#### Owner / Developer THE SURNOW COMPANY

Tel. (248) 865-3000 x 102

#### CONTACT: Sam Surnow

## Architect

BIDDISON ARCHITECTURE 320 Martin Street Suite 10 Birmingham, MI 48009 Tel. (248) 554-9500

CONTACT: Kevin Biddison, AIA

## Civil Engineer

NOWAK & FRAUS ENGINEERS 46777 Woodward Ave. Pontiac, MI 48342-5032 Tel. (248) 332-7931 Fax. (248) 332-8257

CONTACT: Brad W. Brickel, P.E.

## Landscape Architect

NOWAK & FRAUS ENGINEERS 46777 Woodward Ave. Pontiac, MI 48342-5032 Tel. (248) 332-7931 Fax. (248) 332-8257

CONTACT: George Ostrowski, LLS, LEED AP

## **LEGAL DESCRIPTION - PER TITLE COMMITMENT**

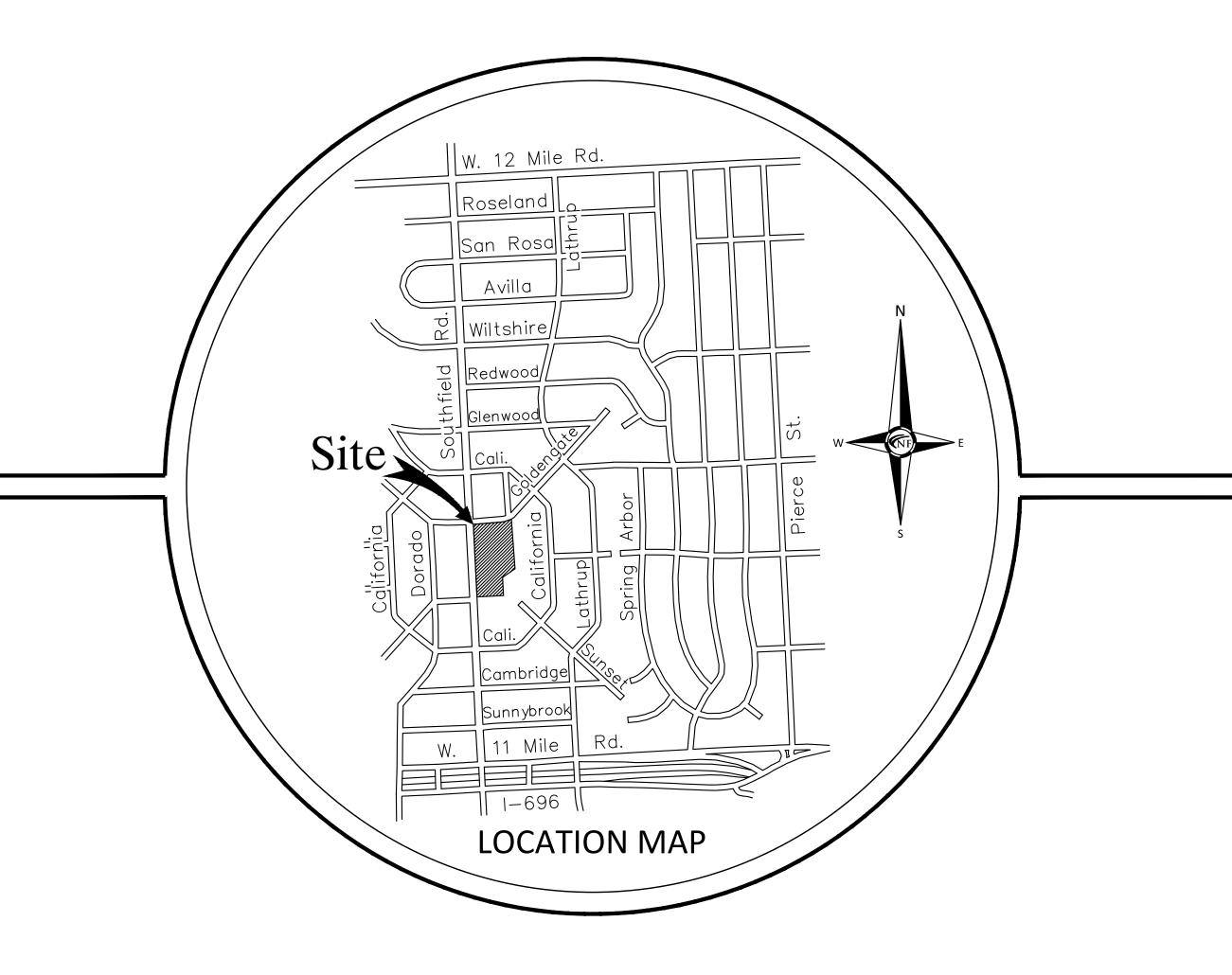
LAND SITUATED IN THE CITY OF LATHRUP VILLAGE, COUNTY OF OAKLAND, STATE OF MICHIGAN, DESCRIBED AS FOLLOWS:

