

McGOEY, HAUSER and EDSALL CONSULTING ENGINEERS D.P.C.

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Principal Emeritus: RICHARD D. McGOEY, P.E. (NY & PA) WILLIAM J. HAUSER, P.E. (NY, NJ & PA)

TOWN OF NEWBURGH PLANNING BOARD TECHNICAL REVIEW COMMENTS

PROJECT:	A. DUIE PYLE MAINTENANCE BUILDING
PROJECT NO.:	19-09
PROJECT LOCATION:	SECTION 95, BLOCK 1, LOT 69.1 & 79
REVIEW DATE:	11 APRIL 2019
MEETING DATE:	18 APRIL 2019
PROJECT REPRESENTATIVE:	LANGDON ENGINEERS/Justin Macalintal, Snr. Staff Engineer

- 1. Detail Sheets contain a detail for thrust blocks. Town of Newburgh requires restrain joint pipe. Restrain joint pipe details and chart should be added to the plans.
- 2. Fire/potable water service detail does not comply with Town of Newburgh standards. The fire shut off valve must be located upstream of the potable water valve such that potable water is terminated when fire service supply is terminated.
- **3.** The Building Departments attention is called to the turnstile access gate. It is unclear if this gate provides for accessible access to the sight.
- 4. The sanitary sewer pump station report should identify operating flows, pressures and head. It appears that the pump station will only have capacity for 230 gallons of storage. Additional storage may be required or confirmation that the facility is connected to a generator should be provided. Details for the sanitary sewer connection to the proposed dog house manhole should be provided.
- **5.** The specified pump station appears to have a 4 inch DWV pipe inlet connection while plans identify a minimum 6 inch diameter SDR35 pipe.
- 6. Previous comment identified the discharge of the emergency spillway at the retaining wall. Response identifies that rip rap will be provided at base of wall. This should be depicted on the Grading and Drainage Plan.
- **7.** Details of the pneumatic valve proposed for diversion of runoff versus truck wash should be provided on the plans.
- 8. A Stormwater Pollution Prevention Plan has been revised pursuant to our previous comments.

Member

Regional Office • 111 Wheatfield Drive • Suite 1 • Milford, Pennsylvania 18337 • 570-296-2765 •



The Stormwater Pollution Prevention Plan now addresses the 110% treatment of the water quality volume, stormwater hot spot design, and installation of proprietary water quality product on the existing stormwater collection and conveyance system.

9. A Stormwater Facilities Maintenance Agreement must be provided prior to final approval. Stormwater Facilities Maintenance Agreement should address the entire site.

Respectfully submitted,

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

Patrick J. Hines Principal PJH/kbw

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Technical Excellence Practical Experience Client Responsiveness

April 9, 2019

Mr. John Ewasutyn Town of Newburgh Planning Board 308 Gardnertown Road Newburgh, New York 12550

Re: A.Duie Pyle Maintenance Building Responses to Technical Review Comments Project No.:PB 2019-09 Langan Project No.: 190048601

Dear Mr Ewasutyn:

On behalf of the Applicant, A. Duie Pyle, please accept this resubmission package in response to the technical review comment letters dated March 15, 2019 and March 21, 2019 for the above referenced project. Enclosed for your review are fourteen (14) copies of the following documents:

- A. "Site Plan and Lot Line Change Documents for A. Duie Pyle Maintenance Building," prepared by Langan, revised April 9, 2019 (12 sheets);
- Boundary and Topogrpahic Survey," prepared by Langan, dated January 24, 2019 (1 sheet);
- C. Stormwater Pollution Prevention Plan," prepared by Langan, revised April 9, 2019 (narrative only);
- D. "Sanitary Sewer Report," prepared by Langan, dated April 9, 2019.

The following is an itemized response to the Technical Review comments (comments are italicized and our responses are in bold text):

Review Letter prepared by Creighton Manning Engineers, dated March 15, 2019

Comment 1. The existing employee parking lot surface is rough. The plan shows that the existing 23-space lot will be resurfaced, stopping short of the concrete driveway. We recommend that the resurface extend all the way to the concrete driveway, an additional ±260 SF. In addition, the 13-space employee parking lot could use a resurfacing, or at a minimum, the parking stalls restriped to Town standards.

One North Broadway, Suite 910 White Plains, NY 10601 T: 914.323.7400 F: 914.323.7401 www.langan.com New Jersey • New York • Connecticut • Pennsylvania • Washington, DC • Virginia • West Virginia • Chio • Florida • Texas • Arizona • California Abu Dhabi • Athens • Doha • Dubai • London • Panama

Response: The Applicant agrees to mill and overlay the employee parking area in the front of the property. See sheet 4 of 12 of the revised site plans.

- *Comment 2.* The site plan should show new striping for the two existing employee parking lots.
- Response: The plans were revised to show the two existing employee parking lots to be restriped. See sheet 4 of 12 of the revised site plans.
- *Comment 3.* We concur with the narrative that project will not add any substantial increase in traffic or trucks.

Response: Comment noted.

Comment 4. Independent of this project, we note that the exit curb of Corporate Boulevard at Route 17K is being damaged by trucks turning right from the project. Tractor trailers off-track over the curb, damaging it and the signal pullbox (see photos below). The signal appears to be a permit signal, so the ultimate responsibility for repair or correction may fall to the park owner. Whether part of this project or independently, we suggest discussing this condition with NYSDOT.

Response: The damaged exit curb of Corporate Boulevard and Route 17K will be brought to the attention of the park owner.

Review Letter prepared by McGoey, Hauser and Edsall, dated March 21, 2019

Comment 1. Project involves a lot line change between the proposed project and the adjoining lot owned by Matrix Newburgh I, LLC. Lot line change proposes to transfer 2.94 acres from the Matrix parcel to the A. Duie Pyle parcel. A review of the Bulk Table for both parcels identifies continued compliance with all Bulk Table regulations after the lot line change. No zoning deficiencies are identified.

Response: Comment noted.

Comment 2. Water connection to the building must be designed to separate the fire flow and potable water systems whereby if fire flow systems are terminated potable water to the building is terminated. Typical detail for Town of Newburgh is required.



- Response: The utility plan was revised to show separate fire flow and potable water service lines to the proposed maintenance building. Water utility details for the Town of Newburgh were added to the detail sheets.
- *Comment 3.* Sanitary sewer design incorporates a proposed oil/water separator and pump station with force main. Design report and design details for this must be provided. Sizing of the oil/water separator as well as design of all the pump station must be included.
- Response: The proposed oil/water separator and pump station were designed based on an anticipated sanitary demand of 800± gallons per day. The project will include an oil/water separator with a 1,250 gallon capacity (50% additional reserve capacity over sanitary demand) and a low pressure pump station (E/One Model WH231 or approved equal) capable of conveying 850 gallons per day.
- Comment 4. A review of the drainage plans identify "overflow from water recycling containment." This overflow from the recycled containment should be discharged to the sanitary sewer system and not the stormwater system. Project site discharge is tributary to a NYSDEC Class A Watershed.
- Response: The wash bay operates such that, when in use, excess water from the trucks is collected by the trench drains and conveyed to a clarifier tank where it is treated and recycled for future washes. An overflow discharge pipe from the clarifier tank sends excess water to the oil/water separator and is then pumped to the on-site gravity sewer line. When the wash bay is not in operation, an automated 3-way pneumatic valve reroutes the stormwater runoff collected from the trench drains to a roof leader that discharges to the pretreatment swale. Details of the wash bay piping infrastructure will be provided when filing for the building permit.
- Comment 5. A City of Newburgh Flow Acceptance letter for the increased flow from the maintenance building and wash bays must be received
- Response: A City of Newburgh Flow Acceptance Letter has been sent to James Osborne, Town Engineer requesting for permission to discharge into the Town sanitary sewer collection system. A response letter from the City of Newburgh will be distributed upon receipt.



