

Tree Condition Summary

Tree #	Scientific Name	Common Name	D.B.H.	Critical Root Zone	Tree Condition	Comments	Recommended Action
T1	Quercus sp.	White Oak	12"	12'	Fair	Crowned root zone	
T2	Quercus sp.	White Oak	18"	18'	Fair	Crowned root zone	
T3	Quercus sp.	White Oak	12"	12'	Fair	Crowned root zone	
T4	Quercus sp.	White Oak	18"	18'	Fair	Crowned root zone	
T5	Quercus sp.	White Oak	12"	12'	Fair	Crowned root zone	
T6	Quercus sp.	White Oak	18"	18'	Fair	Crowned root zone	
T7	Quercus sp.	White Oak	12"	12'	Fair	Crowned root zone	
T8	Quercus sp.	White Oak	18"	18'	Fair	Crowned root zone	
T9	Quercus sp.	White Oak	12"	12'	Fair	Crowned root zone	
T10	Quercus sp.	White Oak	18"	18'	Fair	Crowned root zone	
T11	Quercus sp.	White Oak	12"	12'	Fair	Crowned root zone	
T12	Quercus sp.	White Oak	18"	18'	Fair	Crowned root zone	
T13	Quercus sp.	White Oak	12"	12'	Fair	Crowned root zone	
T14	Quercus sp.	White Oak	18"	18'	Fair	Crowned root zone	
T15	Quercus sp.	White Oak	12"	12'	Fair	Crowned root zone	
T16	Quercus sp.	White Oak	18"	18'	Fair	Crowned root zone	
T17	Quercus sp.	White Oak	12"	12'	Fair	Crowned root zone	
T18	Quercus sp.	White Oak	18"	18'	Fair	Crowned root zone	
T19	Quercus sp.	White Oak	12"	12'	Fair	Crowned root zone	
T20	Quercus sp.	White Oak	18"	18'	Fair	Crowned root zone	
T21	Quercus sp.	White Oak	12"	12'	Fair	Crowned root zone	
T22	Quercus sp.	White Oak	18"	18'	Fair	Crowned root zone	
T23	Quercus sp.	White Oak	12"	12'	Fair	Crowned root zone	
T24	Quercus sp.	White Oak	18"	18'	Fair	Crowned root zone	
T25	Quercus sp.	White Oak	12"	12'	Fair	Crowned root zone	
T26	Quercus sp.	White Oak	18"	18'	Fair	Crowned root zone	
T27	Quercus sp.	White Oak	12"	12'	Fair	Crowned root zone	
T28	Quercus sp.	White Oak	18"	18'	Fair	Crowned root zone	
T29	Quercus sp.	White Oak	12"	12'	Fair	Crowned root zone	
T30	Quercus sp.	White Oak	18"	18'	Fair	Crowned root zone	
T31	Quercus sp.	White Oak	12"	12'	Fair	Crowned root zone	
T32	Quercus sp.	White Oak	18"	18'	Fair	Crowned root zone	
T33	Quercus sp.	White Oak	12"	12'	Fair	Crowned root zone	
T34	Quercus sp.	White Oak	18"	18'	Fair	Crowned root zone	
T35	Quercus sp.	White Oak	12"	12'	Fair	Crowned root zone	
T36	Quercus sp.	White Oak	18"	18'	Fair	Crowned root zone	
T37	Quercus sp.	White Oak	12"	12'	Fair	Crowned root zone	
T38	Quercus sp.	White Oak	18"	18'	Fair	Crowned root zone	
T39	Quercus sp.	White Oak	12"	12'	Fair	Crowned root zone	
T40	Quercus sp.	White Oak	18"	18'	Fair	Crowned root zone	
T41	Quercus sp.	White Oak	12"	12'	Fair	Crowned root zone	
T42	Quercus sp.	White Oak	18"	18'	Fair	Crowned root zone	
T43	Quercus sp.	White Oak	12"	12'	Fair	Crowned root zone	
T44	Quercus sp.	White Oak	18"	18'	Fair	Crowned root zone	
T45	Quercus sp.	White Oak	12"	12'	Fair	Crowned root zone	
T46	Quercus sp.	White Oak	18"	18'	Fair	Crowned root zone	
T47	Quercus sp.	White Oak	12"	12'	Fair	Crowned root zone	
T48	Quercus sp.	White Oak	18"	18'	Fair	Crowned root zone	
T49	Quercus sp.	White Oak	12"	12'	Fair	Crowned root zone	
T50	Quercus sp.	White Oak	18"	18'	Fair	Crowned root zone	



