



AGENDA PACKET
VILLAGE OF LAKE ZURICH
Village Board of Trustees Meeting

January 6, 2025
07:00 pm

VILLAGE OF LAKE ZURICH

VILLAGE BOARD OF TRUSTEES MEETING

JANUARY 6, 2025
07:00 PM
AGENDA

1. CALL TO ORDER

2. ROLL CALL

Mayor Thomas Poynton, Trustee Mary Beth Euker, Trustee Jake Marx, Trustee William Riley, Trustee Marc Spacone, Trustee Roger Sugrue, Trustee Greg Weider.

3. PLEDGE OF ALLEGIANCE

4. PRESIDENT'S REPORT / COMMUNITY UPDATE

- Lake Zurich Green Power Recognition with Environmental Protection Agency

5. PUBLIC COMMENT

This is an opportunity for residents to comment briefly on matters included on the agenda and otherwise of interest to the Board of Trustees. Public Comment is limited to 30 minutes total and up to 5 minutes per speaker.

6. CONSENT AGENDA

These titles will be read by the Village Clerk and approved by a single Roll Call Vote. Any item may be pulled from the Consent Agenda for discussion by any Village Trustee.

A. Approval of Minutes from the Village Board Meeting of December 2, 2024

Attachment: [6a.pdf](#)

B. Approval of Executive Session Minutes from the Village Board Meeting of November 18, 2024

C. Ratification of Semi-Monthly Warrant Register Dated December 16, 2024, Totaling \$1,060,336.21

Attachment: [6c.pdf](#)

D. Approval of Semi-Monthly Warrant Register Dated January 6, 2025, Totaling \$1,323,014.36

Attachment: [6d.pdf](#)

E. Agreement with Wintrust Bank for Municipal Banking Services

Summary: The Village issued a banking services request for proposal (RFP) to enter into a formal banking services contract with a reputable bank. The RFP was sent to several banks with governmental units. Four proposal were received from qualified banks. After a comprehensive review of the proposals, staff requests the Village Board authorize the Village Manager to execute an agreement for banking services with Wintrust Bank.

Attachment: [6e.pdf](#)

7. NEW BUSINESS

This agenda item includes matters coming to the Board of Trustees for discussion and possible action.

A. Ordinance Approving a Planned Unit Development Amendment to the Official Zoning Map, Special Use Permits and Modifications to the Zoning and Land Development Code for Meadow Wood East Residential Subdivision (Assign Ord.#2025-01-600) (Trustee Marx)

Summary: Applicants Mr. Mike Naumowicz and Mr. Kirk Rustman, request approval to amend the Planned Unit Development for the subdivision Meadow Wood East located to the north of Manchester Road. The Subject Property is currently subdivided and zoned for nine single-family homes within the R-4 residential district which provides for 15,000 square-foot lots. The Applicants propose to resubdivide the property to increase the number of lots from 9 to 15 and to rezone within the R-5 single family residential-district to

provide for smaller lot sizes of 10,000 square feet.

At their October 16, 2024 meeting, the Planning and Zoning Commission recommended approval of the PUD amendment and accompanying development concept plan, subject to several conditions. The proposed ordinance includes requirements for improved stormwater management to comply with current standards; additional landscape buffering; a two-year window to complete all site improvements, and a detailed development agreement to accompany the final plat and final plan.

Recommended Action: A motion to approve Ordinance #2025-01-600 Approving a Planned Unit Development Amendment to the Official Zoning Map, Special Use Permits and Modifications to the Zoning and Land Development Code for Meadow Wood East Residential Subdivision.

Attachment: [7a.pdf](#)

B. Courtesy Review for Proposed Mixed-Use Development at the Regal Cinema Property at June Terrace and Rand Road (Trustee Marx)

Summary: MJK Real Estate Holding Company and Continental Properties Company propose a mixed-use development on the 20-acre site at 755 South Rand Road, commonly referred to as the Regal Cinema property.

The proposed development includes 282 rental units ranging in size from studio apartments to three-bedroom units as well as a 4,000 square-foot quick service restaurant with indoor and outdoor seating. The proposal includes a clubhouse with a 24-hour fitness center, a resident lounge and a leasing office. Resident amenities include swimming pool, pet park, 24-hour maintenance and a dedicated on-site team.

Representatives from both firms are offering initial concept plans for Village Board comment at this time as a non-voting item.

Recommended Action: This is a non-voting item at this time. The developer and Village Staff seek to understand the Board's preferences towards the proposed use at this site.

Attachment: [7b.pdf](#)

8. TRUSTEE REPORTS

9. VILLAGE STAFF REPORTS

10. EXECUTIVE SESSION called for the purpose of:

- 5 ILCS 120 / 2 (c)(21) Review of Executive Session Minutes
- 5 ILCS 120 / 2 (c)(2) Collective Bargaining

11. ADJOURNMENT

The next regularly scheduled Village Board meeting is on Tuesday, January 21, 2025.

UNAPPROVED MINUTES
VILLAGE OF LAKE ZURICH
Board of Trustees
70 East Main Street



Monday, December 2, 2024 7:00 p.m.

1. **CALL TO ORDER** by Mayor Thomas M. Poynton at 7.00pm.
2. **ROLL CALL:** Mayor Thomas Poynton, Trustee Mary Beth Euker, Trustee Jake Marx, Trustee Roger Sugrue, Trustee Greg Weider. Trustee William Riley and Trustee Marc Spacone were absent and excused. Also in attendance: Village Manager Ray Keller, Asst. Village Manager Michael Duebner, Village Atty. Scott Uhler, Finance Dir. Amy Sparkowski, Management Services Dir. Kyle Kordell, Fire Chief Dave Pilgard, Police Chief Steve Husak, Dir. Of Community Development Sarosh Saher, Public Works Dir. Mike Brown, Park and Rec. Dir. Bonnie Caputo.
3. **PLEDGE OF ALLEGIENCE**
4. **PRESIDENT'S REPORT / COMMUNITY UPDATE**

Lake Zurich Green Business Award for Alpha Tekniko, 1400 Rose Road. Mayor Poynton presented the award to owner Ted Lazakis.
5. **PUBLIC COMMENT**

Eric Dubiel, 25 N. Pleasant Road addressed the Board on the lack of video streaming of the recent Budget Workshop; transparency; eminent domain; Block A marketing and harassment of residents over permits.
6. **PUBLIC HEARING ON CONSIDERATION OF PROPOSED VILLAGE OF LAKE ZURICH ANNUAL BUDGET FOR FISCAL YEAR 2025**

Summary: This is a public hearing for the proposed annual budget for the Village of Lake Zurich's 2025 fiscal year, which will run January 1 through December 31, 2025. This public hearing was noticed in the *Daily Herald* on November 22, 2024, on the front of the Village website, and in *Benchmarks* and *Facebook*. The proposed 2025 budget totals \$91.2 million to fund a full-service municipality with 167 full-time employees.

The Village enjoys a stable financial position. This FY 2025 budget is presented as a balanced operational plan for the next year with a projected operating surplus of just under \$4,000 for the General Fund. This spending plan strikes a balance between maintaining high-quality municipal services and infrastructure investment.

The 2025 budget plan includes \$55.5 million for municipal operations, including \$10 million for engineering design relating to the Lake Michigan public water supply transition. The 2025 budget also includes another \$20 million for infrastructure investment across all funds, including improvements at Paulus and Breezewald Parks, sports courts, bike paths, enhanced crosswalks, water main replacement and

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lining the sanitary sewer under Buffalo Creek. The FY 2025 road program includes resurfacing Whitney Road and Lake Zurich Drive, as well as a major resurfacing and streetscaping project along Main Street.

A copy of the proposed budget has been available for public review at Village Hall, Ela Area Public Library, and on the Village website since November 5, 2024. All interested persons are invited to attend this public hearing and provide feedback to the Village Board on the proposed budget.

Recommended Action #1: A motion was made by Trustee Marx, seconded by Trustee Sugrue, to open the Public Hearing on the Fiscal Year 2025 Village Budget and receive into the record public comments.

AYES: 4 Trustees Euker, Marx, Sugrue, Weider.

NAYS: 0

ABSENT: 2 Trustees Riley, Spacone.

MOTION CARRIED VOICE VOTE

Public Hearing opened at 7.18pm

PUBLIC COMMENT

There were none.

Recommended Action #2: A motion was made by Euker, seconded by Trustee Marx, to close the Public Hearing on the Fiscal Year 2025 Village Budget.

AYES: 4 Trustees Euker, Marx, Sugrue, Weider.

NAYS: 0

ABSENT: 2 Trustees Riley, Spacone.

MOTION CARRIED VOICE VOTE

Public Hearing closed at 7.19pm.

7. CONSENT AGENDA

- A. Approval of Minutes from the Village Board Meeting of November 18, 2024
- B. Approval of Executive Session Minutes from the Village Board Meeting of October 21, 2024.
- C. Approval of Semi-Monthly Warrant Register Dated December 2, 2024, Totaling \$931,346.24
- D. Annual Village of Lake Zurich Meeting Schedule for 2025
 Summary: Each year the Village Board approves the annual schedule of meetings for the following calendar year. Upon approval, the schedule for Lake Zurich public bodies and advisory commissions will be published accordingly to fulfil the State of Illinois Open Meetings Act requirements.
- E. Ordinance Granting a Variation to Allow for the Construction of a Porch Within the Front Yard and a 2-Car Garage Within the Side Yard at 36 Park Avenue ORD. #2024-12-595
 Summary: Mr. Richard Balnius, the owner and applicant, has filed a zoning application for the property at 36 Park Avenue requesting a variation to allow a covered porch that will encroach within the required 25-foot front yard setback and an attached garage that will encroach into the required 5.25-foot side yard setback requirement under the current R-5 Zoning.
- F. Ordinance Amending Title 8 of the Lake Zurich Municipal Code Entitled Lake Zurich Building Code and Adopting Various Amendments Revisions and Changes to Certain Chapters of the Code ORD. #2024-12-596

Summary: The Capital Development Board Act requires that as of January 1, 2025, all Illinois municipalities adopt new baseline codes. The proposed updates to building regulations will allow the Village to remain current with industry standards and best practices. Staff recommend adopting the 2018 baseline building codes and local amendments to stay consistent with those adopted and enforced by Lake County, since they provide the Village with plan review and inspection services.

G. Affiliate Agreements Between the Village of Lake Zurich and Ela Soccer, Flames Football Organization and Lake Zurich Baseball & Softball Association through December 31, 2027

Summary: Ela Soccer, the Lake Zurich Flames football organization and the Lake Zurich Baseball and Softball Association requests to renew affiliate agreements with the Village of Lake Zurich to facilitate the use of Village owned properties. The Park and Recreation Advisory Board recommends the acceptance and execution of affiliate agreements with Ela Soccer, Lake Zurich Flames, and Lake Zurich Baseball and Softball Association through December 31, 2027.

H. Affiliate Agreement Between the Village of Lake Zurich and Lake Zurich Youth Rugby through December 31, 2027

Summary: Lake Zurich Youth Rugby requests to establish an affiliate agreement with the Village of Lake Zurich to facilitate the use of Village owned properties. This agreement is consistent with other affiliate agreements to provide instructional and competitive recreation opportunities for youth. The Park and Recreation Advisory Board recommends the acceptance and execution of an Affiliate Agreement with Lake Zurich Youth Rugby through December 31, 2027.

I. Agreement for Auditing Services with Baker Tilly US, LLP for Financial Periods of 2024 through 2028

Summary: The Village is required to have an annual audit of financial statements and has issued a request for proposal (RFP) for auditing firms to provide these services for the next five years. The RFP was sent to seven audit firms with governmental units, with two proposals received. After a review of the proposals, staff recommends the Village enter a five-year engagement with Baker Tilly US, LLP for fiscal years 2024 through 2028.

Village Manager Keller asked that Agenda Item 7D include a change in the schedule from Monday January 20th, 2025 to Tuesday January 21st 2025.

Recommended Action: A motion was made by Trustee Euker, seconded by Trustee Sugrue, to approve the Consent Agenda with an amendment of Agenda Item 7D.

AYES: 4 Trustees Euker, Marx, Sugrue, Weider.

NAYS: 0

ABSENT: 2 Trustees Riley, Spacone.

MOTION CARRIED.

8. NEW BUSINESS

A. Ordinance Adopting the Annual Budget of the Village of Lake Zurich for All Corporate Purposes for the Fiscal Year Commencing January 1, 2025 and Ending December 31, 2025 ORD#2024-12-597

Summary: The proposed Fiscal Year 2025 budget is presented as a balanced operational plan for the next year, totaling \$91.2 million across all funds to provide municipal services and infrastructure investment in the Village of Lake Zurich over the next year. The General Fund, the Village's primary operational fund, is presented as a balanced plan for the next year with a projected operating surplus of just under \$4,000.

The budget authorizes 167 full-time positions and \$55.5 million for municipal operations, including \$10 million for the Lake Michigan public water supply transition. The budget includes a substantial capital program, with over \$20 million for infrastructure investment and equipment replacements in the coming year. The budget reflects the adoption of the half-percent increase to the Non-Home Rules Sales Tax, effective January 1, 2025, which will be dedicated to the Lake Michigan project.

Recommended Action: A motion was made by Trustee Weider, seconded by Trustee Euker, to approve Ordinance #2024-12-597 Adopting the Annual Budget of the Village of Lake Zurich for All Corporate Purposes for the Fiscal Year Commencing January 1, 2025 and ending December 31, 2025.

AYES: 4 Trustees Euker, Marx, Sugrue, Weider.

NAYS: 0

ABSENT: 2 Trustees Riley, Spacone.

MOTION CARRIED.

B. Ordinance Amending Title 13 "Comprehensive Fee Schedule" of the Village of Lake Zurich Municipal Code to Amend Fees Related to the Costs of Municipal Services ORD. #2024-12-598

Summary: In 2018, Title 13 was added to the Lake Zurich Village Code as a Comprehensive Fee Schedule to provide a single convenient location for a list of all fees and fines that have been codified into the Village Code over several decades. The amended schedule will update certain fees and fines for administrative adjudication, business regulation, public health and safety, traffic codes, public ways and property, building regulations, zoning, and land development fees. The new fees will take effect January 1, 2025.

The ordinance also amends Section 7-5-21, reducing the scheduled increases to the water rate for financing the Lake Michigan project. This change reflects the dedication of the non-home rule sales tax increase toward financing the project. The Lake Michigan user rate increase for 2025 is reduced from \$6.00 to \$4.50 per 1000 gallons, with the scheduled increases in 2026-2028 reduced as well.

Management Services Dir. Kordell addressed the Board on simplifying the fee schedule. Trustee Euker thanked Dir. Kordell for making it easier to find the fees.

Recommended Action: A motion was made by Trustee Marx, seconded by Trustee Sugrue, to approve Ordinance #2024-12-598 Amending Title 13 "Comprehensive Fee Schedule" of the Village of Lake Zurich Municipal Code to Amend Fees Related to the Costs of Municipal Services.

AYES: 4 Trustees Euker, Marx, Sugrue, Weider.

NAYS: 0

ABSENT: 2 Trustees Riley, Spacone.

MOTION CARRIED.

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C. Ordinance Amending Section 4-1A-10 of the Lake Zurich Municipal Code Increasing Fees for Ambulance Services ORD. #2024-12-599

Summary: The proposed Ordinance updates the billing rate for the Village's provision of ambulance transport services. The Village last updated its ambulance rate in 2017, which no longer reflects the current cost of providing this service. The provided ordinance updates the ambulance rate to \$2,673 for both residents and non-residents, effective January 1, 2025.

This rate is based on the methodology of the Ground Emergency Medical Transport Program (GEMT), a federal Medicaid program that allows municipalities to receive additional reimbursement for ambulance services. EMS departments across the state are now using the GEMT methodology to set their own rates to more accurately reflect the actual costs of providing this service. The ordinance establishes that future years' ambulance rates will automatically follow the GEMT methodology, which is reviewed and approved annually by the Illinois Department of Healthcare Services.

Village Manager Keller thanked Fire Chief Pilgard and Deputy Chief Kelly for their input in this amendment to ambulance fees.

Recommended Action: A motion was made by Trustee Euker, seconded by Trustee Marx, to approve Ordinance #2024-12-599 amending Section 4-1A-10B of the Lake Zurich Municipal Code, Charges for Ambulance Transportation and Paramedical services.

AYES: 4 Trustees Euker, Marx, Sugrue, Weider.

NAYS: 0

ABSENT: 2 Trustees Riley, Spacone.

MOTION CARRIED.

9. TRUSTEE REPORTS

There were none.

10. VILLAGE STAFF REPORTS

Park and Rec. Dir. Bonnie Caputo stated that Miracle on Main Street is Saturday December 7th 2024 from 3 - 6.30pm with many community groups providing entertainment. Dir. Caputo mentioned the many sponsors of the event. Breezewald Park has a holiday walk and on December 13th there will be a "holiday" train in the park. Letters to Santa can be "posted" at Rotary Park.

11. EXECUTIVE SESSION called for the purpose of:

5 ILCS 120 / 2 (c)(21) review of executive session minutes and 5 ILCS 120 / 2 (c)(11) current litigation.

A motion was made by Trustee Euker, seconded by Trustee Weider, to move to Executive Session for the purpose of 5 ILCS 120 / 2 (c)(21) review of Executive Session minutes and 5 ILCS 120 / 2 (c)(11) current litigation.

There will be no further business in Open Session after the Executive Session.

AYES: 4 Trustees Euker, Marx, Sugrue, Weider.

NAYS: 0

ABSENT: 2 Trustees Riley, Spacone.

MOTION CARRIED.

Meeting adjourned to Executive Session at 7.37pm

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12. ADJOURNMENT

The Executive Session/Open Session adjourned at 7.58pm.

Respectfully submitted:

Kathleen Johnson, Village Clerk.

Approved by:

Mayor Thomas M. Poynton

Date.

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WARRANT REPORT - 12/16/2024
\$1,060,336.21

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<i>Item</i>	<i>GL Number</i>	<i>GL Desc</i>	<i>Invoice Description</i>	<i>Amount</i>
Fund 101 GENERAL				
Dept 00000				
1	101-00000-15001	PREPAID EXPENDITURES	2025 MEMBERSHIPS - FIRE MANAGER	4,292.00
2	101-00000-15001	PREPAID EXPENDITURES	2025 ANNUAL SOFTWARE SUPPORT	1,795.00
3	101-00000-15001	PREPAID EXPENDITURES	ARCGIS LIC RENEWAL 2025	3,705.63
4	101-00000-15001	PREPAID EXPENDITURES	2025 WEB STREAMING	7,495.00
5	101-00000-15001	PREPAID EXPENDITURES	FY25 COMP COSTUMES	270.00
6	101-00000-25201	BUILDING PERMIT DEPOSITS	WILDWOOD ESTATES	6,044.25
7	101-00000-25201	BUILDING PERMIT DEPOSITS	WILDWOOD ESTATES	4,049.00
Total For Dept 00000				27,650.88
Dept 11006 LEGISLATIVE MAYOR & BOARD				
1	101-11006-51652	TRAINING AND MEETINGS	LCML ANNUAL DINNER	60.00
2	101-11006-54302	PUBLIC RELATIONS	GREEN BUSINESS AWARD ALPHA TEKNIKO	100.73
3	101-11006-54303	LEGAL NOTICE/PUBLISHING	BUDGET HEARING AD #2219989	52.90
4	101-11006-54303	LEGAL NOTICE/PUBLISHING	VILLAGE CODE UPDATES	558.00
Total For Dept 11006 LEGISLATIVE MAYOR & BOARD				771.63
Dept 12001 VILLAGE ADMIN ADMINISTRATION				
1	101-12001-52201	VILLAGE ATTORNEY	KTJ LEGAL SERVICES - OCTOBER 2024	5,574.75
2	101-12001-52202	LITIGATION	KTJ LEGAL SERVICES - OCTOBER 2024	1,913.34
3	101-12001-53208	OFFICE SUPPLIES	STAPLER	37.89
Total For Dept 12001 VILLAGE ADMIN ADMINISTRATION				7,525.98
Dept 12180 VILLAGE ADMIN ECONOMIC DEVELOPMENT				
1	101-12180-54308	TAX REBATES	TAX REBATE - AUGUST 2024	14,880.83
2	101-12180-54308	TAX REBATES	TAX REBATE - AUGUST 2024	4,590.39
3	101-12180-54308	TAX REBATES	TAX REBATE - AUGUST 2024	9,180.79
Total For Dept 12180 VILLAGE ADMIN ECONOMIC DEVELOPMENT				28,652.01

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<i>Item</i>	<i>GL Number</i>	<i>GL Desc</i>	<i>Invoice Description</i>	<i>Amount</i>
Dept 13001 FINANCE ADMINISTRATION				
1	101-13001-53208	OFFICE SUPPLIES	PADS, CALCULATOR RIBBON	27.71
2	101-13001-53208	OFFICE SUPPLIES	PAPER, CALCULATOR TAPE, HIGHLIGHTERS	102.26
3	101-13001-54301	BANK & CREDIT CARD FEES	BANK CHARGE ISSUED	25.00
Total For Dept 13001 FINANCE ADMINISTRATION				154.97
Dept 17001 TECHNOLOGY ADMINISTRATION				
1	101-17001-52111	OTHER PROFESSIONAL SVCS	CREATIVE CLOUD - NOV	392.91
2	101-17001-52111	OTHER PROFESSIONAL SVCS	AWS CLOUD SVCS - NOV	15.66
3	101-17001-52111	OTHER PROFESSIONAL SVCS	GOOGLE SERVICE - OCT	43.20
4	101-17001-52111	OTHER PROFESSIONAL SVCS	DOCUWARE SUPPORT - DEC	435.01
5	101-17001-52118	SOFTWARE MAINTENANCE	ARCGIS LIC RENEWAL 2025	110.00
6	101-17001-53203	TELEPHONE & DATA SVCS	COMBINED INTERNET - NOV/DEC 2024	5,707.79
7	101-17001-53203	TELEPHONE & DATA SVCS	BARN ELEVATOR PHONE	73.52
8	101-17001-53203	TELEPHONE & DATA SVCS	ANALOG LINES - DEC	1,332.63
9	101-17001-53407	EQUIP MAINT PART&SUPPLIE	USB CABLE, BATTERIES	50.40
10	101-17001-55255	COMPUTER SOFTWARE	ARCGIS LIC RENEWAL 2025	226.88
11	101-17001-56601	CAPITAL LEASE	FIRE & PD - COPIER LEASE	164.73
Total For Dept 17001 TECHNOLOGY ADMINISTRATION				8,552.73
Dept 24001 POLICE ADMINISTRATION				
1	101-24001-51655	EMPLOYEE RECOGNITION	BUTLER PLAQUE	70.00
2	101-24001-52111	OTHER PROFESSIONAL SVCS	RED LIGHT CAMERA FEE	9,840.00
3	101-24001-53204	MOBILE VOICE & DATA	CELL PHONES - PD OCT 2024	653.48
4	101-24001-53208	OFFICE SUPPLIES	OFFICE PAPER	335.92
5	101-24001-53401	CUSTODIAL SUPPLIES	PAPER CUPS, SOAP	208.79
Total For Dept 24001 POLICE ADMINISTRATION				11,108.19
Dept 24210 POLICE OPERATIONS				
1	101-24210-51652	TRAINING AND MEETINGS	TRAINING - BUTLER/STRUGA	800.00

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<i>Item</i>	<i>GL Number</i>	<i>GL Desc</i>	<i>Invoice Description</i>	<i>Amount</i>
2	101-24210-51652	TRAINING AND MEETINGS	ACADEMY - CORDERO, GENTRY, ROBERTACCIO	14,088.00
3	101-24210-52111	OTHER PROFESSIONAL SVCS	SOLICITOR PERMIT FINGERPRINTS A/C #03486	28.25
4	101-24210-52111	OTHER PROFESSIONAL SVCS	STARCOM - NOVEMBER	1,932.00
5	101-24210-52204	OTHER LEGAL	PROSECUTION SERVICES	6,666.67
6	101-24210-52204	OTHER LEGAL	ADJUDICATION SERVICES	300.00
7	101-24210-52703	MAINT-VEHICLES	BICYCLE REPAIRS	63.73
8	101-24210-53209	UNIFORMS	VEST - CASCIO	1,586.14
9	101-24210-53209	UNIFORMS	REIMB: CID CLOTHING	248.21
10	101-24210-53209	UNIFORMS	REIMB: HOLSTER - MEDINA	150.15
11	101-24210-53209	UNIFORMS	REIMB: FIREARM	712.50
12	101-24210-53209	UNIFORMS	REIMB: EARPIECE	138.99
13	101-24210-53211	OTHER SUPPLIES	TASER HOLSTERS	166.40
Total For Dept 24210 POLICE OPERATIONS				26,881.04
Dept 24230 POLICE CRIME PREVENTION				
1	101-24230-52111	OTHER PROFESSIONAL SVCS	INVESTIGATIVE SEARCH ENGINE	75.00
2	101-24230-52111	OTHER PROFESSIONAL SVCS	INVESTIGATIVE SEARCH ENGINE	252.20
3	101-24230-53209	UNIFORMS	EMBROIDERY ON JACKET	30.00
4	101-24230-53211	OTHER SUPPLIES	KNIFE BOXES	40.98
Total For Dept 24230 POLICE CRIME PREVENTION				398.18
Dept 25001 FIRE ADMINISTRATION				
1	101-25001-52701	MAINT-BLDGS & GROUNDS	EMERGENCY DOOR REPAIR	250.00
2	101-25001-53203	TELEPHONE & DATA SVCS	COMBINED INTERNET - NOV/DEC 2024	2,853.90
3	101-25001-53203	TELEPHONE & DATA SVCS	ANALOG LINES - DEC 2024	185.57
4	101-25001-53204	MOBILE VOICE & DATA	ICLOUD 50BG STORAGE - DEC 2024	0.99
5	101-25001-53204	MOBILE VOICE & DATA	CELL PHONES - FIRE OCT 2024	186.07
6	101-25001-53204	MOBILE VOICE & DATA	CELL PHONES - FIRE	35.51
7	101-25001-53208	OFFICE SUPPLIES	DESK CALENDAR	5.99
8	101-25001-53209	UNIFORMS	EMBROIDERY - JACKETS, COVERALLS	216.00

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<i>Item</i>	<i>GL Number</i>	<i>GL Desc</i>	<i>Invoice Description</i>	<i>Amount</i>
9	101-25001-53209	UNIFORMS	PANTS, BOOTS, BELT, NAMEPLATE - KEMPF	386.00
10	101-25001-53209	UNIFORMS	DRESS COAT - BARTMANN	152.00
11	101-25001-53209	UNIFORMS	DRESS COAT, SHIRT, PANTS - PORTILLO	248.50
12	101-25001-53209	UNIFORMS	CAP - KEMPF	87.00
13	101-25001-53209	UNIFORMS	TIE, SHIRTS, CAP, DRESS COAT, BELT - ROTSTEIN	452.00
14	101-25001-53211	OTHER SUPPLIES	TOWELS	67.98
15	101-25001-53211	OTHER SUPPLIES	TOWELS, DETERGENT, CLEANER, TISSUE	196.00
16	101-25001-53211	OTHER SUPPLIES	TOWELS, TISSUE	82.97
17	101-25001-53211	OTHER SUPPLIES	TOWELS, DETERGENT, LINERS	311.85
18	101-25001-53211	OTHER SUPPLIES	SOAP, CLEANER	149.75
19	101-25001-53405	BLDG & GROUND MAINT SUPP	FURNACE PADS	81.55
20	101-25001-53405	BLDG & GROUND MAINT SUPP	AIR PLUGS, COUPLER, CABLE TIES, HOSES	68.12
21	101-25001-56601	CAPITAL LEASE	FIRE & PD - COPIER LEASE	164.74
Total For Dept 25001 FIRE ADMINISTRATION				6,182.49
Dept 25320 FIRE FIRE SUPPRESSION				
1	101-25320-52111	OTHER PROFESSIONAL SVCS	FIRE STARCOM FEES - 2024	2,206.00
2	101-25320-53204	MOBILE VOICE & DATA	CELL PHONES - FIRE OCT 2024	254.31
3	101-25320-53210	SMALL TOOLS & EQUIP	TASK FORCE TIPS	4,780.00
4	101-25320-53210	SMALL TOOLS & EQUIP	STIHL CHAINSAWS	1,355.00
5	101-25320-53210	SMALL TOOLS & EQUIP	STIHL CHAINSAWS	1,355.00
6	101-25320-53210	SMALL TOOLS & EQUIP	RETURN STIHL CHAINSAWS	(2,196.00)
7	101-25320-53210	SMALL TOOLS & EQUIP	BATTERY OPERATED GENESIS EXTRICATION EQUIPMENT	25,196.00
8	101-25320-53210	SMALL TOOLS & EQUIP	EQUIPMENT - NOZZLES	7,773.58
9	101-25320-53211	OTHER SUPPLIES	REHAB SUPPLIES	35.48
10	101-25320-53211	OTHER SUPPLIES	REHAB SUPPLIES	36.25
11	101-25320-54305	EMPLOYEE EXAMS	2024 PHYSICALS - FIRE DEPARTMENT	15,797.00
Total For Dept 25320 FIRE FIRE SUPPRESSION				56,592.62

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Dept 25330 FIRE EMS				
1	101-25330-51651	LICENSING/CERTIFICATIONS	SYSTEM ENTRY FEE - BALL, BAUMAN	150.00
2	101-25330-53211	OTHER SUPPLIES	OXYGEN RENTAL	152.50
		Total For Dept 25330 FIRE EMS		302.50
Dept 25340 FIRE SPECIAL RESCUE				
1	101-25340-52704	MAINT-EQUIPMENT	EQUIPMENT MAINTENANCE	482.40
2	101-25340-53211	OTHER SUPPLIES	STUDS, UTILITY HOSE	94.87
3	101-25340-53211	OTHER SUPPLIES	RETURN CANISTER ADAPTERS	(600.00)
		Total For Dept 25340 FIRE SPECIAL RESCUE		(22.73)
Dept 25350 FIRE FIRE PREVENTION BUREAU				
1	101-25350-53204	MOBILE VOICE & DATA	CELL PHONES - FIRE OCT 2024	180.33
		Total For Dept 25350 FIRE FIRE PREVENTION BUREAU		180.33
Dept 28001 COMMUNITY DEVELOPMENT ADMINISTRATION				
1	101-28001-52111	OTHER PROFESSIONAL SVCS	OCTOBER 2024 BUILDING SERVICES	12,912.30
2	101-28001-52111	OTHER PROFESSIONAL SVCS	LZ COMP PLAN UPDATE - LAK23-67	9,862.50
3	101-28001-52113	ENGR/ARCHITECTURAL	KILDEER CROSSING SUBDIVISION	2,494.50
4	101-28001-52113	ENGR/ARCHITECTURAL	425 ENTERPRISE	1,287.00
5	101-28001-52113	ENGR/ARCHITECTURAL	572 W MAIN ST	811.50
6	101-28001-52113	ENGR/ARCHITECTURAL	555 OAKWOOD RD	9,585.00
7	101-28001-52113	ENGR/ARCHITECTURAL	909 S RAND RD	482.50
8	101-28001-52113	ENGR/ARCHITECTURAL	BUILDING PERMIT REVIEWS - 2024	6,213.00
9	101-28001-52113	ENGR/ARCHITECTURAL	880 S RAND RD	1,504.50
10	101-28001-52113	ENGR/ARCHITECTURAL	38 BEECH	128.00
11	101-28001-52113	ENGR/ARCHITECTURAL	1170 SYCAMORE LN	200.50
12	101-28001-52113	ENGR/ARCHITECTURAL	1323 CONRAD	297.00
13	101-28001-52113	ENGR/ARCHITECTURAL	450 N OLD RAND RD	145.00
14	101-28001-52113	ENGR/ARCHITECTURAL	316 FAIRWAY	192.00

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15	101-28001-52113	ENGR/ARCHITECTURAL	442 S RAND RD	1,306.50
16	101-28001-52113	ENGR/ARCHITECTURAL	865 TELSER	2,907.00
17	101-28001-52113	ENGR/ARCHITECTURAL	152 OAK	128.00
18	101-28001-52113	ENGR/ARCHITECTURAL	504 N OLD RAND RD	763.25
19	101-28001-52113	ENGR/ARCHITECTURAL	148 OAK	256.00
20	101-28001-52113	ENGR/ARCHITECTURAL	COMMUNITY DEVELOPMENT ENGINEERING	198.00
21	101-28001-52113	ENGR/ARCHITECTURAL	1265 COUNTRY CLUB	721.00
22	101-28001-52113	ENGR/ARCHITECTURAL	1275 ENSELL	659.50
23	101-28001-52113	ENGR/ARCHITECTURAL	550 ENTERPRISE	297.00
24	101-28001-52113	ENGR/ARCHITECTURAL	629 ROSE RD	1,625.50
25	101-28001-52113	ENGR/ARCHITECTURAL	WILDWOOD ESTATES HOUSELINE	1,000.00
26	101-28001-52604	SWEEPING & MOWING	VIOLATION MOW - NOV	550.00
27	101-28001-53204	MOBILE VOICE & DATA	CELL PHONES - WTR/CS/PW - OCT '24	43.72
Total For Dept 28001 COMMUNITY DEVELOPMENT ADMINISTRATION				56,570.77
Dept 36001 PUBLIC WORKS ADMINISTRATION				
1	101-36001-51654	MEMBERSHIPS & SUBSCRIP	PW MUTUAL AID 2025 DUES	125.00
2	101-36001-52111	OTHER PROFESSIONAL SVCS	UNIFORMS/MATS 11/27	30.81
3	101-36001-52111	OTHER PROFESSIONAL SVCS	UNIFORMS/ MATS 12/05	30.81
4	101-36001-52113	ENGR/ARCHITECTURAL	PW BLDG FEASIBILITY AT 505 TELSER	1,175.00
5	101-36001-52701	MAINT-BLDGS & GROUNDS	UNIFORMS/MATS 11/27	83.35
6	101-36001-52701	MAINT-BLDGS & GROUNDS	UNIFORMS/ MATS 12/05	59.21
7	101-36001-52701	MAINT-BLDGS & GROUNDS	VH PANIC REPAIR	105.58
8	101-36001-52701	MAINT-BLDGS & GROUNDS	PD BACKFLOW REPAIR	1,096.93
9	101-36001-52701	MAINT-BLDGS & GROUNDS	505 CARPET CLEANING	285.00
10	101-36001-52701	MAINT-BLDGS & GROUNDS	FIRE STATION 1 MOLD REMEDIATION	395.00
11	101-36001-52702	MAINT-LAWN & LANDSCAPING	MOWING BID AD #2220575	101.20
12	101-36001-52702	MAINT-LAWN & LANDSCAPING	MOWING BID AD #2224641	105.80
13	101-36001-53203	TELEPHONE & DATA SVCS	LOT 42 LIFT ALARM - OCT	28.29
14	101-36001-53204	MOBILE VOICE & DATA	CELL PHONES - WTR/CS/PW - OCT '24	235.30

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15	101-36001-53204	MOBILE VOICE & DATA	PW TRUCK DATA PLAN	280.00
16	101-36001-53208	OFFICE SUPPLIES	TAPE	16.99
17	101-36001-53208	OFFICE SUPPLIES	RETURN - TAPE	(16.99)
18	101-36001-53209	UNIFORMS	PPE UNIFORMS LS	1,561.45
19	101-36001-53209	UNIFORMS	PPE JACKET - BROWN	109.79
20	101-36001-53209	UNIFORMS	PPE SCHULER	136.78
21	101-36001-53210	SMALL TOOLS & EQUIP	CAS CANS	142.36
22	101-36001-53210	SMALL TOOLS & EQUIP	BITS	27.97
23	101-36001-53210	SMALL TOOLS & EQUIP	SHOVELS	59.94
24	101-36001-53401	CUSTODIAL SUPPLIES	LYSOL	15.28
25	101-36001-53404	RIGHT OF WAY SUPPLIES	STOP SIGN BATTS	45.60
26	101-36001-53404	RIGHT OF WAY SUPPLIES	SIGNS END ROAD	339.15
27	101-36001-53405	BLDG & GROUNDS SUPPLIES	ALARM BATTS	49.94
28	101-36001-53405	BLDG & GROUNDS SUPPLIES	DUCT INSULATION	125.70
29	101-36001-53407	EQUIP MAINT PART&SUPPLIE	BRINE PUMP	1,051.31
30	101-36001-53407	EQUIP MAINT PART&SUPPLIE	LIQUID DEICE PARTS	524.39
		Total For Dept 36001 PUBLIC WORKS ADMINISTRATION		8,326.94
Dept 36420 PUBLIC WORKS PARK MAINTENANCE				
1	101-36420-52701	MAINT-BLDGS & GROUNDS	UNIFORMS/MATS 11/27	77.96
2	101-36420-52702	MAINT-LAWN & LANDSCAPING	LANDSCAPING BID AD #2216151	117.30
3	101-36420-52702	MAINT-LAWN & LANDSCAPING	PAULUS PARK INJECTIONS	1,610.00
4	101-36420-53201	ELECTRICITY	7 E MAIN ST	34.11
5	101-36420-53211	OTHER SUPPLIES	MAIN ST CHRISTMAS TREE	99.98
6	101-36420-53211	OTHER SUPPLIES	ORNAMENT HOOKS, ORNAMENTS, TAPE	73.44
7	101-36420-53211	OTHER SUPPLIES	LED GIFT BOXES	59.98
8	101-36420-53211	OTHER SUPPLIES	CHRISTMAS DECS	28.91
9	101-36420-53405	BLDG & GROUND MAINT SUPP	PVC	30.11
10	101-36420-53405	BLDG & GROUND MAINT SUPP	MOUNTING CLAMP	2.98

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11	101-36420-54306	EQUIPMENT RENTAL	PAULUS PARK PORT-O-POTTY	180.49
		Total For Dept 36420 PUBLIC WORKS PARK MAINTENANCE		2,315.26
	Dept 36471 PUBLIC WORKS FLEET SERVICES			
1	101-36471-52111	OTHER PROFESSIONAL SVCS	UNIFORMS/MATS 11/27	31.02
2	101-36471-52111	OTHER PROFESSIONAL SVCS	UNIFORMS/ MATS 12/05	31.02
3	101-36471-52111	OTHER PROFESSIONAL SVCS	LIFT INSPECTION	325.00
4	101-36471-53206	POSTAGE & SHIPPING	SHIPPING	20.96
5	101-36471-53210	SMALL TOOLS & EQUIP	WIRE STRIPPER	16.99
6	101-36471-53211	OTHER SUPPLIES	HARDWARE	482.37
7	101-36471-53211	OTHER SUPPLIES	HARDWARE	7.00
8	101-36471-53211	OTHER SUPPLIES	TAPE, ALUM FOIL, BUTANE, SILICONE	37.50
9	101-36471-53211	OTHER SUPPLIES	FASTENERS	4.14
10	101-36471-53406	AUTO PARTS & SUPPLIES	LAMP	68.75
11	101-36471-53406	AUTO PARTS & SUPPLIES	WHEEL COVER	101.15
12	101-36471-53406	AUTO PARTS & SUPPLIES	LIGHT	69.82
13	101-36471-53406	AUTO PARTS & SUPPLIES	CREDIT - CORE RETURN	(18.00)
14	101-36471-53406	AUTO PARTS & SUPPLIES	BATTERY	304.78
15	101-36471-53406	AUTO PARTS & SUPPLIES	FILTERS	141.21
16	101-36471-53406	AUTO PARTS & SUPPLIES	CREDIT - PARTS RETURN	(148.39)
17	101-36471-53406	AUTO PARTS & SUPPLIES	TIRES	328.96
18	101-36471-53406	AUTO PARTS & SUPPLIES	STEERING WHEEL	350.81
19	101-36471-53407	EQUIP MAINT PART&SUPPLIE	FILTERS	52.44
20	101-36471-53407	EQUIP MAINT PART&SUPPLIE	BALL JOINT	120.68
21	101-36471-53407	EQUIP MAINT PART&SUPPLIE	HYRAULIC SUPPLIES	1,538.10
22	101-36471-53407	EQUIP MAINT PART&SUPPLIE	HAND LIGHT BATTERY	55.90
23	101-36471-53407	EQUIP MAINT PART&SUPPLIE	HARDWARE	675.00
24	101-36471-53407	EQUIP MAINT PART&SUPPLIE	CREDIT - CORE RETURN	(18.00)
25	101-36471-53407	EQUIP MAINT PART&SUPPLIE	OIL FILTER	5.33
26	101-36471-53407	EQUIP MAINT PART&SUPPLIE	FILTERS	113.38

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27	101-36471-53407	EQUIP MAINT PART&SUPPLIE	BATTERY	158.62
28	101-36471-53407	EQUIP MAINT PART&SUPPLIE	CREDIT - PARTS RETURN	(20.86)
29	101-36471-53407	EQUIP MAINT PART&SUPPLIE	FILTERS	139.35
30	101-36471-53407	EQUIP MAINT PART&SUPPLIE	FILTER	8.80
31	101-36471-53407	EQUIP MAINT PART&SUPPLIE	FILTERS	30.14
32	101-36471-53407	EQUIP MAINT PART&SUPPLIE	FILTER	113.05
33	101-36471-53414	CHEMICALS	DISTILLED WATER	2.54
34	101-36471-53415	FUELS	DIESEL & FUEL #1876404	4,996.65
35	101-36471-53415	FUELS	DIESEL & FUEL #1876403	7,783.12
36	101-36471-53418	LUBRICANTS & FLUIDS	BAR OIL	80.04
37	101-36471-53418	LUBRICANTS & FLUIDS	FILTERS	140.62
38	101-36471-53418	LUBRICANTS & FLUIDS	GEAR OIL	52.45
39	101-36471-53418	LUBRICANTS & FLUIDS	PLOW OIL	140.97
Total For Dept 36471 PUBLIC WORKS FLEET SERVICES				18,323.41
Dept 67945 RECREATION YOUTH PROGRAMS				
1	101-67945-52115	RECREATION PROGRAM SERVICE	FALL TINY CREATORS 4 PARTICIPANTS	350.00
Total For Dept 67945 RECREATION YOUTH PROGRAMS				350.00
Total For Fund 101 GENERAL				260,817.20
Fund 202 MOTOR FUEL TAX				
Dept 36001 PUBLIC WORKS ADMINISTRATION				
1	202-36001-52701	MAINT-BLDGS & GROUNDS	LCDOT SIGNAL MAINT QUENTIN/ENSELL	244.19
2	202-36001-52701	MAINT-BLDGS & GROUNDS	MAIN ST SIGNAL MAINT	208.20
3	202-36001-53201	ELECTRICITY	STREETLIGHT ELECTRIC	148.72
4	202-36001-53201	ELECTRICITY	STREETLIGHT ELECTRIC	368.38
5	202-36001-53201	ELECTRICITY	STREETLIGHT ELECTRIC	1,285.00
6	202-36001-53201	ELECTRICITY	STREETLIGHT ELECTRIC	1,623.93
7	202-36001-53201	ELECTRICITY	STREETLIGHT ELECTRIC	1,220.24

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8	202-36001-53201	ELECTRICITY	STREETLIGHT ELECTRIC	1,726.07
		Total For Dept 36001 PUBLIC WORKS ADMINISTRATION		6,824.73
		Total For Fund 202 MOTOR FUEL TAX		6,824.73
		Fund 207 SPECIAL EVENTS FUND		
		Dept 00000		
1	207-00000-15001	PREPAID EXPENDITURES	FY25 RTB SOUND DEPOSIT	1,500.00
2	207-00000-15001	PREPAID EXPENDITURES	FY25 RTB CONTRACT SERVICE	6,200.00
3	207-00000-25607	SPECIAL EVENTS - VENDOR DEPOSITS	REFUND - FARMERS MARKET DEPOSIT 2024	50.00
4	207-00000-25607	SPECIAL EVENTS - VENDOR DEPOSITS	REFUND - FARMERS MARKET DEPOSIT 2024	50.00
5	207-00000-25607	SPECIAL EVENTS - VENDOR DEPOSITS	REFUND - FARMERS MARKET DEPOSIT 2024	50.00
6	207-00000-25607	SPECIAL EVENTS - VENDOR DEPOSITS	REFUND - FARMERS MARKET DEPOSIT 2024	50.00
7	207-00000-25607	SPECIAL EVENTS - VENDOR DEPOSITS	REFUND - FARMERS MARKET DEPOSIT 2024	50.00
		Total For Dept 00000		7,950.00
		Total For Fund 207 SPECIAL EVENTS FUND		7,950.00
		Fund 214 TIF #2 DOWNTOWN		
		Dept 10490 GENERAL GOVERNMENT TIF		
1	214-10490-55252	BLDG & BLDG IMPROVEMENTS	FACADE IMPROVEMENT PROGRAM - KOFFEE KUP	5,000.00
		Total For Dept 10490 GENERAL GOVERNMENT TIF		5,000.00
		Total For Fund 214 TIF #2 DOWNTOWN		5,000.00
		Fund 401 VILLAGE CAPITAL PROJECTS		
		Dept 36001 PUBLIC WORKS ADMINISTRATION		
1	401-36001-55251	LAND IMPROVEMENTS	WINTER PLANTING MAIN ST/N.O.R.	460.00
2	401-36001-55251	LAND IMPROVEMENTS	IDNR - OSLAD	13,041.29
3	401-36001-55251	LAND IMPROVEMENTS	2024 SEALCOAT	48,784.41

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4	401-36001-55251	LAND IMPROVEMENTS	FENCE INSTALL BREEZEWALD BATHROOMS	10,800.00
		Total For Dept 36001 PUBLIC WORKS ADMINISTRATION		73,085.70
		Dept 36470 PUBLIC WORKS STORM WATER CONTROL		
1	401-36470-55253	INFRASTRUCTURE IMPROVEMT	STORM WATER IMPROVEMENTS	65,732.30
		Total For Dept 36470 PUBLIC WORKS STORM WATER CONTROL		65,732.30
		Total For Fund 401 VILLAGE CAPITAL PROJECTS		138,818.00
		Fund 405 NHR CAPITAL PROJECTS		
		Dept 36001 PUBLIC WORKS ADMINISTRATION		
1	405-36001-53417	SAND & GRAVEL	RIP RAP 6-12	251.10
2	405-36001-53417	SAND & GRAVEL	RIP RAP 6-12	310.00
3	405-36001-55253	INFRASTRUCTURE IMPROVEMT	2024 INFRASTRUCTURE	159,573.49
		Total For Dept 36001 PUBLIC WORKS ADMINISTRATION		160,134.59
		Total For Fund 405 NHR CAPITAL PROJECTS		160,134.59
		Fund 501 WATER & SEWER		
		Dept 00000		
1	501-00000-27104	WATER METER LEASE OBLIG	WATER METER LEASE PAYMENT #26	41,139.38
		Total For Dept 00000		41,139.38
		Dept 36001 PUBLIC WORKS ADMINISTRATION		
1	501-36001-51654	MEMBERSHIPS & SUBSCRIP	PW MUTUAL AID 2025 DUES	125.00
2	501-36001-52111	OTHER PROFESSIONAL SVCS	UNIFORMS/MATS 11/27	29.25
3	501-36001-52111	OTHER PROFESSIONAL SVCS	UNIFORMS/ MATS 12/05	29.25
4	501-36001-52201	VILLAGE ATTORNEY	KTJ LEGAL SERVICES - OCTOBER 2024	603.75
5	501-36001-52704	MAINT-EQUIPMENT	WALL CHARGER FOR INTEROGATOR COMMAND LINK	425.07
6	501-36001-53203	TELEPHONE & DATA SVCS	ANALOG LINES - DEC	168.70

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7	501-36001-53203	TELEPHONE & DATA SVCS	SCADA CELLPHONE/MODEM CONNECTION - NOV	30.80
8	501-36001-53203	TELEPHONE & DATA SVCS	LOT 42 LIFT ALARM - OCT	254.53
9	501-36001-53204	MOBILE VOICE & DATA	CELL PHONES - WTR/CS/PW - OCT '24	129.82
10	501-36001-53208	OFFICE SUPPLIES	PENS, TAPE, DESK PADS, MONITOR STAND	106.17
11	501-36001-53209	UNIFORMS	PPE UNIFORMS LS	1,561.45
12	501-36001-53209	UNIFORMS	WINTER OUTERWEAR - WINDHAUSER	271.77
13	501-36001-53209	UNIFORMS	SAFETY BOOTS-HOLUB	300.00
14	501-36001-53209	UNIFORMS	SAFETY BOOTS-STEFKA	300.00
15	501-36001-53209	UNIFORMS	SAFETY BOOTS-SIKORSKI	300.00
16	501-36001-53209	UNIFORMS	SAFETY BOOTS-WHITE	295.97
17	501-36001-53209	UNIFORMS	SAFETY BOOTS-WIERER	300.00
18	501-36001-53209	UNIFORMS	SAFETY BOOTS-ABBOTT	300.00
19	501-36001-53209	UNIFORMS	SAFETY BOOTS-T. BROWN	300.00
20	501-36001-53209	UNIFORMS	SAFETY BOOTS-WINDHAUSER	300.00
21	501-36001-54305	EMPLOYEE EXAMS	EMPLOYEE EXAMS	180.00
22	501-36001-56603	INTEREST	WATER METER LEASE PAYMENT #26	14,108.20
Total For Dept 36001 PUBLIC WORKS ADMINISTRATION				20,419.73
Dept 36530 PUBLIC WORKS WATER BILLING				
1	501-36530-52111	OTHER PROFESSIONAL SVCS	WATER BILL PROCESSING - NOV 2024	603.85
2	501-36530-53206	POSTAGE & SHIPPING	WATER BILL PROCESSING - NOV 2024	2,794.44
3	501-36530-54301	BANK & CREDIT CARD FEES	BANK CHARGE ISSUED	35.00
Total For Dept 36530 PUBLIC WORKS WATER BILLING				3,433.29
Dept 36550 PUBLIC WORKS WATER SERVICE				
1	501-36550-52113	ENGR/ARCHITECTURAL	LSLR PLAN, INVENTORY	10,470.00
2	501-36550-52113	ENGR/ARCHITECTURAL	LEGAL SERVICES	5,431.25
3	501-36550-52607	WATER SAMPLE ANALYSIS	2024 ROUTINE MONITORING ANALYSIS	479.00
4	501-36550-52701	MAINT-BLDGS & GROUNDS	ASPHALT DRIVEWAY REPLACEMENT/WICKLOW LIFT STATION	2,998.00
5	501-36550-52701	MAINT-BLDGS & GROUNDS	WELL 9 SERVICE CALL/FURNACE REPAIR	167.50

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6	501-36550-52708	MAINT-PUMPS	PHASE 1 SCOPE FOR WELL 9 PUMP REPAIRS	47,950.47
7	501-36550-53210	SMALL TOOLS & EQUIP	HAND TOOLS	297.45
8	501-36550-53210	SMALL TOOLS & EQUIP	PIPE WRENCH	135.94
9	501-36550-53210	SMALL TOOLS & EQUIP	246 PC TOOL SET	167.99
10	501-36550-53211	OTHER SUPPLIES	UPS REPLACEMENT BATTERIES	53.90
11	501-36550-53211	OTHER SUPPLIES	SHORING REPAIR PARTS	353.95
12	501-36550-53211	OTHER SUPPLIES	SHORING REPAIR PARTS	353.95
13	501-36550-53410	METERS PARTS & SUPPLIES	WATER METER (WARRANTY REPLACEMENT)	223.00
14	501-36550-53413	DISTRIBUTION SYS REPAIR	B-BOX PARTS	171.40
15	501-36550-53414	CHEMICALS	BULK WTR COND SALT - WELL #12	3,044.14
16	501-36550-53414	CHEMICALS	BULK WTR COND SALT - WELL #8	2,818.09
17	501-36550-53414	CHEMICALS	BULK WTR COND SALT - WELL #10	2,750.96
18	501-36550-53414	CHEMICALS	WATER TREATMENT CHEMICALS	3,255.00
19	501-36550-53416	CONCRETE & ASPHALT	ASPHALT/EXCAVATION REPAIR OF STREET/198 FOXFIRE	514.05
20	501-36550-55253	INFRASTRUCTURE IMPROVEMT	2024 INFRASTRUCTURE IMPROV - WATER, SEWER, ROADWAY	18,917.00
	501-36550-55253	INFRASTRUCTURE IMPROVEMT	2024 INFRASTRUCTURE	259,173.83
		Total For Dept 36550 PUBLIC WORKS WATER SERVICE		359,726.87
		Dept 36560 PUBLIC WORKS SEWER SERVICE		
1	501-36560-52111	OTHER PROFESSIONAL SVCS	GIS STAFFING SERVICES	9,585.18
2	501-36560-52111	OTHER PROFESSIONAL SVCS	HYDROGEN SULFIDE REDUCTION PRGM QUENTIN/NW PUMP STA	5,306.00
3	501-36560-52111	OTHER PROFESSIONAL SVCS	HYDROGEN SULFIDE REDUCTION PRGM QUENTIN/NW PUMP STA	5,306.00
4	501-36560-53201	ELECTRICITY	ELECTRICITY/SANITARY FLOW CONTROL	55.20
		Total For Dept 36560 PUBLIC WORKS SEWER SERVICE		20,252.38
		Total For Fund 501 WATER & SEWER		444,971.65
		Fund 603 RISK MANAGEMENT		
		Dept 10001 GENERAL GOVERNMENT ADMINISTRATION		

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1	603-10001-52114	LIABILITY INSURANCE CLAIMS	IRMA OCTOBER 2024	10,394.15
		Total For Dept 10001 GENERAL GOVERNMENT ADMINISTRATION		10,394.15
Total For Fund 603 RISK MANAGEMENT				10,394.15
Fund 615 EQUIPMENT REPLACEMENT				
Dept 10001 GENERAL GOVERNMENT ADMINISTRATION				
1	615-10001-55254	MACHINERY & EQUIPMENT	HP ENTERPRISE ARUBA	692.76
2	615-10001-55254	MACHINERY & EQUIPMENT	PRECISION 3680 TOWER CTO AXON VIDEO	4,514.44
		Total For Dept 10001 GENERAL GOVERNMENT ADMINISTRATION		5,207.20
Dept 36001 PUBLIC WORKS ADMINISTRATION				
1	615-36001-55261	VEHICLES - POLICE	TRANSFER KIT NEW SQUAD	438.38
		Total For Dept 36001 PUBLIC WORKS ADMINISTRATION		438.38
Total For Fund 615 EQUIPMENT REPLACEMENT				5,645.58
Fund 710 PERFORMANCE ESCROW				
Dept 00000				
1	710-00000-25201	BUILDING PERMIT DEPOSITS	BOND REF #BBD24-0424 - 250 HIDDEN CREEK	500.00
2	710-00000-25201	BUILDING PERMIT DEPOSITS	BOND REF #BBD24-0414 - 686 TRAILSIDE	500.00
3	710-00000-25201	BUILDING PERMIT DEPOSITS	BOND REF #BBD24-0192 - 28 S SHORE LN	500.00
4	710-00000-25201	BUILDING PERMIT DEPOSITS	BOND REF #BBD24-0303 - 34 E MAIN ST	1,000.00
5	710-00000-25201	BUILDING PERMIT DEPOSITS	BOND REF #BBD24-0186 - 7 HOLLYCOURT TER	305.00
6	710-00000-25201	BUILDING PERMIT DEPOSITS	BOND REF #BBD24-0508 - 940 BRISTOL TRAIL	500.00
7	710-00000-25201	BUILDING PERMIT DEPOSITS	BOND REF #BBD24-0542 - 1624 CORAL REEF	300.00
8	710-00000-25201	BUILDING PERMIT DEPOSITS	BOND REF #BBD24-0165 - 427 PHEASANT RIDG	500.00
9	710-00000-25201	BUILDING PERMIT DEPOSITS	BOND REF #BBD24-0577 - 555 S RAND RD	1,000.00
10	710-00000-25201	BUILDING PERMIT DEPOSITS	BOND REF #BBD24-0518 - 879 INTERLAKEN	500.00
11	710-00000-25201	BUILDING PERMIT DEPOSITS	BOND REF #BBD24-0318 - 243 SANDY POINT	500.00

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12	710-00000-25201	BUILDING PERMIT DEPOSITS	BOND REF #BBD24-0588 - 884 S RAND RD	1,000.00
13	710-00000-25201	BUILDING PERMIT DEPOSITS	BOND REF #BBD24-0516 - 553 CHESTERFIELD	500.00
14	710-00000-25201	BUILDING PERMIT DEPOSITS	BOND REF #BBD24-0299 - 597 REGENCY DR	500.00
15	710-00000-25201	BUILDING PERMIT DEPOSITS	BOND REF #BBD24-0316 - 630 SHALLOW COVE	500.00
16	710-00000-25201	BUILDING PERMIT DEPOSITS	BOND REF #BBD24-0280 - 264 EAST LN	3,600.00
17	710-00000-25201	BUILDING PERMIT DEPOSITS	BOND REF #BBD24-0579 - 598 DUNHILL DR	500.00
18	710-00000-25201	BUILDING PERMIT DEPOSITS	BOND REF #BBD24-0441 - 1080 BRITTANY	500.00
19	710-00000-25201	BUILDING PERMIT DEPOSITS	BOND REF #BBD24-0545 - 1111 HEARTWOOD	500.00
20	710-00000-25201	BUILDING PERMIT DEPOSITS	BOND REF #BBD24-0253 - 997 S RAND RD	500.00
21	710-00000-25201	BUILDING PERMIT DEPOSITS	BOND REF #BBD24-0569 - 606 BRAEMAR	500.00
22	710-00000-25201	BUILDING PERMIT DEPOSITS	BOND REF #BBD24-0428 - 1240 WILLIAM DR	500.00
23	710-00000-25201	BUILDING PERMIT DEPOSITS	BOND REF #BBD24-0473 - 375 STONE AVE	500.00
24	710-00000-25201	BUILDING PERMIT DEPOSITS	BOND REF #BBD24-0533 - 249 S OLD RAND RD	500.00
	710-00000-25502	PEG CABLE FEES	MACBOOK, AC ADAPTER	2,422.00
		Total For Dept 00000		18,627.00
Dept 17001 TECHNOLOGY ADMINISTRATION				
1	710-17001-53214	PEG CABLE EXPENSE	COMBINED INTERNET - NOV/DEC 2024	951.31
2	710-17001-53214	PEG CABLE EXPENSE	MEDIA CREW - DEC 2024	30.00
		Total For Dept 17001 TECHNOLOGY ADMINISTRATION		981.31
Total For Fund 710 PERFORMANCE ESCROW				19,608.31
Fund 720 PAYROLL CLEARING				
Dept 00000				
1	720-00000-22404	SUPPLEMENTAL LIFE INS PAYABLE	GROUP LIFE INSURANCE - DEC	172.00
		Total For Dept 00000		172.00
Total For Fund 720 PAYROLL CLEARING				172.00

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Fund Totals:				
			Fund 101 GENERAL	260,817.20
			Fund 202 MOTOR FUEL TAX	6,824.73
			Fund 207 SPECIAL EVENTS FUND	7,950.00
			Fund 214 TIF #2 DOWNTOWN	5,000.00
			Fund 401 VILLAGE CAPITAL PROJECTS	138,818.00
			Fund 405 NHR CAPITAL PROJECTS	160,134.59
			Fund 501 WATER & SEWER	444,971.65
			Fund 603 RISK MANAGEMENT	10,394.15
			Fund 615 EQUIPMENT REPLACEMENT	5,645.58
			Fund 710 PERFORMANCE ESCROW	19,608.31
			Fund 720 PAYROLL CLEARING	172.00
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Fund 101 GENERAL				
Dept 00000				
1	101-00000-15001	PREPAID EXPENDITURES	FY25 ACA MEMBER DUES	2,098.00
2	101-00000-15001	PREPAID EXPENDITURES	2025 ESO CONF - WOLTMAN	1,998.00
3	101-00000-15001	PREPAID EXPENDITURES	VH ELEVATOR	195.00
4	101-00000-15001	PREPAID EXPENDITURES	2025 MUSIC LICENSE	610.00
5	101-00000-15001	PREPAID EXPENDITURES	ANNUAL TRAINING SOFTWARE - 2025	6,372.00
6	101-00000-15001	PREPAID EXPENDITURES	CREDIT FY25 COMP COSTUMES	(31.45)
7	101-00000-22501	ER - UNDISTRIBUTED LIFE INS	IPBC INSURANCE COVERAGE - DEC 2024	505.51
8	101-00000-25201	BUILDING PERMIT DEPOSITS	WILDWOOD ESTATES	4,405.00
9	101-00000-25201	BUILDING PERMIT DEPOSITS	WILDWOOD ESTATES	8,950.00
10	101-00000-25201	BUILDING PERMIT DEPOSITS	LEGAL NOTICE AD #2235543	71.30
Total For Dept 00000				25,173.36
Dept 10001 GENERAL GOVERNMENT ADMINISTRATION				
1	101-10001-48301	MISCELLANEOUS INCOME	FRAUD	43.96
Total For Dept 10001 GENERAL GOVERNMENT ADMINISTRATION				43.96
Dept 11006 LEGISLATIVE MAYOR & BOARD				
1	101-11006-51652	TRAINING AND MEETINGS	BUDGET WORKSHOP COFFEE	39.98
2	101-11006-51652	TRAINING AND MEETINGS	BUDGET WORKSHOP PASTRIES	71.50
3	101-11006-52111	OTHER PROFESSIONAL SVCS	2024 DOCUMENT SHREDDING	346.38
4	101-11006-54303	LEGAL NOTICE/PUBLISHING	ANNUAL WEB HOSTING 2025	450.00
Total For Dept 11006 LEGISLATIVE MAYOR & BOARD				907.86
Dept 12001 VILLAGE ADMIN ADMINISTRATION				
1	101-12001-52111	OTHER PROFESSIONAL SVCS	COMMERCIAL PROPERTY TAX APPEALS	1,690.02
2	101-12001-52201	VILLAGE ATTORNEY	KTJ LEGAL SERVICES - NOVEMBER 2024	8,627.74
3	101-12001-52202	LITIGATION	KTJ LEGAL SERVICES - NOVEMBER 2024	1,953.95

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4	101-12001-53207	PRINTING-STATIONERY/FORM	2025 GOAL POSTERS	405.00
		Total For Dept 12001 VILLAGE ADMIN ADMINISTRATION		12,676.71
		Dept 12120 VILLAGE ADMIN HUMAN RESOURCES		
1	101-12120-51655	EMPLOYEE RECOGNITION	REIMB: EMPLOYEE BREAKFAST	544.33
		Total For Dept 12120 VILLAGE ADMIN HUMAN RESOURCES		544.33
		Dept 12180 VILLAGE ADMIN ECONOMIC DEVELOPMENT		
1	101-12180-51652	TRAINING AND MEETINGS	BUDGET WORKSHOP - CANDY, CUPS	23.98
		Total For Dept 12180 VILLAGE ADMIN ECONOMIC DEVELOPMENT		23.98
		Dept 13001 FINANCE ADMINISTRATION		
1	101-13001-52704	MAINT-EQUIPMENT	METER LEASE - OCT 29, 24 - JAN 28 '25	173.04
2	101-13001-53208	OFFICE SUPPLIES	BANK BAGS, CALCULATOR RIBBON, CALENDAR	49.31
3	101-13001-53208	OFFICE SUPPLIES	STORAGE BOXES	44.04
		Total For Dept 13001 FINANCE ADMINISTRATION		266.39
		Dept 17001 TECHNOLOGY ADMINISTRATION		
1	101-17001-52111	OTHER PROFESSIONAL SVCS	CREATIVE CLOUD - DEC	392.91
2	101-17001-52111	OTHER PROFESSIONAL SVCS	SHARED USE E-AGREEMENT	300.00
3	101-17001-52111	OTHER PROFESSIONAL SVCS	GOOGLE SERVICE - NOV	43.20
4	101-17001-52111	OTHER PROFESSIONAL SVCS	MS CLOUD SERVICES - NOV	101.01
5	101-17001-52111	OTHER PROFESSIONAL SVCS	LAKEZURICH.ORG - 2 YEAR DOMAIN RENEWAL	84.34
6	101-17001-52118	SOFTWARE MAINTENANCE	UPTIME SERVER UTILITY	148.01
7	101-17001-52704	MAINT-EQUIPMENT	MICROFIBER & SNOWBRUSH	31.98
8	101-17001-53203	TELEPHONE & DATA SVCS	INTERNET - 133 N OLD RAND	142.90
9	101-17001-53203	TELEPHONE & DATA SVCS	COMBINED INTERNET - DEC'24/JAN'25	2,140.43
10	101-17001-53203	TELEPHONE & DATA SVCS	VH ELEVATOR	401.04
11	101-17001-53205	COMPUTER SUPPLIES	TONER	534.00
12	101-17001-53407	EQUIP MAINT PART&SUPPLIE	BATTERIES, USB CABLE	49.98

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13	101-17001-53407	EQUIP MAINT PART&SUPPLIE	BATTERIES, USB CABLE	(49.98)
14	101-17001-53407	EQUIP MAINT PART&SUPPLIE	STORAGE CONTAINERS	31.15
		Total For Dept 17001 TECHNOLOGY ADMINISTRATION		4,350.97
Dept 24001 POLICE ADMINISTRATION				
1	101-24001-51652	TRAINING AND MEETINGS	IACP CONFERENCE - HOTEL	2,002.95
2	101-24001-51652	TRAINING AND MEETINGS	IACP CONFERENCE - PARKING	90.00
3	101-24001-51652	TRAINING AND MEETINGS	SPSC GRADUATION	35.00
4	101-24001-52111	OTHER PROFESSIONAL SVCS	SUBPOENA FEE	10.00
5	101-24001-53203	TELEPHONE & DATA SVCS	CABLE - PD	63.00
6	101-24001-53203	TELEPHONE & DATA SVCS	CABLE - PD	63.00
7	101-24001-53204	MOBILE VOICE & DATA	CELL PHONES - PD NOV 2024	653.48
8	101-24001-53208	OFFICE SUPPLIES	POST-IT NOTES	5.94
9	101-24001-53208	OFFICE SUPPLIES	BINDER DIVIDERS	16.60
10	101-24001-53208	OFFICE SUPPLIES	LARGE DVR 100 PACK	38.98
11	101-24001-53208	OFFICE SUPPLIES	DESK CALENDARS	129.60
12	101-24001-53208	OFFICE SUPPLIES	RECORDS - LASER LABELS	95.91
13	101-24001-53209	UNIFORMS	LABEL - GRUNDER	7.99
14	101-24001-53209	UNIFORMS	CHIEF - EARPIECE	173.99
15	101-24001-53401	CUSTODIAL SUPPLIES	PAPER TOWELS, TOILET PAPER	280.08
16	101-24001-53407	EQUIP MAINT PART&SUPPLIE	SPACE HEATER	22.99
17	101-24001-54303	LEGAL NOTICE/PUBLISHING	JOB ADVERTISEMENT	397.00
		Total For Dept 24001 POLICE ADMINISTRATION		4,086.51
Dept 24210 POLICE OPERATIONS				
1	101-24210-51654	MEMBERSHIPS & SUBSCRIP	REIMB: MCAT HOT CHOCOLATE	42.55
2	101-24210-52204	OTHER LEGAL	PROSECUTION SERVICES - DECEMBER	6,666.67
3	101-24210-53209	UNIFORMS	EXPLORERS INSIGNIA	29.59
4	101-24210-53209	UNIFORMS	PANTS - JOHNSON	178.97

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5	101-24210-53209	UNIFORMS	VESTS - GENTRY, CORDERO, ROBERTACCIO	4,637.54
6	101-24210-54305	EMPLOYEE EXAMS	POLYGRAPH SERVICES	210.00
		Total For Dept 24210 POLICE OPERATIONS		11,765.32
		Dept 24230 POLICE CRIME PREVENTION		
1	101-24230-51654	MEMBERSHIPS & SUBSCRIP	REIMB: NASRO MEMBERSHIP	50.00
2	101-24230-52111	OTHER PROFESSIONAL SVCS	CREDIT CHECKS	185.16
3	101-24230-53211	OTHER SUPPLIES	CID - EXTERNAL HARD DRIVE	78.00
4	101-24230-53211	OTHER SUPPLIES	EVIDENCE ENVELOPES	40.70
5	101-24230-53211	OTHER SUPPLIES	TRUNK OR TREAT EVENT KIT	9.70
6	101-24230-53211	OTHER SUPPLIES	TRUNK OR TREAT EVENT CANDY	62.04
		Total For Dept 24230 POLICE CRIME PREVENTION		425.60
		Dept 24240 POLICE INTERGOVERNMENTAL		
1	101-24240-53209	UNIFORMS	VEST - LONSKI	1,538.64
		Total For Dept 24240 POLICE INTERGOVERNMENTAL		1,538.64
		Dept 25001 FIRE ADMINISTRATION		
1	101-25001-51655	EMPLOYEE RECOGNITION	NEW HIRE - CAKE	55.98
2	101-25001-52118	SOFTWARE MAINTENANCE	ANNUAL RENEWAL	567.00
3	101-25001-52203	LABOR ATTORNEY	LEGAL SERVICES - NOV	7,449.70
4	101-25001-52707	MAINT-OTHER	FITNESS MAINTENANCE	290.00
5	101-25001-52707	MAINT-OTHER	FIRE EXTIGUISHER INSPECTION/REPAIR	89.27
6	101-25001-53203	TELEPHONE & DATA SVCS	COMBINED INTERNET - DEC'24/JAN'25	2,140.42
7	101-25001-53204	MOBILE VOICE & DATA	CELL PHONES - FIRE NOV 2024	186.07
8	101-25001-53208	OFFICE SUPPLIES	PAPER CLIPS, BUBBLE MAILERS	18.83
9	101-25001-53209	UNIFORMS	COAT - BARTMANN	239.00
10	101-25001-53209	UNIFORMS	SHIRT - HAUTZINGER	42.50
11	101-25001-53209	UNIFORMS	COAT - DEBOER	254.00
12	101-25001-53209	UNIFORMS	SHOES - HAUTZINGER	87.00

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13	101-25001-53209	UNIFORMS	PANTS - HENRIKSEN	237.00
14	101-25001-53209	UNIFORMS	COAT - ST JOHN	239.00
15	101-25001-53210	SMALL TOOLS & EQUIP	CABLE TIES	19.19
16	101-25001-53210	SMALL TOOLS & EQUIP	HOOK AND PICK SET, BRUSH	22.48
17	101-25001-53211	OTHER SUPPLIES	TOWELS	117.97
18	101-25001-53211	OTHER SUPPLIES	SOAP, TOWELS, FOIL	119.73
19	101-25001-53211	OTHER SUPPLIES	TISSUE, DETERGENT, SPONGE	75.02
20	101-25001-53405	BLDG & GROUND MAINT SUPP	KEY SCHLAGE	7.63
21	101-25001-54305	EMPLOYEE EXAMS	POLYGRAPH EXAMS	840.00
22	101-25001-54305	EMPLOYEE EXAMS	EMPLOYEE SCREENING EXAMS	1,520.00
Total For Dept 25001 FIRE ADMINISTRATION				14,617.79
Dept 25310 FIRE EMERGENCY MANAGEMENT				
1	101-25310-51654	MEMBERSHIPS & SUBSCRIP	MEMBERSHIP DUES - CHRISTOPHERSON	65.00
2	101-25310-53211	OTHER SUPPLIES	GAS METER	557.00
3	101-25310-53211	OTHER SUPPLIES	OMRON BP MONITOR, CHEST SEALS, SPLINTS	299.28
4	101-25310-53211	OTHER SUPPLIES	FIRE EXTINGUISER	99.00
Total For Dept 25310 FIRE EMERGENCY MANAGEMENT				1,020.28
Dept 25320 FIRE FIRE SUPPRESSION				
1	101-25320-51652	TRAINING AND MEETINGS	HOTEL REFUND - GLASDER	(120.91)
2	101-25320-51652	TRAINING AND MEETINGS	ADVANCED ASIM HOTEL - KAMMIN	369.60
3	101-25320-51652	TRAINING AND MEETINGS	STRENGTH & CONDITIONING SESSIONS - DEC	100.00
4	101-25320-51652	TRAINING AND MEETINGS	STRENGTH & CONDITIONING SESSIONS - NOV	500.00
5	101-25320-52704	MAINT-EQUIPMENT	LION STAY SAFE 7 YEAR	3,318.00
6	101-25320-53204	MOBILE VOICE & DATA	CELL PHONES - FIRE NOV 2024	254.31
7	101-25320-53209	UNIFORMS	SRT BOOTS	1,877.13
8	101-25320-53209	UNIFORMS	BOOTS	3,100.00
9	101-25320-53209	UNIFORMS	BOOTS	449.00
10	101-25320-53209	UNIFORMS	BOOTS	410.00

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11	101-25320-53209	UNIFORMS	BOOTS	742.99
12	101-25320-53209	UNIFORMS	GLOVES	880.00
13	101-25320-53209	UNIFORMS	2 SETS LION TURNOUT GEAR	14,242.00
14	101-25320-53210	SMALL TOOLS & EQUIP	ELKHART BRASS RAM	3,863.19
15	101-25320-53211	OTHER SUPPLIES	DUAL UNIT CONTROL W/STRAP	709.00
16	101-25320-53211	OTHER SUPPLIES	PAINT FOR ROOF PROP	65.94
17	101-25320-53211	OTHER SUPPLIES	EXTENED SCENE - SANDWICHES	291.28
18	101-25320-53211	OTHER SUPPLIES	REHAB SUPPLIES	12.99
19	101-25320-53211	OTHER SUPPLIES	REHAB SUPPLIES	68.28
20	101-25320-53211	OTHER SUPPLIES	SCBA TRAINING PROPS	207.40
21	101-25320-53407	EQUIP MAINT PART&SUPPLIE	SCBA BATTERIES	191.67
22	101-25320-53407	EQUIP MAINT PART&SUPPLIE	SCBA SPECTABLE KITS	223.22
23	101-25320-53407	EQUIP MAINT PART&SUPPLIE	SCBA PARTS AND SUPPLIES	3,268.13
24	101-25320-55254	MACHINERY & EQUIPMENT	28 FT DUO-SAFETY LADDER	1,500.00
25	101-25320-55254	MACHINERY & EQUIPMENT	HOSE REPLACEMENT	347.31
26	101-25320-55254	MACHINERY & EQUIPMENT	REPLACEMENT HOSE DAMAGE	140.98
27	101-25320-55254	MACHINERY & EQUIPMENT	REPLACEMENT HOSE/NOZZLE	178.05
		Total For Dept 25320 FIRE FIRE SUPPRESSION		37,189.56
Dept 25330 FIRE EMS				
1	101-25330-52111	OTHER PROFESSIONAL SVCS	AMBULANCE FEES - OCT 2024	3,457.54
2	101-25330-52111	OTHER PROFESSIONAL SVCS	AMBULANCE FEES - NOV 2024	3,337.63
3	101-25330-53204	MOBILE VOICE & DATA	CELL PHONE - NOV	64.63
4	101-25330-53204	MOBILE VOICE & DATA	CELL PHONE - NOV	66.81
5	101-25330-53211	OTHER SUPPLIES	RING CUTTERS, HI LO SOLUTION, PENLIGHTS	153.30
6	101-25330-53211	OTHER SUPPLIES	CELOX DRESSING	221.40
7	101-25330-53211	OTHER SUPPLIES	OXYGEN RENTAL	70.87
		Total For Dept 25330 FIRE EMS		7,372.18

