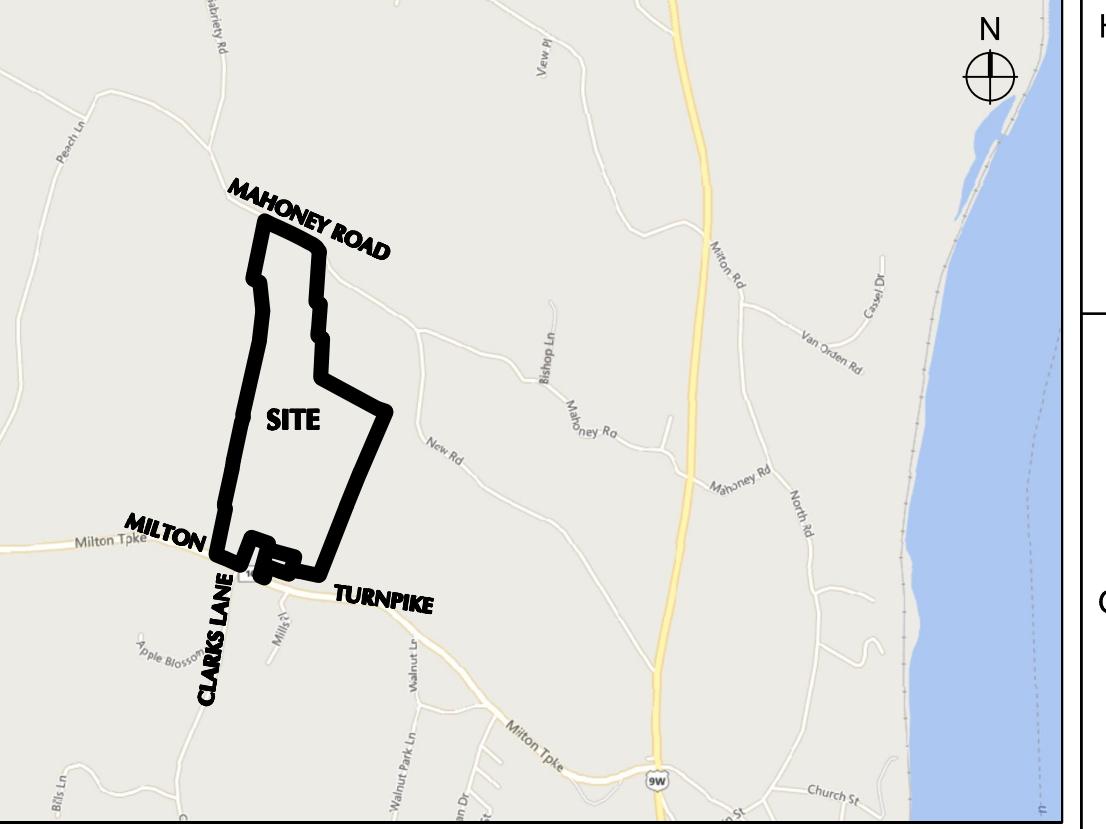
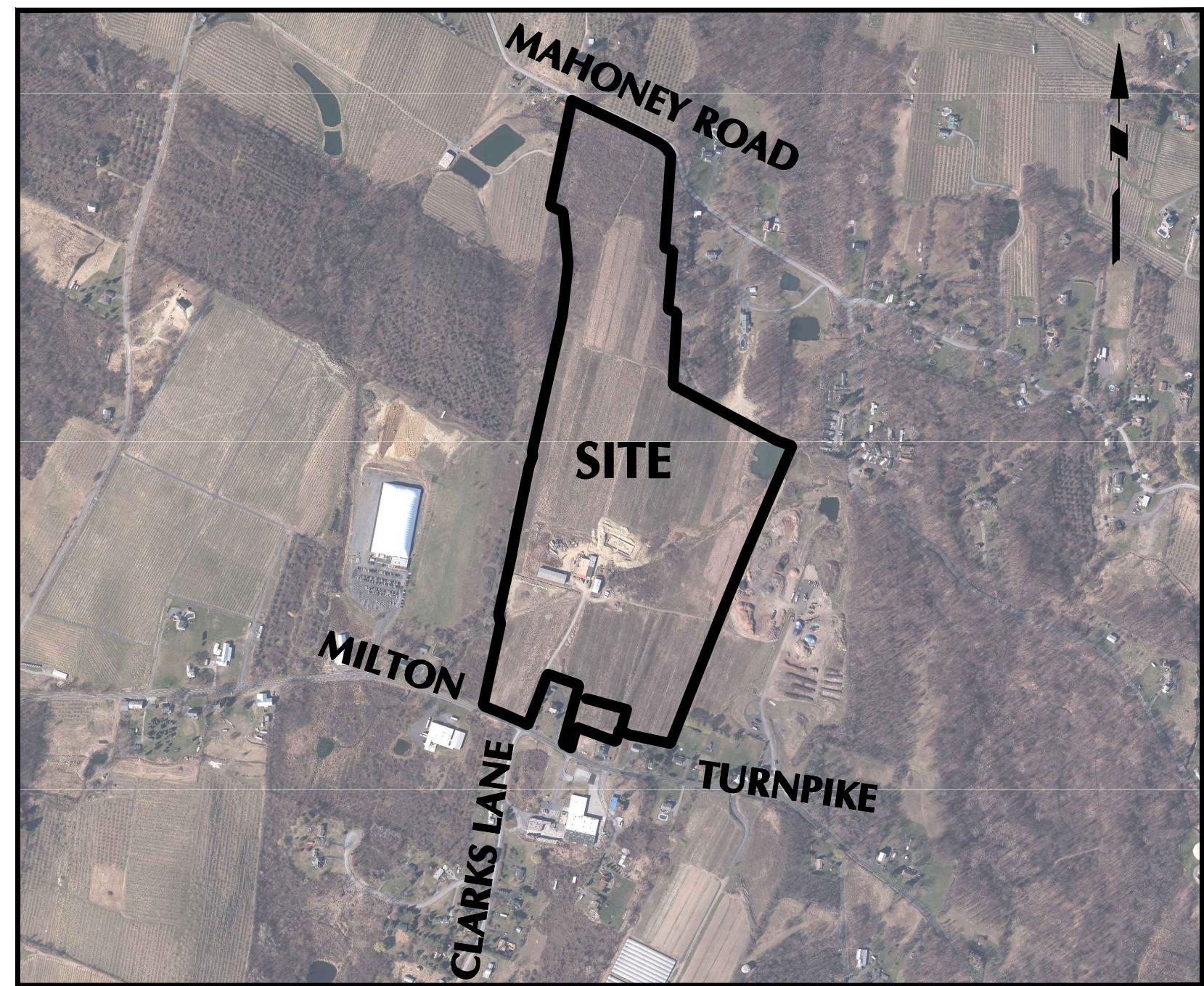
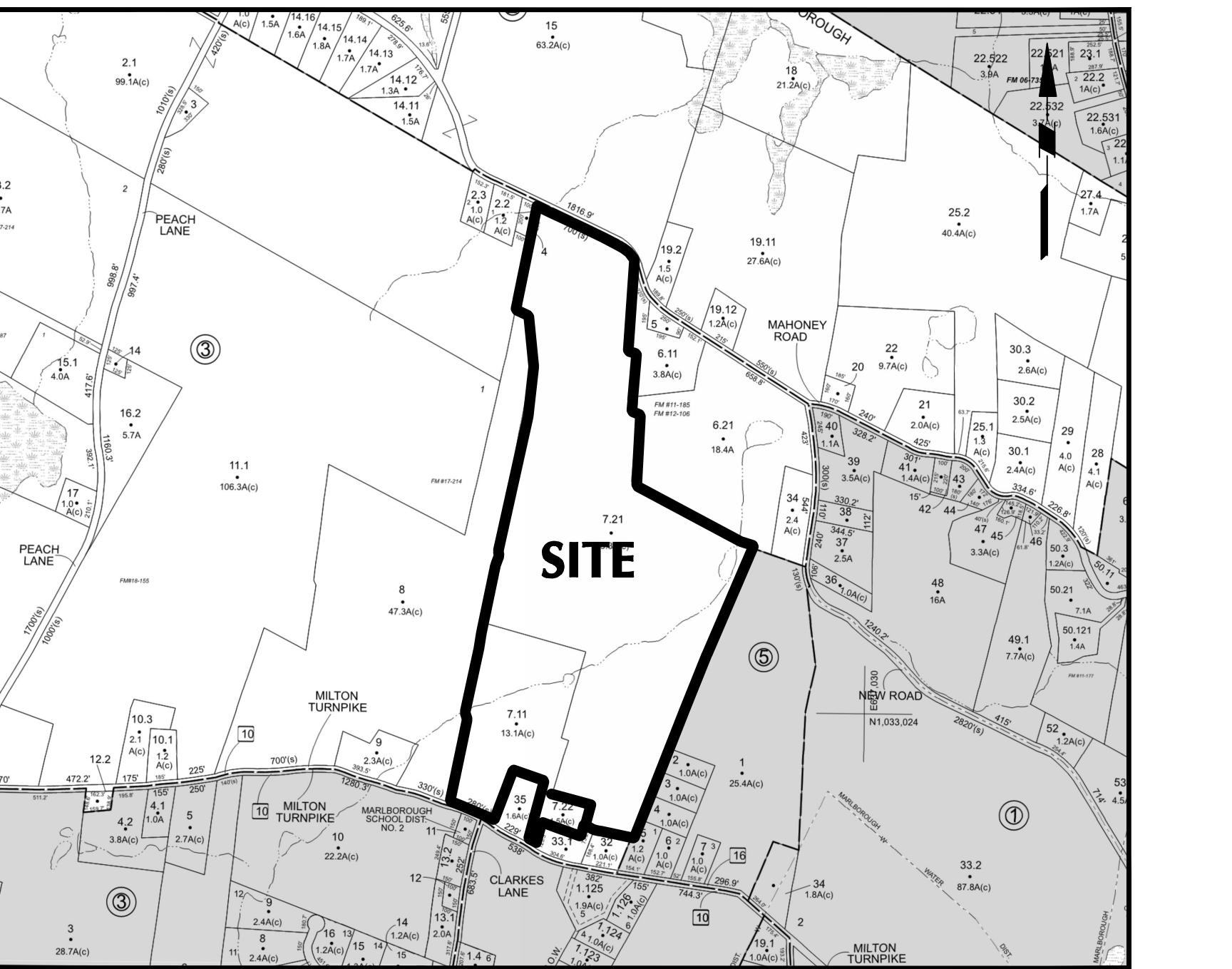
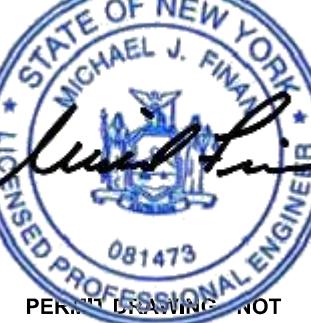
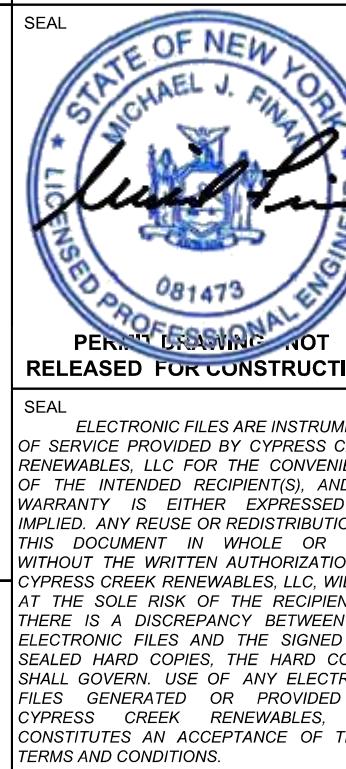