VICINITY MAP
SCALE: 1" = 2000' ADC MAP 29 GRID G10

- ### LEGEND
- 250 --- EXISTING CONTOURS
 - 250 --- PROPOSED CONTOURS
 - --- PROPERTY LINE
 - --- PROJECT LIMIT
 - --- SPECIMEN TREE
 - --- CRZ (CRITICAL ROOT ZONE)
 - --- SOIL LIMITS
 - 16D --- SOIL TYPE

FOREST CONSERVATION WORKSHEET

HALPINE COMMUNITY CHURCH

NET TRACT AREA: 1.50

LAND USE CATEGORY (from Tract Technical Manual)

ARA	MOR	IDA	HR	MPD	GIA
0	0	1	0	0	0

EXISTING FOREST COVER

Item	Value
I. Existing forest cover	0.00
J. Area of forest above afforestation threshold	0.00
K. Area of forest above conservation threshold	0.00

BREAK EVEN POINT

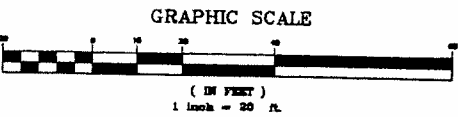
Item	Value
L. Forest retention above threshold with no mitigation	0.00
M. Clearing permitted without mitigation	0.00

PROPOSED FOREST CLEARING

Item	Value
N. Total area of forest to be cleared	0.00
O. Total area of forest to be retained	0.00

PLANTING REQUIREMENTS

Item	Value
P. Reforestation for clearing above conservation threshold	0.00
Q. Reforestation for clearing below conservation threshold	0.00
R. Credit for retention above conservation threshold	0.00
S. Total afforestation required	0.00
T. Total afforestation required	0.23
U. Credit for landscaping (may not exceed 20% of "S")	0.00
V. Total reforestation and afforestation required	0.23



SOIL DESCRIPTIONS:

2UB - GLENELG-URBAN LAND COMPLEX, 0 TO 15 PERCENT SLOPES: THE GLENELG SERIES CONSISTS OF VERY DEEP, WELL-DRAINED SOILS ON UPLANDS. THEY FORMED IN MICACEOUS MATERIAL WEATHERED MAINLY FROM SCHIST AND GNEISS. TYPICALLY, THESE SOILS HAVE A DARK YELLOWISH-BROWN CHANNERY LOAM SURFACE LAYER, 6 INCHES THICK. THE SUBSOIL, FROM 6 TO 13 INCHES, IS STRONG BROWN CHANNERY SILT LOAM AND, FROM 13 TO 24 INCHES, IS STRONG BROWN CHANNERY SILTY CLAY LOAM. THE SUBSTRATUM, FROM 24 TO 80 INCHES, IS YELLOWISH-RED LOAM. SLOPES RANGE FROM 0 TO 50 PERCENT. URBAN LAND CONSISTS OF AREAS WHERE THE ORIGINAL SOIL HAS BEEN COVERED BY CONCRETE, ASPHALT, BUILDINGS, OR OTHER STRUCTURES. YARDS, OPEN AREAS BETWEEN BUILDINGS AND STREETS, AND OTHER AREAS THAT HAVE NOT BEEN URBANIZED HAVE GOOD POTENTIAL FOR BUILDING SITE DEVELOPMENT AND FOR LAWN GRASSES, SHADE TREES, ORNAMENTAL TREES, SHRUBS, VINES, AND VEGETABLE GARDENS. AREAS THAT HAVE BEEN VERY DEEPLY EXCAVATED ARE GENERALLY DROUGHTY AND THUS HAVE POOR POTENTIAL FOR MOST TYPES OF VEGETATION. SLOPES RANGE FROM 0 TO 45 PERCENT SLOPES. THE ASSIGNED KW ERODIBILITY FACTOR IS .32. THIS SOIL IS WELL DRAINED, THE SLOWEST PERMEABILITY WITHIN 60 INCHES IS MODERATE. AVAILABLE WATER CAPACITY IS VERY HIGH AND SHRINK SWELL POTENTIAL IS LOW. THIS SOIL IS NOT FLOODED AND IS NOT PONDED. THE WATER TABLE IS DEEPER THAN 6 FEET. THERE ARE NO SALINE HORIZONS. IT IS IN NONIRRIGATED LAND CAPABILITY CLASS 2E. THIS COMPONENT IS NOT A HYDRIC SOIL.

