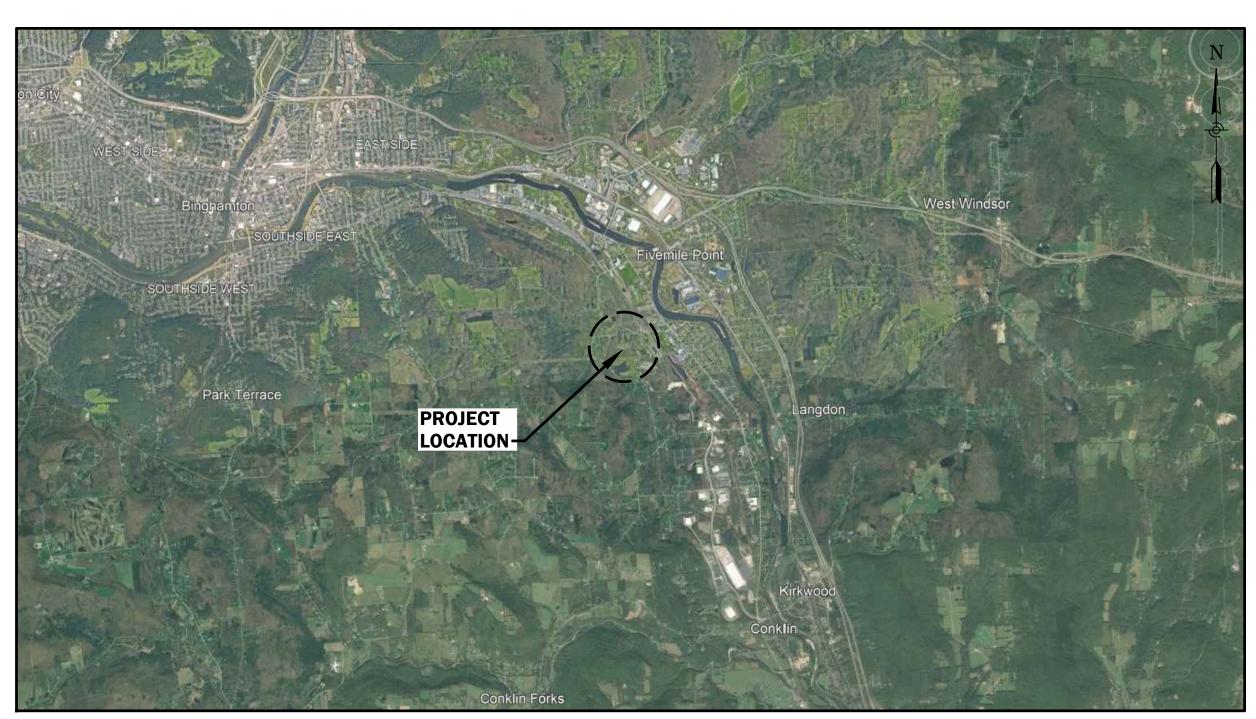
ABUNDANT SOLAR POWER (USNY-327 HARDIE RD-001) LLC HARDIE SOLAR FARM

327 HARDIE ROAD, TOWN OF CONKLIN **BROOME COUNTY, NEW YORK**



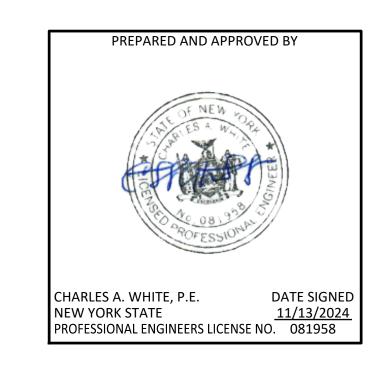
DRAWING INDEX	
SHEET NO.	SHEET TITLE
G001	COVER
G002	GENERAL NOTES, LEGEND, AND DRAWING INDEX
C001	EXISTING CONDITIONS AND DEMOLITION PLAN
C002	EROSION & SEDIMENT CONTROL PLAN
C101	CIVIL SITE PLAN
C102	CIVIL GRADING & DRAINAGE PLAN
C501	SITE DETAILS 1
C502	SITE DETAILS 2
C503	SITE DETAILS 3
C504	SITE DETAILS 4
C901	PHASE 1 DECOMMISSIONING PLAN
C902	PHASE 2 DECOMMISSIONING PLAN

IT IS A VIOLATION OF THE NEW YORK STATE **EDUCATION LAW, ARTICLE 145 §7209** SPECIAL PROVISIONS, FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER TH DIRECTION OF A LICENSED PROFESSIONA ENGINEER, ARCHITECT, LANDSCAP ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED. THE ALTERING PROFESSIONA SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.



PROJECT LOCATION MAP

SEPTEMBER 2024 SITE PLAN DRAWINGS



Sheet Number

2271.005.001

SPECIFIED PROJECT FOR WHICH THEY HAVE BEEN PREPARED WITHOUT THE EXPRESS WRITTEN CONSENT OF BARTON & LOGUIDICE, D.P.C. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF/HERSELF WITH THE SITE AND LOCATE ALL UTILITIES IN THE FIELD AND REPORT ANY DISCREPANCIES TO THE

PRIOR TO ANY DEMOLITION, CONTRACTOR SHALL NOTIFY OWNER'S REPRESENTATIVE AT LEAST 48-HOURS BEFORE WORK IS SCHEDULED TO BEGIN. 4. CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSING OF ALL DEBRIS OFF-SITE IN A SAFE MANNER. CONTRACTOR SHALL PROVIDE DOCUMENTATION OR

LEGAL DISPOSAL MANIFEST TO OWNER'S REPRESENTATIVE.

5. PRIOR TO EXCAVATION, THE CONTRACTOR SHALL PROVIDE SIMILAR MARK-UP AS PER CODE NYS 53 BY FIELD VERIFYING ALL THOSE UTILITIES SO MARKED. COORDINATE WITH OWNER'S REPRESENTATIVE.

4. ALL AREAS DISTURBED BY CONSTRUCTION TO BE RESTORED TO PRE-CONSTRUCTION CONDITIONS OF EQUAL OR GREATER VALUE, IF NOT INDICATED THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE UPKEEP OF ALL ON-SITE ROADS UTILIZED BY THE CONTRACTOR AND ITS SUBCONTRACTORS.

SUCH MAINTENANCE SHALL INCLUDE THE APPLICATION OF WATER TO ADEQUATELY CONTROL DUST. THE USE OF CALCIUM CHLORIDE IS PROHIBITED. NO OFF-SITE TRACKING OF DIRT ONTO ROAD WAYS WILL BE PERMITTED

6. ALL EXISTING ROADS USED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE RESTORED TO THEIR ORIGINAL CONDITION OR BETTER. GRAVEL ROADS CONTAMINATED WITH SOIL SHALL BE TOPPED WITH A CLEAN STONE WEARING SURFACE APPROVED BY THE ENGINEER.

7. THE CONTRACTOR SHALL PROVIDE AS-BUILT RECORD INFORMATION ELECTRONICALLY INCLUDING, BUT NOT LIMITED TO, THE LOCATION AND ELEVATION OF

THE FOLLOWING INFORMATION AS WELL AS ALL REQUIREMENTS OF THE SPECIFICATIONS 7.1. RECORD OF ALL UTILITIES ENCOUNTERED IN TRENCH EXCAVATION, INFORMATION SHALL INCLUDE DIAMETER OF UTILITY, DEPTH OF BURIAL AND

LOCATION. INFORMATION SHALL BE KEPT CURRENT ON A WEEKLY BASIS.

7.2. DENOTE BENCH MARK REFERENCE POINTS USED. RECORD DETAILS NOT SHOWN ON THE ORIGINAL CONTRACT DRAWINGS. ANY FIELD CHANGES OF DIMENSIONS AND DETAILS AND ALL CHANGES MADE BY CHANGE ORDER OF FIELD ORDER.

7.4. CERTIFICATE OF SUBSTANTIAL COMPLETION SHALL NOT BE ISSUED UNTIL ALL AS-BUILT INFORMATION IS ACCEPTABLE TO THE ENGINEER. 8. ALL CONTRACTOR STAGING AREAS AND ACCESS ROADS SHALL BE COORDINATED AND APPROVED BY THE OWNER/ENGINEER.

LAYOUT NOTES:

AFTER STAKEOUT, PRIOR TO ANY CLEARING, GRUBBING, EXCAVATION, OR GRADING, THE CONTRACTOR SHALL INSTALL TREE PROTECTION, AS SPECIFIED.

2. COORDINATE UTILITY WORK WITH THE LOCATIONS AND FINAL GRADES OF ALL OTHER WORK. WHERE CONFLICTS OCCUR, NOTIFY THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION OF UTILITIES AND MAKE ADJUSTMENTS AS REQUIRED. IF EXISTING OR NEW UTILITIES HAVE BEEN INSTALLED IN CONFLICT OF CURBS, PAVINGS, OR OTHER STRUCTURES AT DEPTHS TOO SHALLOW FOR PROPER COVER BENEATH FINAL NEW GRADES OR INCORRECT FINISH GRADE, THEY SHALL BE ADJUSTED OR REMOVED AND REPLACED AS NECESSARY WITHOUT EXTRA COMPENSATION.

GRADING AND DRAINAGE NOTES:

CONTRACTOR SHALL VERIFY LOCATION OF ALL UTILITIES IN THE FIELD. COORDINATE AND COMPLY WITH NEW YORK STATE CODE 53 REQUEST REQUIREMENTS

THE CONTRACTOR SHALL PROTECT ALL EXISTING SITE AMENITIES NOT DESIGNATED FOR REMOVAL THE CONTRACTOR SHALL CHECK AND VERIFY ALL PROPOSED GRADES, DIMENSIONS, EXISTING CONDITIONS AND UTILITIES AND REPORT ANY DISCREPANCIES

TO THE OWNER'S REPRESENTATIVE FOR HIS/HER DIRECTION BEFORE PROCEEDING WITH THE WORK.

4. THE USER OF THESE DRAWINGS IS CAUTIONED THAT UNDERGROUND UTILITIES AND FOUNDATIONS AS SHOWN ARE NOT GUARANTEED. NOR IS THERE ANY GUARANTEE THAT ALL EXISTING UTILITIES AND FOUNDATIONS, WHETHER ABANDONED OR FUNCTIONAL, ARE SHOWN ON THESE DRAWINGS.

THE CONTRACTOR SHALL EXERCISE EXTREME CARE WHEN WORKING NEAR EXISTING TREES.

ALL FINAL GRADING SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO PLANTING, SEEDING, OR SODDING.

ALL GRADING WORK SHALL BE STAKED OUT USING GRADE STAKES.

8. ALL FILL MATERIAL SHALL BE FREE FROM ROOTS AND OTHER ORGANIC MATERIAL, TRASH AND FROZEN MATERIAL. NO STONES LARGER THAN 2" IN ANY DIMENSION SHALL BE PERMITTED.

9. THE CONTRACTOR SHALL CONFORM TO THE REQUIREMENTS OF OSHA, AND ANY OTHER AGENCY HAVING JURISDICTION WITH REGARD TO SAFETY PRECAUTIONS WITH TRENCHING OPERATIONS. THE REQUIREMENTS SET FORTH HEREIN ARE INTENDED TO SUPPLEMENT REQUIREMENTS ESTABLISHED BY OTHER AGENCIES. IN THE CASE OF A CONFLICT BETWEEN REQUIREMENTS OF OTHER JURISDICTIONAL AGENCIES AND THESE DOCUMENTS, THE MORE STRINGENT REQUIREMENT SHALL APPLY.

10. SHEETING, IF REQUIRED DURING CONSTRUCTION, IS CONSIDERED TO BE PART OF THIS CONTRACT AND SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE

11. ALL TRENCHES THROUGH PAVEMENT SHALL BE SAW CUT PRIOR TO EXCAVATION AND AGAIN PRIOR TO PAVEMENT RESTORATION

12. CONTRACTOR SHALL ADJUST THE RIMS OF ALL MANHOLES, CATCH BASINS, VALVE BOXES AND OTHER UTILITY SITE STRUCTURES TO MEET FINISHED GRADE IN AREAS REQUIRING RE-PAVING OR RE-GRADING AS PART OF THE WORK, INCLUDING THOSE THAT MAY NOT BE SHOWN ON THE PLANS.

13. VOIDS LEFT BY UTILITY OR STRUCTURAL REMOVAL OR GRUBBING OPERATIONS SHALL BE BACKFILLED AND PROPERLY COMPACTED WITH STRUCTURAL FILL (NYSDOT ITEM 304.12) IN AREAS UNDER AND WITHIN 5 FEET HORIZONTALLY OF ALL STRUCTURES, BUILDINGS AND PAVEMENTS. IN GRASSED AREAS, VOIDS LEFT SHALL BE FILLED AND PROPERLY COMPACTED WITH SUITABLE ON-SITE OR IMPORTED EARTHEN BACKFILL. ALL DISTURBED AREAS SHALL BE RESTORED.