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Dept 25340 FIRE SPECIAL RESCUE				
1	101-25340-51652	TRAINING AND MEETINGS	PER DIEM - STRUCTURAL COLLAPSE	235.25
2	101-25340-51652	TRAINING AND MEETINGS	LDDM CONF HOTEL - HALL	634.55
3	101-25340-51652	TRAINING AND MEETINGS	PER DIEM: ADVANCED ASIM CONFERENCE	143.50
4	101-25340-53211	OTHER SUPPLIES	METER REPLACEMENT	5,167.42
Total For Dept 25340 FIRE SPECIAL RESCUE				6,180.72
Dept 25350 FIRE FIRE PREVENTION BUREAU				
1	101-25350-53204	MOBILE VOICE & DATA	CELL PHONES - FIRE NOV 2024	180.33
2	101-25350-53211	OTHER SUPPLIES	PHONE CASE	9.98
3	101-25350-53211	OTHER SUPPLIES	IPAD MATAPEN PENCIL	17.59
4	101-25350-53211	OTHER SUPPLIES	BUSINESS AFTER HRS - CHILI COOKOFF	73.94
Total For Dept 25350 FIRE FIRE PREVENTION BUREAU				281.84
Dept 28001 COMMUNITY DEVELOPMENT ADMINISTRATION				
1	101-28001-51653	BOOKS & PUBLICATIONS	CREDIT FOR TAX	(54.38)
2	101-28001-52111	OTHER PROFESSIONAL SVCS	NOVEMBER 2024 BUILDING SERVICES	11,753.42
3	101-28001-52111	OTHER PROFESSIONAL SVCS	LZ COMP PLAN UPDATE - LAK23-67	4,646.25
4	101-28001-52113	ENGR/ARCHITECTURAL	CANTERBURY ESTATES BLOCK G	108.75
5	101-28001-52113	ENGR/ARCHITECTURAL	1177 SYCAMORE	385.00
6	101-28001-52113	ENGR/ARCHITECTURAL	1170 SYCAMORE LN	385.00
7	101-28001-52113	ENGR/ARCHITECTURAL	410 TELSER RD	693.00
8	101-28001-52113	ENGR/ARCHITECTURAL	880 S RAND RD	3,363.00
9	101-28001-52113	ENGR/ARCHITECTURAL	38 BEECH	995.00
10	101-28001-52113	ENGR/ARCHITECTURAL	450 N OLD RAND RD	789.00
11	101-28001-52113	ENGR/ARCHITECTURAL	COMMUNITY DEVELOPMENT ENGINEERING	994.50
12	101-28001-52113	ENGR/ARCHITECTURAL	287 SUNRISE LN	416.00
13	101-28001-52113	ENGR/ARCHITECTURAL	629 ROSE RD	1,386.75
14	101-28001-52113	ENGR/ARCHITECTURAL	442 S RAND RD	985.75
15	101-28001-52113	ENGR/ARCHITECTURAL	865 TELSER	761.25

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16	101-28001-52113	ENGR/ARCHITECTURAL	41 LAKEVIEW	128.00
17	101-28001-52113	ENGR/ARCHITECTURAL	504 N OLD RAND RD	1,057.25
18	101-28001-52113	ENGR/ARCHITECTURAL	AVERY RIDGE SUBDIVISION	891.00
19	101-28001-52113	ENGR/ARCHITECTURAL	255 QUENTIN RD	432.25
20	101-28001-52113	ENGR/ARCHITECTURAL	BUILDING PERMIT REVIEWS - 2024	5,186.50
21	101-28001-52113	ENGR/ARCHITECTURAL	572 W MAIN ST	297.00
22	101-28001-52113	ENGR/ARCHITECTURAL	1275 ENSELL	758.50
23	101-28001-52113	ENGR/ARCHITECTURAL	550 ENTERPRISE	693.00
24	101-28001-53204	MOBILE VOICE & DATA	CELL PHONES - WTR/CS/PW - NOV '24	43.72
25	101-28001-54303	LEGAL NOTICE/PUBLISHING	LEGAL NOTICE AD #2237126	66.70
Total For Dept 28001 COMMUNITY DEVELOPMENT ADMINISTRATION				37,162.21
Dept 36001 PUBLIC WORKS ADMINISTRATION				
1	101-36001-51652	TRAINING AND MEETINGS	APWA NOV MEETING - 6 TICKETS	235.14
2	101-36001-52111	OTHER PROFESSIONAL SVCS	UNIFORMS/MATS 12/19	30.81
3	101-36001-52111	OTHER PROFESSIONAL SVCS	UNIFORM/MATS 12/12	30.81
4	101-36001-52111	OTHER PROFESSIONAL SVCS	UNIFORMS/MATS 12/27	30.81
5	101-36001-52113	ENGR/ARCHITECTURAL	ADA PUSH PULL SCALE	49.99
6	101-36001-52113	ENGR/ARCHITECTURAL	LICENSE PLATE REVIEW, FINAL TRAFFIC CALMING STUDY	848.00
7	101-36001-52113	ENGR/ARCHITECTURAL	ADA ACCESS AUDITS	177.50
8	101-36001-52603	LAKE/WATER QUALITY MGMT	2024 NAM NON STEWARD	47,461.00
9	101-36001-52603	LAKE/WATER QUALITY MGMT	2024 NATURAL AREA MAINT BURN #1	4,400.00
10	101-36001-52701	MAINT-BLDGS & GROUNDS	FIRE STA #1 PEST CONTROL - DEC	83.00
11	101-36001-52701	MAINT-BLDGS & GROUNDS	VILLAGE HALL PEST CONTROL - DEC	75.00
12	101-36001-52701	MAINT-BLDGS & GROUNDS	UNIFORM/MATS 12/12	83.35
13	101-36001-52701	MAINT-BLDGS & GROUNDS	UNIFORMS/MATS 12/19	59.21
14	101-36001-52701	MAINT-BLDGS & GROUNDS	UNIFORMS/MATS 12/27	59.21
15	101-36001-52701	MAINT-BLDGS & GROUNDS	CLEANING SERVICES - DEC	5,716.85
16	101-36001-52701	MAINT-BLDGS & GROUNDS	REPLACEMENT OF KITCHEN DOOR FD #1	5,240.00
17	101-36001-52701	MAINT-BLDGS & GROUNDS	PD SERVER FREEZE	170.00

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18	101-36001-52701	MAINT-BLDGS & GROUNDS	PD SERVER FREEZE	219.50
19	101-36001-52701	MAINT-BLDGS & GROUNDS	PD SERVER FREEZE	1,251.89
20	101-36001-52701	MAINT-BLDGS & GROUNDS	VH AIR DUCT CLEANING	5,050.00
21	101-36001-52701	MAINT-BLDGS & GROUNDS	PW PEST CONTROL - DEC	49.00
22	101-36001-52701	MAINT-BLDGS & GROUNDS	PD PEST CONTROL - DEC	93.00
23	101-36001-52701	MAINT-BLDGS & GROUNDS	505 CARPET CLEAN	851.70
24	101-36001-53202	NATURAL GAS	505 TELSER RD	162.46
25	101-36001-53203	TELEPHONE & DATA SVCS	LOT 42 LIFT ALARM - NOV	28.28
26	101-36001-53204	MOBILE VOICE & DATA	CELL PHONES - WTR/CS/PW - NOV '24	235.30
27	101-36001-53204	MOBILE VOICE & DATA	PW TRUCK DATA PLAN	280.00
28	101-36001-53204	MOBILE VOICE & DATA	CELL PHONE - NOV	2.80
29	101-36001-53204	MOBILE VOICE & DATA	CELL PHONE - NOV	2.97
30	101-36001-53208	OFFICE SUPPLIES	BANK BAGS	12.00
31	101-36001-53208	OFFICE SUPPLIES	ENVELOPES, STORAGE BOXES	229.64
32	101-36001-53208	OFFICE SUPPLIES	OFFICE CHAIR ROLLERS	119.34
33	101-36001-53209	UNIFORMS	PPE BOOT INSERT	23.98
34	101-36001-53209	UNIFORMS	PPE UNIFORMS WINTER SWEATSHIRTS	1,414.08
35	101-36001-53209	UNIFORMS	PPE HATS	180.00
36	101-36001-53210	SMALL TOOLS & EQUIP	ROUTER BIT	21.19
37	101-36001-53210	SMALL TOOLS & EQUIP	BLOWER	199.50
38	101-36001-53211	OTHER SUPPLIES	CEILING TILES	684.03
39	101-36001-53404	RIGHT OF WAY SUPPLIES	PPE BOOT INSERT	53.25
40	101-36001-53404	RIGHT OF WAY SUPPLIES	MARKING PAINT	306.00
41	101-36001-53404	RIGHT OF WAY SUPPLIES	BANNERS	812.50
42	101-36001-53404	RIGHT OF WAY SUPPLIES	BANNERS	1,495.00
43	101-36001-53405	BLDG & GROUNDS SUPPLIES	SELF TAPPING SCREWS	64.77
44	101-36001-53405	BLDG & GROUNDS SUPPLIES	CONES	22.22
45	101-36001-53405	BLDG & GROUNDS SUPPLIES	DRAIN CLEANER	29.94
46	101-36001-53405	BLDG & GROUNDS SUPPLIES	FILTERS	236.52
47	101-36001-53405	BLDG & GROUNDS SUPPLIES	CABLE TIES, EXTENSION CORD	8.40

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48	101-36001-53405	BLDG & GROUNDS SUPPLIES	505 PAINT FILE ROOM	29.49
49	101-36001-53407	EQUIP MAINT PART&SUPPLIE	LIQUID DEICE PARTS	508.24
50	101-36001-53407	EQUIP MAINT PART&SUPPLIE	BRINE PRODUCE FLOAT	257.63
Total For Dept 36001 PUBLIC WORKS ADMINISTRATION				79,685.30
Dept 36420 PUBLIC WORKS PARK MAINTENANCE				
1	101-36420-52701	MAINT-BLDGS & GROUNDS	BUFFALO CREEK PEST CONTROL - DEC	77.22
2	101-36420-52701	MAINT-BLDGS & GROUNDS	PAULUS PK PEST CONTROL - DEC	80.36
3	101-36420-52701	MAINT-BLDGS & GROUNDS	UNIFORM/MATS 12/12	77.96
4	101-36420-52701	MAINT-BLDGS & GROUNDS	CLEANING SERVICES - DEC	4,837.86
5	101-36420-52701	MAINT-BLDGS & GROUNDS	BARN ADA DOOR REPAIR	930.60
6	101-36420-52701	MAINT-BLDGS & GROUNDS	351 LIFT CABLE	648.78
7	101-36420-53201	ELECTRICITY	972 MARCH ST	23.06
8	101-36420-53201	ELECTRICITY	200 S RAND RD	141.59
9	101-36420-53202	NATURAL GAS	125 N OLD RAND RD	52.03
10	101-36420-53210	SMALL TOOLS & EQUIP	BLOWER	199.50
11	101-36420-53211	OTHER SUPPLIES	CHRISTMAS BULBS	135.88
12	101-36420-53211	OTHER SUPPLIES	RESIDENT PRIZE - TOY, BOOK	24.74
13	101-36420-53211	OTHER SUPPLIES	CONES	155.91
14	101-36420-53211	OTHER SUPPLIES	TIMER	19.98
15	101-36420-53405	BLDG & GROUND MAINT SUPP	HINGES	18.54
16	101-36420-53405	BLDG & GROUND MAINT SUPP	ELECTRIC REPAIRS	135.42
17	101-36420-53405	BLDG & GROUND MAINT SUPP	ELECTRIC REPAIRS	8.52
18	101-36420-53405	BLDG & GROUND MAINT SUPP	TIMER, SCREWS	28.68
19	101-36420-53405	BLDG & GROUND MAINT SUPP	CABLE TIES	26.25
20	101-36420-53405	BLDG & GROUND MAINT SUPP	KEYS	25.42
21	101-36420-53405	BLDG & GROUND MAINT SUPP	HOSE CLAMPS	25.42
22	101-36420-53405	BLDG & GROUND MAINT SUPP	TENT STAKES	10.18
23	101-36420-53405	BLDG & GROUND MAINT SUPP	3 WAY SPLITTER CORD	6.45
24	101-36420-53405	BLDG & GROUND MAINT SUPP	351 GATE MOUNTS	47.96

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25	101-36420-53405	BLDG & GROUND MAINT SUPP	351 GATE ACTUATOR	186.76
		Total For Dept 36420 PUBLIC WORKS PARK MAINTENANCE		7,925.07
		Dept 36471 PUBLIC WORKS FLEET SERVICES		
1	101-36471-52111	OTHER PROFESSIONAL SVCS	UNIFORMS/MATS 12/19	41.75
2	101-36471-52111	OTHER PROFESSIONAL SVCS	UNIFORMS/MATS 12/27	31.02
3	101-36471-52111	OTHER PROFESSIONAL SVCS	UNIFORM/MATS 12/12	31.02
4	101-36471-52111	OTHER PROFESSIONAL SVCS	SAFETY INSPECTIONS	160.00
5	101-36471-52111	OTHER PROFESSIONAL SVCS	SAFETY INSPECTIONS	78.00
6	101-36471-52703	MAINT-VEHICLES	ENGINE REPAIRS 214	843.57
7	101-36471-52703	MAINT-VEHICLES	REPLACEMENT ENGINE	10,511.70
8	101-36471-52703	MAINT-VEHICLES	HEATER CORE 342	1,461.28
9	101-36471-53209	UNIFORMS	BOOT INSOLES	77.08
10	101-36471-53210	SMALL TOOLS & EQUIP	PCM ADAPTOR	19.99
11	101-36471-53210	SMALL TOOLS & EQUIP	TORCH	46.11
12	101-36471-53211	OTHER SUPPLIES	WELDING GAS	244.80
13	101-36471-53211	OTHER SUPPLIES	ANTENNA CONNECTORS	108.02
14	101-36471-53211	OTHER SUPPLIES	STARTER ROPE	14.99
15	101-36471-53211	OTHER SUPPLIES	FASTENERS	2.37
16	101-36471-53406	AUTO PARTS & SUPPLIES	BRAKE PARTS	236.87
17	101-36471-53406	AUTO PARTS & SUPPLIES	SOLENOID VALVE	217.27
18	101-36471-53406	AUTO PARTS & SUPPLIES	SEAT BELT	732.20
19	101-36471-53406	AUTO PARTS & SUPPLIES	HEATER VALVE	153.48
20	101-36471-53406	AUTO PARTS & SUPPLIES	DEF	39.18
21	101-36471-53406	AUTO PARTS & SUPPLIES	CREDIT - CORE RETURN	(25.69)
22	101-36471-53406	AUTO PARTS & SUPPLIES	FILTER	5.33
23	101-36471-53406	AUTO PARTS & SUPPLIES	CREDIT - CORE RETURN	(18.00)
24	101-36471-53406	AUTO PARTS & SUPPLIES	CREDIT - CORE RETURN	(18.00)
25	101-36471-53406	AUTO PARTS & SUPPLIES	BATTERY 120	161.48
26	101-36471-53406	AUTO PARTS & SUPPLIES	REG WALLET	17.96

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27	101-36471-53406	AUTO PARTS & SUPPLIES	BATTERY 121	161.48
28	101-36471-53406	AUTO PARTS & SUPPLIES	PLUGS	82.98
29	101-36471-53406	AUTO PARTS & SUPPLIES	COIL 115	72.93
30	101-36471-53406	AUTO PARTS & SUPPLIES	DEF	139.54
31	101-36471-53406	AUTO PARTS & SUPPLIES	WIPER BLADES	34.47
32	101-36471-53406	AUTO PARTS & SUPPLIES	BATTERIES	304.78
33	101-36471-53406	AUTO PARTS & SUPPLIES	BATTERY	152.39
34	101-36471-53406	AUTO PARTS & SUPPLIES	TIRES 215	990.00
35	101-36471-53406	AUTO PARTS & SUPPLIES	AIR FILTERS	364.68
36	101-36471-53406	AUTO PARTS & SUPPLIES	COUNTER BALANCE	249.63
37	101-36471-53406	AUTO PARTS & SUPPLIES	CONNECTOR	51.80
38	101-36471-53406	AUTO PARTS & SUPPLIES	AIR FITTING	109.80
39	101-36471-53407	EQUIP MAINT PART&SUPPLIE	SPREADER LIGHTS	199.96
40	101-36471-53407	EQUIP MAINT PART&SUPPLIE	BLOWER ATTACHMENT	220.97
41	101-36471-53407	EQUIP MAINT PART&SUPPLIE	SHELF NEW 338	27.42
42	101-36471-53407	EQUIP MAINT PART&SUPPLIE	STARTER ROPE	20.07
43	101-36471-53407	EQUIP MAINT PART&SUPPLIE	SAW CHAINS	155.80
44	101-36471-53407	EQUIP MAINT PART&SUPPLIE	SAW CHAIN	24.20
45	101-36471-53407	EQUIP MAINT PART&SUPPLIE	PLOW PINS	135.63
46	101-36471-53407	EQUIP MAINT PART&SUPPLIE	ADAPTERS	137.84
47	101-36471-53407	EQUIP MAINT PART&SUPPLIE	EYE BOLT	41.04
48	101-36471-53407	EQUIP MAINT PART&SUPPLIE	STRAPS	55.90
49	101-36471-53407	EQUIP MAINT PART&SUPPLIE	COPPER TUBE	7.63
50	101-36471-53407	EQUIP MAINT PART&SUPPLIE	BELT	55.66
51	101-36471-53407	EQUIP MAINT PART&SUPPLIE	FILTERS	179.24
52	101-36471-53407	EQUIP MAINT PART&SUPPLIE	SWIVEL 532	387.49
53	101-36471-53407	EQUIP MAINT PART&SUPPLIE	REVERSE ALARM	52.15
54	101-36471-53415	FUELS	DIESEL & FUEL #1881435	8,212.70
55	101-36471-53415	FUELS	DIESEL & FUEL #1881436	4,678.81
56	101-36471-53418	LUBRICANTS & FLUIDS	DEF	139.90

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57	101-36471-53418	LUBRICANTS & FLUIDS	DEF	139.90
		Total For Dept 36471 PUBLIC WORKS FLEET SERVICES		32,760.57
Dept 67001 RECREATION ADMINISTRATION				
1	101-67001-53204	MOBILE VOICE & DATA	CELL PHONE - NOV	3.87
2	101-67001-53204	MOBILE VOICE & DATA	CELL PHONE - NOV	4.46
3	101-67001-53208	OFFICE SUPPLIES	BANK BAGS	11.99
4	101-67001-53208	OFFICE SUPPLIES	CALENDARS	20.99
		Total For Dept 67001 RECREATION ADMINISTRATION		41.31
Dept 67935 RECREATION DANCE				
1	101-67935-52115	RECREATION PROGRAM SERVICE	LESSON PLANS	75.00
2	101-67935-52115	RECREATION PROGRAM SERVICE	MASTER CLASS	250.00
3	101-67935-53211	OTHER SUPPLIES	PROJECTORS, PAINT, DANCE PROPS, ADAPTERS	1,144.39
4	101-67935-53211	OTHER SUPPLIES	COSTUME RETURN SHIPPING	85.62
5	101-67935-53211	OTHER SUPPLIES	COSTUME RETURN SHIPPING	59.63
6	101-67935-53211	OTHER SUPPLIES	COSTUMES	143.90
7	101-67935-53212	PROGRAM SUPPLIES	JACKETS	597.00
8	101-67935-53213	FUNDRAISING EXPENSES	COSTUME RETURN - PAJAMAS	(71.93)
9	101-67935-53213	FUNDRAISING EXPENSES	COSTUME - GLOVES, FABRIC PAINT, SUNGLASSES	98.91
10	101-67935-53213	FUNDRAISING EXPENSES	COMP PROP - SUNGLASSES	8.99
11	101-67935-53213	FUNDRAISING EXPENSES	COSTUME - PJS, SKIRTS	52.73
12	101-67935-53213	FUNDRAISING EXPENSES	FY25 COMP COSTUMES - PANTS	72.90
13	101-67935-53213	FUNDRAISING EXPENSES	FY25 COMP COSTUMES - LEOTARDS	752.98
14	101-67935-53213	FUNDRAISING EXPENSES	FY25 COMP COSTUMES - PANTS, BOOTS, LEOTARDS	779.22
		Total For Dept 67935 RECREATION DANCE		4,049.34
Dept 67940 RECREATION PRESCHOOL				
1	101-67940-53212	PROGRAM SUPPLIES	PIPE CLEANERS	31.98
2	101-67940-53212	PROGRAM SUPPLIES	PONY BEADS	32.73

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3	101-67940-53212	PROGRAM SUPPLIES	CONSTRUCTION PAPER, POT HOLDERS	68.56
4	101-67940-53212	PROGRAM SUPPLIES	MASKING TAPE, CORKBOARD, PAPER BAGS	74.34
5	101-67940-53212	PROGRAM SUPPLIES	WOODEN ORNAMENTS	13.99
6	101-67940-53212	PROGRAM SUPPLIES	CONSTRUCTION PAPER	34.00
7	101-67940-53212	PROGRAM SUPPLIES	TWINE	5.99
8	101-67940-53212	PROGRAM SUPPLIES	BOOKS	19.99
9	101-67940-53212	PROGRAM SUPPLIES	PUMPKINS	15.91
10	101-67940-53212	PROGRAM SUPPLIES	CURRICULUM	12.30
		Total For Dept 67940 RECREATION PRESCHOOL		309.79
Dept 67945 RECREATION YOUTH PROGRAMS				
1	101-67945-52115	RECREATION PROGRAM SERVICE	PAINTING CLASS - 4 PARTICIPANTS	350.00
		Total For Dept 67945 RECREATION YOUTH PROGRAMS		350.00
Dept 67965 RECREATION ATHLETICS				
1	101-67965-52115	RECREATION PROGRAM SERVICE	PICKLEBALL FALL 2	117.00
2	101-67965-52115	RECREATION PROGRAM SERVICE	JULY-DEC 24 3 PARTICIPANTS	228.00
3	101-67965-52115	RECREATION PROGRAM SERVICE	FALL 2 TRACK AND FIELD	311.50
4	101-67965-52115	RECREATION PROGRAM SERVICE	FALL 2 ICE SKATING	824.25
		Total For Dept 67965 RECREATION ATHLETICS		1,480.75
Dept 67970 RECREATION AQUATICS				
1	101-67970-53211	OTHER SUPPLIES	COSTUME - GLOVES, FABRIC PAINT, SUNGLASSES	48.91
		Total For Dept 67970 RECREATION AQUATICS		48.91
Dept 67975 RECREATION SPECIAL INTERESTS/EVENTS				
1	101-67975-52115	RECREATION PROGRAM SERVICE	FALL PICKLEBALL 3 PARTICIPANTS	476.25
2	101-67975-52115	RECREATION PROGRAM SERVICE	FALL GUITAR & UKULELE LESSONS	536.25
		Total For Dept 67975 RECREATION SPECIAL INTERESTS/EVENTS		1,012.50

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Total For Fund 101 GENERAL				293,291.75
Fund 202 MOTOR FUEL TAX				
Dept 36001 PUBLIC WORKS ADMINISTRATION				
1	202-36001-52701	MAINT-BLDGS & GROUNDS	TRAFFIC SIGNAL MAINT IDOT - 2024	9,905.49
2	202-36001-53405	BLDG & GROUND MAINT SUPP	ROAD SALT	25,869.52
3	202-36001-53405	BLDG & GROUND MAINT SUPP	ROAD SALT	1,882.73
Total For Dept 36001 PUBLIC WORKS ADMINISTRATION				37,657.74
Total For Fund 202 MOTOR FUEL TAX				37,657.74
Fund 207 SPECIAL EVENTS FUND				
Dept 00000				
1	207-00000-22501	ER - UNDISTRIBUTED LIFE INS	IPBC INSURANCE COVERAGE - DEC 2024	2.90
Total For Dept 00000				2.90
Dept 67601 RECREATION ROCK THE BLOCK				
1	207-67601-53212	PROGRAM SUPPLIES	MOM '24 LIGHTS	5.38
2	207-67601-53212	PROGRAM SUPPLIES	MOM -24 ORNAMENTS	404.77
Total For Dept 67601 RECREATION ROCK THE BLOCK				410.15
Dept 67605 RECREATION WINTER FESTIVAL				
1	207-67605-53212	PROGRAM SUPPLIES	ROUTE ORNAMENTS	51.96
2	207-67605-53212	PROGRAM SUPPLIES	CONSTRUCTION PAPER, POT HOLDERS	(35.99)
3	207-67605-53212	PROGRAM SUPPLIES	TWINE	35.99
4	207-67605-53212	PROGRAM SUPPLIES	MOM ADULT BEVERAGES	557.30
5	207-67605-53212	PROGRAM SUPPLIES	GLOGG FOR MOM 2024	488.00

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6	207-67605-53212	PROGRAM SUPPLIES	PORTA POTTIE LIGHTS	47.06
		Total For Dept 67605 RECREATION WINTER FESTIVAL		1,144.32
Total For Fund 207 SPECIAL EVENTS FUND				1,557.37
Fund 227 DISPATCH CENTER				
Dept 00000				
1	227-00000-22501	ER - UNDISTRIBUTED LIFE INS	IPBC INSURANCE COVERAGE - DEC 2024	51.79
		Total For Dept 00000		51.79
Dept 24220 POLICE DISPATCH				
1	227-24220-53209	UNIFORMS	SHIRT - PARADES	69.39
2	227-24220-53210	SMALL TOOLS & EQUIP	LARGE DVR 100 PACK	119.00
		Total For Dept 24220 POLICE DISPATCH		188.39
Total For Fund 227 DISPATCH CENTER				240.18
Fund 401 VILLAGE CAPITAL PROJECTS				
Dept 36001 PUBLIC WORKS ADMINISTRATION				
1	401-36001-55251	LAND IMPROVEMENTS	HEAT SENSORS	492.23
2	401-36001-55251	LAND IMPROVEMENTS	TAMPERPROOF SCREWS	19.81
3	401-36001-55251	LAND IMPROVEMENTS	PROMENADE BOARDWALK	992.16
4	401-36001-55252	BLDG & BLDG IMPROVEMENTS	GUN RANGE VENTILATION SYSTEM	145,000.00
		Total For Dept 36001 PUBLIC WORKS ADMINISTRATION		146,504.20
Total For Fund 401 VILLAGE CAPITAL PROJECTS				146,504.20
Fund 405 NHR CAPITAL PROJECTS				
Dept 36001 PUBLIC WORKS ADMINISTRATION				
1	405-36001-53405	BLDG & GROUND MAINT SUPP	BEET HEET	8,732.50

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2	405-36001-53416	CONCRETE & ASPHALT	BLACKTOP #57633	541.31
		Total For Dept 36001 PUBLIC WORKS ADMINISTRATION		9,273.81
Total For Fund 405 NHR CAPITAL PROJECTS				9,273.81
Fund 501 WATER & SEWER				
Dept 00000				
1	501-00000-21204	LC CONNECTION FEES PAYABLE	LC CONNECTION FEE - 1135 HONEY LAKE RD	4,030.00
2	501-00000-21204	LC CONNECTION FEES PAYABLE	LC CONNECTION FEE - 1131 HONEY LAKE RD	4,030.00
3	501-00000-21204	LC CONNECTION FEES PAYABLE	LC CONNECTION FEE - 62 MILLER RD	4,030.00
4	501-00000-21206	WATER BILLING REFUNDS	UB REF - A/C# 006754-02 FINAL	1,129.61
5	501-00000-22501	ER - UNDISTRIBUTED LIFE INS	IPBC INSURANCE COVERAGE - DEC 2024	55.99
6	501-00000-27102	IEPA LOAN PAYABLE	2008 IEPA LOAN PRINCIPAL AND INTEREST	61,342.44
		Total For Dept 00000		74,618.04
Dept 36001 PUBLIC WORKS ADMINISTRATION				
1	501-36001-52111	OTHER PROFESSIONAL SVCS	UNIFORMS/MATS 12/19	29.25
2	501-36001-52111	OTHER PROFESSIONAL SVCS	UNIFORMS/MATS 12/27	29.25
3	501-36001-52111	OTHER PROFESSIONAL SVCS	UNIFORM/MATS 12/12	29.25
4	501-36001-52201	VILLAGE ATTORNEY	KTJ LEGAL SERVICES - NOVEMBER 2024	603.75
5	501-36001-53203	TELEPHONE & DATA SVCS	ANALOG LINES - TERMINATION FEE	588.28
6	501-36001-53203	TELEPHONE & DATA SVCS	LOT 42 LIFT ALARM - NOV	254.50
7	501-36001-53204	MOBILE VOICE & DATA	CELL PHONES - WTR/CS/PW - NOV '24	129.82
8	501-36001-53209	UNIFORMS	PPE UNIFORMS WINTER SWEATSHIRTS	1,414.08
9	501-36001-53209	UNIFORMS	PPE HATS	180.00
10	501-36001-53209	UNIFORMS	SAFETY WORK BOOTS-REUSCH	300.00
11	501-36001-53209	UNIFORMS	SAFETY BOOTS/FITCH	300.00
12	501-36001-56603	INTEREST	2008 IEPA LOAN PRINCIPAL AND INTEREST	3,764.86
		Total For Dept 36001 PUBLIC WORKS ADMINISTRATION		7,623.04

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<i>Item</i>	<i>GL Number</i>	<i>GL Desc</i>	<i>Invoice Description</i>	<i>Amount</i>
Dept 36550 PUBLIC WORKS WATER SERVICE				
1	501-36550-52113	ENGR/ARCHITECTURAL	LAKE MICHIGAN SUPPLY ROUTE STUDY	25,502.52
2	501-36550-52113	ENGR/ARCHITECTURAL	LAKE ZURICH SUPPLY STUDY ASSESSMENT	1,107.65
3	501-36550-52607	WATER SAMPLE ANALYSIS	2024 ROUTINE MONITORING ANALYSIS	553.00
4	501-36550-52701	MAINT-BLDGS & GROUNDS	WELL 10 FASCIA REPLACEMENT/REPAIR	1,850.00
5	501-36550-52708	MAINT-PUMPS	PHASE 1 SCOPE FOR WELL 9 PUMP REPAIRS	15,046.37
6	501-36550-53201	ELECTRICITY	ELECTRICITY-WELLS/WTP'S, SANITARY PUMP/LIFT STATIONS	30,904.40
7	501-36550-53202	NATURAL GAS	NATURAL GAS - WELL #8	529.81
8	501-36550-53202	NATURAL GAS	NATURAL GAS - WELL #7	425.39
9	501-36550-53202	NATURAL GAS	NATURAL GAS - WELL #9	248.37
10	501-36550-53202	NATURAL GAS	NATURAL GAS - WELL #12	292.01
11	501-36550-53210	SMALL TOOLS & EQUIP	DRUM LIFTER	181.08
12	501-36550-53210	SMALL TOOLS & EQUIP	SPECIALTY HAND TOOL	433.95
13	501-36550-53210	SMALL TOOLS & EQUIP	PACKOUT CRATES, TOOLBOXES, MOUNTING PLATES - SHORING TRAILER	799.76
14	501-36550-53210	SMALL TOOLS & EQUIP	PACKOUT TOOLBOX, PACKOUT ORGANIZERS & POWER FISH TAPE	1,203.08
15	501-36550-53211	OTHER SUPPLIES	HYDRANT REPAIR KIT/1411 ENSELL	482.96
16	501-36550-53211	OTHER SUPPLIES	SHORING SYSTEM REPLACEMENT SCREWS	39.98
17	501-36550-53211	OTHER SUPPLIES	SAMPLE COLLEC SUPPLIES - BLEACH	38.57
18	501-36550-53405	BLDG & GROUND MAINT SUPP	LIQUID SOAP	19.96
19	501-36550-53407	EQUIP MAINT PART&SUPPLIE	PVC FITTINGS/WELL 10 CHLORINE FEED REPAIR	285.00
20	501-36550-53407	EQUIP MAINT PART&SUPPLIE	WELL 9 BRINE MAKE-UP VALVE REPAIR HARDWARE	8.65
21	501-36550-53407	EQUIP MAINT PART&SUPPLIE	PVC PRIMER & CEMENT	10.94
22	501-36550-53409	PUMP REPAIR SUPPLIES	PRESSURE GAUGES	175.93
23	501-36550-53410	METERS PARTS & SUPPLIES	WATER METERS	1,822.00
24	501-36550-53410	METERS PARTS & SUPPLIES	CREDIT - METER	(223.00)
25	501-36550-53414	CHEMICALS	BULK WTR COND SALT - WELL #10	3,056.47
26	501-36550-53414	CHEMICALS	BULK WTR COND SALT - WELL #12	2,897.55
27	501-36550-53417	SAND & GRAVEL	GRADE #9 GRAVEL	3,176.27

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28	501-36550-55253	INFRASTRUCTURE IMPROVEMT	WATEROUS FIRE HYDRANT W/VALVE	5,130.00
29	501-36550-55254	MACHINERY & EQUIPMENT	HYDRANT MARKER FLAGS	1,569.50
Total For Dept 36550 PUBLIC WORKS WATER SERVICE				97,568.17
Dept 36560 PUBLIC WORKS SEWER SERVICE				
1	501-36560-52111	OTHER PROFESSIONAL SVCS	2024 PRETREATMENT ASSISTANCE	375.00
2	501-36560-52111	OTHER PROFESSIONAL SVCS	METROCLOUD DATA MONITORING/LIFT STATIONS	585.00
3	501-36560-52606	SYSTEM(S) INSPECTIONS	ANNUAL TELEVISIONING	67,978.78
4	501-36560-53201	ELECTRICITY	ELECTRICITY/VACUUM PRIMING STRUCTURES	29.50
5	501-36560-53201	ELECTRICITY	ELECTRICITY-WELLS/WTP'S, SANITARY PUMP/LIFT STATIONS	4,804.93
6	501-36560-53414	CHEMICALS	FOG (GREASE) CONTROL BIO BLOCKS	5,794.20
7	501-36560-55254	MACHINERY & EQUIPMENT	REPLACE FAILED FLOW METER/ORCHARD LIFT STATION	4,322.79
Total For Dept 36560 PUBLIC WORKS SEWER SERVICE				83,890.20
Total For Fund 501 WATER & SEWER				263,699.45
Fund 601 MEDICAL INSURANCE				
Dept 10001 GENERAL GOVERNMENT ADMINISTRATION				
1	601-10001-52340	MEDICAL ADMIN FEE	FSA PLAN - DEC	115.72
2	601-10001-52340	MEDICAL ADMIN FEE	FSA YE RUN OUT PROCESSING FEES	208.30
3	601-10001-52340	MEDICAL ADMIN FEE	IPBC INSURANCE COVERAGE - DEC 2024	64.80
4	601-10001-52341	HEALTH INS. FIXED COSTS	IPBC INSURANCE COVERAGE - DEC 2024	264,792.31
Total For Dept 10001 GENERAL GOVERNMENT ADMINISTRATION				265,181.13
Total For Fund 601 MEDICAL INSURANCE				265,181.13
Fund 603 RISK MANAGEMENT				
Dept 00000				

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1	603-00000-22501	ER - UNDISTRIBUTED LIFE INS	IPBC INSURANCE COVERAGE - DEC 2024	1.79
		Total For Dept 00000		1.79
Dept 10001 GENERAL GOVERNMENT ADMINISTRATION				
1	603-10001-52114	LIABILITY INSURANCE CLAIMS	ROOFING REPAIR - PAULUS PARK SHELTER	4,465.00
2	603-10001-52114	LIABILITY INSURANCE CLAIMS	IRMA NOVEMBER 2024	3,386.06
3	603-10001-52114	LIABILITY INSURANCE CLAIMS	WIND DAMAGE - REINSTALL GATE PAULUS PARK	1,800.00
4	603-10001-52114	LIABILITY INSURANCE CLAIMS	PAULUS PARK STORN DAMAGE - 505 TELSER RD	780.00
5	603-10001-52114	LIABILITY INSURANCE CLAIMS	CLEAN UP STORM DAMAGE - 505 TELSER RD	3,240.00
		Total For Dept 10001 GENERAL GOVERNMENT ADMINISTRATION		13,671.06
Total For Fund 603 RISK MANAGEMENT				13,672.85
Fund 615 EQUIPMENT REPLACEMENT				
Dept 10001 GENERAL GOVERNMENT ADMINISTRATION				
1	615-10001-55254	MACHINERY & EQUIPMENT	QNAP, INTERNAL DDS, INTERNAL HARD DRIVE	2,679.81
		Total For Dept 10001 GENERAL GOVERNMENT ADMINISTRATION		2,679.81
Dept 36001 PUBLIC WORKS ADMINISTRATION				
1	615-36001-55254	MACHINERY & EQUIPMENT	TRACKLESS MT7 TRACTOR	177,381.95
2	615-36001-55263	VEHICLES - PUBLIC WORKS	SHELF NEW 338	690.00
3	615-36001-55263	VEHICLES - PUBLIC WORKS	SHELF NEW 338	3,776.87
4	615-36001-55263	VEHICLES - PUBLIC WORKS	WARNING LIGHTS NEW 338	674.11
		Total For Dept 36001 PUBLIC WORKS ADMINISTRATION		182,522.93
Total For Fund 615 EQUIPMENT REPLACEMENT				185,202.74

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Fund 710 PERFORMANCE ESCROW				
Dept 00000				
1	710-00000-25201	BUILDING PERMIT DEPOSITS	BOND REF #BBD23-0517 - 855 WARWICK LN	105.00
2	710-00000-25201	BUILDING PERMIT DEPOSITS	BOND REF #BBD24-0597 - 1025 PETERS CT	500.00
3	710-00000-25201	BUILDING PERMIT DEPOSITS	BOND REF #BBD24-0537 - 990 CEDAR CREEK	300.00
4	710-00000-25201	BUILDING PERMIT DEPOSITS	BOND REF #BBD24-0098 - 930 COUNTRY CLUB	500.00
5	710-00000-25201	BUILDING PERMIT DEPOSITS	BOND REF #BBD24-0434 - 685 RILEY LN	500.00
6	710-00000-25201	BUILDING PERMIT DEPOSITS	BOND REF #BBD24-0601 - 1115 STRATFORD	500.00
7	710-00000-25201	BUILDING PERMIT DEPOSITS	BOND REF #BBD24-0608 - 456 PHEASANT RIDG	500.00
8	710-00000-25201	BUILDING PERMIT DEPOSITS	BOND REF #BBD24-0470 - 575 ORCHARD POND	500.00
9	710-00000-25201	BUILDING PERMIT DEPOSITS	BOND REF #BBD24-0552 - 511 N COUNTRY RID	500.00
10	710-00000-25201	BUILDING PERMIT DEPOSITS	BOND REF #BBD24-0581 - 685 RILEY LN	500.00
11	710-00000-25201	BUILDING PERMIT DEPOSITS	BOND REF #BBD24-0540 - 140 RAMBLEWOOD	500.00
12	710-00000-25201	BUILDING PERMIT DEPOSITS	BOND REF #BBD23-0339 - 925 WARWICK LN	105.00
13	710-00000-25201	BUILDING PERMIT DEPOSITS	BOND REF #BBD24-0504 - 325 KNOX PARK	500.00
14	710-00000-25201	BUILDING PERMIT DEPOSITS	BOND REF #BBD24-0627 - 105 OLD MILL GROV	500.00
15	710-00000-25201	BUILDING PERMIT DEPOSITS	BOND REF #BBD23-0321 - 216 E IL RT 22	510.00
16	710-00000-25201	BUILDING PERMIT DEPOSITS	BOND REF #BBD23-0387 - 928 INTERLAKEN DR	105.00
17	710-00000-25201	BUILDING PERMIT DEPOSITS	BOND REF #BBD24-0520 - 195 ALPINE DR	500.00
18	710-00000-25201	BUILDING PERMIT DEPOSITS	BOND REF #BBD24-0408 - 1258 THORNDAL LN	500.00
19	710-00000-25201	BUILDING PERMIT DEPOSITS	BOND REF #BBD24-0315 - 676 S RAND RD	1,000.00
20	710-00000-25201	BUILDING PERMIT DEPOSITS	BOND REF #BBD24-0594 - 202 N PLEASANT	500.00
21	710-00000-25201	BUILDING PERMIT DEPOSITS	BOND REF #BBD24-0604 - 598 DUNHILL	500.00
22	710-00000-25201	BUILDING PERMIT DEPOSITS	BOND REF #BBD24-0592 - 1215 WILLIAM DR	500.00
23	710-00000-25201	BUILDING PERMIT DEPOSITS	BOND REF #BBD24-0589 - 759 S RAND RD	3,600.00
24	710-00000-25201	BUILDING PERMIT DEPOSITS	BOND REF #BBD23-0319 - 290 OLD MILL GROV	105.00
25	710-00000-25201	BUILDING PERMIT DEPOSITS	BOND REF #BBD23-0502 - 504 N OLD RAND RD	105.00
26	710-00000-25201	BUILDING PERMIT DEPOSITS	BOND REF #BBD24-0510 - 225 ROSEHALL DR	500.00
27	710-00000-25201	BUILDING PERMIT DEPOSITS	BOND REF #BBD24-0389 - 172 SCHULDT DR	500.00
28	710-00000-25201	BUILDING PERMIT DEPOSITS	BOND REF #BBD24-0479 - 539 SURRYSE RD	500.00

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29	710-00000-25201	BUILDING PERMIT DEPOSITS	BOND REF #BBD24-0448 - 94 GOLDVIEW RD	500.00
30	710-00000-25201	BUILDING PERMIT DEPOSITS	BOND REF #BBD24-0484 - 215 SANDY POINT	500.00
31	710-00000-25502	PEG CABLE FEES	COMBINED INTERNET - DEC'24/JAN'25	951.30
		Total For Dept 00000		17,386.30
Dept 17001 TECHNOLOGY ADMINISTRATION				
1	710-17001-53214	PEG CABLE EXPENSE	EXTERNAL HARD DRIVE, PORTABLE SSD	(294.98)
2	710-17001-53214	PEG CABLE EXPENSE	POWER BANK	79.99
3	710-17001-53214	PEG CABLE EXPENSE	POWER BANK	(79.99)
4	710-17001-53214	PEG CABLE EXPENSE	EXTERNAL HARD DRIVE, PORTABLE SSD	294.98
5	710-17001-53214	PEG CABLE EXPENSE	PEG CHANNEL CONFIGURATION FILES	2.99
		Total For Dept 17001 TECHNOLOGY ADMINISTRATION		2.99
Total For Fund 710 PERFORMANCE ESCROW				17,389.29
Fund 720 PAYROLL CLEARING				
Dept 00000				
1	720-00000-22253	IMRF W/H	PR DEDUCTIONS - NOVEMBER 2024	50,485.38
2	720-00000-22301	DENTAL / VISION BENEFITS	VISION INSURANCE - DEC	2,200.39
3	720-00000-22301	DENTAL / VISION BENEFITS	DENTAL INSURANCE - DEC	12,686.56
4	720-00000-22403	AFLAC PLANS PAYABLE	AFLAC INSURANCE PREMIUM - NOV	5,842.34
5	720-00000-22404	SUPPLEMENTAL LIFE INS PAYABLE	IPBC INSURANCE COVERAGE - DEC 2024	2,334.18
		Total For Dept 00000		73,548.85
Total For Fund 720 PAYROLL CLEARING				73,548.85
Fund 731 SSA #8 HEATHERLEIGH SUBDV				
Dept 10099 GENERAL GOVERNMENT SSA ACTIVITY				
1	731-10099-52603	LAKE/WATER QUALITY MGMT	2024 NATURAL AREA MAINT SSA #8	4,000.00

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			Total For Dept 10099 GENERAL GOVERNMENT SSA ACTIVITY	4,000.00
			Total For Fund 731 SSA #8 HEATHERLEIGH SUBDV	4,000.00
			Fund 732 SSA #9 WILLOW PONDS SUBDV	
			Dept 10099 GENERAL GOVERNMENT SSA ACTIVITY	
1	732-10099-52603	LAKE/WATER QUALITY MGMT	2024 NATURAL AREA MAINT SSA #9	4,850.00
			Total For Dept 10099 GENERAL GOVERNMENT SSA ACTIVITY	4,850.00
			Total For Fund 732 SSA #9 WILLOW PONDS SUBDV	4,850.00
			Fund 734 SSA #11 LZ PINES SUBDV	
			Dept 10099 GENERAL GOVERNMENT SSA ACTIVITY	
1	734-10099-52603	LAKE/WATER QUALITY MGMT	2024 NATURAL AREA MAINT BURN #1	2,500.00
			Total For Dept 10099 GENERAL GOVERNMENT SSA ACTIVITY	2,500.00
			Total For Fund 734 SSA #11 LZ PINES SUBDV	2,500.00
			Fund 735 SSA #13 CONVENTRY CRK SUB	
			Dept 10099 GENERAL GOVERNMENT SSA ACTIVITY	
1	735-10099-52603	LAKE/WATER QUALITY MGMT	2024 NATURAL AREA MAINT SSA #13	4,445.00
			Total For Dept 10099 GENERAL GOVERNMENT SSA ACTIVITY	4,445.00
			Total For Fund 735 SSA #13 CONVENTRY CRK SUB	4,445.00

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Fund Totals:				
			Fund 101 GENERAL	293,291.75
			Fund 202 MOTOR FUEL TAX	37,657.74
			Fund 207 SPECIAL EVENTS FUND	1,557.37
			Fund 227 DISPATCH CENTER	240.18
			Fund 401 VILLAGE CAPITAL PROJECTS	146,504.20
			Fund 405 NHR CAPITAL PROJECTS	9,273.81
			Fund 501 WATER & SEWER	263,699.45
			Fund 601 MEDICAL INSURANCE	265,181.13
			Fund 603 RISK MANAGEMENT	13,672.85
			Fund 615 EQUIPMENT REPLACEMENT	185,202.74
			Fund 710 PERFORMANCE ESCROW	17,389.29
			Fund 720 PAYROLL CLEARING	73,548.85
			Fund 731 SSA #8 HEATHERLEIGH SUBDV	4,000.00
			Fund 732 SSA #9 WILLOW PONDS SUBDV	4,850.00
			Fund 734 SSA #11 LZ PINES SUBDV	2,500.00
			Fund 735 SSA #13 CONVENTRY CRK SUB	4,445.00
				<u><u>\$ 1,323,014.36</u></u>



At the Heart of Community

FINANCE DEPARTMENT

70 East Main Street
Lake Zurich, Illinois 60047

(847) 438-5141
LakeZurich.org

MEMORANDUM

Date: December 30, 2024
To: Village Manager, Ray Keller *PK*
From: Director of Finance, Amy Sparkowski
Subject: Selection for Banking Services

AGENDA ITEM

6e

Issue: The Village's banking services provider, Inland, was bought by Byline in 2023. Certain procedures used by the new bank differ from Village expectations. Furthermore, the Village is seeking additional services not currently provided by Byline.

Strategic Plan: Promote financial stability- The Village strives to maintain safety and profitability for our fund balances in order to meet our goals to protect bond rating, continue long-term capital planning, and fund large projects. Therefore, banking services must be efficient and continue to enhance technology and services while maintaining exceptional customer service. To ensure our fund balances perform well, our financial processes run smoothly, and fraud prevention remains strong, the Village issued a banking services request for proposal (RFP). This process allows the Village to compare current services and products with those offered by other government banking providers.

Analysis: The goal of the RFP process is to enter into a formal banking services contract agreement with a reputable bank. The selected bank will be required to provide all services included in the bank's response. Additional terms and conditions will not be included in the contract unless mutually agreed to by both parties.

The RFP was sent to several banks with governmental units including our current bank, Byline. Four proposals were received from qualified banks: Wintrust Community Bank, Fifth Third Bank, First American Bank, and Byline Bank.

The biggest differentiators between the proposals were the bank's fees, the availability of an automated payable process, and the acknowledgement of specific requests made by the Village.

Wintrust Community Bank proposed competitive pricing, included all the services requested in their RFP response, and was engaged and attentive to the Village's requests in the RFP proposal and follow up. Wintrust has been the Village's secondary bank for many years, providing the Village great service and security with the MaxSafe Savings account. Village staff is confident Wintrust will meet the Village's banking expectations and continue their exceptional customer service.

Recommendation: After a comprehensive review of the proposals, staff recommends the Village enter a long term agreement with Wintrust Bank as proposed in their response dated October 24, 2024.

Staff hereby requests the Village Board authorize the Village Manager to execute an agreement for banking services with Wintrust Bank, as proposed.

w/Attachments: Response to RFP for Banking Services from Wintrust Bank

OCTOBER 24, 2024



MUNICIPAL BANKING SERVICES 2024

**HAWTHORN WOODS
COMMUNITY BANK™**

A branch of Barrington Bank & Trust Company, N.A.

A WINTRUST COMMUNITY BANK

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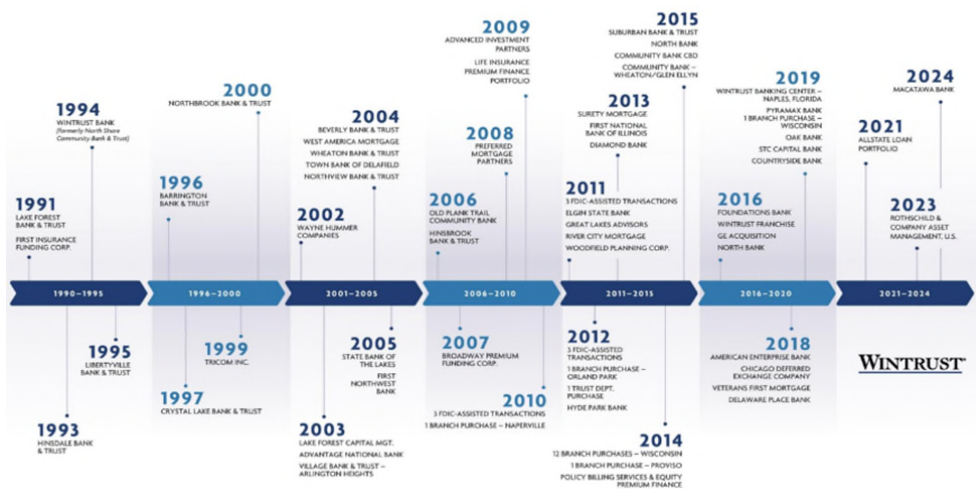
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Our History

Hawthorn Woods Community Bank is pleased to present this proposal to the Village of Lake Zurich. We appreciate the opportunity to respond to your request for banking services. We have reviewed the project overview and requirements of the RFP and have included in our response a recommended account structure that will help the Village streamline operations and account reconciliation while maximizing earning potential, a solution to provide FDIC insurance coverage well above the industry standard, and treasury management products that will safeguard taxpayer funds.

Hawthorn Woods Community Bank, a branch of Barrington Bank & Trust Company, N.A. is a full-service, locally managed community bank. Barrington Bank & Trust Company, N.A. was incorporated in the State of Illinois and opened its doors in December of 1996; the Bank was the fifth bank opened by Wintrust Financial Corporation and currently maintains approximately \$3.8 billion in total assets. We provide community-oriented personal and commercial banking services at eight banking facilities in the communities of Barrington, Hanover Park, Hawthorn Woods, Hoffman Estates, and Palatine. Barrington Bank & Trust Company, N.A. is a member bank of the FDIC and is covered by FDIC insurance; the FDIC Certificate Number is 34395. The Bank is a national bank, and as such it is permitted to accept deposits of federal, state, and local governments and give security for such deposits, pursuant to 12 USC Sections 90 and 265.

Wintrust Financial Corporation is a financial service holding company, headquartered in Rosemont, Illinois, with assets of approximately \$60 billion; it is comprised of 16 separately chartered community banks with over 180 locations throughout Chicagoland, Northwest Indiana, Southeastern Wisconsin, Western Michigan.



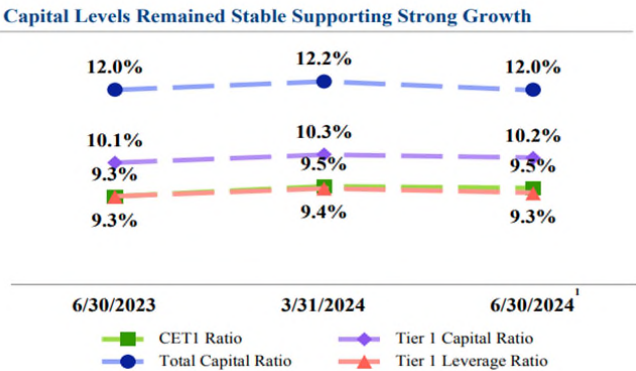
Wintrust is the largest commercial bank headquartered in the Chicago metropolitan area and expects to add new banks and branches in high opportunity markets, either on a de novo basis or by acquisition, using its successful formula of empowering local management and stressing community engagement. In addition, Wintrust Wealth Management, a subsidiary of Wintrust, offers a wide range of investment management services including experience in managing school district, municipal, fire and police pension funds.

The Wintrust banks are run by entrepreneurial management teams with the authority to make decisions locally and react to local market competition. There is on-site control over all services and the local leadership determines product, pricing, interest rates, personnel, loan approvals and new locations. As a result, bank management teams offer superior customer service, customized products, sharper pricing, quicker decisions, and unmatched community involvement.

Hawthorn Woods Community Bank believes that being able to serve the banking needs of local government entities is a natural extension of our mission to be a true community bank. We are very familiar with and comfortable providing the product and service needs to the Village and other governmental entities similar in size and complexity to the Village; our treasury management and operations departments are accustomed to providing customized processing based on the individual needs of each of our clients and our “community banking” philosophy allows us to offer superior customer service, customized products, sharper pricing, quicker decisions, and more community involvement. We are focused on innovative ideas that truly benefit our customers, offering products that are every bit as sophisticated as our big bank competitors while providing the most attentive customer service you will ever hope to find.

Financial Strength

As of June 30th, 2024, Wintrust Financial Corporation and Barrington Bank & Trust Company, N.A. regulatory capital ratios were above the well-capitalized standards and met the Capital Conservation buffer. Based on current estimates, we believe that Wintrust and its subsidiary banks will continue to exceed all applicable well-capitalized regulatory capital requirements and the Capital Conservation Buffer. Please refer to the table below for a summary of the regulatory capital ratios as of June 30th, 2024, calculated using the regulatory capital methodology applicable to us during 2024.



Financial Ratios for the period ending June 30th, 2024, for Barrington Bank & Trust Company, N.A.: 10.5% Tier 1 Leverage, 11.09% Tier 1 Capital to Risk Weighted Assets, 11.57% Total Risk Weighted Capital. The required ratios to be considered "well capitalized" by regulatory guidelines are Tier 1 Leverage - 5%, Tier 1 Capital to Risk Weighted Assets - 6% and Total Risk Weighted Capital - 10%.

Wintrust is publicly traded on the NASDAQ under the symbol WTFC. Wintrust Financial Corporation maintains a BBB+ rating from Fitch, which covers all Wintrust Community Banks®, including Barrington Bank & Trust Company, N.A. Additional information on the rating can be found [here](#).

Annual Financial Statements for Wintrust Financial Corporation can be found [here](#). Quarterly Call Reports for Barrington Bank & Trust Company, N.A. are provided with this proposal.

Experience

Wintrust Government Funds

Wintrust Government Funds provides the expertise and financial solutions that local governments are looking for. As a locally based group, Wintrust Government Funds offers superior customer service, customized products, sharper pricing, and quicker decisions, with dedicated community involvement. Taxpayer funds are kept local and reinvested back into our communities.

In addition, we have individuals with multiple years of banking and public sector experience dedicated to serving the banking needs of our government clients.

The group serves local municipalities; school districts; counties; states; state agencies and authorities; park, sanitary, library, and fire protection districts; and other public entities.



Qualifications

Relationship Team

The officers for the Village of Lake Zurich relationship would be as follows. Any of the below individuals have the authority to make timely decisions regarding the Village accounts:

CONTACT INFORMATION	TITLE	ROLE/RESPONSIBILITIES
John Haniotes 847 842 7981 jhaniotes@barringtonbank.com	Senior Vice President Barrington Bank & Trust Company, N.A.	<ul style="list-style-type: none"> Manages the Village relationship Community engagement liaison
W. Bradley Stetson 847 842 4672 bstetson@barringtonbank.com	Chairman Barrington Bank & Trust Company, N.A.	<ul style="list-style-type: none"> Senior Management contact Community engagement liaison
Jon Stickney 847 842 4673 jstickney@wintrust.com	CEO & President Barrington Bank & Trust Company, N.A.	<ul style="list-style-type: none"> Senior Management contact Community engagement liaison
Donna Kante 847 842 2632 dkante@barringtonbank.com	Senior Client Support Professional Barrington Bank & Trust Company, N.A.	<ul style="list-style-type: none"> Primary contact for day-to-day account inquiries and issues Contact for temporary limit increases
Teresa Gagne 262 833 3369 tgagne@wintrust.com	Assistant Vice President Wintrust Treasury Management	<ul style="list-style-type: none"> Treasury Management contact Account analysis reviews Complex product inquiries
Jacqueline Niemi Boland 847 993 8861 jboland@wintrust.com	Assistant Vice President Wintrust Government Funds	<ul style="list-style-type: none"> Government Banking resource Collateral and FDIC coverage questions



John D. Haniotes, Senior Vice President, Barrington Bank & Trust Company, N.A.

John Haniotes has been part of the Business Banking Group at Barrington Bank & Trust Company, N.A. since July 1999. John's expertise and primary focus is managing municipal and non-profit related relationships for the Bank, along with working with the local small businesses in the community.

John has a number of years of experience working with municipal accounts dating back to his prior banking affiliation with First Chicago/American National Bank. As part of a community-based banking organization affiliated with and supported by Wintrust Financial Corporation, John provides excellent, professional, and personalized customer service with products and services designed to meet the specific needs of the municipality or non-profit organization.

John is a member of the Barrington Area, Hoffman Estates and Lake Zurich Area Chamber of Commerce and also serves on their Government Relations Committees. John has been a member of Arlington Heights and Barrington Breakfast Rotary Clubs since 1983. John recently became a member of the Palatine Public Library Foundation Board and Northwest Community Hospital Foundation Fund Raising Committee. John attended Valparaiso and Lewis Universities receiving a degree in Business Management and Marketing.



W. Bradley Stetson, Chairman, Barrington Bank & Trust Company, N.A.

Brad Stetson, along with James Bishop (now retired) started Barrington Bank & Trust Company, N.A. in December of 1996. Brad began his banking career in 1980 with Citizens Bank & Trust Company, which through numerous mergers is today a Chase Bank Branch located in downtown Park Ridge. Brad's career began as a credit analyst in the commercial lending department; he eventually became the senior commercial lender in 1995 managing the commercial banking department and the automobile floor plan group. Today, as Chairman, Brad, with his team, has opened ten full-service banking offices including two in Barrington, three in Hoffman Estates, two in Palatine, one in Hanover Park and one in Hawthorn Woods.

Brad received his BS undergraduate degree from Florida State University with a major in management and his Master's degree from DePaul University with a major in Finance.



Jon Stickney, CEO & President, Barrington Bank & Trust Company, N.A.

Jon Stickney joined Barrington Bank & Trust Company, N.A. in 2000; he began his banking career in 1992 with Harris Bank. Jon is responsible for the overall direction and administration of programs, products, and services provided by the Bank, including the Bank's financial performance, credit quality, business development, operations, regulatory compliance, and risk management. He ensures that the Bank provides the highest level of customer relations and service while maintaining compliance with Bank policies, procedures and processes.

Jon received his BS undergraduate degree from the University of Iowa with a major in business administration and finance and his Master's degree from DePaul University with a major in Finance. Additionally, Jon received honors from the Graduate School of Banking at the Bank Administration Institute at the University of Wisconsin-Madison, WI.



Donna Kante, Senior Client Support Professional, Barrington Bank & Trust Company, N.A.

Donna has been part of the Business Banking Group at Barrington Bank & Trust Company, N.A. since October 2020. Donna excels in providing support to municipal, non-profit, and small business-related relationships for the bank. Donna is a member of the Barrington Women's Business Network committee.



Teresa Gagne, Assistant Vice President, Wintrust Treasury Management

Teresa joined Wintrust Financial in 2011 and has a 25-year banking career in various capacities within the banking industry.

Teresa specializes in treasury management services and strategies, as well as managing the implementation of new services for businesses, municipalities, and other government entities.

Teresa's focus is building relationships with bank clients and keeping them up to date on the latest payables and receivables management technologies available.



Jacqueline Niemi Boland, Assistant Vice President, Wintrust Government Funds

Jackie joined Wintrust in June of 2021 as the Branch Manager of Wintrust Bank, Delaware Place where she managed all branch operations and staff. She has eight years of banking experience and joined the Wintrust Government Funds team in 2023. Prior to banking, she had a successful career in local government where she served as the Executive Director for the Lincolnwood and the Sauganash

Chambers of Commerce. She excelled in public relations and community outreach. She has an extensive volunteer resume with community associations, historical and natural preservation organizations.

Scope of Banking Services

1. Banking Services

A. Wire Transfers

Incoming Wires: Hawthorn Woods Community Bank. will post incoming wire transfers received by 5:30 p.m., Monday through Friday, excluding holidays, with same day availability. Incoming wire transfers will be available for immediate investment or disbursement. The Bank will assist in tracing any order not received by the destination party by 5:30 p.m.

Outgoing Wires: All outgoing wire transfers received by 3:30 p.m. will be processed the same business day; requests received after 3:30 p.m. will be considered next-day wire transfers. The Bank will assist in tracing any order not received by the destination party by 5:30 p.m.

Hawthorn Woods Community Bank can e-mail confirmation of all incoming and outgoing wire transfers to the Village. Incoming and outgoing wire information will also be indicated on your monthly bank statements and can be viewed online in real time including the amount, date and time, and confirmation number. Additionally, the Village can view all details of incoming wire transactions through our Incoming Wire report in i-BusinessBanking™.

Same day wire requests are facilitated between 8:00 a.m. and 3:30 p.m.

The Village of Lake Zurich will have the ability to warehouse instructions for future dated wire transfer requests.

In i-BusinessBanking™, the Village online system administrator(s) will be able to assign different user entitlements, resulting in the ability to segregate duties involving monetary transactions and implement multi-level security for staff. This includes both account level and transaction type entitlements, as well as monetary limits by transaction type. The standard security settings within i-BusinessBanking™ require Dual Administration and Dual Control (separate entry from approval) on Wire transactions to mitigate any fraudulent activity. Those with Administrator profiles will be able to pull comprehensive audit logs that detail all individual user activity.

B. Automated Clearing House (ACH)



Hawthorn Woods Community Bank is both a "sending" and "receiving" bank for Automated Clearing House (ACH) transactions through the Federal Reserve Bank. We can accept and originate NACHA formatted files for purposes such as direct deposit, cash concentration, disbursement, and collection of resident payments including memberships and other recurring program fees. Using i-BusinessBanking™, the

Village can upload any NACHA formatted file for processing. i-BusinessBanking™ also provides the Village the ability to create, review and edit ACH batches using the integrated ACH feature. Hawthorn Woods Community Bank recommends that direct deposit or ACH Payments files be transmitted to the Bank no later than 6:00 p.m. two business days prior to the payroll date. For example, if the payroll date is Friday, Hawthorn Woods Community Bank would need to receive the ACH file no later than 6:00 p.m. on Wednesday to ensure employees or vendors accounts are credited by 7:00 a.m. on Friday. Hawthorn Woods Community Bank is able to process the Village's payroll file for next day settlement; however, in order to ensure Village employees, receive their credits on the pay date, the Bank recommends that the payroll file be transmitted to the Bank two business days prior to that date per NACHA rules.

Hawthorn Woods Community Bank does not require a pre-notification run for direct deposit, the Village online system administrator(s) will be able to assign different user entitlements, resulting in the ability to segregate duties involving monetary transactions and implement multi-level security for staff. This includes both account level and transaction type entitlements, as well as monetary limits by transaction type. The standard security settings within i-BusinessBanking™ require Dual Administration and Dual Control (separate entry from approval) on ACH transactions to mitigate any fraudulent activity. Those with Administrator profiles will be able to pull comprehensive audit logs that detail all individual user activity.

ACH items will be reported via i-BusinessBanking™. The Village will be able to sort reports to segregate ACH items from check presentments.

C. Collections and Deposit Services

Hawthorn Woods Community Bank is a full-service banking center which offers safe deposit boxes, a full teller-line, a night depository and a free-standing 24-hour ATM. The Village will receive same day ledger credit for deposits made at the branch before 5:00 p.m. or transmitted via remote deposit capture before 6:00 p.m. Hawthorn Woods Community Bank's Funds Availability policy is expedited from the schedule of the Federal Reserve Bank and is detailed below:

- Funds from cash and check deposits will be available to the Village on the first business day after the deposit.
- US obligation maturities and interest payments will be available at the time of posting to the account.

Canvas or vinyl bags can be provided to the Village at no cost for deposits made at the branch.

For any deposit discrepancies, Hawthorn Woods Community Bank will contact the Village by email or phone and will proceed as instructed.

Hawthorn Woods Community Bank is located 1.9 miles from the Village Hall at:

Hawthorn Woods Community Bank

107 Roman Lane
Hawthorn Woods 60047

Lobby and Drive-Up Hours:
Monday – Friday 9 a.m. – 5 p.m.
Saturday 9 a.m. – 1 p.m.

Additional locations:**Barrington Bank & Trust**

3.4 miles from Village Hall
233 W. Northwest Hwy
Barrington 60010

Lobby & Drive-Up Hours:
Monday – Friday 9 a.m. – 5 p.m.
Saturday 9 a.m. – 1 p.m.

Barrington Bank & Trust

3.7 miles from Village Hall
201 S. Hough St.
Barrington 60010

Lobby and Drive-Up Hours:
Monday – Friday 9 a.m. – 5 p.m.
Saturday 9 a.m. – 1 p.m.

The standard practice at Hawthorn Woods Community Bank is to automatically re-deposit any item returned due to insufficient funds. If the item is returned a second time, the account that initially received the deposit would be debited. A chargeback item fee of \$4.50 would be assessed for each returned item.

D. Statement and Advice Frequency

Banking activity statements for all accounts are generated at month-end; online statements are available by the second business day of the month. The Village can access sixteen months of bank statements through i-BusinessBanking™. Images of any account adjustments will be included with the monthly statement. Bank statements include all items that have cleared the account during the month.

An account analysis statement will be mailed or available online through i-BusinessBanking™ by the **fifteenth** business day of the month; the statement will itemize all monthly transactions and related service charges by type and volume. Costs shall reflect those listed on the Cost Proposal Form unless additional services beyond those originally agreed upon have been requested by the Village to be provided by the Bank, and such additional services and costs associated have been agreed upon in writing.

Hawthorn Woods Community Bank's web-based Returned Deposited Items Reporting service would enable the Village to view incoming information and images of returned items. In addition to viewing chargeback items, the Village would be able to research, and decision returned items. Information is retained for seven years.

All debit and credit memos required to adjust errors caused by the bank will not be counted as chargeable items to the Village. All deposit errors will be accompanied by a copy of the deposit slip. All bank errors will be corrected within five (5) business days of notification by the Village.

E. Collateralization of Account Balances

Hawthorn Woods Community Bank is committed to collateralizing funds above those covered by FDIC insurance and provides several options to protect those deposits. The Bank can pledge securities in accordance with the Village's collateral requirements in safekeeping at BMO Bank as custodian. Wintrust provides a daily mark to market of pledged securities. We accomplish this by utilizing collateral monitoring software which provides the exact percentage of collateral coverage required on balances each business day.

We also offer Public Unit Deposit Letters of Credit (PUD LOCs) issued by the Federal Home Loan Bank of Chicago to secure public deposits. With this option, the FHLBC PUD LOC is issued directly to the Village as beneficiary to guarantee funds on deposit at Hawthorn Woods Community Bank.

Additionally, Hawthorn Woods Community Bank offers a unique solution to public fund depositors through our MaxSafe™ Public Fund Accounts which provide up to fifteen times the FDIC insurance coverage of typical public deposits.

Hawthorn Woods Community Bank provides a monthly report of pledged collateral which will include the type, amount, maturity dates and CUSIP numbers of all securities, any FHLB PUD LOC account numbers and detail all FDIC coverage. This report is provided on the first business day of each month.

F. Online Banking

Hawthorn Community Bank's internet banking service, i-BusinessBanking™ provides a landing page dashboard that can be customized by user providing configuration options to support unique perspectives. The dashboard provides immediate access to balance information and actionable features such as Approvals, Exceptions, and Other Accounts, and optimizes performance for users with many accounts. There is no limit to the number of accounts that can be displayed on the Welcome page. i-BusinessBanking™ provides the following features:

- Access to daily balances, including ledger, available and collected
- Access to detailed debit and credit posting (cleared checks, deposits, returned checks, wire transfers in and out, ACH transfers in and out)
- Access to paid Check Images and other bank documents – front and back
- Account transactions searchable by transaction type, amount, date, and check number
- Downloadable account activity data – file formats include BAI2, CSV, PDF, HTML
- Access to sixteen months of statements
- Initiation of transfers between accounts within the Bank

- Initiation of ACH transfers – both debit and credit, with the ability to create and access templates for recurring transactions
- Initiation of Stop Payment orders
- Initiation of Wire Transfers, including the ability to create and access templates for recurring wire transfer transactions
- ACH File Upload
- Transmission of files to/from the Bank for Account Reconciliation & Positive Pay
- Positive Pay exception viewing and submission of voided or manual items
- NSF and ACH return reporting
- Multiple Alert Settings which can be customized by user, including NSF, low balance, incoming wires & ACH
- Access to detailed reports including cleared check history, stop payment history, detailed wire transfer history and ACH debit & credit history
- Access to EDI reports
- Controlled disbursement reporting
- Account and transaction alerts configurable by user

Multiple report types are available through i-BusinessBanking™ including:

- Current account activity
- Balance reports
- Ledger Balance
- Available Balance
- Total Debits
- Total Credits
- One Day Float
- Two Day Float
- Specific transaction searches
- ACH, wire transfer and internal transfer history
- Pending ACH, wire, and internal transfer transactions
- Stop payment history
- Positive Pay decisions, issued, outstanding and stale items
- Account Reconciliation reports
- User activity reports

Reports are available by 7:00 a.m. The Village will have access to intra-day reporting for all incoming electronic transactions. Real-time reporting is available for any incoming transactions and will reflect real-time account balances.

A PC or Mac with an internet connection is the only hardware required. Using i-BusinessBanking™, the Village can download data into PDF, CSV, BAI2 or HTML file formats. Wintrust Financial is familiar with BS&A; the software allows for the upload of transaction data from i-BusinessBanking™. Data files can be uploaded or downloaded into a customizable CSV or BAI file format into BS&A via i-BusinessBanking™.

i-BusinessBanking™ uses the most advanced Transport Layer Security (TLS 1.2) with 256-bit Advanced Encryption Standard and authentication protocols to protect all communications and account transmissions against snooping, counterfeiting, or other interference on the internet. A sturdy firewall protects our server from internet hackers, while a powerful filtering router further isolates our host computers. In addition to the fraud online security features listed above, i-BusinessBanking™ utilizes Security Tokens, a service to protect the Village from fraudulent online activity. Any online banking user will have a token for log-in that will be used in conjunction with a company log-in and user specific log-in and password. Users will have the option of either a hard token fob or a software token available via a smartphone app. While a company can have both hardware and software token services enabled, an individual user cannot use both types of tokens concurrently.

The Village online system administrator(s) can assign different user entitlements, resulting in the ability to segregate duties involving monetary transactions and implement multi-level security for staff. This includes both account level and transaction type entitlements, as well as monetary limits by transaction type. The standard security settings within i-BusinessBanking™ require Dual Administration and Dual Control (separate entry from approval) on all ACH and Wire transactions to mitigate any fraudulent activity. Those with Administrator profiles will be able to pull comprehensive audit logs that detail all individual user activity.

Passwords are required to be changed every ninety days. Online banking sessions will timeout after twenty minutes of user inactivity. Unused user IDs will be deactivated after 90 days of inactivity.

Wintrust Financial has many clients currently using the BS&A system and are confident that the Village will be able to upload information from and download information to BS&A.

G. Fraud Prevention and Positive Pay

Hawthorn Woods Community Bank offers check and ACH Positive Pay Services. With Check Payee Positive Pay, each check that is presented for payment against the Village accounts will be compared to an issue file that the Village sends to the Bank via file upload through i-BusinessBanking™. If a payee, dollar amount or check number differs, the Village will receive an alert through i-BusinessBanking™ by 9:00 a.m. each morning. The Village will be able to view an image of the item online and transmit a "pay" or "return" decision. A decision must be made on exception items by 1:00 p.m.; if a decision is not made by this time, the item will be returned. Positive Pay Services are integrated with bank teller lines.

Hawthorn Woods Community Bank supports payee name verification within check Positive Pay by using Optical Character Recognition (OCR). The Bank recommends clients adhere to certain standards proposed by the American National Standards Institute (ANSI) as it relates to magnetic ink, bond paper, fonts, logos/artwork, etc. The Bank will provide a specification form with guidelines to help identify the best way to alleviate errors on payee names, such as using black

ink, payee name placement in relation to "pay to the order of", etc. Payee names can be on more than one line; however, each line is interpreted as a space.

Hawthorn Woods Community Bank also offers ACH Positive Pay which allows the Village the ability to make a "pay" or "return" decision on ACH debits posting to its accounts. Criteria can be set at the time of the posting to prevent future unauthorized ACH debits; filters can be established to allow for future authorized debits and can include parameters based upon dollar amount limits and time frame. The Village will have until 2:00 p.m. to provide a decision on incoming ACH debits.

For those accounts on which checks are not written, Hawthorn Woods Community Bank recommends that the Village place a "Post No Checks" status to mitigate any attempts of external check fraud.

H. Stop Payment Services

Stop Payments take effect immediately and remain in effect for six months. We recommend that checks be voided through the positive pay module as opposed to creating a stop payment, as voided positive pay items do not have an expiration date.

Village of Lake Zurich will have the option to initiate Stop Payment orders, access to detail reports, confirmation details and notifications through i-BusinessBanking™.

I. Purchasing Card Services

Wintrust is proud to partner with FNBO to offer both Purchasing and Commercial Card programs and can work with customers to determine which program would be the best solution based on desired outcomes. All our programs are supported by the latest in card program technology and controls to manage security and spend.

FNBO has been issuing credit cards since 1953. FNBO currently services over 118,000 Small Businesses and Corporate Credit Card Clients and consistently ranks as the 15th largest issuer of card services. FNBO is a self-processor utilizing our own proprietary system. FNBO is committed to providing the Village with a cost-effective and strong revenue-generating program that is second to none.

Online Card Account Management:

FNBO allows the Program Administrator(s), full access to manage your card program online, and in real-time. Direct Card Access, our online application, allows Program Administrator(s) to:

- Monitor accounts and transactions, view statements, and download transaction data
- Adjust card credit limits in real-time
- Request new or replacement cards
- Close accounts
- Make online payments

- Individual cardholder online access to their account statements and download transaction detail
- Program Administrator(s) also may call our dedicated administrative client service team to request account management changes

Online Reporting and Expense Management:

FNBO's Online Reporting Site offers standard and customizable reports for all transaction data up to 36 months. Standard reports include monthly statements, spend analysis reports, travel analysis reports, etc. Transaction data can be exported in a variety of formats for import into the Village's expense management system and BS&A. Custom reports can be created specific to your needs. Our implementation team will work with the Village to create a customized expense management platform and reporting package.

Purchase Controls

Purchasing controls can be used to improve visibility of expenses, enforce compliance, and increase savings. Controls can be implemented at the company, department, organization point, or individual cardholder level. Purchase controls available include:

- Merchant Category Code (MCC) Restrictions – Card usage can be blocked for a particular MCC or the company can utilize the 16 predefined MCC groups. Restrictions can be placed across the entire card program or individual card accounts
- Velocity Restrictions (frequency of use) - limit the number of transactions or dollar amount that can be charged during a specific time frame, such as daily, weekly, monthly, or cycle. These restrictions can be based on all MCC's or pre-defined merchant category groups
- Credit Limit Controls – set and adjust card credit limits online, in real-time
- Cash Advance Restrictions - completely or partially block cash advance access

PURCHASING CARD PROGRAM OPTIONS

FNBO supports a full spectrum of payment products for small item purchasing to Accounts Payable processing. The breadth of FNBO Purchasing Card program includes:

- Traditional Purchasing Cards
- Ghost Cards
- Virtual / One Time Use Card Numbers

Vendor Analysis

FNBO can review the Village's vendor file and provide you with an analysis of possible targets for purchasing card spend. FNBO provides a vendor enablement team that will work on your behalf to reach out to the Village's vendors.

Fraud

Card payments have a reduced fraud risk compared to other payment methods and offer extensive payment controls. With virtual card, your exposure to fraud and overspending are nearly eliminated as purchasing approvals and controls are centrally managed.

FNBO offers the following features to help guard against external and internal fraud:

- Access to robust purchase controls and reporting
- Ability to set spending alerts
- Self-service management to updated credit limits and close cards real-time
- Permission and hierarchy based user roles

Additional MasterCard offers additional protection. Information can be found here: <https://www.mastercard.us/en-us/business/overview/cards/business-credit-mastercard.html>. This provides ways to enroll the company in additional protections and the terms and conditions for each program.

