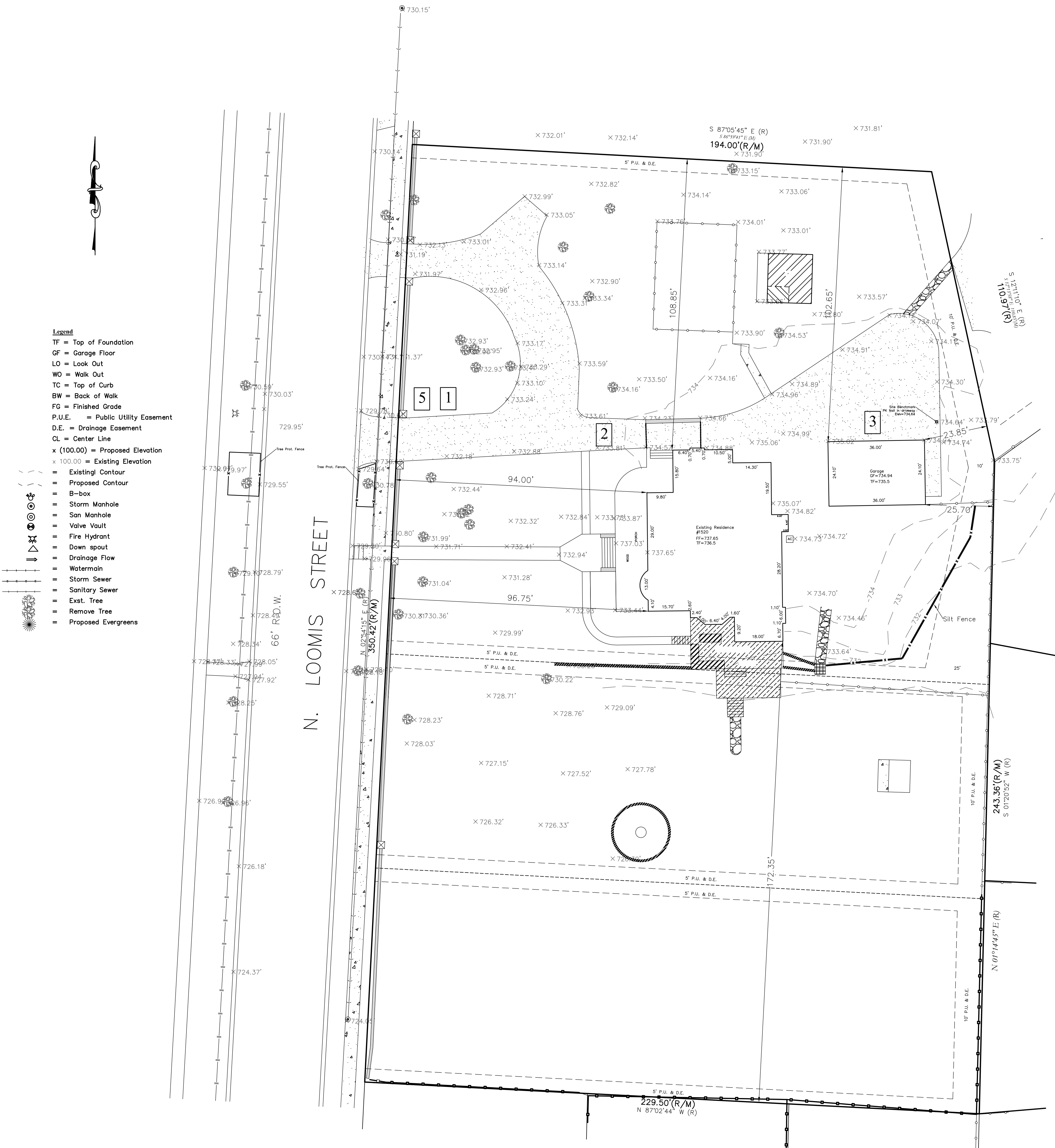


# Lot Development Plan - Existing Conditions & Erosion Control

Site Benchmark:  
PK nail set in  
driveway at the  
Northwest corner fo  
the garage.  
Elev=734.64 NAVD 88

Lots 4, 5 & 6 in Maple Terrace Unit 3, being a subdivision in Part of the North Half of Section 7, Township 38 North, Range 10 East of the Third Principal Meridian, according to the plat thereof recorded August 9, 1993 as document R93-177058, in DuPage County, Illinois.



