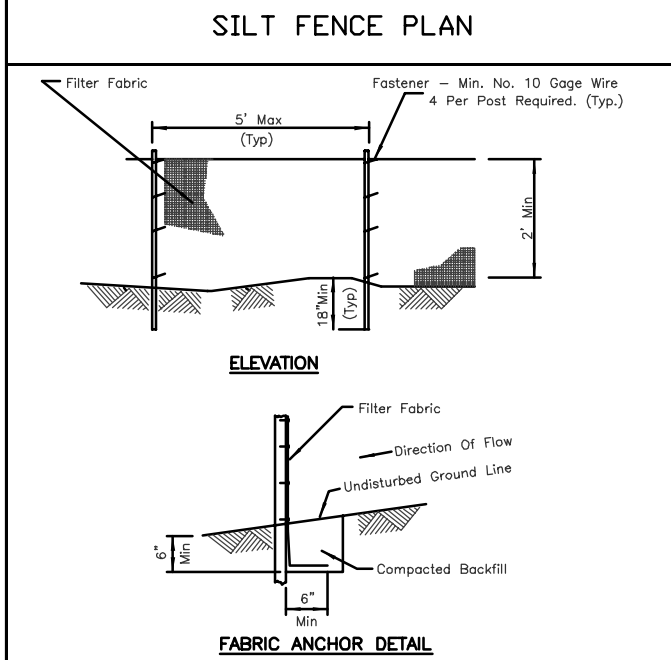
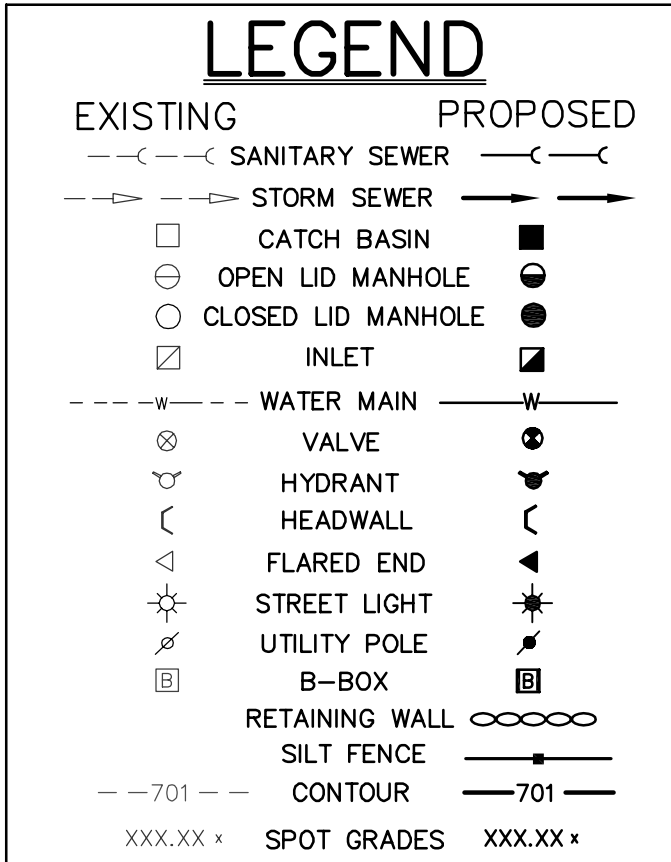