In addition to these protections, the FNBO fraud department is available 24 hours a day, 7 days a week. All FNBO operations are located within the US. Additionally, FNBO has transactional fraud monitoring in place and a Fraud Prevention team that will reach out to verify suspicious activity.

Rewards/Rebate

Card programs set up to receive rewards will earn one point per dollar spent, rolling into a Reward Point Summary account at the company level. Our MaxRewards program allows for a variety of on demand redemption options including gift cards, travel, stmt. credits and cash back up to 1% in value. Value varies based on redemption item and option. For example, cash redemption at 100,000 points = \$1,000. The value per point may be lower if you were to redeem for cash at lower point thresholds.

Rebate programs will be customized based on company profile and program needs.

Below are four references of government accounts currently using merchant services:

Village of Lombard
 Jamie Cunningham
CunninghamJ@villageoflombard.org
 (630) 620-5910

Village of New Lenox
 Kimberly J. Auchstetter, CPA
kauchstetter@newlenox.net
 (815) 462-6411

J. Overdrafts

Based on the credit quality of the Village, the Bank is prepared to accommodate all reasonable overdrafts. The Village will be immediately notified if an account does not have sufficient funds to cover inclearing items or wire transfer requests and a determination to accommodate such requests will be made as they occur. Hawthorn Woods Community Bank would not assess an overdraft charge to the Village.

Accounts are not aggregated for overdraft calculation/fee purposes; however, the Bank will consider aggregate account balances when determining payment of items. In the unlikely event that the Bank would assess a charge to the Village for an overdraft, the fee would be \$40.00 per item.

A daylight overdraft would occur if funds were not available to cover inclearings intra-day but are received before the end of the business day. An overnight overdraft would occur if funds were not received by the end of the business day to cover the debit activity.

Additional Services

Account Structure

Hawthorn Woods Community Bank can accommodate any number of separate accounts needed by the Village. It is our recommendation that the Village utilize Wintrust's **MaxSafe™ Public Fund Accounts** which are innovative and unmatched depository accounts that provide up to 16 times the standard FDIC insurance coverage per public depositor. Village funds would be spread across the 16 separately chartered, affiliated Wintrust banks, all of which are FDIC insured and deemed "well capitalized" by regulatory agencies. This allows for FDIC coverage of \$250,000 at each of the banks, ultimately providing up to \$3.75 million in coverage for transaction account balances, plus an additional \$4 million in FDIC insurance on interest bearing balances. The **MaxSafe™ Public Fund Accounts** offer competitive returns as they reduce the need for, and cost of traditional collateral. At any time, the Bank can provide a report detailing the breakdown of the amount of funds on deposit at each charter.



To minimize idle balances, maximize interest earnings, and streamline the reconciliation process, it is our recommendation that all the Village accounts with daily transaction activity be established as **MaxSafe™ Public Fund Hybrid Checking Accounts**. Balances in the account will receive an Earnings Credit that will be used to offset monthly service charges; funds over the compensating balance will receive interest. The proposed Earnings Credit Rate is 1.50% and the proposed interest rate for excess balances is 2.50%.

Based on the average daily collected balance, the monthly account activity and the earnings credit rate, the account analysis system calculates the compensating balance each month to the exact penny, eliminating any excess earnings credit or the need to set a peg balance. All balances above those needed to offset fees will earn interest, without the need to transfer funds to a separate investment account. With the hybrid account structure, interest is calculated based on the calendar month, but posted according to the analysis schedule (middle of the following month).

With the **MaxSafe™ Public Fund Hybrid** Checking account structure:

- Balances in the account will earn an Earnings Credit Rate of 1.50% used to offset monthly service charges
- All balances over those needed to offset fees will earn interest at a rate of 2.50%
- If account balances do not cover the monthly activity charges, the account will be debited according to the account analysis schedule
- After the initial six months of the agreement, the proposed Earnings Credit Rate and interest rate will be reviewed quarterly and adjusted as appropriate based on market conditions
- Funds are FDIC insured up to \$3.5 million; excess funds will be collateralized

The benefits of this account type include:

- Competitive ECR and interest rate assures maximum earning potential
- All monthly banking fees will be offset with the earnings credit rate
- Eliminates idle balances and the need to monitor a "target balance"
- Maximizes interest earning potential by eliminating idle balances
- Ensures safety and security of taxpayer funds

Compensating Balances and Monthly Account Analysis

Village of Lake Zurich will have the option to pay for banking services through a compensating balance arrangement, a direct fee schedule or a combination of the two. Non-interest-bearing balances will earn an earnings credit rate of 1.50%. The earnings credit allowance is calculated using the average daily collected balance.

The calculation for the standard Earnings Credit Rate is as follows:

$$\frac{365 \text{ divided by } \# \text{ days in September} = 30}{\text{Earnings Credit Rate} = 1.50\%}$$

At the proposed Earnings Credit Rate, each \$1 of services would be offset by \$784.95 balances. The MaxSafe™ Public Fund Hybrid Checking Account ensures that the Village does not have any excess balances that will not earn interest.

Any accounts with minimal monthly account activity can be invested in MaxSafe™ Public Fund Money Market Accounts. Funds can be withdrawn from the account up to ten times per month.

The interest rate on the MaxSafe™ Public Fund Money Market Account is tiered and based on the daily balance in the account. MaxSafe™ Public Fund Money Market Account rates are adjusted daily and set to the Illinois Funds rate, with balances over \$2.5 million receiving an additional 0.05%. Average MaxSafe™ Public Fund Money Market Account rates for September 2024 were:

<	\$2.5 million	=	5.229%
>	\$2.5 million	=	5.279%

Interest earnings on the MaxSafe™ Public Fund Money Market Account are calculated using the average daily collected balance and posted monthly to the account.

Transfers Between Accounts

Transfers between accounts can be performed on-line via i-BusinessBanking™; there is no charge for this service. Credit for transfers between accounts will be given on the same day they are initiated, regardless of time.

Fees

The fees quoted by Hawthorn Woods Community Bank within this proposal will remain fixed for a 3-year period. Any price adjustments made after the initial term of the agreement, will be agreed upon in writing by both parties.

Bank's Disaster Recovery Plan



Wintrust Financial Corporation maintains a comprehensive business continuity, disaster recovery, information security and fraud programs following the guidance from our regulatory partners and industry best practices. In addition, Wintrust Financial has a comprehensive risk assessment program. As an integral aspect of Wintrust's governance practices and internal controls, the Internal Audit Department reports to the Audit Committee of the Wintrust Board of Directors. The results from our audits are shared with the Audit Committee and recommendations from the audits are tracked and validated once implemented. Internal Audit is responsible for making internal control assessments of the Business Continuity Plan (BCP) and Disaster Recovery (DR) program as well as Data and Cyber Security programs for the Company. Wintrust has documented BCP/DR plans as well as completed Cybersecurity/Data Security assessments.

Each department, business line, and charter document the recovery time and recovery point objectives in their Business Impact Analysis. A Business Continuity team supported by formal business continuity coordinators are assigned to manage response and recovery efforts.

Wintrust conducts DR tests and BCP exercises at least annually to ensure that the business can recover from disasters on a timely basis and that employees are aware of the procedures. The risks associated with the core applications, network and paper repository items that contain sensitive information are reviewed on a periodic basis.

Wintrust Technology regularly backs up all data to safeguard sensitive information under the control of Wintrust Technology. Wintrust Technology also conducts regular testing of its media recovery process to validate the process. The recovery process is in alignment with the established

recovery time and recovery point objectives with each department, business line and charter documents in their Business Impact Analysis.

Wintrust Financial Corporation has multiple tech centers that allow the banks to continue processing and can be switched to another center to provide the Village with financial information if necessary.

Customer Service

Providing a high-level of customer service on a consistent basis is built into Hawthorn Woods Community Bank's philosophy; our team is thoroughly invested in each client relationship and is committed to provide ongoing, everyday support across all banking capacities. We effectively serve our client base by providing continuous customer support and proactively presenting new ideas and solutions to improve various day-to-day business functions.

All clients have direct access to Hawthorn Woods Community Bank senior management, their relationship managers, treasury management officers and operations staff. As all client service is handled internally, your call will never be rerouted or outsourced to another location. We strive to respond to emails and phone calls promptly. We take great pride in our client service model and feel our proactive efforts set us apart from the competition.

Hawthorn Woods Community Bank believes that each dispute situation is unique and deserves a customized solution. As such, we do not have a one size fits all standard remediation policy. Any issues or errors requiring remediation will be addressed by your relationship team and local senior management. This will provide the Village both swift responses, as well as individualized resolutions.

With the volume of activity for an account relationship like the Village's, Hawthorn Woods Community Bank understands that errors will occasionally occur. Whether it's a key-stroke error by a teller or a scanner misreading a deposited item, we understand the importance of balancing to the penny. When an error does occur, the Village will have a dedicated point of contact in Donna Kante to report any issues you are experiencing. Donna will work directly with the Village to resolve these errors and adjust as necessary. All issues will be acknowledged the same business day, and typically resolved within 24 hours. For global online issues, the Village will contact Donna who will provide status updates as available. Status updates and messages may also be displayed in the online banking application as applicable.

If the dispute is a result of a fraudulent or unauthorized item, the Village must notify the bank within 24 hours or as soon as possible for the Bank to begin the investigation and dispute process. A fraud affidavit will need to be signed by the Village and a police report will be required.

Wintrust Financial Corporation has received Greenwich Excellence Awards nine years in a row! We earned a total of four 2023 Greenwich Excellence Awards in U.S. Middle Market Banking and U.S. Small Business Banking.

There are several reasons that all Wintrust team members should be proud of our Greenwich Excellence Awards, said Paul Carlisle, COO, Wintrust Commercial Banking, Wintrust Financial Corporation. "First, they are based on interviews with randomly selected companies, so they directly reflect how our clients feel about us. Second, the awards are pretty exclusive. Of over 500 banks assessed by Coalition Greenwich nationally, only 23 won middle market awards and only 39 won small business awards. Finally, they reflect our consistency: We have now won Greenwich Awards in nine consecutive years.

Coalition Greenwich announced the Greenwich Excellence Awards for U.S. Middle Market Banking on Feb. 21, 2024, and the Greenwich Excellence Awards for U.S. Small Business Banking on Feb. 20, 2024. We were chosen for our ability to combine high quality day-to-day service, innovative digital banking tools, and insights that help optimize business performance.

Wintrust Financial Corporation's 2023 Greenwich Excellence Awards by category:

- 2023 Greenwich Excellence Awards for U.S. Middle Market Banking
 - Regional Awards
 - Overall Satisfaction – Midwest
 - Regional Awards – Cash Management
 - Overall Satisfaction – Midwest
- 2023 Greenwich Excellence Awards for U.S. Small Business Banking
 - Regional Awards
 - Overall Satisfaction – Midwest
 - Likelihood to Recommend – Midwest

Incentive Offered by Bank

Hawthorn Woods Community Bank will provide at no cost to the Village, deposit slips, locking bank deposit bags/money bags, and endorsement stamps upon request.

Designated Account Executive

Village of Lake Zurich will have a team of dedicated resources. John Haniotes will be the Village's relationship manager and main point of contact. John will bring in appropriate specialists for different aspects of the overall banking relationship. Teresa Gagne will be the Village's dedicated Treasury Management officer. Teresa is responsible for the Village's treasury management services and strategies and managing the implementation of new products.

John and Teresa's experience and qualifications are detailed on pages 7-9.

The Village will also have access to our treasury experts in Rosemont, IL who are available from 7:30am to 6:00pm CST to assist with password resets, online banking questions, ACH file concerns, etc. John and Teresa can assist with all inquiries; the Village will never need to call a 1-800 number.

Historical Rates Information

See below for 12-months on our MaxSafe Public Funds Money Market account:

Date	IL Funds Average Rate
10/2023	5.532%
11/2023	5.519%
12/2023	5.462%
01/2024	5.392%
02/2024	5.399%
03/2024	5.403%
04/2024	5.422%
05/2024	5.422%
06/2024	5.433%
07/2024	5.382%
08/2024	5.373%
09/2024	5.229%

Wintrust@Work

Hawthorn Woods Community Bank will provide free checking account services to Village employees. Wintrust@Work's Total Access Checking Account provides:

- Use of any ATM nationwide with a refund of any transaction fees
- No minimum balance
- No monthly service charges
- Cubs® or White Sox® branded debit cards
- Online banking access with free bill pay service and mobile banking
- Complimentary payroll checking cashing at our banking locations with valid identification

Village of Lake Zurich staff can transact business at any of our more than 180 Wintrust Community Bank locations. Hawthorn Woods Community Bank will offer on-site account sign up sessions for the employees at pre-arranged times.

Hawthorn Woods Community Bank also periodically has deposit promotions for money market, savings, and certificate of deposit accounts.

Additional services include:

- Credit Building and Repair services such as Money Smart Savings, Checking, CD Loan, Everyday Loan and Secured MasterCard accounts
- Financial education seminars

- Platinum Adventures Club: social and travel club for adults over the age of 50
- Junior Savers Clubs: Designed for children and young adults under the age of 22

Free coin counting, safe deposit boxes, and gift cards are also available at our branch locations.

Money Smart Financial Education Courses

Hawthorn Woods Community Bank representatives are available to present courses selected from the FDIC Money Smart for Young Adults Curriculum. This could be done either virtually or live in the classroom and would cover topics such as setting financial goals, developing a savings plan, building credit history, and borrowing basics.

Investment/Trust

Wintrust Wealth Management is comprised of Great Lakes Advisors, Wintrust Investments and Wintrust Private Trust Company. Together they provide investment expertise from over 140 financial service professionals in Illinois and Wisconsin and manage or administer nearly \$25 billion in assets for 26,000 clients. Great Lakes Advisors provides customized institutional investment solutions and specializes in professional discretionary portfolio management, customized balanced portfolios, and single strategy portfolios for public and non-profit entities. They deliver superior performance while maintaining a conservative risk profile. Great Lakes Advisors is an ideal solution for surplus cash or bond proceeds management.

Wintrust Investments is one of the oldest and largest Chicago based wealth management firms providing comprehensive brokerage services, non-proprietary advisory management and insurance planning and advice. The Village would be able to purchase brokered CDs and securities through Wintrust Investments.

Wintrust Private Trust Company offers custody services including the safekeeping of securities, collection of interest, dividends and cash proceeds from maturities and called bonds, and consolidated reporting of assets, transactions, and interest. Wintrust Private Trust Company accepts delivery of securities through its omnibus account at Bank of New York and through DTC.

Municipal Lending

Wintrust Government Funds assists the Wintrust Community Banks in making loans to, and purchasing bonds issued by municipalities, school districts, and other units of local government and provide financing for various purposes, including capital improvements, economic development, debt refinancing and working capital. Financing structures include:

- General Obligation Limited and Unlimited Tax Bonds
- Debt Certificates
- Installment Contracts
- Revenue, Alternate Revenue & Working Cash Bonds

- Special Assessment and Special Service Area Bonds
- Tax Increment Financing
- Tax Anticipation Warrants and Notes
- 501(c)(3) Bonds and Industrial Development Revenue Bonds
- Operating leases (FASB 13)
- Capital or "\$1" out financings
- Purchase Leasebacks
- Lease Lines
- Technology Upgrades
- Equipment Disposal

i-BusinessCapture Pro™

Hawthorn Woods Community Bank can provide the Village with a convenient way to deliver deposits to the bank electronically. The program is web based and can be used with Google Chrome, Microsoft Edge, Mozilla Firefox, and Apple Safari®. There is no set up fee or contract required for i-BusinessCapture Pro™.

The imaging scanners allow the scanning of up to 50 checks per minute and transmit the images directly to the Bank for deposit. Batches can be saved throughout the business day and transmitted as one complete deposit if preferred. Items may be transmitted up until 6:00 p.m. for same day ledger credit.

The Village will appoint a Security Administrator who will in turn appoint Authorized Representatives. i-BusinessCapture Pro™ will be accessed using a User ID and Password by Authorized Representatives. Multiple reporting and image search features include the ability to print check images, deposit slips and deposit transmission reports for safekeeping and account reconciliation. Retention of activity history is available for a rolling 45 days. Users can search for specific items, including deposit tickets, deposit items or rejected items, or items across deposits. Search fields include date, amount, serial number, account number and routing number. For security purposes each scanner user will have a unique user ID and the Scanner Administrator will have the ability to set security limitations for each individual user. Numerous reports are also available.

Wintrust also offers Remote Deposit Capture Direct Transmission (ICL) services, which moves paper deposits to electronic format. With RDC ICL services, the District would have the ability to process large volume of check images into a structured X9.37 file format that is transmitted to the Bank in the form of a deposit. The file is sent via File Transfer Protocol (FTP).

Long Term Image Archive

Village of Lake Zurich will have access to sixteen months of bank statements and up to eighteen months of account transaction activity through i-BusinessBanking™. For long-term check image and statement access, Hawthorn Woods Community Bank offers a web-based Long Term Image

Archive application that provides a seven-year archive of account history, paid and deposited items, and monthly account statements. The monthly maintenance for this service is \$25.00.

Returned Deposited Items Reporting

This web-based service would enable the Village to view incoming information and images of returned items. In addition to viewing chargeback items, the Village would be able to research, and decision returned items. Information is retained for seven years. The Returned Deposit Items Reporting service is \$20.00 per month.

Health Savings Accounts

Hawthorn Woods Community Bank offers Health Saving Accounts (HSA's), a tax-advantaged personal savings account that can be used to pay medical, dental and vision expenses. This account can be offered to your employees in conjunction with a high deductible health plan as part of your benefits offering, which could result in lower insurance premiums for the Village.

Automated Accounts Payable Services

2. Integrated Payables

Wintrust Integrated Payables is our web-based, payments platform that takes a single payment file from the Village's BS&A software and processes all payments in a variety of modalities. Wintrust Integrated Payables provides an end-to-end payment automation solution that streamlines processes and increases vendor satisfaction through faster payments, strengthened security controls and enhanced remittance data.

An integrated payables file can connect to an ERP through an API (Application Programming Interface), direct connect, or secure file exchange. Payments can be made via check, ACH, wire, and Virtual Card. Once received, the Bank will send out the payments in the manner indicated by the Village.

- CHECK – Checks are drawn on the Village's account. The corresponding Payee Positive Pay file is created and uploaded to i-BusinessBanking™ on your behalf; you only need to manage exceptions.
- ACH – ACH files are created and uploaded for the Village.
- CREDIT CARD (vCARD) – A one-time, single-use virtual card number is created for each payment. This is the most secure form of payment and has the benefit of generating a cash-back rebate for the Village.

Through the utilization of Integrated Payables, Hawthorn Woods Community Bank can help the Village migrate its vendors from checks to a digital payment modality through vendor enablement. Vendor enablement is the single biggest hurdle for companies seeking to improve the accounts payable process. Wintrust Integrated Payables provides proven vendor enablement methodology that utilizes a comprehensive best-practices approach to optimize conversion of checks to electronic payments, such as Virtual Card and ACH.

The Vendor Portal allows Village vendors to:

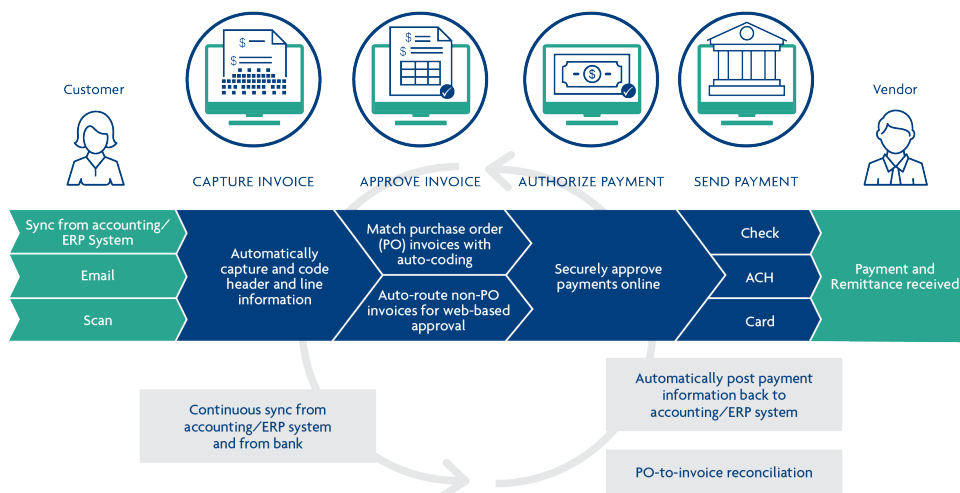
- Enroll for electronic payments
- Manage payment preference for virtual card or ACH
- Access vCard payment information
- View payment history and remittance information
- Download remittance detail in EDI, BAI2, CSV
- Create and manage user accounts
- Access audit trails of user activity

BENEFITS:

Streamline payments

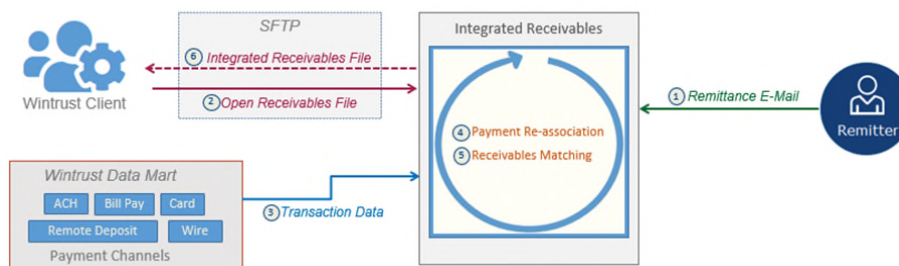
- Execute AP payments as a Check, ACH, Wire or Virtual Card

- Increase Revenue
- Convert check transactions to card transactions, which are eligible for a rebate.
- Reduce Cost
- Reduce internal labor costs, and costs associated with printing and mailing checks
- Mitigate Fraud
- Implement various controls to mitigate fraud, including submit, review and release capability



Integrated Receivables

Integrated Receivables captures and aggregates all payments and images from any paper or electronic sources, regardless of location, type or channel and automates receivables processing by bringing all payments information, images, and data into one central repository. This service uses advanced payment association and invoice matching capabilities to electronically match the payment with the invoice remittance, as well as machine learning and sophisticated algorithms, causing greater straight-through processing rates and cost reductions.



Customized integrated payables pricing is available upon request.

References

As previously mentioned, The Wintrust Community Banks® provide comprehensive banking, depository, and treasury management services to over 275 public entities in Illinois, including over 80 municipalities. Below is a sampling of government accounts with similar services as those required by the Village of Lake Zurich. Additional references are available upon request.

Remy Navarrete
Finance Director
Village of Hanover Park
2121 Lake Street, Hanover Park, IL 60133
navarrete@hpil.org
P 630 823 5788

Rachel Musiala
Director of Finance
Village of Hoffman Estates
1900 Hassell Road, Hoffman Estates, IL 60169
Rachel.Musiala@vohe.org
P 847 843 4802

Katrina Hanna
Director of Financial Services
Village of Barrington
200 S. Hough Street, Barrington, IL 60010
khanna@barrington-il.gov
P 847 304 3433

Community Reinvestment Act



Barrington Bank & Trust Company, N.A.'s focus and philosophy lends itself to extensive community involvement and support of its public sector and mission-oriented clients in many ways. Village funds on deposit with the Bank remain and are re-invested within the communities we service through consumer loans and other banking services. We are active supporters financially of local organizations, and we are extremely engaged in the communities of our clients.

The most recent CRA report of examination for Barrington Bank & Trust Company, N. A. was June 7, 2021; the Bank received an overall rating of "Outstanding" including a rating of "Outstanding" on all three performance tests for this exam period. The evaluation period was January 1, 2018, through December 31, 2020. A copy of the report is included with this proposal submission.

Community Investment:

Barrington Bank & Trust Company, N.A. supports many organizations that serve the Lake Zurich community, and we are continuously seeking ways to make more loans within our assessment area. The Bank is highly involved in and supportive of Lake Zurich and the surrounding communities. Some examples of our community involvement include:

- Lake Zurich Area Chamber – Legislative Breakfast event sponsor
- Lake Zurich Area Chamber – Annual Golf Outing
- Lake Zurich Area Chamber
 - John Haniotes -Government Relations Committee member since 2017
 - Burke Groom – Board Member /Treasurer 2023/2024. Bank sponsor of Legislative & Mayors Breakfasts since 2018
- Community Expo participant of Lake Zurich Area Chamber for the past 10 years
- Ongoing sponsorship for Summer and Winter reading programs at the Elia Area Library, with prize funds being donated to the local food pantry
- South Lake County Regional Community Emergency Response
- Purple Plunge Local Non-for-profit cancer charity event held at Lake Zurich Paulus Park
 - Hawthorn Woods Community Bank "Avalanche Level Sponsor" Event held on March 2nd, 2024
 - Provided advertisement of the event at our bank community board
- My Density Matters Founder and Breast Cancer Survivor Leslie Yerger giving support those in need battling Breast Cancer
 - October 13th, 2024, Participating at "Paint the Lake Pink"
 - Provided advertisement of the event at our bank community board
- Lake Zurich Family Martial Arts
 - Summer Campers Money Smart lesson
 - Open house/ Vendor sponsor provided game and prizes for families to participate

Financial Support: Wintrust is an active financial supporter of its organizations (non-profit and otherwise) on a consistent basis through donations and sponsorships for various annual giving activities and fundraising events. We hope to engage with the Village in ways that benefit its programs and aligns our brands to produce a positive impact in the community.

Bank Branch Resources: Wintrust makes its facilities available for its municipal and non-profit clients across the footprint for community events and/or board meetings.

Wintrust Community Impact:


The mindset at Wintrust is that we are built on values of commitment and service to our communities, so giving back and getting involved is part of our responsibility. Our Wintrust Community Impact (CI) team builds and strengthens our partnerships across the area, which enables us to maximize our efforts and focus on supporting goals and causes that make the greatest impact. The primary areas of focus of this initiative are as follows:

- Community Engagement
- Economic Development
- Employee Involvement

We hold ourselves accountable by measuring and reporting the impact our work has had in the communities we serve. The following hyperlink provides Wintrust Financial Corporation's 2023 Corporate Responsibility Report.

[Wintrust Community Impact & 2023 Corporate Responsibility Report](#)

Proposed Schedule of Implementation

<div>  </div>			
Wintrust Transition Timeline/Implementation (Open for Discussion)			
SERVICE	EXPECTED SETUP TIME*	RESPONSIBILITY	CRITICAL FACTORS
Initial Meeting		Customer/Bank	<ul style="list-style-type: none"> • Confirm account setup and structure • Treasury Management Discussion to clarify needs and setup
Account Opening Setup	2-7 business days	Customer/Bank	<ul style="list-style-type: none"> • Receipt of signed account documentation • Due to the U.S. PATRIOT Act and CIP (Customer Identification Program) regulations, we must receive all required documentation, properly and fully completed before we open an account
Depository Services	3-14 business days (to receive supplies)	Bank	<ul style="list-style-type: none"> • Deposit Tickets • Endorsement Stamps • Additional Supplies • MICR Spec Sheet are available electronically upon request
Treasury Management Agreements	2-3 business days	Bank	<ul style="list-style-type: none"> • TM Agreements prepared/sent for signatures • Request for test files (NACHA and/or Check Positive Pay)
Signed TM Agreements and Test Files		Customer	IMPORTANT - Receipt of all signed documentation and test files is required to proceed with setup of services
i-BusinessBanking™	5-7 business days	Bank	<ul style="list-style-type: none"> • Services setup • Users and entitlement setup

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Remote Deposit Capture	5-7 business days	Bank	<ul style="list-style-type: none"> • Users and entitlement setup • Scanner sent out to customer
Wire Transfer Services	5-7 business days	Bank	<ul style="list-style-type: none"> • Limits setup • Users and entitlement setup • Wire PIN mail to users • Token setup/mail to users
ACH Origination Services	5-7 business days	Bank	<ul style="list-style-type: none"> • Limits setup • Successful file and uploading tested • Token setup/mail to users
Fraud Prevention: Post No Check Reverse Positive Pay Payee Positive Pay ACH Positive Pay	5-10 business days	Bank	<ul style="list-style-type: none"> • Check file and uploading tested • Companies ACH IDs added to system
ZBA – Zero Balance Account Setup	3-5 business days	Bank	<ul style="list-style-type: none"> • Target Balance Setup
Investment / Sweep Setup	5-7 business days	Bank	<ul style="list-style-type: none"> • Target Balance Setup

*Complex and/or large implementations may take longer than describe above

Proposed Pricing

Service Description	Charge Type	Quoted Price
<u>General Banking Services</u>		
Account Maintenance	<i>Per Month</i>	\$12.00
Checks Paid	<i>Per Item</i>	\$0.10
Deposits	<i>Per Deposit</i>	\$1.50
Deposited Items On Us	<i>Per Item</i>	\$0.10
Deposited Items Transit	<i>Per Item</i>	\$0.10
Cash Deposited	<i>Per \$1 Deposited</i>	\$0.0010
Foreign Check Deposited	<i>Per Item</i>	\$5.00
Deposit Administration Fee	<i>N/A</i>	14.0000%
ACH Credit Received	<i>Per Item</i>	\$0.10
ACH Debit Received	<i>Per Item</i>	\$0.10
Real-Time Payment Credit	<i>Per Item</i>	\$1.00
Incoming Wire Domestic	<i>Per Wire</i>	\$5.00
Deposit Return Item	<i>Per Item</i>	\$7.25
Deposit Return Item Redeposit	<i>Per Item</i>	\$3.75
Remote Check Deposit - I-Business Capture (Optional Service)		
Monthly Maintenance Large Scanner	<i>Per Month</i>	\$75.00
Monthly Maintenance Small Scanner	<i>Per Month</i>	\$50.00
IBC Item	<i>Per Item</i>	\$0.00
Bill Payment Services		
Bill Payment	<i>Per Item</i>	\$0.99
Wire Transfer Services		
Online Outgoing Wire (Domestic)	<i>Per Wire</i>	\$8.00
Outgoing Wire Domestic Email Request	<i>Per Wire</i>	\$60.00
Outgoing Wire-Domestic (Rep/Drawdown/Standard Order)	<i>Per Wire</i>	\$5.00
ACH Origination Services		
ACH Transaction	<i>Per Item</i>	\$0.10
ACH File Upload	<i>Per Upload</i>	\$5.00
ACH Item Upload	<i>Per Item</i>	\$0.10
Same Day ACH Originated Item	<i>Per Item</i>	\$1.00
ACH Return	<i>Per Return</i>	\$7.50
ACH Notification of Change	<i>Per NOC</i>	\$4.50
Posting Restrictions		
Post No Checks		\$5.00
Positive Pay Services		

Payee Check Positive Pay Monthly Maintenance	<i>Per Account</i>	\$50.00
Payee Check Positive Pay Item	<i>Per Item</i>	\$0.10
Check Exception	<i>Per Item</i>	\$1.50
Check Issue Manual Entry	<i>Per Item</i>	\$1.50
ACH Positive Pay Monthly Maintenance	<i>Per Account</i>	\$10.00
ACH Positive Pay Suspect Transaction	<i>Per Item</i>	\$1.20
ACH Positive Pay Return	<i>Per Item</i>	\$0.35
I-Business Banking Online Services		
Monthly Maintenance	<i>Per Month</i>	\$50.00
Additional Accounts (>2 Accounts)	<i>Per Account</i>	\$2.50
Token	<i>Per Month</i>	\$1.50
Online Image Archive	<i>Per Month</i>	\$25.00
Zero Balance Account Services		
Master ZBA Monthly Maintenance	<i>Per Month</i>	\$10.00
Sub ZBA Monthly Maintenance	<i>Per Month</i>	\$15.00
Investment / Sweep Services		
MaxSafe Money Market Sweep	<i>Per Month</i>	\$100.00

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*At the Heart of Community*

COMMUNITY DEVELOPMENT DEPARTMENT

505 Telser Road
Lake Zurich, Illinois 60047Phone (847) 540-1696
Fax (847) 726-2182
LakeZurich.org

MEMORANDUM

Date: January 6, 2025

To: Ray Keller, Village Manager *PK*

From: Sarosh Saher, Community Development Director

CC: Colleen McCauley, Village Planner

**Re: Zoning Application for an Amended Planned Unit Development
Meadow Wood East Single-family Residential Subdivision**

AGENDA ITEM

7a

Issue. Mr. Mike Naumowicz, partnering with consultant, Mr. Kirk Rustman, (the “Applicant”), requests approval to amend the Planned Unit Development (PUD) associated with the subdivision known as Meadow Wood East, legally described in Exhibit A attached hereto (the “Subject Property”).

Mr. Mike Naumowicz is the contract purchaser of the Subject Property. The owner of the Subject Property is Ms. Mary Christine Misik.

Specifically, the Applicant is seeking approval of the following:

1. A request to amend the Planned Unit Development (PUD) authorized by Ordinance No. 2004-09-307A
2. Approval of a Development Concept Plan to develop the Subject Property with fifteen (15) single-family residences
3. Rezoning the Subject Property within the R-5 Single-family Residential District
4. Exterior Appearance and Site Plan Approval consistent with the proposed Development Concept Plan
5. The grant of modifications to the Zoning Code under the PUD, related to certain bulk requirements for single-family residential development
6. Resubdivision of the Subject Property to provide for fifteen (15) single-family lots

2014-2019 Strategic Plan: This agenda item is consistent with the following objectives under Goal #2 – Development:

- Become more business friendly and customer oriented.

Meadow Wood East
January 6, 2025

Background. The Subject Property was originally annexed into the Village in September of 2004. Development of the property was approved through a PUD that provided for 76 townhouses on the far west side of the Subject Property along Rand Road and 9 single-family lots located at the east side of the subdivision.

The townhomes were completed by Pulte Homes between 2004 and 2006. As part of the Declaration of Covenants, Restrictions, and Easements, the Home Owners Association of the townhouse component is responsible for the protection and maintenance of the wetland areas and stormwater management facilities within the Open Space on the larger property.

The remaining 8-acre portion to the east was platted for 9 single-family homes, zoned within the R-4 single-family residential district. Access to this portion was provided off Manchester Road. In addition to the 9 single-family lots, there are two additional outlots – one set up as a buffer between the Subject Property and the residential properties to the east that lie within the Village of Hawthorn Woods, and a second outlot that serves as a buffer and detention basin area between the residential lots and the open space located to the west that contains the wetland area. This portion of the subdivision, commonly referred to as Meadow Wood East, has remained undeveloped and is now the subject of the PUD amendment.

The Applicant proposes to resubdivide the Subject Property to increase the number of lots from 9 to 15, and to rezone the Subject Property within the R-5 single-family residential district. The Applicant proposes to complete the necessary site improvements such as stormwater detention, construction of the roadway and utility infrastructure and offer the available lots to custom home builders.

Analysis. The Subject Property is currently subdivided and zoned for 9 single-family homes classified within the R-4 single-family residential district which provides for 15,000 square-foot lots. As currently entitled, the development can proceed without any restrictions other than those required by the underlying R-4 zoning district (setbacks, building coverage, minimum landscape surface area, etc.) and the adopted building codes for health and safety (building, electrical, plumbing and HVAC, etc).

Current allowances for the 9 lots:

- Each of the nine single-family lots can be developed independently with a residential structure, with no time constraints on when the construction may begin or be completed.
- Access to the nine lots is platted by means of Manchester Road to the south. The current PUD does not require any off-site improvements to Manchester Road.
- No additional stormwater management is required other than what was approved by the PUD in 2004. Potential builders of the lots will not be required to redesign the detention basins based on current stormwater rainfall numbers.
- No additional landscaping buffering or screening are required to screen the existing residences to the south.

Proposal.

Meadow Wood East
January 6, 2025

The Applicant proposes to resubdivide the Subject Property to increase the number of lots from 9 to 15, and to rezone the Subject Property within the R-5 single-family residential district that provides for 10,000 square-foot lots. The Applicant plans to complete the necessary site improvements and offer the available lots to custom home builders. These changes require an amendment to the 2004 PUD, which gives the Village the ability to include additional necessary conditions that regulate the development of the site and structures, as well as mitigate its impact on the surrounding properties.

- While there is no legal mechanism to compel the construction of buildings on each individual lot, staff is recommending that the site, stormwater improvements and individual building construction be completed in a two-year time period during which the development will be subject to the current stormwater requirements (rainfall numbers), building codes and fees. Following the expiration of such 2-year time period, the developer and future home builders will be subject to the stormwater requirements, building codes and fees that are effective at that time when permits are requested.
- All new stormwater management features will be required to be completed using the current requirements of the Lake County Watershed Development Ordinance (WDO) including the use of updated rainfall numbers that will serve to further mitigate any flooding issues.
- The southerly lot line of the Subject Property will be required to contain a landscape buffer with year-round landscape material and a permanent fence to properly screen the development from the residences to the south.
- The developer will be required to repave Manchester Road upon completion of the site improvements as this is proposed to be the sole vehicular entry into the Development area and as such, will also provide access for all construction material and equipment. As construction proceeds into the site, all staging and storage of materials will be required to be stored and maintained on site to minimize any negative impact on the existing residences to the south.

The Planning and Zoning Commission (PZC) considered the application at a public hearing held on October 16, 2024. At the hearing, residents from the subdivision to the south shared their comments and concerns on the project related to screening of the development, stormwater management, construction management and the potential of placing a time limit on the construction of homes to minimize the impact of construction on homes along Manchester Road.

Following the close of the public hearing and deliberation, the PZC voted 7-0 to recommend approval of the rezoning and resubdivision of the single-family lots with the additional condition that a time limit on the period of construction be considered to minimize the impact on residents to the south on Manchester Road. The videos from the two PZC meeting can be accessed via the following link:

<https://play.champds.com/lakezurichil/event/137>

The detailed evaluation and summary of the project can be found in the Staff Reports that were provided to the Planning and Zoning Commission, which are a part of the attached Ordinance.

Meadow Wood East
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Recommendation. At their meeting on October 16, 2024, the Planning and Zoning Commission recommended approval of the development concept plan incorporating the additional condition along with conditions for approval provided by staff in its report.

Staff therefore recommends approval of the attached ordinance based on the following conditions for approval that are contained within the accompanying approval ordinance.

1. Substantial conformance with the following documentation submitted as part of the application subject to revisions required by Village Staff, Village Engineer, Village Landscape Consultants and applicable governmental agencies:
 - a. Zoning Application and Cover Letter dated August 8, 2024, prepared by Mr. Mike Naumowicz.
 - b. Legal Description of the Subject Property (Exhibit A).
2. Development Concept Plan documents (attached hereto as Exhibit B) comprising the following:
 - a. Vacant Land Contract of Purchase signed by Mr. Mike Naumowicz and Ms. Mary Christine Misik for the Subject Property, prepared by Main Street Organization of Realtors dated June 20, 2024.
 - b. ALTA/ACSM Land Title Survey prepared by Illinois Professional Land Surveyor No. 2639, dated May 19, 2005.
 - c. Planning and Zoning Commission Submittal prepared by Mike Naumowicz consisting of the following exhibits:
 - i. Single-Family Subdivision Rendering
 - ii. Single-Family Home Renderings
 - iii. Street Lighting Plan
 - d. Preliminary Plat of Resubdivision of Meadow Wood East Pages 1-2, prepared by Haeger Engineering dated August 19, 2024 and last revised on November 1, 2024.
 - e. Preliminary Engineering Improvement plans, Pages 1-14, prepared by Haeger Engineering LLC, dated August 19, 2024 and last updated on November 6, 2024 including the following documents:
 - i. Existing Conditions Plan
 - ii. Preliminary Site Geometry Plan
 - iii. Preliminary Site Grading Plan
 - iv. Preliminary Site Utility Plan
 - v. Preliminary Site typical Details
 - vi. Preliminary Site Stormwater Pollution Prevention Plan (SWPPP) and notes.
 - vii. Fire Truck and Deliver Truck and Garbage Truck Routing Exhibits
 - f. Meadow Wood Preliminary Landscape Plan prepared by Pugsley & Lahaie LTD Landscape Architects and Contractors dated June 21, 2004.
 - g. Preliminary Stormwater Management Submittal prepared by Haeger Engineering, dated November 6, 2024.
 - h. Preliminary Wetland Assessment prepared by DK Environmental Services, Inc (DKES) dated July 9, 2024.

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- i. Ecological Compliance Assessment Tool (EcoCat) through the IDNR prepared by Haeger Engineering LLC dated October 16, 2024.
 - j. HardiePlank Lap Siding general information dated September of 2019.
 - k. Street lighting Morati Series Post Top Light by Rugged Grade information.
 - l. Stone Master Grey-Mix Roma Manufactured Stone Veneer Siding visual and spec sheet.
3. The Developer shall submit a Final Plan to the Village to particularize the details of the required on-site improvements related to the development of the Subject Property including public roadway construction, stormwater management and flood mitigation, and pedestrian sidewalk construction. Such Final Plan shall also include a Final Plat of Subdivision delineating the final configuration of lots and public streets within the subdivision.
4. All stormwater runoff generated by the development of the Subject Property shall require Village approval and be drained to the required detention basins. No surface runoff shall be permitted to directly drain to the existing residential properties to the south.
5. The building elevation design and use of building materials for all new single-family residences within the Subject Property shall follow the anti-monotony policies and requirements of the Village.
6. The Developer shall establish a homeowners association (the "HOA"), prior to the issuance of any certificate of occupancy or sale of a unit or any interest in the Subject Property, which will be responsible for upkeep of the private common areas including the on-site detention facilities and landscape material within common open space. The provisions for such HOA shall be established prior to approval of the Final Plan as defined in Section 9-22-4.C of the Lake Zurich Zoning Code (the "Final Plan"), and shall be subject to the review and approval of the Village.
7. As part of Final Plan approval, the Developer shall enter into a binding development agreement with the Village which shall incorporate those terms and conditions for development as outlined in the "Annexation and Development Agreement by and between the Village of Lake Zurich, Mary Chris Misik, and Insignia Homes, LLC (Meadow Wood Subdivision," dated August 5, 2005, as they pertain to the Subject Property, including but not limited to agreeing to install all the required improvements and providing surety for such improvements by means of a Letter of Credit and in a format as approved by the Village. In addition to the requirements outlined in Chapter 5 of the Land Development Code entitled "Procedure for Subdivision Approval," which are applicable to a PUD, specifically Section 10-5-7 entitled "Agreements and Guarantee of Improvements," such agreement shall additionally contain the following additional provision:
 - a. Establishment of a "backup" open space and stormwater management Special Service Area (SSA) to ensure that these areas and features on the Subject Property are cared for and maintained in the event of a future HOA dissolution or its lack of required maintenance of these areas.

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January 6, 2025

8. The Developer shall be responsible for payment of all Development Impact Contributions, as set forth in Title 10 of the Lake Zurich Municipal entitled "Land Development Code" as a condition of the approval of the PUD and Final Plat. The school impact contributions, and library impact contributions are paid pro-rata and due at the time a building permit is issued for the applicable building and shall include the fees for all units contained within each residential building specifically denoted as follows:
 - a. The required school development impact contribution:
 - 1 to 3-bedroom home - \$2,545.80
 - 4-bedroom home - \$4,336.95
 - 5-bedroom home - \$5,206.50
 - b. The required library development impact per dwelling unit: - \$125.00
9. Prior to the issuance of any building permit for the Property, the Owner shall pay to the Village, at the time a building permit is issued for each of the first through fourteen single-family dwelling units in the Single-Family Parcel, a park land contribution of \$8,124.00 for each single-family dwelling unit containing up to 4 bedrooms, in lieu of the required donation of park land. Homes proposed with an excess of 4 bedrooms shall pay a park land donation of \$10,044.00 per dwelling unit.
10. The southerly lot line of the Subject Property shall contain a landscape buffer with year-round landscape material and a permanent fence to properly screen the development from the residences to the south. Such landscape buffer and fence shall be denoted on the Final Landscape Plans for consideration by the Village Board prior to Final Plan approval.
11. All streets within the subdivision shall be constructed according to Village construction standards applicable to public streets, and shall be dedicated to the Village of Lake Zurich upon substantial completion of the subdivision.
12. As construction proceeds into the site, all staging and storage of materials shall be accomplished and maintained on the Subject Property to minimize any negative impact on the existing residences to the south.
13. Upon substantial completion of the development and as determined by the Village Engineer and Public Works Director, a designated portion of Manchester Road shall be re-surfaced to the specifications of the village.
14. The time schedule for completion of all site improvements including mass grading, onsite and offsite utilities and roadway construction including road subgrades, curb, gutter, base street pavement and individual building construction shall not exceed two (2) years from the date of issuance of the Site Improvements Engineering Permit. During this time period, the development shall be subject to the current rainfall numbers specified by the Lake County Watershed Development Ordinance (WDO), permit fees, development impact contributions

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January 6, 2025

and building codes effective on the date of issuance of such Site Improvements Engineering Permit.

All site improvements and construction of individual buildings as described herein conducted following the expiration of the two (2) year time period shall be subject to the WDO requirements, fees and codes effective at that time.

15. No modification shall be deemed an amendment to the Development Agreement if the modification is being pursued in accordance with the Lake Zurich Zoning Code and the Lake Zurich Municipal Code and is approved by the Village in accordance therewith.
 16. The development as a PUD shall be in compliance with all other applicable codes and ordinances of the Village of Lake Zurich, including general and continuing compliance with Title 10 of the Village Code, the Land Development Code, and all of the engineering and land improvement requirements, standards and specifications including those set forth in Chapter 6 of said Land Development Code, unless otherwise approved or provided for in the final engineering plans for the Subject Property.
- Approval Ordinance including the following exhibits:
 - Exhibit A – Legal description of the Subject Property
 - Exhibit B – PUD Ordinance Exhibits – Development Concept Plan
 - Exhibit C – October 16, 2024 staff reports and planning and zoning commission final recommendation/conditions

VILLAGE OF LAKE ZURICH



ORDINANCE NO. 2025-01-600

**AN ORDINANCE GRANTING APPROVAL OF A PLANNED UNIT
DEVELOPMENT, AMENDMENT TO THE OFFICIAL ZONING MAP,
PRELIMINARY PLAT, DEVELOPMENT CONCEPT PLAN, SPECIAL USE
PERMITS AND MODIFICATIONS TO THE ZONING AND LAND
DEVELOPMENT CODE
FOR A RESIDENTIAL SUBDIVISION
*Meadow Wood East – Manchester Road***

WHEREAS, Mr. Kirk Rustman, the consultant for and on behalf of Mr. Mike Naumowicz the Applicant and Developer (the “Applicant” and “Developer”) for a Planned Unit Development (the “PUD”) for the property commonly referred to as Meadow Wood East, said Property legally described in Exhibit A hereto (“Subject Property”); and

WHEREAS, the owner of the Subject Property is Ms. Mary Christine Misik, and has provided her written consent to allow Applicant to apply for the current requested development approvals for the Subject Property; and

WHEREAS, the Subject Property is approximately 8 acres in size and is currently subdivided into nine (9) single-family residential lots classified within the R-4 single-family residential district; and

WHEREAS, the Applicant proposes to take the necessary steps to resubdivide the Subject Property into fifteen (15) single-family residential lots and rezone and reclassify such lots within the R-5 single-family residential district; and

WHEREAS, Applicant will complete the necessary subdivision site improvements including, but not limited to, construction of the roadway and utility infrastructure (the “Development”) and offer the available lots to custom home builders for the construction of new single-family homes; and

WHEREAS, the Applicant seeks approval of its required development concept plan (“Development Concept Plan”) the rezoning and related zoning approvals for the Subject Property, as further described herein, as part of and meeting the standards for a planned unit development (“PUD”), and the Lake Zurich Zoning Code (the “Code”), said plan to be approved as a PUD attached hereto and made a part hereof as Exhibit B; and

WHEREAS, in compliance with the law, and the requirements of the Zoning Code, notice of a public hearing was published on September 28, 2024, in *The Daily Herald*, and the Village posted a public hearing sign on the Subject Property on September 24, 2024, both the newspaper and sign notices informing the public of a public hearing to be held before the Lake Zurich Planning and Zoning Commission ("PZC") on October 16, 2024, to consider the Application for these requested zoning approvals; and

WHEREAS, the PZC opened the required public hearing on October 16, 2024, and received the reports prepared by the Village staff dated October 16, 2024 consisting of 20 pages, (the "STAFF REPORT") which was provided to the PZC for the hearings, and considered the request for the approval of the Development Concept Plan as a PUD, Zoning Map amendment, a special use permit and Site Plan and Exterior Appearance Review required under applicable provisions of the Village Zoning Code of the Village of Lake Zurich ("Code"), including Subsection E of Section 9-3-3 of Chapter 3, Section 9-18-3 of Chapter 18, Sections 9-19-3 and 9-19-4 of Chapter 19, Section 9-20-3 of Chapter 20, Section 9-21-3 of Chapter 21, and Sections 9-22-4 and 9-22-5 of Chapter 22, all contained within the Code, and after the conclusion of its public hearing, the PZC recommended that the Board of Trustees approve the zoning approvals requested in this Application, subject to those conditions of approval recommended by Village staff and as set forth herein; and

WHEREAS, the President and Board of Trustees of the Village of Lake Zurich met on January 6, 2025, to consider the Application, findings and conditions of the PZC; and

WHEREAS, the President and Board of Trustees considered the findings, conditions and recommendations of the PZC, including the STAFF REPORT, said required zoning standards, findings and recommendations attached hereto as Exhibit C including:

1. A request to amend the Planned Unit Development (PUD) authorized by Ordinance No. 2004-09-307A as provided herein
2. Approval of a Development Concept Plan to develop the Subject Property with fifteen (15) single-family residences
3. Rezoning the Subject Property within the R-5 Single-family Residential District
4. Exterior Appearance and Site Plan Approval consistent with the proposed Development Concept Plan
5. The grant of modifications to the Zoning Code under the PUD, related to certain bulk requirements for single-family residential development
6. Completion of the steps to resubdivide the Subject Property into fifteen (15) single-family lots

and having considered all of the facts and circumstances affecting the Application and these approvals, the President and Board of Trustees have determined that the applicable zoning standards have been met by the Applicant.

NOW, THEREFORE, BE IT ORDAINED by the President and Board of Trustees of the Village of Lake Zurich, Lake County, Illinois, as follows:

SECTION 1: ADOPTION AND INCORPORATION OF RECITALS. The foregoing recitals, findings, recommendations, exhibits, required standards and plans as addressed by the PZC and in the STAFF REPORT dated October 16, 2024 are incorporated herein as the findings and requirements of the President and Board of Trustees, and all Exhibits referenced herein are made a part of and incorporated into this Ordinance and related approvals, except as otherwise provided below.

SECTION 2: APPROVAL AND GRANT OF MAP AMENDMENT, THE DEVELOPMENT CONCEPT PLAN FOR A PUD, AND PLAN MODIFICATIONS AND CONDITIONS. The President and Board of Trustees, pursuant to the authority vested in them under the laws of the State of Illinois and applicable standards and provisions of the Village Code, including Chapters 18, 19, 20, 21 and 22 of the Lake Zurich Zoning Code, hereby grant the following zoning approval(s), as further detailed in the STAFF REPORT dated October 16, 2024, including the final findings and recommendations and conditions of the PZC, and the additional Staff report to the Board dated January 6, 2025:

- A. An amendment to the Zoning Map of the Village of Lake Zurich to rezone the Subject Property from R-4 Single-Family Residential District to R-5 Single-family Residential District, in accordance with the procedures and standards set forth in Chapter 18, Section 9-18-2 entitled "Procedure" and 9-18-3 of the Zoning Code of the Village of Lake Zurich entitled "Standards for Amendments, including general conformance with the Comprehensive Plan for this Subject Property and the Village of Lake Zurich subject to the PUD and Development Concept Plan for the Subject Property.
- B. The Development Concept Plan for the Subject Property, approved as an Amendment of prior PUD Ordinance No. 2004-09-307A, such Development Concept Plan being attached hereto and made a part hereof as Exhibit B, to authorize a Single-family residential subdivision in accordance with the standards for the grant of a PUD as a special use set forth at Chapter 19, Section 9-19-3 of the Zoning Code of the Village of Lake Zurich entitled "Standards for Special Use Permits," in accordance with the procedures for a planned unit development concept plan set forth at Chapter 22, Section 9-22-4 of the Zoning Code of the Village of Lake Zurich and in accordance with the standards for the grant of a planned unit development set forth at Chapter 22, Section 9-22-5 of the Zoning Code of the Village of Lake Zurich entitled "Standards for Planned Unit Developments."
- C. Completion of the necessary steps to cause the resubdivision of approximately 8 acres of the easterly portion of Meadow Wood East Final Plat of Subdivision recorded as Document No. 5881470 with the Lake County Recorder on October 24, 2005; to complete the procedures for a new subdivision plat to create fifteen (15) single-family lots.

- D. The foregoing approvals, including the Development Concept Plan for the PUD, pursuant to Section 9-19-4, shall be further subject to the following conditions:
1. Substantial conformance with the following documentation submitted as part of the application subject to revisions required by Village Staff, Village Engineer, Village Landscape Consultants and applicable governmental agencies:
 - a. Zoning Application and Cover Letter dated August 8, 2024, prepared by Mr. Mike Naumowicz.
 - b. Legal Description of the Subject Property (Exhibit A).
 2. Development Concept Plan documents (attached hereto as Exhibit B) comprising the following:
 - a. Vacant Land Contract of Purchase signed by Mr. Mike Naumowicz and Ms. Mary Christine Misik for the Subject Property, prepared by Main Street Organization of Realtors dated June 20, 2024.
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 - e. Preliminary Engineering Improvement plans, Pages 1-14, prepared by Haeger Engineering LLC, dated August 19, 2-024 and last updated on November 6, 2024 including the following documents:
 - i. Existing Conditions Plan
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 - vii. Fire Truck and Deliver Truck and Garbage Truck Routing Exhibits
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 - j. HardiePlank Lap Siding general information dated September of 2019.
 - k. Street lighting Morati Series Post Top Light by Rugged Grade information.

1. Stone Master Grey-Mix Roma Manufactured Stone Veneer Siding visual and spec sheet.
3. The Developer shall submit a Final Plan to the Village to particularize the details of the required on-site improvements related to the development of the Subject Property including public roadway construction, stormwater management and flood mitigation, and pedestrian sidewalk construction. Such Final Plan shall also include a Final Plat of Subdivision delineating the final configuration of lots and public streets within the subdivision.
4. All stormwater runoff generated by the development of the Subject Property shall require Village approval and be drained to the required detention basins. No surface runoff shall be permitted to directly drain to the existing residential properties to the south.
5. The building elevation design and use of building materials for all new single-family residences within the Subject Property shall follow the anti-monotony policies and requirements of the Village.
6. The Developer shall establish a homeowner's association (the "HOA"), prior to the issuance of any certificate of occupancy or sale of a unit or any interest in the Subject Property, which will be responsible for upkeep of the private common areas including the on-site detention facilities and landscape material within common open space. The provisions for such HOA shall be established prior to approval of the Final Plan as defined in Section 9-22-4.C of the Lake Zurich Zoning Code (the "Final Plan"), and shall be subject to the review and approval of the Village.
7. As part of Final Plan approval, the Developer shall enter into a binding development agreement with the Village which shall incorporate those terms and conditions for development as outlined in the "Annexation and Development Agreement by and between the Village of Lake Zurich, Mary Chris Misik, and Insignia Homes, LLC (Meadow Wood Subdivision," dated August 5, 2005, as they pertain to the Subject Property, including but not limited to agreeing to install all the required improvements and providing surety for such improvements by means of a Letter of Credit and in a format as approved by the Village. In addition to the requirements outlined in Chapter 5 of the Land Development Code entitled "Procedure for Subdivision Approval," which are applicable to a PUD, specifically Section 10-5-7 entitled "Agreements and Guarantee of Improvements," such agreement shall additionally contain the following additional provision:
 - a. Establishment of a "backup" open space and stormwater management Special Service Area (SSA) to ensure that these areas and features on the Subject Property are cared for and maintained in the event of a future HOA dissolution or its lack of required maintenance of these areas.

8. The Developer shall be responsible for payment of all Development Impact Contributions, as set forth in Title 10 of the Lake Zurich Municipal entitled "Land Development Code" as a condition of the approval of the PUD and Final Plat. The school impact contributions, and library impact contributions are paid pro-rata and due at the time a building permit is issued for the applicable building and shall include the fees for all units contained within each residential building specifically denoted as follows:
 - a. The required school development impact contribution:
 - 1 to 3-bedroom home - \$2,545.80
 - 4-bedroom home - \$4,336.95
 - 5-bedroom home - \$5,206.50
 - b. The required library development impact per dwelling unit: - \$125.00
9. Prior to the issuance of any building permit for the Property, the Owner shall pay to the Village, at the time a building permit is issued for each of the first through fourteen single-family dwelling units in the Single-Family Parcel, a park land contribution of \$8,124.00 for each single-family dwelling unit containing up to 4 bedrooms, in lieu of the required donation of park land. Homes proposed with an excess of 4 bedrooms shall pay a park land donation of \$10,044.00 per dwelling unit.
10. The southerly lot line of the Subject Property shall contain a landscape buffer with year-round landscape material and a permanent fence to properly screen the development from the residences to the south. Such landscape buffer and fence shall be denoted on the Final Landscape Plans for consideration by the Village Board prior to Final Plan approval.
11. All streets within the subdivision shall be constructed according to Village construction standards applicable to public streets, and shall be dedicated to the Village of Lake Zurich upon substantial completion of the subdivision.
12. As construction proceeds into the site, all staging and storage of materials shall be accomplished and maintained on the Subject Property to minimize any negative impact on the existing residences to the south.
13. Upon substantial completion of the development and as determined by the Village Engineer and Public Works Director, a designated portion of Manchester Road shall be re-surfaced to the specifications of the village.
14. The time schedule for completion of all site improvements including mass grading, onsite and offsite utilities and roadway construction including road subgrades, curb, gutter, base street pavement and individual building construction shall not exceed two (2) years from the date of issuance of the Site Improvements Engineering Permit. During this time period, the development shall be subject to the current rainfall numbers specified by the Lake County

Watershed Development Ordinance (WDO), permit fees, development impact contributions and building codes effective on the date of issuance of such Site Improvements Engineering Permit.

All site improvements and construction of individual buildings as described herein conducted following the expiration of the two (2) year time period shall be subject to the WDO requirements, fees and codes effective at that time.

15. No modification shall be deemed an amendment to the Development Agreement if the modification is being pursued in accordance with the Lake Zurich Zoning Code and the Lake Zurich Municipal Code and is approved by the Village in accordance therewith.
16. The development as a PUD shall be in compliance with all other applicable codes and ordinances of the Village of Lake Zurich, including general and continuing compliance with Title 10 of the Village Code, the Land Development Code, and all of the engineering and land improvement requirements, standards and specifications including those set forth in Chapter 6 of said Land Development Code, unless otherwise approved or provided for in the final engineering plans for the Subject Property.

SECTION 3: MODIFICATIONS FROM THE PROVISIONS OF THE ZONING CODE. The President and Board of Trustees, pursuant to the authority vested in them under the laws of the State of Illinois and the Lake Zurich Zoning Code specifically including Chapter 22, hereby grant the following modifications to such Codes:

- A. The Applicant is granted a modification to Sections 9-3-11.B.1.b which provides for a minimum lot area of no less than 10,000 square feet, said modification authorizing the construction of new single-family residential buildings on lots 5, 6, 7 and 8 with a minimum lot area of 9,154 square feet.
- B. The Applicant is granted a modification to Sections 9-3-11.B.3 which provides for a minimum lot width of 75 feet, said modification authorizing the construction of new single-family residential buildings with a minimum lot width of 63 feet.
- C. The Applicant is granted a modification to Sections 9-3-11.C.1.b which provides for a minimum corner side of 30 feet, said modification authorizing the construction of new single-family residential buildings on lots 5 and 15 with a minimum corner side yard of 15 feet.

SECTION 4: FINDINGS IN SUPPORT OF APPROVAL OF GRANT OF SPECIAL USE PERMITS, PUD, MAP AMENDMENT, SITE PLAN AND EXTERIOR APPEARANCE REVIEWS. The findings, conditions and recommendations as set forth in the STAFF REPORT, and final findings and recommendations of the PZC dated October 16, 2024, and additional Staff report to the Board dated January 6, 2025, are hereby accepted as

the Board's own, are incorporated herein by this reference and shall be made a part of the official record for the Application.

SECTION 5: COMPLIANCE WITH ORDINANCE AND ALL CODES. Except as otherwise specifically provided in writing in advance by the Village, no work may be commenced on the Subject Property pursuant to the approvals granted in this Ordinance until all conditions precedent of this Ordinance to such work have been fulfilled and after all permits, approvals, and other authorizations for such work have been properly applied for, paid for, and granted in accordance with applicable law. As well, Applicant shall have no right to final approvals or permits for use and occupancy of the Subject Property until all work and requirements provided for hereinabove are properly completed. Ongoing maintenance in good repair, consistent with these approvals, shall be required at all times. Any failure or delay in the Village enforcing the above provisions of this Ordinance shall not act as a waiver of the right to enforce, nor affect the enforcement of any other requirement, condition or provision herein.

SECTION 6: SEVERABILITY. If any section, paragraph, subdivision, clause, sentence or provision of this Ordinance shall be adjudged by any Court of competent jurisdiction to be invalid, such judgment shall not affect, impair, invalidate or nullify the remainder thereof, which remainder shall remain and continue in full force and effect.

SECTION 7: CONFLICTS. All ordinances or parts of ordinances in conflict herewith are hereby repealed to the extent of such conflict.

SECTION 8: EFFECTIVE DATE. This Ordinance shall be in full force and effect upon its passage and approval and publication, as provided by law.

SECTION 9: LIMITATIONS. Subject to an extension of time granted by the village manager, the special use permit for the subject planned unit development shall be valid for a period no longer than two (2) years unless a building permit is issued and construction is actually begun within that period and is thereafter diligently pursued to completion. In the event of the expiration of the Final Plan for the planned unit development, the village further reserves the right to vacate the proposed plat of subdivision thereafter causing the property to revert to and be subject to the current final plat of subdivision recorded as Document No. 5881470 with the Lake County Recorder on October 24, 2005.

SECTION 10: BINDING EFFECT; SUCCESSION IN INTEREST. This Ordinance shall constitute a covenant running with the land and be binding upon and inure to the benefit of the parties hereto, their successors in interest, assignees, lessees, and upon any successor municipal authorities of the Village and successor municipalities. Except as otherwise expressly provided herein, upon the conveyance or assignment by Applicant of its interest in the Subject Property to any successor, assign or nominee, Applicant shall be released from any and all further liability or responsibility under this Ordinance except to the extent previously undertaken by Applicant, or for which Applicant has posted security to perform an obligation in which case Applicant shall be bound to continue to complete its performance unless a replacement bond or letter of credit is posted by the

new owner or Applicant, and accepted by the Village, which shall not be unreasonably withheld. In such event, the Applicant shall be released from the underlying obligation to perform. The Village shall thereafter look only to the successor, assign, or nominee of duties and obligations of Applicant hereby undertaken.

PASSED THIS _____ day of _____, 2025.

Ayes:

Nays:

Absent:

Abstain:

APPROVED this ____ day of _____, 2025.

Village President
Tom Poynton

ATTEST:

Village Clerk
Kathleen Johnson

EXHIBIT A

Legal description of Property

THAT PART OF THE NORTH HALF OF THE SOUTHEAST QUARTER OF SECTION 7, TOWNSHIP 43 NORTH, RANGE 10 EAST OF THE THIRD PRINCIPAL MERIDIAN, DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHWEST CORNER OF THE NORTH HALF OF SAID SOUTHEAST QUARTER OF SECTION 7: THENCE SOUTH 89 DEGREES 17 MINUTES 24 SECONDS EAST ALONG THE SOUTH LINE OF THE NORTH HALF OF SAID SOUTHEAST QUARTER OF SECTION 7, A DISTANCE OF 860.94 FEET; THENCE NORTH 12 DEGREES 40 MINUTES 32 SECONDS WEST, 47.23 FEET; THENCE NORTH 31 DEGREES 54 MINUTES 58 SECONDS WEST, 82.07 FEET; THENCE NORTH 34 DEGREES 08 MINUTES 35 SECONDS WEST, 44.06 FEET; THENCE NORTH 14 DEGREES 54 MINUTES 33 SECONDS WEST, 31.54 FEET; THENCE NORTH 12 DEGREES 26 MINUTES 26 SECONDS WEST, 92.08 FEET; THENCE NORTH 21 DEGREES 06 MINUTES 49 SECONDS WEST, 103.04 FEET; THENCE NORTH 18 DEGREES 00 MINUTES 10 SECONDS WEST, 58.68 FEET; THENCE NORTH 40 DEGREES 11 MINUTES 60 SECONDS WEST, 68.64 FEET; THENCE NORTH 07 DEGREES 40 MINUTES 50 SECONDS WEST, 108.98 FEET; THENCE NORTH 00 DEGREES 42 MINUTES 36 SECONDS WEST, 85.88 FEET TO THE NORTH LINE OF THE SOUTH 660.00 FEET OF THE NORTH HALF OF THE SOUTHEAST QUARTER OF AFORESAID SECTION 7: THENCE SOUTH 89 DEGREES 17 MINUTES 24 SECONDS EAST ALONG SAID NORTH LINE 866.67 FEET TO THE POINT OF BEGINNING; THENCE SOUTH 56 DEGREES 48 MINUTES 46 SECONDS WEST, 75.37 FEET; THENCE SOUTH 44 DEGREES 50 MINUTES 39 SECONDS WEST, 95.48 FEET; THENCE SOUTH 66 DEGREES 04 MINUTES 11 SECONDS WEST, 94.70 FEET; THENCE SOUTH 37 DEGREES 09 MINUTES 58 SECONDS WEST, 78.78 FEET; THENCE SOUTH 17 DEGREES 45 MINUTES 12 SECONDS WEST, 137.20 FEET; THENCE SOUTH 26 DEGREES 50 MINUTES 58 SECONDS WEST, 106.93 FEET; THENCE SOUTH 06 DEGREES 15 MINUTES 12 SECONDS WEST, 90.26 FEET; THENCE SOUTH 05 DEGREES 43 MINUTES 17 SECONDS WEST, 99.51 FEET; THENCE SOUTH 00 DEGREES 42 MINUTES 36 SECONDS WEST, 30.45 FEET TO THE AFORESAID SOUTH LINE OF THE NORTH HALF OF THE SOUTHEAST QUARTER OF SECTION 7; THENCE SOUTH 89 DEGREES 17 MINUTES 24 SECONDS EAST ALONG SAID SOUTH LINE, 518.03 FEET TO THE WEST LINE OF THE EAST 761.60 FEET OF THE NORTH HALF OF THE SOUTHEAST QUARTER OF SAID SECTION 7; THENCE NORTH 00 DEGREES 00 MINUTES 00 SECONDS EAST ALONG SAID WEST LINE, 660.00 FEET OF THE NORTH HALF OF THE SOUTHEAST QUARTER OF SECTION 7; THENCE NORTH 89 DEGREES 17 MINUTES 24 SECONDS WEST ALONG SAID NORTH LINE, 243.14 FEET TO THE POINT OF BEGINNING, IN LAKE COUNTY, ILLINOIS.

EXHIBIT B

PUD Ordinance Exhibits – Development Concept Plan

EXHIBIT C

October 16, 2024 staff reports and planning and zoning commission final
recommendation/conditions





ZONING APPLICATION

Community Development Department
505 Telser Rd.
Lake Zurich, IL 60047
Phone: (847) 540-1696
Fax: (847) 540-1769

(Please Type or Print)

1. Address of Subject Property: 0 Manchester Meadowood Subdivision East
2. Please attach complete legal description
3. Property Identification number(s): 14074020420000
4. Owner of record is: Mike Naumowicz Phone: 847-323-3388
E-Mail newmacc@aol.com Address: 241 Golf Mill Center STE 526 Niles IL
5. Applicant is (if different from owner): _____ Phone: _____
E-Mail _____ Address: _____
6. Applicant's interest in the property (owner, agent, realtor, etc.): owner
7. All existing uses and improvements on the property are: vacant land
8. The proposed uses on the property are: single family residential homes
9. List any covenants, conditions, or restrictions concerning the use, type of improvements, setbacks, area, or height requirements placed on the Subject Property and now of record and the date of expiration of said restrictions:

10. Describe any contract or agreement of any nature relevant to the sale or disposal of the Subject Property:

11. For applications requiring a public hearing, please attach a list which contains the PIN, owner, and owner's mailing address of all properties located within 250 feet (excluding all Public Right-of-Ways) of the Subject Property.

THE APPLICANT'S SIGNATURE BELOW INDICATES THE INFORMATION CONTAINED IN THIS APPLICATION AND ON ANY ACCOMPANYING DOCUMENTS IS TRUE AND CORRECT.
THE APPLICANT ALSO ACKNOWLEDGES IF THE CONSULTANT EXPENSES EXCEED THE INITIAL ESCROW DEPOSIT, THE APPLICANT WILL REIMBURSE THE ACCOUNT IMMEDIATELY.

Mike Naumowicz
(Name of applicant)

Michael Naumowicz
(Signature of applicant)

Subscribed and sworn to before me this 22 day of July, 2024.

[Signature]
(Notary Public)



My Commission Expires _____

Mary Christine Misik
(Name of Owner, if different)

(Signature of Owner, if different)

Subscribed and sworn to before me this _____ day of _____, 2024.

(Notary Public)

My Commission Expires _____

Please indicate what zoning relief your application requires. For assistance, please contact Staff.

☒ Zoning Code **Map** Amendment to change zoning of Subject Property from R4 to R5

☐ Zoning Code **Text** Amendment to amend the following section(s) of the Zoning Code _____

(See Section 18-103 of the Lake Zurich Zoning Code for specific standards. If a specific parcel is the subject of this amendment, then provide the additional information listed in Section 18-103C.)

☐ Special Use Permit/Amendment for _____

(See Section 19-103 of the Lake Zurich Zoning Code for specific standards.)

☐ Planned Unit Development/Major Adjustment/Amendment

(Planned Unit Developments are a distinct category of special use and are intended to create a more desirable environment than through strict application of the zoning and subdivision regulations. See Section 22-105 of the Lake Zurich Zoning Code for specific standards. Please list all the 'modifications' requested in the cover letter.)

☐ Variation for _____

(See Section 17-104 of the Lake Zurich Zoning Code for specific standards. Please indicate what your specific hardships are in the cover letter.)

☐ Modification to the Land Development Code (includes retaining walls more than 2 feet in height)

(See Section 10-6-18 of the Land Development Code for specific standards.)

☐ Preliminary Plat of Subdivision

☐ Final Plat of Subdivision or Amendment to Plat of Subdivision

(See Sections 10-5-2 and 10-5-9 of the Land Development Code for specific standards.)

☐ Site Plan Approval/Major Adjustment/Amendment

(See Section 20-103 of the Lake Zurich Zoning Code for specific standards.)

☐ Exterior Appearance Approval or Amendment

(See Section 21-103 of the Lake Zurich Zoning Code for specific standards.)

APPLICATION TO ANNEX CERTAIN TERRITORY

All land annexed to the Village is classified automatically after such annexation in the R-1\2 Single Family Residential District. The owner must file an application for a Zoning Map amendment if he or she desires a different zoning classification for the Subject Property.

☐ Petition to Annex Certain Territory (Please complete attached petition)

☐ Application to Annex Certain Territory

COMPREHENSIVE PLAN APPLICATION

☐ Comprehensive Plan **Map** Amendment for _____

☐ Comprehensive Plan **Text** Amendment for _____



Mike Naumowicz
241 Golf Mill Center STE 526
Niles, IL 60714

August 8, 2024

Village of Lake Zurich
505 Tesler Rd.
Lac Zurich, IL 60047
ATTN: Orlando Stratman Chairperson of the Planning and Zoning Commission

RE: Meadow Wood East Subdivision
PIN 1407402042000

Dear Orlando:

Please accept this letter as my formal request to amend the existing zoning from R4 to R5. I am requesting the change to be in conformity with the surrounding R5 zoning to make a more cohesive extension of the existing subdivision. The current parcel is undeveloped land and I propose 15 single family homes on the property.

Thank you for your consideration and I look forward to working with you on this project.

Sincerely,

Mike Naumowicz

Contract purchase

EXHIBIT E

LEGAL DESCRIPTION OF SINGLE FAMILY PARCEL

LEGAL DESCRIPTION OF SINGLE-FAMILY PARCEL

THAT PART OF THE NORTH HALF OF THE SOUTHEAST QUARTER OF SECTION 7, TOWNSHIP 43 NORTH, RANGE 10 EAST OF THE THIRD PRINCIPAL MERIDIAN, DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHWEST CORNER OF THE NORTH HALF OF SAID SOUTHEAST QUARTER OF SECTION 7: THENCE SOUTH 89 DEGREES 17 MINUTES 24 SECONDS EAST ALONG THE SOUTH LINE OF THE NORTH HALF OF SAID SOUTHEAST QUARTER OF SECTION 7, A DISTANCE OF 800.94 FEET; THENCE NORTH 12 DEGREES 40 MINUTES 32 SECONDS WEST, 47.23 FEET; THENCE NORTH 31 DEGREES 54 MINUTES 58 SECONDS EAST, 82.07 FEET; THENCE NORTH 34 DEGREES 08 MINUTES 35 SECONDS EAST, 44.08 FEET; THENCE NORTH 14 DEGREES 54 MINUTES 33 SECONDS WEST, 31.54 FEET; THENCE NORTH 12 DEGREES 28 MINUTES 25 SECONDS WEST, 82.08 FEET; THENCE NORTH 21 DEGREES 08 MINUTES 49 SECONDS WEST, 103.04 FEET; THENCE NORTH 18 DEGREES 00 MINUTES 10 SECONDS WEST, 88.68 FEET; THENCE NORTH 40 DEGREES 11 MINUTES 50 SECONDS WEST, 88.64 FEET; THENCE NORTH 07 DEGREES 40 MINUTES 50 SECONDS WEST, 108.98 FEET; THENCE NORTH 00 DEGREES 42 MINUTES 36 SECONDS EAST, 85.88 FEET TO THE NORTH LINE OF THE SOUTH 800.00 FEET OF THE NORTH HALF OF THE SOUTHEAST QUARTER OF AFORESAID SECTION 7: THENCE SOUTH 89 DEGREES 17 MINUTES 24 SECONDS EAST ALONG SAID NORTH LINE, 865.87 FEET TO THE POINT OF BEGINNING; THENCE SOUTH 56 DEGREES 48 MINUTES 48 SECONDS WEST, 75.37 FEET; THENCE SOUTH 44 DEGREES 50 MINUTES 39 SECONDS WEST, 85.48 FEET; THENCE SOUTH 66 DEGREES 04 MINUTES 11 SECONDS WEST, 94.70 FEET; THENCE SOUTH 37 DEGREES 09 MINUTES 58 SECONDS WEST, 78.78 FEET; THENCE SOUTH 17 DEGREES 45 MINUTES 12 SECONDS WEST, 137.20 FEET; THENCE SOUTH 28 DEGREES 50 MINUTES 58 SECONDS WEST, 106.83 FEET; THENCE SOUTH 05 DEGREES 15 MINUTES 12 SECONDS WEST, 90.26 FEET; THENCE SOUTH 05 DEGREES 43 MINUTES 17 SECONDS WEST, 89.51 FEET; THENCE SOUTH 00 DEGREES 42 MINUTES 36 SECONDS WEST, 30.45 FEET TO THE AFORESAID SOUTH LINE OF THE NORTH HALF OF THE SOUTHEAST QUARTER OF SECTION 7: THENCE SOUTH 89 DEGREES 17 MINUTES 24 SECONDS EAST ALONG SAID SOUTH LINE, 618.03 FEET TO THE WEST LINE OF THE EAST 761.60 FEET OF THE NORTH HALF OF THE SOUTHEAST QUARTER OF SAID SECTION 7; THENCE NORTH 00 DEGREES 00 MINUTES 00 SECONDS EAST ALONG SAID WEST LINE, 660.05 TO THE AFORESAID NORTH LINE OF THE SOUTH 800.00 FEET OF THE NORTH HALF OF THE SOUTHEAST QUARTER OF SECTION 7; THENCE NORTH 89 DEGREES 17 MINUTES 24 SECONDS WEST ALONG SAID NORTH LINE, 243.14 FEET TO THE POINT OF BEGINNING, IN LAKE COUNTY, ILLINOIS.

