

TE: UNAUTHORIZED ALTERATIONS OR ADDITIONS TO THIS DRAWING IS A VIOLATION OF SECTION 7209 (2) OF THE NEW YORK STATE EDUCATION LAW

SITE DATA:

OWNER / DEVELOPER:

JACK AHEARN 20 PARK ROAD

PROJECT LOCATION:

BRIARCLIFF MANOR, NY, 10510 3451 LEXINGTON AVE CORTLANDT, NEW YORK, 10547 HC, HIGHWAY COMMERCIAL **AUTO STORAGE** SECTION 13.19, BLOCK 2, LOT 2

TOWN TAX MAP DATA: **SEWAGE FACILITIES:**

16.55 ACRES (720,911 SF) ONSITE SSTS PUBLIC WATER FACILITIES

ZONING DISTRICT:	HC - Hig	ghway Commercial	
DIMENSIONAL REGULATIONS:	REQUIRED	PROVIDED	VARIANCE REQUIRED
MINIMUM SIZE OF LOT:			
MINIMUM LOT AREA:	20,000 SF.	720,911 SF.	NONE
MINIMUM LOT WIDTH:	100 FT.	407.4 FT.	NONE
MINIMUM YARD DIMENSIONS:			
PRINCIPAL BUILDING:			
FRONT YARD SETBACK:	30 FT.	37.5 FT.	NONE
REAR YARD SETBACK:	30 FT.	706.6 FT.	NONE
SIDE YARD SETBACK:	30 FT.	48.2 FT.	NONE
ACCESSORY BUILDINGS:			
FRONT YARD SETBACK:	30 FT.	267.9	NONE
REAR YARD SETBACK:	30 FT.	644.9 FT.	NONE
SIDE YARD SETBACK:	30 FT.	62.2 FT.	NONE
MAXIMUM % OF LOT TO BE OCCUPIED:			
PRINCIPAL BUILDING COVERAGE:	20% OF LOT AREA	4.9 % OF LOT AREA	NONE
	144,182.20 SF	34,880 SF	NONE
MAXIMUM HEIGHT:			
PRINCIPAL BUILDING - FEET:	35 FEET	34.51 FEET	NONE
PRINCIPAL BUILDING - STORIES:	2 1/2	2 1/2	NONE
ACCESSORY BUILDING - FEET:			NONE
ACCESSORY BUILDING - STORIES:			NONE

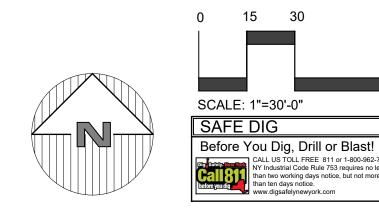
PARKING SCHEDULE

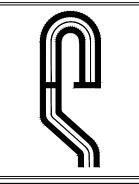
CAR STORAGE BUILDING:	1 SPACES PER 1000 SF OF BUILDING @56,000 = 56 SPACES
ACCESSORY STORAGE/ AUTO REPAIR BUILDING:	1 SPACES PER 1000 SF OF BUILDING @ 1880 = 2 SPACES 1 SPACES PER 150 SF OF BUILDING @ 1880 = 13 SPACES
SHOWROOM BUILDING:	1 PER 400 SF OF HABITABLE GROUND FLOOR SPACE @ 9,760 = 24 SPACES
TOTAL REQUIRED PARKING:	95 SPACES
TOTAL PROVIDED PARKING:	82 STANDARD
	6 HANDICAP
TOTAL PROVIDED PARKING:	88 SPACES
PARKING VARIANCE REQUIRED:	0 SPACES

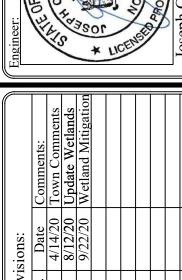
THE SITE IS LOCATED IN A FEMA ZONE X DESIGNATED AS BEING OUTSIDE OF 0.2% CHANCE FLOOD

TOWN NOTES:

- 1. PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES, ALL TOWN AND NYSDEC WETLANDS SHALL BE RE-FLAGGED AND SURVEYED. THE WETLAND BOUNDARIES SHALL BE INCLUDED IN THE STAKE OUT LIMIT
- 2. PRIOR TO THE ISSUANCE OF A BUILDING PERMIT, THE APPLICANT SHALL OBTAIN COVERAGE UNDER THE NYSDEC SPDES GENERAL PERMIT FOR CONSTRUCTION ACTIVITY.
- 3. PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, AN OWNER OR OPERATOR SHALL HAVE EACH CONTRACTOR AND SUBCONTRACTOR, THAT HAS BEEN IDENTIFIED AS BEING RESPONSIBLE FOR IMPLEMENTATION OF THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP), IDENTIFY AT LEAST ONE EMPLOYEE FROM THEIR COMPANY (TRAINED CONTRACTOR) THAT HAS RECEIVED 4 HOURS OF ENDORSED E&SC TRAINING. THE TRAINED CONTRACTOR MUST BE ON SITE ON A DAILY BASIS WHEN SOIL DISTURBANCE ACTIVITIES ARE BEING PERFORMED AND WILL BE RESPONSIBLE FOR IMPLEMENTATION OF THE PRACTICES INCLUDED IN THE SWPPP.
- 4. AN OWNER OR OPERATOR OF A REGULATED CONSTRUCTION PROJECT, WITH SOME EXCEPTIONS, SHALL HAVE A QUALIFIED INSPECTOR CONDUCT SPECIFIC SITE INSPECTIONS. CERTAIN QUALIFIED INSPECTORS WHO WORK ON THESE SITES (I.E., INDIVIDUALS WORKING UNDER DIRECT SUPERVISION OF, AND AT THE SAME COMPANY AS, A LICENSED PROFESSIONAL ENGINEER OR REGISTERED LANDSCAPE ARCHITECT OF NYS) ARE REQUIRED TO COMPLETE 4 HOURS OF E&SC TRAINING UNDER THE GENERAL PERMIT.
- 5. A ROAD OPENING PERMIT FILED WITH THE TOWN'S DEPARTMENT OF ENVIRONMENTAL SERVICES IS REQUIRED FOR ANY WORK WITHIN THE TOWN RIGHT-OF-WAY. CONTACT DES AT 914-737-0100.
- 6. A WATER AND SEWER SERVICE PERMITS SHALL BE FILED WITH THE TOWN'S DEPARTMENT OF ENVIRONMENTAL SERVICES AS SHOWN ON THE APPROVED PLANS PRIOR TO THE RELEASE OF ANY BUILDING PERMIT.
- 7. NO RECYCLED MATERIAL SHALL BE BROUGHT TO THE SITE WITHOUT PRIOR TOWN OF CORTLANDT WRITTEN ACKNOWLEDGEMENT. ALL RECYCLED MATERIAL MUST BE COMPLIANT WITH THE NYSDEC'S BENEFICIAL USE
- DETERMINATION AND BE UNCONTAMINATED. 8. FILL MATERIAL PROPOSED TO BE IMPORTED AS PART OF THIS PROJECT SHALL MEET THE MATERIALS TESTING
- PROTOCOLS OF THE TOWN OF CORTLANDT AND NYSDEC AS MEET THE CRITERIA OF UNRESTRICTED FILL. 9. CONCRETE AND OTHER WASTE MATERIAL SHALL NOT BE LEFT ON SITE. ALL MATERIALS SHALL BE DISPOSED OF IN A LAWFUL MANNER.
- 10. PRIOR TO THE ISSUANCE OF ANY CERTIFICATE OF OCCUPANCY, THE APPLICANT'S ENGINEER SHALL SUBMIT HYDROLOGIC AND HYDRAULIC CALCULATIONS AND SHALL CERTIFY THAT ALL STORM WATER INFRASTRUCTURE IS IN SUBSTANTIAL CONFORMANCE TO THE APPROVED PLANS AND THAT NO IMPACT TO ADJACENT OR ADJOINING LANDOWNERS OCCURRED.
- 11. THE APPLICANT IS AWARE THAT THE ENTIRE SITE MUST BE 100% STABILIZED PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY/COMPLIANCE. DISTURBED AREAS SHALL BE RESTORED AND STABILIZED APPROPRIATELY IN A TIMELY MANNER. A NOTICE OF TERMINATION SHALL BE FILED WITH THE NYSDEC PRIOR TO
- THE ISSUANCE OF A CERTIFICATE OF COMPLIANCE. 12. PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY/COMPLIANCE, THE DESIGNER OF RECORD SHALL PROVIDE A SIGNED AND SEALED LETTER ADDRESSED TO "WHOM IT MAY CONCERN," STATING THAT THERE IS NO ADVERSE IMPACT TO ADJACENT OR ADJOINING
- 13. THE TOWN SHALL NOT PROVIDE PICKUP FOR TRASH ENCLOSURE AT THIS LOCATION.







GENERAL NOTES:

- 1. THE ENGINEER WHOSE SEAL APPEARS HEREON HAS NOT BEEN RETAINED FOR SUPERVISION OF CONSTRUCTION, SUBSEQUENTLY,HE IS NOT RESPONSIBLE FOR CONSTRUCTION AND THEREFORE ASSUMES NO RESPONSIBILITY FOR CONSTRUCTION PRACTICES, PROCEDURES, AND RESULTS THEREFROM.
- 2. THE ENGINEER SHALL NOT BE HELD RESPONSIBLE OR HELD ACCOUNTABLE FOR THE INTEGRITY OF ANY STRUCTURES CONSTRUCTED OR UNDER
- THE TOWN ENGINEER'S OFFICE AND WATER DISTRICT OFFICE IS TO BE NOTIFIED 24 HOURS BEFORE COMMENCING SITE CONSTRUCTION OR WATER MAIN CONNECTION.
- 4. ALL WORK IS TO BE IN ACCORDANCE WITH THE TOWN CODE OF PRACTICE AND SPECIFICATIONS.
- ALL CONDITIONS, LOCATIONS, AND DIMENSIONS SHALL BE FIELD VERIFIED AND THE ENGINEER SHALL BE IMMEDIATELY NOTIFIED OF ANY DISCREPANCIES. 6. ALL CHANGES MADE TO THE PLANS SHALL BE APPROVED BY THE ENGINEER WHOSE SEALAPPEARS ON THESE DRAWINGS. ANY SUCH CHANGES SHALL BE
- FILED AS AMENDMENTS TO THE ORIGINAL BUILDING PERMIT.

CONSTRUCTION PRIOR TO THE APPROVAL OF THE PLANS.

- 7. ALL WRITTEN DIMENSIONS ON THE DRAWINGS SHALL TAKE PRECEDENCE OVER ANY SCALED DIMENSIONS
- 8. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CALL IN A "CODE 53" PRIOR TO CONSTRUCTION FOR UNDERGROUND UTILITY LOCATIONS. 9. SUBSTRUCTURES AND THEIR ENCROACHMENTS BELOW GRADE, IF ANY, ARE NOT SHOWN.
- 9. ANY PROPOSED ELECTRIC AND/OR TELEPHONE SERVICE LINES ARE TO BE PLACED UNDERGROUND.
- THE DESIGN ENGINEER DISCLAIMS ANY LIABILITY FOR DAMAGE OR LOSS INCURRED DURING OR AFTER CONSTRUCTION.
- 11. ALL CONDITIONS, LOCATIONS AND DIMENSIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR AND THE OWNER/ENGINEER NOTIFIED IN WRITING OF ANY DISCREPANCIES PRIOR TO THE START OF WORK. THE OWNER/ENGINEER WILL EVALUATE THE SITUATION AND MODIFY THE PLAN AS NECESSARY.

CONTRACTOR RESPONSIBILITIES:

- 1. ALL WORK ON THE PROJECT SHALL BE PERFORMED IN A WORKMAN LIKE MANNER AND SHALL BE IN ACCORDANCE WITH THE STANDARDS OF THE INDUSTRY. THE OWNER WILL BE THE SOLE JUDGE OF THE ACCEPTABILITY OF THE WORK. MATERIALS AND WORK DEEMED UNACCEPTABLE WILL BE REMOVED AND REDONE AT THE SOLE COST AND RESPONSIBILITY OF THE CONTRACTOR.
- 2. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT HIS WORK AND WILL BE HELD RESPONSIBLE FOR CONSEQUENTIAL DAMAGES DUE TO HIS ACTIVITIES. THE CONTRACTOR SHALL BE RESPONSIBLE TO THE OWNER FOR THE ACTS AND OMISSIONS OF HIS EMPLOYEE, AND THEIR AGENTS AND
- EMPLOYEES, AND ANY OTHER PERSONS PERFORMING ANY THE WORK UNDER A SEPARATE CONTRACT WITH THE CONTRACTOR.
- 3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROPERLY SHORE EXISTING UTILITIES IF REQUIRED BY CONSTRUCTION. 4. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE THE BUILDING INSPECTOR IN ADVANCE OF HIS WORK OR AS THE INSPECTOR DEEMS
- 5. ALL CONDITIONS, LOCATIONS AND DIMENSIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR AND THE OWNER/ENGINEER NOTIFIED IN WRITING OF ANY DISCREPANCIES PRIOR TO THE START OF WORK. THE OWNER/ENGINEER WILL EVALUATE THE SITUATION AND MODIFY THE PLAN AS NECESSARY.
- 6. ALL CHANGES MADE TO THIS PLAN SHALL BE APPROVED BY THE ENGINEER WHOSE SEAL APPEARS ON THESE DRAWINGS. ANY UNAUTHORIZED ALTERATION OR ADDITIONS TO THIS DRAWING IS A VIOLATION OF SECTION 7209 (2) OF THE NEW YORK STATE EDUCATION LAW.
- 7. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK USING HIS BEST SKILL AND ATTENTION. HE SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THIS
- CONTRACT
- 8. THE CONTRACTOR SHALL BE RESPONSIBLE TO THE OWNER FOR THE ACTS AND OMISSIONS OF HIS EMPLOYEES, SUBCONTRACTORS, AND THEIR AGENTS AND EMPLOYEES, AND ANY OTHER PERSONS PERFORMING ANY OF THE WORK UNDER A CONTRACT WITH THE CONTRACTOR.
- 9. THE CONTRACTOR SHALL VERIFY ALL SUBSTRUCTURES ENCOUNTERED DURING CONSTRUCTION. 10. THE CONTRACTOR SHALL SECURE & PAY FOR A BUILDERS RISK POLICY TO COVER THE PERIOD OF CONSTRUCTION. THE ENGINEER & OWNER SHALL BE NAMED AS ADDITIONAL INSURED. ALL CONTRACTORS EMPLOYED AT THE SITE SHALL BE COVERED BY WORKMAN'S COMPENSATION.

GENERAL CONSTRUCTION NOTES:

- 1. BENCH MARKS USING U.S.G.S. DATUM SHALL BE OF SUCH ELEVATION THAT THE GROUND WILL SLOPE AWAY FROM IT IN ALL DIRECTIONS. 2. CONSTRUCTION ACTIVITY SHALL BE LIMITED FROM 8:00 A.M. TO 6 P.M., AND NO CONSTRUCTION ACTIVITY SHALL OCCUR ON SUNDAYS OR LEGAL NEW YORK STATE HOLIDAYS. WHERE BLASTING IS NECESSARY, IT SHALL OCCUR FROM MONDAY THROUGH FRIDAY BETWEEN THE HOURS OF 8:00 A.M. AND 6:00 P.M. NO BLASTING SHALL OCCUR ON HOLIDAYS, SATURDAY OR SUNDAY. ALL BLASTING SHALL ALSO BE COMPLETED IN ACCORDANCE WITH THE TOWN OF
- CORTLANDT AND NEW YORK STATE BLASTING ORDINANCES. 3. ANY SOIL THAT IS UNSUITABLE FOR DEVELOPMENT OF BUILDINGS OR ROADWAYS SHALL BE REMOVED FROM AREAS TO BE DEVELOPED AND SHALL BE DISPOSED OF WITHIN THE SITE IN NEW EMBANKMENTS WHERE STRUCTURAL LOADING, I.E. A BUILDING OR ROADWAY, WILL NOT TAKE PLACE. WHEN CONSTRUCTION IS PROPOSED TO OCCUR IN SPECIFIC AREAS WHERE SOILS ARE OF QUESTIONABLE SUITABILITY, THE APPLICANT SHALL PROVIDE SOILS ENGINEERING REPORTS AS REQUIRED BY THE PLANNING BOARD ENGINEER, PRIOR TO THE CONSTRUCTION OF ROADWAYS AND, AS REQUIRED BY THE BUILDING INSPECTOR, PRIOR TO THE ISSUANCE OF A BUILDING PERMIT.
- 4. NO TOPSOIL SHALL BE REMOVED FROM THE SITE.
- 5. ROCK CUT STABILITY IS TO BE FIELD VERIFIED BY GEOTECHNICAL ENGINEER AND SHALL BE MODIFIED IF REQUIRED. 6. NO CRUSHING/PROCESSING IS PERMITTED ON THE SITE WITHOUT PRIOR APPROVAL BY THE TOWN OF CORTLANDT PLANNING BOARD.

GENERAL STORM DRAINAGE & UTILITY NOTES

- 1. ALL UTILITIES, INCLUDING ELECTRIC LINES, TELEPHONE, WATER, SANITARY SEWER LINES, AND STORM SEWER LINES SHALL BE LOCATED UNDERGROUND AND SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE TOWN OF CORTLANDT AND THE UTILITY COMPANIES HAVING JURISDICTION.
- 2. LOCATION OF GAS AND WATER VALVES, ELECTRIC AND TELEPHONE POLES ARE TO BE DETERMINED BY PROPER AUTHORITIES AND APPROVED, AS TO LOCATION, BY THE TOWN ENGINEER. 3. EACH BUILDING CONSTRUCTED HEREON SHALL BE OF SUCH AN ELEVATION THAT THE GROUND WILL SLOPE AWAY FROM IT IN ALL DIRECTIONS. IN THE EVENT THAT
- THIS IS NOT FEASIBLE, THE CONTRACTOR SHALL INSTALL TYPICAL YARD DRAINS AS REQUIRED AND CONNECT THEM TO THE STORM DRAINAGE SYSTEM OR AS 4. ROOF LEADERS AND FOOTING DRAINS SHALL EMPTY INTO THE STORM DRAINAGE SYSTEM OR DISCHARGE DIRECTLY TO STORMWATER MANAGEMENT SYSTEMS IF
- GRADES PERMIT, AND CONNECTION TO THE STORM SYSTEM IS NOT FEASIBLE, FOOTING DRAINS ONLY MAY DISCHARGE TO DAYLIGHT AT THE REAR OF BUILDINGS. FOOTING DRAINS SHALL EXTEND A MINIMUM OF 30 FT. FROM THE REAR FACE OF THE BUILDING WHEN POSSIBLE. UNDER NO CIRCUMSTANCES SHALL THE DISCHARGE OF GROUND WATER OR STORM WATER, EITHER BY GRAVITY OR BY PUMPING, BE DISCHARGED TO ANY SANITARY SEWER SYSTEM
- 5. ANY REVISIONS AND/OR ADDITIONS TO THE ROAD STORM DRAINAGE SYSTEMS CURRENTLY SHOWN ON THE PLANS WHICH ARE DEEMED NECESSARY DURING CONSTRUCTION MUST BE MADE BY THE CONTRACTOR AS REQUIRED BY THE TOWN AND SHALL BE SHOWN ON THE AS-BUILT DRAWINGS.
- 6. STORM DRAIN PIPING TO BE HIGH DENSITY POLYETHYLENE AS SHOWN ON THE CONSTRUCTION DRAWINGS. MINIMUM COVER TO BE 2' UNLESS OTHERWISE
- 7. INTERCEPTOR DRAINS ARE TO BE INSTALLED WHERE REQUIRED BY THE TOWN OR PROJECT ENGINEER DURING ROAD CONSTRUCTION.
- 8. ALL EXISTING UNDERGROUND DRAINS ENCOUNTERED DURING CONSTRUCTION OF PROPOSED ROADS ARE TO BE CONNECTED TO PROPOSED DRAINAGE IMPROVEMENTS. CONNECTIONS TO BE APPROVED BY THE TOWN ENGINEER.
- 9. PRIOR TO FINAL APPROVAL AND OPERATION OF DRAINAGE SYSTEM, CONTRACTOR SHALL CLEAR ALL ACCUMULATED SEDIMENT AND/OR DEBRIS FROM DRAINAGE STRUCTURES, MANHOLES, CULVERTS, OUTLETS AND DRAIN INLETS. ENGINEER SHALL BE NOTIFIED FOR FINAL INSPECTION.
- 10. ALL STRUCTURES SHALL BE SET ONE INCH BELOW PAVEMENT.
- 11. STREET OPENING PERMIT FROM THE TOWN OF CORTLANDT D.P.W. MAY BE REQUIRED FOR INSTALLATIONS IN PUBLIC ROADS.

