



Office of Water Resources, Michael A. Bilandic Building, 160 N. LaSalle St., S-703, Chicago, IL 60601

January 22, 2026

Application No. C20260001

Illinois Department of Natural Resources, Office of Water Resources
Public Notice

**Construction of a stormwater outfall,
in Lake Michigan, at 1055 Sheridan Road, Winnetka, IL 60093**

The Jill Fitzgerald Revocable Trust, 1055 Sheridan Road, Winnetka, IL 60093, has applied for an Illinois Department of Natural Resources, Office of Water Resources permit for the construction of a stormwater outfall, in Lake Michigan, at 1055 Sheridan Road, Winnetka, IL 60093.

The proposed stormwater outfall will consist of a two-foot diameter upflow basin; a directionally-bored, six-inch diameter PVC storm sewer pipe; and a six-foot by eight-foot area of rip rap. The upflow basin will be located at the toe of the existing stone revetment, near the north property line. The rim elevation of the upflow basin will be 587.00. The top elevation of the rip rap will be 585.00. All elevations are International Great Lakes Datum 1985-adjusted (IGLD-85). The proposed project will be reviewed using the Department's Part 3704 Rules. A location map and plans are attached to this notice.

No work is to start on this project unless and until such a time that the permit is issued.

Inquiries and comments regarding the proposed project can be directed to Eric Otto, Senior Water Resources Engineer, of the Chicago Office at IDNR/OWR, 160 N. LaSalle Street, Suite S-703, Chicago, Illinois 60601 or eric.otto@illinois.gov.

An expanded version of the public notice can be viewed at
<https://dnr.illinois.gov/waterresources/publicnotices.html>.

The signatures, email addresses, and phone numbers of the applicant, co-applicant (if any), and authorized agent (if any) are redacted from this public notice. The mailing addresses and phone numbers of adjoining and adjacent property owners are redacted from this public notice.

Comments will be accepted through **February 23, 2026**.



Shabica & Associates, Inc.

Mr. Eric Otto, PE
IDNR, OWR
160 N. LaSalle St., S-703
Chicago, IL 60601

Dear Mr. Otto:

January 5, 2026

Please find enclosed a permit application for a stormwater outfall within and east of the revetment toe for the property located at 1055 Sheridan Road in Winnetka, Illinois 60093, owned by Mary Fitzgerald. We ascertain the scope of this project requires an individual permit from the IDNR. As the work is entirely above the visual OHWM, the work is above the jurisdiction of the USACE. The notification requirements are addressed in the attached spreadsheet.

The proposed activity complies with the approved Illinois Coastal Management Program and will be conducted in a manner consistent with such policies. It is our understanding that this permit will require Section 39 but not Section 401 from the Illinois Environmental Protection Agency (IEPA). Work will not begin until all necessary permits have been received. This work will require 1 week to complete.

The project consists of installation of an upflow basin at the toe of the revetment. The riprap will be minimally 3.85' south of the extension of the north property line and the area will be 6' x 8'. A directionally bored 6" PVC pipe will exit the bluff and connect into the upflow basin. Approximately 15 tons of rip rap will be placed around the basin to help support the structure as well as provide scour protection. All material will be clean. All of the described activities and plans will follow IP terms and conditions. All of the proposed work adheres to the guidelines prescribed by the IEPA and its Anti-Degradation Assessment. U.S. Fish & Wildlife Service will be updated on all relevant correspondence.

If you have any questions, please feel free to call me at the phone number below.

Sincerely,

Jon Shabica
Vice President

C: USACE (Hall)
IEPA, Bureau of Water, Permit Section
U.S. Fish & Wildlife Service
CNM Development (Tondola)
Mary Fitzgerald

COVER LETTER
1055 Sheridan Road, Winnetka, IL 60093 • December 29, 2025



2021 Google Earth (approximate property lines in yellow)



2025 SA Photo: Shows existing conditions at the project location

JOINT APPLICATION FORM FOR ILLINOIS

ITEMS 1 AND 2 FOR AGENCY USE

1. Application Number		2. Date Received				
3. and 4. (SEE SPECIAL INSTRUCTIONS) NAME, MAILING ADDRESS AND TELEPHONE NUMBERS						
3a. Applicant's Name: Mary Fitzgerald, Trustee Company Name (if any): Jill Fitzgerald Revocable Trust Address: 1055 Sheridan Road Winnetka, IL 60093		3b. Co-Applicant/Property Owner Name (if needed or if different from applicant): Company Name (if any): Address:		4. Authorized Agent (an agent is not required): Shabica & Associates, Inc. Company Name (if any): Shabica & Associates, Inc. Address: 550 Frontage Road Suite 3735 Northfield, IL 60093		
Email Address:		Email Address:		Email Address:		
Applicant's Phone Nos. w/area code Business: Residence: Cell: Fax:		Applicant's Phone Nos. w/area code Business: Residence: Cell: Fax:		Agent's Phone Nos. w/area code Business: Residence: Cell: Fax:		
STATEMENT OF AUTHORIZATION						
I hereby authorize, <u>Shabica & Associates, Inc.</u> to act in my behalf as my agent in the processing of this application and to furnish, upon request, supplemental information in support of this permit application.						
_____ Applicant's Signature		_____ Date <i>1-5-2026</i>				
5. ADJOINING PROPERTY OWNERS (Upstream and Downstream of the water body and within Visual Reach of Project)						
Name a. see attached list b. c. d.	Mailing Address			Phone No. w/area code		
6. PROJECT TITLE: Stormwater Outfall						
7. PROJECT LOCATION: Lakefront at 1055 Sheridan Road, Winnetka, IL						
LATITUDE: 42.12048		°N	UTMs			
LONGITUDE: -87.73565		°W	Northing: 4663413.22 m Easting: 16T 439186.30 m			
STREET, ROAD, OR OTHER DESCRIPTIVE LOCATION 1055 Sheridan Road		LEGAL DESCRIPT	QUARTER	SECTION	TOWNSHIP NO.	RANGE
			NE	17	42N	13E
<input checked="" type="checkbox"/> IN OR <input type="checkbox"/> NEAR CITY OF TOWN (check appropriate box)		WATERWAY Lake Michigan			RIVER MILE (if applicable)	
Municipality Name Winnetka						
COUNTY Cook	STATE IL	ZIP CODE 60093				

Revised 2010

Corps of Engineers

IL Dep't of Natural Resources

IL Environmental Protection Agency

Applicant's Copy

8. PROJECT DESCRIPTION (Include all features):

The project consists of installation of an upflow basin at the toe of the revetment. The riprap will be minimally 3.85' south of the extension of the north property line and the area will be 6' x 8'. A directionally bored 6" PVC pipe will exit the bluff and connect into the upflow basin. Approximately 15 tons of rip rap will be placed around the basin to help support the structure as well as provide scour protection.

9. PURPOSE AND NEED OF PROJECT:

Site drainage

COMPLETE THE FOLLOWING FOUR BLOCKS IF DREDGED AND/OR FILL MATERIAL IS TO BE DISCHARGED

10. REASON(S) FOR DISCHARGE:

11. TYPE(S) OF MATERIAL BEING DISCHARGED AND THE AMOUNT OF EACH TYPE IN CUBIC YARDS FOR WATERWAYS:

TYPE:

AMOUNT IN CUBIC YARDS:

12. SURFACE AREA IN ACRES OF WETLANDS OR OTHER WATERS FILLED (See Instructions)

13. DESCRIPTION OF AVOIDANCE, MINIMIZATION AND COMPENSATION (See instructions)

14. Date activity is proposed to commence

May 1, 2026

Date activity is expected to be completed

May 10, 2026

15. Is any portion of the activity for which authorization is sought now complete?

Month and Year the activity was completed

Yes

No



NOTE: If answer is "YES" give reasons in the Project Description and Remarks section.
Indicate the existing work on drawings.

16. List all approvals or certification and denials received from other Federal, interstate, state, or local agencies for structures, construction, discharges or other activities described in this application.

Issuing Agency

Type of Approval

Identification No.

Date of Application

Date of Approval

Date of Denial

17. CONSENT TO ENTER PROPERTY LISTED IN PART 7 ABOVE IS HEREBY GRANTED.

Yes No

18. APPLICATION VERIFICATION (SEE SPECIAL INSTRUCTIONS)

Application is hereby made for the activities described herein. I certify that I am familiar with the information contained in the application, and that to the best of my knowledge and belief, such information is true, complete, and accurate. I further certify that I possess the authority to undertake the proposed activities.

12-29-2025

Date

Signature of Applicant or Authorized Agent

Signature of Applicant or Authorized Agent

Date

Signature of Applicant or Authorized Agent

Date

Corps of Engineers
Revised 2010

IL Dep't of Natural Resources

IL Environmental Protection Agency

Applicant's Copy

SEE INSTRUCTIONS FOR ADDRESS

Vicinity Map



Stormwater Outfall

1055 Sheridan Road
Winnetka, IL 60093



Shabica & Associates, Inc.

Location of Project: 1055 Sheridan Road, Winnetka, IL 60093

List of property owners (from North to South):

1. Eileen Hovey,
2. Matt Hulsizer,
3. Village of Winnetka,
4. Subject Property:
5. Stephen Fussell,
6. Jack Levin,
7. 979 Sheridan Road LLC,
8. CTLTC 008002375625,
9. Howard Garoon,
10. Ralph Peters,
11. Terry McKay,
12. Elaine Jaharis,
13. Winnetka Park District,

14. Winnetka Park District,

North

WINNETKA



LAKE

MICHIGAN

SCALE IN FEET
200 0 200

LOCATION MAP

PROPOSED SITE IMPROVEMENTS FOR

1055 SHERIDAN ROAD

PART OF SECTION 17, T 42 N, R 13 E

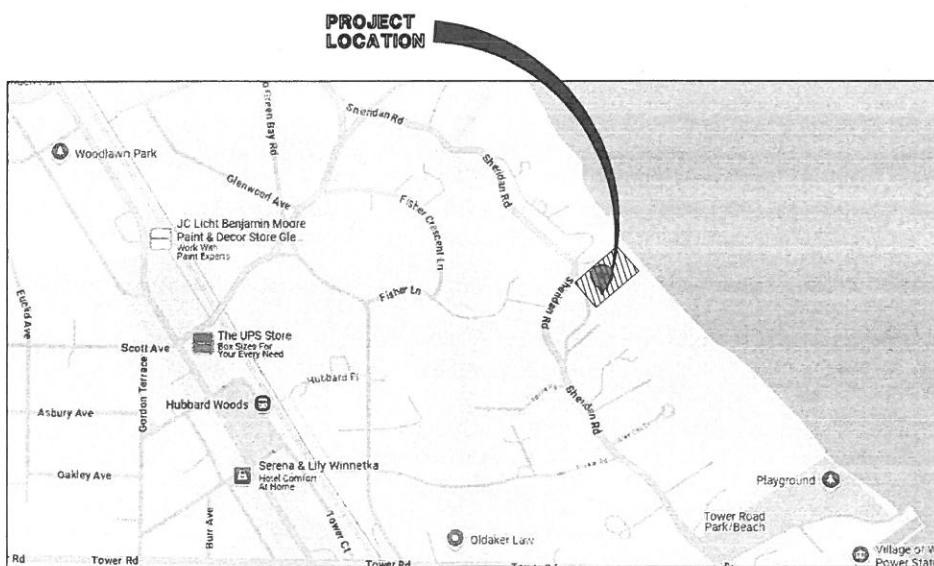
VILLAGE OF WINNETKA

COOK COUNTY, ILLINOIS

INDEX OF SHEETS

LAST REV.	DATE
12-17-25	
12-17-25	
12-17-25	
10-20-25	
11-21-25	
12-17-25	
08-25-25	
12-17-25	
08-25-25	
12-17-25	

1. TITLE SHEET
2. EXISTING CONDITIONS
3. GENERAL LAYOUT
4. TREE REMOVAL PLAN
5. STORM SEWER AND GRADING PLAN
6. EXISTING CONDITIONS WITH SECTIONS
7. SECTIONS
8. SECTIONS
9. SECTIONS
10. DETAILS