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H	<b>SITE PLAN APPROVAL DOCUMENTS</b> <b>INDEPENDENT SOLAR, LLC</b> <b>TOWN OF MARLBOROUGH</b> <b>ULSTER COUNTY, NEW YORK</b>										H																																							
G	 SCALE 1" = 2000'										G																																							
F	 <b>LOCATION MAP</b> 1"=800'										F																																							
E	 <b>TAX MAP</b> 1"=800'										E																																							
D	<b>SITE DATA</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>PIN # -</td><td>PROPERTY OWNER -</td><td>SITE ADDRESS -</td></tr> <tr> <td>95-4-3-7-210 95-4-3-7-110</td><td>INDEPENDENT SOLAR, LLC</td><td>206 MILTON TURNPIKE, MARLBOROUGH, NEW YORK</td></tr> <tr> <td>ZONING JURISDICTION -</td><td>ZONING -</td><td>ACRES -</td></tr> <tr> <td>TOWN OF MARLBOROUGH</td><td>RAG-1</td><td>78.0 ACRES</td></tr> <tr> <td>PROPOSED USE -</td><td>DISTURBED AREA</td><td>SOLAR AREA</td></tr> <tr> <td>4500 KW-dc LARGE SCALE SOLAR ENERGY SYSTEM</td><td>28.3 ACRES</td><td>14.9 ACRES</td></tr> <tr> <td>SITE IMPERVIOUS AREA</td><td colspan="2">PERCENT IMPERVIOUS COVERAGE</td></tr> <tr> <td>1.52 ACRES</td><td colspan="2">2.0%</td></tr> <tr> <td>PARCEL LINE SETBACKS</td><td colspan="2">REQUIRED DISTRICTS</td></tr> <tr> <td>MIN. FRONT YARD</td><td colspan="2">50 FEET MILTON FIRE DISTRICT</td></tr> <tr> <td>MIN. SIDE YARD (ONE)</td><td colspan="2">35 FEET MARLBORO SCHOOL DISTRICT</td></tr> <tr> <td>MIN. SIDE YARD (BOTH)</td><td colspan="2">80 FEET AG DISTRICT</td></tr> <tr> <td>MIN. REAR YARD</td><td colspan="2">75 FEET</td></tr> </table>										PIN # -	PROPERTY OWNER -	SITE ADDRESS -	95-4-3-7-210 95-4-3-7-110	INDEPENDENT SOLAR, LLC	206 MILTON TURNPIKE, MARLBOROUGH, NEW YORK	ZONING JURISDICTION -	ZONING -	ACRES -	TOWN OF MARLBOROUGH	RAG-1	78.0 ACRES	PROPOSED USE -	DISTURBED AREA	SOLAR AREA	4500 KW-dc LARGE SCALE SOLAR ENERGY SYSTEM	28.3 ACRES	14.9 ACRES	SITE IMPERVIOUS AREA	PERCENT IMPERVIOUS COVERAGE		1.52 ACRES	2.0%		PARCEL LINE SETBACKS	REQUIRED DISTRICTS		MIN. FRONT YARD	50 FEET MILTON FIRE DISTRICT		MIN. SIDE YARD (ONE)	35 FEET MARLBORO SCHOOL DISTRICT		MIN. SIDE YARD (BOTH)	80 FEET AG DISTRICT		MIN. REAR YARD	75 FEET		D
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C	<b>APPLICANT</b> INDEPENDENT SOLAR, LLC 3402 PICO BOULEVARD SANTA MONICA, CA 90405 TELEPHONE: 203-558-5602 CONTACT: NICK HAWVERMALE										C																																							
B	<b>CIVIL ENGINEER</b> LANGAN ENGINEERING, ENVIRONMENTAL, SURVEYING, LANDSCAPE ARCHITECTURE, AND GEOLOGY D.P.C. 1 NORTH BROADWAY SUITE 910 WHITE PLAINS, NY 10601 TEL: 914-323-7400 CONTACT: CHRISTINA M. ZOLEZI, PE										B																																							
A	<b>SURVEYOR</b> LAWSON SURVEYING & MAPPING 2959 COUNTY ROUTE 8 ONEONTA, NY 13820 TEL: 607-432-3300 CONTACT: ROBERT J. LAWSON, L.S.										A																																							
	<b>WETLAND CONSULTANT</b> TRC COMPANIES, INC. 10 MAXWELL DRIVE, SUITE 20000 CLIFTON PARK, NY 12065 TEL: 518-348-1190																																																	
	<b>TOWN OF MARLBOROUGH OWNER CONCURRENCES</b> THE UNDERSIGNED OWNER(S) OF THE PROPERTY SHOWN HEREIN CERTIFY THAT THEY ARE FAMILIAR WITH THIS MAP AND ITS NOTES AND CONTENTS AS STATED HEREON INCLUDING ALL CONDITIONS OF APPROVAL. OWNER _____ DATE _____																																																	
	<b>TOWN OF MARLBOROUGH PLANNING BOARD APPROVAL</b> DATE: 02/07/2020 DRAWN BY: EK CHECKED BY: CZ																																																	
	<b>SITE COVER SHEET</b> CS100																																																	
	<b>CYPRESS CREEK RENEWABLES</b>  3402 PICO BLVD, SANTA MONICA, CA 90405																																																	
	SEAL  * MICHAEL J. FINAN 081473 PERMIT NUMBER NOT RELEASED FOR CONSTRUCTION																																																	
	SEAL ELECTRONIC FILES ARE INSTRUMENTS OF RECORD PROVIDED BY CYPRESS CREEK RENEWABLES, LLC FOR THE CONVENIENCE OF THE INTENDED RECIPIENTS, AND NO WARRANTY IS MADE AS TO THE ACCURACY IMPLIED. ANY REUSE OR REDISTRIBUTION OF THIS DOCUMENT IN WHOLE OR PART WITHOUT THE WRITTEN CONSENT OF CYPRESS CREEK RENEWABLES, LLC, WILL BE IN VIOLATION OF LAW. IF THERE IS A DISCREPANCY BETWEEN THE ELECTRONIC FILES AND THE SIGNED AND SEALED DOCUMENTS, THE SIGNED AND SEALED DOCUMENTS SHALL GOVERN. USE OF ANY ELECTRONIC FILES GENERATED OR PROVIDED BY CYPRESS CREEK RENEWABLES, LLC, CONSTITUTES AN ACCEPTANCE OF THESE TERMS AND CONDITIONS.																																																	
	<b>CONSULTANT</b>  LANGAN 1 North Broadway, Suite 910, White Plains, NY 10601 T: 914-323-7400 F: 914-323-7401 www.langan.com Langan Engineering, Environmental, Surveying, Landscape Architecture, and Geology D.P.C. Langan Engineers, Architects, Surveyors, Landscapers, and Geologists. Langan is a registered service mark of Langan Engineering & Architecture, Inc.																																																	





CONSULTANT  
**LANGAN**  
Langan Engineering, Environmental, Surveying, Landmark Architecture and Consulting, Inc.  
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Langan Engineers, Environmental, Surveying, Landmark Architecture and Consulting, Inc.  
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Langan Engineers, Environmental, Surveying, Landmark Architecture and Consulting, Inc.