WALL NOTES:

- 1. EXCAVATION IN GENERAL SHALL CONFORM TO THE LINES AND GRADES SHOWN ON THE CONTRACT DRAWINGS.
- 2. THE ENGINEER SHALL BE NOTIFIED OF UNSUITABLE SUB-GRADE SOILS PRIOR TO PLACEMENT OF WALL.
- 3. WALLS TO BE CONSTRUCTED ON VIRGIN IN-SITU SOIL SHALL HAVE A MINIMUM ALLOWABLE BEARING CAPACITY OF 2 TSF. ALL OTHER CONDITIONS SHALL BE APPROVED BY THE GEOTECHINICAL ENGINEER.
- 4. TO INSURE A PROPER BEARING SURFACE, THE WALL SHALL BE CONSTRUCTED ON NATURAL IN-SITU SOIL, THE CONTRACTOR SHALL STRIP ALL TOP SOIL. THE AREA
- SHALL THEN BE COMPACTED USING SUITABLE COMPACTION EQUIPMENT. A MINIMUM OF 3 PASSES SHALL BE MADE. 5. WALLS SHALL NOT BE CONSTRUCTED ON WET OR FROZEN GROUND. 6. SOILS USED AS BACKFILL SHALL CONSIST OF CLEAN DRY SOIL. THE MATERIAL SHALL BE GRANULAR AND FREE OF ORGANIC OR OTHER DELETERIOUS MATERIAL. IN
- GENERAL THE SOIL SHALL BE NON- PLASTIC WITH A PLASTICITY INDEX LESS THAN 5 AND SHALL CONFORM TO THE AASHTO SOIL CLASSIFICATION SYSTEM FOR AN "A-1-A" SOIL . HOWEVER THE MAXIMUM SIZE SHALL BE 6". IN GENERAL ALL FILL SHALL BE APPROVED BY THE ENGINEER PRIOR TO IT'S USE. WET MATERIAL OR UNSUITABLE MATERIAL SHOULD NOT BE USED.
- 7. BACKFILL SHALL BE PLACED AND COMPACTED IN A MAXIMUM 12" LIFTS.
- 8. ALL BOULDER RETAINING WALLS SHALL HAVE A GEOTEXTILE FABRIC BACKING FOR THE FULL HIEGHT OF THE WALL AS MANUFACTURED BY MIRAFI OR APPROVED
- 9. IF GROUNDWATER IS ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY TO DETERMINE IF THE ADDITION OF AN UNDERDRAIN MAY BE REQUIRED. 10. THE CONTRACTOR SHALL NOT USE LARGE OR HEAVY CONSTRICTION EQUIPMENT WITHIN 5' OF THE RETAINING WALLS OR NEW FOUNDATION WALLS. HAND
- OPERATED COMPACTING EQUIPMENT SHALL BE USED WITHIN 5' OF THE WALL FACE. 11. ALTERNATE WALL DESIGNS MUST BE SEALED BY A NEW YORK STATE LICENSED PROFESSIONAL ENGINEER THE MINIMUM FACTORS OF SAFETY FOR SLIDING AND OVERTURNING SHALL BE 2.0.

MAINTENANCE SCHEDULE:

	DAILY	WEEKLY	MONTHLY	AFTER RAINFALL	NECESSARY TO MAINTAIN FUNCTION	AFTER APPROVAL OF INSPECTOR
SILT FENCE			INSP.	INSP.	CLEAN/ REPLACE	REMOVE
WHEEL CLEANER	CLEAN				REPLACE	REMOVE
INLET PROTECTION		INSP.	INSP.	CLEAN	REPLACE	REMOVE

MAINTENANCE OF PERMANENT CONTROL STRUCTURES DURING CONSTRUCTION: The stormwater management system and outlet structure shall be inspected on a regular basis and after every rainfall event. Sediment build up shall be removed from the inlet protection regularly to insure detention capacity and proper drainage. Outlet structure shall be free of obstructions. All piping and drain inlets shall be free of obstruction. Any sediment build up shall be removed.

MAINTENANCE OF CONTROLS AFTER CONSTRUCTION:

Controls (including respective outlet structures) should be inspected periodically for the first few months after construction and on an annual basis thereafter. They should also be inspected after major storm events.

Twice a year, inspect outlet structure and drain inlets for accumulated debris. Also, remove any accumulations during each mowing operation. STRUCTURAL REPAIR/REPLACEMENT

DEBRIS AND LITTER REMOVAL:

Outlet structure must be inspected twice a year for evidence of structural damage and repaired immediately.

Unstable areas tributary to the basin shall immediately be stabilized with vegetation or other appropriate erosion control measures. SEDIMENT REMOVAL

Sediment should be removed after it has reached a maximum depth of five inches above the stormwater management system floor

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GENERAL EROSION CONTROL NOTES:

- 1. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH ALL SEDIMENT AND EROSION CONTROL PRACTICES. THE SEDIMENT AND EROSION CONTROL PRACTICES ARE TO BE INSTALLED PRIOR TO ANY MAJOR SOIL DISTURBANCES, AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED. ROAD SURFACE FLOWS FROM THE SITE SHOULD BE DISSIPATED WITH TRACKING PAD OR APPROPRIATE MEASURES DURING ADJACENT ROAD SHOULDER REGRADING. CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL SOIL EROSION AND
- SEDIMENTATION CONTROL DEVICES THROUGHOUT THE COURSE OF CONSTRUCTION. 2. CATCH BASIN INLET PROTECTION MUST BE INSTALLED AND OPERATING AT ALL TIMES UNTIL TRIBUTARY AREAS HAVE BEEN STABILIZED. WHEN POSSIBLE FLOWS SHOULD BE STABILIZED BEFORE REACHING INLET PROTECTION STRUCTURE. TIMELY MAINTENANCE OF SEDIMENT CONTROL STRUCTURES IS THE RESPONSIBILITY OF THE CONTRACTOR.
- 3. ALL STRUCTURES SHALL BE MAINTAINED IN GOOD WORKING ORDER AT ALL TIMES. THE SEDIMENT LEVEL IN ALL SEDIMENT TRAPS SHALL BE CLOSELY MONITORED AND SEDIMENT REMOVED PROMPTLY WHEN MAXIMUM LEVELS ARE REACHED OR AS ORDERED BY THE ENGINEER. ALL SEDIMENT CONTROL STRUCTURES SHALL BE INSPECTED ON A REGULAR BASIS, AND AFTER EACH HEAVY RAIN TO INSURE PROPER OPERATION AS DESIGNED.
- AN INSPECTION SCHEDULE SHALL BE SET FORTH PRIOR TO THE START OF CONSTRUCTION. 4. THE LOCATIONS AND THE INSTALLATION TIMES OF THE SEDIMENT CAPTURING STANDARDS SHALL BE AS SPECIFIED IN THESE PLANS, AS ORDERED BY
- THE ENGINEER, AND IN ACCORDANCE WITH THE LATEST EDITION OF THE "NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL" (NYSSESC). 5. ALL TOPSOIL SHALL BE PLACED IN A STABILIZED STOCKPILE FOR REUSE ON THE SITE. ALL STOCKPILE MATERIAL REQUIRED FOR FINAL GRADING AND
- STORED ON SITE SHALL BE TEMPORARILY SEEDED AND MULCHED WITHIN 7 DAYS. REFER TO SOIL STOCKPILE DETAILS. 6. ANY DISTURBED AREAS THAT WILL BE LEFT EXPOSED MORE THAN 7 DAYS AND NOT SUBJECT TO CONSTRUCTION TRAFFIC, SHALL IMMEDIATELY RECEIVE TEMPORARY SEEDING. MULCH SHALL BE USED IF THE SEASON PREVENTS THE ESTABLISHMENT OF A TEMPORARY COVER. DISTURBED
- AREAS SHALL NOT BE LIMED AND FERTILIZED PRIOR TO TEMPORARY SEEDING. 7. ALL DISTURBED AREAS WITHIN 500 FEET OF AN INHABITED DWELLING SHALL BE WETTED AS NECESSARY TO PROVIDE DUST CONTROL.
- 8. THE CONTRACTOR SHALL KEEP THE ROADWAYS WITHIN THE PROJECT CLEAR OF SOIL AND DEBRIS AND IS RESPONSIBLE FOR ANY STREET CLEANING NECESSARY DURING THE COURSE OF THE PROJECT.
- 9. SEDIMENT AND EROSION CONTROL STRUCTURES SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE DRAINAGE AREA HAS BEEN PROPERLY STABILIZED BY PERMANENT MEASURES.
- 10. ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH CURRENT EDITION OF NYSSESC.
- 11. ALL REGRADED AREAS MUST BE STABILIZED APPROPRIATELY PRIOR TO ANY ROCK BLASTING, CUTTING, AND/OR FILLING OF SOILS. SPECIAL CARE SHOULD BE TAKEN DURING CONSTRUCTION TO INSURE STABILITY DURING MAINTENANCE AND INTEGRITY OF CONTROL STRUCTURES.
- 12. ANY SLOPES GRADED AT 3:1 OR GREATER SHALL BE STABILIZED WITH EROSION BLANKETS TO BE STAKED INTO PLACE IN ACCORDANCE WITH THE MANUFACTURES REQUIREMENTS. EROSION BLANKETS MAY ALSO BE REQUIRED AT THE DISCRETION OF TOWN OFFICIALS OR PROJECT ENGINEER. WHEN STABILIZED BLANKET IS UTILIZED FOR CHANNEL STABILIZATION, PLACE ALL OF THE VOLUME OF SEED MIX PRIOR TO LAYING NET, OR AS RECOMMENDED BY THE MANUFACTURER.
- 13. TO PREVENT HEAVY CONSTRUCTION EQUIPMENT AND TRUCKS FROM TRACKING SOIL OFF-SITE, CONSTRUCT A PERVIOUS CRUSHED STONE PAD. LOCATE AND CONSTRUCT PADS AS DETAILED IN THESE PLANS.
- 14. CONTRACTOR IS RESPONSIBLE FOR CONTROLLING DUST BY SPRINKLING EXPOSED SOIL AREAS PERIODICALLY WITH WATER AS REQUIRED. CONTRACTOR TO SUPPLY ALL EQUIPMENT AND WATER.
- 15. CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION INSPECTIONS AS PER NYSDEC GP-0-15-002 AND TOWN OF CORTLANDT CODE.

MAINTENANCE OF TEMPORARY EROSION AND SEDIMENT CONTROL STRUCTURES

N.Y.S.D.E.C. GP-0-15-002 EXPOSURE RESTRICTIONS - STATES THAT ANY EXPOSED EARTHWORK SHALL BE STABILIZED IN ACCORDANCE WITH THE

GUIDELINES OF THIS PLAN. 1. TREES AND VEGETATION SHALL BE PROTECTED AT ALL TIMES AS SHOWN ON THE DETAIL DRAWING AND AS DIRECTED BY THE ENGINEER.

- 2. CARE SHOULD BE TAKEN SO AS NOT TO CHANNEL CONCENTRATED RUNOFF THROUGH THE AREAS OF CONSTRUCTION ACTIVITY ON THE SITE 3. FILL AND SITE DISTURBANCES SHOULD NOT BE CREATED WHICH CAUSES WATER TO POND OFF SITE OR ON ADJACENT PROPERTIES. 4. RUNOFF FROM LAND DISTURBANCES SHALL NOT BE DISCHARGED OR HAVE THE POTENTIAL TO DISCHARGE OFF SITE WITHOUT FIRST BEING
- INTERCEPTED BY A CONTROL STRUCTURE, SUCH AS A SEDIMENT TRAP OR SILT FENCE. SEDIMENT SHALL BE REMOVED BEFORE EXCEEDING 50% OF THE RETENTION STRUCTURE'S CAPACITY.
- 5. FOR FINISHED GRADING, ADEQUATE GRADE SHALL BE PROVIDED SO THAT WATER WILL NOT POND ON LAWNS FOR MORE THAN 24 HOURS AFTER RAINFALL, EXCEPT IN SWALE FLOW AREAS WHICH MAY DRAIN FOR AS LONG AS 48 HOURS AFTER RAINFALL.
- 6. ALL SWALES AND OTHER AREAS OF CONCENTRATED FLOW SHALL BE PROPERLY STABILIZED WITH TEMPORARY CONTROL MEASURES TO PREVENT EROSION AND SEDIMENT TRAVEL. SURFACE FLOWS OVER CUT AND FILL AREAS SHALL BE STABILIZED AT ALL TIMES.
- 7. ALL SITES SHALL BE STABILIZED WITH EROSION CONTROL MATERIALS WITHIN 7 DAYS OF FINAL GRADING. 8. TEMPORARY SEDIMENT TRAPPING DEVICES SHALL BE REMOVED FROM THE SITE WITHIN 30 DAYS OF FINAL STABILIZATION.

Existing topsoil will be removed and stored in piles sufficiently as to avoid mixing with other excavation. Stockpiles shall be surrounded by erosion control as

- outlined on these plans. The furnishing of new topsoil shall be of a better or equal to the following criteria (SS713.01 NYSDOT):
- 1. The pH of the material shall be 5.5 to 7.6. 2. The organic content shall not be less than 2% or more than 70%.
- 3. Gradation: SIEVE SIZE % PASSING BY WGT. 2 INCH
- 1 INCH 85 TO 100 1/4 INCH 65 TO 100 NO. 200 MESH 20 TO 80

PERMANENT VEGETATIVE COVER:

1. Site preparation: 1.1. Install erosion control measures.

- Scarify compacted soil areas.
- 1.3. Lime as required to ph 6.5. 1.4. Fertilize with 10-6-4 4 lbs/1,000 S.F.
- Incorporate amendments into soil with disc harrow.
- 2. Seed mixtures for use on swales and cut and fill areas.

MIXTURE		LBS./ACI
ALT. A	KENTUCKY BLUE GRASS	20
	CREEPING RED FESCUE	28
	RYE GRASS OR REDTOP	5
ALT. B	CREEPING RED FESCUE	20
	REDTOP	2

SEEDING

Prepare seed bed by raking to remove stones, twigs, roots and other foreign material.

TALL FESCUE/SMOOTH BLOOMGRASS 20

- Apply soil amendments and integrate into soil.
- Apply seed uniformly by cyclone seeder culti-packer or hydro-seeder at rate indicated. Stabilize seeded areas in drainage swales.
- Irrigate to fully saturate soil layer, but not to dislodge planting soil.
- Seed between April 1st and May 15th or August 15th and October 15th.
- Seeding may occur May 15th and August 15th if adequate irrigation is provided.

TEMPORARY VEGETATIVE COVER:

SITE PREPARATION:

Perennial ryegrass

Cereal oats

1. Install erosion control measures.

4. Lime as required to ph 6.5.

- 2. Scarify areas of compacted soil. 3. Fertilize with 10-10-10 at 400/acre.
- SEED SPECIES: <u>MIXTURE</u> Rapidly germinating annual ryegrass (or approved equal)

SEEDING: Same as permanent vegetative cover

CONSTRUCTION SEQUENCE

REFER TO THE PLAN SET FOR ALL PLANS AND DETAILS WHICH RELATE TO CONSTRUCTION SEQUENCE.



- SURVEYOR, THESE INCLUDE THE BUILDING, LIMITS OF DISTURBANCE, UTILITY LINES, AND STORMWATER PRACTICES. 2. PRIOR TO THE START OF THE PROJECT, AN ON-SITE PRE-CONSTRUCTION MEETING WILL BE HELD. THIS WILL BE ATTENDED BY THE PROJECT OWNER, THE OPERATOR RESPONSIBLE FOR COMPLYING WITH THE APPROVED CONSTRUCTION DRAWINGS INCLUDING THE EROSION AND SEDIMENT CONTROL (E&SC) PLAN AND DETAILS, THE DESIGN ENGINEER, THE ENGINEER RESPONSIBLE FOR E&SC
- MONITORING DURING CONSTRUCTION, TOWN REPRESENTATIVES FROM THE ENGINEERING DEPARTMENT AND CODE ENFORCEMENT. 3. A LICENSED SURVEYOR MUST DEFINE INFRASTRUCTURE LOCATIONS, LIMITS OF DISTURBANCE, STORMWATER MANAGEMENT PRACTICE LIMITS, AND GRADES IN THE FIELD PRIOR TO START OF ANY CONSTRUCTION. LIMITS OF DISTURBANCE SHALL BE MARKED WITH THE INSTALLATION OF CONSTRUCTION FENCE OR APPROVED EQUAL. THE EXTENTS OF THE STORMWATER MANAGEMENT
- SYSTEM SHALL BE CORDONED OFF TO MINIMIZE THE DISTURBANCE ON THIS AREA.
- 4. INSTALL ALL PERIMETER EROSION CONTROL MEASURES, CONSTRUCTION ENTRANCE AS SHOWN ON THE EROSION AND SEDIMENT CONTROL PLAN AND THE ASSOCIATED DETAILS. INSTALL SILT FENCING AT THE BOTTOM OF SLOPES. THE STANDARDS ESTABLISHED IN PART 1.B 1.B OF THE GP-015-002 INCLUDED IN APPENDIX B OF THIS SWPPP MUST BE ADHERED TO.

