

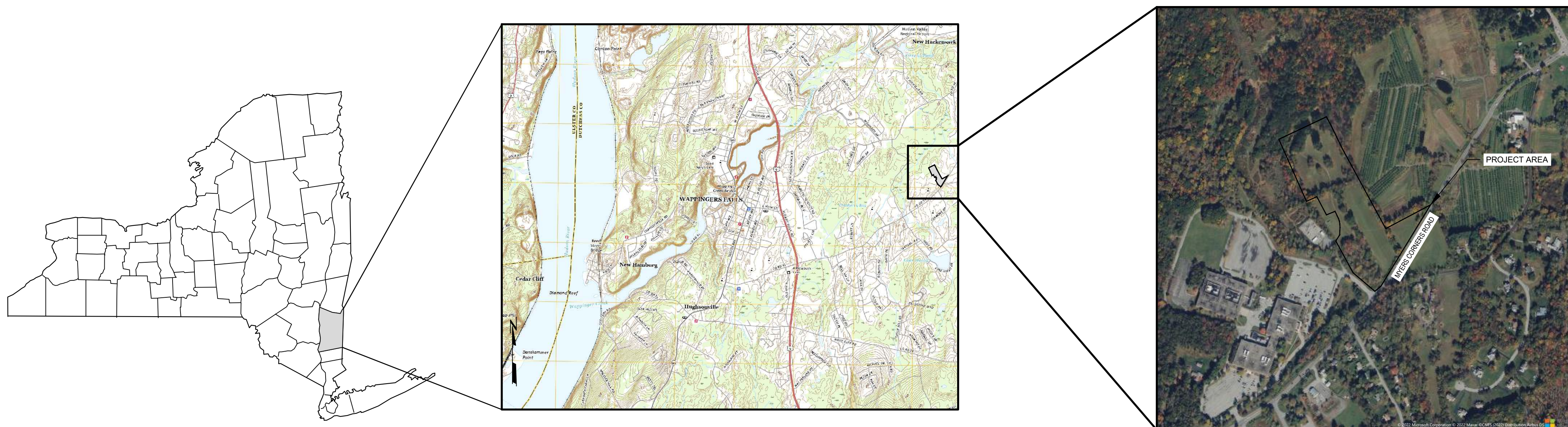
ISSUED FOR PERMITTING - CIVIL & STORMWATER DESIGN PLANS

OLD MYERS SOLAR PROJECT

MYERS CORNERS ROAD, WAPPINGER, DUTCHESS COUNTY, NEW YORK
DUTCHESS COUNTY TAX PARCEL 135689-6258-03-376432-0000

PREPARED FOR: NY SOLAR 1001 LLC
LIGHTSTAR RENEWABLES, LLC
501 BOYLSTON STREET
BOSTON, MA 02116

PREPARED BY: TRC
AUGUSTA, ME
DATE: MARCH 2023



NEW YORK

WAPPINGER

SITE LOCATOR

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NOTE: THESE PLANS ARE ACCOMPANIED BY PERMIT APPLICATIONS OF THE SAME TITLE. THESE DOCUMENTS ARE INTERRELATED AND ARE INTENDED TO BE USED TOGETHER. THESE DOCUMENTS ARE INTENDED TO BE USED FOR PERMITTING PURPOSES ONLY.

NOT FOR CONSTRUCTION



UNDER NEW YORK STATE EDUCATION LAW ARTICLE 145 (ENGINEERING), SECTION 7209 (2), IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.



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PERMITTING

1. PROPERTY BOUNDARY AND TOPOGRAPHIC INFORMATION, AND EXISTING CONDITIONS SHOWN ON THESE PLANS ARE BASED UPON ON-THE-GROUND SURVEY COMPLETED BY CORNER POST LAND SURVEYING, PLLC AS PROVIDED IN A PLAN ENTITLED "ALTANPS LAND TITLE SURVEY, PREPARED FOR LIGHTSTAR RENEWABLES LLC, SITUATE IN THE TOWN OF WAPPINGER, DUTCHESS COUNTY, NEW YORK" DATED AUGUST 12, 2022. PROVIDED BY AND USED WITH PERMISSION FROM LIGHTSTAR RENEWABLES, LLC. HORIZONTAL DATUM IS NAD83 NEW YORK STATE PLANE, EAST ZONE, FEET.

- SWPPP NOTE:
- THE EROSION AND SEDIMENTATION CONTROL MEASURES FOR THIS PROJECT SHALL BE IN SUBSTANTIAL COMPLIANCE WITH THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) PREPARED FOR THE PROJECT IN ACCORDANCE WITH NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION STATE DISCHARGE POLLUTANT ELIMINATION SYSTEM GENERAL PERMIT FOR STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITY (GP-0-20-001).

1. TREES, STUMPS, ROOT BALLS, AND OTHER VEGETATION MAY BE PROCESSED BY THE USE OF CHIPPING MACHINES OR STUMP GRINDER AND USED AS REQUIRED FOR EROSION CONTROL MIX. ALL OTHER CHIPS AND WOOD WASTE RESULTING FROM REMOVAL OPERATIONS SHALL BE DISPOSED OF OFF-SITE AT A FACILITY AND IN A MANNER APPROVED BY THE OWNER.

2. ALL DEMOLITION WASTE, DEBRIS AND RUBBISH SHALL BE PROPERLY REMOVED FROM THE SITE AS IT OCCURS. ALL MATERIALS SHALL BE PROPERLY DISPOSED OF OFF-SITE IN STRICT ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS. THE CONTRACTOR SHALL PAY PARTICULAR ATTENTION TO THE PROPER REMOVAL AND DISPOSAL OF HAZARDOUS SUBSTANCES.
3. TAKE NECESSARY PRECAUTIONS TO AVOID DAMAGE TO EXISTING IMPROVEMENTS AND FACILITIES TO REMAIN IN PLACE. CONTRACTOR IS RESPONSIBLE FOR REPAIR AND REPLACEMENT OF DAMAGED ITEMS AS A RESULT OF CONSTRUCTION OF THE PROPOSED IMPROVEMENTS.

WORK WILL BE CARRIED OUT NEAR AND UNDER ENERGIZED EQUIPMENT. EXTREME CAUTION IS REQUIRED AT ALL TIMES. THE CONTRACTOR SHALL STRICTLY FOLLOW OWNER'S SAFETY REQUIREMENTS. FAILURE TO DO SO WILL RESULT IN TERMINATION.

UNLESS INDICATED OTHERWISE REFER TO THE LATEST EDITION OF THE STATE OF NEW YORK, DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS FOR ROADS, BRIDGES AND INCIDENTAL CONSTRUCTION (NYSDOT SPEC) FOR GENERAL REQUIREMENTS, PRODUCTS AND EXECUTION RELATED TO CONSTRUCTION OF BUT NOT LIMITED TO: CLEARING, GRUBBING, ROADS, UTILITY TRENCH EXCAVATION, BORROW, SUBGRADE, SUBBASE, GRANULAR FILL, AND AGGREGATE BASE.

THE CONTRACTOR SHALL SUBMIT A CONSTRUCTION SEQUENCING OR CONSTRUCTION PHASING PLAN FOR OWNER APPROVAL THAT COMPLIES WITH THE PERMITTING REQUIREMENTS, THE PROJECT SWPPP, AND OTHER REQUIREMENTS AS IDENTIFIED BY LOCAL AND STATE AUTHORITIES. THE PLAN SHALL SHOW THAT ACTIVE LAND DISTURBANCE WILL BE LIMITED TO LESS THAN FIVE (5) CONTIGUOUS ACRES AND SHALL ADEQUATELY DISCUSS, BUT NOT BE LIMITED TO, THE FOLLOWING ITEMS:

1. THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS FOR TEMPORARY AND PERMANENT EROSION AND SEDIMENTATION CONTROL MEASURES AS OUTLINED IN THE PROJECT SWPPP OR AS DIRECTED BY THE OWNER.
2. PRIOR TO COMMENCING ONSITE EARTHWORK ACTIVITIES, THE CONTRACTOR SHALL ESTABLISH THE CONSTRUCTION WORKSPACE LIMITS AND IDENTIFY AND MARK SENSITIVE RESOURCES.
3. THE CONTRACTOR SHALL INSTALL ALL TEMPORARY EROSION AND SEDIMENTATION CONTROL BEST MANAGEMENT PRACTICES (BMPs) IN ORDER TO PROTECT DOWN GRADIENT AREAS. WHERE APPROPRIATE, DIVERSION BMPs SHALL BE IMPLEMENTED TO DIRECT RUNOFF FROM UPGRADE AREAS AROUND THE PROJECT SITE.
4. AFTER PERMANENT EROSION AND SEDIMENTATION CONTROL MEASURES WITHIN THE CURRENT PHASE OF WORK ARE INSTALLED AND FUNCTIONING, THE CONTRACTOR SHALL OBTAIN OWNER APPROVAL BEFORE BEGINNING EARTHWORK IN THE SUBSEQUENT PHASE.

THE CONTRACTOR SHALL REFER TO NEW YORK STATE DEPARTMENT OF AGRICULTURE AND MARKETS "GUIDELINES FOR SOLAR ENERGY PROJECTS - CONSTRUCTION MITIGATION FOR AGRICULTURAL LANDS," REVISED OCTOBER 18, 2019 FOR DECOMPACTION PRACTICE AND SOIL RESTORATION. THE PRACTICE SHALL INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING ITEMS:

1. BEFORE ANY TOPSOIL IS STRIPPED, REPRESENTATIVE SOIL SAMPLES SHOULD BE OBTAINED FROM THE AREAS TO BE DISTURBED AND SAMPLED SHOULD BE CONSISTENT WITH CORNELL UNIVERSITY'S SOIL TESTING GUIDELINES. THE RESULTS ARE TO ESTABLISH A BENCHMARK WITH THE SOIL'S NUTRIENT LEVELS TO BE USED TO MEASURE THE EFFECTS OF THE STRIPPING AND RESTORATION.
2. STRIPPED TOPSOIL SHOULD BE STOCKPILED FROM WORK AREAS AND KEPT SEPARATE FROM OTHER EXCAVATED MATERIAL. POSTPONE ANY RESTORATION PRACTICES UNTIL FAVORABLE (WORKABLE, RELATIVELY DRY) TOPSOIL/SUBSOIL CONDITIONS EXIST. RESTORATION MUST NOT BE INITIATED UNTIL THE TOPSOIL/ SUBSOIL ARE DRY ENOUGH TO BE MOVED AND STOCKPILED. TOPSOIL AND SUBSOIL MUST NOT BE DECOMPACTED UNTIL PLASTICITY, AS DETERMINED BY THE ATERBERG FIELD TEST, IS ADEQUATELY REDUCED. NO PERMANENT POST RESTORATION ACTIVITIES SHALL OCCUR IN AGRICULTURAL AREAS BETWEEN THE MONTHS OF OCTOBER THROUGH MAY UNLESS FAVORABLE SOIL MOISTURE CONDITIONS EXIST.
3. COMPACTION TESTS WILL BE MADE AT REGULAR INTERVALS OF DURATION THROUGHOUT THE ACCESS OR WORK AREAS, INCLUDING EACH SOIL TYPE IDENTIFIED IN THE AFFECTED AGRICULTURAL AREAS. WHEN THE MEASURED SOIL DENSITY OF THE AFFECTED AREA EXCEEDS THE REPRESENTATIVE SOIL DENSITY OF THE UNAFFECTED AREAS, ADDITIONAL DECOMPACTION MAY BE REQUIRED.
4. NO PROJECT RESTORATION ACTIVITIES SHALL OCCUR IN AGRICULTURAL AREAS BETWEEN THE MONTHS OF OCTOBER THROUGH MAY UNLESS FAVORABLE SOIL MOISTURE CONDITIONS EXIST. RESTORATION MUST NOT BE INITIATED UNTIL THE TOPSOIL/ SUBSOIL ARE DRY ENOUGH TO BE MOVED AND STOCKPILED. TOPSOIL AND SUBSOIL MUST NOT BE DECOMPACTED UNTIL PLASTICITY, AS DETERMINED BY THE ATERBERG FIELD TEST, IS ADEQUATELY REDUCED. NO PERMANENT POST RESTORATION ACTIVITIES SHALL OCCUR IN AGRICULTURAL AREAS BETWEEN THE MONTHS OF OCTOBER THROUGH MAY UNLESS FAVORABLE SOIL MOISTURE CONDITIONS EXIST, AS WELL AS RESTORE ANY ERODED AREAS IN THE SPRINGTIME, TO ESTABLISH PERPETUAL GROWTH.

ID	NAME	SLOPE RANGE	HYDROLOGIC SOIL GROUP
Ca	CANANDAIGUA SILT LOAM, NEUTRAL SUBSTRATUM	0 - 3%	C/D
DwB	DUTCHESS-CARDIGAN COMPLEX, UNDULATING, ROCKY	1 - 6%	C
DwC	DUTCHESS-CARDIGAN COMPLEX, ROLLING, ROCKY	5 - 16%	C
HsB	HOOSIC GRAVELLY LOAM, UNDULATING	1 - 6%	A
Wy	WAYLAND SILT LOAM	0 - 3%	C/D

	PROJECT PROPERTY BOUNDARY
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	EXISTING UNPAVED ROAD
	EXISTING FENCE
	EXISTING BUILDING
	EXISTING SPOT ELEVATION
	EXISTING TREES AND/OR BRUSH
	EXISTING CULVERT
	EXISTING OVERHEAD ELECTRIC
	EXISTING UTILITY POLE
	DELINEATED WETLAND: NYSDEC JURISDICTION
	NYSDEC 100-FOOT WETLAND BUFFER
	DELINEATED WETLAND: USACE JURISDICTION ONLY
	LOCAL 100-FOOT WETLAND BUFFER
	DELINEATED STREAM
	LIMITS OF DISTURBANCE
	PROPOSED PERVIOUS HAUL ROAD
	PROPOSED PAVED DRIVEWAY APRON
	PROPOSED VEGETATED MAINTENANCE PATH
	PROPOSED TREE LINE
	PROPOSED CHAIN LINK FENCE
	PROPOSED OVERHEAD ELECTRIC LINE AND POLE
	PROPOSED UNDERGROUND COLLECTION LINE
	PROPOSED SINGLE-AXIS TRACKER SOLAR ARRAY
	PROPOSED EQUIPMENT PAD
	PROPOSED MINOR CONTOUR
	PROPOSED MAJOR CONTOUR
	PROPOSED SILT FENCE

TOWN OF WAPPINGER ZONING INFO	
SITE ZONING CLASSIFICATION:	R-80 RESIDENTIAL - ONE-FAMILY RESIDENCE DISTRICT
OVERLAY & FLOATING DISTRICTS:	NONE

REQUIREMENT ORIGIN	DIMENSION	REQUIRED	PROVIDED
DIMENSIONAL REGULATIONS - RESIDENTIAL DISTRICTS TOWN OF WAPPINGER ZONING ATTACHMENT 240-3	FRONT LOT LINE SETBACK (FEET)	75	78
	SIDE LOT LINE SETBACK (FEET)	40	40
	REAR LOT LINE SETBACK (FEET)	50	2,203
GROUND-MOUNTED SOLAR ENERGY SYSTEMS CODE § 240-57	MAXIMUM IMPERVIOUS AREA OCCUPYING SITE (%)	15	<1
	PANEL COVERAGE AREA (SQUARE FEET)	161,537 (10% OF LOT AREA)	152,072 (9.41% OF LOT AREA)

24-06 -- USER: Tshen -- ATTACHED FILES -- ATTACHED IMAGES -- Drawn by: JRP, August 14, 2023, 11:00 AM, 2019027, TLD, and page 001.
DRAWING NAME: \\augusta-bp1\environmental\TMD envy_rmd\projects\lightstar renewables\lca488729 - old myers solar - wappinger, ny\10-DWG\488729 - G SHEETS.dwg --- PLOT DATE: March 23, 2023 - 4:29PM --- LAYOUT: G-03 EROSION CONTROL NOTES & DETAILS
Version: 2017-10-21

PERMANENT CONSTRUCTION AREA PLANTING

FINAL STABILIZATION SHOULD BE IMPLEMENTED AT THE COMPLETION OF EACH PHASE. ONCE CONSTRUCTION IS COMPLETE, EXPOSED SOILS REQUIRE FINAL AND PERMANENT STABILIZATION. ACCORDING TO FINAL DESIGN OF THE CONSTRUCTION AREA AND ACCESS, SOILS SHOULD BE GRADED SMOOTH AND LEVEL TO ELIMINATE RUTTING AND CONCENTRATED FLOWS, PUDDLING AND UNEVEN SURFACES FOR FUTURE MAINTENANCE ACTIVITIES. UNIMPROVED AREAS SHOULD BE RESTORED TO ORIGINAL GRADE UNLESS PERMITTED AND PLANNED FOR REQUIRED FUTURE MAINTENANCE. CONSERVED STOCKPILED TOPSOIL SHOULD BE UTILIZED FOR TOPDRESSING GRADED SUB-SOILS AT EXCAVATION LOCATIONS. ANY SEVERELY COMPACTED SECTIONS WILL REQUIRE CHISELING OR DISKING TO PROVIDE AN ADEQUATE ROOTING ZONE. TO A MINIMUM DEPTH OF 12" THE SEEDBED MUST BE PREPARED TO ALLOW GOOD SOIL TO SEED CONTACT. WITH THE SOIL NOT TOO SOFT AND NOT TOO COMPACT. ADEQUATE SOIL MOISTURE MUST BE PRESENT TO ACCOMPLISH THIS. IF SURFACE IS POWDER DRY OR STICKY WET, POSTPONE OPERATIONS UNTIL MOISTURE CHANGES TO A FAVORABLE CONDITION. REMOVE ALL STONES AND OTHER DEBRIS FROM THE SURFACE THAT ARE GREATER THAN 3 INCHES, OR THAT WILL INTERFERE WITH FUTURE MOWING OR MAINTENANCE.