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MAIN STREET ORGANIZATION OF REALTORS®

VACANT LAND CONTRACT

[NOT TO BE USED FOR TEARDOWNS]

1 **1. THE PARTIES:** Buyer and Seller are hereinafter referred to as the "Parties."

2 Buyer Name(s) [PLEASE PRINT] Michael Naumowicz

3 Seller Name(s) [PLEASE PRINT] Mary Christine Misik

4 If Dual Agency applies, check here ☐ and complete Optional Paragraph 29.5 **2. THE REAL ESTATE:** Real Estate shall be defined to include the Real Estate and all improvements thereon. Seller agrees to convey to Buyer or to Buyer's designated grantee, the Real Estate with the approximate lot size or acreage of

6 6.0-7.99 acres commonly known as:

7 0 Manchester Road, Lake Zurich, IL 60047 Lake

8 Address/Lot # (If applicable)

City

State

Zip

9 Permanent Index Number(s) (If available): 14074020420000

C

DS

DS

10 The Purchase Price is \$ ~~775,000~~ ^{775,000}. After MN MC M11 **3. PURCHASE PRICE AND PAYMENT:** The Purchase Price is \$ ~~775,000~~ ^{775,000}. After MN MC M
12 Money as provided below, the balance of the Purchase Price, as adjusted by prorations, shall be paid at Closing in "Good
13 Funds" as defined by law.14 a) **CREDIT AT CLOSING:** [IF APPLICABLE] Provided Buyer's lender permits such credit to show on the final
15 settlement statement or lender's closing disclosure, and if not, such lesser amount as the lender permits, Seller agrees
16 to credit \$ _____ to Buyer at Closing to be applied to prepaid expenses, closing costs or both.17 b) **EARNEST MONEY:** Earnest Money of \$ 10,000 shall be tendered to Escrowee on or before 5 Business
18 Days after Date of Acceptance. Additional Earnest Money, if any, of \$ N/A shall be tendered by
19 N/A. Earnest Money shall be held in trust for the mutual benefit of the Parties by [CHECK ONE]:20 ☒ Seller's Brokerage; ☐ Buyer's Brokerage; ☐ As otherwise agreed by the Parties, as "Escrowee." In the event the
21 Contract is declared null and void or is terminated, Earnest Money shall be disbursed pursuant to Paragraph 26.22 c) **BALANCE DUE AT CLOSING:** The Balance Due at Closing shall be the Purchase Price, plus or minus
23 prorations, less Earnest Money paid, less any credits at Closing, and shall be payable in Good Funds at Closing.24 **4. CLOSING:** Closing shall be on 90 days from acceptance, or at such time as mutually agreed upon by
25 the Parties in writing. Closing shall take place at the escrow office of the title insurance company, its underwriter, or its
26 issuing agent that will issue the Owner's Policy of Title Insurance, whichever is situated nearest the Real Estate.27 **5. POSSESSION:** Possession shall be granted to Buyer(s) at the completion of closing unless otherwise agreed in writing
28 by the parties.29 MN MC M **4. ONLY ONE OF THE FOLLOWING SUBPARAGRAPHS a, b, or c)**30 **LOAN CONTINGENCY:** Not later than **forty-five (45) days after Date of Acceptance or**
31 **prior to the date of Closing**, whichever is earlier, ("Loan Contingency Date") Buyer shall
32 provide written evidence from Buyer's licensed lending institution confirming that Buyer has received loan approval
33 subject only to "at close" conditions, matters of title, survey, and matters within Buyer's control for a loan as follows:
34 [CHECK ONE] ☐ fixed; ☐ adjustable; [CHECK ONE] ☒ conventional; ☐ FHA; ☐ VA; ☐ USDA;35 ☐ other _____ loan for 65 % of the Purchase Price, plus private mortgage insurance (PMI), if
36 required, with an interest rate (initial rate if an adjustable rate mortgage used) not to exceed 9.75 % per annum, amortized
37 over not less than 12 years. Buyer shall pay discount points not to exceed _____ % of the loan amount. Buyer shall pay
38 origination fee(s), closing costs charged by lender, and title company escrow closing fees.39 If Buyer, having applied for the loan specified above, is unable to provide such loan approval and serves Notice to Seller
40 not later than the Loan Contingency Date, this Contract shall be null and void. If Buyer is unable to provide such written
41 evidence not later than the date specified herein or by any extension date agreed to by the Parties, Seller shall have the
42 option of declaring this Contract terminated by giving Notice to Buyer. If prior to the Seller serving such Notice to
43 terminate, Buyer provides written evidence of such loan approval, this Contract shall remain in full force and effect.44 Upon the expiration of ten (10) Business Days after Date of Acceptance, if Buyer has failed to make a loan application
45 and pay all fees required for such application to proceed and the appraisal to be performed, Seller shall have the option to
46 declare this Contract terminated by giving Notice to Buyer not later than five (5) Business Days thereafter or any
47 extension thereof agreed to by the Parties in writing.48 **A Party causing delay in the loan approval process shall not have the right to terminate under this subparagraph.**49 **In the event neither Party elects to declare this Contract terminated as specified above, or as otherwise agreed,**MN

Buyer Initials

Buyer Initials

0 Manchester Rd, Lake Zurich, IL 60047

MC M

Seller Initials

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50 **then this Contract shall continue in full force and effect without any loan contingencies.**

51 **Unless otherwise provided in Paragraph 30, this Contract is not contingent upon the sale and/or closing of Buyer's**
 52 **existing real estate.** Buyer shall be deemed to have satisfied the financing conditions of this subparagraph if Buyer
 53 obtains a loan approval in accordance with the terms of this subparagraph even though the loan is conditioned on the sale
 54 and/or closing of Buyer's existing real estate.

55 If Buyer is seeking FHA, VA, or USDA financing, **required amendments and disclosures shall be attached to this**
 56 **Contract.** If VA, the Funding Fee, or if FHA, the Mortgage Insurance Premium (MIP), shall be paid by Buyer.

57 ☐ ☐ ☐ ☐ **b) CASH TRANSACTION WITH NO MORTGAGE: [ALL CASH]** If this selection is made, Buyer
 58 will pay at Closing, in the form of "Good Funds," the Balance Due at Closing. Buyer represents to Seller, as of the Date of
 59 Offer, that Buyer has sufficient funds available to satisfy the provisions of this subparagraph. Buyer agrees to verify the above
 60 representation upon the reasonable request of Seller and to authorize the disclosure of such financial information to Seller,
 61 Seller's attorney or Seller's broker that may be reasonably necessary to prove the availability of sufficient funds to close.
 62 Buyer understands and agrees that, so long as Seller has fully complied with Seller's obligations under this Contract, any act
 63 or omission outside of the control of Seller, whether intentional or not, that prevents Buyer from satisfying the Balance Due at
 64 Closing, shall constitute a material breach of this Contract by Buyer. The Parties shall share the title company escrow closing
 65 fee equally. **Unless otherwise provided in Paragraph 30, this Contract shall not be contingent upon the sale and/or**
 66 **closing of Buyer's existing real estate.**

67 ☐ ☐ ☐ ☐ **c) CASH TRANSACTION, MORTGAGE ALLOWED:** If this selection is made, Buyer will pay at
 68 closing, in the form of "Good Funds," the Balance Due at Closing. Buyer represents to Seller, as of the Date of Offer, that
 69 Buyer has sufficient funds available to satisfy the provisions of this subparagraph. Buyer agrees to verify the above
 70 representation upon the reasonable request of Seller and to authorize the disclosure of such financial information to Seller,
 71 Seller's attorney or Seller's broker that may be reasonably necessary to prove the availability of sufficient funds to close.
 72 Notwithstanding such representation, Seller agrees to reasonably and promptly cooperate with Buyer so that Buyer may apply
 73 for and obtain a mortgage loan or loans including but not limited to providing access to the Real Estate to satisfy Buyer's
 74 obligations to pay the Balance Due at Closing. Such cooperation shall include the performance in a timely manner of all of
 75 Seller's pre-closing obligations under this Contract. **This Contract shall NOT be contingent upon Buyer obtaining**
 76 **financing.** Buyer understands and agrees that, so long as Seller has fully complied with Seller's obligations under this
 77 Contract, any act or omission outside of the control of Seller, whether intentional or not, that prevents Buyer from satisfying
 78 the Balance Due at Closing shall constitute a material breach of this Contract by Buyer. Buyer shall pay the title company
 79 escrow closing fee if Buyer obtains a mortgage; provided however, if Buyer elects to close without a mortgage loan, the
 80 Parties shall share the title company escrow closing fee equally. **Unless otherwise provided in Paragraph 30, this Contract**
 81 **shall not be contingent upon the sale and/or closing of Buyer's existing real estate.**

82 **7. PRORATIONS:** The requirements contained in this paragraph shall survive the Closing. Proratable items shall be
 83 prorated to and including the Date of Closing and shall include without limitation, general real estate taxes, rents and
 84 deposits (if any) from tenants; Special Service Area or Special Assessment Area tax for the year of Closing only; utilities,
 85 water and sewer, pre-purchased fuel; and Homeowner or Condominium Association fees (and Master/Umbrella
 86 Association fees, if applicable). Accumulated reserves of a Homeowner/Condominium Association(s) are not a proratable item.

87 a) The general real estate taxes shall be prorated to and including the date of Closing based on 105 % of the most
 88 recent ascertainable full year tax bill. All general real estate tax prorations shall be final as of Closing, except as
 89 provided in Paragraph 23. If the amount of the most recent ascertainable full year tax bill reflects a homeowner,
 90 senior citizen, disabled veteran or other exemption, a senior freeze or senior deferral, then Seller has submitted or will
 91 submit in a timely manner all necessary documentation to the appropriate governmental entity, before or after
 92 Closing, to preserve said exemption(s). **The proration shall not include exemptions to which the Seller is not**
 93 **lawfully entitled.**


94 b) Seller represents, if applicable, that as of Date of Acceptance Homeowner/Condominium Association(s) fees are
 95 \$ _____ per _____ (and, if applicable, Master/Umbrella Association fees are
 96 \$ _____ per _____). Seller agrees to pay prior to or at Closing the remaining balance of any
 97 special assessments by the Association(s) confirmed prior to Date of Acceptance.

98 c) Special Assessment Area or Special Service Area installments due after the year of Closing shall not be
 99 proratable items and shall be paid by Buyer, unless otherwise provided by ordinance or statute.

100 **8. ATTORNEY REVIEW:** Within five (5) Business Days after Date of Acceptance, the attorneys for the respective
 101 Parties, by Notice, may:

102 a) Approve this Contract; or

103 b) Disapprove this Contract, which disapproval shall not be based solely upon the Purchase Price; or

 Buyer Initials

 Buyer Initials

0 Manchester Rd, Lake Zurich, IL 60047

 Seller Initials

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104 c) Propose modifications to this Contract, except for the Purchase Price, which proposal shall be conclusively
 105 deemed a counteroffer notwithstanding any language contained in any such proposal purporting to state the proposal
 106 is not a counteroffer. If after expiration of ten (10) Business Days after Date of Acceptance written agreement has not
 107 been reached by the Parties with respect to resolution of all proposed modifications, either Party may terminate this
 108 Contract by serving Notice, whereupon this Contract shall be immediately deemed terminated; or

109 d) Offer proposals specifically referring to this subparagraph d) which shall not be considered a counteroffer. Any
 110 proposal not specifically referencing this subparagraph d) shall be deemed made pursuant to subparagraph c) as a
 111 modification. If proposals made with specific reference to this subparagraph d) are not agreed upon, **neither** Buyer
 112 nor Seller may declare this contract null and void, and this contract shall remain in full force and effect.

113 **If Notice of disapproval or proposed modifications is not served within the time specified herein, the provisions of**
 114 **this paragraph shall be deemed waived by the Parties and this Contract shall remain in full force and effect. If**
 115 **Notice of termination is given, said termination shall be absolute and the Contract rendered null and void upon the**
 116 **giving of Notice, notwithstanding any language proffered by any Party purporting to permit unilateral**
 117 **reinstatement by withdrawal of any proposal(s).**

118 **9. WAIVER OF PROFESSIONAL INSPECTIONS: [INITIAL IF APPLICABLE]** ☐ ☐ ☐ ☐ Buyer
 119 acknowledges the right to conduct inspections of the Real Estate and hereby waives the right to conduct any such
 120 inspections of the Real Estate, and further agrees that the provisions of Paragraph 10 shall not apply.

121 **10. INSPECTIONS:** Seller agrees to allow Buyer's inspectors reasonable access to the property upon reasonable notice
 122 and gives Buyer's inspectors permission to perform tests on the property, including invasive testing, if the inspections and
 123 the tests are reasonably necessary to satisfy the contingencies in this Contract. Buyer agrees to promptly restore the
 124 property to its original condition and agrees to be responsible for any damage incurred while performing such inspections.
 125 **Seller authorizes Buyer's inspectors to take soil samples which may detect environmental contamination which**
 126 **may be required to be reported to the appropriate governmental authorities.** Buyer agrees to hold harmless and
 127 indemnify Seller from any liability for the actions of Buyer's agents and representatives while conducting such inspections
 128 and tests on the property. Notwithstanding anything to the contrary set forth in the above in this paragraph, in the event
 129 the inspection reveals that the condition of the Real Estate is unacceptable to Buyer and Buyer serves Notice to Seller
 130 within five (5) Business Days after the Date of Acceptance, this Contract shall be null and void. Unless specifically
 131 requested by Seller, Buyer shall not provide copies of any inspection report.

132 **11. BUILDING AND SEWAGE PERMITS CONDITION:** This Contract is subject to the condition that Buyer(s)
 133 obtain within 40 Business Days after the date of this contract, at Buyer's expense, a building permit and an acceptable
 134 septic percolation test or sewage tap-on permit from the applicable governmental agency having jurisdiction over the
 135 subject Property. If Buyer(s) has properly, diligently, and promptly applied for said permits and approvals and has been
 136 unable to obtain the permits within the times specified, Buyer(s) may, at Buyer's option, within one (1) business day of the
 137 time specified, serve written notice of such failure and inability to obtain the necessary permits upon Seller(s) or Seller's
 138 attorney, and in such event this Contract shall become null and void and all earnest money paid by Buyer(s) shall be
 139 refunded to Buyer(s). **IN THE EVENT BUYER(S) DOES NOT SERVE WRITTEN NOTICE WITHIN THE TIME**
 140 **SPECIFIED HEREIN, THIS PROVISION SHALL BE DEEMED WAIVED BY ALL PARTIES HERETO AND THIS**
 141 **CONTRACT SHALL CONTINUE IN FULL FORCE AND EFFECT.**

142 **12. SOIL TEST/FLOOD PLAIN CONDITION:** This Contract is subject to Buyer obtaining within 40 Business Days
 143 from date of acceptance a soil boring test and/or Flood Plain Determination at a site or sites of Buyer's choice on the
 144 Property to obtain the necessary permits from the appropriate governmental authorities for the improvement contemplated
 145 by the Buyer. Such determination and tests shall be at Buyer's expense. In the event Flood plain Determination and such tests
 146 are unsatisfactory, at the option of Buyer, and upon written notice to Seller within one (1) business day of the time set forth
 147 above, this contract shall be null and void and earnest money shall be refunded to Buyer upon mutual written direction of Seller
 148 and Buyer or the escrow agent. In the event the Buyer does not serve written notice within the time specified herein, this
 149 provision shall be deemed waived by all parties hereto and this contract shall continue in full force and effect.

150 **13. FLOOD INSURANCE:** Buyer shall have the option to declare this Contract null and void if the Real Estate is
 151 located in a special flood hazard area. **If Notice of the option to declare contract null and void is not given to Seller**
 152 **within ten (10) Business Days after Date of Acceptance or by the Loan Contingency Date, whichever is later, Buyer**
 153 **shall be deemed to have waived such option and this Contract shall remain in full force and effect.** Nothing herein
 154 shall be deemed to affect any rights afforded by the Residential Real Property Disclosure Act.

155 **14. CONDOMINIUM/COMMON INTEREST ASSOCIATIONS: [IF APPLICABLE]** The Parties agree that the terms
 156 contained in this paragraph, which may be contrary to other terms of this Contract, shall supersede any conflicting terms.

157 **Title when conveyed shall be good and merchantable, subject to terms, provisions, covenants and conditions of the**

 Buyer Initials  Seller Initials

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158 Declaration of Condominium/Covenants, Conditions and Restrictions and all amendments; public and utility
 159 easements including any easements established by or implied from the Declaration of Condominium/Covenants,
 160 Conditions and Restrictions or amendments thereto; party wall rights and agreements; limitations and conditions
 161 imposed by the Condominium Property Act; installments due after the date of Closing of general assessments
 162 established pursuant to the Declaration of Condominium/Covenants, Conditions and Restrictions.

163 b) Seller shall be responsible for all regular assessments due and levied prior to Closing and for all special
 164 assessments confirmed prior to the Date of Acceptance.

165 c) Buyer has, within five (5) Business Days from the Date of Acceptance, the right to demand from Seller items as
 166 stipulated by the Illinois Condominium Property Act, if applicable, and Seller shall diligently apply for same. This
 167 Contract is subject to the condition that Seller be able to procure and provide to Buyer, a release or waiver of any option of
 168 first refusal or other pre-emptive rights of purchase created by the Declaration of Condominium/Covenants, Conditions and
 169 Restrictions within the time established by the Declaration of Condominium/Covenants, Conditions and Restrictions.

170 d) In the event the documents and information provided by Seller to Buyer disclose that the existing improvements
 171 are in violation of existing rules, regulations or other restrictions or that the terms and conditions contained within the
 172 documents would unreasonably restrict Buyer's use of the premises or would result in financial obligations
 173 unacceptable to Buyer in connection with owning the Real Estate, then Buyer may declare this Contract null and void
 174 by giving Seller written notice within five (5) Business Days after the receipt of the documents and information
 175 required by Paragraph 14 (c), listing those deficiencies which are unacceptable to Buyer. If written notice is not served
 176 within the time specified, Buyer shall be deemed to have waived this contingency, and this Contract shall remain in
 177 full force and effect.

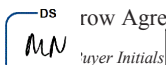
178 **15. THE DEED:** Seller shall convey or cause to be conveyed to Buyer or Buyer's designated grantee good and
 179 merchantable title to the Real Estate by recordable general Warranty Deed, with release of homestead rights, (or the
 180 appropriate deed if title is in trust or in an estate), and with real estate transfer stamps to be paid by Seller (unless
 181 otherwise designated by local ordinance). Title when conveyed will be good and merchantable, subject only to: covenants,
 182 conditions, and restrictions of record, building lines and easements, if any, provided they do not interfere with the current
 183 use and enjoyment of the Real Estate; and general real estate taxes not due and payable at the time of Closing.


184 **16. ZONING:** Seller represents to the best of Seller's knowledge, without duty to investigate, that the Real Estate is
 185 zoned: _____.

186 **17. TITLE:** At Seller's expense, Seller will deliver or cause to be delivered to Buyer or Buyer's attorney within
 187 customary time limitations and sufficiently in advance of Closing, as evidence of title in Seller or Grantor, a title
 188 commitment for an ALTA title insurance policy in the amount of the Purchase Price by a title company licensed to operate
 189 in the State of Illinois, issued on or subsequent to the Date of Acceptance, subject only to items listed in Paragraph 15 and
 190 shall cause a title policy to be issued with an effective date as of Closing. The commitment for title insurance furnished by
 191 Seller will be presumptive evidence of good and merchantable title as therein shown, subject only to the exceptions therein
 192 stated. **If the title commitment discloses unpermitted exceptions, or if the Plat of Survey shows any encroachments**
 193 **which are not acceptable to Buyer, then Seller shall have said exceptions or encroachments removed, or have the**
 194 **title insurer commit to insure against loss or damage that may be caused by such exceptions or encroachments.** If
 195 Seller fails to have unpermitted exceptions waived or title insured over prior to Closing, Buyer may elect to take the title
 196 as it then is, with the right to deduct from the Purchase Price prior encumbrances of a definite or ascertainable amount.
 197 Seller shall furnish Buyer at Closing an Affidavit of Title covering the date of Closing, and shall sign any other customary
 198 forms required for issuance of an ALTA Insurance Policy.

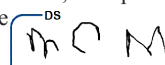
199 **18. PLAT OF SURVEY:** Not less than one (1) business day prior to Closing Seller shall, at Seller's expense, furnish to
 200 Buyer or Buyer's attorney a Plat of Survey that conforms to the current Minimum Standard of Practice for boundary
 201 surveys, is dated not more than six (6) months prior to the date of Closing, and is prepared by a professional land
 202 surveyor, showing any encroachments, measurements of all lot lines, all easements of record, building set back lines of
 203 record, fences, all buildings and other improvements on the Real Estate and distances therefrom to the nearest two lot
 204 lines. In addition, the survey to be provided shall be a boundary survey conforming to the current requirements of the
 205 appropriate state regulatory authority. The survey shall show all corners staked, flagged, or otherwise monumented. The
 206 survey shall have the following statement prominently appearing near the professional land surveyor seal and signature:
 207 "This professional service conforms to the current Illinois minimum standards for a boundary survey." A Mortgage
 208 Inspection, as defined, is not a boundary survey, and is not acceptable.

209 **19. ESCROW CLOSING:** At the election of either Party, not less than five (5) Business Days prior to the Closing, this
 210 sale shall be closed through an escrow with the lending institution or the title company in accordance with the provisions
 211 of the usual form of Deed and Money Escrow Agreement, as agreed upon between the Parties, with provisions inserted in
 212 _____ row Agreement as may be required to conform with this Contract. The cost of the _____ id by the Party

 Buyer Initials

 Buyer Initials

0 Manchester Rd, Lake Zurich, IL 60047

 Seller Initials

 Seller Initials

(Page 4 of 7) 4.2022 - © MAINSTREET ORGANIZATION OF REALTORS®

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213 requesting the escrow. If this transaction is a cash purchase (no mortgage is secured by Buyer), the Parties shall share the
214 title company escrow closing fee equally.

215 **20. DAMAGE TO REAL ESTATE OR CONDEMNATION PRIOR TO CLOSING:** If prior delivery of the deed, the
216 Real Estate shall be destroyed or materially damaged by fire, casualty, or any other cause, or the Real Estate is taken by
217 condemnation, then Buyer shall have the option of terminating this Contract and receiving a refund of earnest money or of
218 accepting the Real Estate as damaged or destroyed, together with the proceeds of any insurance payable as a result of the
219 destruction or damage, which proceeds Seller agrees to assign to Buyer. Seller shall not be obligated to repair or replace
220 damaged improvements. The provisions of the Uniform Vendor and Purchaser Risk Act of the State of Illinois shall be
221 applicable to this Contract, except as modified in this paragraph.

222 **21. SELLER REPRESENTATIONS:** Seller's representations contained in this paragraph shall survive the Closing.
223 Seller represents that with respect to the Real Estate, Seller has no knowledge of, nor has Seller received any written
224 notice from any association or governmental entity regarding:

- 225 a) zoning or health code violations that have not been corrected;
- 226 b) any pending rezoning;
- 227 c) boundary line disputes;
- 228 d) any pending condemnation or Eminent Domain proceeding;
- 229 e) easements or claims of easements not shown on the public records;
- 230 f) any hazardous waste on the Real Estate;
- 231 g) real estate tax exemption(s) to which Seller is not lawfully entitled; or
- 232 h) any improvements to the Real Estate for which the required initial and final permits were not obtained.

233 Seller further represents that there is ☒ is not an unconfirmed pending special assessment
234 affecting the Real Estate [INITIALS] There [CHECK ONE] ☐ is ☒ is not an unconfirmed pending special assessment
235 affecting the Real Estate [INITIALS] association or governmental entity payable by Buyer after the date of Closing.

236 [INITIALS] The Real Estate [CHECK ONE] ☐ is ☒ is not located within a Special Assessment Area
237 or Special Service Area for which will not be the obligation of Seller after the year in which the Closing occurs.

238 All Seller representations shall be deemed re-made as of Closing. If prior to Closing Seller becomes aware of matters that
239 require modification of the representations previously made in this Paragraph 21, Seller shall promptly notify Buyer. If the
240 matters specified in such Notice are not resolved prior to Closing, Buyer may terminate this Contract by Notice to Seller
241 and this Contract shall be null and void.

242 **22. CONDITION OF REAL ESTATE AND INSPECTION:** All refuse and personal property that is not conveyed to
243 Buyer shall be removed from the Real Estate at Seller's expense before closing. Buyer shall have the right to inspect Real
244 Estate within 72 hours prior to closing to verify that the Real Estate is in substantially the same condition as of the Date of
245 Offer of this Contract, normal wear and tear excepted.

246 **23. GOVERNMENTAL COMPLIANCE:** The Parties agree to comply with the applicable reporting requirements of the
247 Internal Revenue Code and the Real Estate Settlement Procedures Act of 1974, as amended.

248 **24. BUSINESS DAYS/HOURS:** Business Days are defined as Monday through Friday, excluding Federal holidays.
249 Business Hours are defined as 8:00 A.M. to 6:00 P.M. Chicago time. In the event the Closing or Loan Contingency Date
250 described in this Contract does not fall on a Business Day, such date shall be the next Business Day.

251 **25. ELECTRONIC OR DIGITAL SIGNATURES:** Facsimile or digital signatures shall be sufficient for purposes of
252 executing, negotiating, finalizing, and amending this Contract, and delivery thereof by one of the following methods shall
253 be deemed delivery of this Contract containing original signature(s). An acceptable facsimile signature may be produced
254 by scanning an original, hand-signed document and transmitting same by electronic means. An acceptable digital
255 signature may be produced by use of a qualified, established electronic security procedure mutually agreed upon by the
256 Parties. Transmissions of a digitally signed copy hereof shall be by an established, mutually acceptable electronic method,
257 such as creating a PDF ("Portable Document Format") document incorporating the digital signature and sending same by
258 electronic mail.

259 **26. DIRECTION TO ESCROWEE:** In every instance where this Contract shall be deemed null and void or if the
260 Contract may be terminated by either Party, the following shall be deemed incorporated: "and Earnest Money refunded
261 upon the joint written direction by the Parties to the Escrowee or upon an entry of an order by a court of competent jurisdiction".
262 In the event either Party has declared the Contract null and void or the transaction has failed to close as provided for in this
263 Contract and if Escrowee has not received joint written direction by the Parties or such court order, the Escrowee may
264 elect to proceed as follows:

265 Escrowee shall give written Notice to the Parties as provided for in this Contract at least fourteen (14) days prior

Buyer Initials [INITIALS]

0 Manchester Rd, Lake Zurich, IL 60047

Seller Initials [INITIALS]

(Page 5 of 7) 4.2022 - © MAINSTREET ORGANIZATION OF REALTORS®

271 Escrowee may file a Suit for Interpleader and deposit any funds held into the Court for distribution after resolution of the
272 dispute between Seller and Buyer by the Court. Escrowee may retain from the funds deposited with the Court the amount
273 necessary to reimburse Escrowee for court costs and reasonable attorney's fees incurred due to the filing of the
274 Interpleader. If the amount held in escrow is inadequate to reimburse Escrowee for the costs and attorney's fees, Buyer and
275 Seller shall jointly and severally indemnify Escrowee for additional costs and fees incurred in filing the Interpleader action.

279 a) By personal delivery; or
280 b) By mailing to the addresses recited on Page 7 by regular mail and by certified mail, return receipt requested.
281 Except as otherwise provided herein, Notice served by certified mail shall be effective on the date of mailing; or
282 c) By facsimile transmission. Notice shall be effective as of date and time of facsimile transmission, provided that
283 the Notice transmitted shall be sent on Business Days during Business Hours. In the event Notice is transmitted during
284 non-business hours, the effective date and time of Notice is the first hour of the next Business Day after transmission; or
285 d) By e-mail transmission if an e-mail address has been furnished by the recipient Party or the Recipient Party's
286 attorney to the sending Party or as shown in this Contract. Notice shall be effective as of date and time of e-mail
287 transmission, provided that in the event e-mail Notice is transmitted during non-business hours, the effective date and
288 time of Notice is the first hour of the next Business Day after transmission. An attorney or Party may opt out of future
289 e-mail Notice by any form of Notice provided by this Contract; or
290 e) By commercial overnight delivery (e.g., FedEx). Such Notice shall be effective on the next Business Day
291 following deposit with the overnight delivery company.
292 f) If a Party fails to provide contact information herein, as required, Notice may be served upon the Party's
293 Designated Agent in any of the manners provided above.
294 g) The Party serving a Notice shall provide courtesy copies to the Parties' Designated Agents. Failure to provide
295 such courtesy copies shall not render Notice invalid.

299 THE FOLLOWING NUMBERED PARAGRAPHS ARE A PART OF THIS CONTRACT ONLY IF INITIALED BY ALL PARTIES.

304 ☐ ☐ ☐ ☐ **30. CANCELLATION OF PRIOR REAL ESTATE CONTRACT:** In the event either Party has
305 entered into a prior real estate contract, this Contract shall be subject to written cancellation of the prior contract on or
306 before _____. **In the event the prior contract is not cancelled within the time specified, this**
307 **Contract shall be null and void and earnest money refunded to Buyer upon written direction of the Parties to**
308 **Escrowee. Notice to the purchaser under the prior contract should not be served until after Attorney Review and**
309 **Professional Inspections provisions of this Contract have expired, been satisfied or waived.**

310 ☐☐☐☐ **31. SPECIFIED PARTY APPROVAL:** This Contract is contingent upon the approval of the Real
311 Estate by _____. Buyer's specified party, within five (5) Business Days after the
312 Date of Acceptance. In the event Buyer's specified party does not approve of the Real Estate and written notice is given to
313 Seller within the time specified, this Contract shall be null and void. If written notice is not served within the time
314 specified, this provision shall be deemed waived by the Parties and this Contract shall remain in full force and effect.

DS
[Handwritten Signature] Seller Initials

0 Manchester Rd. Lake Zurich. IL 60047

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315 ☐ ☐ ☐ ☐ 32. ATTACHMENTS: The following attachments, if any, are hereby incorporated into this
 316 Contract [IDENTIFY BY TITLE]: _____
 317 _____

318 THE PARTIES ACKNOWLEDGE THAT THIS CONTRACT SHALL BE GOVERNED BY THE LAWS OF THE STATE OF ILLINOIS AND IS SUBJECT
 319 TO THE COVENANT OF GOOD FAITH AND FAIR DEALING IMPLIED IN ALL ILLINOIS CONTRACTS.

320 THIS DOCUMENT WILL BECOME A LEGALLY BINDING CONTRACT WHEN SIGNED BY ALL PARTIES AND DELIVERED TO THE PARTIES
 321 OR THEIR AGENTS.

322 THE PARTIES REPRESENT THAT TEXT OF THIS COPYRIGHTED FORM HAS NOT BEEN ALTERED AND IS IDENTICAL TO THE OFFICIAL
 323 VACANT LAND CONTRACT OF MAINSTREET ORGANIZATION OF REALTORS®.

6/20/2024

6/20/24

324	Date of Offer	DocuSigned by: <u>Michael Naumowicz</u> FFB1A899C6C5461...	DATE OF ACCEPTANCE	DocuSigned by: <u>Mary Christine Misik</u> 476382696F0C475...
325	Buyer Signature		Seller Signature	
326	Buyer Signature		Seller Signature	
327	Buyer Signature		Seller Signature	
328	Buyer Signature		Seller Signature	
329	Mike Naumowicz		Mary Christine Misik	
330	Print Buyer(s) Name(s) [REQUIRED]		Print Seller(s) Name(s) [REQUIRED]	
331	Michael Naumowicz			
332	Address [REQUIRED]		Address [REQUIRED]	
333	8717 W Park Ln. Niles, IL 60714			
334	City, State, Zip [REQUIRED]		City, State, Zip [REQUIRED]	
335	Phone	E-mail	Phone	E-mail
336				

FOR INFORMATION ONLY

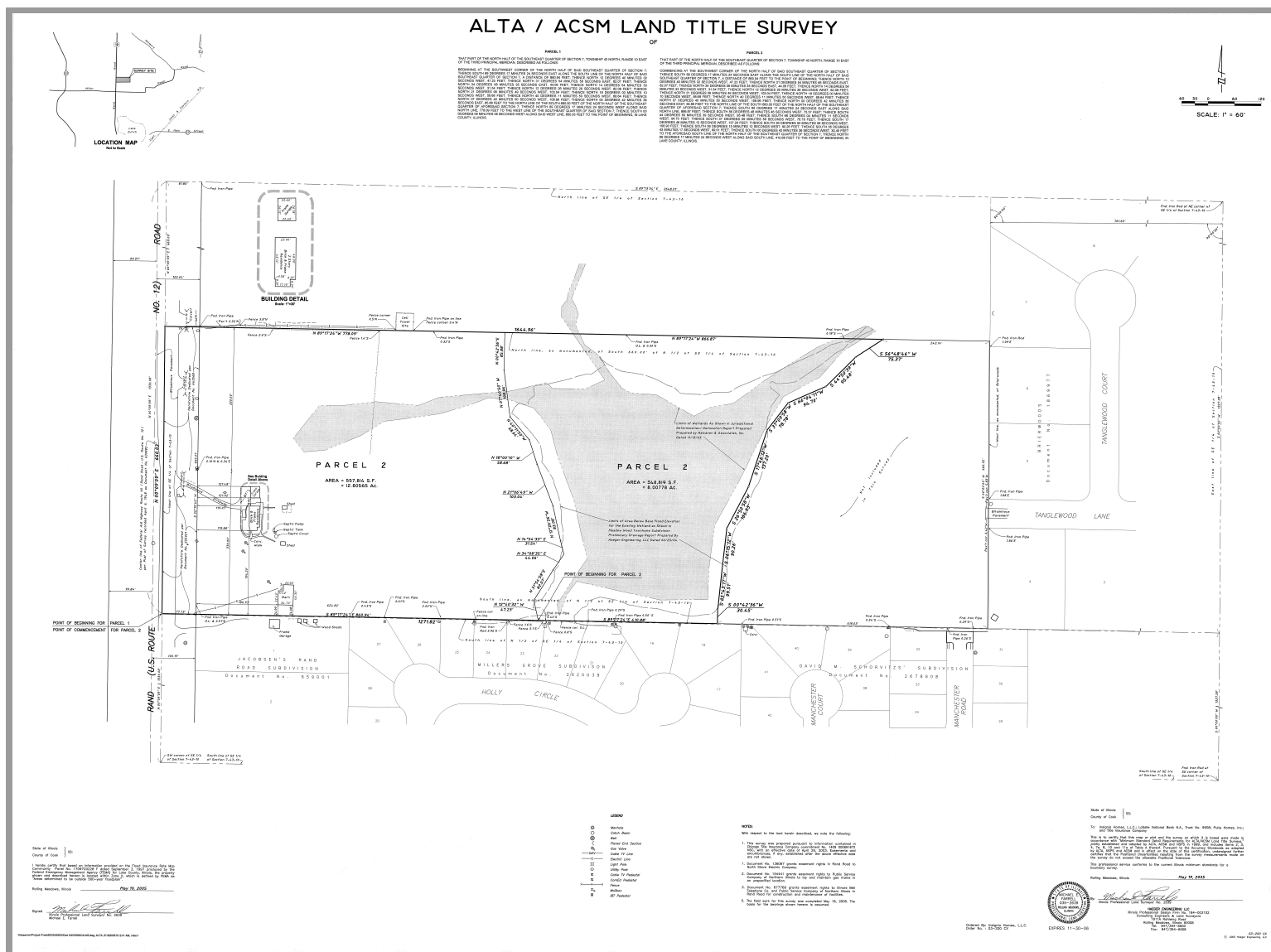
339	Real People Realty	28660	477013535		
340	Buyer's Brokerage	MLS #	State License #	Seller's Brokerage	MLS # State License #
341	3115 N. Wilke Rd. Suite S Arlington Heights, IL 60005				
342	Address	City	Zip	Address	City Zip
343	Teresa Rustman	258753	475189455		
344	Buyer's Designated Agent	MLS #	State License #	Seller's Designated Agent	MLS # State License #
345	224-430-0240				
346	Phone	Fax		Phone	Fax
347	teresarustman@gmail.com				
348	E-mail			E-mail	
349	Buyer's Attorney	E-mail		Seller's Attorney	E-mail
350				Mathew Howeth	matthew@howethlawllc.com
351	Address	City	State	Address	City State Zip
352				1580 S Milwaukee Ave	Libertyville, IL 60048
353	Phone	Fax		Phone	Fax
354	Waterman Bank	(312) 953-3114		847-915-6135	
355	Mortgage Company	Phone		Homeowner's/Condo Association (if any)	Phone
356	Jon Crumlish			Management Co./Other Contact	Phone
357	Loan Officer	Phone/Fax			
358	jcrumlish@watermanbank.com			Management Co./Other Contact E-mail	
359	Loan Officer E-mail				
360					

361 Illinois Real Estate License Law requires all offers be presented in a timely manner; Buyer requests verification that this offer was presented.

362 Seller rejection: This offer was presented to Seller on _____ at _____ a.m./p.m. and rejected on

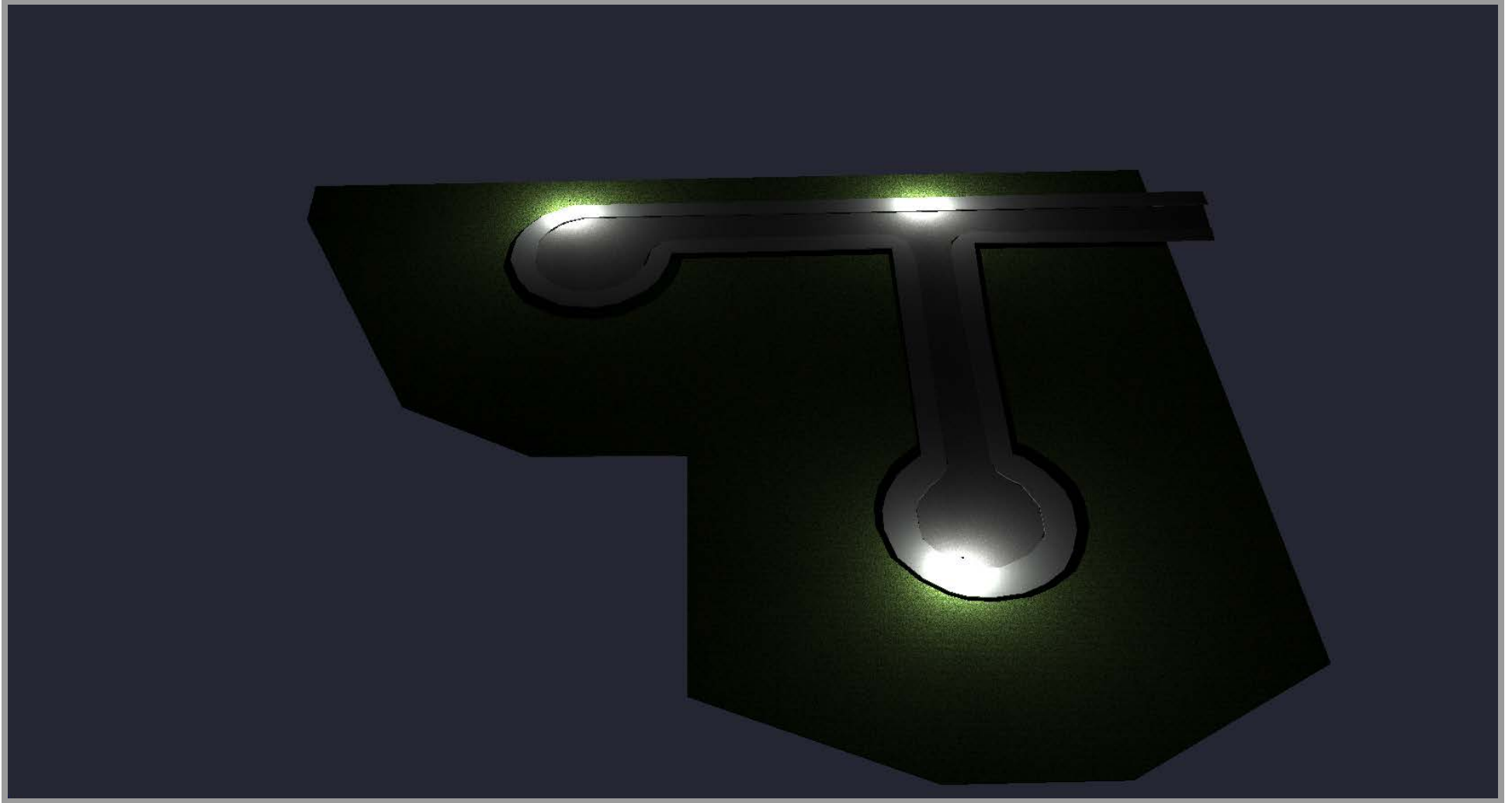
363 _____ at _____ a.m./p.m. [SELLER INITIALS] _____

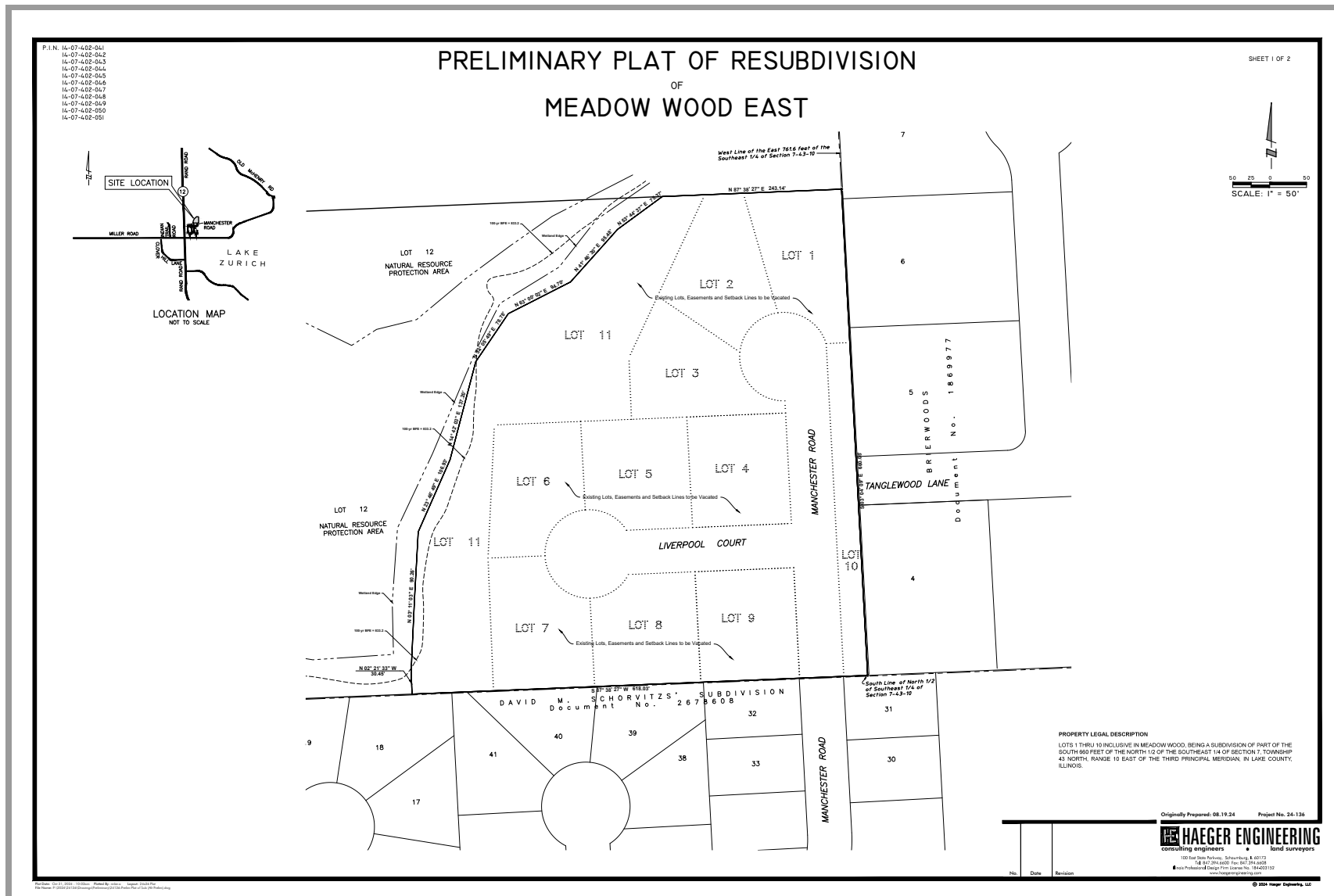
Address _____
 0 Manchester Rd, Lake Zurich, IL 60047
 (Page 7 of 7) 4.2022 - © MAINSTREET ORGANIZATION OF REALTORS®

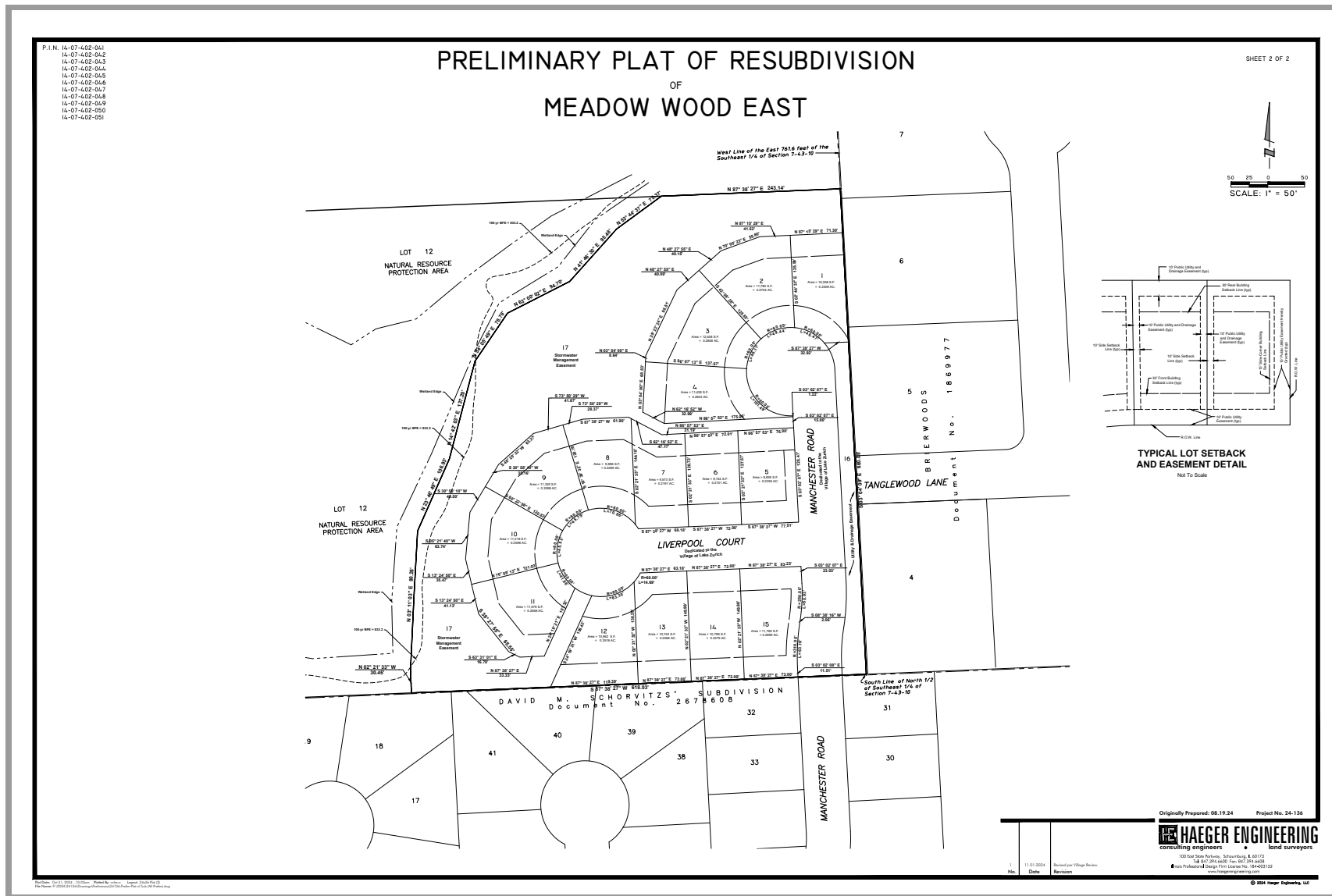


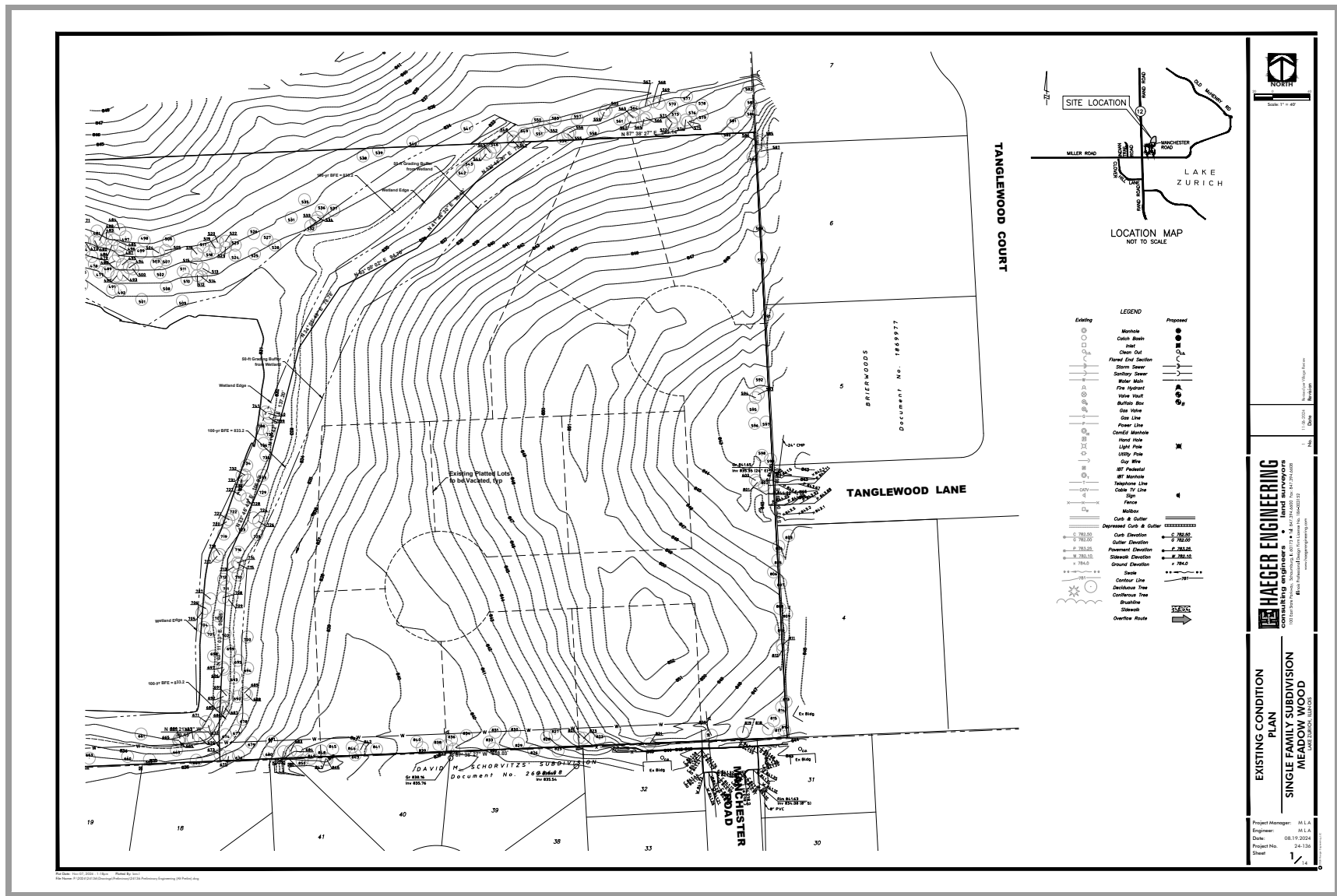


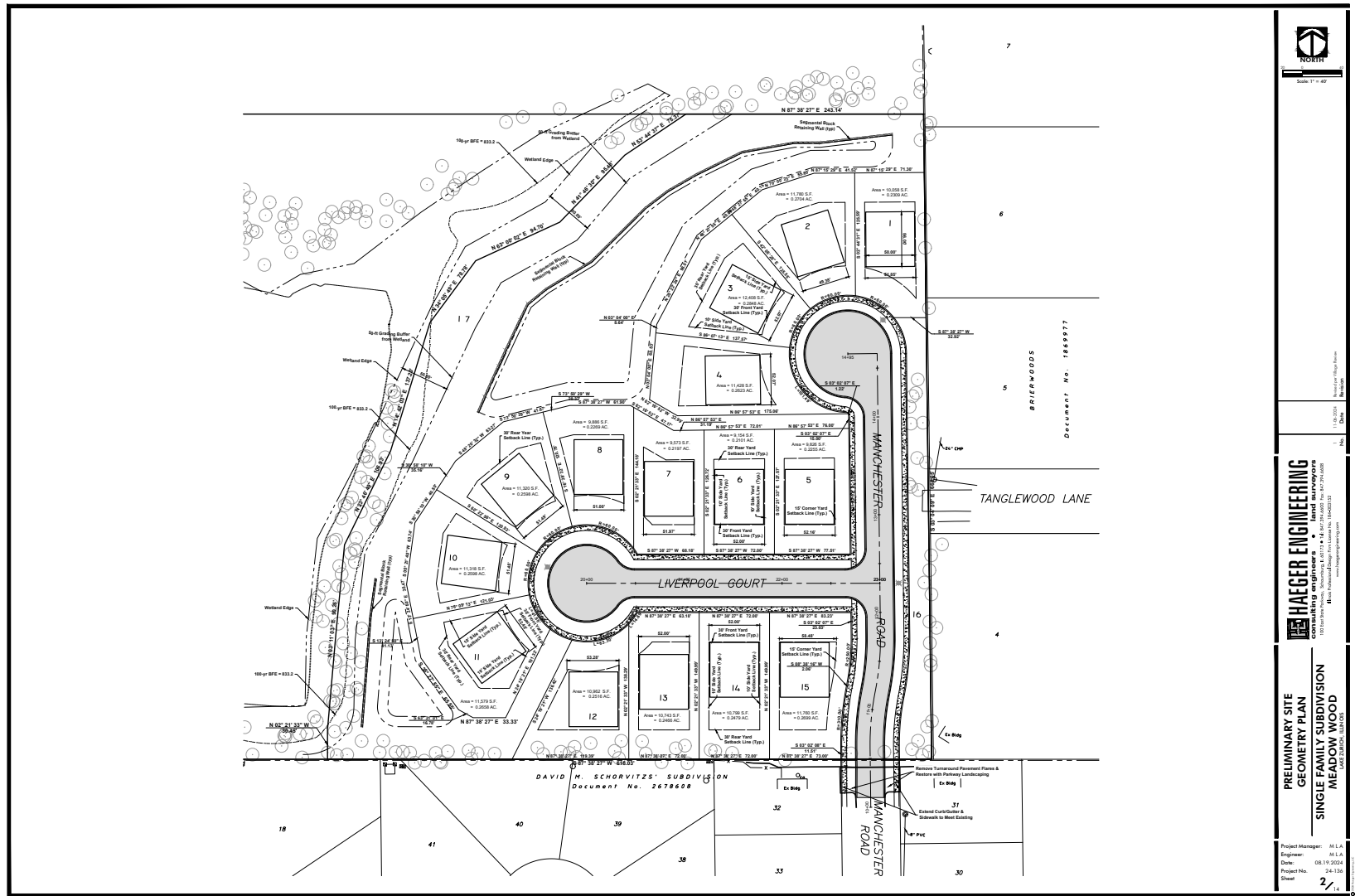




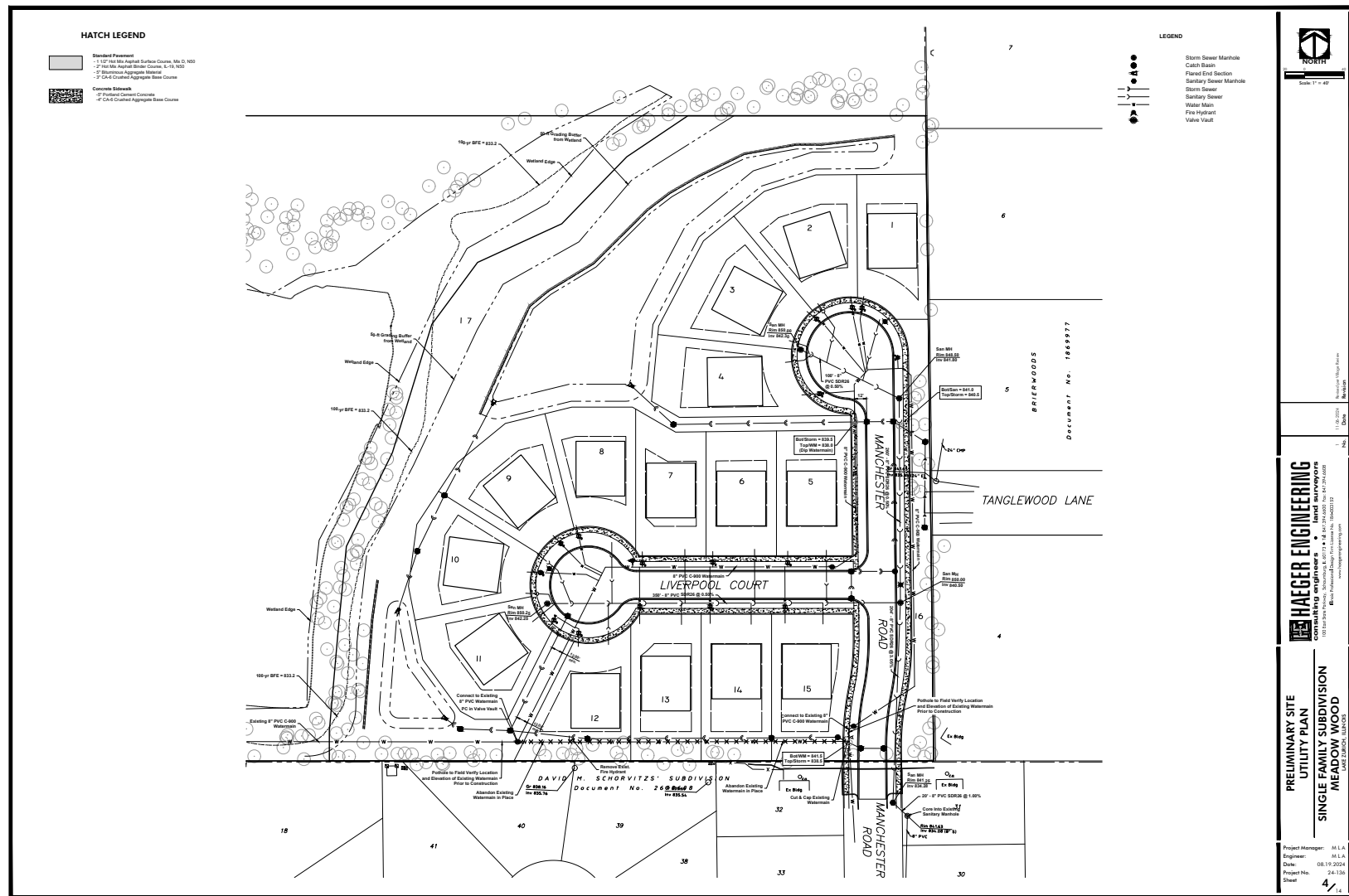


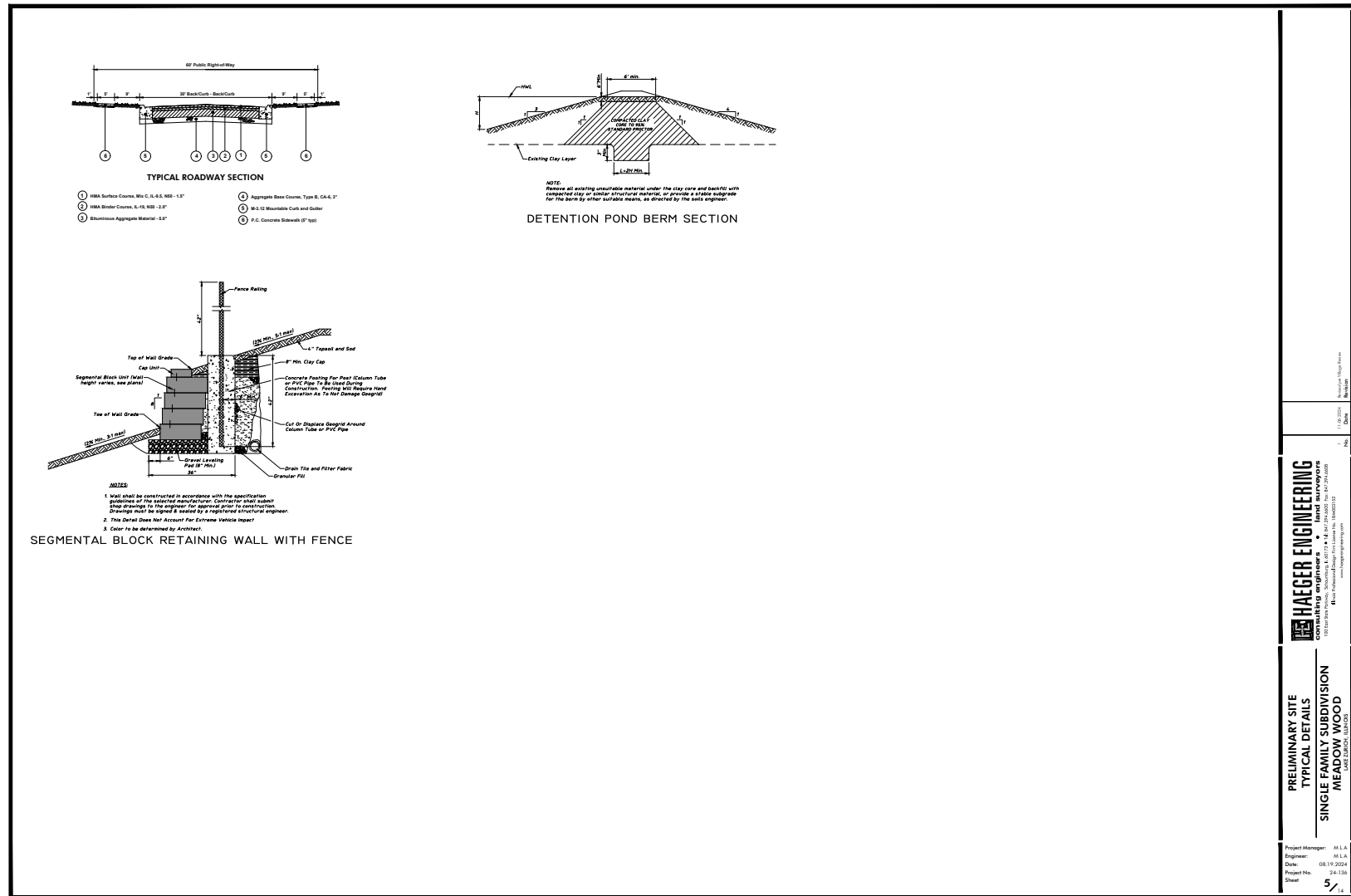




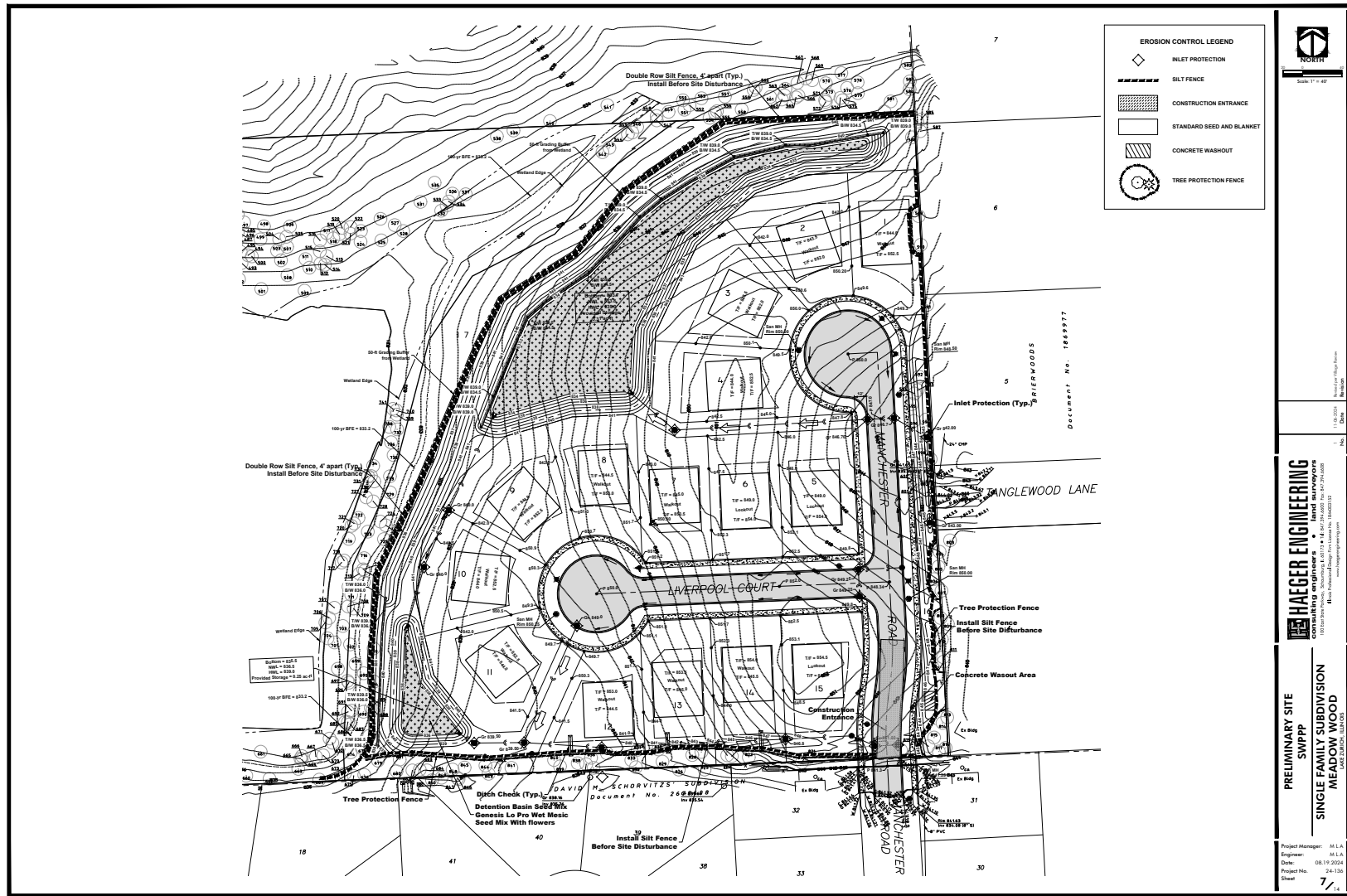


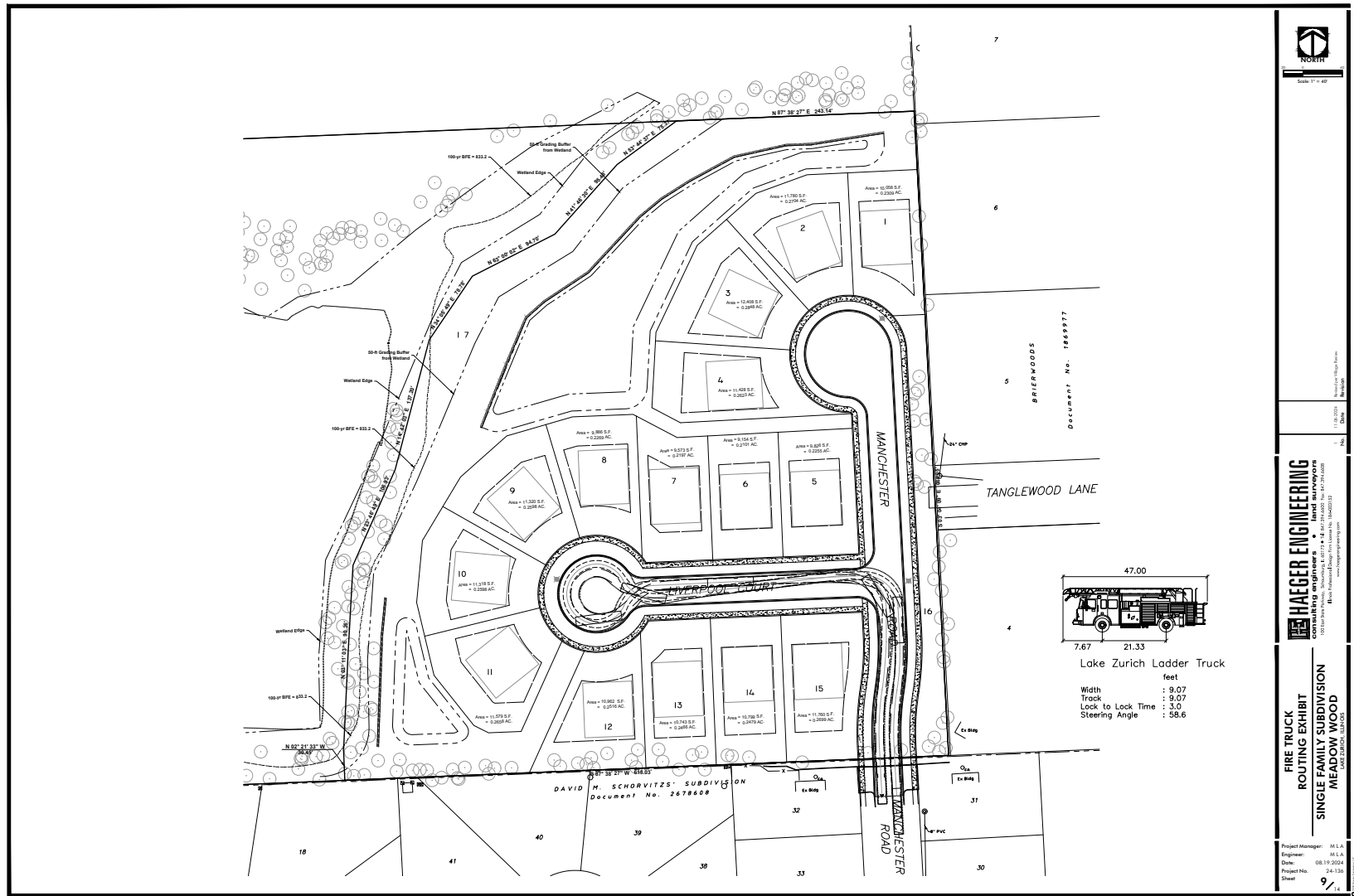


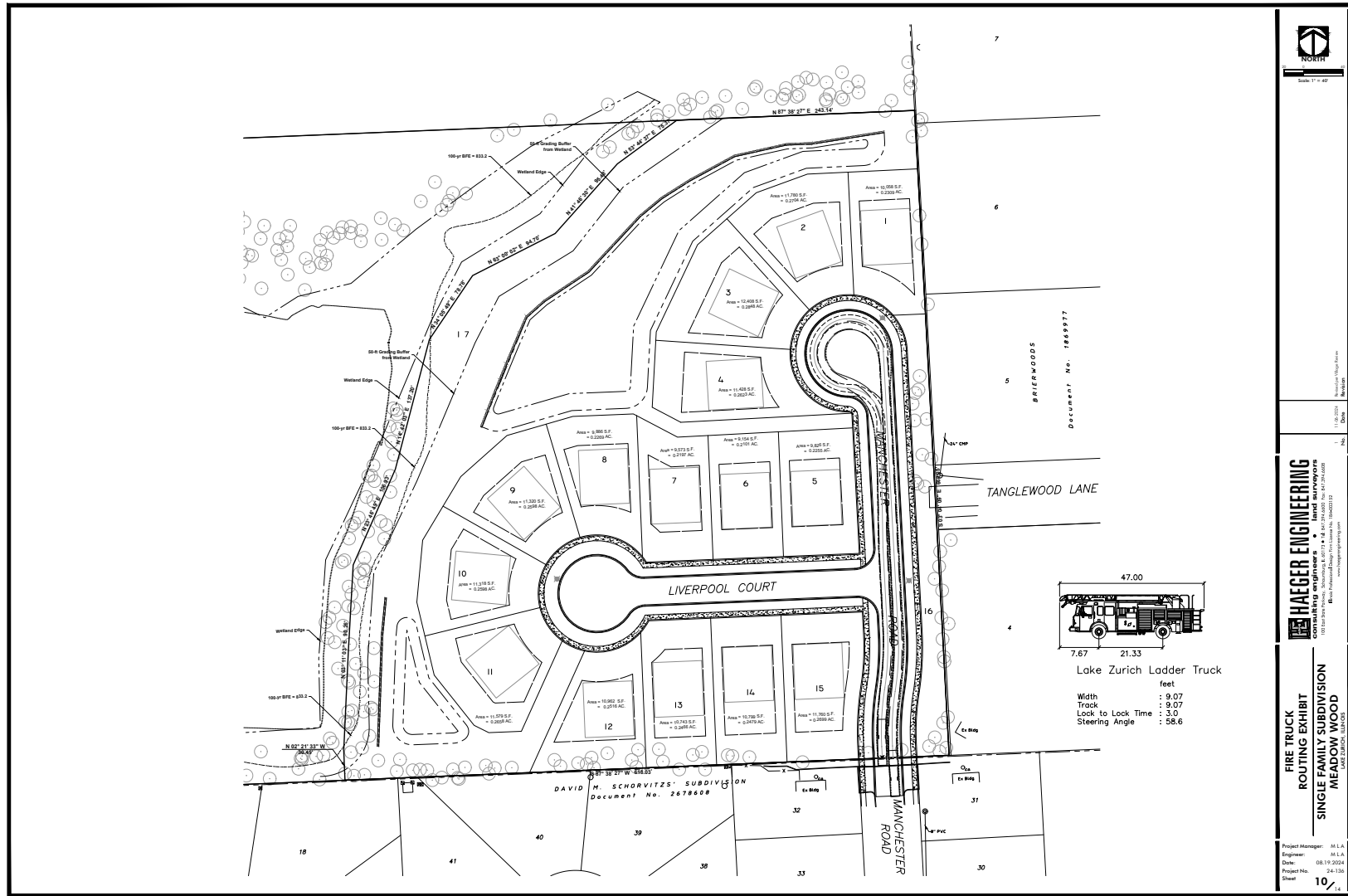


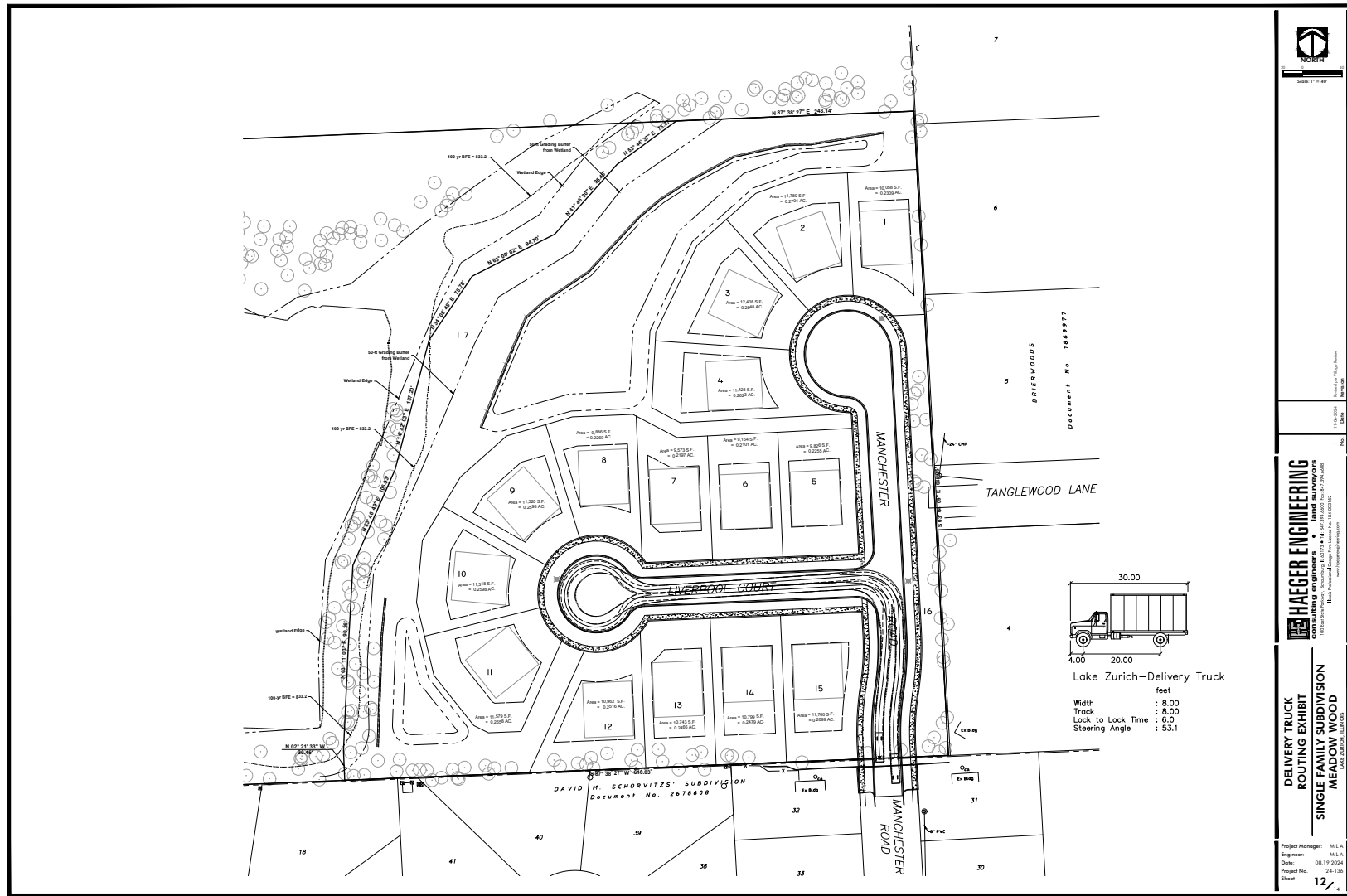


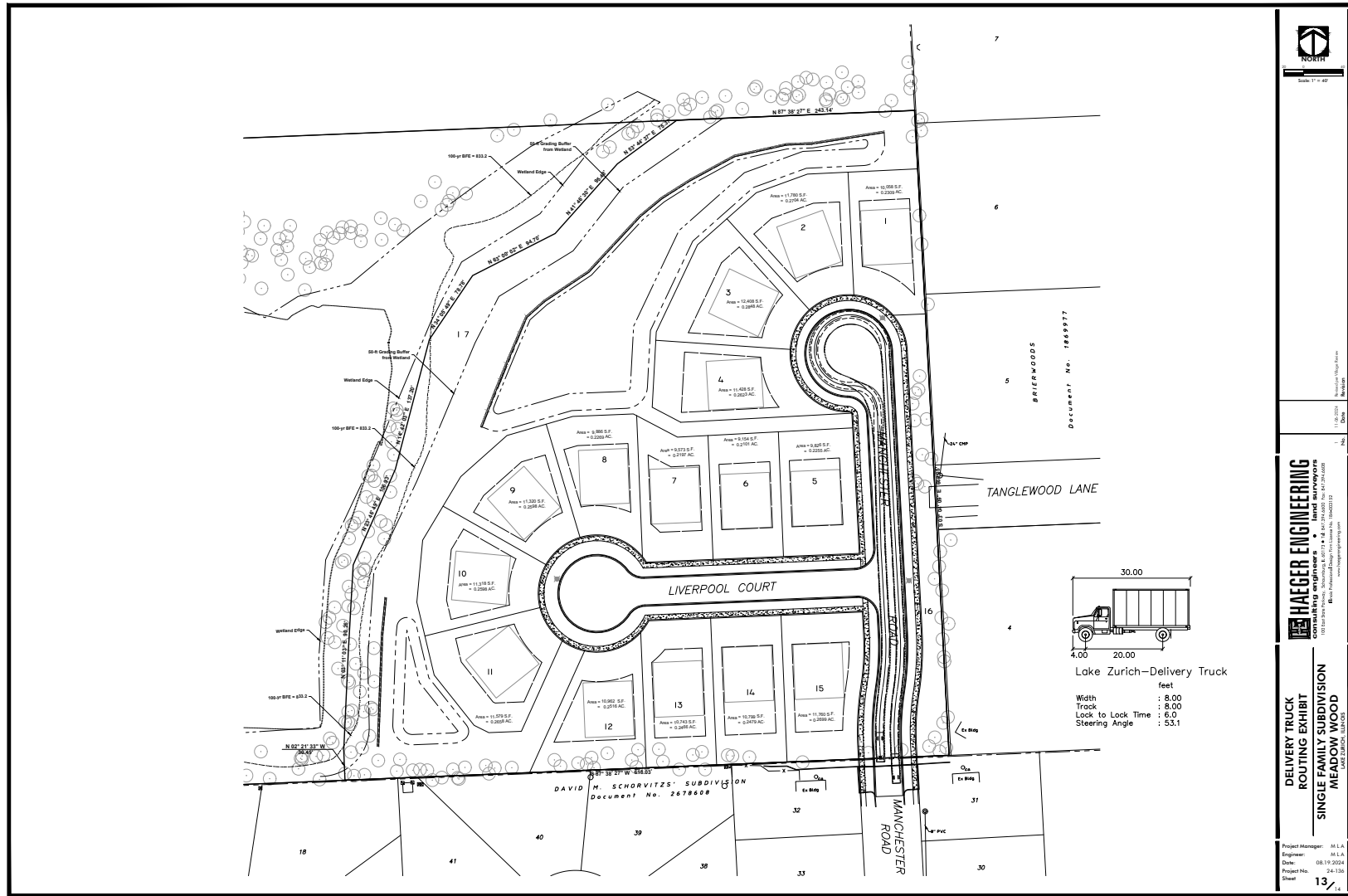


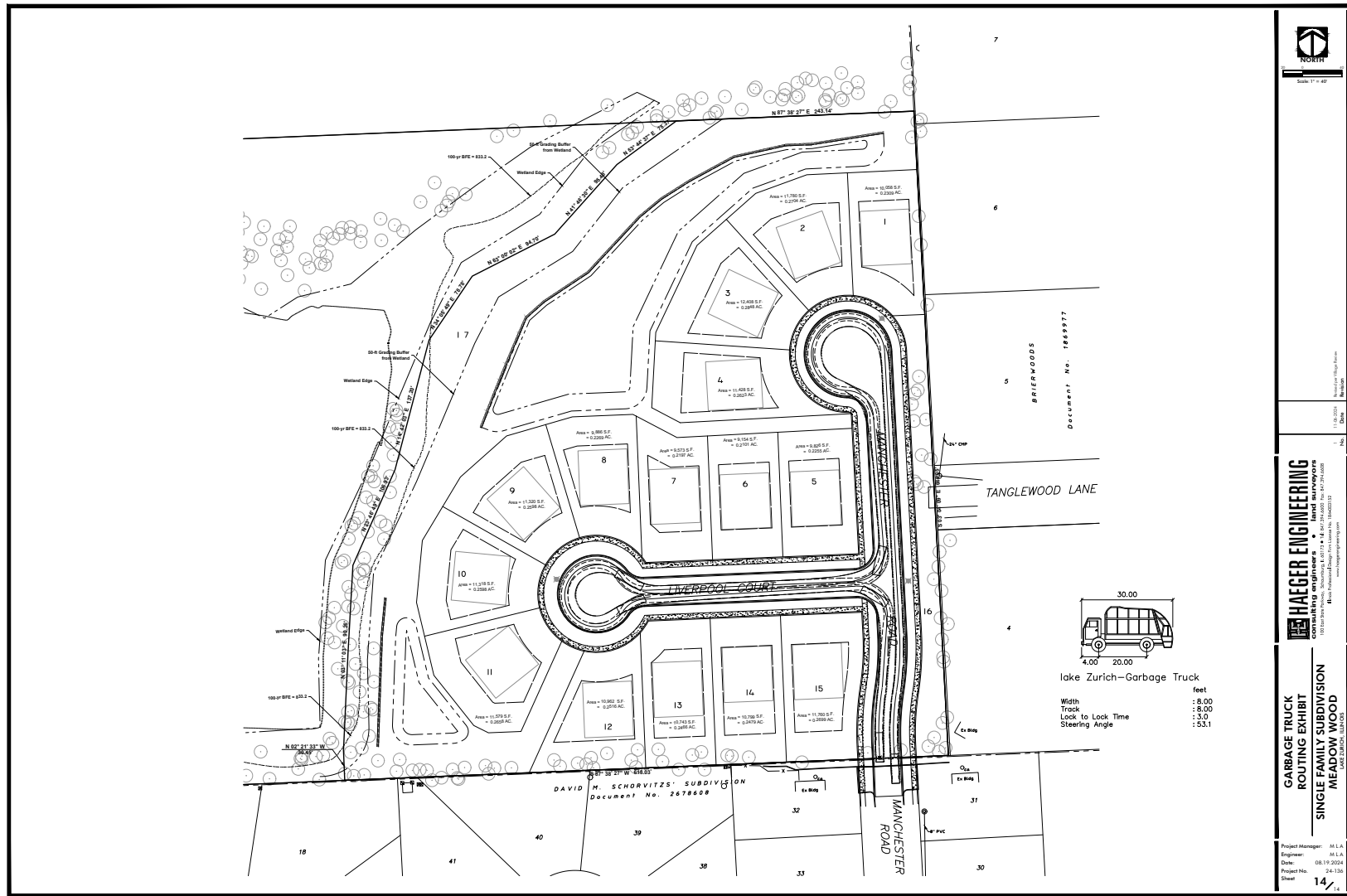












PRELIMINARY STORMWATER MANAGEMENT SUBMITTAL

Contents:

