PROFILE Project No.

190063302

Date

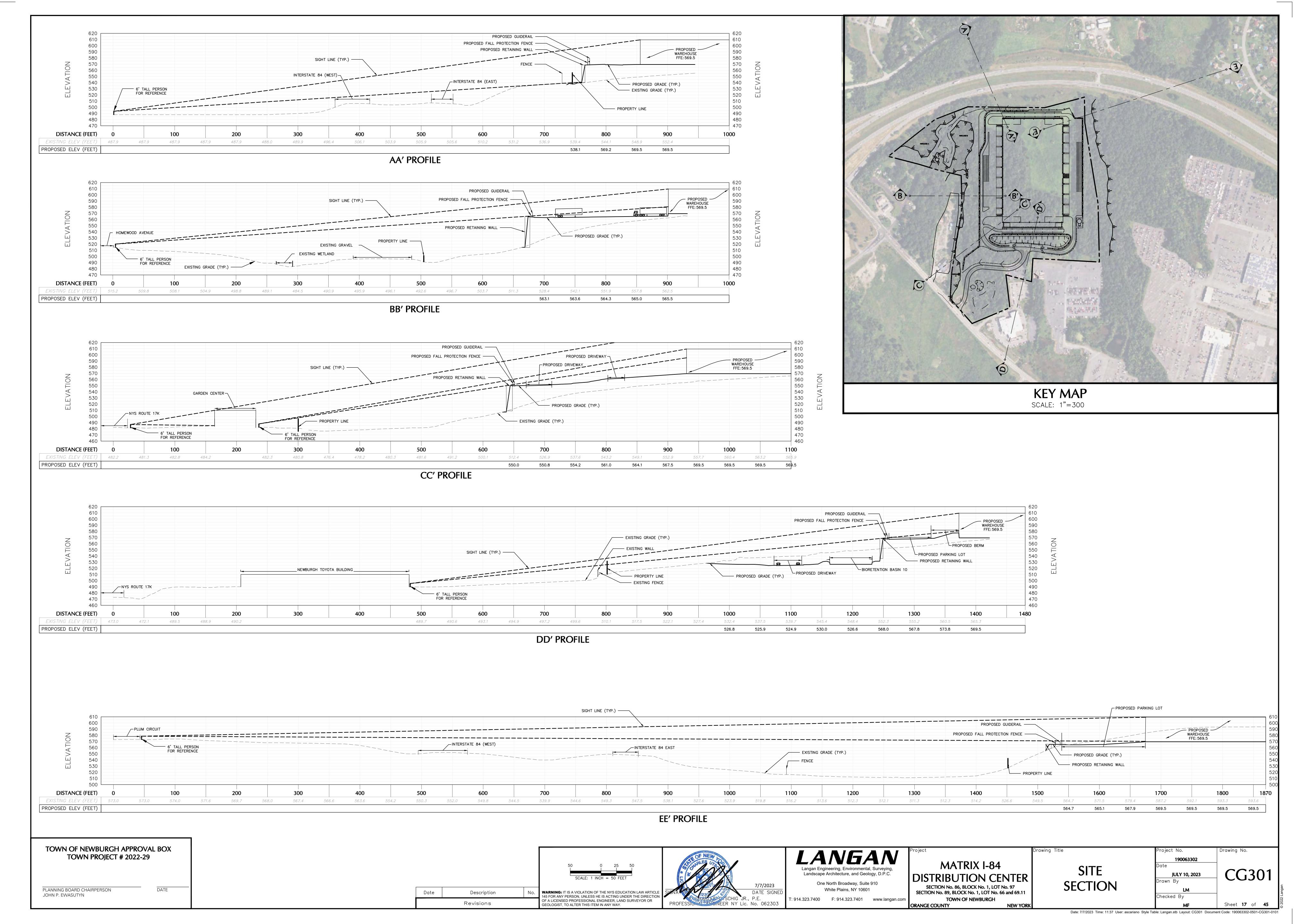
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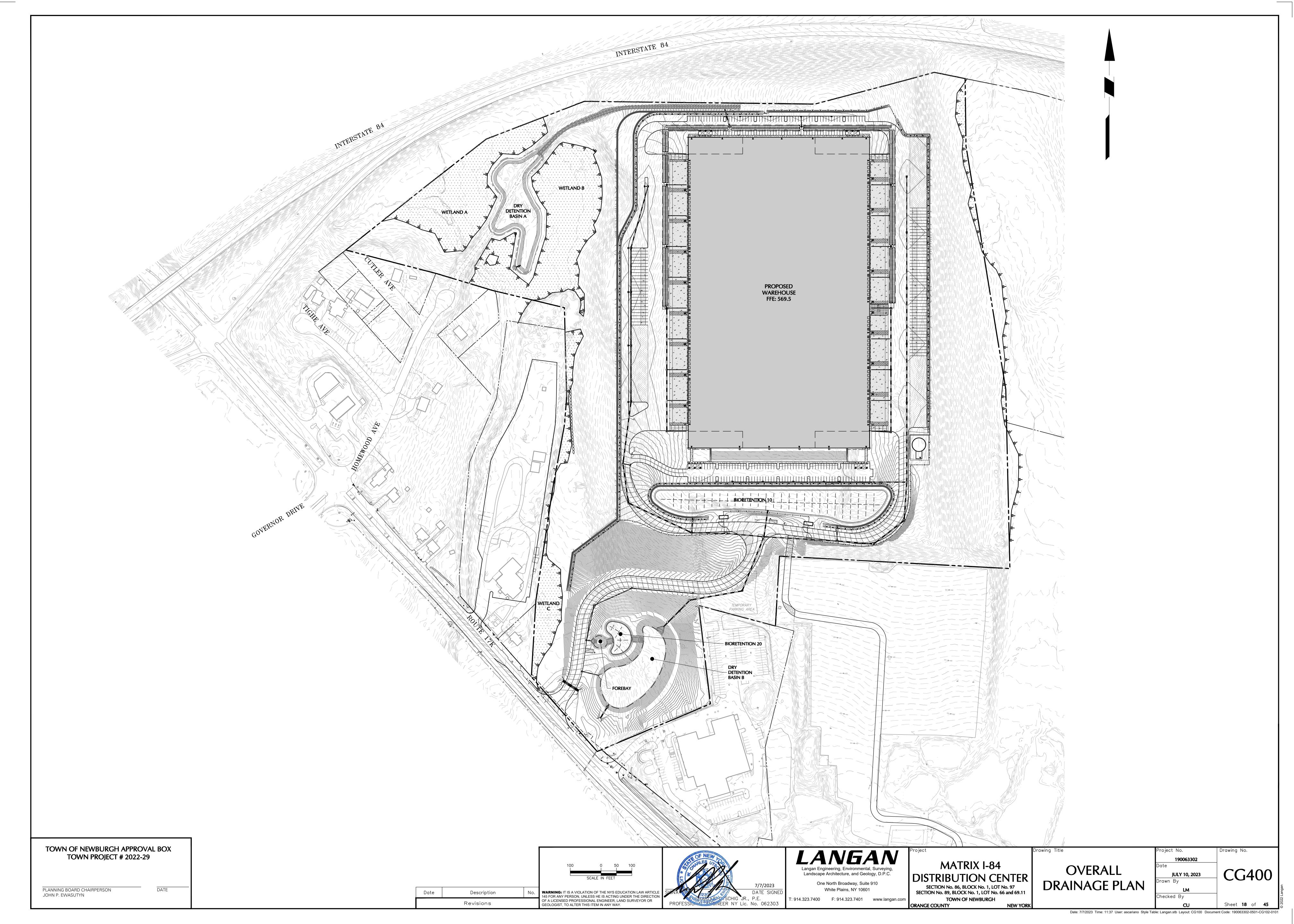
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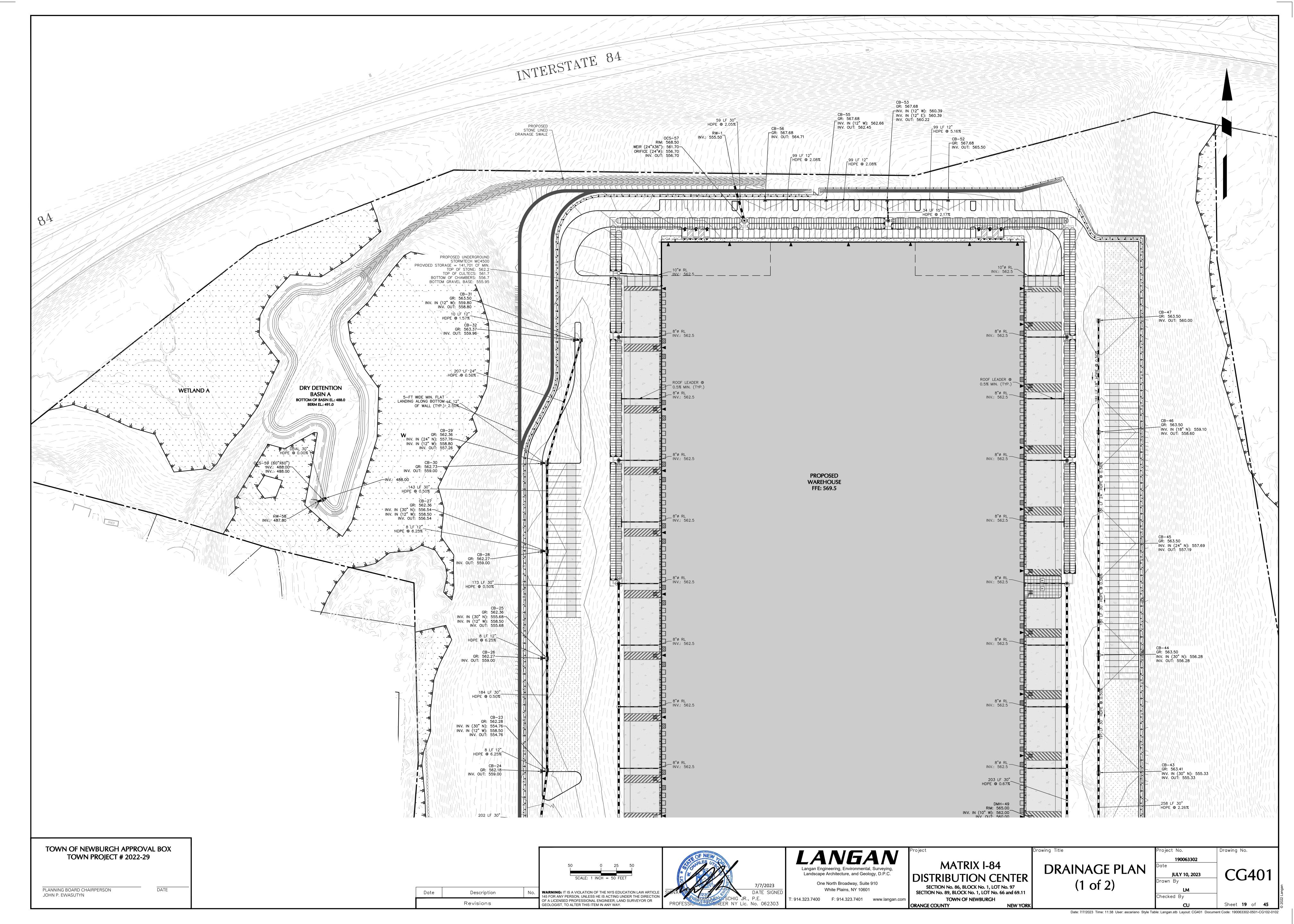
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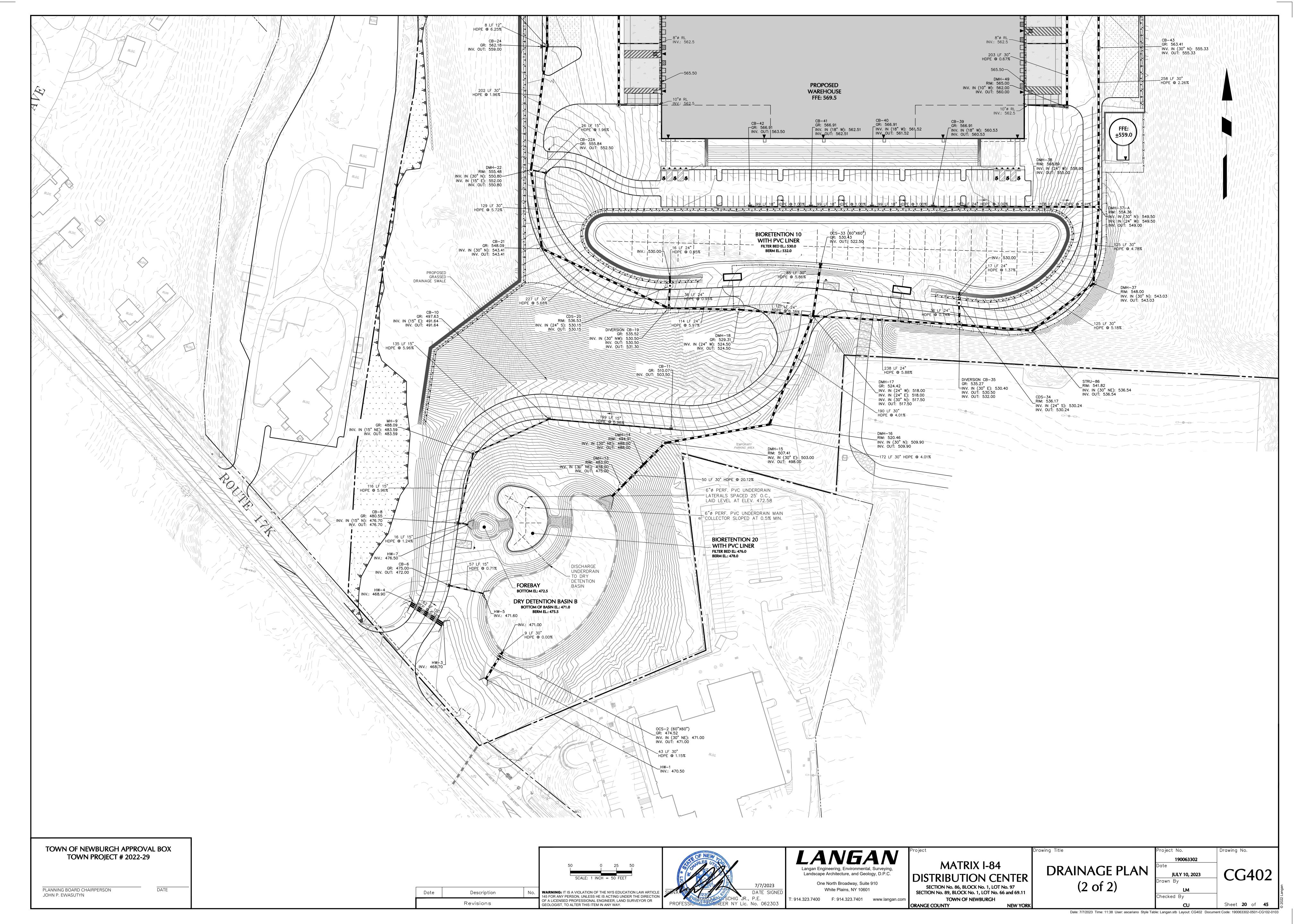
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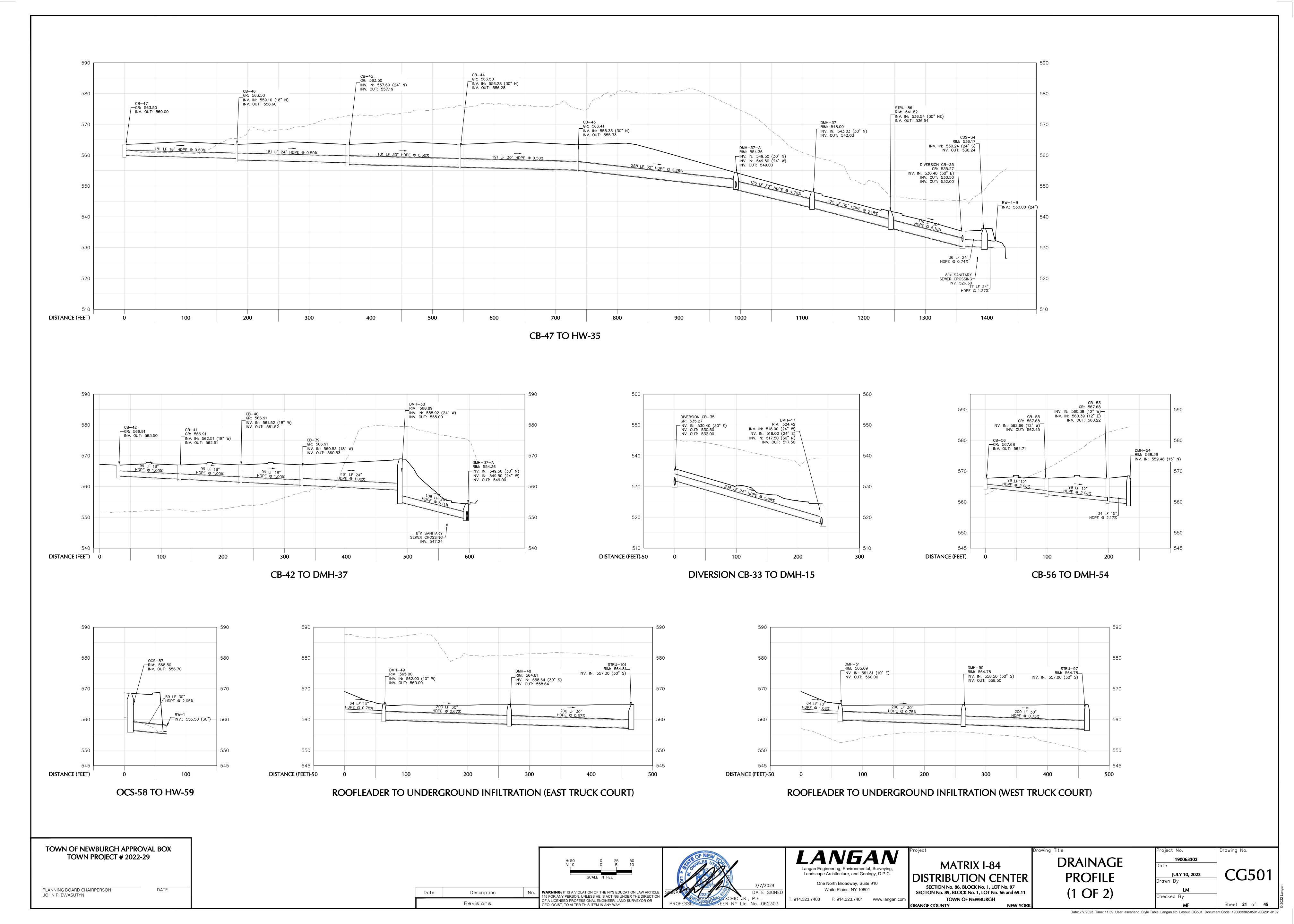
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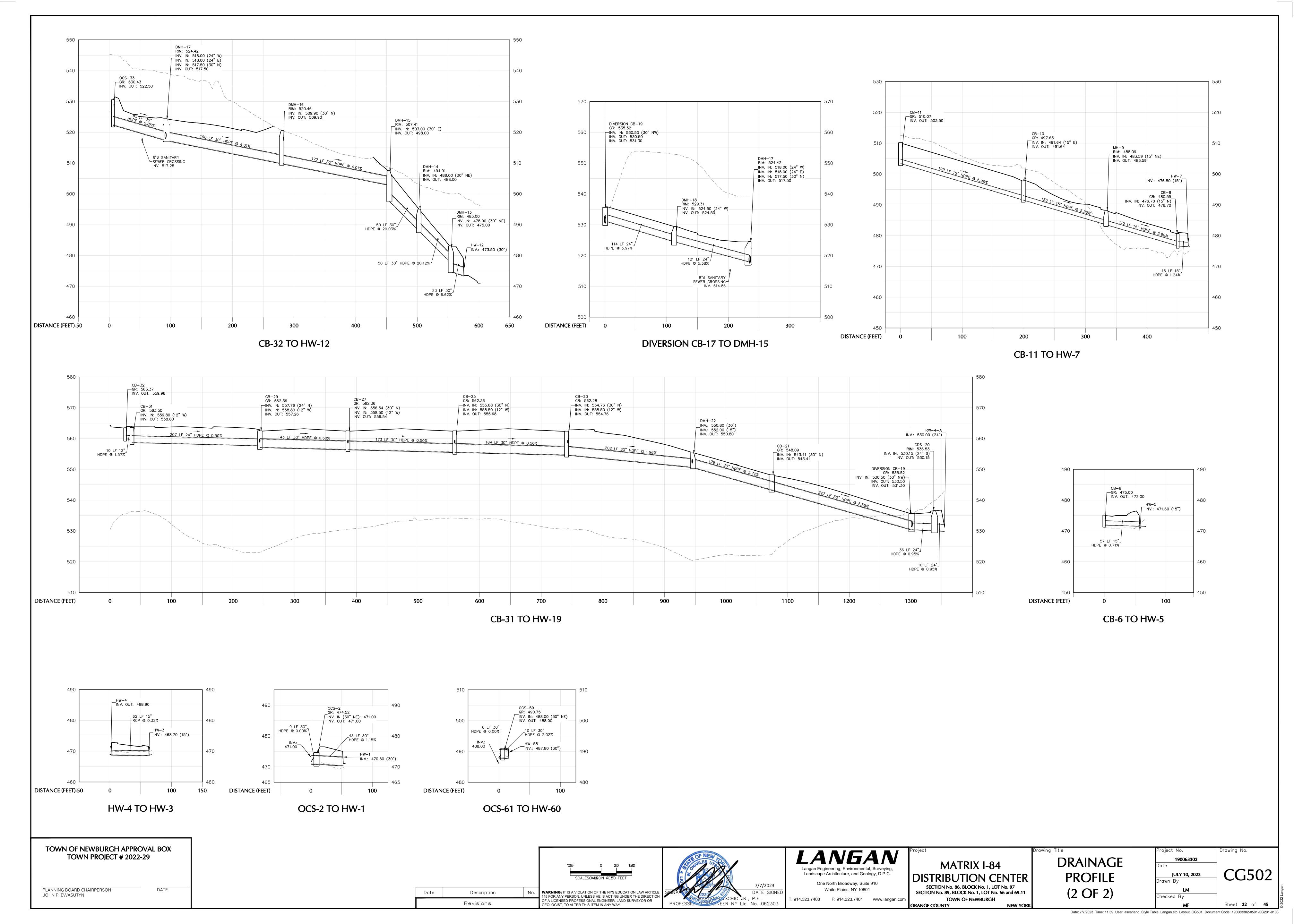


