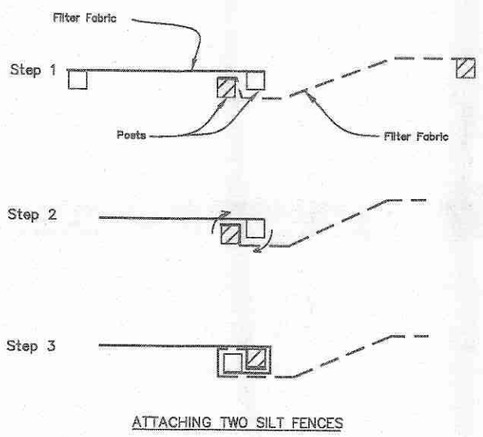
DETAILED GRADING PLAN

LOT 17 IN HUMPHREY'S SUBDIVISION OF THE NORTH 455.0 FEET OF THE NORTH 30 ACRES OF THE SOUTH 60 ACRES OF THE WEST ½ OF THE NORTHWEST ¼ OF SECTION 9, TOWNSHIP 36 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, LYING EAST OF THE WABASH, ST. LOUIS AND PACIFIC RAILROAD, ALL IN COOK COUNTY, ILLINOIS.

LEGEND

EXISTING		PROPOSED
	SANITARY SEWER	
	STORM SEWER	
	CATCH BASIN	
	OPEN LID MANHOLE	
	CLOSED LID MANHOLE	
	INLET	
W	WATER MAIN	W
	VALVE	
	HYDRANT	
	HEADWALL	
	FLARED END	
	STREET LIGHT	
	UTILITY POLE	
B	B-BOX	B
	RETAINING WALL	
	SILT FENCE	
	CONTOUR	701
	100-YEAR OVERFLOW PATH	
	STORM STRUCTURE W/ INLET PROTECTION	
	EX. TREE TO BE REMOVED	

SILT FENCE PLAN

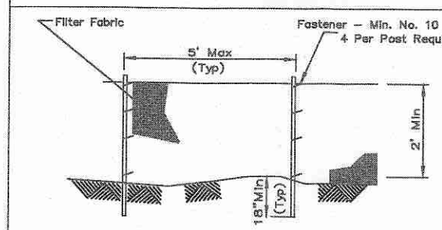


ATTACHING TWO SILT FENCES

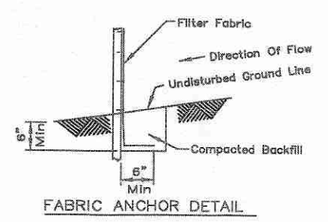
NOTES:
1. Place the end post of the second fence inside the end post of the first fence.
2. Rotate both posts at least 180 degrees in a clockwise direction to create a tight seal with the fabric material.
3. Drive both posts a minimum of 18 inches into the ground and bury the flap.

REFERENCE: Project, Designed, Checked, Approved — Date
NRCS Natural Resources Conservation Service
STANDARD DWG. NO. IL-620(W) SHEET 2 OF 2 DATE 1-29-09