SOIL AMENDMENTS SHOULD BE INCORPORATED INTO THE UPPER 2 INCHES OF SOIL WHEN FEASIBLE. THE SOIL SHOULD BE TESTED TO DETERMINE THE AMOUNTS OF AMENDMENTS NEEDED. APPLY GROUND AGRICULTURAL LIMESTONE TO ATTAIN A PH OF 6.0 IN THE UPPER 2 INCHES OF SOIL. IF SOIL MUST BE FERTILIZED BEFORE RESULTS OF A SOIL TEST CAN BE OBTAINED TO DETERMINE FERTILIZER NEEDS, APPLY COMMERCIAL FERTILIZER AT 600 LBS. PER ACRE OF 5-5-10 OR EQUIVALENT.

IF SOILS ARE SOFT, MECHANICAL MULCHING MAY NOT BE AVAILABLE DUE TO THE INEVITABLE RUTTING WITH MULCHING EQUIPMENT.

ANY UPLAND AREAS THAT ARE DISTURBED SHALL BE STABILIZED USING PERMANENT SEED MIX AS SPECIFIED IN THE SSEC, UNLESS DIRECTED OTHERWISE IN ASSOCIATED PERMITTING.

SEED MIXTURE	VARIETY	RATE IN LBS. PER ACRE	RATE IN LBS PER 1000 SQ. FT.
MIX #1			
CREeping RED FESCUE	ENSVLYA, PENNLAWN, BOREAL	10	0.25
PERENNIAL RYEGRASS	PENNFINE, LINN	10	0.25
*THIS MIX IS USED EXTENSIVELY FOR SHADED AREAS.			
MIX #2			
SWITCHGRASS	SHELTER, PATHFINDER, TRAILBLAZER, OR BLACKWELL	20	0.5
*THIS RATE IS IN PURE LIVE SEED. THIS WOULD BE AN EXCELLENT CHOICE ALONG THE UPLAND EDGE OF A WETLAND TO FILTER RUNOFF AND PROVIDE WILDLIFE BENEFITS. IN AREAS WHERE EROSION MAY BE A PROBLEM, A COMPANION SEEDING OF SAND LOVEGRASS SHOULD BE ADDED TO PROVIDE QUICK COVER AT A RATE OF 2 LBS. PER ACRE (0.05 LBS. PER 1000 SQ. FT.).			
MIX #3			
SWITCHGRASS	SHELTER, PATHFINDER, TRAILBLAZER, OR BLACKWELL	4	0.1
BIG BLUESTEM	NIAGARA	4	0.1
LITTLE BLUESTEM	ALDOUS OR CAMPER	2	0.05
INDIANGRASS	RUMSEY	4	0.1
COASTAL PANICGRASS	ATLANTIC	2	0.05
SIDEOTS GRAMA	EL RENO OR TRAILWAY	2	0.05
WILDFLOWER MIX		0.5	0.01
*THIS MIX HAS BEEN SUCCESSFUL ON SAND AND GRAVEL PLANTINGS. IT IS VERY DIFFICULT TO SEED WITHOUT A WARM SEASON GRASS SEEDER SUCH AS A TRIAX SEED DRILL. BROADCASTING THIS SEED IS VERY DIFFICULT DUE TO THE FLUFFY NATURE OF SOME OF THE SEED, SUCH AS BLUESTEMS AND INDIANGRASS.			
MIX #4			
SWITCHGRASS	SHELTER, PATHFINDER, TRAILBLAZER, OR BLACKWELL	10	0.25
COASTAL PANICGRASS	ATLANTIC	10	0.25
*THIS MIX IS SALT TOLERANT. A GOOD CHOICE ALONG THE UPLAND EDGE OF TIDAL AREAS AND ROADSIDES.			
MIX #6			
CREeping RED FESCUE	ENSVLYA, PENNLAWN, BOREAL	20	0.45
CHEWINGS FESCUE	COMMON	20	0.45
PERENNIAL RYEGRASS	PENNFINE, LINN	5	0.10
RED CLOVER	COMMON	10	0.45
*GENERAL PURPOSE EROSION CONTROL MIX. NOT TO BE USED FOR A TURF PLANTING OR PLAY GROUNDS.			

TEMPORARY STABILIZATION FOR FROZEN CONDITIONS

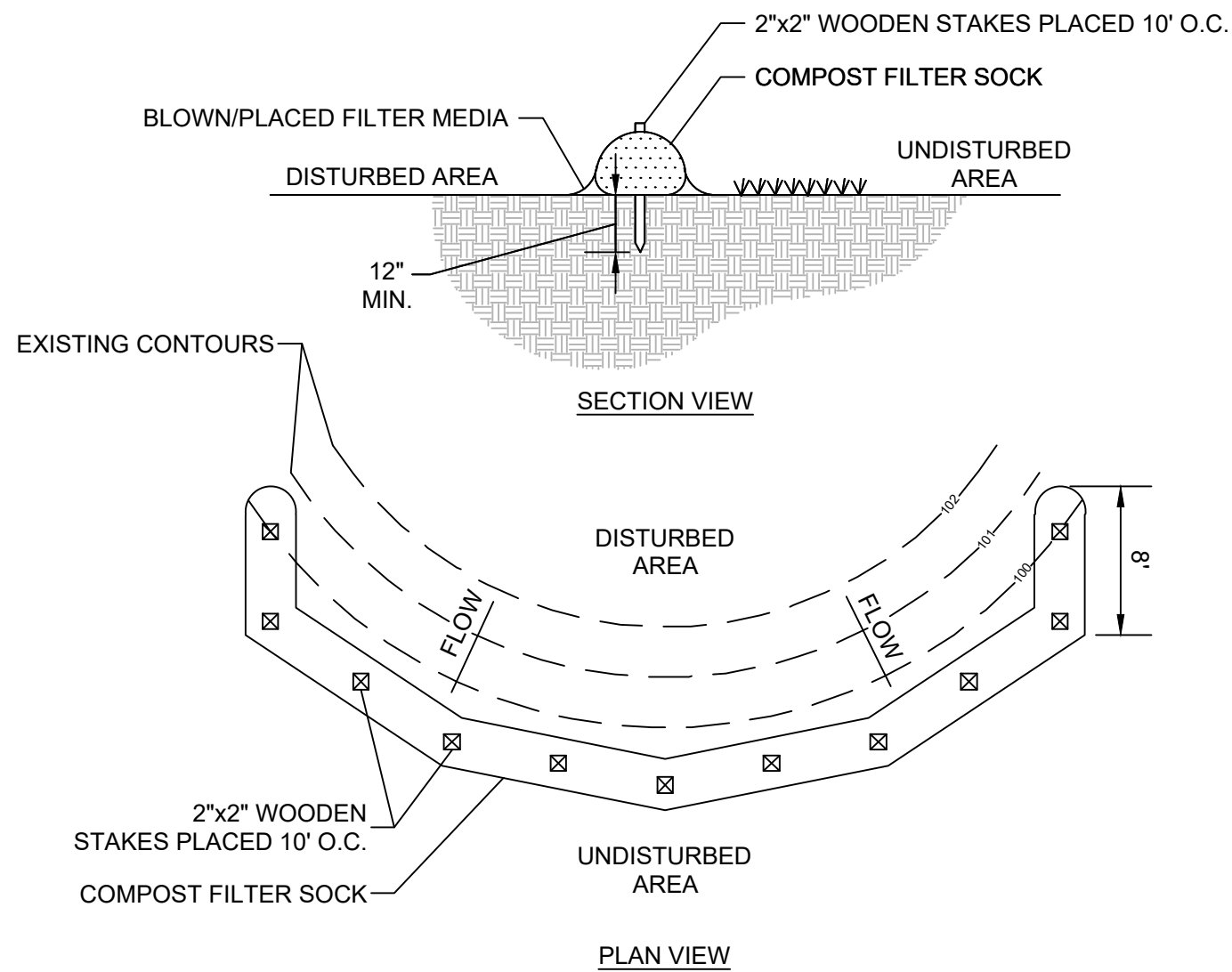
- ALL EROSION AND SEDIMENT CONTROLS MUST BE INSTALLED AND MAINTAINED ACCORDING TO THE NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL. THE WINTER STABILIZATION STANDARD APPLIES TO ALL CONSTRUCTION ACTIVITIES INVOLVED WITH ONGOING LAND DISTURBANCE AND EXPOSURE BETWEEN NOVEMBER 15TH TO THE FOLLOWING APRIL 1ST. THE ADDITIONAL ITEMS FOR FROZEN CONDITIONS TO CONSIDER ARE:
- SITE STABILIZATION - MULCHING SHOULD BE TRACKED INTO THE SOIL PRIOR TO FROZEN CONDITIONS, OR ANCHORED WITH NATURAL FIBER NETTING. APPLICATION OF MULCHING SHOULD BE PERFORMED PRIOR TO SIGNIFICANT SNOW FALL. IF STRAW MULCH ALONE IS USED FOR TEMPORARY STABILIZATION, IT SHALL BE APPLIED AT DOUBLE THE STANDARD RATE OF 2 TONS PER ACRE, MAKING THE APPLICATION RATE 4 TONS PER ACRE. OTHER MANUFACTURED MULCHES SHOULD BE APPLIED AT DOUBLE THE MANUFACTURER'S RECOMMENDED RATE. IN AREAS WHERE SOIL DISTURBANCE ACTIVITY HAS TEMPORARILY OR PERMANENTLY CEASED, THE APPLICATION OF SOIL STABILIZATION MEASURES SHOULD BE INITIATED BY THE END OF THE NEXT BUSINESS DAY AND COMPLETED WITHIN THREE (3) DAYS. ACCUMULATED SNOW AND FROZEN CONDITIONS ALONE ARE NOT CONSIDERED STABILIZATION.
- SLOPES - ALL SLOPES AND GRADES MUST BE PROPERLY STABILIZED WITH APPROVED METHODS. ROLLED EROSION CONTROL PRODUCTS MUST BE USED ON ALL SLOPES GREATER THAN 3:1, OR WHERE CONDITIONS FOR EROSION DICTATE SUCH MEASURES.
- A MINIMUM 25 FOOT BUFFER SHALL BE MAINTAINED FROM ALL PERIMETER CONTROLS SUCH AS SILT FENCE, MARK SILT FENCE WITH TALL STAKES THAT ARE VISIBLE ABOVE THE SNOW PACK. EDGES OF DISTURBED AREAS THAT DRAIN TO A WATERBODY WITHIN 100 FEET WILL HAVE 2 ROWS OF SILT FENCE, 5 FEET APART, INSTALLED ON THE CONTOUR.
- SOIL STOCKPILES - STOCKPILED SOILS MUST BE PROTECTED BY THE USE OF ESTABLISHED VEGETATION, ANCHORED-DOWN MULCH, ROLLED EROSION CONTROL PRODUCTS, OR OTHER DURABLE COVERING. SEDIMENT CONTROLS MUST BE INSTALLED DOWNSLOPE OF THE PILE TO CONTROL SEDIMENTATION TO UNDISTURBED LOCATIONS.
- CONSTRUCTION ENTRANCE - ALL ENTRANCE AND EXIT LOCATIONS TO THE SITE MUST BE PROPERLY STABILIZED AND MUST BE MAINTAINED TO ACCOMMODATE SNOW MANAGEMENT AS SET FORTH IN THE SSEC.
- SNOW MANAGEMENT - SNOW MANAGEMENT MUST NOT DESTROY OR DEGRADE EROSION AND SEDIMENT CONTROL PRACTICES. PLOWING PERFORMED SHOULD NOT MIGRATE PLACED CRUSHED STONE OR ACCUMULATED MATTING DEBRIS WITHIN WATERBODIES, CONVEYANCES OR PROTECTED AREAS. PREPARE A SNOW MANAGEMENT PLAN WITH ADEQUATE STORAGE FOR SNOW AND CONTROL OF MELT WATER, REQUIRING CLEARED SNOW TO BE STORED IN A MANNER NOT AFFECTING ONGOING CONSTRUCTION ACTIVITIES. ENLARGE AND STABILIZE ACCESS POINTS TO PROVIDE FOR SNOW MANAGEMENT AND STOCKPILING. SNOW MANAGEMENT ACTIVITIES MUST NOT DESTROY OR DEGRADE INSTALLED EROSION AND SEDIMENT CONTROL PRACTICES. DRAINAGE STRUCTURES MUST BE KEPT OPEN AND FREE OF SNOW AND ICE DAMS. ALL DEBRIS, ICE DAMS, OR DEBRIS FROM PLOWING OPERATIONS, THAT RESTRICT THE FLOW OF RUNOFF AND MELT WATER, SHALL BE REMOVED.
- HEAVING FROST - FROZEN GROUND WINTER CONDITIONS, AND EQUIPMENT CAN AFFECT EROSION AND SEDIMENT CONTROL PRACTICES. EROSION AND SEDIMENT CONTROL DEVICES MUST BE CHECKED FOR DAMAGE REQUIRED. TRAINED CONTRACTOR AND QUALIFIED INSPECTORS' INSPECTIONS, AND REPAIRS MADE AS NECESSARY. THIS IS ESPECIALLY IMPORTANT DURING THAWS AND PRIOR TO SPRING RAIN EVENTS.
- SHOULD WINTER SHUTDOWN OR A TEMPORARY CEASE IN SOIL DISTURBING ACTIVITIES BE REQUIRE TEMPORARY STABILIZATION METHODS SHALL BE APPLIED TO ALL DISTURBED AREAS, AND SWPPP INSPECTIONS CAN BE REDUCED TO A MINIMUM (EVERY 30 DAYS). CONTRACTOR AND/OR RESPONSIBLE PARTY SHOULD REFER TO SOIL STABILIZATION MEASURES IN ACCORDANCE WITH THE NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL (NOVEMBER 2016) AND SDES GENERAL PERMIT GP-D-15-002.

