

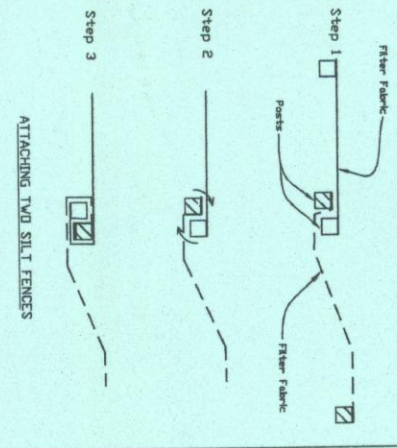
DETAILED GRADING PLAN

LOT 15 IN HUMPHREY'S SUBDIVISION OF THE NORTH 455.00 FEET OF THE NORTH 30 ACRES OF THE SOUTH 60 ACRES OF THE WEST HALF OF THE NORTHEAST QUARTER, LYING EAST OF THE RAIL ROAD, OF SECTION 9, TOWNSHIP 36 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, IN COOK COUNTY, ILLINOIS

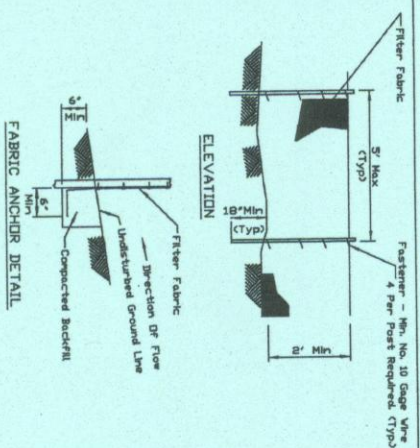
LEGEND

| EXISTING | PROPOSED |
|---------------------------------------|---------------------------------------|
| --- SANITARY SEWER | --- SANITARY SEWER |
| --- STORM SEWER | --- STORM SEWER |
| □ CATCH BASIN | ■ CATCH BASIN |
| ○ OPEN LID MANHOLE | ● OPEN LID MANHOLE |
| ○ CLOSED LID MANHOLE | ● CLOSED LID MANHOLE |
| □ INLET | ■ INLET |
| --- WATER MAIN | --- WATER MAIN |
| ○ VALVE | ○ VALVE |
| ○ HYDRANT | ○ HYDRANT |
| ○ HEADWALL | ○ HEADWALL |
| ○ FLARED END | ○ FLARED END |
| ○ STREET LIGHT | ○ STREET LIGHT |
| ○ UTILITY POLE | ○ UTILITY POLE |
| ○ B-BOX | ○ B-BOX |
| ○ RETAINING WALL | ○ RETAINING WALL |
| ○ SILT FENCE | ○ SILT FENCE |
| ○ CONTOUR | ○ CONTOUR |
| ○ 100-YEAR OVERFLOW PATH | ○ 100-YEAR OVERFLOW PATH |
| ○ STORM STRUCTURE W/ INLET PROTECTION | ○ STORM STRUCTURE W/ INLET PROTECTION |