14. THE CONTRACTOR SHALL DEWATER ALL EXCAVATIONS TO PREVENT THE INTRODUCTION OF GROUNDWATER INTO THE TRENCHES/EXCAVATIONS. PROVIDE ALL EQUIPMENT NECESSARY TO MAINTAIN THE GROUNDWATER LEVEL AS NECESSARY.

15. THE CONTRACTOR SHALL PLACE A MINIMUM OF 4 INCHES OF CLEANED SCREENED TOPSOIL IN ALL DISTURBED AREAS PRIOR TO SEEDING.

PRIOR TO SUBMITTING THE BID, IT IS THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE AND FAMILIARIZE HIMSELF/HERSELF WITH THE SITE CONDITIONS AND EXISTING CONDITIONS TO BE REMOVED.

THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND DIMENSIONS IN THE FIELD BEFORE COMMENCING WITH ANY FABRICATION, ORDERING OF MATERIAL. OR PERFORMING WORK, THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE OF ANY CONDITIONS OR DIMENSIONS THAT WOULD

HAMPER THE PERFORMANCE OF THE WORK IN ACCORDANCE WITH THE CONTRACT DRAWINGS AND SPECIFICATIONS. THE LOCATIONS OF EXISTING UTILITIES, WATER, SEWERS, AND DRAINAGE STRUCTURES HAVE BEEN INDICATED BASED ON THE BEST AVAILABLE INFORMATION PROVIDED BY THE SURVEYOR. IT IS POSSIBLE THAT THE ACTUAL SUBSURFACE UTILITIES AND PIPING MAY VARY FROM THAT INDICATED. THEREFORE, PRIOR TO STARTING WORK IN ANY AREA, THE CONTRACTOR SHALL TAKE THE NECESSARY STEPS TO DETERMINE THE LOCATIONS OF ALL EXISTING UNDERGROUND PIPING CONDUIT AND STRUCTURES. HE/SHE SHALL CARRY OUT HIS/HER OPERATIONS IN SUCH A MANNER AS TO PREVENT INTERFERENCE WITH LINES WHICH ARE TO REMAIN ALONE. ANY PIPE OR CONDUIT DISTURBED IN THE COURSE OF CONTRACT SHALL BE REPAIRED BY THE CONTRACTOR AT NO EXTRA COST TO THE

4. ALL EXISTING UTILITIES SHALL BE MARKED OUT BY THE CONTRACTOR PRIOR TO ANY CONSTRUCTION ACTIVITIES.

ALL ADJACENT AREAS OUTSIDE OF THE DISTURBANCE LIMIT LINE AND DISTURBED DURING THE COURSE OF CONSTRUCTION, SHALL BE REPAIRED TO NEW CONDITION BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

6. ALL AREAS NOT COVERED BY IMPERVIOUS SURFACE AND DAMAGED DURING CONSTRUCTION SHALL BE TOPSOILED AND EITHER SEEDED OR SODDED IN ACCORDANCE WITH THE PLANS AND SPECS.

PRIOR TO THE START OF EXCAVATION FOR NEW DRAINAGE, THE CONTRACTOR SHALL VERIFY THE LOCATION OF EXISTING UNDERGROUND UTILITIES WITHIN

THE AREA OF WORK. WHERE CONSTRUCTION CROSSES OR IS ADJACENT TO EXISTING UTILITY LINES (FUEL, WATER, GAS, TELEPHONE, ELECTRIC, COMMUNICATION, ETC.) THE CONTRACTOR SHALL CAREFULLY HAND EXCAVATE SO AS TO LOCATE, MARK AND PROTECT THE UTILITY LINES AGAINST DISTURBANCE OR DAMAGE BY

PROVIDING ADEQUATE SUPPORT AND PROTECTION AS APPROVED BY THE OWNER'S REPRESENTATIVE. THE CONTRACTOR SHALL REPAIR ANY POWER OR COMMUNICATION INTERRUPTION IMMEDIATELY, AT NO ADDITIONAL COST TO OWNER. WHERE INTERFERENCE WITH OTHER UTILITIES OR CONSTRUCTION ARE ENCOUNTERED DURING CONSTRUCTION OF NEW UTILITY LINES, THE CONTRACTOR MAY

ADJUST THE ALIGNMENT OR INVERT ELEVATIONS OF THAT SYSTEM ONLY AT THE DIRECTION OF THE OWNER'S REPRESENTATIVE. 10. THE CONTRACTOR SHALL ACCEPT FULL RESPONSIBILITY FOR THE PROPER PROTECTION OF EXISTING STRUCTURES WHICH ARE DESIGNATED TO REMAIN DURING CONSTRUCTION AND THE LIFE OF THE CONTRACT. ANY STRUCTURES FOUND TO BE DAMAGED DURING THE PROJECT DURATION SHALL BE REPAIRED OR REPLACED AT THE OWNER'S REPRESENTATIVE'S DISCRETION TO THE COMPLETE SATISFACTION OF THE OWNER'S REPRESENTATIVE AND AT THE CONTRACTOR'S FULL EXPENSE.

11. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN WORKING ADJACENT TO ACTIVE POWER AND COMMUNICATION LINES TO PREVENT DAMAGE TO THESE LINES. THE CONTRACTOR SHALL HAND EXCAVATE TEST PITS TO EXPOSE THOSE LINES PRIOR TO PERFORMING ANY OTHER EXCAVATION WORK IN THE AREA. THE CONTRACTOR SHALL REPAIR AT HIS/HER EXPENSE, ANY POWER OR COMMUNICATION INTERRUPTION IMMEDIATELY.

12. APPLY EROSION CONTROL MATTING TO ALL STEEP SLOPES, DISTURBED AND NEW SLOPES, 4:1 AND GREATER, UNTIL SLOPES ARE STABILIZED.

SURVEY NOTES:

1. NORTH ARROW, BEARINGS AND COORDINATES ARE REFERENCED TO NORTH AMERICAN DATUM (NAD) OF 1983 PROJECTED ONTO THE NEW YORK STATE

PLANE COORDINATE SYSTEM (CENTRAL ZONE) AND ARE BASED UPON GPS OBSERVATIONS UTILIZING THE NEW YORK STATE CORS NETWORK. 2. VERTICAL DATUM IS NAVD88. CONTOURS SHOWN HEREON ARE BASED UPON LIDAR MAPPING FROM THE NEW YORK STATE ORTHOIMAGERY PROGRAM. AWLS HAS PERFORMED SPOT ELEVATION CHECKS THROUGHOUT THE PROJECT AREA. ACCORDING TO GDB GEOSPATIAL WHO PROVIDED THE LIDAR MAPPING,

"THE LIDAR SHOULD BE ACCURATE TO AT LEAST HALF THE CONTOUR INTERVAL AT A 95 PERCENT CONFIDENCE LEVEL". UNDERGROUND FACILITIES AND STRUCTURES SHOWN HEREON WERE TAKEN FROM DATA OBTAINED FROM PREVIOUS MAPS AND RECORD DRAWINGS. ALL ABOVE GROUND STRUCTURES AND SURFACE FEATURES SHOWN HEREON ARE THE RESULT OF A FIELD SURVEY UNLESS OTHERWISE NOTED. THERE MAY BE OTHER UNDERGROUND UTILITIES, THE EXISTENCE OF WHICH ARE NOT KNOWN OR CERTIFIED BY THE UNDERSIGNED. THE SIZE AND LOCATION OF ALL UNDERGROUND UTILITIES AND STRUCTURES MUST BE VERIFIED BY THE APPROPRIATE AUTHORITIES. THE UNDERGROUND FACILITIES PROTECTIVE

ORGANIZATION MUST BE NOTIFIED PRIOR TO CONDUCTING TEST BORINGS, EXCAVATION AND CONSTRUCTION. SURVEY COMPLETED BY AUSFELD & WALDRUFF LAND SURVEYORS LLP.

CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO BID. NO ALLOWANCE WILL BE MADE FOR ADDITIONAL COSTS DUE TO CONTRACTOR'S

TIED AND ACCURATELY RESET BY A NYS LICENSED SURVEYOR UPON COMPLETION OF THE WORK.

FAILURE TO VERIFY EXISTING CONDITIONS. THE CONTRACTOR SHALL LOCATE, MARK, SAFEGUARD AND PRESERVE ALL SURVEY MARKERS AND RIGHT-OF-WAY MARKERS IN THE AREA OF CONSTRUCTION. ANY IRON PINS, MONUMENTS OR OTHER ITEMS DEFINING PROPERTY LINES WHICH ARE DISTURBED BY CONSTRUCTION OPERATIONS SHALL BE PROPERLY

EROSION AND SEDIMENT CONTROL NOTES:

1. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH BEST MANAGEMENT PRACTICES MANUAL FOR EROSION AND SEDIMENT CONTROL AND THE STANDARDS FOR NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION AND WILL BE INSTALLED IN PROPER SEQUENCE & MAINTAINED UNTIL PERMANENT STABILIZATION IS ESTABLISHED.

2. TIMELY MAINTENANCE OF SEDIMENT CONTROL STRUCTURES IS THE RESPONSIBILITY OF THE CONTRACTOR. 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 OWNER'S REPRESENTATIVE. 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.

3. THE LOCATIONS AND THE INSTALLATION TIMES OF THE SEDIMENT STANDARDS SHALL BE AS ORDERED BY THE OWNER'S REPRESENTATIVE, AND IN ACCORDANCE WITH THE STANDARDS SET FORTH IN THE SWPPP. 4. ALL TOPSOIL NOT TO BE USED FOR FINAL GRADING SHALL BE PLACED IN A STABILIZED STOCKPILE OR FILL AREA. STOCKPILED TOPSOIL TO BE TEMPORARILY SEEDED &

MULCHED WITHIN 14-DAYS.

5. STOCKPILES ARE NOT TO BE LOCATED WITHIN 50-FEET OF A FLOOD PLAIN, SLOPE, ROADWAY, OR DRAINAGE FACILITY. THE BASE OF ALL STOCKPILES SHOULD BE CONTAINED BY A HAY BALE BARRIER OR SILT FENCE.

6. ANY DISTURBED AREA THAT WILL BE LEFT EXPOSED FOR MORE THAN TWO WEEKS (14 DAYS) AND NOT SUBJECT TO CONSTRUCTION TRAFFIC SHALL IMMEDIATELY RECEIVE A TEMPORARY SEEDING AND MULCHING. IF THE SEASON PROHIBITS TEMPORARY SEEDING. THE DISTURBED AREA WILL BE MULCHED WITH SALT HAY OR EQUIVALENT AND BOUND IN ACCORDANCE WITH THE N.Y. STANDARDS (i.e. PEG AND TWINE, MULCH NETTING, OR LIQUID MULCH BINDER).

7. STABILIZATION SPECIFICATIONS

A. TEMPORARY SEEDING AND MULCHING: LIME-90 LBS/1,000SF GROUND LIMESTONE

FERTILIZER-11 LBS./1000SF 10-20-10 OR EQUIVALENT WORKED INTO SOIL A MINIMUM OF 4".

SEED-PERENNIAL RYEGRASS 40 LBS/ACRE (1 LB./ 1000SF) PLANTED BETWEEN MARCH 1-MAY 15 OR BETWEEN AUG. 15-OCT. 1. MULCH-SALT HAY OR SMALL GRAIN STRAW AT A RATE OF 70-90 LBS./1000SF TO BE APPLIED ACCORDING TO N.Y. STANDARDS. MULCH SHALL BE SECURED BY APPROVED METHODS (I.E. PEG AND TWINE, MULCH NETTING, OR LIQUID MULCH BINDING).

8. THE SITE AT ALL TIMES MUST BE MAINTAINED SUCH THAT ALL STORMWATER RUNOFF IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL FACILITIES. 9. SOIL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSPECTED AND MAINTAINED ON A DAILY BASIS, INCLUDING BEFORE AND AFTER EVERY STORM EVENT.

10. MAXIMUM SIDE SLOPES OF ALL EXPOSED SURFACES SHALL NOT EXCEED 3:1 UNLESS OTHERWISE APPROVED BY THE OWNER'S REPRESENTATIVE. 11. DUST SHALL BE CONTROLLED VIA THE APPLICATION OF WATER. THE USE OF CALCIUM CHLORIDE IS PROHIBITED.

