



City of Bloomfield Hills

45 E Long Lake Rd

Bloomfield Hills, MI 48304

Phone: (248) 644-4200 | Fax: (248) 644-0972

Tree Summary

Upon submitting plans for new construction of a home on a lot in Bloomfield Hills, an application for a tree removal permit shall be submitted to the building official along with a tree survey that includes the following information for each tree: Common and Botanical name, size (diameter), condition, whether it is a landmark or regulated tree and if it is exempt from replacement as described in Chapter 22 of the City of Bloomfield Hills Code of ordinances.

Calculations shall be provided for the following:

Tree Removal Summary

Total trees surveyed on site:

Total trees to remain:

Total trees to be removed:

Total trees exempt - within building envelope:

Total trees exempt - within driveway area:

Total trees exempt - utility installation:

Total allowable trees to be removed - dead, or removable trees as listed under ordinance Sec. 22-23

Net removed trees To Be Replaced:

Replacement Ratio

Regulated trees to be replaced:

50% of the total DBH combined of each tree

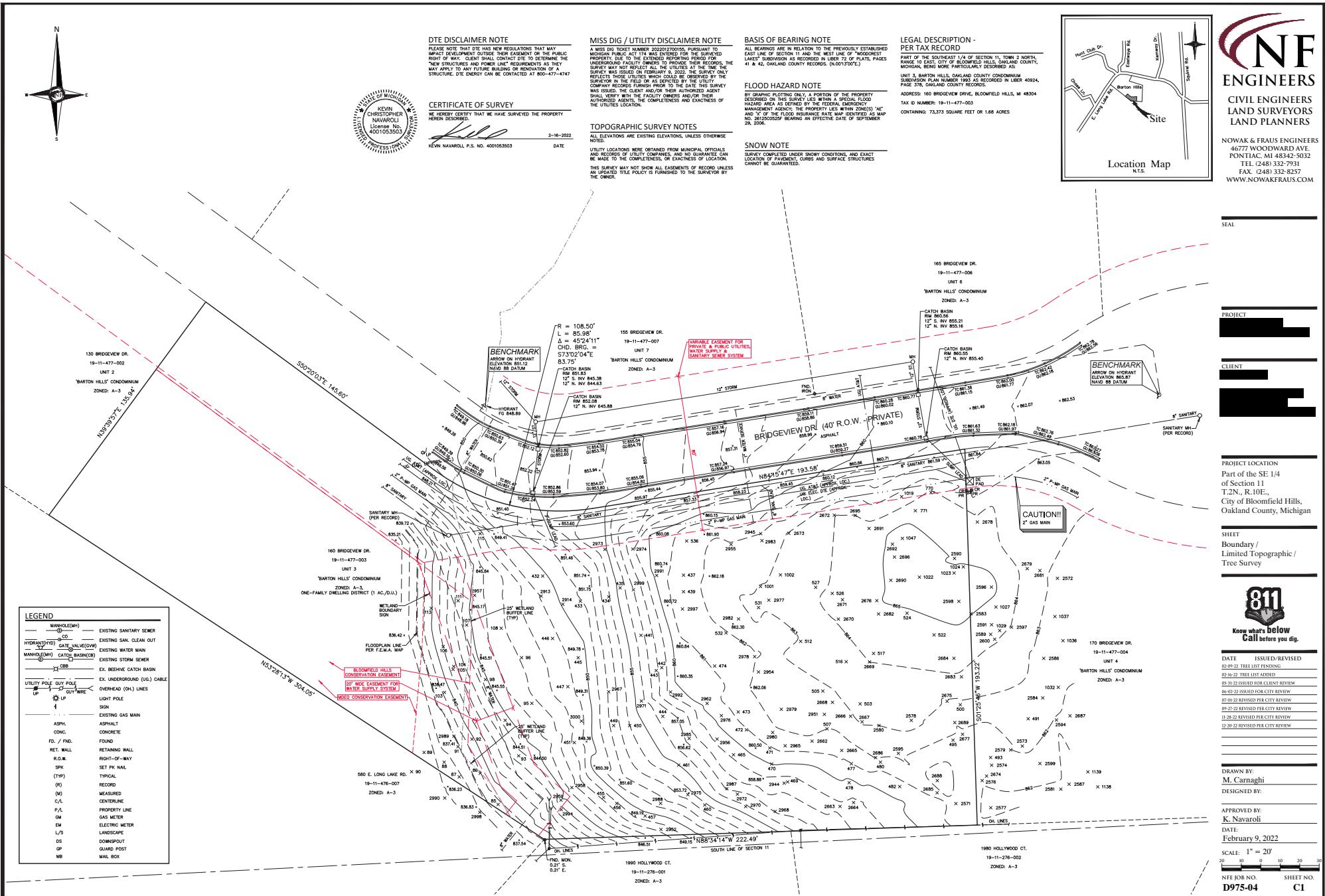
Replacement coniferous trees must have minimum 3" DBH