2UG - GLENELG-URBAN LAND COMPLEX, 8 TO 15 PERCENT SLOPES: THE GLENELG SERIES CONSISTS OF VERY DEEP, WELL-DRAINED SOILS ON UPLANDS. THEY FORMED IN MICACEOUS MATERIAL WEATHERED MAINLY FROM SCHIST AND GNEISS. TYPICALLY, THESE SOILS HAVE A DARK YELLOWISH-BROWN CHANNERY LOAM SURFACE LAYER, 6 INCHES THICK. THE SUBSOIL, FROM 6 TO 13 INCHES, IS STRONG BROWN CHANNERY SILT LOAM AND, FROM 13 TO 24 INCHES, IS STRONG BROWN CHANNERY SILTY CLAY LOAM. THE SUBSTRATUM, FROM 24 TO 80 INCHES, IS YELLOWISH-RED LOAM. SLOPES RANGE FROM 0 TO 50 PERCENT. URBAN LAND CONSISTS OF AREAS WHERE THE ORIGINAL SOIL HAS BEEN COVERED BY CONCRETE, ASPHALT, BUILDINGS, OR OTHER STRUCTURES. YARDS, OPEN AREAS BETWEEN BUILDINGS AND STREETS, AND OTHER AREAS THAT HAVE NOT BEEN URBANIZED HAVE GOOD POTENTIAL FOR BUILDING SITE DEVELOPMENT AND FOR LAWN GRASSES, SHADE TREES, ORNAMENTAL TREES, SHRUBS, VINES, AND VEGETABLE GARDENS. AREAS THAT HAVE BEEN VERY DEEPLY EXCAVATED ARE GENERALLY DROUGHTY AND THUS HAVE POOR POTENTIAL FOR MOST TYPES OF VEGETATION. SLOPES RANGE FROM 0 TO 45 PERCENT SLOPES. THE ASSIGNED KW ERODIBILITY FACTOR IS .32. THIS SOIL IS WELL DRAINED, THE SLOWEST PERMEABILITY WITHIN 60 INCHES IS MODERATE. AVAILABLE WATER CAPACITY IS VERY HIGH AND SHRINK SWELL POTENTIAL IS LOW. THIS SOIL IS NOT FLOODED AND IS NOT PONDED. THE WATER TABLE IS DEEPER THAN 6 FEET. THERE ARE NO SALINE HORIZONS. IT IS IN NONIRRIGATED LAND CAPABILITY CLASS 2E. THIS COMPONENT IS NOT A HYDRIC SOIL.

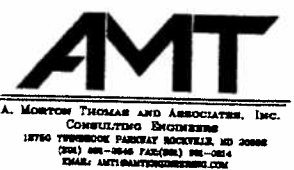
7UB - GAILA-URBAN LAND COMPLEX, 0 TO 8 PERCENT SLOPES: SOILS OF THE GAILA SERIES ARE VERY DEEP AND WELL DRAINED. THEY FORMED IN RESIDUUM THAT WEATHERED FROM QUARTZ MUSCOVITE SCHIST OF THE NORTHERN PORTION OF THE PIEDMONT PLATEAU. TYPICALLY, THEY HAVE A DARK BROWN SURFACE LAYER 7 INCHES THICK. THE SUBSOIL, FROM 7 TO 15 INCHES, IS STRONG BROWN SANDY CLAY LOAM. THE SUBSTRATUM FROM 15 TO 43 INCHES IS MULTICOLORED SANDY LOAM AND FROM 43 TO 72 IS MULTICOLORED LOAMY SAND WITH PARTIALLY WEATHERED MICA SCHIST FRAGMENTS. SLOPES RANGE FROM 0 TO 55 PERCENT. URBAN LAND CONSISTS OF AREAS WHERE THE ORIGINAL SOIL HAS BEEN COVERED BY CONCRETE, ASPHALT, BUILDINGS, OR OTHER STRUCTURES. YARDS, OPEN AREAS BETWEEN BUILDINGS AND STREETS, AND OTHER AREAS THAT HAVE NOT BEEN URBANIZED HAVE GOOD POTENTIAL FOR BUILDING SITE DEVELOPMENT AND FOR LAWN GRASSES, SHADE TREES, ORNAMENTAL TREES, SHRUBS, VINES, AND VEGETABLE GARDENS. AREAS THAT HAVE BEEN VERY DEEPLY EXCAVATED ARE GENERALLY DROUGHTY AND THUS HAVE POOR POTENTIAL FOR MOST TYPES OF VEGETATION. SLOPES RANGE FROM 0 TO 45 PERCENT SLOPES. THE ASSIGNED KW ERODIBILITY FACTOR IS .37. THIS SOIL IS WELL DRAINED, THE SLOWEST PERMEABILITY WITHIN 60 INCHES IS MODERATE. AVAILABLE WATER CAPACITY IS VERY HIGH AND SHRINK SWELL POTENTIAL IS LOW. THIS SOIL IS NOT FLOODED AND IS NOT PONDED. THE WATER TABLE IS DEEPER THAN 6 FEET. THERE ARE NO SALINE HORIZONS. IT IS IN NONIRRIGATED LAND CAPABILITY CLASS 2E. THIS COMPONENT IS NOT A HYDRIC SOIL.

