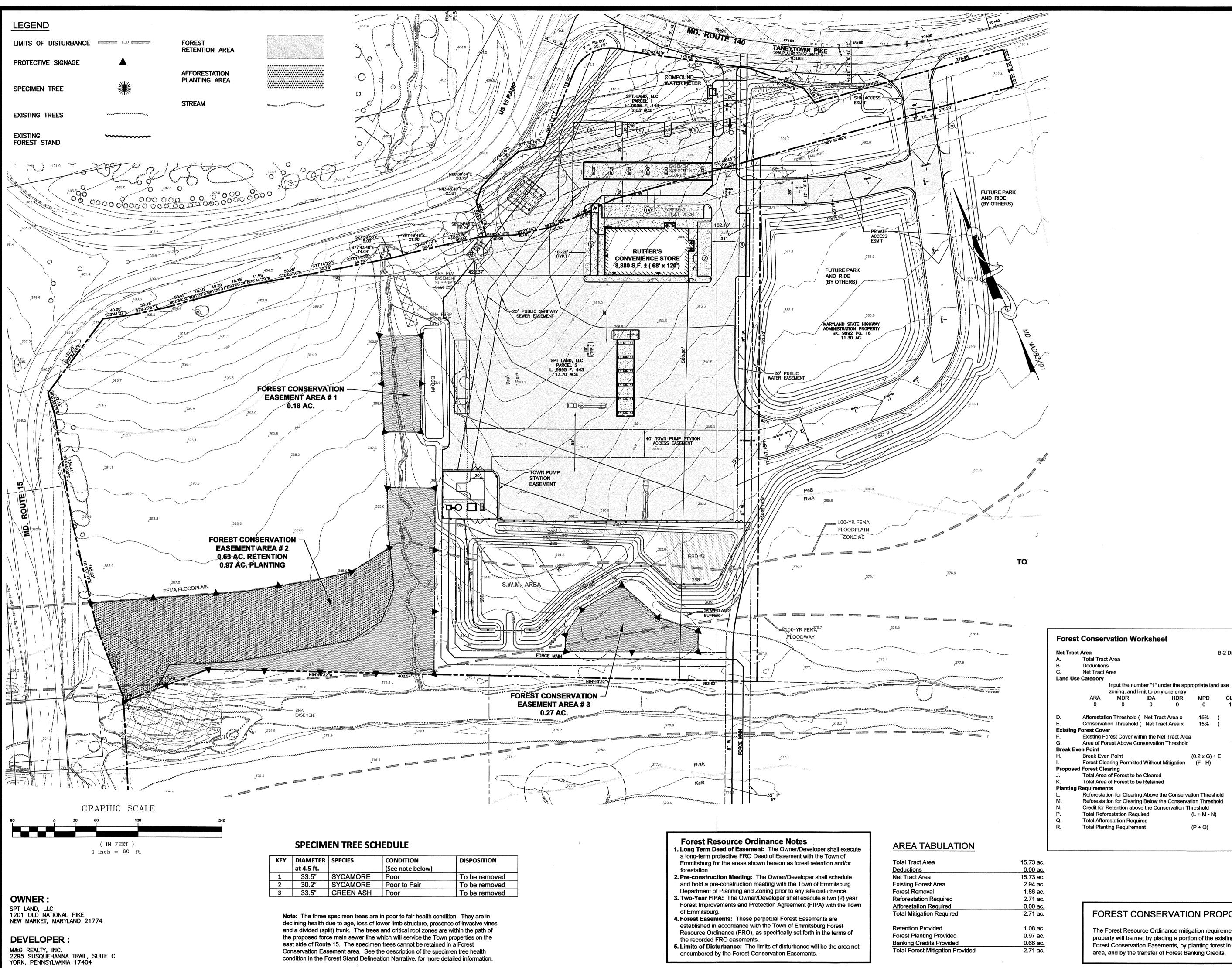
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Ò PRELIMINA