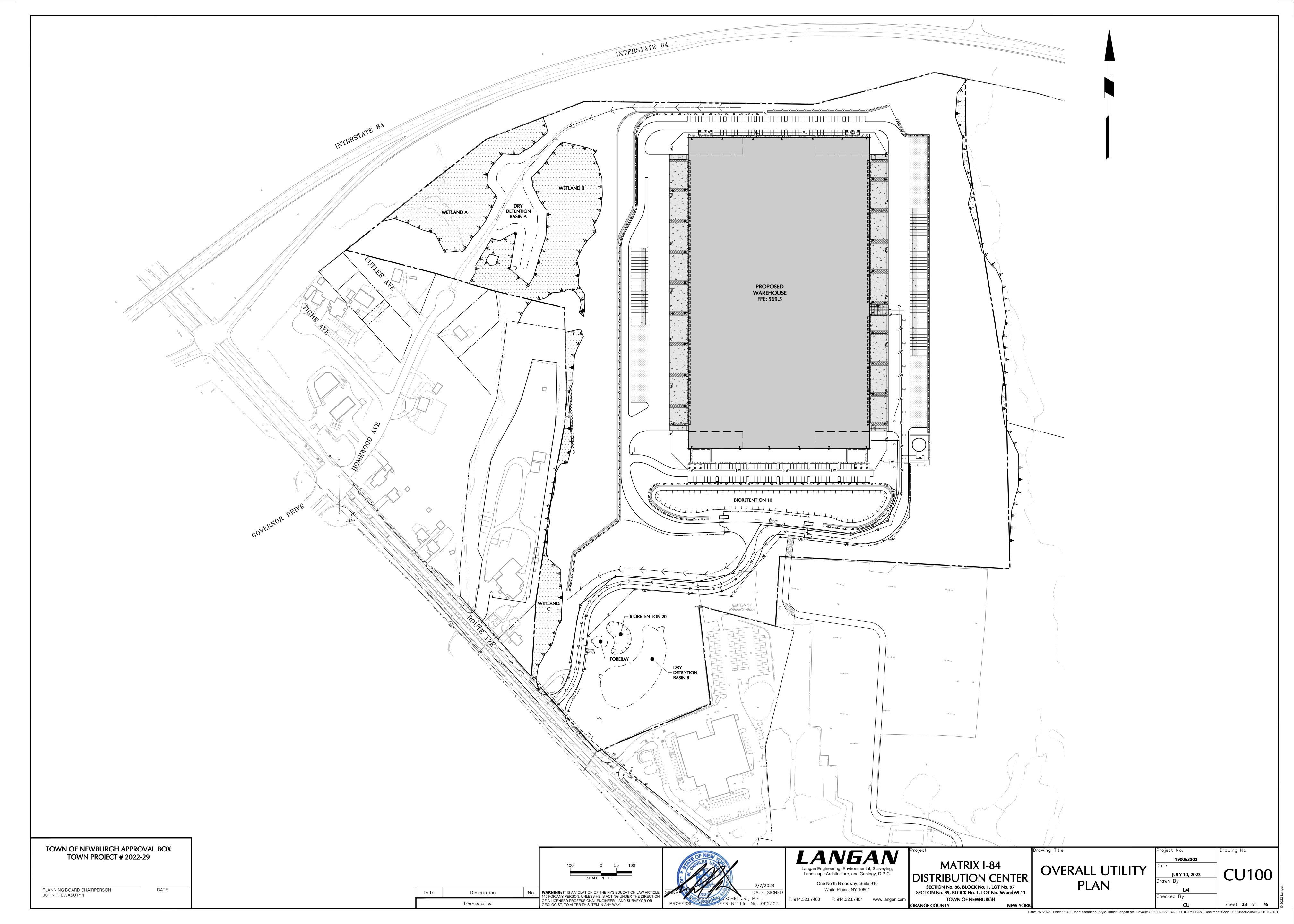


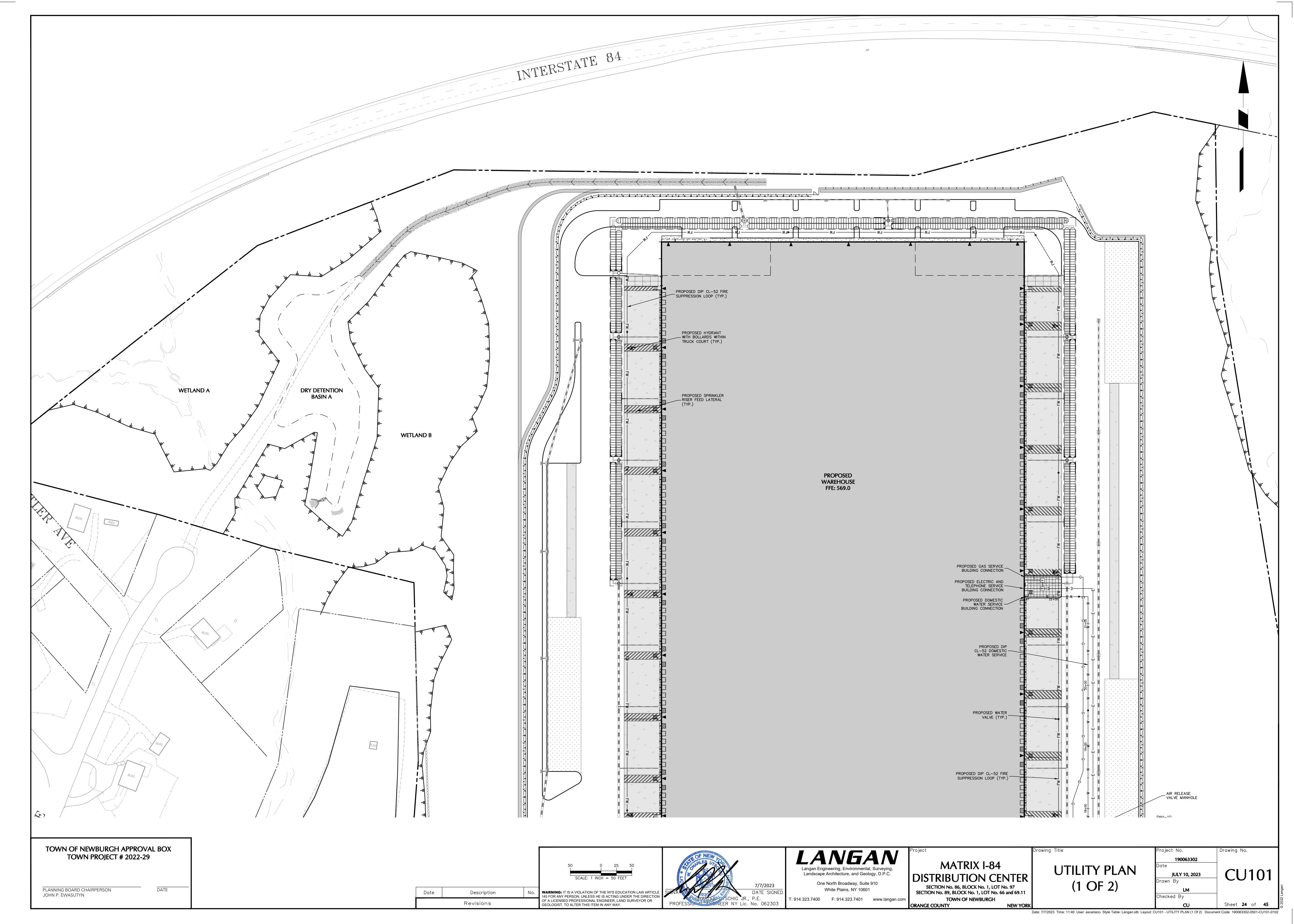


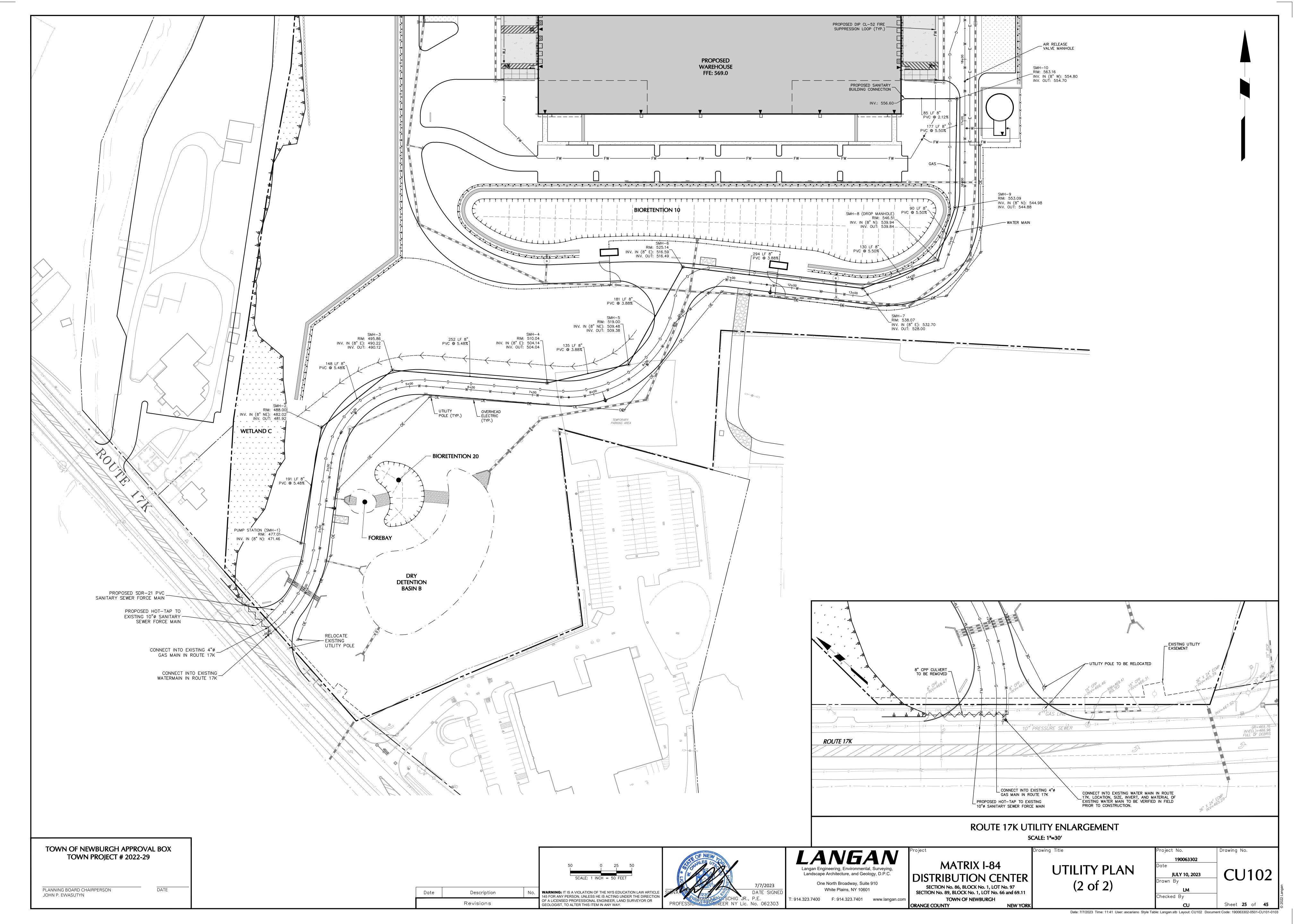


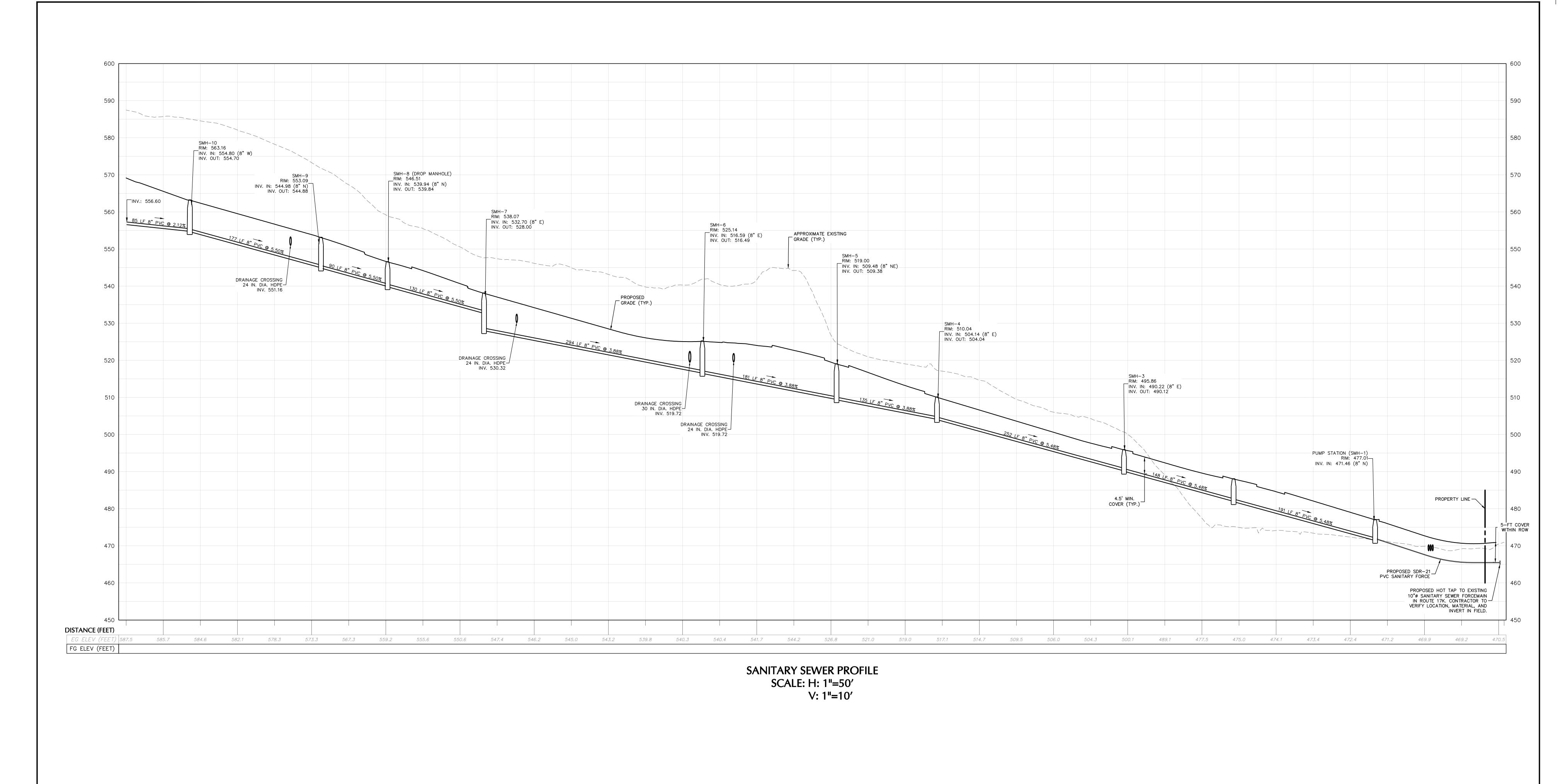








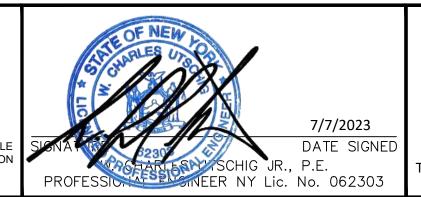




TOWN OF NEWBURGH APPROVAL BOX
TOWN PROJECT # 2022-29

PLANNING BOARD CHAIRPERSON
JOHN P. EWASUTYN

DATE



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TOWN OF NEWBURGH

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SANITARY SEWER PROFILE Project No.

190063302

Date

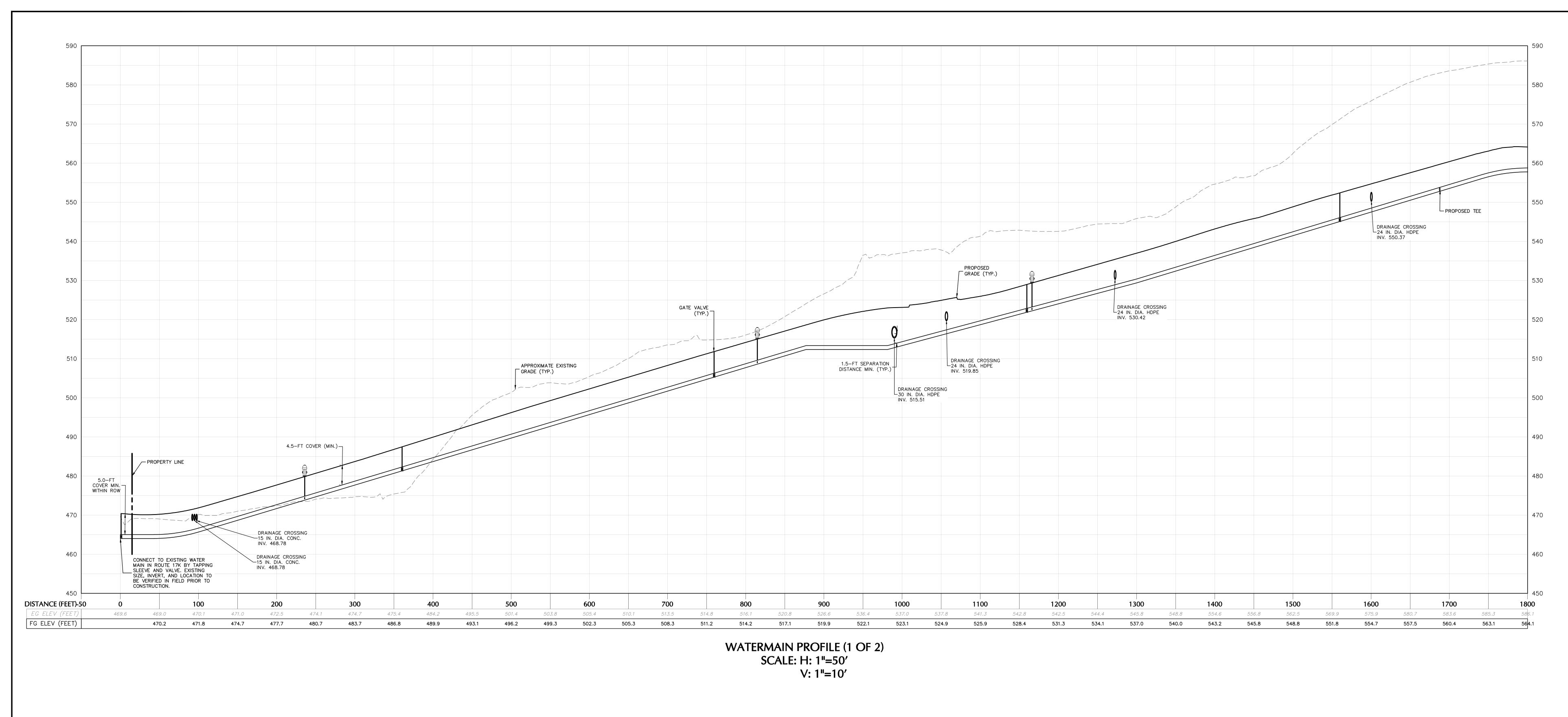
JULY 10, 2023

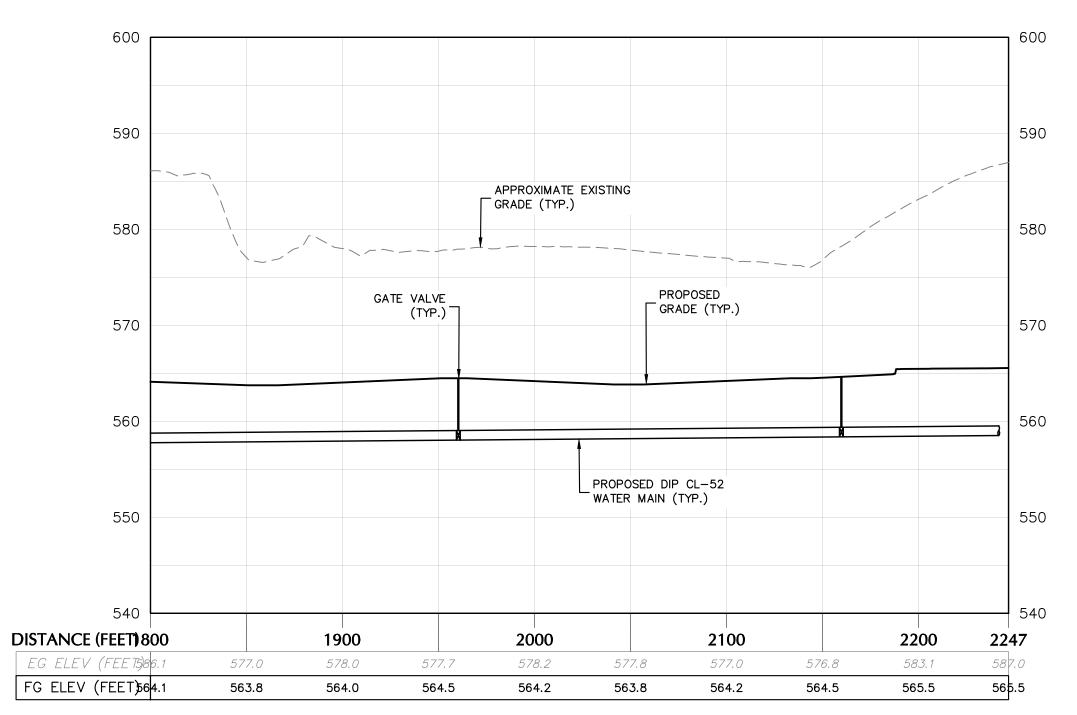
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WATERMAIN PROFILE (2 OF 2) SCALE: H: 1"=50' V: 1"=10'