. BEGIN ROUGH GRADING THE SITE. CONTRACTOR TO LIMIT EXPOSURE OF DENUDED SOILS BY PROVIDING TEMPORARY STABILIZATION

- 5. STRIP SITE, CLEAR VEGETATION, AND PLACE TOPSOIL IN STOCKPILE LOCATIONS SHOWN ON THE PLAN.
- FOR WORK AREAS THAT WILL REMAIN UNDISTURBED FOR OVER SEVEN (7) DAYS. CHIPPED ROCK THAT IS NOT SUITABLE TO REMAIN ON SITE SHALL BE HAULED AWAY AND PROPERLY DISPOSED OF. AN AREA HAS BEEN PROVIDED FOR THE STOCKPILING OF REMOVED SOIL AND ROCK WHICH IS TO BE REMOVED FROM THE SITE.
- 7. ROUGH GRADE THE DRIVEWAY ALONG THE SOUTHERN PROPERTY LINE TO ALLOW FOR THE INSTALLATION OF THE NEW STABILIZED CONSTRUCTION ENTRANCE. THIS ENTRANCE SHALL BE THE MAIN ACCESS POINT FOR EMERGENCY VEHICLES DURING CONSTRUCTION.
- INSTALL STABILIZED CONSTRUCTION ENTRANCE AT LOCATION SHOW ALONG THE SOUTHERN PROPERTY LINE 9. ROUGH GRADE BUILDINGS, DRIVEWAYS, AND PARKING AREAS. DURING THE GRADING OF THE DRIVEWAYS, CONSTRUCT THE RETAINING WALL ALONG THE SOUTHERN AND EASTERN PROPERTY LINES. BEFORE THE REAR PARKING LOT CAN BE CONSTRUCTED, INSTALL THE RETAINING WALL AT THE REAR OF THE SITE.
- 10. BEGIN CONSTRUCTION OF THE MAIN BUILDING. CONSTRUCTION OF THE REAR ACCESSORY BUILDING MAY BEGIN ONCE ENOUGH OF THE DRIVEWAYS HAVE BEEN ROUGH GRADED THAT THE BUILDING AREA MAY BE ACCESSED
- 11. BEGIN THE EXCAVATION AND INSTALLATION OF THE STORMWATER MANAGEMENT SYSTEM. PROTECT TRENCHES AND OPEN EXCAVATIONS FROM EROSION. ENTRY INTO THE SYSTEM SHALL BE BLOCKED OFF UNTIL SITE HAS REACHED FINAL STABILIZATION. ONCE SYSTEM HAS BEEN INSTALLED. BACKFILL. SEED WHERE NECESSARY. AND REINSTALL MEASURES TO CORDON OFF THE SYSTEM
- 12. ONCE THE BUILDING FOUNDATION HAS BEEN INSTALLED, BEGIN CONSTRUCTION OF THE RETAINING WALL ON THE NORTH SIDE OF 13. DURING SITE CONSTRUCTION MAINTAIN AND RE-ESTABLISH AS REQUIRED EROSION CONTROL AND STABILIZATION MEASURES AS
- 14. PRIOR TO THE PLACEMENT OF ANY BINDER COURSE AN AS-BUILT CENTERLINE PROFILE OF THE PROPOSED ROADWAY SHALL BE SUBMITTED FOR REVIEW AND APPROVAL. SPOT ELEVATION SHALL BE SHOWN IN INTERVALS NOT TO EXCEED 100FT AND AT ALL
- DESIGN POINTS. THE PROFILE SHALL BE STATIONED IN ACCORDANCE TO THE APPROVED PROFILE ON FILE WITH THE TOWN. 15. EXCAVATE TO THE SUB-GRADE LEVEL. SCARIFY THE EXISTING SOIL TO A DEPTH OF 12-INCHES BY ROTOTILLING OR OTHER MEANS ACCEPTABLE TO THE ENGINEER. INSTALL ALL COURSES OF STONE AS PER THE SPECIFICATIONS GIVEN ON THE PLAN.
- 16. INSTALL BASE COURSE OF ITEM 4 IN ALL PAVEMENT AREAS. STABILIZE ALL OPEN AREAS WITH SEED AND MULCH. 17. CONSTRUCT REMAINDER OF BUILDING, DRIVEWAY AND PARKING AREAS. FIRST INSTALL CURBS, ASPHALT BINDER, AND CONCRETE

SIDEWALK. ONCE BINDER COURSE IS INSTALLED, DRAINAGE OUTLET MAY BE UNBLOCKED.

18. BACKFILL CURBS, GRADE, PLACE FINAL SOIL TOPPING AND PUT IN PLACE PERMANENT VEGETATIVE COVER OVER ALL DISTURBED AREAS, LANDSCAPE BEDS, SLOPES, ETC. 19. ONCE SITE STABILIZATION HAS TAKEN PLACE (AN AREA SHALL BE CONSIDERED TO HAVE ACHIEVED FINAL STABILIZATION WHEN IT HAS A MINIMUM UNIFORM 80% PERENNIAL VEGETATIVE COVER OR OTHER PERMANENT NON-VEGETATIVE COVER WITH A DENSITY

SUFFICIENT TO RESIST ACCELERATED SURFACE EROSION AND SUBSURFACE CHARACTERISTICS SUFFICIENT TO RESIST SLIDING AND

OTHER MOVEMENTS), REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROLS, UNPLUG THE DRAINAGE SYSTEM TO ALLOW

WINTER STABILIZATION NOTES:

IF CONSTRUCTION ACTIVITIES ARE EXPECTED TO EXTEND INTO OR OCCUR DURING THE WINTER SEASON THE CONTRACTOR SHALL ANTICIPATE PROPER STABILIZATION AND SEQUENCING. CONSTRUCTION SHALL BE SEQUENCED SUCH THAT WHEREVER POSSIBLE AREAS OF DISTURBANCE THAT CAN BE COMPLETED AND PERMANENTLY STABILIZED SHALL BE DONE BY APPLYING AND ESTABLISHING PERMANENT VEGETATIVE COVER BEFORE THE FIRST FROST. AREAS SUBJECT TO TEMPORARY DISTURBANCE THAT WILL NOT BE WORKED FOR AN EXTENDED PERIOD OF TIME SHALL BE TREATED WITH TEMPORARY SEED. MULCH, AND/OR EROSION BLANKETS.

OWNER / OPERATOR CERTIFICATION

RUNOFF TO ENTER THE STORMWATER MANAGEMENT SYSTEM.

"I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. FURTHER, I HEREBY CERTIFY THAT THE SWPPP MEETS ALL FEDERAL. STATE. AND LOCAL EROSION AND SEDIMENT CONTROL REQUIREMENTS. I AM AWARE THAT FALSE STATEMENTS MADE HEREIN ARE PUNISHABLE AS A CLASS A MISDEMEANOR PURSUANT TO SECTION 210.45 OF THE PENAL LAW."

NAME (PLEASE PRINT):	
TITLE:	
DATE:	
ADDRESS:	
PHONE:	
E-MAIL:	
SIGNATURE:	

CONTRACTOR CERTIFICATION STATEMENT

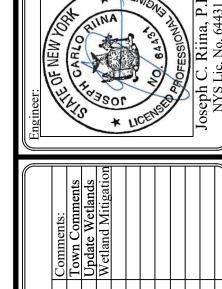
INDIVIDUAL CONTRACTOR

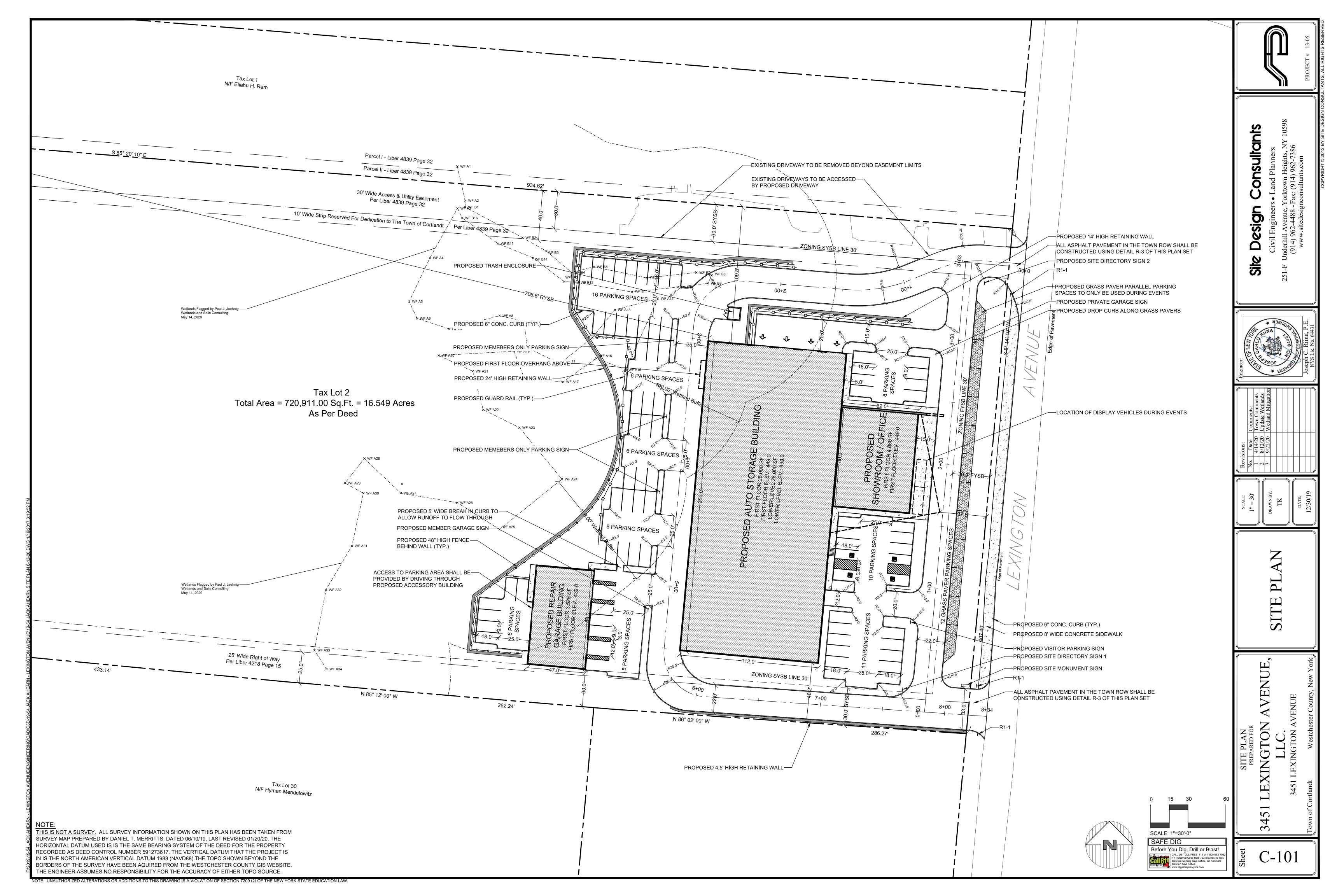
CERTIFICATION STATEMENT - ALL CONTRACTORS AND SUBCONTRACTORS AS IDENTIFIED IN A SWPPP, BY THE OWNER OR OPERATOR, IN ACCORDANCE WITH PART III.A.5 OF THE SPDES GENERAL PERMIT FOR STORMWATER RUNOFF FROM CONSTRUCTION ACTIVITY, GP-0-15-002. DATED JANUARY 12, 2015, PAGE 10 OF 40, SHALL SIGN A COPY OF THE FOLLOWING CERTIFICATION STATEMENT BEFORE UNDERTAKING ANY CONSTRUCTION ACTIVITY AT THE SITE IDENTIFIED IN THE SWPPP:

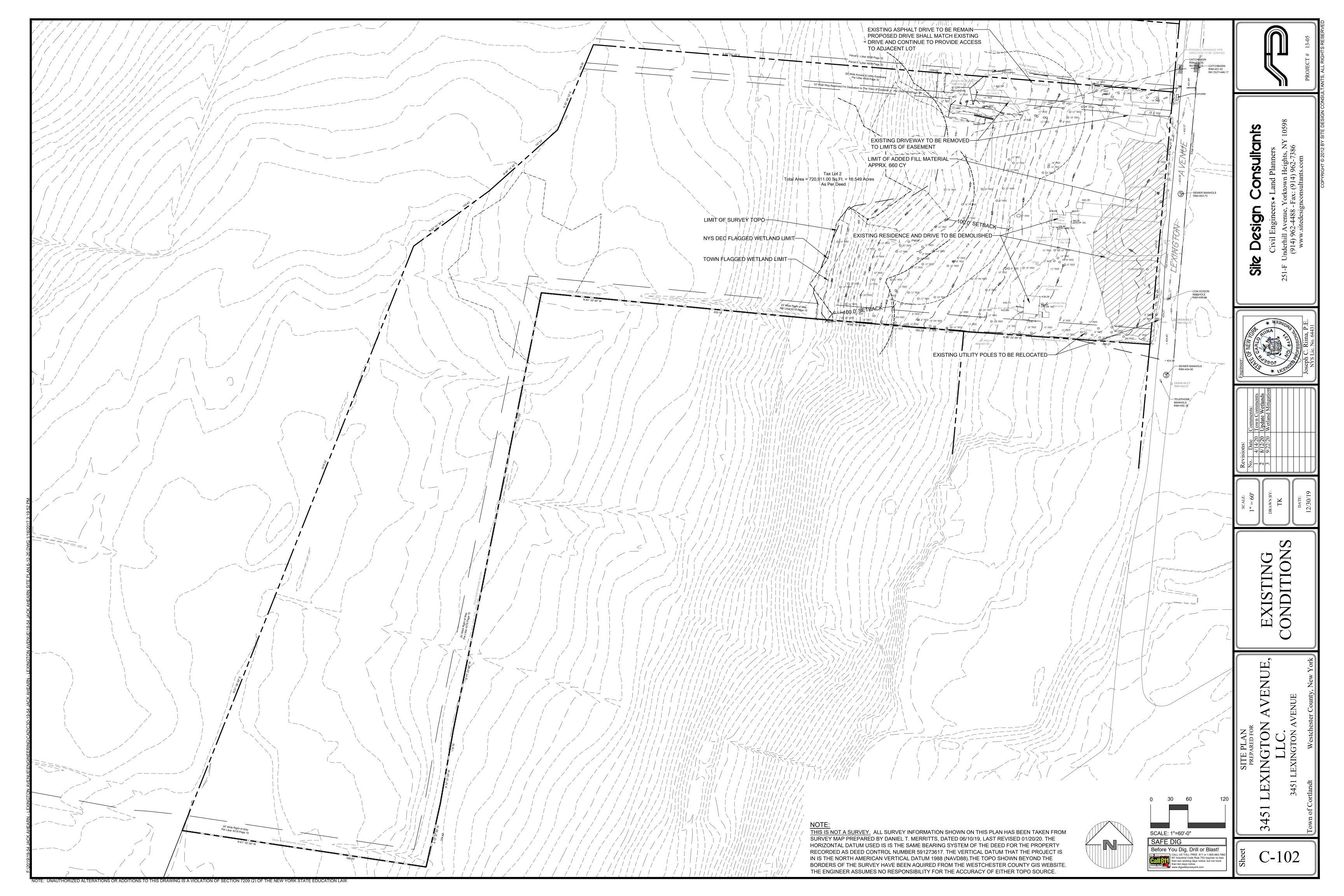
"I HEREBY CERTIFY THAT I UNDERSTAND AND AGREE TO COMPLY WITH THE TERMS AND CONDITIONS OF THE SWPPP AND AGREE TO IMPLEMENT ANY CORRECTIVE ACTIONS IDENTIFIED BY THE QUALIFIED INSPECTOR DURING A SITE INSPECTION. I ALSO UNDERSTAND THAT THE OWNER OR OPERATOR MUST COMPLY WITH THE TERMS AND CONDITIONS OF THE NEW YORK STATE POLLUTANT DISCHARGE ELIMINATION SYSTEM ("SPDES") GENERAL PERMIT FOR STORMWATER DISCHARGE FROM CONSTRUCTION ACTIVITIES AND THAT IT IS UNLAWFUL FOR ANY PERSON TO CAUSE OR CONTRIBUTE TO A VIOLATION OF WATER QUALITY STANDARDS. FURTHERMORE, I UNDERSTAND THAT CERTIFYING FALSE, INCORRECT OR INACCURATE INFORMATION IS A VIOLATION OF THE REFERENCED PERMIT AND THE LAWS OF THE STATE OF NEW YORK AND COULD SUBJECT ME TO CRIMINAL, CIVIL AND/OR ADMINISTRATIVE PROCEEDINGS."

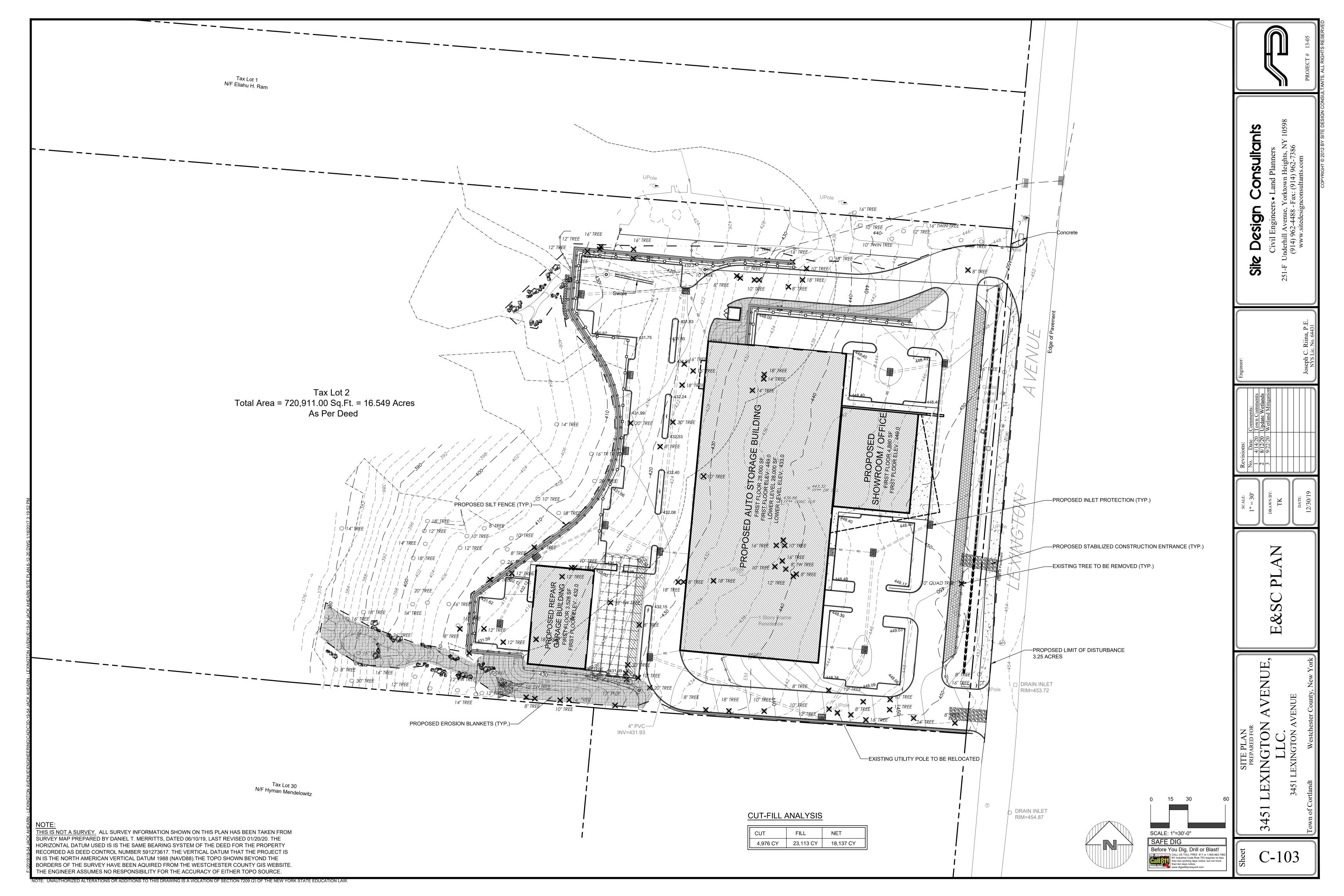
INDIVIDUAL CONTRACTOR.	
NAME AND TITLE (PLEASE PRINT):	
SIGNATURE OF CONTRACTOR:	
COMPANY / CONTRACTING FIRM:	
NAME OF COMPANY:	
ADDRESS OF COMPANY:	
TELEPHONE NUMBER / CELL NUMB	ER:
SITE INFORMATION:	
ADDRESS OF SITE:	
TODAY'S DATE:	