- Legend**
- TF = Top of Foundation
  - GF = Garage Floor
  - LO = Look Out
  - WO = Walk Out
  - TC = Top of Curb
  - BW = Back of Walk
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  - P.U.E. = Public Utility Easement
  - D.E. = Drainage Easement
  - CL = Center Line
  - x (100.00) = Proposed Elevation
  - x 100.00 = Existing Elevation
  - - - = Existing Contour
  - - - = Proposed Contour
  - - - = B-box
  - - - = Storm Manhole
  - - - = San Manhole
  - - - = Valve Vault
  - - - = Fire Hydrant
  - - - = Down spout
  - - - = Drainage Flow
  - - - = Watermain
  - - - = Storm Sewer
  - - - = Sanitary Sewer
  - - - = Exst. Tree
  - - - = Remove Tree
  - - - = Proposed Evergreens

## Construction Notes

**GENERAL**

- All work shall be performed in accordance with the City of Naperville Specifications.
- The contractor shall contact J.U.L.E. and the City of Naperville a minimum of 48 hours prior to any excavation work.
- The contractor shall provide protective fencing around all parkway trees. Protective fencing shall be snow fence installed under the drip line of each tree. There shall be no construction materials, debris, or equipment stored within the limits of the fencing. The protective fencing shall be maintained throughout the entire construction phase.
- Any areas disturbed by construction outside the limits of the site shall be restored to the pre-construction condition. The contractor shall be responsible for taking photographs or videos of the pre-construction condition.

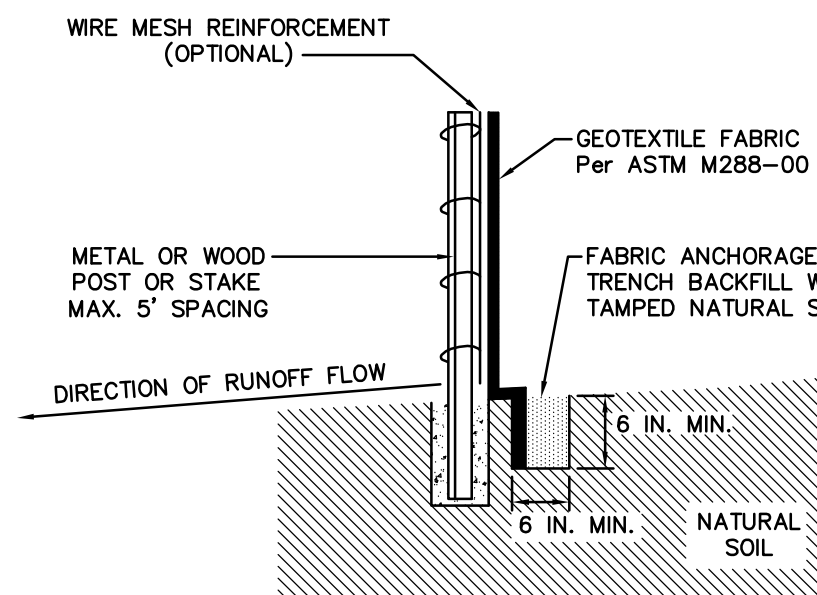
**EROSION CONTROL**

- All sediment and erosion control devices shall be functional before land is otherwise disturbed on the site. Soil disturbance shall be conducted in such a manner as to minimize erosion. Soil stabilization measures shall consider the time of year, site conditions and the use of temporary or permanent measures.
- The surface of stripped areas shall be permanently or temporarily protected from soil erosion within 15 days after final grade is reached. Stripped areas not at final grade that will remain undisturbed for more than 15 days after initial disturbance shall be protected from erosion. If a stockpile is to remain in place for more than 3 days, then sediment and erosion control devices shall be provided for said stockpile.
- Storm sewer inlets shall be protected with sediment trapping or filter control devices during construction. Water pumped or otherwise discharged from the site during construction dewatering shall be filtered.
- Any soil, mud or debris washed, tracked, or deposited onto the street shall be removed prior to the end of each working day.
- Vehicle access to the site shall be restricted to a gravel drive. Said drive shall be installed before any construction begins above the top of foundation.