LOT 1677 AND VACATED SOUTHFIELD SQUARE, FORMERLY KNOWN AS MONTEREY STREET LYING EASTERLY OF LOT 1677 AND WESTERLY OF LOTS 1665 TO 1689, EXCEPT THAT PART OF VACATED SOUTHFIELD SQUARE LYING SOUTH OF A LINE DRAWN BETWEEN THE NORTHWEST CORNER OF OF LOT 1680 AND A POINT 150 FEET FROM THE SOUTHEAST CORNER OF LOT 1677, ALONG THE EASTERLY BOUNDARY OF SAID LOT 1677, LOUISE LATHRUP'S CALIFORNIA BUNGALOW SUBDIVISION NO. 3, AS RECORDED IN LIBER 32 OF PLATS, PAGE 26, OAKLAND COUNTY RECORDS.

TAX ID NUMBER: 24-13-303-021

ADDRESS: 27700 SOUTHFIELD ROAD, LATHRUP VILLAGE, MI 48076

City of Lathrup, Oakland County, Michigan SITE PLAN DOCUMENTS Prepared For The Surnow Company



Project Name

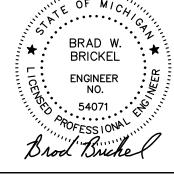
# 27700 Southfield Road

phic/

REVISIONS: 10-17-24 ISSUED FOR SITE PLAN REVIEW

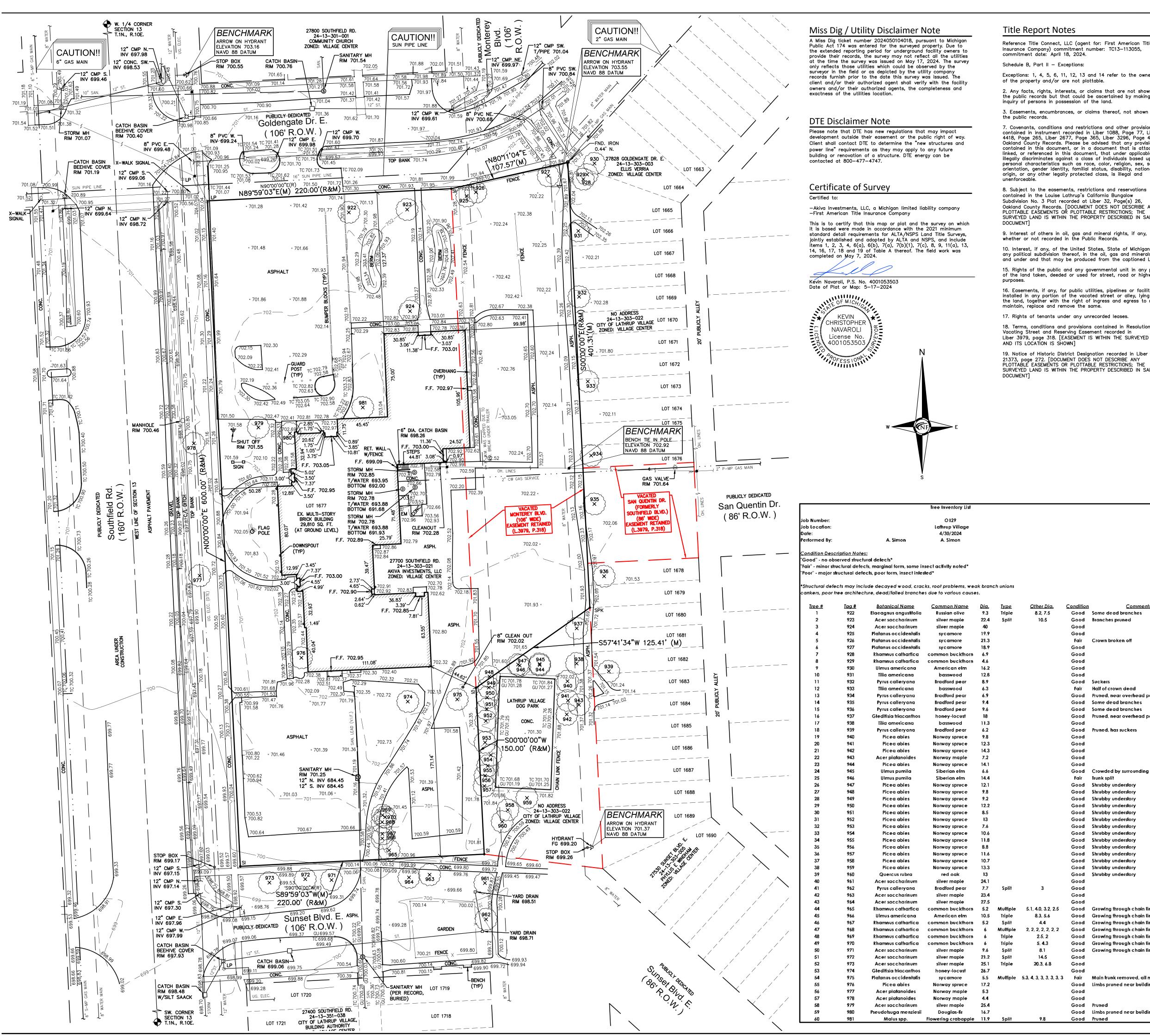


NUME OF



N & F JOB #0129

Know what's below Call before you dig



Reference Title Connect, LLC (agent for: First American Title Insurance Company) commitment number: TC13-113055, commitment date: April 18, 2024.

Exceptions: 1, 4, 5, 6, 11, 12, 13 and 14 refer to the ownership

2. Any facts, rights, interests, or claims that are not shown by the public records but that could be ascertained by making inquiry of persons in possession of the land.

3. Easements, encumbrances, or claims thereof, not shown by 7. Covenants, conditions and restrictions and other provisions as