Comment 6. Check grading at proposed swale from passenger parking lot. A defined swale should be located in this area as all run off from the parking lot will discharge via the drop curb to the rip rap in this vicinity.

Response: The grading around the passenger parking lot has been revised to establish a more defined swale to the bioretention basin. See sheet 6 of 12 of the revised site plans.

- Comment 7. Accessible parking spaces are depicted on the opposite side of the fence. Applicants are requested to evaluate the accessible route as a row of parking exists on the interior side of the fence. A gate is identified in this vicinity as well.
- Response: The site plans were revised to remove employee parking spaces inside the fenced area in order to keep employee traffic and truck traffic separate for safety purposes. The proposed handicap spaces are located next to the proposed turnstile entrance to the facility. See sheet 4 of 12 of the revised site plans.
- Comment 8. This office is reviewing a Stormwater Pollution Prevention Plan submitted for the project. Initial review identifies that the project has not been evaluated as a stormwater hot spot in accordance with the NYSDEC design manual Section 4.11. Project design utilizing bio- retention with infiltration practices should be further evaluated.
- Response: The bioretention basin detail was revised to show a 30 mil PVC liner as accepted by the NYSDEC when treating hot spot runoff. Therefore, the bioretention basin serves as a filtration practice and complies with Section 4.11 of the NYSDEC Design Manual.
- Comment 9. Project is located within a City of Newburgh tributary to Class A stream. Town of Newburgh policy is to require 110% treatment of the water quality volume.
- Response: According to the NYSDEC Design Manual, the calculated WQv is 10,176 cubic-feet. 110% of the WQv is 11,194 cubic-feet. The bioretention basin has been resized to a volume of 11,688 cubic-feet which exceeds 110% treatment of the water quality volume. See sheet 6 of 12 of the revised site plans and the revised SWPPP for more information.

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- Comment 10. While portions of the site are considered re-development, no stormwater improvements have been identified on the existing site. Existing site was constructed prior to stormwater regulations being in effect. It is requested the Applicant evaluate implementation of Best Management Practices which could be utilized to retro-fit/treat stormwater from the existing site.
- Response: The Applicant agrees to install two hydrodynamic separators to replace two existing catch basins in order to treat the existing impervious area of the site that will remain undisturbed during construction. Doing so will exceed the NYSDEC requirements for redevelopment projects and further improve the water quality for the Town and City of Newburgh. See sheet 6 of 12 of the revised site plans and the revised SWPPP for more information.
- Comment 11. Extensive retaining walls are proposed along the eastern portion of the site. Design of these retaining walls should be incorporated into the plan sheets. An evaluation as to the impacts of the retaining wall on Stormwater Management Facilities located in close proximity should be prepared.
- Response: The site plan was revised to include a segmental block wall detail. The structural design of the retaining wall will be included with our application for building permit.
- Comment 12. Pre-treatment of stormwater discharging to the bio-retention area is required.
- Response: The project proposes a pre-treatment forebay that provides 3,525 cubic-feet of pre-treatment at the east end of the property and a pre-treatment swale that provides 2,145 cubic-feet of pre-treatment along the north face of the maintenance building prior to discharging to the bioretention basin. Both pre-treatment practices meet the required volumes per the NYSDEC Design Manual. See Appendix E of the revised SWPPP.
- *Comment 13. Emergency spill way for bio-retention area discharges at a retaining wall, this should be further evaluated.*

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Response: The emergency spillway elevation for the bioretention basin was set to the 100-year water surface elevation (EL: 442.0) with 1 foot of freeboard to the top of the berm. The spillway and retaining wall were redesigned to include rip rap at the bottom of the wall to prevent eroding the soil during storm events beyond the 100-year storm. See sheet 6 of 12 of the revised site plans.

We trust that the above responses and enclosed documents satisfy the comment letters pertaining to this application. If you have any questions or require additional information, please do not hesitate to contact us.

Sincerely,

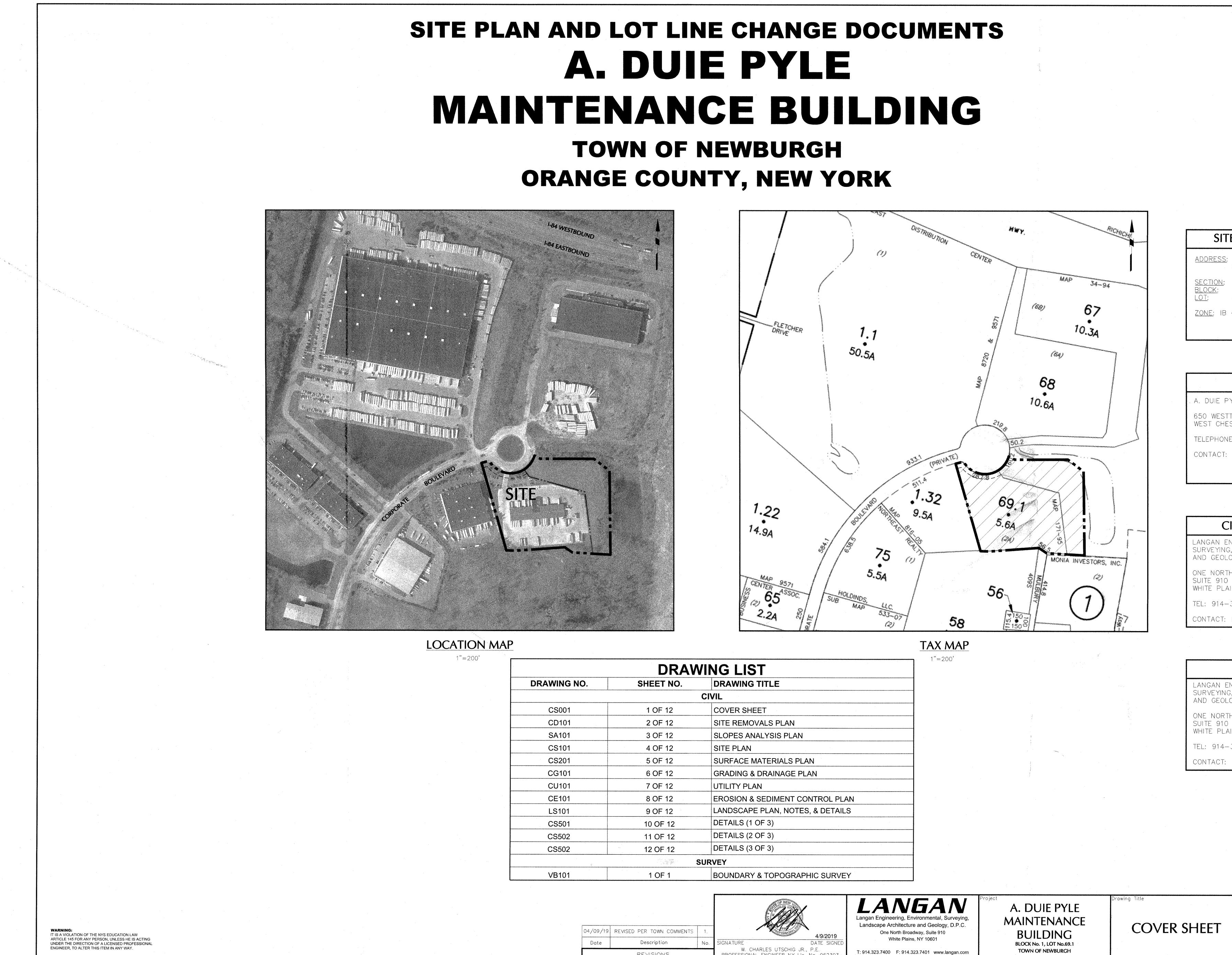
Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.