12. ALL SOIL WASHED, DROPPED, SPILLED OR TRACKED OUTSIDE THE LIMIT OF DISTURBANCE OR ONTO PUBLIC RIGHT-OF-WAYS, WILL BE REMOVED IMMEDIATELY. PAVED ROADWAYS MUST BE KEPT CLEAN AT ALL TIMES DURING THE COURSE OF THE PROJECT.

13. STORM DRAINAGE OUTLETS WILL BE STABILIZED, AS REQUIRED, BEFORE DISCHARGE POINTS ARE OPERATIONAL

14. ALL DEWATERING OPERATIONS MUST DISCHARGE DIRECTLY INTO A SEDIMENT CONTROL DEVICE. 15. TREES TO REMAIN AFTER CONSTRUCTION ARE TO BE PROTECTED WITH A SUITABLE FENCE INSTALLED AT THE DRIP LINE OR BEYOND.

16. SEDIMENT AND EROSION CONTROL STRUCTURES SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE DRAINAGE AREA HAS BEEN PROPERLY STABILIZED BY

17. ACCESS MATTING TO BE PLACED IN ALL WETLAND AREAS FOR ACCESS BY CONSTRUCTION EQUIPMENT OF ANY TYPE. ACCESS MATTING SHOWN INDICATES LOCATIONS WHERE MATTING WILL BE PLACED FOR THE DURATION OF CONSTRUCTION.

18. LEVEL SPREADER SHALL BE INSTALLED IN ACCORDANCE WITH NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL.

1. SECTION 404 OF THE CLEAN WATER ACT (33 U.S.C. 1344) PROHIBITS THE DISCHARGE OF DREDGED OR FILL MATERIALS INTO THE WATERS OF THE UNITED STATES WITHOUT A PERMIT FROM THE U.S. ARMY CORPS OF ENGINEERS.

2. THE CONTRACTOR SHALL COMPLY WITH ALL PROVISIONS OF THE DEPARTMENT OF ENVIRONMENTAL CONSERVATION SECTION 401 BLANKET WATER QUALITY CERTIFICATION PERMIT, AND THE SPDES GENERAL PERMIT (GP-0-20-001) FOR STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION

3. CONSTRUCTION WITHIN FEDERAL WETLANDS SHALL BE DONE IN ACCORDANCE WITH NATIONWIDE PERMIT NO. 12 AND PERMITS AND REQUIREMENTS SET FORTH FROM THE DEC AND USACE DURING THE JOINT APPLICATION PROCESS. CONTRACTOR IS RESPONSIBLE FOR INSTALLING AND MAINTAINING ADDITIONAL PRACTICES NOT INCLUDED IN THE SWPPP AS NECESSARY TO PREVENT WATER QUALITY VIOLATIONS.

— — —410— — MAJOR CONTOURS MINOR CONTOURS PARCEL BOUNDARY ------ EDGE OF BRUSH EDGE OF PAVEMENT EXISTING OVERHEAD UTILITIES BARBED WIRE, CHAIN LINKED FENCE **DECIDUOUS TREE** SANITARY MANHOLE UTILITY POLE + 357.82 SPOT ELEVATION CIRF ⊙ CAPPED IRON ROD FOUND IRF ⊙ IRON ROD FOUND IRON PIPE FOUND WETLAND FLAG FOUND WLF 🔿 WETLAND BOUNDARY FLAG A-49 ○ **DELINEATED WETLAND BOUNDARY**

EXISTING UNPAVED ROAD

EXISTING PAVED ROAD

— – – — SOIL TYPE BOUNDARY

EXISTING CONDITIONS LEGEND

PROPOSED LEGEND

MAJOR CONTOURS MINOR CONTOURS OVERHEAD ELECTRIC LINE

UNDERGROUND ELECTRIC LINE AGRICULTURAL FENCING LIMITED USE PERVIOUS ACCESS ROAD

GRAVEL DRIVEWAY RESTORATION

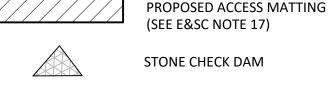
CONCRETE ELECTRICAL EQUIPMENT PAD

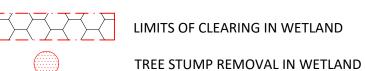
SOLAR PANEL ARRAY

SILT FENCE / SILT SOCK BRUSH CLEARING LINE













RIP RAP OUTFALL PROTECTION

_ _ _ _ _ _ LEVEL SPREADERS —— ORANGE CONSTRUCTION FENCE

REVIEW ONLY NOT FOR CONSTRUCTION

±380 FEET

±1,130 FEET

PROJECT DATA

PARCEL INFORMATION

APPLICANT (I.E., OWNER ABUNDANT SOLAR POWER (US NY-327 HARDIE RD-001) DEVELOPER, OPERATOR) 327 HARDIE RAOD, CONKLIN, NY 13748 PARCEL ADDRESS 178.01-1-29.11, 29.12, & 29.2 <u>/2</u> TAX NUMBER(S) 42°04'35.58" N, 75°50'05.83" W GPS COORDINATES ±27.25 ACRES 2 PARCEL AREA DISTURBED AREA/WORK ±20.9 ACRES LIMITS ±660 SF EACH (2 TOTAL) **EQUIPMENT PAD AREA** ±3,510 SF STAGING AREA ±18.4 ACRES FENCED AREA ROAD LENGTH ±550 SF SILT FENCE / FIBER ROLL ±4,115 LF ±3,850 LF AGRICULTURAL FENCE **GATE COUNT** 1 - MAIN GATE {24' W}

SYSTEM SUMMARY

SYSTEM AC SIZE (MW) 5.0 SYSTEM DC SIZE (MW) MODULE COUNT INVERTER COUNT SWITCH GEAR COUNT TRANSFORMER COUNT **EQUIPMENT PAD COUNT**

UTILITY POLE COUNT

ZONING INFORMATION

CODE APPLIED TOWN OF CONKLIN **WEBSITE** HTTPS://TOWNOFCONKLIN.ORG/ ZONING DISTRICT ONE AND TWO FAMILY RESIDENCE - R-15 COMMERCIAL SOLAR ENERGY SYSTEM) PROPOSED USE REQUIRED PROPOSED MIN. 5 ACRES OPEN FOR **LOT SIZE** ±27.23 ACRES **DEVELOPMENT** 15' AT MAX. TILT MIN. 100' FROM NON-PARTICIPATING 100 FEET RESIDENTIAL PROPERTY MIN. 300' FROM NON-PARTICIPATING, 300 FEET HABITABLE RESIDENTIAL STRUCTURES MIN. 50' FROM NON-PARTICIPATING, **SETBACKS** 50 FEET NON-RESIDENTIAL PROPERTY LINE MIN. 50' FROM THE **BOUNDARY LINE OF ANY**

PUBLIC STREET OR

ROADWAY

MIN. 1000' FROM ALL

PROPERTY BOUNDARY

LINES OF A PLACE OF

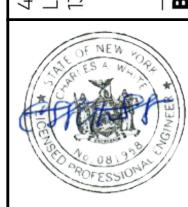
PUBLIC ASSEMBLY

UNLESS THEY ARE ACTING UNDER TH DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING PROFESSIONAL SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION

T IS A VIOLATION OF THE NEW YORK STATE

EDUCATION LAW, ARTICLE 145 §720 SPECIAL PROVISIONS, FOR ANY PERSON

REVISIONS /1 | PB SUBMISSION 2 PB SUBMISSION

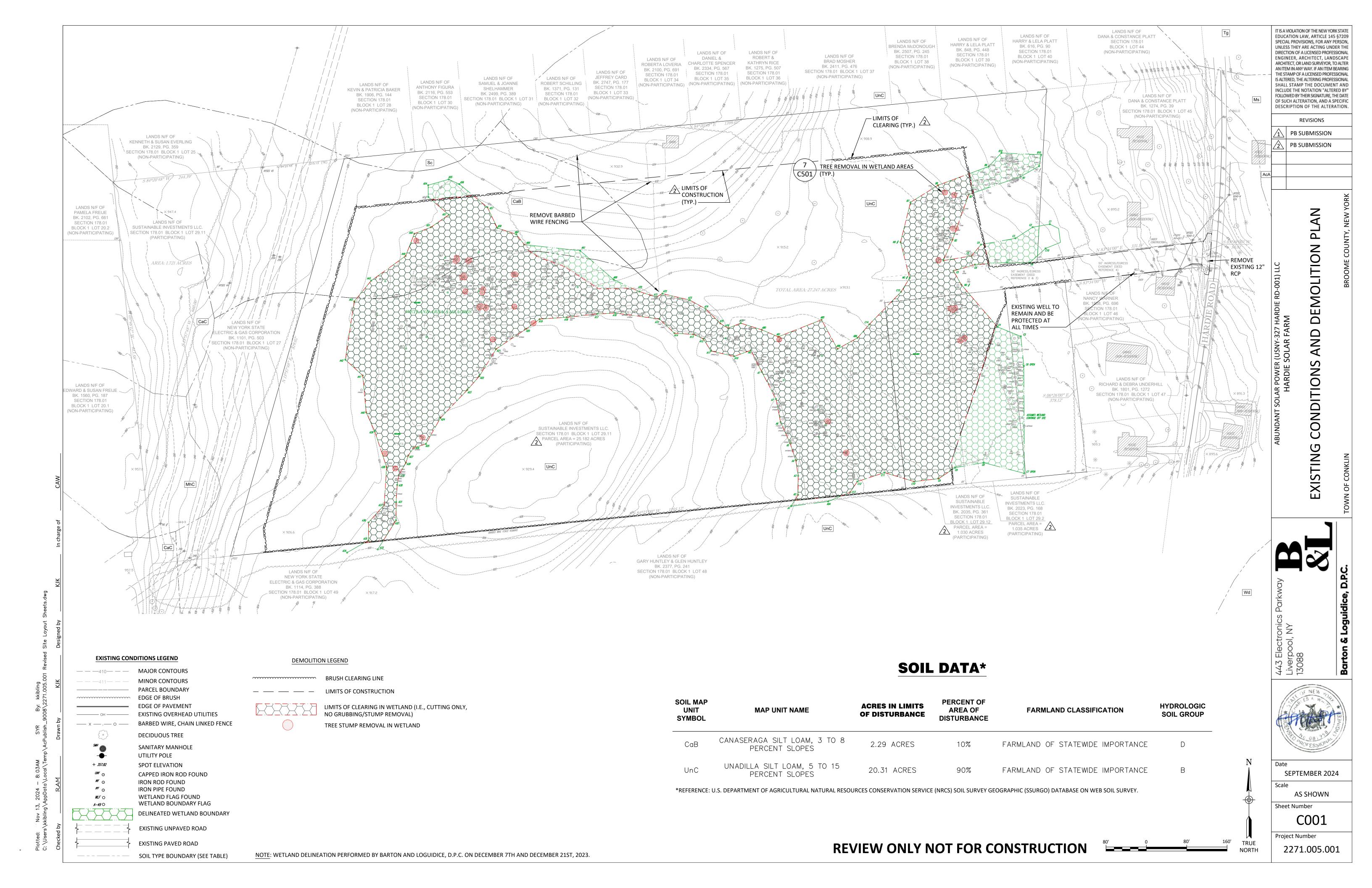


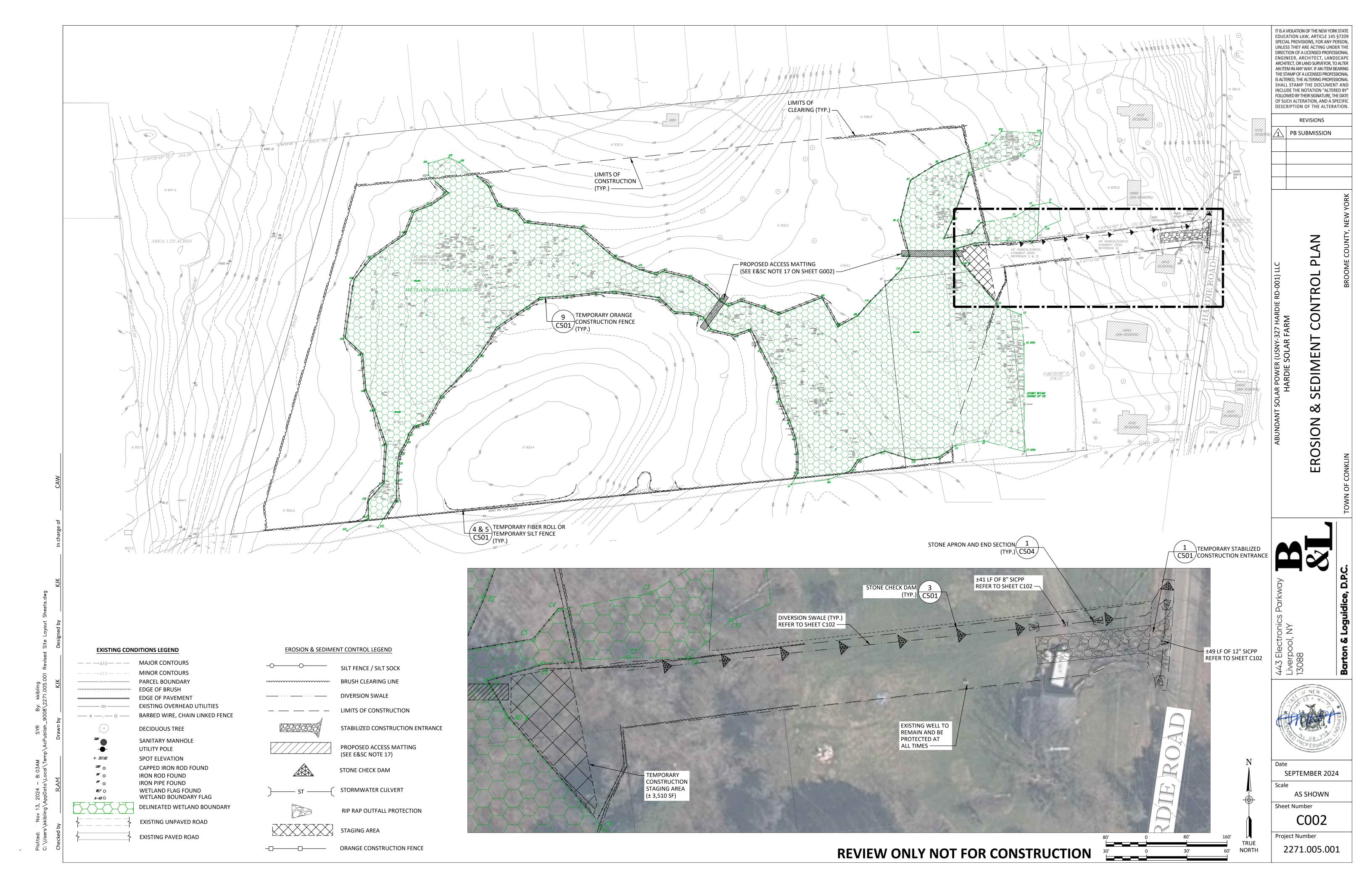
SEPTEMBER 2024

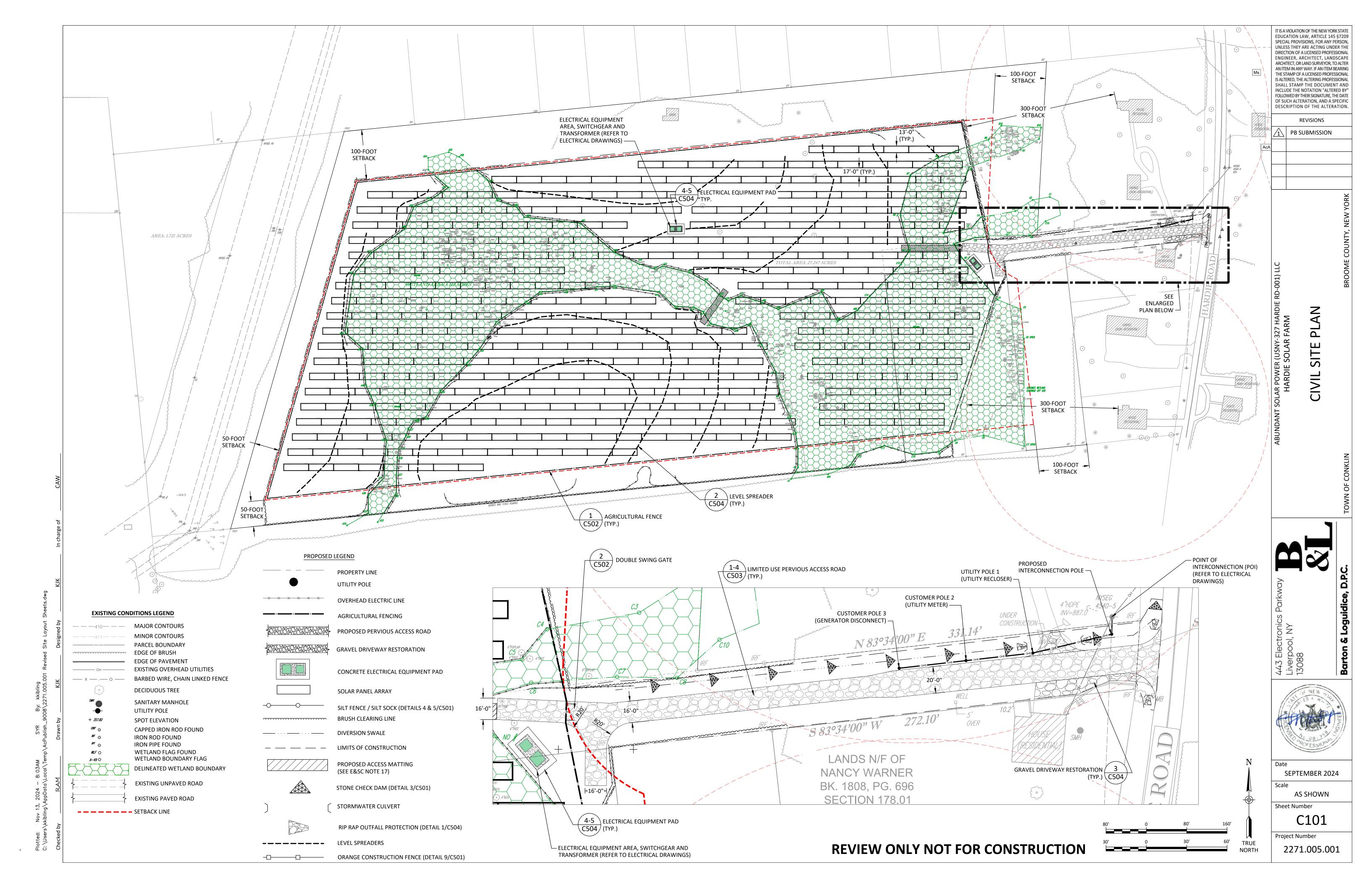
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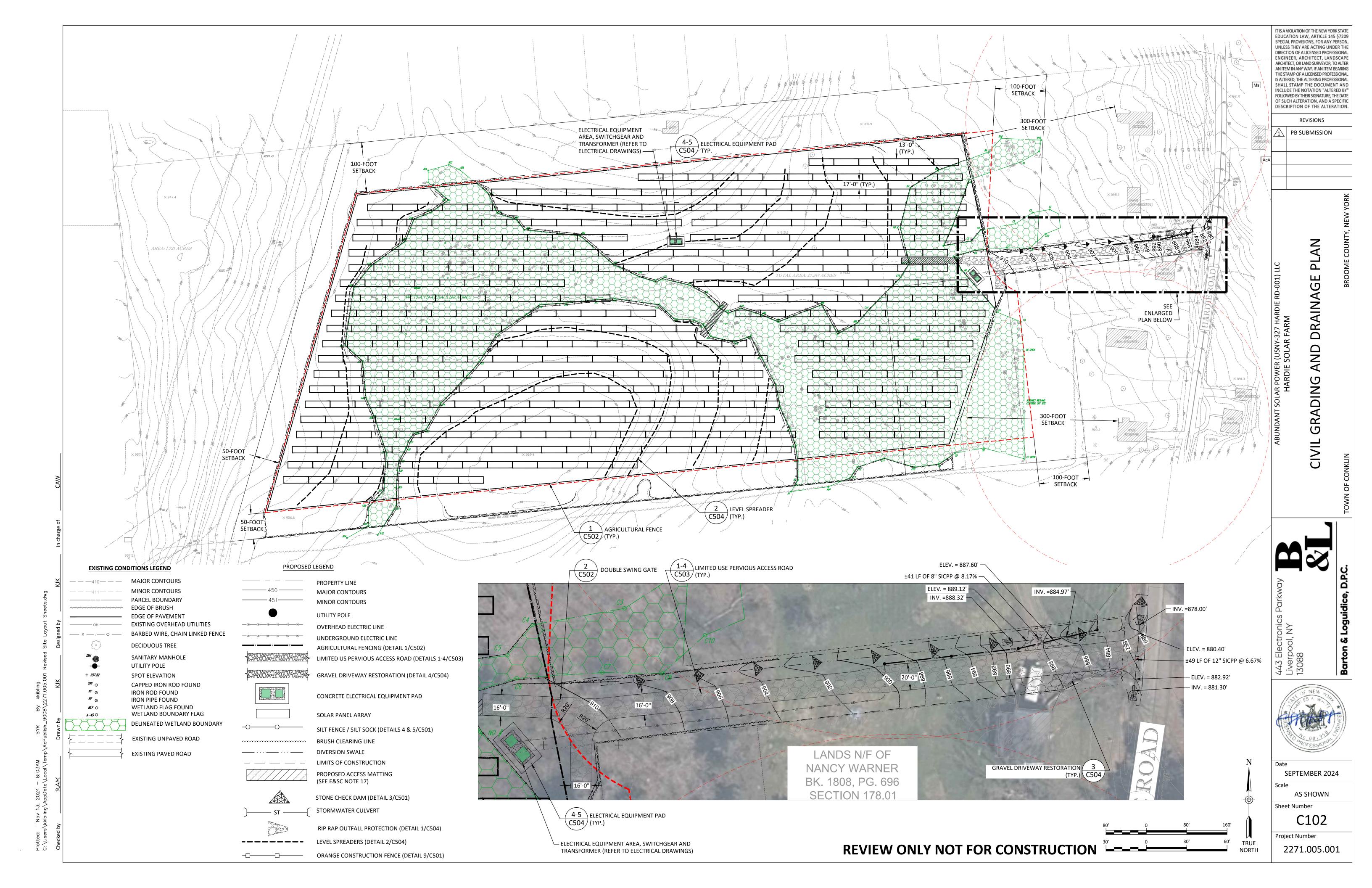
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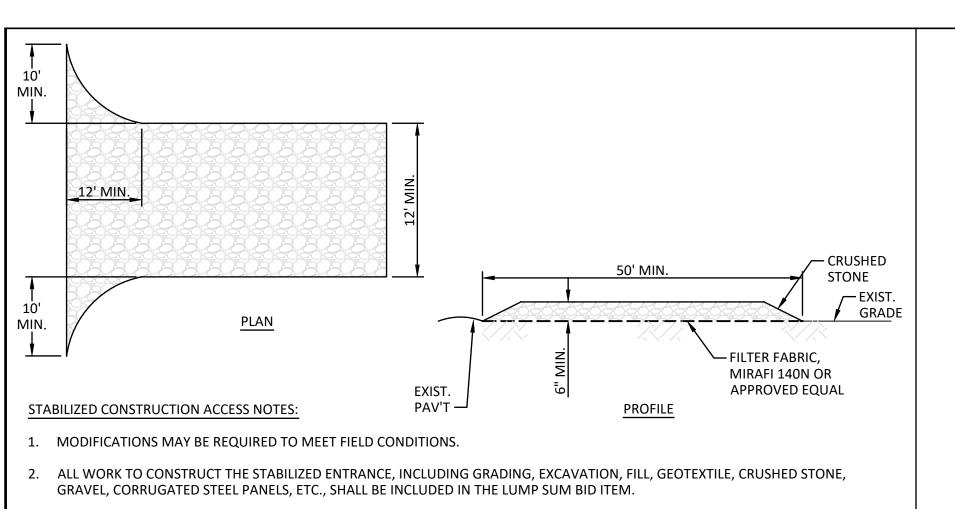
Project Number 2271.005.001





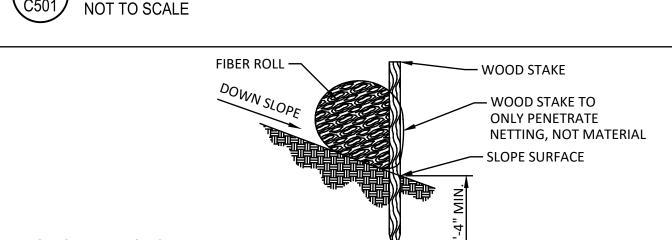




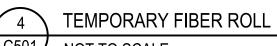


- GEOTEXTILE SHALL BE PLACED OVER THE ENTIRE AREA OF STABILIZED CONSTRUCTION ENTRANCE PRIOR TO PLACING STONE. STONE SHALL MEET THE REQUIREMENTS OF NYSDOT ITEM 623.12, CRUSHED NO. 3 STONE.
- 4. ALL SURFACE WATER SHALL BE DIVERTED AWAY FROM CONSTRUCTION ENTRANCE. A MOUNTABLE BERM WITH 5:1 SLOPE IS PERMITTED.
- 5. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT OF WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT OF WAY MUST BE REMOVED IMMEDIATELY.
- WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA WITH STONE AND WHICH DRAINS ONTO AN APPROVED SEDIMENT TRAPPING DEVICE (OR CORRUGATED STEEL PANELS).
- 7. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE DONE REGULARLY AND FOLLOWING EACH RAINFALL.