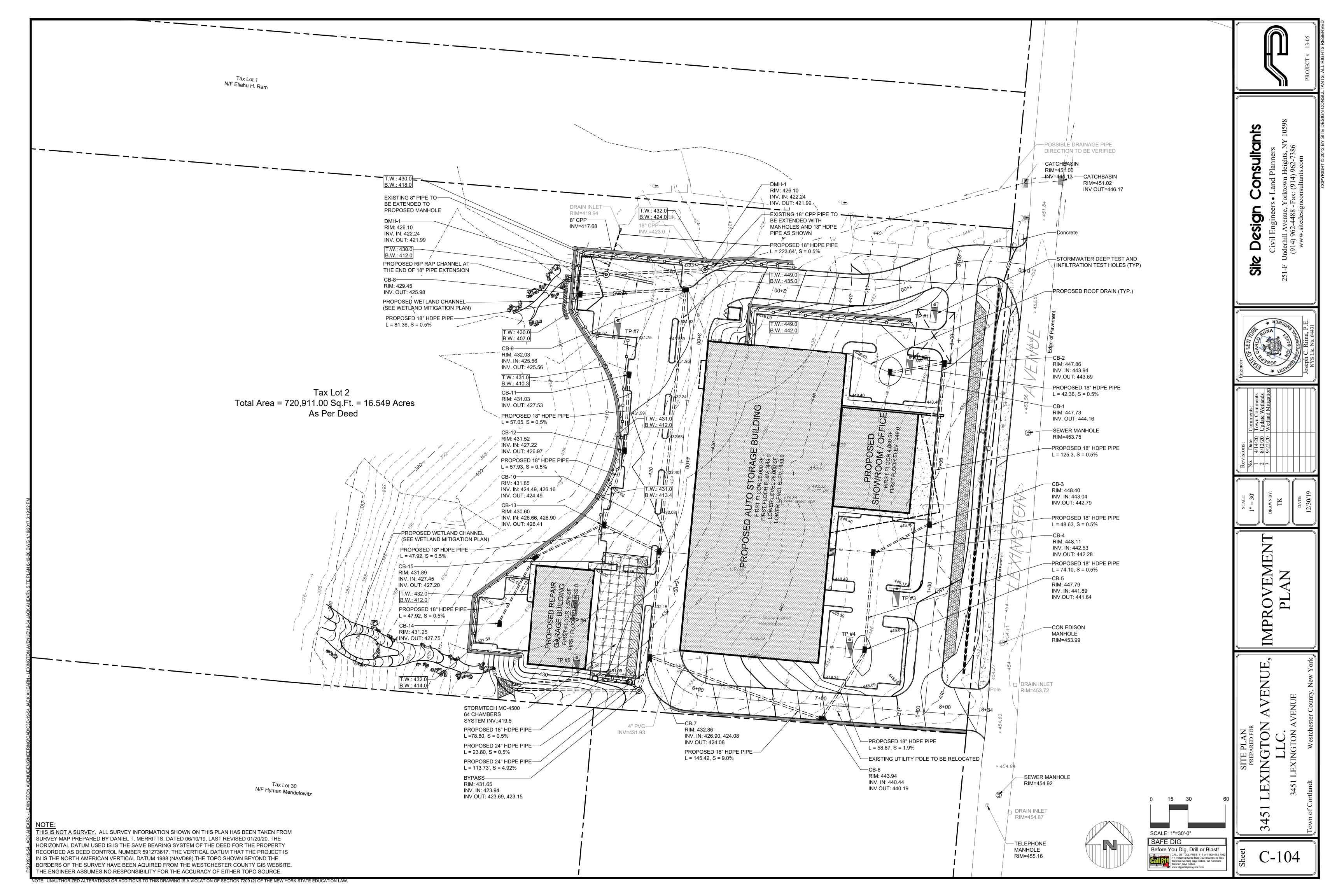


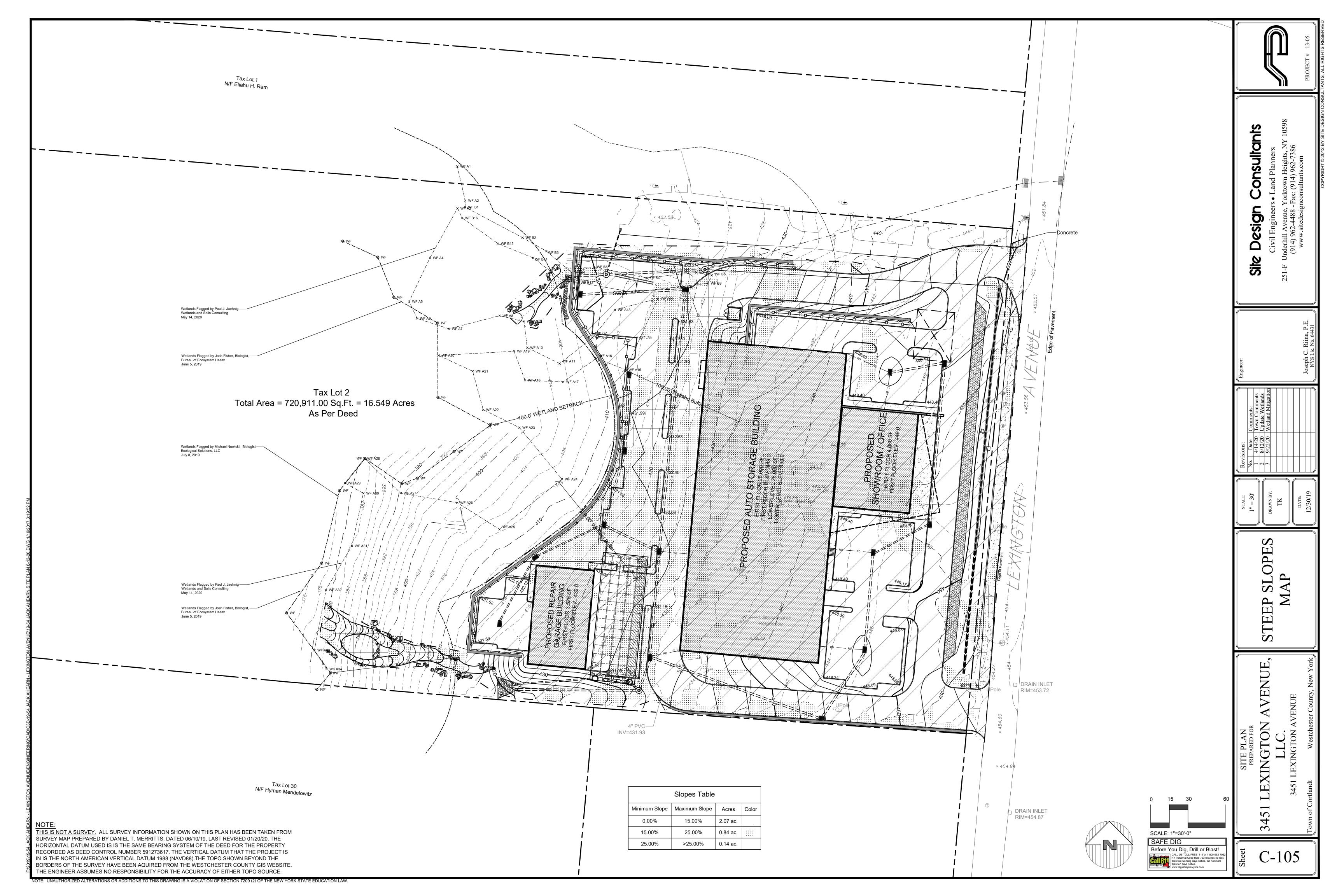


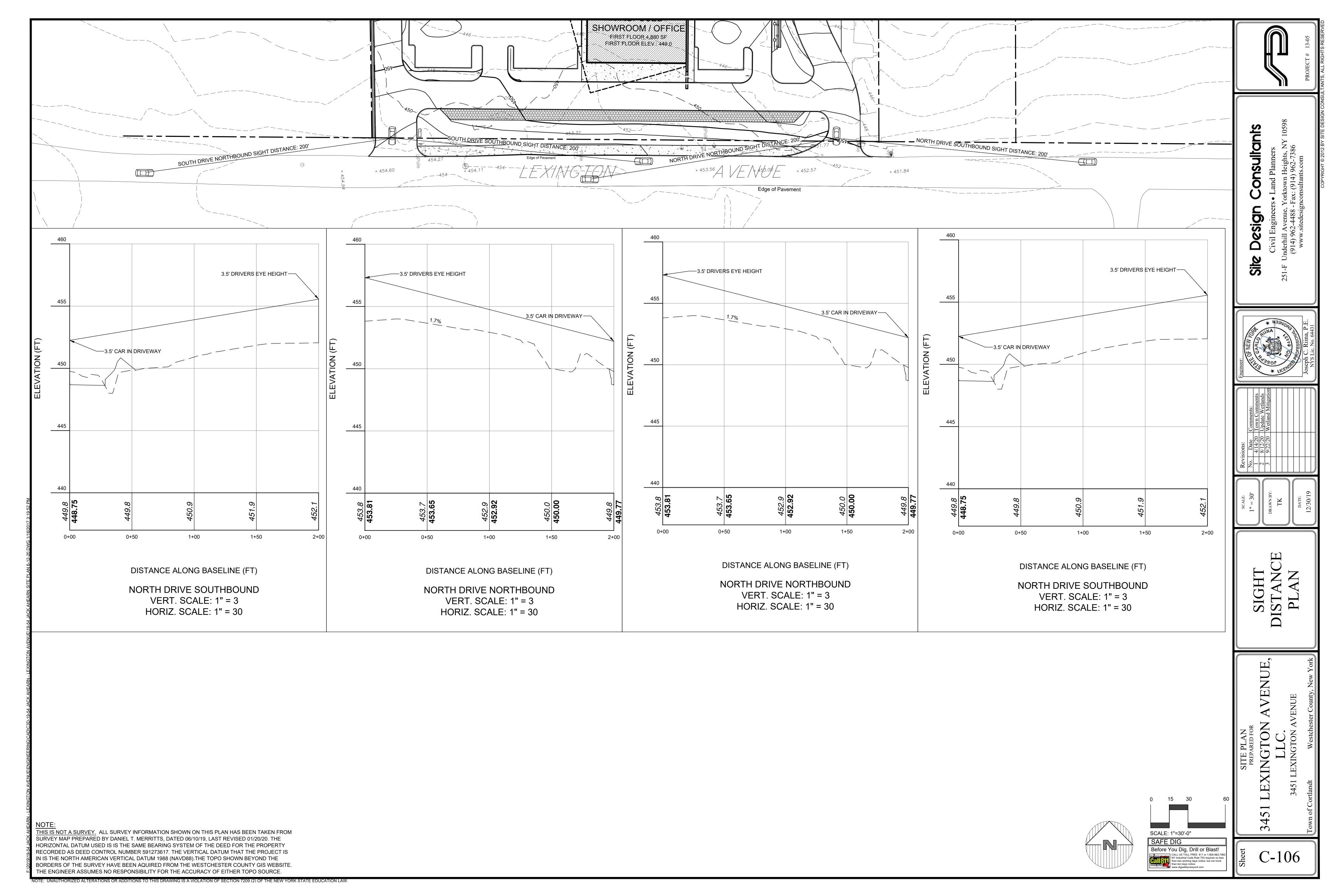


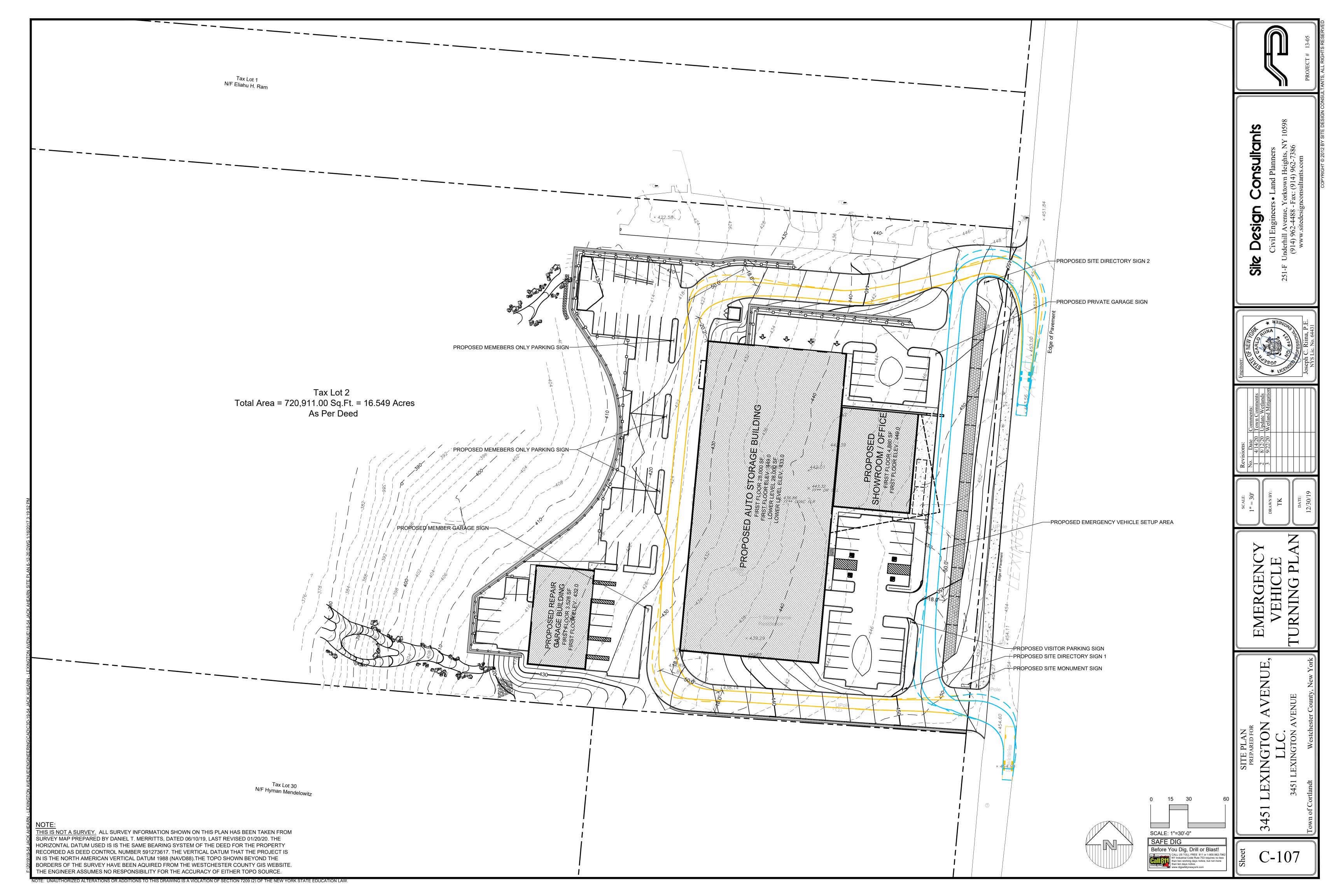


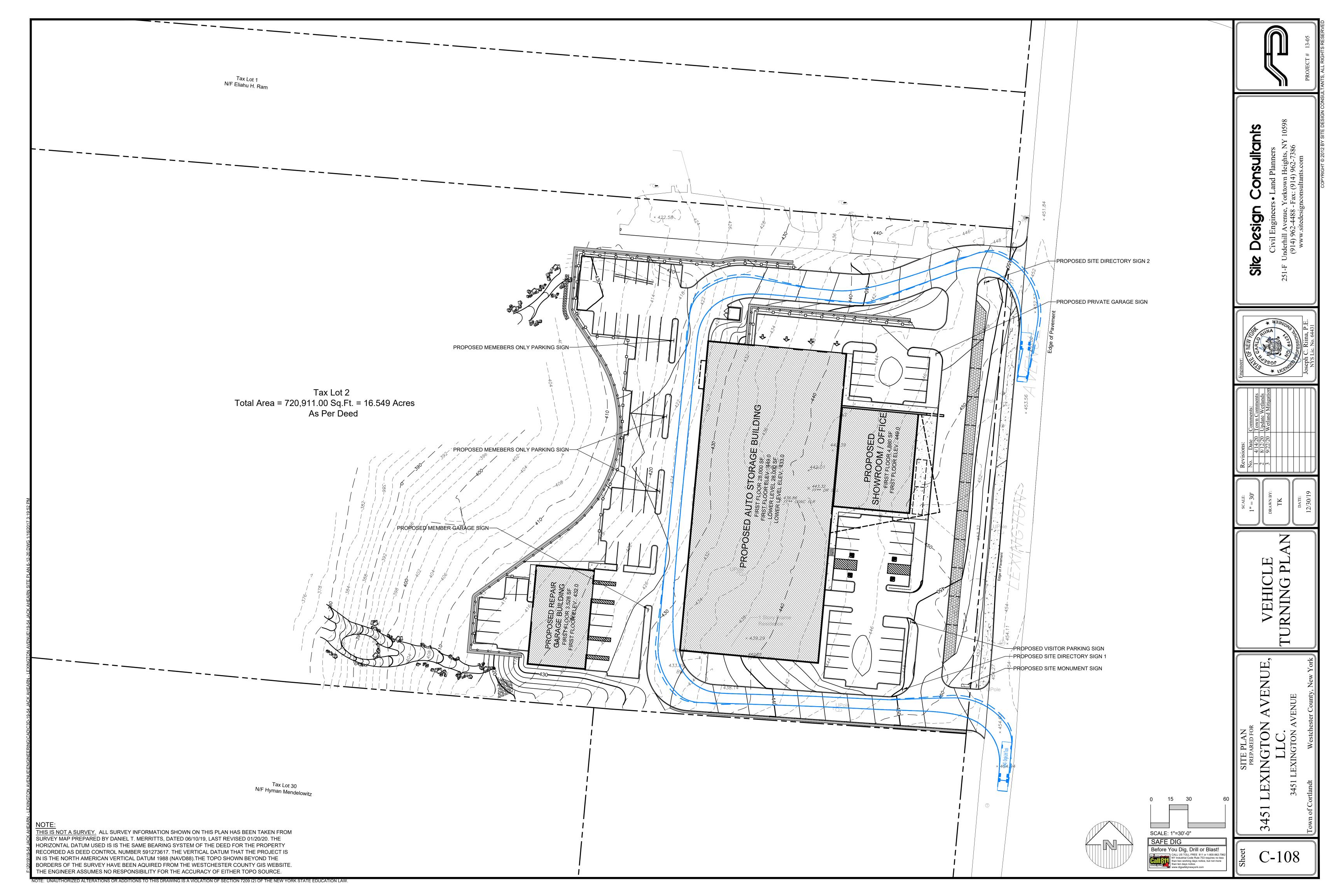


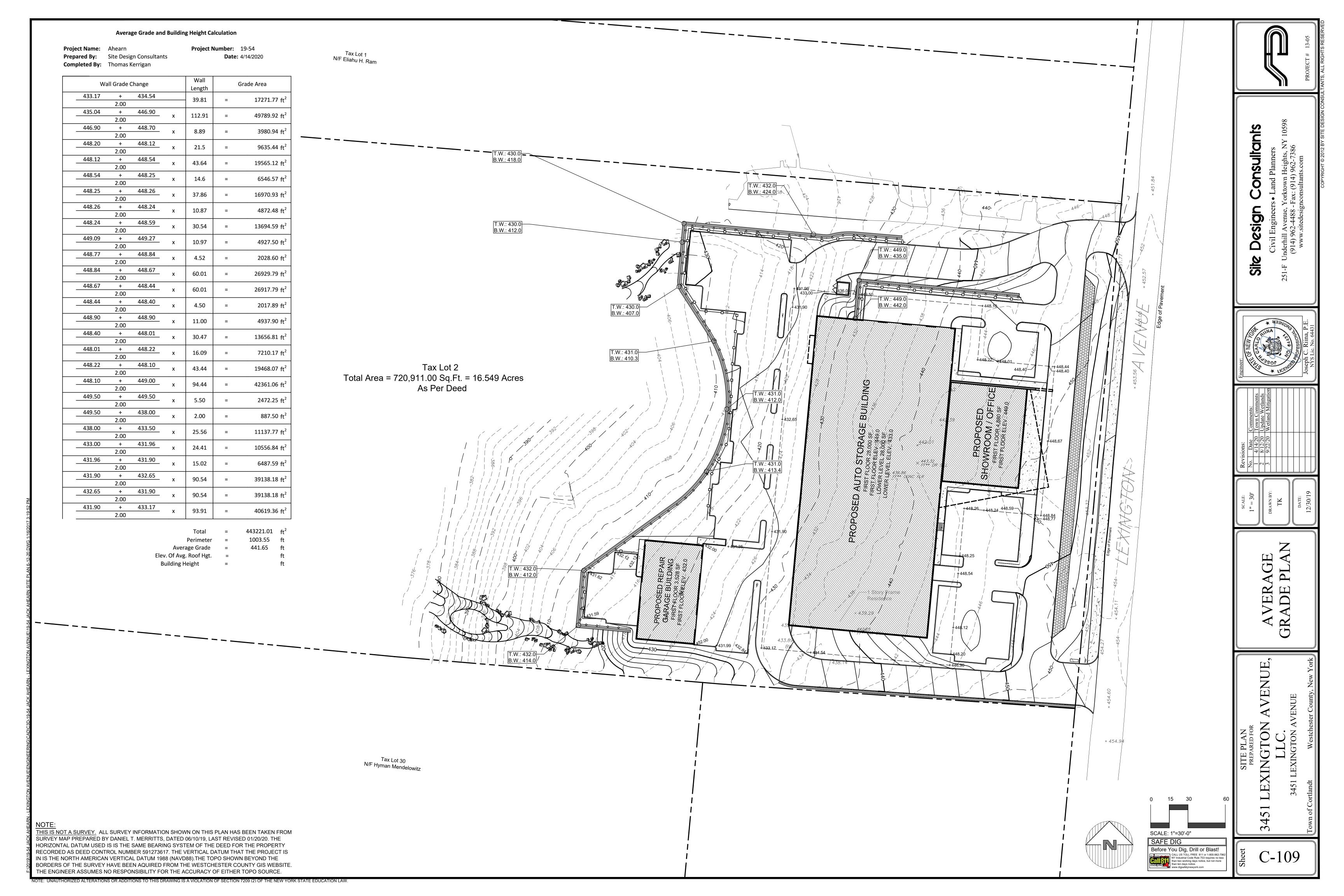


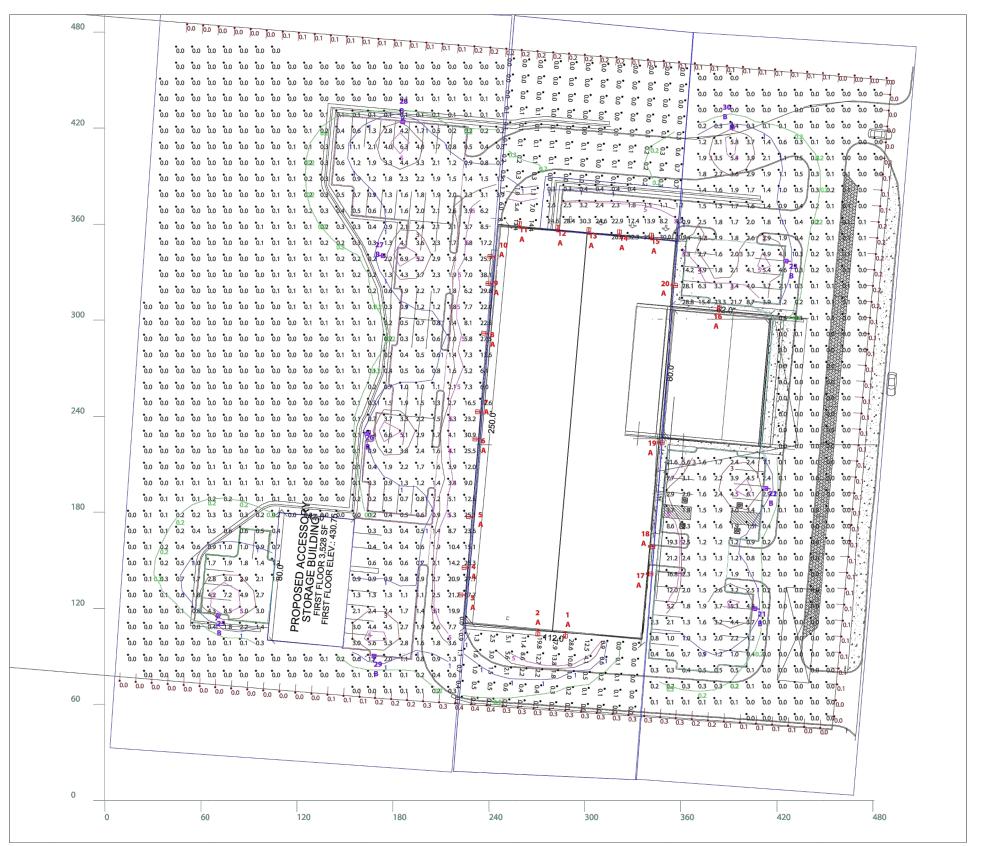












Drawn By: A. Murphy

Scale: as noted

Date:4/15/2020

PROJECT #: 150590

CASE #: 00374415

Filename: C:\Users\anna.murphy\Desktop\Temp Folder\3451 Lexington Ave Layout 00374415 B.AGI

Calculation Summary											
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min	Description	PtSpcLr	PtSpcTb	Meter Type
CalcPts - Behind Storage Bldg	Illuminance	Fc	1.42	38.1	0.0	N.A.	N.A.	Readings taken at 0'-0" AFG	10	10	Horizontal
CalcPts - Front of Site	Illuminance	Fc	1.47	28.8	0.0	N.A.	N.A.	Readings taken at 0'-0" AFG	10	10	Horizontal
Property Line - Front	Illuminance	Fc	0.10	0.2	0.0	N.A.	N.A.	Readings taken at 5'-0" AFG	10	N.A.	Vert-PerpCCW
Property Line - North	Illuminance	Fc	0.10	0.2	0.0	N.A.	N.A.	Readings taken at 5'-0" AFG	10	N.A.	Vert-PerpCCW
Property Line - South	Illuminance	Fc	0.16	0.4	0.0	N.A.	N.A.	Readings taken at 5'-0" AFG	10	N.A.	Vert-PerpCCW
Retaining Wall_Top	Illuminance	Fc	11.38	35.1	0.3	37.93	117.00	Readings taken on Wall	10	10	Normal
Slope of Parking Lots_Grade	Illuminance	Fc	1.55	28.6	0.0	N.A.	N.A.	Readings taken at 0'-0" AFG	10	10	Normal
Back of Building Parking	Illuminance	Fc	1.77	6.9	0.2	8.85	34.50	Readings taken at 0'-0" AFG			
Back Storage Parking	Illuminance	Fc	3.21	8.5	0.9	3.57	9.44	Readings taken at 0'-0" AFG			
Front of Building Parking	Illuminance	Fc	3.65	23.3	0.4	9.13	58.25	Readings taken at 0'-0" AFG			

									<u> </u>	
Luminaire	uminaire Schedule All quotes/orders generated from this layout must be forwarded to the Local Rep Agency								Luminaire Tag Summar	
Symbol	Qty	Tag	Label	Arrangement	LLF	Descrip	tion		BUG Rating	Tag
	20	Α	WPLED2T78	SINGLE	1.000	Type II V	Vall Mount		B1-U0-G2	A
	9	В	ALED4T78SFN-PCS	SINGLE	1.000	Type IV	Slipfitter Mount		B1-U0-G2	В

	9	В	ALE	ALED4T78SFN-PCS			NGLE		1.0
Expanded	Expanded Luminaire Location Summary								
LumNo	Tag	X		Υ	MTG H	łТ	Orient Tilt		
1	Α	287.908	3	102.444	0.616		270	0	
2	Α	270.679	9	103.813	0.697		265.801	0	
3	Α	221.983	3	128.504	-8.45		176.295	0	
4	Α	224.148	3	145.495	-8.45		176.295	0	
5	Α	226.837	7	177.367	-8.45		176.295	0	
6	Α	230.878	3	225.93	-8.45		176.295	0	
7	Α	232.465	5	242.92	-8.45		176.295	0	
8	Α	236.32	1	292.015	-8.45		176.295	0	
9	Α	239.03		323.009	-8.45		176.295	0	
10	Α	240.187	7	340.054	-8.45		176.295	0	
11	Α	259.28	5	360.746	-3.34		85.68	0	
12	Α	283.148	3	358.51	9.002		85.68	0	
13	Α	302.54		356.929	9.002		85.68	0	
14	Α	321.626	5	355.524	9.002		85.68	0	
15	Α	341.57	1	353.507	9.002		85.68	0	
16	Α	384.134	4	308.253	8.093		85.68	0	
17	Α	341.45		141.579	7.682		355.915	0	
18	Α	342.726	5	158.649	7.682		355.915	0	
19	Α	348.50	1	223.523	7.682		355.915	0	
20	Α	357.177	7	321.791	7.682		355.915	0	
21	В	407.013	3	119.789	20		173.839	10	
22	В	413.8		194.973	20		174.663	10	
23	В	426.445	5	336.99	20		175.87	10	
25	В	70.551		114.684	2.976		65.71	0	
26	В	163.86	1	230.042	2.976		0	10	
27	В	173.016	5	340.431	2.976		0	10	
28	В	186.375	5	424.993	2.976		259.178	10	
29	В	168.13	5	89.309	2.976		84.059	10	
30	В	392.066	5	421.593	20		270	10	
					-				

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* The light loss factor (LLF) is a product of many variables, only lamp lumen depreciation (LLD) has been applied to the calculated results unless otherwise noted. The LLD is the result (quotient) of mean lumens / initial lumens per lamp manufacturers' specifications.

* Illumination values shown (in footcandles) are the predicted results for planes of calculation either horizontal, vertical or inclined as designated in the calculation summary. Meter orientation is normal to the plane of calculation.

to means and methods which are beyond the control of RAB Lighting Inc.

height (insertion point of the luminaire symbol) to be taken at the top of the symbol for ceiling nounted luminaires and at the bottom of the symbol for all other luminaire mounting configurations

site soil conditions and wind zone. It is recommended that a professional engineer licensed to practice in the state the site is located be engaged to assist in this determination.

and subject to constant change. The conceptual objects shown are for illustrative purposes only. The actual illumination values measured in the field will vary. Photometric model elements such as buildings, rooms, plants, furnishings or any architectural

in the RAB lighting design model. RAB is not responsible for any inaccuracies caused by incomplete information on the part of the customer, and reserves the right to use best judgement when translating

 ${\rm *RAB\,Lighting\,Inc.\,luminaire\,and\,product\,designs\,are\,protected\,under\,U.S.\,and\,International\,intellectual}$ property laws. Patents issued or pending apply.

The Lighting Analysis, ezLayout, Energy Analysis and/or Visual Simulation ("Lighting Design") provided by the RAB Lighting Inc. ("RAB") represent an anticipated provided by others have not been field verified by RAB and therefore actual measured r esults may vary from the actual field conditions. RAB recommends that design parameters and other information be field verified to reduce variation.

RAB neither warranties, either implied or stated with regard to actual measured light levels or energy consumption levels as compared to those illustrated intent as compliant with any applicable regulatory code requirements with the exception of those specifically stated on drawings created and submitted by RAI The Lighting design is issued, in whole or in part, as advisory documents for informational purposes and is not intended for construction nor as being part of a project's construction documentation package.

RAB WPLED2T78 Project:



LED Info Constant Current Watts: 78W Color Temp: Color Accuracy: 71 CRI 240V: 0.35A L70 Lifespan: 100000 277V: 0.30A Lumens: 9552 Input Watts: 78W Efficacy: 123 LPW Efficiency: N/A Weight: 34.8 lbs

Technical Specifications Listings

UL Listing: Suitable for wet locations as a downlight

DLC Listed: Qualified Products List and is eligible for rebates from DLC Member Utilities. DLC Product Code: P000017AG

IESNA LM-79 & IESNA LM-80 Testing: tested by an independent laboratory in accordance with IESNA LM-79 and LM-80. Dark Sky Approved:

The International Dark Sky Association has approved this product as a full cutoff, fully shielded luminaire **LED Characteristics**

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations Six (6) multi-chip, 13W, high-output, long-life LEDs

Color Consistency: 3-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color Color Stability:

than 200K in CCT over a 5 year period **Color Uniformity:** RAB's range of CCT (Correlated Color Temperature) ollows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-

LED color temperature is warrantied to shift no more

Specification Grade Optics: The Type II distribution is ideal for wide walkways, on ramps and entrance roadways, bike paths and other long and narrow lighting applications. This type is meant for lighting larger areas and usually is located near the roadside. This type of lighting is commonly found on smaller side streets or jogging paths.

B1 U0 G2 Electrical

Constant Current, Class 2, 2000mA, 100-277V, 50-60Hz, 1.1A, Power Factor 99% 5.0% at 120V, 12.3% at 277V

RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish. RAB's warranty is subject to all terms and conditions found at

The WPLED design is protected by patents pending in the U.S., Canada, China, Taiwan and Mexico. Replacement Replaces 400W Metal Halide