LOCATION MAP

EXISTING UTILITIES:

WHEN THE PLANS OR SPECIAL PROVISIONS INCLUDE INFORMATION PERTAINING TO THE LOCATION OF UNDERGROUND UTILITY FACILITIES, SUCH INFORMATION REPRESENTS ONLY THE OPINION OF THE ENGINEER AS TO THE LOCATION OF SUCH UTILITIES AND IS ONLY INCLUDED FOR THE CONVENIENCE OF THE BIDDER. THE ENGINEER AND OWNER ASSUME NO RESPONSIBILITY WHATSOEVER IN RESPECT TO THE SUFFICIENCY OR ACCURACY OF THE INFORMATION SHOWN ON THE PLANS RELATIVE TO THE LOCATION OF UNDERGROUND UTILITY FACILITIES OR THE MANNER IN WHICH THEY ARE TO BE REMOVED OR ADJUSTED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES. HE SHALL ALSO OBTAIN FROM THE REPRESENTATIVE UTILITY COMPANIES DETAILED INFORMATION RELATIVE TO THE LOCATION OF THEIR FACILITIES AND THE WORKING SCHEDULES OF THE UTILITY COMPANIES FOR REMOVING OR ADJUSTING THEM.



SIGNATURE /
12-17-25
DATE
EXPIRES 11-30-27



GREENGARD, INC.
Engineers • Surveyors • Planners
111 Barclay Blvd., Suite 310, Lincolnshire, Illinois 60069-3623
PHONE: 847-634-3883 E-MAIL: 321@GREENGARDINC.COM

BENCHMARK: SOURCE BENCHMARK:
BRASS WATER RESOURCES MONUMENT IN
CONCRETE, LOCATED AT THE NORTHWEST CORNER
OF HIBBARD ROAD AND HILL ROAD.
ELEVATION=623.36 (NAVD 88)

JOB BENCHMARK:
ARROW BOLT ON HYDRANT
ELEVATION=654.48
(TO CONVERT TO IGLD85 SUBTRACT 0.533)

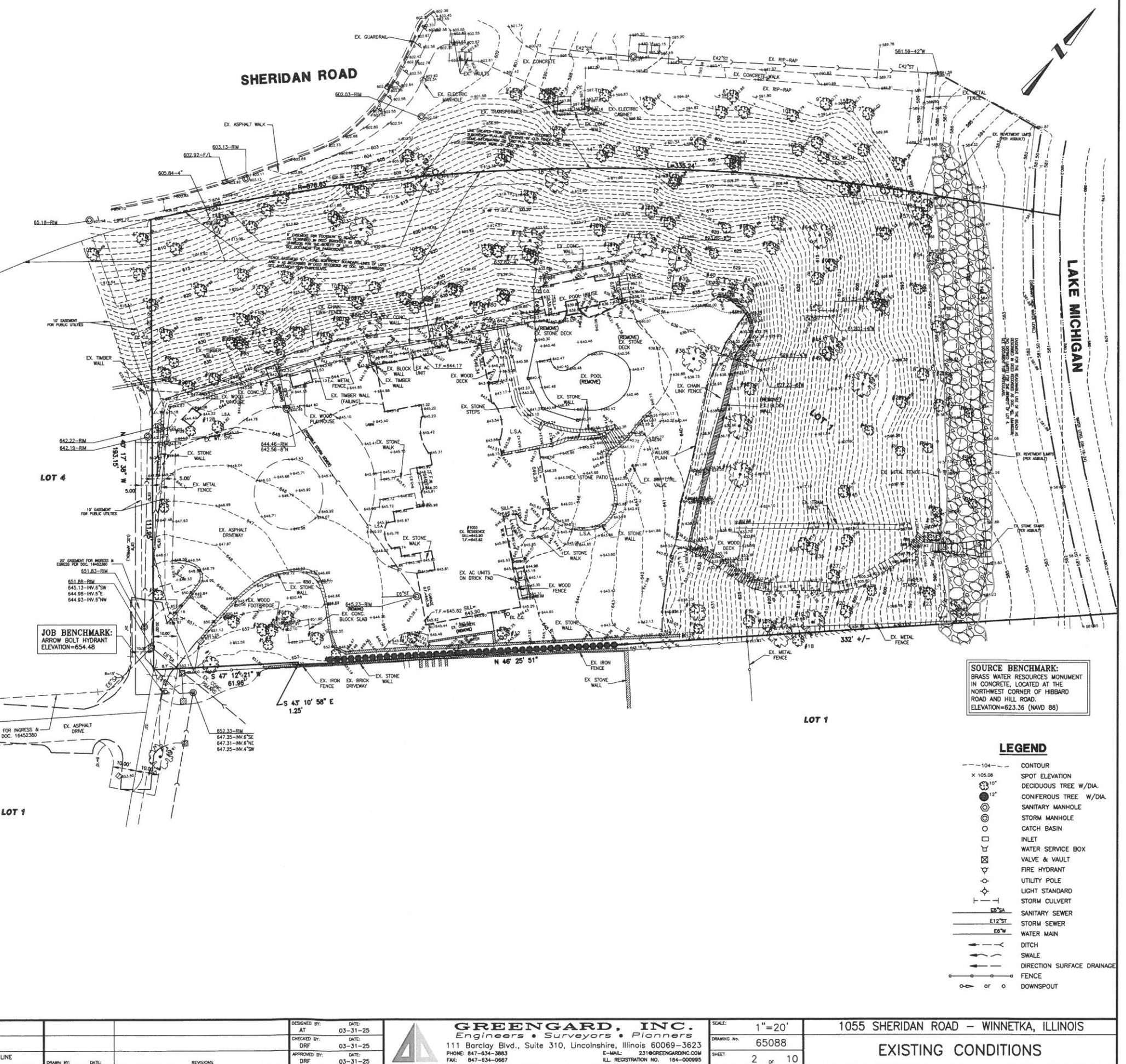
SCALE IN FEET		AT 12-17-25 REVISED UPFLOW BASIN DETAILS	AT 11-21-25 REVISED UPFLOW BASIN	AT 10-10-25 REVISED PER VILLAGE REVIEW	AT 08-23-25 REVISED UPFLOW BASIN	AT 07-16-25 REVISED PER VILLAGE REVIEW	
		DRAWN BY: DATE: REVISIONS	DRAWN BY: DATE: REVISIONS	DRAWN BY: DATE: REVISIONS	DRAWN BY: DATE: REVISIONS	DRAWN BY: DATE: REVISIONS	
		DESIGNED BY: DATE: 03-31-25	CHECKED BY: DATE: 03-31-25	APPROVED BY: DATE: 03-31-25			
		DRF	DRF	DRF			
SOLE PROPERTY OF GREENGARD, INC. AND NO REPRODUCTION OR USE IN WHOLE OR PART WITHOUT WRITTEN PERMISSION OF GREENGARD, INC.		GREENGARD, INC. Engineers • Surveyors • Planners 111 Barclay Blvd., Suite 310, Lincolnshire, Illinois 60695-3623 PHONE: 847-634-3853 FAX: 847-634-0687 E-MAIL: 231@GREENGARDINC.COM ILL. REGISTRATION NO. 164-000995			SCALE: NONE	1055 SHERIDAN ROAD - WINNETKA, ILLINOIS	
					DRAWING No. 65088	TITLE SHEET	
					SHEET 1 OF 10		

