RHO 142/12

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Apr 20 3 29 PM '95

RICHARD H. OUTTEN-
CLK. CT. CT.
WOR. CO.

FAC WORKSHEET
DNR VERSION 1.1

NET TRACT AREA

| | | |
|---|---|---|
| A. Total Tract Area | A= | 1.18 acres |
| B. Area Within 100 Year Floodplain | B= | 0 |
| C. Area To Remain in Agricultural Production | C= | 0 |
| D. Net Tract Area | D= | 1.18 acres |

LAND USE CATEGORY

| | | |
|---|---|---|
| E. Afforestation Threshold/Acres D x 15 % | E= | .18 |
| F. conservation Threshold/Acres D x 20 % | F= | .23 |

EXISTING FOREST COVER

| | | |
|---|---|---|
| G. Existing Forest Cover (Excluding floodplain) | G= | 0 |
| H. Area of forest Above Afforestation Threshold | H= | 0 |
| 1. If G < E, Then H=0 & I=0, go to L | | |
| 2. If G > E, The H=G-E, Go to I | | |
| I. Area of Forest Above Conservation Threshold | I= | 0 |
| 1. If G < F, Then I=0, Go to L | | |
| 2. If G > F, Then I=G-F, Go to J | | |

BREAK EVEN POINT

| | | |
|---|---|---|
| J. Break Even Point (amount of forest to retain with no mitigation) | J= | 0 |
| 1. If I > 0, Then J = (0.2 x I) + F, go to K | | |
| 2. If I=0, J=0, Go to L | | |
| K. Clearing Permitted with no Mitigation K=G-J, Go to L | K= | 0 |

PROPOSED FOREST CLEARING

| | | |
|---|---|---|
| L. Total Area of Forest to be Cleared | L= | 0 |
| M. Total Area of Forest to be Retained | M= | 0 |

PLANTING REQUIREMENTS

| | | |
|---|---|---|
| N. Reforestation for Clearing Above the Conservation Threshold | N= | 0 |
| 1. If L=K, then N=0, P=0, Q=0, R=0, S=0 go to T | | |
| 2. If M > F, then N=(L x 0.25), P=0, go to Q | | |
| 3. If M < F, then N=(I x 0.25), go to P | | |
| P. Reforestation for Clearing Below the Conservation Threshold | P= | 0 |
| 1. If G > F and M > F, then P=0, Q=0, go to R | | |
| 2. If G > F and M < F, then P=2 x (F-M), Q=0, go to R | | |
| 3. If G < F, then P = (2xL), Q=0, go to R | | |
| Q. Credit for Retention Above Conservation Threshold | Q= | 0 |
| 1. If M > F, then Q= (M-F), go to R | | |
| 2. If M < F, then Q=0, go to R | | |
| R. Total Reforestation Required | R= | 0 |
| 1. If Q >-N and M < E, then R=0, -S=0, go to T | | |
| 2. If Q < N and M > E, then R=(N+P)-Q, S=0, go to T | | |
| 3. If Q < N and M < E, then R=N+P, go to S | | |
| S. Total Afforestation Required | S= | .18 |
| 1. If G < E and M < E, then S=E-G, go to T | | |
| 2. If G < E and M=E, then S=0, go to T | | |
| T. Total Afforestation/Reforestation Required T = R+S | T= | .18 |

Note: Any negative numbers must be converted to Zero.

FOREST PROTECTION PLAN

Any present and future clearing, grading and/or construction proposed within 50 feet of the protected forest boundary must adhere to the following forest protection plan:

1. Field location of the protected forest boundary based on the critical root zone and in accordance with state or locally adopted forest conservation manual and the approved Forest Conservation Plan (FCP #E95-10).

2. Installation of forest protection fencing and signs along the protected forest boundary in accordance with state or locally adopted forest conservation manual and approved Forest Conservation Plan (FCP #E95-10).

3. Notify the Maryland Forest Conservation Program or local authority (if local program is in effect) to arrange preclearing/grading/construction inspection of the installed forest protection devices.

4. Conduct the clearing, grading and/or constuction.

5. Notify the Maryland Forest Conservation Program or local authority (if local program is in effect) upon completion of all constuction activities to request field inspection of the protected forest.