SILT FENCE PLAN



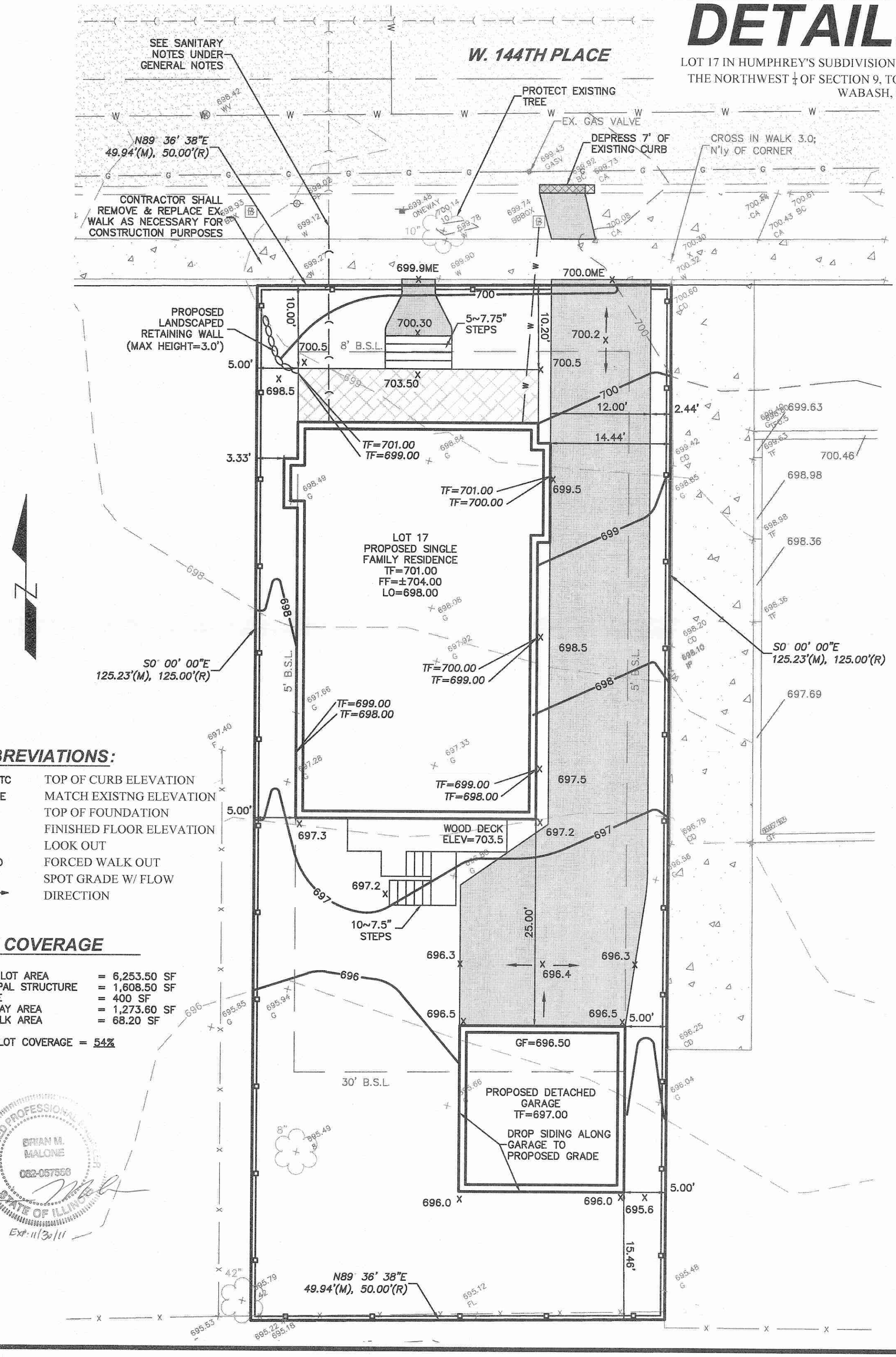
ELEVATION



FABRIC ANCHOR DETAIL

NOTES:
1. Temporary sediment fence shall be installed prior to any grading work in the area to be protected. They shall be maintained throughout the construction period and removed in conjunction with the final grading and site stabilization.
2. Filter fabric shall meet the requirements of material specification 592 Geotextile Table 1 or 2, Class with equivalent opening size of at least 30 for nonwoven and 50 for woven.
3. Fence posts shall be either standard steel post or wood post with a minimum cross-sectional area of 3.0 sq. in.

REFERENCE: Project, Designed, Checked, Approved — Date
NRCS Natural Resources Conservation Service
STANDARD DWG. NO. IL-620 SHEET 1 OF 2 DATE 11-20-01



ABBREVIATIONS:

XXX.XXTC	TOP OF CURB ELEVATION
XXX.XME	MATCH EXISTNG ELEVATION
TF	TOP OF FOUNDATION
FF	FINISHED FLOOR ELEVATION
LO	LOOK OUT
F/WO	FORCED WALK OUT
XXX.X	SPOT GRADE W/ FLOW DIRECTION