**TREE PROTECTION NOTES**

- Install Tree Protection Fence and perform root pruning per plan for all protected trees prior to any construction activity.
- Fence the public portion (parkways) of the entire Tree Protection Zone(s) with a 6' chain link fence to prevent wounds to the parkway tree(s) as well as soil compaction. Post the fence with a sign stating "Tree Protection Zone-Keep Out".
- No trenching should be done within the Tree Protection Zones for any construction activity unless pre-approved by Building Department and Forestry staff.
- No grade changes should be done within the Tree Protection Zones of parkway trees for any construction activity.
- Should it be necessary to trench within the TPZ for utilities, including disconnection or capping of existing utilities, all trenches shall be hand dug. No roots larger than two (2") shall be cut unless no other alternative is feasible. All smaller roots that require cutting shall be cut with pruning saws. Cuts shall be made flush with the side of the trench. If at any time twenty-five (25%) of the area within the TPZ is being separated from the tree by a trench, then the line shall be either relocated or installed using trench-less methods.
- Locate the proposed water and sewer lines outside of the Tree Protection Zone or install the sewer and water utilities using trench-less methods. Auger through the entire Tree Protection Zone, locate ties outside of the Tree Protection Zone.
- At no time shall any equipment, materials, supplies or fill soil be allowed in the Tree Protection Zone(s). Do not store excavated soil or the dumpster within the drip-line (TPZ) of the parkway tree(s).

Existing Impervious	
House & Porch	3,840 sf
Garage	867 sf
Drive & Walks	7,254 sf
South Patio	830 sf
Out Building	375 sf
Rear Patio & walks	921 sf
<b>Total Impervious:</b>	<b>14,087 sf</b>



NOTE: DEPENDING UPON CONFIGURATION, ATTACH FABRIC TO WIRE MESH W/HOG RINGS, STEEL POSTS W/TIE WIRES, WOOD POSTS W/NAILS.

TYPICAL DETAILS FOR SILT FENCE CONSTRUCTION

**CERTIFICATION**

I hereby certify that this plan was prepared under my direct supervision, and pictorially represents the information obtained from field survey performed on September 20, 2023 along with data obtained from public sources, including utility atlas information and previous surveys and drawings pertaining to the site and adjoining properties.

Dated at Bartlett, Illinois,  
This 12th day of October, 2023.



**Survey Data**

Building location, building ties and measured property dimensions are based on plot of survey prepared by ARS Surveying Services, Inc. dated September 29, 2022.

*Raymond G. Ulreich*  
Raymond G. Ulreich, IL Licensed Professional Engineer No. 062-040213, Expires 11/30/2023

Taurus Engineering, L.L.C.

All dimensions are in Feet and Decimals thereof.

5N557 Route 59  
Bartlett, IL 60103  
630-549-5506  
tauruseng@sbcglobal.net  
Design Firm 184.002441-0002

Prepared For:  
Tranquility Builders  
10119 Clow Creek Rd  
SITE A  
Plainfield, IL 60585

Property Address:  
1520 N Loomis Street  
Project #23-093

Scale: 1"=20'	Revision:	Date:

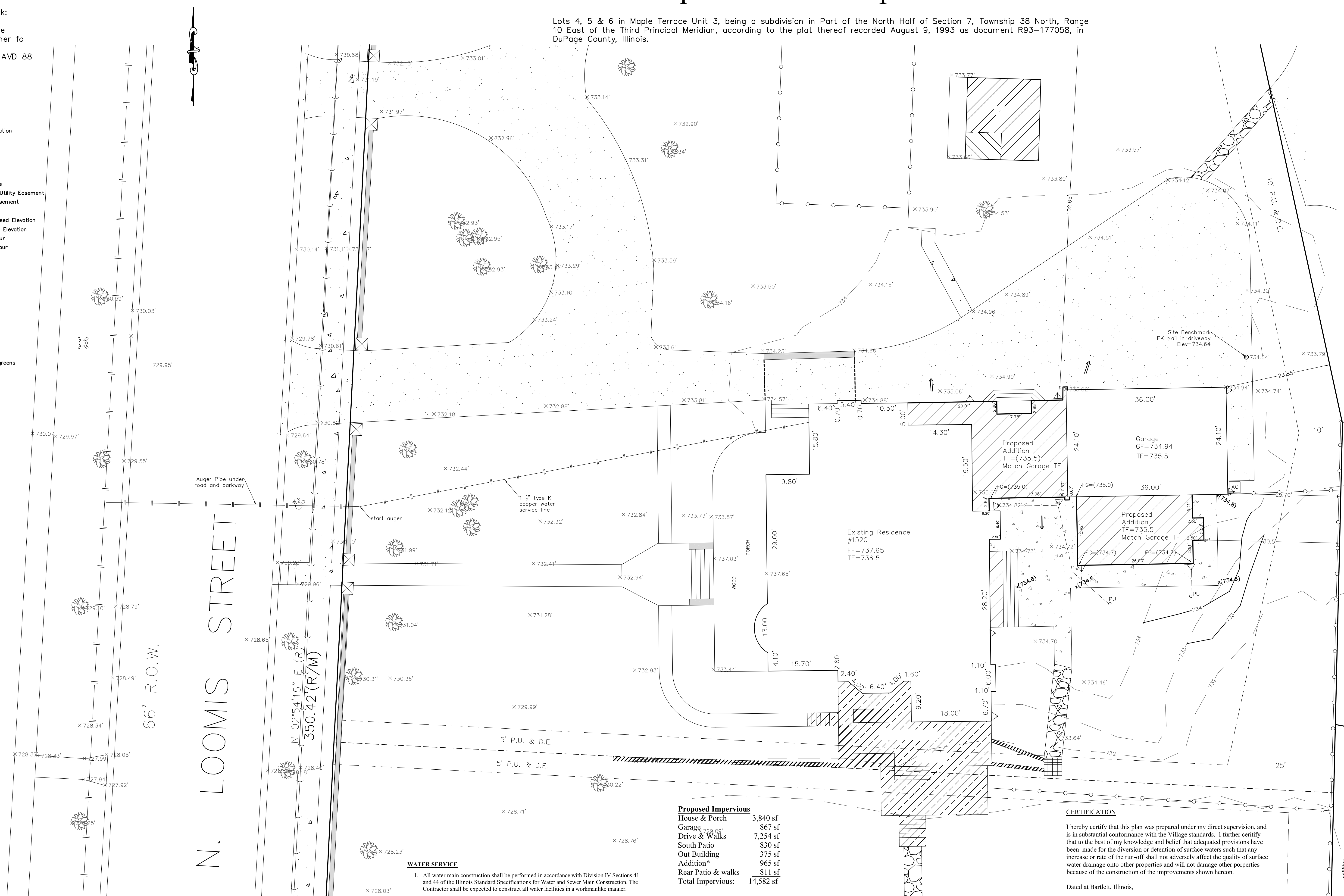
- 1 = Portable Toilet
- 2 = Refuse Dumpster
- 3 = Construction Material Storage
- 4 = Topsoil Stock-Pile
- 5 = Concrete Washout

# Lot Development Plan - Proposed Addition

Site Benchmark:  
PK nail set in  
driveway at the  
Northwest corner to  
the garage.  
Elev=734.64 NAVD 88

Lots 4, 5 & 6 in Maple Terrace Unit 3, being a subdivision in Part of the North Half of Section 7, Township 38 North, Range 10 East of the Third Principal Meridian, according to the plat thereof recorded August 9, 1993 as document R93-177058, in DuPage County, Illinois.

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  - Fire Hydrant
  - Down spout
  - Drainage Flow
  - Watermain
  - Storm Sewer
  - Sanitary Sewer
  - Ext. Tree
  - Remove Tree
  - Proposed Evergreens



**Proposed Impervious**

House & Porch	3,840 sf
Garage	867 sf
Drive & Walks	7,254 sf
South Patio	830 sf
Out Building	375 sf
Addition*	965 sf
Rear Patio & walks	811 sf
<b>Total Impervious:</b>	<b>14,582 sf</b>

\*Addition:

Breezeway Addition	552 sf
Garage Addition	413 sf

**Impervious Cover Change**

Proposed Impervious	14,582 sf
Existing Impervious	14,087 sf
Impervious change	495 sf