Prepared By **Driver Info** LED Info Watts: 120V: 0.66A Color Temp: 4000K (Neutral) 208V: Color Accuracy: 72 CRI 240V: L70 Lifespan: 100000 277V: N/A Lumens: 9804 Input Watts: 76W Efficacy: 129 LPW Efficiency: N/A

Technical Specifications

120V Swivel Photocell Included. Photocell is only mpatible with 120V.

60Hz, 1.1A, Power Factor 99% Surge Protection:

Surge Protector:

SP6 available. Listings DLC Listed:

DLC Member Utilities. DLC Product Code: P0000179W

itable for wet locations as a downlight IESNA LM-79 & IESNA LM-80 Testing: RAB LED luminaires and LED components have been ested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

LED Characteristics 00,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations

Six (6) multi-chip, 13W, high-output, long-life LEDs

Gaskets: High temperature silicone gaskets

Formulated for high-durability and long lasting color buildings and walls, and for illuminating the perimeter Green Technology: Mercury and UV-free. RoHS compliant components Polyester powder coat finish formulated without the use of VOCs or toxic heavy metals.

3/8" tenon

IP Rating:

For use on LEED Buildings: IDA Dark Sky Approval means that this fixture can be used to achieve LEED Credits for Light Pollution

Slipfitter with 180° pivot available for mounting on 2

Ingress Protection rating of IP66 for dust and water

Specular vacuum-metallized polycarbonate

Need help? Tech help line: (888) RAB-1000 Email: sales@rablighting.com Website: www.rablighting.com Copyright © 2018 RAB Lighting Inc. All Rights Reserved Note: Specifications are subject to change at any time without notice

Replaces 250W Metal Halide

Buy American Act Compliance:

product to be made BAA compliant.

compliant with the Buy American Act (BAA). Please

contact customer service to request a quote for the

4T = Type IV 150 = 150W Blank = 5000K (Cool) Blank = Arm Blank = Bronze Blank = Standard

3T = Type III **125** = 125W **N** = 4000K (Neutral) **FX** = No Arm **W** = White

2T = Type II 105 = 105W Y = 3000K (Warm)

78 = 78W

ALED4T78SFN/PCS

Technical Specifications (continued)

WPLED2T78

Ordering Matrix

Technical Specifications (continued)

RAB values USA manufacturing! Upon request, RAB

contact customer service to request a quote for the

may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please

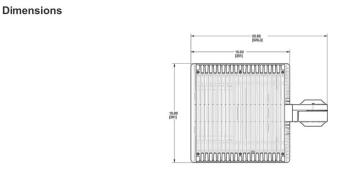
Buy American Act Compliance:

product to be made BAA compliant.

RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, RAB values USA manufacturing! Upon request, RAB

including coverage of light output, color stability, driver may be able to manufacture this product to be performance and fixture finish. RAB's warranty is subject to all terms and conditions found at

The ALED design is protected by patents in the U.S. Pat. 668,370, Canada Pat. 144956, China ZL201230100154.X, and Mexico Pat. 38423. Pending patents in Taiwan.



Features 66% energy cost savings vs. HID 100,000-hour LED lifespan

5-year warranty

BUG Rating:

B1 U0 G2

Features

High performance LED light engine

Replaces 400W MH

100 up to 277 Volts

/480 = 480V

/BL = Bi-Level

/D10 = 0-10V Dimming

5-year warranty

Maintains 70% of initial lumens at 100,000 hours

Weatherproof high temperature silicone gaskets

Superior heat sinking with die cast aluminum housing and external fins

Photocell Options

Blank = Standard

/PC = 120V Photocell

/PC2 = 277V Photocell

/PCT = 120-277V Twistlock Photocell

/PCT4 = 480V Twistlock Photocell

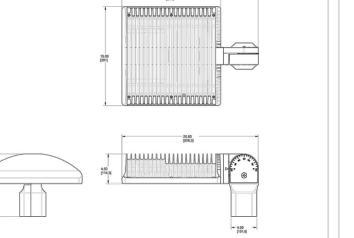
/PCS = 120V Swivel Photocell

/PCS2 = 277V Swivel Photocell

/PCS4 = 480V Swivel Photocell

/WS2 = Multi-Level Motion Sensor (20 ft. mt. ht.)

/WS4 = Multi-Level Motion Sensor (40 ft. mt. ht.)



Other Options

USA = BAA

Blank =

Page 2 of 2

RAB

RAB

sallan

Sign

* The calculated results of this lighting simulation represent an anticipated prediction of system performance. Actual measured results may vary from the anticipated performance and are subject Mounting height determination is job site specific, our lighting simulations assume a mounting

* It is the Owner's responsibility to confirm the suitability of the existing or proposed poles and bases to support the proposed fixtures, based on the weight and EPA of the proposed fixtures and the owner's

* The landscape material shown hereon is conceptual, and is not intended to be an accurate representation of any particular plant, shrub, bush, or tree, as these materials are living objects,

details which impact the dispersion of light must be detailed by the customer documents for inclusion

Need help? Tech help line: (888) RAB-1000 Email: sales@rablighting.com Website: www.rablighting.com

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SURVEY MAP PREPARED BY DANIEL T. MERRITTS, DATED 06/10/19, LAST REVISED 01/20/20, THE HORIZONTAL DATUM USED IS IS THE SAME BEARING SYSTEM OF THE DEED FOR THE PROPERTY RECORDED AS DEED CONTROL NUMBER 591273617. THE VERTICAL DATUM THAT THE PROJECT IS IN IS THE NORTH AMERICAN VERTICAL DATUM 1988 (NAVD88).THE TOPO SHOWN BEYOND THE BORDERS OF THE SURVEY HAVE BEEN AQUIRED FROM THE WESTCHESTER COUNTY GIS WEBSITE

Filename: 3451 Lexington Ave Layout 00374415 B.AGI 888 722-1000 • rablighting.com Drawn By: A. Murphy Filename: C:\Users\anna.murphy\Desktop\Temp Folder\3451 Lexington Ave Layout 00374415 B.AGI

3451 Lexington Ave

Cortlandt, NY

Lighting Layout

THIS IS NOT A SURVEY. ALL SURVEY INFORMATION SHOWN ON THIS PLAN HAS BEEN TAKEN FROM

Scale: 1 inch= 60 Ft. PROJECT #: 150590 Scale: as noted The Lighting Analysis, ezLayout, Energy Analysis and/or Visual Simulation ("Lighting Design") provided by the RAB Lighting Inc. ("RAB") represent an anticipated Job Name: prediction of lighting system performance based upon design parameters and information supplied by others. These design parameters and information 3451 Lexington Ave provided by others have not been field verified by RAB and therefore actual measured r esults may vary from the actual field conditions. RAB recommends Date:4/15/2020 CASE #: 00374415 Cortlandt, NY that design parameters and other information be field verified to reduce variation. Lighting Layout Filename: 3451 Lexington Ave Layout 00374415 B.AGI Version B

RAB neither warranties, either implied or stated with regard to actual measured light levels or energy consumption levels as compared to those illustrated by the Lighting Design. RAB neither warranties, either implied or stated, nor represents the appropriateness, completeness or suitability of the Lighting Design intent as compliant with any applicable regulatory code requirements with the exception of those specifically stated on drawings created and submitted by RAB. The Lighting design is issued, in whole or in part, as advisory documents for informational purposes and is not intended for construction nor as being part of a

5000K (Cool)

Color: Bronze

Construction

IP Rating: Ingress Protection rating of IP66 for dust and water **Ambient Temperature:** This product is on the Design Lights Consortium (DLC) SuitableFor use in 40°C (104°F) ambient temperatures **Cold Weather Starting:**

Minimum starting temperature is -40°C (-40°F) Housing:

RAB LED luminaires and LED components have been Die cast aluminum housing, lens frame and mounting Specular vacuum-metallized polycarbonate

High temperature silicone gaskets

Surge Protection: Formulated for high-durability and long lasting color Green Technology: Mercury and UV-free. RoHS compliant components. Warranty: Polyester powder coat finish formulated without the use of VOCs or toxic heavy metals.