contained in instrument recorded in Liber 1088, Page 77, Liber 4418, Page 265, Liber 2677, Page 365, Liber 3296, Page 415, Oakland County Records. Please be advised that any provision contained in this document, or in a document that is attached, linked, or referenced in this document, that under applicable law illegally discriminates against a class of individuals based upon personal characteristics such as race, color, religion, sex, sexual orientation, gender identity, familial status, disability, national origin, or any other legally protected class, is illegal and

contained in the Louise Lathrup's California Bungalow Subdivision No. 3 Plat recorded at Liber 32, Page(s) 26, Oakland County Records. [DOCUMENT DOES NOT DESCRIBE ANY PLOTTABLE EASEMENTS OR PLOTTABLE RESTRICTIONS; THE SURVEYED LAND IS WITHIN THE PROPERTY DESCRIBED IN SAID

9. Interest of others in oil, gas and mineral rights, if any, whether or not recorded in the Public Records.

10. Interest, if any, of the United States, State of Michigan, or any political subdivision thereof, in the oil, gas and minerals in and under and that may be produced from the captioned Land. 15. Rights of the public and any governmental unit in any part of the land taken, deeded or used for street, road or highway

16. Easements, if any, for public utilities, pipelines or facilities installed in any portion of the vacated street or alley, lying within the land, together with the right of ingress and egress to repair,