< 2,500 sf No VCBMP's required

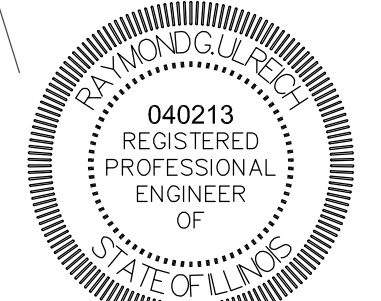
- WATER SERVICE**
- All water main construction shall be performed in accordance with Division IV Sections 41 and 44 of the Illinois Standard Specifications for Water and Sewer Main Construction. The Contractor shall be expected to construct all water facilities in a workmanlike manner.
  - Stainless steel service saddles with neoprene O-ring gaskets shall be used for all service connections, equal to a Cascade style CSC2, or approved equal. Corporation stops shall be Mueller #105020 or approved equal. Curb stops shall be Mueller ORI-Seal #H15201 or approved equal. Curb Box shall be Tyler 95E with word "Water" on cover. All materials shall be as approved by the Village. (See detail)
  - Water service boxes shall be as specified by the City, with sufficient adjustment length to allow a six inch (6") adjustment beyond surface grade.

**CERTIFICATION**

I hereby certify that this plan was prepared under my direct supervision, and is in substantial conformance with the Village standards. I further certify that to the best of my knowledge and belief that adequacy provisions have been made for the diversion or detention of surface waters such that any increase or rate of the run-off shall not adversely affect the quality of surface water drainage onto other properties and will not damage other properties because of the construction of the improvements shown herein.

Dated at Bartlett, Illinois,  
This 1st day of March, 2024.

*Raymond G. Ulrich*  
Raymond G. Ulrich, IL Licensed Professional Engineer No. 062-040213, Expires 11/30/2025



Taurus Engineering, L.L.C.

5N557 Route 59  
Bartlett, IL 60103  
630-549-5506  
tauruseng@sbcglobal.net  
Design Firm 184.002441-0002

Prepared For:	Property Address:	Original Plan Date	Scale: 1"=10'
Tranquility Builders 10119 Clow Creek Rd STE A Plainfield, IL 60585	1520 N Loomis Street Project #23-093	10-12-23 Revision: per Zoning review	Date: 3-1-24

All dimensions are in Feet and Decimals thereof.

# Lot Development Plan - Standard Village Details

**STEPS FOR THE ATTACHMENT OF TWO SILT FENCES:**

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.

**NOTES:**

1. TEMPORARY SILT 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 I WITH EQUIVALENT OPENING SIZE OF AT LEAST 30 FOR NON-WOVEN OR 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.
4. DEPENDING UPON THE CONFIGURATION, ATTACH FABRIC AND WIRE MESH WITH HOG RINGS, STEEL POST WITH TIE WIRES, WOOD POST WITH NAILS.

City of Naperville <b>STANDARD DETAIL</b>	TEMPORARY EROSION CONTROL MEASURE - SILT FENCE	LANDSCAPE 3
	REVISED: 01/01/2013	SHEET 2 OF 2

THE CONTRACTOR SHALL HAVE THE TREE LIMBS PRUNED THAT MIGHT BE DAMAGED BY EQUIPMENT OPERATIONS PRIOR TO CONSTRUCTION COMMENCING.

**NOTES:**

1. A TREE PROTECTION AREA SHALL BE ESTABLISHED AROUND A TREE A DISTANCE OF ONE FOOT FOR EACH ONE INCH OF TREE DIAMETER, UP TO A MAXIMUM OF 30 FEET.
2. PROTECTIVE TREE FENCE SHALL BE INSTALLED AT THE LIMITS OF THE TREE PROTECTION AREA. THE FENCE SHALL BE HIGH ENOUGH SO AS TO BE VISIBLE TO ALL CONSTRUCTION PERSONNEL.
3. GRADE CHANGES, UTILITY TRENCHES, STORAGE OF CONSTRUCTION MATERIAL, DUMPING OF WASTE, OR OPERATION OR STORAGE OF ANY EQUIPMENT SHALL NOT BE ALLOWED WITHIN THE TREE PROTECTION AREA.
4. AUGURING IS REQUIRED IF A UTILITY MUST BE INSTALLED WITHIN THE TREE PROTECTION AREA. AUGURED UTILITIES MUST BE A MINIMUM OF 24 INCHES BELOW GRADE.
5. ALL TREES TO BE SAVED WHICH HAVE BEEN SUBJECT TO CONSTRUCTION ACTIVITY WITHIN THE TREE PROTECTION AREA SHOULD BE SELECTIVELY THINNED 10% BY AN ARBORIST SKILLED AT THE SELECTIVE THINNING PROCEDURE. NONE OF THE TREES SHALL BE TOPPED, HEADED BACK, SKINNED (REMOVAL OF THE INTERIOR BRANCHES), OR CLIMBED WITH SPIKES. ALL DEAD WOOD SHOULD BE REMOVED TO AVOID HAZARD.
6. IT IS RECOMMENDED THAT FOLLOWING CONSTRUCTION, TREES BE MAINTAINED IN THEIR NATIVE CONDITION. NO LAWN SHOULD BE PLACED AROUND THE TREES. IT IS RECOMMENDED THAT THE AREA BE MULCHED WITH 2 INCHES OF DECOMPOSED LEAVES AND 2 INCHES OF WOOD CHIPS OR BARK.