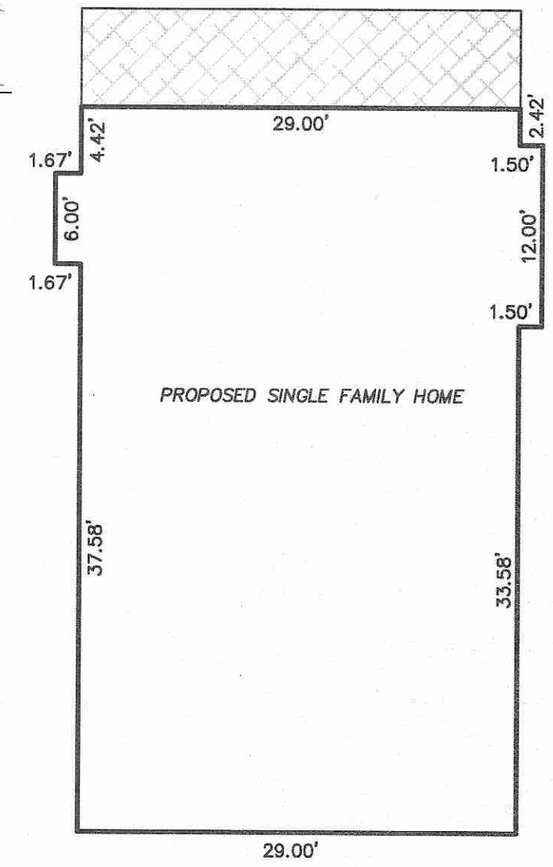
LOT COVERAGE

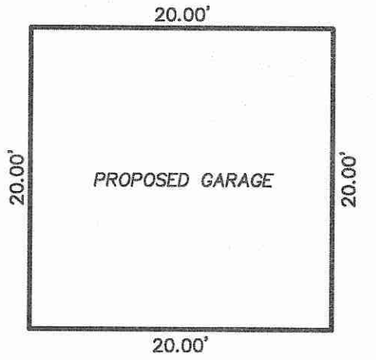
TOTAL LOT AREA	= 6,253.50 SF
PRINCIPAL STRUCTURE	= 1,608.50 SF
GARAGE	= 400 SF
DRIVEWAY AREA	= 1,273.60 SF
SIDEWALK AREA	= 68.20 SF

% OF LOT COVERAGE = 54%

LICENSED PROFESSIONAL ENGINEER BRIAN M. MALONE 062-057558 STATE OF ILLINOIS Exp: 11/30/11

NOTE: MARTIN M. ENGINEERING, INC. MAKES NO REPRESENTATION AS TO ACCURACY OF DIMENSIONS SHOWN BELOW. FOR ACTUAL DIMENSIONS OF HOME, REFER TO FOUNDATION PLAN PREPARED BY OTHERS.





GENERAL NOTES:

WATER AND SEWER SERVICES

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

SANITARY SERVICE TO BE 6" ABS TRUSS PIPE (ABS) WHICH SHALL MEET OR EXCEED THE PERFORMANCE REQUIREMENTS OF ASTM D2751 FOR 6" DIA. SOLID WALL SDR 23.5 W/ A MIN. SLOPE OF 1%. THE CONTRACTOR SHALL LOCATE THE EX. SANITARY SERVICE IN THE PARKWAY AND CONNECT TO IT. IF NO SERVICE EXISTS, CONTRACTOR SHALL CONNECT TO EXISTING MAIN W/ WYE CONNECTION. A PAVEMENT PATCH SHALL BE REQUIRED FOR DISTURBED AREAS OF THE ROADWAY FROM CURB LINE TO CURB LINE.

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

SITE BENCHMARK:

RIM ON STORM MANHOLE LOCATED IN PARKWAY ON NORTH SIDE OF 144TH PLACE, APPROX. 104' FROM THE CENTERLINE OF 2ND AVE.
ELEV = 695.25

OWNER:

JOHN KELLY
(708) 774-9950

GRAPHIC SCALE

10 0 5 10 20 40

(IN FEET)
1 inch = 10 ft.

LOT 17-HUMPHREY'S SUBDIVISION

9867 W. 144TH PLACE
ORLAND PARK, ILLINOIS

DETAILED GRADING PLAN

DRAWN BY: BMM	CHECKED BY: BMM
SCALE: 1"=10'	DATE: 05/05/11
JOB NUMBER: 11-031	SHEET: 1 OF 1

#	DATE	DESCRIPTION

MARTIN M. Engineering, Inc.
CONSULTING AND SITE DESIGN CIVIL ENGINEERS
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TINLEY PARK, ILLINOIS 60487
VOICE: (815) 469-7177
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