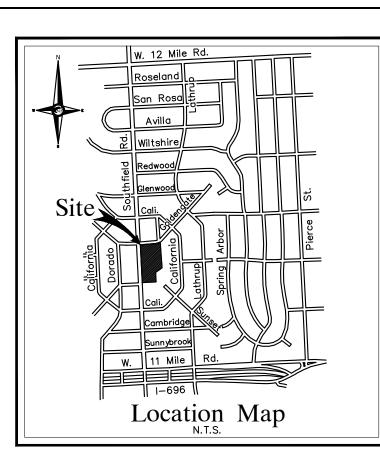
18. Terms, conditions and provisions contained in Resolution Vacating Street and Reserving Easement recorded in Liber 3979, page 318. [EASEMENT IS WITHIN THE SURVEYED LAND

21373, page 272. [DOCUMENT DOES NOT DESCRIBE ANY PLOTTABLE EASEMENTS OR PLOTTABLE RESTRICTIONS; THE SURVEYED LAND IS WITHIN THE PROPERTY DESCRIBED IN SAID

<u>Condition</u>

<u>Comments</u>

	Good	Some dead branches
	Good	Branches pruned
	Good	
	Good	
	Fair	Crown broken off
	Good	
	Good	Suckers
	Fair	Half of crown dead
	Good	Pruned, near overhead power line
	Good	Some dead branches
	Good	Some dead branches
	Good	Pruned, near overhead power line
	Good	·····
	Good	Pruned, has suckers
	Good	
	Good	Crowded by surrounding free
	Fair	Trunk split
	Good	Shrubby understory
	Good	
5	Good	Growing through chain link fence
	Good	Growing through chain link fence
	Good	Growing through chain link fence
2	Good	Growing through chain link fence
	Good	Growing through chain link fence
	Good	Growing through chain link fence
	Good	Growing through chain link fence
	Good	
	Good	
	Good	
3, 3	Fair	Main trunk removed, all matured suc
	Good	Limbs pruned near building
	Good	
	Good	
	Good	Pruned
	Good	Limbs pruned near building
	Good	Pruned



#### Survey Data

<u>Site area:</u> 177,119 square feet or 4.066 acres

<u>Zoned:</u> Village Center District

<u>Parking spaces:</u> No Striped Parking Spaces

Building Setbacks: (L.1088, P.77 & L.4418, P.265) 40 feet 3 feet Front: Side:

A Surveyor cannot make a certification on the basis of an interpretation or opinion of another party. A zoning endorsement letter should be obtained from the City of Lathrup Village to insure conformity as well as make a final determination of the required building setback requirements.

#### Legal Description -

Per Title Commitment Land situated in the City of Lathrup Village, County of Oakland, State of Michigan, described as follows:

Lot 1677 and vacated Southfield Square, formerly known as Monterey Street lying Easterly of Lot 1677 and Westerly of Lots 1665 to 1689, except that part of vacated Southfield Square lying South of a line drawn between the Northwest corner of of Lot 1680 and a point 150 feet from the Southeast corner of Lot 1677, along the Easterly boundary of said Lot 1677, Louise Lathrup's California Bungalow Subdivision No. 3, as recorded in Liber 32 of Plats, Page 26, Oakland County Records. Tax ID Number: 24-13-303-021

Address: 27700 Southfield Road, Lathrup Village, MI 48076

#### ALTA Survey Notes

There is no visible evidence of current earth moving work, building construction or building additions.

There is no proposed changes in street right of way lines and there is no evidence of recent street or sidewalk construction or

There is no visible evidence of site use as a solid waste dump, sump or sanitary landfill.

Location of utilities existing on or serving the property as observed evidence or evidence requested by the surveyor and obtained from utility companies. The subject property has access to Goldengate Drive, being a publicly dedicated road.

#### Basis of Bearing Note

All bearings are in relation to the previously established East Right-of-Way line of Southfield Road (160' wide) of Louise Lathrup's California Bungalow Subdivision No. 3 as recorded in Liber 32 of Plats, Page 26, Oakland County Records. (Due North)

#### Flood Hazard Note

The property described on this survey does not lie within a special flood hazard area as defined by the Federal Emergency Management Agency; the property lies within Zone X of the Flood Insurance Rate Map identified as map no. 26125C0676F bearing an effective date of 09/29/2006.