City of Naperville <b>STANDARD DETAIL</b>	TREE PROTECTION	LANDSCAPE 10
	REVISED: 08/01/2018	SHEET 1 OF 1

WATER MAIN SIZE	TAP SIZE	CONNECTION TYPE
6" OR SMALLER	1" OR SMALLER	DIRECT CONNECTION
	1 1/4" OR LARGER	SADDLE CONNECTION
8" OR LARGER	1 1/4" OR SMALLER	DIRECT CONNECTION
	1 1/2" OR LARGER	SADDLE CONNECTION

**NOTES:**

1. CORPORATION IS TO BE FLARING TYPE (FORD F-800 OR EQUAL BY MUELLER OR A.Y. MCDONALD). FOR SERVICE SIZE 1 1/2".
2. 1/8" BEND ELBOW - FEMALE FLARE TO COMPRESSION: FORD L404, OR AN APPROVED EQUAL BY MUELLER, OR A.Y. MCDONALD (NOT AVAILABLE IN 1" 1/2" SIZED SEE NOTE 1.).
3. CURB BOX IS ARCH PATTERN WITH 1-1/4" UPPER SECTION, WITH 1-1/4" BRASS PENTAGON PLUG.
4. CURB STOP IS WITH COMPRESSION COUPLING - FORD B44 CURB STOP, OR EQUAL BY MUELLER, OR A.Y. MCDONALD.
5. B-BOX HAS 1" THREADED BRASS PENTAGON PLUG WITH THE WORD "WATER" IN RAISED LETTERS ON CAP. (1-1/4" PENT. PLUG FOR 1-1/4" ID. B-BOXES).
6. CORPORATION STOPS SHALL BE INSTALLED A MINIMUM OF 18" FROM PIPE JOINTS AND ENDS. MULTIPLE INSTALLATIONS SHOULD BE STAGGERED AROUND THE MAIN BY 22-1/2" AND SEPARATED FROM EACH OTHER BY 18".
7. WATER SERVICE LINE SMALLER THAN 3" SHALL BE TYPE K COPPER. IF JOINTS ARE REQUIRED DUE TO LENGTH OF SERVICE, THEN ONLY COMPRESSION TYPE COUPLING SHALL BE PERMITTED. NO SOLDERED OR FLARED TYPE JOINTS ARE ALLOWED.
8. SERVICE TAPS SHALL REQUIRE SADDLES IN ACCORDANCE WITH CHART BELOW. SADDLES SHALL BE STAINLESS STEEL (S.S.), BANNED, DUCTILE IRON OR BRASS SADDLE (FORD F3202, 2020S OR APPROVED EQUAL) RED'S FOR TAPS.
9. ALL WATERMAIN AND APPURTENANCES MUST COMPLY WITH SECTION 1417 (A)(1) OF THE SAFER DRINKING WATER ACT (SDWA). ALL PRODUCT USED FOR DISPENSING POTABLE WATER MUST MEET BOTH THE NSF 61 AND NSF 372 TEST OF STANDARDS VIA THIRD PARTY TESTING AND CERTIFICATIONS.

City of Naperville <b>STANDARD DETAIL</b>	SERVICE TAP AND CONNECTION	WATER 20
	REVISED: 05/15/2015	SHEET 1 OF 1

Taurus Engineering, L.L.C.

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5N557 Route 59  
Bartlett, IL 60103  
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Design Firm 184.002441-0002

Prepared For:	Property Address:	Revision:	Scale: NTS
Tranquility builders 10119 Clow Creek Rd STE. A Plainfield, IL 60585	1520 N Loomis Street Project #23-093	Date	