PROJECT	REVISIONS	DESCRIPTION
1. 03/20/20	1.	GENERAL REVISIONS PER CONTRACT
2. 07/09/20	2.	PLANNING BOARD SUBMISSION
3. 08/19/20	3.	REVISIONS PER TOWN COMMENTS

C-200

James Mannese  
(reputed owner)  
L 4418 P 292  
95.4-3-6.11

James J. Mannese  
and  
Bridget L. Mannese  
(reputed owners)  
L 5608 P 168  
95.4-3-6.21

Allstate Apple Exchange, Inc.  
(reputed owner)  
L 1240 P 599  
95.4-3-2.1

Moriarty Services, Inc.  
(reputed owner)  
L 5485 P 282  
103.1-5-1

Moriarty Services, Inc.  
(reputed owner)  
L 5485 P 282  
103.1-5-2

Moriarty Services, Inc.  
(reputed owner)  
L 5485 P 282  
103.1-5-3

Moriarty Services, Inc.  
(reputed owner)  
L 5485 P 282  
103.1-5-4

95.4-3-7.21

Hudson Valley Domicile, LLC  
(reputed owner)  
L 3016 P 219  
95.4-3-8

#### ZONING COMPLIANCE TABLE

PROPERTY ADDRESS:	206 MILTON TURNPIKE		
TAX PARCEL:	95.4-3-7.210 & 95.4-3-7.110		
ZONING DISTRICT:	RAG-1		
SITE USE:	LARGE SCALE SOLAR ENERGY SYSTEM		
ITEM	REQUIRED/PERMITTED	EXISTING	PROPOSED
MIN. LOT SIZE <sup>(1)</sup>	1 ACRE	78.0 ACRES	78.0 ACRES
MIN. FRONT YARD SETBACK <sup>(1)</sup>	50 FEET	—	151.9 FEET
MIN. SIDE YARD SETBACK (ONE) <sup>(1)</sup>	35 FEET	—	48.5 FEET
MIN. SIDE YARD SETBACK (BOTH) <sup>(1)</sup>	80 FEET	—	162.5 FEET
MIN. REAR YARD SETBACK <sup>(1)</sup>	75 FEET	—	108.3 FEET
NOTE:	1. REQUIREMENTS PER CHAPTER 155 ZONING.		

#### UTILITY NOTES

- THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE CONTRACTOR IS NOT RESPONSIBLE FOR THE ACCURACY OF THESE RECORDS. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS IN A MANNER WHICH WILL NOT NEGATIVELY AFFECT ANY EXISTING USERS OF THESE UTILITIES.
- THE CONTRACTOR SHALL VERIFY ALL EXISTING UTILITY (WATER, SEWER, GAS, ELECTRIC, TELEPHONE AND CABLE) LOCATIONS, INVERTS, ELEVATIONS AND CONDITIONS PRIOR TO CONSTRUCTION. ANY CONSTRUCTION ACTIVITIES, PROBLEMS, OR UNEXPECTED CONDITIONS ENCOUNTERED DURING MODIFICATIONS TO THE SITE DESIGN SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE CONSTRUCTION. DIFFERING UTILITY CONDITIONS THAT ARE ENCOUNTERED BY THE CONTRACTOR, THAT REQUIRE MODIFICATION OF SITE DESIGN AND THAT ARE NOT BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CORRECT AT HIS SOLE COST.
- THE LOCATION OF EXISTING ELECTRIC LINES ARE APPROXIMATE. THE CONTRACTOR MUST COORDINATE WITH LOCAL UTILITY COMPANIES FOR ADDITIONAL INFORMATION. ALL PROPOSED ELECTRICAL WORK, TRANSFORMER PADS, AND ASSOCIATED APPURTENANCES WILL BE IN CONFORMANCE WITH APPLICABLE LOCAL, COUNTY, STATE AND FEDERAL GUIDELINES AND REQUIREMENTS.
- MIN. DEPTH OF COVER OVER ELECTRIC SERVICES SHALL BE TWO (2) FT.
- PROVIDE A KNOX BOX AT EACH GATED ENTRANCE FOR FIRE DEPARTMENT USE.

#### GENERAL SITE NOTES

- THE CONTRACTOR SHALL FURNISH, INSTALL, TEST AND COMPLETE ALL WORK TO THE SATISFACTION OF THE ENGINEER AND OWNER IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION AS SUCH, THESE PLANS DO NOT COMPLETELY REPRESENT, NOR ARE THEY INTENDED TO REPRESENT, THE SPECIFICATIONS REQUIRED FOR SITEWORK CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE TO ENSURE ALL IMPROVEMENTS DEPICTED ON THESE PLANS IN ACCORDANCE WITH ALL APPLICABLE RULES, REGULATIONS AND LAWS IN EFFECT AT THE TIME OF CONSTRUCTION.
- THE CONTRACTOR SHALL ACCEPT THE SITE AS IS. THE CONTRACTOR SHALL ASSESS CONDITIONS, AND THE KIND, QUALITY AND QUANTITY OF WORK REQUIRED. THE OWNER AND ENGINEER MAKE NO GUARANTEE IN REGARD TO THE ACCURACY OF ANY INFORMATION THAT WAS OBTAINED DURING INVESTIGATIONS. THE CONTRACTOR SHALL MAKE A THOROUGH SITE INSPECTION IN ORDER TO FIELD CHECK EXISTING SITE CONDITIONS, CORRELATE CONDITIONS WITH THE DRAWINGS, AND RESOLVE ANY POSSIBLE CONSTRUCTION CONFLICTS WITH THE OWNER AND ENGINEER PRIOR TO COMMENCEMENT OF WORK. THE CONTRACTOR SHALL PERFORM ADDITIONAL TOPOGRAPHIC SURVEYS IF HE/SHE DEEMS NECESSARY. PROVIDED THEY ARE COORDINATED WITH THE OWNER, ANY CONDITIONS DETERMINED BY THE CONTRACTOR THAT DIFFER FROM THE INFORMATION SHOWN ON THE DRAWINGS, THAT ARE NOT BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER PRIOR TO THE START OF WORK SHALL NOT BE CONSIDERED A CONFLICT FOR CONTRACTUAL PAYMENT OR CHANGES TO THE CONTRACT DURATION, OR ANY OTHER CLAIMS AGAINST THE OWNER OR OWNER'S ENGINEER.
- THE CONTRACTOR SHALL, WHEN HE/SHE DEEMS NECESSARY, PROVIDE A WRITTEN REQUEST FOR INFORMATION (RFI) TO THE OWNER AND/OR OWNER'S DESIGNATED REPRESENTATIVE, AND ENGINEER PRIOR TO THE CONSTRUCTION OF ANY SPECIFIC SITEWORK ITEM. THE (RFI) SHALL BE IN A FORM ACCEPTABLE TO OWNER AND/OR OWNER'S ENGINEER.
- THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT ALL CONSTRUCTION STAKEOUT FOR THIS PROJECT MUST BE COMPLETED FROM THE SITE SPECIFIC SURVEY CONTROL (HORIZONTAL AND VERTICAL) UPON WHICH THE DESIGN IS BASED. THE CONTRACTOR SHOULD NOT RELY ON OR RE-ESTABLISH SURVEY CONTROL BY GPS OR OTHER METHODS FOR USE IN CONSTRUCTION STAKEOUT OR ANY OTHER PURPOSE FOR THIS PROJECT. ANY DISCREPANCIES BETWEEN THE EXISTING HORIZONTAL OR VERTICAL DATA SHOWN ON THESE DRAWINGS AND THAT ENCOUNTERED IN THE FIELD MUST BE REPORTED TO THE DESIGN TEAM PRIOR TO CONSTRUCTION FOR RESOLUTION.

OWNER'S DESIGNATED REPRESENTATIVE, AND ENGINEER AND SHALL ALLOW FOR A MINIMUM OF THREE WORK DAYS FOR A WRITTEN REPLY. RFIS SHALL BE NUMBERED CONSECUTIVELY BY DATE SUBMITTED. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR SITEWORK ITEMS CONSTRUCTED DIFFERENTLY THAN INTENDED OR AS DEPICTED ON THE PLANS.

4. INFORMATION RELATED TO ELEVATIONS AND PROPOSED UTILITIES (SUCH AS ROADWAY GRADES, INVERT ELEVATIONS, RIM ELEVATIONS, GRATE ELEVATIONS, BUILDING FINISHED FLOOR ELEVATIONS, ETC.) MAY BE FOUND IN MORE THAN ONE LOCATION IN THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL SUFFICIENTLY REVIEW ALL PLANS, PROFILES, AND OTHER INFORMATION IN THE CONTRACT DOCUMENTS FOR CONSTRUCTION PRIOR TO BID AND INCONVENiences OR DISCREPANCIES MAY BE FOUND. THE CONTRACTOR ON HIS/HERS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER IN WRITING, IN THE FORMAT OF AN RFI PRIOR TO BID.

5. THERE ARE ADDITIONAL NOTES, SPECIFICATIONS AND REQUIREMENTS CONTAINED THROUGHOUT THE PLAN SET AS WELL AS REFERENCES TO SPECIFICATIONS FROM APPLICABLE GOVERNING AUTHORITIES AND INDUSTRY STANDARDS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN, REVIEW AND ADHERE TO ALL THESE DOCUMENTS.

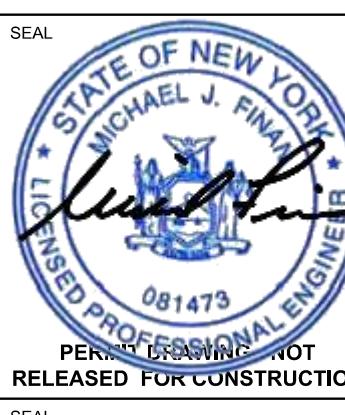
6. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT ALL CONSTRUCTION STAKEOUT FOR THIS PROJECT MUST BE COMPLETED FROM THE SITE SPECIFIC SURVEY CONTROL (HORIZONTAL AND VERTICAL) UPON WHICH THE DESIGN IS BASED. THE CONTRACTOR SHOULD NOT RELY ON OR RE-ESTABLISH SURVEY CONTROL BY GPS OR OTHER METHODS FOR USE IN CONSTRUCTION STAKEOUT OR ANY OTHER PURPOSE FOR THIS PROJECT. ANY DISCREPANCIES BETWEEN THE EXISTING HORIZONTAL OR VERTICAL DATA SHOWN ON THESE DRAWINGS AND THAT ENCOUNTERED IN THE FIELD MUST BE REPORTED TO THE DESIGN TEAM PRIOR TO CONSTRUCTION FOR RESOLUTION.