#### Topographic Survey Notes

All elevations are existing elevations, unless otherwise noted. Utility locations were obtained from municipal officials and records of utility companies, and no guarantee can be made to the completeness, or exactness of location.

LEGEND	
MANHOLE(MH) CO CO MH HYDRANT(HYD) GATE_VALVE(GVW)	EXISTING SANITARY SEWER EXISTING SAN. CLEAN OUT EX. COMBINED (COMB.) SEWER EXISTING WATER MAIN
MANHOLE(MH) CATCH BASIN(CB)	EXISTING STORM DRAIN EX. BEEHIVE CATCH BASIN EX. UNDERGROUND (UG.) CABL
UP GUY <sup>V</sup> WIRE KEP I I I I I I I I I I I I I	OVERHEAD (OH.) LINES LIGHT POLE SIGN EXISTING GAS MAIN
ASPH. CONC. FD. / FND.	ASPHALT CONCRETE FOUND
RET. WALL R.O.W. SPK (TYP)	RETAINING WALL RIGHT-OF-WAY SET PK NAIL TYPICAL
(R) (M) C/L P/L GM	RECORD MEASURED CENTERLINE PROPERTY LINE GAS METER
EM LS DS GP	ELECTRIC METER LANDSCAPE DOWNSPOUT GUARD POST



46777 WOODWARD AVE. PONTIAC, MI 48342-5032 TEL. (248) 332-7931 FAX. (248) 332-8257 WWW.NOWAKFRAUS.COM

SEAL

PROJECT 27700 Southfield Road Lathrup Village, MI 48076

CLIENT The Surnow Company

Contact: Sam Surnow Phone: 248.865.3000 x 102 Email: sam@surnow.com

#### PROJECT LOCATION

Part of the SW 1/4 of Section 13 T.1N., R.10E. City of Lathrup Village, Oakland County, Michigan