Replacement deciduous trees must be minimum 8' in height

Landmark trees to be replaced:

100% of the total DBH combined for each tree

Replacement coniferous trees must have minimum 5" DBH



1027	Quercus velutina	Black Oak	26' twin	22	Good
1029	Quercus velutina	Black Oak	34' twin	30	Good
1032	Quercus alba	White Oak	48		Good
1036	Prunus avium	Black Cherry	15		Good
1037	Quercus velutina	Black Oak	22		Good
1047	Quercus velutina	Black Oak	42		Good
1138	Quercus alba	White Oak	46		Good
1139	Acer nigrum	Red Maple	15		Good
2571	Prunus serotina	Black Cherry	4"		Poor
2572	Prunus serotina	Black Cherry	8"		Poor
2573	Quercus alba	White Oak	24"		Poor
2574	Prunus serotina	Black Cherry	13"		Good
2576	Prunus serotina	Black Cherry	7"		Poor
2577	Prunus serotina	Black Cherry	4"		Poor
2578	Prunus serotina	Black Cherry	9"		Poor
2579	Acer platanoides	Norway Maple	8"		Poor
2580	Prunus serotina	Black Cherry	5"		Poor
2581	Acer platanoides	Norway Maple	5"		Poor
2583	Prunus serotina	Black Cherry	6"		Fair
2584	Prunus serotina	Black Cherry	4"		Dead
2585	Prunus serotina	Black Cherry	10"		Poor
2586	Prunus serotina	Black Cherry	8"		Good
2587	Acer platanoides	Norway Maple	6"		Poor
2588	Prunus serotina	Black Cherry	5"		Poor
2589	Prunus serotina	Black Cherry	5"		Fair
2590	Quercus velutina	Black Oak	14"		Good
2591	Acer platanoides	Norway Maple	4"		crowded
2594	Prunus serotina	Black Cherry	6"		Fair
2595	Prunus serotina	Black Cherry	11"		Fair
2596	Prunus serotina	Black Cherry	9"		Fair
2597	Acer platanoides	Norway Maple	7"		Good
2598	Prunus serotina	Black Cherry	10"		Fair
2599	Prunus serotina	Black Cherry	4"		Fair
2600	Acer platanoides	Norway Maple	10"		Fair
2602	Prunus serotina	Black Cherry	6"		Fair
2603	Prunus serotina	Black Cherry	6"		Dead
2604	Prunus serotina	Black Cherry	7"		Poor
2605	Prunus serotina	Black Cherry	6"		Fair
2606	Prunus serotina	Black Cherry	6"		Dead
2608	Prunus serotina	Black Cherry	5"		Fair
2609	Prunus serotina	Black Cherry	4"		45' tree
2670	Acer platanoides	Norway Maple	9"		Fair
2671	Prunus serotina	Black Cherry	8"		Fair
2672	Prunus serotina	Black Cherry	8"		Fair
2673	Prunus serotina	Black Cherry	6"		Fair
2674	Prunus serotina	Black Cherry	6"		Fair
2675	Prunus serotina	Black Cherry	6"		Fair
2676	Acer platanoides	Norway Maple	16' twin	13"	Good
2677	Prunus serotina	Black Cherry	6"		Fair
2678	Prunus serotina	Black Cherry	6"		Good
2679	Prunus serotina	Black Cherry	8"		Fair
2681	Acer platanoides	Norway Maple	6"		Good
2682	Prunus serotina	Black Cherry	7"		Fair
2683	Prunus serotina	Black Cherry	9"		Good
2684	Acer platanoides	Norway Maple	6"		Good
2685	Prunus serotina	Black Cherry	8"		Good
2686	Acer platanoides	Norway Maple	12"		Good
2687	Prunus serotina	Black Cherry	13"		Fair
2688	Acer platanoides	Norway Maple	6"		Good
2689	Prunus serotina	Black Cherry	11"		Fair
2690	Prunus serotina	Black Cherry	7"		Fair
2691	Prunus serotina	Black Cherry	6"		15' lean
2692	Prunus serotina	Black Cherry	6"		This canopy
2693	Prunus serotina	Black Cherry	10"		Fair
2694	Prunus serotina	Black Cherry	6"		Fair
2695	Prunus serotina	Black Cherry	10"		Fair
2696	Prunus serotina	Black Cherry	6"		Poor crown, vines
2697	Prunus serotina	Black Cherry	6"		15' lean
2913	Acer platanoides	Norway Maple	6"		Good
2914	Quercus velutina	Black Oak	6"		Good
2944	Prunus serotina	Black Cherry	5"		Poor
2945	Acer platanoides	Norway Maple	9"		Lean, poor crown
2951	Quercus alba	White Oak	12"		Good
2952	Quercus velutina	Black Oak	5"		Poor
2954	Prunus serotina	Black Cherry	6"		Topped by utility co
2955	Prunus serotina	Black Cherry	6"		Fair, broken limb
2956	Prunus serotina	Black Cherry	6"		Fair
2957	Prunus serotina	Black Cherry	6"		Fair
2958	Prunus serotina	Black Cherry	6"		Dead
2959	Prunus serotina	Black Cherry	5"		Dead
2962	Prunus serotina	Black Cherry	5"		Fair
2965	Prunus serotina	Black Cherry	7"		Fair
2967	Quercus alba	White Oak	6"		Good
2968	Acer platanoides	Norway Maple	6"		Fair
2979	Prunus serotina	Black Cherry	20' twin	14"	Fair
2980	Prunus serotina	Black Cherry	4"		competition
2982	Prunus serotina	Black Cherry	5"		Fair
2983	Prunus serotina	Black Cherry	15"		Fair
2985	Fraxinus pennsylvanica	Green Ash			Dead
2987	Acer platanoides	Norway Maple	14"		Good
2988	Prunus serotina	Black Cherry	4"		Poor
2989	Acer platanoides	Norway Maple	4"		Lean, poor crown
2990	Quercus alba	White Oak	12"		Poor
2991	Prunus serotina	Black Cherry	4"		75' lean
2992	Quercus velutina	Black Oak	6"		Good
2994	Acer platanoides	Norway Maple	15"		Good
2995	Quercus alba	White Oak	8"		Good
2998	Quercus velutina	Black Oak	5"		Good
2999	Quercus alba	White Oak	6"		Fair
3000	Acer platanoides	Norway Maple	6"		Good

SOIL EROSION CONTROL

CUTTING, FILLING AND GRAVING SHALL BE MINIMIZED AND THE NATURAL TOPOGRAPHY OF THE SITE SHALL BE PRESERVED TO THE MAXIMUM POSSIBLE EXTENT, EXCEPT WHERE SPECIFIC PROVISIONS ARE MADE. MINIMAL ALTERATIONS WILL STILL MEET THE PURPOSE AND REQUIREMENTS OF THIS ORDINANCE.

DEVELOPMENT SHALL BE STAGED TO KEEP THE EXPOSED AREAS OF SOIL AS SMALL AS PRACTICABLE.

SOIL EROSION CONTROL MEASURES SHALL BE INSTALLED BETWEEN THE DISTURBED AREA AND ANY EXISTING WATER COURSES, STREAMS, CREEKS, PONDS OR BODIES OF WATER AND THEN WATERCOURSES, WETLANDS, OR ROADWAYS OR NEAR THE SITE.

TEMPORARY AND PERMANENT SOIL EROSION CONTROL MEASURES DESIGNED AND CONSTRUCTED FOR THE CONVEYANCE OF WATER AROUND A DRIVEN PILE OR A BARRIER SHALL BE CONSIDERED AS A WATER COURSE, STREAM, CREEK, POND OR BODY OF WATER.

TEMPORARY SOIL EROSION CONTROL MEASURES SHALL BE REMOVED AFTER PERMANENT SOIL EROSION CONTROL MEASURES ARE IMPLEMENTED. ALL SITE SHALL BE STABILIZED WITH PERMANENT SOIL EROSION CONTROL MEASURES.

IF LAKE, RIVERS, CREEKS, STREAMS, OR WETLANDS ARE LOCATED ON OR NEAR THE SITE, EROSION CONTROL MEASURES SHALL BE DESIGNED AND CONSTRUCTED AS SOON AS POSSIBLE AT STRATEGIC LOCATIONS. STREAM BANKS MAY BE USED AS TEMPORARY STABILIZED EROSION CONTROL MEASURES. THE USE OF STREAM BANKS AS EROSION CONTROL MEASURES IS RECOMMENDED. THE USE OF STREAM BANKS, FILTER FABRIC, VEGETATED BUFFER STRIPS, AND ROCK FILTERS AS EROSION CONTROL MEASURES IS RECOMMENDED. THE USE OF STREAM BANKS MAY BE REQUIRED IF REASONABLY DETERMINED TO BE NECESSARY TO PROTECT A WATERCOURSE OR WETLAND.

WHEN IT IS NOT POSSIBLE TO PERMANENTLY STABILIZE A DISTURBED AREA AFTER AN EARTH QUAKE, SOIL EROSION CONTROL MEASURES OF APPROPRIATE ACTIVITY CLASSES, TEMPORARY SOIL EROSION CONTROL MEASURES SHALL BE INSTALLED.

PERMANENT EROSION CONTROL MEASURES FOR ALL SLOPES, CHANNELS, DITCHES, OR ANY DISTURBED AREA SHALL BE DESIGNED AND CONSTRUCTED AS SOON AS POSSIBLE. AFTER FINAL GRADING OR THE FINAL EARTH CHANGE HAS BEEN COMPLETED, ALL TEMPORARY SOIL EROSION CONTROL MEASURES SHALL BE REMOVED AND PERMANENT SOIL EROSION CONTROL MEASURES ARE IMPLEMENTED.

VEGETATED BUFFER STRIPS SHALL BE PLANTED AND RETAINED ALONG THE EDGE OF ALL LAKE, RIVER, CREEK, STREAM, OTHER WATERCOURSES, OR WETLANDS.

EROSION AND SEDIMENTATION CONTROL MEASURES SHALL RECEIVE REGULAR MAINTENANCE TO ENSURE PROPER FUNCTION.

ALL EROSION AND SEDIMENTATION SPECIFICATIONS, INCLUDING EXTENSIONS OF PREVIOUSLY APPROVED PLANS, SHALL INCLUDE PROVISIONS FOR EROSION AND SEDIMENT CONTROL IN ACCORDANCE WITH THE REQUIREMENTS CONTAINED IN THE STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, PUBLISHED BY THE OAKLAND SOIL CONSERVATION DISTRICT.

SOIL EROSION CONTROL - SEQUENCE OF OPERATION (NEW CONSTRUCTION)

INSTANTLY CONCRETE ACROSS THE SITE AND TEMPORARY COVERS AT THE SITE ENTRANCE IF INDICATED ON THE PLANS.

INSTALL SILT FENCE OR SILT BARRIER ALONG PROPERTY LINES AND PROVIDED BY THE CONTRACTOR.

REMOVES ALL EXISTING SOIL, ROCK, AND STONE FROM THE SITE.

EXCAVATE A SHALLOW PILE/NOTCH AROUND PERIMETER OF SITE. SPACE THE TEMPORARY STONE WALLS AS NECESSARY TO PROTECT EXISTING UPSTREAM PROPERTY LINE.

IF INDICATED ON CONSTRUCTION PLANS, SEDIMENTATION RAILS, DETENTION POND, ETC. SHALL—033 BE CONSTRUCTED PRIOR TO THE INSTALLATION OF ANY OTHER WORK.

STABILIZE EXISTING TOPSOIL, VEGETATION AND ORGANIC MATTER FROM BUILDING PAD AND PARCEL 1 AREA. STABILIZATION SHALL BE PROVIDED BY THE CONTRACTOR. BLOOMFIELD HILLS CONDOMINIUM BUFFER OF 10' OF EXISTING VEGETATION WHEREVER POSSIBLE AROUND SITE PERIMETER.

STABILIZE EXISTING TOPSOIL, VEGETATION AND ORGANIC MATTER FROM BUILDING PAD AND PARCEL 1 AREA.

EXCAVATE AND INSTALL UNDERGROUND UTILITIES. INSTALL PEATONE PIPE REINFORCED WIRING (1 AC/U).

ALL EXISTING UTILITIES SHALL BE PROTECTED FROM EROSION AND SEDIMENT INFILTRATION.

STORM SEWER FACILITIES SHALL BE PROTECTED FROM EROSION AND SEDIMENT INFILTRATION.

COMMENCE FINAL GRADING AND TRIMMING OPERATIONS. PREPARE SUBGRADE FOR INSTALLATION OF PROPOSED PAVEMENT.

SEED AND MULCH ALL DISTURBED SITE AREAS AND INSTALLED SITE LANDSCAPING.

REMOVE THE EXISTING SOIL AND JET VAC NEWLY INSTALLED SITE SEWER SYSTEM AS PROVIDED FOR IN THE INDIVIDUAL CONTRACT.

REMOVE ALL REMAINING TEMPORARY SOIL EROSION AND SEDIMENTATION CONTROL MEASURES ONCE CONSTRUCTION IS COMPLETED.

REMOVES POSSIBLE SITE GROUT WITHIN SIX INCHES (6") OF THE PROPOSED FINAL GRADE PRIOR TO INSTALLATION OF UNDERGROUND FACILITIES.

STABILIZATION OF PROPOSED WORK SHALL BE COMPLETED BY THE CONTRACTOR AS REQUIRED TO ENSURE PROGRESSIVE STABILIZATION OF DISTURBED AREAS.

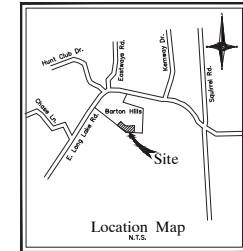
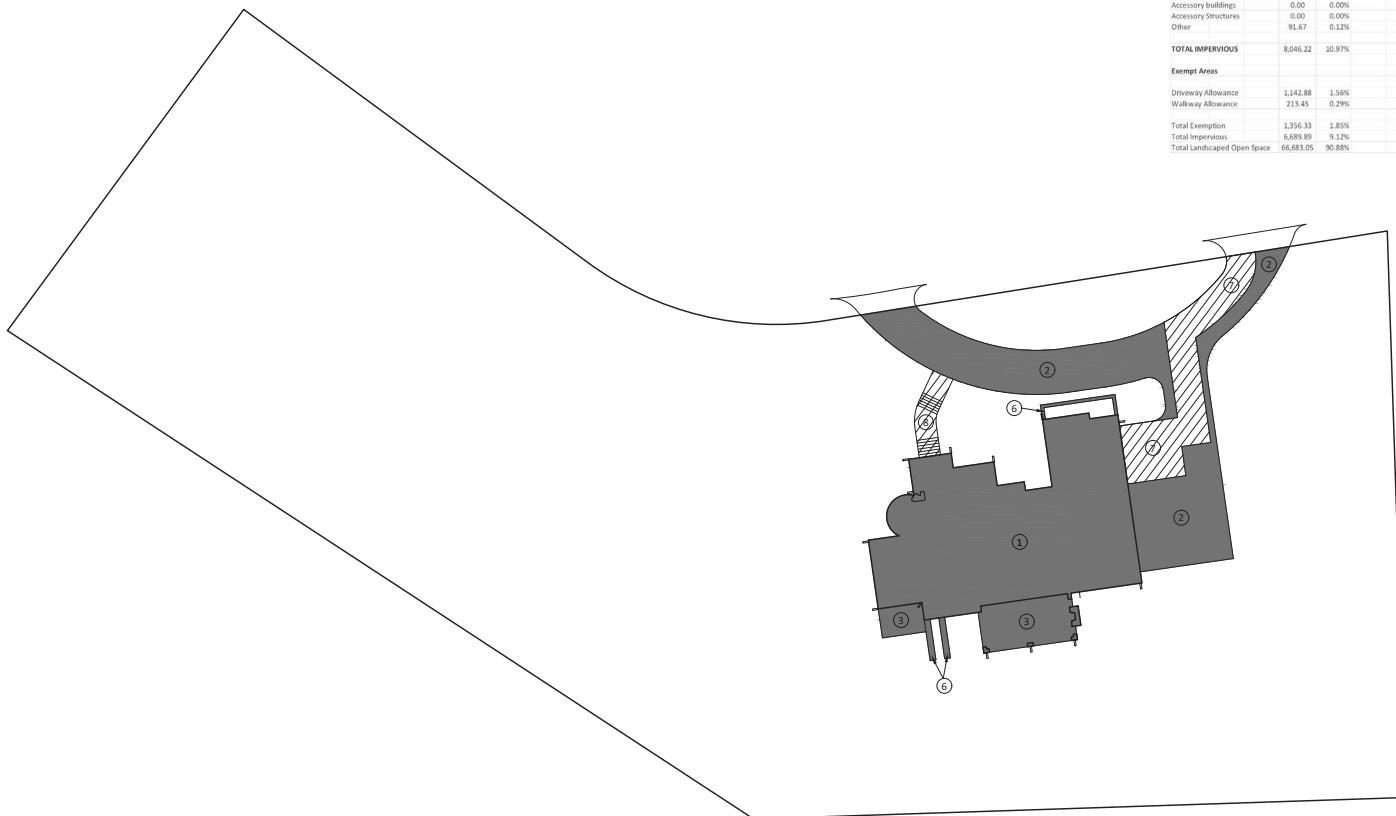
SECTION THROUGH RETAINING WALL

N.T.S.

SECTION THROUGH RETAINING WALL

N.T.S.

GENERAL PAVING NOTES



NF
ENGINEERS

CIVIL ENGINEERS
LAND SURVEYORS
LAND PLANNERS

NOWAK & FRAUS ENGINEERS
46777 WOODWARD AVE
PONTIAC, MI 48342-5032
TEL: (248) 332-7931
FAX: (248) 332-8257
WWW.NOWAKFRAUS.COM



PROJECT [REDACTED]

CLIENT [REDACTED]

PROJECT LOCATION
Part of the SE 1/4
of Section 11
T.2N., R.10E.,
City of Bloomfield Hills,
Oakland County, Michigan

SHEET
Landscaped Open
Space Plan



Know what's below
Call before you dig.

DATE ISSUED/REVISED
01-06-2011 101340000
01-06-2011 ISSUED FOR CITY REVIEW
01-02-22 ISSUED FOR CITY REVIEW
01-02-22 REVISED FOR CITY REVIEW
01-27-22 REVISED FOR CITY REVIEW
01-29-22 REVISED FOR CITY REVIEW
01-29-22 REVISED FOR CITY REVIEW
02-02-22 REVISED FOR CITY REVIEW

DRAWN BY:
R. Johnson

DESIGNED BY:
B. Bricel

APPROVED BY:
B. Bricel
DATE:
February 9, 2022

SCALE: 1" = 20'
20 10 0 10 20 30
NFE JOB NO. SHEET NO.
D975-04 C5



Scale: 1" = 10'

REVISI0NS:

Date: 11-18-22

TREE REMOVAL SUMMARY

TOTAL TREES SURVEYED:
TOTAL TREES TO REMAIN:
TOTAL TREES TO BE REMOVED:
TOTAL TREES EXEMPT, BUILDING ENVELOPE:
TOTAL TREES EXEMPT, SIDEWALK/UTILITY:
TOTAL ALLOWABLE REMOVABLE TREES (DEAD):
NET REMOVED TREES TO BE REPLACED:
REGULATED TREES TO BE REPLACED:
154 TOTAL DBH (2 TREES) X 50% = 77.3" = 25.6 OR 26 TREES AT 3" CAL
NON-EXEMPT LANDMARK TREES TO BE REPLACED:
256 TOTAL DBH (4 TREES) X 100% / 5" = 51.2 OR 51 TREES AT 5" CAL

TOTAL TREES SURVEYED:
TOTAL TREES TO REMAIN:
TOTAL TREES TO BE REMOVED:
TOTAL TREES EXEMPT, BUILDING ENVELOPE:
TOTAL TREES EXEMPT, SIDEWALK/UTILITY:
TOTAL ALLOWABLE REMOVABLE TREES (DEAD):
NET REMOVED TREES TO BE REPLACED:
REGULATED TREES TO BE REPLACED:
186 TREES
115 TREES
70 TREES
33 TREES
5 TREES
1 TREE
2 TREES
29 TREES

REGULATED TREES (18) REQUIRED MIN. 3" DBH OR 8' EVERGREEN TREES
(6) MAPLE FREEMAN 'ARMSTRONG' 4"
(2) BEECH 'DAWYCK PURPLE' 4"
(1) EUROPEAN HORNBEAM 'FASTIGIATA' 4"

LANDMARK TREES (6) LANDMARK TREES REQUIRED MIN. 5"
(14) NORWAY SPRUCE 12-14
(3) TREE CREDIT FOR USING 12+ EVERGREENS TREES

(0) BALANCE OF TREES REQUIRED



GETTHESEMANE
Master Landscape Architectural Builders
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Site Design • Construction • Land Planning • Installation