W. Charles Utschig, Jr., P.E. Associate

MF/Ir

 Cc: Michael H. Donnelly, Esq. Patrick Hines – McGoey, Hauser and Edsall Consulting Engineers, D.P.C. Kenneth Wersted, PE – Creighton Manning Engineering, LLP Timothy Koch – A. Duie Pyle Greg Seifert – Geis Companies David Everett, Esq. – Whiteman Osterman & Hanna, LLP Michael Finan, PE - Langan

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CS001	1 OF 12	COVER SHEET		
CD101	2 OF 12	SITE REMOVALS PLAN		
SA101	3 OF 12	SLOPES ANALYSIS PLAN		
CS101	4 OF 12	SITE PLAN		
CS201	5 OF 12	SURFACE MATERIALS PLAN		
CG101	6 OF 12	GRADING & DRAINAGE PLAN		
CU101	7 OF 12	UTILITY PLAN		
CE101	8 OF 12	EROSION & SEDIMENT CONT		
LS101	9 OF 12	LANDSCAPE PLAN, NOTES, &		
CS501	10 OF 12	DETAILS (1 OF 3)		
CS502	11 OF 12	DETAILS (2 OF 3)		
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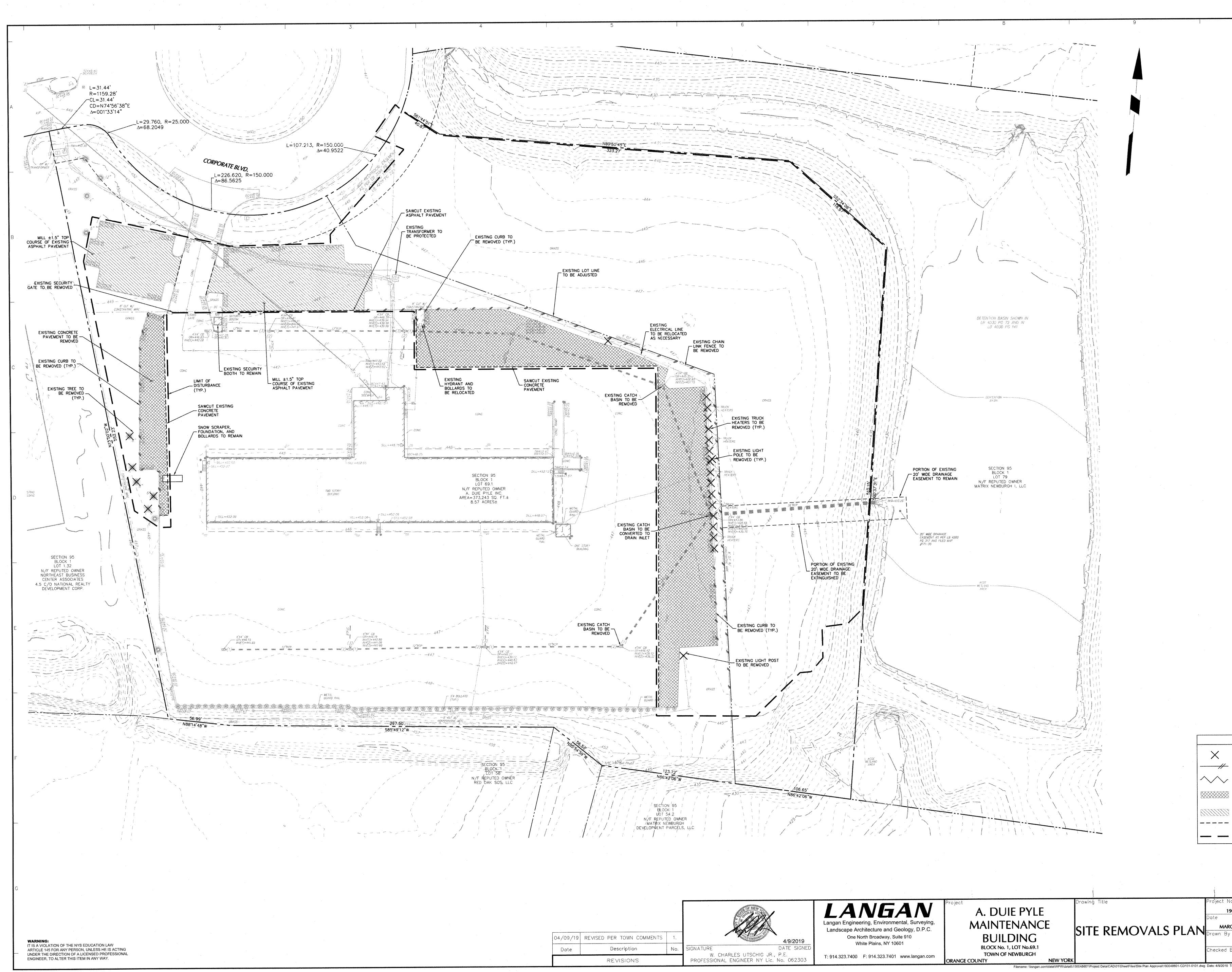
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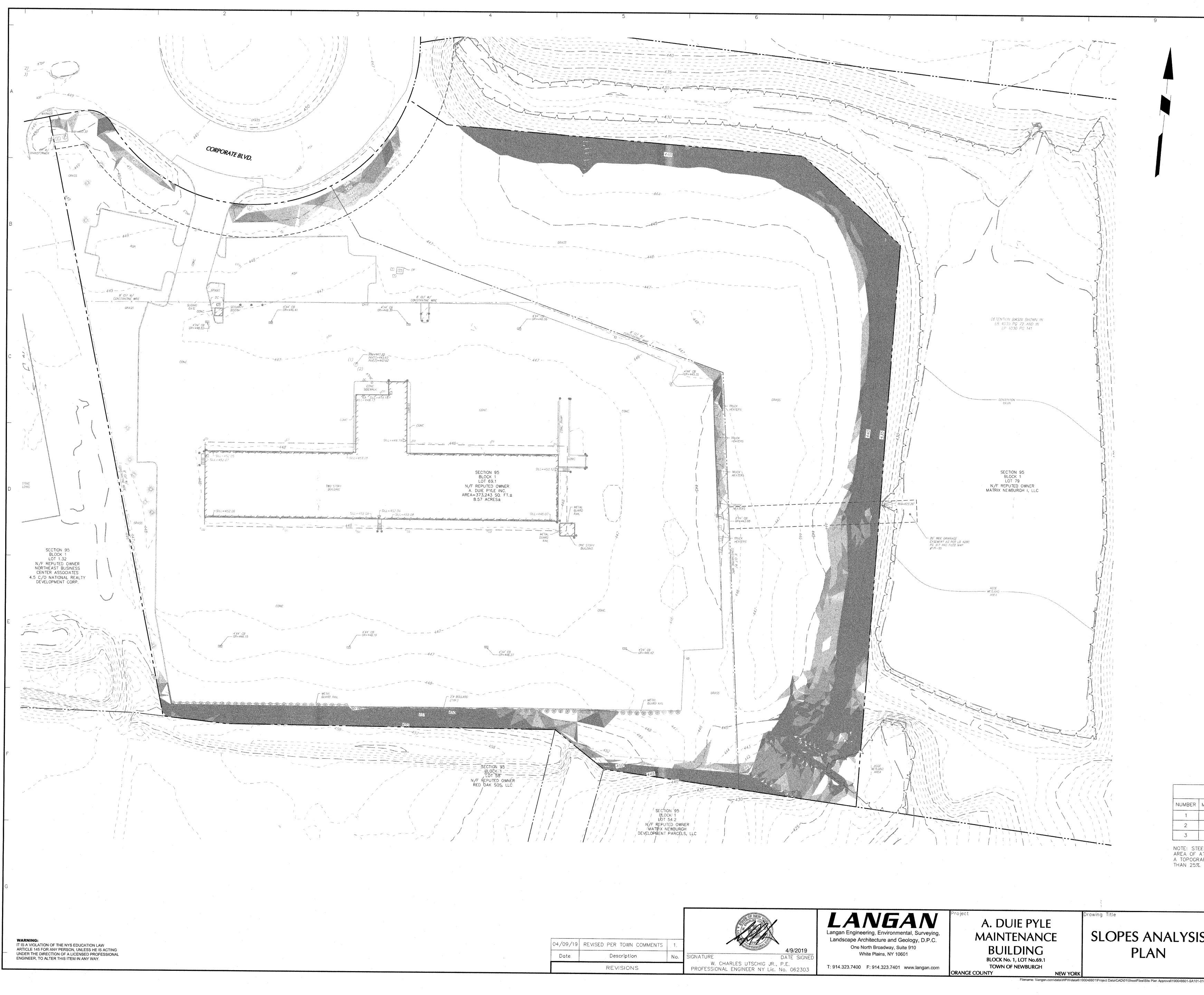
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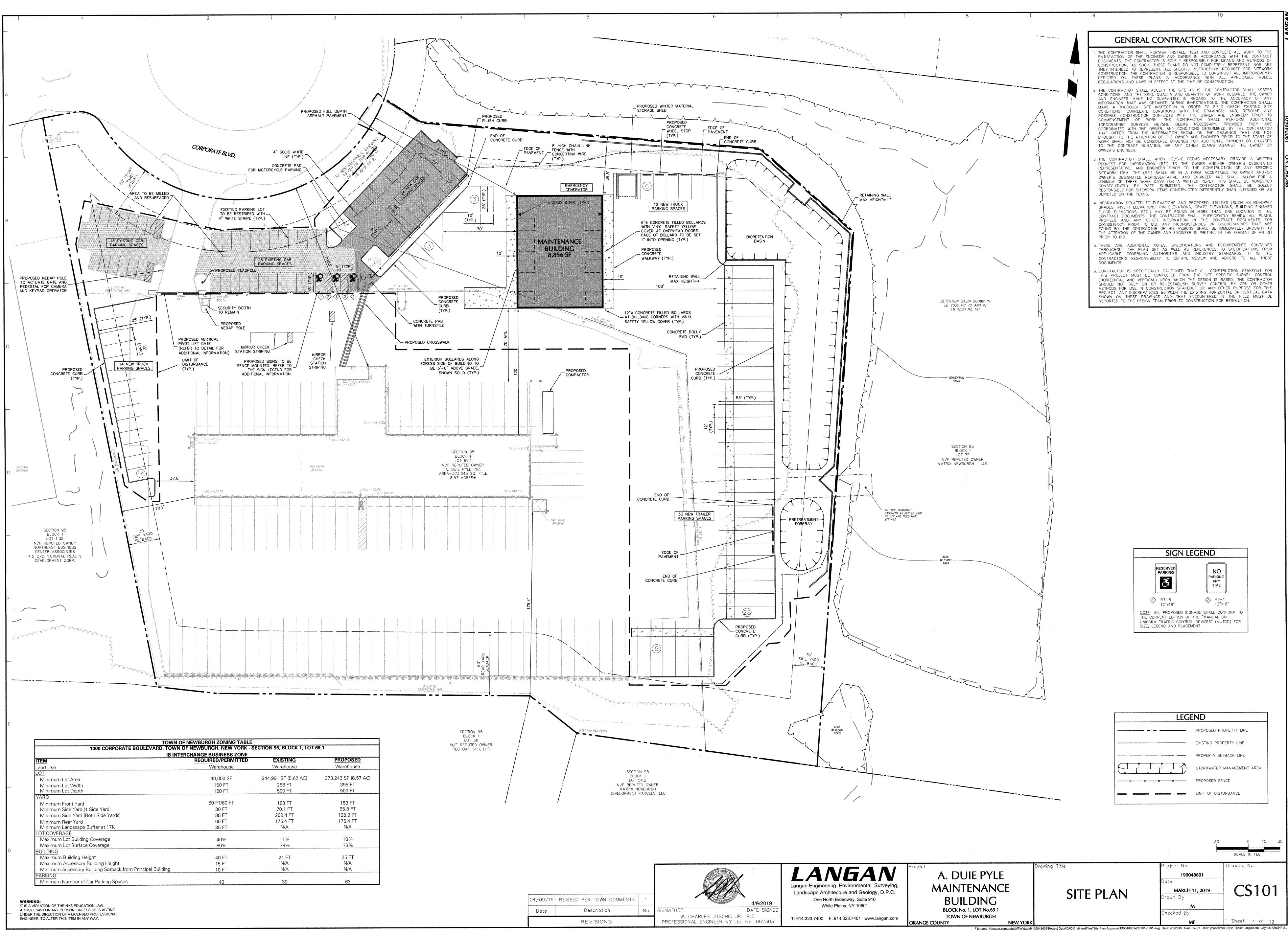
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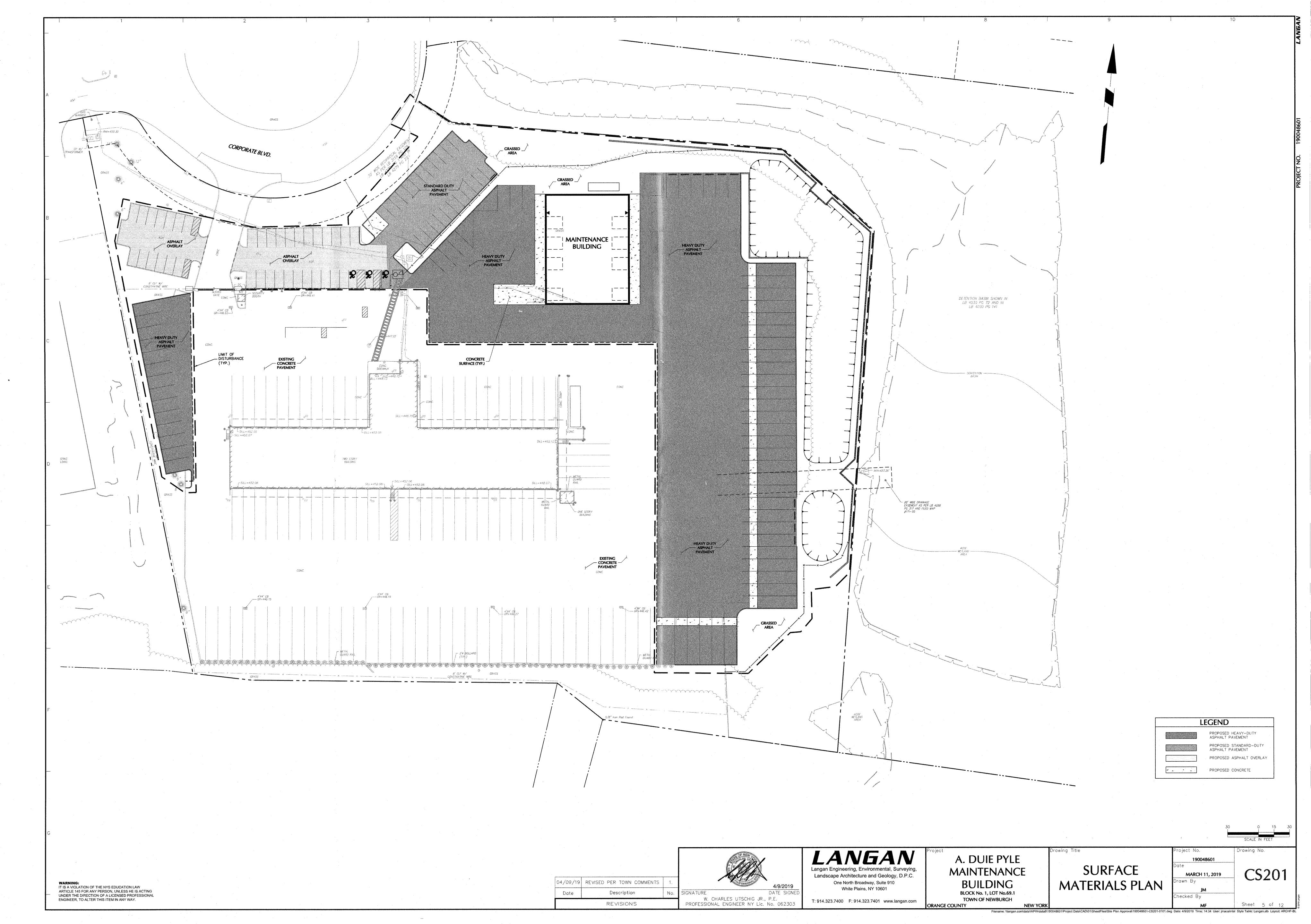