EXISTING CONDITIONS	PROPOSED CONDITIONS
PROPERTY LINES	LIMIT OF DISTURBANCE
ADJACENT PROPERTY LINES	LoD LoD
DEED LINES	SECURITY FENCE
EASEMENT LINES	OHE
ELECTRICAL, TELEPHONE & CABLE LINE	UGE
EQUIPMENT PAD	PERMEABLE HAUL ROAD
WETLAND	SETBACK LINE

GRAPHIC SCALE	NORTH
 SCALE IN FEET	







SEAL  
ELECTRONIC FILES ARE INSTRUMENTS  
OF SERVICE PROVIDED BY CYPRESS CREEK  
RENEWABLES LLC FOR THE CONVENIENCE  
OF THE INTENDED RECIPIENTS, AND  
NO WARRANTY IS MADE AS TO THE ACCURACY  
OR MERCHANTABILITY OF THE INFORMATION  
IMPLIED. ANY REUSE OR REDISTRIBUTION  
OF THIS DOCUMENT IN WHOLE OR PART  
WITHOUT THE WRITTEN CONSENT OF  
CYPRESS CREEK RENEWABLES LLC WILL BE  
CONSTRUED AS A VIOLATION OF LAW.  
IF THERE IS A DISCREPANCY BETWEEN THE  
ELECTRONIC FILES AND THE SIGNED AND  
SEALED DOCUMENTS, THE SIGNED AND  
SEALED DOCUMENTS SHALL GOVERN.  
CYPRESS CREEK RENEWABLES LLC  
CONSTITUTES AN ACCEPTANCE OF THESE  
TERMS AND CONDITIONS.

CONSULTANT  
Langan Engineering, Environmental, Surveying, Landmark Architecture and Consulting DPC, Inc.  
Langan Engineers, Environmental, Surveying, Landmark Architecture and Consulting DPC, Inc.  
Langan Engineering, Environmental, Surveying, Landmark Architecture and Consulting DPC, Inc.  
Langan Engineering, Environmental, Surveying, Landmark Architecture and Consulting DPC, Inc.

PROJECT	REVISIONS	DESCRIPTION
	1. 03/20/20	GENERAL REVISIONS PER CLIENT
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	3. 08/19/20	REVISIONS PER TOWN COMMENTS

LANDSCAPING

CONSTRUCTION

STRUCTURE

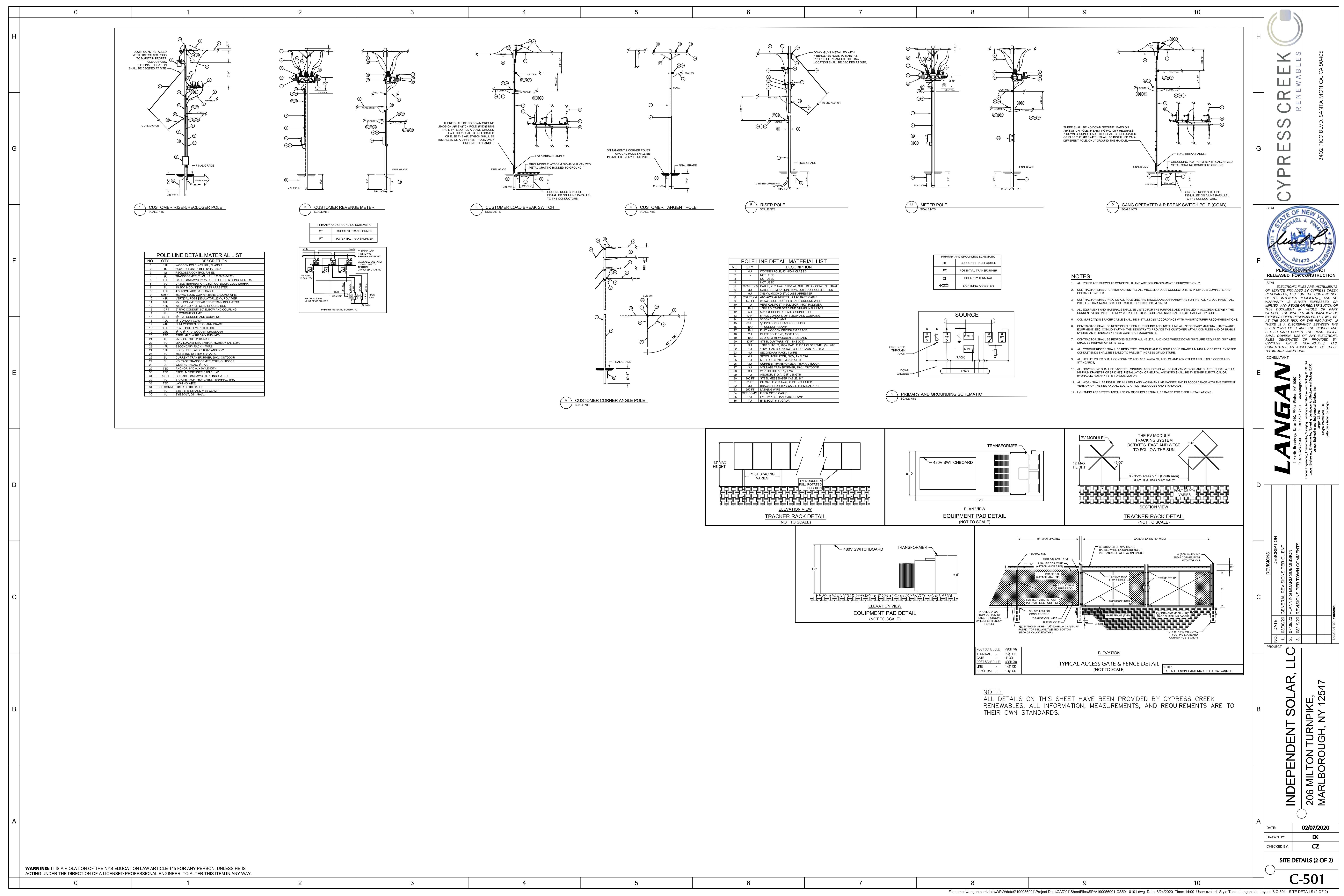
WATER

SEWER

POWER

TELECOM





# LANDSCAPE NOTES

HERBICIDES WILL BE USED IN OR NEAR THE FRESH WATER WETLANDS.

# CYPRESS CREEK

BENEWA BLES

RENEWABLES

3402 PICO BLVD, SANTA MONICA, CA 90405

# LANGAN

1 North Broadway, Suite 910, White Plains, NY 10601

T: 914.323.7400 F: 914.323.7401 [www.langan.com](http://www.langan.com)

Langen Engineering and Environmental Services, Inc.  
Langen CT, Inc.  
Langen International LLC

Collectively known as Langam

NO.	DATE	DESCRIPTION
1.	03/30/20	GENERAL REVISIONS PER CLIENT
2.	07/09/20	PLANNING BOARD SUBMISSION
3	08/19/20	REVISIONS PER TOWN COMMENTS

10 of 10

LANGAN NO. 150056501

# INDEPENDENT SOLAR,

206 MILLION SPIKE

200 WHEELING AVENUE  
MARLBOROUGH, NY 12547

LANDS  
L-

SCAPE  
-10  
LANDSCAPE

THE PLAN  
100  
THE PLAN

NS

## PLANT SCHEDULE

KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	REMARKS
<b>EVERGREEN TREE(S)</b>						
ABC	90	ABIES CONCOLOR	WHITE FIR	6-8'	B+B	-
PIAB	72	PICEA ABIES	NORWAY SPRUCE	6-8'	B+B	-
PS	51	PINUS STROBUS	EASTERN WHITE PINE	6-8'	B+B	-

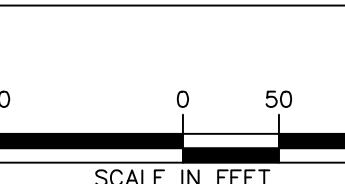
NOTE:  
1. IF ANY DISCREPANCIES OCCUR BETWEEN AMOUNTS SHOWN IN THE PLAN AND THE PLANT LIST, THE PLAN SHALL DICTATE.  
2. TREES WILL BE PLANTED IN OVEREXCAVATED TREE PITS AND BACKFILLED WITH AMENDED PLANTING SOILS PER THE PLANTING SOIL SPECIFICATIONS AND PLANTING DETAILS ON SHEET L-500.