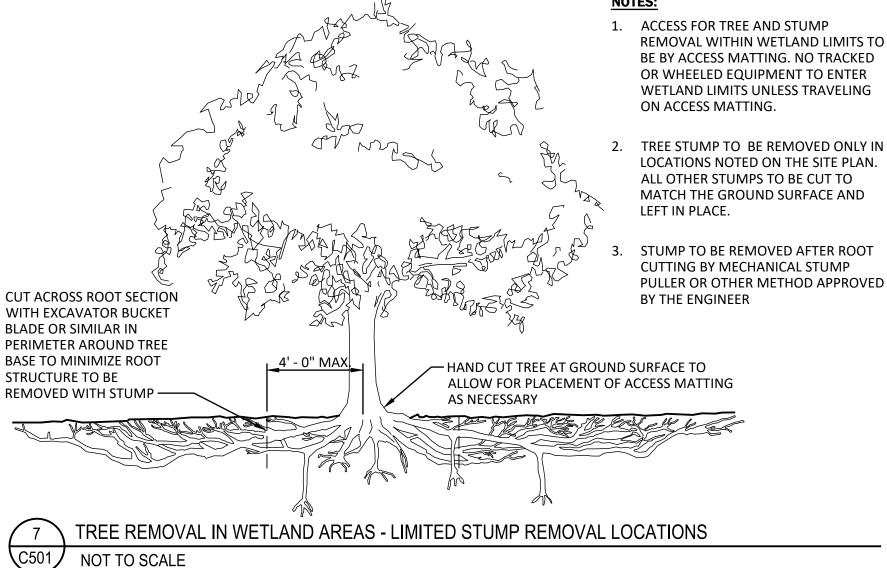
TEMPORARY STABILIZED CONSTRUCTION ENTRANCE

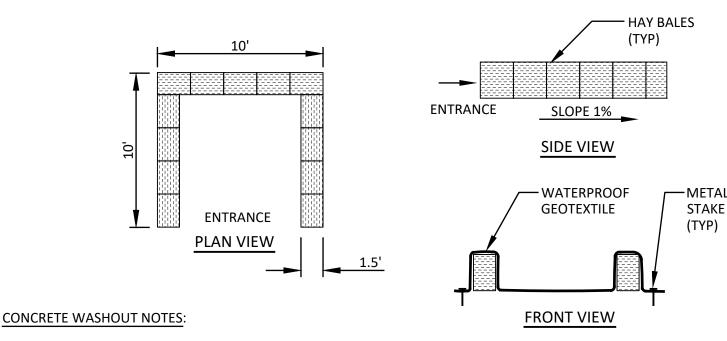


- FIBER ROLL GENERAL NOTES:
- FIBER ROLL DIKE SHALL BE PLACED A MINIMUM OF 2 FEET FROM TOE OF SLOPE, (5 FEET PREFERRED), TO PROVIDE ADEQUATE AREA FOR SEDIMENT STORAGE AND TO FACILITATE MAINTENANCE OF SEDIMENT CONTAINMENT AREA.
- POSTS MAY BE 1.5" X 1.5" (MINIMUM) HARDWOOD, 1.5" X 3.5" (MINIMUM) SOFTWOOD, OR 2kg/m (MIN) STEEL. SPACING SHALL BE 36" (MAXIMUM) BETWEEN STAKES.
- FIBER ROLLS SHALL BE INSTALLED PARALLEL TO THE CONTOUR. FIBER ROLLS ARE NOT TO BE INSTALLED SO THAT RUNOFF WILL FLOW ALONG THE FIBER ROLL IN A CONCENTRATED MANNER.
- FIBER ROLLS SHALL NOT BE USED IN OR ACROSS A FLOWING NATURAL CHANNEL
- SEDIMENT SHALL BE REMOVED WHEN ACCUMULATION REACHES ONE-HALF OF THE MEASURE HEIGHT. SEDIMENT SHALL BE DISPOSED OF AS UNSUITABLE MATERIAL.
- AS PART OF FINAL STABILIZATION, WOODEN STAKES TO BE REMOVED AND FIBER LOG NETTING CUT OPEN ALONG ENTIRE LENGTH.



NOT TO SCALE





GEOTEXTILE SHALL BE INSPECTED DAILY TO ENSURE THAT IT REMAINS WATERPROOF.

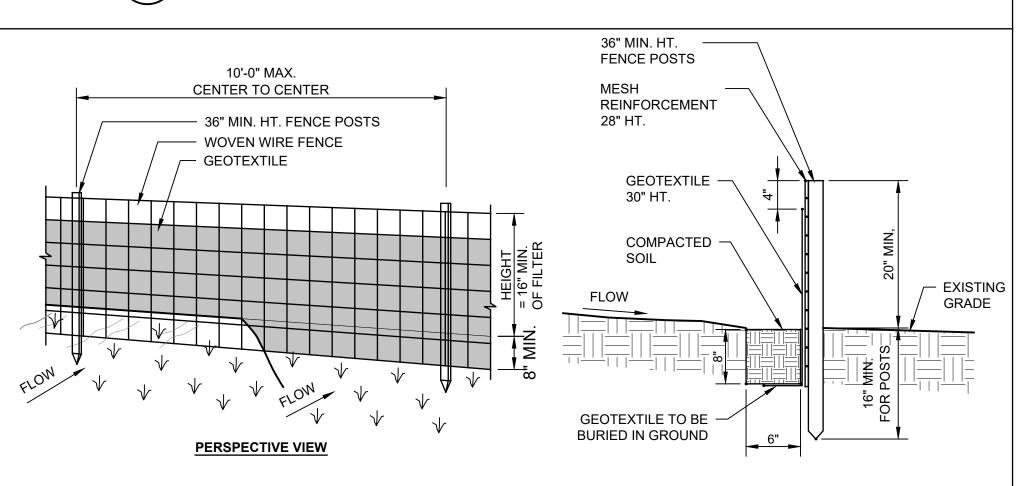
CONCRETE WASHOUT AREA

NOT TO SCALE

- 2. GEOTEXTILE SHALL BE SECURED TO GROUND WITH METAL STAKES OUTSIDE OF HAY BALE.
- 3. CONCRETE WASHOUT AREA(S) SHALL BE INSTALLED PRIOR TO CONCRETE PLACEMENT ON SITE. THE CONCRETE WASHOUT AREA SHALL BE ENTIRELY SELF-CONTAINED.

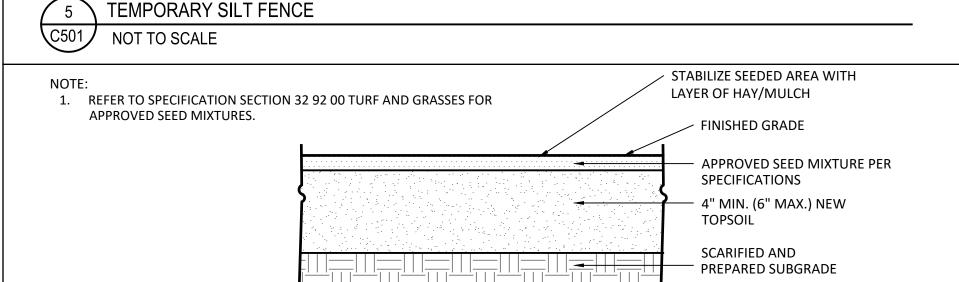
SIZE: THE WASHOUT MUST HAVE SUFFICIENT VOLUME TO CONTAIN ALL LIQUID AND CONCRETE WASTE GENERATED BY WASHOUT OPERATIONS INCLUDING, BUT NOT LIMITED TO, OPERATIONS ASSOCIATED WITH GROUT AND MORTAR.

- 4. SIGNS SHOULD BE PLACED AT THE CONSTRUCTION ENTRANCE, AT THE CONCRETE AREA(S) AND ELSEWHERE AS NECESSARY TO CLEARLY INDICATE THE LOCATION OF THE CONCRETE WASHOUT TO OPERATORS OF THE CONCRETE TRUCKS AND PUMP RIGS. WASHOUT AREA(S) SHOULD BE FLAGGED WITH SAFETY FENCING OR OTHER APPROVED METHOD.
- 5. WASHOUT AREA(S) ARE TO BE INSPECTED AT LEAST ONCE A WEEK FOR STRUCTURAL INTEGRITY, ADEQUATE HOLDING CAPACITY AND CHECK FOR LEAKS, TEARS, OR OVERFLOWS. (AS REQUIRED BY THE CONSTRUCTION SITE ENVIRONMENTAL INSPECTION REPORT) WASHOUT AREA(S) SHOULD BE CHECKED AFTER HEAVY RAINS.
- 6. HARDENED CONCRETE WASTE SHOULD BE REMOVED AND DISPOSED OF WHEN THE WASTE HAS ACCUMULATED TO HALF OF THE CONCRETE WASHOUT'S HEIGHT. THE WASTE CAN BE STORED AT AN UPLAND LOCATION, AS APPROVED BY THE ENGINEER. ALL CONCRETE WASTE SHALL DE DISPOSED OF IN A MANNER CONSISTENT WITH ALL APPLICABLE LAWS, REGULATIONS, AND GUIDELINES.

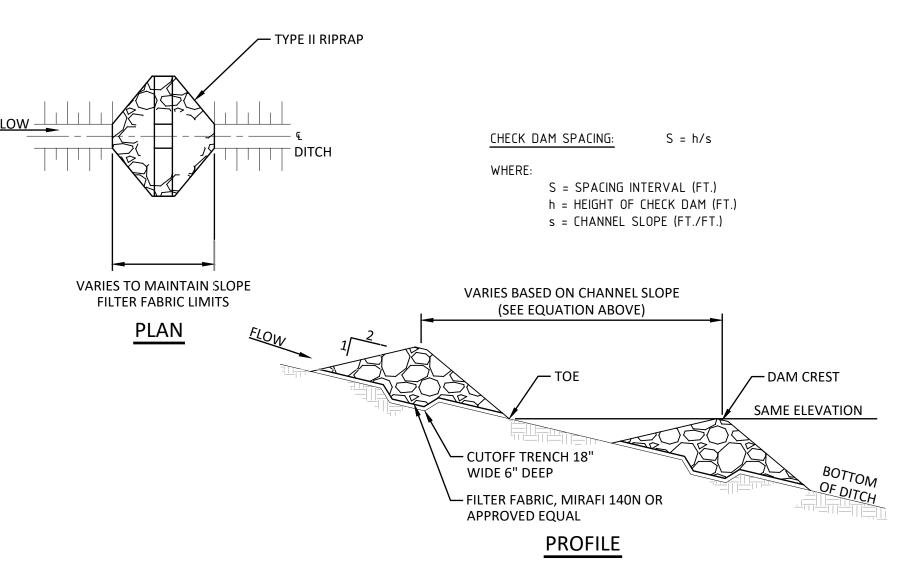


CONSTRUCTION NOTES FOR FABRICATED SILT FENCE:

- 1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
- 2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
- 4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL/DEBRIS REMOVED WHEN 'BULGES' DEVELOP IN THE SILT FENCE
- 5. POSTS: STEEL EITHER "T" OR "U" TYPE OR 2" HARDWOOD. DRIVEN MIN. 16" INTO GROUND.
- 6. FENCE: WOVEN WIRE 14½ GA. 6" MAX. MESH OPENING.
- 7. SILT FENCE FILTER FABRIC: FILTER X, MIRAFI 100X, STABLINKA T140N OR APPROVED EQUAL
- 8. PREFABRICATED UNIT: GEOFAB, ENVIROFENCE, OR APPROVED EQUAL.







NOT TO SCALE

TEMPORARY SOIL STOCKPILE NOTES:

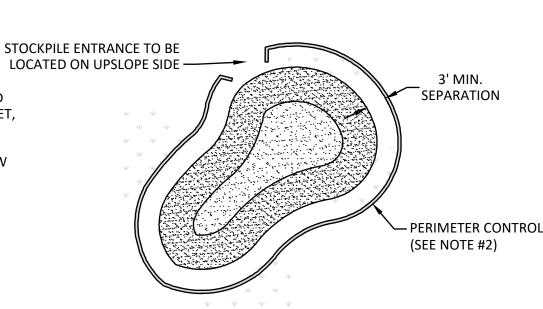
1. STOCKPILING AREAS SHALL BE DRY, STABLE, AND AT LEAST 50 FEET FROM ANY STORM DRAIN INLET, OPEN CHANNEL, WETLAND, WATERBODY, OR OTHER PROTECTED AREA. DO NOT LOCATE STOCKPILES WITHIN OVERLAND DRAINAGE FLOW PATHS, DESIGNATED FLOODWAYS, OR WITHIN THE DRIP LINE OR OVER THE ROOT CROWN OF ADJACENT TREES.