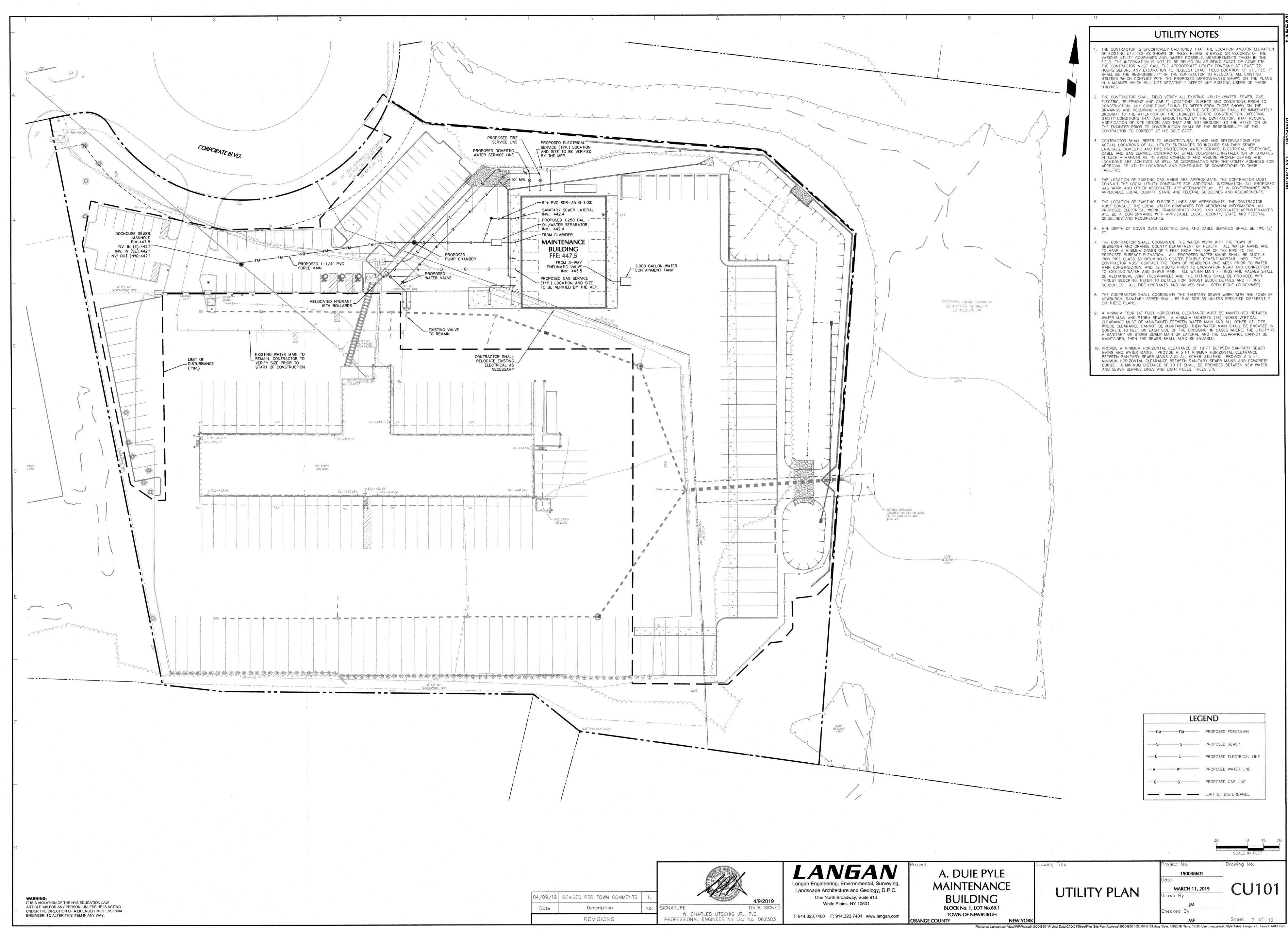


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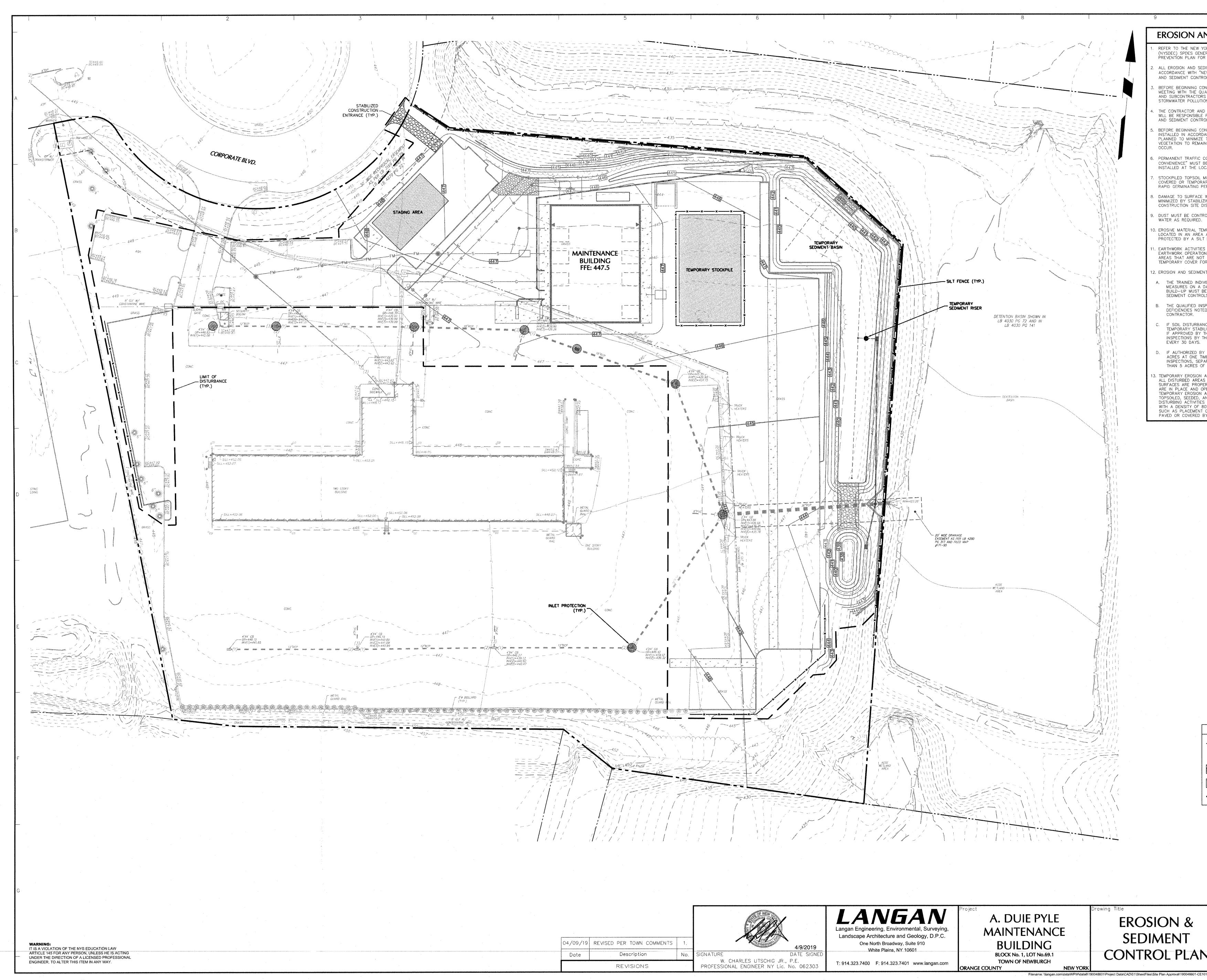