CONSTRUCTION SPECIFICATIONS

- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABLINKA T140N, OR APPROVED ALTERNATE.
- PRE-FABRICATED SILT FENCE SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED ALTERNATE.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

ADAPTED FROM DETAILS PROVIDED BY: USDA - NRCS,
NEW YORK STATE DEPARTMENT OF TRANSPORTATION,
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION,
NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE

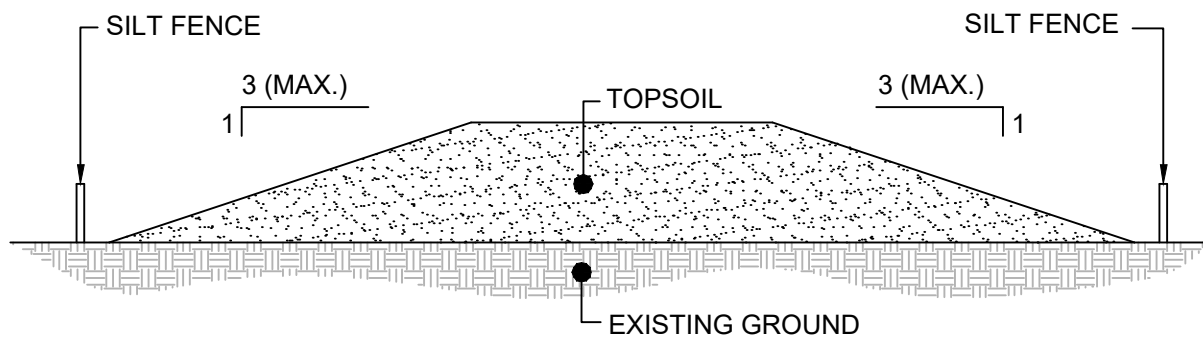
1 SILT FENCE DETAIL (NOT TO SCALE)



DIA. (in.)	SLOPE						
	2 %	5 %	10 %	20 %	25 %	33 %	50 %
8	225*	200	100	50	20	--	--
12	250	225	125	65	50	40	25
18	275	250	150	70	55	45	30
24	350	275	200	130	100	60	35
32	450	325	275	150	120	75	50

* SLOPE LENGTH (ft)

COMPOST FILTER SOCK DETAIL (NOT TO SCALE)



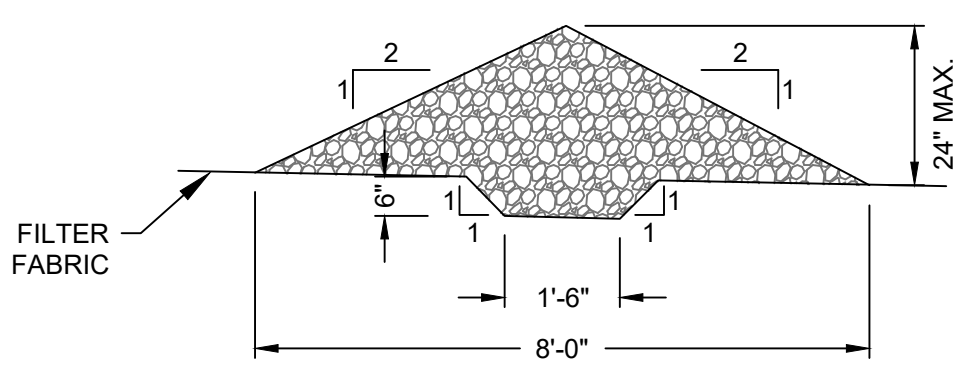
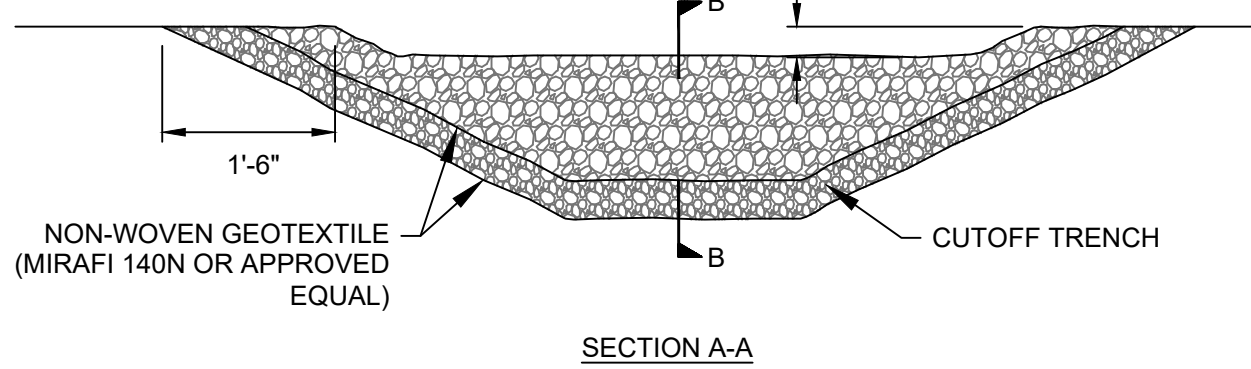
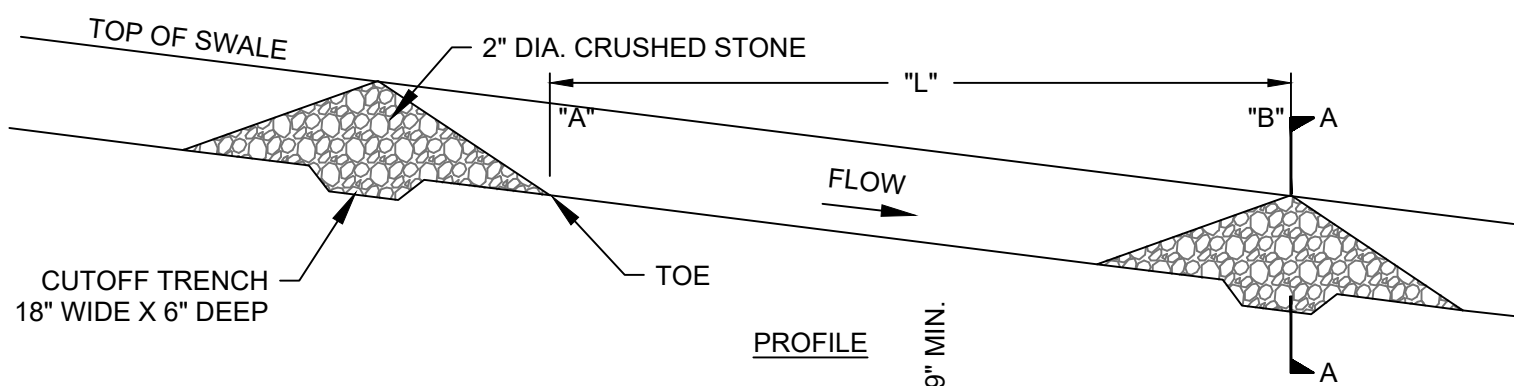
NOTES

- STOCKPILE SHALL BE SURROUNDED BY COMPOST FILTER SOCK OR SILT FENCE PER MANUFACTURER'S SPECIFICATIONS.
- STOCKPILE SHALL RECEIVE TEMPORARY VEGETATIVE STABILIZATION IN ACCORDANCE WITH THE NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL IMMEDIATELY AFTER COMPLETION OF STOCKPILE.

TOPSOIL STOCKPILE DETAIL (NOT TO SCALE)

- STONE SIZE - USE 1-4 INCH STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
- LENGTH - NOT LESS THAN 50 FEET. (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM WOULD APPLY.)
- THICKNESS - NOT LESS THAN SIX (6) INCHES.
- WIDTH - TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY-FOUR (24) FOOT IF SINGLE ENTRANCE TO SITE.
- GEOTEXTILE FABRIC - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING THE STONE.
- SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED BENEATH THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
- MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
- WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
- PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

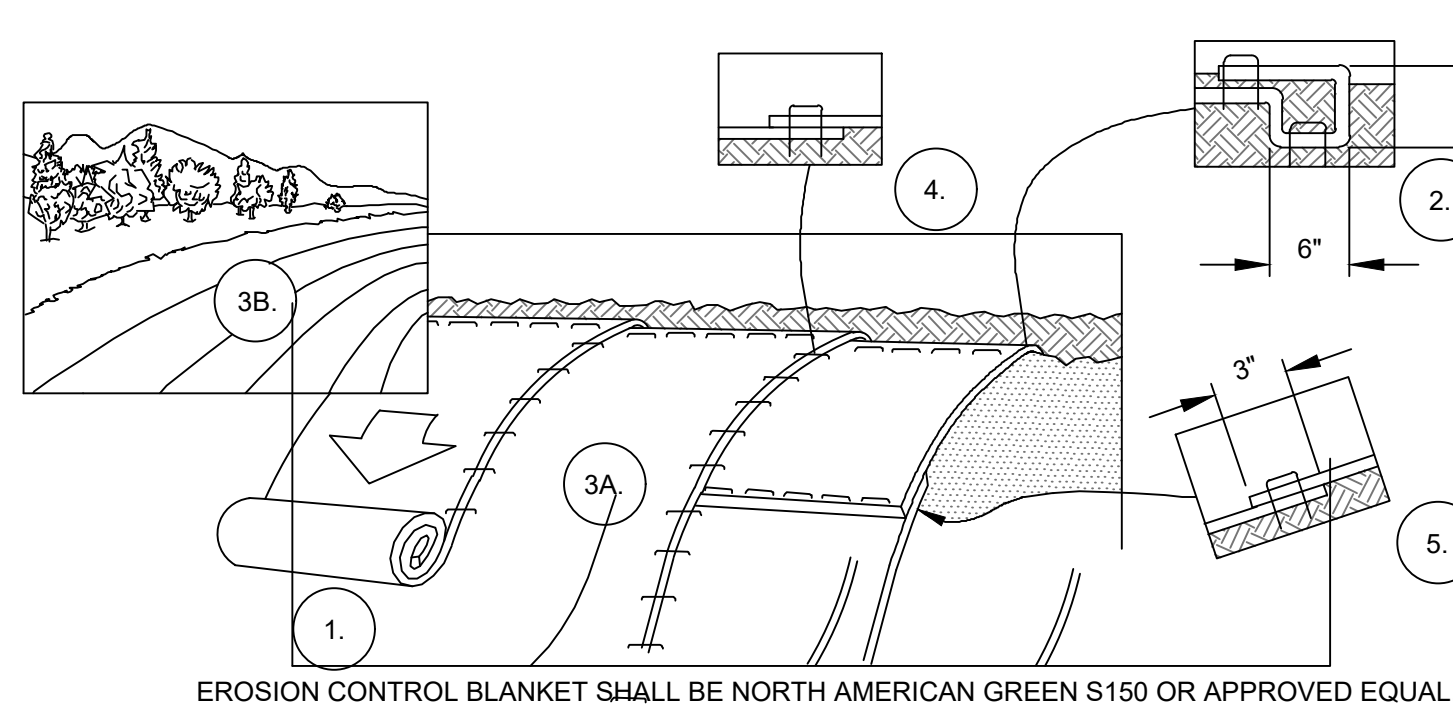
2 STABILIZED CONSTRUCTION ENTRANCE (NOT TO SCALE)



SLOPE (FT/FT)	LENGTH (FT)
0.020	100
0.030	66
0.040	50
0.050	40
0.080	25
0.100	20
0.120	17
0.150	13

NOTE:
INSTALL WHERE INDICATED ON SITE GRADING PLAN AND
AS NEEDED BY SPACING REQUIREMENTS.
"L" = THE DISTANCE SUCH THAT POINTS "A" AND "B" ARE
OF EQUAL ELEVATION

STONE CHECK DAM DETAIL (NOT TO SCALE)



- PREPARE SOIL BEFORE INSTALLING BLANKETS BY SMOOTHING THE SURFACE, REMOVING DEBRIS AND LARGE STONES, AND APPLICATION OF ANY NECESSARY LIME, FERTILIZER, AND SEED. NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
- BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" DEEP X 6" WIDE TRENCH WITH APPROXIMATELY 12" OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" APART ACROSS THE WIDTH OF THE BLANKET.
- ROLL THE BLANKETS (A.) DOWN OR (B.) HORIZONTALLY ACROSS THE SLOPE. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING OPTIONAL DOT SYSTEM, STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
- THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2"-5" OVERLAP DEPENDING ON BLANKET TYPE. TO ENSURE PROPER SEAM ALIGNMENT, PLACE THE EDGE OF THE OVERLAPPING BLANKET (BLANKET BEING INSTALLED ON TOP) EVEN WITH THE COLORED SEAM STITCH ON THE PREVIOUSLY INSTALLED BLANKET.
- CONSECUTIVE BLANKETS SPICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART ACROSS ENTIRE BLANKET WIDTH.

NOTE:
*IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" MAY BE NECESSARY TO PROPERLY SECURE THE BLANKETS.

EROSION CONTROL BLANKET INSTALLATION (NOT TO SCALE)

CONCRETE WASHOUT AREA (NOT TO SCALE)

- NOTES:
- SUMP(S) SHALL BE LOCATED NEAR WORK SITES BUT SHALL BE PLACED AS FAR AWAY FROM WETLANDS, BUFFERS AND DRAINAGE SWALES AS PRACTICAL.
 - SUMPS SHALL BE CLEANED AND WASTE CONCRETE REMOVED AND PROPERLY DISPOSED OF PERIODICALLY AND UPON COMPLETION OF WORK.
 - A SIGN SHALL BE INSTALLED INDICATING "CONCRETE WASHOUT".

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NOT FOR CONSTRUCTION

SEAL:		UNDER NEW YORK STATE EDUCATION LAW ARTICLE 145 (ENGINEERING), SECTION 7209 (2), IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.		
1	JRP	03/22/2023	REVISED PER TOWN COMMENTS	TND
0	JRP	02/02/2023	ISSUED FOR PERMITTING	TND
NO.	BY	DATE	REVISION	APPD.
PROJECT: NY SOLAR 1001 LLC OLD MYERS SOLAR PROJECT MYERS CORNER RD, WAPPINGER, DUTCHESS CO., NY				
TITLE: EROSION CONTROL NOTES & DETAILS				
DRAWN BY: JRP		PROJ. NO.: 488729		
CHECKED BY: TND				
APPROVED BY: TND				
DATE: MARCH 2023				
				G-03
FILE NO.:		249 Western Ave Augusta, ME 04330 Phone: 207.621.7000 www.trccompanies.com		
FILE NO.:		488729 - G SHEETS.dwg		

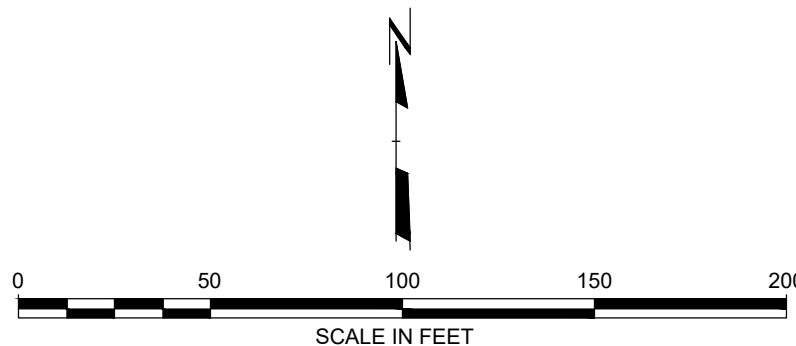


LEGEND


- | | |
|--|---|
| | PROJECT PROPERTY BOUNDARY |
| | EXISTING MAJOR CONTOUR |
| | EXISTING MINOR CONTOUR |
| | EXISTING UNPAVED ROAD |
| | EXISTING FENCE |
| | EXISTING BUILDING |
| | EXISTING SPOT ELEVATION |
| | EXISTING TREES AND/OR BRUSH |
| | EXISTING CULVERT |
| | EXISTING OVERHEAD ELECTRIC |
| | EXISTING UTILITY POLE |
| | BUILDING SETBACK |
| | DELINEATED WETLAND: NYSDEC JURISDICTION |
| | NYSDEC 100-FOOT WETLAND BUFFER |
| | DELINEATED WETLAND: USACE JURISDICTION ONLY |
| | LOCAL 100-FOOT WETLAND BUFFER |
| | DELINEATED STREAM |
| | LIMITS OF DISTURBANCE |
| | PROPOSED PERVIOUS HAUL ROAD |
| | PROPOSED PAVED DRIVEWAY APRON |
| | PROPOSED VEGETATED MAINTENANCE PATH |
| | PROPOSED TREE LINE |
| | PROPOSED CHAIN LINK FENCE |
| | PROPOSED OVERHEAD ELECTRIC LINE AND POLE |
| | PROPOSED UNDERGROUND COLLECTION LINE |
| | PROPOSED SINGLE-AXIS TRACKER SOLAR ARRAY |
| | PROPOSED EQUIPMENT PAD |
| | PROPOSED MINOR CONTOUR |
| | PROPOSED MAJOR CONTOUR |
| | PROPOSED SILT FENCE |
| | PHASE 1: 3.55-ACRES - CLEARING AND GRUBBING |
| | PHASE 2: 3.35-ACRES - ROAD CONSTRUCTION AND ARRAY GRADING |