1	Stormwater Submittal
Appendix A	Existing Conditions Drainage Exhibit
Appendix A-1	Existing Conditions PondPack Report
Appendix B	Proposed Conditions Drainage Exhibit
Appendix B-1	Proposed Conditions PondPack Report – Pond Sizing Model
Appendix B-2	Proposed Stormwater Calculations

Project:

Meadow Wood
Single-Family Subdivision

Location:

Lake Zurich, Illinois

Prepared For:

Casey Builders
509 W. Old Northwest Highway
Barrington, IL 60010

Date:

November 6, 2024

Prepared By:

Kim Lask, P.E.
Kevin Lipinski
Haeger Project No.: 24-136



ENGINEERING | SURVEYING | CONSTRUCTION





STORMWATER NARRATIVE

Introduction

This narrative presents the results of the preliminary stormwater analysis for the proposed Meadow Wood single family subdivision located between Tanglewood Lane and Manchester Road in Lake Zurich, Illinois (Lake County) with PIN numbers: 1407402041, 1407402042, 1407402043, 1407402044, 1407402045, 1407402046, 1407402047, 1407402048, 1407402049, 1407402050 and 1407402051. The property consists of 7.81 acres of land and is proposing to build 15 single-family residences.

Existing Conditions

The 7.81-acre site is currently vacant. There is an existing east-west drainage divide closer to the eastern property boundary. The time of concentration (Tc) was calculated to be 46.2 minutes and the curve number was calculated to be 78, both of which can be found in the "Existing Conditions PondPack Report" in *Appendix A-1*. Offsite areas drain onto and through the existing site and a portion of onsite area sheds offsite, as seen in the "Existing Conditions Drainage Exhibit" in *Appendix A*.

Compensatory Storage

The existing site has a depressional storage area along the east boundary, as seen in the "Existing Conditions Drainage Exhibit" in *Appendix A*. An existing 12" storm sewer was included in the hydraulic modeling. To determine the volume that must be accounted for, an "Existing Conditions PondPack Report" was evaluated, as seen in *Appendix A-1*. The total area of on and off-site tributaries to the depressional storage area is 1.95 acres. A peak compensatory storage volume of 0.08 acre-ft was obtained during the 100-year, 2-hour storm event.

Proposed Conditions

Detention storage is being provided for the proposed detained area and the 0.08 acre-ft of compensatory storage. To determine the required detention volume, a "Proposed Conditions PondPack Report" was evaluated, as seen in *Appendix B-1*. The required detention storage for the 100-year, 24-hour storm was found to be 2.80 acre-ft and 0.17 acre-ft for the north and south ponds, respectively. Adding these volumes to the 0.08 acre-ft of required compensatory storage equals a required detention volume of 3.05 acre-ft. The proposed north and south detention ponds provide 3.56 acre-ft of storage, collectively.

The time of concentration (Tc) was conservatively assumed to be 10 minutes for the tributary areas to both pond A and B. Bulletin-75 rainfall depths were used for all stormwater calculations and stormwater models. Please refer to the "Proposed Conditions Drainage Exhibit" in *Appendix B* for the delineated drainage areas.

The drainage areas are comprised of multiple ground cover types over varying soils belonging to different hydrologic soil groups. Each of these areas have been delineated on the "Proposed Conditions Drainage Exhibit" included in *Appendix B*. For soils belonging to dual soil groups (C/D), they were conservatively assumed to be undrained and their areas were accounted for with CN values for hydrologic soil group D.

An outlet control structure (OCS) with a 2-year and 100-year restrictor was designed for the north pond. The restrictors were designed assuming that all area tributary to the north and south ponds was solely tributary to the north pond, due to the south pond not having an OCS. Please refer to the "Proposed Stormwater Calculations" in *Appendix B-2* for additional information regarding the proposed restrictor design. The 2-year design release rate is 0.27 cfs at the 2-year design HWL of 835.28. The 100-year design release rate is 1.01 at the 100-year high water level (HWL) of 839.00. The north and south ponds



Meadow Wood Subdivision– Lake Zurich, IL
Preliminary Stormwater Management Report

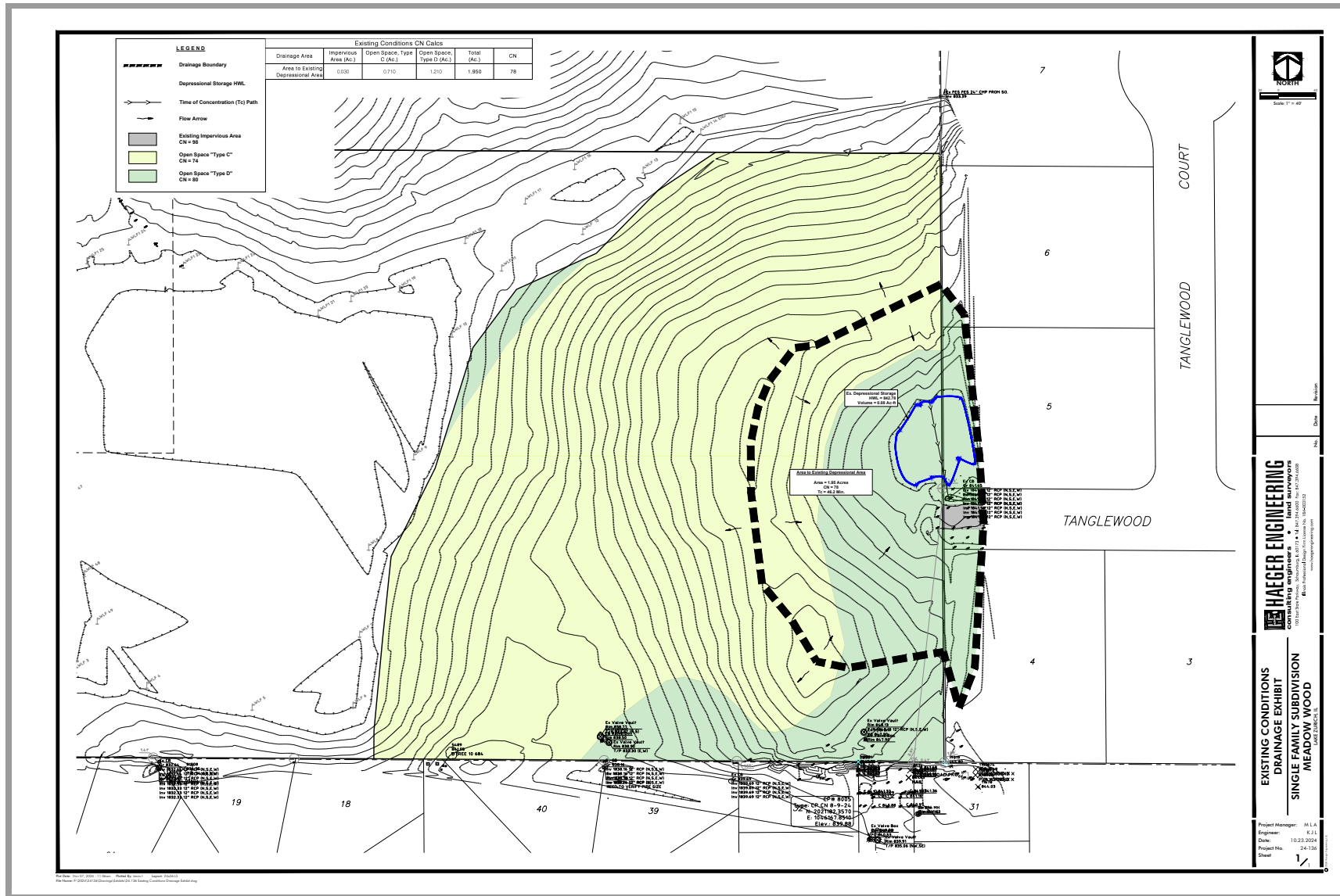
November 6, 2024

are designed to be connected via a 36" equalizing pipe. Further information can be found in the "Proposed Conditions PondPack Report – Pond Sizing Model" in *Appendix B-1*.

Runoff Volume Reduction (RVR) storage is located between the pond bottom and the pond normal water level (NWL) for both the north and south ponds. Further information can be found in the "Proposed Stormwater Calculations" in *Appendix B-2*.

APPENDIX A

Existing Conditions Drainage Exhibit



APPENDIX A-1

Existing Conditions PondPack Report



Project Summary	
Title	24-136 Existing Conditions PondPack Model
Engineer	KJL
Company	Haeger Engineering LLC
Date	10/23/2024
Notes	
Existing Conditions, Compensatory Storage Calculation	

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Subsection: Master Network Summary

Catchments Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ac-ft)	Time to Peak (hours)	Peak Flow (ft ³ /s)
Area to Existing Depressional Area	100 yr 1 hr	100.00	0.310	0.85	3.84
Area to Existing Depressional Area	100 yr 2 hr	100.00	0.436	1.00	3.84
Area to Existing Depressional Area	100 yr 3 hr	100.00	0.509	1.20	3.61

Node Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ac-ft)	Time to Peak (hours)	Peak Flow (ft ³ /s)
From Existing Depressional Area	100 yr 1 hr	100.00	0.310	1.15	2.94
From Existing Depressional Area	100 yr 2 hr	100.00	0.436	1.40	3.07
From Existing Depressional Area	100 yr 3 hr	100.00	0.509	1.55	2.95

Pond Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ac-ft)	Time to Peak (hours)	Peak Flow (ft ³ /s)	Maximum Water Surface Elevation (ft)	Maximum Pond Storage (ac-ft)
Existing Depressional Area (IN)	100 yr 1 hr	100.00	0.310	0.85	3.84	(N/A)	(N/A)
Existing Depressional Area (OUT)	100 yr 1 hr	100.00	0.310	1.15	2.94	842.74	0.076
Existing Depressional Area (IN)	100 yr 2 hr	100.00	0.436	1.00	3.84	(N/A)	(N/A)
Existing Depressional Area (OUT)	100 yr 2 hr	100.00	0.436	1.40	3.07	842.78	0.081
Existing Depressional Area (IN)	100 yr 3 hr	100.00	0.509	1.20	3.61	(N/A)	(N/A)
Existing Depressional Area (OUT)	100 yr 3 hr	100.00	0.509	1.55	2.95	842.74	0.076

Subsection: Time-Depth Curve
 Label: B75 - 100 Year Critical Storm
 Scenario: 100 yr 1 hr

Return Event: 100.00 years
 Storm Event: 1 hr 100 yr

Time-Depth Curve: 1 hr 100 yr	
Label	1 hr 100 yr
Start Time	0.00 hours
Increment	0.01 hours
End Time	1.00 hours
Return Event	100.00 years

CUMULATIVE RAINFALL (in)
Output Time Increment = 0.01 hours
Time on left represents time for first value in each row.

Time (hours)	Depth (in)	Depth (in)	Depth (in)	Depth (in)	Depth (in)
0.00	0.00	0.08	0.16	0.24	0.32
0.05	0.41	0.50	0.59	0.68	0.78
0.10	0.88	0.98	1.08	1.18	1.28
0.15	1.38	1.48	1.57	1.66	1.75
0.20	1.84	1.93	2.00	2.08	2.16
0.25	2.24	2.30	2.37	2.43	2.50
0.30	2.55	2.60	2.64	2.69	2.73
0.35	2.77	2.80	2.84	2.87	2.90
0.40	2.94	2.97	3.00	3.03	3.05
0.45	3.08	3.11	3.13	3.16	3.19
0.50	3.22	3.24	3.27	3.30	3.32
0.55	3.35	3.37	3.40	3.42	3.45
0.60	3.47	3.49	3.51	3.53	3.55
0.65	3.57	3.59	3.61	3.63	3.64
0.70	3.66	3.68	3.69	3.71	3.72
0.75	3.74	3.75	3.76	3.77	3.79
0.80	3.80	3.81	3.83	3.84	3.85
0.85	3.86	3.87	3.89	3.90	3.91
0.90	3.92	3.93	3.94	3.95	3.96
0.95	3.97	3.99	4.00	4.01	4.02
1.00	4.03	(N/A)	(N/A)	(N/A)	(N/A)

Subsection: Time-Depth Curve
 Label: B75 - 100 Year Critical Storm
 Scenario: 100 yr 2 hr

Return Event: 100.00 years
 Storm Event: 2 hr 100 yr

Time-Depth Curve: 2 hr 100 yr	
Label	2 hr 100 yr
Start Time	0.00 hours
Increment	0.02 hours
End Time	2.00 hours
Return Event	100.00 years

CUMULATIVE RAINFALL (in)
Output Time Increment = 0.02 hours
Time on left represents time for first value in each row.

Time (hours)	Depth (in)	Depth (in)	Depth (in)	Depth (in)	Depth (in)
0.00	0.00	0.10	0.20	0.30	0.40
0.10	0.51	0.62	0.73	0.84	0.96
0.20	1.09	1.21	1.34	1.46	1.58
0.30	1.70	1.82	1.94	2.05	2.16
0.40	2.27	2.37	2.47	2.57	2.66
0.50	2.76	2.84	2.92	3.00	3.08
0.60	3.14	3.20	3.26	3.32	3.37
0.70	3.41	3.46	3.50	3.54	3.58
0.80	3.62	3.66	3.70	3.73	3.76
0.90	3.80	3.83	3.86	3.90	3.93
1.00	3.97	4.00	4.03	4.06	4.10
1.10	4.13	4.16	4.19	4.22	4.25
1.20	4.28	4.30	4.33	4.36	4.38
1.30	4.41	4.43	4.45	4.47	4.49
1.40	4.51	4.53	4.55	4.57	4.59
1.50	4.61	4.62	4.64	4.65	4.67
1.60	4.69	4.70	4.72	4.73	4.75
1.70	4.76	4.78	4.79	4.81	4.82
1.80	4.83	4.85	4.86	4.88	4.89
1.90	4.90	4.92	4.93	4.94	4.96
2.00	4.97	(N/A)	(N/A)	(N/A)	(N/A)

Subsection: Time-Depth Curve
 Label: B75 - 100 Year Critical Storm
 Scenario: 100 yr 3 hr

Return Event: 100.00 years
 Storm Event: 3 hr 100 yr

Time-Depth Curve: 3 hr 100 yr	
Label	3 hr 100 yr
Start Time	0.00 hours
Increment	0.03 hours
End Time	3.00 hours
Return Event	100.00 years

CUMULATIVE RAINFALL (in)
Output Time Increment = 0.03 hours
Time on left represents time for first value in each row.

Time (hours)	Depth (in)	Depth (in)	Depth (in)	Depth (in)	Depth (in)
0.00	0.00	0.11	0.22	0.33	0.44
0.15	0.56	0.69	0.81	0.93	1.06
0.30	1.20	1.34	1.47	1.61	1.75
0.45	1.88	2.01	2.14	2.26	2.38
0.60	2.50	2.62	2.73	2.83	2.94
0.75	3.05	3.14	3.22	3.31	3.40
0.90	3.47	3.54	3.60	3.67	3.72
1.05	3.77	3.82	3.86	3.91	3.95
1.20	4.00	4.04	4.08	4.12	4.16
1.35	4.19	4.23	4.27	4.31	4.34
1.50	4.38	4.42	4.45	4.49	4.53
1.65	4.56	4.60	4.63	4.66	4.70
1.80	4.73	4.75	4.78	4.81	4.84
1.95	4.87	4.89	4.92	4.94	4.96
2.10	4.99	5.01	5.03	5.05	5.07
2.25	5.09	5.11	5.12	5.14	5.16
2.40	5.18	5.19	5.21	5.23	5.25
2.55	5.26	5.28	5.29	5.31	5.32
2.70	5.34	5.36	5.37	5.39	5.40
2.85	5.41	5.43	5.44	5.46	5.47
3.00	5.49	(N/A)	(N/A)	(N/A)	(N/A)

Subsection: Time of Concentration Calculations

Label: Area to Existing Depressional Area

Scenario: 100 yr 2 hr

Return Event: 100.00 years

Storm Event: 2 hr 100 yr

Time of Concentration Results

Segment #1: TR-55 Sheet Flow	
Hydraulic Length	100.00 ft
Manning's n	0.240
Slope	0.001 ft/ft
2 Year 24 Hour Depth	3.34 in
Average Velocity	0.04 ft/s
Segment Time of Concentration	0.77 hours

Time of Concentration (Composite)	
Time of Concentration (Composite)	0.77 hours

Subsection: Time of Concentration Calculations

Label: Area to Existing Depressional Area

Scenario: 100 yr 2 hr

Return Event: 100.00 years

Storm Event: 2 hr 100 yr

==== SCS Channel Flow

$$T_c = \frac{R = Q_a / W_p}{V = (1.49 * (R^{2/3}) * (S_f^{-0.5})) / n}$$

Where:

$(L_f / V) / 3600$

R= Hydraulic radius
 Aq= Flow area, square feet
 Wp= Wetted perimeter, feet
 V= Velocity, ft/sec
 Sf= Slope, ft/ft
 n= Manning's n
 Tc= Time of concentration, hours
 Lf= Flow length, feet

Subsection: Runoff CN-Area
 Label: Area to Existing Depressional Area
 Scenario: 100 yr 2 hr

Return Event: 100.00 years
 Storm Event: 2 hr 100 yr

Runoff Curve Number Data

Soil/Surface Description	CN	Area (acres)	C (%)	UC (%)	Adjusted CN
Type C Open Space	74.000	0.710	0.0	0.0	74.000
Type D Open Space	80.000	1.210	0.0	0.0	80.000
Impervious Area	98.000	0.030	0.0	0.0	98.000
COMPOSITE AREA & WEIGHTED CN --->	(N/A)	1.950	(N/A)	(N/A)	78.092

Subsection: Elevation vs. Volume Curve

Label: Existing Depressional Area

Scenario: 100 yr 2 hr

Return Event: 100.00 years

Storm Event: 2 hr 100 yr

Elevation-Volume

Pond Elevation (ft)	Pond Volume (ac-ft)
841.00	0.000
842.00	0.000
843.00	0.103
844.00	0.389

Subsection: Outlet Input Data
Label: Existing OCS
Scenario: 100 yr 2 hr

Return Event: 100.00 years
Storm Event: 2 hr 100 yr

Requested Pond Water Surface Elevations	
Minimum (Headwater)	841.00 ft
Increment (Headwater)	0.50 ft
Maximum (Headwater)	844.00 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Orifice-Circular Tailwater Settings	Existing CB Tailwater	Forward	TW	841.58 (N/A)	844.00 (N/A)

Subsection: Outlet Input Data

Label: Existing OCS

Scenario: 100 yr 2 hr

Return Event: 100.00 years

Storm Event: 2 hr 100 yr

Structure ID: Existing CB	
Structure Type: Orifice-Circular	
Number of Openings	1
Elevation	841.58 ft
Orifice Diameter	12.00 in
Orifice Coefficient	0.610
Structure ID: TW	
Structure Type: TW Setup, DS Channel	
Tailwater Type	Free Outfall
Convergence Tolerances	
Maximum Iterations	30
Tailwater Tolerance (Minimum)	0.01 ft
Tailwater Tolerance (Maximum)	0.50 ft
Headwater Tolerance (Minimum)	0.01 ft
Headwater Tolerance (Maximum)	0.50 ft
Flow Tolerance (Minimum)	0.001 ft ³ /s
Flow Tolerance (Maximum)	10.000 ft ³ /s

Subsection: Individual Outlet Curves

Label: Existing OCS

Scenario: 100 yr 2 hr

Return Event: 100.00 years

Storm Event: 2 hr 100 yr

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = Existing CB (Orifice-Circular)

Upstream ID = (Pond Water Surface)

Downstream ID = Tailwater (Pond Outfall)

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)	Computation Messages
841.00	0.00	(N/A)	0.00	HW & TW below invert
841.50	0.00	(N/A)	0.00	HW & TW below invert
841.58	0.00	(N/A)	0.00	Upstream HW & DNstream TW < Inv.El
842.00	0.55	(N/A)	0.00	CRIT.DEPTH CONTROL Vh= .112ft Dcr= .308ft CRIT.DEPTH Hev= .00ft
842.50	2.25	(N/A)	0.00	CRIT.DEPTH CONTROL Vh= .278ft Dcr= .642ft CRIT.DEPTH Hev= .00ft
843.00	3.69	(N/A)	0.00	H =.92
843.50	4.58	(N/A)	0.00	H =1.42
844.00	5.33	(N/A)	0.00	H =1.92

Subsection: Composite Rating Curve
Label: Existing OCS
Scenario: 100 yr 2 hr

Return Event: 100.00 years
Storm Event: 2 hr 100 yr

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)	Contributing Structures
841.00	0.00	(N/A)	0.00	None Contributing
841.50	0.00	(N/A)	0.00	None Contributing
841.58	0.00	(N/A)	0.00	None Contributing
842.00	0.55	(N/A)	0.00	Existing CB
842.50	2.25	(N/A)	0.00	Existing CB
843.00	3.69	(N/A)	0.00	Existing CB
843.50	4.58	(N/A)	0.00	Existing CB
844.00	5.33	(N/A)	0.00	Existing CB

Subsection: Elevation-Volume-Flow Table (Pond)

Label: Existing Depressional Area

Scenario: 100 yr 2 hr

Return Event: 100.00 years

Storm Event: 2 hr 100 yr

Infiltration

Infiltration Method (Computed)	No Infiltration
-----------------------------------	-----------------

Initial Conditions

Elevation (Water Surface, Initial)	841.00 ft
Volume (Initial)	0.000 ac-ft
Flow (Initial Outlet)	0.00 ft ³ /s
Flow (Initial Infiltration)	0.00 ft ³ /s
Flow (Initial, Total)	0.00 ft ³ /s
Time Increment	0.05 hours

Elevation (ft)	Outflow (ft ³ /s)	Storage (ac-ft)	Area (acres)	Infiltration (ft ³ /s)	Flow (Total) (ft ³ /s)	2S/t + O (ft ³ /s)
841.00	0.00	0.000	0.000	0.00	0.00	0.00
841.50	0.00	0.000	0.000	0.00	0.00	0.02
841.58	0.00	0.000	0.000	0.00	0.00	0.03
842.00	0.55	0.000	0.000	0.00	0.55	0.60
842.50	2.25	0.052	0.000	0.00	2.25	27.20
843.00	3.69	0.103	0.000	0.00	3.69	53.54
843.50	4.58	0.246	0.000	0.00	4.58	123.64
844.00	5.33	0.389	0.000	0.00	5.33	193.60

Subsection: Level Pool Pond Routing Summary
 Label: Existing Depressional Area (IN)
 Scenario: 100 yr 1 hr

Return Event: 100.00 years
 Storm Event: 1 hr 100 yr

Infiltration

Infiltration Method (Computed)	No Infiltration
-----------------------------------	-----------------

Initial Conditions

Elevation (Water Surface, Initial)	841.00 ft
Volume (Initial)	0.000 ac-ft
Flow (Initial Outlet)	0.00 ft ³ /s
Flow (Initial Infiltration)	0.00 ft ³ /s
Flow (Initial, Total)	0.00 ft ³ /s
Time Increment	0.05 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	3.84 ft ³ /s	Time to Peak (Flow, In)	0.85 hours
Flow (Peak Outlet)	2.94 ft ³ /s	Time to Peak (Flow, Outlet)	1.15 hours

Elevation (Water Surface, Peak)	842.74 ft
Volume (Peak)	0.076 ac-ft

Mass Balance (ac-ft)

Volume (Initial)	0.000 ac-ft
Volume (Total Inflow)	0.310 ac-ft
Volume (Total Infiltration)	0.000 ac-ft
Volume (Total Outlet Outflow)	0.310 ac-ft
Volume (Retained)	0.000 ac-ft
Volume (Unrouted)	0.000 ac-ft
Error (Mass Balance)	0.0 %

Subsection: Level Pool Pond Routing Summary

Label: Existing Depressional Area (IN)

Scenario: 100 yr 2 hr

Return Event: 100.00 years

Storm Event: 2 hr 100 yr

Infiltration

Infiltration Method (Computed)	No Infiltration
-----------------------------------	-----------------

Initial Conditions

Elevation (Water Surface, Initial)	841.00 ft
Volume (Initial)	0.000 ac-ft
Flow (Initial Outlet)	0.00 ft ³ /s
Flow (Initial Infiltration)	0.00 ft ³ /s
Flow (Initial, Total)	0.00 ft ³ /s
Time Increment	0.05 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	3.84 ft ³ /s	Time to Peak (Flow, In)	1.00 hours
Flow (Peak Outlet)	3.07 ft ³ /s	Time to Peak (Flow, Outlet)	1.40 hours

Elevation (Water Surface, Peak)	842.78 ft
Volume (Peak)	0.081 ac-ft

Mass Balance (ac-ft)

Volume (Initial)	0.000 ac-ft
Volume (Total Inflow)	0.436 ac-ft
Volume (Total Infiltration)	0.000 ac-ft
Volume (Total Outlet Outflow)	0.436 ac-ft
Volume (Retained)	0.000 ac-ft
Volume (Unrouted)	0.000 ac-ft
Error (Mass Balance)	0.0 %

Subsection: Level Pool Pond Routing Summary
 Label: Existing Depressional Area (IN)
 Scenario: 100 yr 3 hr

Return Event: 100.00 years
 Storm Event: 3 hr 100 yr

Infiltration

Infiltration Method (Computed)	No Infiltration
-----------------------------------	-----------------

Initial Conditions

Elevation (Water Surface, Initial)	841.00 ft
Volume (Initial)	0.000 ac-ft
Flow (Initial Outlet)	0.00 ft ³ /s
Flow (Initial Infiltration)	0.00 ft ³ /s
Flow (Initial, Total)	0.00 ft ³ /s
Time Increment	0.05 hours

Inflow/Outflow Hydrograph Summary

Flow (Peak In)	3.61 ft ³ /s	Time to Peak (Flow, In)	1.20 hours
Flow (Peak Outlet)	2.95 ft ³ /s	Time to Peak (Flow, Outlet)	1.55 hours

Elevation (Water Surface, Peak)	842.74 ft
Volume (Peak)	0.076 ac-ft

Mass Balance (ac-ft)

Volume (Initial)	0.000 ac-ft
Volume (Total Inflow)	0.509 ac-ft
Volume (Total Infiltration)	0.000 ac-ft
Volume (Total Outlet Outflow)	0.509 ac-ft
Volume (Retained)	0.000 ac-ft
Volume (Unrouted)	0.000 ac-ft
Error (Mass Balance)	0.0 %

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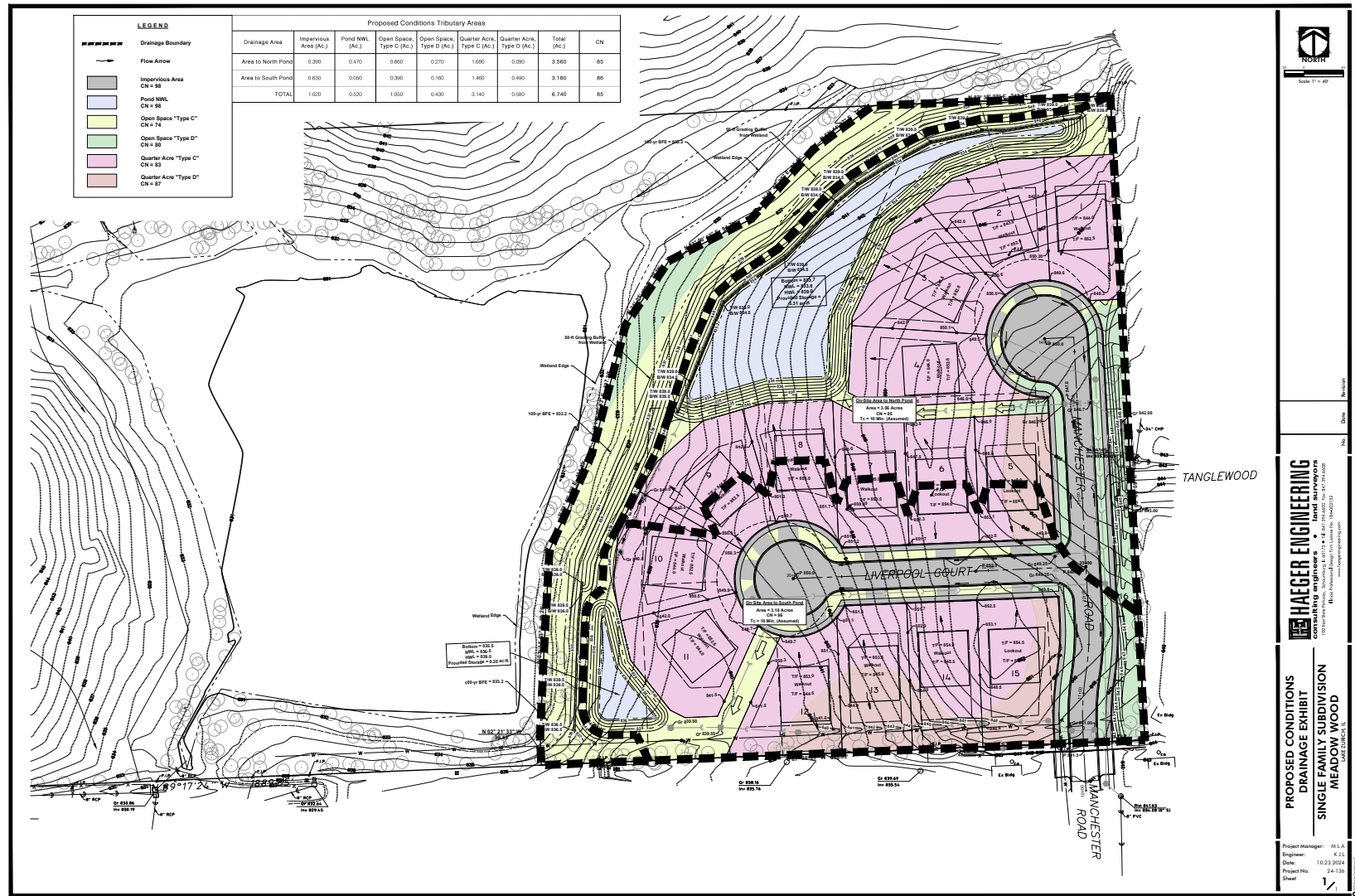
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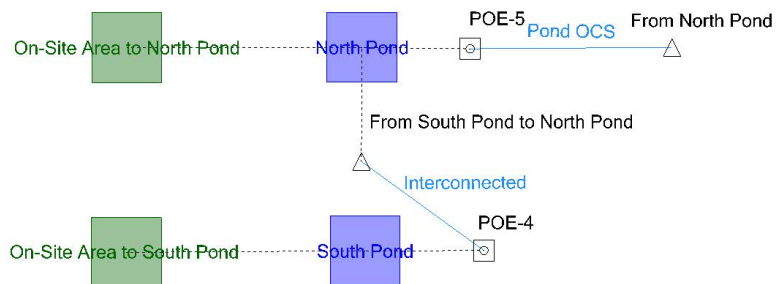
Proposed Conditions Drainage Exhibit



APPENDIX B-1

Proposed Conditions PondPack Report -

Pond Sizing Model



Project Summary	
Title	24-136 Proposed Conditions PondPack Pond Sizing Model
Engineer	KJL
Company	Haeger Engineering LLC
Date	11/7/2024
Notes	
Proposed Conditions Model. Required Detention Storage Calculation.	

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Subsection: Master Network Summary

Catchments Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ac-ft)	Time to Peak (hours)	Peak Flow (ft ³ /s)
On-Site Area to South Pond	2 yr 24 hr	2.00	0.519	15.90	0.75
On-Site Area to South Pond	100 yr 24 hr	100.00	1.825	15.80	2.31
On-Site Area to North Pond	2 yr 24 hr	2.00	0.557	15.90	0.82
On-Site Area to North Pond	100 yr 24 hr	100.00	2.007	15.80	2.56

Node Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ac-ft)	Time to Peak (hours)	Peak Flow (ft ³ /s)
From North Pond	2 yr 24 hr	2.00	1.039	24.00	0.27
From North Pond	100 yr 24 hr	100.00	3.542	21.10	0.92

Pond Summary

Label	Scenario	Return Event (years)	Hydrograph Volume (ac-ft)	Time to Peak (hours)	Peak Flow (ft ³ /s)	Maximum Water Surface Elevation (ft)	Maximum Pond Storage (ac-ft)
South Pond (IN)	2 yr 24 hr	2.00	0.519	15.90	0.75	(N/A)	(N/A)
South Pond (OUT)	2 yr 24 hr	2.00	0.519	16.10	0.74	836.84	0.027
South Pond (IN)	100 yr 24 hr	100.00	1.825	15.80	2.31	(N/A)	(N/A)
South Pond (OUT)	100 yr 24 hr	100.00	1.781	15.10	2.28	838.29	0.168
North Pond (IN)	2 yr 24 hr	2.00	1.076	15.90	1.56	(N/A)	(N/A)
North Pond (OUT)	2 yr 24 hr	2.00	1.039	24.00	0.27	835.28	0.832
North Pond (IN)	100 yr 24 hr	100.00	3.788	15.10	4.82	(N/A)	(N/A)
North Pond (OUT)	100 yr 24 hr	100.00	3.542	21.10	0.92	838.29	2.799

Subsection: Time-Depth Curve
 Label: B75 - 100 Year Critical Storm
 Scenario: 100 yr 24 hr

Return Event: 100.00 years
 Storm Event: 24 hr 100 yr

Time-Depth Curve: 24 hr 100 yr

Label	24 hr 100 yr
Start Time	0.00 hours
Increment	0.24 hours
End Time	24.00 hours
Return Event	100.00 years

CUMULATIVE RAINFALL (in)
Output Time Increment = 0.24 hours
Time on left represents time for first value in each row.

Time (hours)	Depth (in)	Depth (in)	Depth (in)	Depth (in)	Depth (in)
0.00	0.00	0.04	0.08	0.13	0.17
1.20	0.21	0.26	0.31	0.35	0.40
2.40	0.45	0.50	0.55	0.60	0.65
3.60	0.70	0.75	0.80	0.85	0.91
4.80	0.96	1.01	1.07	1.12	1.18
6.00	1.23	1.28	1.34	1.39	1.44
7.20	1.50	1.55	1.61	1.66	1.73
8.40	1.79	1.86	1.92	1.99	2.06
9.60	2.13	2.21	2.29	2.38	2.48
10.80	2.57	2.67	2.78	2.89	3.00
12.00	3.12	3.27	3.43	3.58	3.74
13.20	3.90	4.07	4.24	4.41	4.59
14.40	4.77	4.95	5.14	5.32	5.50
15.60	5.69	5.87	6.05	6.22	6.39
16.80	6.56	6.72	6.86	7.00	7.14
18.00	7.28	7.38	7.48	7.58	7.67
19.20	7.75	7.82	7.89	7.96	8.01
20.40	8.06	8.10	8.15	8.19	8.22
21.60	8.26	8.29	8.33	8.36	8.39
22.80	8.42	8.45	8.48	8.51	8.54
24.00	8.57	(N/A)	(N/A)	(N/A)	(N/A)

Subsection: Time-Depth Curve
 Label: B75 - 2 Year Critical Storm
 Scenario: 2 yr 24 hr

Return Event: 2.00 years
 Storm Event: 24 hr 2 yr

Time-Depth Curve: 24 hr 2 yr	
Label	24 hr 2 yr
Start Time	0.00 hours
Increment	0.24 hours
End Time	24.00 hours
Return Event	2.00 years

CUMULATIVE RAINFALL (in)
Output Time Increment = 0.24 hours
Time on left represents time for first value in each row.

Time (hours)	Depth (in)	Depth (in)	Depth (in)	Depth (in)	Depth (in)
0.00	0.00	0.02	0.03	0.05	0.07
1.20	0.08	0.10	0.12	0.14	0.16
2.40	0.18	0.19	0.21	0.23	0.25
3.60	0.27	0.29	0.31	0.33	0.35
4.80	0.37	0.39	0.42	0.44	0.46
6.00	0.48	0.50	0.52	0.54	0.56
7.20	0.58	0.60	0.63	0.65	0.67
8.40	0.70	0.72	0.75	0.78	0.80
9.60	0.83	0.86	0.89	0.93	0.97
10.80	1.00	1.04	1.08	1.13	1.17
12.00	1.21	1.27	1.34	1.40	1.46
13.20	1.52	1.59	1.65	1.72	1.79
14.40	1.86	1.93	2.00	2.07	2.14
15.60	2.22	2.29	2.36	2.42	2.49
16.80	2.56	2.62	2.67	2.73	2.78
18.00	2.84	2.87	2.91	2.95	2.99
19.20	3.02	3.05	3.07	3.10	3.12
20.40	3.14	3.16	3.18	3.19	3.21
21.60	3.22	3.23	3.25	3.26	3.27
22.80	3.28	3.29	3.31	3.32	3.33
24.00	3.34	(N/A)	(N/A)	(N/A)	(N/A)

Subsection: Runoff CN-Area
 Label: On-Site Area to North Pond
 Scenario: 100 yr 24 hr

Return Event: 100.00 years
 Storm Event: 24 hr 100 yr

Runoff Curve Number Data

Soil/Surface Description	CN	Area (acres)	C (%)	UC (%)	Adjusted CN
Pond NWL	100.000	0.470	0.0	0.0	100.000
Impervious Area	98.000	0.390	0.0	0.0	98.000
Type C Open Space	74.000	0.660	0.0	0.0	74.000
Type D Open Space	80.000	0.270	0.0	0.0	80.000
Type C Quarter Acre	83.000	1.680	0.0	0.0	83.000
Type D Quarter Acre	87.000	0.090	0.0	0.0	87.000
COMPOSITE AREA & WEIGHTED CN --->	(N/A)	3.560	(N/A)	(N/A)	85.093

Subsection: Runoff CN-Area
 Label: On-Site Area to South Pond
 Scenario: 100 yr 24 hr

Return Event: 100.00 years
 Storm Event: 24 hr 100 yr

Runoff Curve Number Data

Soil/Surface Description	CN	Area (acres)	C (%)	UC (%)	Adjusted CN
Impervious Area	98.000	0.630	0.0	0.0	98.000
Type C Open Space	74.000	0.390	0.0	0.0	74.000
Type C Quarter Acre	83.000	1.460	0.0	0.0	83.000
Type D Quarter Acre	87.000	0.490	0.0	0.0	87.000
Pond NWL	100.000	0.050	0.0	0.0	100.000
Type D Open Space	80.000	0.160	0.0	0.0	80.000
COMPOSITE AREA & WEIGHTED CN --->	(N/A)	3.180	(N/A)	(N/A)	85.601

Subsection: Elevation vs. Volume Curve
Label: North Pond
Scenario: 100 yr 24 hr

Return Event: 100.00 years
Storm Event: 24 hr 100 yr

Elevation-Volume

Pond Elevation (ft)		Pond Volume (ac-ft)	
	833.70		0.000
	833.80		0.000
	834.00		0.104
	835.00		0.660
	836.00		1.263
	837.00		1.906
	838.00		2.588
	839.00		3.310

Subsection: Elevation vs. Volume Curve

Label: South Pond

Scenario: 100 yr 24 hr

Return Event: 100.00 years

Storm Event: 24 hr 100 yr

Elevation-Volume

Pond Elevation (ft)	Pond Volume (ac-ft)
835.50	0.000
836.50	0.000
837.00	0.039
838.00	0.134
839.00	0.252

Subsection: Outlet Input Data
Label: Interconnected Pond OCS
Scenario: 2 yr 24 hr

Return Event: 2.00 years
Storm Event: 24 hr 2 yr

Requested Pond Water Surface Elevations	
Minimum (Headwater)	835.50 ft
Increment (Headwater)	0.50 ft
Maximum (Headwater)	839.00 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Culvert-Circular	Interconnected Culvert	Forward + Reverse	TW	836.50	839.00
Tailwater Settings	Tailwater			(N/A)	(N/A)

Subsection: Outlet Input Data
 Label: Interconnected Pond OCS
 Scenario: 2 yr 24 hr

Return Event: 2.00 years
 Storm Event: 24 hr 2 yr

Structure ID: Interconnected Culvert	
Structure Type: Culvert-Circular	
Number of Barrels	1
Diameter	36.00 in
Length	240.00 ft
Length (Computed Barrel)	240.02 ft
Slope (Computed)	0.011 ft/ft
Outlet Control Data	
Manning's n	0.013
Ke	0.200
Kb	0.007
Kr	0.000
Convergence Tolerance	0.00 ft
Inlet Control Data	
Equation Form	Form 1
K	0.0045
M	2.0000
C	0.0317
Y	0.6900
T1 ratio (HW/D)	0.000
T2 ratio (HW/D)	1.192
Slope Correction Factor	-0.500

Use unsubmerged inlet control 0 equation below T1 elevation.
 Use submerged inlet control 0 equation above T2 elevation

In transition zone between unsubmerged and submerged inlet control,
 interpolate between flows at T1 & T2...

T1 Elevation	836.50 ft	T1 Flow	42.85 ft ³ /s
T2 Elevation	840.07 ft	T2 Flow	48.97 ft ³ /s

Subsection: Individual Outlet Curves
 Label: Interconnected Pond OCS
 Scenario: 2 yr 24 hr

Return Event: 2.00 years
 Storm Event: 24 hr 2 yr

RATING TABLE FOR ONE OUTLET TYPE
 Structure ID = Interconnected Culvert (Culvert-Circular)

Mannings open channel maximum capacity: 76.10 ft³/s
 Upstream ID = (Pond Water Surface)
 Downstream ID = Tailwater (Pond Outfall)

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)	Computation Messages
835.50	0.00	833.70	0.00	Upstream HW & DNstream TW < Inv.El
835.70	0.00	833.70	0.00	Upstream HW & DNstream TW < Inv.El
836.00	0.00	833.70	0.00	Upstream HW & DNstream TW < Inv.El
836.20	0.00	833.70	0.00	Upstream HW & DNstream TW < Inv.El
836.50	0.00	833.70	0.00	Upstream HW & DNstream TW < Inv.El
836.70	0.21	833.70	0.00	CRIT.DEPTH CONTROL Vh= .048ft Dcr= .142ft CRIT.DEPTH Hev= .00ft
837.00	1.31	833.70	0.00	CRIT.DEPTH CONTROL Vh= .121ft Dcr= .354ft CRIT.DEPTH Hev= .00ft
837.20	2.53	833.70	0.00	CRIT.DEPTH CONTROL Vh= .171ft Dcr= .495ft CRIT.DEPTH Hev= .00ft
837.50	5.03	833.70	0.00	CRIT.DEPTH CONTROL Vh= .248ft Dcr= .702ft CRIT.DEPTH Hev= .00ft
837.70	7.11	833.70	0.00	CRIT.DEPTH CONTROL Vh= .300ft Dcr= .839ft CRIT.DEPTH Hev= .00ft
838.00	10.80	833.70	0.00	CRIT.DEPTH CONTROL Vh= .382ft Dcr= 1.041ft CRIT.DEPTH Hev= .00ft
838.20	13.61	833.70	0.00	CRIT.DEPTH CONTROL Vh= .438ft Dcr= 1.174ft CRIT.DEPTH Hev= .00ft
838.50	18.28	833.70	0.00	CRIT.DEPTH CONTROL Vh= .526ft Dcr= 1.369ft CRIT.DEPTH Hev= .00ft
838.70	21.63	833.70	0.00	CRIT.DEPTH CONTROL Vh= .587ft Dcr= 1.495ft CRIT.DEPTH Hev= .00ft
839.00	26.99	833.70	0.00	CRIT.DEPTH CONTROL Vh= .683ft Dcr= 1.679ft CRIT.DEPTH Hev= .00ft

Subsection: Individual Outlet Curves
 Label: Interconnected Pond OCS
 Scenario: 2 yr 24 hr

Return Event: 2.00 years
 Storm Event: 24 hr 2 yr

RATING TABLE FOR ONE OUTLET TYPE
 Structure ID = Interconnected Culvert (Culvert-Circular)

Mannings open channel maximum capacity: 76.10 ft³/s
 Upstream ID = (Pond Water Surface)
 Downstream ID = Tailwater (Pond Outfall)

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)	Computation Messages
835.50	0.00	833.80	0.00	Upstream HW & DNstream TW < Inv.El
835.70	0.00	833.80	0.00	Upstream HW & DNstream TW < Inv.El
836.00	0.00	833.80	0.00	Upstream HW & DNstream TW < Inv.El
836.20	0.00	833.80	0.00	Upstream HW & DNstream TW < Inv.El
836.50	0.00	833.80	0.00	Upstream HW & DNstream TW < Inv.El
836.70	0.21	833.80	0.00	CRIT.DEPTH CONTROL Vh= .048ft Dcr= .142ft CRIT.DEPTH Hev= .00ft
837.00	1.31	833.80	0.00	CRIT.DEPTH CONTROL Vh= .121ft Dcr= .354ft CRIT.DEPTH Hev= .00ft
837.20	2.53	833.80	0.00	CRIT.DEPTH CONTROL Vh= .171ft Dcr= .495ft CRIT.DEPTH Hev= .00ft
837.50	5.03	833.80	0.00	CRIT.DEPTH CONTROL Vh= .248ft Dcr= .702ft CRIT.DEPTH Hev= .00ft
837.70	7.11	833.80	0.00	CRIT.DEPTH CONTROL Vh= .300ft Dcr= .839ft CRIT.DEPTH Hev= .00ft
838.00	10.80	833.80	0.00	CRIT.DEPTH CONTROL Vh= .382ft Dcr= 1.041ft CRIT.DEPTH Hev= .00ft
838.20	13.61	833.80	0.00	CRIT.DEPTH CONTROL Vh= .438ft Dcr= 1.174ft CRIT.DEPTH Hev= .00ft
838.50	18.28	833.80	0.00	CRIT.DEPTH CONTROL Vh= .526ft Dcr= 1.369ft CRIT.DEPTH Hev= .00ft
838.70	21.63	833.80	0.00	CRIT.DEPTH CONTROL Vh= .587ft Dcr= 1.495ft CRIT.DEPTH Hev= .00ft
839.00	26.99	833.80	0.00	CRIT.DEPTH CONTROL Vh= .683ft Dcr= 1.679ft CRIT.DEPTH Hev= .00ft

Subsection: Individual Outlet Curves
 Label: Interconnected Pond OCS
 Scenario: 2 yr 24 hr

Return Event: 2.00 years
 Storm Event: 24 hr 2 yr

RATING TABLE FOR ONE OUTLET TYPE
 Structure ID = Interconnected Culvert (Culvert-Circular)

Mannings open channel maximum capacity: 76.10 ft³/s
 Upstream ID = (Pond Water Surface)
 Downstream ID = Tailwater (Pond Outfall)

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)	Computation Messages
835.50	0.00	834.20	0.00	Upstream HW & DNstream TW < Inv.El
835.70	0.00	834.20	0.00	Upstream HW & DNstream TW < Inv.El
836.00	0.00	834.20	0.00	Upstream HW & DNstream TW < Inv.El
836.20	0.00	834.20	0.00	Upstream HW & DNstream TW < Inv.El
836.50	0.00	834.20	0.00	Upstream HW & DNstream TW < Inv.El
836.70	0.21	834.20	0.00	CRIT.DEPTH CONTROL Vh= .048ft Dcr= .142ft H.JUMP IN PIPE Hev= .00ft
837.00	1.31	834.20	0.00	CRIT.DEPTH CONTROL Vh= .121ft Dcr= .354ft H.JUMP IN PIPE Hev= .00ft
837.20	2.53	834.20	0.00	CRIT.DEPTH CONTROL Vh= .171ft Dcr= .495ft CRIT.DEPTH Hev= .00ft
837.50	5.03	834.20	0.00	CRIT.DEPTH CONTROL Vh= .248ft Dcr= .702ft CRIT.DEPTH Hev= .00ft
837.70	7.11	834.20	0.00	CRIT.DEPTH CONTROL Vh= .300ft Dcr= .839ft CRIT.DEPTH Hev= .00ft
838.00	10.80	834.20	0.00	CRIT.DEPTH CONTROL Vh= .382ft Dcr= 1.041ft CRIT.DEPTH Hev= .00ft
838.20	13.61	834.20	0.00	CRIT.DEPTH CONTROL Vh= .438ft Dcr= 1.174ft CRIT.DEPTH Hev= .00ft
838.50	18.28	834.20	0.00	CRIT.DEPTH CONTROL Vh= .526ft Dcr= 1.369ft CRIT.DEPTH Hev= .00ft
838.70	21.63	834.20	0.00	CRIT.DEPTH CONTROL Vh= .587ft Dcr= 1.495ft CRIT.DEPTH Hev= .00ft

Subsection: Individual Outlet Curves

Label: Interconnected Pond OCS

Scenario: 2 yr 24 hr

Return Event: 2.00 years

Storm Event: 24 hr 2 yr

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = Interconnected Culvert (Culvert-Circular)

Mannings open channel maximum capacity: 76.10 ft³/s

Upstream ID = (Pond Water Surface)

Downstream ID = Tailwater (Pond Outfall)

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)	Computation Messages
839.00	26.99	834.20	0.00	CRIT.DEPTH CONTROL Vh= .683ft Dcr= 1.679ft CRIT.DEPTH Hev= .00ft

Subsection: Individual Outlet Curves
 Label: Interconnected Pond OCS
 Scenario: 2 yr 24 hr

Return Event: 2.00 years
 Storm Event: 24 hr 2 yr

RATING TABLE FOR ONE OUTLET TYPE
 Structure ID = Interconnected Culvert (Culvert-Circular)

Mannings open channel maximum capacity: 76.10 ft³/s
 Upstream ID = (Pond Water Surface)
 Downstream ID = Tailwater (Pond Outfall)

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)	Computation Messages
835.50	0.00	834.70	0.00	Upstream HW & DNstream TW < Inv.El
835.70	0.00	834.70	0.00	Upstream HW & DNstream TW < Inv.El
836.00	0.00	834.70	0.00	Upstream HW & DNstream TW < Inv.El
836.20	0.00	834.70	0.00	Upstream HW & DNstream TW < Inv.El
836.50	0.00	834.70	0.00	Upstream HW & DNstream TW < Inv.El
836.70	0.21	834.70	0.00	CRIT.DEPTH CONTROL Vh= .048ft Dcr= .142ft H.JUMP IN PIPE Hev= .00ft
837.00	1.31	834.70	0.00	CRIT.DEPTH CONTROL Vh= .121ft Dcr= .354ft H.JUMP IN PIPE Hev= .00ft
837.20	2.53	834.70	0.00	CRIT.DEPTH CONTROL Vh= .171ft Dcr= .495ft H.JUMP IN PIPE Hev= .00ft
837.50	5.03	834.70	0.00	CRIT.DEPTH CONTROL Vh= .248ft Dcr= .702ft H.JUMP IN PIPE Hev= .00ft
837.70	7.11	834.70	0.00	CRIT.DEPTH CONTROL Vh= .300ft Dcr= .839ft H.JUMP IN PIPE Hev= .00ft
838.00	10.80	834.70	0.00	CRIT.DEPTH CONTROL Vh= .382ft Dcr= 1.041ft CRIT.DEPTH Hev= .00ft
838.20	13.61	834.70	0.00	CRIT.DEPTH CONTROL Vh= .438ft Dcr= 1.174ft CRIT.DEPTH Hev= .00ft
838.50	18.28	834.70	0.00	CRIT.DEPTH CONTROL Vh= .526ft Dcr= 1.369ft CRIT.DEPTH Hev= .00ft

Subsection: Individual Outlet Curves
Label: Interconnected Pond OCS
Scenario: 2 yr 24 hr

Return Event: 2.00 years
Storm Event: 24 hr 2 yr

RATING TABLE FOR ONE OUTLET TYPE
Structure ID = Interconnected Culvert (Culvert-Circular)

Mannings open channel maximum capacity: 76.10 ft³/s
Upstream ID = (Pond Water Surface)
Downstream ID = Tailwater (Pond Outfall)

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)	Computation Messages
838.70	21.63	834.70	0.00	CRIT.DEPTH CONTROL Vh= .587ft Dcr= 1.495ft CRIT.DEPTH Hev= .00ft
839.00	26.99	834.70	0.00	CRIT.DEPTH CONTROL Vh= .683ft Dcr= 1.679ft CRIT.DEPTH Hev= .00ft

Subsection: Individual Outlet Curves
 Label: Interconnected Pond OCS
 Scenario: 2 yr 24 hr

Return Event: 2.00 years
 Storm Event: 24 hr 2 yr

RATING TABLE FOR ONE OUTLET TYPE
 Structure ID = Interconnected Culvert (Culvert-Circular)

Mannings open channel maximum capacity: 76.10 ft³/s
 Upstream ID = (Pond Water Surface)
 Downstream ID = Tailwater (Pond Outfall)

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)	Computation Messages
835.50	0.00	835.20	0.00	Upstream HW & DNstream TW < Inv.El
835.70	0.00	835.20	0.00	Upstream HW & DNstream TW < Inv.El
836.00	0.00	835.20	0.00	Upstream HW & DNstream TW < Inv.El
836.20	0.00	835.20	0.00	Upstream HW & DNstream TW < Inv.El
836.50	0.00	835.20	0.00	Upstream HW & DNstream TW < Inv.El
836.70	0.21	835.20	0.00	CRIT.DEPTH CONTROL Vh= .048ft Dcr= .142ft H.JUMP IN PIPE Hev= .00ft
837.00	1.31	835.20	0.00	CRIT.DEPTH CONTROL Vh= .121ft Dcr= .354ft H.JUMP IN PIPE Hev= .00ft
837.20	2.53	835.20	0.00	CRIT.DEPTH CONTROL Vh= .171ft Dcr= .495ft H.JUMP IN PIPE Hev= .00ft
837.50	5.03	835.20	0.00	CRIT.DEPTH CONTROL Vh= .248ft Dcr= .702ft H.JUMP IN PIPE Hev= .00ft
837.70	7.11	835.20	0.00	CRIT.DEPTH CONTROL Vh= .300ft Dcr= .839ft H.JUMP IN PIPE Hev= .00ft
838.00	10.80	835.20	0.00	CRIT.DEPTH CONTROL Vh= .382ft Dcr= 1.041ft H.JUMP IN PIPE Hev= .00ft
838.20	13.61	835.20	0.00	CRIT.DEPTH CONTROL Vh= .438ft Dcr= 1.174ft H.JUMP IN PIPE Hev= .00ft

Subsection: Individual Outlet Curves
Label: Interconnected Pond OCS
Scenario: 2 yr 24 hr

Return Event: 2.00 years
Storm Event: 24 hr 2 yr

RATING TABLE FOR ONE OUTLET TYPE
Structure ID = Interconnected Culvert (Culvert-Circular)

Mannings open channel maximum capacity: 76.10 ft³/s
Upstream ID = (Pond Water Surface)
Downstream ID = Tailwater (Pond Outfall)

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)	Computation Messages
838.50	18.28	835.20	0.00	CRIT.DEPTH CONTROL Vh= .526ft Dcr= 1.369ft H.JUMP IN PIPE Hev= .00ft
838.70	21.63	835.20	0.00	CRIT.DEPTH CONTROL Vh= .587ft Dcr= 1.495ft CRIT.DEPTH Hev= .00ft
839.00	26.99	835.20	0.00	CRIT.DEPTH CONTROL Vh= .683ft Dcr= 1.679ft CRIT.DEPTH Hev= .00ft

Subsection: Individual Outlet Curves
 Label: Interconnected Pond OCS
 Scenario: 2 yr 24 hr

Return Event: 2.00 years
 Storm Event: 24 hr 2 yr

RATING TABLE FOR ONE OUTLET TYPE
 Structure ID = Interconnected Culvert (Culvert-Circular)

Mannings open channel maximum capacity: 76.10 ft³/s
 Upstream ID = (Pond Water Surface)
 Downstream ID = Tailwater (Pond Outfall)

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)	Computation Messages
835.50	0.00	835.50	0.00	Upstream HW & DNstream TW < Inv.El
835.70	0.00	835.50	0.00	Upstream HW & DNstream TW < Inv.El
836.00	0.00	835.50	0.00	Upstream HW & DNstream TW < Inv.El
836.20	0.00	835.50	0.00	Upstream HW & DNstream TW < Inv.El
836.50	0.00	835.50	0.00	Upstream HW & DNstream TW < Inv.El
836.70	0.21	835.50	0.00	CRIT.DEPTH CONTROL Vh= .048ft Dcr= .142ft H.JUMP IN PIPE Hev= .00ft
837.00	1.31	835.50	0.00	CRIT.DEPTH CONTROL Vh= .121ft Dcr= .354ft H.JUMP IN PIPE Hev= .00ft
837.20	2.53	835.50	0.00	CRIT.DEPTH CONTROL Vh= .171ft Dcr= .495ft H.JUMP IN PIPE Hev= .00ft
837.50	5.03	835.50	0.00	CRIT.DEPTH CONTROL Vh= .248ft Dcr= .702ft H.JUMP IN PIPE Hev= .00ft
837.70	7.11	835.50	0.00	CRIT.DEPTH CONTROL Vh= .300ft Dcr= .839ft H.JUMP IN PIPE Hev= .00ft
838.00	10.80	835.50	0.00	CRIT.DEPTH CONTROL Vh= .382ft Dcr= 1.041ft H.JUMP IN PIPE Hev= .00ft
838.20	13.61	835.50	0.00	CRIT.DEPTH CONTROL Vh= .438ft Dcr= 1.174ft H.JUMP IN PIPE Hev= .00ft

Subsection: Individual Outlet Curves
Label: Interconnected Pond OCS
Scenario: 2 yr 24 hr

Return Event: 2.00 years
Storm Event: 24 hr 2 yr

RATING TABLE FOR ONE OUTLET TYPE
Structure ID = Interconnected Culvert (Culvert-Circular)

Mannings open channel maximum capacity: 76.10 ft³/s
Upstream ID = (Pond Water Surface)
Downstream ID = Tailwater (Pond Outfall)

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)	Computation Messages
838.50	18.28	835.50	0.00	CRIT.DEPTH CONTROL Vh= .526ft Dcr= 1.369ft H.JUMP IN PIPE Hev= .00ft
838.70	21.63	835.50	0.00	CRIT.DEPTH CONTROL Vh= .587ft Dcr= 1.495ft H.JUMP IN PIPE Hev= .00ft
839.00	26.99	835.50	0.00	CRIT.DEPTH CONTROL Vh= .683ft Dcr= 1.679ft H.JUMP IN PIPE Hev= .00ft

Subsection: Individual Outlet Curves
 Label: Interconnected Pond OCS
 Scenario: 2 yr 24 hr

Return Event: 2.00 years
 Storm Event: 24 hr 2 yr

RATING TABLE FOR ONE OUTLET TYPE
 Structure ID = Interconnected Culvert (Culvert-Circular)

Mannings open channel maximum capacity: 76.10 ft³/s
 Upstream ID = (Pond Water Surface)
 Downstream ID = Tailwater (Pond Outfall)

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)	Computation Messages
835.50	0.00	835.70	0.00	REVERSE BACKWATER.. Vh= .000ft twDi= 2.706ft Lbw= 240.0ft Hev= .00ft
835.70	0.00	835.70	0.00	Upstream HW & DNstream TW < Inv.El
836.00	0.00	835.70	0.00	Upstream HW & DNstream TW < Inv.El
836.20	0.00	835.70	0.00	Upstream HW & DNstream TW < Inv.El
836.50	0.00	835.70	0.00	Upstream HW & DNstream TW < Inv.El
836.70	0.21	835.70	0.00	CRIT.DEPTH CONTROL Vh= .048ft Dcr= .142ft H.JUMP IN PIPE Hev= .00ft
837.00	1.31	835.70	0.00	CRIT.DEPTH CONTROL Vh= .121ft Dcr= .354ft H.JUMP IN PIPE Hev= .00ft
837.20	2.53	835.70	0.00	CRIT.DEPTH CONTROL Vh= .171ft Dcr= .495ft H.JUMP IN PIPE Hev= .00ft
837.50	5.03	835.70	0.00	CRIT.DEPTH CONTROL Vh= .248ft Dcr= .702ft H.JUMP IN PIPE Hev= .00ft
837.70	7.11	835.70	0.00	CRIT.DEPTH CONTROL Vh= .300ft Dcr= .839ft H.JUMP IN PIPE Hev= .00ft
838.00	10.80	835.70	0.00	CRIT.DEPTH CONTROL Vh= .382ft Dcr= 1.041ft H.JUMP IN PIPE Hev= .00ft
838.20	13.61	835.70	0.00	CRIT.DEPTH CONTROL Vh= .438ft Dcr= 1.174ft H.JUMP IN PIPE Hev= .00ft

Subsection: Individual Outlet Curves
Label: Interconnected Pond OCS
Scenario: 2 yr 24 hr

Return Event: 2.00 years
Storm Event: 24 hr 2 yr

RATING TABLE FOR ONE OUTLET TYPE
Structure ID = Interconnected Culvert (Culvert-Circular)

Mannings open channel maximum capacity: 76.10 ft³/s
Upstream ID = (Pond Water Surface)
Downstream ID = Tailwater (Pond Outfall)

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)	Computation Messages
838.50	18.28	835.70	0.00	CRIT.DEPTH CONTROL Vh= .526ft Dcr= 1.369ft H.JUMP IN PIPE Hev= .00ft
838.70	21.63	835.70	0.00	CRIT.DEPTH CONTROL Vh= .587ft Dcr= 1.495ft H.JUMP IN PIPE Hev= .00ft
839.00	26.99	835.70	0.00	CRIT.DEPTH CONTROL Vh= .683ft Dcr= 1.679ft H.JUMP IN PIPE Hev= .00ft

Subsection: Individual Outlet Curves
 Label: Interconnected Pond OCS
 Scenario: 2 yr 24 hr

Return Event: 2.00 years
 Storm Event: 24 hr 2 yr

RATING TABLE FOR ONE OUTLET TYPE
 Structure ID = Interconnected Culvert (Culvert-Circular)

Mannings open channel maximum capacity: 76.10 ft³/s
 Upstream ID = (Pond Water Surface)
 Downstream ID = Tailwater (Pond Outfall)

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)	Computation Messages
835.50	0.00	836.20	0.00	REVERSE BACKWATER.. Vh= .000ft twDi= 2.706ft Lbw= 240.0ft Hev= .00ft
835.70	0.00	836.20	0.00	REVERSE BACKWATER.. Vh= .000ft twDi= 2.706ft Lbw= 240.0ft Hev= .00ft
836.00	0.00	836.20	0.00	REVERSE BACKWATER.. Vh= .000ft twDi= 2.706ft Lbw= 240.0ft Hev= .00ft
836.20	0.00	836.20	0.00	Upstream HW & DNstream TW < Inv.El
836.50	0.00	836.20	0.00	Upstream HW & DNstream TW < Inv.El
836.70	0.21	836.20	0.00	CRIT.DEPTH CONTROL Vh= .048ft Dcr= .142ft H.JUMP IN PIPE Hev= .00ft
837.00	1.31	836.20	0.00	CRIT.DEPTH CONTROL Vh= .121ft Dcr= .354ft H.JUMP IN PIPE Hev= .00ft
837.20	2.53	836.20	0.00	CRIT.DEPTH CONTROL Vh= .171ft Dcr= .495ft H.JUMP IN PIPE Hev= .00ft
837.50	5.03	836.20	0.00	CRIT.DEPTH CONTROL Vh= .248ft Dcr= .702ft H.JUMP IN PIPE Hev= .00ft
837.70	7.11	836.20	0.00	CRIT.DEPTH CONTROL Vh= .300ft Dcr= .839ft H.JUMP IN PIPE Hev= .00ft
838.00	10.80	836.20	0.00	CRIT.DEPTH CONTROL Vh= .382ft Dcr= 1.041ft H.JUMP IN PIPE Hev= .00ft
838.20	13.61	836.20	0.00	CRIT.DEPTH CONTROL Vh= .438ft Dcr= 1.174ft H.JUMP IN PIPE Hev= .00ft

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 11/7/2024

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PondPack CONNECT Edition
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Subsection: Individual Outlet Curves
Label: Interconnected Pond OCS
Scenario: 2 yr 24 hr

Return Event: 2.00 years
Storm Event: 24 hr 2 yr

RATING TABLE FOR ONE OUTLET TYPE
Structure ID = Interconnected Culvert (Culvert-Circular)

Mannings open channel maximum capacity: 76.10 ft³/s
Upstream ID = (Pond Water Surface)
Downstream ID = Tailwater (Pond Outfall)

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)	Computation Messages
838.50	18.28	836.20	0.00	CRIT.DEPTH CONTROL Vh= .526ft Dcr= 1.369ft H.JUMP IN PIPE Hev= .00ft
838.70	21.63	836.20	0.00	CRIT.DEPTH CONTROL Vh= .587ft Dcr= 1.495ft H.JUMP IN PIPE Hev= .00ft
839.00	26.99	836.20	0.00	CRIT.DEPTH CONTROL Vh= .683ft Dcr= 1.679ft H.JUMP IN PIPE Hev= .00ft

Subsection: Individual Outlet Curves
 Label: Interconnected Pond OCS
 Scenario: 2 yr 24 hr

Return Event: 2.00 years
 Storm Event: 24 hr 2 yr

RATING TABLE FOR ONE OUTLET TYPE
 Structure ID = Interconnected Culvert (Culvert-Circular)

 Mannings open channel maximum capacity: 76.10 ft³/s
 Upstream ID = (Pond Water Surface)
 Downstream ID = Tailwater (Pond Outfall)