15.73 0.00 15.73

2.94 0.58

2.48 0.46 0.00

1.08

0.15 2.56 0.00 2.71 0.00 2.71

G =

H =

K =

N =

P = Q =

 $(0.2 \times G) + E$ 

(L + M - N)

(P + Q)

SCALE: 1" = 60'

PROJECT NO.	18-31407	
DRAWING NO DATE:	D-3467	
	APRIL 2019	
DRAWN BY:	JWE	
CHECKED BY:	REL	

SHEET <u>2</u> OF <u>3</u>

FOREST CONSERVATION PROPOSAL

The Forest Resource Ordinance mitigation requirement for the property will be met by placing a portion of the existing forest area in Forest Conservation Easements, by planting forest in the floodplain area, and by the transfer of Forest Banking Credits.

		7112 111 01 1.0 111111110
QTY	BOTANICAL NAME	COMMON NAME
75	ACER RUBRUM	RED MAPLE
55	CELTIS OCCIDENTALIS	HACKBERRY
50	PLANTANUS OCCIDENTALIS	SYCAMORE
55	LIRIODENDRON TULIPIFERA	TULIP POPLAR
40	QUERCUS BICOLOR	SWAMP WHITE OAK
30	JUGLANS NIGRA	BLACK WALNUT
35	PRUNUS SEROTINA	BLACK CHERRY
30	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR
30	CERCIS CANADENSIS	RED BUD
36	AMELANCHIER CANADENSIS	SERVICEBERRY
436	TOTAL TREE SHELTERS REQUIRED ON DECIDUOUS TREES	

#### CONDITION NOTE

STOCKING RATE: 450 CONTAINER GROWN SEEDLINGS PER ACRE WITH TREE PROTECTORS AT 9.5' x 9.5' APPROXIMATE SPACING SURVIVAL REQUIREMENT: 65% OR 290 TREES/ACRE

### PLANT SUBSTITUTION LIST:

**OVERSTORY** 

UNDERSTORY

1. BETULA LENTA, BLACK BIRCH 2. QUERCUS PALUSTRIS, PIN OAK

1. CORNUS RACEMOSA, GRAY DOGWOOD 2. ARONIA MELANOCARPA, BLACK CHOKEBERRY

#### \* NOTE:

SUBSTITUTION SPECIES MAY BE USED IF THE PRIMARY SPECIES ARE COMMERCIALLY UNAVAILABLE. SUBSTITUTIONS ARE NOT TO BE MADE BASED ON PRICE. SUBSTITUTIONS SHALL BE MADE WITH THE CONSENT OF A QUALIFIED PROFESSIONAL AND THE APPROVING AUTHORITY.