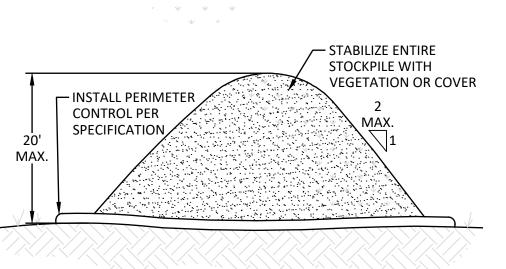
STONE CHECK DAMS

2. THE MAXIMUM SLOPE OF STOCKPILES SHALL BE BASED ON THE ANGLE OF REPOSE OF THE STOCKPILED MATERIAL BUT SHALL NEVER BE GREATER THAN 2:1.

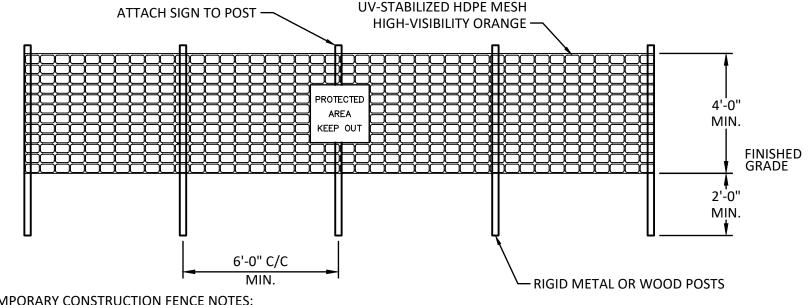
3. UPON COMPLETION OF SOIL STOCKPILING EACH PILE SHALL BE SURROUNDED WITH A PERIMETER SEDIMENT CONTROL BARRIER SUCH AS STACKED COMPOST FILTER SOCKS, HAY BALES, OR SILT FENCING.SEE COMPOST FILTER SOCK DETAIL FOR INSTALLATION OF SOCKS. FOR SILT FENCE OR HAY BALES, REFER TO BLUE BOOK FOR INSTALLATION REQUIREMENTS.

IF STOCKPILE IS TO REMAIN INACTIVE FOR MORE THAN 14 CALENDAR DAYS, THE STOCKPILE MUST BE VEGETATED. FOLLOW TEMPORARY **VEGETATION SPECIFICATIONS. THE VEGETATION** CHOSEN SHALL LAST THE DURATION OF THE STOCKPILE. RESTABILIZE IF THE TEMPORARY VEGETATION DIES OR EROSION RESULTS.





TEMPORARY SOIL STOCKPILING C501 NOT TO SCALE



TEMPORARY CONSTRUCTION FENCE NOTES:

NOT TO SCALE

- TEMPORARY CONSTRUCTION FENCE IS INTENDED TO PROTECT SENSITIVE SITE FEATURES. INSTALL FENCE AT THE LOCATIONS SHOWN ON PLANS OR WHERE DIRECTED BY THE OWNER'S REPRESENTATIVE PRIOR TO COMMENCEMENT OF CONSTRUCTION. SPACE WARNING SIGNS FOR SITE FEATURES TO BE PROTECTED AT A MINIMUM OF ONE EVERY 300 FEET. THE SIZE OF EACH SIGN
- MUST BE A MINIMUM OF 1.5' x 2' WITH 4" BLACK LETTERS ON A WHITE BACKGROUND. THE SIGN MUST CONTAIN THE FOLLOWING LANGUAGE:

"PROTECTED AREA - KEEP OUT"

- THERE SHALL BE NO STORAGE OF MATERIAL WITHIN THE BOUNDARIES OF THE PROTECTED AREA FENCING.
- TEMPORARY PROTECTION AREA FENCING SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT. ALL MATERIALS REQUIRED TO FURNISH AND INSTALL THE FENCING AND WARNING SIGNS AS DETAILED ON THE PLANS AND AT THE DIRECTION OF THE OWNER'S REPRESENTATIVE.

ORANGE CONSTRUCTION FENCE (PROTECTION BARRIER)

EDUCATION LAW, ARTICLE 145 §7209 SPECIAL PROVISIONS, FOR ANY PERSON UNLESS THEY ARE ACTING UNDER TH DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAP ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING IS ALTERED, THE ALTERING PROFESSIONAL SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION

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REVISIONS

PB SUBMISSION

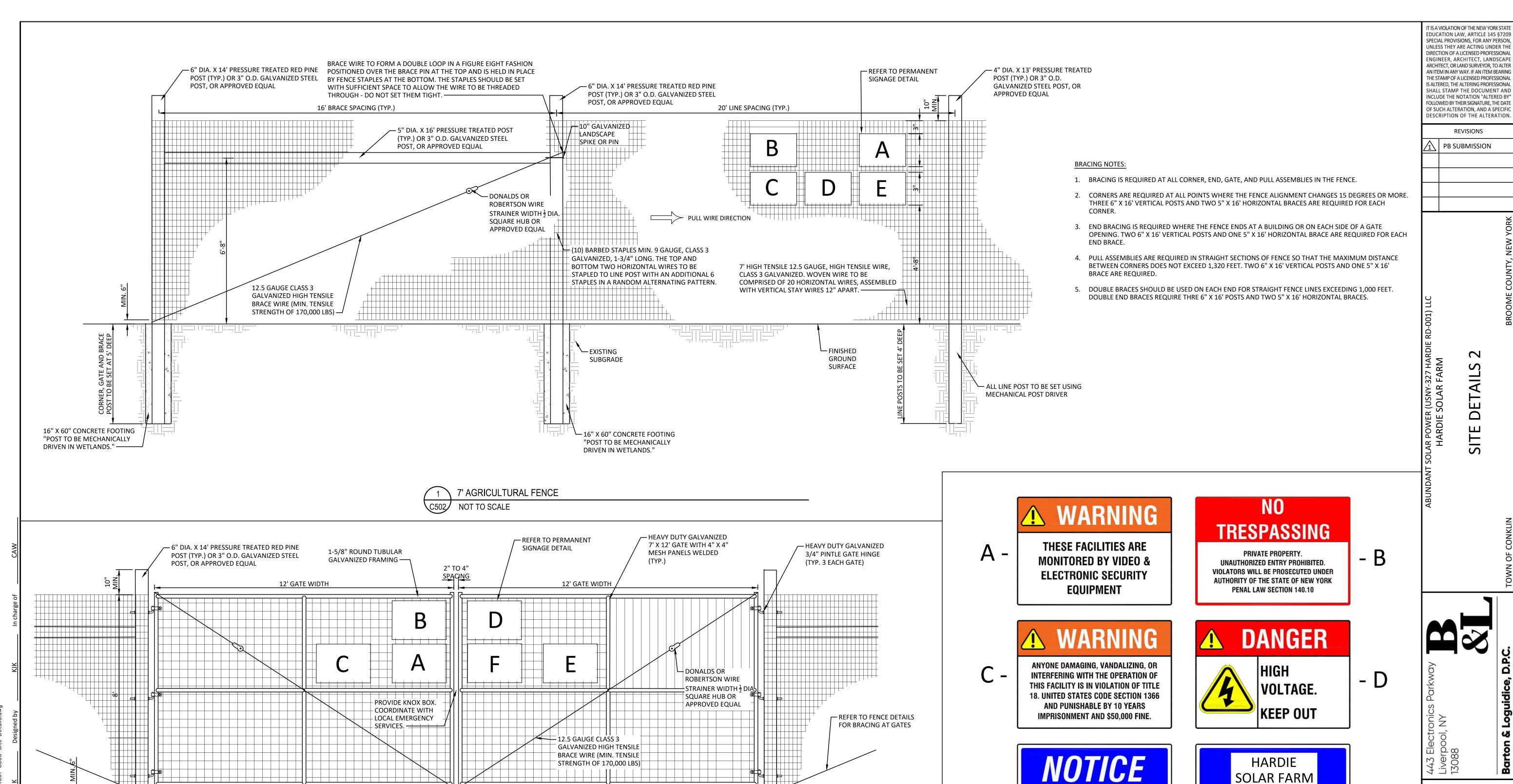
SEPTEMBER 2024

AS SHOWN

Sheet Number C501

2271.005.001

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16" X 60" CONCRETE FOOTING

"POST TO BE MECHANICALLY

DRIVEN IN WETLANDS."

STRENGTH OF 170,000 LBS)

- GATE POST (TYP.)

LATCH IN OPEN POSITION

LOCKING TANG

LATCH IN CLOSED

POSITION

MAINTAIN 4" SPACING

UNDER GATES

7' TALL 24' WIDE DOUBLE SWING GATE

NOT TO SCALE

- 16" X 60" CONCRETE FOOTING

"POST TO BE MECHANICALLY

DRIVEN IN WETLANDS."

SEPTEMBER 2024

AS SHOWN

C502

2271.005.001

Project Number

REVIEW ONLY NOT FOR CONSTRUCTION

SOLAR FARM

ABUNDANT SOLAR POWER, INC.

24HR EMERGENCY CONTACT

XXX (XXX) XXX-XXXX

700 METRO PARK

ROCHESTER, NY 14623

IN CASE OF

EMERGENCY

CALL

NOTES:

PERMANENT SIGNAGE

NOT TO SCALE

- -

4. SIGNS SHALL BE INSTALLED IN GROUPS EVERY 300'.

2. SIGNS SHALL BE UV RESISTANT AND IN COLOR. SIGN MATERIAL SHALL BE HDPE OR LIGHT GAUGE

3. SIGNS TO BE ATTACHED TO FENCING WITH PERMANENT FASTENERS.

5. FINAL SIGN GRAPHICS SHALL BE REVIEWED AND APPROVED BY THE OWNER.

AL SIGNS TO BE 18" X 24" IN SIZE.