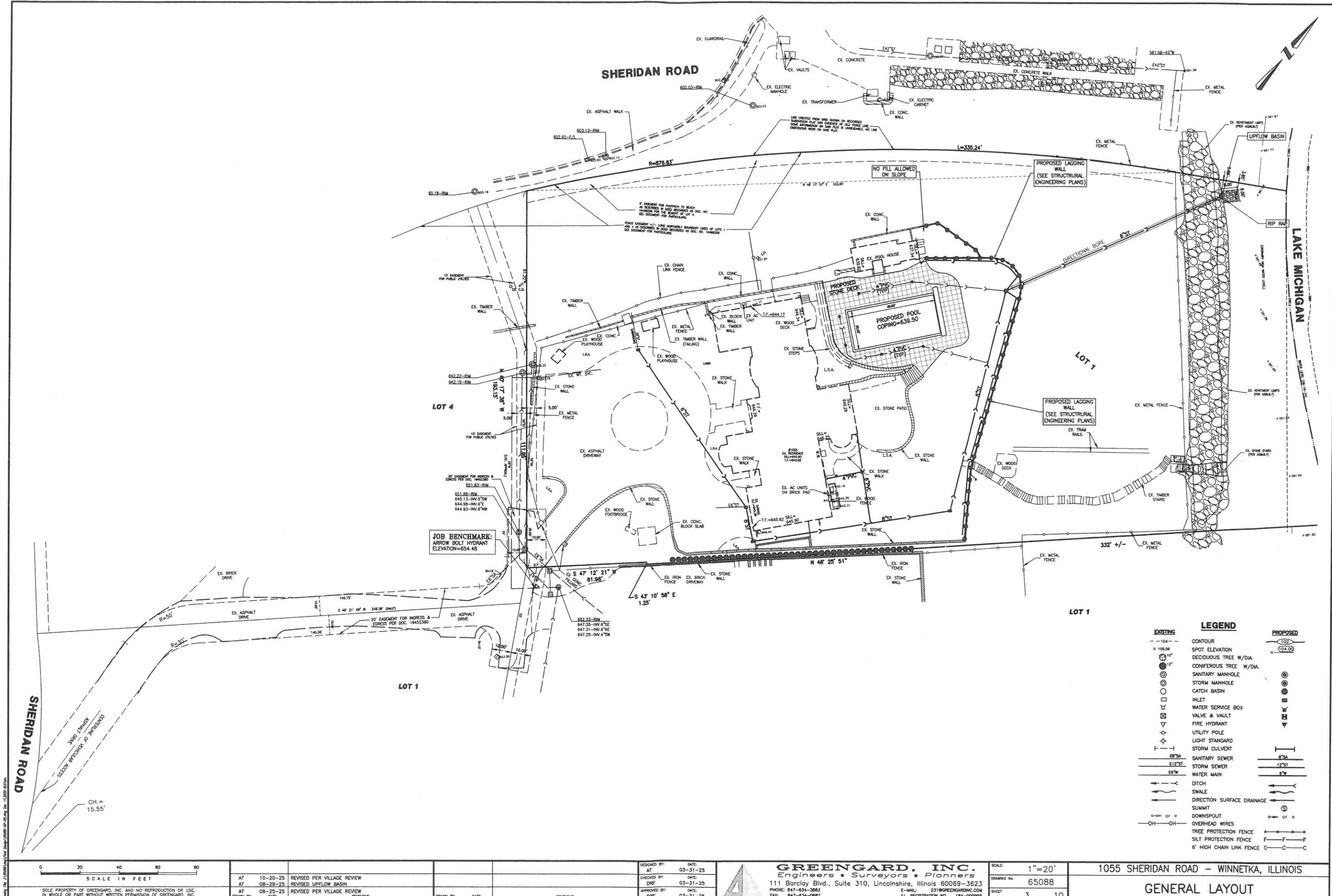
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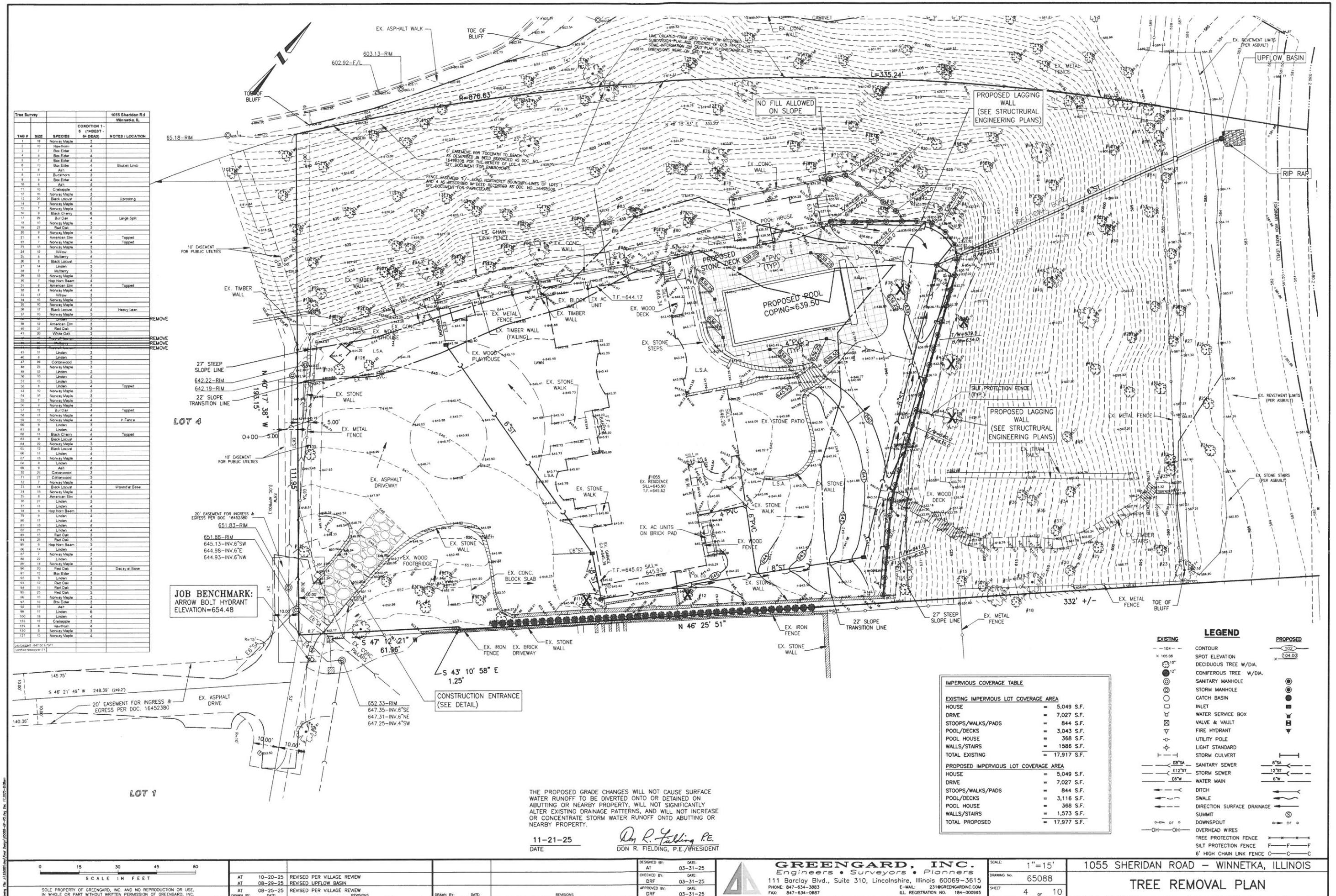
LOT 1 IN WOODGATE HILL SUBDIVISION, OF PART OF LOT 1 IN THE SUBDIVISION OF BLOCKS 15 AND 16 IN HUBBARD ESTATES SUBDIVISION IN THE NORTHEAST FRACTIONAL 1/4 OF SECTION 17, TOWNSHIP 42 NORTH, RANGE 13, EAST OF THE THIRD PRINCIPAL MERIDIAN, IN COOK COUNTY, ILLINOIS.

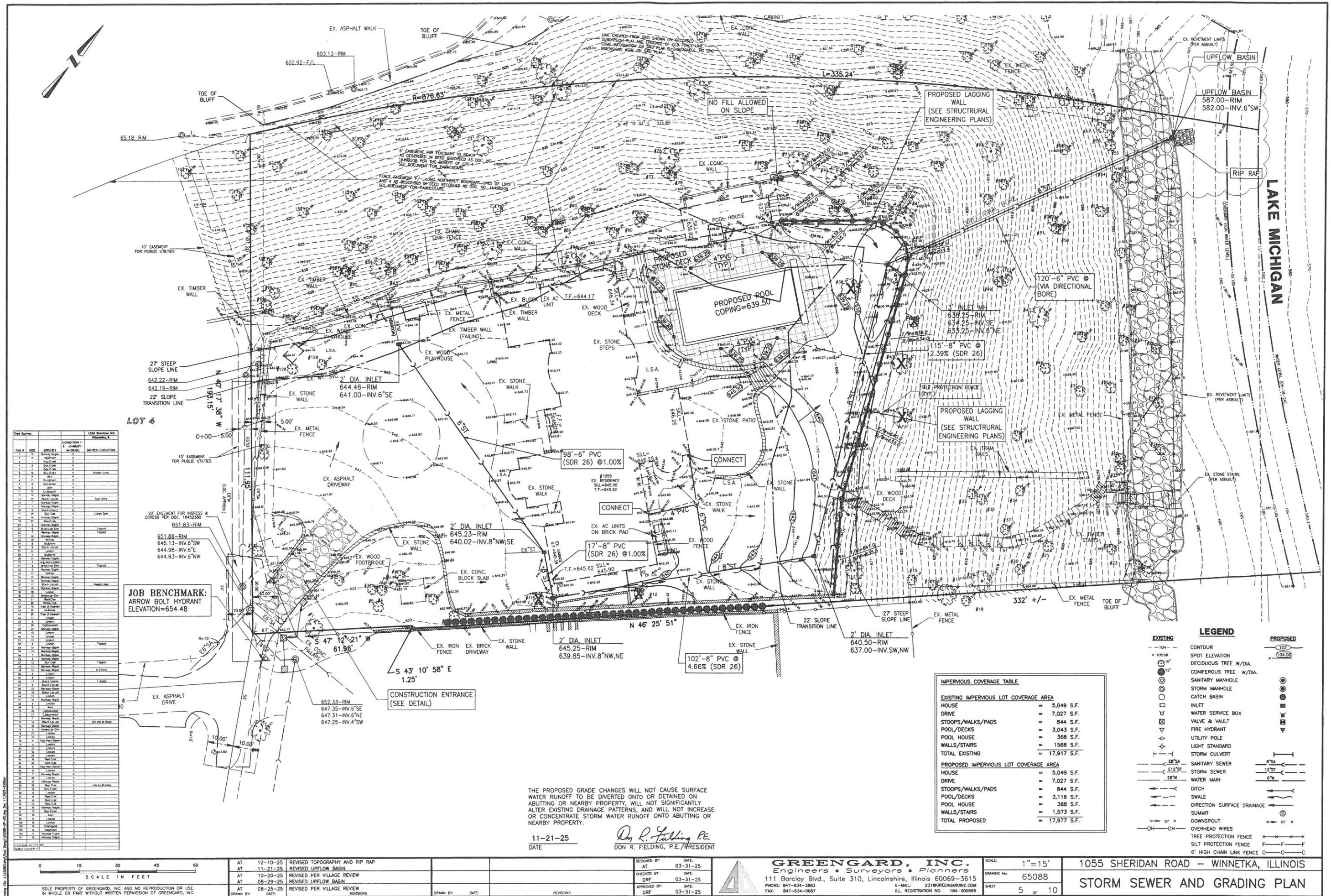
Tree Survey		1055 Sheridan Rd Winnetka, IL		
TAG #	SIZE	SPECIES	CONDITION 1 - LIVE - DEAD	
			NOTES / LOCATION	DEAD
1	18	Norway Maple	3	
2	10	Hornbeam	4	
3	7	Beech	3	
4	8	Beech	4	
5	7	Beech	4	
6	10	Beech	4	
7	9	Ash	4	
8	11	Buckthorn	3	
9	9	Buckthorn	4	
10	8	Ash	4	
11	10	Cold-wood	4	
12	16	Norway Maple	3	
13	25	Black Locust	5	Uprooting
14	7	Black Locust	3	
15	7	Norway Maple	3	
16	9	Black Cherry	3	
17	28	Beech	4	Large Split
18	10	Norway Maple	3	
19	27	Red Oak	3	
20	9	Norway Maple	4	
21	10	Red Oak	4	
22	7	Norway Maple	3	Topped
23	18	Norway Maple	3	Topped
24	12	Willow	3	
25	10	Mulberry	3	
26	6	Black Locust	3	
27	14	Linden	3	
28	17	Linden	3	
29	15	Norway Maple	3	
30	7	Hop Horn Beam	4	
31	17	American Elm	4	Topped
32	8	Norway Maple	3	
33	17	Willow	3	
34	15	Norway Maple	3	
35	10	Black Locust	3	
36	17	Black Locust	4	Heavy Lean
37	10	Norway Maple	3	
38	18	Linden	3	
39	15	American Elm	4	
40	31	Red Oak	3	
41	20	White Oak	3	
42	12	Tree of Heaven	3	
43	16	Mulberry	3	
44	16	Tree of Heaven	4	
45	6	Linden	3	
46	12	Linden	3	
47	29	Cold-wood	3	
48	21	Norway Maple	3	
49	12	Linden	3	
50	10	Linden	3	
51	15	Linden	3	
52	8	Linden	3	Topped
53	10	Norway Maple	3	
54	16	Norway Maple	3	
55	7	Norway Maple	4	
56	12	Norway Maple	3	
57	12	Bur Oak	4	Topped

Sheridan Road

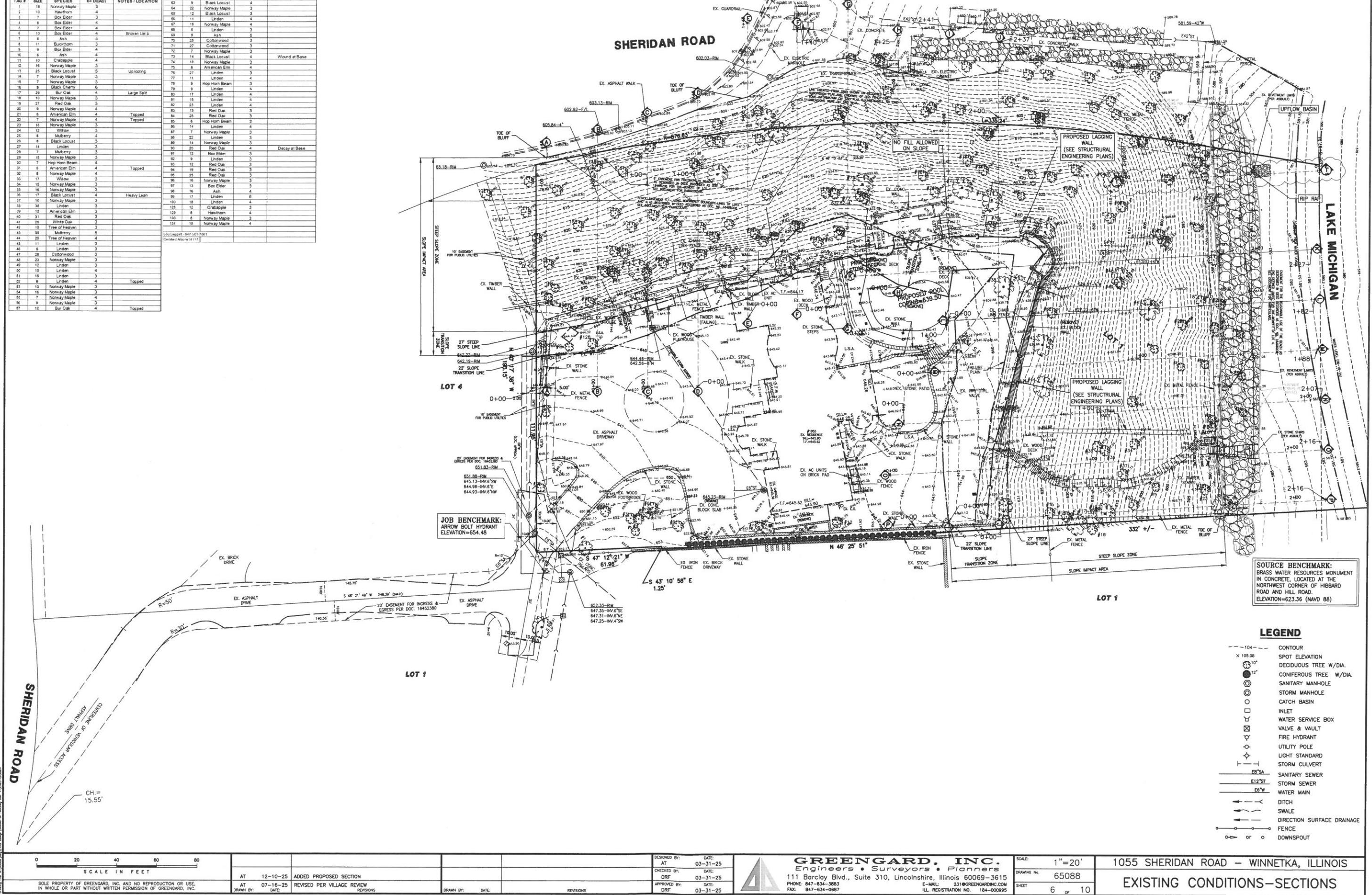


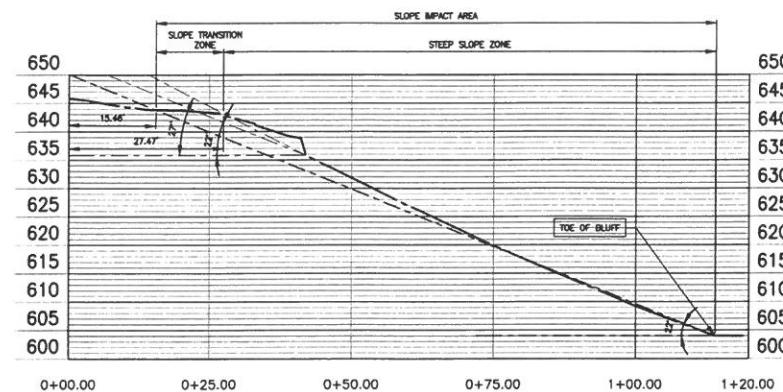
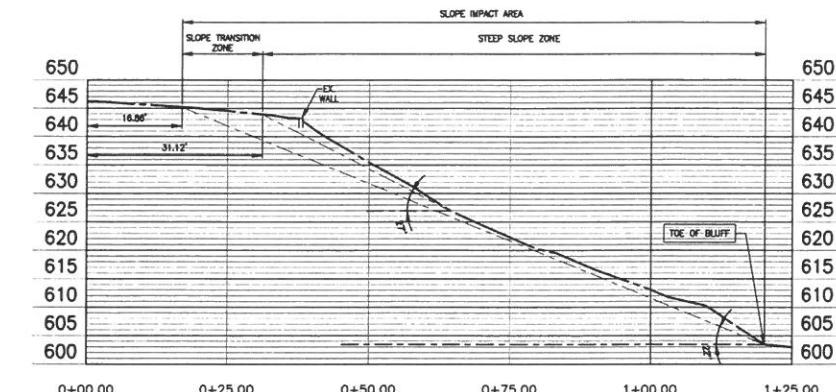
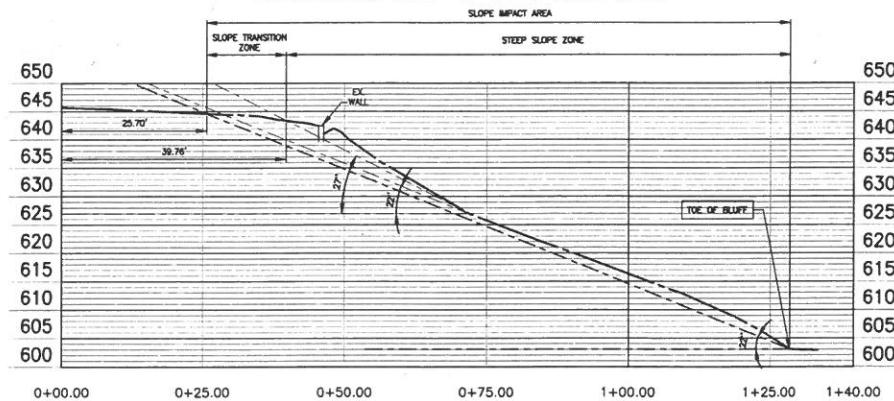
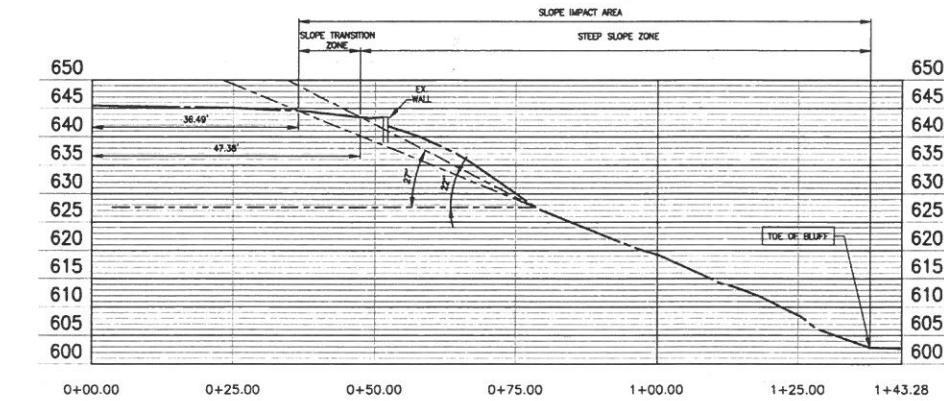
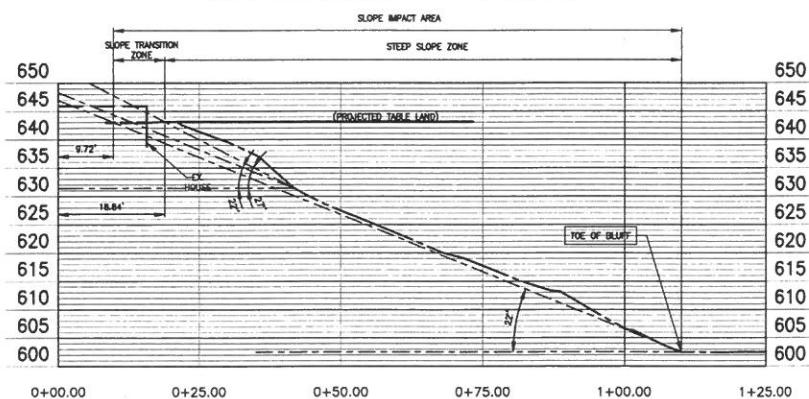
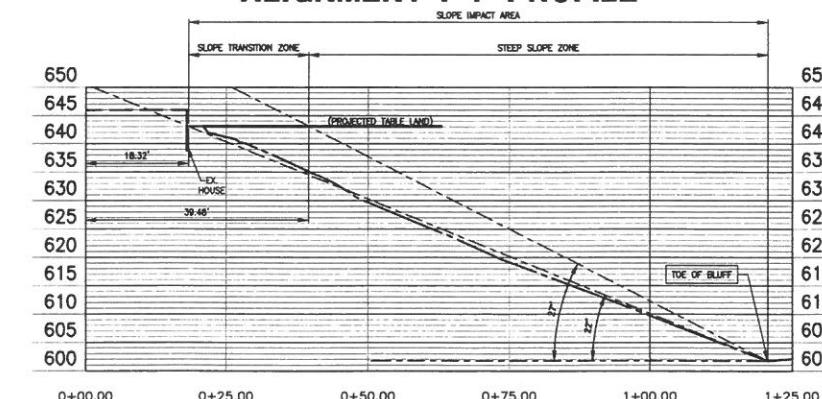


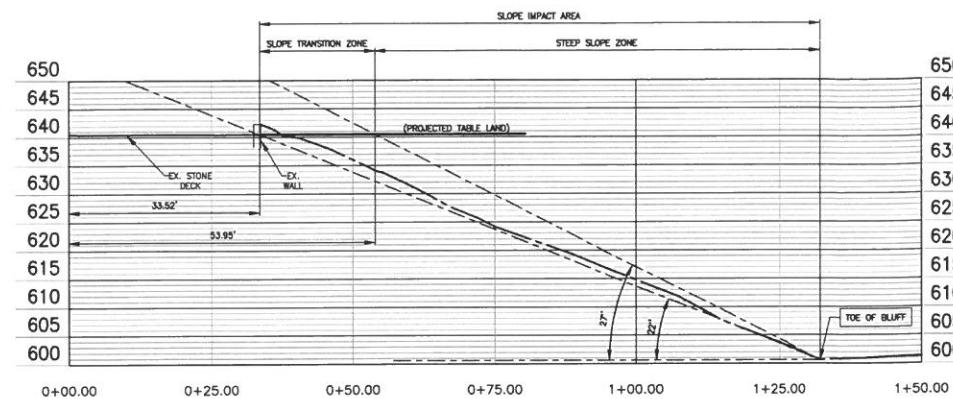
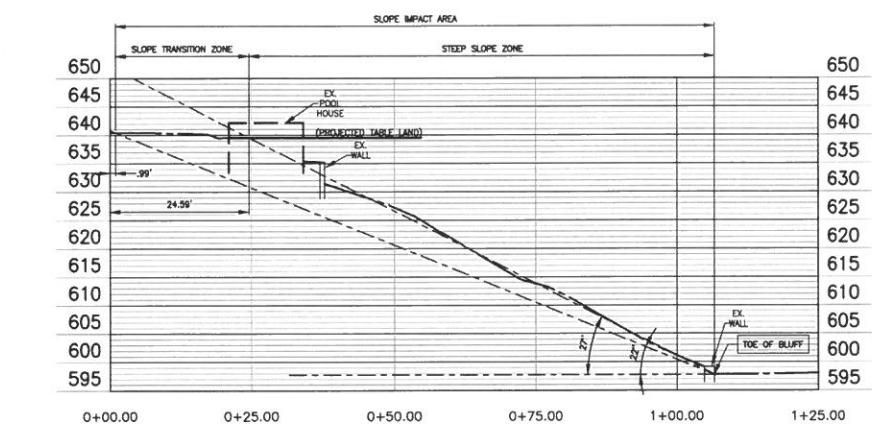
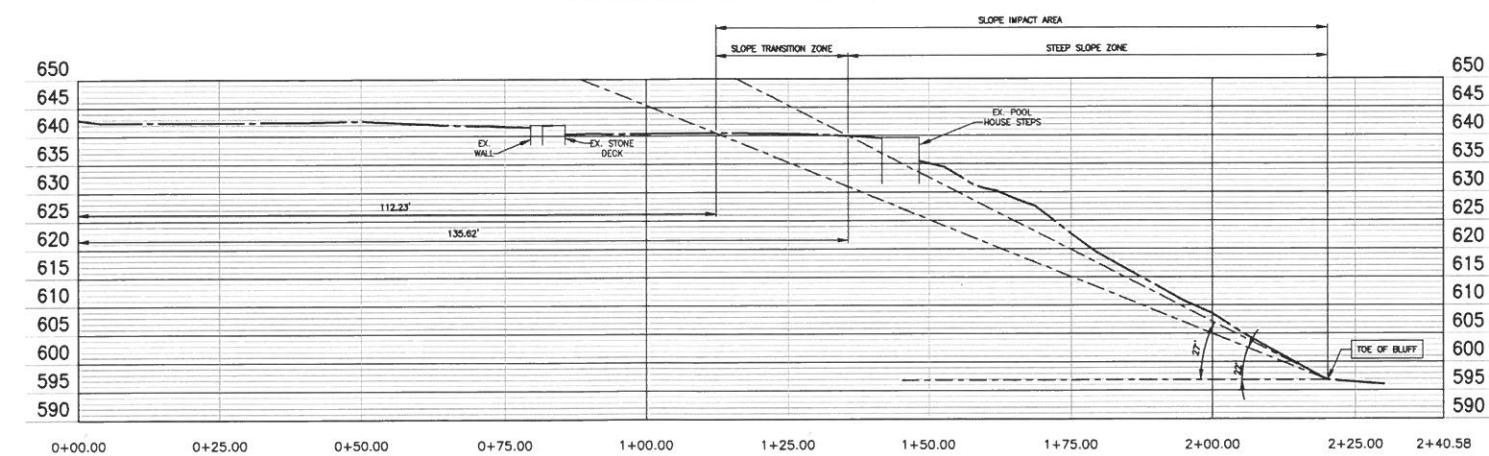
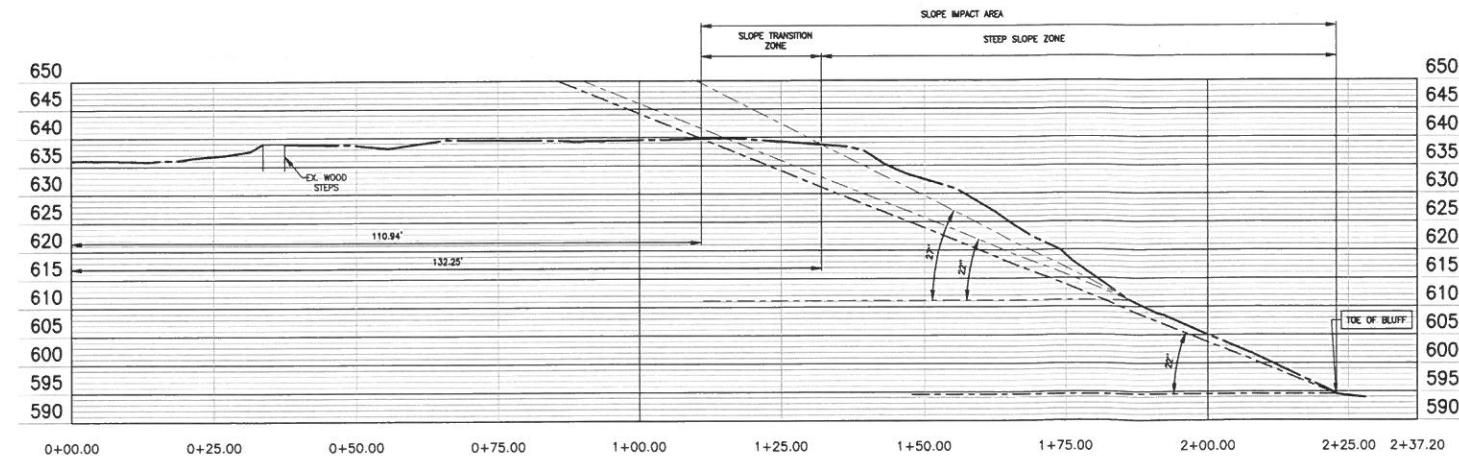
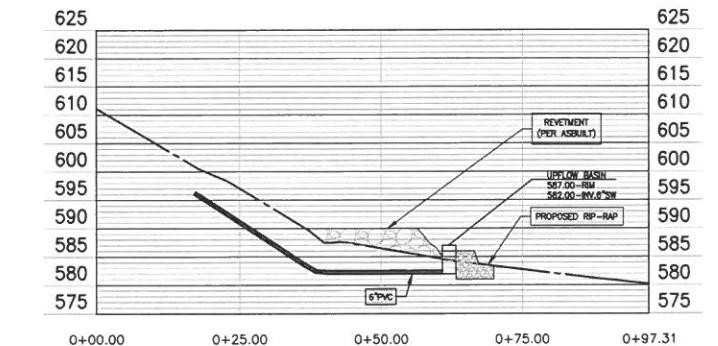




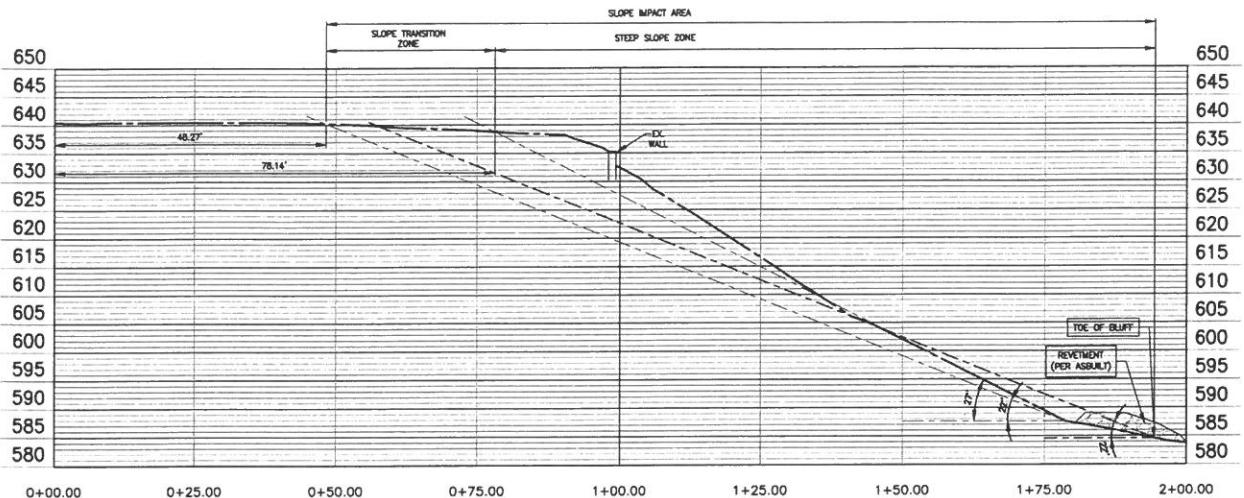
Tree Survey			
1055 Sheridan Rd Winnetka, IL			
TAO #	SIZE	SPECIES	NOTES / LOCATION
1	18	Norway Maple	4
2	10	Hawthorn	4
3	7	Box Elder	3
4	7	Box Elder	4
5	7	Box Elder	4
6	10	Box Elder	4
7	6	Ash	4
8	11	Buckthorn	3
9	9	Buckthorn	4
10	6	Ash	4
11	10	Crabapple	4
12	8	Norway Maple	3
13	13	Black Locust	5
14	7	Norway Maple	3
15	7	Norway Maple	3
16	9	Black Cherry	6
17	29	Bur Oak	4
18	13	Norway Maple	3
19	27	Red Oak	3
20	9	Norway Maple	4
21	6	American Elm	4
22	7	Norway Maple	4
23	18	Norway Maple	3
24	12	Willow	3
25	6	Mulberry	4
26	7	Black Locust	3
27	14	Mulberry	3
28	7	Mulberry	3
29	15	Norway Maple	3
30	7	Hop Horn Beam	4
31	3	American Elm	4
32	8	Norway Maple	3
33	17	Willow	3
34	15	Norway Maple	3
35	16	Norway Maple	3
36	18	Bur Oak	4
37	10	Norway Maple	4
38	34	Linden	3
39	12	American Elm	3
40	31	White Oak	3
41	29	White Oak	3
42	15	Tree of Heaven	3
43	25	Tree of Heaven	4
44	11	Linden	3
45	6	Linden	3
46	27	Cottonwood	3
47	23	Norway Maple	3
48	12	Linden	3
49	22	Linden	4
50	8	Linden	3
51	15	Linden	4
52	8	Linden	4
53	10	Norway Maple	3
54	14	Norway Maple	3
55	7	Norway Maple	4
56	9	Norway Maple	3
57	12	Bur Oak	4



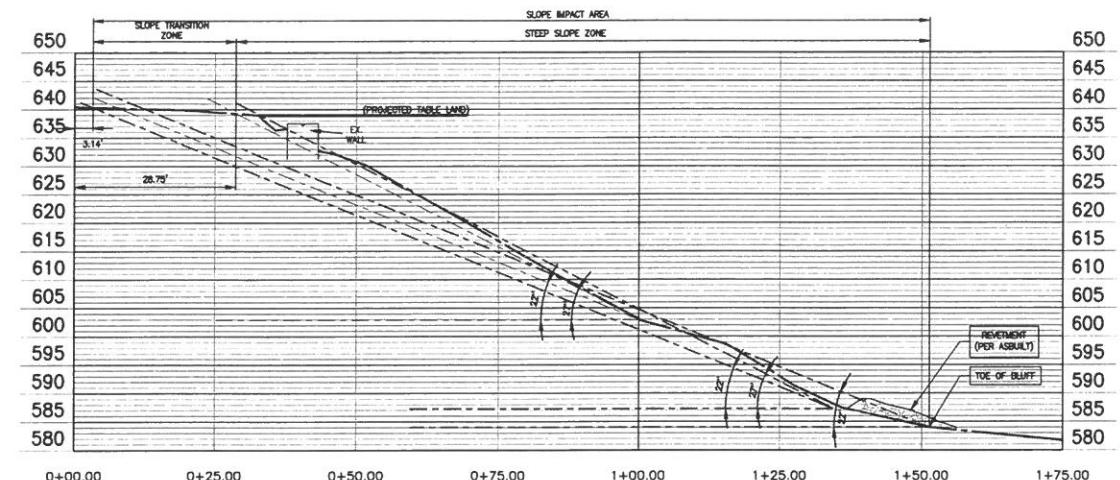
ALIGNMENT A-A PROFILE**ALIGNMENT B-B PROFILE****ALIGNMENT C-C PROFILE****ALIGNMENT D-D PROFILE****ALIGNMENT E-E PROFILE****ALIGNMENT F-F PROFILE**

ALIGNMENT G-G PROFILE**ALIGNMENT H-H PROFILE****ALIGNMENT I-I PROFILE****ALIGNMENT J-J PROFILE****ALIGNMENT J1-J1 PROFILE**

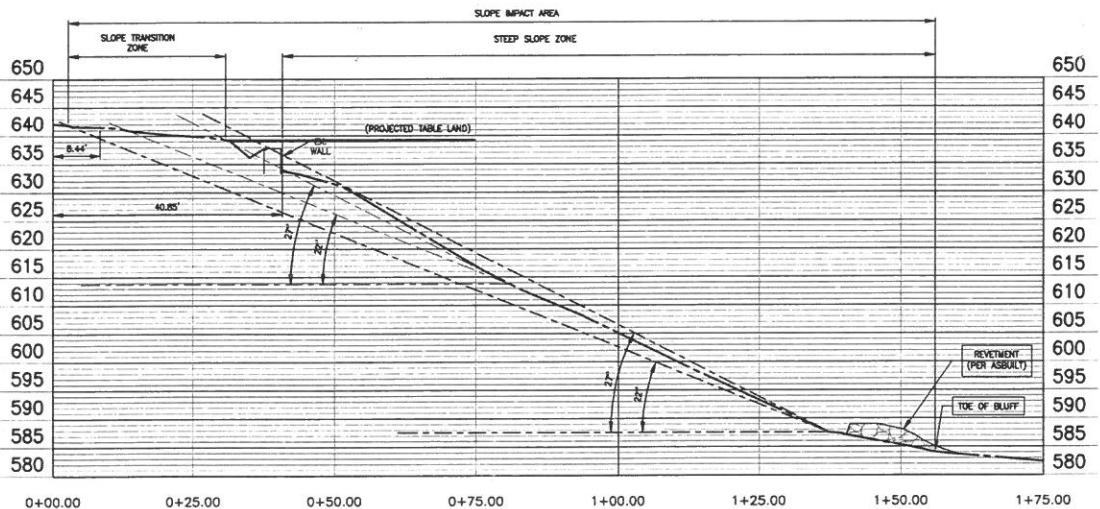
ALIGNMENT K-K PROFILE



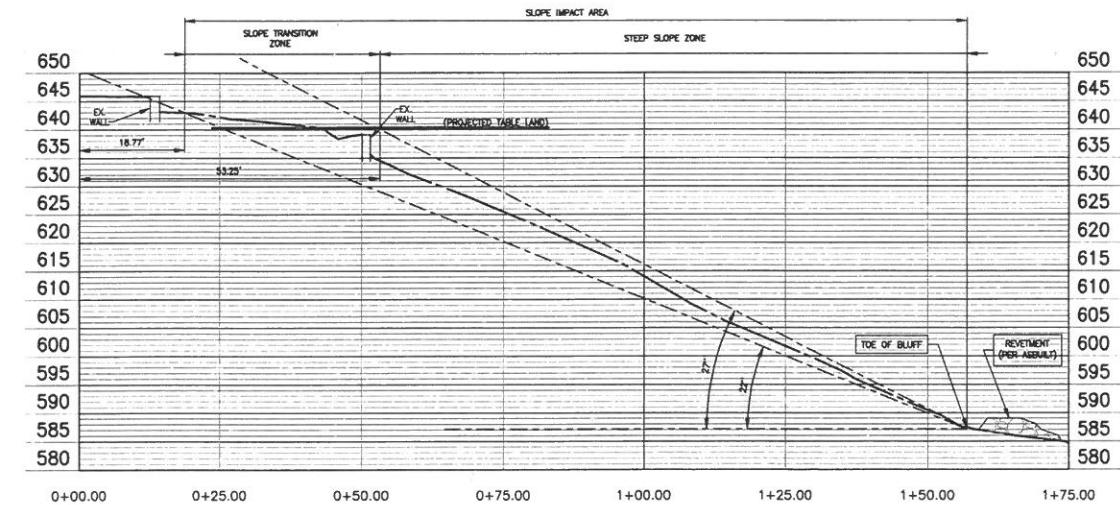
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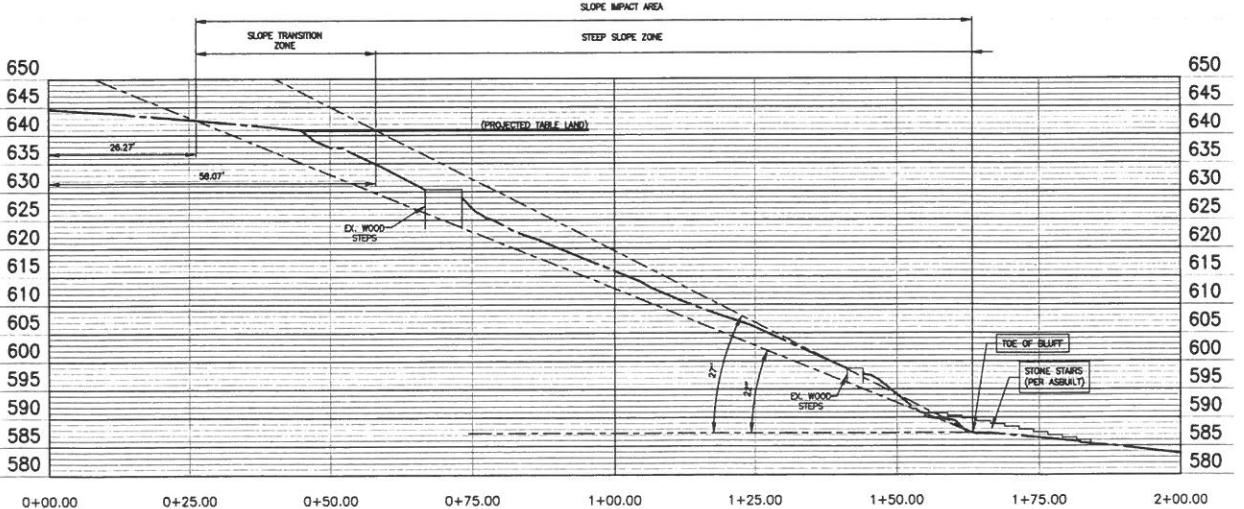
ALIGNMENT M-M PROFILE