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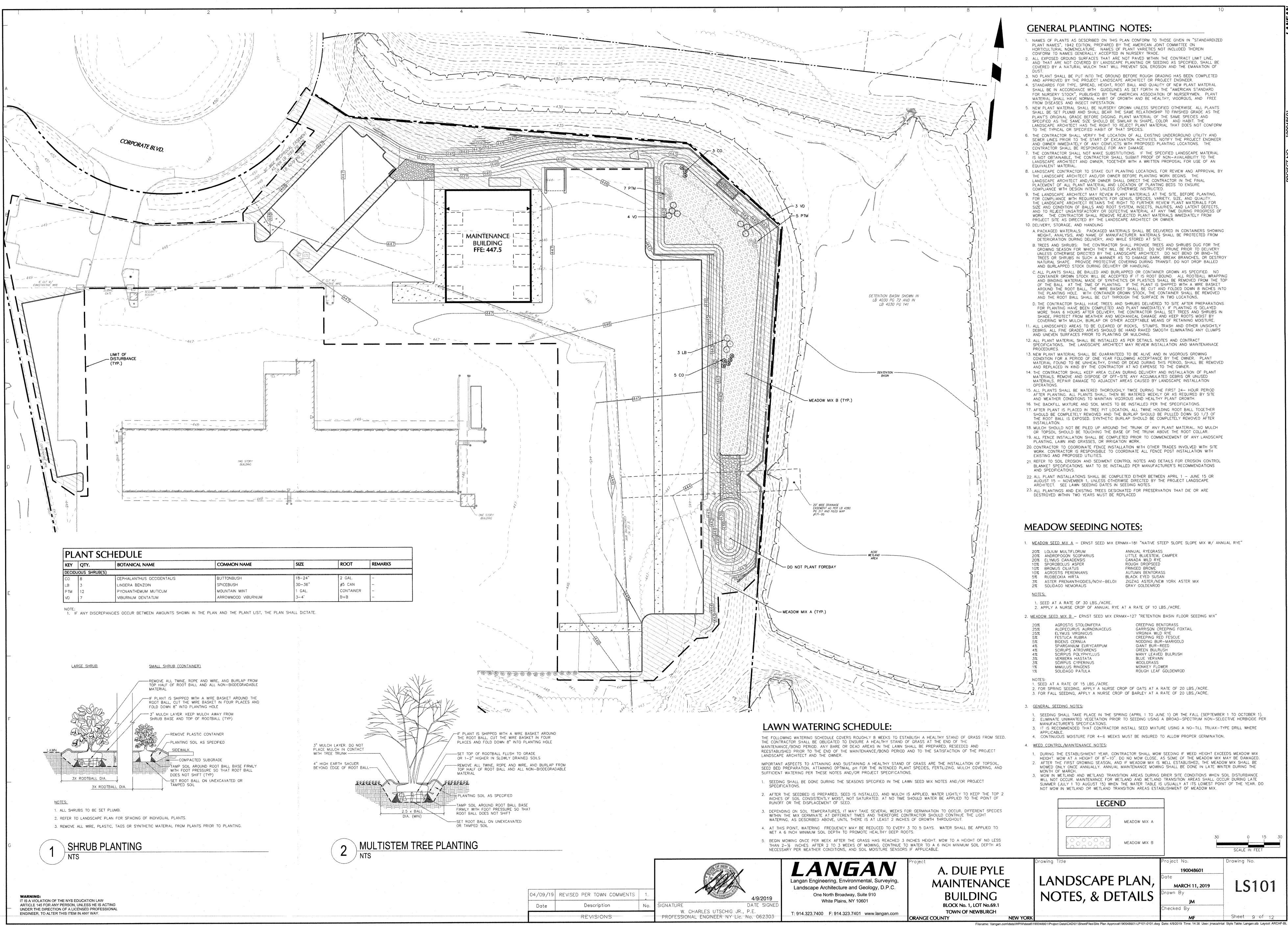
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GENERAL PLANTING NOTES:

- 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 COVERED BY LANDSCAPE PLANTING OR SEEDING AS SPECIFIED, SHALL BE
- 3. NO PLANT SHALL BE PUT INTO THE GROUND BEFORE ROUGH GRADING HAS BEEN COMPLETED AND APPROVED BY THE PROJECT LANDSCAPE ARCHITECT OR PROJECT ENGINEER. 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. 7. 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
- 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 SHALL 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 WITH REQUIREMENTS FOR GENUS, SPECIES, VARIETY, SIZE, AND QUALITY.
- 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 DELIVERY, AND WHILE STORED AT SITE. B. 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.
- C. ALL PLANTS SHALL BE BALLED AND BURLAPPED OR CONTAINER GROWN AS SPECIFIED. NO CONTAINER GROWN STOCK WILL BE ACCEPTED IF IT IS ROOT BOUND. ALL ROOTBALL WRAPPING AND BINDING MATERIAL 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, THE CONTAINER SHALL BE REMOVED AND THE ROOT BALL SHALL BE CUT THROUGH THE SURFACE IN TWO LOCATIONS. 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 FINE GRADED AREAS SHOULD BE HAND RAKED SMOOTH ELIMINATING ANY CLUMPS AND UNEVEN SURFACES PRIOR TO PLANTING OR MULCHING. 12. ALL PLANT MATERIAL SHALL BE INSTALLED AS PER DETAILS, NOTES AND CONTRACT SPECIFICATIONS. THE LANDSCAPE ARCHITECT MAY REVIEW INSTALLATION AND MAINTENANACE
- 13. NEW PLANT MATERIAL SHALL BE GUARANTEED TO BE ALIVE AND IN VIGOROUS GROWING CONDITION FOR A PERIOD OF ONE YEAR 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.
- 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 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 VIGOROUS AND HEALTHY PLANT GROWTH. 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 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 AND GRASSES, OR IRRIGATION WORK. 20. CONTRACTOR TO COORDINATE FENCE INSTALLATION WITH OTHER TRADES INVOLVED WITH SITE WORK, CONTRACTOR IS RESPONSIBLE TO COORDINATE ALL FENCE POST INSTALLATION WITH EXISTING AND PROPOSED UTILITIES. 21 REFER TO SOIL EROSION AND SEDIMENT CONTROL NOTES AND DETAILS FOR EROSION CONTROL BLANKET SPECIFICATIONS. MAT TO BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS
- 22. ALL PLANT INSTALLATIONS SHALL BE COMPLETED EITHER BETWEEN APRIL 1 JUNE 15 OR AUGUST 15 NOVEMBER 1, UNLESS OTHERWISE DIRECTED BY THE PROJECT LANDSCAPE
- ARCHITECT. SEE LAWN SEEDING DATES IN SEEDING NOTES. 23. ALL PLANTINGS AND EXISTING TREES DESIGNATED FOR PRESERVATION THAT DIE OR ARE DESTROYED WITHIN TWO YEARS MUST BE REPLACED

MEADOW SEEDING NOTES:

	1. S 2. A	EED AT	A RATE NURSE	OF 30 CROP C	LBS./A	CRE. IAL RYE	AT A RAT	-
2.	MEADO	DW SEED	MIX B	- ERNS	T SEED	MIX ERN	MX-127 "	۶E
	5% 4% 4% 3% 3% 1%	19 20 20 20 20 20 20 20 20 20 20 20 20 20				EUS M	CRI GAI VIR CRI GIA GIA BLU WO MO RO	
	2. FC 3. FC	ED AT D DR SPRIN DR FALL	NG SEED SEEDING	G, APPLI	LY A N	IURSE CF	OP OF OA OF BARL	.T E
3.			EDING N					
	2. E M 3. I A	LIMINATI IANUFAC T IS RE(PPLICAE	E UNWA CTURER'S COMMENI BLE.	NTED VE S SPECIFI DED THA	GETATIO ICATION T CONT	N PRIOR S. RACTOR	ING (APRIL TO SEEDII INSTALL SI MUST BE	ΞE
4.	WEED) CONTR		ITENANC	<u>e note</u>	<u>S:</u>		
	H 2. A M 3. M 3. N S	IEIGHT. I AFTER TI IOWED C IONTH C IONTH C IOW IN ILL NOT SUMMER	MOW AT HE FIRS DNLY ON F MARC WETLAN OCCUR (JULY 1	A HEIGH T GROWIN CE 'ANNU H. D AND W . MAINTE TO AUG	HT OF 8 NG SEAS JALLY. / /ETLAND NANCE SUST 15	"-10". D SON, AND ANNUAL TRANSIT FOR WET) WHEN	RACTOR S O NO MOV IF MEADO MAINTENAN TON AREAS LAND AND THE WATEF NSITION AR	
					LE	GENI	D	
						2	MEADOW	N
			_{[7}		ad your Sad			

NAMES OF PLANTS AS DESCRIBED ON THIS PLAN CONFORM TO THOSE GIVEN IN "STANDARDIZED

COVERED BY A NATURAL MULCH THAT WILL PREVENT SOIL EROSION AND THE EMANATION OF

THE LANDSCAPE ARCHITECT RETAINS THE RIGHT TO FURTHER REVIEW PLANT MATERIALS FOR SIZE AND CONDITION OF BALLS AND ROOT SYSTEM, INSECTS, INJURIES, AND LATENT DEFECTS,

"NATIVE STEEP SLOPE SLOPE MIX W/ ANNUAL RYE" RYEGRASS UESTEM, CAMPER WILD RYE DROPSEED BROME BENTGRASS YED SUSAN ASTER/NEW YORK ASTER MIX LDENROD

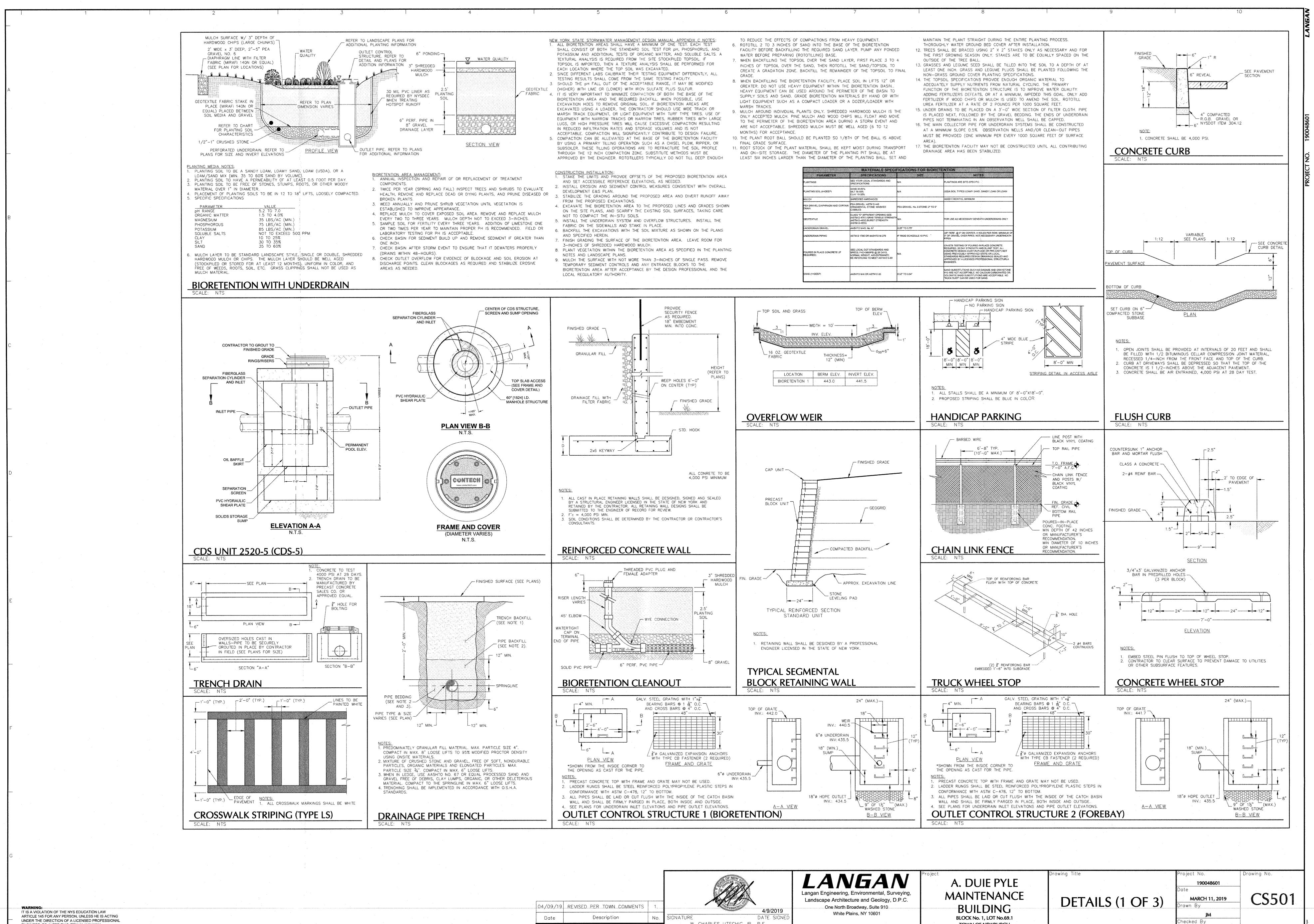
OF 10 LBS./ACRE. "RETENTION BASIN FLOOR SEEDING MIX" EEPING BENTGRASS RRISON CREEPING FOXTAIL GINIA WILD RYE EEPING RED FESCUE DDING BUR-MARIGOLD ANT BUR-REED EEN BULRUSH NY LEAVED BULRUSH JE VERVAIN OLGRASS NKEY FLOWER UGH LEAF GOLDENROD