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

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

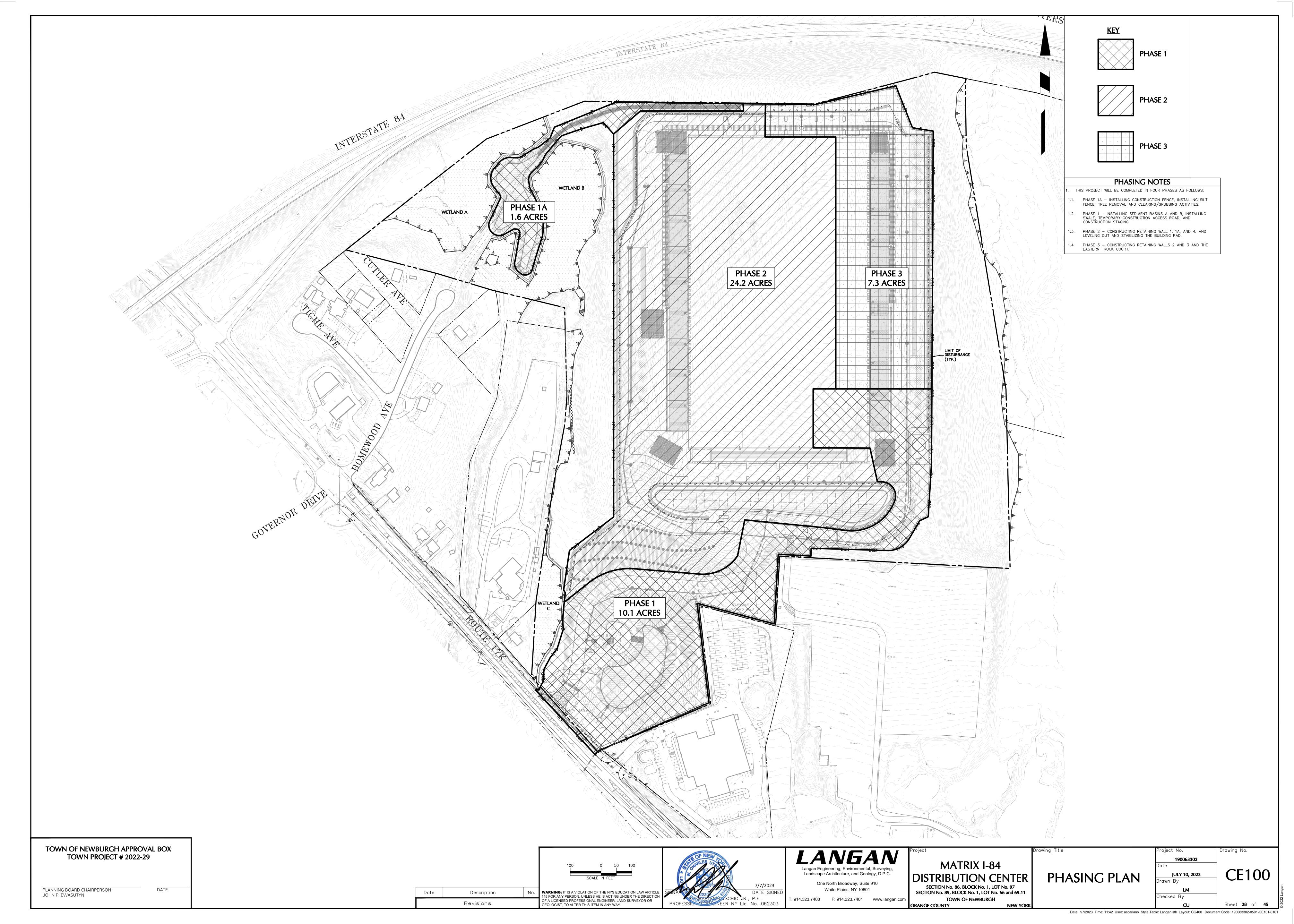


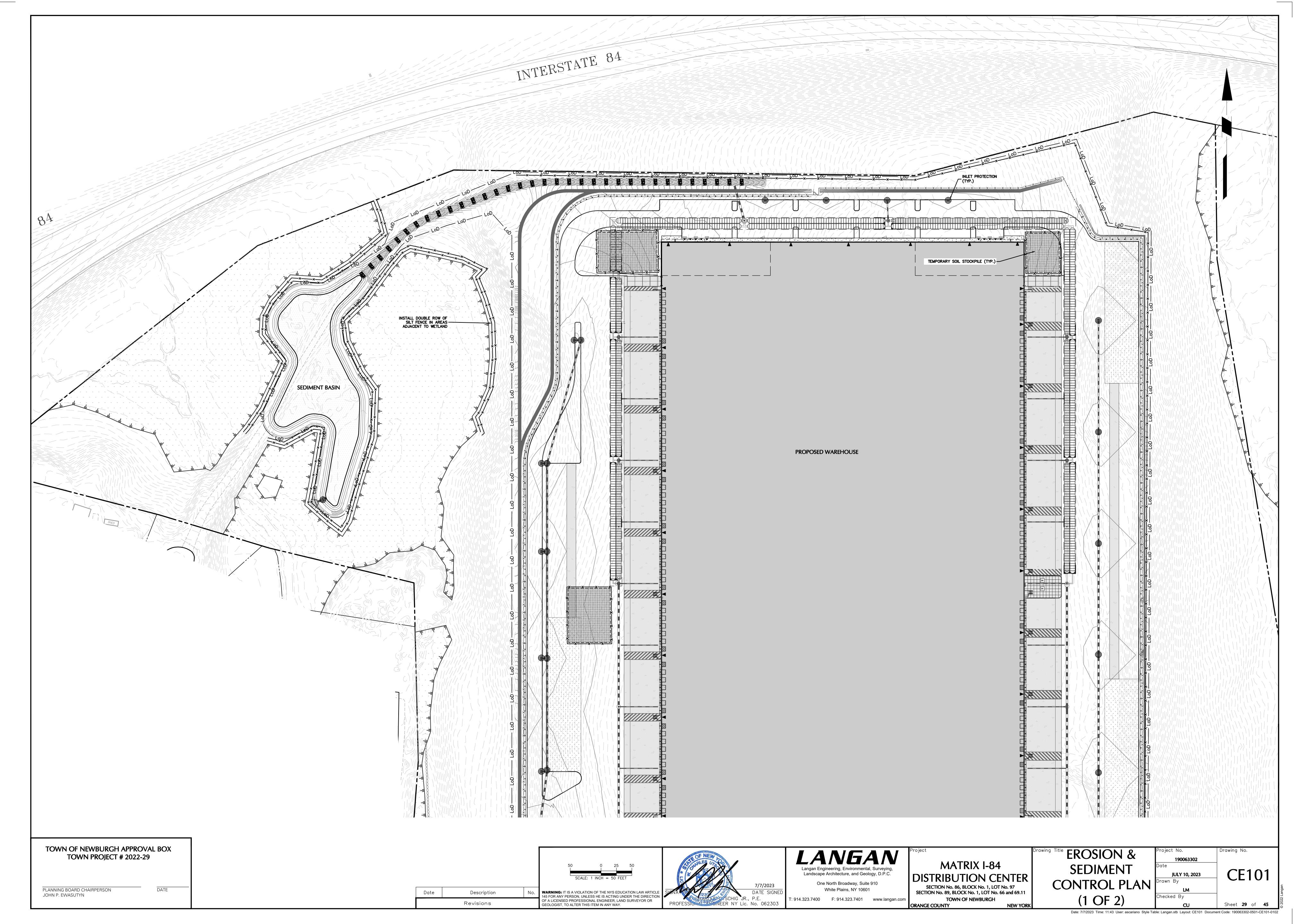
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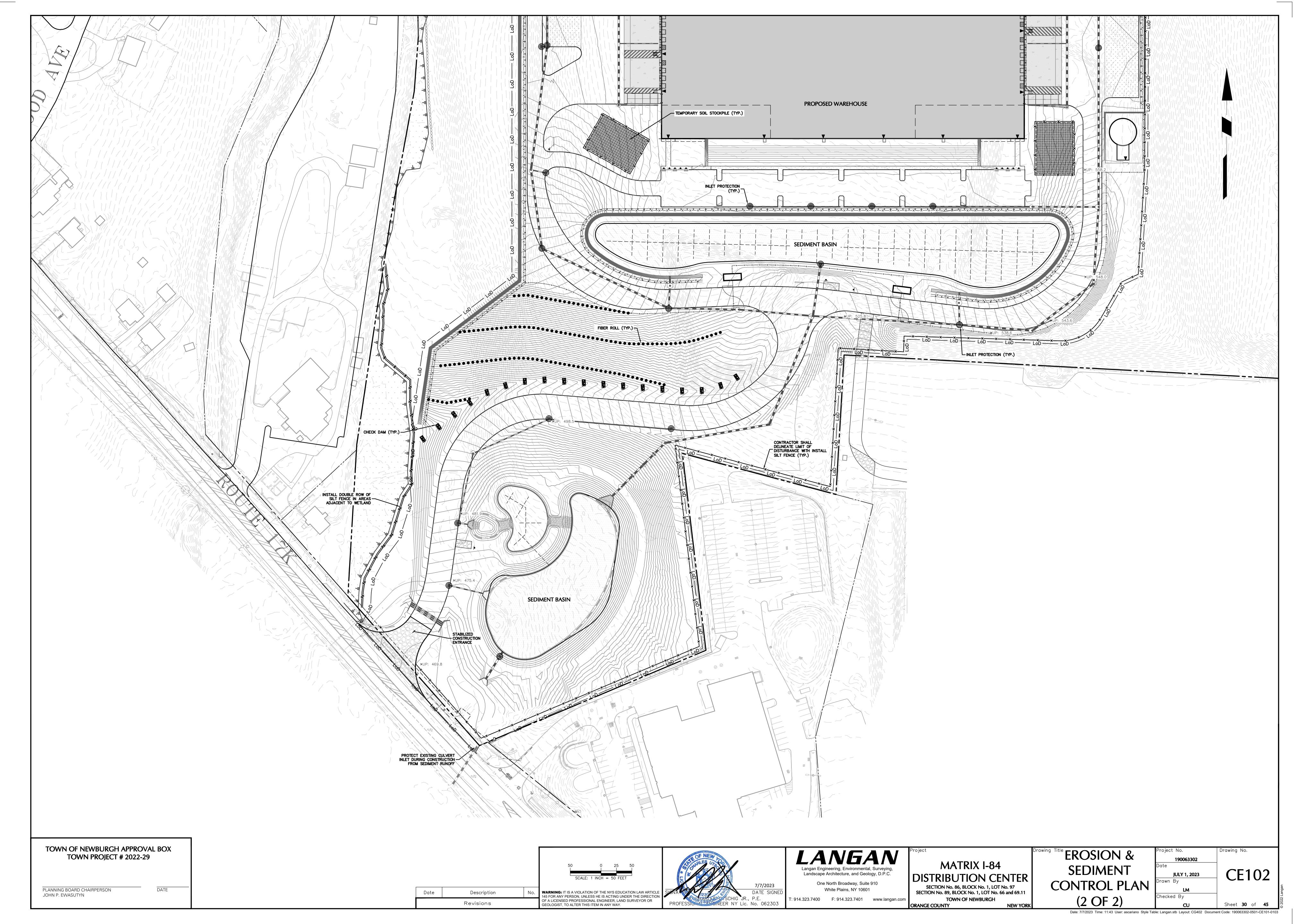
SECTION No. 86, BLOCK No. 1, LOT No. 97 SECTION No. 89, BLOCK No. 1, LOT No. 66 and 69.11 **TOWN OF NEWBURGH NEW YORK**

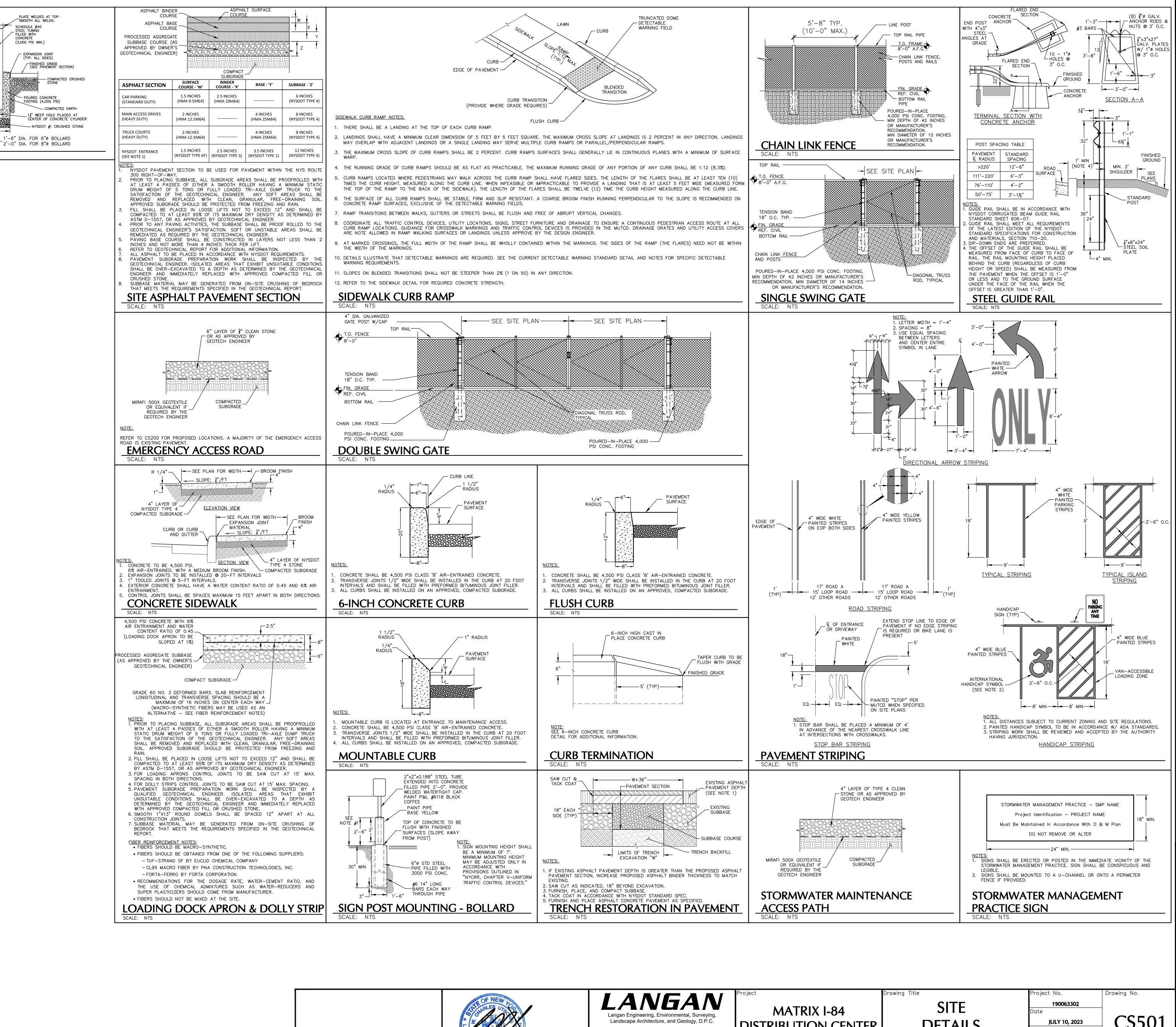
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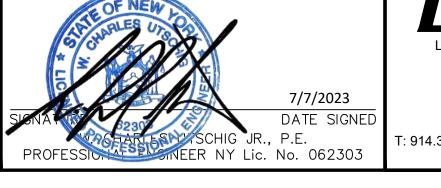
TOWN OF NEWBURGH APPROVAL BOX **TOWN PROJECT # 2022-29** PLANNING BOARD CHAIRPERSON JOHN P. EWASUTYN

VARIES REFER TO PLANS

SCALE: NTS

(6"ø OR 8"ø)

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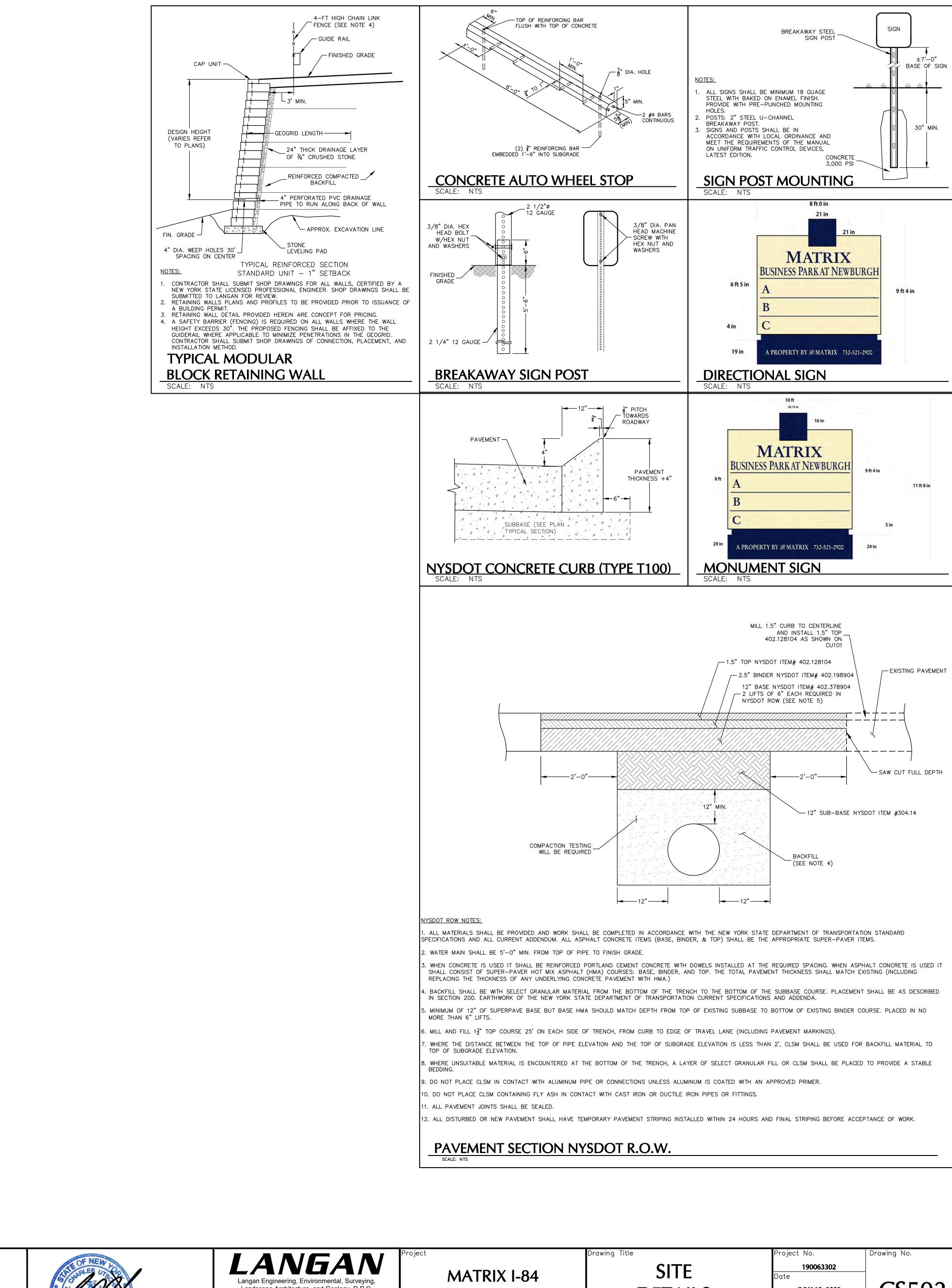
DETAILS (1 OF 2)