DETAILED GRADING PLAN

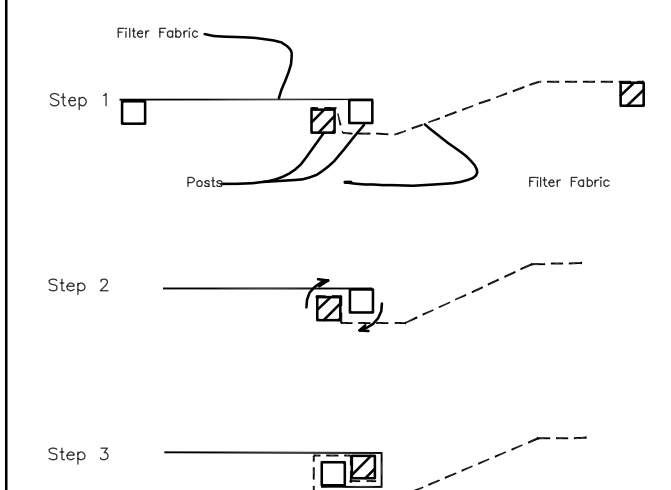
LOTS 1 THRU 4, BOTH INCLUSIVE, IN BLOCK 9, TOGETHER WITH THE VACATED 13 FOOT ALLEY LYING SOUTH OF AND ADJOINING THE SOUTH LINES OF SAID LOTS 1 THRU 4, ALL IN SEDGWICK, BEING A SUBDIVISION OF THE NORTH 1/2 OF THE NORTHWEST 1/4 OF THE NORTHEAST 1/4 OF SECTION 9, TOWNSHIP 36 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, ALL IN COOK COUNTY, ILLINOIS.



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 Sedgewick Table 1 or 2, Class 1 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.

Project: 9825 W. 144th Street, Orland Park
Design: NRC
Check: NRC
Date: 11-11-2020

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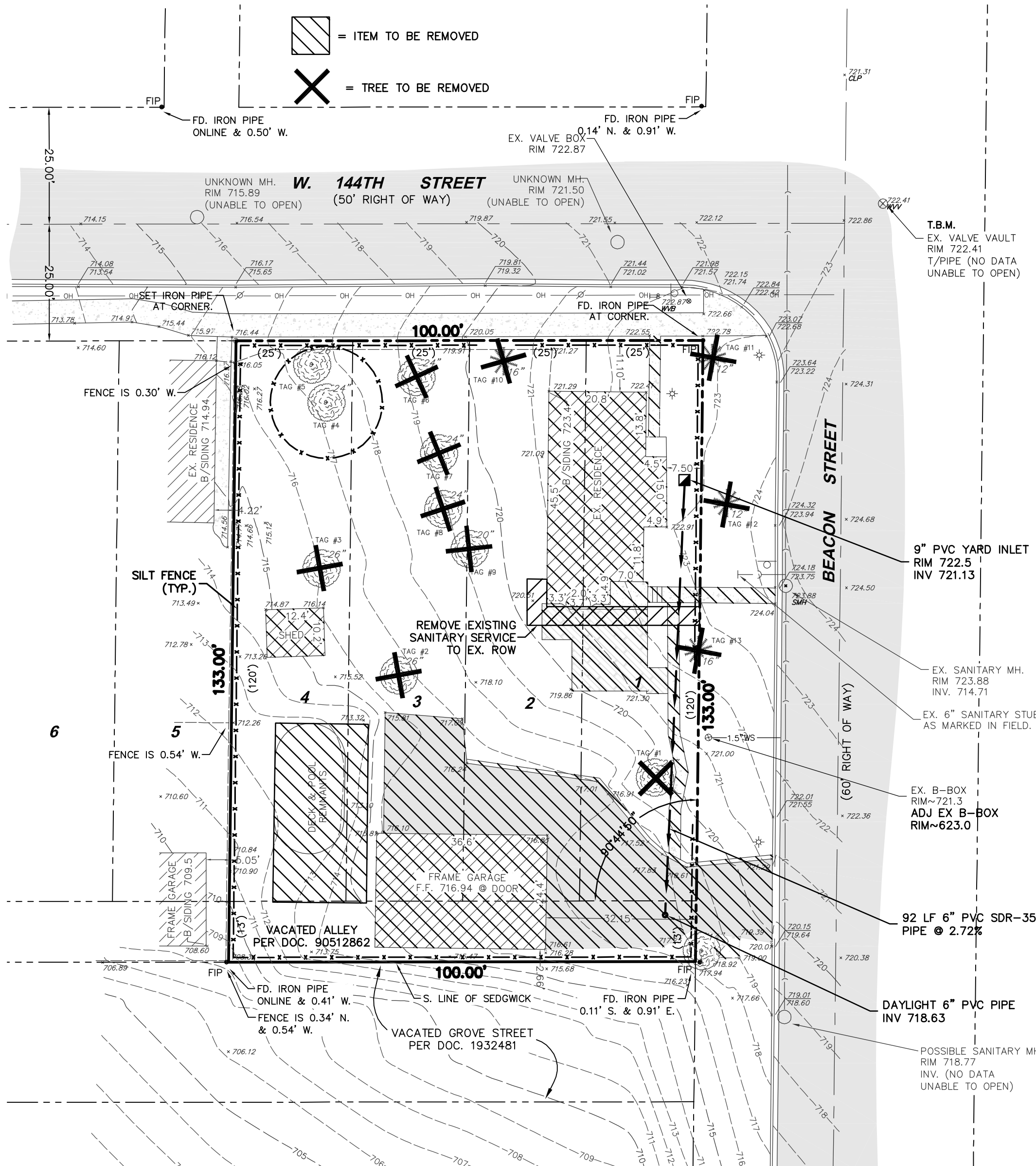