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)	Computation Messages
835.50	0.00	836.50	0.00	REVERSE BACKWATER.. Vh= .000ft twDi= 2.706ft Lbw= 240.0ft Hev= .00ft
835.70	0.00	836.50	0.00	REVERSE BACKWATER.. Vh= .000ft twDi= 2.706ft Lbw= 240.0ft Hev= .00ft
836.00	0.00	836.50	0.00	REVERSE BACKWATER.. Vh= .000ft twDi= 2.706ft Lbw= 240.0ft Hev= .00ft
836.20	0.00	836.50	0.00	REVERSE BACKWATER.. Vh= .000ft twDi= 2.706ft Lbw= 240.0ft Hev= .00ft
836.50	0.00	836.50	0.00	Upstream HW & DNstream TW < Inv.El
836.70	0.21	836.50	0.00	CRIT.DEPTH CONTROL Vh= .048ft Dcr= .142ft H.JUMP IN PIPE Hev= .00ft
837.00	1.31	836.50	0.00	CRIT.DEPTH CONTROL Vh= .121ft Dcr= .354ft H.JUMP IN PIPE Hev= .00ft
837.20	2.53	836.50	0.00	CRIT.DEPTH CONTROL Vh= .171ft Dcr= .495ft H.JUMP IN PIPE Hev= .00ft
837.50	5.03	836.50	0.00	CRIT.DEPTH CONTROL Vh= .248ft Dcr= .702ft H.JUMP IN PIPE Hev= .00ft
837.70	7.11	836.50	0.00	CRIT.DEPTH CONTROL Vh= .300ft Dcr= .839ft H.JUMP IN PIPE Hev= .00ft
838.00	10.80	836.50	0.00	CRIT.DEPTH CONTROL Vh= .382ft Dcr= 1.041ft H.JUMP IN PIPE Hev= .00ft

Subsection: Individual Outlet Curves
 Label: Interconnected Pond OCS
 Scenario: 2 yr 24 hr

Return Event: 2.00 years
 Storm Event: 24 hr 2 yr

RATING TABLE FOR ONE OUTLET TYPE
 Structure ID = Interconnected Culvert (Culvert-Circular)

Mannings open channel maximum capacity: 76.10 ft³/s
 Upstream ID = (Pond Water Surface)
 Downstream ID = Tailwater (Pond Outfall)

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)	Computation Messages
838.20	13.61	836.50	0.00	CRIT.DEPTH CONTROL Vh= .438ft Dcr= 1.174ft H.JUMP IN PIPE Hev= .00ft
838.50	18.28	836.50	0.00	CRIT.DEPTH CONTROL Vh= .526ft Dcr= 1.369ft H.JUMP IN PIPE Hev= .00ft
838.70	21.63	836.50	0.00	CRIT.DEPTH CONTROL Vh= .587ft Dcr= 1.495ft H.JUMP IN PIPE Hev= .00ft
839.00	26.99	836.50	0.00	CRIT.DEPTH CONTROL Vh= .683ft Dcr= 1.679ft H.JUMP IN PIPE Hev= .00ft

Subsection: Individual Outlet Curves

Label: Interconnected Pond OCS

Scenario: 2 yr 24 hr

Return Event: 2.00 years

Storm Event: 24 hr 2 yr

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = Interconnected Culvert (Culvert-Circular)

Mannings open channel maximum capacity: 76.10 ft³/s

Upstream ID = (Pond Water Surface)

Downstream ID = Tailwater (Pond Outfall)

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)	Computation Messages
835.50	-0.22	836.70	0.00	REVERSE BACKWATER.. Vh= .000ft twDi= 2.900ft Lbw= 240.0ft Hev= .00ft
835.70	-0.22	836.70	0.00	REVERSE BACKWATER.. Vh= .000ft twDi= 2.900ft Lbw= 240.0ft Hev= .00ft
836.00	-0.22	836.70	0.00	REVERSE BACKWATER.. Vh= .000ft twDi= 2.900ft Lbw= 240.0ft Hev= .00ft
836.20	-0.22	836.70	0.00	REVERSE BACKWATER.. Vh= .000ft twDi= 2.900ft Lbw= 240.0ft Hev= .00ft
836.50	-0.22	836.70	0.00	REVERSE BACKWATER.. Vh= .000ft twDi= 2.900ft Lbw= 240.0ft Hev= .00ft
836.70	0.00	836.70	0.00	HW = TW elev
837.00	1.31	836.70	0.00	CRIT.DEPTH CONTROL Vh= .121ft Dcr= .354ft H.JUMP IN PIPE Hev= .00ft
837.20	2.53	836.70	0.00	CRIT.DEPTH CONTROL Vh= .171ft Dcr= .495ft H.JUMP IN PIPE Hev= .00ft
837.50	5.03	836.70	0.00	CRIT.DEPTH CONTROL Vh= .248ft Dcr= .702ft H.JUMP IN PIPE Hev= .00ft
837.70	7.11	836.70	0.00	CRIT.DEPTH CONTROL Vh= .300ft Dcr= .839ft H.JUMP IN PIPE Hev= .00ft
838.00	10.80	836.70	0.00	CRIT.DEPTH CONTROL Vh= .382ft Dcr= 1.041ft H.JUMP IN PIPE Hev= .00ft
838.20	13.61	836.70	0.00	CRIT.DEPTH CONTROL Vh= .438ft Dcr= 1.174ft H.JUMP IN PIPE Hev= .00ft

Subsection: Individual Outlet Curves
Label: Interconnected Pond OCS
Scenario: 2 yr 24 hr

Return Event: 2.00 years
Storm Event: 24 hr 2 yr

RATING TABLE FOR ONE OUTLET TYPE
Structure ID = Interconnected Culvert (Culvert-Circular)

Mannings open channel maximum capacity: 76.10 ft³/s
Upstream ID = (Pond Water Surface)
Downstream ID = Tailwater (Pond Outfall)

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)	Computation Messages
838.50	18.28	836.70	0.00	CRIT.DEPTH CONTROL Vh= .526ft Dcr= 1.369ft H.JUMP IN PIPE Hev= .00ft
838.70	21.63	836.70	0.00	CRIT.DEPTH CONTROL Vh= .587ft Dcr= 1.495ft H.JUMP IN PIPE Hev= .00ft
839.00	26.99	836.70	0.00	CRIT.DEPTH CONTROL Vh= .683ft Dcr= 1.679ft H.JUMP IN PIPE Hev= .00ft

Subsection: Individual Outlet Curves
 Label: Interconnected Pond OCS
 Scenario: 2 yr 24 hr

Return Event: 2.00 years
 Storm Event: 24 hr 2 yr

RATING TABLE FOR ONE OUTLET TYPE
 Structure ID = Interconnected Culvert (Culvert-Circular)

Mannings open channel maximum capacity: 76.10 ft³/s
 Upstream ID = (Pond Water Surface)
 Downstream ID = Tailwater (Pond Outfall)

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)	Computation Messages
835.50	-2.54	837.20	0.00	REVERSE FULL: Lfull=35.30ft Vh=.002ft HL=.003ft Hev=.00ft
835.70	-2.54	837.20	0.00	REVERSE FULL: Lfull=35.30ft Vh=.002ft HL=.003ft Hev=.00ft
836.00	-2.54	837.20	0.00	REVERSE FULL: Lfull=35.30ft Vh=.002ft HL=.003ft Hev=.00ft
836.20	-2.54	837.20	0.00	REVERSE FULL: Lfull=35.30ft Vh=.002ft HL=.003ft Hev=.00ft
836.50	-2.54	837.20	0.00	REVERSE FULL: Lfull=35.30ft Vh=.002ft HL=.003ft Hev=.00ft
836.70	-2.54	837.20	0.00	REVERSE FULL: Lfull=35.30ft Vh=.002ft HL=.003ft Hev=.00ft
837.00	-2.54	837.20	0.00	REVERSE FULL: Lfull=35.30ft Vh=.002ft HL=.003ft Hev=.00ft
837.20	0.00	837.20	0.00	HW = TW elev
837.50	5.03	837.20	0.00	CRIT.DEPTH CONTROL Vh=.248ft Dcr=.702ft H.JUMP IN PIPE Hev=.00ft
837.70	7.11	837.20	0.00	CRIT.DEPTH CONTROL Vh=.300ft Dcr=.839ft H.JUMP IN PIPE Hev=.00ft
838.00	10.80	837.20	0.00	CRIT.DEPTH CONTROL Vh=.382ft Dcr= 1.041ft H.JUMP IN PIPE Hev=.00ft
838.20	13.61	837.20	0.00	CRIT.DEPTH CONTROL Vh=.438ft Dcr= 1.174ft H.JUMP IN PIPE Hev=.00ft

Subsection: Individual Outlet Curves
Label: Interconnected Pond OCS
Scenario: 2 yr 24 hr

Return Event: 2.00 years
Storm Event: 24 hr 2 yr

RATING TABLE FOR ONE OUTLET TYPE
Structure ID = Interconnected Culvert (Culvert-Circular)

Mannings open channel maximum capacity: 76.10 ft³/s
Upstream ID = (Pond Water Surface)
Downstream ID = Tailwater (Pond Outfall)

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)	Computation Messages
838.50	18.28	837.20	0.00	CRIT.DEPTH CONTROL Vh= .526ft Dcr= 1.369ft H.JUMP IN PIPE Hev= .00ft
838.70	21.63	837.20	0.00	CRIT.DEPTH CONTROL Vh= .587ft Dcr= 1.495ft H.JUMP IN PIPE Hev= .00ft
839.00	26.99	837.20	0.00	CRIT.DEPTH CONTROL Vh= .683ft Dcr= 1.679ft H.JUMP IN PIPE Hev= .00ft

Subsection: Individual Outlet Curves
 Label: Interconnected Pond OCS
 Scenario: 2 yr 24 hr

Return Event: 2.00 years
 Storm Event: 24 hr 2 yr

RATING TABLE FOR ONE OUTLET TYPE
 Structure ID = Interconnected Culvert (Culvert-Circular)

Mannings open channel maximum capacity: 76.10 ft³/s
 Upstream ID = (Pond Water Surface)
 Downstream ID = Tailwater (Pond Outfall)

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)	Computation Messages
835.50	-6.99	837.70	0.00	REVERSE FULL: Lfull=77.55ft Vh=.015ft HL=.027ft Hev=.00ft
835.70	-6.99	837.70	0.00	REVERSE FULL: Lfull=77.55ft Vh=.015ft HL=.027ft Hev=.00ft
836.00	-6.99	837.70	0.00	REVERSE FULL: Lfull=77.55ft Vh=.015ft HL=.027ft Hev=.00ft
836.20	-6.99	837.70	0.00	REVERSE FULL: Lfull=77.55ft Vh=.015ft HL=.027ft Hev=.00ft
836.50	-6.99	837.70	0.00	REVERSE FULL: Lfull=77.55ft Vh=.015ft HL=.027ft Hev=.00ft
836.70	-6.99	837.70	0.00	REVERSE FULL: Lfull=77.55ft Vh=.015ft HL=.027ft Hev=.00ft
837.00	-6.99	837.70	0.00	REVERSE FULL: Lfull=77.55ft Vh=.015ft HL=.027ft Hev=.00ft
837.20	-6.99	837.70	0.00	REVERSE FULL: Lfull=77.55ft Vh=.015ft HL=.027ft Hev=.00ft
837.50	-6.37	837.70	0.00	REVERSE FULL: Lfull=78.04ft Vh=.013ft HL=.022ft Hev=.00ft
837.70	0.00	837.70	0.00	HW = TW elev
838.00	10.80	837.70	0.00	CRIT.DEPTH CONTROL Vh=.382ft Dcr= 1.041ft H.JUMP IN PIPE Hev=.00ft
838.20	13.61	837.70	0.00	CRIT.DEPTH CONTROL Vh=.438ft Dcr= 1.174ft H.JUMP IN PIPE Hev=.00ft
838.50	18.28	837.70	0.00	CRIT.DEPTH CONTROL Vh=.526ft Dcr= 1.369ft H.JUMP IN PIPE Hev=.00ft

Subsection: Individual Outlet Curves
Label: Interconnected Pond OCS
Scenario: 2 yr 24 hr

Return Event: 2.00 years
Storm Event: 24 hr 2 yr

RATING TABLE FOR ONE OUTLET TYPE
Structure ID = Interconnected Culvert (Culvert-Circular)

Mannings open channel maximum capacity: 76.10 ft³/s
Upstream ID = (Pond Water Surface)
Downstream ID = Tailwater (Pond Outfall)

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)	Computation Messages
838.70	21.63	837.70	0.00	CRIT.DEPTH CONTROL Vh= .587ft Dcr= 1.495ft H.JUMP IN PIPE Hev= .00ft
839.00	26.99	837.70	0.00	CRIT.DEPTH CONTROL Vh= .683ft Dcr= 1.679ft H.JUMP IN PIPE Hev= .00ft

Subsection: Individual Outlet Curves
 Label: Interconnected Pond OCS
 Scenario: 2 yr 24 hr

Return Event: 2.00 years
 Storm Event: 24 hr 2 yr

RATING TABLE FOR ONE OUTLET TYPE
 Structure ID = Interconnected Culvert (Culvert-Circular)

Mannings open channel maximum capacity: 76.10 ft³/s
 Upstream ID = (Pond Water Surface)
 Downstream ID = Tailwater (Pond Outfall)

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)	Computation Messages
835.50	-12.83	838.20	0.00	REVERSE FULL: Lfull=115.20ft Vh=.051ft HL=.104ft Hev=.00ft
835.70	-12.83	838.20	0.00	REVERSE FULL: Lfull=115.20ft Vh=.051ft HL=.104ft Hev=.00ft
836.00	-12.83	838.20	0.00	REVERSE FULL: Lfull=115.20ft Vh=.051ft HL=.104ft Hev=.00ft
836.20	-12.83	838.20	0.00	REVERSE FULL: Lfull=115.20ft Vh=.051ft HL=.104ft Hev=.00ft
836.50	-12.83	838.20	0.00	REVERSE FULL: Lfull=115.20ft Vh=.051ft HL=.104ft Hev=.00ft
836.70	-12.83	838.20	0.00	REVERSE FULL: Lfull=115.20ft Vh=.051ft HL=.104ft Hev=.00ft
837.00	-12.83	838.20	0.00	REVERSE FULL: Lfull=115.20ft Vh=.051ft HL=.104ft Hev=.00ft
837.20	-12.83	838.20	0.00	REVERSE FULL: Lfull=115.20ft Vh=.051ft HL=.104ft Hev=.00ft
837.50	-12.83	838.20	0.00	REVERSE FULL: Lfull=115.20ft Vh=.051ft HL=.104ft Hev=.00ft
837.70	-12.78	838.20	0.00	REVERSE FULL: Lfull=115.26ft Vh=.051ft HL=.103ft Hev=.00ft
838.00	-10.06	838.20	0.00	REVERSE FULL: Lfull=118.75ft Vh=.031ft HL=.065ft Hev=.00ft
838.20	0.00	838.20	0.00	HW = TW elev
838.50	16.54	838.20	0.00	BACKWATER CONTROL.. Vh=.249ft hwDi= 1.701ft Lbw= 108.4ft Hev=.00ft

Subsection: Individual Outlet Curves
Label: Interconnected Pond OCS
Scenario: 2 yr 24 hr

Return Event: 2.00 years
Storm Event: 24 hr 2 yr

RATING TABLE FOR ONE OUTLET TYPE
Structure ID = Interconnected Culvert (Culvert-Circular)

Mannings open channel maximum capacity: 76.10 ft³/s
Upstream ID = (Pond Water Surface)
Downstream ID = Tailwater (Pond Outfall)

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)	Computation Messages
838.70	21.45	838.20	0.00	BACKWATER CONTROL.. Vh= .424ft hwDi= 1.692ft Lbw= 103.0ft Hev= .00ft
839.00	26.99	838.20	0.00	CRIT.DEPTH CONTROL Vh= .683ft Dcr= 1.679ft H.JUMP IN PIPE Hev= .00ft

Subsection: Individual Outlet Curves
 Label: Interconnected Pond OCS
 Scenario: 2 yr 24 hr

Return Event: 2.00 years
 Storm Event: 24 hr 2 yr

RATING TABLE FOR ONE OUTLET TYPE
 Structure ID = Interconnected Culvert (Culvert-Circular)

Mannings open channel maximum capacity: 76.10 ft³/s
 Upstream ID = (Pond Water Surface)
 Downstream ID = Tailwater (Pond Outfall)

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)	Computation Messages
835.50	-19.22	838.70	0.00	REVERSE FULL: Lfull=145.92ft Vh=.115ft HL=.259ft Hev=.00ft
835.70	-19.22	838.70	0.00	REVERSE FULL: Lfull=145.92ft Vh=.115ft HL=.259ft Hev=.00ft
836.00	-19.22	838.70	0.00	REVERSE FULL: Lfull=145.92ft Vh=.115ft HL=.259ft Hev=.00ft
836.20	-19.22	838.70	0.00	REVERSE FULL: Lfull=145.92ft Vh=.115ft HL=.259ft Hev=.00ft
836.50	-19.22	838.70	0.00	REVERSE FULL: Lfull=145.92ft Vh=.115ft HL=.259ft Hev=.00ft
836.70	-19.22	838.70	0.00	REVERSE FULL: Lfull=145.92ft Vh=.115ft HL=.259ft Hev=.00ft
837.00	-19.22	838.70	0.00	REVERSE FULL: Lfull=145.92ft Vh=.115ft HL=.259ft Hev=.00ft
837.20	-19.22	838.70	0.00	REVERSE FULL: Lfull=145.92ft Vh=.115ft HL=.259ft Hev=.00ft
837.50	-19.22	838.70	0.00	REVERSE FULL: Lfull=145.92ft Vh=.115ft HL=.259ft Hev=.00ft
837.70	-19.22	838.70	0.00	REVERSE FULL: Lfull=145.92ft Vh=.115ft HL=.259ft Hev=.00ft
838.00	-19.10	838.70	0.00	REVERSE FULL: Lfull=146.12ft Vh=.113ft HL=.256ft Hev=.00ft
838.20	-17.91	838.70	0.00	REVERSE FULL: Lfull=148.72ft Vh=.100ft HL=.227ft Hev=.00ft
838.50	-12.73	838.70	0.00	REVERSE FULL: Lfull=158.38ft Vh=.050ft HL=.118ft Hev=.00ft
838.70	0.00	838.70	0.00	HW = TW elev

Subsection: Individual Outlet Curves
Label: Interconnected Pond OCS
Scenario: 2 yr 24 hr

Return Event: 2.00 years
Storm Event: 24 hr 2 yr

RATING TABLE FOR ONE OUTLET TYPE
Structure ID = Interconnected Culvert (Culvert-Circular)

Mannings open channel maximum capacity: 76.10 ft³/s
Upstream ID = (Pond Water Surface)
Downstream ID = Tailwater (Pond Outfall)

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)	Computation Messages
839.00	17.94	838.70	0.00	BACKWATER CONTROL.. Vh= .145ft hwDi= 2.326ft Lbw= 59.5ft Hev= .00ft

Subsection: Individual Outlet Curves
 Label: Interconnected Pond OCS
 Scenario: 2 yr 24 hr

Return Event: 2.00 years
 Storm Event: 24 hr 2 yr

RATING TABLE FOR ONE OUTLET TYPE
 Structure ID = Interconnected Culvert (Culvert-Circular)

Mannings open channel maximum capacity: 76.10 ft³/s
 Upstream ID = (Pond Water Surface)
 Downstream ID = Tailwater (Pond Outfall)

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)	Computation Messages
835.50	-23.06	839.00	0.00	REVERSE FULL: Lfull=160.90ft Vh=.165ft HL=.391ft Hev=.00ft
835.70	-23.06	839.00	0.00	REVERSE FULL: Lfull=160.90ft Vh=.165ft HL=.391ft Hev=.00ft
836.00	-23.06	839.00	0.00	REVERSE FULL: Lfull=160.90ft Vh=.165ft HL=.391ft Hev=.00ft
836.20	-23.06	839.00	0.00	REVERSE FULL: Lfull=160.90ft Vh=.165ft HL=.391ft Hev=.00ft
836.50	-23.06	839.00	0.00	REVERSE FULL: Lfull=160.90ft Vh=.165ft HL=.391ft Hev=.00ft
836.70	-23.06	839.00	0.00	REVERSE FULL: Lfull=160.90ft Vh=.165ft HL=.391ft Hev=.00ft
837.00	-23.06	839.00	0.00	REVERSE FULL: Lfull=160.90ft Vh=.165ft HL=.391ft Hev=.00ft
837.20	-23.06	839.00	0.00	REVERSE FULL: Lfull=160.90ft Vh=.165ft HL=.391ft Hev=.00ft
837.50	-23.06	839.00	0.00	REVERSE FULL: Lfull=160.90ft Vh=.165ft HL=.391ft Hev=.00ft
837.70	-23.06	839.00	0.00	REVERSE FULL: Lfull=160.90ft Vh=.165ft HL=.391ft Hev=.00ft
838.00	-23.06	839.00	0.00	REVERSE FULL: Lfull=160.90ft Vh=.165ft HL=.391ft Hev=.00ft
838.20	-22.77	839.00	0.00	REVERSE FULL: Lfull=161.66ft Vh=.161ft HL=.382ft Hev=.00ft
838.50	-20.17	839.00	0.00	REVERSE FULL: Lfull=168.41ft Vh=.127ft HL=.306ft Hev=.00ft

Subsection: Individual Outlet Curves

Label: Interconnected Pond OCS

Scenario: 2 yr 24 hr

Return Event: 2.00 years

Storm Event: 24 hr 2 yr

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = Interconnected Culvert (Culvert-Circular)

Mannings open channel maximum capacity: 76.10 ft³/s

Upstream ID = (Pond Water Surface)

Downstream ID = Tailwater (Pond Outfall)

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)	Computation Messages
838.70	-16.50	839.00	0.00	REVERSE FULL: Lfull=176.90ft Vh=.085ft HL=.210ft Hev=.00ft
839.00	0.00	839.00	0.00	HW = TW elev

Subsection: Composite Rating Curve

Label: Interconnected Pond OCS

Scenario: 2 yr 24 hr

Return Event: 2.00 years

Storm Event: 24 hr 2 yr

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)	Contributing Structures
835.50	0.00	833.70	0.00	None Contributing
835.70	0.00	833.70	0.00	None Contributing
836.00	0.00	833.70	0.00	None Contributing
836.20	0.00	833.70	0.00	None Contributing
836.50	0.00	833.70	0.00	None Contributing
836.70	0.21	833.70	0.00	Interconnected Culvert
837.00	1.31	833.70	0.00	Interconnected Culvert
837.20	2.53	833.70	0.00	Interconnected Culvert
837.50	5.03	833.70	0.00	Interconnected Culvert
837.70	7.11	833.70	0.00	Interconnected Culvert
838.00	10.80	833.70	0.00	Interconnected Culvert
838.20	13.61	833.70	0.00	Interconnected Culvert
838.50	18.28	833.70	0.00	Interconnected Culvert
838.70	21.63	833.70	0.00	Interconnected Culvert
839.00	26.99	833.70	0.00	Interconnected Culvert

Subsection: Composite Rating Curve

Label: Interconnected Pond OCS

Scenario: 2 yr 24 hr

Return Event: 2.00 years

Storm Event: 24 hr 2 yr

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)	Contributing Structures
835.50	0.00	833.80	0.00	None Contributing
835.70	0.00	833.80	0.00	None Contributing
836.00	0.00	833.80	0.00	None Contributing
836.20	0.00	833.80	0.00	None Contributing
836.50	0.00	833.80	0.00	None Contributing
836.70	0.21	833.80	0.00	Interconnected Culvert
837.00	1.31	833.80	0.00	Interconnected Culvert
837.20	2.53	833.80	0.00	Interconnected Culvert
837.50	5.03	833.80	0.00	Interconnected Culvert
837.70	7.11	833.80	0.00	Interconnected Culvert
838.00	10.80	833.80	0.00	Interconnected Culvert
838.20	13.61	833.80	0.00	Interconnected Culvert
838.50	18.28	833.80	0.00	Interconnected Culvert
838.70	21.63	833.80	0.00	Interconnected Culvert
839.00	26.99	833.80	0.00	Interconnected Culvert

Subsection: Composite Rating Curve

Label: Interconnected Pond OCS

Scenario: 2 yr 24 hr

Return Event: 2.00 years

Storm Event: 24 hr 2 yr

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)	Contributing Structures
835.50	0.00	834.20	0.00	None Contributing
835.70	0.00	834.20	0.00	None Contributing
836.00	0.00	834.20	0.00	None Contributing
836.20	0.00	834.20	0.00	None Contributing
836.50	0.00	834.20	0.00	None Contributing
836.70	0.21	834.20	0.00	Interconnected Culvert
837.00	1.31	834.20	0.00	Interconnected Culvert
837.20	2.53	834.20	0.00	Interconnected Culvert
837.50	5.03	834.20	0.00	Interconnected Culvert
837.70	7.11	834.20	0.00	Interconnected Culvert
838.00	10.80	834.20	0.00	Interconnected Culvert
838.20	13.61	834.20	0.00	Interconnected Culvert
838.50	18.28	834.20	0.00	Interconnected Culvert
838.70	21.63	834.20	0.00	Interconnected Culvert
839.00	26.99	834.20	0.00	Interconnected Culvert

Subsection: Composite Rating Curve

Label: Interconnected Pond OCS

Scenario: 2 yr 24 hr

Return Event: 2.00 years

Storm Event: 24 hr 2 yr

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)	Contributing Structures
835.50	0.00	834.70	0.00	None Contributing
835.70	0.00	834.70	0.00	None Contributing
836.00	0.00	834.70	0.00	None Contributing
836.20	0.00	834.70	0.00	None Contributing
836.50	0.00	834.70	0.00	None Contributing
836.70	0.21	834.70	0.00	Interconnected Culvert
837.00	1.31	834.70	0.00	Interconnected Culvert
837.20	2.53	834.70	0.00	Interconnected Culvert
837.50	5.03	834.70	0.00	Interconnected Culvert
837.70	7.11	834.70	0.00	Interconnected Culvert
838.00	10.80	834.70	0.00	Interconnected Culvert
838.20	13.61	834.70	0.00	Interconnected Culvert
838.50	18.28	834.70	0.00	Interconnected Culvert
838.70	21.63	834.70	0.00	Interconnected Culvert
839.00	26.99	834.70	0.00	Interconnected Culvert

Subsection: Composite Rating Curve

Label: Interconnected Pond OCS

Scenario: 2 yr 24 hr

Return Event: 2.00 years

Storm Event: 24 hr 2 yr

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)	Contributing Structures
835.50	0.00	835.20	0.00	None Contributing
835.70	0.00	835.20	0.00	None Contributing
836.00	0.00	835.20	0.00	None Contributing
836.20	0.00	835.20	0.00	None Contributing
836.50	0.00	835.20	0.00	None Contributing
836.70	0.21	835.20	0.00	Interconnected Culvert
837.00	1.31	835.20	0.00	Interconnected Culvert
837.20	2.53	835.20	0.00	Interconnected Culvert
837.50	5.03	835.20	0.00	Interconnected Culvert
837.70	7.11	835.20	0.00	Interconnected Culvert
838.00	10.80	835.20	0.00	Interconnected Culvert
838.20	13.61	835.20	0.00	Interconnected Culvert
838.50	18.28	835.20	0.00	Interconnected Culvert
838.70	21.63	835.20	0.00	Interconnected Culvert
839.00	26.99	835.20	0.00	Interconnected Culvert

Subsection: Composite Rating Curve

Label: Interconnected Pond OCS

Scenario: 2 yr 24 hr

Return Event: 2.00 years

Storm Event: 24 hr 2 yr

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)	Contributing Structures
835.50	0.00	835.50	0.00	None Contributing
835.70	0.00	835.50	0.00	None Contributing
836.00	0.00	835.50	0.00	None Contributing
836.20	0.00	835.50	0.00	None Contributing
836.50	0.00	835.50	0.00	None Contributing
836.70	0.21	835.50	0.00	Interconnected Culvert
837.00	1.31	835.50	0.00	Interconnected Culvert
837.20	2.53	835.50	0.00	Interconnected Culvert
837.50	5.03	835.50	0.00	Interconnected Culvert
837.70	7.11	835.50	0.00	Interconnected Culvert
838.00	10.80	835.50	0.00	Interconnected Culvert
838.20	13.61	835.50	0.00	Interconnected Culvert
838.50	18.28	835.50	0.00	Interconnected Culvert
838.70	21.63	835.50	0.00	Interconnected Culvert
839.00	26.99	835.50	0.00	Interconnected Culvert

Subsection: Composite Rating Curve

Label: Interconnected Pond OCS

Scenario: 2 yr 24 hr

Return Event: 2.00 years

Storm Event: 24 hr 2 yr

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)	Contributing Structures
835.50	0.00	835.70	0.00	Interconnected Culvert
835.70	0.00	835.70	0.00	None Contributing
836.00	0.00	835.70	0.00	None Contributing
836.20	0.00	835.70	0.00	None Contributing
836.50	0.00	835.70	0.00	None Contributing
836.70	0.21	835.70	0.00	Interconnected Culvert
837.00	1.31	835.70	0.00	Interconnected Culvert
837.20	2.53	835.70	0.00	Interconnected Culvert
837.50	5.03	835.70	0.00	Interconnected Culvert
837.70	7.11	835.70	0.00	Interconnected Culvert
838.00	10.80	835.70	0.00	Interconnected Culvert
838.20	13.61	835.70	0.00	Interconnected Culvert
838.50	18.28	835.70	0.00	Interconnected Culvert
838.70	21.63	835.70	0.00	Interconnected Culvert
839.00	26.99	835.70	0.00	Interconnected Culvert

Subsection: Composite Rating Curve

Label: Interconnected Pond OCS

Scenario: 2 yr 24 hr

Return Event: 2.00 years

Storm Event: 24 hr 2 yr

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)	Contributing Structures
835.50	0.00	836.20	0.00	Interconnected Culvert
835.70	0.00	836.20	0.00	Interconnected Culvert
836.00	0.00	836.20	0.00	Interconnected Culvert
836.20	0.00	836.20	0.00	None Contributing
836.50	0.00	836.20	0.00	None Contributing
836.70	0.21	836.20	0.00	Interconnected Culvert
837.00	1.31	836.20	0.00	Interconnected Culvert
837.20	2.53	836.20	0.00	Interconnected Culvert
837.50	5.03	836.20	0.00	Interconnected Culvert
837.70	7.11	836.20	0.00	Interconnected Culvert
838.00	10.80	836.20	0.00	Interconnected Culvert
838.20	13.61	836.20	0.00	Interconnected Culvert
838.50	18.28	836.20	0.00	Interconnected Culvert
838.70	21.63	836.20	0.00	Interconnected Culvert
839.00	26.99	836.20	0.00	Interconnected Culvert

Subsection: Composite Rating Curve

Label: Interconnected Pond OCS

Scenario: 2 yr 24 hr

Return Event: 2.00 years

Storm Event: 24 hr 2 yr

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)	Contributing Structures
835.50	0.00	836.50	0.00	Interconnected Culvert
835.70	0.00	836.50	0.00	Interconnected Culvert
836.00	0.00	836.50	0.00	Interconnected Culvert
836.20	0.00	836.50	0.00	Interconnected Culvert
836.50	0.00	836.50	0.00	None Contributing
836.70	0.21	836.50	0.00	Interconnected Culvert
837.00	1.31	836.50	0.00	Interconnected Culvert
837.20	2.53	836.50	0.00	Interconnected Culvert
837.50	5.03	836.50	0.00	Interconnected Culvert
837.70	7.11	836.50	0.00	Interconnected Culvert
838.00	10.80	836.50	0.00	Interconnected Culvert
838.20	13.61	836.50	0.00	Interconnected Culvert
838.50	18.28	836.50	0.00	Interconnected Culvert
838.70	21.63	836.50	0.00	Interconnected Culvert
839.00	26.99	836.50	0.00	Interconnected Culvert

Subsection: Composite Rating Curve

Label: Interconnected Pond OCS

Scenario: 2 yr 24 hr

Return Event: 2.00 years

Storm Event: 24 hr 2 yr

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)	Contributing Structures
835.50	-0.22	836.70	0.00	Interconnected Culvert
835.70	-0.22	836.70	0.00	Interconnected Culvert
836.00	-0.22	836.70	0.00	Interconnected Culvert
836.20	-0.22	836.70	0.00	Interconnected Culvert
836.50	-0.22	836.70	0.00	Interconnected Culvert
836.70	0.00	836.70	0.00	Interconnected Culvert
837.00	1.31	836.70	0.00	Interconnected Culvert
837.20	2.53	836.70	0.00	Interconnected Culvert
837.50	5.03	836.70	0.00	Interconnected Culvert
837.70	7.11	836.70	0.00	Interconnected Culvert
838.00	10.80	836.70	0.00	Interconnected Culvert
838.20	13.61	836.70	0.00	Interconnected Culvert
838.50	18.28	836.70	0.00	Interconnected Culvert
838.70	21.63	836.70	0.00	Interconnected Culvert
839.00	26.99	836.70	0.00	Interconnected Culvert

Subsection: Composite Rating Curve

Label: Interconnected Pond OCS

Scenario: 2 yr 24 hr

Return Event: 2.00 years

Storm Event: 24 hr 2 yr

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)	Contributing Structures
835.50	-2.54	837.20	0.00	Interconnected Culvert
835.70	-2.54	837.20	0.00	Interconnected Culvert
836.00	-2.54	837.20	0.00	Interconnected Culvert
836.20	-2.54	837.20	0.00	Interconnected Culvert
836.50	-2.54	837.20	0.00	Interconnected Culvert
836.70	-2.54	837.20	0.00	Interconnected Culvert
837.00	-2.54	837.20	0.00	Interconnected Culvert
837.20	0.00	837.20	0.00	Interconnected Culvert
837.50	5.03	837.20	0.00	Interconnected Culvert
837.70	7.11	837.20	0.00	Interconnected Culvert
838.00	10.80	837.20	0.00	Interconnected Culvert
838.20	13.61	837.20	0.00	Interconnected Culvert
838.50	18.28	837.20	0.00	Interconnected Culvert
838.70	21.63	837.20	0.00	Interconnected Culvert
839.00	26.99	837.20	0.00	Interconnected Culvert

Subsection: Composite Rating Curve

Label: Interconnected Pond OCS

Scenario: 2 yr 24 hr

Return Event: 2.00 years

Storm Event: 24 hr 2 yr

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)	Contributing Structures
835.50	-6.99	837.70	0.00	Interconnected Culvert
835.70	-6.99	837.70	0.00	Interconnected Culvert
836.00	-6.99	837.70	0.00	Interconnected Culvert
836.20	-6.99	837.70	0.00	Interconnected Culvert
836.50	-6.99	837.70	0.00	Interconnected Culvert
836.70	-6.99	837.70	0.00	Interconnected Culvert
837.00	-6.99	837.70	0.00	Interconnected Culvert
837.20	-6.99	837.70	0.00	Interconnected Culvert
837.50	-6.37	837.70	0.00	Interconnected Culvert
837.70	0.00	837.70	0.00	Interconnected Culvert
838.00	10.80	837.70	0.00	Interconnected Culvert
838.20	13.61	837.70	0.00	Interconnected Culvert
838.50	18.28	837.70	0.00	Interconnected Culvert
838.70	21.63	837.70	0.00	Interconnected Culvert
839.00	26.99	837.70	0.00	Interconnected Culvert

Subsection: Composite Rating Curve

Label: Interconnected Pond OCS

Scenario: 2 yr 24 hr

Return Event: 2.00 years

Storm Event: 24 hr 2 yr

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)	Contributing Structures
835.50	-12.83	838.20	0.00	Interconnected Culvert
835.70	-12.83	838.20	0.00	Interconnected Culvert
836.00	-12.83	838.20	0.00	Interconnected Culvert
836.20	-12.83	838.20	0.00	Interconnected Culvert
836.50	-12.83	838.20	0.00	Interconnected Culvert
836.70	-12.83	838.20	0.00	Interconnected Culvert
837.00	-12.83	838.20	0.00	Interconnected Culvert
837.20	-12.83	838.20	0.00	Interconnected Culvert
837.50	-12.83	838.20	0.00	Interconnected Culvert
837.70	-12.78	838.20	0.00	Interconnected Culvert
838.00	-10.06	838.20	0.00	Interconnected Culvert
838.20	0.00	838.20	0.00	Interconnected Culvert
838.50	16.54	838.20	0.00	Interconnected Culvert
838.70	21.45	838.20	0.00	Interconnected Culvert
839.00	26.99	838.20	0.00	Interconnected Culvert

Subsection: Composite Rating Curve

Label: Interconnected Pond OCS

Scenario: 2 yr 24 hr

Return Event: 2.00 years

Storm Event: 24 hr 2 yr

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)	Contributing Structures
835.50	-19.22	838.70	0.00	Interconnected Culvert
835.70	-19.22	838.70	0.00	Interconnected Culvert
836.00	-19.22	838.70	0.00	Interconnected Culvert
836.20	-19.22	838.70	0.00	Interconnected Culvert
836.50	-19.22	838.70	0.00	Interconnected Culvert
836.70	-19.22	838.70	0.00	Interconnected Culvert
837.00	-19.22	838.70	0.00	Interconnected Culvert
837.20	-19.22	838.70	0.00	Interconnected Culvert
837.50	-19.22	838.70	0.00	Interconnected Culvert
837.70	-19.22	838.70	0.00	Interconnected Culvert
838.00	-19.10	838.70	0.00	Interconnected Culvert
838.20	-17.91	838.70	0.00	Interconnected Culvert
838.50	-12.73	838.70	0.00	Interconnected Culvert
838.70	0.00	838.70	0.00	Interconnected Culvert
839.00	17.94	838.70	0.00	Interconnected Culvert

Subsection: Composite Rating Curve

Label: Interconnected Pond OCS

Scenario: 2 yr 24 hr

Return Event: 2.00 years

Storm Event: 24 hr 2 yr

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)	Contributing Structures
835.50	-23.06	839.00	0.00	Interconnected Culvert
835.70	-23.06	839.00	0.00	Interconnected Culvert
836.00	-23.06	839.00	0.00	Interconnected Culvert
836.20	-23.06	839.00	0.00	Interconnected Culvert
836.50	-23.06	839.00	0.00	Interconnected Culvert
836.70	-23.06	839.00	0.00	Interconnected Culvert
837.00	-23.06	839.00	0.00	Interconnected Culvert
837.20	-23.06	839.00	0.00	Interconnected Culvert
837.50	-23.06	839.00	0.00	Interconnected Culvert
837.70	-23.06	839.00	0.00	Interconnected Culvert
838.00	-23.06	839.00	0.00	Interconnected Culvert
838.20	-22.77	839.00	0.00	Interconnected Culvert
838.50	-20.17	839.00	0.00	Interconnected Culvert
838.70	-16.50	839.00	0.00	Interconnected Culvert
839.00	0.00	839.00	0.00	Interconnected Culvert

Subsection: Outlet Input Data
Label: Interconnected Pond OCS
Scenario: 100 yr 24 hr

Return Event: 100.00 years
Storm Event: 24 hr 100 yr

Requested Pond Water Surface Elevations	
Minimum (Headwater)	835.50 ft
Increment (Headwater)	0.50 ft
Maximum (Headwater)	839.00 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Culvert-Circular	Interconnected Culvert	Forward + Reverse	TW	836.50	839.00
Tailwater Settings	Tailwater			(N/A)	(N/A)

Subsection: Outlet Input Data
 Label: Interconnected Pond OCS
 Scenario: 100 yr 24 hr

Return Event: 100.00 years
 Storm Event: 24 hr 100 yr

Structure ID: Interconnected Culvert	
Structure Type: Culvert-Circular	
Number of Barrels	1
Diameter	36.00 in
Length	240.00 ft
Length (Computed Barrel)	240.02 ft
Slope (Computed)	0.011 ft/ft
Outlet Control Data	
Manning's n	0.013
Ke	0.200
Kb	0.007
Kr	0.000
Convergence Tolerance	0.00 ft
Inlet Control Data	
Equation Form	Form 1
K	0.0045
M	2.0000
C	0.0317
Y	0.6900
T1 ratio (HW/D)	0.000
T2 ratio (HW/D)	1.192
Slope Correction Factor	-0.500

Use unsubmerged inlet control 0 equation below T1 elevation.
 Use submerged inlet control 0 equation above T2 elevation

In transition zone between unsubmerged and submerged inlet control,
 interpolate between flows at T1 & T2...

T1 Elevation	836.50 ft	T1 Flow	42.85 ft ³ /s
T2 Elevation	840.07 ft	T2 Flow	48.97 ft ³ /s

Subsection: Individual Outlet Curves
Label: Interconnected Pond OCS
Scenario: 100 yr 24 hr

Return Event: 100.00 years
Storm Event: 24 hr 100 yr

RATING TABLE FOR ONE OUTLET TYPE
Structure ID = ()

Upstream ID =
Downstream ID =

Water Surface Elevation (ft)	Flow (ft³/s)	Tailwater Elevation (ft)	Convergence Error (ft)	Contributing Structures
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Subsection: Individual Outlet Curves
Label: Interconnected Pond OCS
Scenario: 100 yr 24 hr

Return Event: 100.00 years
Storm Event: 24 hr 100 yr

RATING TABLE FOR ONE OUTLET TYPE
Structure ID = ()

Upstream ID =
Downstream ID =

Water Surface Elevation (ft)	Flow (ft³/s)	Tailwater Elevation (ft)	Convergence Error (ft)	Contributing Structures
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Subsection: Individual Outlet Curves
Label: Interconnected Pond OCS
Scenario: 100 yr 24 hr

Return Event: 100.00 years
Storm Event: 24 hr 100 yr

RATING TABLE FOR ONE OUTLET TYPE
Structure ID = ()

Upstream ID =
Downstream ID =

Water Surface Elevation (ft)	Flow (ft³/s)	Tailwater Elevation (ft)	Convergence Error (ft)	Contributing Structures
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Subsection: Individual Outlet Curves
Label: Interconnected Pond OCS
Scenario: 100 yr 24 hr

Return Event: 100.00 years
Storm Event: 24 hr 100 yr

RATING TABLE FOR ONE OUTLET TYPE
Structure ID = ()

Upstream ID =
Downstream ID =

Water Surface Elevation (ft)	Flow (ft³/s)	Tailwater Elevation (ft)	Convergence Error (ft)	Contributing Structures
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Subsection: Individual Outlet Curves
Label: Interconnected Pond OCS
Scenario: 100 yr 24 hr

Return Event: 100.00 years
Storm Event: 24 hr 100 yr

RATING TABLE FOR ONE OUTLET TYPE
Structure ID = ()

Upstream ID =
Downstream ID =

Water Surface Elevation (ft)	Flow (ft³/s)	Tailwater Elevation (ft)	Convergence Error (ft)	Contributing Structures
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Subsection: Individual Outlet Curves
Label: Interconnected Pond OCS
Scenario: 100 yr 24 hr

Return Event: 100.00 years
Storm Event: 24 hr 100 yr

RATING TABLE FOR ONE OUTLET TYPE
Structure ID = ()

Upstream ID =
Downstream ID =

Water Surface Elevation (ft)	Flow (ft³/s)	Tailwater Elevation (ft)	Convergence Error (ft)	Contributing Structures
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Subsection: Individual Outlet Curves
Label: Interconnected Pond OCS
Scenario: 100 yr 24 hr

Return Event: 100.00 years
Storm Event: 24 hr 100 yr

RATING TABLE FOR ONE OUTLET TYPE
Structure ID = ()

Upstream ID =
Downstream ID =

Water Surface Elevation (ft)	Flow (ft³/s)	Tailwater Elevation (ft)	Convergence Error (ft)	Contributing Structures
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Subsection: Individual Outlet Curves
Label: Interconnected Pond OCS
Scenario: 100 yr 24 hr

Return Event: 100.00 years
Storm Event: 24 hr 100 yr

RATING TABLE FOR ONE OUTLET TYPE
Structure ID = ()

Upstream ID =
Downstream ID =

Water Surface Elevation (ft)	Flow (ft³/s)	Tailwater Elevation (ft)	Convergence Error (ft)	Contributing Structures
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Subsection: Individual Outlet Curves
Label: Interconnected Pond OCS
Scenario: 100 yr 24 hr

Return Event: 100.00 years
Storm Event: 24 hr 100 yr

RATING TABLE FOR ONE OUTLET TYPE
Structure ID = ()

Upstream ID =
Downstream ID =

Water Surface Elevation (ft)	Flow (ft³/s)	Tailwater Elevation (ft)	Convergence Error (ft)	Contributing Structures
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Subsection: Individual Outlet Curves
Label: Interconnected Pond OCS
Scenario: 100 yr 24 hr

Return Event: 100.00 years
Storm Event: 24 hr 100 yr

RATING TABLE FOR ONE OUTLET TYPE
Structure ID = ()

Upstream ID =
Downstream ID =

Water Surface Elevation (ft)	Flow (ft³/s)	Tailwater Elevation (ft)	Convergence Error (ft)	Contributing Structures
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Subsection: Individual Outlet Curves
Label: Interconnected Pond OCS
Scenario: 100 yr 24 hr

Return Event: 100.00 years
Storm Event: 24 hr 100 yr

RATING TABLE FOR ONE OUTLET TYPE
Structure ID = ()

Upstream ID =
Downstream ID =

Water Surface Elevation (ft)	Flow (ft³/s)	Tailwater Elevation (ft)	Convergence Error (ft)	Contributing Structures
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Subsection: Individual Outlet Curves
Label: Interconnected Pond OCS
Scenario: 100 yr 24 hr

Return Event: 100.00 years
Storm Event: 24 hr 100 yr

RATING TABLE FOR ONE OUTLET TYPE
Structure ID = ()

Upstream ID =
Downstream ID =

Water Surface Elevation (ft)	Flow (ft³/s)	Tailwater Elevation (ft)	Convergence Error (ft)	Contributing Structures
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Subsection: Individual Outlet Curves
Label: Interconnected Pond OCS
Scenario: 100 yr 24 hr

Return Event: 100.00 years
Storm Event: 24 hr 100 yr

RATING TABLE FOR ONE OUTLET TYPE
Structure ID = ()

Upstream ID =
Downstream ID =

Water Surface Elevation (ft)	Flow (ft³/s)	Tailwater Elevation (ft)	Convergence Error (ft)	Contributing Structures
------------------------------------	-----------------	-----------------------------	---------------------------	-------------------------

Subsection: Individual Outlet Curves
Label: Interconnected Pond OCS
Scenario: 100 yr 24 hr

Return Event: 100.00 years
Storm Event: 24 hr 100 yr

RATING TABLE FOR ONE OUTLET TYPE
Structure ID = ()

Upstream ID =
Downstream ID =

Water Surface Elevation (ft)	Flow (ft³/s)	Tailwater Elevation (ft)	Convergence Error (ft)	Contributing Structures
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Subsection: Individual Outlet Curves
Label: Interconnected Pond OCS
Scenario: 100 yr 24 hr

Return Event: 100.00 years
Storm Event: 24 hr 100 yr

RATING TABLE FOR ONE OUTLET TYPE
Structure ID = ()

Upstream ID =
Downstream ID =

Water Surface Elevation (ft)	Flow (ft³/s)	Tailwater Elevation (ft)	Convergence Error (ft)	Contributing Structures
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Subsection: Composite Rating Curve

Label: Interconnected Pond OCS

Scenario: 100 yr 24 hr

Return Event: 100.00 years

Storm Event: 24 hr 100 yr

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)	Contributing Structures
835.50	0.00	833.70	0.00	None Contributing
835.70	0.00	833.70	0.00	None Contributing
836.00	0.00	833.70	0.00	None Contributing
836.20	0.00	833.70	0.00	None Contributing
836.50	0.00	833.70	0.00	None Contributing
836.70	0.21	833.70	0.00	Interconnected Culvert
837.00	1.31	833.70	0.00	Interconnected Culvert
837.20	2.53	833.70	0.00	Interconnected Culvert
837.50	5.03	833.70	0.00	Interconnected Culvert
837.70	7.11	833.70	0.00	Interconnected Culvert
838.00	10.80	833.70	0.00	Interconnected Culvert
838.20	13.61	833.70	0.00	Interconnected Culvert
838.50	18.28	833.70	0.00	Interconnected Culvert
838.70	21.63	833.70	0.00	Interconnected Culvert
839.00	26.99	833.70	0.00	Interconnected Culvert

Subsection: Composite Rating Curve

Label: Interconnected Pond OCS

Scenario: 100 yr 24 hr

Return Event: 100.00 years

Storm Event: 24 hr 100 yr

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)	Contributing Structures
835.50	0.00	833.80	0.00	None Contributing
835.70	0.00	833.80	0.00	None Contributing
836.00	0.00	833.80	0.00	None Contributing
836.20	0.00	833.80	0.00	None Contributing
836.50	0.00	833.80	0.00	None Contributing
836.70	0.21	833.80	0.00	Interconnected Culvert
837.00	1.31	833.80	0.00	Interconnected Culvert
837.20	2.53	833.80	0.00	Interconnected Culvert
837.50	5.03	833.80	0.00	Interconnected Culvert
837.70	7.11	833.80	0.00	Interconnected Culvert
838.00	10.80	833.80	0.00	Interconnected Culvert
838.20	13.61	833.80	0.00	Interconnected Culvert
838.50	18.28	833.80	0.00	Interconnected Culvert
838.70	21.63	833.80	0.00	Interconnected Culvert
839.00	26.99	833.80	0.00	Interconnected Culvert

Subsection: Composite Rating Curve

Label: Interconnected Pond OCS

Scenario: 100 yr 24 hr

Return Event: 100.00 years

Storm Event: 24 hr 100 yr

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)	Contributing Structures
835.50	0.00	834.20	0.00	None Contributing
835.70	0.00	834.20	0.00	None Contributing
836.00	0.00	834.20	0.00	None Contributing
836.20	0.00	834.20	0.00	None Contributing
836.50	0.00	834.20	0.00	None Contributing
836.70	0.21	834.20	0.00	Interconnected Culvert
837.00	1.31	834.20	0.00	Interconnected Culvert
837.20	2.53	834.20	0.00	Interconnected Culvert
837.50	5.03	834.20	0.00	Interconnected Culvert
837.70	7.11	834.20	0.00	Interconnected Culvert
838.00	10.80	834.20	0.00	Interconnected Culvert
838.20	13.61	834.20	0.00	Interconnected Culvert
838.50	18.28	834.20	0.00	Interconnected Culvert
838.70	21.63	834.20	0.00	Interconnected Culvert
839.00	26.99	834.20	0.00	Interconnected Culvert

Subsection: Composite Rating Curve

Label: Interconnected Pond OCS

Scenario: 100 yr 24 hr

Return Event: 100.00 years

Storm Event: 24 hr 100 yr

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)	Contributing Structures
835.50	0.00	834.70	0.00	None Contributing
835.70	0.00	834.70	0.00	None Contributing
836.00	0.00	834.70	0.00	None Contributing
836.20	0.00	834.70	0.00	None Contributing
836.50	0.00	834.70	0.00	None Contributing
836.70	0.21	834.70	0.00	Interconnected Culvert
837.00	1.31	834.70	0.00	Interconnected Culvert
837.20	2.53	834.70	0.00	Interconnected Culvert
837.50	5.03	834.70	0.00	Interconnected Culvert
837.70	7.11	834.70	0.00	Interconnected Culvert
838.00	10.80	834.70	0.00	Interconnected Culvert
838.20	13.61	834.70	0.00	Interconnected Culvert
838.50	18.28	834.70	0.00	Interconnected Culvert
838.70	21.63	834.70	0.00	Interconnected Culvert
839.00	26.99	834.70	0.00	Interconnected Culvert

Subsection: Composite Rating Curve

Label: Interconnected Pond OCS

Scenario: 100 yr 24 hr

Return Event: 100.00 years

Storm Event: 24 hr 100 yr

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)	Contributing Structures
835.50	0.00	835.20	0.00	None Contributing
835.70	0.00	835.20	0.00	None Contributing
836.00	0.00	835.20	0.00	None Contributing
836.20	0.00	835.20	0.00	None Contributing
836.50	0.00	835.20	0.00	None Contributing
836.70	0.21	835.20	0.00	Interconnected Culvert
837.00	1.31	835.20	0.00	Interconnected Culvert
837.20	2.53	835.20	0.00	Interconnected Culvert
837.50	5.03	835.20	0.00	Interconnected Culvert
837.70	7.11	835.20	0.00	Interconnected Culvert
838.00	10.80	835.20	0.00	Interconnected Culvert
838.20	13.61	835.20	0.00	Interconnected Culvert
838.50	18.28	835.20	0.00	Interconnected Culvert
838.70	21.63	835.20	0.00	Interconnected Culvert
839.00	26.99	835.20	0.00	Interconnected Culvert

Subsection: Composite Rating Curve

Label: Interconnected Pond OCS

Scenario: 100 yr 24 hr

Return Event: 100.00 years

Storm Event: 24 hr 100 yr

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)	Contributing Structures
835.50	0.00	835.50	0.00	None Contributing
835.70	0.00	835.50	0.00	None Contributing
836.00	0.00	835.50	0.00	None Contributing
836.20	0.00	835.50	0.00	None Contributing
836.50	0.00	835.50	0.00	None Contributing
836.70	0.21	835.50	0.00	Interconnected Culvert
837.00	1.31	835.50	0.00	Interconnected Culvert
837.20	2.53	835.50	0.00	Interconnected Culvert
837.50	5.03	835.50	0.00	Interconnected Culvert
837.70	7.11	835.50	0.00	Interconnected Culvert
838.00	10.80	835.50	0.00	Interconnected Culvert
838.20	13.61	835.50	0.00	Interconnected Culvert
838.50	18.28	835.50	0.00	Interconnected Culvert
838.70	21.63	835.50	0.00	Interconnected Culvert
839.00	26.99	835.50	0.00	Interconnected Culvert

Subsection: Composite Rating Curve

Label: Interconnected Pond OCS

Scenario: 100 yr 24 hr

Return Event: 100.00 years

Storm Event: 24 hr 100 yr

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)	Contributing Structures
835.50	0.00	835.70	0.00	Interconnected Culvert
835.70	0.00	835.70	0.00	None Contributing
836.00	0.00	835.70	0.00	None Contributing
836.20	0.00	835.70	0.00	None Contributing
836.50	0.00	835.70	0.00	None Contributing
836.70	0.21	835.70	0.00	Interconnected Culvert
837.00	1.31	835.70	0.00	Interconnected Culvert
837.20	2.53	835.70	0.00	Interconnected Culvert
837.50	5.03	835.70	0.00	Interconnected Culvert
837.70	7.11	835.70	0.00	Interconnected Culvert
838.00	10.80	835.70	0.00	Interconnected Culvert
838.20	13.61	835.70	0.00	Interconnected Culvert
838.50	18.28	835.70	0.00	Interconnected Culvert
838.70	21.63	835.70	0.00	Interconnected Culvert
839.00	26.99	835.70	0.00	Interconnected Culvert

Subsection: Composite Rating Curve
 Label: Interconnected Pond OCS
 Scenario: 100 yr 24 hr

Return Event: 100.00 years
 Storm Event: 24 hr 100 yr

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)	Contributing Structures
835.50	0.00	836.20	0.00	Interconnected Culvert
835.70	0.00	836.20	0.00	Interconnected Culvert
836.00	0.00	836.20	0.00	Interconnected Culvert
836.20	0.00	836.20	0.00	None Contributing
836.50	0.00	836.20	0.00	None Contributing
836.70	0.21	836.20	0.00	Interconnected Culvert
837.00	1.31	836.20	0.00	Interconnected Culvert
837.20	2.53	836.20	0.00	Interconnected Culvert
837.50	5.03	836.20	0.00	Interconnected Culvert
837.70	7.11	836.20	0.00	Interconnected Culvert
838.00	10.80	836.20	0.00	Interconnected Culvert
838.20	13.61	836.20	0.00	Interconnected Culvert
838.50	18.28	836.20	0.00	Interconnected Culvert
838.70	21.63	836.20	0.00	Interconnected Culvert
839.00	26.99	836.20	0.00	Interconnected Culvert

Subsection: Composite Rating Curve

Label: Interconnected Pond OCS

Scenario: 100 yr 24 hr

Return Event: 100.00 years

Storm Event: 24 hr 100 yr

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)	Contributing Structures
835.50	0.00	836.50	0.00	Interconnected Culvert
835.70	0.00	836.50	0.00	Interconnected Culvert
836.00	0.00	836.50	0.00	Interconnected Culvert
836.20	0.00	836.50	0.00	Interconnected Culvert
836.50	0.00	836.50	0.00	None Contributing
836.70	0.21	836.50	0.00	Interconnected Culvert
837.00	1.31	836.50	0.00	Interconnected Culvert
837.20	2.53	836.50	0.00	Interconnected Culvert
837.50	5.03	836.50	0.00	Interconnected Culvert
837.70	7.11	836.50	0.00	Interconnected Culvert
838.00	10.80	836.50	0.00	Interconnected Culvert
838.20	13.61	836.50	0.00	Interconnected Culvert
838.50	18.28	836.50	0.00	Interconnected Culvert
838.70	21.63	836.50	0.00	Interconnected Culvert
839.00	26.99	836.50	0.00	Interconnected Culvert

Subsection: Composite Rating Curve

Label: Interconnected Pond OCS

Scenario: 100 yr 24 hr

Return Event: 100.00 years

Storm Event: 24 hr 100 yr

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)	Contributing Structures
835.50	-0.22	836.70	0.00	Interconnected Culvert
835.70	-0.22	836.70	0.00	Interconnected Culvert
836.00	-0.22	836.70	0.00	Interconnected Culvert
836.20	-0.22	836.70	0.00	Interconnected Culvert
836.50	-0.22	836.70	0.00	Interconnected Culvert
836.70	0.00	836.70	0.00	Interconnected Culvert
837.00	1.31	836.70	0.00	Interconnected Culvert
837.20	2.53	836.70	0.00	Interconnected Culvert
837.50	5.03	836.70	0.00	Interconnected Culvert
837.70	7.11	836.70	0.00	Interconnected Culvert
838.00	10.80	836.70	0.00	Interconnected Culvert
838.20	13.61	836.70	0.00	Interconnected Culvert
838.50	18.28	836.70	0.00	Interconnected Culvert
838.70	21.63	836.70	0.00	Interconnected Culvert
839.00	26.99	836.70	0.00	Interconnected Culvert

Subsection: Composite Rating Curve

Label: Interconnected Pond OCS

Scenario: 100 yr 24 hr

Return Event: 100.00 years

Storm Event: 24 hr 100 yr

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)	Contributing Structures
835.50	-2.54	837.20	0.00	Interconnected Culvert
835.70	-2.54	837.20	0.00	Interconnected Culvert
836.00	-2.54	837.20	0.00	Interconnected Culvert
836.20	-2.54	837.20	0.00	Interconnected Culvert
836.50	-2.54	837.20	0.00	Interconnected Culvert
836.70	-2.54	837.20	0.00	Interconnected Culvert
837.00	-2.54	837.20	0.00	Interconnected Culvert
837.20	0.00	837.20	0.00	Interconnected Culvert
837.50	5.03	837.20	0.00	Interconnected Culvert
837.70	7.11	837.20	0.00	Interconnected Culvert
838.00	10.80	837.20	0.00	Interconnected Culvert
838.20	13.61	837.20	0.00	Interconnected Culvert
838.50	18.28	837.20	0.00	Interconnected Culvert
838.70	21.63	837.20	0.00	Interconnected Culvert
839.00	26.99	837.20	0.00	Interconnected Culvert

Subsection: Composite Rating Curve

Label: Interconnected Pond OCS

Scenario: 100 yr 24 hr

Return Event: 100.00 years

Storm Event: 24 hr 100 yr

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)	Contributing Structures
835.50	-6.99	837.70	0.00	Interconnected Culvert
835.70	-6.99	837.70	0.00	Interconnected Culvert
836.00	-6.99	837.70	0.00	Interconnected Culvert
836.20	-6.99	837.70	0.00	Interconnected Culvert
836.50	-6.99	837.70	0.00	Interconnected Culvert
836.70	-6.99	837.70	0.00	Interconnected Culvert
837.00	-6.99	837.70	0.00	Interconnected Culvert
837.20	-6.99	837.70	0.00	Interconnected Culvert
837.50	-6.37	837.70	0.00	Interconnected Culvert
837.70	0.00	837.70	0.00	Interconnected Culvert
838.00	10.80	837.70	0.00	Interconnected Culvert
838.20	13.61	837.70	0.00	Interconnected Culvert
838.50	18.28	837.70	0.00	Interconnected Culvert
838.70	21.63	837.70	0.00	Interconnected Culvert
839.00	26.99	837.70	0.00	Interconnected Culvert

Subsection: Composite Rating Curve

Label: Interconnected Pond OCS

Scenario: 100 yr 24 hr

Return Event: 100.00 years

Storm Event: 24 hr 100 yr

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)	Contributing Structures
835.50	-12.83	838.20	0.00	Interconnected Culvert
835.70	-12.83	838.20	0.00	Interconnected Culvert
836.00	-12.83	838.20	0.00	Interconnected Culvert
836.20	-12.83	838.20	0.00	Interconnected Culvert
836.50	-12.83	838.20	0.00	Interconnected Culvert
836.70	-12.83	838.20	0.00	Interconnected Culvert
837.00	-12.83	838.20	0.00	Interconnected Culvert
837.20	-12.83	838.20	0.00	Interconnected Culvert
837.50	-12.83	838.20	0.00	Interconnected Culvert
837.70	-12.78	838.20	0.00	Interconnected Culvert
838.00	-10.06	838.20	0.00	Interconnected Culvert
838.20	0.00	838.20	0.00	Interconnected Culvert
838.50	16.54	838.20	0.00	Interconnected Culvert
838.70	21.45	838.20	0.00	Interconnected Culvert
839.00	26.99	838.20	0.00	Interconnected Culvert

Subsection: Composite Rating Curve
 Label: Interconnected Pond OCS
 Scenario: 100 yr 24 hr

Return Event: 100.00 years
 Storm Event: 24 hr 100 yr

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)	Contributing Structures
835.50	-19.22	838.70	0.00	Interconnected Culvert
835.70	-19.22	838.70	0.00	Interconnected Culvert
836.00	-19.22	838.70	0.00	Interconnected Culvert
836.20	-19.22	838.70	0.00	Interconnected Culvert
836.50	-19.22	838.70	0.00	Interconnected Culvert
836.70	-19.22	838.70	0.00	Interconnected Culvert
837.00	-19.22	838.70	0.00	Interconnected Culvert
837.20	-19.22	838.70	0.00	Interconnected Culvert
837.50	-19.22	838.70	0.00	Interconnected Culvert
837.70	-19.22	838.70	0.00	Interconnected Culvert
838.00	-19.10	838.70	0.00	Interconnected Culvert
838.20	-17.91	838.70	0.00	Interconnected Culvert
838.50	-12.73	838.70	0.00	Interconnected Culvert
838.70	0.00	838.70	0.00	Interconnected Culvert
839.00	17.94	838.70	0.00	Interconnected Culvert

Subsection: Composite Rating Curve

Label: Interconnected Pond OCS

Scenario: 100 yr 24 hr

Return Event: 100.00 years

Storm Event: 24 hr 100 yr

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)	Contributing Structures
835.50	-23.06	839.00	0.00	Interconnected Culvert
835.70	-23.06	839.00	0.00	Interconnected Culvert
836.00	-23.06	839.00	0.00	Interconnected Culvert
836.20	-23.06	839.00	0.00	Interconnected Culvert
836.50	-23.06	839.00	0.00	Interconnected Culvert
836.70	-23.06	839.00	0.00	Interconnected Culvert
837.00	-23.06	839.00	0.00	Interconnected Culvert
837.20	-23.06	839.00	0.00	Interconnected Culvert
837.50	-23.06	839.00	0.00	Interconnected Culvert
837.70	-23.06	839.00	0.00	Interconnected Culvert
838.00	-23.06	839.00	0.00	Interconnected Culvert
838.20	-22.77	839.00	0.00	Interconnected Culvert
838.50	-20.17	839.00	0.00	Interconnected Culvert
838.70	-16.50	839.00	0.00	Interconnected Culvert
839.00	0.00	839.00	0.00	Interconnected Culvert

Subsection: Outlet Input Data
Label: North Pond OCS
Scenario: 2 yr 24 hr

Return Event: 2.00 years
Storm Event: 24 hr 2 yr

Requested Pond Water Surface Elevations	
Minimum (Headwater)	833.70 ft
Increment (Headwater)	0.50 ft
Maximum (Headwater)	839.00 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Orifice-Circular	North 2-Year Restrictor	Forward	TW	833.80	839.00
Orifice-Circular	North 100-Year Restrictor	Forward	TW	835.28	839.00
Tailwater Settings	Tailwater			(N/A)	(N/A)

Subsection: Outlet Input Data

Label: North Pond OCS

Scenario: 2 yr 24 hr

Return Event: 2.00 years

Storm Event: 24 hr 2 yr

Structure ID: North 2-Year Restrictor	
Structure Type: Orifice-Circular	
Number of Openings	1
Elevation	833.80 ft
Orifice Diameter	2.95 in
Orifice Coefficient	0.610
Structure ID: North 100-Year Restrictor	
Structure Type: Orifice-Circular	
Number of Openings	1
Elevation	835.28 ft
Orifice Diameter	3.10 in
Orifice Coefficient	0.610
Structure ID: TW	
Structure Type: TW Setup, DS Channel	
Tailwater Type	Free Outfall
Convergence Tolerances	
Maximum Iterations	30
Tailwater Tolerance (Minimum)	0.01 ft
Tailwater Tolerance (Maximum)	0.50 ft
Headwater Tolerance (Minimum)	0.01 ft
Headwater Tolerance (Maximum)	0.50 ft
Flow Tolerance (Minimum)	0.001 ft ³ /s
Flow Tolerance (Maximum)	10.000 ft ³ /s

Subsection: Individual Outlet Curves

Label: North Pond OCS

Scenario: 2 yr 24 hr

Return Event: 2.00 years

Storm Event: 24 hr 2 yr

RATING TABLE FOR ONE OUTLET TYPE

Structure ID = North 2-Year Restrictor (Orifice-Circular)

Upstream ID = (Pond Water Surface)

Downstream ID = Tailwater (Pond Outfall)

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)	Computation Messages
833.70	0.00	(N/A)	0.00	HW & TW below invert
833.80	0.00	(N/A)	0.00	Upstream HW & DNstream TW < Inv.El
834.20	0.12	(N/A)	0.00	H =.28
834.70	0.20	(N/A)	0.00	H =.78
835.20	0.26	(N/A)	0.00	H =1.28
835.28	0.27	(N/A)	0.00	H =1.36
835.70	0.31	(N/A)	0.00	H =1.78
836.20	0.35	(N/A)	0.00	H =2.28
836.70	0.39	(N/A)	0.00	H =2.78
837.20	0.42	(N/A)	0.00	H =3.28
837.70	0.45	(N/A)	0.00	H =3.78
838.20	0.48	(N/A)	0.00	H =4.28
838.70	0.51	(N/A)	0.00	H =4.78
839.00	0.52	(N/A)	0.00	H =5.08

Subsection: Individual Outlet Curves
 Label: North Pond OCS
 Scenario: 2 yr 24 hr

Return Event: 2.00 years
 Storm Event: 24 hr 2 yr

RATING TABLE FOR ONE OUTLET TYPE
 Structure ID = North 100-Year Restrictor (Orifice-Circular)

Upstream ID = (Pond Water Surface)
 Downstream ID = Tailwater (Pond Outfall)

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)	Computation Messages
833.70	0.00	(N/A)	0.00	HW & TW below invert
833.80	0.00	(N/A)	0.00	HW & TW below invert
834.20	0.00	(N/A)	0.00	HW & TW below invert
834.70	0.00	(N/A)	0.00	HW & TW below invert
835.20	0.00	(N/A)	0.00	HW & TW below invert
835.28	0.00	(N/A)	0.00	Upstream HW & DNstream TW < Inv.El
835.70	0.14	(N/A)	0.00	H =.29
836.20	0.23	(N/A)	0.00	H =.79
836.70	0.29	(N/A)	0.00	H =1.29
837.20	0.34	(N/A)	0.00	H =1.79
837.70	0.39	(N/A)	0.00	H =2.29
838.20	0.43	(N/A)	0.00	H =2.79
838.70	0.47	(N/A)	0.00	H =3.29
839.00	0.49	(N/A)	0.00	H =3.59

Subsection: Composite Rating Curve

Label: North Pond OCS

Scenario: 2 yr 24 hr

Return Event: 2.00 years

Storm Event: 24 hr 2 yr

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)	Contributing Structures
833.70	0.00	(N/A)	0.00	None Contributing
833.80	0.00	(N/A)	0.00	None Contributing
834.20	0.12	(N/A)	0.00	North 2-Year Restrictor
834.70	0.20	(N/A)	0.00	North 2-Year Restrictor
835.20	0.26	(N/A)	0.00	North 2-Year Restrictor
835.28	0.27	(N/A)	0.00	North 2-Year Restrictor
835.70	0.45	(N/A)	0.00	North 2-Year Restrictor + North 100-Year Restrictor
836.20	0.58	(N/A)	0.00	North 2-Year Restrictor + North 100-Year Restrictor
836.70	0.68	(N/A)	0.00	North 2-Year Restrictor + North 100-Year Restrictor
837.20	0.76	(N/A)	0.00	North 2-Year Restrictor + North 100-Year Restrictor
837.70	0.84	(N/A)	0.00	North 2-Year Restrictor + North 100-Year Restrictor
838.20	0.91	(N/A)	0.00	North 2-Year Restrictor + North 100-Year Restrictor
838.70	0.97	(N/A)	0.00	North 2-Year Restrictor + North 100-Year Restrictor
839.00	1.01	(N/A)	0.00	North 2-Year Restrictor + North 100-Year Restrictor

Subsection: Outlet Input Data

Label: North Pond OCS

Scenario: 100 yr 24 hr

Return Event: 100.00 years

Storm Event: 24 hr 100 yr

Requested Pond Water Surface Elevations	
Minimum (Headwater)	833.70 ft
Increment (Headwater)	0.50 ft
Maximum (Headwater)	839.00 ft

Outlet Connectivity

Structure Type	Outlet ID	Direction	Outfall	E1 (ft)	E2 (ft)
Orifice-Circular	North 2-Year Restrictor	Forward	TW	833.80	839.00
Orifice-Circular	North 100-Year Restrictor	Forward	TW	835.28	839.00
Tailwater Settings	Tailwater			(N/A)	(N/A)

Subsection: Outlet Input Data

Label: North Pond OCS

Scenario: 100 yr 24 hr

Return Event: 100.00 years

Storm Event: 24 hr 100 yr

Structure ID: North 2-Year Restrictor	
Structure Type: Orifice-Circular	
Number of Openings	1
Elevation	833.80 ft
Orifice Diameter	2.95 in
Orifice Coefficient	0.610
Structure ID: North 100-Year Restrictor	
Structure Type: Orifice-Circular	
Number of Openings	1
Elevation	835.28 ft
Orifice Diameter	3.10 in
Orifice Coefficient	0.610
Structure ID: TW	
Structure Type: TW Setup, DS Channel	
Tailwater Type	Free Outfall
Convergence Tolerances	
Maximum Iterations	30
Tailwater Tolerance (Minimum)	0.01 ft
Tailwater Tolerance (Maximum)	0.50 ft
Headwater Tolerance (Minimum)	0.01 ft
Headwater Tolerance (Maximum)	0.50 ft
Flow Tolerance (Minimum)	0.001 ft ³ /s
Flow Tolerance (Maximum)	10.000 ft ³ /s

Subsection: Individual Outlet Curves
Label: North Pond OCS
Scenario: 100 yr 24 hr

Return Event: 100.00 years
Storm Event: 24 hr 100 yr

RATING TABLE FOR ONE OUTLET TYPE
Structure ID = ()

Upstream ID =
Downstream ID =

Water Surface Elevation (ft)	Flow (ft³/s)	Tailwater Elevation (ft)	Convergence Error (ft)	Contributing Structures
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Subsection: Individual Outlet Curves
Label: North Pond OCS
Scenario: 100 yr 24 hr

Return Event: 100.00 years
Storm Event: 24 hr 100 yr

RATING TABLE FOR ONE OUTLET TYPE
Structure ID = ()

Upstream ID =
Downstream ID =

Water Surface Elevation (ft)	Flow (ft³/s)	Tailwater Elevation (ft)	Convergence Error (ft)	Contributing Structures
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Subsection: Composite Rating Curve

Label: North Pond OCS

Scenario: 100 yr 24 hr

Return Event: 100.00 years

Storm Event: 24 hr 100 yr

Composite Outflow Summary

Water Surface Elevation (ft)	Flow (ft ³ /s)	Tailwater Elevation (ft)	Convergence Error (ft)	Contributing Structures
833.70	0.00	(N/A)	0.00	None Contributing
833.80	0.00	(N/A)	0.00	None Contributing
834.20	0.12	(N/A)	0.00	North 2-Year Restrictor
834.70	0.20	(N/A)	0.00	North 2-Year Restrictor
835.20	0.26	(N/A)	0.00	North 2-Year Restrictor
835.28	0.27	(N/A)	0.00	North 2-Year Restrictor
835.70	0.45	(N/A)	0.00	North 2-Year Restrictor + North 100-Year Restrictor
836.20	0.58	(N/A)	0.00	North 2-Year Restrictor + North 100-Year Restrictor
836.70	0.68	(N/A)	0.00	North 2-Year Restrictor + North 100-Year Restrictor
837.20	0.76	(N/A)	0.00	North 2-Year Restrictor + North 100-Year Restrictor
837.70	0.84	(N/A)	0.00	North 2-Year Restrictor + North 100-Year Restrictor
838.20	0.91	(N/A)	0.00	North 2-Year Restrictor + North 100-Year Restrictor
838.70	0.97	(N/A)	0.00	North 2-Year Restrictor + North 100-Year Restrictor
839.00	1.01	(N/A)	0.00	North 2-Year Restrictor + North 100-Year Restrictor

Subsection: Interconnected Pond Routing Summary
 Label: North Pond
 Scenario: 2 yr 24 hr

Return Event: 2.00 years
 Storm Event: 24 hr 2 yr

Infiltration					
Infiltration Method (Computed)	No Infiltration				
Initial Conditions			Calculation Tolerances		
Elevation (Starting Water Surface Computed)	833.70	ft	Flow Tolerance (Minimum)	0.000	ft ³ /s
Volume (Starting)	0.000	ac-ft	Maximum Iterations	35	
Outflow (Starting)	0.00	ft ³ /s	ICPM Time Step	0.50	hours
		Time to Peak (hours)	Maximum Storage Elevation (ft)	Volume (ac-ft)	
		24.00	835.28	0.832	
		Forward Flow Peaks		Reverse Flow Peaks	
	Time to Peak (hours)	Flow (Peak) (ft ³ /s)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)	
Pond Inflow....	15.90	1.56	0.00	0.00	
Pond Outflow...	24.00	0.27	0.00	0.00	
		Total Volume In		Total Volume Out	
	Volume (ac-ft)	Direction	Volume (ac-ft)	Direction	
Pond Inflow....	1.076	Forward	0.000	Reverse	
Pond Outflow...	0.000	Reverse	1.039	Forward	
Mass Balance (ac-ft)					
Volume (Initial ICPM)		0.000 ac-ft			
Volume (Total In ICPM)		1.076 ac-ft			
Volume (Total Out ICPM)		1.039 ac-ft			
Volume (Ending)		0.036 ac-ft			
Elevation (Ending)		833.87 ft			
Difference		0.000 ac-ft			
Percent of Inflow Volume (Interconnected Pond Mass Balance)		0.0 %			

Subsection: Interconnected Pond Routing Summary
 Label: North Pond
 Scenario: 100 yr 24 hr

Return Event: 100.00 years
 Storm Event: 24 hr 100 yr

Infiltration					
Infiltration Method (Computed)	No Infiltration				
Initial Conditions			Calculation Tolerances		
Elevation (Starting Water Surface Computed)	833.70	ft	Flow Tolerance (Minimum)	0.000	ft ³ /s
Volume (Starting)	0.000	ac-ft	Maximum Iterations	35	
Outflow (Starting)	0.00	ft ³ /s	ICPM Time Step	0.50	hours
		Time to Peak (hours)	Maximum Storage Elevation (ft)	Volume (ac-ft)	
		21.10	838.29	2.799	
		Forward Flow Peaks		Reverse Flow Peaks	
	Time to Peak (hours)	Flow (Peak) (ft ³ /s)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)	
Pond Inflow....	15.10	4.82	0.00	0.00	
Pond Outflow...	21.10	0.92	0.00	0.00	
		Total Volume In		Total Volume Out	
	Volume (ac-ft)	Direction	Volume (ac-ft)	Direction	
Pond Inflow....	3.788	Forward	0.000	Reverse	
Pond Outflow...	0.000	Reverse	3.542	Forward	
Mass Balance (ac-ft)					
Volume (Initial ICPM)		0.000 ac-ft			
Volume (Total In ICPM)		3.788 ac-ft			
Volume (Total Out ICPM)		3.542 ac-ft			
Volume (Ending)		0.245 ac-ft			
Elevation (Ending)		834.25 ft			
Difference		0.001 ac-ft			
Percent of Inflow Volume (Interconnected Pond Mass Balance)		0.0 %			

Subsection: Interconnected Pond Routing Summary

Label: South Pond

Scenario: 2 yr 24 hr

Return Event: 2.00 years

Storm Event: 24 hr 2 yr

Infiltration

Infiltration Method (Computed)	No Infiltration
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Initial Conditions			Calculation Tolerances		
Elevation (Starting Water Surface Computed)	835.50	ft	Flow Tolerance (Minimum)	0.000	ft ³ /s
Volume (Starting)	0.000	ac-ft	Maximum Iterations	35	
Outflow (Starting)	0.00	ft ³ /s	ICPM Time Step	0.50	hours

	Time to Peak (hours)	Maximum Storage Elevation (ft)	Volume (ac-ft)
	16.10	836.84	0.027

	Forward Flow Peaks		Reverse Flow Peaks	
	Time to Peak (hours)	Flow (Peak) (ft ³ /s)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Pond Inflow....	15.90	0.75	0.00	0.00
Pond Outflow...	16.10	0.74	0.00	0.00

	Total Volume In		Total Volume Out	
	Volume (ac-ft)	Direction	Volume (ac-ft)	Direction
Pond Inflow....	0.519	Forward	0.000	Reverse
Pond Outflow...	0.000	Reverse	0.519	Forward

Mass Balance (ac-ft)

Volume (Initial ICPM)	0.000 ac-ft
Volume (Total In ICPM)	0.519 ac-ft
Volume (Total Out ICPM)	0.519 ac-ft
Volume (Ending)	0.000 ac-ft
Elevation (Ending)	836.50 ft
Difference	0.000 ac-ft
Percent of Inflow Volume (Interconnected Pond Mass Balance)	0.0 %

Subsection: Interconnected Pond Routing Summary

Label: South Pond

Scenario: 100 yr 24 hr

Return Event: 100.00 years

Storm Event: 24 hr 100 yr

Infiltration

Infiltration Method (Computed)	No Infiltration
-----------------------------------	-----------------

Initial Conditions			Calculation Tolerances		
Elevation (Starting Water Surface Computed)	835.50	ft	Flow Tolerance (Minimum)	0.000	ft ³ /s
Volume (Starting)	0.000	ac-ft	Maximum Iterations	35	
Outflow (Starting)	0.00	ft ³ /s	ICPM Time Step	0.50	hours

	Time to Peak (hours)	Maximum Storage Elevation (ft)	Volume (ac-ft)
	21.20	838.29	0.168

	Forward Flow Peaks		Reverse Flow Peaks	
	Time to Peak (hours)	Flow (Peak) (ft ³ /s)	Time to Peak (hours)	Flow (Peak) (ft ³ /s)
Pond Inflow....	15.80	2.31	0.00	0.00
Pond Outflow...	15.10	2.28	0.00	0.00

	Total Volume In		Total Volume Out	
	Volume (ac-ft)	Direction	Volume (ac-ft)	Direction
Pond Inflow....	1.825	Forward	0.000	Reverse
Pond Outflow...	0.000	Reverse	1.781	Forward

Mass Balance (ac-ft)

Volume (Initial ICPM)	0.000 ac-ft
Volume (Total In ICPM)	1.825 ac-ft
Volume (Total Out ICPM)	1.781 ac-ft
Volume (Ending)	0.000 ac-ft
Elevation (Ending)	836.50 ft
Difference	0.044 ac-ft
Percent of Inflow Volume (Interconnected Pond Mass Balance)	2.4 %

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APPENDIX B-2

Proposed Stormwater Calculations



100 East State Parkway
Schaumburg, Illinois 60173-5300
Tel: 847.394.6600
Fax: 847.394.6608

NORTH POND STORMWATER SUMMARY

Project: Meadow Grove
Location: Lake Zurich, IL
Project #: 24-136

Prepared: KJL
Reviewed: KML
Date: 11/7/2024

A. North Pond Design Summary

Area Tributary to North Pond =	3.56 Acres
Area Tributary to South Pond =	3.18 Acres
Total Area Tributary to North and South Ponds =	6.74 Acres
2-Yr, 24-Hr Allowable Release Rate =	0.04 cfs/acre
2-Yr, 24-Hr Design Release Rate =	0.27 cfs
100-Yr, 24-Hr Allowable Release Rate =	0.15 cfs/acre
100-Yr, 24-Hr Design Release Rate =	1.01 cfs

C. North Pond Storage Calculations

Impervious Area to North Pond = 0.39 Acres | Required Retention Volume = 1/12 ft * 0.39 acres = 0.033 acre-ft

Required Retention Volume = 0.033 acre-ft | Provided Retention Volume = 0.051 acre-ft

North Pond Detention Storage (Based on Contour Slice Method)				
Contour	Area (SF)	Incremental Volume (CF)	Incremental Volume (Ac-ft)	Accumulated Volume (Ac-ft)
833.70	22,027			0.000
		2,219	0.051	
833.80	22,344			0.000
		4,533	0.104	
834.00	22,981			0.104
		24,209	0.556	
835.00	25,437			0.660
		26,285	0.603	
836.00	27,132			1.263
		27,989	0.643	
837.00	28,846			1.906
		29,713	0.682	
838.00	30,579			2.588
		31,455	0.722	
839.00	32,330			3.310

(Pond Bottom)

Pond NWL

(100-Yr Design HWL)

PROPOSED CONDITIONS ORIFICE/WEIR STRUCTURE RATING ANALYSIS

North Pond

OUTLET:	2-YEAR ORIFICE:	2.95	IN. DIA. @ ELEV	833.80
	100-YEAR ORIFICE:	3.10	IN. DIA. @ ELEV	835.28

ORIFICE FLOW EQUATION: $Q = C_d A (2gH)^{0.5}$

HYDRAULIC DIMENSIONS

2-YEAR ORIFICE	
ORIFICE AREA (ft ²)	0.0475
ORIFICE DIAMETER (in)	2.95
ORIFICE DISCHARGE COEFFICIENT	0.61
ORIFICE ELEV. (ft-NAVD88)	833.80
CENTER OF ORIFICE (ft-NAVD88)	833.92
100-YEAR ORIFICE	
ORIFICE AREA (ft ²)	0.0524
ORIFICE DIAMETER (in)	3.10
ORIFICE DISCHARGE COEFFICIENT	0.61
ORIFICE ELEV. (ft-NAVD88)	835.28
CENTER OF ORIFICE (ft-NAVD88)	835.41

ELEVATION-DISCHARGE RELATIONSHIP

Elevation (feet)	Head-2 Year (ft)	Q-2 Year Restr. (cfs)	Head-100 Year (ft)	Q-100 Year Restr. (cfs)	Q-Total (cfs)
833.20	0.00	0.00	0.00	0.00	0.00
834.00	0.08	0.06	0.00	0.00	0.06
835.00	1.08	0.24	0.00	0.00	0.24
835.28	1.36	0.27	0.00	0.00	0.27
836.00	2.08	0.33	0.59	0.20	0.53
837.00	3.08	0.41	1.59	0.32	0.73
838.00	4.08	0.47	2.59	0.41	0.88
839.00	5.08	0.52	3.59	0.49	1.01



100 East State Parkway
Schaumburg, Illinois 60173-5300
Tel: 847.394.6600
Fax: 847.394.6608

SOUTH POND STORMWATER SUMMARY

Project: Meadow Grove
Location: Lake Zurich, IL
Project #: 24-136

Prepared: KJL
Reviewed: KML
Date: 11/7/2024

C. South Pond Storage Calculations

Impervious Area to South Pond = 0.63 Acres | Required Retention Volume = 1/12 ft * 0.75 acres = 0.053 acre-ft
Required Retention Volume = 0.053 acre-ft | Provided Retention Volume = 0.063 acre-ft

South Pond Detention Storage (Based on Contour Slice Method)				
Contour	Area (SF)	Incremental Volume (CF)	Incremental Volume (Ac-ft)	Accumulated Volume (Ac-ft)
835.50	2,326			0.000
		2,764	0.063	
836.50	3,201			0.000
		1,715	0.039	
837.00	3,660			0.039
		4,141	0.095	
838.00	4,621			0.134
		5,130	0.118	
839.00	5,638			0.252

(Pond Bottom)

(Pond NWL)

(100-Yr Design HWL)

From: [Brian Frank](#)
To: [Kimberly Lask](#)
Cc: [Philip Ruiz](#); [Mike Brown](#)
Subject: RE: [EXTERNAL] Verification of BFE in Lake Zurich
Date: Tuesday, November 5, 2024 9:25:35 AM
Attachments: [SMC RGM #2022-02_BFE.pdf](#)

You don't often get email from bfrank@lakecountyil.gov. [Learn why this is important](#)

Good Morning Kim,

SMC does have a file regarding this BFE for the Meadow Wood Subdivision (05-25-072). Based on the Final Plat of Subdivision for Meadow Wood dated 10/24/2005 the use of this SMC previously approved BFE of 833.2 (05-25-072) is acceptable for Lots 1 – 10 of this subdivision. Lot 11 states that it will be dedicated to HOA, proposed develop on lot 11 may need additional BFE analysis.