For use on LEED Buildings: IDA Dark Sky Approval means that this fixture can be used to achieve LEED Credits for Light Pollution

Page 1 of 2

RAB

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Color Stability:

LED color temperature is warrantied to shift no more

than 200K in CCT over a 5 year period



Color: Bronze Weight: 32.0 lbs

Color Consistency: 3-step MacAdam Ellipse binning to achieve consistent Die cast aluminum housing, lens frame and mounting fixture-to-fixture color

Constant Current, Class 2, 2000mA, 100-277V, 50-

RAB's range of CCT (Correlated Color Temperature) follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-ALED78 is available with a 6kV surge protector (SP6). 2017. Construction

IES Classification: The Type IV distribution (also known as a Forward his product is on the Design Lights Consortium (DLC) Throw) is especially suited for mounting on the sides of Qualified Products List and is eligible for rebates from

of parking areas. It produces a semiCircular distribution with essentially the same candlepower at lateral angles from 90° to 270°. UL Listing: Effective Projected Area:

EPA = 2.2**Ambient Temperature:** SuitableFor use in 40°C (104°F) ambient temperatures

Cold Weather Starting: Minimum starting temperature is -40°C (-40°F)

Superior heat sinking with external Air-Flow fins

Page 1 of 2

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3T = 78 = N = 4000KType III 78W Type II 105W

Ordering Matrix

Blank = 120-277V Blank = No Option /480 = 480 V (not /LC = Lightcloud® Controller RG = available for 150W) (Neutral) Roadway /BL = Bi-Level **Y** = 3000K Gray (Warm) **W** = White

Driver Options

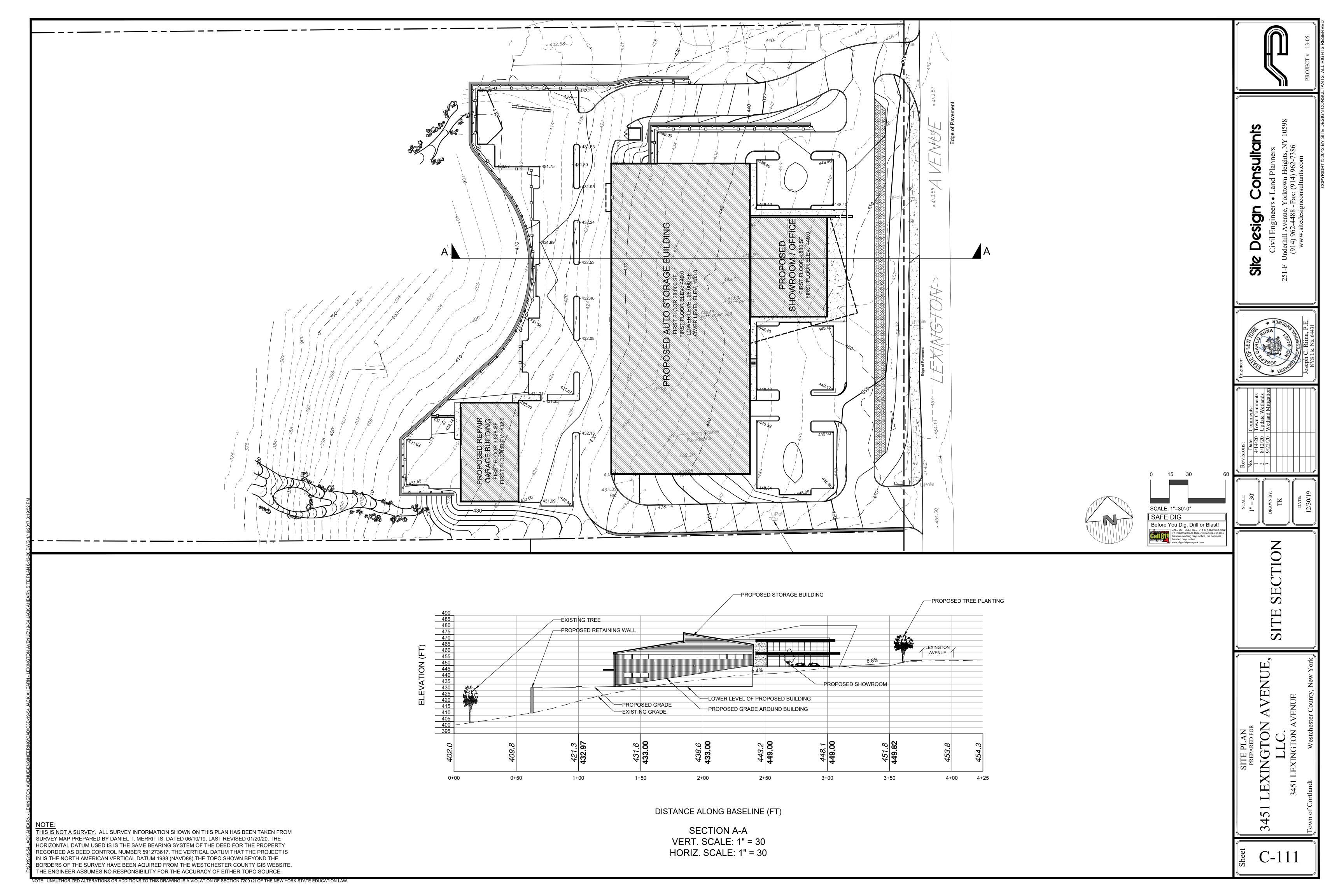
/PC = 120V Button Photocell (Pole mount models /D10 = 0-10V Dimming /WS2 = Multi-Level Motion Sensor 20 ft. (Only available 0-10V dimming models) /WS4 = Multi-Level Motion Sensor 40 ft. (Only available 0-10V dimming models)

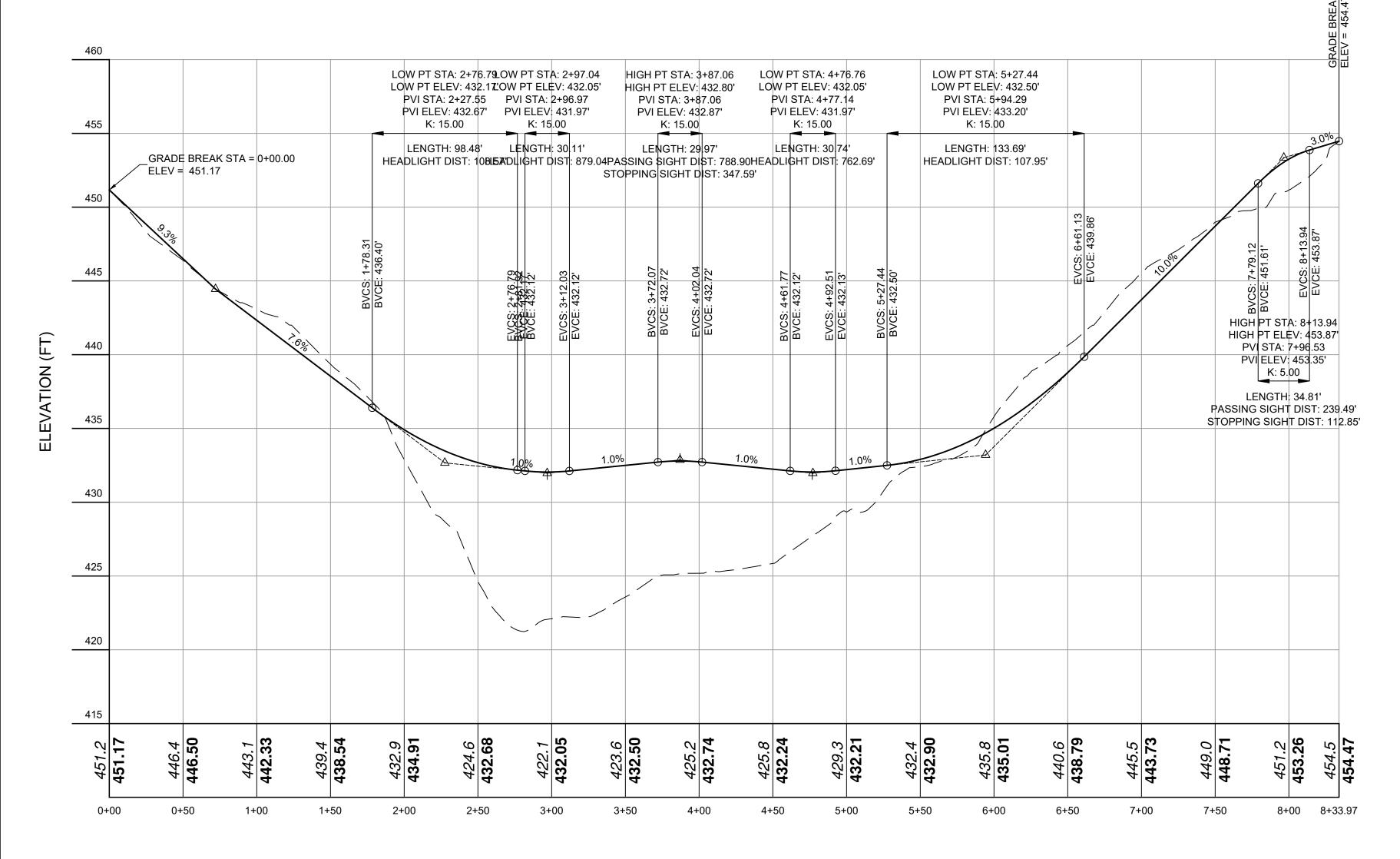
/PCS

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Page 2 of 2

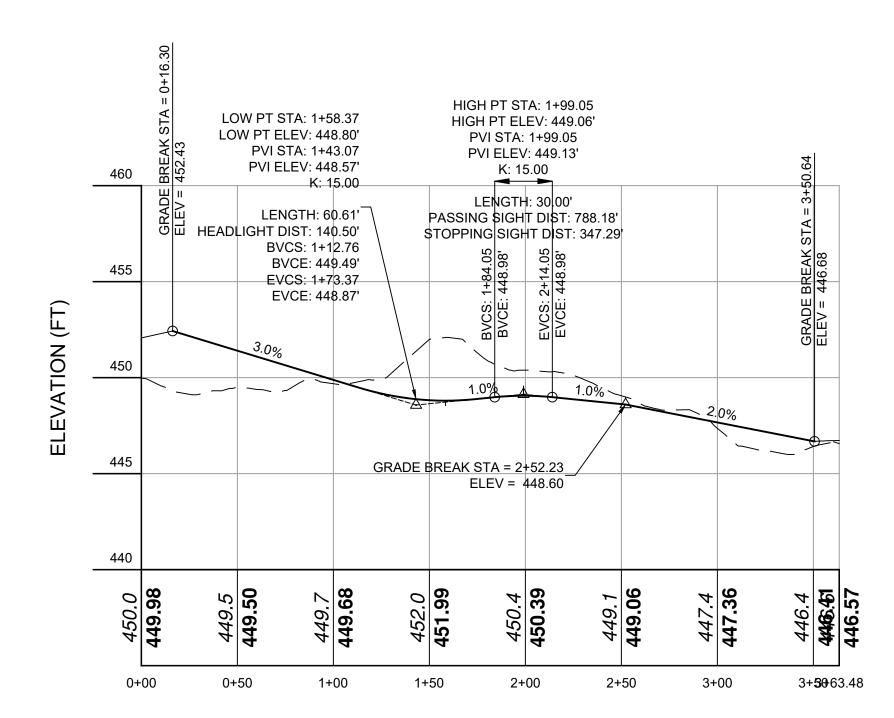
THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF EITHER TOPO SOURCE.





DISTANCE ALONG BASELINE (FT)

PROPOSED MAIN DRIVE VERT. SCALE: 1" = 5 HORIZ. SCALE: 1" = 50



DISTANCE ALONG BASELINE (FT)

FRONT DRIVE VERT. SCALE: 1" = 5 HORIZ. SCALE: 1" = 50

Consultants

VEN

SITE PLAN
PREPARED FOR
INGTON
LLC.

3 C-301

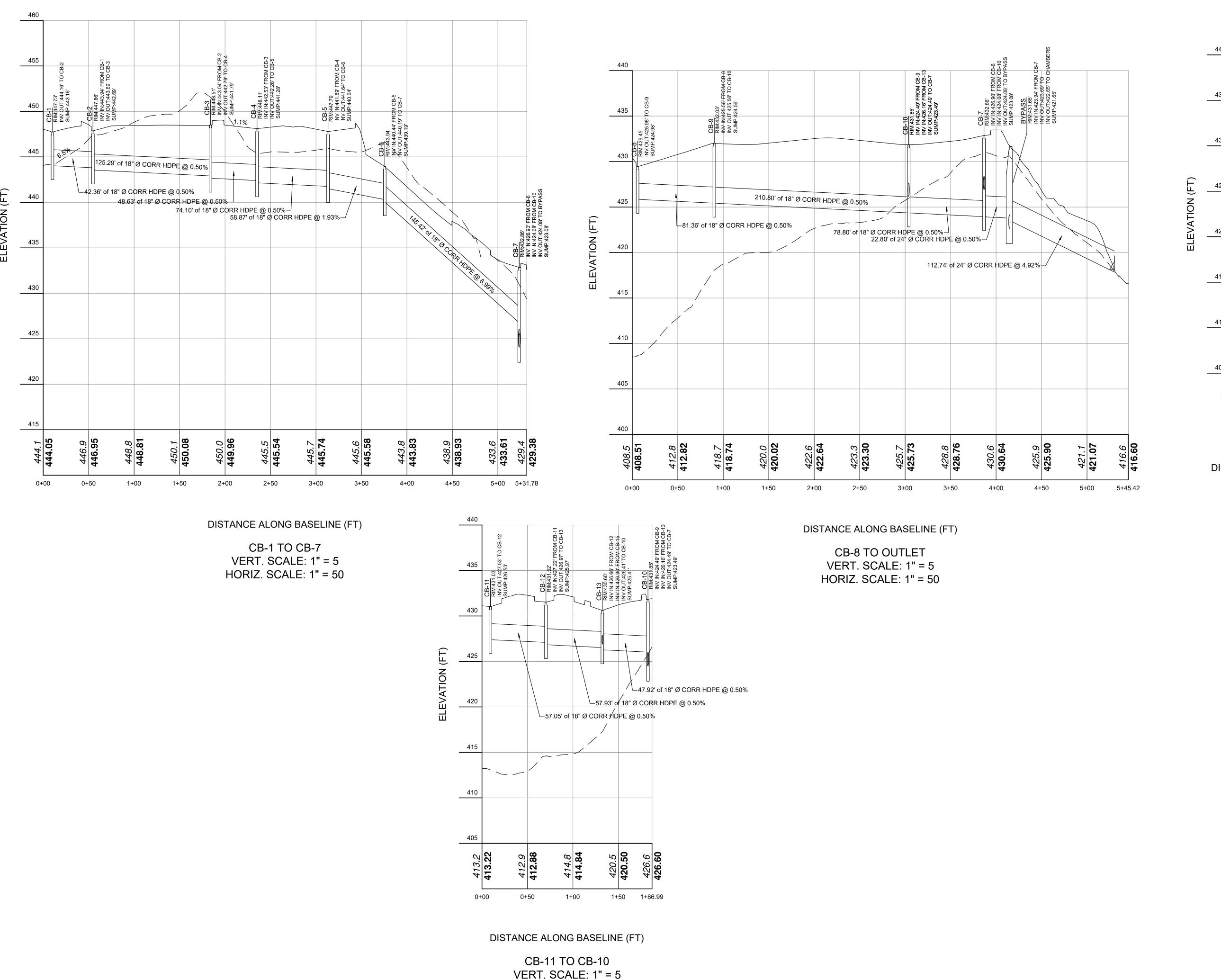
SAFE DIG

Before You Dig, Drill or Blast!

CALL US TOLL FREE 811 or 1-800-962-7962

NY Industrial Code Rule 753 requires no less than two working days notice, but not more than ten days notice.

THIS IS NOT A SURVEY. ALL SURVEY INFORMATION SHOWN ON THIS PLAN HAS BEEN TAKEN FROM SURVEY MAP PREPARED BY DANIEL T. MERRITTS, DATED 6/10/19, LAST REVISED 7/8/19. THE TOPO SHOWN BEYOND THE BORDERS OF THE SURVEY HAVE BEEN AQUIRED FROM THE WESTCHESTER COUNTY GIS WEBSITE. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF EITHER TOPO SOURCE.