#### **FOREST CONSERVATION NOTES**

- 1. THIS FOREST CONSERVATION PLAN HAS BEEN PREPARED PURSUANT TO THE REQUIREMENTS OF THE TOWN OF EMMITSBURG FOREST CONSERVATION ORDINANCE (FCO). ANY DEVIATION FROM THIS APPROVED PLAN MAY MAKE THE OWNER/DEVELOPER SUBJECT TO FINES AND PENALTIES PURSUANT TO ENFORCEMENT ACTION TAKEN BY THE APPROVING AUTHORITY.
- 2. PROTECTION DEVICES:
- A. PROTECTION DEVICES SHALL BE INSTALLED IMMEDIATELY AFTER PLANTING AND SHALL BE MAINTAINED DURING ANY CONSTRUCTION.
- AND/OR LAND CLEARING ACTIVITIES. B. PROTECTION DEVICES SHALL REMAIN IN PLACE FOR A MINIMUM OF TWO YEARS OR UNTIL CONSTRUCTION IS COMPLETE AND SURVIVAL HAS BEEN MET.
- C. ATTACHMENT OF SIGNS, OR ANY OTHER OBJECTS, TO TREES IS PROHIBITED.
- D. NO EQUIPMENT, MACHINERY, VEHICLES, MATERIALS OR EXCESSIVE PEDESTRIAN TRAFFIC SHALL BE ALLOWED WITHIN PROTECTED AREAS. ONLY THOSE ACTIVITIES WHICH ARE IN COMPLIANCE WITH THE TWO-YEAR MAINTENANCE AGREEMENT ARE PERMITTED WITHIN FOREST CONSERVATION EASEMENT AREAS UNTIL SURVIVAL IS MET.
- 3. ANY CHANGES MADE TO THE FOREST CONSERVATION PLAN DUE TO ON-SITE CONDITIONS SHALL BE MADE IN CONSULTATION WITH A QUALIFIED PROFESSIONAL AND THE APPROVING AUTHORITY.
- 4. FOLLOWING CONSTRUCTION, THE FOLLOWING MEASURES SHALL BE TAKEN WHEN APPROPRIATE:
- A. CORRECTIVE MEASURES IF DAMAGES WERE INCURRED DUE TO
- **NEGLIGENCE:** 1) STRESS REDUCTION: FOLLOW PROCEDURES OUTLINED IN SECTION 3.2.2. OF THE FOREST CONSERVATION TECHNICAL MANUAL, THIRD EDITION.
- 2) REMOVAL OF DEAD OR DYING TREES: THIS MAY BE DONE ONLY IF TREES POSE AN IMMEDIATE SAFETY HAZARD.
- 5. ALL CONSTRUCTION METHODS AND MATERIALS SHALL BE IN STRICT ACCORDANCE WITH STATE AND LOCAL STANDARDS AND SPECIFICATIONS.
- 6. THE CONTRACTOR SHALL NOTIFY MISS UTILITY AT 1-800-257-7777, A MINIMUM OF FORTY-EIGHT (48) HOURS PRIOR TO THE START OF
- 7. THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS BEFORE BEGINNING CONSTRUCTION.
- 8. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE UTILIZATION OF MEN, MATERIALS, EQUIPMENT OR SAFETY MEASURES IN THE PERFORMANCE OF ANY WORK ON THIS PROJECT.
- 9. FOX & ASSOCIATES, INC. HAS PERFORMED NO SUBSURFACE INVESTIGATION TO DETERMINE LOCATIONS OF ROCK, SOIL CHARACTERISTICS, WATERTABLES, UTILITIES, ETC.

## SURETY

1. THE OWNER/DEVELOPER SHALL:

PROVIDE FINANCIAL SECURITY OR A MONETARY GUARANTEE IN THE AMOUNT OF THE APPROVED COST ESTIMATE TO THE TOWN OF EMMITSBURG, MARYLAND IN THE FORM OF A BOND OR AN IRREVOCABLE LETTER OF CREDIT DRAWN ON A LOCAL BANK.

2. IF AFTER THE TWO (2) YEAR MAINTENANCE PERIOD, THE REQUIREMENTS AND SURVIVAL HAVE BEEN MET, THE MAINTENANCE AGREEMENT FOLLOWED, AND THE PROTECTION DEVICES REMOVED, THE SURETY SHALL BE RELEASED UPON FINAL INSPECTION.

### LONG TERM PROTECTION

ALL RETAINED AND/OR PLANTED FOREST SHALL BE SUBJECT TO A PERPETUAL FOREST CONSERVATION EASEMENT, AS SHOWN ON THE FINAL PLAT(S) FOR THIS PROJECT. IN ACCORDANCE WITH THE TOWN OF EMMITSBURG FOREST CONSERVATION ORDINANCE AND THE EXECUTED FOREST CONSERVATION AGREEMENT, THE FOREST CONSERVATION EASEMENT IS FOR THE CREATION AND MAINTENANCE OF NATURAL FOREST AREAS. ANY ACTIVITIES THAT ARE INCONSISTENT WITH RETAINING SUCH AREAS AS NATURAL FOREST ARE PROHIBITED. ALL FUTURE PROPERTY OWNERS SHALL RECEIVE TITLE TO SUCH AREAS SUBJECT TO SUCH RESTRICTIONS.