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## GRAPHIC SCALE

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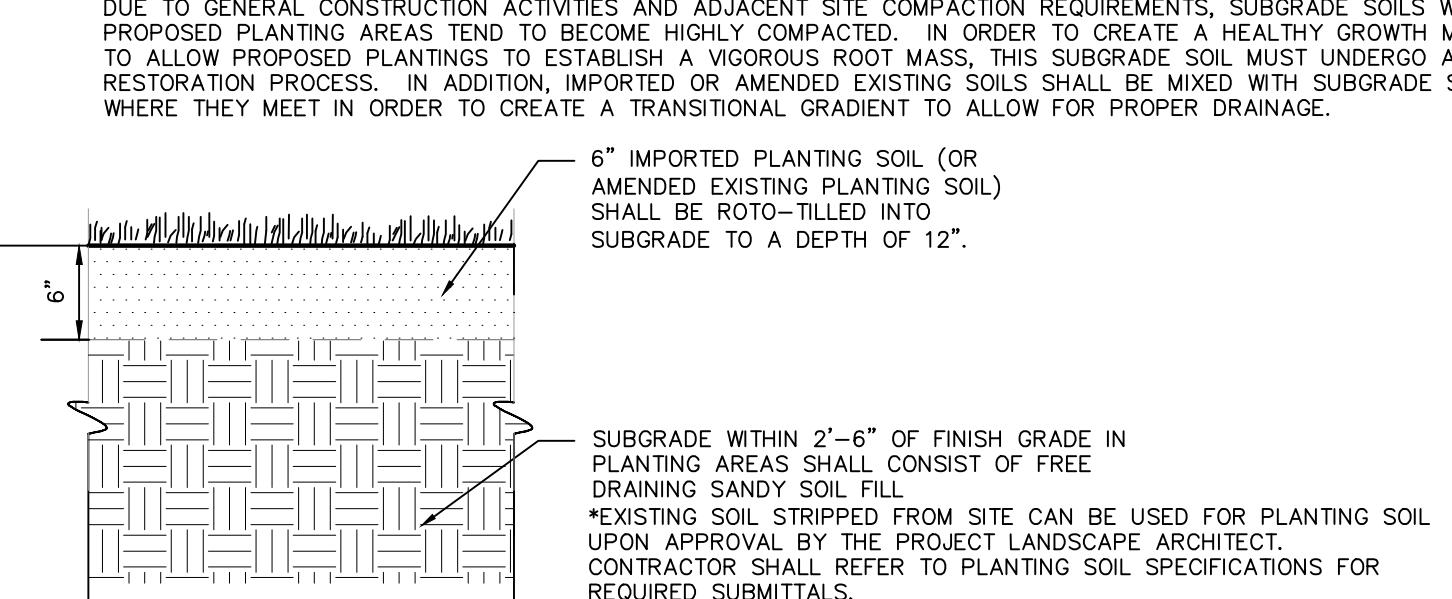
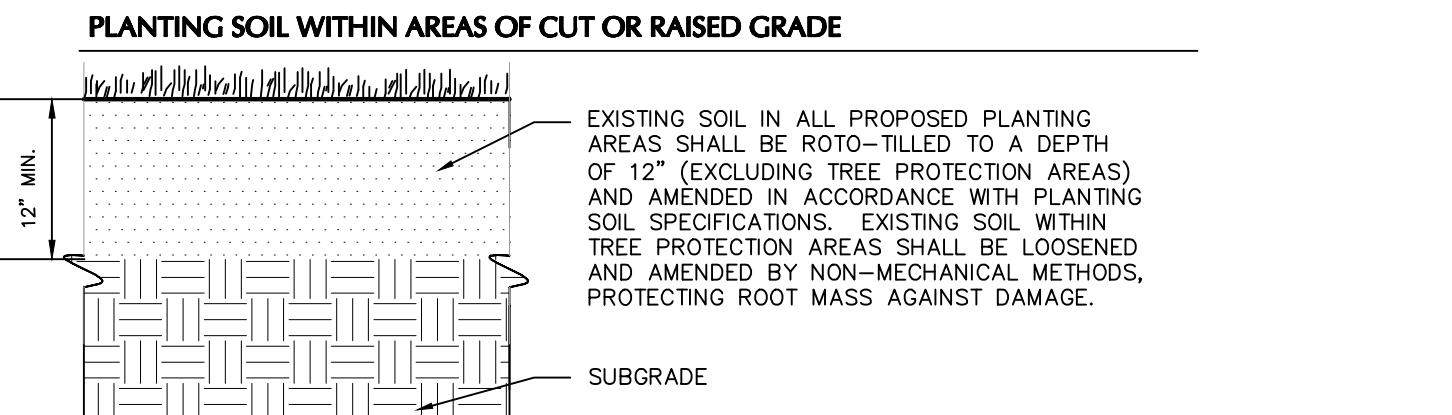
NORTH