HORIZ. SCALE: 1" = 50

CB-13 RIM:430.60' INV IN:426.66' FROM CB-12 INV IN:426.90' FROM CB-15 INV OUT:426.41' TO CB-10 SUMP:425.41' 430 └-57.41' of 12" Ø CORR HDPE @ 0.509 56.47' of 12" Ø CORR HDPE @ 0.50% 410 0+50 1+00 1+28.23

DISTANCE ALONG BASELINE (FT)

CB-14 TO CB-13 VERT. SCALE: 1" = 5 HORIZ. SCALE: 1" = 50

onsultants

口

PROF

VENUE,

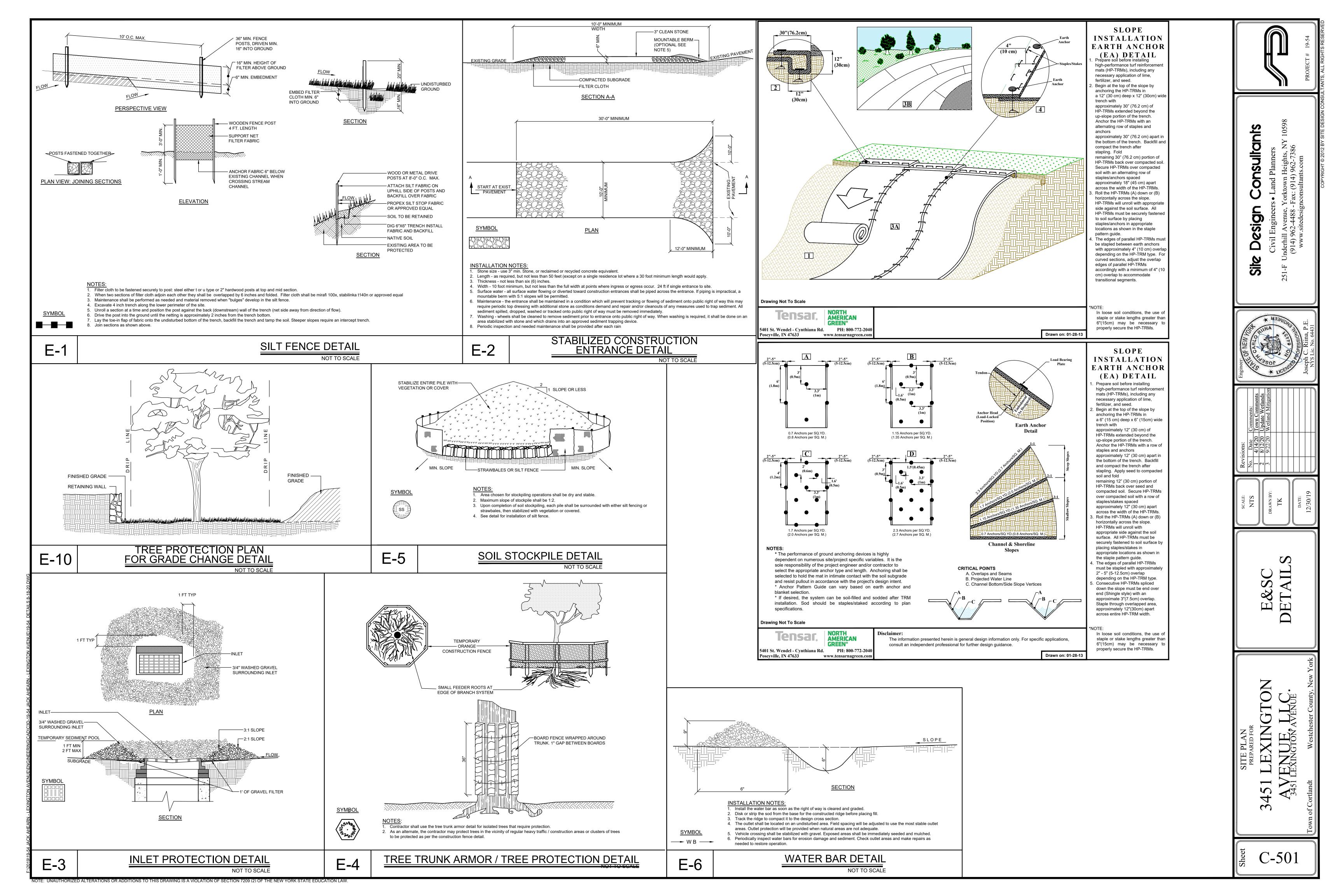
SITE PLAN
PREPARED FOR
LEXINGTON
LLC. 3451

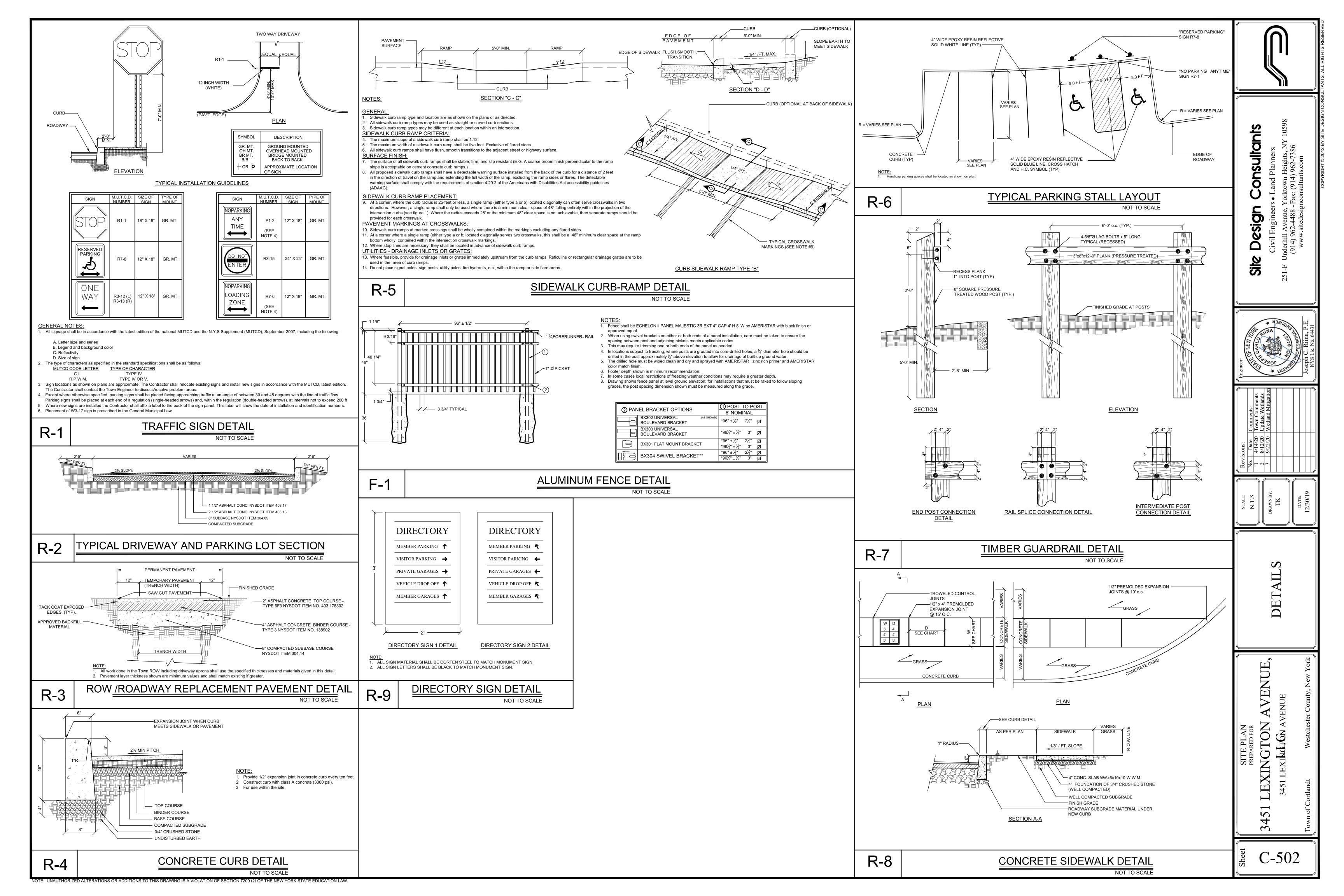
C-302

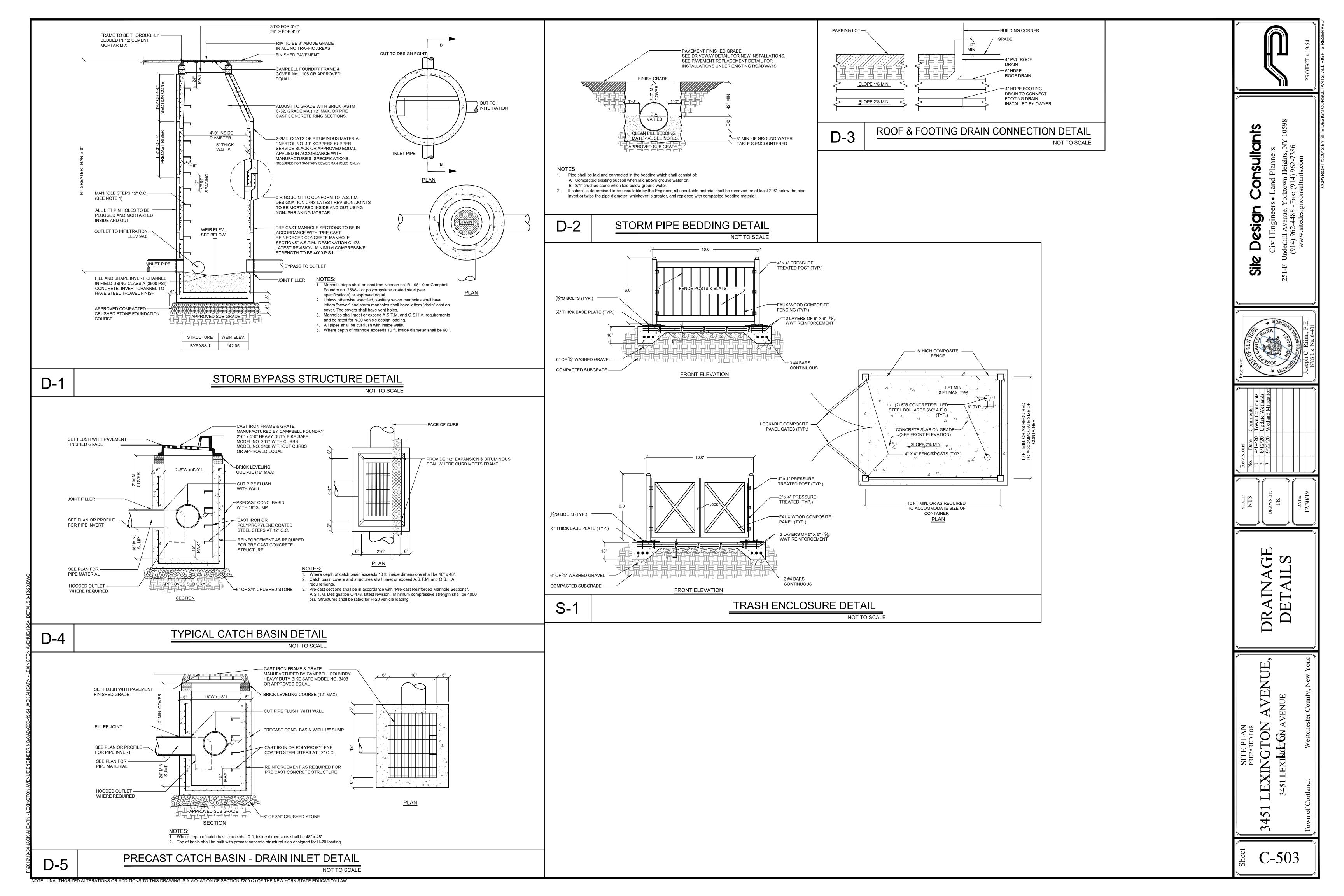
SAFE DIG Before You Dig, Drill or Blast!

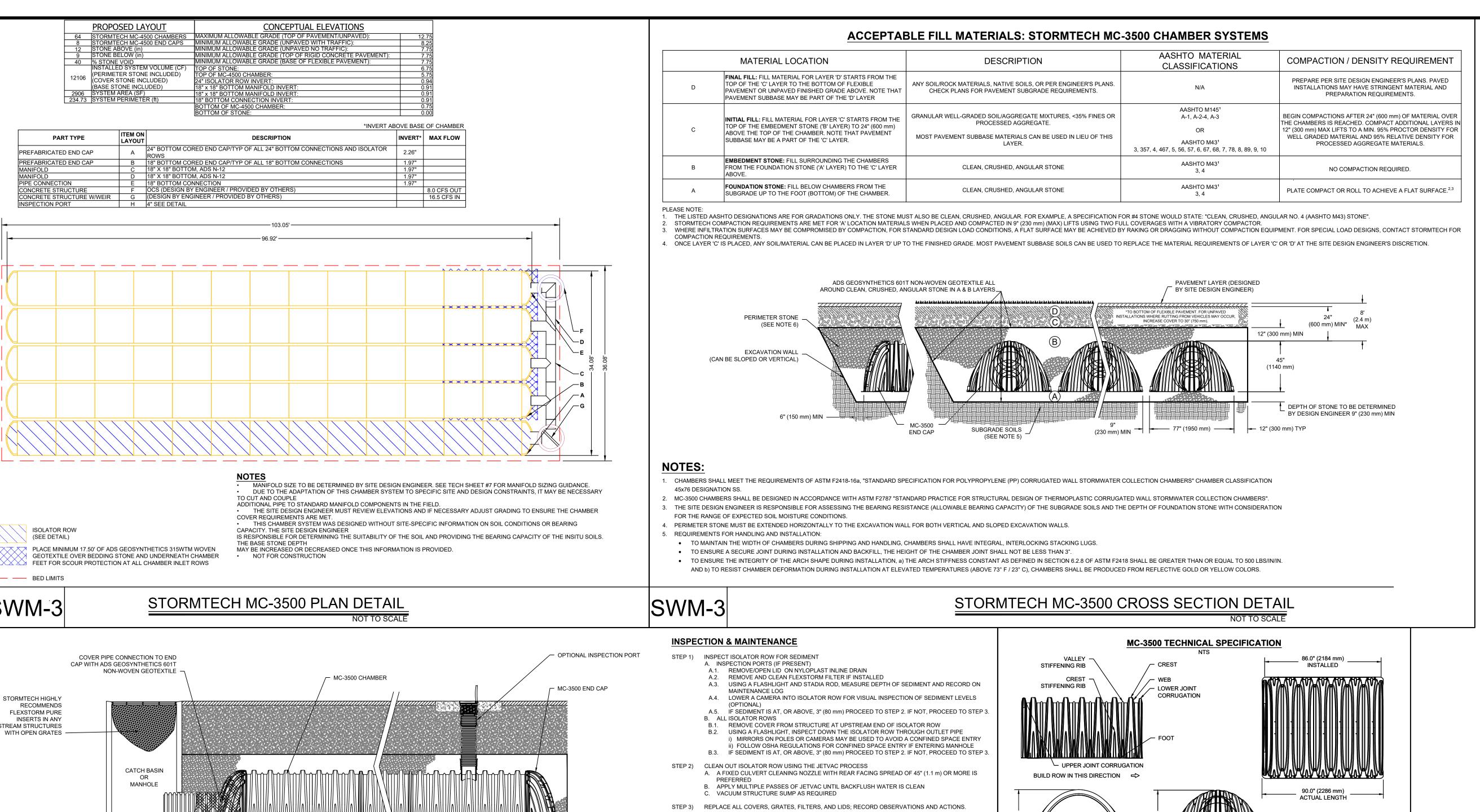
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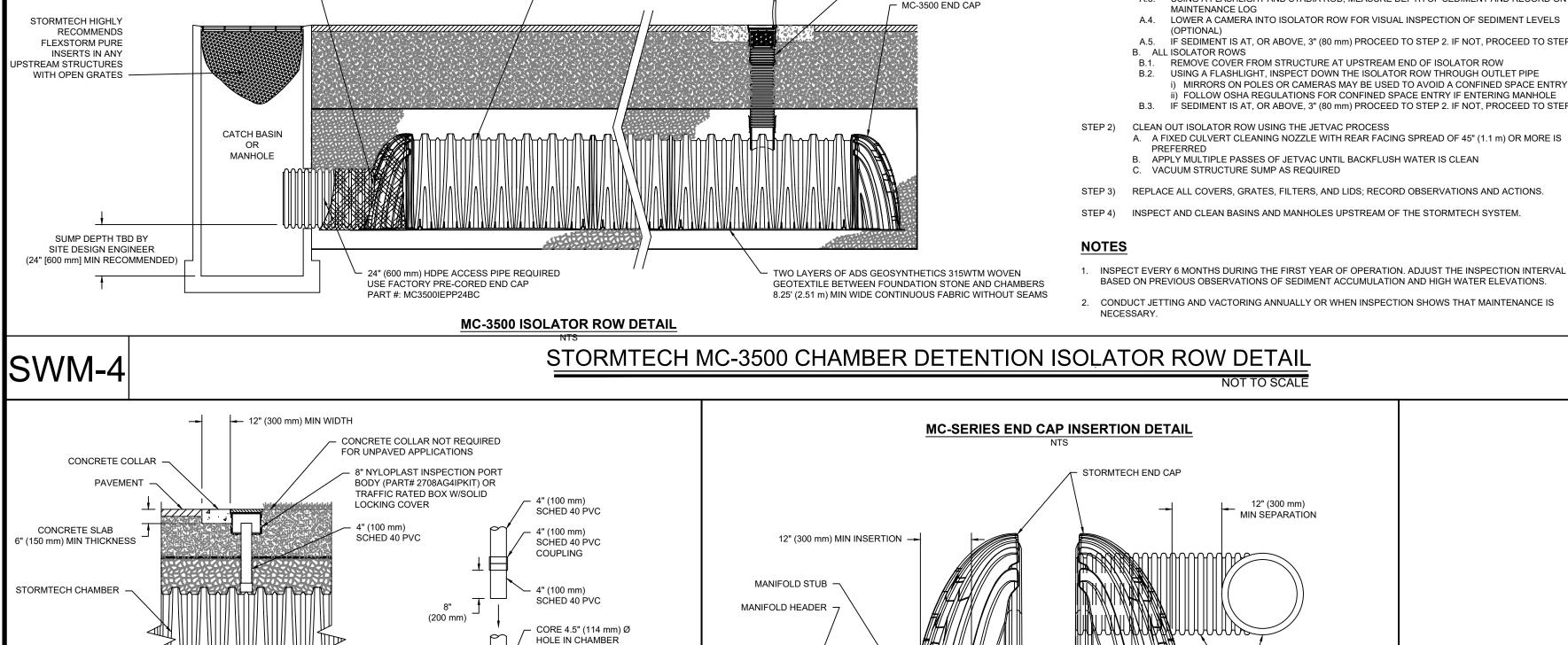






- MANIFOLD HEADER

- MANIFOLD STUB



12" (300 mm)

MIN SEPARATION

12" (300 mm)

MIN INSERTION

FOR A PROPER FIT IN END CAP OPENING.

NOTE: MANIFOLD STUB MUST BE LAID HORIZONTAL

STORMTECH ENDCAP DETAIL

(4.5" HOLE SAW REQ'D)

ANY VALLEY

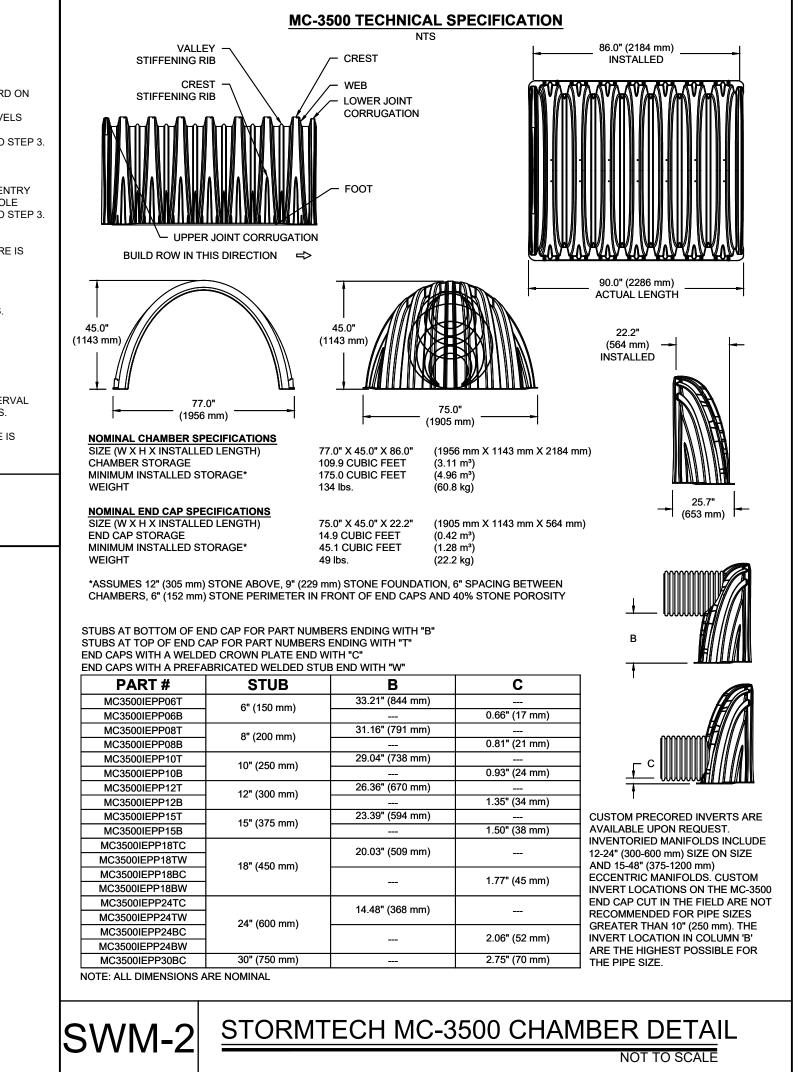
LOCATION

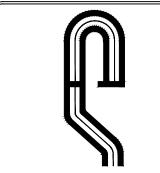
. INSPECTION PORTS MAY BE CONNECTED THROUGH ANY CHAMBER

2. ALL SCHEDULE 40 FITTINGS TO BE SOLVENT CEMENTED (4" PVC NOT

CORRUGATION VALLEY.