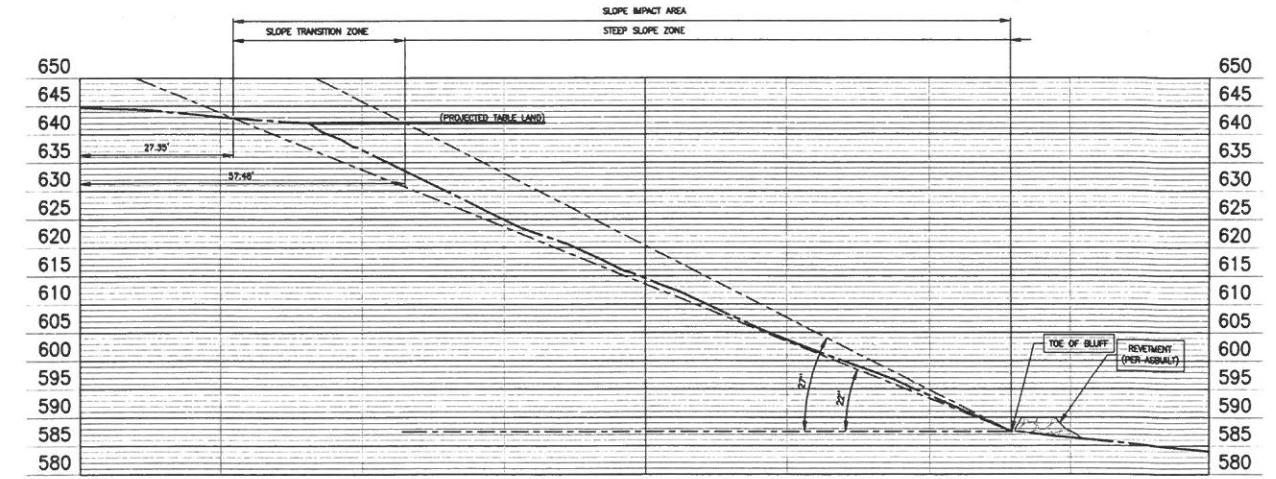
ALIGNMENT N-N PROFILE



ALIGNMENT O-O PROFILE



ALIGNMENT P-P PROFILE



GENERAL NOTES

- FOR SEWER AND WATER MAIN STUB LOCATIONS, CONTACT THE VILLAGE OF WINNETKA PUBLIC WORKS DEPARTMENT. ALL EXISTING SERVICES NEED TO BE FIELD VERIFIED BY THE CONTRACTOR.
- ALL DISTURBED PARKWAY LAWN AREAS WITHIN THE PUBLIC RIGHT-OF-WAY SHALL BE RESTORED WITH SIX-INCH (6") OF PULVERIZED TOPSOIL AND SOD.
- NO CONSTRUCTION EQUIPMENT SHALL BE OPERATED, OR CONSTRUCTION MATERIALS OR EXCAVATED MATERIALS STORED OUTSIDE OF THE CONSTRUCTION AREA OR OF EXISTING TREES.
- WHERE NATURAL VEGETATION IS REMOVED DURING GRADING, SOIL EROSION AND SEDIMENT CONTROL SHALL BE INITIATED AND VEGETATION SHALL BE PROMPTLY RE-ESTABLISHED WITHIN 30 DAYS IN SUFFICIENT DENSITY TO PROVIDE EFFECTIVE EROSION CONTROL AS DETERMINED BY THE DIRECTOR OF PUBLIC WORKS/VILLAGE ENGINEER. PERMANENT VEGETATION SHALL BE ESTABLISHED AS SOON AS POSSIBLE AFTER GRADING HAS BEEN COMPLETED.
- WHEN GRADING OPERATIONS ARE COMPLETED OR SUSPENDED FOR 30 DAYS, PERMANENT VEGETATION MUST BE ESTABLISHED AT SUFFICIENT DENSITY EFFECTIVE EROSION CONTROL BETWEEN PERMANENT VEGETATION (GRASS SEEDING). TEMPORARY COVER SHALL BE PROVIDED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPLACEMENT OF ANY DAMAGED PUBLIC PROPERTY AS A RESULT OF CONSTRUCTION ON THIS SITE. ALSO NOTE THAT ALL PUBLIC PROPERTY TO BE REMOVED/REPLACED AS PART OF THIS PROJECT SHALL BE DONE SO IN ACCORDANCE WITH VILLAGE STANDARDS.
- DUST CONTROL MEASURES SHOULD BE USED, WHEN APPLICABLE, TO MINIMIZE THE SPREAD OF DUST/BURNT MATERIALS.
- BUILDING MATERIALS AND OTHER CONSTRUCTION SITE WASTES MUST BE PROPERLY MANAGED AND DISPOSED OF TO REDUCE THE RISK OF POLLUTION.
- THE DEVELOPER/CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING THE PUBLIC R.O.W. FREE FROM DIRT AND DEBRIS. TRUCKS AND OTHER CONSTRUCTION EQUIPMENT SHOULD BE CLEANED ON SITE TO PREVENT MUD FROM BEING DEPOSITED ON THE R.O.W.
- ANY TEMPORARY DIRT STOCKPILES SHALL BE FOR FOUNDATION BACKFILL ONLY. ALL OTHER EXCAVATED MATERIALS MUST BE REMOVED FROM SITE IMMEDIATELY. STOCKPILE OF SOIL THAT IS LEFT FOR A PERIOD GREATER THAN 7 DAYS MUST BE STABILIZED AND PROVIDED WITH THE APPROPRIATE SOIL EROSION AND SEDIMENTATION CONTROL MEASURES. NO STOCKPILE SHOULD BE PLACED WITHIN 25 FEET TO A ROADWAY OR DRAINAGE CHANNEL.
- ALL TEMPORARY SOIL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE DISPOSED OF WITHIN 30 DAYS AFTER SITE STABILIZATION OR AFTER MEASURES ARE NO LONGER NEEDED. ALL TRAPPED SEDIMENT AND OTHER DISTURBED SOIL AREAS RESULTING FROM THE REMOVAL OF TEMPORARY MEASURES SHOULD BE PERMANENTLY STABILIZED TO PREVENT FURTHER EROSION AND SEDIMENTATION.
- SOIL EROSION AND SEDIMENTATION CONTROL MEASURES MUST BE MAINTAINED THROUGHOUT THE ENTIRE CONSTRUCTION PROCESS.
- CONCRETE TRUCK WASHOUT MUST NOT OCCUR WITHIN THE RIGHT-OF-WAY OR DOWN STORM INLET STRUCTURES.
- ALL PUBLIC SIDEWALKS REMOVED FOR UTILITY WORKS MUST BE BACKFILLED AND SURFACED WITH TEMPORARY CONCRETE OR COLD PATCHED BEFORE THE END OF THE DAY. NO GRAVEL ON PUBLIC SIDEWALKS IS ALLOWED.
- ALL TRENCHES UNDER PUBLIC ROADWAYS MUST BE BACKFILLED WITH CONTROLLED STRENGTH MATERIAL (CLSM) COMMONLY KNOWN AS "FLOWABLE FILL". CLSM MATERIAL SHOULD BE USED FOR THE BEDDING OF THE PIPE AND ONE-FOOT (1') OVER THE TOP OF PIPE. THE REMAINDER OF THE BACKFILL MATERIAL MUST BE CLSM.
- ALL PROPOSED CUTS IN THE PUBLIC PAVEMENT, SIDEWALK OR CURB AND GUTTER MUST BE SAW-CUT FULL-DEPTH PRIOR TO REMOVAL.
- ALL EXISTING GRADES MUST BE MAINTAINED AT THE PROPERTY LINE.
- SWALES SHOULD BE MINIMUM SIX-INCH (6") DEEP AND TWO-FOOT (2') WIDE. DAMMING OR DISPLACING WATER ON ADJACENT PROPERTIES IS NOT PERMITTED.
- STORM AND SANITARY SERVICES CONNECTED TO SEWER MAINS SHALL BE PERFORMED IN CONFORMANCE WITH THE VILLAGE'S STANDARDS AND CODES.
- PROPOSED SEWER AND WATER SERVICES TO THE HOME SHALL BE AUGERED UNDER THE DRIP LINES OF ALL TREES. NO OPEN CUTTING WITHIN THE DRIP LINE WILL BE PERMITTED WITHOUT THE APPROVAL OF THE VILLAGE FORESTER.
- SUMP PUMP TO DISCHARGE TO STORM SEWER. SUMP PUMP SERVICE LINE SHALL BE SIX-INCH (6") P.V.C., SDR 26 AT A MINIMUM ONE PERCENT (1.00%) GRADE.
- WATER SERVICE SHALL BE ONE-AND-HALF-INCH (1 1/2") COPPER TYPE "K".
- SANITARY SEWER SERVICE SHALL BE SIX-INCH (6") P.V.C. SDR 26. A SANITARY SEWER SERVICE CLEAUNOUT, WITH A WATERLIGHT SWEEP-DOWN CAP, SHALL BE PROVIDED TEN-FOOT (10') FROM THE OUTSIDE FACE OF BUILDING FOUNDATION.
- THE WATER SERVICE AND THE STORM/SANITARY SERVICE SHALL HAVE A TEN-FOOT (10') MINIMUM HORIZONTAL SEPARATION.
- DOWNSPOUTS ARE TO SPLASH ON GRADE AND SHALL DRAIN TOWARD PROPOSED SWALE INLETS. DOWNSPOUT DISCHARGE MUST NOT DRAIN TOWARD OR ONTO ADJACENT PROPERTIES.
- ALL STORM SEWER SHALL BE P.V.C., SDR 26, AT A MINIMUM ONE-PERCENT (1.00%) GRADE, AND SHALL HAVE FOUR-INCH (4") CA-7 BEDDING EXTENDED UP TO TWELVE INCHES (12') OVER THE TOP OF THE PIPE (UNLESS OTHERWISE NOTED).
- WHEN CONNECTING TO AN EXISTING SEWER MAIN BY MEANS OTHER THAN AN EXISTING WYE OR TEE, ONE OF THE FOLLOWING METHODS SHALL BE USED:

 - USING A PIPE CUTTER, NEATLY AND ACCURATELY CUT OUT THE DESIRED LENGTH OF THE FORGED, OR PRE-MADE, COUPLING. USE PLATE SEWAGE COUPLINGS OR SIMILAR COUPLINGS AND SHEAR RINGS AND CLAMPS TO FASTEN THE INSERTED FITTINGS AND HOLD IT FIRMLY IN PLACE. MISION COUPLINGS SHALL HAVE THE LENGTH OF BOOT APPROXIMATELY EQUAL TO THE PIPE DIAMETER, FOLLOW MANUFACTURE'S RECOMMENDATIONS FOR THE INSTALLATION.
 - NO CUT-IN CONNECTIONS, MADE BY BREAKING OR CUTTING A HOLE IN THE MAIN AND INSERTING THE SPICOT END OF AN ORDINARY SEWER PIPE SHALL BE MADE.
 - CIRCULAR SAW-CUT OF SEWER MAIN WITH PROPER TOOLS ("SHEWER-TAP" MACHINE OR SIMILAR) AND PROPER INSTALLATION OF A "ROMAC CB" SEWER SADDLE OR APPROVED EQUAL, A HUB WYE OR TEE SADDLE CONTAINING A FLEXIBLE BOOT, IN ACCORDANCE WITH MANUFACTURE'S RECOMMENDATIONS. THIS METHOD SHALL ONLY BE ALLOWED FOR PIPE SIZES GREATER THAN 10" IN DIAMETER.
 - WALL/TREE PROTECTION FENCING TO BE PLACED PRIOR TO START OF CONSTRUCTION. FENCE INSPECTION MUST BE PASSED PRIOR TO START OF CONSTRUCTION.
 - TREE PROTECTION FENCING TO BE SIX-FOOT (6') CHAIN LINK OR SIMILAR MATERIAL.
 - NO HEAVY MACHINERY MAY BE USED WITHIN THE DRIP LINES OF ANY TREE.
 - NO STOCKPILING ON ANY MATERIAL FOR ANY PERIOD OF TIME WITHIN THE DRIP LINE OF ANY TREE.
 - NON-LIMESTONE MATERIALS SHALL BE USED WITHIN THE DRIPLINE OF ANY TREE OR ADJACENT TO THE PROPERTY.
 - ALL TREES AND BRUSH REMOVAL SHALL BE DONE BY HAND, AND ALL STUMPS ARE TO BE GROUND OUT, NOT BULLDOZED.

NOTE: AN AS BUILT TOPOGRAPHIC SURVEY (TOPOGRAPHIC SURVEY AFTER ALL CONSTRUCTION GRADING AND LANDSCAPING IS COMPLETED) WILL BE REQUIRED TO VERIFY COMPLIANCE WITH GRADING AND DRAINAGE AND FLOODPLAIN REQUIREMENTS, PRIOR TO FINAL INSPECTION APPROVAL. IF THERE ARE ANY GRADING/DRAINAGE DISPUTES OR DISAGREEMENTS, THE VILLAGE OF WINNETKA RESERVES THE RIGHT TO REQUIRE ADDITIONAL INFORMATION, INCLUDING A NEW STORM SEWER CONNECTION TO THE PUBLIC STORM SEWER, AND/OR ADDITIONAL INLETS OR DRAINAGE SWALES. BOTH THE GEOTECHNICAL AND STRUCTURAL ENGINEERS WILL NEED TO CERTIFY THAT THE RETAINING WALLS AND THE SLOPE ARE AND WILL BE STABLE AND REASONABLY SAFE FROM FAILURE, AS PART OF THE AS-BUILT SUBMITTAL. ALL CERTIFICATIONS MUST BE SIGNED, SEALED AND DATED (DATE OF SIGNATURE AND DATE OF LICENSE EXPIRATION).

WATER AND SEWER CROSSING NOTES:

SEWER AND WATER MAIN SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR SEWER AND WATER MAIN CONSTRUCTION IN ILLINOIS" (SIXTH EDITION), DATED JUNE 2009; AND THE MUNICIPALITY CODES AND ORDINANCES CURRENTLY IN EFFECT.

TRENCH BACKFILL SHALL BE PROVIDED BENEATH AND WITHIN TWO FEET (2') OF ALL EXISTING AND PROPOSED PAVEMENTS. TRENCH BACKFILL SHALL BE SELECT GRANULAR BACKFILL CA-6 AND THOROUGHLY COMPAKED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.

THE FOLLOWING REQUIREMENTS SHALL BE ADHERED TO WHEN THE WATER MAIN SHALL PASS UNDERNEATH THE STORM OR SANITARY SEWER, OR BE PLACED HORIZONTALLY CLOSER THAN TEN FEET (10'):

HORIZONTAL:

A. WATER MAINS MAY BE LOCATED CLOSER THAN TEN (10') FEET TO A SEWER LINE WHEN:

- LOCAL CONDITIONS PREVENT A LATERAL SEPARATION OF TEN (10') FEET; AND
- THE WATER MAIN INVERT IS AT LEAST EIGHTEEN (18") INCHES ABOVE THE CROWN OF THE SEWER; AND
- THE WATER MAIN IS EITHER IN A SEPARATE TRENCH OR IN THE SAME TRENCH ON AN UNDISTURBED EARTH SHELF LOCATED TO ONE SIDE OF THE SEWER.

B. WHEN IT IS IMPOSSIBLE TO MEET THE ABOVE REQUIREMENT, BOTH THE WATER MAIN AND DRAIN OR SEWER SHALL BE CONSTRUCTED OF SLIP-ON OR MECHANICAL JOINT CAST OR DUCTILE IRON PIPE, OR PVC PIPE EQUIVALENT TO WATER MAIN STANDARDS OF CONSTRUCTION. THE DRAIN OR SEWER SHALL BE PRESSURE TESTED TO THE MAXIMUM EXPECTED SURCHARGE HEAD BEFORE BACKFILLING.