### **PLANTING SPECIFICATIONS**

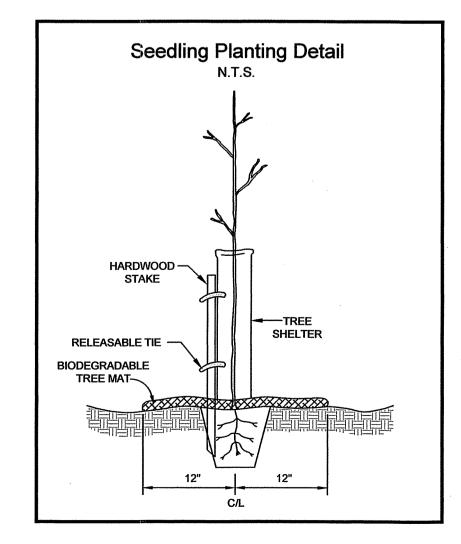
- 1. SITE SPECIFIC SOIL SAMPLING SHALL BE PERFORMED BY THE CONTRACTOR IN THE PLANTING AREA TO DETERMINE NECESSARY SOIL AMENDMENTS FOR THE PLANT MATERIALS SPECIFIED.
- 2. EXISTING SOIL SHALL BE TREATED, IF NECESSARY, TO ELIMINATE ANY HARMFUL HERBICIDES OR PESTICIDES THAT MAY BE PRESENT. SOIL AMENDMENTS SUCH AS LIME AND FERTILIZER SHALL BE ADDED IF NECESSARY. WITH SOME HERBICIDES, SUCH AS ATRIZINE, IT MAY BE NECESSARY TO WAIT A MINIMUM OF ONE YEAR AFTER THE LAST APPLICATION TO PLANT THE SITE.
- 3. COMPACTED OR DISTURBED AREAS WITHIN THE PLANTING AREA, IF NECESSARY, SHALL BE TREATED BY INCORPORATING NATURAL MULCH WITHIN THE TOP TWELVE (12) INCHES OF SOIL.
- 4. THE SITE SHOULD BE MOWED, IF POSSIBLE AND ALL EXISTING EXOTIC (NOT NATIVE TO MARYLAND) AND/OR INVASIVE TREES, SHRUBS, AND VEGETATION SHALL BE REMOVED FROM THE PLANTING AREA.
- 5. INSTALL 24" X 24" BIODEGRADABLE WEED PRO WEED CONTROL TREE MATS OR EQUIVALENT FOR EACH INDIVIDUAL TREE TO CREATE A WEED BLOCKADE TO CONTROL COMPETING VEGETATION. TREE MATS ARE TO BE INSTALLED WITH A MINIMUM OF FOUR STAPLES.
- 6. TREES SHALL BE PACKAGED AND HANDLED IN TRANSPORT AND IN THE FIELD SO AS TO RETAIN MOISTURE IN THE ROOTS.
- 7. TREES SHALL BE AS SPECIFIED IN THE PLANTING SCHEDULE AND SHALL BE PLANTED IN ACCORDANCE WITH THE DETAILS PROVIDED HEREIN.
- 8. PHOTODEGRADABLE TREE PROTECTORS SHALL BE INSTALLED ON DECIDUOUS TREES ONLY.
- 9. DEER REPELLENT SHALL BE APPLIED TO THE AFFORESTATION PLANTINGS IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
- 10.PROTECTIVE DEVICES, SUCH AS FENCING OR SIGNAGE, SHALL BE INSTALLED AROUND THE PERIMETER OF THE PLANTING AREA AS SPECIFIED ONCE PLANTING HAS OCCURRED.
- 11. REMOVE TREE PROTECTORS AND STAKES AFTER THE TWO YEAR MAINTENANCE PERIOD.
- 12. DEVIATION FROM THESE SPECIFICATIONS MAY BE MADE ONLY WITH APPROVAL OF THE PLAN PREPARER AND THE APPROVING AUTHORITY