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PLANNING BOARD CHAIRPERSON

JOHN P. EWASUTYN

Description Revisions



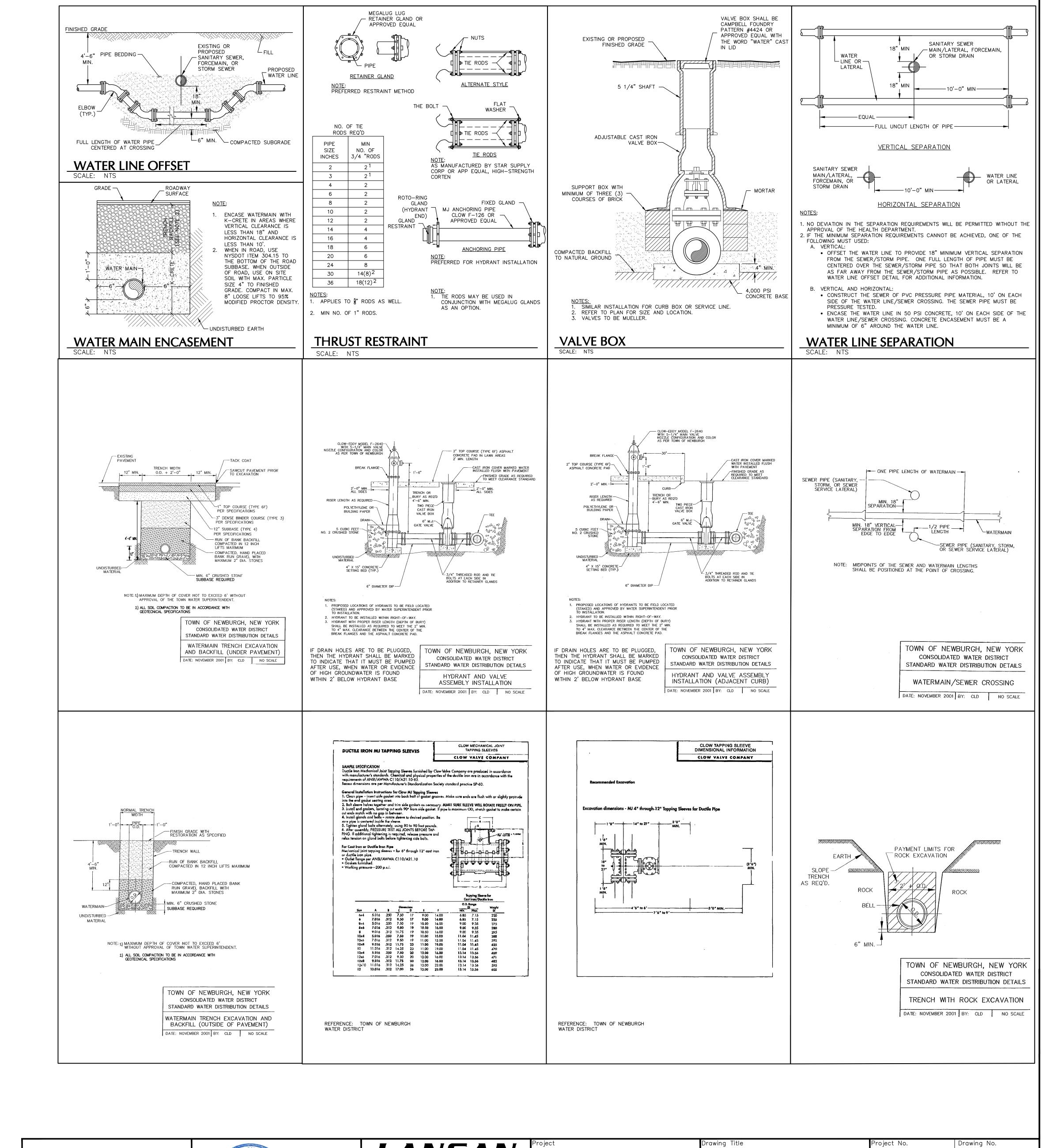
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DETAILS (2 OF 2)

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



PLANNING BOARD CHAIRPERSON DATE
JOHN P. EWASUTYN

Date Description No.

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WATER DETAILS Project No.

190063302

Date

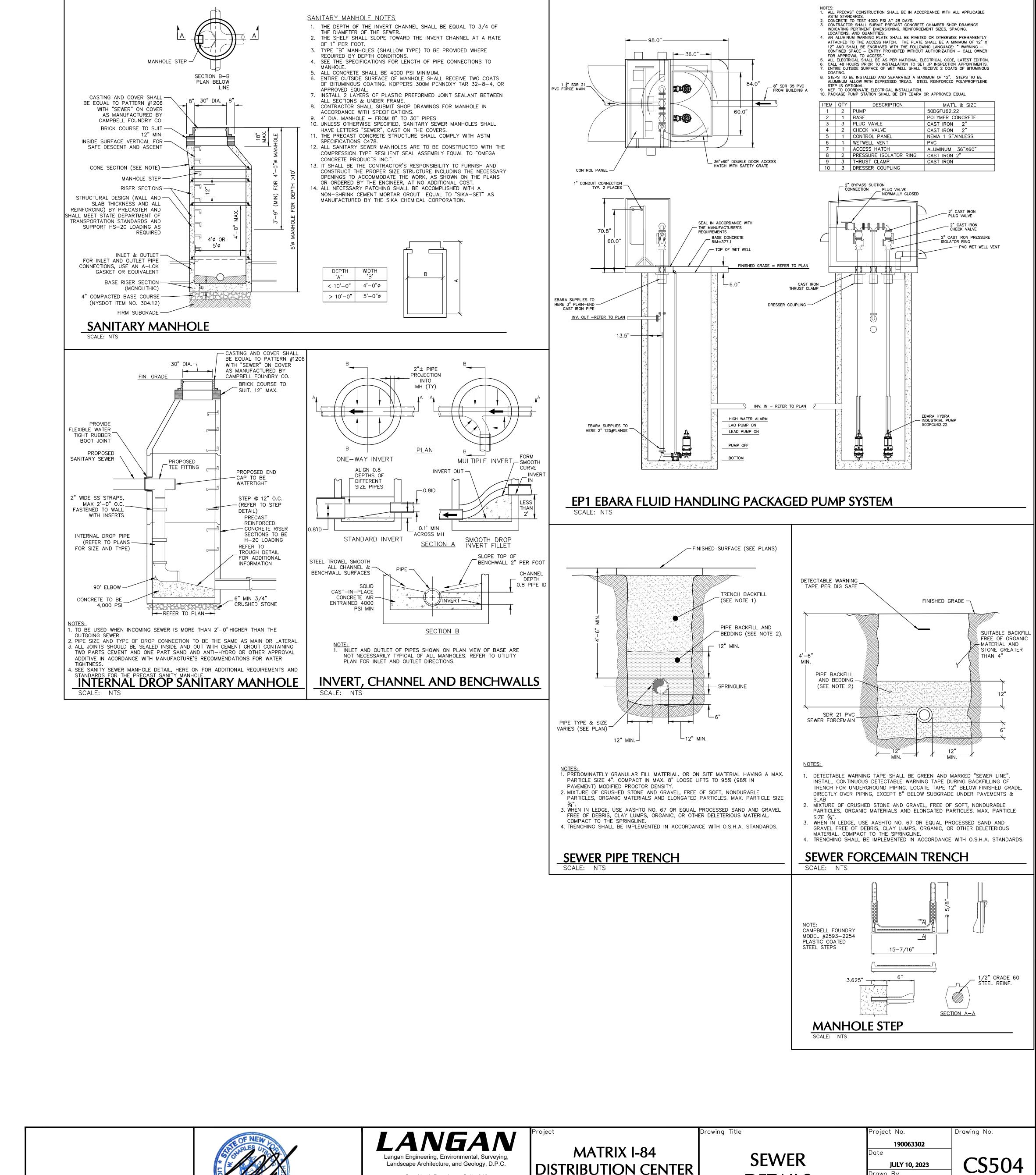
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PLANNING BOARD CHAIRPERSON JOHN P. EWASUTYN

Date Description Revisions

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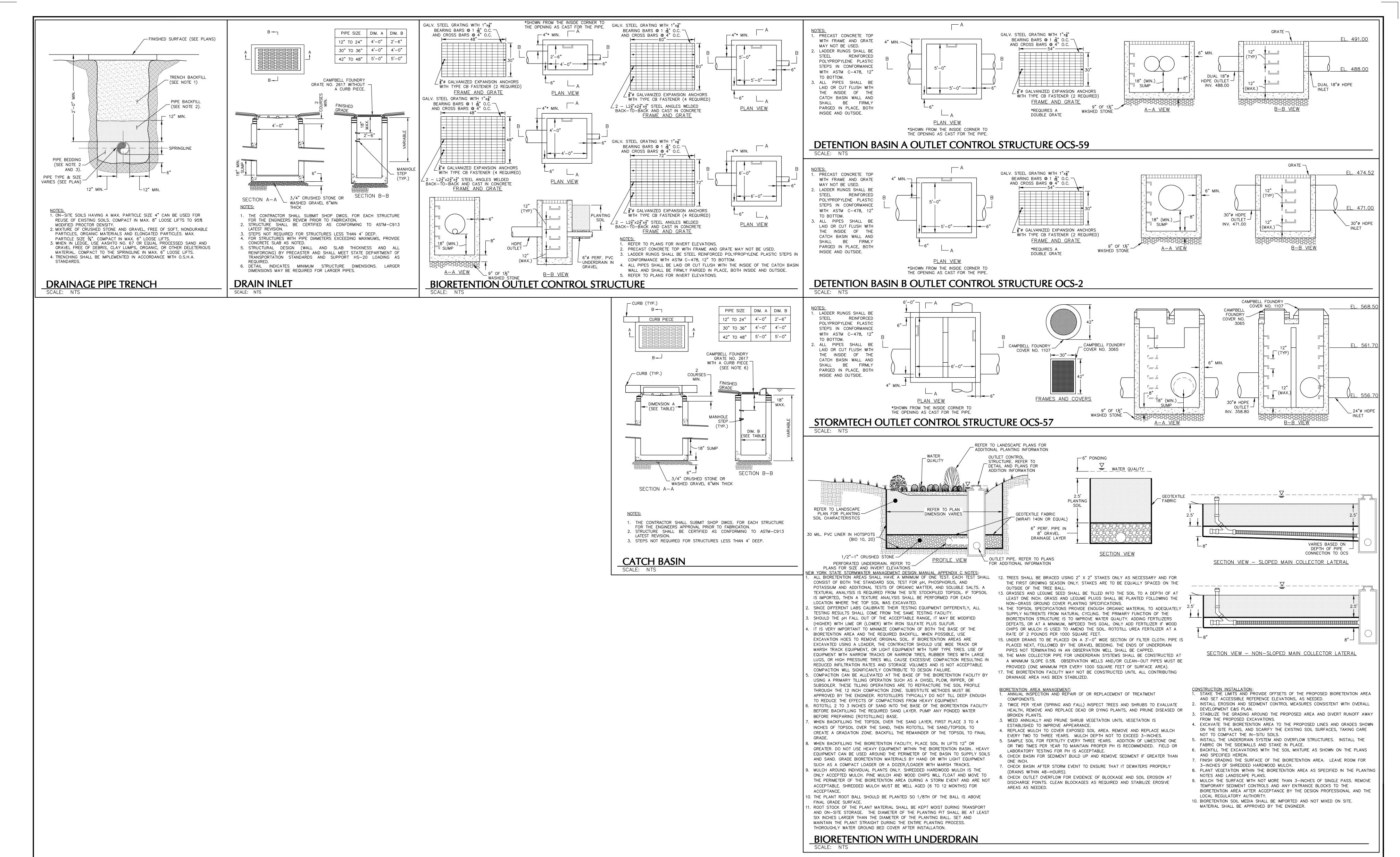
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SEWER DETAILS

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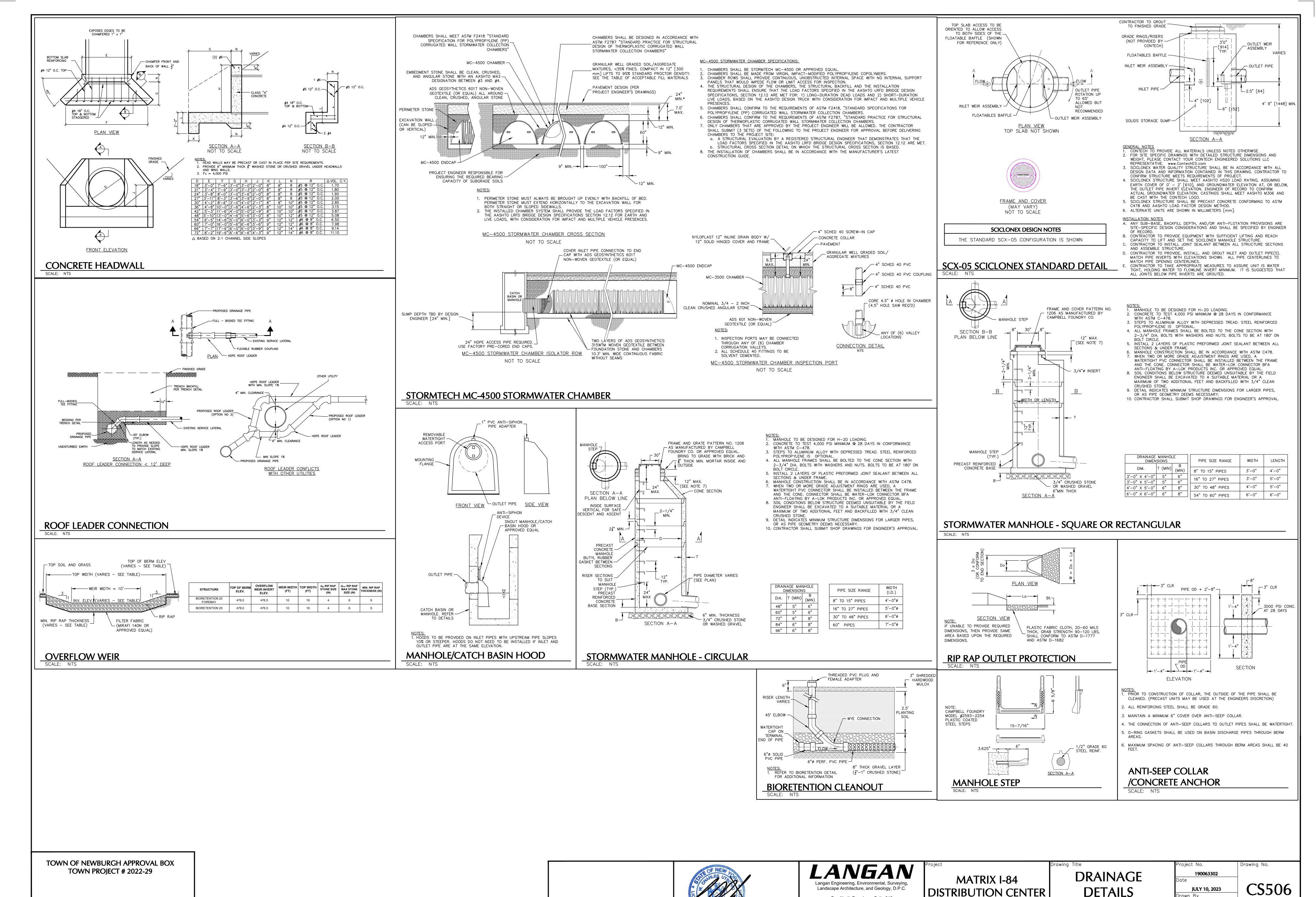
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DRAINAGE DETAILS (1 OF 2)

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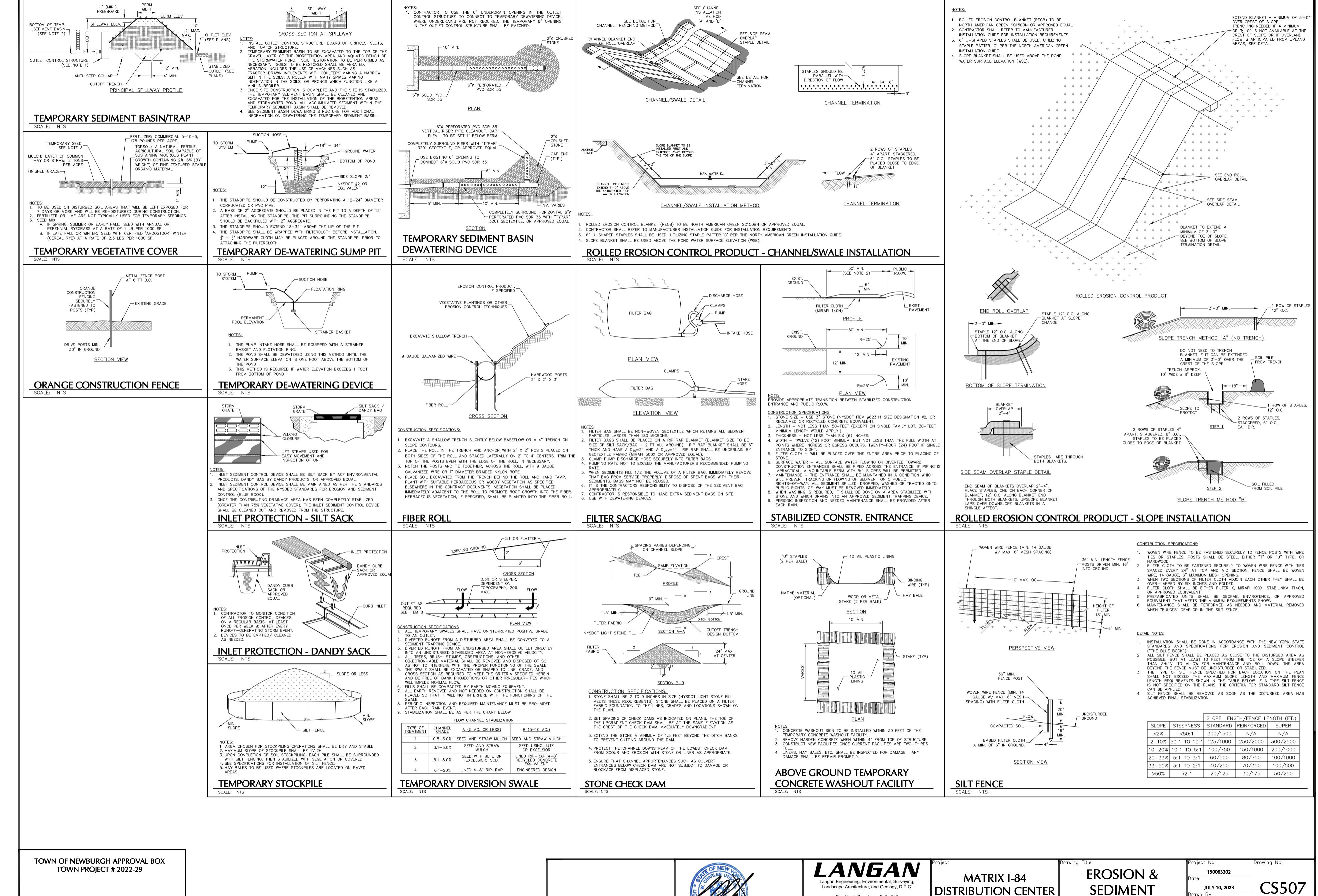
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PLANNING BOARD CHAIRPERSON

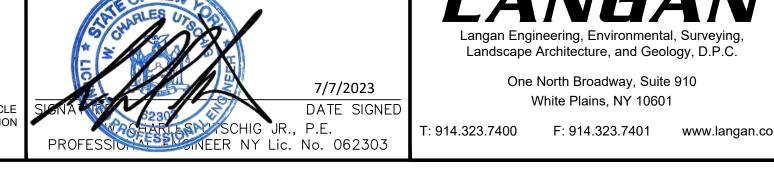
JOHN P. EWASUTYN

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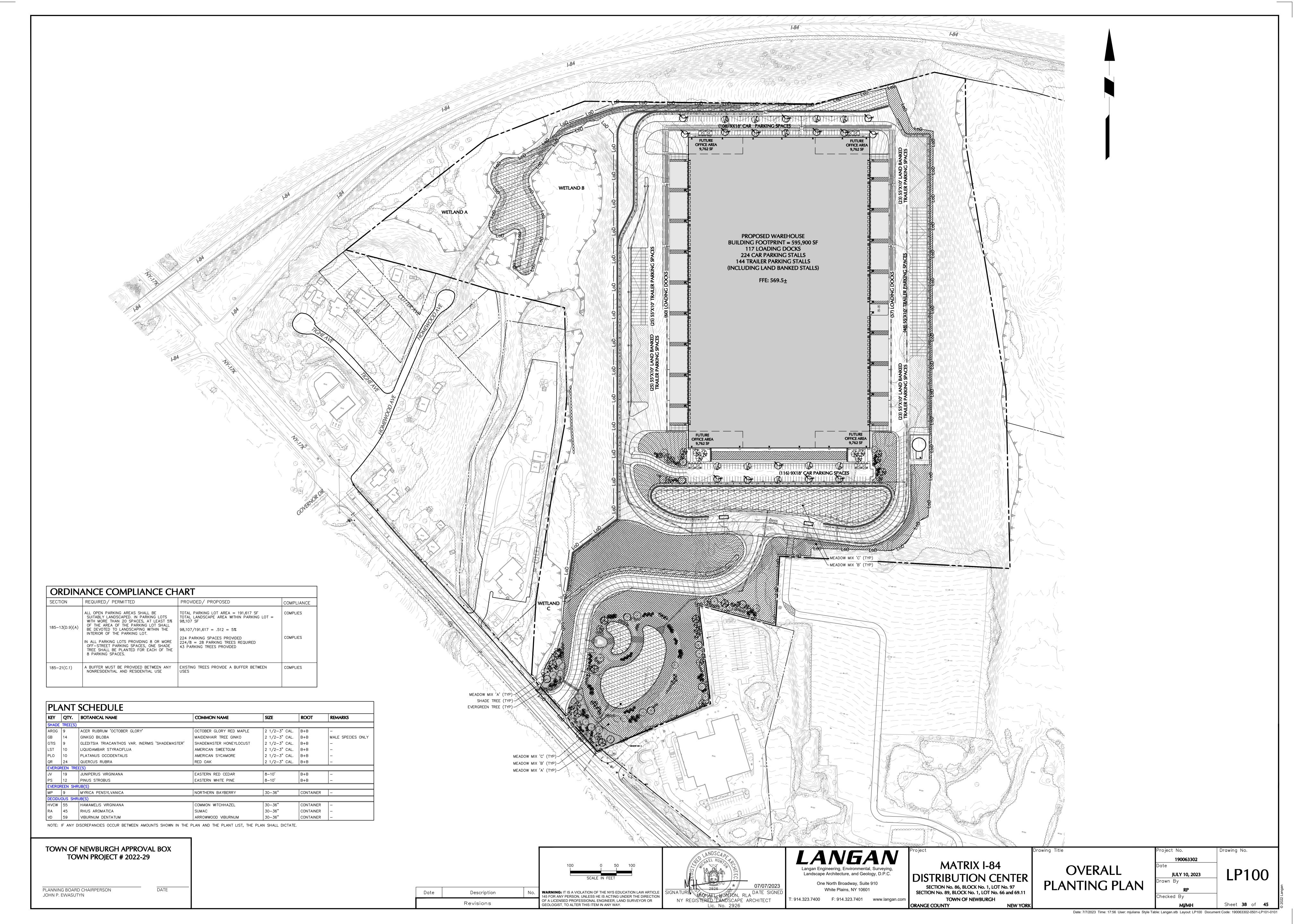


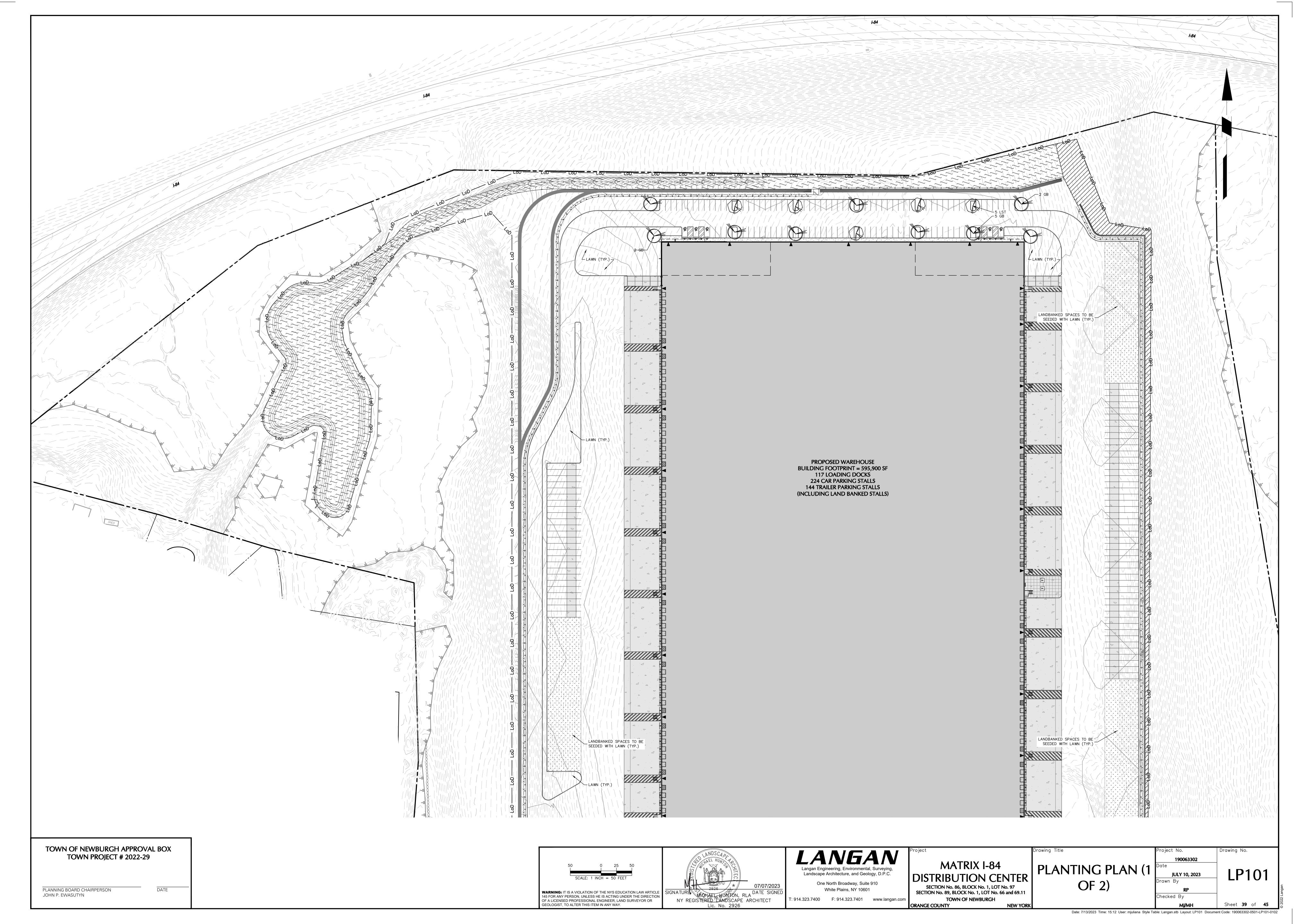
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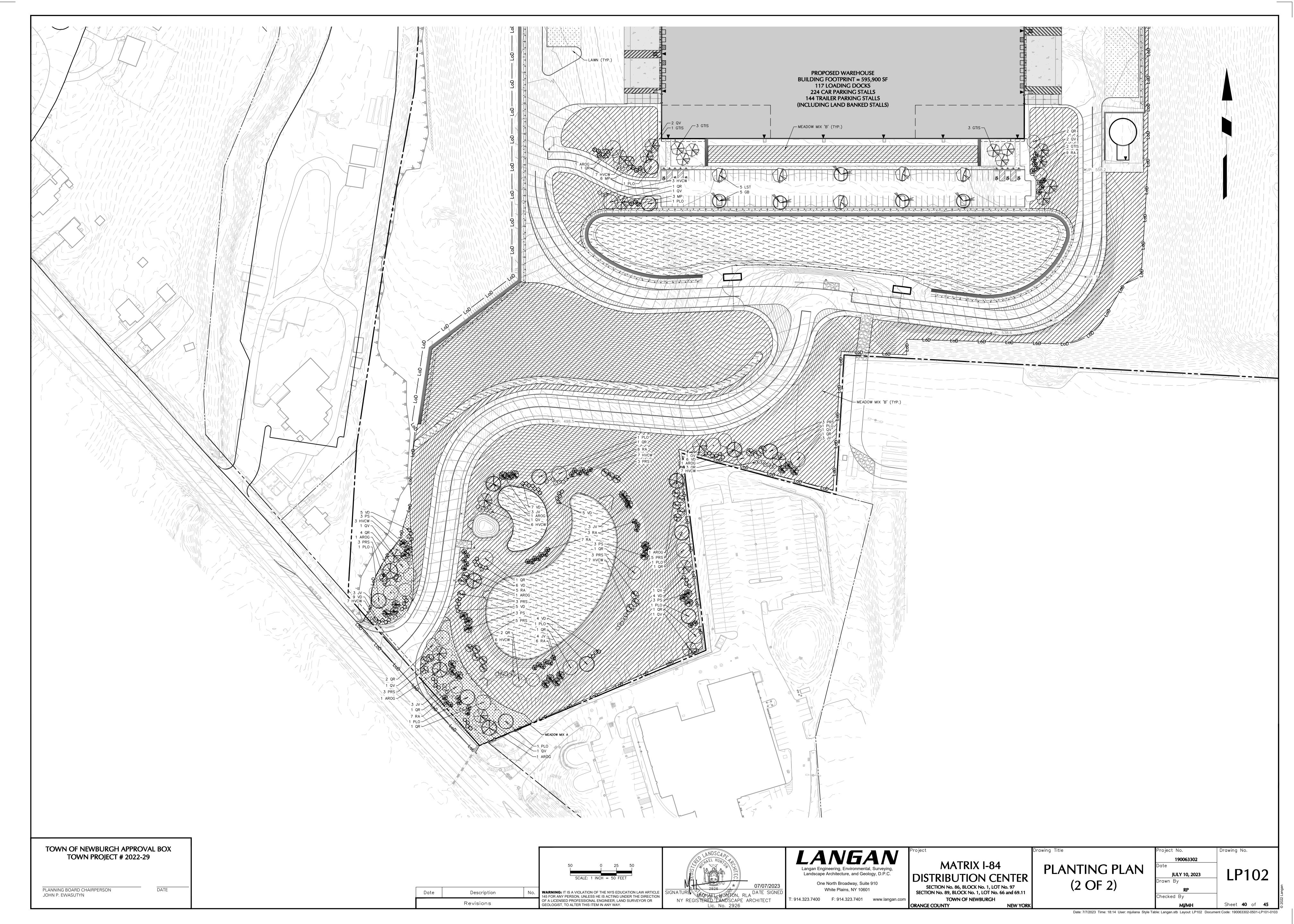
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GENERAL LANDSCAPE PLANTING NOTES

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

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

LAWN WATERING SCHEDULE

INSPECTED AGAIN THE FOLLOWING FOUR GROWING SEASONS

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

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

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

LAWN SEED MIX

MANUFACTURER'S SPECIFICATIONS.