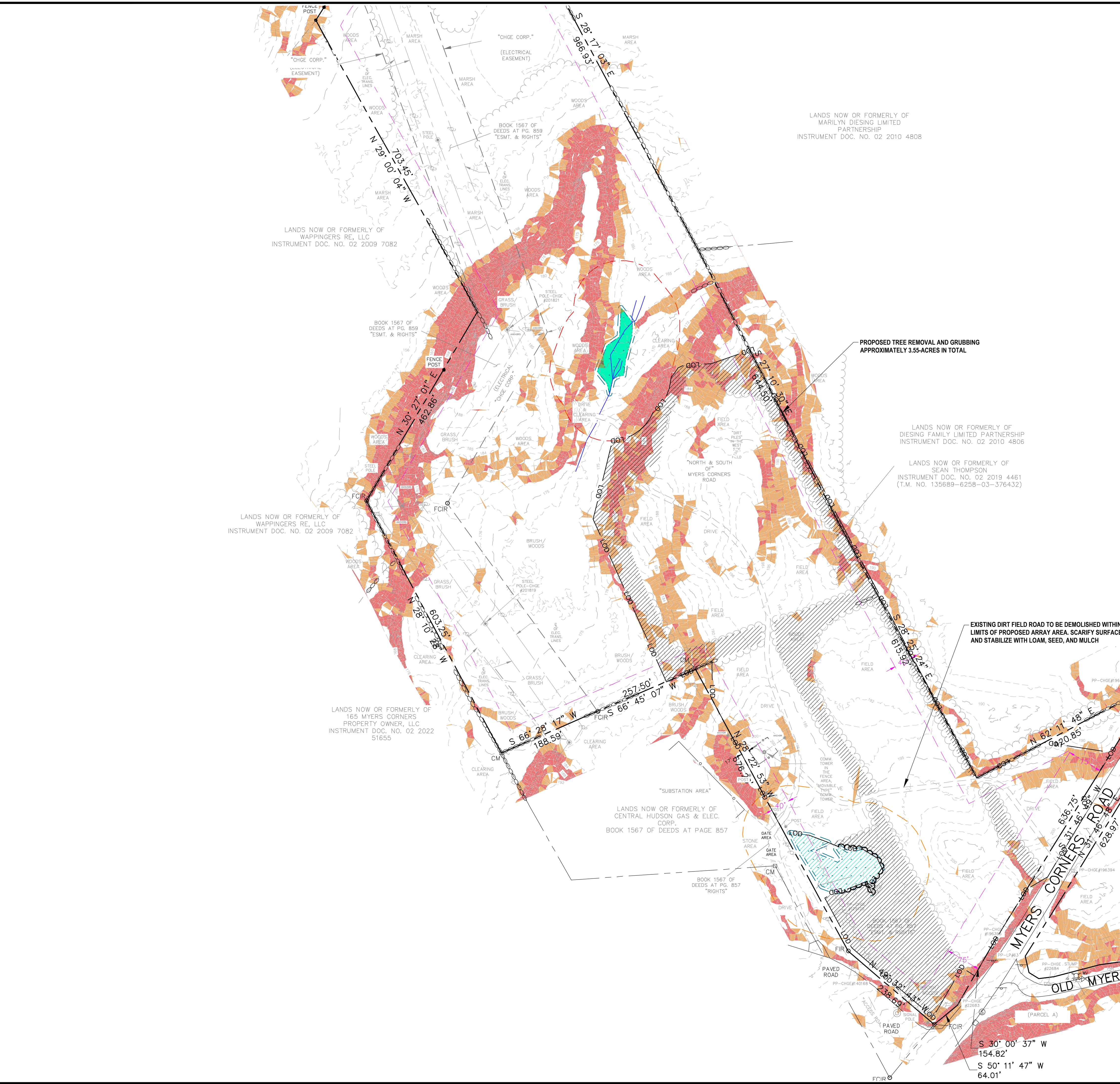
PHASING PLAN NOTES

1. NONE OF THE PHASES SHALL EXCEED 5 ACRES OF DISTURBANCE AT ONE TIME.
2. A NYS LICENSED LAND SURVEYOR MUST IDENTIFY THE LOD PRIOR TO THE START OF CONSTRUCTION WITHIN THE CONSTRUCTION SEQUENCING NOTES.
3. REFER TO "PROJECT CONSTRUCTION SEQUENCING NOTES" ON SHEET G-02.



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NO.	BY	DATE	REVISION				APPD.
PROJECT: NY SOLAR 1001 LLC OLD MYERS SOLAR PROJECT MYERS CORNER RD, WAPPINGER, DUTCHESS CO., NY							
TITLE: EARTH DISTURBANCE PHASING PLAN							
DRAWN BY: JRP				PROJ. NO.:		488729	
CHECKED BY: TND				G-04			
APPROVED BY: TND							
DATE: MARCH 2023							
				249 Western Ave. Augusta, ME 04330 Phone: 207.521.7000 www.trccompanies.com			
FILE NO.:				488729 - PROPOSED.dwg			




	PROJECT PROPERTY BOUNDARY
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	EXISTING UNPAVED ROAD
	EXISTING FENCE
	EXISTING BUILDING
	EXISTING SPOT ELEVATION
	EXISTING TREES AND/OR BRUSH
	EXISTING CULVERT
	EXISTING OVERHEAD ELECTRIC
	EXISTING UTILITY POLE
	BUILDING SETBACK
	DELINEATED WETLAND: NYSDEC JURISDICTION
	NYSDEC 100-FOOT WETLAND BUFFER
	DELINEATED WETLAND: USACE JURISDICTION ONLY
	LOCAL 100-FOOT WETLAND BUFFER
	DELINEATED STREAM
	LIMITS OF DISTURBANCE
	SLOPE ANALYSIS: <10%
	SLOPE ANALYSIS: 10%-15%
	SLOPE ANALYSIS: >15%
	TREE REMOVAL: APPROXIMATELY 3.5-ACRES

1. ALL TREE CLEARING MUST OCCUR BETWEEN NOVEMBER 1 AND MARCH 31.

1. IT IS THE INTENT OF THESE PLANS THAT THE CONTRACTOR SHALL PRESERVE EXISTING VEGETATION TO THE MAXIMUM EXTENT PRACTICAL.
2. EXISTING CONDITIONS AS SHOWN HEREIN ARE BASED UPON BOUNDARY AND TOPOGRAPHIC SURVEYS PREPARED BY OTHERS. REFER TO PLAN REFERENCE NOTES ON SHEET G-02.



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PROJECT: NY SOLAR 1001 LLC OLD MYERS SOLAR PROJECT MYERS CORNER RD, WAPPINGER, DUTCHESS CO., NY					
TITLE: EXISTING PERMITTING & SITE PREPARATION PLAN					
DRAWN BY:		JRP	PROJ NO.:		488729
CHECKED BY:		TND	C-100		
APPROVED BY:		TND			
DATE:		MARCH 2023			
			249 Western Ave. Augusta, ME 04330 Phone: 207.621.7000 www.trccompanies.com		
FILE NO.: 488729 - EXISTING.dwg					

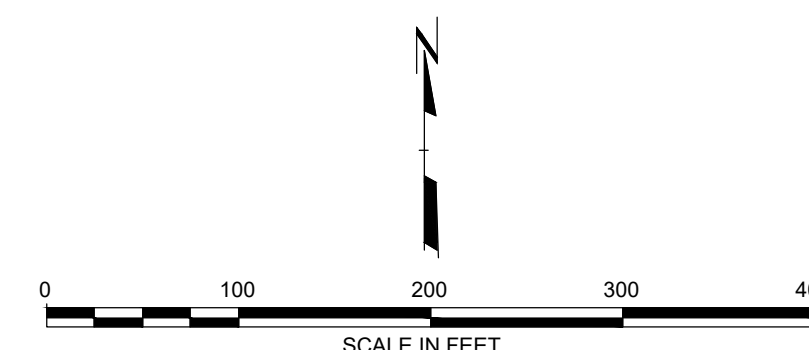


LEGEND

- | | |
|--|---|
| | PROJECT PROPERTY BOUNDARY |
| | EXISTING MAJOR CONTOUR |
| | EXISTING MINOR CONTOUR |
| | EXISTING UNIMPROVED ROAD |
| | EXISTING FENCE |
| | EXISTING BUILDING |
| | EXISTING SPOT ELEVATION |
| | EXISTING TREES AND/OR BRUSH |
| | EXISTING CULVERT |
| | EXISTING OVERHEAD ELECTRIC |
| | EXISTING UTILITY POLE |
| | BUILDING SETBACK |
| | DELINEATED WETLAND: NYSDEC JURISDICTION |
| | NYSDC 100-FOOT WETLAND BUFFER |
| | DELINEATED WETLAND: USACE JURISDICTION ONLY |
| | LOCAL 100-FOOT WETLAND BUFFER |
| | DELINEATED STREAM |
| | LIMITS OF DISTURBANCE |
| | PROPOSED PERVIOUS HAUL ROAD |
| | PROPOSED PAVED DRIVEWAY APRON |
| | PROPOSED VEGETATED MAINTENANCE PATH |
| | PROPOSED TREE LINE |
| | PROPOSED CHAIN LINK FENCE |
| | PROPOSED OVERHEAD ELECTRIC LINE AND POLE |
| | PROPOSED UNDERGROUND COLLECTION LINE |
| | PROPOSED SINGLE-AXIS TRACKER SOLAR ARRAY |
| | PROPOSED EQUIPMENT PAD |

SYSTEM INFORMATION

RACKING TYPE	2P SINGLE-AXIS TRACKER
MODULE TYPE	MAVertex TSM-DEG20C.20
MODULE WATTAGE	600 W
STRING LENGTH	32 MODS
SINGLE STRING TRACKERS	16
DOUBLE STRING TRACKERS	70
TOTAL NUMBER OF MODULES	4,992
TOTAL OUTPUT	2.995 MW DC



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UNDER NEW YORK STATE EDUCATION
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NO.	BY	DATE	REVISION		APP'D.

PROJECT: NY SOLAR 1001 LLC
OLD MYERS SOLAR PROJECT
MYERS CORNER RD, WAPPINGER, DUTCHESS CO., NY

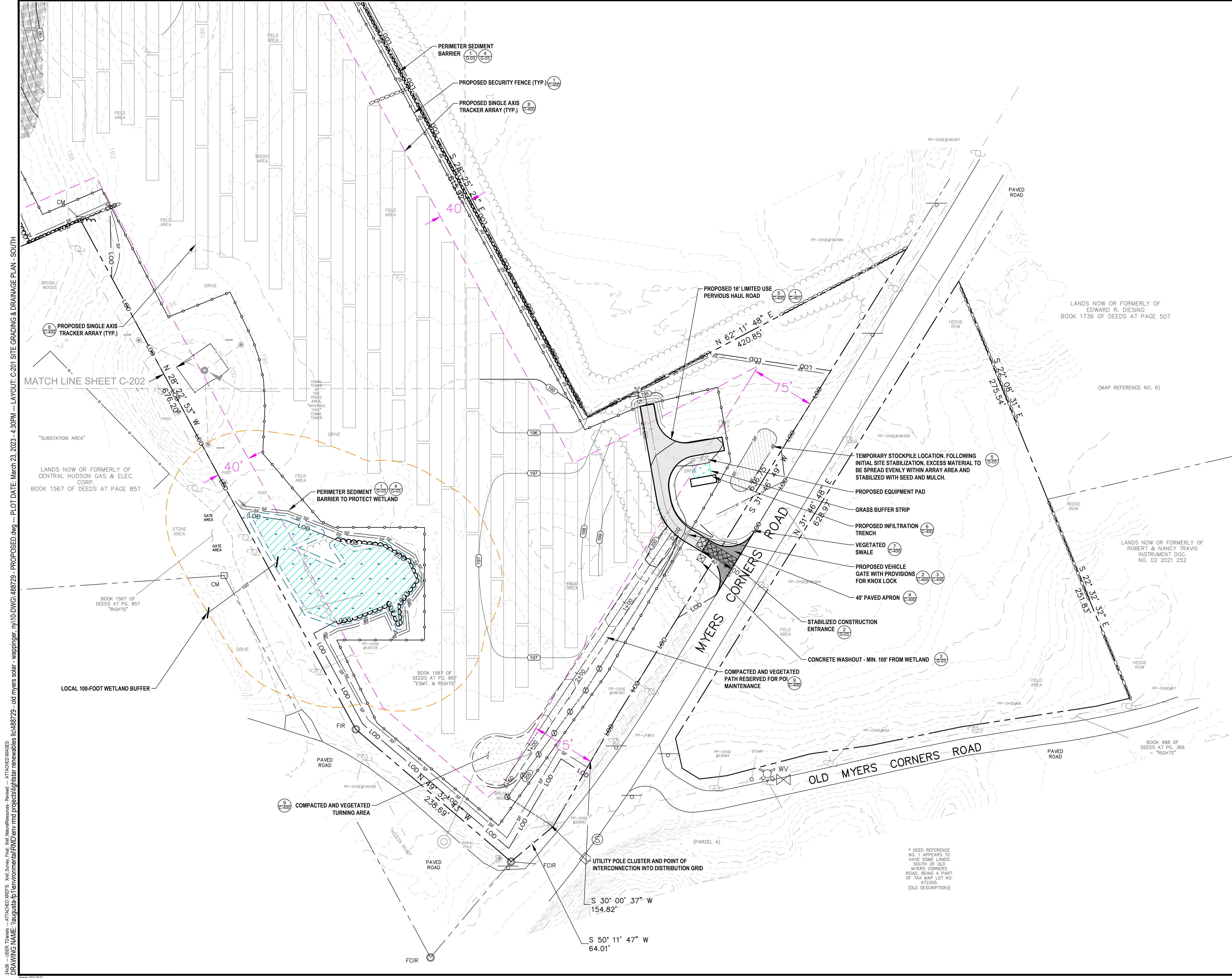
TITLE: **OVERALL SITE LAYOUT PLAN**

DRAWN BY:	JRP	PROJ. NO.:	488729
CHECKED BY:	TND	C-200	
APPROVED BY:	TND		
DATE:	MARCH 2023		

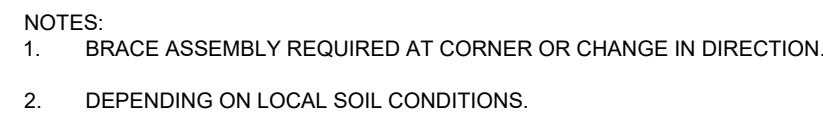


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Augusta, ME 04330
Phone: 207.621.7000
www.trccompanies.com

