

CONCRETE

PAVEMENT

PROPOSED

EXISTING

BITUMINOUS

PAVEMENT

EXISTING

CONCRETE

PAVEMENT

23.50'

LOT 56

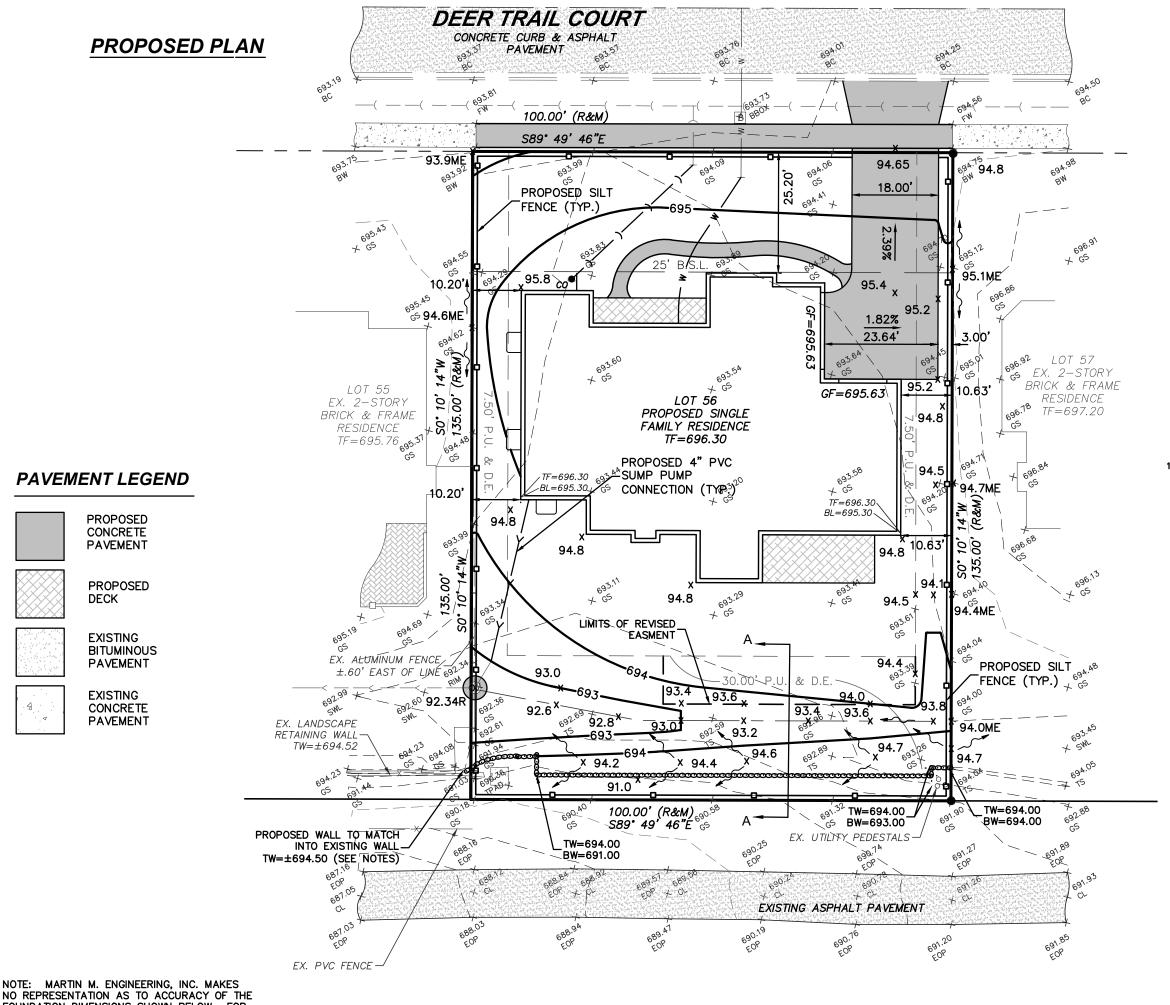
PROPOSED SINGLE

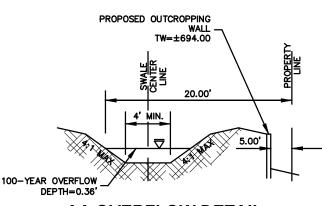
FAMILY RESIDENCE

DECK

DETAILED GRADING PLAN

LOT 56 IN OLDE MILL PHASE III, A SUBDIVISION OF PART OF THE SOUTHWEST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 29, TOWNSHIP 36 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN. IN COOK COUNTY. ILLINOIS.





AA OVERFLOW DETAIL

NOT TO SCALE

NOTE: THE PROPOSED LANDSCAPE OUTCROPPINGS ARE SHOWN FOR GRADING PURPOSES ONLY AND SHALL BE DESIGNED BY OTHERS. THE PROPOSED OUTCROPPINGS SHALL NOT EXCEED 3' IN HEIGHT AND SHALL BE CONSTRUCTED UNDER THE LANDSCAPING CONTRACT. MMEI MAKES NO REPRESENTATION AS TO THE STRUCTURAL DESIGN OF THE PROPOSED LANDSCAPE OUTCROPPINGS.

NOTES:

ALL PROPERTY BOUNDARY INFORMATION HAS BEEN PROVIDED BY THE APPROVED SUBDIVISION PLAT BY OTHERS.

THE PROPOSED GRADING REFERS TO THE APPROVED GRADING ON THE FINAL ENGINEERING PLAN DONE BY OTHERS.

WATER AND SEWER SERVICES WATER SERVICE TO BE 1 1/2" MIN. TYPE K COPPER MIN. DEPTH 5'.

SANITARY SERVICE TO BE 6" SDR 26 PVC MIN. SLOPE OF 1%

SANITARY & WATER SERVICES ARE APPROXIMATE AND MUST BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION.

MIN. SEPARATION OF WATER AND SANITARY SERVICES 10'

EROSION CONTROL
TO BE APPLIED PER THE ILLINOIS URBAN MANUAL, LATEST EDITION

CONTRACTOR MUST VERIFY ALL EXISTING CONDITIONS PRIOR TO STARTING CONSTRUCTION TO DETERMINE IF ANY CONFLICTS EXIST, THE DESIGN ENGINEER MUST BE NOTIFIED PRIOR TO START OF CONSTRUCTION. FOR BUILDING LINES, EASEMENTS AND OTHER RESTRICTIONS NOT SHOWN HEREON REFER TO YOUR DEED, CONTRACT, TITLE POLICY, ZONING ORDINANCE, ETC.

FOR UNDERGROUND UTILITY LOCATIONS AND PRIOR TO ANY CONSTRUCTION, CONTACT J.U.L.I.E., TOLL FREE 1-800-892-0123

CURRENT ZONING = R-3 RESIDENTIAL

"X" MARKED ON THE BACK OF CURB IN FRONT OF THE FIRE HYDRANT ACROSS ELEV.=693.87

ORDERED BY: TSK BUILDERS

LOT COVERAGE

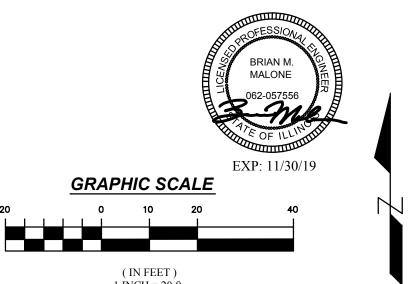
LOT AREA

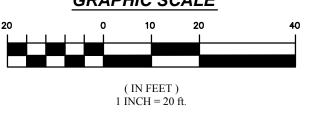
BUILDING AREA = 4,046 SF

= 13,500 SF

DRIVEWAY = 956 SF = 171 SF

TOTAL % COVERAGE = 38.31%





LOT 56 ~ OLDE MILL, PHASE III

ORLAND PARK, ILLINOIS

DETAILED GRADING PLAN		DRAWN BY: BMM		CHECKED BY: BMM	
		SCALE: 1"=20'		DATE: 11/20/18	
	JOB NUMBER:		:	SHEET:	
		18-238		1 OF 1	
MANDELNI M. Elegation a suitant la c	#	DATE		DESCRIPTION	
MARTIN M. Engineering, Inc.		12/07/18		PER CLIENT REVIEW	
SITE DESIGN CIVIL ENGINEERS & SURVEYORS	2.	01/22/19		PER CLIENT REVIEW	
20123 OAKWOOD DRIVE					
MOKENA, ILLINOIS 60448					
VOICE: (708) 995-1323					
FAX: (708) 995-1384					

ABBREVIATIONS:

P.U. & D.E.

16.00'

23.33'

XXX.XXTC DRAINAGE EASEMENT NO FENCE NO ACCESS N.A. L.C. B.S.L. LANDSCAPE COVENANT BUILDING SETBACK LINE TF TOP OF FOUNDATION GF GARAGE FLOOR LO LOOK OUT WO WALK OUT WINDOW WELL DOWN SPOUT

> BRICK LEDGE SUMP PUMP TREE LINE

PUBLIC UTILITY &

MATCH EXISTING ELEVATION XXX.XME XXX.X

EXISTING SPOT GRADE PER APPROVED ENGINEERING PLANS EX. AS-BUILT GRADE & DESCRIPTION SPOT GRADE W/ FLOW DIRECTION

TOP OF CURB ELEVATION

NOTE: ADD 600 TO ALL PROPOSED SPOT GRADES

		~ Olde Mill, O				
W	ater Flow Thro	ugh Open Cha	annels -	South S	wale	
					(S)	
Jana (0)		4.40			0.0152	
lope (S):	vertical fall (ft)	1.46			0.0132	
	horizontal distance (f	95.9			(5)	
] (R) [
hydraulic radius (R)		(x-sectional area/wet	ted perimete	r)	0.284	
	if known:	x-section (sq ft)				
		wetted perimeter (fr	:)			
	R can alterntively be	calculated from d	eometric sl	nane		
	(choose ONE app			шрс		
	(2112223 2112 app			x-section	wet perimeter	
OR	rectangle:	width (ft)			, - <u>L</u>	
	<u> </u>	water depth (ft)				
OR	semicircle:	diameter (ft)			, -	
OR	trapezoidal ditch:	width at base (ft)	4	1.99	7.00	
		side slope (run/rise	4			
		water depth	0.36			
coefficient	of roughness (n)	(select from chart)	0.025			
	Earthen channels, unve	,	0.020			
	straight, uniform	goldiou	0.02			
	rubble sides		0.03			
	jagged and irregula	r	0.04			
	Vegetated, earthen ditches					
	Dense vegetation, <2.5" high		0.03-0.10			
	Dense vegetation, >	-10" high	0.05-0.20			
	Concrete- or wood-line	d canals				
	smooth concrete or	wood	0.015			
	rubble surface		0.03			
	Natural stream channel					
	clean, straight, flowing full		0.03			
	moderately stoney,	weeds, flowing full	0.035			
	very weedy		0.07-0.15			
Calcula	ted water velo	city (v)		2.13	ft/second	
	discharge (Q),	1	ection)	4.23		
		(10.00.1) tillioo x 00	,		0.0	