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

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

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

PLANTING SOIL SPECIFICATIONS

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

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

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

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

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

PERCENT PASSING

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

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

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

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

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

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

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

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

MEADOW SEED NOTES

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

WILD BERGAMOT, PA ECOTYPE

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

0.1% MONARDA FISTULOSA, PA ECOTYPE

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

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

3. MEADOW SEED MIX C - ERNMX-181 "NATIVE STEEP SLOPE MIX WITH ANNUAL RYEGRASS"

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

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

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

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

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

LANDSCAPE MAINTENANCE NOTES

MAINTENANCE OPERATIONS BEFORE APPROVAL:

LAWN MAINTENANCE

- A. PLANT CARE SHALL BEGIN IMMEDIATELY AFTER EACH PLANT IS SATISFACTORILY INSTALLED AND SHALL CONTINUE THROUGHOUT THE LIFE OF THE CONTRACT UNTIL FINAL ACCEPTANCE OF THE PROJECT.
- B. CARE SHALL INCLUDE, BUT NOT BE LIMITED TO, REPLACING MULCH THAT HAS BEEN DISPLACED BY EROSION OR OTHER MEANS, REPAIRING AND RESHAPING WATER RINGS OR SAUCERS, MAINTAINING STAKES AND GUYS AS ORIGINALLY INSTALLED, WATERING WHEN NEEDED OR DIRECTED, AND PERFORMING ANY OTHER WORK REQUIRED TO KEEP THE
- C. CONTRACTOR SHALL REMOVE AND REPLACE ALL DEAD, DEFECTIVE AND/OR REJECTED PLANTS AS REQUIRED BEFORE FINAL ACCEPTANCE. . MAINTENANCE DURING CONSTRUCTION:

A. MAINTENANCE SHALL BEGIN IMMEDIATELY AFTER PLANTING. PLANTS SHALL BE WATERED,

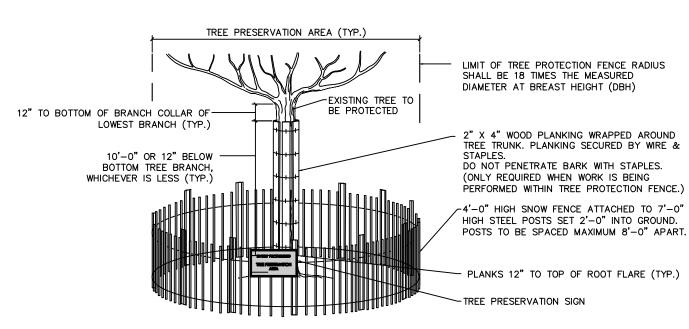
- MULCHED, WEEDED, PRUNED, SPRAYED, FERTILIZED, CULTIVATED, AND OTHERWISE MAINTAINED AND PROTECTED UNTIL PROVISIONAL ACCEPTANCE. SETTLED PLANTS SHALL BE RESET TO PROPER GRADE AND POSITION, PLANTING SAUCER RESTORED AND DEAD MATERIAL REMOVED. STAKES AND WIRES SHALL BE TIGHTENED AND REPAIRED. EFECTIVE WORK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

TREE PROTECTION NOTES:

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

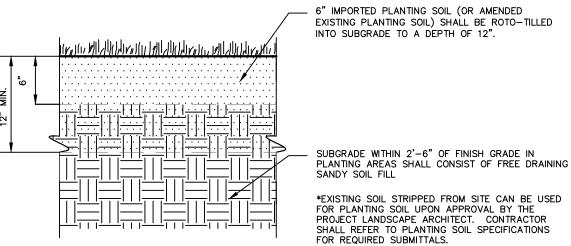
2. TREE PROTECTION PLANKING SHALL BE INSTALLED AROUND ALL EXISTING TREES AS NOTED ON THIS DRAWING. REFER TO DETAIL ON THIS 3. TREE PROTECTION FENCING SHALL BE MAINTAINED TO PROTECT TREES AT ALL TIMES. ANY DAMAGED FENCING SHALL BE IMMEDIATELY REPLACED WHEN DAMAGED. 4. IF TREE PROTECTION FENCING NEEDS TO BE MOVED OR BREACHED DUE TO TEMPORARY CONSTRUCTION ACTIVITY WITHIN THE TREE PROTECTION ZONE, THE FENCING WILL BE RESET TO ITS ORIGINAL LOCATION IMMEDIATELY AFTER CONSTRUCTION WITHIN THE TREE

- 5. DEMOLITION WORK ADJACENT TO PROTECTED TREES SHALL BE PERFORMED BY NON-MECHANICAL METHODS. CONTRACTOR TO PROTECT ROOT MASS AGAINST DAMAGE DURING EXCAVATION. ANY TREE ROOTS THAT ARE DISTURBED, BROKEN, OR CUT SHALL BE PRUNED BACK WITH
- 6. ALL EXPOSED TREE ROOTS SHALL BE THOROUGHLY IRRIGATED ON A DAILY BASIS AS DIRECTED BY THE PROJECT LANDSCAPE ARCHITECT. 7. ALL WORK TO BE PERFORMED UNDER THE DIRECT SUPERVISION OF EITHER THE OWNER'S REPRESENTATIVE OR THE PROJECT LANDSCAPE

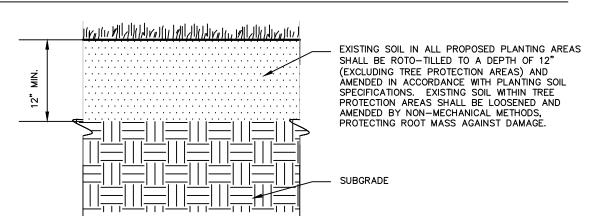


REE PROTECTION FENCE AND PLANKING

DUE TO GENERAL CONSTRUCTION ACTIVITIES AND ADJACENT SITE COMPACTION REQUIREMENTS, SUBGRADE SOILS WITHIN PROPOSED PLANTING AREAS TEND TO BECOME HIGHLY COMPACTED. IN ORDER TO CREATE A HEALTHY GROWTH MEDIUM TO ALLOW PROPOSED PLANTINGS TO ESTABLISH A VIGOROUS ROOT MASS, THIS SUBGRADE SOIL MUST UNDERGO A RESTORATION PROCESS. IN ADDITION, IMPORTED OR AMENDED EXISTING SOILS SHALL BE MIXED WITH SUBGRADE SOILS WHERE THEY MEET IN ORDER TO CREATE A TRANSITIONAL GRADIENT TO ALLOW S" IMPORTED PLANTING SOIL (OR AMENDED EXISTING PLANTING SOIL) SHALL BE ROTO-TILLED INTO SUBGRADE TO A DEPTH OF 12".



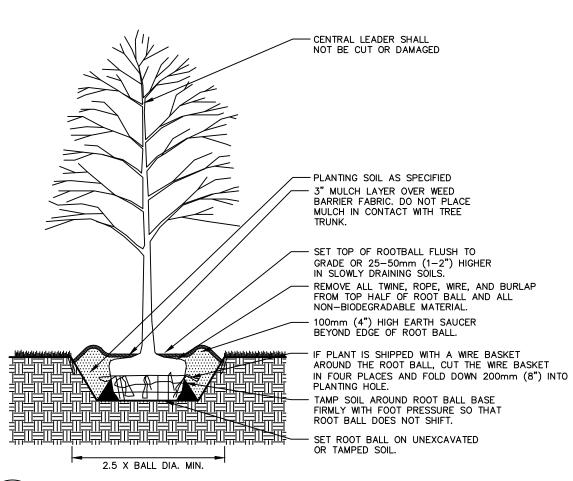
PLANTING SOIL WITHIN AREAS OF CUT OR RAISED GRADE



PLANTING SOIL WITHIN AREAS OF UNCHANGED GRADE

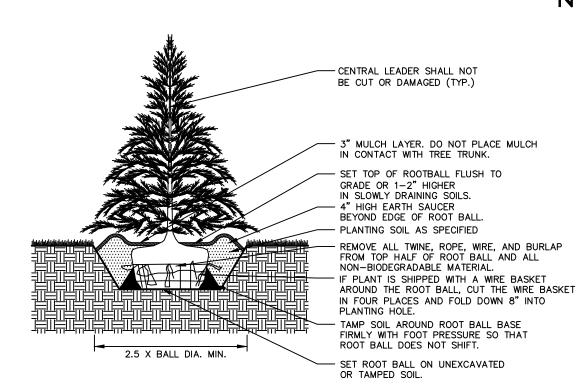
1. CONTRACTOR IS RESPONSIBLE TO SEND SAMPLES OF EXISTING SOILS INTENDED FOR USE IN PLANTING AREAS (1 PER 500 CY.) TO TESTING LABORATORY OR UNIVERSITY COOPERATIVE EXTENSION FOR TESTING. ALL TESTING COSTS ARE AT THE CONTRACTOR'S EXPENSE. 2. RECYCLED CRUSHED CONCRETE AND ASPHALT MILLINGS SHALL NOT BE PLACED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

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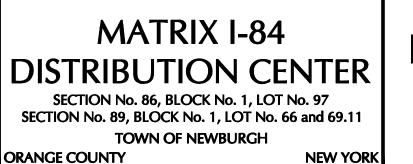
LARGE SHRUB (B&B) SMALL SHRUB (CONTAINER) - REMOVE ALL TWINE, ROPE AND WIRE AND BURLAP FROM TOP HALF OF ROO BALL AND ALL NON-BIODEGRADABLE MATERIAL -IF PLANT IS SHIPPED WITH A WIRE BASKET IN FOUR PLACES AND FOLD DOWN 8" INTO 3" MULCH LAYER. KEEP MULCH AWAY FROM SHRUB BASE AND TOP OF ROOTBALL (TYP.) -4"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