FILE NO.: 488729 - PROPOSED.dwg



24208 ... USER: Tamielis ... ATTACHED XREFS: Xref: NaturalResources - Revised ... ATTACHED IMAGES:
DRAWING NAME: \\austad-fp1\environmental\RD\env mnd projects\lightstar renewables\llc488729 - old mvers solar - wappinger, ny\10-DWG\488729 - PROPOSED.dwg --- PLOT DATE: March 23 2023 - 4:30PM --- LAYOUT: C-202 SITE GRADING & DRAINAGE PLAN - NORTH



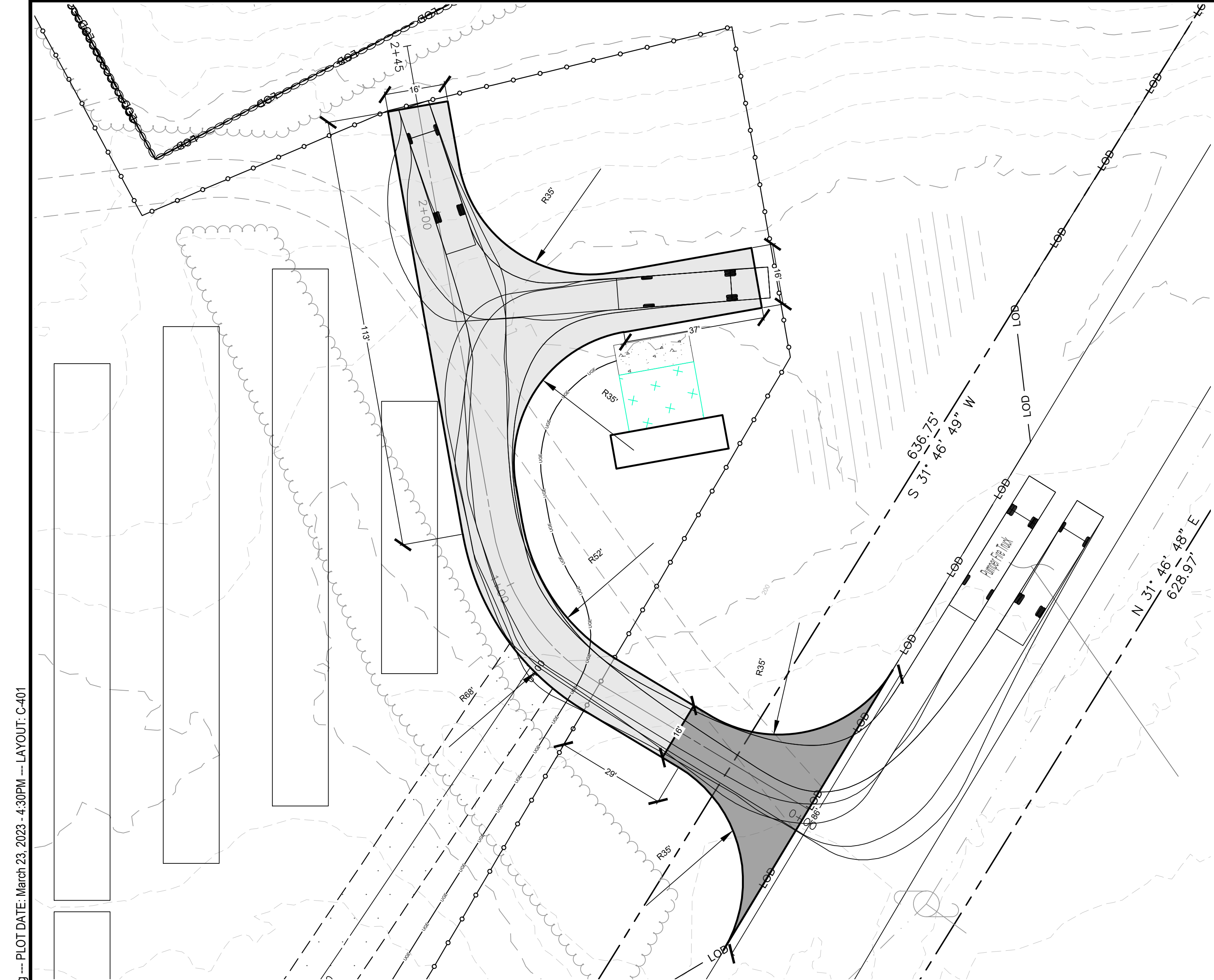
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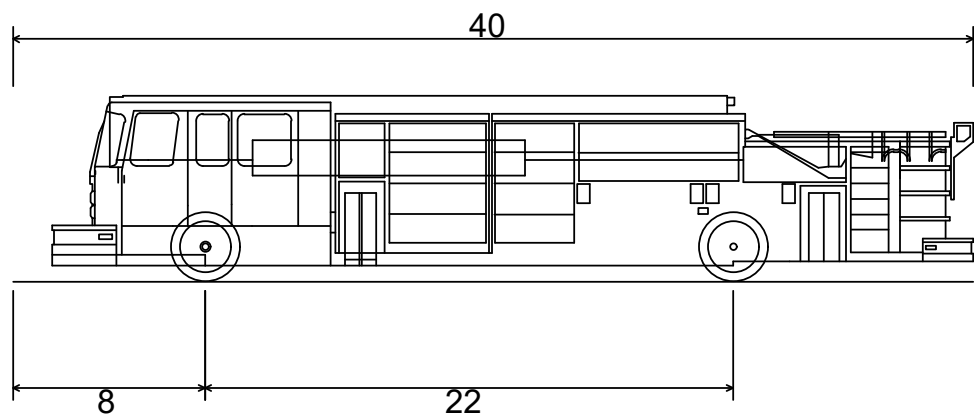
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1
C201
VEHICLE TURNING MOVEMENT EXHIBIT
SCALE: 1"=20'

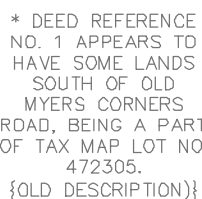


Pumper Fire Truck
Overall Length
Overall Width
Overall Body Height
Min Body Ground Clearance
Track Width
Lock-to-lock time
Max Wheel Angle

40.000ft
8.167ft
7.745ft
0.656ft
8.167ft
5.00s
45.00°

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PROJECT: NY SOLAR 1001 LLC OLD MYERS SOLAR PROJECT MYERS CORNER RD, WAPPINGER, DUTCHESS CO., NY				
TITLE: CIVIL CONSTRUCTION DETAILS				
DRAWN BY:		JRP	PROJ. NO.:	488729
CHECKED BY:		TND		
APPROVED BY:		TND	C-401	
DATE:		MARCH 2023		
TRC		249 Western Ave Augusta, ME 04330 Phone: 207.621.7000 www.trccompanies.com		
FILE NO.:		488729 - DT.dwg		



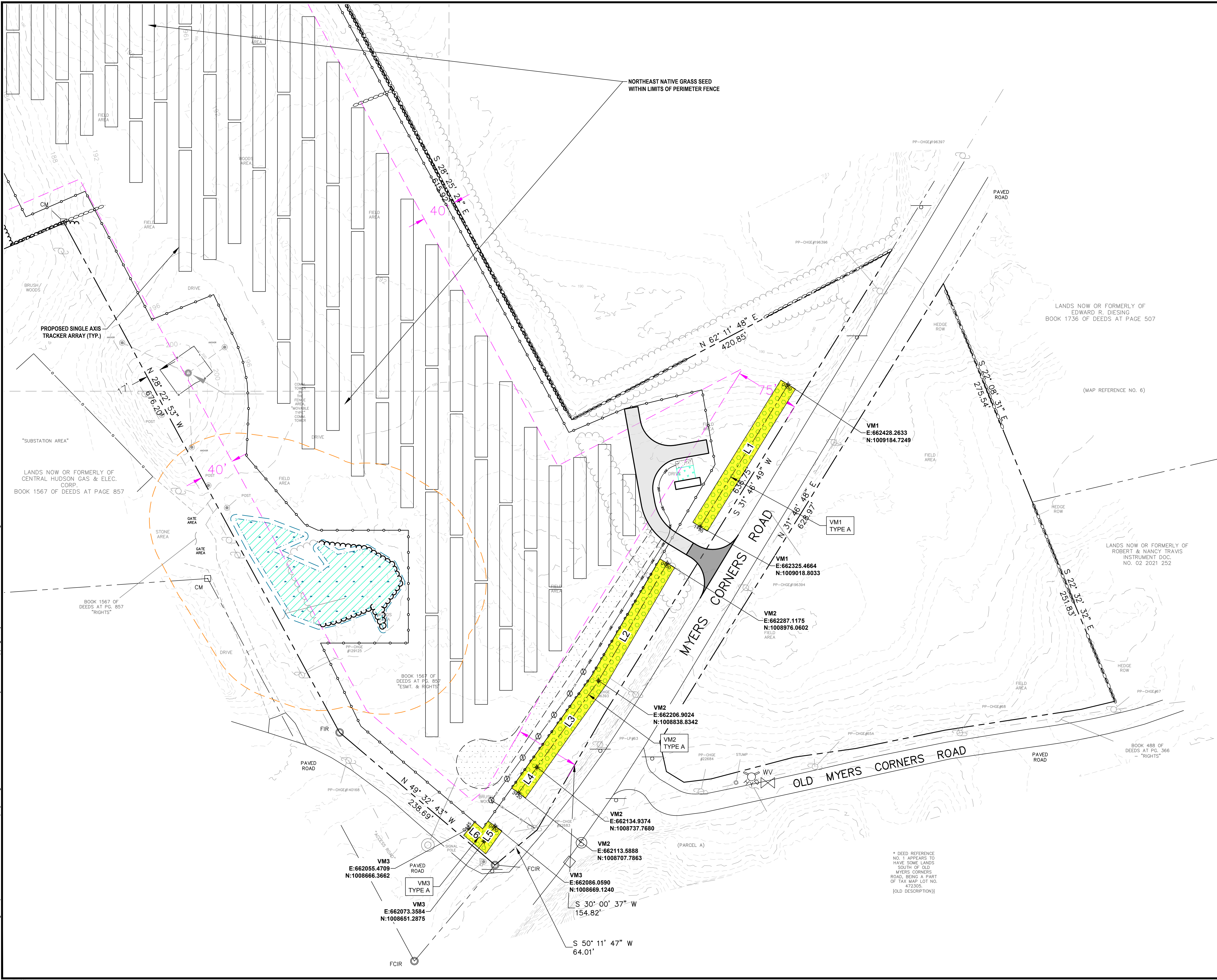
	PROJECT PROPERTY BOUNDARY
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	EXISTING UNPAVED ROAD
	EXISTING FENCE
	EXISTING BUILDING
	EXISTING SPOT ELEVATION
	EXISTING TREES AND/OR BRUSH
	EXISTING CULVERT
	EXISTING OVERHEAD ELECTRIC
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	LOCAL 100-FOOT WETLAND BUFFER
	DELINEATED STREAM
	LIMITS OF DISTURBANCE
	VISUAL MITIGATION PLANTING

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2426 --USER: T:\projects\488729 - LANDSCAPE.dwg --- PLOT DATE: March 23, 2023 4:31PM --- LAYOUT: L-101
DRAWING NAME: \\augusta-p1\environmental\RD\env.mxd projects\lightstar renewables\lca488729 - old myers solar - wappinger, ny\10-DWG\488729 - LANDSCAPE.dwg
2426 --USER: T:\projects\488729 - LANDSCAPE.dwg --- PLOT DATE: March 23, 2023 4:31PM --- LAYOUT: L-101
DRAWING NAME: \\augusta-p1\environmental\RD\env.mxd projects\lightstar renewables\lca488729 - old myers solar - wappinger, ny\10-DWG\488729 - LANDSCAPE.dwg



LEGEND

	PROJECT PROPERTY BOUNDARY
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	EXISTING UNPAVED ROAD
	EXISTING FENCE
	EXISTING BUILDING
	EXISTING SPOT ELEVATION
	EXISTING TREES AND/OR BRUSH
	EXISTING CULVERT
	EXISTING OVERHEAD ELECTRIC
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	LOCAL 100-FOOT WETLAND BUFFER
	DELINEATED STREAM
	LOD
	LIMITS OF DISTURBANCE
	PROPOSED ACCESS ROAD
	PROPOSED VEGETATED MAINTENANCE PATH
	PROPOSED TREE LINE
	PROPOSED CHAIN LINK FENCE
	PROPOSED OVERHEAD ELECTRIC LINE AND POLE
	PROPOSED UNDERGROUND COLLECTION LINE
	PROPOSED SINGLE-AXIS TRACKER SOLAR ARRAY
	PROPOSED EQUIPMENT PAD
	PROPOSED MINOR CONTOUR
	PROPOSED MAJOR CONTOUR
	PROPOSED SILT FENCE
	VISUAL MITIGATION PLANTING

NOTES

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SCALE IN FEET

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<table><tr><td>1</td><td>JRP</td><td>03/22/2023</td><td>REVISED PER TOWN COMMENTS</td><td>TND</td></tr><tr><td>0</td><td>JRP</td><td>02/02/2023</td><td>ISSUED FOR PERMITTING</td><td>TND</td></tr><tr><td>NO.</td><td>BY</td><td>DATE</td><td>REVISION</td><td>APPD.</td></tr></table>				1	JRP	03/22/2023	REVISED PER TOWN COMMENTS	TND	0	JRP	02/02/2023	ISSUED FOR PERMITTING	TND	NO.	BY	DATE	REVISION	APPD.
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PROJECT: NY SOLAR 1001 LLC OLD MYERS SOLAR PROJECT MYERS CORNER RD, WAPPINGER, DUTCHESS CO., NY																		
TITLE: LANDSCAPE PLAN - ENLARGED																		
DRAWN BY: JRP		PROJ. NO.: 488729																
CHECKED BY: TND		L-101																
APPROVED BY: TND																		
DATE: MARCH 2023																		
		249 Western Ave. Augusta, ME 04330 Phone: 207.621.7000 www.trccompanies.com																
FILE NO.: 488729 - LANDSCAPE.dwg																		

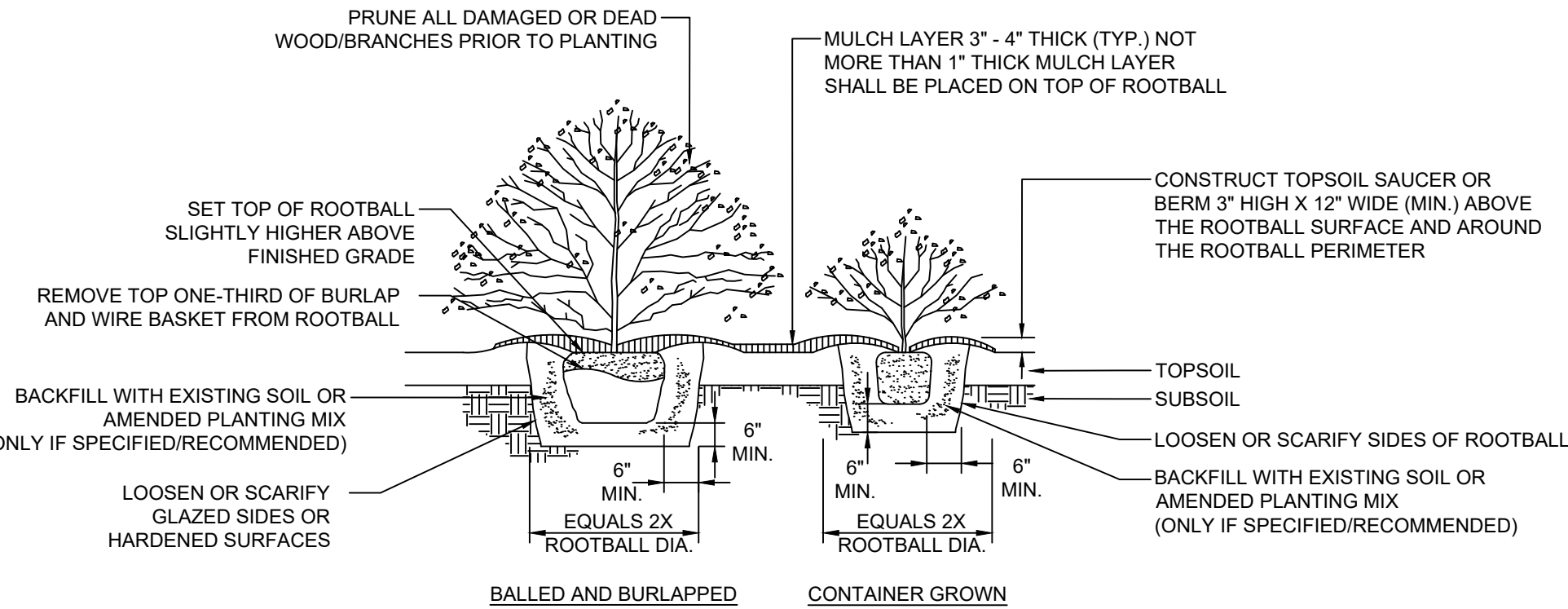
24-06 - USER: Thelma --- ATTACHED: 48729 - PROPOSED: Xref Survey, Einfo, Xref Plans, Xref Resources, Review: Xref Landscape, Xref Planting Template --- ATTACHED IMAGES: DRAWING NAME: \\augustia-bp1\environmental\RD\env.mxd projects\lightstar renewables\lc488729 - old\myers solar - wappinger, ny\10-DWG\488729 - LANDSCAPE.dwg --- PLOT DATE: March 23, 2023 - 4:31 PM --- LAYOUT: L-102 LANDSCAPE NOTES & DETAILS