- 1. USE OF THIS DETAIL/CRITERION IS LIMITED TO ACCESS ROADS USED ON AN OCCASIONAL BASIS ONLY (I.E., PROVIDE ACCESS FOR MOWING, EQUIPMENT
- REPAIR OR MAINTENANCE, ETC.). 2. LIMITED USE PERVIOUS ACCESS ROAD IS LIMITED TO LOW IMPACT IRREGULAR MAINTENANCE ACCESS ASSOCIATED WITH RENEWABLE ENERGY PROJECTS
- 3. REMOVE STUMPS, ROCKS AND DEBRIS AS NECESSARY. FILL VOIDS TO MATCH EXISTING NATIVE SOILS AND COMPACTION LEVEL. 4. REMOVED TOPSOIL MAY BE SPREAD IN ADJACENT AREAS AS DIRECTED BY THE PROJECT ENGINEER. COMPACT TO THE DEGREE OF THE NATIVE INSITU SOIL. DO NOT PLACE IN AN AREA THAT IMPEDES STORMWATER DRAINAGE
- GRADE ROADWAY, WHERE NECESSARY, TO NATIVE SOIL AND DESIRED ELEVATION. MINOR GRADING FOR CROSS SLOPE CUT AND FILL MAY BE REQUIRED.
- REMOVE REFUSE SOILS AS DIRECTED BY THE PROJECT ENGINEER. DO NOT PLACE IN AN AREA THAT IMPEDES STORMWATER DRAINAGE.
- 7. ROADWAY WIDTH PER THE SITE PLANS (SEE SHEETS C101 AND C102)
- 8. THE LIMITED USE PERVIOUS ACCESS ROAD CROSS SLOPE SHALL BE 2% IN MOST CASES AND SHALL NOT EXCEED 6%. THE LONGITUDINAL SLOPE OF THE ACCESS DRIVE SHOULD NOT EXCEED 15%.
- 9. LIMITED US PERVIOUS ACCESS ROAD IS NOT INTENDED TO BE UTILIZED FOR CONSTRUCTION WHICH MAY SUBJECT THE ACCESS TO SEDIMENT TRACKING. THIS SPECIFICATION IS TO BE DEVELOPED FOR POST-CONSTRUCTION USE. SOIL RESTORATION PRACTICES MAY BE APPLICABLE TO RESTORE CONSTRUCTION RELATED COMPACTION TO PRE-EXISTING CONDITIONS AND SHOULD BE VERIFIED BY SOIL PENETROMETER READINGS. THE PENETROMETER READINGS SHALL BE COMPARED TO THE RESPECTIVE RECORDED READINGS TAKEN PRIOR TO CONSTRUCTION, EVERY 100 LINEAR FEET ALONG THE PROPOSED ROADWAY.
- 10. TO ENSURE THAT SOIL IS NOT TRACKED ONTO THE LIMITED USE PERVIOUS ACCESS ROAD, IT SHALL NOT BE USED BY CONSTRUCTION VEHICLES TRANSPORTING SOIL, FILL MATERIAL, ETC. IF THE LIMITED US PERVIOUS ACCESS IS COMPLETED DURING THE INITIAL PHASES OF CONSTRUCTION, A STANDARD NEW YORK STATE STABILIZED CONSTRUCTION ACCESS SHALL BE CONSTRUCTED AND UTILIZED TO REMOVE SEDIMENT FROM CONSTRUCTION VEHICLES AND EQUIPMENT PRIOR TO ENTERING THE LIMITED USE PERVIOUS ACCESS ROAD FROM ANY LOCATION ON, OR OFF SITE. MAINTENANCE OF
- THE PERVIOUS ACCESS ROAD WILL BE REQUIRED IF SEDIMENT IS OBSERVED WITHIN THE CLEAN STONE. 11. THE LIMITED USE PERVIOUS ACCESS ROAD SHALL NOT BE CONSTRUCTED OR USED UNTIL ALL AREAS SUBJECT TO RUNOFF ONTO THE PERVIOUS ACCESS HAVE ACHIEVED FINAL STABILIZATION.
- 12. PROJECT SHOULD AVOID INSTALLATION OF THE LIMITED USE PERVIOUS ACCESS ROAD IN POORLY DRAINED AREAS, HOWEVER IF NO ALTERNATIVE LOCATION IS AVAILABLE, THE PROJECT SHALL UTILIZE WOVEN GEOTEXTILE MATERIAL AS DETAILED IN THE FOLLOWING NOTES.
- 13. THE DRAINAGE DITCH IS OFFERED IN THE DETAIL FOR CIRCUMSTANCES WHEN CONCENTRATED FLOW COULD NOT BE AVOIDED. THE INTENTION OF THIS DESIGN IS TO MINIMIZE ALTERATIONS TO HYDROLOGY, HOWEVER WHEN DEALING WITH 5%-15% GRADES NOT PARALLEL TO THE CONTOUR, A ROADSIDE DITCH MAY BE REQUIRED. THE NYS STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROLS FOR GRASSED WATERWAYS AND VEGETATED WATERWAYS ARE APPLICABLE FOR SIZING AND STABILIZATION. DIMENSIONS FOR THE GRASSED WATERWAY SPECIFICATION WOULD BE DESIGNED FOR PROJECT SPECIFIC HYDROLOGIC RUNOFF CALCULATIONS, AND A SEPARATE DETAIL FOR THE SPECIFIC GRASSED WATERWAY WOULD BE INCLUDED IN THIS PRACTICE. RUNOFF DISCHARGES WILL BE SUBJECT TO THE OUTLET REQUIREMENTS OF THE REFERENCED STANDARDS. INCREASED POST-DEVELOPMENT RUNOFF FROM THE ASSOCIATED ROADSIDE DITCH MAY REQUIRE ADDITIONAL PRACTICES TO ATTENUATE RUNOFF TO PRE-DEVELOPMENT CONDITIONS.
- 14. IF A ROADSIDE DITCH IS NOT UTILIZED TO CAPTURE RUNOFF FROM THE ACCESS ROAD, THE PERVIOUS ACCESS ROAD WILL HAVE A WELL-ESTABLISHED PERENNIAL VEGETATIVE COVER, WHICH SHALL CONSIST OF UNIFORM VEGETATION (I.E., BUFFER), 20 FEET WIDE AND PARALLEL TO THE DOWN GRADIENT SIDE OF THE ACCESS ROAD. POST-CONSTRUCTION OPERATION AND MAINTENANCE PRACTICES WILL MAINTAIN THE VEGETATIVE COVER TO ENSURE FINAL STABILIZATION FOR THE LIFE OF THE ACCESS ROAD.
- 15. THE DESIGN PROFESSIONAL MUST ACCOUNT FOR THE LIMITED USE PERVIOUS ACCESS ROAD IN THEIR ASSESSMENT/HYDROLOGY ANALYSIS. IF THE HYDROLOGY ANALYSIS SHOWS THAT THE HYDROLOGY HAS BEEN ALTERED FROM PRE- TO POST-DEVELOPMENT CONDITIONS, THE DESIGN MUST INCLUDE THE NECESSARY DETENTION/RETENTION PRACTICES TO ATTENUATE THE RATES TO PRE-DEVELOPMENT CONDITIONS.

GEOGRID MATERIAL NOTES:

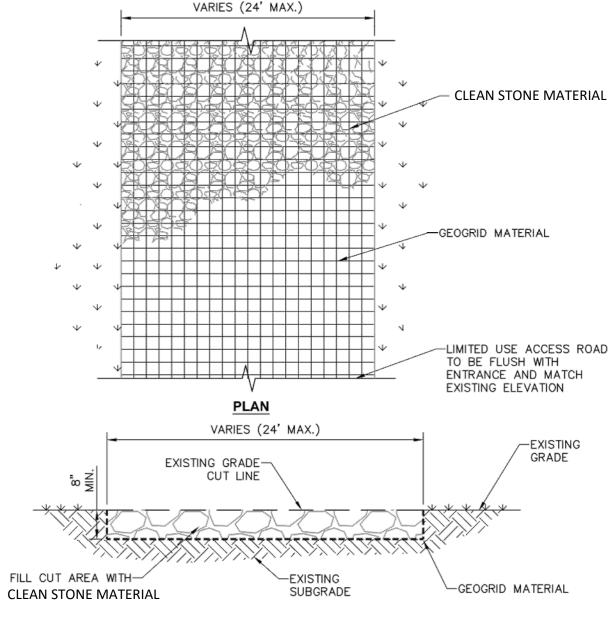
- 1. THE GEOGRID, OR COMPARABLE PRODUCT, IS INTENDED FOR USE FOR ALL CONDITIONS, IN ORDER TO ASSIST IN MATERIAL SEPARATION FROM NATIVE
- 2. CLEAN STONE MATERIAL SHALL CONSIST OF 1-4" CLEAN, DURABLE, SHARP-ANGLED CRUSHED STONE OF UNIFORM QUALITY, MEETING THE SPECIFICATIONS OF NYSDOT ITEM 703-02, SIZE DESIGNATION 3-5 OF TABLE 703-4. STONE MAY BE PLACED IN FRONT OF, AND SPREAD WITH, A TRACKED VEHICLE. CLEAN STONE SHALL NOT BE COMPACTED.
- GEOGRID SHALL BE MIRAFI BXG110 OR APPROVED EQUAL. GEOGRID SHALL BE DESIGNED BASED ON EXISTING SOIL CONDITIONS AND PROPOSED ROAD
- 4. IF MORE THAN ONE ROLL WIDTH IS REQUIRED, ROLLS SHOULD OVERLAP A MINIMUM OF SIX INCHES.
- 5. REFER TO, MANUFACTURER'S SPECIFICATION FOR PROPER TYING AND CONNECTIONS.
- 6. LIMITED US PERVIOUS ACCESS ROAD SHALL BE TOP DRESSED AS REQUIRED WITH ONLY 1-4" CRUSHED STONE MEETING NYSDOT ITEM 703-2 SPECIFICATIONS.

GEOWEB MATERIAL NOTES:

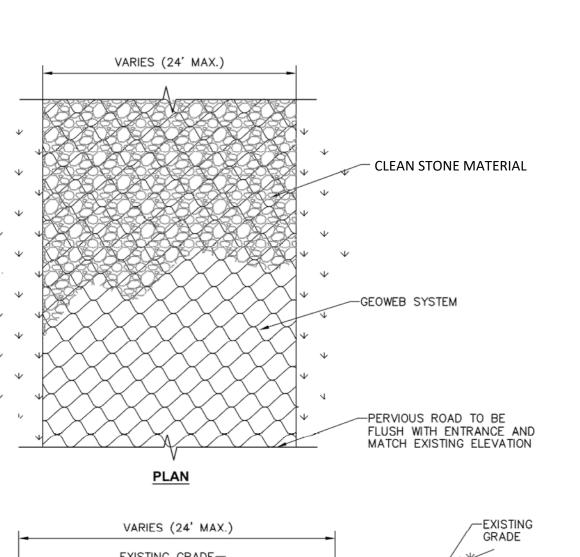
- 1. THE GEOWEB, OR COMPARABLE PRODUCT, IS SUGGESTED FOR USE ON ROAD PROFILES EXCEDING 10%. THE GEOWEB
- PRODUCT IS INTENDED TO LIMIT SHIFTING STONE MATERIAL DURING USE. 2. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
- WHERE REQUIRED, A NATIVE SOIL WEDGE SHALL BE PLACED TO ACCOMMODATE ROAD CROSS SLOPE OF 2%. NATIVE SOIL
- SHALL BE COMPACTED TO MATCH EXISTING SOIL CONDITIONS. 4. CLEAN STONE FILL MATERIAL SHALL CONSIST OF 1-4" CLEAN, DURABLE SHARP-ANGLED CRUSHED STONE OF UNIFORM QUALITY, MEETING THE SPECIFICATIONS OF NYSDOT ITEM 703-02, SIZE DESIGNATION 3-5 OF TABLE 703-4. STONE MAY BE PLACED IN FRONT OF, AND SPREAD WITH, A TRACKED VEHICLE. GRAVEL SHALL NOT BE COMPACTED.
- GEOWEB SYSTEM SHALL BE PRESTO GEOSYSTEM GEOWEB OR APPROVED EQUAL. GEOWEB SHALL BE DESIGNED BASED ON
- EXISTING SOIL CONDITIONS AND PROPOSED ROAD SLOPES.
- LIMITED USE PERVIOUS ACCESS ROAD SHALL BE TOP DRESSED AS REQUIRED WITH ONLY 1-4" CRUSHED STONE, SIZE 3A, MEETING NYSDOT ITEM 703-02 SPECIFICATIONS.
- THE TOP EDGES OF ADJACENT CELL WALLS SHALL BE FLUSH WHEN CONNECTING. ALIGN THE I-SLOTS FOR INTERLEAF AND END TOT END CONNECTIONS. THE GEOWEB PANELS SHALL BE CONNECTED WITH ATRA KEYS AT EACH INTERLEAF AND END TO END CONNECTIONS. REFER TO MANUFACTURER'S SPECIFICATIONS FOR PROPER INSTALLATION, TYING AND

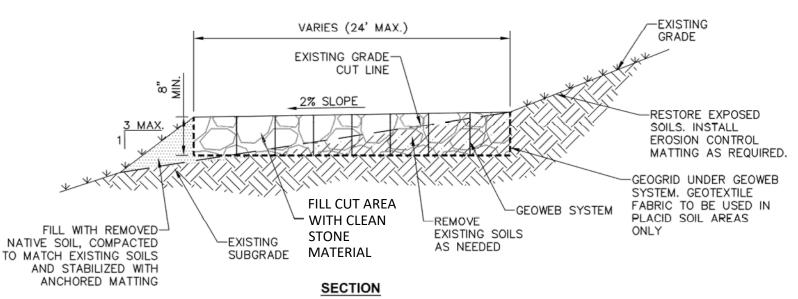
WOVEN GEOTEXTILE MATERIAL NOTES

- SPECIFIED GEOTEXTILE WILL ONLY BE UTILIZED IN PLACID SOILS. PLACID SOILS CONSIST OF POORLY DRAINED SOILS COMPOSED OF FINELY TEXTURED PARTICLES AND ARE PRONE TO RUTTING. PLACID SOILS ARE TYPICALLY PRESENT IN LOW-LYING AREAS WITH HYDROLOGIC SOILS GROUP (HSG) OD C OR D, OR AS SPECIFIED FROM AN ENVIRONMENTAL SCIENTIST, SOIL SCIENTIST, OR GEOTECHNICAL DATA.
- THE CONCERN FOR POTENTIAL REDUCTION OF NATIVE INFILTRATION RATES DUE TO THE GEOTEXTILE MATERIAL WOULD NOT BE A SIGNIFICANT CONCERN ON POORLY DRAINED SOILS WHERE SEGREGATION OF PERVIOUS STONE AND NATIVE MATERIALS IS CRUCIAL FOR LOG TERM OPERATION AND MAINTENANCE.