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





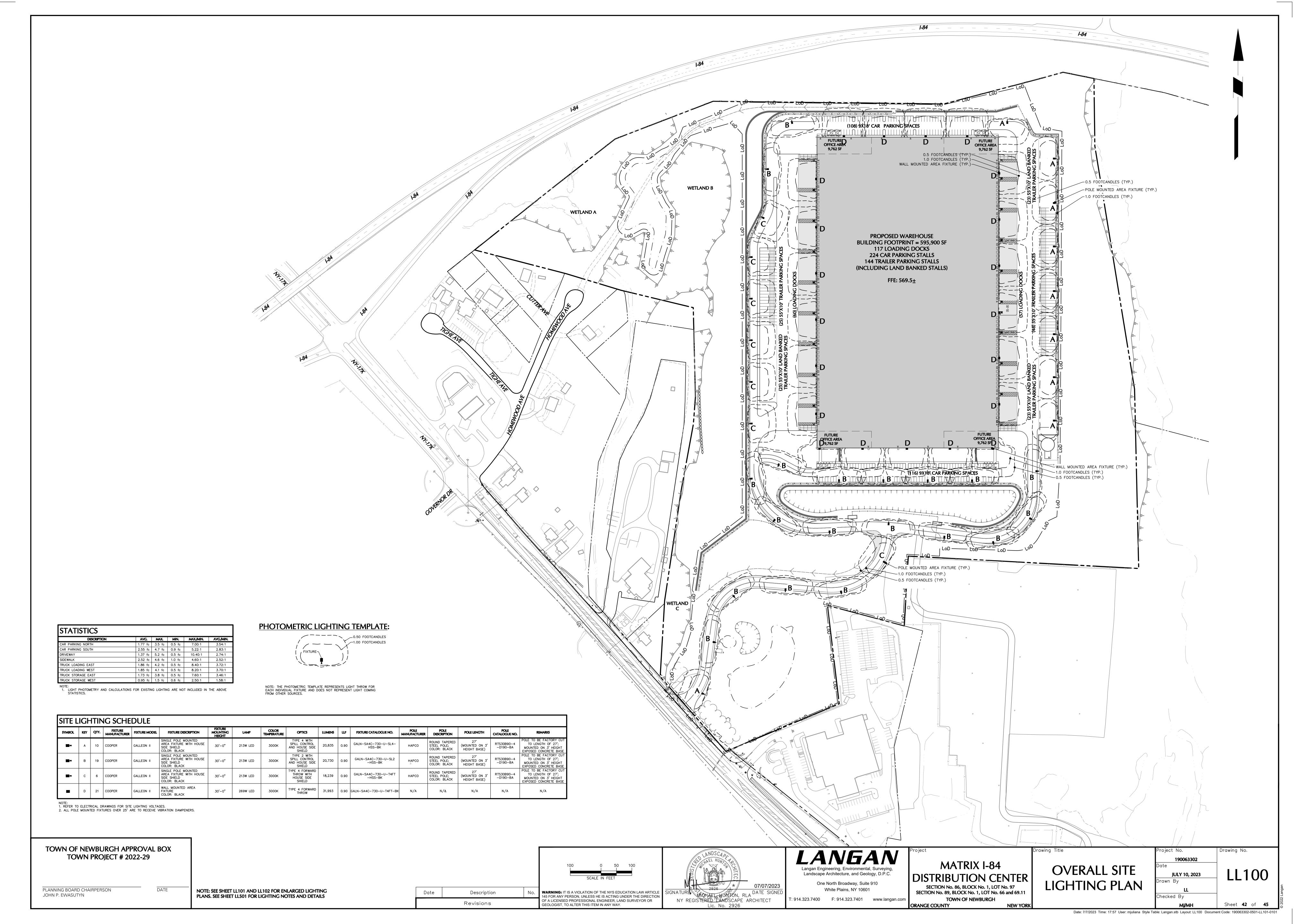
PLANTING NOTES & DETAILS

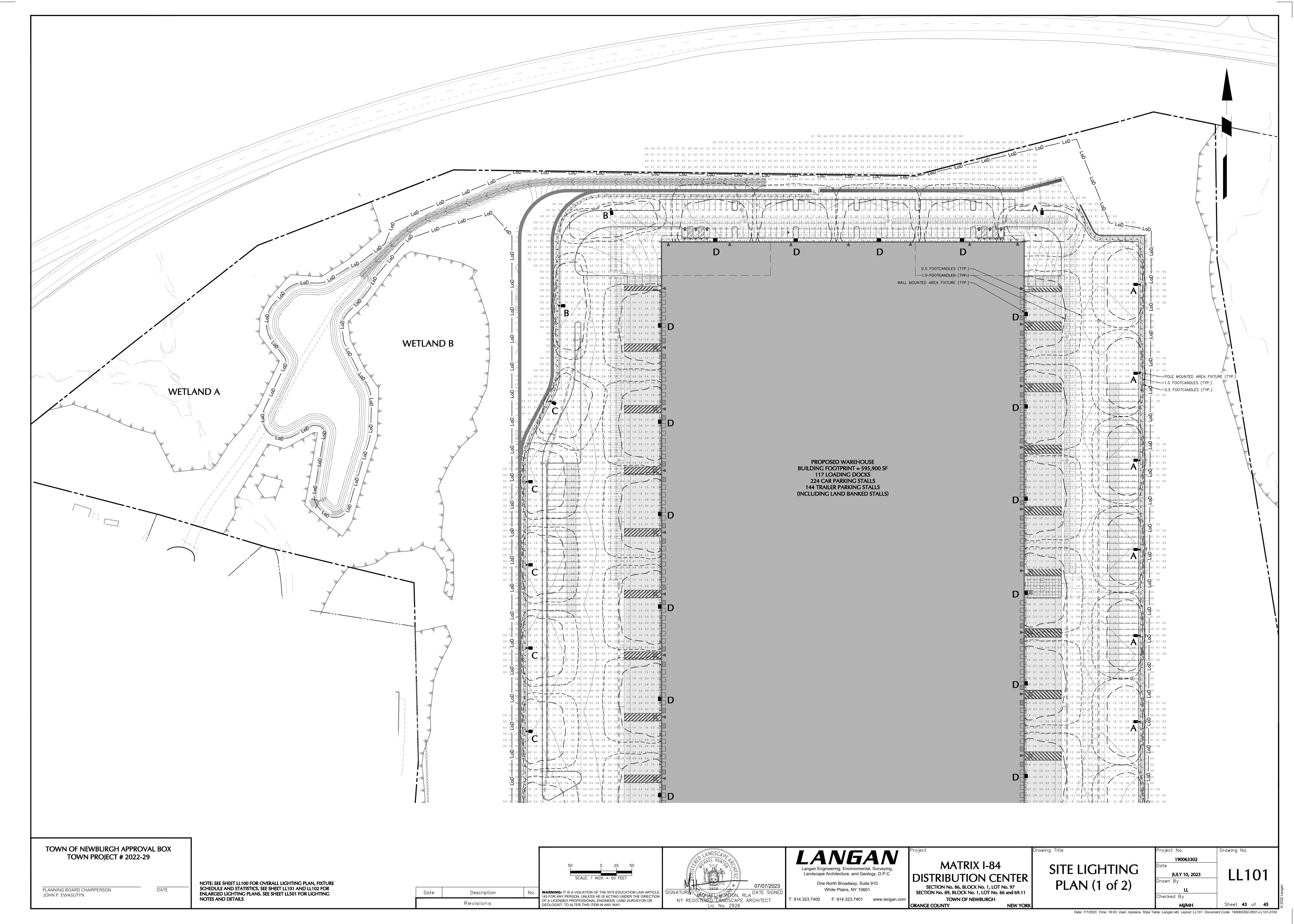
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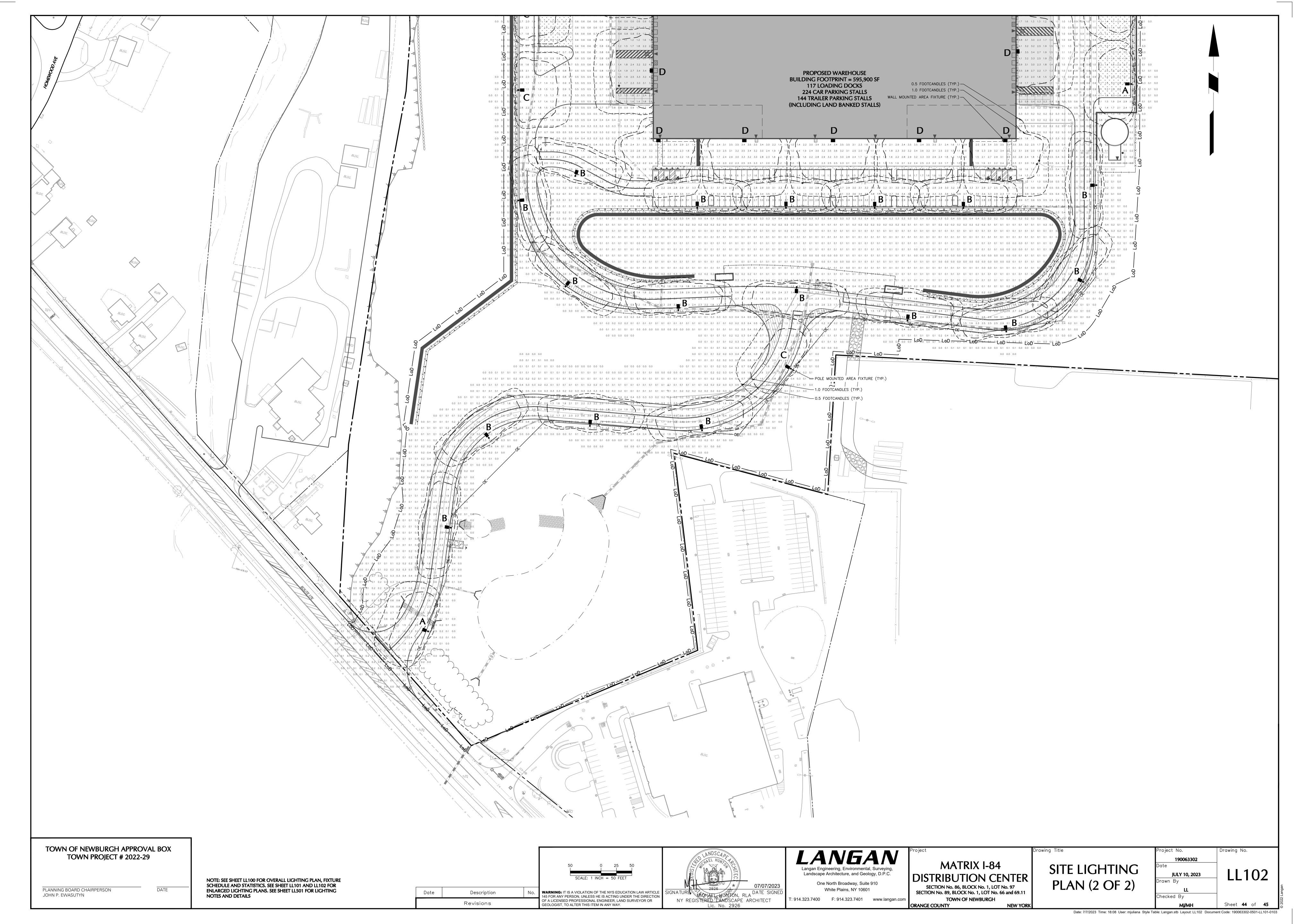
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SITE LIGHTING NOTES:

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

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

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

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

COORDINATION

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

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

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

UNSATISFACTORY CONDITIONS.

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

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

ADJUSTMENT AND INSPECTION

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

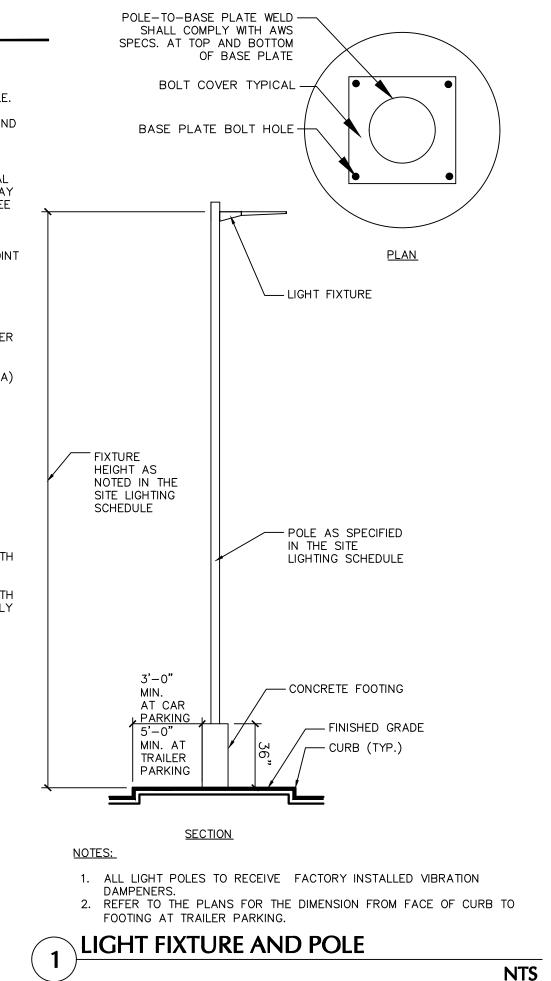
REQUIREMENTS FOR ALTERNATES

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

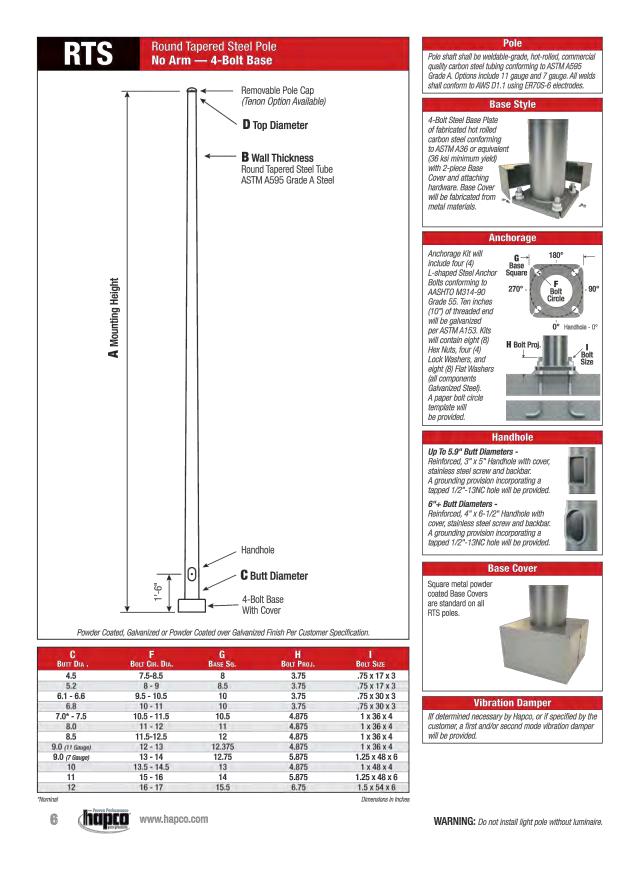
- BE ENTIRELY BORNE BY THE CONTRACTOR B. COMPUTER PREPARED PHOTOMETRIC LAYOUT OF THE PROPOSED LIGHTED AREA WHICH INDICATES, BY ISOFOOTCANDLE, THE SYSTEM'S PERFORMANCE. C. A PHOTOMETRIC REPORT FROM A NATIONAL INDEPENDENT TESTING LABORATORY WITH REPORT NUMBER, DATE, FIXTURE CATALOG NUMBER, LUMINAIRE AND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

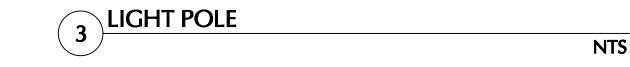
F. A COLOR PHOTOGRAPH THAT CLEARLY SHOWS THE REPLACEMENT FIXTURE POLE MOUNTED, THE