DATS AT A RATE OF 20 LBS. / ACRE. RLEY AT A RATE OF 20 LBS./ACRE.

1 TO JUNE 1) OR THE FALL (SEPTEMBER 1 TO OCTOBER 1). ING USING A BROAD-SPECTRUM NON-SELECTIVE HERBICIDE PER SEED MIXTURE USING A NO-TILL TRUAX-TYPE DRILL WHERE INSURED TO ALLOW PROPER GERMINATION.

HALL MOW SEEDING IF WEED HEIGHT EXCEEDS MEADOW MIX CLOSE, AS SOME OF THE MEADOW MIX MAY BE DAMAGED. OW MIX IS WELL ESTABLISHED, THE MEADOW MIX SHALL BE NCE MOWING SHALL BE DONE IN LATE WINTER DURING THE DURING DRIER SITE CONDITIONS WHEN SOIL DISTURBANCE WEILAND TRANSITION AREAS SHALL OCCUR DURING LAT TABLE IS USUALLY AT ITS LOWEST POINT OF THE YEAR. DO REAS ESTABLISHMENT OF MEADOW MIX.

-	
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Project No.	Drawing No.
MARCH 11, 2019 Drown By JM	LS101
	Project No. 190048601 Date MARCH 11, 2019 Drawn By



ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

Date REVISIONS

W. CHARLES UTSCHIG JR., P.E. PROFESSIONAL ENGINEER NY Lic. No. 062303

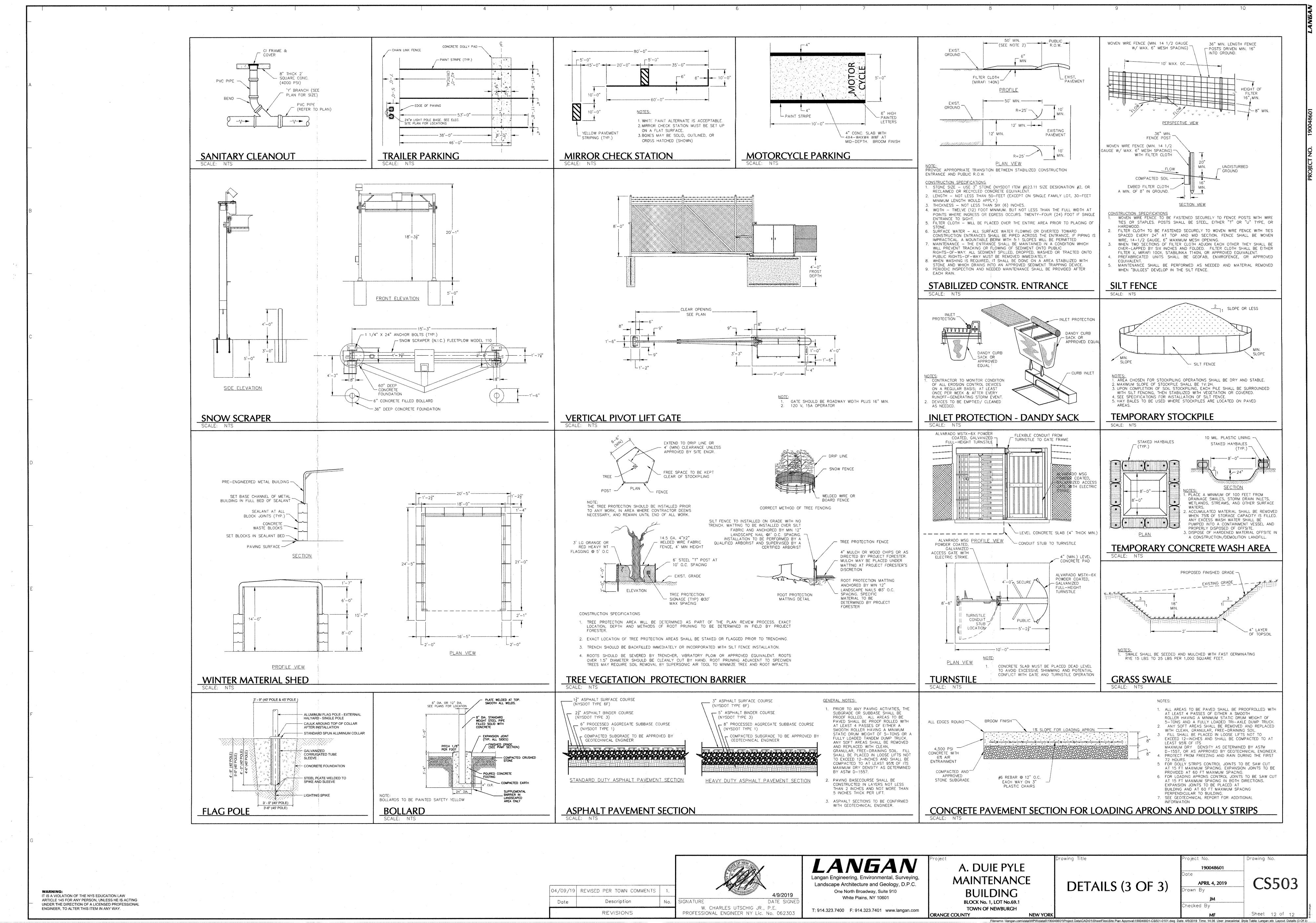
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Date	Description	