6. Upon approval from proper authority, remove forest protection devices.

John J. Gigliotti & Assoc., Inc.
Environmental Consultants
123B Camden Street
Salisbury, MD 21801
(410) 546-4505

Soils Data Sheet

Date: 7/24/94
Client: Gabriel L. & Diana W. Purnell
Property: Berlin/Flower Street
Section and/or Block:
Lot: 1

| Number | Hue | Value | Chroma | Texture | Texture Group | Depth | Comments |
|---|---|---|---|---|---|---|---|
| 1 | 10 yr. | 5 | -2 | loamy sand | I | 0-10" | Ap |
| | 10 yr. | 5 | 8 | sandy loam | II | 10-24" | B1 |
| | 10 yr. | 6 | 6 | loamy sand | I | 24-30" | B2 |
| | 10 yr. | 7 | 3 | sand | I | 30-36" | C |
| 2 | 10 yr. | 5 | 2 | loamy sand | I | 0-08" | Ap |
| | 10 yr. | 5 | 8 | sandy loam to loam | II | 08-20" | Bt |
| | 7.5 yr. | 5 | 8 | | | | -mottles |
| | 10 yr. | 5 | 8 | sandy loam | II | 20-30" | B2 |
| | 7.5 yr. | 5 | 8 | | | | -mottles |
| | 10 yr. | 7 | 1 | | | | -mottles |

WOODLAND SUITABILITY GROUP 205

This group is made of level and gently sloping, moderately well drained soils of the Woodstown series. Available moisture capacity is medium to high in these soils, and natural fertility is moderate.

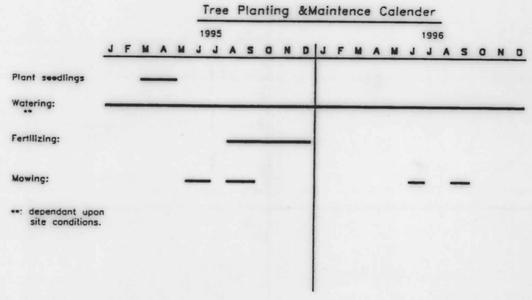
These soils are well suited to loblolly pine, oaks, sweetgum, yellow-poplar, and red maple. Loblolly pine, sweetgum, and yellow-poplar are the trees favored for planting for wood crops. Suitable for Christmas trees are Scotch pine, white pine, and Norway spruce.

Seedling mortality and equipment limitations are slight. Plant competition is severe for conifers and moderate for hardwoods.

The average site index for loblolly pine is 86. The yearly maximum expected yield per acre at 50 years of age is nearly 700 board feed for loblolly pine, nearly 500 board feet for yellow - poplar, and nearly 275 board feet for oak.

REQUIRED SIGNAGE

Tree Planting &Maintence Calender



**: dependant upon site conditions.

FOREST CONSERVATION NOTES

1. Woodstown Sandy Loan, 0 to 2% slope (WdA), K - Value = .24.
2. Structural limitations of soil: Moderate A) Moderate - Roads & Highway B) Moderate - Gardens.
3. No hydric soils detected.
4. Prime agricultural soils, especially for Corn & Soybeans.
5. No Non-Tidal wetlands/100 year floodplain.
6. No Tidal floodplain/wetlands.
7. No Intermittent or Perennial streams, steep slopes > 25% or 50' buffers.
8. Worcester County - "Ocean Coastal Watershed" - 021301.

8A. Subwatershed - Sinepuxent Bay - 213014.

9. High density residential development.
10. No historical features noted during site investigation.
11. Land uses, both present and past, were agricultural and residential.
12. No rare, threatened or endangered species noted during investigation.
13. This site is not located in the Chesapeake Critical Area.
14. No specimen or champion trees noted.
15. There are no construction activities planned near the proposed afforestation area.
16. One existing residential dwelling noted on-site. No other cultural features noted.
17. No adjacent forest cover noted on the adjacent parcels.
18. Land elevation throughout the site was relatively flat.
19. This property is subject to an approved Forest Conservation Plan, FCP #E95-10.
20. The area labeled as a "Forest Conservation Area" is subject to restrictive covenants as recorded in the land records of Worcester County.

**Afforestation/Reforestation Schedule**

1. Provide plantings in accordance with the standards and specifications of the State adopted Forest Conservation Manual and the approved Forest Conservation Plan (FCA# E95-10).

2. Installation of forest protection fencing and signs in accordance with the standards and specifications of the state or locally adopted Forest Conservation Manual and the approved Forest Conservation Plan (FCA#E95-10).

3. Notify Maryland Forest Conservation Program upon installation of forest protection devices for inspection.

4. One year inspection by Qualified Professional of afforestation area for maintenance needs as specified in approved Forest Conservation Plan.

5. Two year inspection by Qualified Professional of afforestation area for maintenance needs as specified in approved Forest Conservation Plan.

A. Notify Maryland Forest Conservation Program upon completion of two year management agreement for inspection.

John J. Gigliotti 4/12/95

John J. Gigliotti, Qualified Professional Date
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| | |
|---|---|
| SCALE: 1" = 30' | DATE: 8 / 11 / 94 |
| DRAWN BY: K.R.H. | JOB NO.: . 686 |

SHEET 2 of 2 REVISED 12/19/94
REVISED 03/24/95

Maryland State Archives