NOTES:
1. Place the end post of the second fence inside the end post of the first fence.
2. Rotate both posts at least 180 degrees in a clockwise direction to create a tight seal with the fabric material.
3. Drive both posts a minimum of 18 inches into the ground and bury the flap.

Project: 9825 W. 144th Street, Orland Park
Design: NRC
Check: NRC
Date: 11-11-2020

BENCHMARKS

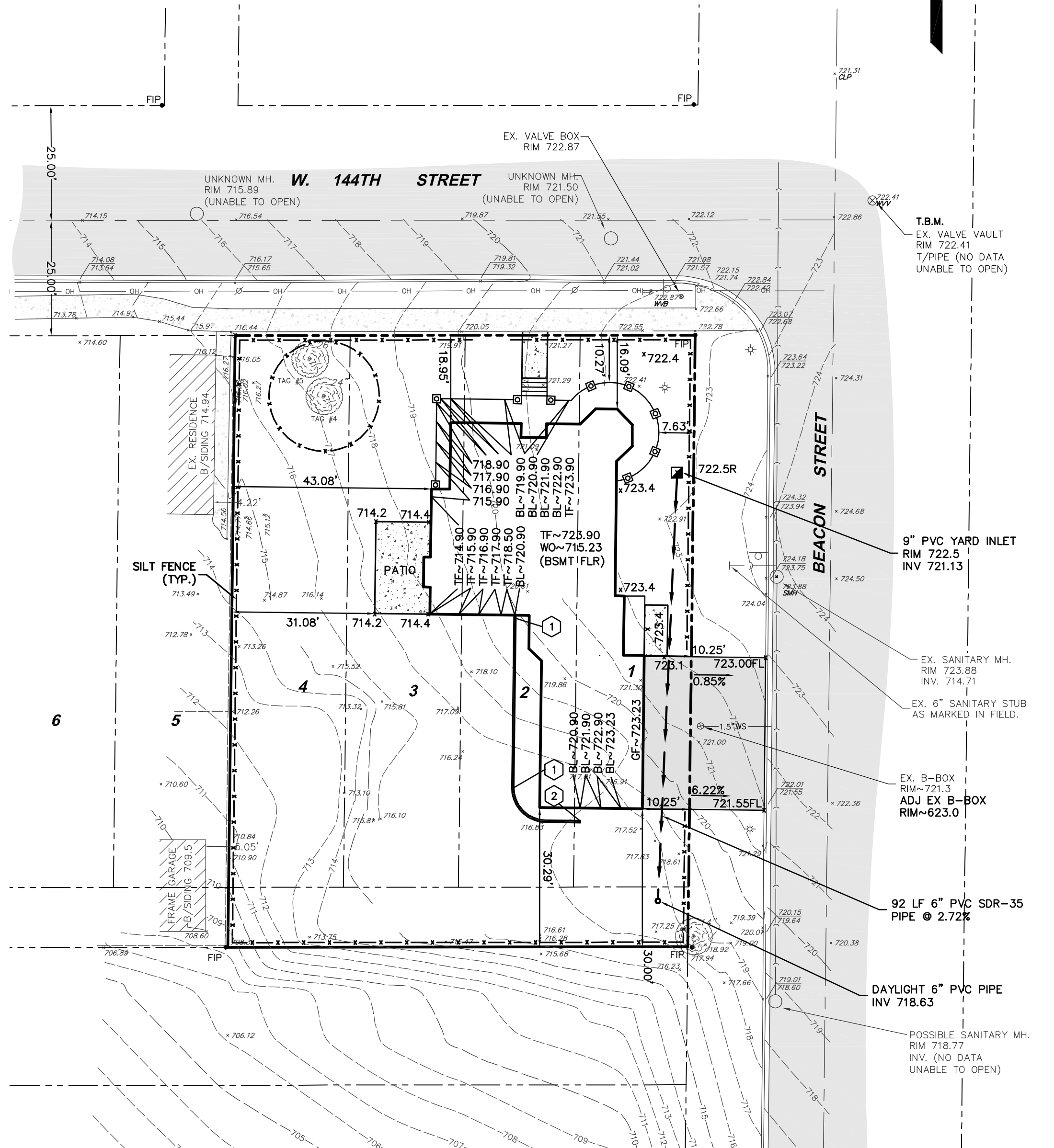
- INITIAL BENCHMARK: CHISELED SQUARE ATOP THE SOUTH HEADWALL NEAR THE WEST END OF A BOX CULVERT OVER TRIBUTARY "A" OF LOG RUN, BEING 30 FEET SOUTH OF THE CENTER OF 143rd STREET AND ABOUT .35 MILES EAST OF WOLF ROAD. ELEVATION = 696.40 (NAVD 1929)
- SITE BENCHMARK (T.B.M.) RIM OF A WATER VALVE VAULT LOCATED AT THE INTERSECTION OF W. 144TH STREET AND BEACON STREET. ELEVATION 722.41 (NAVD 1929)