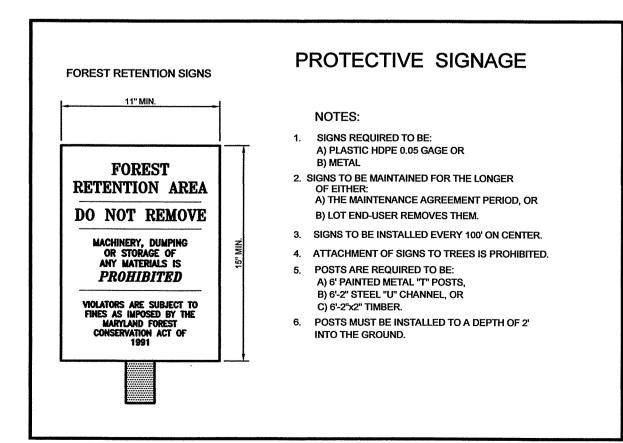
# TREE PLANTING AND MAINTENANCE CALENDAR \*J|\*F|M|A|M|J|J|A|S|O|N|\*D| PLANT SEEDLINGS, $X \mid X \mid X \mid X \mid X \mid X \mid$ CONTAINER AND B&B CONTROL OF INVASIVE SPECIES (MOW OR SPRAY AS NEEDED) **FERTILIZE** (AS NEEDED) (AS NEEDED) LEGEND: - DEPENDENT ON GROUND CONDITIONS. - ACTIVITIES RECOMMENDED DURING THESE MONTHS.

THE PLANTING OF TREES SHALL BE COORDINATED WITH THE LOCAL CLIMATIC CONDITIONS. THIS CALENDAR SUMMARIZES THE RECOMMENDED TIME FRAMES FOR REFORESTATION.

# SEQUENCE OF CONSTRUCTION

- 1. INSTALL SHORT TERM FOREST PROTECTION DEVICES FOR AFFORESTATION AREAS AND INDIVIDUAL TREES TO BE RETAINED.
- 2. HOLD PRE-CONSTRUCTION MEETING & INSPECTION. ATTENDEES MUST INCLUDE A TOWN OF EMMITSBURG PLANNING STAFF REPRESENTATIVE, DEVELOPER AND CONTRACTOR.
- 3. OBTAIN APPROPRIATE PERMITS AND BEGIN SITE DEVELOPMENT.
- 4. PREPARE THE APPROPRIATE AREA FOR PLANTING.
- 5. PERFORM PLANTING.
- 6. CONTACT THE TOWN OF EMMITSBURG, DEPARTMENT OF PLANNING, AND HOLD INITIAL
- 7. CONTACT THE TOWN OF EMMITSBURG PLANNING DEPARTMENT AND HOLD 1-YEAR
- 8. HOLD 2-YEAR INSPECTION.
- 9. REMOVE SHORT TERM PROTECTION DEVICES\* AND RECEIVE FINAL BOND RELEASE IF THE PLANTINGS AND ANY REINFORCED PLANTINGS MEET SURVIVAL REQUIREMENTS. \* FENCING AND/OR SIGNAGE TO REMAIN IN PLACE FOR THE LONGER OF EITHER
  - a. TWO-YEAR MAINTENANCE PERIOD. b. CONSTRUCTION IS COMPLETE AND ALL AREAS WITHIN 100' OF FOREST RETENTION AREAS AND/OR PLANTED AREAS ARE STABILIZED. c. 50% OF THE SIGNAGE SHALL REMAIN PERMANENT.



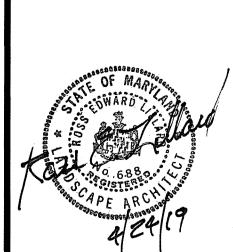


OWNER: SPT LAND, LLC 1201 OLD NATIONAL PIKE NEW MARKET, MARYLAND 21774

**DEVELOPER:** 

2295 SUSQUEHANNA TRAIL, SUITE C YORK, PENNSYLVANIA 17404

SCALE: AS SHOWN



18-31407 DRAWING NO. APRIL 2019 DRAWN BY: CHECKED BY: