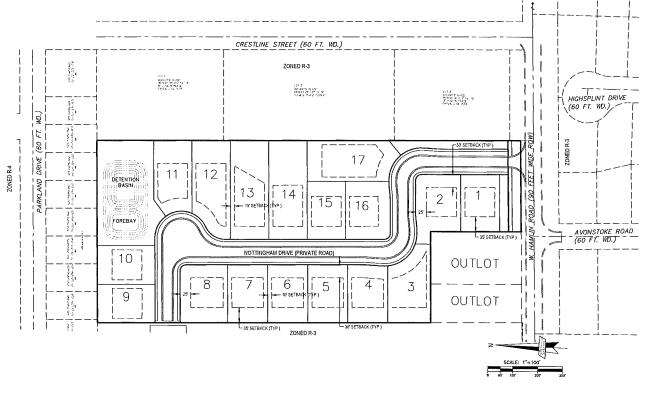
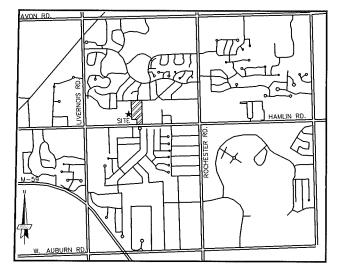
GENERAL NOTES

- ALL PROPOSED ROADS ARE TO BE PRIVATE. ALL ROAD PAVEMENT AND STORM DRAINAGE SHALL BE IN ACCORDANCE WITH CURRENT STANDARDS AND SPECIFICATIONS OF THE CITY OF ROCHESTER HILLS, AND THE ROAD COMMISSION FOR OAKLAND COUNTY (RCOC) WHERE APPLICABLE, WITH CONCRETE CURB AND GUTTER, ALL ROADS SHALL BE 27 FT, WIDE, BACK-TO-BACK OF CURBS TOTAL LENGTH OF PROPOSED ROADS (MEASURED CENTERLINE-TO-CENTERLINE) IS 1235 II
- THE STORM DRAINAGE SYSTEM WILL INCLUDE STORM SEWER PIPES AND CATCH BASINS DISCHARGING TO A NORTHERN AND SOUTHERN DETENTION BASIN. THE DESIGN OF THE STORM WATER SYSTEM WILL MEET THE CITY OF ROCHESTER HILLS STANDARDS WITH THE DETENTION SYSTEMS DESIGNED TO PROVIDE FOR 10-YEAR STORM LEVELS BOTH DETENTION BASINS WILL OUTLET TO AN EXISTING COUNTY DRAIN THROUGH A CONTROLLED OUTLET.
- POTABLE WATER SUPPLY SOURCE WILL BE FROM EXISTING CITY OF ROCHESTER HILLS WATER SUPPLY SYSTEM. THE PROPOSED WATER DISTRIBUTION SYSTEM SERVICING THE SITE WILL BE CONNECTED TO AN EXISTING 16" WATER MAIN THAT RUNS THROUGH PHASE 1 OF THE SITE. THE EXISTING WATER MAIN WILL REMAIN IN PLACE, AS IS.
- UNDERGROUND GAS, ELECTRIC, TELEPHONE, AND CABLE TV LINES WILL BE LOCATED IN 10 FT. WIDE
- 6. OPEN SPACE AREAS ARE PRIVATE AND FOR THE ENJOYMENT OF NOTTINGHAM WOODS RESIDENTS
- MAXIMUM 20 FT. WIDE EASEMENTS WILL BE PROVIDED FOR STORM SEWERS, SANITARY SEWERS WATER DETENTION PONDS. DETAILED EASEMENT INFORMATION WILL BE INCLUDED IN THE FINAL
- FIRE LANES TO BE PROVIDED ON INTERIOR STREETS AND PARKING TO BE ALLOWED ON ONE SIDE OF THE STREET ONLY.
- 10. SIDEWALKS ARE PROPOSED ON BOTH SIDES OF THE ROADS, SIDEWALKS WILL BE DELINEATED IN
- 11. ALL DIMENSIONS ARE TO BACK OF CURB, IF APPLICABLE.
- 12. ALL PROPOSED WATER MAINS SHALL BE CENTERED IN A 20' EASEMENT.
- 13. SEWER MAIN AND MANHOLE LOCATIONS ARE CONCEPTUAL FINAL LOCATIONS TO BE DETERMINED.
- 14. PRIOR TO CONSTRUCTION PERMIT APPROVAL OWNER TO COMPLETE SOIL BORINGS TO DETERMINE WATER TABLE FLEVATION AND SOIL PERCOLATION RATES DETENDING BASIN BOTTOM FLEVATION TO BE CONSTRUCTED BELOW THE OUTLET INVERT, ALLOWING FOR INFILTRATION BASED OF
- 15. A PRIVATE ROAD EASEMENT WILL BE RECORDED AS PART OF THE CONOCIMINUM DOCUMENTS AND WILL INCLUDE LANGUAGE ALLOWING FOR FUTURE EXTENSION OF NOTTINGHAM DRIVE TO THE WEST.
- FINAL GRADING OF LOTS TO MEET CITY OF ROCHESTER HILLS AND MICHIGAN BUILDING CODE (2009) STANDARD REQUIREMENTS.
- FINAL CONFIGURATION OF THE TREE PRESERVATION AREA MAY CHANGE BASED ON DETERMINATION OF FINAL REQUIREMENTS FOR DETERMINATION.

NOTTINGHAM WOODS

VANGUARD COMPANIES PRELIMINARY SITE PLAN **ROCHESTER HILLS** OAKLAND COUNTY, MI





LOCATION MAP

BENCHMARK DATA

SOURCE: GPS, NAVD 88 AND CONVERTED USING VERTOON TOOL AVAILABLE ON THE NGS WEBSITE

SITE BENCHMARK NO. 1 BENCHMARK TIE IN NORTH FACE OF A UTILITY POLE ON THE SOUTH SIDE OF HAMLIN ROAD, +/- 160 FEET WEST OF CRESTLINE STREET. IOUT OF SCOPE OF DRAWING

SITE BENCHMARK NO. 2 ARROW ON HYDRANT AT THE SOUTHWEST CORNER OF HAMLIN ROAD AND AVONSTOKE FLEVATION=854 161

SITE BENCHMARK NO. 3 SOUTH FACE OF A UTILITY POLE, +/- 70 FEET EAST OF THE NORTHWEST CORNER OF THE PROPERTY AND +1-6 FEET NORTH OF PROPERTY LINE IN THE SEAR YARD OF ELEVATION=849.40°

· X·X·X·X·X·X·X

. 1.1.1.1.1.1.1.1

ZONING INFORMATION

PROPOSED USE: R-3 ZONING, SINGLE FAMILY RESIDENTIAL EXISTING USE: UNDEVELOPED FARMI ANDAMOODI AND

EXISTING ZONING: R-3 RESIDENTIAL

TOTAL UNITS = 17

SETBACKS: FRONT = 30' SIDE (EACH) = 10° SIDE (TOTAL) = 20'

	REQUIRED	PROPOSE
MAXIMUM LOT COVERAGE	30%	30%
AVG. MIN. LOT WIDTH	90'	92.6"
(LOT SIZE VARIATION OPTION)		
MIN. LOT WIDTH	81'	81'
(LOT SIZE VARIATION OPTION)		
AVG. MIN LOT AREA	12,000 SF.	13,73
(LOT SIZE VARIATION OPTION)		
MIN. LOT AREA	10,800 SF.	12,076
(LOT SIZE VARIATION OPTION)		
MAXIMUM STORIES	2	2
MAXIMUM BUILDING HEIGHT	30'	30'
UNITED A CLOOP ADDA	4 000 05	0.000.00

REAR = 35

	REQUIRED	PROPOSE
AXIMUM LOT COVERAGE	30%	30%
AVG. MIN. LOT WIDTH	90'	92.6
LOT SIZE VARIATION OPTION)		
AIN. LOT WIDTH	81'	811
LOT SIZE VARIATION OPTION)		
AVG. MIN LOT AREA	12,000 SF.	13,73
LOT SIZE VARIATION OPTION)		
JIN. LOT AREA	10,800 SF.	12,076
LOT SIZE VARIATION OPTION)		
MAXIMUM STORIES	2	2
AAXIMUM BUILDING HEIGHT	30'	30'
INITRIM ELOOR AREA	1 200 SE	2 000 6

EXISTING PARCEL AREA = 8.673 ACRES

webster

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Section:	







DATE	ISSUE:
03 05 2015	PRELIM SITE PLAN SUBMITTAL
07 06 2015	REVISED PER CITY REVIEW
08 04 2015	REVISED PER CITY REVIEW
10 23 2015	REVISED PER PC REVIEW
12.02.2015	RELOCATE LOT 17
01 20 2016	REVISED PER NEIGHBORHOOD MEET NO
06 09 2016	FINAL SITE PLAN SUBMITTAL
07 26 2016	FINAL SITE PLAN SUBMITTAL
08 04 2015	FINAL SITE PLAN SUBMITTAL

VANGUARD COMPANIES

101 S. MAIN STREET ROCHESTER, MI 48037

p (248) 650-6206

SHEET INDEX

01 COVER 02 EXISTING CONDITIONS 03 SITE PLAN 04 GRADING PLAN 05 UTILITY PLAN 06 UTILITY CALCULATIONS 07 TREE PRESERVATION PLAN 08 TREE TABLE 1 OF 2

09 TREE TABLE 2 OF 2 10 SOIL BORINGS LA-01 LANDSCAPE PLAN LA-02 LANDSCAPE DETAILS

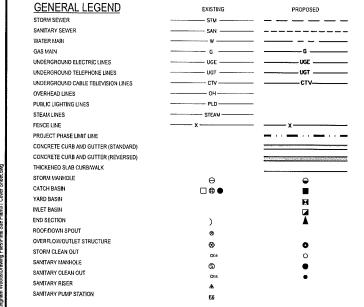
COVER

FINAL SITE PLAN NOTTINGHAM WOODS

> ROCHESTER HILLS MICHIGAN

> > Oakland County

Date:	01/27/2016
Scale:	1" = 100'
Sheet:	01
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EXISTING

PROPOSED

GATE VALVE FIRE HYDRANT UTILITY FLAG STOP BOX AND VALVE SIGN POST FDC CONNECTION GUARD POST/BOLLARD WATER METER FENCE POST POST INDICATOR VALVE PAY PHONE WELL HEAD PARKING METER IRRIGATION CONTROL BOX RESIDENTIAL MAILBOX LAWN IRRIGATION HEAD U.S. MAILBOX GAS VALVE BLDG CORNER (FIELD LOCATED) GAS MANHOLE GAS RISER WE'TI AND ET A GAS METER SPOT ELEVATION ELECTRIC MANHOLE SOIL BORING FLECTRIC RISER ELECTRIC METER ELECTRIC TRANSFORMER LIGHT POLE TELEPHONE MANHOLE C.L.F. TELEPHONE RISER TELEPHONE CROSS BOX F,F, CABLE RISER TRAFFIC CONTROL BOX AIR CONDITIONER PUBLIC LIGHTING MANHOLE F.J.P. UTILITY POLE MR E.M.

PROPOSED

₩0 xxxxx ASPHALT CONCRETE AIR CONDITIONER DOOR LEDGE FINISHED FLOOR

FOUND IRON MEASURED RECORD

CONCRETE PAVEMENT

COMPACTED SAND BACKFILL (CSB)

DEMOLITION LEGEND

REMOVE UTILITY PIPE

ABANDON UTILITY PIPE

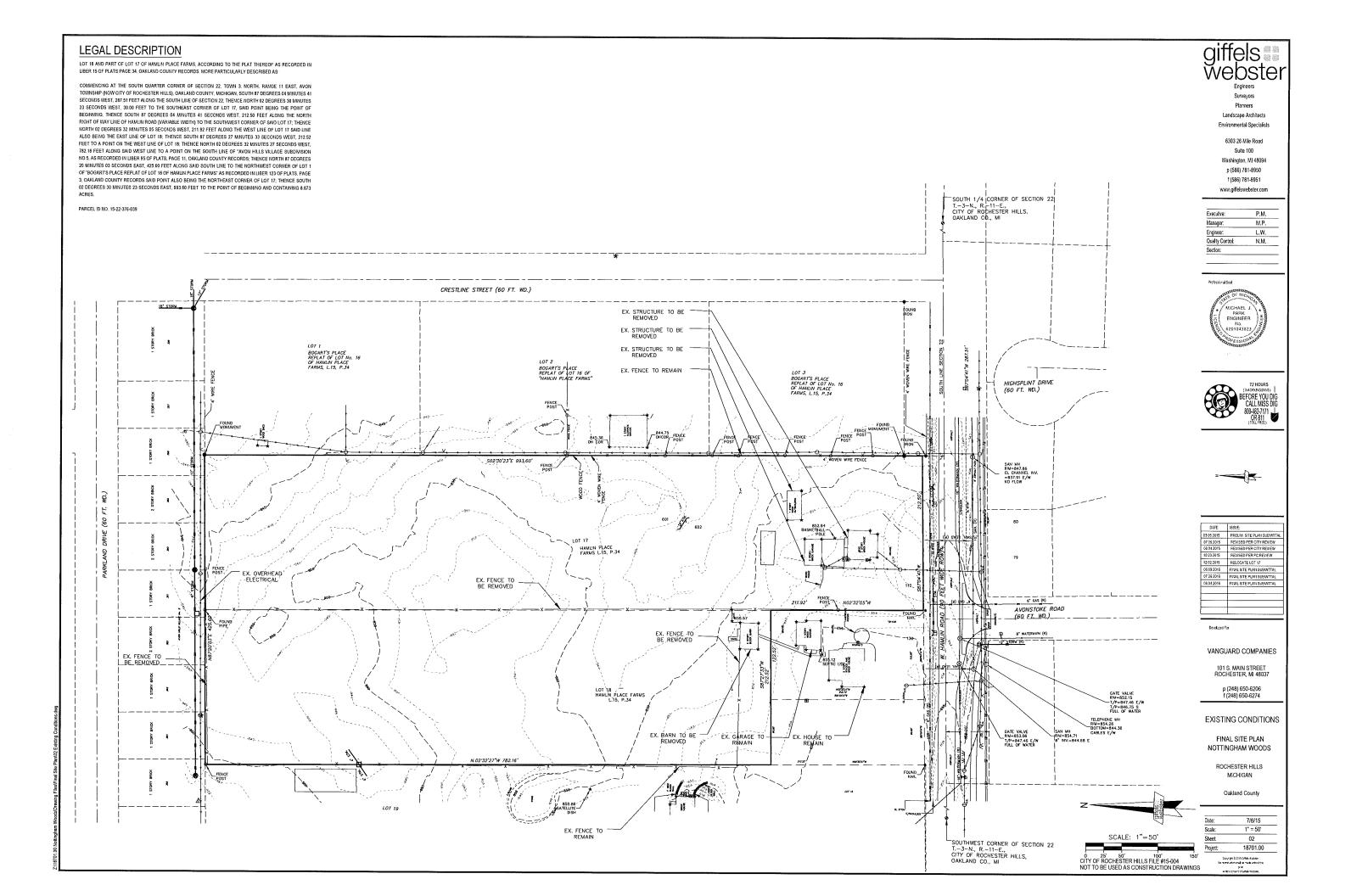
REMOVE BUILDING

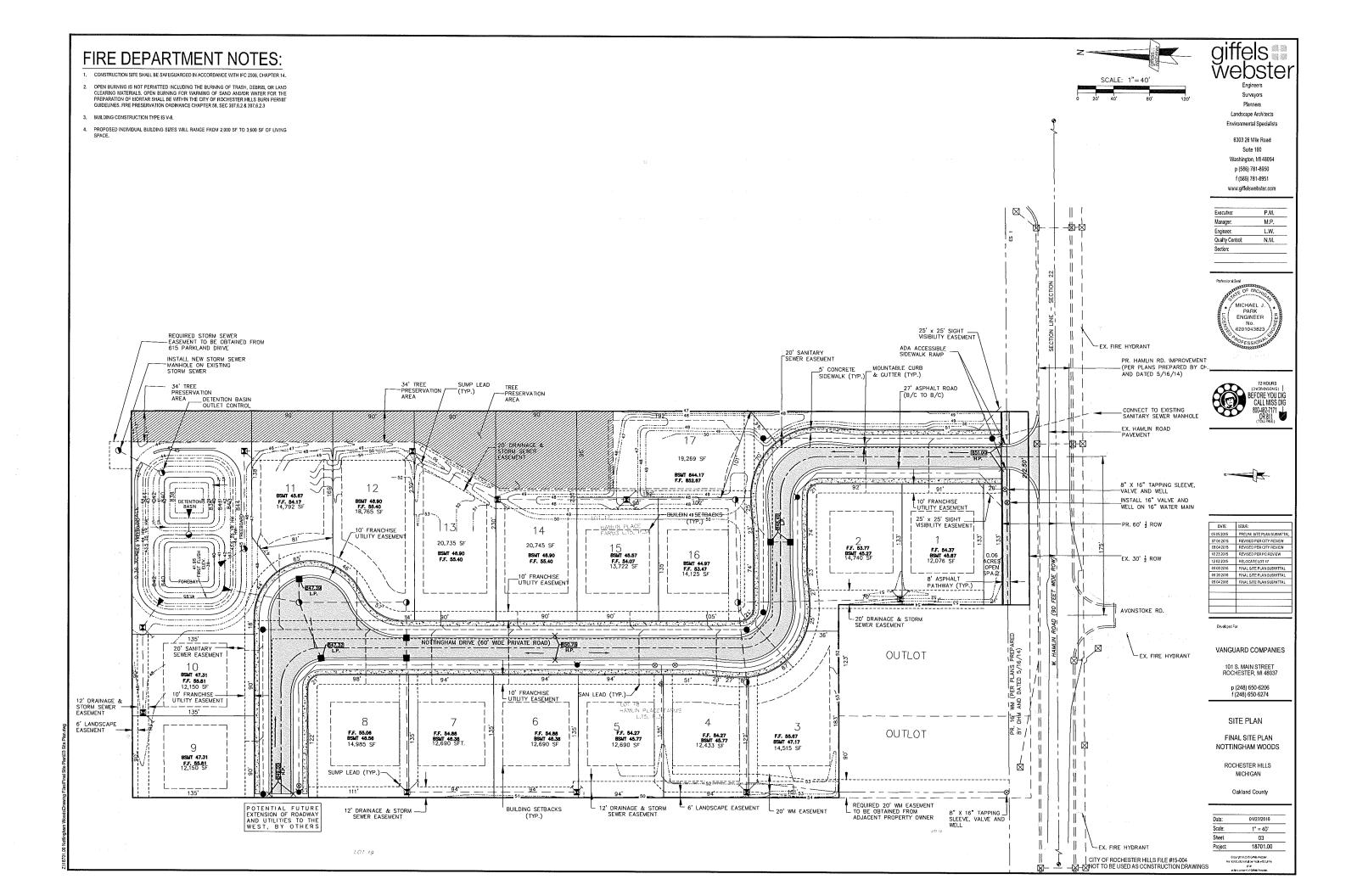
REMOVE SIDEWALK

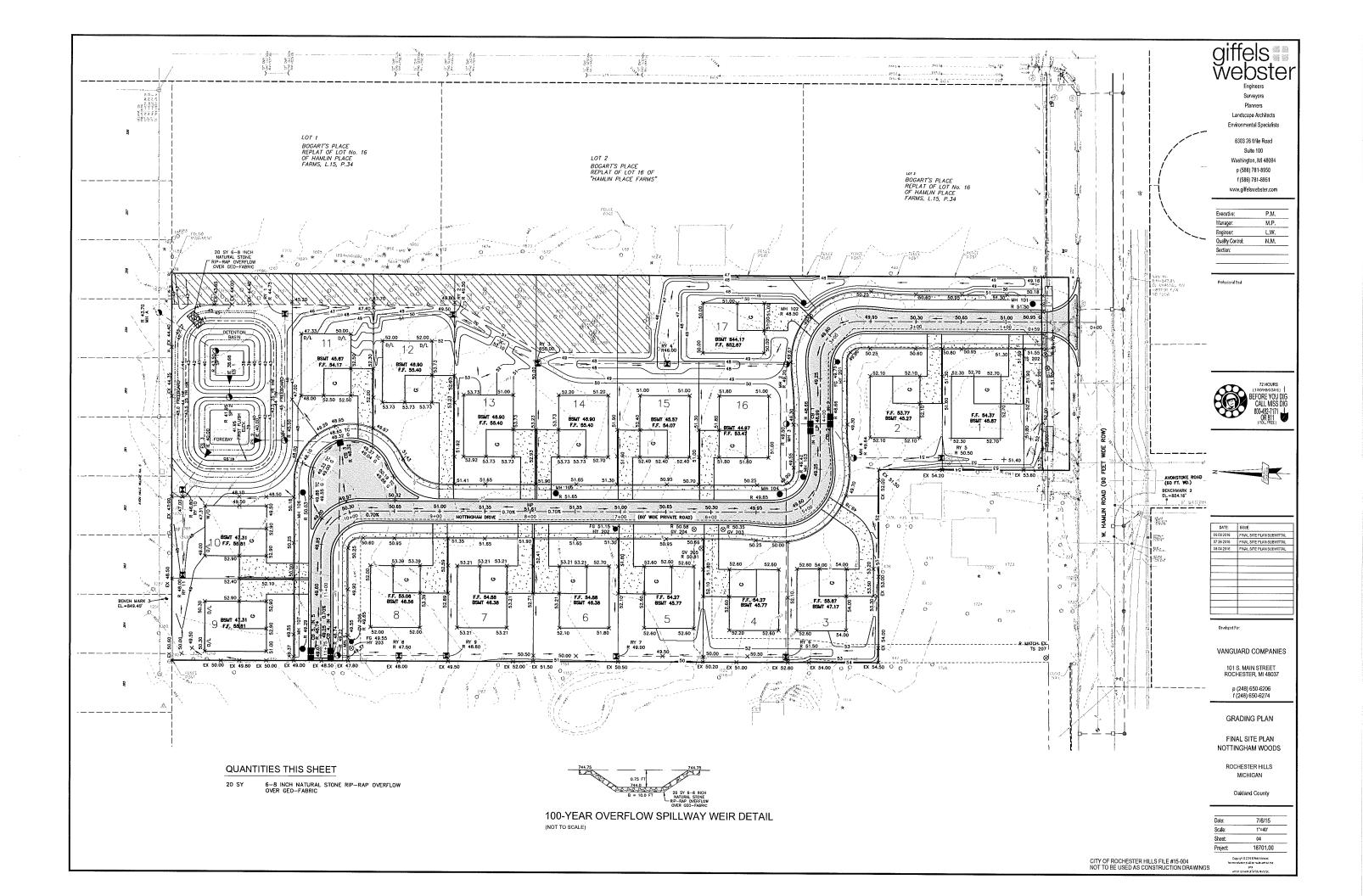
CUT AND BULKHEAD UTILITY PIPE

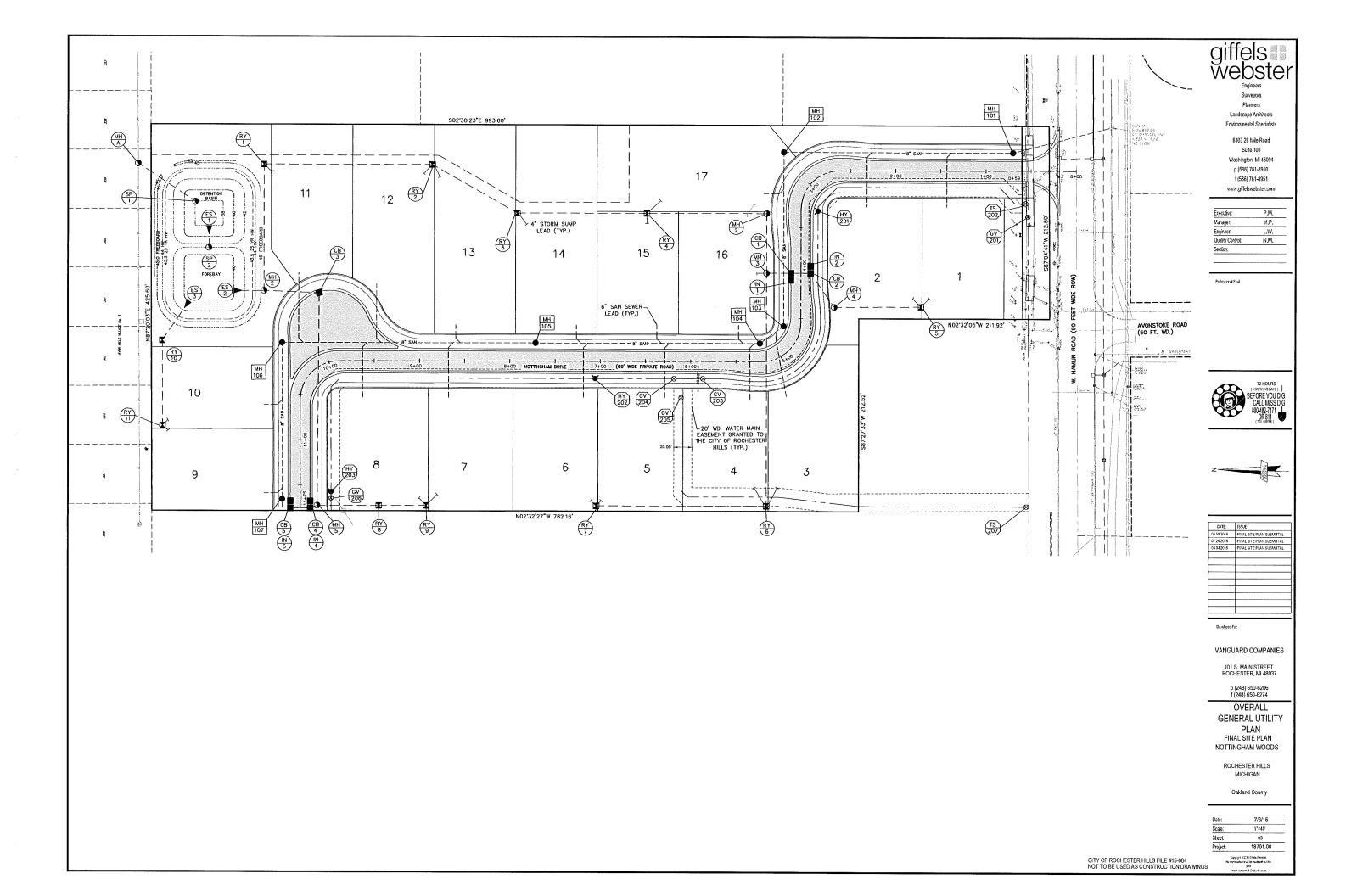
REMOVE CONCRETE PAVEMENT

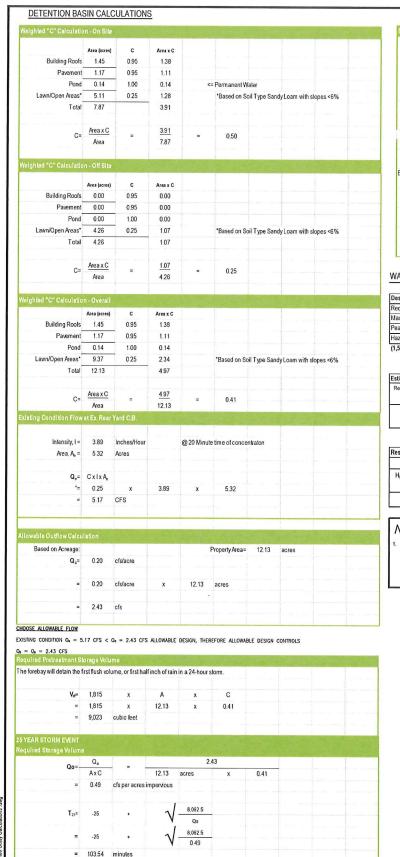
PAVING AND GRADING HATCH LEGEND











= 8,370 cubic feet per acre imprevious

= 41,612 cubic feet

 V_{z5} = V_{c25} x A x C = 8,370 x 12.13 x 0.41

		Fore	bay			Detentio	n Pond	
	Bevation	Area (sft)	Incremental Volume (cft)	Cumulative Volume (cft)	Elevation	Area (sft)	Incremental Volume (cft)	Cumulative Volume (cft)
Freeboard					845	.18323		
							17,482	0
High Water					844	16655		
							15,209	36,860
Top of Forebay Storage	842	5315			843	13807		
			4,600	10,055			9,280	21,651
	841	3920			842	5399		
			3,302	5,455			5,150	12,371
	840	2720			841	4905		
			2,153	2,153			3,792	7,221
Bottom of Detention Pond /Forebay	839	1632			840	2779		
							2,201	3,429
					839	1669		
							1,229	1,229
					838	836		
F	orebay Volun	ne Provided=	10,055	cubic feet	Total Volum	ne Provided=	46,915	cubic feet
F	orebay Volum	e Required=	9,023	cubic feet	Total Volum	e Required=	41,612	cubic feet

WATER FIRE FLOW CALCULATIONS

Design Criteria	
Required Fire Flow	1,500 GPM with a residual pressure of 20 psi
Maximum Day Flow	17 REUs x 1,000 gallons/day/REU = 17,000 gallons/day = 12 gpm
Peaking Factor	Avg Max Day Demand * 2 = 12 gpm * 2 = 24 gpm
Hazen & Williams	C = 120

57

Estimate Residual Pressu	re at Fire Hydrant with 1,524 GPM De	mand (1,500 GPM Fire Suppression + 24 GPM Max	imum Day Demand)
Residual Flow, Qr (GPM) Q _r (gpm)	Static Pressure @ Test Hydrant P _s (psi)	Calculated Residual Pressure @ 1,524 gpm Prisza (psi)	Residual Pressure at Test Hydrani P _r (psi)
1962	57	$1,524 = Q_r \times ((P_s - P_{r1524})/(P_s - P_r))^{0.54}$	44

 $P_{r1524} = 49 \text{ psi}$

H _f	L (ft.)	С	Q (gpm)	D (in.)
H _f = 0.002083 L (100/C) ^{1 65} x (Q ^{1.55} /d ^{4/6655}) H _f = 50.3 ft = 21.8 psi	1,100	120	1,524	8

NOTES:

1962

SOIL BORINGS. TO DETERMINE SOIL PERCOLATION RATES ARE PROVIDED ON SHEET 10. IF INSUFFICIENT PERCOLATION RATES ARE INDICATED, THEN DRY WELLS WILL BE REQUIRED FOR PERMITTING AS AN ALTERNATIVE MEANS TO OBTAIN A SUFFICIENT RATE OF INFILTRATION.

SANITARY SEWER CALCULATIONS

TE CANITADY CENTER DELLA	ND				
TE SANITARY SEWER DEMA	NU				
Number of Lots =	17				
Population = 1	Number of	Lots x 3.5			
=	17	lots	x	3.5	people per lot
=	60	people			
Average Flow=		Population x Po		_	
	Gallo	ns per Cubic F	oot x Second	s per Day	
=	59.50	people	x	100	gpcpd
-	7.48	gal/cft	x	86,400	sec/day
-	0.01	CFS	or	4.13	GPM
Peaking Factor =	4.00				
Peak Flow = A	werage Flo	ow x Peaking F	actor		
	0.01	people	x	4.00	
	0.04	CFS	or	16.53	GPM
EXISTING PIPE CAPACITY					
Min. Pipe Slope =	0.40	%			
Pipe Diameter =	8	Inch			
N =	0.013				
Pipe Capacity (Hazen Williams) =	0.76	CFS			

MATE SANITARY SEWER	DEMAND	(EXTENSION	OF SEWE	R OFF-SITE TO	WEST)
Number of Lots =	21				
Population =	Number of	Lots x 3.5			
=	21	lots	x	3.5	people per lot
=	74	people			
Average Flow=		Population x P	er Capita C	apacity	
	Gallo	ns per Cubic I	Footx Seco	nds per Day	
=	73.50	people	x	100	gpcpd
-	7.48	gal/cft	х	86,400	sec/day
=.	0.01	CFS	or	5.10	GPM
Peaking Factor =	4.00				
Peak Flow = /	lverage Flo	ow x Peaking I	Factor		
=	0.01	people	x	4.00	
=	0.05	CFS	or	20.42	GPM
ISTING PIPE CAPACITY					
Min. Pipe Slope =	0.40	%			
Pipe Diameter =	8	Inch			
N=	0.013				
Pipe Capacity (Hazen Williams) =	0.76	CFS			



Surveyors Planners Landscape Architects Environmental Specialists

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Section:	

Professional Seal







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12.02.2015	RELOCATE LOT 17
06 09 2016	FINAL SITE PLAN SUBMITTAL
07.26.2016	FINAL SITE PLAN SUBMITTAL
08.04.2016	FINAL SITE PLAN SUBMITTAL

VANGUARD COMPANIES

101 S. MAIN STREET ROCHESTER, MI 48037

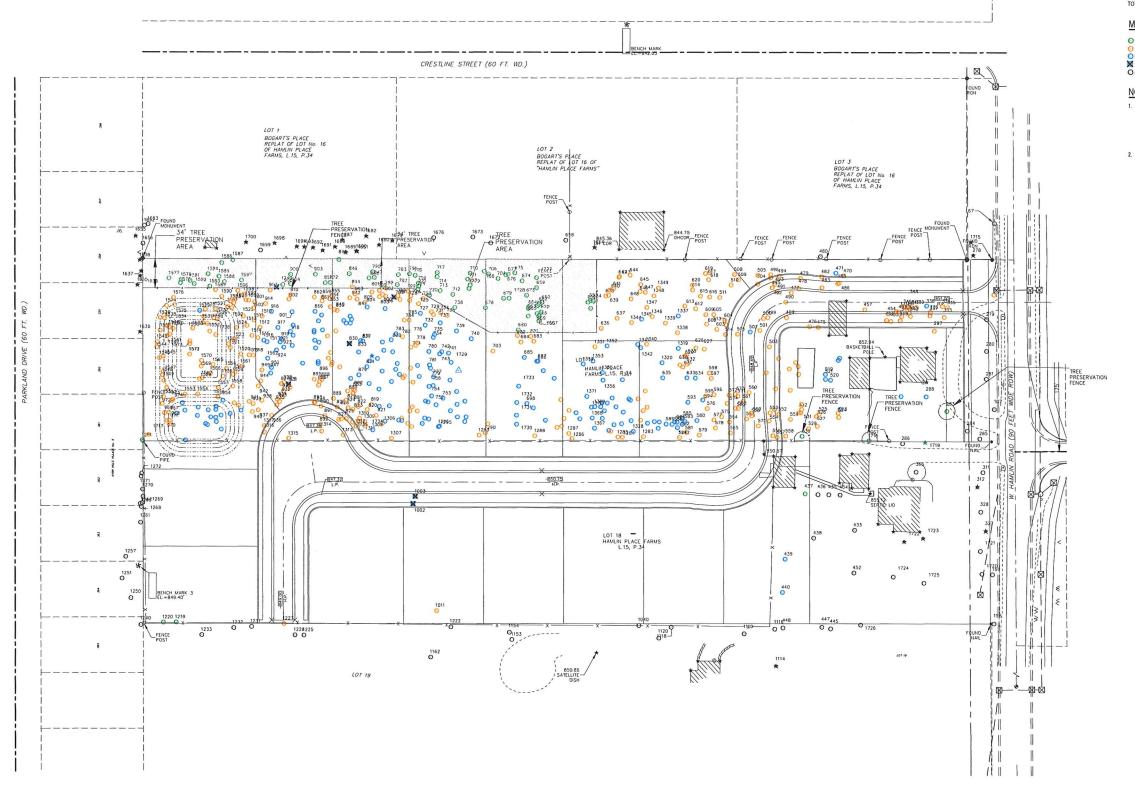
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UTILITY CALCULATIONS FINAL SITE PLAN

NOTTINGHAM WOODS ROCHESTER HILLS

> MICHIGAN Oakland County

Date:	7/6/15
Scale:	1" = 100'
Sheet:	06
Project:	18701.00



TREE IMPACT CALCULATIONS: NOTTINGHAM WOODS

TOTAL NUMBER	R OF TREES SURVEYED:
TOTAL NUMBER	OF REGULATED TREES:
TOTAL NUMBER	OF REGULATED TREES PRESERVED
TOTAL NUMBER	OF REGULATED TREES REMOVED:
TOTAL NUMBER	OF UNREGULATED:
TOTAL NUMBER	OF TREES OFFSITE:

MAP LEGEND

○ REGULATED TREES - TO BE PRESERVED ○ REGULATED TREES - TO BE REMOVED ○ UNREGULATED TREES ※ DEAD TREES - TO BE REMOVED ○ OFFSITE TREES

NOTES

- 1. THIS PROJECT WILL REQUIRE TREE REPLACEMENT CREDITS FOR THE REMOVAL OF REGULATED TREES. THE REPLACEMENT CREDITS WILL BE ACCOUNTED FOR BY THE INSTALLATION OF NEW TREES (PER THE LANDSCAPE PLAN), WITH THE REMAINDER TO BE PAID INTO THE CITY TREE FUND AT \$200 PER TREE.

 2. ALL TREES ARE PRESUMED TO BE IN GOOD CONDITION UNLESS OTHERWISE NOTED.



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VANGUARD COMPANIES

101 S. MAIN STREET ROCHESTER, MI 48037

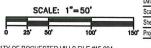
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TREE PRESERVATION PLAN

FINAL SITE PLAN NOTTINGHAM WOODS

> ROCHESTER HILLS MICHIGAN

Oakland County



CITY OF ROCHESTER HILLS FILE #15-004 NOT TO BE USED AS CONSTRUCTION DRAWINGS

18701.00

7/6/15

1" = 50'

OINT MBER	TREE TAG	SPECIES	REGULATION	REMOVAL PLAN	POINT NUMBER	TREE TAG	SPECIES	REGULATION	REMOVAL PLAN	POINT TREE NUMBER TAG	SPECIES	REGULATION	REMOVAL PLAN	POINT NUMBER	TREE	SPECIES	REGULATION	REMOVAL P
66	76413 28"		REGULATED	TO BE REMOVED	529	76518	10" DOGWOOD	REGULATED	TO BE PRESERVED	654 78433		REGULATED	TO BE PRESERVED	773		12" ASPEN	UNREGULATED	TO BE REMO
67 107	NO TAG (OFFSITE) 16" F		UNREGULATED	TO BE PRESERVED	530		9" ELM	REGULATED	TO BE PRESERVED		24" MAPLE	REGULATED	TO BE PRESERVED	774		14" POPLAR	REGULATED	TO BE PRESER
158	80265 15" 8			TO BE PRESERVED	531 532		22" POPLAR 6" ELM	REGULATED REGULATED	TO BE REMOVED TO BE REMOVED	659 78494	15" ELM 8" DOGWOOD	REGULATED REGULATED	TO BE PRESERVED TO BE PRESERVED	775		14" COTTONWOOD	UNREGULATED	
159	80264 22" H			TO BE PRESERVED	533		24" POPLAR		TO BE REMOVED		9" WALNUT	REGULATED	TO BE PRESERVED	776 777		8° COTTONWOOD 18' COTTONWOOD	REGULATED REGULATED	TO BE PRESEN
278	NO TAG (OFFSITE) 10" F			TO BE PRESERVED	534	76511	15" BOX ELDER	UNREGULATED	TO BE REMOVED	662 78488		REGULATED	TO BE PRESERVED	778		9" MAPLE	REGULATED	TO BE PRESEN
279	76412 28"		REGULATED	1	535	76510			TO BE REMOVED	663 78491		REGULATED	TO BE PRESERVED	779		10" COTTONWOOD	REGULATED	TO BE PRESE
280 281	76280 18" F 76410 30" F		REGULATED REGULATED	1	543 544	76509	7" ELM 8/7" DOGWOOD		TO BE REMOVED TO BE REMOVED		7' WALNUT	REGULATED	TO BE PRESERVED	780		7' MAPLE	REGULATED	TO BE PRESE
283	76439 20" 1		REGULATED	TO BE PRESERVED	545		10/6" ELM		TO BE REMOVED		12" WALNUT 7' WALNUT	REGULATED REGULATED	TO BE PRESERVED TO BE PRESERVED	781		8° ELM	REGULATED	TO BE PRESE
284	76408 36" N		REGULATED	1	546	76506			TO BE REMOVED		12" WALNUT	REGULATED	TO BE PRESERVED	782 783	79101	12" POPLAR 6" CHERRY	REGULATED REGULATED	TO BE PRESE
285		RNAMENTAL	UNREGULATED	1	547	76505	6" CHERRY		TO BE REMOVED		8" WALNUT	REGULATED	TO BE PRESERVED	784		14" POPLAR	REGULATED	TO BE PRESE
286	76444 48" 1		REGULATED	TO BE PRESERVED	548		10" WALNUT		TO BE REMOVED	669 78485		REGULATED	TO BE PRESERVED	785		8" BIRCH	REGULATED	TO BE PRESE
287 288	76441 33" N 76440 38" N		UNREGULATED REGULATED	TO BE REMOVED TO BE PRESERVED	550 551	76523 76525			TO BE REMOVED	670 78486		REGULATED	TO BE PRESERVED	786		18" COTTONWOOD	REGULATED	TO BE PRESE
297	76414 20" N		REGULATED	TO BE PRESERVED	552	76524			TO BE REMOVED		12" DOGWOOD 10" MAPLE	REGULATED REGULATED	TO BE PRESERVED	787 788		8" POPLAR	REGULATED	TO BE PRESE
311	76407 28" H		REGULATED	TO BE PRESERVED	553		10" ELM	REGULATED	TO BE REMOVED		12" CHERRY	REGULATED	TO BE PRESERVED	789		10" DEAD 13" COTTONWOOD	UNREGULATED REGULATED	TO BE PRESI
312	76406 15" S		REGULATED	TO BE PRESERVED	554	76527		REGULATED	TO BE REMOVED		12" MAPLE	REGULATED	TO BE PRESERVED	790		13" POPLAR		TO BE PRESI
327	76404 13" F	*****	REGULATED	TO BE PRESERVED	556			REGULATED	TO BE PRESERVED		6" DOGWOOD	REGULATED	TO BE PRESERVED	791		16" POPLAR	REGULATED	TO BE PRESI
328	76405 24" F 76415 10" E		REGULATED REGULATED	TO BE PRESERVED TO BE REMOVED	557			REGULATED	TO BE PRESERVED		18/15/13/101 COTTONWOOD	REGULATED	TO BE PRESERVED	792		12" POPLAR	REGULATED	TO BE PRES
334	76417 12° N			TO BE REMOVED	558 559	76528 DEAD		REGULATED REGULATED	TO BE PRESERVED TO BE REMOVED	679 78501 680 78481	24" COTTONWOOD	REGULATED	TO BE PRESERVED	793		10" POPLAR	REGULATED	TO BE PRES
335	76416 8" M		REGULATED	TO BE REMOVED	560		10" ELM		TO BE REMOVED	681 78478		REGULATED	TO BE PRESERVED TO BE PRESERVED	796 798		18" COTTONWOOD 8" POPLAR	REGULATED REGULATED	TO BE PRESE
336	76419 8" EL	M	REGULATED	TO BE REMOVED	561		7" DOGWOOD		TO BE REMOVED		14" DOGWOOD	REGULATED	TO BE PRESERVED	799		14" POPLAR		TO BE PRESE
337	76418 7" EL		REGULATED	TO BE REMOVED	562	76539		UNREGULATED	TO BE REMOVED	683 78477		REGULATED	TO BE PRESERVED	800		12" POPLAR		TO BE PRESE
338	76420 8° AS 76421 6° M			TO BE REMOVED	563	76538			TO BE REMOVED	684 78479		REGULATED	TO BE PRESERVED	801	79073	10 ¹ POPLAR	REGULATED	TO BE PRESE
339 340	76421 6" M		REGULATED REGULATED	TO BE REMOVED TO BE REMOVED	564 565	_	13" ELM 7" DOGWOOD	REGULATED REGULATED	TO BE REMOVED	685 78476		REGULATED	TO BE PRESERVED	802		10" POPLAR		TO BE PRESE
341	76423 13" E		REGULATED	TO BE REMOVED	567	76534			TO BE REMOVED TO BE PRESERVED	686 78475 687 78474	10/8/6" CHERRY 8/6" FLM	REGULATED REGULATED	TO BE REMOVED TO BE REMOVED	803 804	79070 79066	8" MAPLE 20" POPLAR		TO BE PRESE
342	76427 14" E			TO BE REMOVED	568	76532		REGULATED	TO BE PRESERVED	689 78463			TO BE REMOVED	804		6/3" BIRCH		TO BE PRES
343	76428 12/1	2" ELM	UNREGULATED	TO BE REMOVED	569	76533	12" ELM	UNREGULATED	TO BE REMOVED	690 78473	10° ELM		TO BE REMOVED	807		12" POPLAR	UNREGULATED	
344	76432 18° E			TO BE REMOVED	570		10" ELM		TO BE PRESERVED	691 78462			TO BE REMOVED	808	79097	6" OAK	REGULATED	TO BE REMO
345 346	76433 15" E 76426 13" E			TO BE REMOVED TO BE REMOVED	571		10" ELM		TO BE REMOVED		24" COTTONWOOD		TO BE REMOVED	809		14" POPLAR	UNREGULATED	
347	76425 13" E			TO BE REMOVED	572 573	76542 76541	B/S" ELM 5" ELM		TO BE REMOVED TO BE REMOVED	693 78461 694 78459			TO BE REMOVED	810		6" CHERRY	UNREGULATED	
348	76424 7/8°		REGULATED	TO BE REMOVED	574	76543			TO BE REMOVED		20" COTTONWOOD		TO BE REMOVED TO BE REMOVED	811 812		8" CHERRY 12" SPRUCE	UNREGULATED	
365	76493 18° C			TO BE PRESERVED	575	76546	" DOGWOOD		TO BE REMOVED	696 78464			TO BE REMOVED	813	78482	16" POPLAR	UNREGULATED	
133		O" BOX ELDER		TO BE PRESERVED	576		36" POPLAR		TO BE REMOVED	697 78466	10" ELM	UNREGULATED	TO BE REMOVED	814				TO BE REMO
134 135	76457 181 E 76456 15" E			TO BE PRESERVED TO BE PRESERVED	577		B" ELM		TO BE REMOVED	698 78467	• • • • • • • • • • • • • • • • • • • •		TO BE REMOVED	815		10" POPLAR	UNREGULATED	TO BE REMO
136	76455 15" E			TO BE PRESERVED	578 579		9" DOGWOOD 7/6" DOGWOOD		TO BE REMOVED TO BE REMOVED	703 78522 704 78500	14/13/12" MAPLE	REGULATED	TO BE PRESERVED	816		12" COTTONWOOD	UNREGULATED	
37	76454 15" E			TO BE PRESERVED	580	76565			TO BE REMOVED		8/6" MAPLE	REGULATED REGULATED	TO BE PRESERVED TO BE PRESERVED	817 818		14" COTTONWOOD 14" POPLAR	UNREGULATED	
138	76453 26" H			TO BE PRESERVED	581	76567			TO BE REMOVED	707 78509			TO BE PRESERVED	819		10" POPLAR	UNREGULATED	
139	76452 18/1			TO BE PRESERVED	582	DEAD	10" ELM	UNREGULATED	TO BE REMOVED	708 78505	18" COTTONWOOD	REGULATED	TO BE PRESERVED	820		12" COTTONWOOD		TO BE REMO
140	76451 15" A			TO BE REMOVED	583		28" POPLAR		TO BE REMOVED	709 78508	16" COTTONWOOD	REGULATED	TO BE PRESERVED	821	NO TAG		UNREGULATED	
445 447	DEAD 10" A 76459 30" N			TO BE REMOVED TO BE PRESERVED	584		30" POPLAR		TO BE REMOVED	710 78506		REGULATED	TO BE PRESERVED	822		12" POPLAR	REGULATED	TO BE REMO
448	76460 14" C			TO BE PRESERVED	585 586	76581	2" POPLAR		TO BE REMOVED TO BE REMOVED	711 78507 712 78511		REGULATED	TO BE PRESERVED	823		6° ELM		TO BE REMO
452				TO BE PRESERVED	587		IS" POPLAR		TO BE REMOVED	713 78512		REGULATED REGULATED	TO BE PRESERVED TO BE PRESERVED	824 825		10" COTTONWOOD 15" COTTONWOOD	UNREGULATED	
453	76429 10° E	LM	UNREGULATED	TO BE REMOVED	588			UNREGULATED			20" COTTONWOOD	REGULATED	TO BE PRESERVED	826		10" COTTONWOOD	UNREGULATED UNREGULATED	
154	76435 18" E		UNREGULATED		589	76577	12" POPLAR		TO BE REMOVED	717 78514			TO BE PRESERVED	827		26° POPLAR	UNREGULATED	
455	76437 8" M			TO BE REMOVED	590	76576			TO BE REMOVED	718 79083		REGULATED	TO BE PRESERVED	828	79005	7" COTTONWOOD	UNREGULATED	
456 457	76436 91 M 76738 201 N		UNREGULATED UNREGULATED		591 593	76579 76564		UNREGULATED	TO BE REMOVED TO BE REMOVED		9" COTTONWOOD	REGULATED	TO BE PRESERVED	829		7" ELM	UNREGULATED	
170	76471 10" N			TO BE REMOVED	594	76552		REGULATED	TO BE REMOVED	720 79092	10" COTTONWOOD 6" FLM	REGULATED REGULATED	TO BE PRESERVED	830 831		16" DEAD 9" POPLAR	UNREGULATED REGULATED	TO BE REMO
171	76476 (DUPLICATE #) 12" A	NSH	UNREGULATED	TO BE REMOVED	595			REGULATED	TO BE REMOVED		10" COTTONWOOD	REGULATED	TO BE PRESERVED	832		9" POPLAR		TO BE REMO
	76478 (DUPLICATE #) 18" E			TO BE REMOVED	596	76550		REGULATED	TO BE REMOVED	724 79086	10" COTTONWOOD	REGULATED	TO BE PRESERVED	833		8" OAK		TO BE REMO
\$76 \$77	76479 6" ELI 76482 10" V			TO BE REMOVED	597		" DOGWOOD		TO BE REMOVED		10" POPLAR	REGULATED	TO BE PRESERVED	834		15" COTTONWOOD	UNREGULATED	TO BE REMO
	76478 (DUPLICATE #) 15" W			TO BE REMOVED TO BE REMOVED	598 603		13" DOGWOOD 9" BOX ELDER	†	TO BE REMOVED TO BE REMOVED		14" COTTONWOOD 10" POPLAR	REGULATED	TO BE PRESERVED	835		7" ELM	UNREGULATED	
	76476 (DUPLICATE #) 12" W			TO BE REMOVED	604	76496			TO BE REMOVED		10" COTTONWOOD	REGULATED REGULATED	TO BE PRESERVED TO BE PRESERVED	836 837	79034 79035	8" ELM	UNREGULATED	
	76474 (DUPLICATE #) 18" B	OX ELDER	REGULATED	TO BE PRESERVED	605	76495			TO BE REMOVED		14" COTTONWOOD		TO BE PRESERVED	838		13" ELM	UNREGULATED	
182	76475 13" C			TO BE REMOVED	606	78401		REGULATED	TO BE REMOVED	731 78517	14" COTTONWOOD		TO BE PRESERVED	839		13" COTTONWOOD		TO BE REMO
183 185	76474 18" C 76473 6" M/			TO BE REMOVED	609				TO BE REMOVED	732 78541	14" COTTONWOOD		TO BE PRESERVED	840		12" COTTONWOOD	REGULATED	TO BE REMO
86	76472 8" MJ			TO BE REMOVED TO BE REMOVED	612				TO BE REMOVED TO BE REMOVED	733 78516	8" ELM 13" COTTONWOOD	REGULATED REGULATED	TO BE PRESERVED	841		6" CHERRY		TO BE PRESE
89	76480 12" E		UNREGULATED	TO BE REMOVED	614	78408			TO BE REMOVED		10" COTTONWOOD		TO BE PRESERVED TO BE PRESERVED	842 843		10" POPLAR 14" POPLAR		TO BE PRESE TO BE PRESE
90	76481 6" ELI	М	REGULATED	TO BE REMOVED	615	78409			TO BE REMOVED				TO BE PRESERVED	844		14" POPLAR		TO BE PRESE
91	76485 8" HIG			TO BE REMOVED	616	78403)" ELM	REGULATED	TO BE REMOVED	737 78519	12" ELM	REGULATED	TO BE PRESERVED	845	79074	7° POPLAR	REGULATED	TO BE PRESE
92	76483 6" HIG 76484 9" HIG			TO BE REMOVED TO BE REMOVED	617				TO BE REMOVED	738 78510		REGULATED	TO BE PRESERVED	846		18/18" COTTONWOOD	REGULATED	TO BE PRESE
94	76486 9° HI			TO BE REMOVED	618 619	78406			TO BE REMOVED TO BE REMOVED	739 78520 740 78521			TO BE PRESERVED TO BE PRESERVED	847	79075			TO BE PRESE
95	76488 9° HI			TO BE REMOVED	620	78407			TO BE REMOVED	740 78521			TO BE PRESERVED	848 851		12" CHERRY 8" CHERRY		TO BE PRESE TO BE PRESE
96	76487 8" H10	CKORY	REGULATED	TO BE REMOVED	626	76555			TO BE REMOVED		14" COTTONWOOD		TO BE PRESERVED	852		14" COTTONWOOD		TO BE PRESE
99	76503 10" E		UNREGULATED		627	76556	" DOGWOOD	REGULATED	TO BÉ REMOVED	743 78537	8" CHERRY	REGULATED	TO BE PRESERVED	854		8" COTTONWOOD		TO BE PRESE
00	76502 8" EU 76501 8" EU		UNREGULATED UNREGULATED			76557			TO BE REMOVED		20/18" COTTONWOOD		TO BE REMOVED	855	79040	8" COTTONWOOD	REGULATED	TO BE PRESE
02	DEAD 10" W		UNREGULATED T		629 630				TO BE REMOVED TO BE PRESERVED	745 78531 748 78529	8" POPLAR 10" COTTONWOOD		TO BE REMOVED	857		9° COTTONWOOD	UNREGULATED	
03	76504 10/5"	'WALNUT	UNREGULATED			76560			TO BE PRESERVED	750 78530			TO BE REMOVED TO BE REMOVED	858 859		8" COTTONWOOD 16" COTTONWOOD	UNREGULATED REGULATED	TO BE REMO TO BE PRESE
04	76489 12" H		REGULATED	TO BE REMOVED	632	76559	T ELM		TO BE REMOVED	751 78532			TO BE REMOVED	860		10" COTTONWOOD	UNREGULATED	
05	76490 10/9"			TO BE REMOVED	633	76562	7 ELM	UNREGULATED	TO BE REMOVED	752 78555	20" POPLAR	REGULATED	TO BE REMOVED	861		12" COTTONWOOD		TO BE PRESE
08	76492 8/5" 8 76491 15/12			TO BE REMOVED	634	76563 6		UNREGULATED		753 78534			TO BE REMOVED	862	79046			TO BE PRESE
10	76493 8" HIC			TO BE REMOVED	635 636			UNREGULATED REGULATED	TO BE REMOVED TO BE REMOVED	754 78559 755 78557	15" COTTONWOOD		TO BE REMOVED	863		10° HICKORY		TO BE REMO
11	76494 12" W			TO BE REMOVED					TO BE REMOVED	756 78553			TO BE REMOVED TO BE REMOVED	864 865		15" COTTONWOOD 14" COTTONWOOD	UNREGULATED UNREGULATED	
13	76497 7" ELF	М	UNREGULATED	TO BE REMOVED	638	78435			TO BE REMOVED		7' COTTONWOOD		TO BE REMOVED	866	79047		REGULATED	
14	76499 6° ELF		UNREGULATED			78436	" ELM	REGULATED	TO BE REMOVED	758 78552	10" COTTONWOOD		TO BE REMOVED	868		12" ELM	UNREGULATED	
15	76500 8" ELM		UNREGULATED						TO BE REMOVED	759 80300	22" COTTONWOOD	UNREGULATED	TO BE REMOVED	869	79050	10° ELM	UNREGULATED '	TO BE REMO
17 18	76466 10" EI 76467 9" MA		UNREGULATED T			78438 1			TO BE REMOVED		6" COTTONWOOD		TO BE REMOVED	870		7" COTTONWOOD	UNREGULATED	
19	76470 10" EL			O BE REMOVED	642 643 N	78421 1 10 TAG 6			TO BE REMOVED TO BE REMOVED	761 80299 763 79571			TO BE REMOVED	871	79056		UNREGULATED	
20	76468 12" M			TO BE REMOVED					TO BE REMOVED				TO BE REMOVED TO BE REMOVED	872 873		12" COTTONWOOD	UNREGULATED	
21	76469 71 MA	APLE	REGULATED	TO BE REMOVED	645				TO BE PRESERVED	764 80301			TO BE REMOVED	874		5" POPLAR	UNREGULATED UNREGULATED	
22	76526 20" M		UNREGULATED		646	78419	" ELM	REGULATED	TO BE PRESERVED	765 78548	6" ELM		TO BE REMOVED	875	79020		UNREGULATED	
23	76521 18" M			TO BE REMOVED	647	78417 9			TO BE PRESERVED	766 78574			TO BE REMOVED	876	79019	B" ELM	UNREGULATED 1	TO BE REMO
24	76520 7" ELN 76516 24" M			TO BE REMOVED TO BE REMOVED	648 651	78422 6			TO BE PRESERVED	769 78576			TO BE REMOVED	877		10° COTTONWOOD	UNREGULATED 1	
26	76515 20" P			TO BE REMOVED	652	78431 1			TO BE PRESERVED TO BE PRESERVED	770 78477 771 78575			TO BE REMOVED TO BE REMOVED	878 879	79025	13" POPLAR	UNREGULATED 1	
				O BE PRESERVED		78432			TO BE PRESERVED				TO BE REMOVED	6/9	15020	/ UAK	REGULATED	IN RE KEWO

(1) REMOVED DURING CONSTRUCTION OF HAMLIN ROAD



Surveyors Planners

Landscape Architects Environmental Specialists

6303 26 Mile Road Suite 100 Washington, MI 48094 p (586) 781-8950 f (586) 781-8951 www.giffelswebster.com