# LANDSCAPE PLANS

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# L-100

	0	1	2	3	4	5	6	7	8	9	10
H	<p><b>GENERAL NOTE:</b> DUE TO GENERAL CONSTRUCTION ACTIVITIES AND ADJACENT SITE COMPACTION REQUIREMENTS, SUBGRADE SOILS WITHIN PROPOSED PLANTING AREAS TEN FEET TO BECOME HIGHLY COMPACTED. IN ORDER TO CREATE A HEALTHY GROWTH MEDIUM TO FOLLOW PROPOSED PLANTING, THE SUBGRADE MASS MUST BE AMENDED AND UNDERGO A RESTORATION PROCESS. IN ADDITION, IMPORTED OR AMENDED EXISTING SOILS SHALL BE MIXED WITH SUBGRADE SOILS WHERE THEY MEET IN ORDER TO CREATE A TRANSITIONAL GRADIENT TO ALLOW FOR PROPER DRAINAGE.</p>  <p><b>PLANTING SOIL WITHIN AREAS OF CUT OR RAISED GRADE</b></p>  <p><b>PLANTING SOIL WITHIN AREAS OF UNCHANGED GRADE</b></p> <p>NOTES:</p> <ol style="list-style-type: none"> <li>CONTRACTOR IS RESPONSIBLE TO SEND SAMPLES OF EXISTING SOILS INTENDED FOR USE IN PLANTING AREAS (1 PER 500 CY) TO TESTING LABORATORY OR UNIVERSITY COOPERATIVE EXTENSION FOR TESTING. ALL TESTING COSTS ARE AT THE CONTRACTOR'S EXPENSE.</li> <li>RECYCLED CRUSHED CONCRETE AND ASPHALT MILLINGS SHALL NOT BE PLACED WITHIN 2'-6" OF FINISH GRADE IN PROPOSED LANDSCAPE AREAS.</li> <li>IMPORTED FILL SHALL CONTAIN NO CONTAMINATION IN EXCEDENCE OF THE APPLICABLE STATE ENVIRONMENTAL STANDARDS AND MEET THE ENVIRONMENTAL REQUIREMENTS FOR THE PROJECT. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION OF COMPLIANCE PRIOR TO DELIVERY OF ANY FILL TO THE SITE.</li> <li>CONTRACTOR TO LIGHTLY COMPACT ALL PLACED PLANTING SOILS AND RAISE GRADES ACCORDINGLY TO ALLOW FOR FUTURE SETTLEMENT OF PLANTING SOILS (TYPE.)</li> <li>NO STONES, WOOD CHIPS, OR DEBRIS LARGER THAN 1/2" SHALL BE ACCEPTABLE WITHIN PLANTING AREAS.</li> </ol> <p><b>1 PLANTING SOIL</b></p>										
G	<p><b>GENERAL LANDSCAPE PLANTING NOTES</b></p> <ol style="list-style-type: none"> <li>1. NAMES OF PLANTS AS DESCRIBED ON THIS PLAN CONFORM TO THOSE GIVEN IN "STANDARDIZED PLANT NAMES", 1942 EDITION, PREPARED BY THE AMERICAN JOINT COMMITTEE ON HORTICULTURAL NOMENCLATURE. NAMES OF PLANT VARIETIES NOT INCLUDED THEREIN CONFORM TO NAMES GENERALLY ACCEPTED IN NURSERY TRADE.</li> <li>2. ALL EXPOSED GROUND SURFACES THAT ARE NOT PAVED WITHIN THE CONTRACT LIMIT LINE, AND THAT ARE NOT COVERED BY LANDSCAPE PLANTING OR SEEDING AS SPECIFIED, SHALL BE COVERED BY A NATURAL MULCH THAT WILL PREVENT SOIL EROSION AND THE EMANATION OF DUST.</li> <li>3. NO PLANT SHALL BE PUT INTO THE GROUND BEFORE ROUGH GRADING HAS BEEN COMPLETED AND APPROVED BY THE PROJECT LANDSCAPE ARCHITECT OR PROJECT ENGINEER.</li> <li>4. STANDARDS FOR TYPE, SPREAD, HEIGHT, ROOT BALL AND QUALITY OF NEW PLANT MATERIAL SHALL BE IN ACCORDANCE WITH GUIDELINES AS SET FORTH IN THE "AMERICAN STANDARD FOR NURSERY STOCK", PUBLISHED BY THE AMERICAN NURSERY AND LANDSCAPE ASSOCIATION. PLANT MATERIAL SHALL HAVE NORMAL HABIT OF GROWTH AND BE HEALTHY, VIGOROUS, AND FREE FROM DISEASES AND INSECT INFESTATION.</li> <li>5. NEW PLANT MATERIAL SHALL BE NURSERY GROWN UNLESS SPECIFIED OTHERWISE. ALL PLANTS SHALL BE SET PLUMA AND SHALL BEAR THE SAME RELATIONSHIP TO FINISHED GRADE AS THE PLANT'S ORIGINAL GRADE BEFORE DIGGING. PLANT MATERIAL OF THE SAME SPECIES AND SPECIFIED AS THE SAME SHOULD BE SIMILAR IN SHAPE, COLOR, AND HABIT. THE LANDSCAPE ARCHITECT SHALL HAVE THE RIGHT TO REJECT PLANT MATERIAL THAT DOES NOT CONFORM TO THE TYPICAL OR SPECIFIED HABIT OF THAT SPECIES.</li> <li>6. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UNDERGROUND UTILITY AND SEWER LINES PRIOR TO THE START OF EXCAVATION ACTIVITIES. NOTIFY THE PROJECT ENGINEER AND OWNER IMMEDIATELY OF ANY CONFLICTS WITH PROPOSED PLANTING LOCATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE.</li> <li>7. THE CONTRACTOR SHALL NOT MAKE SUBSTITUTIONS. IF THE SPECIFIED LANDSCAPE MATERIAL IS NOT OBTAINABLE, THE CONTRACTOR SHALL SUBMIT PROOF OF NON-AVAILABILITY TO THE LANDSCAPE ARCHITECT AND OWNER, TOGETHER WITH A WRITTEN PROPOSAL FOR USE OF AN EQUIVALENT MATERIAL.</li> <li>8. LANDSCAPE CONTRACTOR TO STAKE OUT PLANTING LOCATIONS, FOR REVIEW AND APPROVAL BY THE LANDSCAPE ARCHITECT AND/OR OWNER BEFORE PLANTING WORK BEGINS. THE LANDSCAPE ARCHITECT AND/OR OWNER SHALL DIRECT THE CONTRACTOR IN THE FINAL PLACEMENT OF ALL PLANT MATERIAL AND LOCATION OF PLANTING BEDS TO ENSURE COMPLIANCE WITH DESIGN INTENT UNLESS OTHERWISE INSTRUCTED.</li> <li>9. THE LANDSCAPE ARCHITECT MAY REVIEW PLANT MATERIALS AT THE SITE, BEFORE PLANTING, FOR COMPLIANCE WITH REQUIREMENTS FOR GENUS, SPECIES, VARIETY, SIZE, AND QUALITY. THE LANDSCAPE ARCHITECT RETAINS THE RIGHT TO FURTHER REVIEW PLANT MATERIALS FOR SIZE AND CONDITION OF BALES, PLANTING SYSTEMS, PLANTING BEDS, AND PLANT MATERIALS AND TO REJECT UNACCEPTABLE OR DEFECTIVE MATERIAL AT ANY TIME DURING PROGRESS OF WORK. THE CONTRACTOR SHALL REMOVE REJECTED PLANT MATERIALS IMMEDIATELY FROM PROJECT SITE AS DIRECTED BY THE LANDSCAPE ARCHITECT OR OWNER.</li> <li>10. DELIVERY, STORAGE, AND HANDLING <ul style="list-style-type: none"> <li>A. PACKAGED MATERIALS: PACKAGED MATERIALS SHALL BE DELIVERED IN CONTAINERS SHOWING WEIGHT, ANALYSIS, AND NAME OF MANUFACTURER. MATERIALS SHALL BE PROTECTED FROM DEGRADATION DURING DELIVERY, AND WHILE STORED AT SITE.</li> <li>B. TREES AND SHRUBS: THE CONTRACTOR SHALL PROVIDE TREES AND SHRUBS DUG FOR THE GROWING SEASON FOR WHICH THEY WILL BE PLANTED. DO NOT PRUNE PRIOR TO DELIVERY UNLESS OTHERWISE DIRECTED BY THE LANDSCAPE ARCHITECT. DO NOT BEND OR BIND-TIE TREES OR SHRUBS IN SUCH A MANNER AS TO DAMAGE BARK, BREAK BRANCHES, OR DESTROY NATURAL SHAPE. PROVIDE PROTECTIVE COVERING DURING TRANSIT. DO NOT DROP BALLED AND BURLAPPED STOCK DURING DELIVERY OR HANDLING.</li> <li>C. ALL PLANTS SHALL BE BALLED AND BURLAPPED OR CONTAINER GROWN AS SPECIFIED. NO CONTAINER GROWN STOCK WILL BE ACCEPTED IF IT IS ROOT BOUND. ALL ROOTBALL WRAPPING AND BINDING MATERIAL MADE OF SYNTHETICS OR PLASTICS SHALL BE REMOVED FROM THE TOP OF THE BALL. AT THE TOP OF THE PLANTING HOLE, THE WIRE BASKET SHALL BE REMOVED AND THE BASKET AROUND THE ROOT BALL. THE WIRE BASKET SHALL BE CUT AND FOLDED DOWN 6 INCHES INTO THE PLANTING HOLE. WITH CONTAINER GROWN STOCK, THE CONTAINER SHALL BE REMOVED AND THE ROOT BALL SHALL BE CUT THROUGH THE SURFACE IN TWO LOCATIONS.</li> <li>D. THE CONTRACTOR SHALL HAVE TREES AND SHRUBS DELIVERED TO SITE AFTER PREPARATIONS FOR PLANTING HAVE BEEN COMPLETED AND PLANT IMMEDIATELY. IF PLANTING IS DELAYED MORE THAN 6 HOURS AFTER DELIVERY, THE CONTRACTOR SHALL SET TREES AND SHRUBS IN SHADE, PROTECT FROM WEATHER AND MECHANICAL DAMAGE AND KEEP ROOTS MOIST BY COVERING WITH MULCH, BURLAP OR OTHER ACCEPTABLE MEANS OF RETAINING MOISTURE.</li> </ul> </li> <li>11. ALL LANDSCAPED AREAS TO BE CLEARED OF ROCKS, STUMPS, TRASH AND OTHER UNSIGHTLY DEBRIS. ALL FINE GRADED AREAS SHOULD BE HAND RAKED SMOOTH ELIMINATING ANY CLUMPS AND UNEVEN SURFACES PRIOR TO PLANTING OR MULCHING.</li> <li>12. ALL PLANT MATERIAL SHALL BE INSTALLED AS PER DETAILS, NOTES AND CONTRACT SPECIFICATIONS. THE LANDSCAPE ARCHITECT MAY REVIEW INSTALLATION AND MAINTENANCE PROCEDURES.</li> <li>13. ALL PLANTINGS AND PLANTING AREAS SHALL BE PERMANENTLY MAINTAINED. NEW PLANT MATERIAL SHALL BE GUARANTEED TO BE ALIVE AND IN VIGOROUS GROWING CONDITION FOR A PERIOD OF TWO YEARS FOLLOWING ACCEPTANCE BY THE OWNER. PLANT MATERIAL FOUND TO BE UNHEALTHY, DYING OR DEAD DURING THIS PERIOD, SHALL BE REMOVED AND REPLACED IN KIND BY THE CONTRACTOR AT NO EXPENSE TO THE OWNER.