PROVIDED BY ADS).



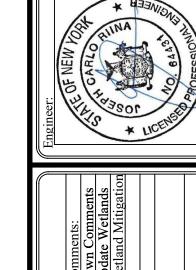


Sign Consultants

Engineers • Land Planners

Avenue, Yorktown Heights, NY 10598

Civil Engineers • Lat 251-F Underhill Avenue, Yorktov (914) 962-4488 - Fax: (9



Revisions:

No. Date Comments:

1 4/14/20 Town Comments
2 8/12/20 Update Wetlands
3 9/22/20 Wetland Mitigation
FK

WATER

STORMWAT MANAGME

NGTON AVENUE, exikdegn avenue

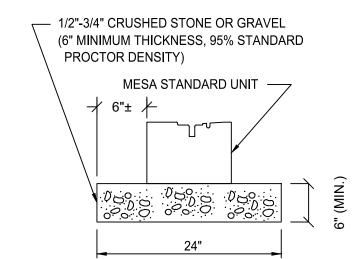
C-504

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MESA WALL TRANSITION AT STRUCTURE

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Toll Free: 1-888-828-5126 | Phone: 770-344-2090 | Fax: 770 344-2099 | www.tensarcorp.com

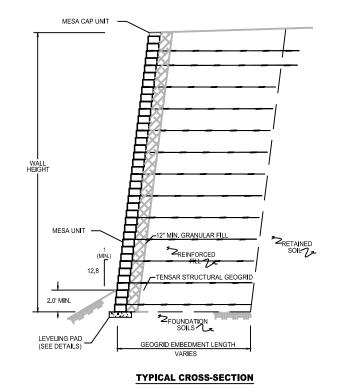


GRAVEL LEVELING PAD DETAIL

NOT TO SCALE

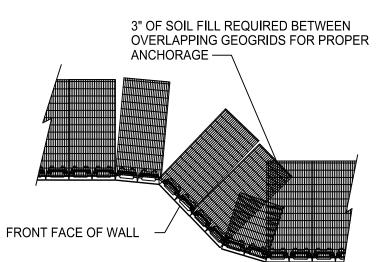
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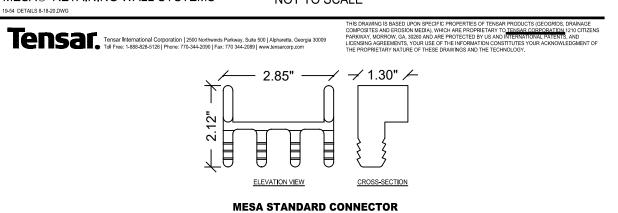
Tensar.



TRIM GEOGRID SO AS NOT TO BE VISIBLE AT WALL FACE

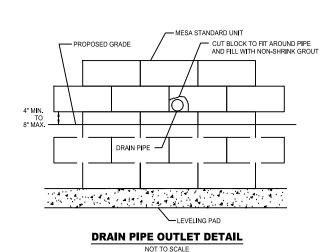
GEOGRID AT WALL CORNER DETAIL

MESA® RETAINING WALL SYSTEMS NOT TO SCALE

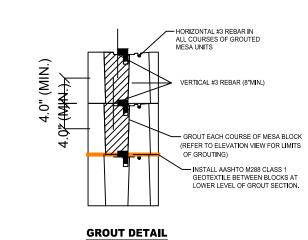


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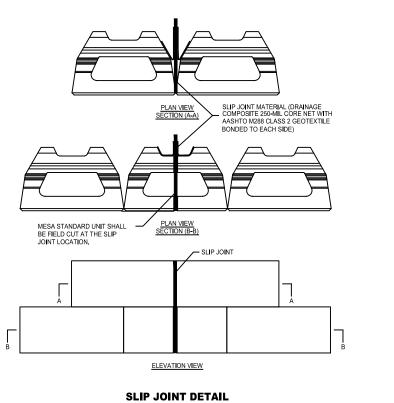
Tensar.



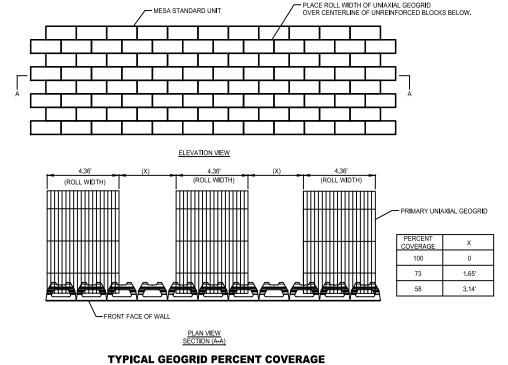
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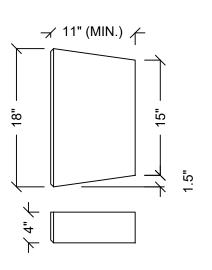
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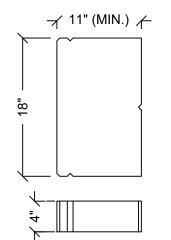
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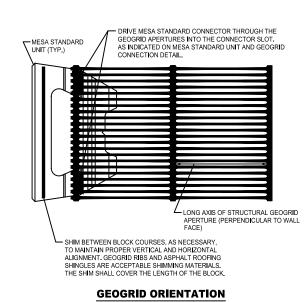


Tensar.:



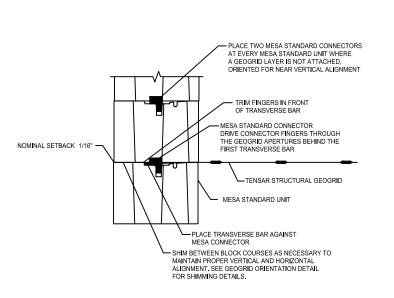
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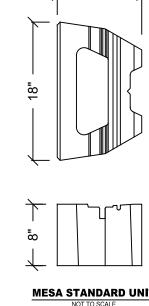
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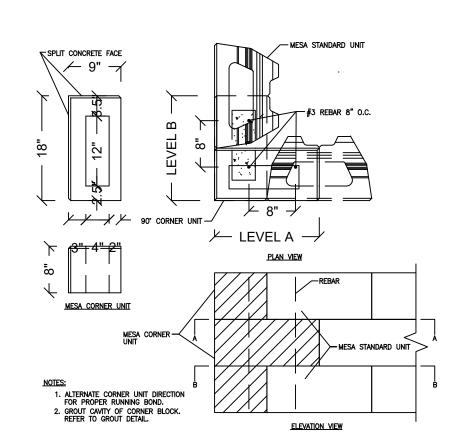


MESA STANDARD UNIT AND GEOGRID CONNECTION DETAIL FOR NEAR VERTICAL ALIGNMENT

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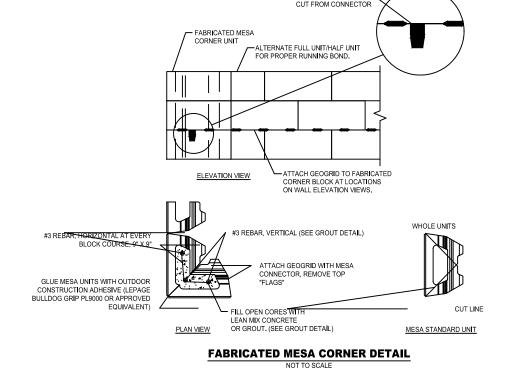


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MESA CORNER UNIT AND REBAR
NOT TO SCALE

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WALL HEIGHT	NUMBER OF	LENGTH OF	BASE	SPACING OF
ABOVE GROUND	GEOGRIDS	GEOGRID	GEOGRID	GEOGRID
0'-3'	3			24" (3 MESA
3'-5'**		5'	UX1400	BLOCKS)
5'-7'**	4	6'	UX1400	(TYP.)
7'-9'**	5	7'	UX1400	
9'-11'**	6	8'	UX1400	TOP
11'-13'**	7	9'	UX1400	GEOGRID
13'-15'***	8	11'	UX1500	LAYER SHALL
15'-17'***		12'	UX1500	BE 16" (MESA
17'-19'***	10	14'	UX1500	BLOCKS)
19'-21'***	11	15'	UX1500	ABOVE THE
21'-23'***	13	17'	UX1500	LAYER
23'-25'***	13	18'	UX1600	BELOW IT

Top two layers of Geogrid shall be extended an additional 2' *Top four layers of Geogrid shall be UX1400.The top two layers of UX1400 Geogrid shall be extended an additional 2'

General Notes:

- 1. ALL WORK ON THE PROJECT SHALL BE PERFORMED IN A WORKMAN LIKE MANNER AND SHALL BE IN ACCORDANCE WITH THE STANDARDS OF THE INDUSTRY. THE OWNER WILL BE THE SOLE JUDGE OF THE ACCEPTABILITY OF THE WORK. MATERIALS AND WORK DEEMED UNACCEPTABLE WILL BE REMOVED AND
- REDONE AT THE SOLE COST AND RESPONSIBILITY OF THE CONTRACTOR. 2. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT HIS WORK AND WILL BE HELD RESPONSIBLE FOR CONSEQUENTIAL DAMAGES DUE TO HIS ACTIVITIES. THE CONTRACTOR SHALL BE RESPONSIBLE TO THE OWNER FOR THE ACTS AND
- OMISSIONS OF HIS EMPLOYEES, AND THEIR AGENTS AND EMPLOYEES, AND ANY OTHER PERSONS PERFORMING ANY THE WORK UNDER A SEPARATE CONTRACT WITH THE CONTRACTOR 3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROPERLY SHORE EXISTING
- UTILITIES & DECK IF REQUIRED BY CONSTRUCTION. 4. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO NOTIFY THE THE BUILDING INSPECTOR IN ADVANCE OF HIS WORK OR AS THE INSPECTOR DEEMS
- 5. ALL CONDITIONS, LOCATIONS AND DIMENSIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR AND THE OWNER/ENGINEER NOTIFIED IN WRITING OF ANY
- DISCREPANCIES PRIOR TO THE START OF WORK. THE OWNER/ENGINEER WILL EVALUATE THE SITUATION AND MODIFY THE PLAN AS NECESSARY. 6. ALL CHANGES MADE TO THIS PLAN SHALL BE APPROVED BY THE ENGINEER'S
- WHOSE SEAL APPEARS ON THESE DRAWINGS. 7. ALL WRITTEN DIMENSIONS ON THE DRAWINGS SHALL TAKE PRECEDENCE OVER
- ANY SCALED DIMENSIONS. 8. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK USING HIS BEST SKILL AND ATTENTION. HE SHALL BE SOLELY RESPONSIBLE FOR ALL
- CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES
- AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THIS CONTRACT. 9. THE CONTRACTOR SHALL VERIFY ALL SUBSTRUCTURES ENCOUNTERED DURING CONSTRUCTION.
- 10. THE DESIGN ENGINEER DISCLAIMS ANY LIABILITY FOR DAMAGE OR LOSS INCURRED DURING OR AFTER CONSTRUCTION. 11. THE CONTRACTOR SHALL SECURE & PAY FOR A BUILDERS RISK POLICY TO
- COVER THE PERIOD OF CONSTRUCTION. THE ENGINEER & OWNER SHALL BE NAMED AS ADDITIONAL INSURED. ALL CONTRACTORS EMPLOYED AT THE SITE
- SHALL BE COVERED BY WORKMAN'S COMPENSATION. 12. ENGINEER'S WHOSE SEAL APPEARS HEREON HAS NOT BEEN RETAINED FOR SUPERVISION OF CONSTRUCTION, SUBSEQUENTLY, HE HIS NOT RESPONSIBLE FOR CONSTRUCTION AND THEREFORE ASSUMES NO RESPONSIBILITY FOR
- CONSTRUCTION PRACTICES, PROCEDURES, AND RESULTS THEREFROM. 13. CONTRACTOR SHALL RESPECT 100' WETLAND CONTROL SETBACK, AND SHALL STAY WITHIN THE ORIGINAL LIMIT OF IMPROVEMENTS WITH PROPOSED STRUCTURES. ALL PRECAUTIONS SHALL BE TAKEN TO MINIMIZE DISTURBANCE WITHIN THE CONTROL AREA BY INSTALLING THE SEDIMENT EROSION CONTROL

Wall Notes:

PRACTICES REQUIRED.

- 1. SOIL REINFORCEMENT/GEOGRID SHALL BE "UX1100" U.O.N. AS MANUFACTURED BY THE TENSAR CORPORATION, MORROW GEORGIA.
- 2. UX1100 GEOGRID SHALL BE ORIENTED WITH THE ROLL DIRECTION
- PERPENDICULAR TO THE WALL FACE. 3. TENSAR GEOGRIDS SHALL BE CONSTRUCTED IN ACCORDANCE WITH
- INSTALLATION PROCEDURES ESTABLISHED BY TENSAR EARTH TECHNOLOGIES. 4. THE CONTRACTOR SHALL PROVIDE PROPER SURFACE DRAINAGE DURING AND AFTER CONSTRUCTION TO MINIMIZE WATER INFILTRATION INTO THE REINFORCED
- 5. GEOGRIDS SHALL BE INSTALLED AT THE SPECIFIED ELEVATIONS SHOWN ON THE WALL SECTION.
- 6. TENSAR GEOGRIDS SHALL BE PULLED TAUT UNTIL SUFFICIENT FILL IS PLACED OVER THE GEOGRIDS TO MAINTAIN TENSION IN THE GEOGRID. "U" SHAPED PINS
- SHALL BE USED TO FACILITATE INSTALLATION. 7. CONSTRUCTION EQUIPMENT SHALL NOT BE PERMITTED ON THE GEOGRID PRIOR TO THE PLACEMENT OF A MINIMUM OF 8" THICKNESS OF SOIL.
- 8. EXCAVATION IN GENERAL SHALL CONFORM TO THE LINES AND GRADES SHOWN ON THE CONTRACT DRAWINGS.
- 9. SOILS USED AS BACKFILL WITHIN THE REINFORCED ZONE AND UNIT DRAINAGE FILL SHALL CONSIST OF SOUND DURABLE PARTICLES TO THE GRADATION SHOWN IN THE TABLES BELOW. THE MATERIAL SHALL BE GRANULAR AND FREE OF ORGANIC OR OTHER DELETERIOUS MATERIAL. IN GENERAL THE SOIL SHALL BE NON- PLASTIC WITH A PLASTICITY INDEX LESS THAN 5 AND SHALL CONFORM TO THE AASHTO SOIL CLASSIFICATION SYSTEM FOR AN "A-1-a" SOIL. HOWEVER THE
- MAXIMUM SIZE SHALL BE AS SHOWN. IN GENERAL ALL FILL SHALL BE APPROVED BY THE ENGINEER PRIOR TO IT'S USE. WET MATERIAL OR UNSUITABLE MATERIAL SHOULD NOT BE USED.

	REINFORCED ZONE FILL						
	SIEVE SIZE	PERCENT PASSING BY WEIGHT					
	2"	100					
-	No. 10	50 MAX.					
-	No. 40	30 MAX.					
-	No. 200	15 MAX.	l				

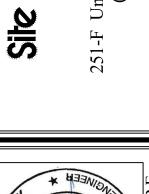
L	 UNIT DRAINAG	SE FILL
IT PASSING VEIGHT	SIEVE SIZE	PERCENT PASSING BY WEIGHT
0	1"	100
MAX.	3/4"	75 - 100
MAX.	No. 4	0 -10
MAX.	No. 50	0 - 5

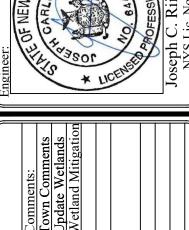
10. IF ON-SITE EXCAVATED MATERIAL IS USED IT MUST CONFORM TO THE SAME

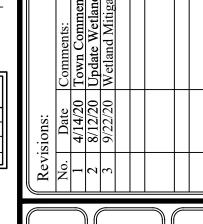
- MINIMUM REQUIREMENTS SPECIFIED. 11. SOIL WITHIN THE REINFORCED ZONE SHALL BE PLACED IN LOOSE 8" LIFTS. EACH LIFT SHALL BE COMPACTED TO A MINIMUM OF 98% OF THE MAXIMUM DRY
- DENSITY AS DETERMINED BY A.S.T.M. D1557 METHOD C. 12. EXCAVATION SHALL BE PERFORMED IN ACCORDANCE WITH THE "CONSTRUCTION SAFETY AND HEALTH ACT" (O.S.H.A.) PART 1926 SUB-PART P. 13. GEOTEXTILE FABRIC SHALL BE TREVIRA SPUNBOUND NON-WOVEN #1125 OR
- APPROVED EQUAL. THE GEOTEXTILE SHALL BE INSTALLED AS PER THE MANUFACTURER'S RECOMMENDATIONS AND GUIDELINES. 14. THE CONTRACTOR SHALL NOT USE LARGE OR HEAVY CONSTRICTION EQUIPMENT
- WITHIN 5' OF THE RETAINING WALLS OR NEW GARAGE FOUNDATION WALL. HAND OPERATED COMPACTING EQUIPMENT SHALL BE USED WITHIN 5' OF THE WALL 15. DURING BACKFILL OPERATIONS, THE CONTRACTOR SHALL BE CAREFUL NOT TO
- CREATE UNBALANCED LOADING CONDITIONS ON THE WALL. BACKFILL SHOULD BE PLACED AND COMPACTED ON BOTH SIDES OF THE WALL SIMULTANEOUSLY. 16. THE SEGMENTAL WALL SYSTEM SHALL BE THE KEYSTONE RETAINING WALL
- SYSTEM OR UNILOCK 17. THE MODULAR BLOCK RETAINING WALL SYSTEM SHALL BE INSTALLED ACCORDING TO THE MANUFACTURES SPECIFICATION AND THE DESIGN AND CONSTRUCTION MANUAL.
- 18. THE ENGINEER SHALL BE NOTIFIED OF UNSUITABLE SUB-GRADE SOILS PRIOR TO PLACEMENT OF THE GEOGRID REINFORCED SOIL.

19. ALTERNATE WALL DESIGNS MUST BE SEALED BY A NEW YORK STATE LICENCED PROFESSIONAL ENGINEER THE MINIMUM FACTORS OF SAFETY FOR SLIDING AND OVERTURNING SHALL BE 2.0.











C-505

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MESA® RETAINING WALL SYSTEMS

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It shall be Receiver's responsibility to determine the compatibility of Data Files with the Receiver's computer software and hardware. Use of Data Files constitutes the agreement of the Receiver(or any other user) to the foregoing terms and conditions. TIC's total liability to Receiver or anyone authorized by Receiver for any and all injuries, claims, losses, expenses or damages whatsoever from any cause or causes, including, but not limited to, TIC's negligence, strict liability or breach of contract or breach of