Executive:	P.M.
Manager.	M.P.
Engineer:	L.W.
Quality Control:	N.M.
Section:	







DATE:	ISSUE:
03 05 2015	PREUM SITE PLAN SUBMITTAL
07.05.2015	REVISED PER CITY REVIEW
08 04 2015	REVISED PER CITY REVIEW
10 23 2015	REVISED PER PC REVIEW
12.02.2015	RELOCATE LOT 17
06 09 2016	FINAL SITE PLAN SUBMITTAL
07 26 2016	FINAL SITE PLAN SUBMITTAL
08 04 2016	FINAL SITE PLAN SUBMITTAL

VANGUARD COMPANIES

101 S. MAIN STREET ROCHESTER, MI 48037

p (248) 650-6206 f (248) 650-6274

TREE TABLE 1 OF 2

FINAL SITE PLAN NOTTINGHAM WOODS

ROCHESTER HILLS MICHIGAN

Oakland County

Date:	7/6/15
Scale:	N/A
Sheet	08
Project:	18701.0

98 NO FAG DE RIAD 198 NO FAG DE RIAD 198 NO FAG DE COMMON ORGANATO TO THE REMOVED 199 NO FAG DE COMMON ORGANATO TO THE REMOVED 199 NO FAG DE COMMON ORGANATO TO THE REMOVED 190 NO FAG DE COMMON ORGANATO TO THE REMOVED 191 NO FAG DE COMMON ORGANATO TO THE REMOVED 192 NO FAG DE COMMON ORGANATO TO THE REMOVED 193 NO FAG DE COMMON ORGANATO TO THE REMOVED 194 NO FAG DE COMMON ORGANATO TO THE REMOVED 195 NO FAG DE COMMON ORGANATO TO THE REMOVED 195 NO FAG DE COMMON ORGANATO TO THE REMOVED 195 NO FAG DE COMMON ORGANATO TO THE REMOVED 195 NO FAG DE COMMON ORGANATO TO THE REMOVED 195 NO FAG DE COMMON ORGANATO	POINT	TREE TAG SPECIES	REGULATION	REMOVAL PLAN	POINT NUMBER	TREE TAG	SPECIES	REGULATION	REMOVAL PLAN	POINT NUMBER	TREE TAG	SPECIES	REGULATION	REMOVAL PLAN	POINT NUMBER	TREE TAG	SPECIES
March Marc																	
March Marc	883	78585 6" COTTONWOOD															
March 1999/000 Action 1999													REGULATED	TO BE REMOVED	1653	80290	10" ASH
March Company Application Company Co																	
The company						80304	8" CRABAPPLE	REGULATED	TO BE PRESERVED	1373							
March 1964 1965	-																
March Marc			REGULATED	TO BE REMOVED	1261	80307	14/11" MAPLE										
Tright Column C																	
March Marc	895	79016 8" ELM	UNREGULATED	TO BE REMOVED													
March Marc														TO BE REMOVED	1682	80277	14" PINE
March Miles Mile	898																
Total Continues March Ma										1519	79154	10" COTTONWOOD	REGULATED	TO BE REMOVED	1689	80279	10" PINE
Model Proceeding																	
Dec. Teach						76587	8" DOGWOOD	UNREGULATED	TO B REMOVED	1522							
Bear																	
March Marc			REGULATED	TO BE REMOVED	1286	78457	6" CHERRY										
100 PC 100 PC 100 PC 100 PC 100 PC 100 PC PC PC PC PC PC PC																	
Section Column	916	80255 10" ELM	REGULATED	TO BE REMOVED		78525	20° COTTONWOOD										
1986 1986													UNREGULATED	TO BE REMOVED			
The color of the	919																
Second Process								UNREGULATED	TO BE REMOVED	1532	80222	24" COTTONWOOD	REGULATED	TO BE REMOVED	1719	76442	12" FIR
200 100	-																
1985 Part					1296			REGULATED	TO BE REMOVED	1535	80208	12" COTTONWOOD			1722	76447	18" PINE
Prof. Prof																	
Page Company Description			REGULATED	TO BE REMOVED	1299	78562	6" CHERRY										
1900 7500																	
10 10 10 10 10 10 10 10	930	79110 12" COTTONWOOD	REGULATED	TO BE REMOVED													
2007 100													REGULATED	TO BE REMOVED			
1965 1960																	
1907 1912 1914								UNREGULATED	TO BE REMOVED	1545	79198	12" MAPLE	REGULATED	TO BE REMOVED	1732	78470	7" ELM
957 792.2 71.11 1.1																	
1985 75100 1985			UNREGULATED	TO BE REMOVED	1309	78495	10" POPLAR	REGULATED							1735		TREE\$1 TREE
196 79212 pt 7500 196																	
190 79316 COTONNOCO NEGLATO DE ERMOYO 136 7900 27917 COTONNOCO NEGLATO DE ERMOYO 190 8000 GRADITO 190 190		79121 10" ELM	UNREGULATED	TO BE REMOVED	1312												
19 19 19 19 19 19 19 19																	
344 7931/7 17 COTTONNOOD REGALATED 10 RE REMOVED 1315 7931/8 70 COTTONNOOD REGALATED 10 RE REMOVED 1315 7931/8 70 COTTONNOOD REGALATED 10 RE REMOVED 1325 7931/8 70 COTTONNOOD REGALATED 10 REMOVED 1325 7931/8 70 COTTONNOOD 1325 79	943	79123 12" COTTONWOOD													1740	00200	DLAD 31 DLAD
Mail: Pail: Pail			 							1557	79148	15" COTTONWOOD	REGULATED	TO BE REMOVED			
Section Sect																	
1949 79116 27 BRIGHT TO BE REMOVED 1921 7909 77 FAM										1560	79151	10" COTTONWOOD	REGULATED	TO BE REMOVED			
Proceedings Process																	
\$50. \$7128_ \$** COTTONNOOLD UNREQUATED DIE REMOVED \$132. \$50.00 "MARQUATED DIE REMOVED \$150.00 "TOTONNOOLD UNREQUATED DIE REMOVED \$150.00 "TOTO								UNREGULATED	TO BE REMOVED	1564	79177	9" ELM	REGULATED				
\$55 7313 6" COTTONWOOD UNREQUANTED 10 REMOVED 1352 7855 137 MARE UNREQUANTED 156																	
1955 79116 70 OAK			UNREGULATED	TO BE REMOVED	1325	76586	11" MAPLE	UNREGULATED	TO BE REMOVED								
SSS																	
\$956 \$7933.0 FEAT			UNREGULATED	TO BE REMOVED	1328	DEAD	9" ELM	UNREGULATED	TO BE REMOVED								
599 79336 AP OPEN													REGULATED	TO BE REMOVED			
Second Priss 11 COTTON/WOOD UNREQUATED TO BE REMOVED 1332 76593 FELM UNREQUATED TO BE REMOVED 1576 80211 70 FORMAR REQUATED OB REMOVED 1576 80211 17 FORMAR REQUATED OB REMOVED 1577 80211 17 FORMAR REQUATED OB REMOVED 1576 80211 17 FORMAR REQUATED OB REMOVED 1577 80211 17 FORMAR REQUATED 0D REMOVED 1577 80211 17 FORMAR REQUATED 0D RE	959	79134 10" COTTONWOOD	UNREGULATED	TO BE REMOVED													
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963 73313 6" COTTONWOOD UNREGUATED TO BE REMOVED 1377 B013 2010 TO BE RESERVED POSS	962		UNREGULATED	TO BE REMOVED													
965 79383 2"COTTONWOOD INREGULATED TO BE REMOVED 1340 78426 12" ELM REGULATED TO BE PRESERVED 1579 8212 53"COTTONWOOD REGULATED TO BE PRESERVED 1580 8016 12" ELM REGULATED TO BE PRESERVED 1581 8016 13" IS COTTONWOOD REGULATED TO BE REMOVED 1582 8016 13" COTTONWOOD REGULATED TO BE REMOVED 1582 8016 13" COTTONWOOD REGULATED TO BE REMOVED 1585 8016 13" COTTONWOOD REGULATED TO BE REMOVED 1585 8016 13" COTTONWOOD REGULATED TO BE REMOVED 1585 8016 13" REGULATED TO BE PRESERVED 1584 8016 13" COTTONWOOD REGULATED TO BE REMOVED 1585 8014 (DUP 8) ID 12" MAPLE REGULATED TO BE REMOVED 1585 8014 (DUP 8) ID 12" MAPLE REGULATED TO BE REMOVED 1585 8014 (DUP 8) ID 12" MAPLE REGULATED TO BE REMOVED 1585 8014 (DUP 8) ID 12" MAPLE REGULATED TO BE REMOVED 1585 8014 (DUP 8) ID 12" MAPLE REGULATED TO BE REMOVED 1580 8014 (DUP 8) ID 12" MAPLE REGULATED TO BE REMOVED 1580 8014 (DUP 8) ID 12" MAPLE REGULATED TO BE REMOVED 1580 8014 (DUP 8) ID 12" MAPLE REGULATED TO BE REMOVED 1580 8014 (DUP 8) ID 12" MAPLE REGULATED TO BE REMOVED 1580 8014 (DUP 8) ID 12" MAPLE REGULATED TO BE REMOVED 1580 8014 (DUP 8) ID 12" MAPLE REGULATED TO BE REMOVED 1580 8014 (DUP 8) ID 12" MAPLE REGULATED TO BE REMOVED 1580 8014 (DUP 8) ID 12" MAPLE REGULATED TO BE REMOVED 1580 8014 (DUP 8) ID 12" MAPLE REGULATED TO BE REMOVED 1580 8014 (DUP 8) ID 12" MAPLE REGULATED TO BE REMOVED 1580 8014 (DUP 8) ID 12" MAPLE REGULATED TO BE REMOVED 1580 8014 (DUP 8) ID 12" MAPLE REGULATED TO BE REMOVED 1580 8014 (DUP								UNREGULATED	TO BE REMOVED	1577	80213	26" MAPLE	REGULATED	TO BE PRESERVED			
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SPECIES

REGULATION REMOVAL PLAN

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 TO BE PRESERVE

 80288
 14" SPRUCE
 REGULATED
 TO BE PRESERVE

78502 6" CHERRY REGULATED TO BE PRESERVED
78534 18" COTTONWOOD REGULATED TO BE REMOVED

78470 7" ELM REGULATED TO BE REMOVED
78471 13" COTTONWOOD REGULATED TO BE REMOVED



Surveyors Planners

Landscape Architects Environmental Specialists

6303 26 Mile Road Suite 100 Washington, MI 48094 p (586) 781-8950 f (586) 781-8951 www.giffelswebster.com

Executive:	P.M.
Manager.	M.P.
Engineer:	L.W.
Quality Control:	N.M.
Section:	

Professional Seul







03 05 2015 PREUM SITE PLAN SUBMITTA 07 05 2015 REVISED PER CITY REVIEW 10 23 2015 REVISED PER CITY REVIEW 10 23 2015 REVISED PER PC REVIEW 12 02 2015 REVISED PER PC REVIEW 12 02 2016 FINAL SITE PLAN SUBMITTAL 08 04 2016 FINAL SITE PLAN SUBMITTAL 08 04 2016 FINAL SITE PLAN SUBMITTAL 08 04 2016 FINAL SITE PLAN SUBMITTAL	ISSUE:
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06 09 2016 FINAL SITE PLAN SUBMITTAL 07 26 2016 FINAL SITE PLAN SUBMITTAL	REVISED PER PC REVIEW
07 26 2016 FINAL SITE PLAN SUBMITTAL	RELOCATE LOT 17
THE EAST DATE OF THE	FINAL SITE PLAN SUBMITTAL
08.04.2016 FINAL SITE PLAN SUBMITTAL	FINAL SITE PLAN SUBMITTAL
	FINAL SITE PLAN SUBMITTAL