</li> <li>14. THE CONTRACTOR SHALL KEEP AREA CLEAN DURING DELIVERY AND INSTALLATION OF PLANT MATERIALS. REMOVE AND DISPOSE OF OFF-SITE ANY ACCUMULATED DEBRIS OR UNUSED MATERIALS. REPAIR DAMAGE TO ADJACENT AREAS CAUSED BY LANDSCAPE INSTALLATION OPERATIONS.</li> <li>15. ALL PLANTS SHALL BE WATERED THOROUGHLY TWICE DURING THE FIRST 24- HOUR PERIOD AFTER PLANTING. ALL PLANTS SHALL THEN BE WATERED WEEKLY OR AS REQUIRED BY SITE AND WEATHER CONDITIONS TO MAINTAIN VIGOROUS AND HEALTHY PLANT GROWTH.</li> <li>16. THE BACKFILL MIXTURE AND SOIL MIXES TO BE INSTALLED PER THE SPECIFICATIONS.</li> <li>17. THE CONTRACTOR SHALL BECOME FAMILIAR WITH THE SITE AND SUBGRADE DRAINAGE OR PERCOLATION CHARACTERISTICS, WHETHER THE SUBGRADE SOILS ARE EXISTING TO REMAIN OR IMPORTED AND PLACED. CONTRACTOR TO PROVIDE POSITIVE VERTICAL DRAINS THROUGHOUT PLANTED AREAS. DISCREPANCIES SHALL BE ADDRESSED WITH THE PROJECT LANDSCAPE ARCHITECT PRIOR TO PURCHASING PLANT MATERIALS.</li> <li>18. AFTER PLANT IS PLACED IN TREE PIT LOCATION, ALL TWINE HOLDING ROOT BALL TOGETHER SHOULD BE COMPLETELY REMOVED AND THE BURLAP SHOULD BE PULLED DOWN SO 1/3 OF THE ROOT BALL IS EXPOSED. SYNTHETIC BURLAP SHOULD BE COMPLETELY REMOVED AFTER INSTALLATION.</li> <li>19. MULCH SHALL BE A FIBROUS SHREDDED HARDWOOD MULCH. MULCH SHOULD NOT BE PILED UP AROUND THE TRUNK OF ANY PLANT MATERIAL. NO MULCH OR TOPSOIL SHOULD BE TOUCHING THE BASE OF THE TRUNK ABOVE THE ROOT COLLAR.</li> <li>20. ALL FENCE AND GUIDE RAIL INSTALLATIONS SHALL BE COMPLETED PRIOR TO COMMENCEMENT OF ANY LANDSCAPE PLANTING, LAWN AND GRASSES, OR IRRIGATION WORK.</li> <li>21. FOR ANY DISCREPANCIES BETWEEN THE PLANT SCHEDULE AND PLANTING PLAN THE GRAPHIC QUANTITY SHOWN SHALL GOVERN.</li> <li>22. PLANT MATERIALS SHALL NOT BE PLANTED UNTIL THE FINISHED GRADING HAS BEEN COMPLETED.</li> <li>23. ALL PLANT INSTALLATIONS SHALL BE COMPLETED EITHER BETWEEN APRIL 1 - JUNE 15 OR AUGUST 15 - NOVEMBER 1, UNLESS OTHERWISE DIRECTED BY THE PROJECT LANDSCAPE ARCHITECT. SEE LAWN SEEDING DATES IN SEEDING NOTES.</li> <li>24. LANDSCAPE PUNCH LIST SITE VISITS TO BE PERFORMED BY THE PROJECT LANDSCAPE ARCHITECT, IF UNDER CONTRACT FOR SUCH WORK WILL NOT BE SCHEDULED UNTIL CONFIRMATION IS RECEIVED THAT ALL PROPOSED LANDSCAPE ITEMS HAVE BEEN INSTALLED, OR DEFICIENCIES NOTED IN THE PRIOR PUNCH LIST REPORT HAVE BEEN CORRECTED. THE PUNCH LIST SITE VISIT WILL THEN BE PERFORMED WITHIN TO BUSINESS DAYS.</li> </ol> <p><b>LANDSCAPE MAINTENANCE NOTES</b></p> <ol style="list-style-type: none"> <li>1. MAINTENANCE OPERATIONS BEFORE APPROVAL: <ul style="list-style-type: none"> <li>A. PLANT CARE SHALL BEGIN IMMEDIATELY AFTER EACH PLANT IS SATISFACTORILY INSTALLED AND SHALL CONTINUE THROUGHOUT THE LIFE OF THE CONTRACT UNTIL FINAL ACCEPTANCE OF THE PROJECT.</li> <li>B. CARE SHALL INCLUDE, BUT NOT BE LIMITED TO, REPLACING MULCH THAT HAS BEEN DISPLACED BY EROSION OR WEATHER, REPAIRING AND RELOCATING PLANTING HOLE SAUCERS, MAINTAINING STAKES AND GUYS AS ORIGINALLY INSTALLED, REPLACING WHEN NEEDED OR DIRECTED, AND PERFORMING ANY OTHER WORK REQUIRED TO KEEP THE PLANTS IN A HEALTHY CONDITION.</li> <li>C. CONTRACTOR SHALL REMOVE AND REPLACE ALL DEAD, DEFECTIVE AND/OR REJECTED PLANTS AS REQUIRED BEFORE FINAL ACCEPTANCE.</li> </ul> </li> <li>2. MAINTENANCE DURING CONSTRUCTION: <ul style="list-style-type: none"> <li>A. MAINTENANCE SHALL BEGIN IMMEDIATELY AFTER PLANTING. PLANTS SHALL BE WATERED, MULCHED, WEEDED, PRUNED, SPRAYED, FERTILIZED, AND TREATED AS OTHERS MAY REQUIRE AND PROTECTED UNTIL PROPERLY SECURED. PLANTS SHALL BE RESTORED TO PROPER GRADE AND PLANTED. PLANTING SAUCER RESTORED AND DEAD MATERIAL REMOVED. STAKES AND WIRES SHALL BE TIGHTENED AND REPAIRED. DEFECTIVE WORK SHALL BE CORRECTED AS SOON AS POSSIBLE AFTER IT BECOMES APPARENT AND WEATHER PERMITS.</li> <li>B. IF A SUBSTANTIABLE NUMBER OF PLANTS IS SICKLY OR DEAD AT THE TIME OF INSPECTION, ACCEPTANCE SHALL NOT BE GRANTED AND THE CONTRACTOR'S RESPONSIBILITY FOR MAINTENANCE OF ALL PLANTS SHALL BE EXTENDED UNTIL REPLACEMENTS ARE MADE OR EXISTING PLANTS ARE DEEMED ACCEPTABLE BY THE LANDSCAPE ARCHITECT.</li> <li>C. ALL PLANT MATERIALS SHALL BE PLANTS OF THE SAME KIND AND SIZE SPECIFIED ON THE PLANT LIST. THEY SHALL BE FURNISHED AND PLANTED AS SPECIFIED ABOVE. THE COST SHALL BE BORNE BY THE CONTRACTOR. REPLACEMENTS RESULTING FROM REMOVAL, LOSS, OR DAMAGE DUE TO OCCUPANCY OF THE PROJECT IN ANY PART, VANDALISM, PHYSICAL DAMAGE BY ANIMALS, VEHICLES, ETC., AND LOSSES DUE TO CURTAILMENT OF WATER BY LOCAL AUTHORITIES SHALL BE APPROVED AND PAID FOR BY THE OWNER.</li> <li>D. PLANTS SHALL BE GUARANTEED FOR A PERIOD OF TWO YEARS AFTER INSPECTION AND PROVISIONAL ACCEPTANCE.</li> <li>E. AT THE END OF THE ESTABLISHMENT PERIOD, INSPECTION SHALL BE MADE AGAIN. ANY PLANT REQUIRED UNDER THIS CONTRACT THAT IS DEAD OR UNSATISFACTORY TO THE LANDSCAPE ARCHITECT OR OWNER SHALL BE REMOVED FROM THE SITE. THESE SHALL BE REPLACED DURING THE NORMAL PLANTING SEASON.</li> </ul> </li> </ol>										
H	<p><b>PLANTING SOIL SPECIFICATIONS</b></p> <p>PLANTING SOIL SHOULD BE FRIABLE, FERTILE, WELL DRAINED, FREE OF DEBRIS, TOXINS, TRASH AND STONES OVER 1/2" DIA., IT SHOULD HAVE A HIGH ORGANIC CONTENT SUITABLE TO SUSTAIN HEALTHY PLANT GROWTH AND SHOULD LOOK AESTHETICALLY PLEASING HAVING NO NOXIOUS odors.</p> <p><b>PLANTING SOIL:</b> CONTRACTOR SHALL TEST SOILS AND FURNISH SAMPLES UPON REQUEST. PACKAGED MATERIALS SHALL BE UNOPENED BAGS OR CONTAINERS, EACH BEARING A NAME, GUARANTEE, AND TRADEMARK OF THE PRODUCER, MATERIAL COMPOSITION, MANUFACTURER'S CERTIFIED ANALYSIS, AND THE WEIGHT OF THE MATERIALS. SOIL OR AMENDMENT MATERIALS SHALL BE STORED ON SITE TEMPORARILY IN STOCKPILES PRIOR TO PLACEMENT AND SHALL BE PROTECTED FROM INTRUSION OF CONTAMINANTS AND EROSION. AFTER MIXING, SOIL MATERIALS SHALL BE COVERED WITH A TARPANUL IN TIME OF ACTUAL USE.</p> <p><b>THE FOLLOWING TESTING SHOULD BE PERFORMED AND RESULTS GIVEN TO THE LANDSCAPE ARCHITECT FOR APPROVAL BEFORE INSTALLATION:</b></p> <ol style="list-style-type: none"> <li>PARTICLE SIZE ANALYSIS: LOAMY SAND: 70-85% SAND, 15-30% SILT AND CLAY</li> <li>FEEDING ANALYSIS: pH (5.5-6.5), SOLUBLE SALTS (0.25-0.60 MICRO-OHMS/CM), NITRATE, PHOSPHATE, POTASSIUM, CALCIUM AND MAGNESIUM</li> <li>ORGANIC MATTER CONTENT: 7-10%</li> <li>MATERIAL DRAINAGE RATE: 60% PASSING IN 2 MINUTES, 40% RETAINED</li> </ol> <p>ORGANIC MATTER AS A SOIL AMENDMENT: LEAF MOLD WITH 60-90% ORGANIC CONTENT BY WEIGHT, SHREDDED LEAF LITTER, COMPOSTED FOR A MINIMUM OF 1 YR. SHOULD BE FREE OF DEBRIS, STONES OVER 1/2", WOOD CHIPS OVER 1".</p> <p><b>SOL AMENDMENT FOR PLANT MATERIAL:</b> SOIL IN BEDS AND PLANTING ISLANDS OTHER THAN BACKFILL MATERIAL AND TOPSOIL, SHOULD BE FRIABLE, WELL DRAINED, AND FREE OF DEBRIS, INCLUDING STONES AND TRASH.</p> <p><b>-AMENDMENTS FOR BACK FILL IN TREE AND SHRUB PITS:</b></p> <ol style="list-style-type: none"> <li>GROUND LIMESTONE (WITH A MIN. OF 88% OF CALCIUM AND MAGNESIUM CARBONATES) USED PENDING RESULTS OF SOIL ANALYSIS.</li> <li>BRING pH LEVELS TO 6.5 FOR NON-ERICACOUS PLANTS</li> <li>BRING pH LEVELS TO 4.5 MIN. TO 5 FOR ERICACOUS PLANTS</li> </ol> <p><b>B. TERRA-SORB BY PLANT HEALTH CARE® 800-421-9051 (SEE MANUFACTURER RECOMMENDATIONS)</b></p> <p><b>C. MYCOR-ROOT SAVER BY PLANT HEALTH CARE® 800-421-9051 (SEE MANUFACTURER RECOMMENDATIONS)</b> USED IN BACKFILL MIXTURE WITH TREES.