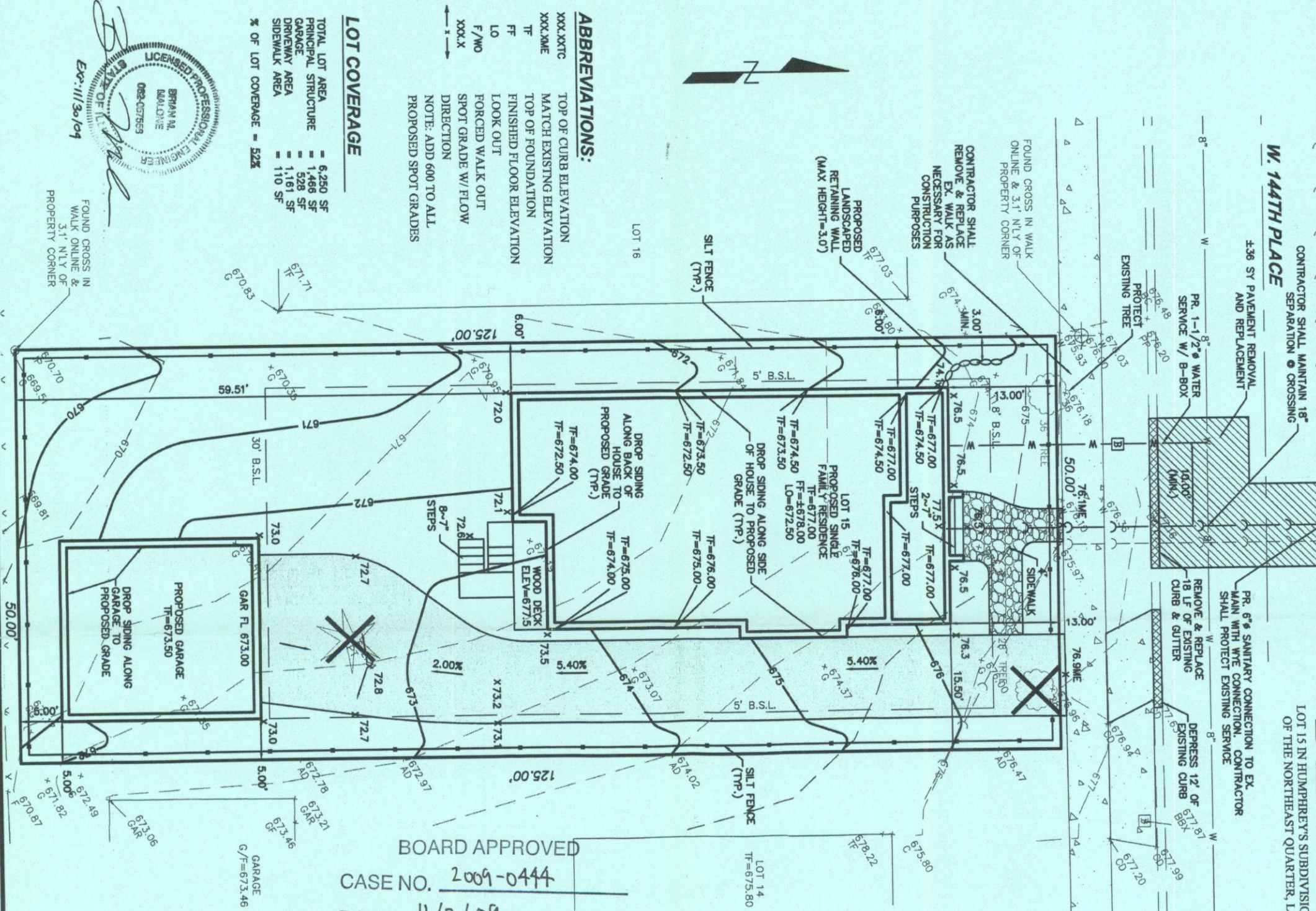
SILT FENCE PLAN



SILT FENCE PLAN



NOTES:
 1. Filter fabric and posts of the second fence inside the end post of the first fence.
 2. Filter fabric and posts of the second fence inside the end post of the first fence.
 3. Rotate both posts of the second fence 90 degrees, a double direction to give both posts a minimum of 18 inches into the ground and bury the top.



ABBREVIATIONS:

| | |
|---------|------------------------------|
| XXXLXTC | TOP OF CURB ELEVATION |
| XXXLXME | MATCH EXISTING ELEVATION |
| TF | TOP OF FOUNDATION |
| FF | FINISHED FLOOR ELEVATION |
| LO | LOOK OUT |
| F/NO | FORCED WALK OUT |
| XXX.X | SPOT GRADE W/ FLOW DIRECTION |

NOTE: ADD 600 TO ALL PROPOSED SPOT GRADES

LOT COVERAGE

| | |
|---------------------|------------|
| TOTAL LOT AREA | = 6,250 SF |
| PRINCIPAL STRUCTURE | = 1,466 SF |
| GARAGE | = 528 SF |
| DRIVEWAY AREA | = 1,161 SF |
| SIDEWALK AREA | = 110 SF |

% OF LOT COVERAGE = 52%

BOARD APPROVED
 CASE NO. 2009-0444
 DATE 11/2/09
 W/CONDITIONS
 W/O CONDITIONS

PROPOSED SINGLE FAMILY HOME

PROPOSED GARAGE

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%.

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 JULIE, TOLL FREE 1-800-892-0123

SITE BENCHMARK:
 VALVE ON HYDRANT ON NORTH SIDE OF STREET BETWEEN LOTS 14 & 15
 ELEV = 679.88

OWNER:
 JOHN KELLY
 (708) 774-9950

GRAPHIC SCALE

(IN FEET)
 1 inch = 10 ft.

RECEIVED
 OCT 23 2009

LOT 15-HUMPHREY'S SUBDIVISION

DETAILED GRADING PLAN

9857 W. 144TH PLACE
 ORLAND PARK, ILLINOIS

MARTIN W. Engineering, Inc.
 CONSULTING AND SITE DESIGN CIVIL ENGINEERS
 8380 DUNMORE DRIVE
 TINLEY PARK, ILLINOIS 60487
 VOICE: (815) 489-7177
 FAX: (815) 489-9137

| | |
|--------------------|---------------------------------|
| DRAWN BY: BMM | CHECKED BY: BMM |
| SCALE: 1"=10' | DATE: 09/15/09 |
| JOB NUMBER: 09-022 | SHEET: 1 OF 1 |
| DATE: 09/28/09 | DESCRIPTION: PER CLIENT REVIEW |
| DATE: 10/09/09 | DESCRIPTION: PER VILLAGE REVIEW |