GENERAL LANDSCAPE AND SEEDING NOTES

- THE LANDSCAPE PLAN AND DETAILS ARE FOR LANDSCAPING INFORMATION ONLY. PLEASE REFER TO THE SITE LAYOUT PLAN, GRADING PLAN AND/OR UTILITIES PLAN FOR ALL OTHER INFORMATION.
- THE CONTRACTOR SHALL MONITOR AND GUARANTEE THAT ALL PLANTS, TREES, AND SHRUBS SHALL BE HEALTHY AND FREE OF DISEASE FOR A PERIOD OF (1) ONE YEAR AFTER SUBSTANTIAL COMPLETION AND ACCEPTANCE BY THE OWNER. CONTRACTOR SHALL REPLACE ANY DEAD OR UNHEALTHY PLANTS AT CONTRACTOR'S EXPENSE. FINAL ACCEPTANCE SHALL BE MADE IF ALL PLANTS MEET THE GUARANTEE REQUIREMENTS INCLUDING MAINTENANCE. MAINTENANCE RESPONSIBILITIES INCLUDE INVASIVE SPECIES MONITORING, REMOVAL, AND SUPPLEMENTATION. MONITORING OF THE PROJECT SITE SHALL OCCUR IN THE SPRING AND THE FALL TO DETERMINE THE PRESENCE OF INVASIVE SPECIES. SHOULD ANY INVASIVE SPECIES BE IDENTIFIED WITHIN THE PROJECT SITE, THE INVASIVE SPECIES SHALL BE REMOVED ACCORDING TO METHODS MOST LIKELY TO BE EFFECTIVE IN CONTROLLING THAT SPECIES AND SUPPLEMENTING ITS REPLACEMENT WITH APPROPRIATE VEGETATION AND SEED MIX IDENTIFIED (AND APPROVED) ON THIS PLAN AND/OR AN APPROVED EQUAL. ADDITIONAL MAINTENANCE RESPONSIBILITIES INCLUDE: APPROVED CULTIVATING, SPRAYING, WEEDING, WATERING, TIGHTENING OF TREE STRAP GUYS, PRUNING, FERTILIZING, MULCHING, AND ANY OTHER OPERATIONS NECESSARY TO MAINTAIN PLANT VIABILITY. MAINTENANCE SHALL BEGIN IMMEDIATELY AFTER PLANTING AND CONTINUE UNTIL 90 DAYS AFTER FINAL ACCEPTANCE. WATERING OF THE LANDSCAPE BUFFER AREAS SHALL BE IMPLEMENTED BY THE USE OF A WATERING TRUCK.
- THE CONTRACTOR SHALL SUPPLY ALL LABOR, PLANTS, APPROVED SEEDING MIX, AND MATERIALS IN QUANTITIES SUFFICIENT TO COMPLETE THE WORK SHOWN ON THE DRAWING(S) AND LISTED IN THE PLANT SCHEDULE(S) AND/OR SEEDING TABLE(S), IN THE EVENT OF A DISCREPANCY BETWEEN QUANTITIES SHOWN IN THE PLANT SCHEDULE AND/OR SEEDING TABLE AND THOSE REQUIRED BY THE DRAWINGS, THE LARGER SHALL APPLY. ALL PLANTS SHALL BE ACCLIMATED BY THE SUPPLY NURSERY TO THE LOCAL HARDINESS ZONE AND BE CERTIFIED THAT THE PLANTING MATERIAL HAS BEEN GROWN FOR A MINIMUM OF (2) TWO YEARS AT THE SOURCE AND OBTAINED WITHIN 200 MILES OF PROJECT SITE UNLESS OTHERWISE APPROVED BY OWNER, CERTIFIED LANDSCAPE INSPECTOR, OR LANDSCAPE ARCHITECT.
- THE LOCATIONS FOR PLANT MATERIAL ARE APPROXIMATE AND ARE SUBJECT TO FIELD ADJUSTMENT DUE TO SLOPE, VEGETATION, AND SITE FACTORS SUCH AS THE LOCATION OF ROCK OUTCROPS. PRIOR TO PLANTING THE CONTRACTOR SHALL ACCURATELY STAKE OUT THE LOCATIONS FOR ALL PLANTS. THE OWNER, CERTIFIED LANDSCAPE INSPECTOR, OR LANDSCAPE ARCHITECT SHALL APPROVE THE FIELD LOCATIONS OR ADJUSTMENTS OF THE PLANT MATERIAL.
- ALL SHRUB MASSING AREAS SHALL BE MULCHED TO A DEPTH OF 2" WITH SHREDDED HARDWOOD BARK MULCH.
- NO PLANT SHALL BE PLACED IN THE GROUND BEFORE ROUGH GRADING HAS BEEN COMPLETED AND APPROVED BY THE OWNER, CERTIFIED LANDSCAPE INSPECTOR, OR LANDSCAPE CONTRACTOR. STAKING THE LOCATION OF ALL TREES AND SHRUBS SHALL BE COMPLETED PRIOR TO PLANTING FOR APPROVAL BY THE OWNER, CERTIFIED LANDSCAPE INSPECTOR, OR LANDSCAPE ARCHITECT. STAKING OF THE INSTALLED TREE MUST BE COMPLETED THE SAME DAY AS IT IS INSTALLED. ALL TREES SHALL BE STAKED OR GUYED AS PER THE DETAIL. SEE LANDSCAPING PLAN(S) FOR PLANTING DETAILS.
- COORDINATE PLANT MATERIAL LOCATIONS WITH SITE UTILITIES. SEE SITE LAYOUT, GRADING AND/OR UTILITY PLANS FOR STORM, SANITARY, GAS, ELECTRIC, TELEPHONE AND WATER LINES. UTILITY LOCATIONS ARE APPROXIMATE. EXERCISE CARE WHEN DIGGING IN AREAS OF POTENTIAL CONFLICT WITH UNDERGROUND OR OVERHEAD UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE DUE TO CONTRACTOR'S NEGLIGENCE AND SHALL REPLACE OR REPAIR ANY DAMAGE AT CONTRACTOR'S EXPENSE.
- LANDSCAPE PLANTING PITS MUST BE FREE DRAINING. PAVEMENT, COMPACTED SUBGRADE, AND BLASTED ROCK SHALL BE REMOVED TO A DEPTH OF 2' OR TO A GREATER DEPTH IF REQUIRED BY PLANTING DETAILS OR SPECIFICATIONS. REPLACE SOIL WITH MODERATELY COMPACTED LOAM OR SANDY LOAM FREE FROM STONES AND RUBBISH 1" OR GREATER IN DIAMETER AND ANY OTHER MATERIAL. HARMFUL TO PLANT GROWTH AND DEVELOPMENT. PLANTING INSTALLATION SHALL BE AS DETAILED AND CONTAIN PLANTING MIX AS SPECIFIED UNLESS OTHERWISE RECOMMENDED OTHERWISE BY SOIL ANALYSIS.

PLANTING SOIL MIXTURE:
2 PARTS PEAT MOSS
5 PARTS TOPSOIL
MYCORRHIZA INOCULANT - "TRANSPLANT 1-STEP" AS MANUFACTURED BY ROOTS, INC. OR APPROVED EQUAL. USE PER MANUFACTURER'S RECOMMENDATIONS FOR TREES AND SHRUBS. FERTILIZER/LIME APPLY AS RECOMMENDED BY SOIL ANALYSIS

- TREES, AND SHRUBS: TREES AND SHRUBS SHALL BE NURSERY GROWN UNLESS OTHERWISE NOTED AND HARDY UNDER CLIMATIC CONDITIONS SIMILAR TO THOSE IN THE LOCATION OF THE PROJECT. THEY SHALL BE TYPICAL OF THEIR SPECIES OR VARIETY, WITH NORMAL HABIT OF GROWTH. THEY SHALL BE SOUND, HEALTHY, VIGOROUS, WELL-BRANCHED AND DENSELY FOLIATED WHEN IN LEAF. THEY SHALL BE FREE OF DISEASE, INSECT PESTS, EGGS OR LARVAE. THEY SHALL HAVE HEALTHY AND WELL-DEVELOPED ROOT SYSTEMS. ALL TREES SHALL HAVE STRAIGHT SINGLE TRUNKS WITH THEIR MAIN LEADER INTACT. THE OWNER, CERTIFIED LANDSCAPE INSPECTOR, LANDSCAPE ARCHITECT SHALL ONLY PERMIT SUBSTITUTIONS UPON WRITTEN APPROVAL. THEIR SIZES SHALL CONFORM TO THE MEASUREMENT SPECIFIED ON THE DRAWINGS. PLANTS LARGER THAN SPECIFIED ON THE DRAWINGS MAY BE USED IF APPROVED. THE USE OF SUCH PLANTS SHALL NOT INCREASE THE CONTRACT PRICE. ALL TREES AND SHRUBS SHALL BE MULCHED IN ACCORDANCE WITH THE RESPECTIVE PLANTING DETAIL(S) PROVIDED IN THE LANDSCAPING PLAN.
 - ALL PRUNING SHALL CONFORM TO THE TREE CARE INDUSTRY ASSOCIATION (TCIA) ANSI A300 (PART 1) - 2017 PRUNING STANDARDS. PRUNING STANDARDS SHALL RECOGNIZE BUT, ARE NOT LIMITED TO, THE FOLLOWING PRUNING OBJECTIVES: MANAGE RISK, MANAGE HEALTH, DEVELOP STRUCTURE, PROVIDE CLEARANCE, MANAGE SIZE OR SHAPE, IMPROVE AESTHETICS, MANAGE PRODUCTION OF FRUIT, FLOWERS, OR OTHER PRODUCTS, AND/OR MANAGE WILDLIFE HABITAT. DEVELOPING STRUCTURE SHALL IMPROVE BRANCH AND TRUNK ARCHITECTURE, PROMOTE OR SUBORDINATE CERTAIN LEADERS, STEMS, OR BRANCHES; PROMOTE DESIRABLE BRANCH SPACING, PROMOTE OR DISCOURAGE GROWTH IN A PARTICULAR DIRECTION (DIRECTIONAL PRUNING); MINIMIZE FUTURE INTERFERENCE WITH TRAFFIC, LINES OF SIGHT, INFRASTRUCTURE, OR OTHER PLANTS; RESTORE PLANTS FOLLOWING DAMAGE, AND/OR REJUVENATE SHRUBS. PROVIDING CLEARANCE SHALL ENSURE SAFE AND RELIABLE UTILITY SERVICES; MINIMIZE CURRENT INTERFERENCE WITH TRAFFIC, LINES OF SITE, INFRASTRUCTURE, OR OTHER PLANTS; RAISE CROWN(S) FOR MOVEMENT OF TRAFFIC OR LIGHT PENETRATION; ENSURE LINES OF SIGHT OR DESIRED VIEWS; PROVIDE ACCESS TO SITES, BUILDINGS, OR OTHER STRUCTURES; AND/OR COMPLY WITH REGULATIONS.
 - TOPSOIL SHALL BE INSTALLED AT A MINIMUM DEPTH OF 4 INCHES. CONTRACTOR SHALL SUBMIT TOPSOIL TO A CERTIFIED TESTING LABORATORY TO DETERMINE PH, FERTILITY, ORGANIC CONTENT AND MECHANICAL COMPOSITION. THE CONTRACTOR SHALL SUBMIT THE TEST RESULTS FROM REGIONAL EXTENSION OFFICE OF USE TO THE OWNER, CERTIFIED LANDSCAPE INSPECTOR, OR LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL. CONTRACTOR SHALL INCORPORATE AMENDMENTS FOR GOOD PLANT GROWTH AND PROPER SOIL ACIDITY RECOMMENDED FROM THE TOPSOIL TEST.
 - NO PHOSPHOROUS SHALL BE USED AT PLANTING TIME UNLESS SOIL TESTING HAS BEEN COMPLETED AND TESTED BY A HORTICULTURAL TESTING LAB AND SOIL TESTS SPECIFICALLY INDICATE A PHOSPHOROUS DEFICIENCY THAT IS HARMFUL, OR WILL PREVENT NEW LAWNS/GRASSES AND PLANTINGS FROM ESTABLISHING PROPERLY.
 - IF SOIL TESTS INDICATE A PHOSPHOROUS DEFICIENCY THAT WILL IMPACT PLANT AND LAWN ESTABLISHMENT, PHOSPHOROUS SHALL BE APPLIED AT THE MINIMUM RECOMMENDED LEVEL PRESCRIBED IN THE SOIL TEST FOLLOWING ALL APPLICABLE STANDARDS, REQUIREMENTS, AND/OR REGULATIONS.
 - ALL SLOPES GREATER THAN 3:1 RECEIVING A WILDFLOWER, WETLAND, AND/OR GRASS SEEDING MIXTURE SHALL BE COVERED BY EROSION CONTROL BLANKET.
 - ALL WILDFLOWERS AND GRASSES SOWNED SHALL BE ALLOWED TO GROW TO THEIR NATURALLY OCCURRING HEIGHTS WHENEVER POSSIBLE. NATIVE WILDFLOWERS AND/OR GRASSES CAN BE MOWED/MAINTAINED (WITHIN ACCEPTABLE AREAS IDENTIFIED AND/OR APPROVED BY APPROPRIATE REGULATORY AGENCIES) AS OFTEN AS NEEDED TO KEEP THE VEGETATION AT A DESIRED AND/OR MANAGEABLE/MANICURED HEIGHT.
- NON-NATIVE PLANT SPECIES SHALL NOT TOTAL MORE THAN 50% OF ALL PLANTINGS. INVASIVE SPECIES SHALL NOT BE PERMITTED.
 - PLANT MATERIALS SHALL NOT INCLUDE MORE THAN 25% OF ANY SINGLE SPECIES. THE PLANTINGS SHALL INCLUDE A MIX OF EVERGREEN AND DECIDUOUS TREES, UNDERSTORY TREES, SHRUBS, AND FLOWERING HERBACEOUS LAYER.
 - ALL PLANT MATERIAL SHALL CONFORM TO THE PLAN SIZE SPECIFICATIONS AS ESTABLISHED BY THE AMERICAN STANDARD FOR NURSERY STOCK LATEST EDITION.