VERTICAL:

A. WATER MAIN SHALL BE SEPARATED FROM A SEWER SO THAT ITS INVERT IS A MINIMUM OF EIGHTEEN (18) INCHES ABOVE THE INVERT OF THE DRAIN OR SEWER WHENEVER WATER MAINS CROSS STORM SEWERS, SANITARY SEWERS, OR SEWER SERVICE CONNECTIONS. THE VERTICAL SEPARATION SHALL BE MAINTAINED FOR THAT PORTION OF THE WATER MAIN LOCATED WITHIN TEN (10') FEET HORIZONTALLY OF ANY SEWER OR DRAIN CROSSED. A LENGTH OF WATER MAIN PIPE SHALL BE CENTERED OVER THE SEWER OR DRAIN TO BE CROSSED WITH JOINTS EQUIDISTANT FROM THE SEWER OR DRAIN.

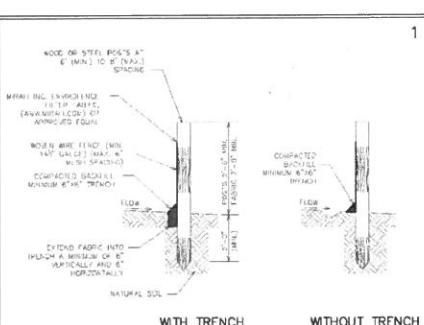
B. BOTH THE WATER MAIN AND SEWER SHALL BE CONSTRUCTED OF SLIP-ON OR MECHANICAL JOINT CAST OR DUCTILE IRON PIPE, OR PVC PIPE EQUIVALENT TO WATER MAIN STANDARDS OF CONSTRUCTION WHEN:

- IT IS IMPOSSIBLE TO OBTAIN THE PROPER VERTICAL SEPARATION AS DESCRIBED IN (A) ABOVE;
- OR

- THE WATER MAIN PASSES UNDER A SEWER OR DRAIN.

C. A VERTICAL SEPARATION OF EIGHTEEN (18) INCHES BETWEEN THE INVERT OF THE SEWER OR DRAIN AND THE CROWN OF THE WATER MAIN SHALL BE MAINTAINED WHERE A WATER MAIN CROSSES UNDER A SEWER. SUPPORT THE SEWER OR DRAIN LINES TO PREVENT SETTING AND BREAKING THE WATER MAIN.

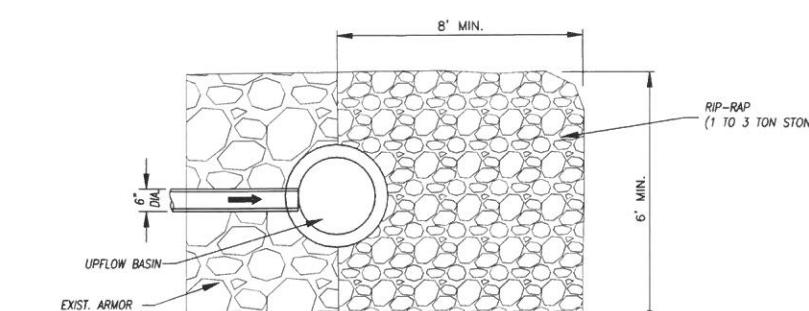
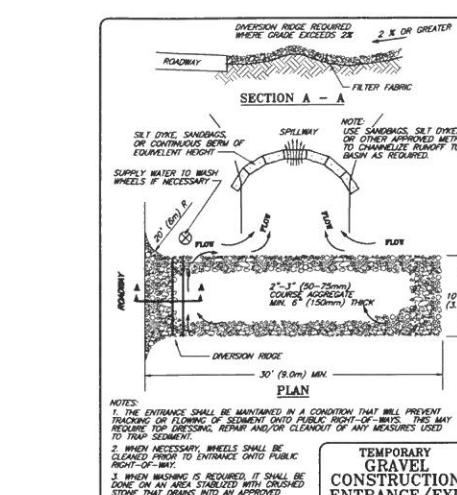
D. CONSTRUCTION SHALL EXTEND ON EACH SIDE OF THE CROSSING UNTIL THE PERPENDICULAR DISTANCE FROM THE WATER MAIN TO THE SEWER OR DRAIN LINE IS AT LEAST TEN (10) FEET.



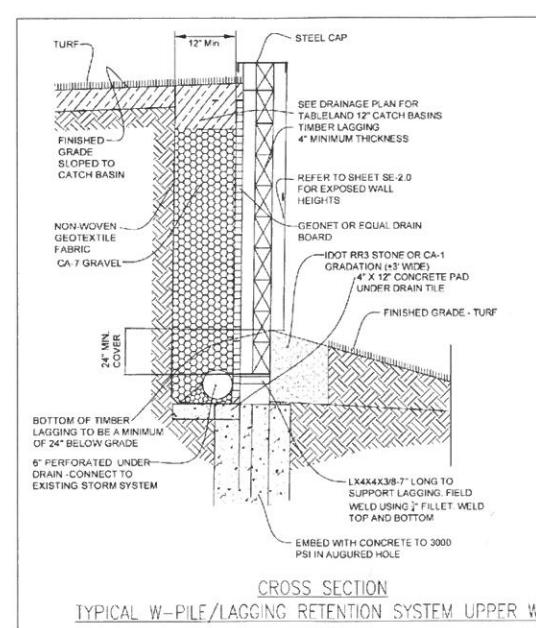
NOTES:

- WITH TRENCH: 1. HUB COVERS SHALL BE PLACED AT THOSE LOCATIONS SHOWN ON THE PLANS, INCLUDING STOCK PIT AREAS AND WHERE INDICATED BY THE VILLAGE ENGINEERING DEPARTMENT. 2. EXCAVATE TO RIM, WEIGH WITH HUB RINGS, TO WOOD POSTS WITH NAILS, AND 10" STEEL POSTS WITH IRON WIRE AT 30' AND 60' SPACING. 3. EXCAVATE TO FLOOR BY 4" AND TOLD AROUND EACH POST ONE FULL TURN WHILE DRAVING POSTS TIGHTLY TOGETHER AND SECURE TOPS OF POSTS BY 1/2" DIA. WITH IRON RINGS. 4. DRIVE POSTS TIGHTLY TOGETHER AND SECURE TOPS OF POSTS BY 1/2" DIA. WITH IRON RINGS. 5. INSPECTION OF ALL FENCES SHALL BE AT LEAST ONCE PER FEET, AND AFTER RAIN EVENTS IN EXCESS OF 1". REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS SIGHTED BY THE ENGINEER. 6. SIGHTED BY THE ENGINEER SHALL BE MURKED AND IMMEDIATELY DISPOSED OF WHENEVER SIGNIFICANT ACCUMULATION OCCURS.
- WITHOUT TRENCH: 1. THE INLET CAN ALSO BE ACCOMPLISHED BY LAVING THE FABRIC FABRIC ON THE TRENCHED OUTSIDE AND PAVING THE SOIL OVER THE FABRIC AT THE BASE OF STRUCTURE.

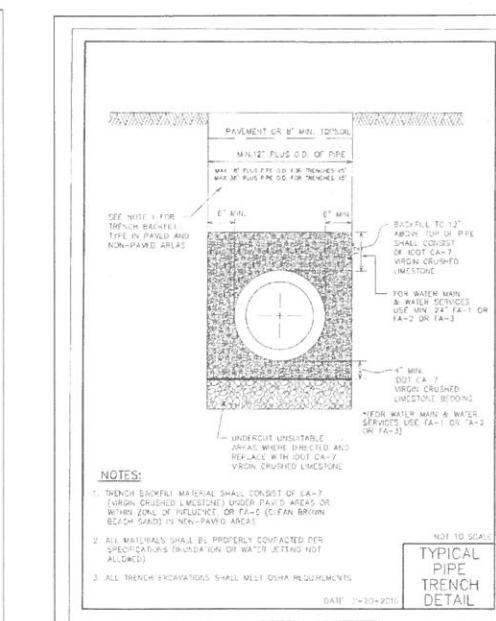
NOT TO SCALE
SILT FENCE
Village of Winnetka
Engineering Department
647-823-7500



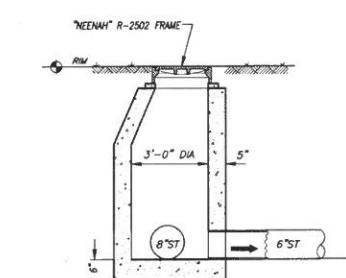
PLAN
RIP - RAP DETAIL @ OUTLET
(N.T.S.)



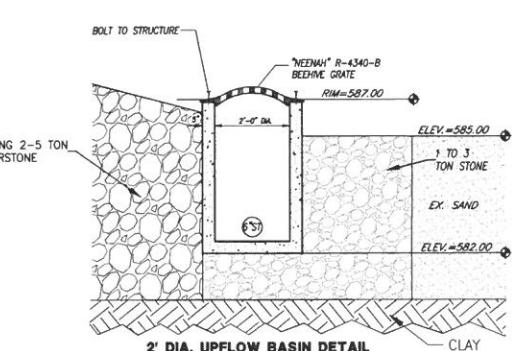
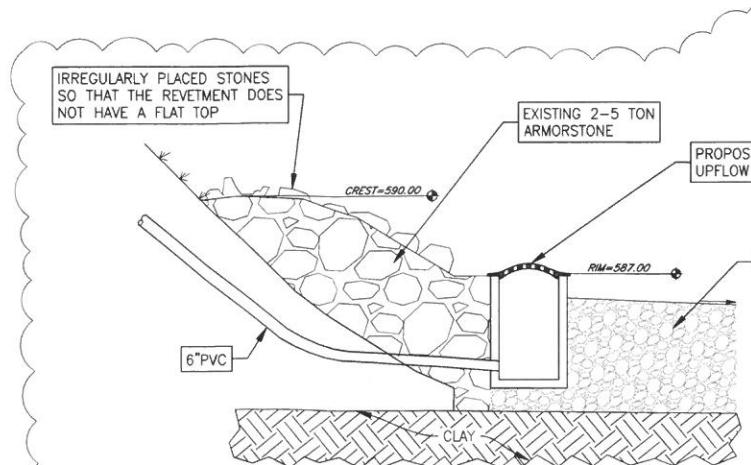
CROSS SECTION
TYPICAL W-PILE/LAGGING RETENTION SYSTEM UPPER WALL
N.T.S.



NOTES:
1. TRENCH BACKFILL MATERIAL SHALL CONSIST OF CA-7 (VIRGIN CRUSHED LIMESTONE) UNDER PAVED AREAS OR WHEN ZONE OF PULVERIZE, OR FA-C (CRUSHED BROWN LIMESTONE) UNDER NON-PAVED AREAS.
2. ALL MATERIALS SHALL BE PROPERLY COMPACTED PER SPECIFICATIONS (NO WASHING OR WATER JETTING NOT ALLOWED).
3. ALL TRENCH EXCAVATIONS SHALL MEET QHQA REQUIREMENTS.
NOT TO SCALE
TYPICAL PIPE TRENCH DETAIL
DATE: 1-10-2011



3' DIA. INLET MANHOLE



2' DIA. UPFLOW BASIN DETAIL
NOT TO SCALE
1055 SHERIDAN ROAD - WINNETKA, ILLINOIS
DETAILS