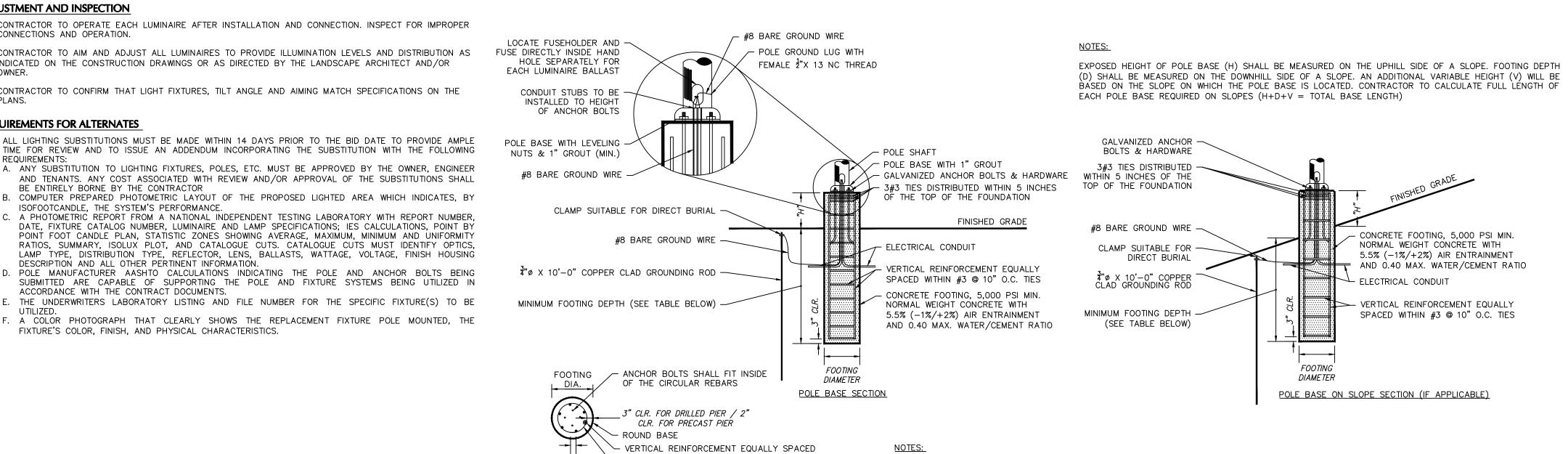
FIXTURE'S COLOR, FINISH, AND PHYSICAL CHARACTERISTICS.











CIRCLE TEMPLATE SHALL BE FURNISHED BY POLE MANUFACTURER.

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

<u>PLAN</u>

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

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

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

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

LIGHT POLE BASE

NTS

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

PLANNING BOARD CHAIRPERSON JOHN P. EWASUTYN

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

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





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

NEW YORK

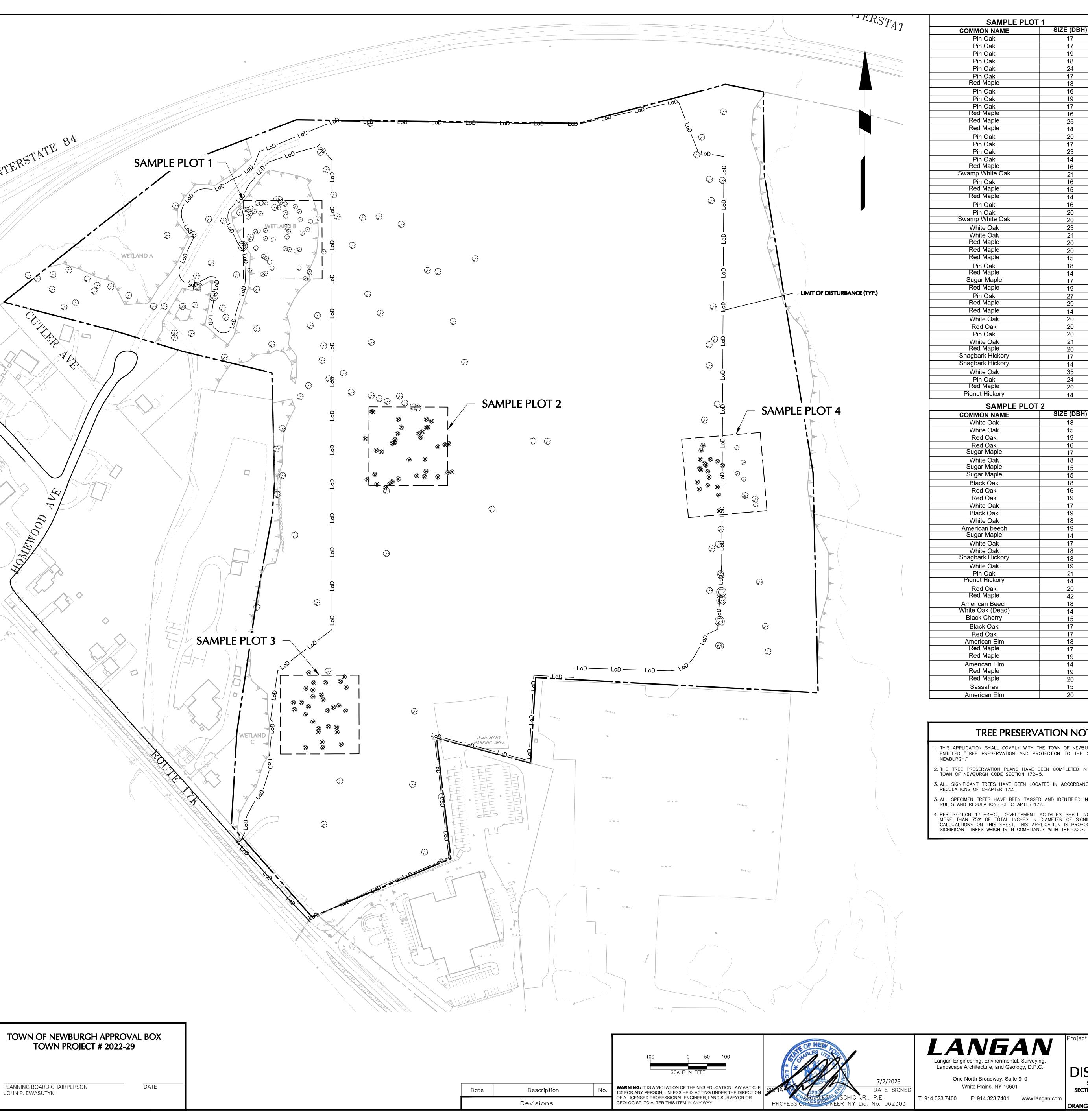
ORANGE COUNTY

SITE LIGHTING **NOTES & DETAILS**

190063302 **JULY 10, 2023** Checked By

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

Drawing No. LL501



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

TREE PRESERVATION NOTES

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

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

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

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

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

OVERALL TREE PRESERVATION PLAN

190063302 Checked By

Date: 7/7/2023 Time: 16:51 User: Imcmahon Style Table: Langan.stb Layout: TP100 Document Code: 190063302-0301-LS101-0101

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