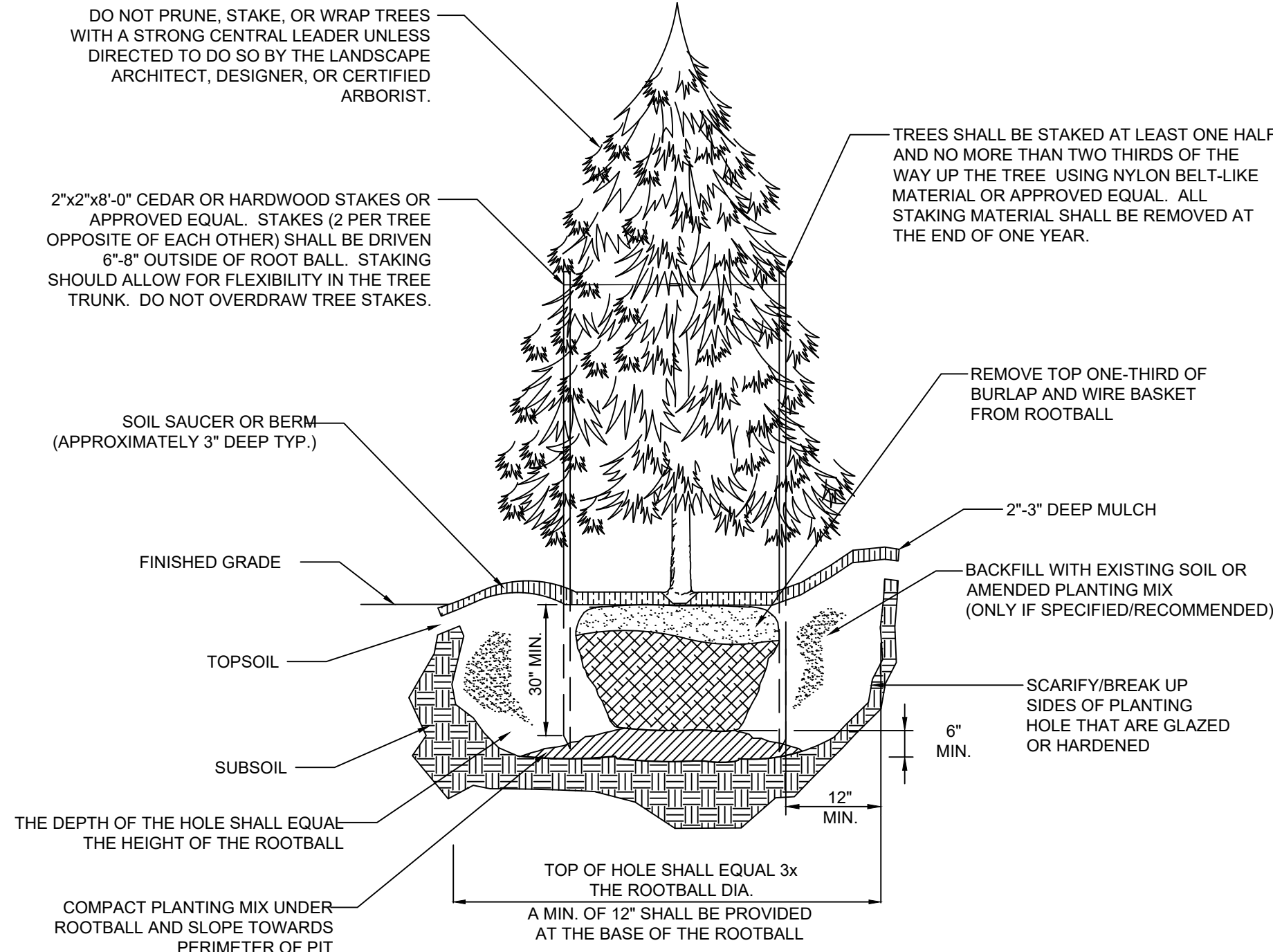


SHRUB PLANTING DETAIL

N.T.S.

NOTE:

- IN AREAS WITH MASS PLANTINGS, CONTINUOUS EXCAVATION AND MULCHING PRACTICES SHALL BE IMPLEMENTED WHENEVER POSSIBLE.
- IT IS NOT RECOMMENDED TO AMEND THE EXISTING SOIL BEFORE BACKFILLING THE HOLE UNLESS SOIL CONDITIONS ARE POOR FOR PLANTING.
- WATER THOROUGHLY TO HELP ENSURE THE REMOVAL OF AIR POCKETS.

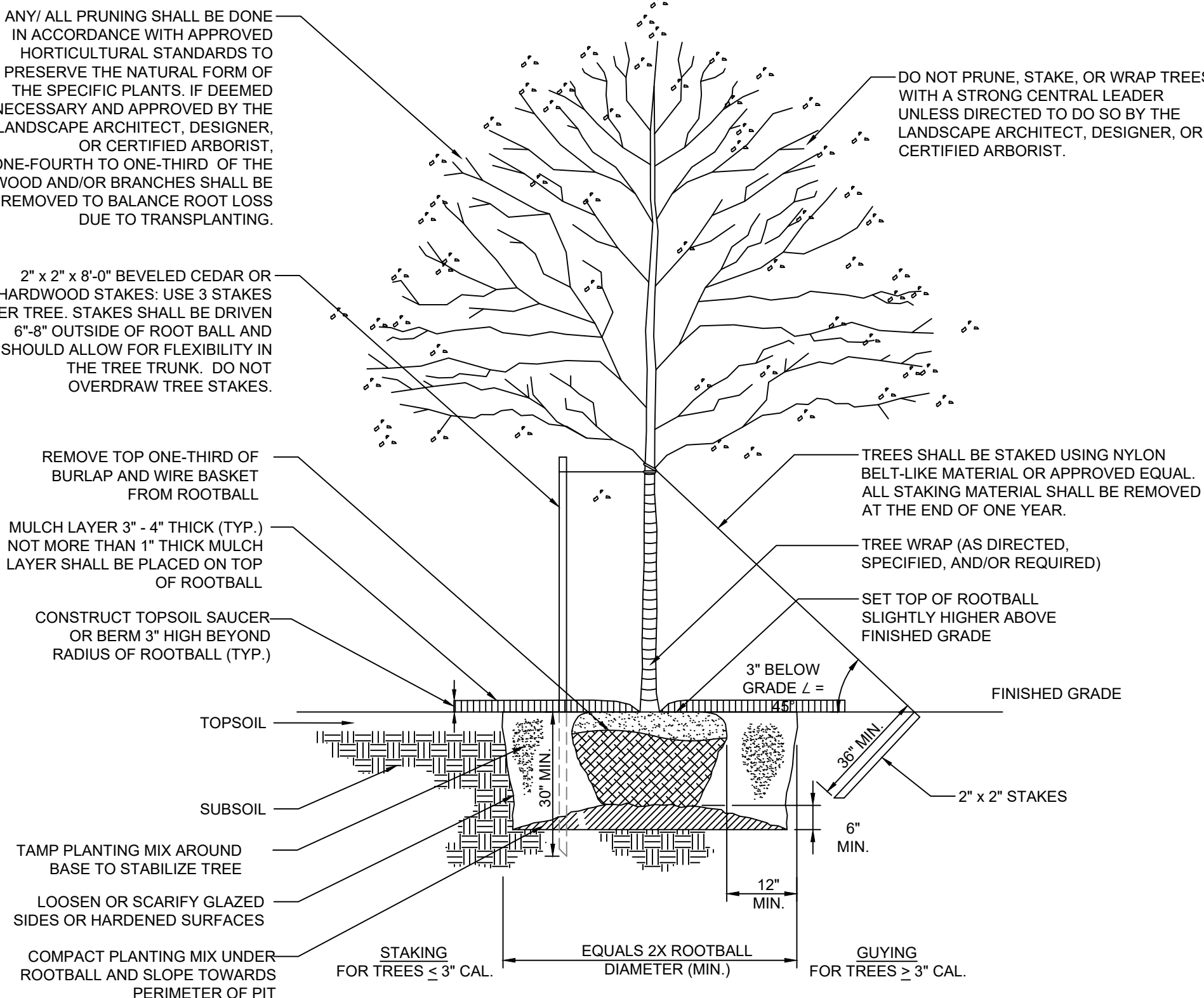


EVERGREEN TREE PLANTING DETAIL

N.T.S.

NOTES:

- TREE PLANTING SHALL BEAR SAME RELATIONSHIP TO FINISH GRADE AS IT WAS PRE-DUG IN THE NURSERY.
- NEVER CUT THE PRIMARY LEADER.
- IT IS NOT RECOMMENDED TO AMEND THE EXISTING SOIL BEFORE BACKFILLING THE HOLE UNLESS SOIL CONDITIONS ARE POOR FOR PLANTING.
- WATER THOROUGHLY TO HELP ENSURE THE REMOVAL OF AIR POCKETS AND PROPERLY SET THE TREE.



NATIVE/DECIDUOUS TREE PLANTING DETAIL

N.T.S.

NOTES:

- TREE PLANTING SHALL BEAR SAME RELATIONSHIP TO FINISH GRADE AS IT WAS PRE-DUG IN THE NURSERY.
- NEVER CUT THE PRIMARY LEADER.
- IT IS NOT RECOMMENDED TO AMEND THE EXISTING SOIL BEFORE BACKFILLING THE HOLE UNLESS SOIL CONDITIONS ARE POOR FOR PLANTING.
- WATER THOROUGHLY TO HELP ENSURE THE REMOVAL OF AIR POCKETS AND PROPERLY SET THE TREE.

LEGEND - TYPE A TOTALS

LANDSCAPE PLANTING SCHEDULE

VISUAL MITIGATION PLANTING TEMPLATE TYPE A

DECIDUOUS AND EVERGREEN TREES

SYMBOL	BOTANICAL NAME/ COMMON PLANT NAME	QUANTITY	SIZE	ROOT	MATURE HEIGHT
AC	AMELANCHIER CANADENSIS SERVICEBERRY	6	1" CAL. MIN.	B&B	15'-25' HT.
JV	JUNIPERUS VIRGINIANA EASTERN RED CEDAR	19	5'-6' HT.	B&B	40'-50' HT.
PG	PICEA GLAUCA WHITE SPRUCE	23	5'-6' HT.	B&B	40'-60' HT.
TO	THUJA OCCIDENTALIS NORTHERN WHITE CEDAR	17	5'-6' HT.	B&B	40'-50' HT.

SHRUBS

SYMBOL	BOTANICAL NAME/ COMMON PLANT NAME	QUANTITY	SIZE	ROOT	MATURE HEIGHT
AR	ARONIA ARBUTIFOLIA RED CHOKEBERRY	22	24"-30" HT.	#3/5 CONT.	7'-10' HT.
CS	CORNUS SERICEA RED TWIG DOGWOOD	21	24"-30" HT.	#3/5 CONT.	7'-9' HT.
HV	HAMAMELIS VIRGINIANA COMMON WITCH HAZEL	5	3'-4' HT.	B&B	15'-25' HT.
VT	VIBURNUM TRILOBUM AMERICAN CRANBERRY	15	24"-30" HT.	#3/5 CONT.	6'-12' HT.

NORTHEAST NATIVE GRASS SEED MIX

ROUNDSTONE NATIVE SEED - NY SOLAR NATIVE GRASS MIX					
MIX CONCENTRATION	BOTANICAL NAME	COMMON NAME	RATE (LBS/ACRE)	RATE (LBS/1000 FT²)	
27.27%	SIDE OATS GRAMA	BOUTELOUA CURTIPENDULA	11	.255	
11.36%	VIRGINIA WILD RYE	ELYMUS VIRGINICUS			
3.98%	NIMBLEWILL	MUHLENBERGIA SCHREBERI			
2.27%	TALL DROPSEED	SPOROBOLUS COMPOSITUS			
2.27%	PRAIRIE DROPSEED	SPOROBOLUS HETEROLEPIS			
2.27%	FRANK'S SEDGE	CAREX FRANKII			
2.27%	FOX SEDGE	CAREX VULPINOIDEA			
2.85%	JUNE GRASS	KOELERIA MACRANTHA			
9.10%	PURPLE TOP	TRIDENS FLAVUS			
36.36%	CREEPING RED FESCUE	FESTUCA RUBRA			
NURSE CROPS AND OTHER INTRODUCED SPECIES					
86.500%	OATS	AVENA SATIVA	37	.850	
8.100%	BROWN TOP MILLET	PANICUM RAMOSUM			
5.400%	ANNUAL RYE GRASS	LOLIUM MULTIFLORUM			
INCORPORATE NATIVE GRASS SEED, NURSE CROPS AND OTHER INTRODUCED SPECIES AT A RATE OF 48 LBS/ACRE OR 1.1 LBS/1000 FT²					

INCORPORATE NATIVE GRASS SEED, NURSE CROPS AND OTHER INTRODUCED SPECIES AT A RATE OF 48 LBS/ACRE OR 1.1 LBS/1000 FT²

NOTE: GRASS SEED MIXES ARE COMPRISED OF GRASSES THAT ARE NATIVE AND/OR INDIGENOUS TO THE AREA AND/OR CONSIDERED FAVORABLE FOR WILDLIFE HABITAT AND SUSTAINABLE GROWTH. ADDITIONALLY, THE SOLAR SEED MIX WAS DEVELOPED ESPECIALLY FOR NATIVE GRASS PLANTINGS AROUND SOLAR ARRAY FIELDS AND SHALL BE UTILIZED ACCORDINGLY. THESE GRASSES WILL MATURE OUT TO A HEIGHT OF APPROXIMATELY 2 TO 2 1/2 FEET HIGH. THERE ARE NO WILDFLOWER OR POLLINATOR SEED SPECIES CONTAINED IN THESE NATIVE GRASS SEED MIXES.

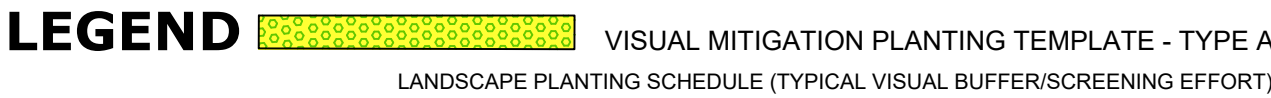
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SEAL:		UNDER NEW YORK STATE EDUCATION LAW ARTICLE 145 (ENGINEERING), SECTION 7209 (2), IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.		
1	JRP	03/22/2023	REVISED PER TOWN COMMENTS	TND
0	JRP	02/02/2023	ISSUED FOR PERMITTING	TND
NO.	BY	DATE	REVISION	APPD.
PROJECT: NY SOLAR 1001 LLC OLD MYERS SOLAR PROJECT MYERS CORNER RD, WAPPINGER, DUTCHESS CO., NY				
TITLE: LANDSCAPE NOTES & DETAILS				
DRAWN BY: JRP		PROJ. NO.: 488729		
CHECKED BY: TND				
APPROVED BY: TND				L-102
DATE: MARCH 2023				
FILE NO.: 488729 - LANDSCAPE.dwg				
249 Western Ave. Augusta, ME 04330 Phone: 207.621.7000 www.trccompanies.com				

USER: 24236 -- ATTACHED REF: 488729 -- PROPOSED: Xref Naturalist Survey, Final: Xref Planting Template -- ATTACHED IMAGES:
DRAWING NAME: \\lgausta-1p1\environmentalist\renewables\lic488729 - old myers solar - wagnerp, n\110-DWG\488729 - LANDSCAPE.dwg -- PLOT DATE: March 23, 2023 - 4:31PM -- LAYOUT: L-103 LANDSCAPE PLANTING TEMPLATE & SCHEDULES

LEGEND VISUAL MITIGATION
PLANTING TYPE "A":

1. SEE GENERAL SEEDING AND LANDSCAPE NOTES FOR ADDITIONAL PLANTING REQUIREMENTS AND SEED MIXTURES.
2. THE 20-FOOT-WIDE PROPOSED BUFFER TYPE "A" WILL BE A MIX OF NATIVE EVERGREEN TREES ARRANGED TO FORM A NATURAL APPEARANCE AND CONTINUOUS SOLID SCREEN. SEE THE PLANTING TEMPLATE FOR ARRANGE OF PLANTS AND THE PLANT SCHEDULES FOR TYPE AND SIZE.
3. SEE SHEET L102 FOR PLANT MATERIAL TOTALS



SYMBOL	BOTANICAL NAME/ COMMON PLANT NAME	QUANTITY	SIZE	ROOT	MATURE HEIGHT
AC	AMELANCHIER CANADENSIS SERVICEBERRY	3	1" CAL. MIN.	B&B	15-25' HT.
JV	JUNIPERUS VIRGINIANA EASTERN RED CEDAR	9	5'-6' HT.	B&B	40'-50' HT.
PG	PICEA GLAUCA WHITE SPRUCE	12	5'-6' HT.	B&B	40'-60' HT.
TO	THUJA OCCIDENTALIS NORTHERN WHITE CEDAR	11	5'-6' HT.	B&B	40'-50' HT.