</p> <p><b>6. CLEAN SOIL FILL IN LANDSCAPE AREAS:</b> LANDSCAPE FILL MATERIAL SHALL HAVE THE PHYSICAL PROPERTIES OF A SANDY LOAM WITH AN ORGANIC CONTENT OF LESS THAN 2% AND A PH BETWEEN 5 - 7.</p> <p><b>7. SOIL CONDITIONING:</b> CONTRACTOR TO PROVIDE SIX INCHES (6") MINIMUM DEPTH PLANTING SOIL LAYER IN LAWN AREAS, TWELVE INCHES (12") MINIMUM DEPTH PLANTING SOIL LAYER IN GROUNDCOVER AND PERENNIAL AREAS, EIGHTEEN INCHES (18") MINIMUM DEPTH PLANTING SOIL LAYER IN SHRUB AREAS, AND THIRTY-SIX INCHES (36") MINIMUM DEPTH PLANTING SOIL LAYER IN TREE PLANTING AREAS. PLANTING SOIL SHOULD BE SPREAD OVER A PREPARED SURFACE IN SIX INCH (6") LISTS UNTIL FULL DEPTHS ARE ACHIEVED AS DESCRIBED ABOVE. PLANTING SOIL PRESENT AT THE SITE, IF ANY, MAY BE USED TO SUPPLEMENT TOTAL AMOUNT REQUIRED. CONTRACTOR TO TURN OVER SOIL UTILIZED AS PLANTING SOIL IN PLANTING AREAS ADDED TO THE TOTAL PLANTING SOIL LEVEL AS SPECIFIED IN AN APPROVABLE PLANTING PLAN LOWER PH USING ELEMENTAL SULFUR ONLY. PEAT MOSS OR COPPER SULFATE MAY NOT BE USED. GROUND LIMESTONE AS A SOIL AMENDMENT MATERIAL WILL ONLY BE USED PENDING RESULTS OF SOIL ANALYSIS. PROVIDE WITH MINIMUM 88% CALCIUM AND MAGNESIUM CARBONATES AND SHALL HAVE TOTAL 100% PASSING THE 10 MESH SIZE, MINIMUM 90% PASSING 20 MESH SIZE, AND MINIMUM 60% PASSING 100 MESH SIZE. ALL DEBRIS EXPOSED FROM EXCAVATION AND CULTIVATION SHALL BE DISPOSED OF AT THE CONTRACTOR'S EXPENSE.</p> <p><b>SOIL MODIFICATIONS (PENDING RESULTS OF SOIL ANALYSIS):</b> THOROUGHLY TILL ORGANIC MATTER (LEAF COMPOST) INTO THE TOP 6 TO 12 IN. OF MOST PLANTING SOILS TO IMPROVE THE SOIL'S ABILITY TO RETAIN WATER AND NUTRIENTS. ALL PRODUCTS SHOULD BE COMPOSTED TO A DARK COLOR AND BE FREE OF PIECES WITH IDENTIFIABLE LEAF OR WOOD STRUCTURE. AVOID MATERIAL WITH A pH HIGHER THAN 7. PEAT MOSS MAY NOT BE USED AS ORGANIC MATTER AMENDMENT.</p> <p><b>MODIFY HEAVY CLAY OR SILT (MORE THAN 40% CLAY OR SILT) BY ADDING COMPOSTED PINE BARK (UP TO 30% BY VOLUME) AND/OR GYPSUM. COARSE SAND MAY BE USED IF ENOUGH IS ADDED TO LOWER THE TOTAL SOIL CONTENT TO MORE THAN 60% OF THE TOTAL MIX. IMPROVE DRAINS IN HEAVY SOILS BY ADDING ORGANIC MATTER ON RAISED MOUNDS OR BEDS AND INCLUDING SUBSURFACE DRAINAGE LINES.</b></p> <p><b>MODIFY EXTREMELY SANDY SOILS (MORE THAN 85% SAND) BY ADDING ORGANIC MATTER AND/OR DRY, SHREDDED CLAY LOAM UP TO 30% OF THE TOTAL MIX.</b></p> <p><b>MEADOW SEEDING NOTES</b></p> <ol style="list-style-type: none"> <li>1. SITE TO BE CLEARED WITHIN THE LIMITS OF DISTURBANCE. ALL EXISTING TREES, INCLUDING WOODY AND SHRUB VEGETATION, SHALL BE REMOVED. MEADOW SEED MIX "A" (SPECIFIED BELOW) WILL BE USED TO STABILIZE THE DISTURBED AREA WITHIN THE LIMITS OF DISTURBANCE.</li> <li>2. SITE PERMANENT VEGETATIVE COVER (MEADOW MIX_A) ERNST SEED MIX ERNMX-186 "ERNST SOLAR FARM SEED MIX"</li> </ol> <p>35% FESTUCA RUBRA 35% FESTUCA RUBRA SSP. COMMUTATA 10% FESTUCA BREVIPILA, 'BEACON' 10% FESTUCA OVINA VAR. DURIUSCULA, 'JETTY' 5% POA PRATENSIS, 'BLUE ANGEL' 5% POA PRATENSIS, 'VOLT'</p> <p>CREEPING RED FESCUE CHEWING FESCUE ARD FESCUE, 'BEACON' HARD FESCUE, 'JETTY' KENTUCKY BLUEGRASS, 'BLUE ANGEL' KENTUCKY BLUEGRASS, 'VOLT'</p> <p>NOTES: <ol style="list-style-type: none"> <li>1. SEED AT A RATE OF 260 LBS./ACRE OF 100% PURE LIVE SEED.</li> <li>2. FOR SPRING SEEDING, APPLY A NURSE CROP OF OATS AT A RATE OF 30 LBS./ACRE.</li> <li>3. FOR FALL SEEDING, APPLY A NURSE CROP OF WINTER RYE AT A RATE OF 30 LBS./ACRE.</li> </ol> </p> <p><b>MEADOW MIX 'A' ESTABLISHMENT WATERING AND MAINTENANCE SCHEDULE</b></p> <p>THE FOLLOWING WATERING SCHEDULE COVERS ROUGHLY 8 WEEKS TO ESTABLISH A HEALTHY STAND OF GRASS FROM SEED. THE CONTRACTOR SHALL BE OBLIGATED TO ENSURE A HEALTHY STAND OF GRASS AT THE END OF THE MAINTENANCE/BOND PERIOD. ANY BARE OR DEAD AREAS IN THE LAWN SHALL BE PREPARED, RE-SEEDED AND RE-ESTABLISHED PRIOR TO THE END OF THE MAINTENANCE/BOND PERIOD AND TO THE SATISFACTION OF THE PROJECT LANDSCAPE ARCHITECT AND THE OWNER.</p> <p>IMPORTANT ASPECTS TO ATTAINING AND SUSTAINING A HEALTHY STAND OF GRASS ARE THE INSTALLATION OF TOPSOIL, SEED BED PREPARATION, ATTAINING OPTIMAL pH FOR THE INTENDED PLANT SPECIES, FERTILIZING, MULCH COVERING, AND SUFFICIENT WATERING PER THESE NOTES AND/OR PROJECT SPECIFICATIONS.</p> <ol style="list-style-type: none"> <li>1. ELIMINATE UNWANTED VEGETATION PRIOR TO SEEDING USING A BROAD-SPECTRUM NON-SELECTIVE HERBICIDE PER MANUFACTURER'S SPECIFICATIONS.</li> <li>2. SEEDING SHALL BE DONE PREFERABLY IN THE FALL BETWEEN SEPTEMBER 1 TO OCTOBER 1, OTHERWISE SEED IN THE SPRING BETWEEN APRIL 1 AND JUNE 1.</li> <li>3. IT IS RECOMMENDED THAT CONTRACTOR INSTALL SEED MIXTURE USING A NO-TILL TRUAX-TYPE DRILL WHERE APPLICABLE.</li> <li>4. AFTER THE SEEDBED IS PREPARED, SEED IS INSTALLED, AND MULCH IS APPLIED, WATER LIGHTLY TO KEEP THE TOP 2 INCHES OF SOIL CONSISTENTLY MOIST, NOT SATURATED. AT NO TIME SHOULD WATER BE APPLIED TO THE POINT OF RUNOFF OR THE DISPLACEMENT OF SEED.</li> <li>5. DEPENDING ON SOIL TEMPERATURES, IT MAY TAKE SEVERAL WEEKS FOR GERMINATION TO OCCUR. DIFFERENT SPECIES WITHIN THE MIX GERMINATE AT DIFFERENT TIMES AND THEREFORE CONTRACTOR SHOULD CONTINUE THE LIGHT WATERING, AS DESCRIBED ABOVE, UNTIL THERE IS AT LEAST 2 INCHES OF GROWTH THROUGHOUT.</li> <li>6. AT THIS POINT, WATERING FREQUENCY MAY BE REDUCED TO EVERY 3 TO 5 DAYS. WATER SHALL BE APPLIED TO WET A 6 INCH MINIMUM SOIL DEPTH TO PROMOTE HEALTHY DEEP ROOTS.</li> <li>7. MOW TO A HEIGHT OF NO LESS THAN 4 INCHES AFTER THE FESCUE SEED HEADS DEVELOP IN MID-SUMMER, IF A MANUFACTURED COOK IS DESIRED. OTHERWISE, THE SEED HEADS SHOULD LAY DOWN BY LATE SUMMER. CONTINUOUS WATER TO A 6 INCH MINIMUM SOIL DEPTH AS NECESSARY PER WEATHER CONDITIONS, AND SOIL MOISTURE SENSORS IF APPLICABLE.</li> <li>8. DURING THE FIRST 2-4 YEARS OF ESTABLISHMENT, AND AFTER ESTABLISHMENT DEPENDING ON THE LOOK DESIRED, ADDITIONAL MOWING TO NO LESS THAN 4 INCHES MAY BE REQUIRED, AS WELL AS SELECTIVE WEEDING WITH A BROADLEAF WEED CONTROL HERBICIDE. OVER-SEEDING BARE SPOTS AND WATERING TO PROMOTE A THICK, UNIFORM DROUGHT-TOLERANT STAND OF GRASS.</li> <li>9. AFTER YEARS OF ESTABLISHMENT, A LAYER OF THATCH (DEAD GRASS) MAY BUILD UP AT THE SOIL SURFACE. A THATCH LAYER MAY MOTHER NEW GRASS FROM DEVELOPING, CAUSING DEAD AND BARE SPOTS. REMOVE THATCH PROPERLY. CONTRACTOR TO TURN OVER THATCH AS BEING VISIBLE UPON INSPECTION. DO NOT REMOVE THATCH TO A DEPTH THAT WILL DIG UP SOIL, RAISE, AND REMOVE THATCH. ANY BARE OR THIN SPOTS SHOULD OVER-SEED AND WATERED PER THE NOTES HEREIN. DE-THATCH ONLY IN MIDSPRING BEFORE THE GRASS HAS "GREENED UP" AND STARTED ACTIVE GROWTH. DE-THATCHING IN EARLY SPRING BEFORE THE GRASS BEGINS TO GROW AGAIN WILL ONLY ENCOURAGE WEEDS.</li> <li>10. FERTILIZERS ARE NOT GENERALLY NEEDED OR RECOMMENDED FOR FESCUE LAWNS UNLESS SOIL TEST RESULTS SHOW A SIGNIFICANT LACK OF NUTRIENTS. USE ONLY SLOW-RELEASE FERTILIZERS WITH LITTLE TO NO NITROGEN IN APRIL OR SEPTEMBER.</li> </ol> <p><b>LANDSCAPE BUFFER AREA</b></p> <p>THE LANDSCAPE BUFFER AREA ALONG THE EASTERN SIDE OF THE NORTHERN ARRAY AREA SHALL BE A SINGLE ROW OF EVERGREEN TREES TO PROVIDE SCREENING FOR THE ADJACENT PROPERTY.</p>										
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<p><b>INDEPENDENT SOLAR, LLC</b></p> <p>206 MILTON TURNPIKE, MARLBOROUGH, NY 12547</p> <p><b>L-500</b></p> <p>&lt;b</p>											