Please note this SMC approved BFE is being used as best available information and has not been approved by FEMA. A BFE approval by FEMA will supersede this approval. Lake Zurich (Certified Community) will need to approve the continued use of the BFE as part of their review process for this subdivision development, please refer to attached RGM 2022-02.

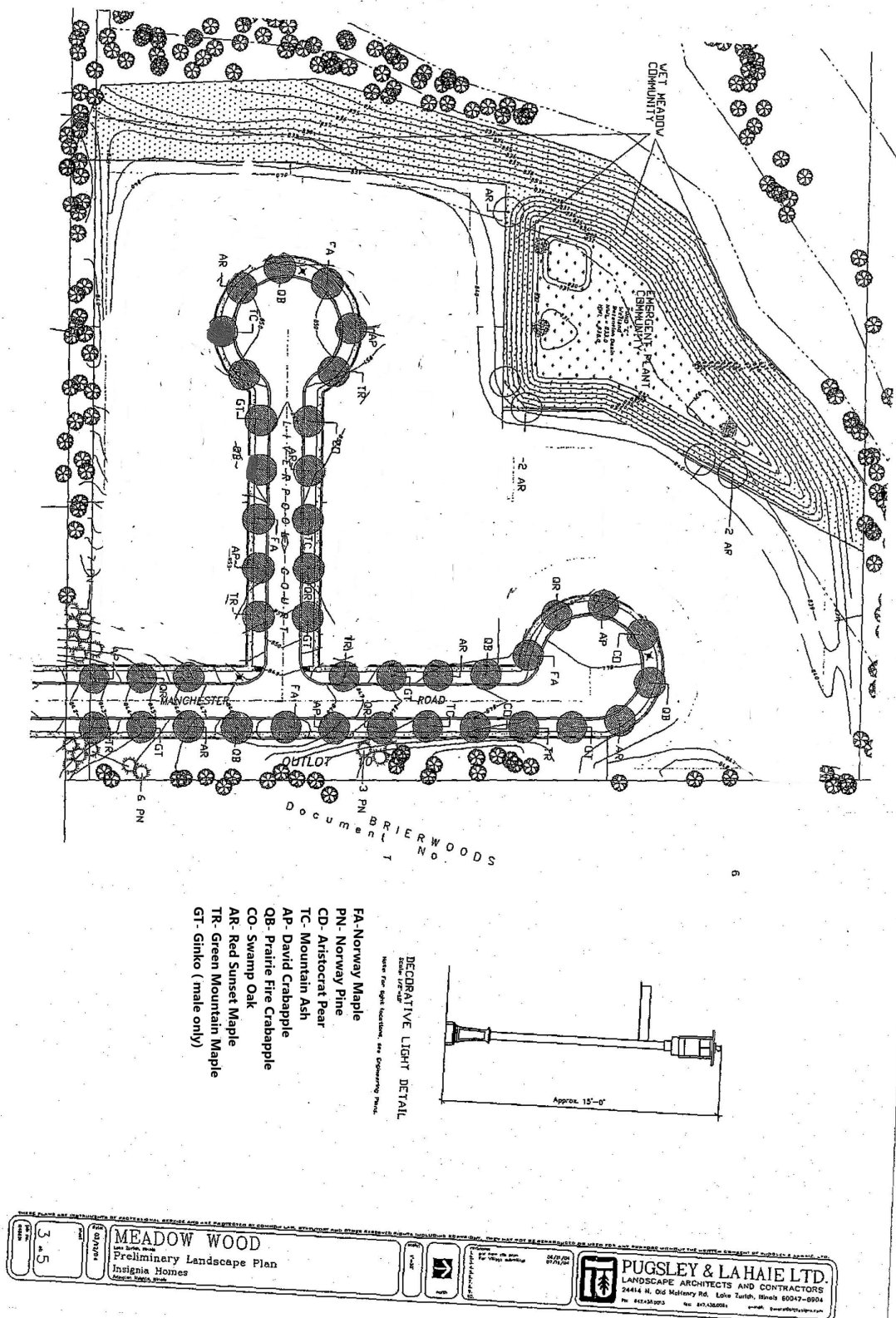
Kind Regards,
 Brian

Brian Frank, PE, CFM
 Chief Engineer
 Lake County Stormwater Management Commission
 500 W. Winchester Rd, Suite 201
 Libertyville, IL 60048
 W (Desk) 847-377-7704
 W (SMC) 847-377-7700

From: Juli Crane <JCrane@lakecountyil.gov>
Sent: Tuesday, November 5, 2024 7:24 AM
To: Philip Ruiz <PRuiz@lakecountyil.gov>
Cc: Brian Frank <BFrank@lakecountyil.gov>
Subject: FW: [EXTERNAL] Verification of BFE in Lake Zurich

Something for an engineer to best answer.

Juli E. Crane, Sr PWS, CWS
 Principal Wetland Specialist
I am currently working a hybrid office-remote schedule; all voicemails are forwarded to my email.





July 9, 2024

Kirk Rustman
Sunrise Development
kirk.rustman@yahoo.com

EMAIL

Subject: **Preliminary Wetland Assessment
Tract B – 0 Manchester Road
Village of Lake Zurich - Lake County, IL**

Dear Mr. Rustman:

DK Environmental Services, Inc (DKES) conducted a Preliminary Wetland Determination for the future residential subdivision project site located at 0 Manchester Road in the Village of Lake Zurich. Source materials and publicly accessible data were reviewed in advance of the site investigation to determine the presence and extent of hydrologic connections, water features, and potential wetland areas (PWA's) that are likely to exist on the subject property and beyond the property limits. This was followed by an on-site investigation and flagging of the water feature for survey (to be completed by others). DKES completed field reconnaissance and wetland flagging on July 9, 2024.

The ±8-acre project development area currently consists of eleven unimproved parcels within Meadow Wood Subdivision recorded as Tract "B" and is located west of Tanglewood Lane and north of Manchester Rd. in the Village of Lake Zurich, Lake County, IL 60047 (see Exhibit 1 on p.4 below).

No wetlands were found on site. The study site extends beyond the future development site to identify the limits of the adjacent wetlands. The residential development site consists of moderately well-drained Ozaukee soils (530 C2/D3) and gently slopes to the north and west. Our investigation identified a single, isolated wetland area (**WETLAND "A"**) at the toe of the slope located to the west and north of the project area. For the portion of Wetland A contained within Lot 12 of Meadow Wood Subdivision at the west (PIN# 14-07-402-040) the wetland appears to be preserved in a conservation easement and is owned and maintained by the Meadow Wood Homeowner's Association. The emergent marsh extends onto the unincorporated property to the north under private ownership (PIN# 14-07-400-001) through a narrow drainage channel that separates the upland areas.

A review of the Lake County Wetland Inventory (Exhibit 2) indicates that there are no ADID (Advanced Identification) wetlands present within the project site. The identified Wetland A is depicted as a standard wetland and is not shown to be a high-quality aquatic resource (HQR).

DK Environmental Services, Inc.

1

Meadow Wood Subdivision
LAKE ZURICH

The Lake County GIS topographic layer indicates a closed depressional water feature of approximately 14 acres with no outlet and is generally shown to the west and north of the development site. The site is in the Flint Creek Watershed Planning Area, within the greater Fox River Watershed.

The National Wetland Inventory (NWI) map (Exhibit 3) shows a freshwater pond labeled PEM1F, describing a freshwater emergent wetland that is semi-permanently flooded.

During our field investigation, a total of one (1) on-site water feature: **WETLAND "A"**, an isolated, permanently inundated pond depression that has no continuous surface connection with a traditionally navigable Waters of the US (WOTUS), was confirmed and identified off-site to the west and north portion of the development site. The emergent marsh was flagged at the border and was inundated at the time of the field reconnaissance. Dominant vegetation observed within the marsh consists of narrow-leaved cattail (*Typha angustifolia*), which is bordered by a dense thicket of invasive, non-native shrubs including common buckthorn (*Rhamnus cathartica*) and honeysuckle (*Lonicera tatarica*).

The water feature meeting wetland conditions identified outside the development site is summarized below:

AREA/FEATURE	FLAGS	TYPE	MAPPED SOIL SERIES	JURISDICTION	HQAR
WETLAND A	A1-A28	Freshwater Emergent Wetland	<u>4103A</u> Houghton muck ponded 0 to 2 percent slopes Hydric	LAKE CO SMC* -----	No

***NOTE: Wetland A Jurisdiction must be confirmed by USACE and in coordination with the Lake County SMC**

- There are no wetlands identified on the development site
- WL "A" identified off-site to the west and north appears to be wholly off-site and does not encroach onto the development site
- WL "A" ribbon flags were affixed to live vegetation and labeled as depicted on the attached Exhibit 4 (for survey by others)
- WL "A" is a closed depression with no discernible outlet or connection to traditionally navigable waters of the US:

- (1) Wetland A is not adjacent to a WOTUS, and
- (2) Wetland A does not have a continuous surface connection with a WOTUS

Therefore, the water feature is likely under the local jurisdiction of the Lake County Stormwater Management Commission.

Note that this report is the opinion of DKES, Inc. and must be confirmed by regulatory agencies.
Please contact our office should you have any additional questions or if we can be of further assistance.

Sincerely,



Daniel J. Krill CWS, CPESC, DECI
President, Ecologist
DK ENVIRONMENTAL SERVICES, INC.

Exhibits

1. Site Location Map with Hydro Lines
2. Lake County Wetland Inventory
3. National Wetland Inventory
4. Approximate WL-A Boundary (*flagged 7.09.2024*)
5. Representative Site Photos

Exhibit 1: LOCATION MAP: PROJECT STUDY AREA w/hydro lines

**0 Manchester Road in the Village of Lake Zurich
Lake County, IL 60047
(approx. 8-acre site)**

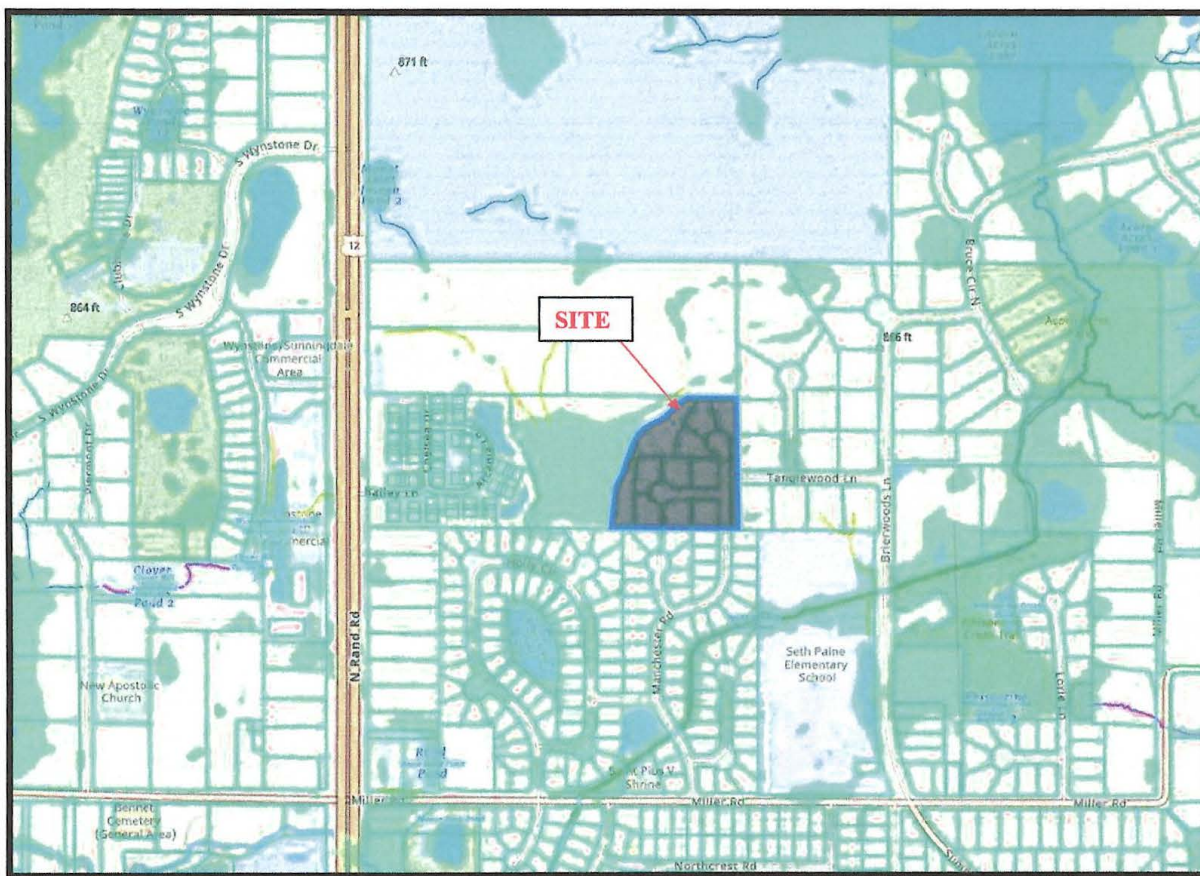
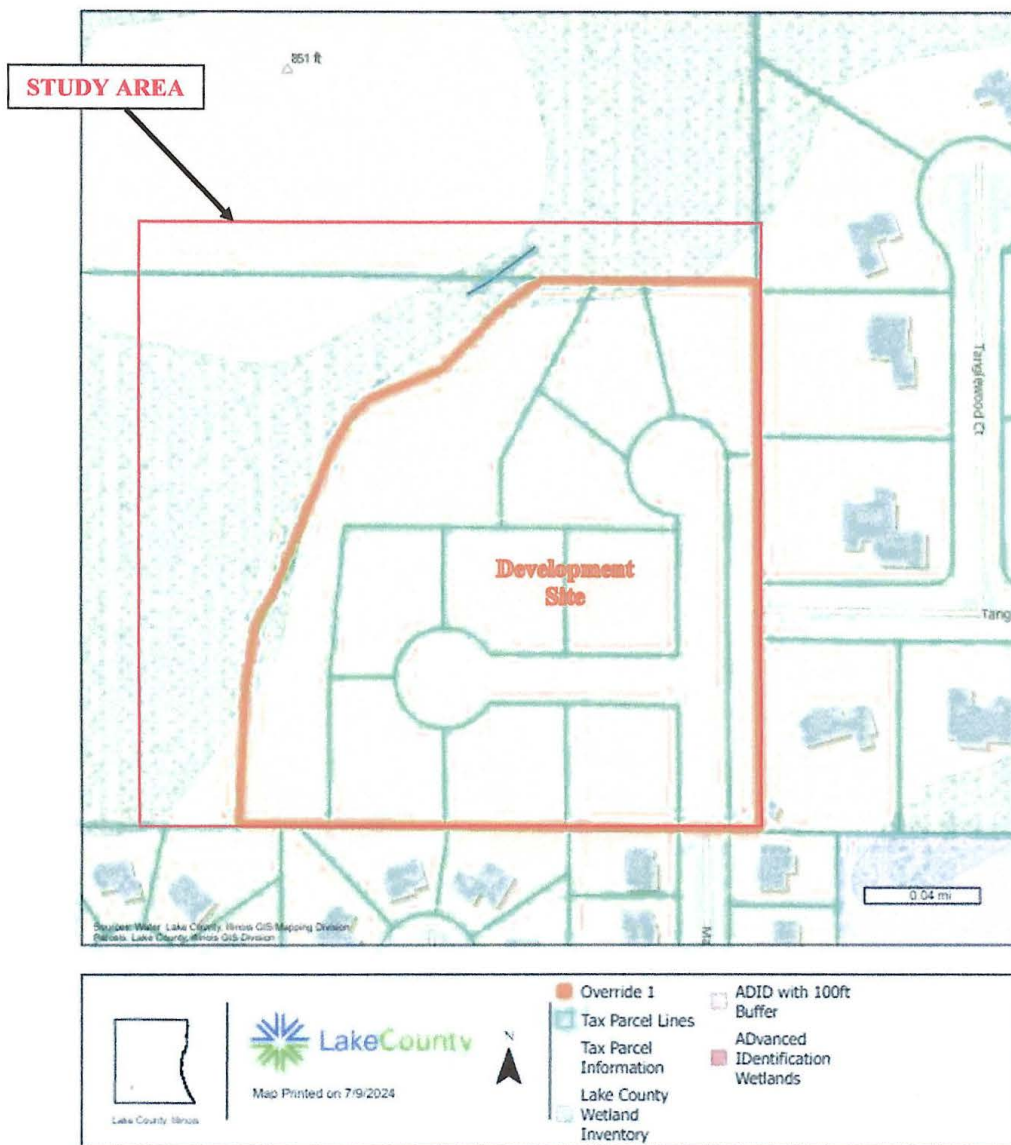


Exhibit 2: LAKE COUNTY WETLAND INVENTORY

0 Manchester, Lake Zurich

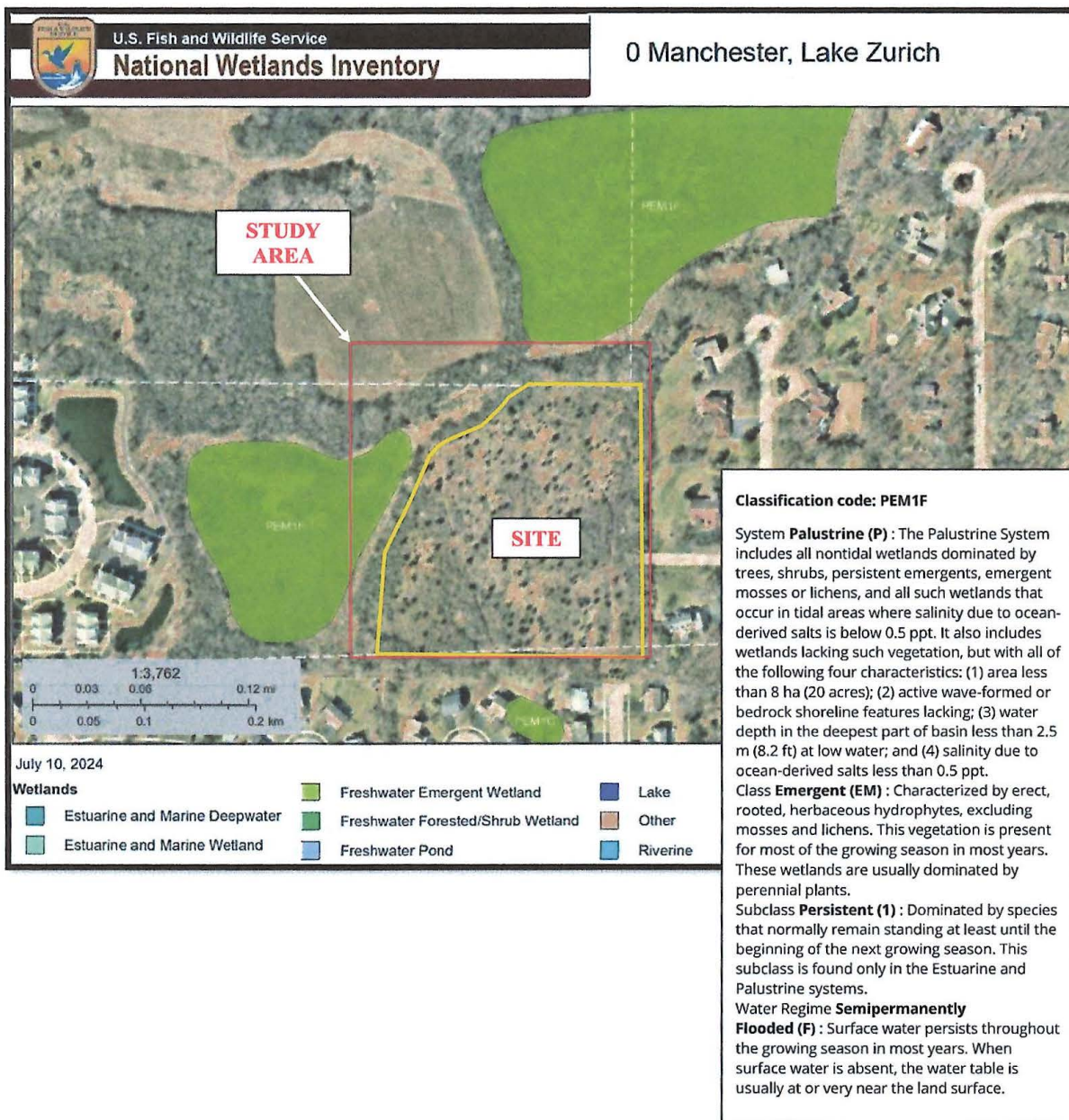


DK Environmental Services, Inc.

5

Meadow Wood Subdivision
LAKE ZURICH

Exhibit 3: National Wetland Inventory (NWI)

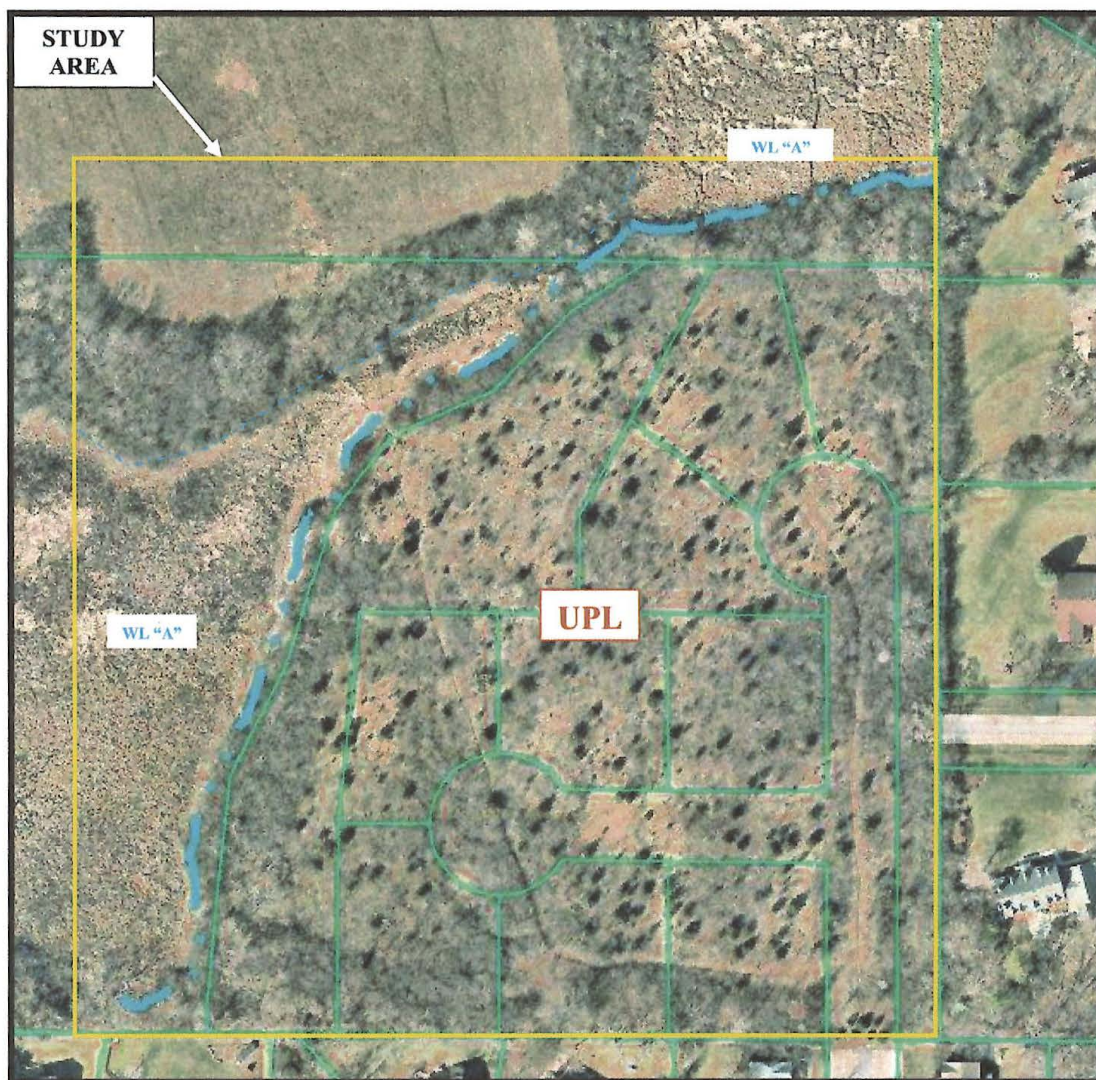


DK Environmental Services, Inc.

Meadow Wood Subdivision
LAKE ZURICH

DKES INC.

Exhibit 4: Approximate Wetland Area Boundary
Wetland Ribbon Flags A1-A28



DK Environmental Services, Inc.

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Meadow Wood Subdivision
LAKE ZURICH

Exhibit 5: Representative Site Photos



View of WL-A posted at SW of site – facing NW



View of flagged WL-A at southwest
Wetland bordered by common buckthorn - facing NW



View of WL-A at west – cattail marsh facing W



View of WL-A posted and flagged at west of site – facing NW



Narrow channel at NW of site connecting two large depressions – facing NE



End flag #A28 at pipe outfall – NE of site facing N



Applicant: Haeger Engineering LLC
Contact: Kevin Lipinski
Address: 100 E. State Parkway
 Schaumburg, IL 60173

IDNR Project Number: 2505140
Date: 10/16/2024
Alternate Number: 24-136

Project: Meadow Wood Subdivision
Address: Manchester Road and Tanglewood Lane, Lake Zurich

Description: Single family residential subdivision northeast of Rand Road and Miller Road in Lake Zurich.

Natural Resource Review Results

Consultation for Endangered Species Protection and Natural Areas Preservation (Part 1075)

The Illinois Natural Heritage Database contains no record of State-listed threatened or endangered species, Illinois Natural Area Inventory sites, dedicated Illinois Nature Preserves, or registered Land and Water Reserves in the vicinity of the project location.

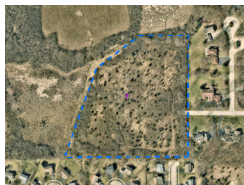
Consultation is terminated. This consultation is valid for two years unless new information becomes available that was not previously considered; the proposed action is modified; or additional species, essential habitat, or Natural Areas are identified in the vicinity. If the project has not been implemented within two years of the date of this letter, or any of the above listed conditions develop, a new consultation is necessary. Termination does not imply IDNR's authorization or endorsement.

Location

The applicant is responsible for the accuracy of the location submitted for the project.

County: Lake

Township, Range, Section:
 43N, 10E, 7



IL Department of Natural Resources
Contact
 Isabella Newingham
 217-785-5500
 Division of Ecosystems & Environment

Government Jurisdiction
 IL Environmental Protection Agency
 Alan Keller
 1021 North Grand Avenue East
 Springfield, Illinois 62794 -9276

Disclaimer

The Illinois Natural Heritage Database cannot provide a conclusive statement on the presence, absence, or condition of natural resources in Illinois. This review reflects the information existing in the Database at the time of this inquiry, and should not be regarded as a final statement on the site being considered, nor should it be a substitute for detailed site surveys or field surveys required for environmental assessments. If additional protected resources are encountered during the project's implementation, compliance with applicable statutes and regulations is required.

IDNR Project Number: 2505140

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By using this website, you acknowledge that you have read and agree to these terms. These terms may be revised by IDNR as necessary. If you continue to use the EcoCAT application after we post changes to these terms, it will mean that you accept such changes. If at any time you do not accept the Terms of Use, you may not continue to use the website.

1. The IDNR EcoCAT website was developed so that units of local government, state agencies and the public could request information or begin natural resource consultations on-line for the Illinois Endangered Species Protection Act, Illinois Natural Areas Preservation Act, and Illinois Interagency Wetland Policy Act. EcoCAT uses databases, Geographic Information System mapping, and a set of programmed decision rules to determine if proposed actions are in the vicinity of protected natural resources. By indicating your agreement to the Terms of Use for this application, you warrant that you will not use this web site for any other purpose.

2. Unauthorized attempts to upload, download, or change information on this website are strictly prohibited and may be punishable under the Computer Fraud and Abuse Act of 1986 and/or the National Information Infrastructure Protection Act.

3. IDNR reserves the right to enhance, modify, alter, or suspend the website at any time without notice, or to terminate or restrict access.

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Unauthorized use, tampering with or modification of this system, including supporting hardware or software, may subject the violator to criminal and civil penalties. In the event of unauthorized intrusion, all relevant information regarding possible violation of law may be provided to law enforcement officials.

Privacy

EcoCAT generates a public record subject to disclosure under the Freedom of Information Act. Otherwise, IDNR uses the information submitted to EcoCAT solely for internal tracking purposes.



HardiePlank® Lap Siding

EFFECTIVE SEPTEMBER 2019

IMPORTANT: FAILURE TO FOLLOW JAMES HARDIE WRITTEN INSTALLATION INSTRUCTIONS AND COMPLY WITH APPLICABLE BUILDING CODES MAY VIOLATE LOCAL LAWS, AFFECT BUILDING ENVELOPE PERFORMANCE AND MAY AFFECT WARRANTY COVERAGE. FAILURE TO COMPLY WITH ALL HEALTH AND SAFETY REGULATIONS WHEN CUTTING AND INSTALLING THIS PRODUCT MAY RESULT IN PERSONAL INJURY. BEFORE INSTALLATION, CONFIRM YOU ARE USING THE CORRECT HARDIEZONE® PRODUCT INSTRUCTIONS BY VISITING HARDIEZONE.COM OR CALL 1-866-942-7343 (866-9-HARDIE)

STORAGE & HANDLING:

Store flat and keep dry and covered prior to installation. Installing siding wet or saturated may result in shrinkage at butt joints. Carry planks on edge. Protect edges and corners from breakage. James Hardie is not responsible for damage caused by improper storage and handling of the product.



CUTTING INSTRUCTIONS

OUTDOORS

1. Position cutting station so that airflow blows dust away from the user and others near the cutting area.
2. Cut using one of the following methods:
 - a. Best: Circular saw equipped with a HardieBlade® saw blade and attached vacuum dust collection system. Shears (manual, pneumatic or electric) may also be used, not recommended for products thicker than 7/16 in.
 - b. Better: Circular saw equipped with a dust collection feature (e.g. Roan® saw) and a HardieBlade saw blade.
 - c. Good: Circular saw equipped with a HardieBlade saw blade.

INDOORS

- DO NOT grind or cut with a power saw indoors. Cut using shears (manual, pneumatic or electric) or the score and snap method, not recommended for products thicker than 7/16 in.
- DO NOT dry sweep dust; use wet dust suppression or vacuum to collect dust.
 - For maximum dust reduction, James Hardie recommends using the "Best" cutting practices. Always follow the equipment manufacturer's instructions for proper operation.
 - For best performance when cutting with a circular saw, James Hardie recommends using HardieBlade® saw blades.
 - Go to jameshardiepros.com for additional cutting and dust control recommendations.

IMPORTANT: The Occupational Safety and Health Administration (OSHA) regulates workplace exposure to silica dust. For construction sites, OSHA has deemed that cutting fiber cement with a circular saw having a blade diameter less than 8 inches and connected to a commercially available dust collection system per manufacturer's instructions results in exposures below the OSHA Permissible Exposure Limit (PEL) for respirable crystalline silica, without the need for additional respiratory protection.

If you are unsure about how to comply with OSHA silica dust regulations, consult a qualified industrial hygienist or safety professional, or contact your James Hardie technical sales representative for assistance. James Hardie makes no representation or warranty that adopting a particular cutting practice will assure your compliance with OSHA rules or other applicable laws and safety requirements.

IMPORTANT: To prevent damage to the drip edge, extra care should be taken when removing planks from the pallet, while handling, and when installing with a lap gauge. Please see additional handling requirements on page 4.

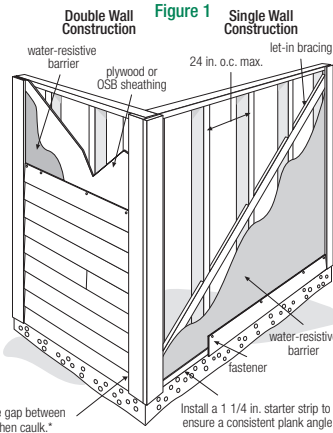
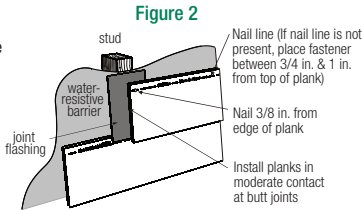
GENERAL REQUIREMENTS:

- HardiePlank® lap siding can be installed over braced wood or steel studs, 20 gauge (33 mils) minimum to 16 gauge (54 mils) maximum, spaced a maximum of 24 in o.c. or directly to minimum 7/16 in thick OSB sheathing. See General Fastening Requirements. Irregularities in framing and sheathing can mirror through the finished application. Correct irregularities before installing siding.
- Information on installing James Hardie products over non-naillable substrates (ex: gypsum, foam, etc.) can be located in JH Tech Bulletin 19 at www.jameshardie.com
- A water-resistive barrier is required in accordance with local building code requirements. The water-resistive barrier must be appropriately installed with penetration and junction flashing in accordance with local building code requirements. James Hardie will assume no responsibility for water infiltration. James Hardie does manufacture HardieWrap® Weather Barrier, a non-woven non-perforated housewrap¹, which complies with building code requirements.
- Adjacent finished grade must slope away from the building in accordance with local building codes - typically a minimum of 6 in. in the first 10 ft..
- Do not use HardiePlank lap siding in Fascia or Trim applications.
- Do not install James Hardie products, such that they may remain in contact with standing water.
- HardiePlank lap siding may be installed on flat vertical wall applications only.
- For larger projects, including commercial and multi-family projects, where the span of the wall is significant in length, the designer and/or architect should take into consideration the coefficient of thermal expansion and moisture movement of the product in their design. These values can be found in the Technical Bulletin "Expansion Characteristics of James Hardie® Siding Products" at www.jameshardie.com.
- James Hardie Building Products provides installation /wind load information for buildings with a maximum mean roof height of 85 feet. For information on installations above 60 feet, please contact JH technical support.

INSTALLATION: JOINT TREATMENT

One or more of the following joint treatment options are required by code (as referenced 2009 IRC R703.10.2)

- A. Joint Flashing (James Hardie recommended)
- B. Caulking* (Caulking is not recommended for ColorPlus for aesthetic reasons as the Caulking and ColorPlus will weather differently. For the same reason, do not caulk nail heads on ColorPlus products.)
- C. "H" jointer cover



Note: Field painting over caulking may produce a sheen difference when compared to the field painted PrimePlus. *Refer to Caulking section in these instructions.
¹For additional information on HardieWrap® Weather Barrier, consult James Hardie at 1-866-4Hardie or www.hardiewrap.com

SELECT CEDARMILL® | SMOOTH | BEADED CEDARMILL® | BEADED SMOOTH

Visit jameshardiepros.com for the most recent version.



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HardiePlank® Lap Siding

CLEARANCE AND FLASHING REQUIREMENTS

Figure 3
Roof to Wall

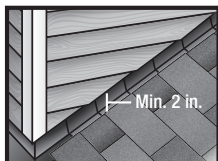


Figure 4
Horizontal Flashing

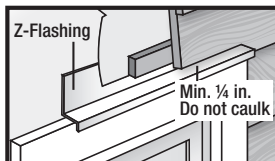


Figure 5
Kickout Flashing

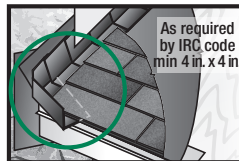


Figure 6
Slabs, Path, Steps to Siding

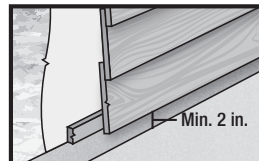


Figure 7
Deck to Wall

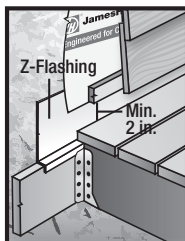


Figure 8
Ground to Siding

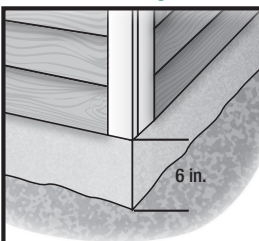


Figure 9
Gutter to Siding



Figure 10
Sheltered Areas

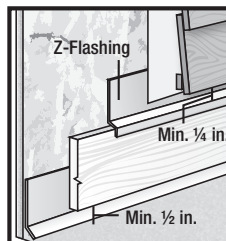


Figure 11
Mortar/Masonry

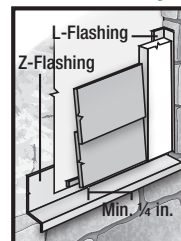


Figure 12
Drip Edge

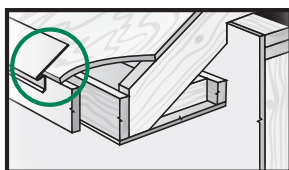


Figure 13
Block Penetration

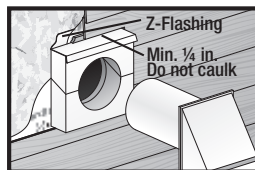
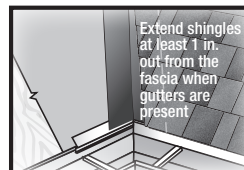


Figure 14
Valley/Shingle Extension



FASTENER REQUIREMENTS*

Refer to the applicable ESR report online to determine which fastener meets your wind load design criteria.

Blind Nailing is the preferred method of installation for HardiePlank® lap siding products. Face nailing should only be used where required by code for high wind areas and must not be used in conjunction with Blind nailing (Please see JH Tech bulletin 17 for exemption when doing a repair).

BLIND NAILING

Nails - Wood Framing

- Siding nail (0.09 in. shank x 0.221 in. HD x 2 in. long)
- 11ga. roofing nail (0.121 in. shank x 0.371 in. HD x 1.25 in. long)

Screws - Steel Framing

- Ribbed Wafer-head or equivalent (No. 8 x 1 1/4 in. long x 0.375 in. HD) Screws must penetrate 3 threads into metal framing.

Nails - Steel Framing

- ET & F Panelfast® nails or equivalent (0.10 in. shank x 0.313 in. HD x 1-1/2 in. long) Nails must penetrate minimum 1/4 in. into metal framing.

OSB minimum 7/16 in.

- Siding nail (0.09 in. shank x 0.215 in. HD x 1-1/2 in. long)
- Ribbed Wafer-head or equivalent (No. 8 x 1 5/8 in. long x 0.375 in. HD).

FACE NAILING

Nails - Wood Framing

- 6d (0.113 in. shank x 0.267 in. HD x 2 in. long)
- Siding nail (0.09" shank x 0.221" HD x 2" long)

Screws - Steel Framing

- Ribbed Bugle-head or equivalent (No. 8-18 x 1-5/8 in. long x 0.323 in. HD) Screws must penetrate 3 threads into metal framing.

Nails - Steel Framing

- ET & F pin or equivalent (0.10 in. shank x 0.25 in. HD x 1-1/2 in. long) Nails must penetrate minimum 1/4 in. into metal framing.

OSB minimum 7/16 in.

- Siding nail (0.09 in. shank x 0.221 in. HD x 1-1/2 in. long)

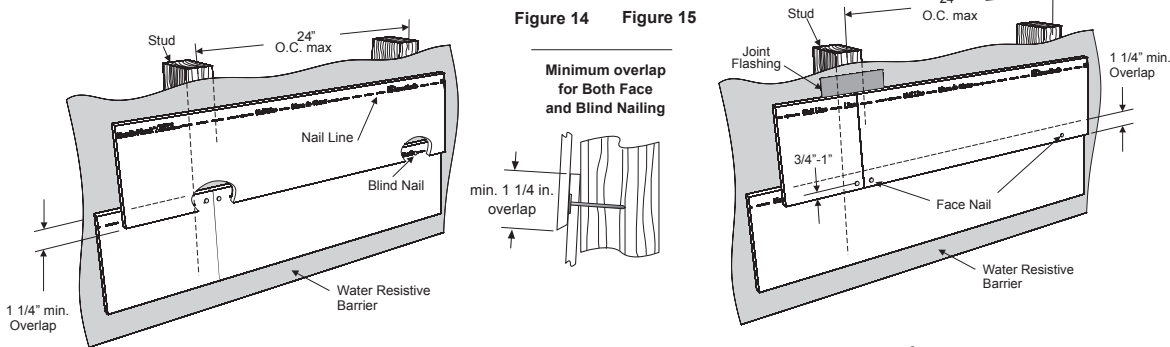
*Also see General Fastening Requirements; and when considering alternative fastening options refer to James Hardie's Technical Bulletin USTB 5 - Fastening Tips for HardiePlank Lap Siding.

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HardiePlank® Lap Siding

FASTENER REQUIREMENTS *continued*



Laminate sheet to be removed immediately after installation of each course for ColorPlus® products.

Pin-backed corners may be done for aesthetic purposes only. Finish nails are recommended for pin-backs. Headed siding nails are allowed. Place pin-backs no closer than 1 in. from plank ends and 3/4 in. from plank edge into min. 3/8 in. wood structural panel. Pin-backs are not a substitute for blind or face nailing.

GENERAL FASTENING REQUIREMENTS

Fasteners must be corrosion resistant, galvanized, or stainless steel. Electro-galvanized are acceptable but may exhibit premature corrosion. James Hardie recommends the use of quality, hot-dipped galvanized nails. James Hardie is not responsible for the corrosion resistance of fasteners. Stainless steel fasteners are recommended when installing James Hardie® products near the ocean, large bodies of water, or in very humid climates.

Manufacturers of ACQ and CA preservative-treated wood recommend spacer materials or other physical barriers to prevent direct contact of ACQ or CA preservative-treated wood and aluminum products. Fasteners used to attach HardieTrim Tabs to preservative-treated wood shall be of hot dipped zinc-coated galvanized steel or stainless steel and in accordance to 2009 IRC R317.3 or 2009 IBC 2304.9.5

- Consult applicable product evaluation or listing for correct fasteners type and placement to achieve specified design wind loads.
- NOTE: Published wind loads may not be applicable to all areas where Local Building Codes have specific jurisdiction. Consult James Hardie Technical Services if you are unsure of applicable compliance documentation.
- Drive fasteners perpendicular to siding and framing.
- Fastener heads should fit snug against siding (no air space).
- NOTE: Whenever a structural member is present, HardiePlank should be fastened with even spacing to the structural member. The tables allowing direct to OSB or plywood should only be used when traditional framing is not available.

CUT EDGE TREATMENT

Caulk, paint or prime all field cut edges. James Hardie touch-up kits are required to touch-up ColorPlus products.

CAULKING

For best results use an Elastomeric Joint Sealant complying with ASTM C920 Grade NS, Class 25 or higher or a Latex Joint Sealant complying with ASTM C834. Caulking/Sealant must be applied in accordance with the caulking/sealant manufacturer's written instructions. Note: some caulking manufacturers do not allow "tooling".

PAINTING

DO NOT use stain, oil/alkyd base paint, or powder coating on James Hardie® products. Factory-primed James Hardie products must be painted within 180 days of installation. 100% acrylic topcoats are recommended. Do not paint when wet. For application rates refer to paint manufacturers specifications. Back-rolling is recommended if the siding is sprayed.

PNEUMATIC FASTENING

James Hardie products can be hand nailed or fastened with a pneumatic tool. Pneumatic fastening is highly recommended. Set air pressure so that the fastener is driven snug with the surface of the siding. A flush mount attachment on the pneumatic tool is recommended. This will help control the depth the nail is driven. If setting the nail depth proves difficult, choose a setting that under drives the nail. (Drive under driven nails snug with a smooth faced hammer - Does not apply for installation to steel framing).



DO NOT	DO NOT	DO NOT USE
 UNDER DRIVE	 OVER DRIVE	 ALUMINUM FASTENERS
 SLANT		 CLIPPED HEAD NAILS
IF, THEN	IF, THEN ADDITIONAL NAIL	 STAPLES
WOOD FRAME HAMMER FLUSH	FACE NAIL COUNTERSINK & FILL	
STEEL FRAME REMOVE & REPLACE		

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HardiePlank® Lap Siding

COLORPLUS® TECHNOLOGY CAULKING, TOUCH-UP & LAMINATE

- Care should be taken when handling and cutting James Hardie ColorPlus® products. During installation use a wet soft cloth or soft brush to gently wipe off any residue or construction dust left on the product, then rinse with a garden hose.
 - Touch up nicks, scrapes and nail heads using the ColorPlus® Technology touch-up applicator. Touch-up should be used sparingly. If large areas require touch-up, replace the damaged area with new HardiePlank® lap siding with ColorPlus® Technology.
 - Laminate sheet must be removed immediately after installation of each course.
 - Terminate non-factory cut edges into trim where possible, and caulk. Color matched caulks are available from your ColorPlus® product dealer.
 - Treat all other non-factory cut edges using the ColorPlus Technology edge coat, available from your ColorPlus product dealer.
- Note:** James Hardie does not warrant the usage of third party touch-up or paints used as touch-up on James Hardie ColorPlus products.

Problems with appearance or performance arising from use of third party touch-up paints or paints used as touch-up that are not James Hardie touch-up will not be covered under the James Hardie ColorPlus Limited Finish Warranty.

COVERAGE CHART/ESTIMATING GUIDE

Number of 12 ft. planks, does not include waste

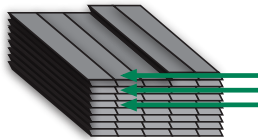
COVERAGE AREA LESS OPENINGS		HARDIEPLANK® LAP SIDING WIDTH										
SQ (1 SQ = 100 sq.ft.)	(exposure)	5 1/4 4	6 1/4 5	7 1/4 6	7 1/2 6 1/4	8 6 3/4	8 1/4 7	9 1/4 8	9 1/2 8 1/4	12 10 3/4		
1		25	20	17	16	15	14	13	13	9		
2		50	40	33	32	30	29	25	25	19		
3		75	60	50	48	44	43	38	38	28		
4		100	80	67	64	59	57	50	50	37		
5		125	100	83	80	74	71	63	63	47		
6		150	120	100	96	89	86	75	75	56		
7		175	140	117	112	104	100	88	88	65		
8		200	160	133	128	119	114	100	100	74		
9		225	180	150	144	133	129	113	113	84		
10		250	200	167	160	148	143	125	125	93		
11		275	220	183	176	163	157	138	138	102		
12		300	240	200	192	178	171	150	150	112		
13		325	260	217	208	193	186	163	163	121		
14		350	280	233	224	207	200	175	175	130		
15		375	300	250	240	222	214	188	188	140		
16		400	320	267	256	237	229	200	200	149		
17		425	340	283	272	252	243	213	213	158		
18		450	360	300	288	267	257	225	225	167		
19		475	380	317	304	281	271	238	238	177		
20		500	400	333	320	296	286	250	250	186		

This coverage chart is meant as a guide. Actual usage is subject to variables such as building design. James Hardie does not assume responsibility for over or under ordering of product.

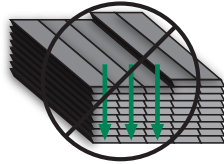
ADDITIONAL HANDLING REQUIREMENTS

IMPORTANT: To prevent damage to the drip edge, extra care should be taken when removing planks from the pallet, while handling, and when installing with a lap gauge. Planks are interlocked together on the pallet, therefore they should be removed from the pallet horizontally (side to side) to allow planks to unlock themselves from one another.

Pull from across the stack



Do not go down the stack



HS11117 P4/4 09/19

SILICA WARNING

DANGER: May cause cancer if dust from product is inhaled. Causes damage to lungs and respiratory system through prolonged or repeated inhalation of dust from product. Refer to the current product Safety Data Sheet before use.

The hazard associated with fiber cement arises from crystalline silica present in the dust generated by activities such as cutting, machining, drilling, routing, sawing, crushing, or otherwise abrading fiber cement, and when cleaning up, disposing of or moving the dust. When doing any of these activities in a manner that generates dust you must (1) comply with the OSHA standard for silica dust and/or other applicable law, (2) follow James Hardie cutting instructions to reduce or limit the release of dust; (3) warn others in the area to avoid breathing the dust; (4) when using mechanical saw or high speed cutting tools, work outdoors and use dust collection equipment; and (5) if no other dust controls are available, wear a dust mask or respirator that meets NIOSH requirements (e.g. N-95 dust mask). During clean-up, use a well maintained vacuum and filter appropriate for capturing fine (respirable) dust or use wet clean-up methods - never dry sweep.

WARNING: This product can expose you to chemicals including respirable crystalline silica, which is known to the State of California to cause cancer. For more information go to P65Warnings.ca.gov.

RECOGNITION: In accordance with ICC-ES Evaluation Report ESR-2290, HardiePlank® lap siding is recognized as a suitable alternate to that specified in the 2006, 2009, 2012 & 2015 International Residential Code for One and Two-Family Dwellings, and the 2006, 2009, 2012 & 2015 International Building Code. HardiePlank lap siding is also recognized for application in the following: City of Los Angeles Research Report No. 24862, State of Florida Product Approval FL#13192, Miami-Dade County Florida NOA No. 17-0406.06, U.S. Dept. of HUD Materials Release 1263f, Texas Department of Insurance Product Evaluation EC-23, City of New York MEA 223-93-M, and California DSA PA-019. These documents should also be consulted for additional information concerning the suitability of this product for specific applications.

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Product warranties, safety information and additional installation information are available at jameshardiepros.com





Morati Series Post Top Light

Page 1 of 4



Morati Series Post Top Light is a high-tech twist on an everyday fixture. Type V optics (Type III optional) produce a round distribution which is perfect for parking lots and pathways. Cutting edge LED technology provides maintenance-free operation combined with significant reduction in energy consumption. Add all that to a standard tenon top pole and you've got a simple and effective lighting solution.



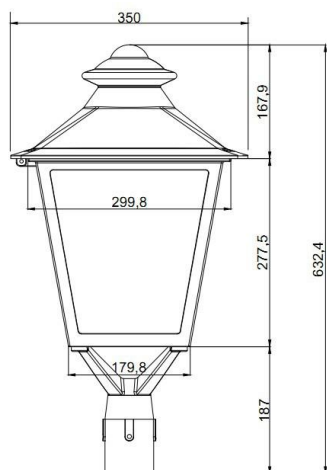
QUALIFICATIONS

- **ETL Listed:4009701**
Suitable for Wet Locations
- **IESNA LM79 & LM-80 Testing**
LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80
- **DLC Qualification:**

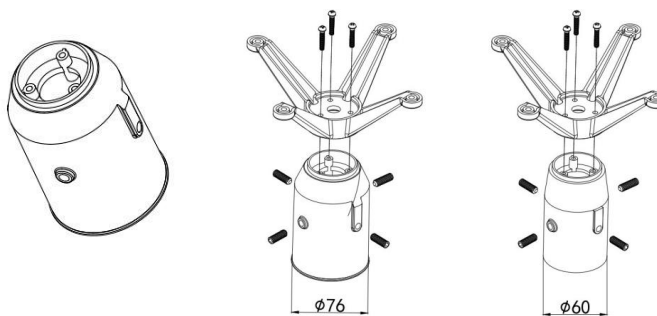
APPLICATION

With IES classification Type V (Type III optional), this led area light distributes light in a wide and uniform 360° pattern that is perfect for large outdoor areas such as parking lots, corporate parks, and retail settings.

DIMENSIONS



3inch and 2 3/8 inch Mount Base Interchangeable





Morati Series Post Top Light

Page 2 of 4

CONSTRUCTION

➤ **IP Rating:**

Ingress Protection rating of IP65 for dust and water

➤ **Ambient Temperature:**

Suitable for up to 122° F (50° C) ambient temperature

➤ **Cold Weather Starting:**

The minimum starting temperature is -4°F /-20°C

➤ **Housing:**

Bronze or Black Aluminum

➤ **Mounting Methods:**

2" to pole top mount

➤ **Green Technology:**

Mercury and UV free, and RoHS compliant. Polyester powder coat finish formulated without the use of VOC or toxic heavy metals.

➤ **Gaskets:**

Silicon Gaskets

➤ **Lens:**

Frosted or transparent GLASS lens optional.

Light shield, Bird cone and ladder rest are NOT included as a standard structure. Please contact a sale representative to get a quote.

Our environmentally friendly polyester powder coating is formulated from high-durability and long-lasting color, and contains no VOC or toxic heavy metals.

LED CHARACTERISTICS

➤ **LEDs:**

Multi-chip, high-output, long-life LEDs Color

➤ **Stability:**

LED color temperature is warrantied to shift no more than 200K in CCT over a 5-year period.

➤ **Color Temp:**

3000K (Warm white), 4000K (Natural white), 5000K (Daylight)

➤ **Uniformity:**

Range of CCT follows the guidelines of the American National Standards for the Specifications for the Chromaticity of Solid-State Lighting (SSL) Products, ANSI C78.377.2011

➤ **Color Rendering Index:**

>70



Morati Series Post Top Light

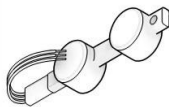
ELECTRIAL

- **Drivers:**
100-277V, 50-60Hz,
- **Power Factor > 0.9**
- **THD<15%**
- **NEMA Receptacle:**
3-prong twist lock receptacle with short-cap optional; compatible with 3-pring Photocell Sensors. 7-prong twist lock receptacle with short-cap optional; compatible with 7-pring Photocell Sensors.

Model	Input	Wattage	Color Temperature	Lumens	G.W	Carton size
YR-TP350-W120-MTCP	120-277Vac	40W-60W-80W-100W-120W tunable	30K-40K-50K tunable	max 13200lm	23.5 LBS	16in*16in*20in

ACCESSORIES

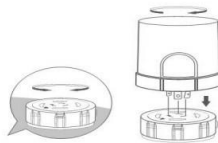
Surge Protector (Optional)



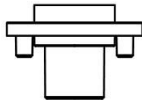
The SPD prevents downtime, improves reliability, and eliminates possible damage to luminaires. This the surge protector option for the luminaire has the maximum discharge current of 10,000A, and nominal discharge current of 3,000 A.

Photocell Assembly (Optional)

It is a Standard Three-Prong Twist Lock Photocell which is installed on the top of the Fixtures. Once the photocell is installed, the area light will automatically turn on and off, dusk to dawn.



Microwave Motion Sensor (Optional)



This motion sensor allows extra energy savings without compromising convenience. With its signature 3-step dimming function, it is perfect for use in areas notice before optionally switching off the light. Daylight (on/off) sensor is integrated for maximum energy saving.

max 13200lm

Hold Time adjustable:
5s / 1min / 5min / 10min / 15min / 20min / 30min / 1h

Stand-by period adjustable:
1min / 30min / 1h / infinity

Daylight (ambient light threshold) adjustable:
10lux / 30lux / 50lux / 100lux / 150lux / 200lux / 300lux / **Disable**

Stand-by dimming level adjustable:
0% / 20% / 30% / 50%



Morati Series Post Top Light

Page 4 of 4

Notice for users

- The input voltage and lamps should be matched, after connecting the power line, Please make sure the wiring section is insulated.
- Do not look directly at the lamp when it is working. It should be used when no one is around.
- In order to ensure the bactericidal effect, please clean up the dust and stains on the luminous surface in time.
- No-professionals, must not install and disassemble the lamps.

Troubleshooting

Issue	Check points
Light Flickers	Check all wiring for disconnections, shorts and burnt wiring and connections. Confirm steady input voltage to the light fixture, fluctuating input voltage will harm the LED driver and can lead to premature failure. Lights with photocells can have photocell tag from ambient light or light reflecting back at the sensor. Simply cover the photocell completely and see if flickering continues while the photocell is covered. Call Tech Support for help if none of the above solves the issue.
Light does not work at all.	Check all wiring for disconnections, shorts and burnt wiring and connections. Confirm steady input voltage to the light fixture, fluctuating input voltage will harm the LED driver and can lead to premature failure. If input voltage is not in the voltage range of the fixture, you will need to find the source of your input voltage issue. Call Tech Support for help if none of the above solves the issue.

For more technical information, install questions, troubleshooting help or warranty claims, we have a dedicated US Tech and Customer Support Team to help solve any issues you have and can be reached by email or phone. If you need help with any of our products, we are here for you so that you are never in the dark!



Stone Master® Grey-Mix Roma Manufactured Stone Veneer Siding (5.5 sq. ft.)

Model Number: 1446790 | Menards® SKU: 1446790



SALE PRICE 11% REBATE*	\$22.46 \$2.47	PRICE 11% REBATE*	\$30.99 \$3.41	SALE PRICE 11% REBATE*	\$22.46 \$2.47	PRICE 11% REBATE*	\$30.99 \$3.41
PRICE AFTER REBATE*	\$19.99 /pkg	PRICE AFTER REBATE*	\$27.58 /pkg	PRICE AFTER REBATE*	\$19.99 /pkg	PRICE AFTER REBATE*	\$27.58 /pkg
✓ Delivery		✓ Delivery		✓ Delivery		✓ Delivery	
✓ 19 In-Stock at LONG GROVE ①		✓ 6 In-Stock at LONG GROVE ①		✓ 15 In-Stock at LONG GROVE ①		✓ 8 In-Stock at LONG GROVE ①	

Compare Specifications

Popular Links

[Stone Master® Earth Brown Roma Manufactured Stone Veneer Siding \(5.5 sq. ft.\)](#) • [Stone Master® Graphite Roma Manufactured Stone Veneer Siding \(5.5 sq. ft.\)](#) • [Stone Master® Carmel Roma Manufactured Stone Veneer Siding \(5.5 sq. ft.\)](#) • [Stone Master® Graphite Retro Brick Manufactured Stone Veneer Siding \(4.09 sq. ft.\)](#) • [Stone Master® Sahara Retro Brick Manufactured Stone Veneer Siding \(4.09 sq. ft.\)](#) • [Stone Master® Beige Madagascar Manufactured Stone Veneer Siding \(5.49 sq. ft.\)](#) • [Stone Master® Sahara Santiago Manufactured Stone Veneer Siding \(5.49 sq. ft.\)](#) • [Stone Master® Brown Santiago Manufactured Stone Veneer Siding \(5.49 sq. ft.\)](#) • [Stone Master® Graphite Barcelonetta Manufactured Stone Veneer Siding \(4.41 sq. ft.\)](#)

***Please Note:** The 11% Rebate* is a mail-in-rebate in the form of merchandise credit check from Menards, valid on future in-store purchases only. The merchandise credit check is not valid towards purchases made on MENARDS.COM®. "Price After Rebate" is the Price or Sale Price, minus the savings you can receive from an 11% Mail-in Rebate* in the form of an in-store merchandise credit check. The 11% Rebate* is not a point-of-sale discount on any item purchased. Participating customers must mail their rebate receipt and completed rebate redemption form to the address on the redemption form to receive their merchandise credit check. See redemption form for details. Limited to stock on hand. No sorry slips. First come, first served. Future sale price adjustments, exchanges and merchandise returns will void the 11% rebate on the items adjusted, exchanged and/or returned. Rebate is valid on special ordered products but does not extend to the special ordering of any normally stocked items. Not good with any other coupons or offers except Menards® coupons. Menards rebates and manufacturers' coupons. Multiple receipts may accompany one rebate certificate. Menards reserves the right to limit purchases of any and all items to reasonable job lot quantities. Excludes event tickets, gift cards, propane purchases, delivery and handling charges, all rental items, KeyMe®, re-keying services, processing fees, packaging charges and extended service agreements. By submitting any rebate form, you agree to resolve any disputes related to rebate redemption by binding arbitration and you waive any right to file or participate in a class action. Terms and conditions available at www.rebatecenteronline.com.



At the Heart of Community

OFFICE OF THE VILLAGE MANAGER

70 East Main Street
Lake Zurich, Illinois 60047

(847) 438-5141
LakeZurich.org

Date: December 30, 2024
To: Ray Keller, Village Manager *PK*
From: Michael Duebner, Assistant Village Manager
Subject: June Terrace Mixed-Use Development

AGENDA ITEM

7b

Issue: MJK Real Estate Holding Company, LLC (MJK Real Estate) and Continental Properties Company, Inc (Continental) are proposing a mixed-use development on the 20-acre site at 755 S. Rand Road commonly referred to as the Regal property. Representatives from both firms are offering concept plans for Village Board comment as a non-voting item.

Analysis: MJK and Continental are teaming up to develop the approximately 20-acre Regal site as part of a planned unit development for the combined use of multi-family residential and a 4,000 square foot quick serve restaurant with indoor and outdoor seating.

The proposed multifamily community will comprise 282 dwelling units, ranging in size from studio apartments to three-bedroom units. The site will feature a clubhouse equipped with a 24-hour fitness center, a resident lounge, and a leasing office. Resident amenities include swimming pool, pet park, 24-hour maintenance and a dedicated on-site team.

The commercial component will attract a nationally recognized fast-food establishment with an anticipated sales volume of \$5M and 5-full time positions for on-site management staff.

The team has contracted the services of traffic engineering firm KLOA to ensure that the development incorporates adequate means of entering and exiting the site. Adequate circulation is also considered for both residential and commercial components.

Recommendation: This is a non-voting item. The developers and staff are seeking feedback on the proposed development concept for this site.

Attachment: Proposed Development



December 31, 2024

Sarosh Saher
Community Development Director
Village of Lake Zurich
505 Tesler Road
Lake Zurich, IL 60047

Re: Continental 904 Fund LLC-
Proposed June Terrace Mixed-Use Development Courtesy Review

Mr. Saher:

For your review and comments, enclosed you will find our Courtesy Review Submittal for the proposed future entitlement for a mixed-use development comprised of a 282-home multi-family residential community and retail outlot within the Village of Lake Zurich. The enclosed material may be found within:

- Written Project Narrative
- Exhibit A- Context Map
- Exhibit B- Concept Site Plan
- Exhibit C- Building Elevations, Floor Plans & Imagery
- Exhibit D- Resident Spending Analysis
- Exhibit E – Continental Resident Demographics
- Exhibit F – MJK Development Experience and Photo Tour
- Exhibit G – Continental Development Experience and Photo Tour

Thank you for your consideration and prompt review of this submittal. We look forward to meeting with you to present our proposed project at the next scheduled Village Board Courtesy Review meeting on January 6th. I can be reached at jpatton@cproperties.com. If you have any questions, please feel free to reach out via email.

Sincerely,
CONTINENTAL PROPERTIES COMPANY, INC.

A handwritten signature in black ink, appearing to read "J. Patton", with a horizontal line extending to the right.

Jennifer Patton | Development Director



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CONTINENTAL’S DEVELOPMENT EXPERIENCE 3

PROPOSED DEVELOPMENT OVERVIEW 3

COMMUNITY BENEFITS 5

CONCLUSION 5

Enclosures

- Exhibit A – Context Map
- Exhibit B – Concept Site Plan
- Exhibit C – Proposed Building Elevations, Floor Plans, and Community Precedent Imagery
- Exhibit D – Resident Spending Analysis
- Exhibit E – Continental Resident Demographics
- Exhibit F – MJK Development Experience and Photo Tour
- Exhibit G – Continental Development Experience and Photo Tour



MJK REAL ESTATE'S DEVELOPMENT EXPERIENCE

MJK Real Estate Holding Company, LLC ("MJK") is a family-owned, third-generation real estate development company based in Deerfield, Illinois, with no outside investors. For more than 28 years, MJK has been a local leader in retail and restaurant development in the Chicago suburbs, working with national and regional tenants across the Midwest. The overall MJK strategic business plan is based on a core premise to develop long-term investments with nationally recognized tenants, as evidenced by its existing portfolio of built assets throughout the metropolitan area. To date, MJK has developed over 35 developments comprised of over 250,000 square feet of retail space. MJK is nearing completion of the 7 Brew Coffee located at 880 S. Rand Road in the Village, with an expected opening date of January 20, 2025.

CONTINENTAL'S DEVELOPMENT EXPERIENCE

Continental Properties Company, Inc. ("Continental") is a privately held real estate development company based in Menomonee Falls, Wisconsin. Founded in 1979, Continental has become a leading developer, owner, and operator of multifamily communities, retail centers, and hospitality accommodations across the United States. To date, Continental has developed over 35,800 homes, across 131 communities in 20 different states. Chicagoland represents the depth and breadth of our development experience, with 3,129 apartment homes constructed across 11 communities since 2012. Continental's development success is attributed to its vertically integrated team focused on exceptional market research, product design & development, construction oversight, property management, customer experience, and portfolio management.

PROPOSED DEVELOPMENT OVERVIEW

The combined MJK and Continental team are pleased to present to the Village of Lake Zurich a Courtesy Review package for a proposed mixed-use development comprised of a national Quick Service Restaurant ("QSR") retail use alongside a 282-home market-rate multifamily community, on approximately 20 acres at 755 S. Rand Road within the Village of Lake Zurich on Rand Road.

The development will replace the aging theater facility with a best-in-class retail and multifamily development that supports the Village's current commercial and residential needs by expanding retail choices and variety while adding a diverse and unique housing type. Building architecture, landscaping, and the development's overall design will be consistent with the quality and aesthetic of the Rand Road corridor and the surrounding community. The mixed-use development will add substantial value to the Village of Lake Zurich by replacing an aging, under-utilized theater, with the addition of a desirable national restaurant chain expected to bring over \$5MM in annual sales, alongside a walkable, high-end rental residential community to reinvigorate this section of the Rand Road corridor.

The subject property falls within the B-3 commercial zoning district. The overall development project will require a partial rezone to R-6 multifamily and PUD to accommodate the combined uses. The proposed multifamily community fits well within the context of the surrounding area; a context map and concept site plan of the proposed multifamily development can be found in *Exhibit A* and *Exhibit B* respectively. The size and location of the subject site are suitable for mixed-use development and provide appropriate transitional land use to the commercial activity located along Rand Road and the single-family residential situated to the south.

Continental & MJK (the "Team") have engaged the services of traffic engineering firm KLOA, Inc. to ensure that the proposed development design includes adequate ingress and egress to accommodate traffic generated by the



proposed development and to provide appropriate traffic accommodations for neighboring uses. The Team has retained Cage Engineering, Inc. as its design engineer, focusing on stormwater, grading, and utilities.

QSR RETAIL DEVELOPMENT CHARACTERISTICS

The proposed QSR Retail development will feature a +/- 4,000 square foot building with indoor and outdoor seating, dual drive-thrus, excellent visibility, and Rand Road access circulating from the existing June Terrace access drive currently serving the theater and adjacent self-storage uses. The anticipated QSR user is anticipated to serve sandwiches, hamburgers, and salads in a fast-casual setting with space for walk-in customers and for prearranged private events. The business terms of the QSR use will be based on a 15-year lease agreement with MJK serving as landlord and obligate property manager.

MULTIFAMILY DEVELOPMENT CHARACTERISTICS

The proposed multifamily community will feature 282 dwelling units across eight (8) three-story, 35' high residential buildings. Residents have a choice between attached garages, detached garages, and surface parking to best fit their needs. There will be a variety of home types including 22 studio homes, 118 one-bedroom, 118 two-bedroom, and 24 three-bedroom homes.