SYMBOL	BOTANICAL NAME/ COMMON PLANT NAME	QUANTITY	SIZE	ROOT	MATURE HEIGHT
AR	ARONIA ARBUTIFOLIA RED CHOKEBERRY	11	24"-30" HT.	#3/5 CONT.	7'-10' HT.
CS	CORNUS SERICEA RED TWIG DOGWOOD	9	24"-30" HT.	#3/5 CONT.	7'-9' HT.
HV	HAMAMELIS VIRGINIANA COMMON WITCH HAZEL	3	3'-4" HT.	B&B	15'-25' HT.
VT	VIBURNUM TRILOBUM AMERICAN CRANBERRY	10	24"-30" HT.	#3/5 CONT.	6'-12' HT.

LANDSCAPE PLANTING SCHEDULE

SYMBOL	BOTANICAL NAME/ COMMON PLANT NAME	QUANTITY	SIZE	ROOT	MATURE HEIGHT
AC	AMELANCHIER CANADENSIS SERVICEBERRY	2	1" CAL. MIN.	B&B	15'-25' HT.
JV	JUNIPERUS VIRGINIANA EASTERN RED CEDAR	6	5'-6' HT.	B&B	40'-50' HT.
PG	PICEA GLAUCA WHITE SPRUCE	9	5'-6' HT.	B&B	40'-60' HT.
TO	THUJA OCCIDENTALIS NORTHERN WHITE CEDAR	6	5'-6' HT.	B&B	40'-50' HT.

SYMBOL	BOTANICAL NAME/ COMMON PLANT NAME	QUANTITY	SIZE	ROOT	MATURE HEIGHT
AR	ARONIA ARBUTIFOLIA RED CHOKEBERRY	8	24"-30" HT.	#3/5 CONT.	7'-10' HT.
CS	CORNUS SERICEA RED TWIG DOGWOOD	6	24"-30" HT.	#3/5 CONT.	7'-9' HT.
HV	HAMAMELIS VIRGINIANA COMMON WITCH HAZEL	2	3'-4' HT.	B&B	15'-25' HT.
VT	VIBURNUM TRILOBUM AMERICAN CRANBERRY	5	24"-30" HT.	#3/5 CONT.	6'-12' HT.

LANDSCAPE PLANTING SCHEDULE

SYMBOL	BOTANICAL NAME/ COMMON PLANT NAME	QUANTITY	SIZE	ROOT	MATURE HEIGHT
AC	AMELANCHIER CANADENSIS SERVICEBERRY	3	1" CAL. MIN.	B&B	15'-25' HT.
JV	JUNIPERUS VIRGINIANA EASTERN RED CEDAR	10	5'-6" HT.	B&B	40'-50' HT.
PG	PICEA GLAUCA WHITE SPRUCE	13	5'-6" HT.	B&B	40'-60' HT.
TO	THUJA OCCIDENTALIS NORTHERN WHITE CEDAR	11	5'-6" HT.	B&B	40'-50' HT.

SYMBOL	BOTANICAL NAME/ COMMON PLANT NAME	QUANTITY	SIZE	ROOT	MATURE HEIGHT
AR	ARONIA ARBUTIFOLIA RED CHOKEBERRY	11	24"×30" HT.	#3/5 CONT.	7'-10" HT.
CS	CORNUS SERICEA RED TWIG DOGWOOD	12	24"×30" HT.	#3/5 CONT.	7'-9" HT.
HV	HAMAMELIS VIRGINIANA COMMON WITCH HAZEL	3	3'-4" HT.	B&B	15'-29" HT.
VT	VIBURNUM TRILOBUM AMERICAN CRANBERRY	10	24"×30" HT.	#3/5 CONT.	6'-12" HT.

LANDSCAPE PLANTING SCHEDULE

SYMBOL	BOTANICAL NAME/ COMMON PLANT NAME	QUANTITY	SIZE	ROOT	MATURE HEIGHT
AC	AMELANCHIER CANADENSIS SERVICEBERRY	1	1" CAL. MIN.	B&B	15'-25' HT.
JV	JUNIPERUS VIRGINIANA EASTERN RED CEDAR	3	5'-6' HT.	B&B	40'-50' HT.
PG	PICEA GLAUCA WHITE SPRUCE	1	5'-6' HT.	B&B	40'-60' HT.
TO	THUJA OCCIDENTALIS NORTHERN WHITE CEDAR	0	5'-6' HT.	B&B	40'-50' HT.

SYMBOL	BOTANICAL NAME/ COMMON PLANT NAME	QUANTITY	SIZE	ROOT	MATURE HEIGHT
AR	ARONIA ARBUTIFOLIA RED CHOKEBERRY	3	24"-30" HT.	#3/5 CONT.	7'-10" HT.
CS	CORNUS SERICEA RED TWIG DOGWOOD	3	24"-30" HT.	#3/5 CONT.	7'-9" HT.
HV	HAMAMELIS VIRGINIANA COMMON WITCH HAZEL	0	3'-4" HT.	B&B	15'-25" HT.
VT	VIBURNUM TRILOBUM AMERICAN CRANBERRY	0	24"-30" HT.	#3/5 CONT.	6'-12" HT.

1. IT IS THE INTENT OF THESE PLANS THAT THE CONTRACTOR SHALL PRESERVE EXISTING VEGETATION TO THE MAXIMUM EXTENT PRACTICAL.
2. EXISTING CONDITIONS AS SHOWN HEREIN ARE BASED UPON BOUNDARY AND TOPOGRAPHIC SURVEYS PREPARED BY OTHERS. REFER TO PLAN REFERENCE NOTES ON SHEET C-100.

VM1 - VEGETATIVE BUFFER / SCREEN MITIGATION TABLE					
NUMBER	MITIGATION TYPE	LENGTH	LINE/CHORD DIRECTION	START EASTING, NORTHING	END EASTING, NORTHING
L1	TYPE A	195	S31° 46' 49.16"W	E:662428.2633, N:1009184.7249	E:662325.4664, N:1009018.8033

VM2 - VEGETATIVE BUFFER / SCREEN MITIGATION TABLE					
NUMBER	MITIGATION TYPE	LENGTH	LINE/CHORD DIRECTION	START EASTING, NORTHING	END EASTING, NORTHING
L2	TYPE A	159	S30° 18' 29.95"W	E:662287.1175, N:1008976.0602	E:662206.9024, N:1008838.8342
L3	TYPE A	124	S35° 27' 10.92"W	E:662206.9024, N:1008938.8342	E:662134.9374, N:1008737.7680
L4	TYPE A	37	S35° 27' 10.92"W	E:662234.9374, N:1008737.7680	E:662113.5888, N:1008707.7863

VM3 - VEGETATIVE BUFFER / SCREEN MITIGATION TABLE					
NUMBER	MITIGATION TYPE	LENGTH	LINE/CHORD DIRECTION	START EASTING, NORTHING	END EASTING, NORTHING
L5	TYPE A	22	S35° 27' 10.92"W	E:662086.0590, N:1008669.1240	E:662073.3584, N:1008651.2875
L6	TYPE A	23	N49° 52' 12.46"W	E:662073.3584, N:1008651.2875	E:662055.4709, N:1008666.3662

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SECTION 7209 (2), IT IS A VIOLATION OF
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1	JRP	03/22/2023	REVISED PER TOWN COMMENTS	TND
0	JRP	02/02/2023	ISSUED FOR PERMITTING	TND
NO.	BY	DATE	REVISION	APP'D.

OLD MYERS SOLAR PROJECT
MYERS CORNER RD, WAPPINGER, DUTCHESS CO., NY

LANDSCAPE PLANTING TEMPLATE & SCHEDULES

DRAWN BY:	JRP	PROJ. NO.:	488729
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CHECKED BY:	TND	
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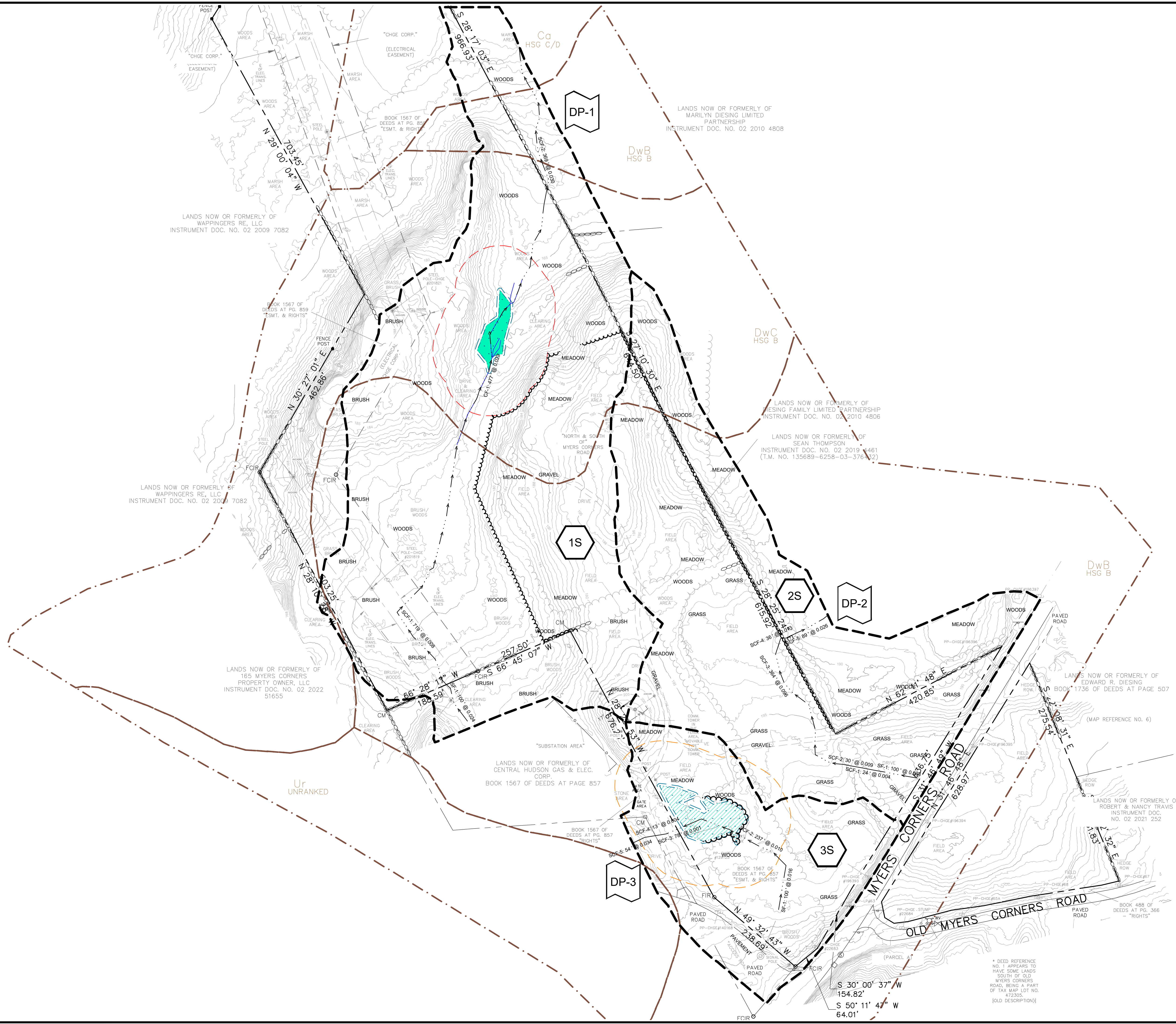
APPROVED BY: TND L-103

DATE: MARCH 2023



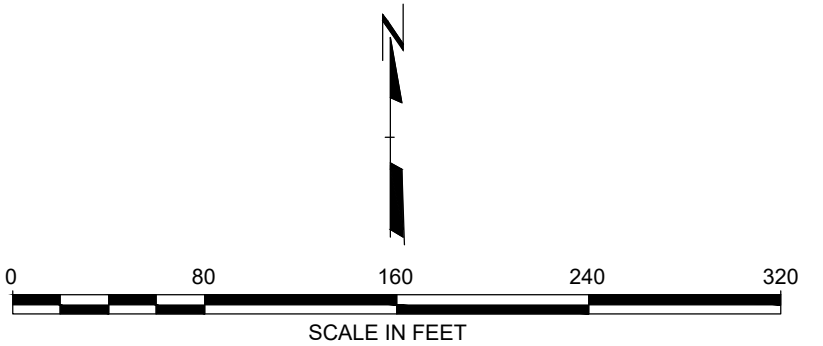
18729 - LANDSCAPE.d

2438 -- USER: Thelma -- ATTACHED: 08/23/2023 -- Ver. Survey File: 3rd NaturalResources - Revised, 08/23/2023 -- PROPOSED: 488729-NRCS-SOLS-488729-PROPOSED -- ATTACHED: 08/23/2023 --
DRAWING NAME: \\augusta-bp1\environmental\RD\env_rmd\project\lightstar_renewables\lca488729 - old myers solar - wappinger, ny\10-DWG\488729 - STORM HYDRO.dwg -- PLOT DATE: March 23, 2023 - 4:32PM -- LAYOUT: SW-100 PRE-DEVELOPMENT SUBCATCHMENT PLAN




LEGEND

- PROPERTY BOUNDARY
- SUBCATCHMENT BOUNDARY
- NRCS SOIL MAP UNITS & ID
- TIME OF CONCENTRATION FLOW PATH
- 1S SUBCATCHMENT NODE ID
- DP-1 ANALYSIS POINT NODE ID

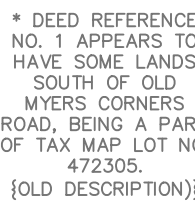


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PROJECT: NY SOLAR 1001 LLC OLD MYERS SOLAR PROJECT MYERS CORNER RD, WAPPINGER, DUTCHESS CO., NY					
TITLE: PRE-DEVELOPMENT SUBCATCHMENT PLAN					
DRAWN BY: JRP			PROJ. NO.: 488729		
CHECKED BY: TND			SW-100		
APPROVED BY: TND					
DATE: MARCH 2023					
 TRC			249 Western Ave. Augusta, ME 04330 Phone: 207.621.7000 www.trccompanies.com		
FILE NO.: 488729 - STORM HYDRO.dwg					



249 Western Ave.
Augusta, ME 04330
Phone: 207.621.7000
www.trccompanies.com



LEGEND	
	PROPERTY BOUNDARY
	SUBCATCHMENT BOUNDARY
	NRCS SOIL MAP UNITS & ID
	TIME OF CONCENTRATION FLOW PATH
	SUBCATCHMENT NODE ID
	ANALYSIS POINT NODE ID

SCALE IN FEET

ISSUED FOR PERMIT

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PROJECT: NY SOLAR 1001 LLC OLD MYERS SOLAR PROJECT MYERS CORNER RD, WAPPINGER, DUTCHESS CO., NY					
TITLE: POST-DEVELOPMENT SUBCATCHMENT PLAN					
DRAWN BY: JRP			PROJ. NO.: 488729		
CHECKED BY: TND			SW-200		
APPROVED BY: TND					
DATE: MARCH 2023					

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