VANGUARD COMPANIES

101 S. MAIN STREET ROCHESTER, MI 48037

p (248) 650-6206 f (248) 650-6274

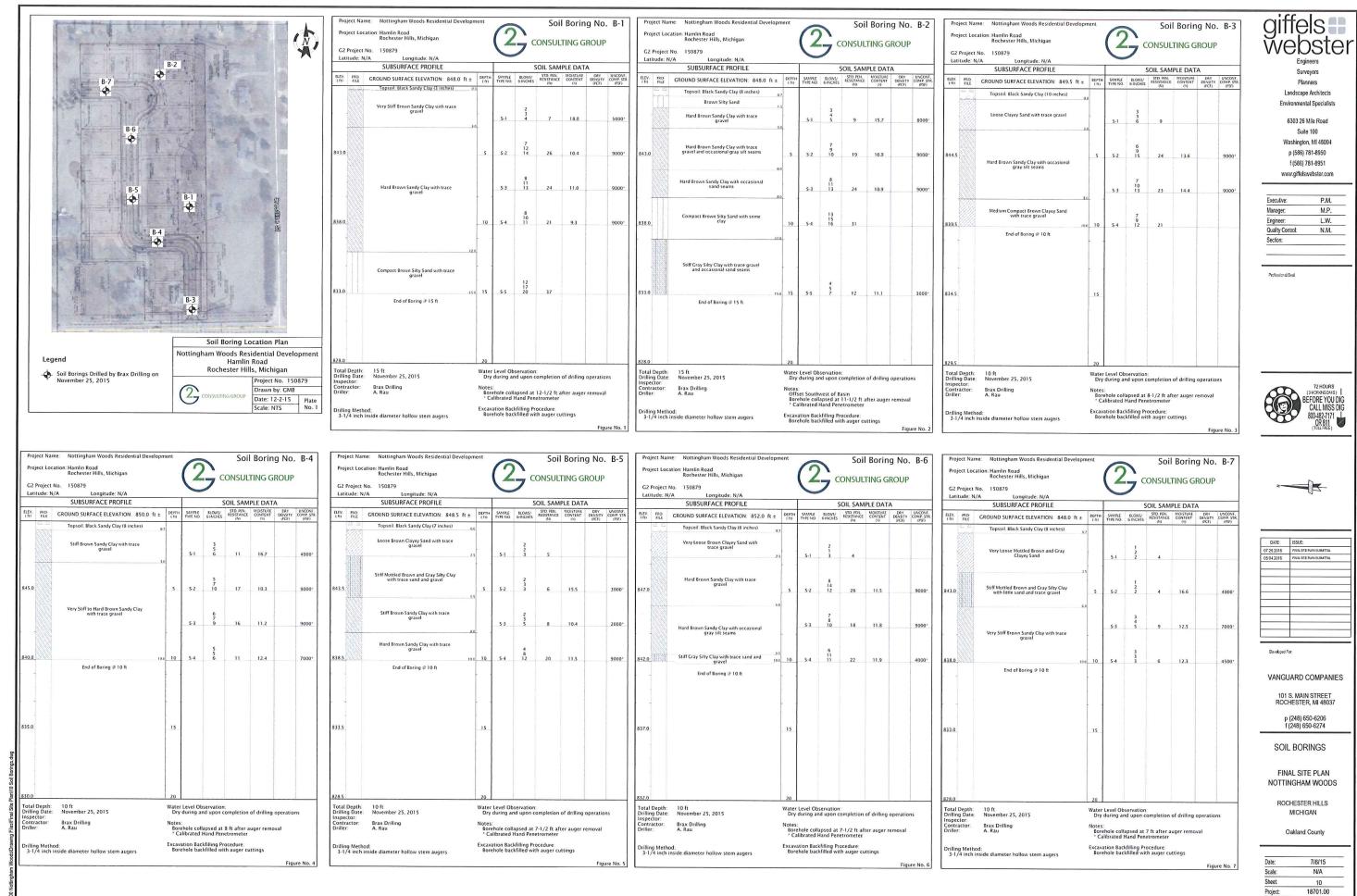
TREE TABLE 2 OF 2

FINAL SITE PLAN NOTTINGHAM WOODS

> ROCHESTER HILLS MICHIGAN

> > Oakland County

Date:	7/6/15
Scale:	NA
Sheet	09
Project:	18701.0



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Executive:	P.M.
Manager:	M.P.
Engineer:	L.W.
Quality Control:	N.M.
Section:	

NOTES

- EXTERIOR FEATURES/STYLES WILL INCLUDE AT LEAST 65% BRICK COVERAGE WITH A TRADITIONAL AND/OR FRENCH COUNTRY STYLE THEME
- 2. MASONRY MATERIALS WILL INCLUDE BRICK, CULTURED STONE, CUT LIMESTONE
- 3. THE COLORS REPRESENTED IN THE ARTISTIC RENDERINGS CORRECTLY REFLECT GENERAL COLOR THEME OF THE DEVELOPMENT
- SINGLE FAMILY RESIDENTIAL DEVELOPMENT DESIGNED AND INTENDED TO MEET THE STANDARDS SET FORTH IN THE ORDINANCE. FURTHER, IT WILL SUBSTANTIALLY AND MATERIALLY MATCH MANY OF THE NEWER DEVELOPMENTS IN ROCHESTER HILLS I.E. VISTAS OF ROCHESTER, LEGACY, ETC.





DATE:	ISSUE:
03 05 2015	PRELIM SITE PLAN SUBMITTAL
07 06 2015	REVISED PER CITY REVIEW
08 04 2015	REVISED PER CITY REVIEW
10 23 2015	REVISED PER PC REVIEW
12 02 2015	RELOCATE LOT 17
06 09 2016	FINAL SITE PLAN SUBMITTAL
07 26 2016	FINAL SITE PLAN SUBMITTAL
08 04 2016	FINAL SITE PLAN SUBMITTAL

Developed For:

VANGUARD COMPANIES

101 S. MAIN STREET ROCHESTER, MI 48037

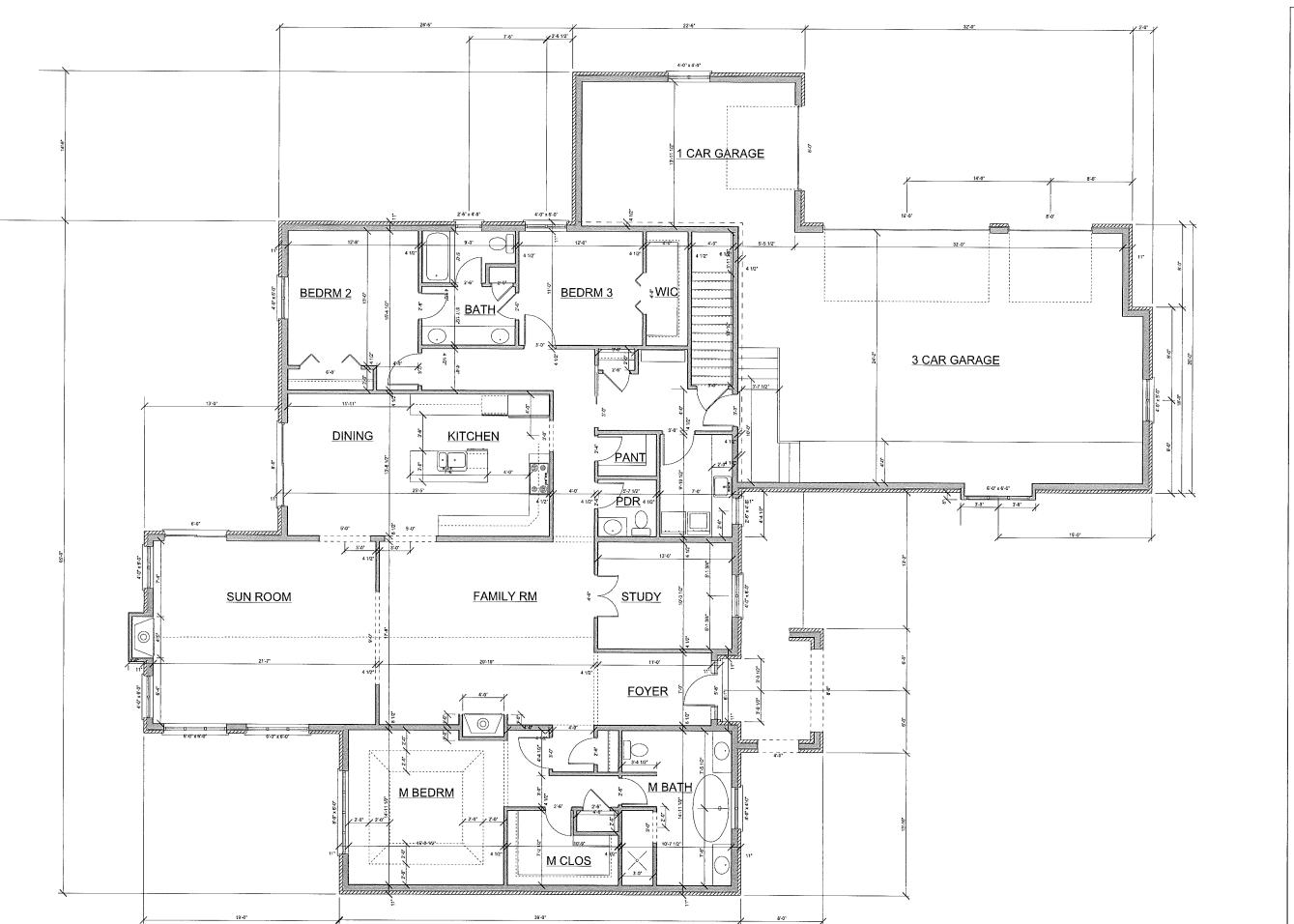
p (248) 650-6206 f (248) 650-6274

ARCHITECTURAL DRAWINGS FINAL SITE PLAN NOTTINGHAM WOODS

ROCHESTER HILLS MICHIGAN

Oakland County

Date:	7/6/15
Scale:	N/A
Sheet:	A-01
Project:	18701.00





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PRIVATE RESIDENCE

ISSUANCE:

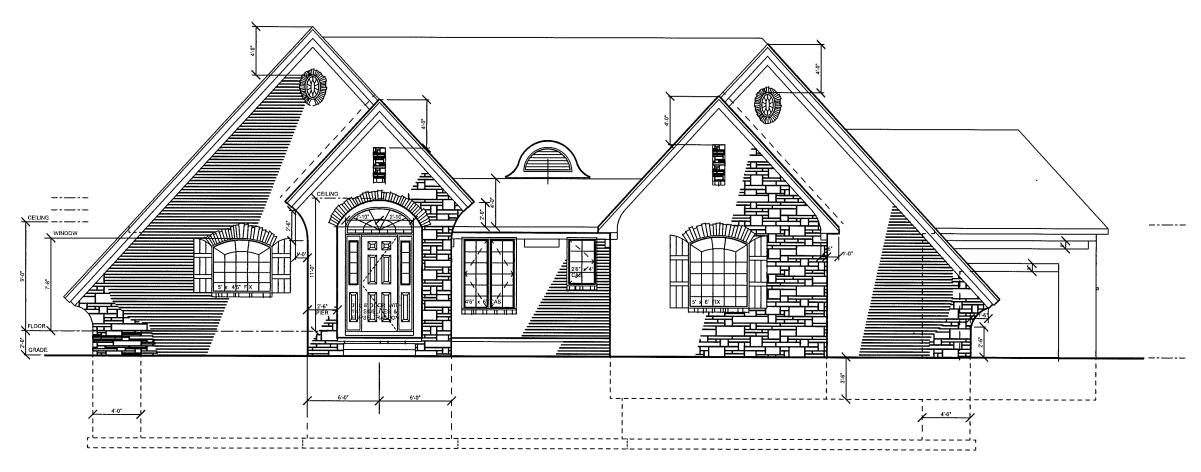
SCHEMATIC
BIDDING
MUNI SUBMITTAL
CONSTRUCTION
OTHER:

NO. DESC. DATE

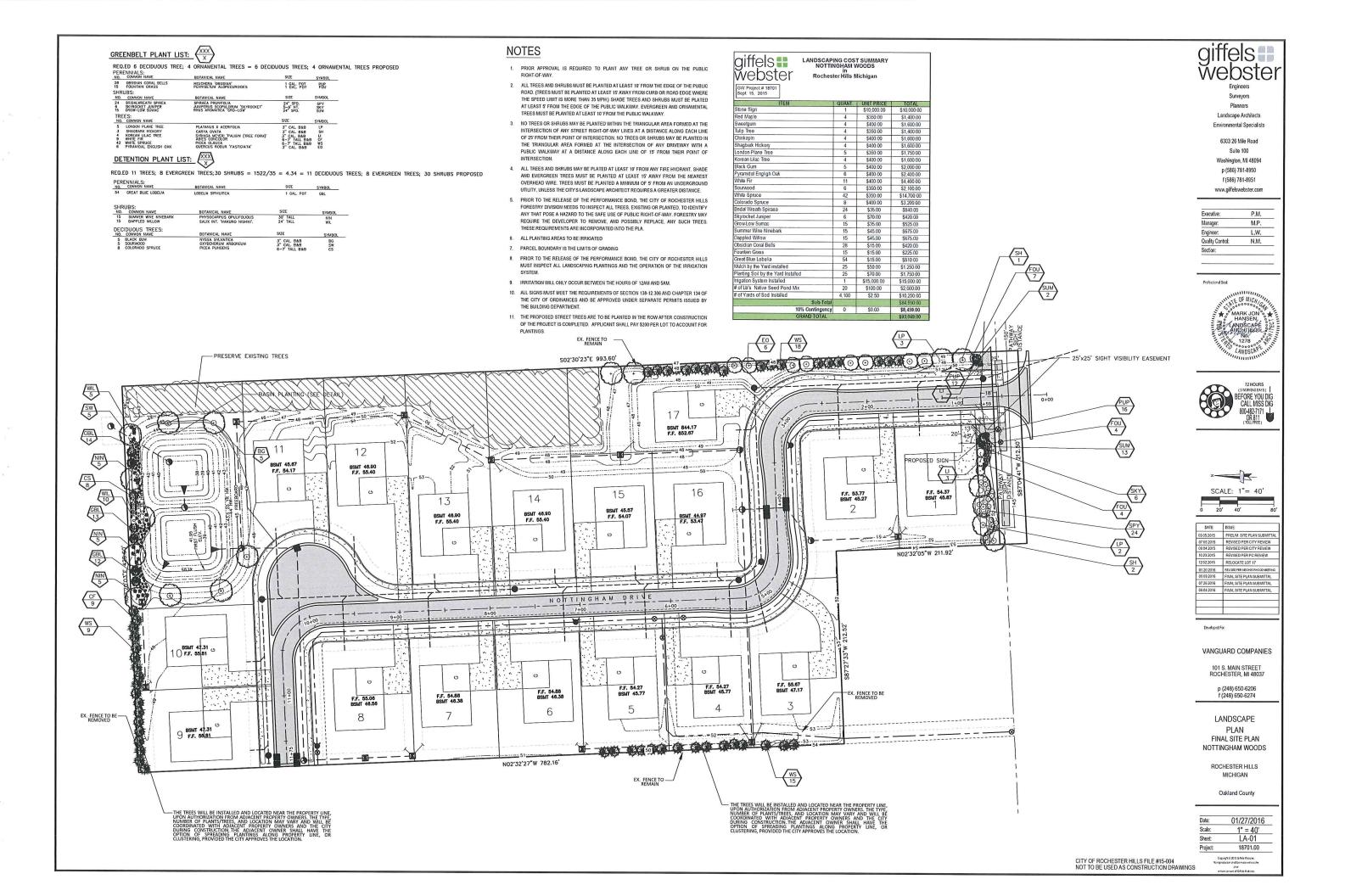
ISSUE DATE 1-22-15 F.P.

> V.M. A2

PROJECT NO. 15011



FRONT ELEVATION



- A. The Planning Department may approve an alternative form of irrigation for a particular site, or may waive this requirement upon determining that underground irrigation is not necessary for the type of proposed plant materials
- B. All automatic irrigation systems shall be designed to minimize water usage, and shall be shut off during water emergencies, periods of protracted rainfall, or water rationing periods.
- C. The irrigation requirement may be waived by the reviewing authority if the project incorporates landscaping that will contribute points towards LEED certification or an equivalent rating system.
- D. The applicant may be required to post a Performance Bond prior to the issuance of a temporary or final Certificate of Occupancy to ensure the completion of landscaping (including irrigation). If the landscaping is not 100% complete when any certificate of occupancy is requested, the City will inspect the landscaping and determine the percentage of completion and a performance bond must be submitted to the City by the Developer in the sum equal to the unfinished portion of the landscape work. The City will have the authority to determine the percentage of completion and the bond amount required. If the landscaping is 100% compete and approved no Performance Bond will be required.
- E. Maintenance Bond. A Maintenance Bond in the sum of 25% of estimated cost of landscaping (including irrigation) must be posted prior to the issuance of any Certificate of Occupancy (including temporary). The Maintenance Bond is held for a period 2 years, at the end of which time the City shall inspect the landscaping. Once, inspection issues are addressed the unused balance of the Maintenance Bond will be released.

Maintenance

The owner of the property shall be responsible for all maintenance of site landscaping, as follows: A. Landscaping shall be kept in a neat, orderly and healthy growing condition, free from debris and

- B. Pruning shall be minimal at the time of installation, only to remove dead or diseased branches.
 Subsequent pruning shall assure proper maturation of plants to achieve their approved purpose.
- C. C. All dead, damaged, or diseased plant material shall be removed immediately and replaced within six (6) months after it dies or in the next planting season, whichever occurs first. For purposes of this Section, the planting season for deciduous plants shall be between March 1 and June 1 and from October 1 until the prepared soil becomes frozen. The planting season for evergreen plants shall be between March 1 and June 1. Plant material installed to replace dead or diseased material shall be as close as practical to the size of the material it is intended to replace. The City may notify property owners of the need to replace dead, damaged, or diseased
- D. The approved landscape plan shall be considered a permanent record and integral part of the Site Plan Approval. Unless otherwise approved in accordance with the aforementioned procedures, any revisions to or removal of plant materials, or non-compliance with the maintenance requirements of this Section 138-2.109 will place the parcel in non-conformity with the approved landscape plan and be a violation of this Ordinance.
- E. If protected trees are damaged, a fine shall be issued on an inch-by-inch basis at a monetary rate

Installation:

PLANT AT TRUNK FLARE

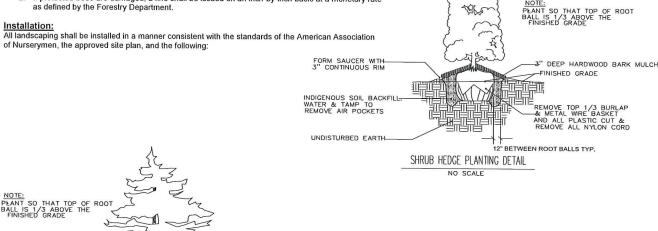
INDIGENOUS SOIL BACKFILE
WATER & TAMP TO
REMOVE AIR POCKETS

FORM SAUCER WITH 3" CONTINUOUS RIN

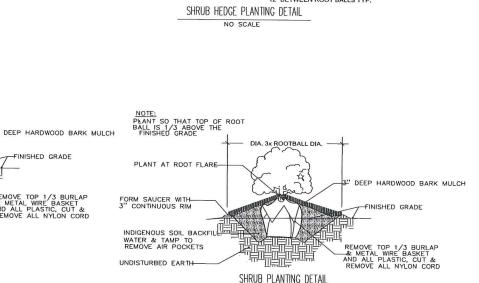
UNDISTURBED EARTH

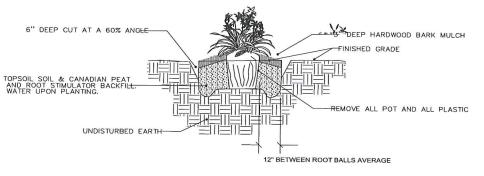
All landscaping shall be installed in a manner consistent with the standards of the American Association

EVERGREEN TREE PLANTING DETAIL



FINISHED GRADE





PERENNIAL PLANTING DETAIL NO SCALE

PLANT SPACING AS PER PLAN

3" MULCH INSTALLED BEFORE PLANTING—

PREPARE BED AS PER— WRITTEN SPECIFICATION

GROUNDCOVER PLANTING DETAIL

NO SCALE

EXISTING TREE PROTECTION DETAIL

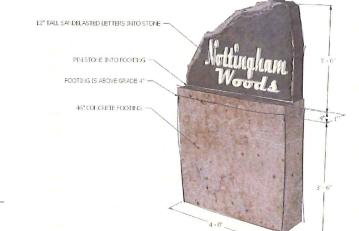
NO SCALE

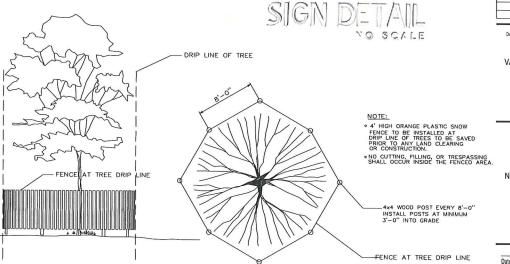
LAWN SEED MIX: 30% PERENNIAL RYGRASS 20% PARK KENTUCKY BLUEGRASS CREEPING RED FESCUE ANNUAL RYEGRASS 4#/1000 S.F. SEEDING RATE PLANT AT TRUNK FLARE REE WRAP REMOVE AFTER PLANTING DEEP HARDWOOD BARK MULCH FORM SAUCER WITH FINISHED GRADE REMOVE TOP 1/3 BURLAP & METAL WIRE BASKET AND ALL PLASTIC, CUT & REMOVE ALL NYLON CORD UNDISTURBED EARTH

DECIDUOUS TREE PLANTING DETAIL

Bio Retention Native Seed Mix:

Temporary Cover: Common Name	Scientific Name	Color	Bloom Time	Oz.
Mexican Aster	Cosmos Bipinnatus	White, Purple	June-August	140
Annual Rye	Lolium perenne	-	-	100
Grasses:				
Common Name	Calandica Name			•





Surveyors Planners

Landscape Architects

Environmental Specialists 6303 26 Mile Road Suite 100

Washington, MI 48094 p (586) 781-8950 f (586) 781-8951 www.giffelswebster.com

Executive:	P.M.
Manager:	M.P.
Engineer.	L.W.
Quality Control:	N.M.
Section:	







DATE	ISSUE:
03.05.2015	PRELIM SITE PLAN SUBMITT
07 06 2015	REVISED PER CITY REVIEW
08 04 2015	REVISED PER CITY REVIEW
10.23 2015	REVISED PER PC REVIEW
12.02.2015	RELOCATE LOT 17
06 09 2016	FINAL SITE PLAN SUBMITTAL
07 26 2016	FINAL SITE PLAN SUBMITTAL
03 04 2016	FINAL SITE PLAN SUBMITTAL

VANGUARD COMPANIES

101 S. MAIN STREET ROCHESTER, MI 48037

p (248) 650-6206 f (248) 650-6274

LANDSCAPE **DETAILS** FINAL SITE PLAN

NOTTINGHAM WOODS

ROCHESTER HILLS MICHIGAN

Oakland County

Date:	7/6/15
Scale:	N/A
Sheet:	LA-02
Project:	18701.00