Type	#	%
Studio	22	8
1-Bedroom	118	42
2-Bedroom	118	42
3-Bedroom	24	8

Additionally, the multifamily community will include a community clubhouse, mail kiosk, and community maintenance building. The community clubhouse and leasing center includes employee offices for Continental's management team, a resident lounge, and 24-hour fitness center. Special attention has been paid to the site layout, allowing proper vehicular and pedestrian circulation and ease of maintenance for the multiple amenities proposed for future residents.

Continental Properties apartment communities are privately owned and operated by Continental and offer luxurious and spacious apartment homes in convenient locations with premium amenities and exceptional customer service. Continental's commitment to residents and to investors ensures that the onsite property maintenance is first-class for a long-term hold of the asset.

Residents will have access to high-end community amenities, including a resort-style swimming pool, state-of-the-art fitness center, leash-free pet park, 24-hour maintenance response, and dedicated on-site team. Continental apartment communities prioritize resident satisfaction and commit to being an integral part of the surrounding community. Preliminary building elevations, floorplans, and existing community precedent imagery from comparable developments can be found in *Exhibit C*.

COMMUNITY FEATURES

- 3-Story Garden-Style Community
- Resident Clubhouse with 24-Hour Fitness Center
- Resort-Style Swimming Pool
- Community-Focused Gathering Spaces
- Studio, 1-3 Bedroom Homes
- On-Site Pet Playground and Pet Spa Area
- Outdoor Barbecue Areas & Pergolas

IN-HOME FEATURES

- Bright, Open Concept Floor Plans
- Stylish Interiors with High Ceilings, Large Windows, and Designer Touches
- Spacious Kitchen Islands with Granite Countertops
- Ample Storage
- Energy Efficient Appliances
- Hardwood-Style Flooring

12/31/2024

MJK Real Estate



- On-Site Car Care Center
- 'Above and Beyond' Resident Services with a 5-Star Standard
- Private Entry in Select Homes
- Private Balcony and Patios in Select Homes
- Attached and Detached Garage Options

MIXED-USE DEVELOPMENT BENEFITS

The proposed development will provide the following benefits to the surrounding community:

- Retail Sales: The team anticipates this development will attract and retain a nationally recognized fast food restaurant chain, with an anticipated annual sales volume of approximately \$5MM.
- Increased Housing Options: The multifamily development will expand housing options for both young professionals and empty nesters within the community; catering to a range of residents' needs and preferences. This expansion aims to meet the demand for diverse housing choices within the Village of Lake Zurich.
- Job Opportunities: The construction and development of the new community will provide employment opportunities for local consultants and contractors. Additionally, the new community will create approximately five full-time positions for on-site management staff.
- Economic Growth: The addition of new multifamily housing and the subsequent influx of residents will contribute to economic growth within the Village. The projected resident spending data included in *Exhibit D* supports this notion, indicating increased economic activity by placing a higher demand on local goods and services.

CONCLUSION

The proposed development offers a carefully planned and thoughtfully designed residential community and retail outlet. With a variety of housing options and amenities, this development aims to meet the diverse needs of Village residents, while contributing to the economic growth of the surrounding area.

We genuinely look forward to working with the Village of Lake Zurich and respectfully request your consideration for this proposal and the potential for our significant private investment and long-term partnership with the Village.

If you have any questions in the interim ahead of the review and presentation, please feel free to reach us via email at jpatton@cproperties.com.

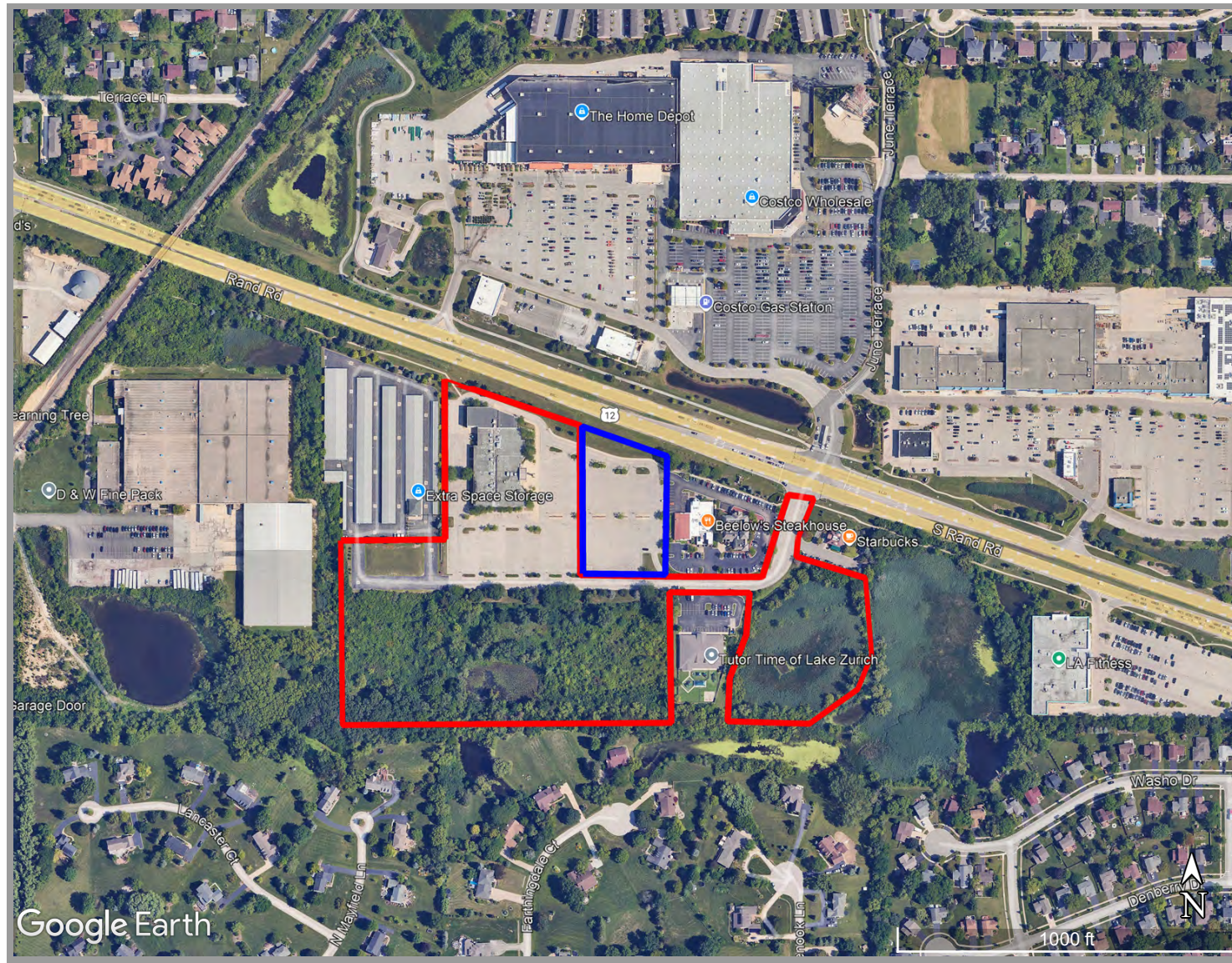
Thank you,

Jennifer Patton | Development Director
Continental 904 Fund LLC
By: Continental Properties Company Inc, its manager.

Richard Silverman
MJK Real Estate Holding Company, LLC

12/31/2024

5





JUNE TERRACE MIXED USE DEVELOPMENT- LAKE ZURICH, IL

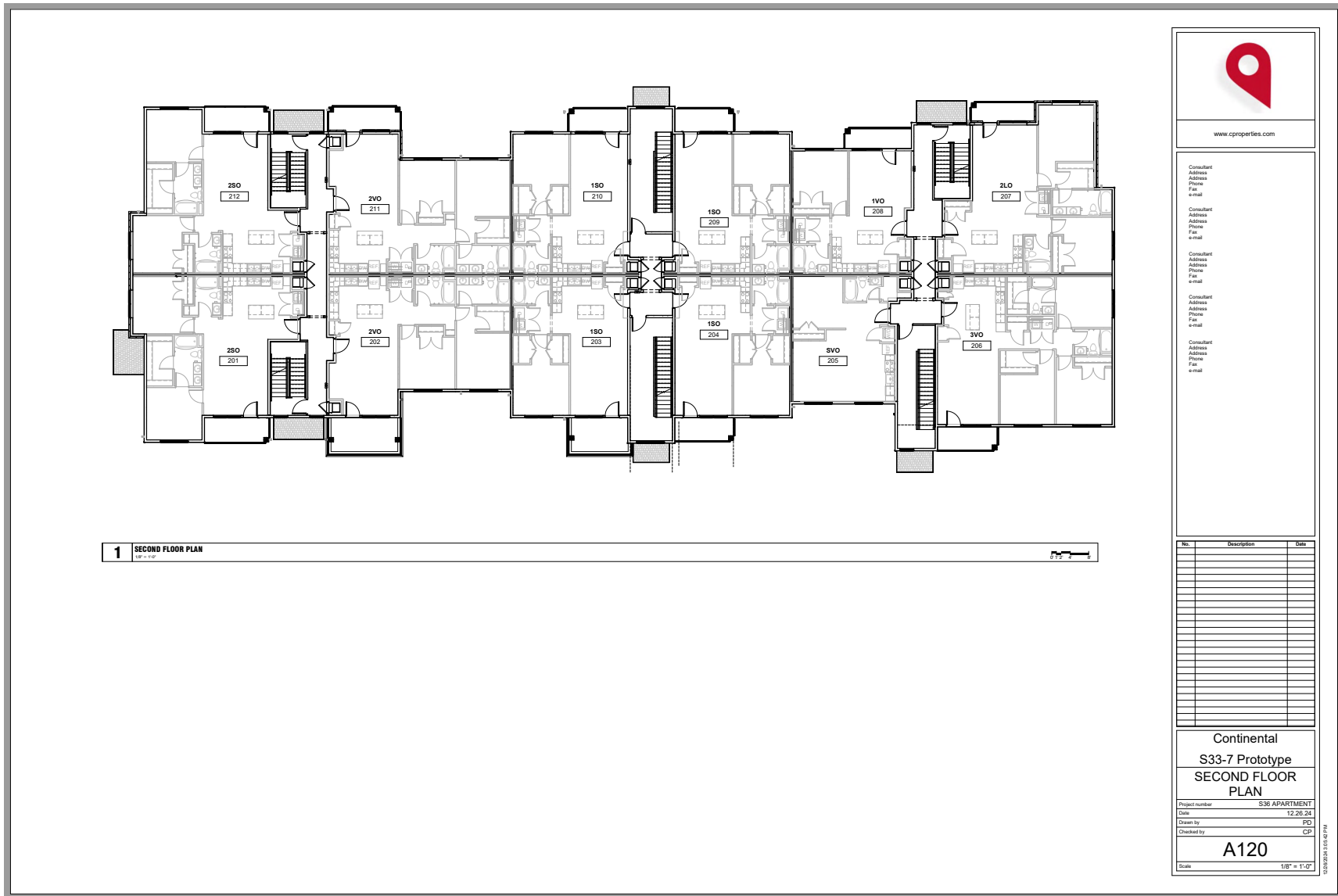






Continental
S33-7 Prototype
FIRST FLOOR PLAN

Project number	S36 APARTMENT
Date	12.26.20
Drawn by	PI
Checked by	CI
A110	
Scale	1/8" = 1'-0"





Continental
S33-7 Prototype
THIRD FLOOR PLAN

Project number	330 APARTMEN
Date	12.26.2

Drawn by	PR
Checked by	C

Checked by C
A 100

A130

Scale $1/8" = 1'-0"$



Consultant	Consultant
Address	Address
Address	Address
Phone	Phone
Fax	Fax
e-mail	e-mail

Consultant	
Address	
Address	
Phone	
Fax	
e-mail	

Consultant	
Address	
Address	
Phone	
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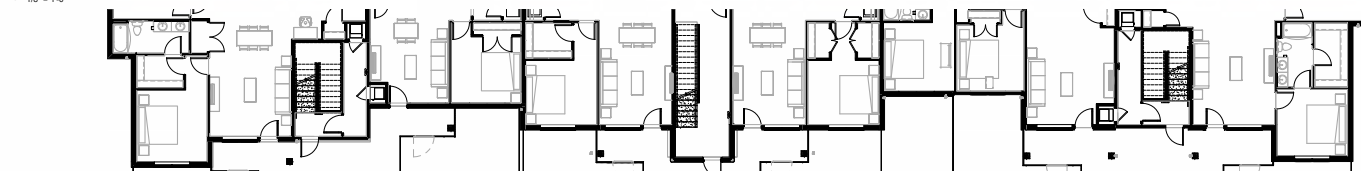
Consultant	
Address	
Address	
Phone	
Fax	
e-mail	

[illegible]

Continental
S33-7 Prototype
ELEVATIONS #2

Project number	S36 APARTMENT
Date	12.26.24
Drawn by	PD
Checked by	CP
A201	
Scale	1/8" = 1'-0"

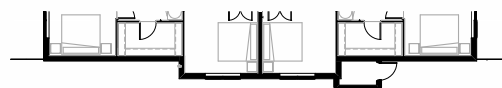
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② REAR ELEVATION PRESENTATION
1/8" = 1'-0"



③ Left Elevation
 $1/8" = 1'-0"$



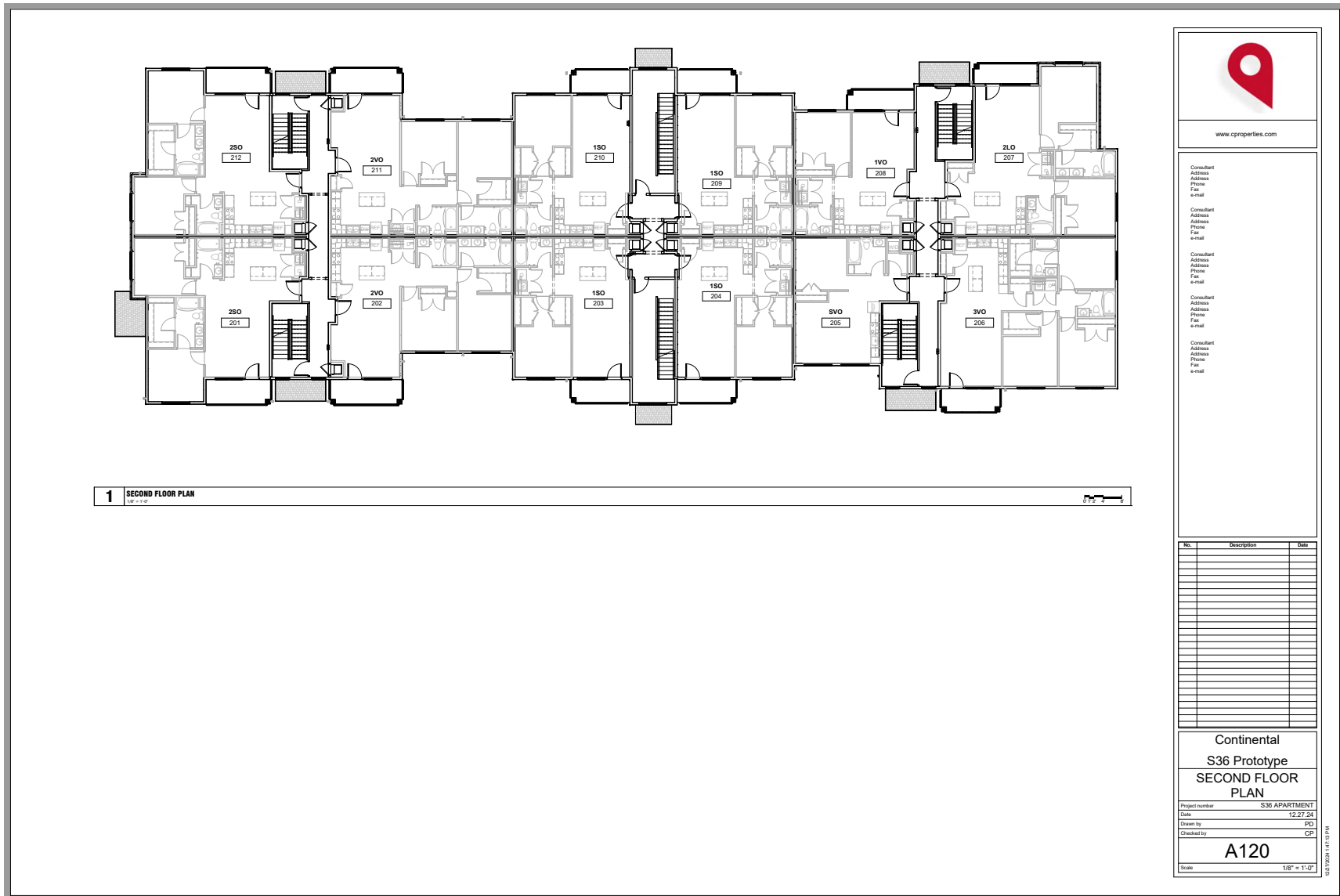
④ LEFT ELEVATION PRESENTATION
1/8" = 1'-0"







Continental	
S36 Prototype	
FIRST FLOOR PLAN - LEFT	
Project number	S36 APARTMENT
Date	12.27.2
Drawn by	PI
Checked by	C
A110	
Scale	1/8" = 1'-0"



 $\frac{1}{R} = \frac{1}{R_1} + \frac{1}{R_2}$

Group	C1	C2	C3	C4
Control	95	95	95	95
MCI	85	80	75	65
AD	75	70	65	55

[illegible]

Continental
S36 Prototype
THIRD FLOOR PLAN

Project number	S36 APARTMENT
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Project Number	SSO APARTMENT
Date	12.27.24

Drawn by	PD
----------	----

Checked by	CP

A130

Scale	1/8" = 1'-0"
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[illegible]

Continental S36 Prototype EXTERIOR ELEVATIONS

ELEVATIONS	
Project number	S36 APARTMENT
Date	12.27.24
Drawn by	PD
Checked by	CP
A200	
Scale	1/8" = 1'-0"

2024/07/24 14:47:29 PM



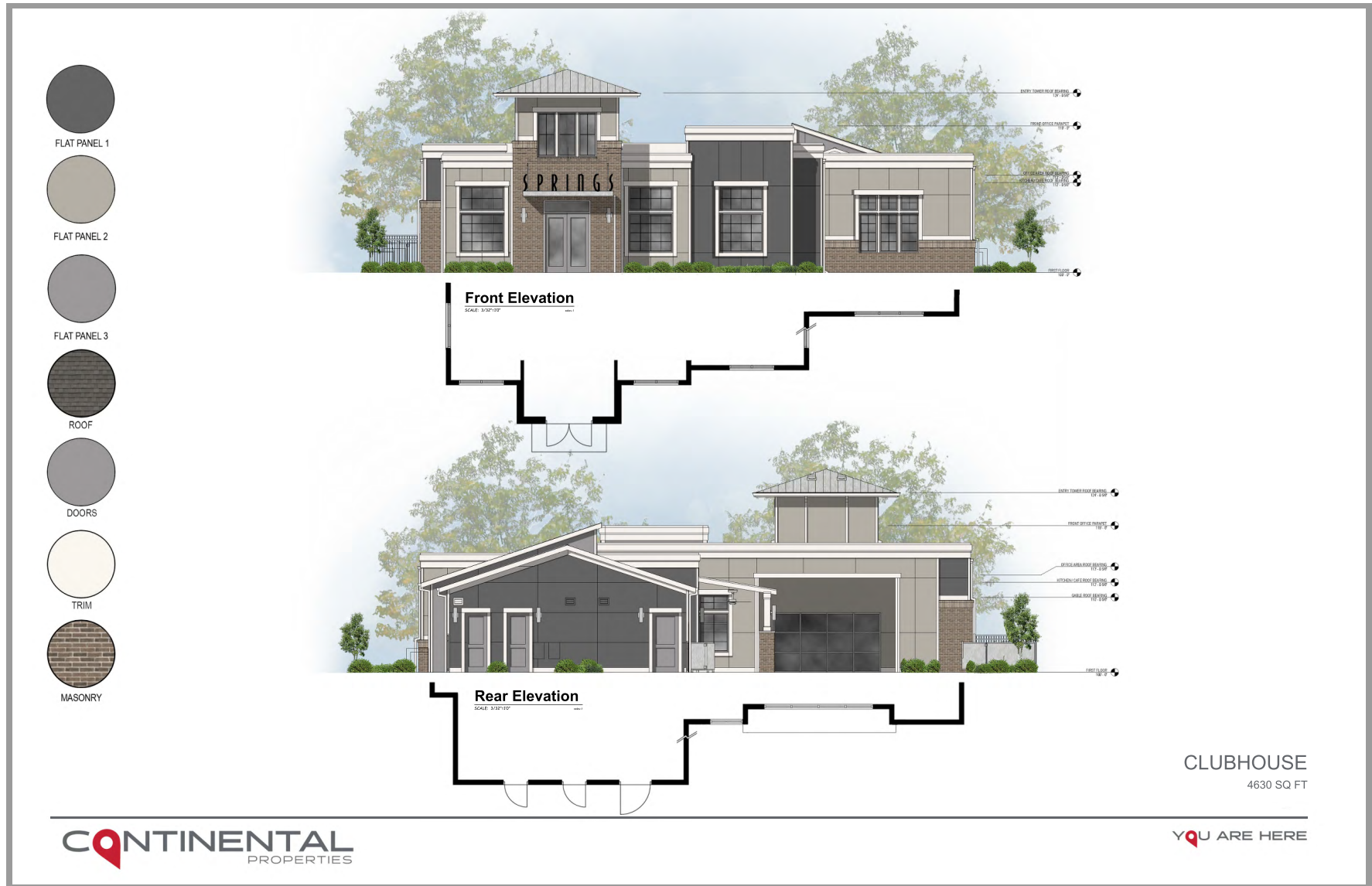


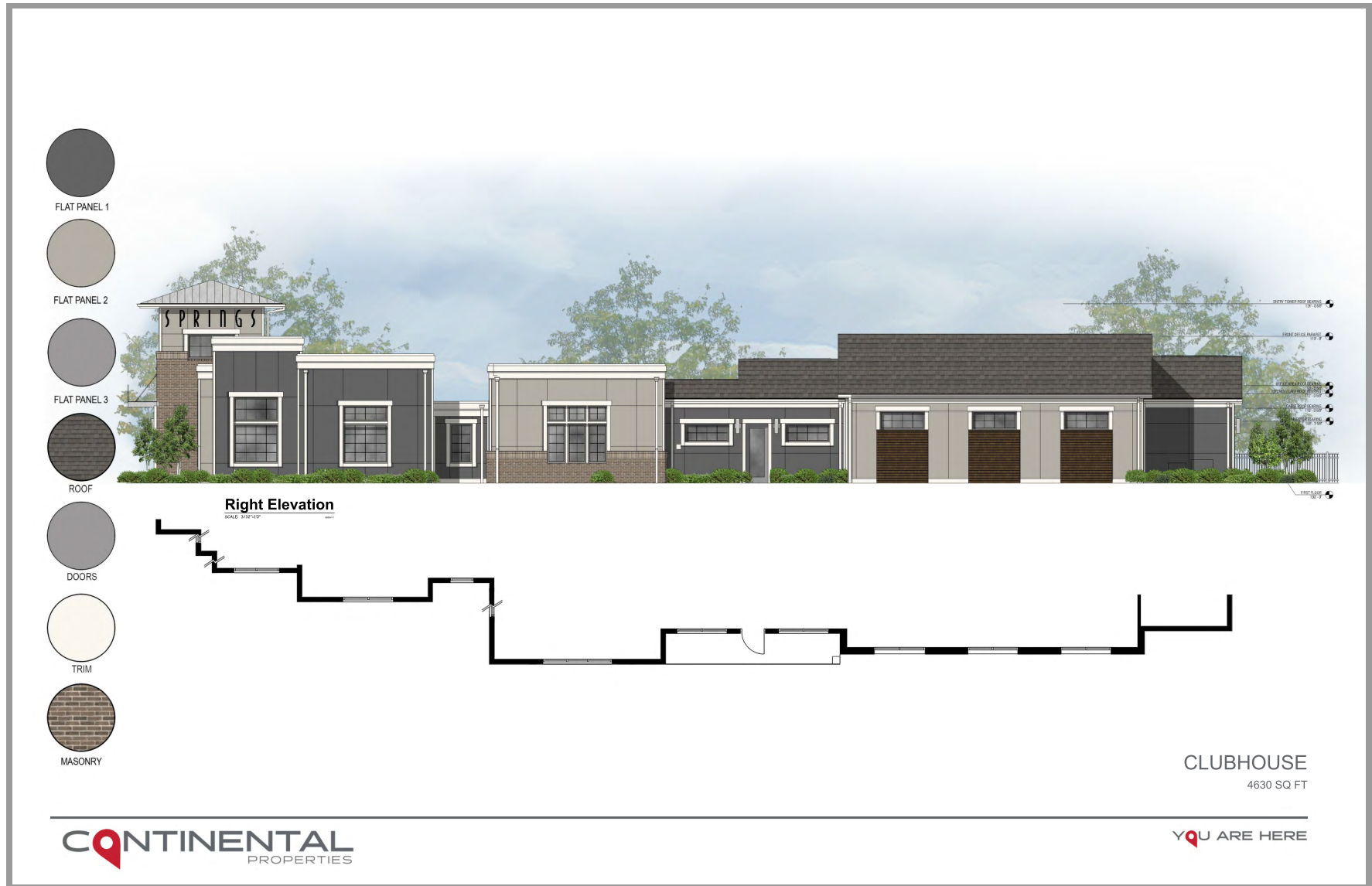
Continental
S36 Prototype
EXTERIOR
ELEVATIONS

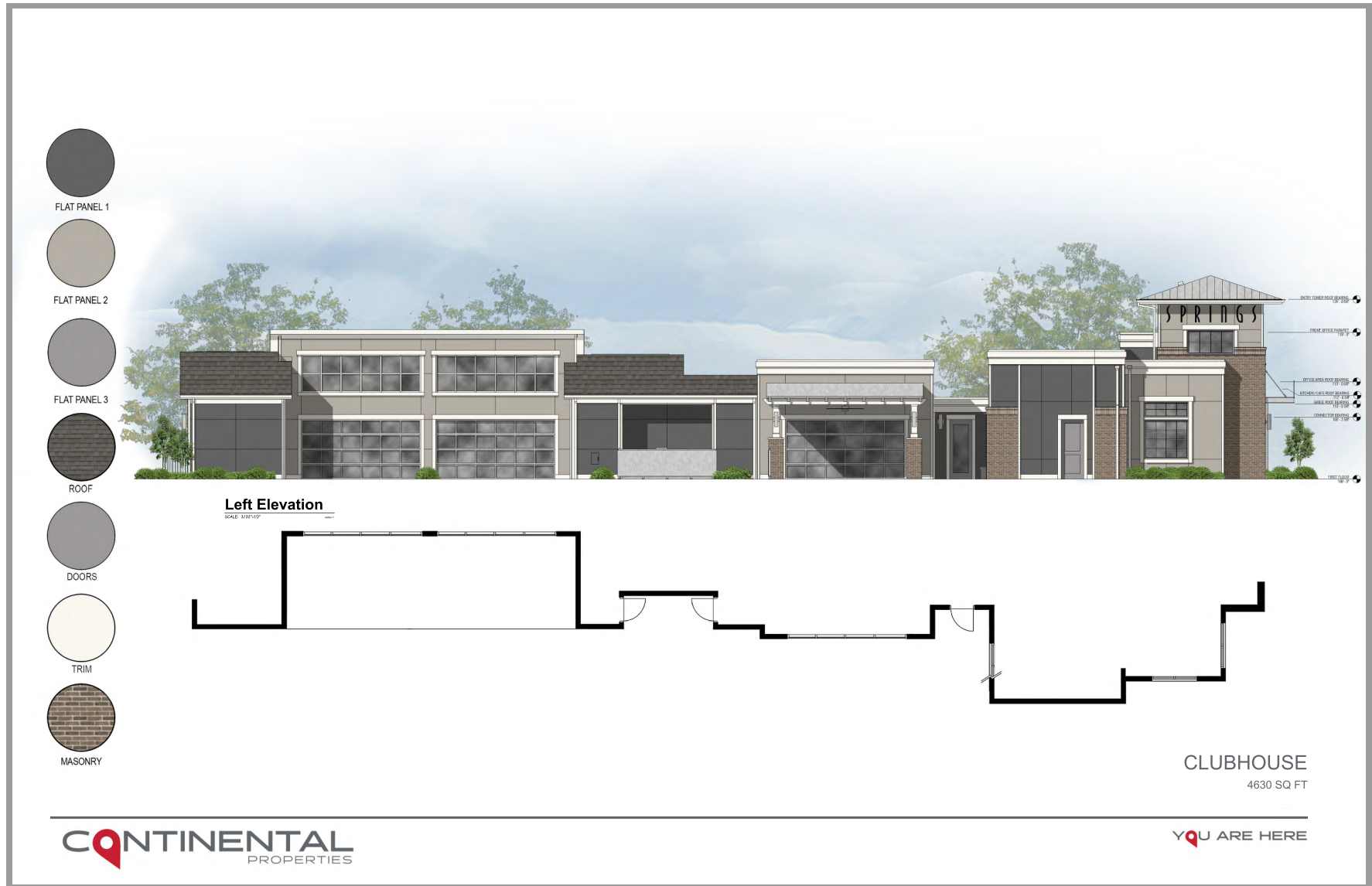
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Date	12.27.24
Drawn by	PD
Checked by	CP
A201	
Scale	1/8" = 1'-0"











Estimated Annual Spending by Residents

Unbranded Lake Zurich (Lake Zurich, IL)

Lake County, IL

December 26, 2024

		Avg. Annual Expenditure
Apparel and Services	\$	3,171
Computer	\$	413
Entertainment & Recreation	\$	5,451
Financial	\$	4,781
Food	\$	15,668
Health	\$	939
Home	\$	34,621
Household Furnishings and Equipment	\$	2,755
Household Operations	\$	3,057
Insurance	\$	12,747
Transportation	\$	10,320
Travel	\$	3,338
Total Average Annual Expenditures per Household	\$	97,262

LESS "Homeowner Expenses"		
Mortgage Payment and Basics	\$	19,073
Maintenance and Remodeling Services	\$	6,558
Maintenance and Remodeling Materials	\$	1,204
Lawn and Garden	\$	948
Subtotal	\$	27,783

**Subtotal - Annual Expenditures per Renter Household
Excluding Rent** **\$ 69,479**

Average Monthly Rent	\$	2,329
Average Annual Rent	\$	27,948
Total Annual Expenditures per Renter Household	\$	97,427

Total Apartment Homes 264
Total Households (95% occupancy) **251**
Total Residents (avg. household size of 1.9) **477**

Total Annual Expenditures	\$	24,400,000
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Source: Continental Properties analysis, ESRI 2024 "Retail Goods and Services Expenditures" report

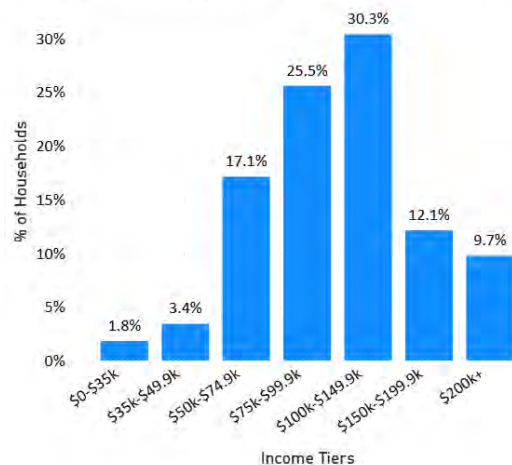
Exhibit E

Continental Resident Demographics

RESIDENT INCOMES:

Community Name	Median Household Income	Avg Household Income	Per capita Income	Total Household Income	Total Households
Avanterra Wolf's Crossing	\$142,770	174,498.14	\$68,480.38	\$23,731,747	135
Springs At St Charles	\$112,106	140,562.24	\$77,884.09	\$29,518,070	210
Springs At Lily Cache Creek	\$108,000	123,845.44	\$68,591.32	\$35,791,331	288
Springs At Three Oaks	\$108,000	124,076.29	\$71,848.83	\$31,019,073	249
Springs At South Elgin	\$105,000	123,039.30	\$68,160.26	\$33,712,768	272
Springs At Oswego	\$97,000	114,494.02	\$62,629.21	\$29,424,963	256
Springs At Orchard Road	\$90,000	114,222.23	\$65,727.01	\$30,840,002	267
Springs At Weber Road	\$90,000	102,833.20	\$56,271.39	\$26,325,300	255
Total	\$103,000	123,770.99	\$67,132.38	\$240,363,254	1932

Share of Households by Income Tiers



RESIDENT AGE COHORTS:

Community Name	0-4	20-34	35-49	50-64	5-19	65+	Total
Avanterra Wolf's Crossing	0.87%	6.98%	30.81%	22.09%	15.12%	18.31%	100.00%
Springs At Lily Cache Creek	0.96%	2.88%	44.81%	22.12%	13.85%	10.38%	100.00%
Springs At Orchard Road	1.72%	54.31%	14.44%	14.22%	6.25%	9.05%	100.00%
Springs At Oswego	1.28%	2.14%	40.38%	20.51%	16.03%	11.11%	100.00%
Springs At South Elgin	0.20%	1.83%	46.44%	18.74%	14.66%	9.78%	100.00%
Springs At St Charles	2.90%	54.09%	16.89%	12.40%	7.12%	6.60%	100.00%
Springs At Three Oaks	1.16%	51.40%	14.88%	17.91%	6.74%	7.91%	100.00%
Springs At Weber Road	0.43%	1.72%	43.99%	19.10%	15.24%	12.45%	100.00%
Total	0.48%	2.53%	46.01%	18.61%	14.94%	7.33%	100.00%

Exhibit F

MJK Portfolio Photos / Development Experience







Exhibit G

Continental Development Experience and Photo Tour



MIDWEST PORTFOLIO OVERVIEW

BY CONTINENTAL PROPERTIES

SPRINGS

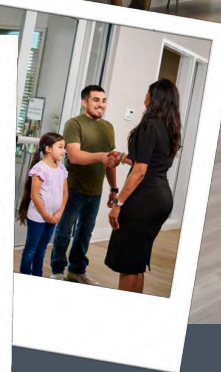
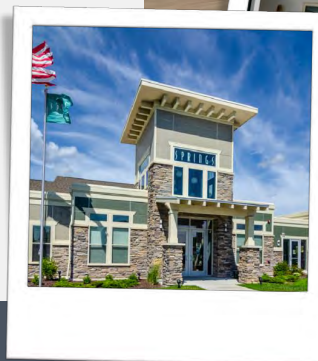
apartments



Introduction

A LEADER IN RENTAL HOUSING

Continental Properties is a privately held, multifamily real estate development company based in Menomonee Falls, Wisconsin. Founded in 1979, Continental has become a leading developer, owner, and operator of multifamily communities, retail centers, and hospitality properties in the United States.



TAKE COMFORT IN BEING HOME



resort-style
SWIMMING POOL



TAKE COMFORT IN BEING HOME



welcoming
COMMUNITY CLUBHOUSE



welcoming
COMMUNITY CLUBHOUSE



TAKE COMFORT IN BEING HOME



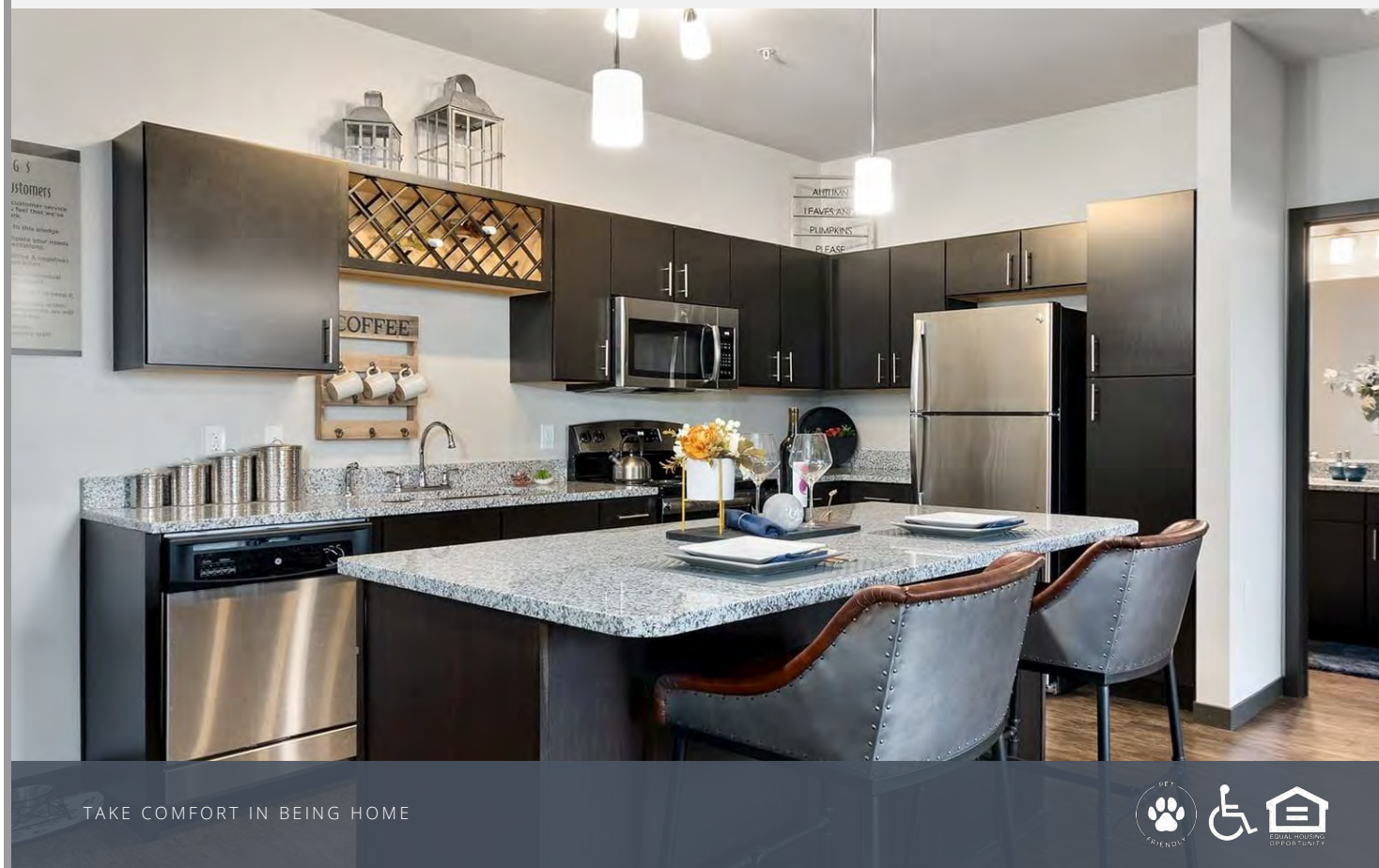
designer-inspired
HOME INTERIORS



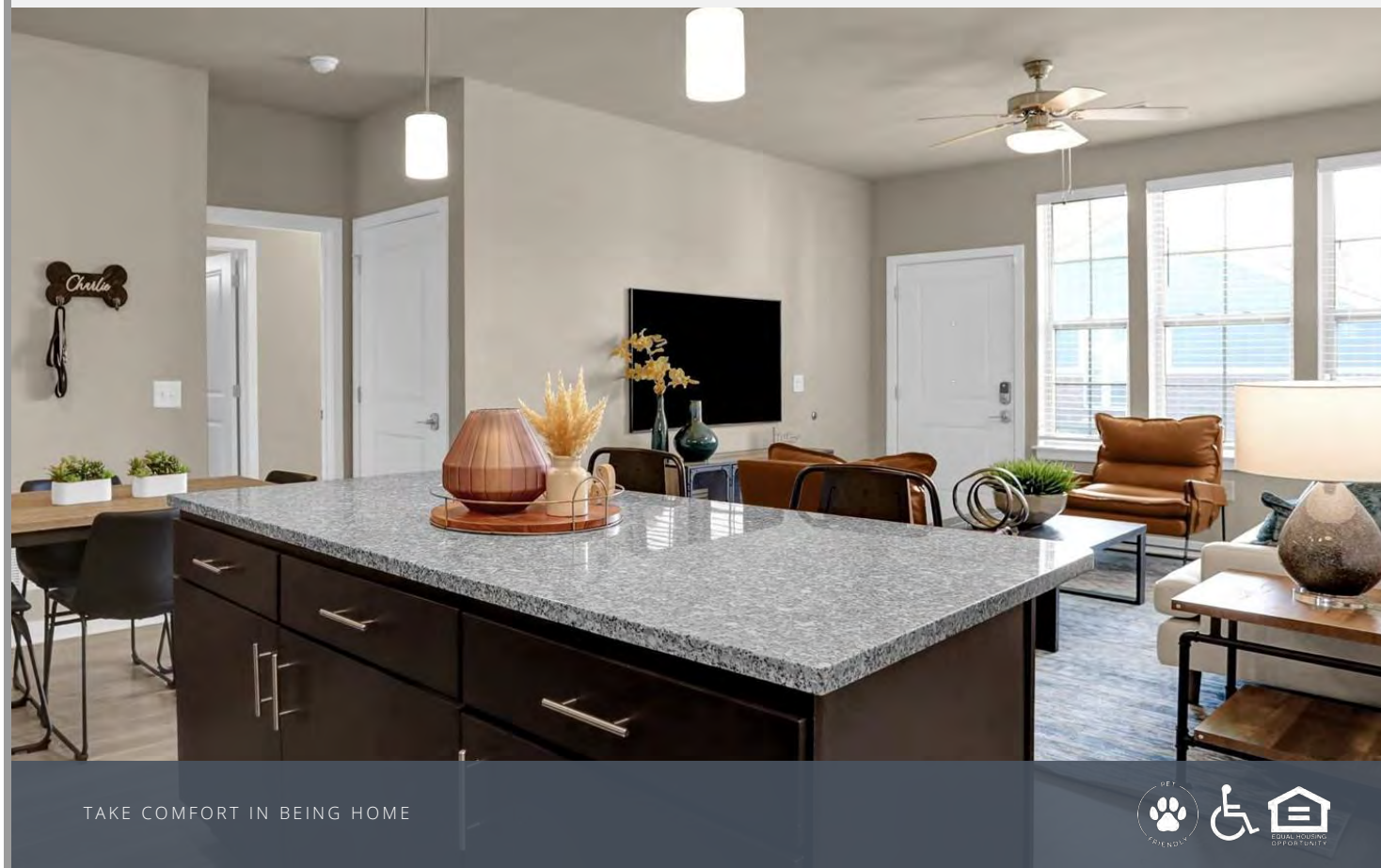
TAKE COMFORT IN BEING HOME



designer-inspired
HOME INTERIORS



designer-inspired
HOME INTERIORS



TAKE COMFORT IN BEING HOME



leash-free
PET PARK



TAKE COMFORT IN BEING HOME



spacious
BEDROOM SUITES



large
BEDROOM SUITES



spacious
BEDROOM SUITES



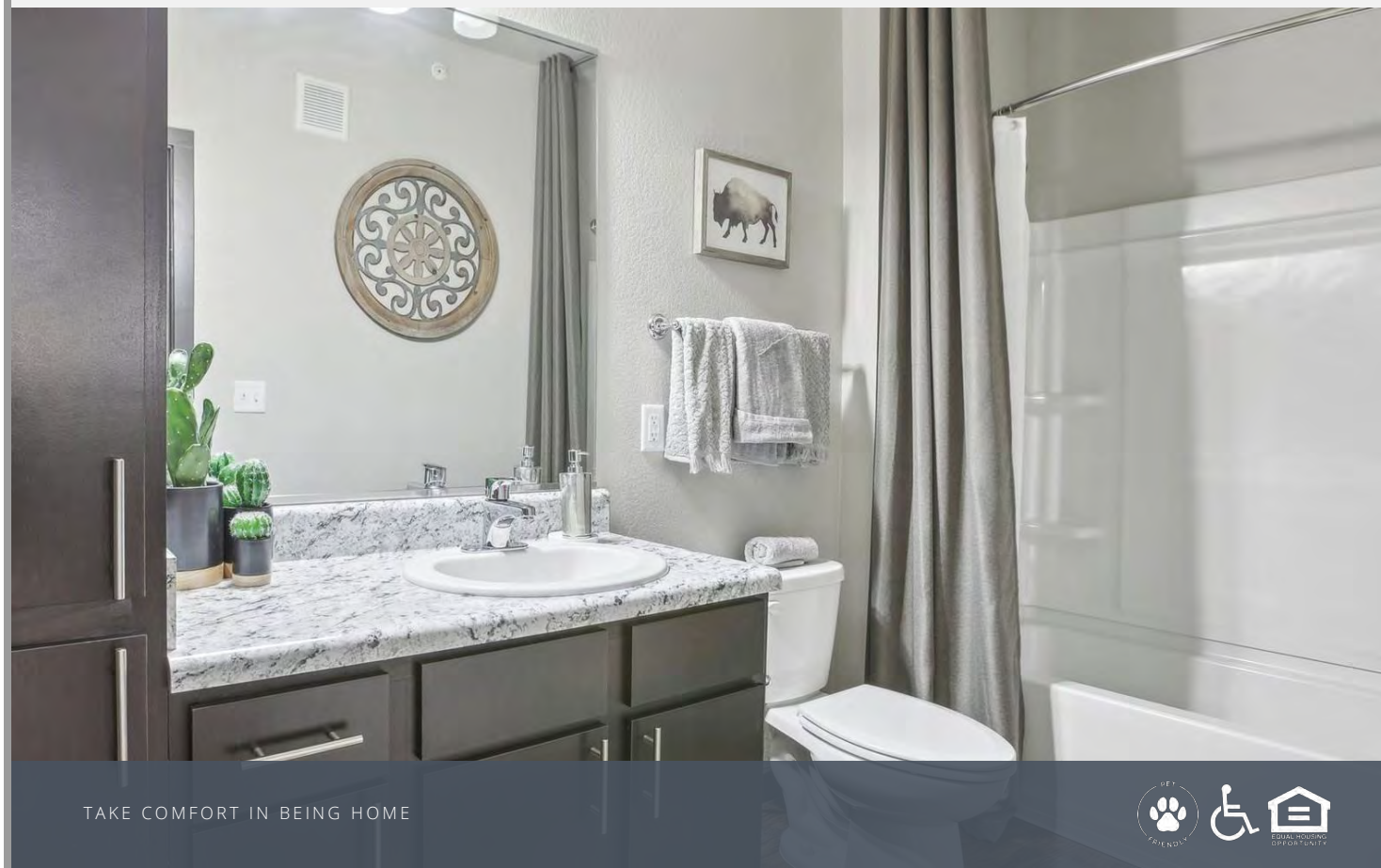
TAKE COMFORT IN BEING HOME



serene bathrooms
WITH SOAKING TUB



serene bathrooms
WITH SOAKING TUB



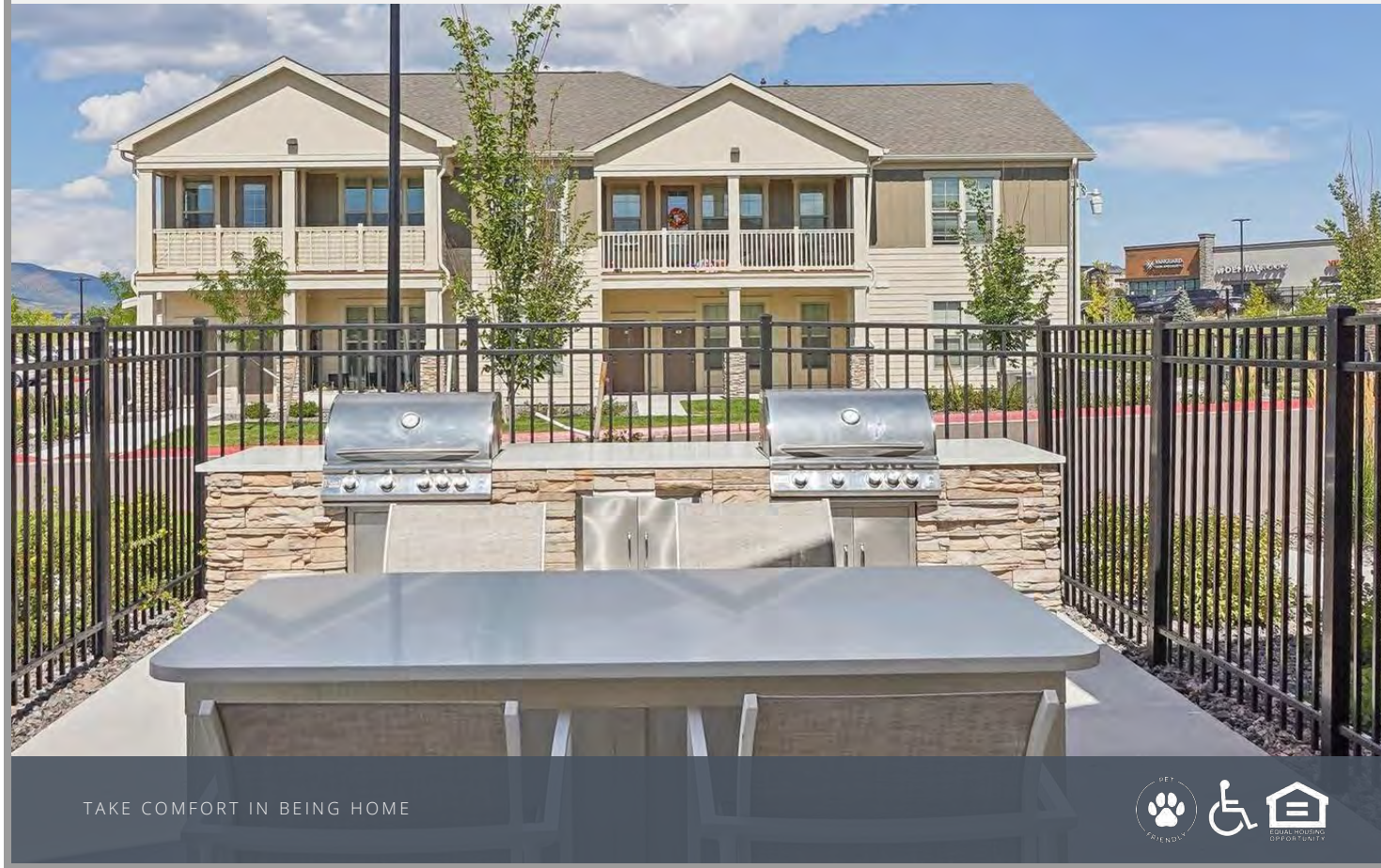
luxurious
COMMUNITY AMENITIES



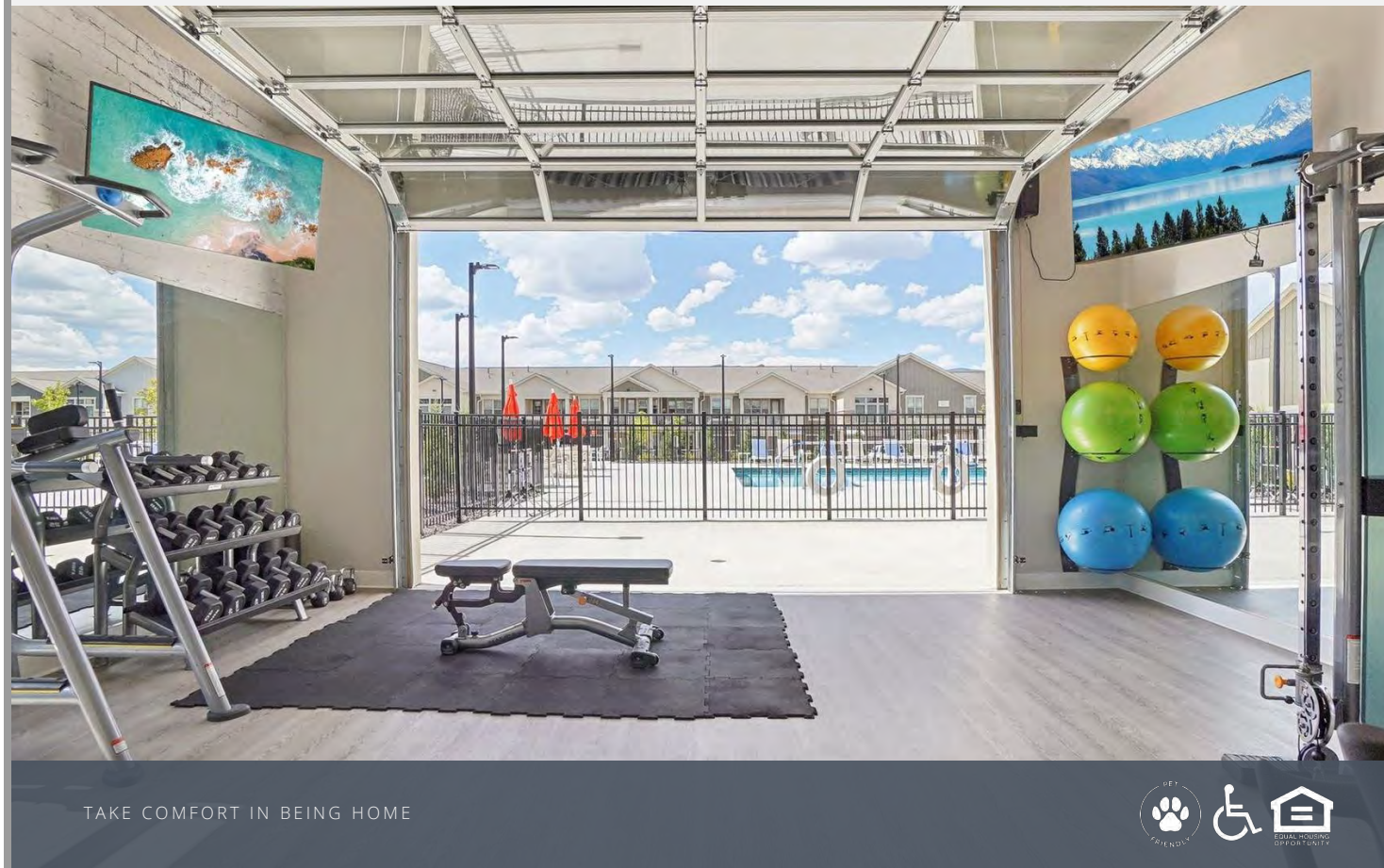
TAKE COMFORT IN BEING HOME



luxurious
COMMUNITY AMENITIES



luxurious
COMMUNITY AMENITIES



TAKE COMFORT IN BEING HOME



OPEN CONCEPT HOMES

with stunning finishes



TAKE COMFORT IN BEING HOME



OPEN CONCEPT HOMES

with stunning finishes



TAKE COMFORT IN BEING HOME



walk-in
CLOSETS



TAKE COMFORT IN BEING HOME



high-end, open-concept
KITCHENS



TAKE COMFORT IN BEING HOME



stunning community
CURB APPEAL



TAKE COMFORT IN BEING HOME

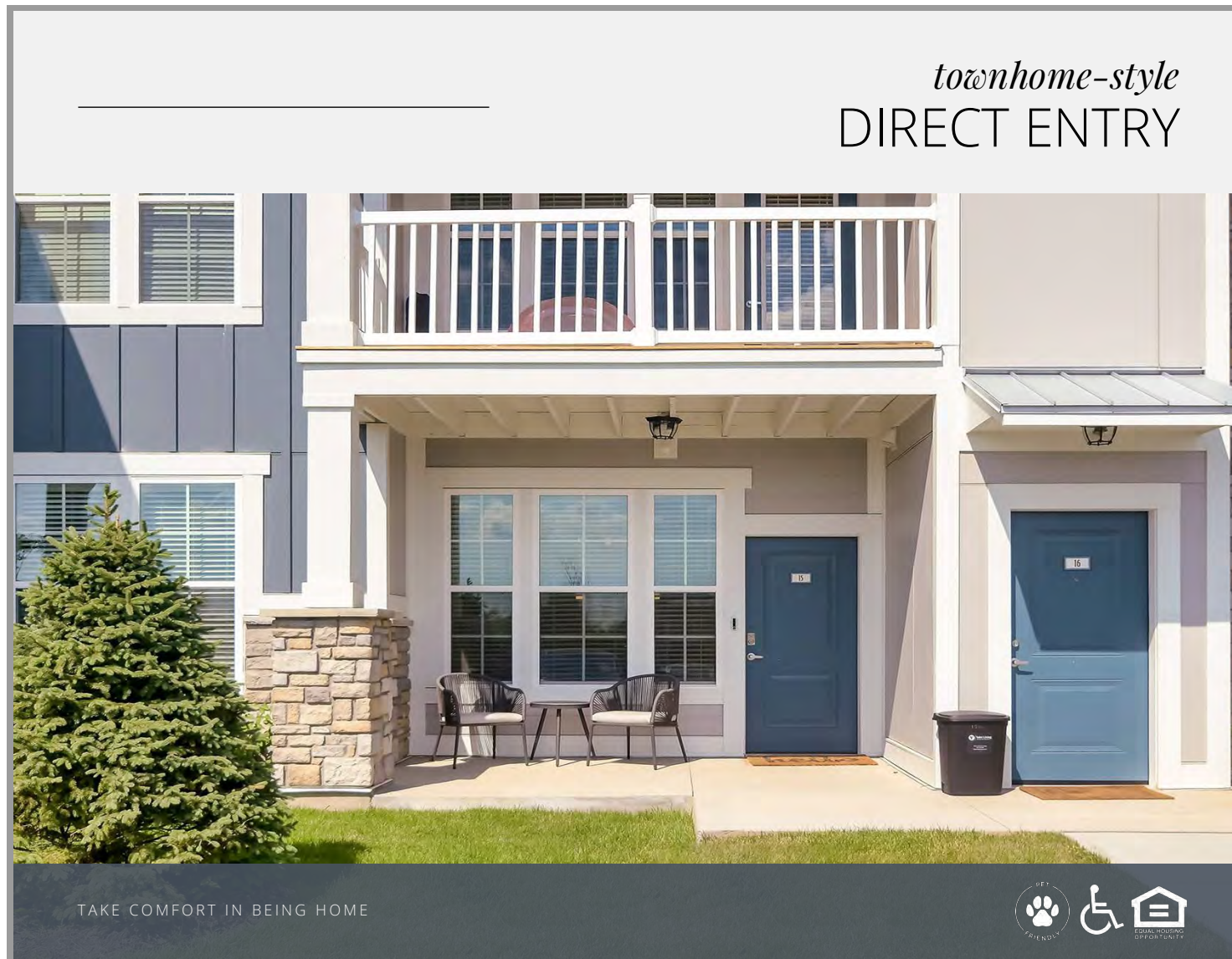


stunning community
EXTERIORS

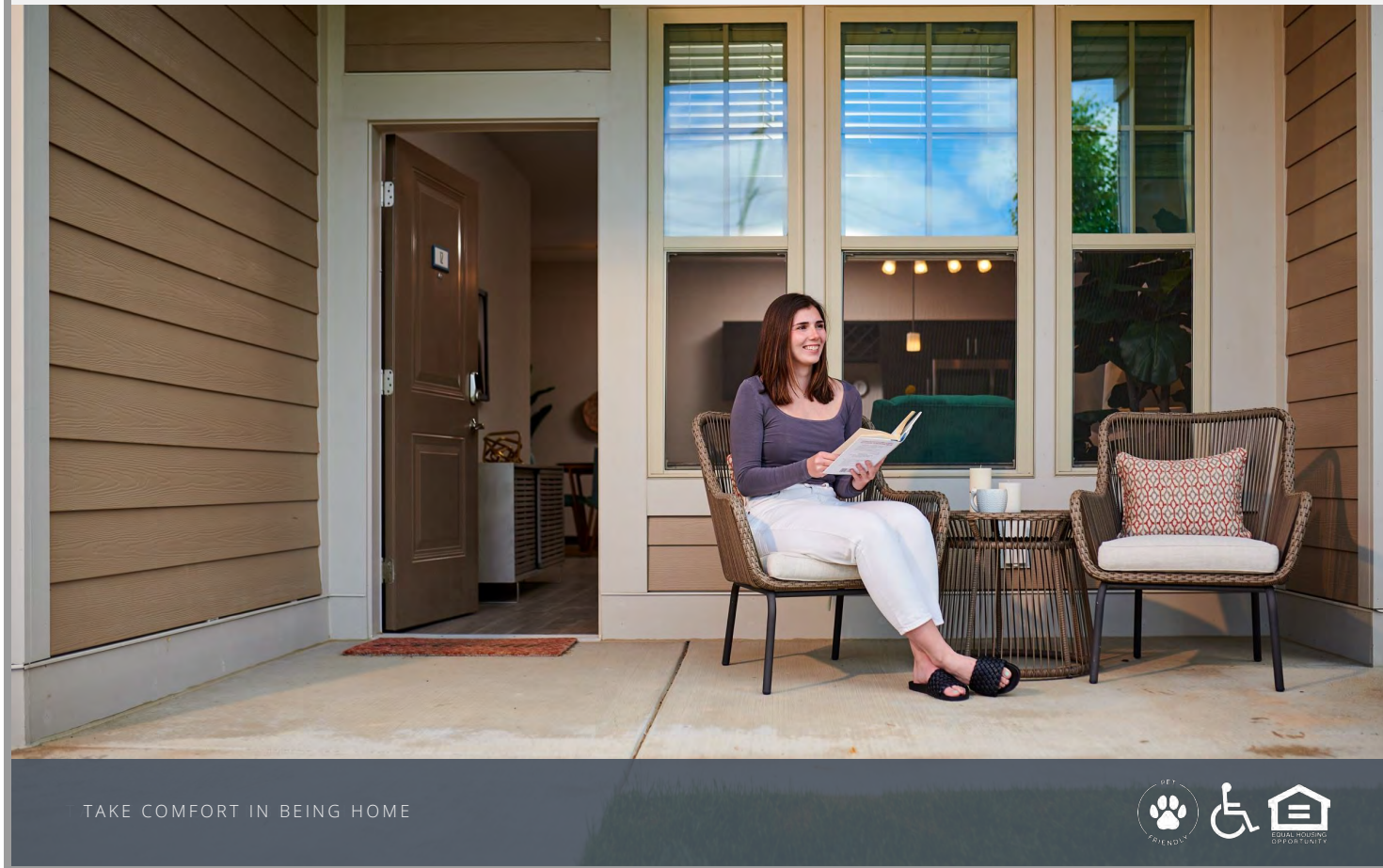


beautiful landscaping &
WALKING PATHS





townhome-style
DIRECT ENTRY



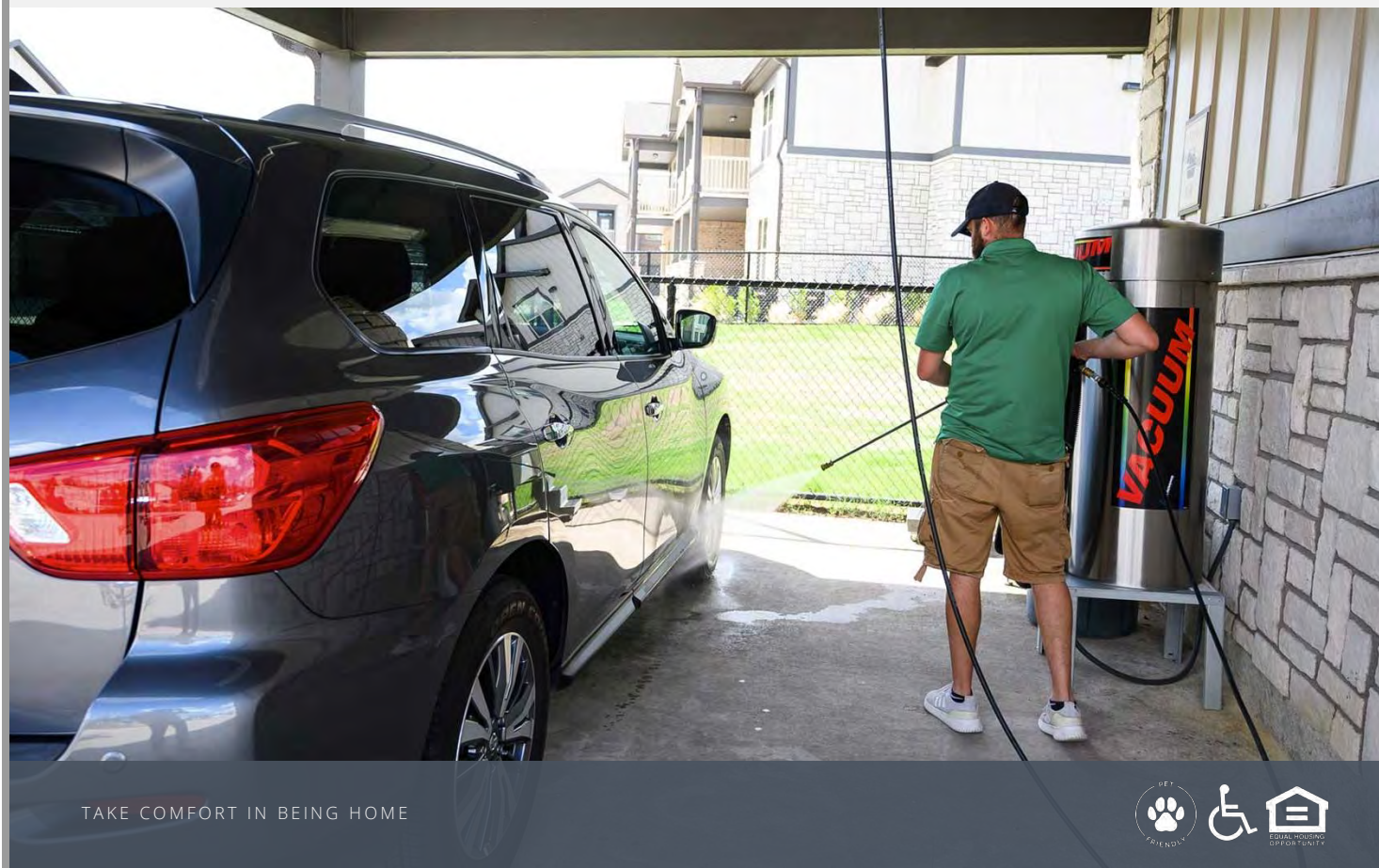
TAKE COMFORT IN BEING HOME



thoughtfully designed
FLOOR-PLAN LAYOUTS



convenient
CAR CARE CENTER



leash free
PET PARK



TAKE COMFORT IN BEING HOME



pet-friendly
AMENITIES



TAKE COMFORT IN BEING HOME



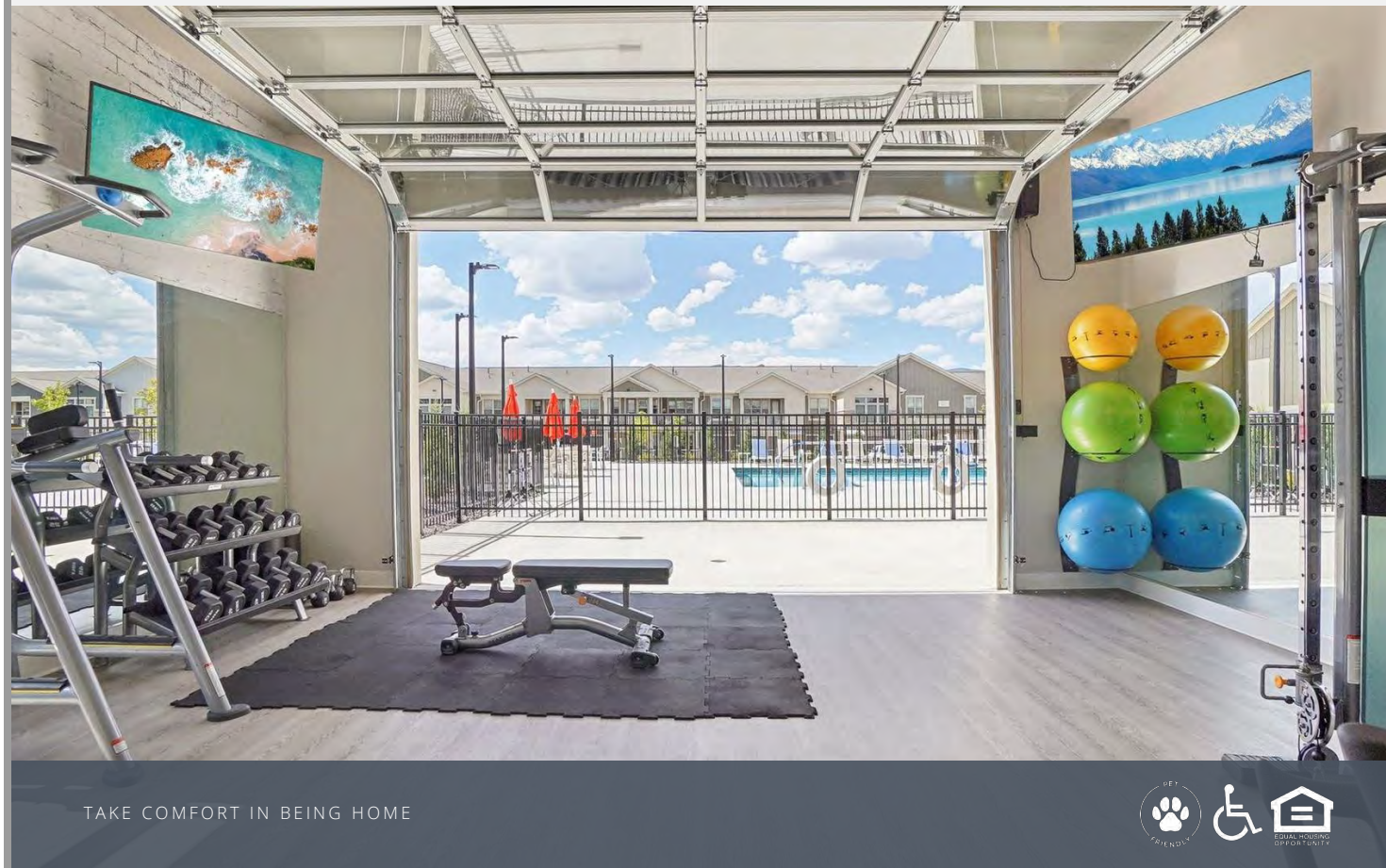
leash free
PET PARK



TAKE COMFORT IN BEING HOME



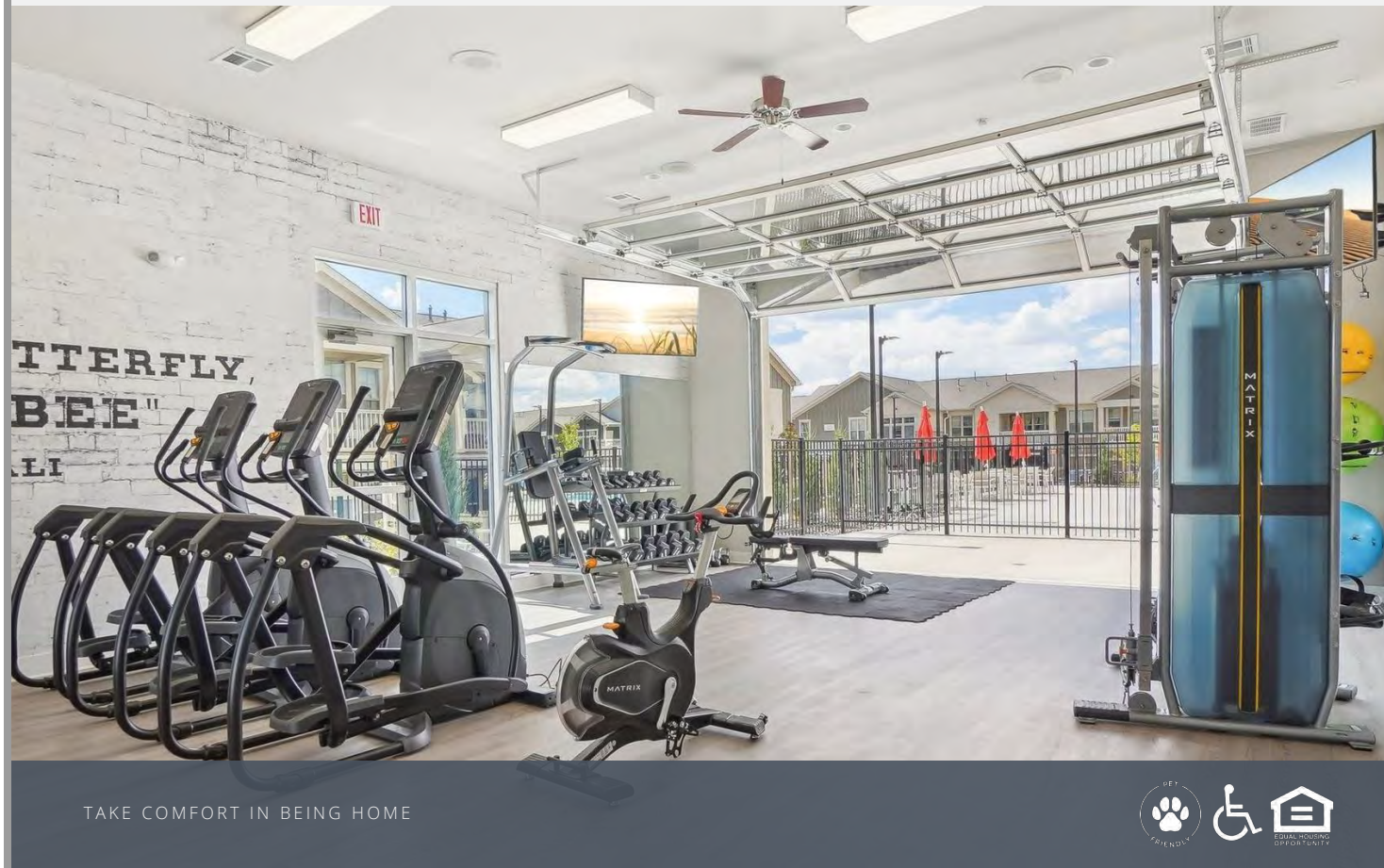
24-hour FITNESS CENTER



TAKE COMFORT IN BEING HOME



24-hour
FITNESS CENTER



TAKE COMFORT IN BEING HOME





BUILDING COMMUNITIES. ENHANCING LIVES.



AT A GLANCE

Continental Properties, with over 40 years of experience, leads the development of multifamily, commercial, and retail properties.

KEY METRICS

-  **41+**
Years of Experience
-  **+35,000**
Homes Built to Date
-  **19**
States Developed In
-  **+125**
Developed Communities

MEET CONTINENTAL PROPERTIES

With an emphasis on excellence in design, construction, and property management, Continental Properties strategically curated an extensive portfolio of thriving multifamily communities. Each rental community serves and enhances its surrounding neighborhood through its commitment to sustainability, customer satisfaction, and philanthropy.

BUILDING COMMUNITY

Consider Continental Properties for your next real estate developer and benefit from years of expertise coupled with a steadfast dedication to building community. Our reputation for reliability is held in high esteem by investors, tenants, and stakeholders alike.

WHY CONTINENTAL PROPERTIES?



**TRUSTED
DEVELOPMENT
LEADER**



**INNOVATIVE
PRODUCT
DESIGN**



**UNYIELDING
COMMUNITY
COMMITMENT**

TRIED AND TRUSTED LEADER IN DEVELOPMENT

Founded in 1979, Continental is a leading developer, owner, and operator of multifamily communities, retail centers, and hospitality properties in the United States.

INNOVATIVE CUSTOMER DRIVEN DESIGNS

At our core, we are committed to crafting products that withstand the test of time. Our team's relentless pursuit of improvement and collaboration creates an inclusive community centered around innovation.

COMMUNITY FIRST APPROACH TO DEVELOPMENT

Continental Properties demonstrates an unyielding commitment to its customers and their surrounding community. We prioritize feedback-based designs and community outreach which ensures a successful portfolio.

CONTINENTAL PROPERTIES

 W134 N8675 Executive Parkway
Menomonee Falls, WI 53051

 www.cproperties.com

 262-502-5500