400 - URBAN LAND: URBAN LAND CONSISTS OF AREAS WHERE THE ORIGINAL SOIL HAS BEEN COVERED BY CONCRETE, ASPHALT, BUILDINGS, OR OTHER STRUCTURES. YARDS, OPEN AREAS BETWEEN BUILDINGS AND STREETS, AND OTHER AREAS THAT HAVE NOT BEEN URBANIZED HAVE GOOD POTENTIAL FOR BUILDING SITE DEVELOPMENT AND FOR LAWN GRASSES, SHADE TREES, ORNAMENTAL TREES, SHRUBS, VINES, AND VEGETABLE GARDENS. AREAS THAT HAVE BEEN VERY DEEPLY EXCAVATED ARE GENERALLY DROUGHTY AND THUS HAVE POOR POTENTIAL FOR MOST TYPES OF VEGETATION. SLOPES RANGE FROM 0 TO 45 PERCENT SLOPES. THE ASSIGNED KW ERODIBILITY FACTOR IS .37. THIS SOIL IS WELL DRAINED, THE SLOWEST PERMEABILITY WITHIN 60 INCHES IS MODERATE. AVAILABLE WATER CAPACITY IS VERY HIGH AND SHRINK SWELL POTENTIAL IS LOW. THIS SOIL IS NOT FLOODED AND IS NOT PONDED. THE WATER TABLE IS DEEPER THAN 6 FEET. THERE ARE NO SALINE HORIZONS. IT IS IN NONIRRIGATED LAND CAPABILITY CLASS 2E. THIS COMPONENT IS NOT A HYDRIC SOIL.

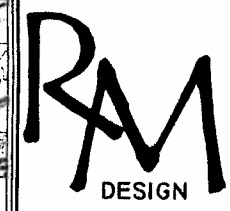
CERTIFICATION

I CERTIFY THAT I AM A DULY LICENSED LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND, AND THAT THESE DOCUMENTS WERE PREPARED UNDER MY SUPERVISION AND IN COMPLIANCE WITH THE FOREST CONSERVATION REQUIREMENTS.

GREGORY J. OSBAND
LICENSE NUMBER MD-BLA #721



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14617 FARNHAM LANE
LAUREL, MARYLAND 20707
443.812.3970

PLANNING
ARCHITECTURAL
DESIGN
PROJECT MANAGEMENT

ENGINEER CONSULTANT

RELEASED FOR:

- PERMITS ONLY
- BIDDING
- FORMS
- CONSTRUCTION

JOB TITLE:
TWINBROOK COMMUNITY CHURCH & K-5 ELEMENTARY SCHOOL
5908 Halpine Rd
Rockville, MD 20851

SHEET TITLE:
SIMPLIFIED NATURAL RESOURCES INVENTORY / FOREST STAND DELINEATION

DRAWN BY: JI
CHECKED BY: BO
GLD NO.:
DATE: 12 MAR 07
SCALE: 1"=20'
DWG. NO.:
L-1