REMOVAL PLAN

Property at:
9825 W. 144th Street, Orland Park

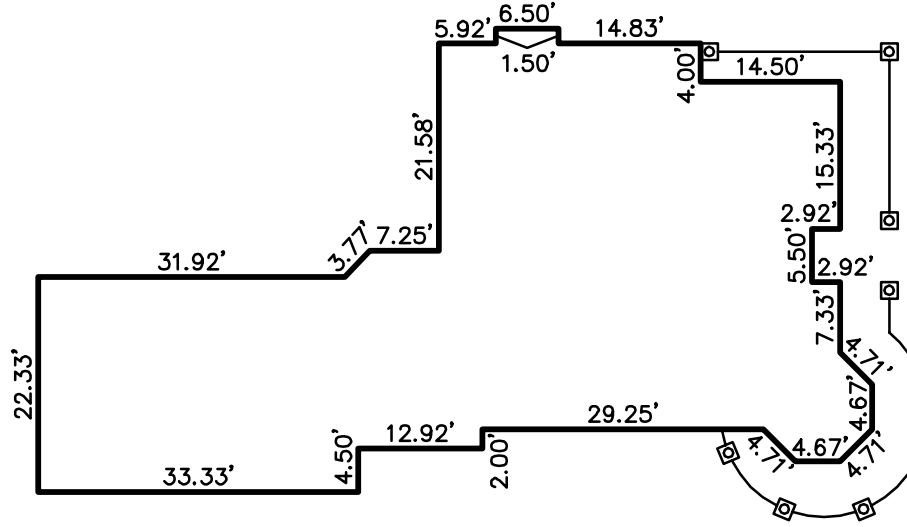
Tag #	DBH	Common Name	C	F	Comments	Detailed protection per tree
1	22	Bur Oak	4	4	Half dead	none, removal
2	26	Bur Oak	3	3		none, removal
3	26	Bur Oak	3	3		none, removal
4	24	Bur Oak	3	3		Root zone protection and fertilization
5	26	Red Oak	4	4	Trunk decay	Root zone protection and fertilization
6	24	Bur Oak	3	3		none, removal
7	24	Bur Oak	3	4		none, removal
8	24	Bur Oak	3	3		none, removal
9	20	Bur Oak	3	4		none, removal
10	16	Arborvitae	3	3	twin trunk, no tag	none, removal
11	12	Arborvitae	3	3	No tag	none, removal
12	12	Arborvitae	3	3	No tag	none, removal
13	16	Blue Spruce	4	3	No tag	none, removal