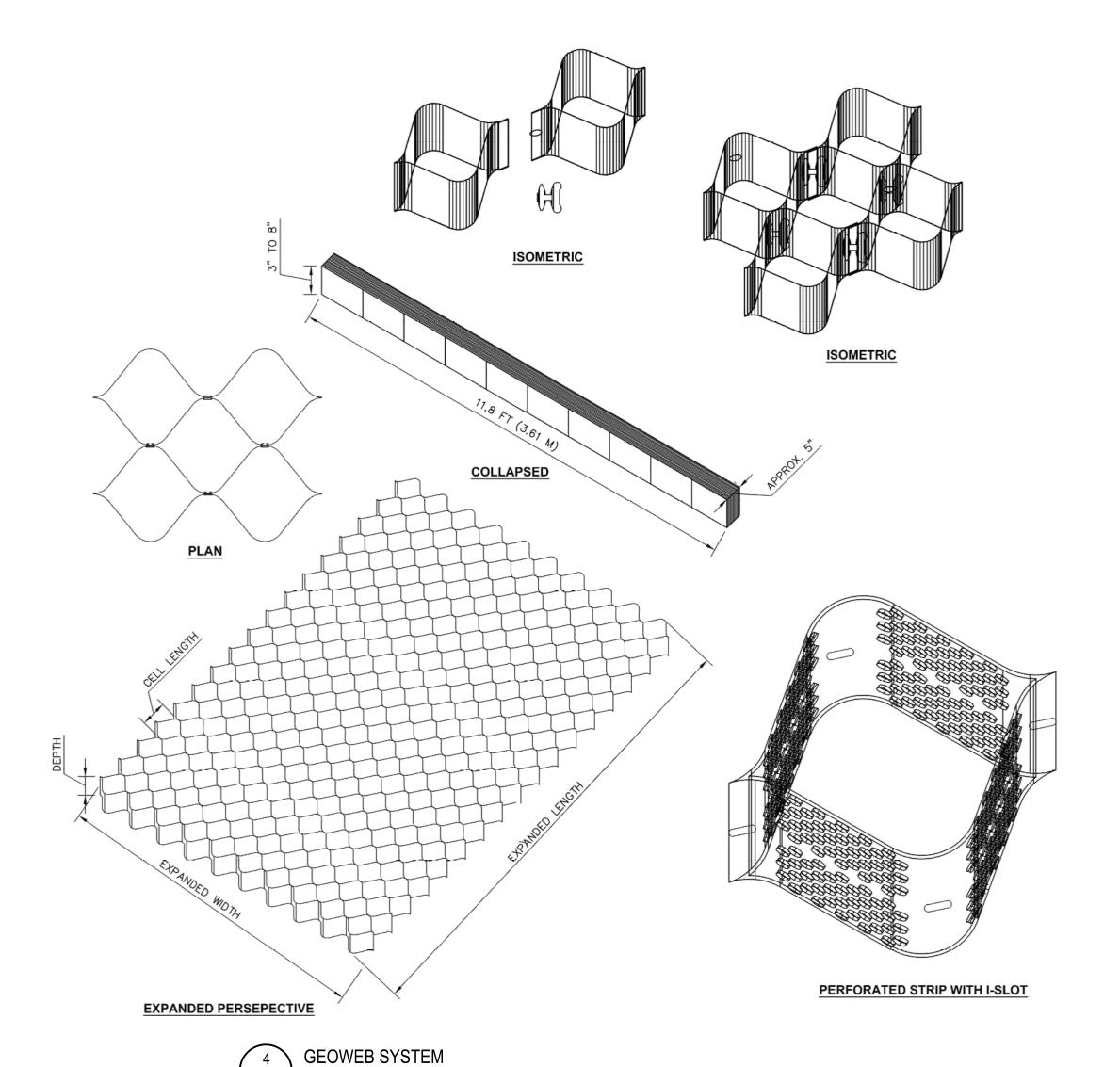
LIMITED USE PERVIOUS ACCESS ROAD - 0% TO 10% SLOPES NOT TO SCALE





LIMITED USE PERVIOUS ACCESS ROAD - 10% AND GREATER SLOPES





NOT TO SCALE

EXISTING GRADE-

VARIES (24' MAX.)

FILL CUT AREA WITH

2% SLOPE

SOILS AS NEEDED

GEOWEB-

1. THE ROADSIDE DITCH SHALL BE DESIGNED IN ACCORDANCE WITH THE NYS STANDARDS AND SPECIFICATIONS FOR

LIMITED USE PERVIOUS ACCESS ROAD - 10% AND GREATER SLOPES WITH DITCH

EROSION AND SEDIMENT CONTROLS FOR GRASSED AND VEGETATED WATERWAYS. SEE GRADING PLAN (SHEET C102)

SYSTEM

CLEAN STONE MATERIAL

—EXISTING

SUBGRADE

FILL WITH REMOVED-

AND STABILIZED WITH

ANCHORED MATTING

FOR DETAILS.

NATIVE SOIL, COMPACTED

TO MATCH EXISTING SOILS

CUT LINE

-GEOGRID UNDER

GEOWEB SYSTEM.

BE USED IN PLACID SOIL AREAS ONLY

GEOTEXTILE FABRIC TO

EXISTING-

GRADE

ANCHORED STABILIZATION

MATERIAL IN DRAINAGE

CHANNEL

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UNLESS THEY ARE ACTING UNDER TH DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING PROFESSIONAL SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION -RESTORE EXPOSED SOILS. INSTALL EROSION CONTROL MATTING AS REQUIRED. -INSTALL CHECK DAMS OR

/1 | PB SUBMISSION

REVISIONS

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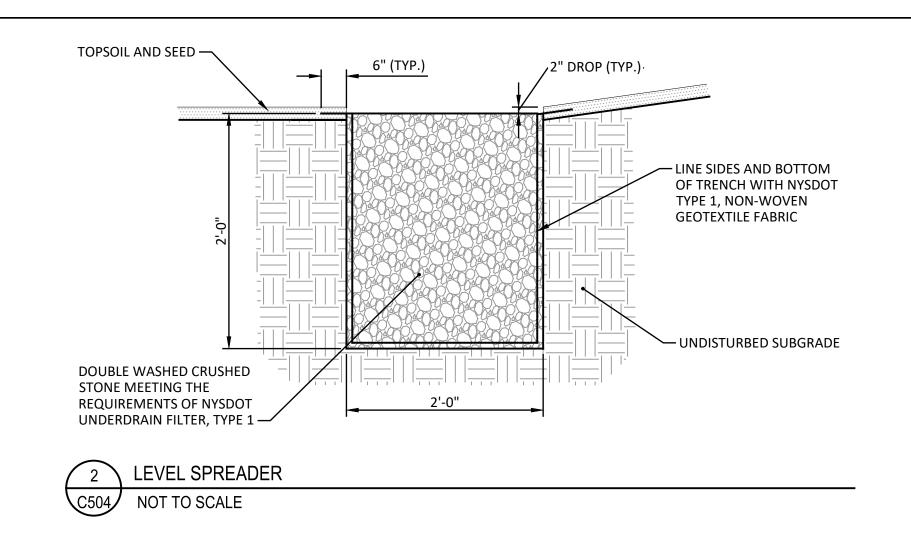
EDUCATION LAW, ARTICLE 145 §7209 SPECIAL PROVISIONS, FOR ANY PERSON,

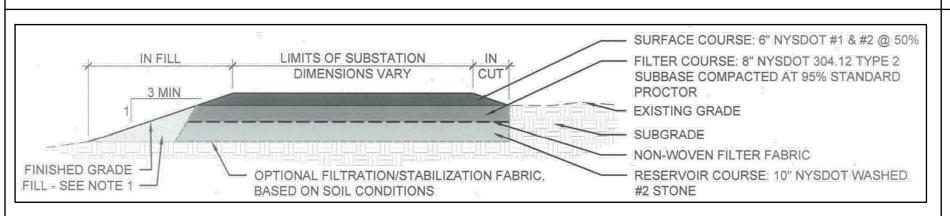
SEPTEMBER 2024

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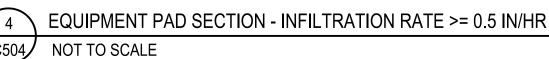
Sheet Number C503

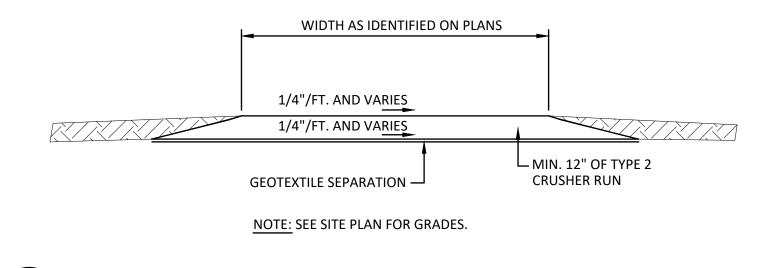
Project Number 2271.005.001



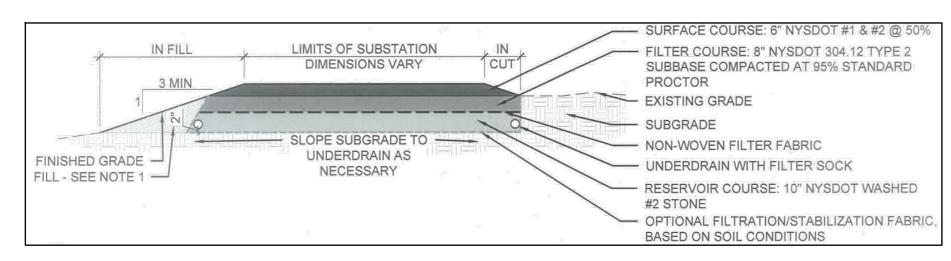


- 1. ALL FILL USED FOR SIDE SLOPES SHALL BE ONSITE MATERIAL FROM AREA CUT TO CREATE THE EQUIPMENT PAD OR SHALL BE OFFSITE FILL COMPACTED TO HAVE AN INFILTRATION RATE LESS THAN THE EQUIPMENT PAD SUBGRADE.
- 2. INFILTRATION TESTING SHALL BE COMPLETED AS REQUIRED BY APPENDIX D OF THE MOST CURRENT NYS STORMWATER MANAGEMENT DESIGN MANUAL, OR AS APPROVED BY THE NYS DEC REGIONAL OFFICE.
- 3. THIS SECTION SHALL BE APPLICABLE TO MEET THE STORMWATER MANAGEMENT REQUIREMENTS OF NEW DEVELOPMENT PER THE MOST CURRENT NYS STORMWATER MANAGEMENT DESIGN MANUAL, FOR SITES WITH INFILTRATION RATES OF GREATER THAN OR EQUAL TO 0.5 INCHES PER HOUR.

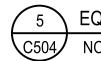




GRAVEL DRIVE RESTORATION



- 1. ALL FILL USED FOR SIDE SLOPES SHALL BE ONSITE MATERIAL FROM AREA CUT TO CREATE THE EQUIPMENT PAD OR
- SHALL BE OFFSITE FILL COMPACTED TO HAVE AN INFILTRATION RATE LESS THAN THE EQUIPMENT PAD SUBGRADE.
- 2. UNDERDRAIN SIZE AND LAYOUT WILL VARY DEPENDING ON THE SIZE OF THE EQUIPMENT PAD.
- 3. UNDERDRAIN WILL DAYLIGHT AND DISCHARGE TO A LEVEL SPREADER THEN A VEGETATED FILTER STRIP OR RIPARIAN FOREST BUFFER TO MEET RUNOFF REDUCTION VOLUME REQUIREMENTS.
- 4. LEVEL SPREADER SHALL BE DESIGNED PER THE MOST CURRENT NYS STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL TO CREATE SHEET FLOW PRIOR TO DISCHARGE TO THE VEGETATED FILTER STRIP OR RIPARIN FOREST BUFFER.
- 5. THIS SECTION SHALL BE APPLICABLE TO MEET THE STORMWATER MANAGEMENT REQUIREMENTS OF NEW DEVELOPMENT PER THE MOST CURRENT NYS STORMWATER MANAGEMENT DESIGN MANUAL, FOR SITES WITH INFILTRATION RATES OF GREATER THAN OR EQUAL TO 0.5 INCHES PER HOUR.



EQUIPMENT PAD SECTION - INFILTRATION RATE < 0.5 IN/HR

ETAIL

IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW, ARTICLE 145 §7209

SPECIAL PROVISIONS, FOR ANY PERSON,

UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL

ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER

AN ITEM IN ANY WAY. IF AN ITEM BEARING

THE STAMP OF A LICENSED PROFESSIONAL

IS ALTERED, THE ALTERING PROFESSIONAL

INCLUDE THE NOTATION "ALTERED BY"

FOLLOWED BY THEIR SIGNATURE, THE DATE

OF SUCH ALTERATION, AND A SPECIFIC

DESCRIPTION OF THE ALTERATION

REVISIONS

1 PB SUBMISSION

SHALL STAMP THE DOCUMENT AND

SEPTEMBER 2024

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