DETAILED GRADING PLAN

9" CATCH BASIN SERIES

Part No.	Description	Color	Pkg. Qty.	Vol. Ea. (lbs.)	Product Class	Specifications
918	9" x 9" Catch Basin Riser (No Bottom)	Black	4	1.75	10ND	NDS #980, 6" Riser for 9" x 9" Catch Basin.
919	9" x 9" Catch Basin 2-opening	Black	4	3.00	10ND	Requires either #1306, #1242, #1243, #1245 or #1296 Universal Outlet for each opening. (See page 24.)
920	9" Square Grate	Black	8	1.50	10ND	NDS #980, #990, #999, or #995, 9" Square Structural Frame (Plastic)
921	9" Square Grate	Green	8	1.50	10ND	Grate with UV inhibitor
922	9" Square Grate	Gray	8	1.50	10ND	Grate with UV inhibitor
923	9" Square Grate	Sand	8	1.50	10ND	Grate with UV inhibitor



NOTE: DESIGNTEK MAKES NO REPRESENTATION AS TO ACCURACY OF DIMENSIONS SHOWN HEREON. FOR ACTUAL DIMENSIONS OF HOME REFER TO FOUNDATION PLAN PREPARED BY OTHERS.

NOTES:

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%

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

PUBLIC SIDEWALK SHALL BE 5-INCHES
THICK (6-INCHES AT DRIVEWAY) ON A
4-INCH COMPACTED STONE BASE.
SIDEWALK SHALL HAVE A 2% CROSS
PITCH TOWARDS STREET. SIDEWALK
SHALL BE 0.5 FEET HIGHER THAN TOP
OF CURB. SIDEWALK SHALL BE 5
FEET WIDE.

FENCING:
PERIMETER PERMANENT FENCING IS
NOT BEING PROPOSED AS PART OF
THIS PROJECT.

RETAINING WALL:
THE PROPOSED RETAINING WALL
SHALL BE ROCK FACED CONCRETE
BLOCK LANDSCAPE WALLS.

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

EXISTING TOPOGRAPHIC SURVEY
PREPARED BY DESIGNTEK SURVEYING
LLC. (708) 326-4961

OWNER:
JOHN BARRY
(708) 767-1222

RETAINING WALL

- TW 720.0
BW 718.0
- TW 720.0
BW 719.0

LOT AREA = 13,301 sf

PROPOSED CONDITIONS:
HOUSE/FOUNDATION = 2487 sf
STOOPS & STEPS = 68 sf
PORCH AREAS = 392 sf
DRIVEWAY = 340 sf
PATIO = 230 sf
SIDEWALK = 111 sf
TOTAL IMPERVIOUS AREA = 3628 sf
LOT COVERAGE = 27.28%

DESIGNTEK ENGINEERING, INC.
CONSULTING AND SITE DESIGN ENGINEERS
9500 BORMET DRIVE, SUITE 304
MOKENA, ILLINOIS 60448
(708) 326-4961

IL Prof. Lic. No.: 184-003740

2 PER CLIENT REVISIONS 03-04-13
1 PER VILLAGE REVIEW 02-11-13
REVISION

LOTS 1-4
9825 W. 144th STREET
ORLAND PARK, IL

PROPOSED GRADING PLAN

DRAWN NSS	CHECKED SDS	PROJECT NO. 13-0502
DATE: 1-4-13	SHEET 1	
SCALE: 1" = 20'	OF 1	