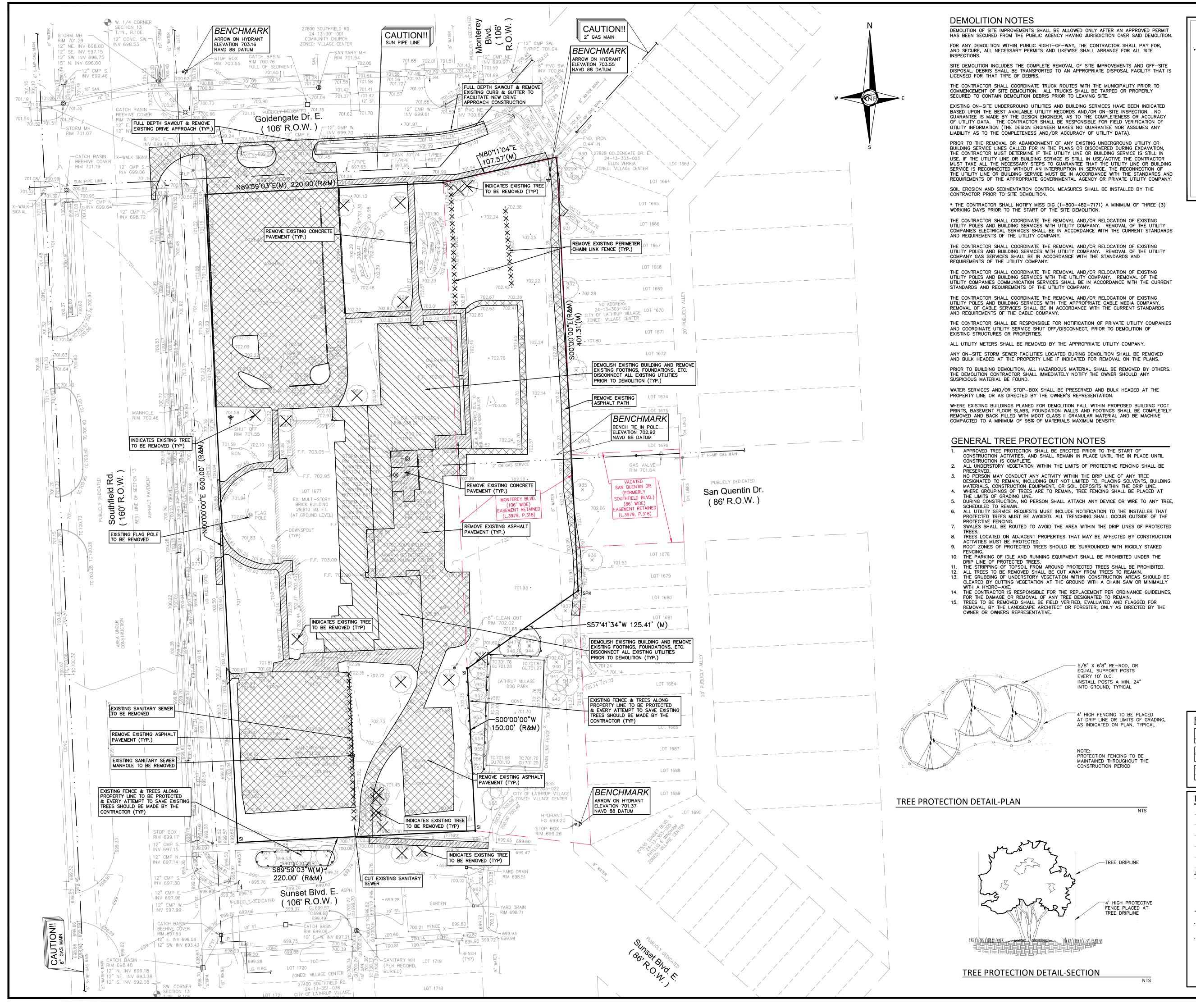
SHEET

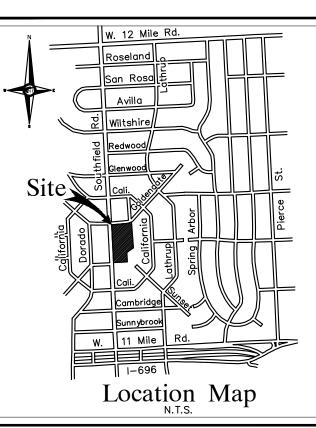
ALTA/NSPS Land Title / Topographic / Tree Survey



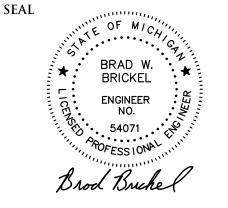
ISSUED/REVISED DATE 10-17-24 ISSUED FOR SITE PLAN REVIEW

DRAWN BY:			
M. Carnaghi			
DESIGNED BY:			
APPROVED BY:			
K. Navaroli			
DATE:			
October 17, 202	24		
SCALE: $1'' = 40$	'		
40 20 0	20	40	6
NFE JOB NO.	SH	EET NO	).
0129		<b>SP01</b>	









PROJECT 27700 Southfield Road Lathrup Village, MI 48076

#### CLIENT

The Surnow Company

Contact: Sam Surnow Phone: 248.865.3000 x 102 Email: sam@surnow.com

#### PROJECT LOCATION

Part of the SW 1/4 of Section 13 T.1N., R.10E., City of Lathrup Village, Oakland County, Michigan

SHEET **Demolition Plan** 



Know what's **below Call** before you dig.

DATE		ISSUED/RE	VISED
0-17-24	ISSUED	FOR SITE PLAN	REVIEW

	<b>O129</b>	<b>SP02</b>
	NFE JOB NO.	SHEET NO.
ΞE		
	30 15 0	15 30 45
	SCALE: $1'' = 30$	,
	<u>October 17, 20</u>	24
	DATE:	
	B. Brickel	
	APPROVED BY:	
	A. Eizember	
	<b>DESIGNED BY:</b>	
	J. Lawrey	
	DRAWN BY:	
т		
R		

INDICATES EXISTING BUILDING TO BE DEMOLISHED INDICATES AREAS OF ASPHALT PAVEMENT TO BE REMOVED INDICATES AREAS OF CONCRETE PAVEMENT/ SIDEWALK TO BE REMOVED LEGEND

#### MANHOLE —(s)—

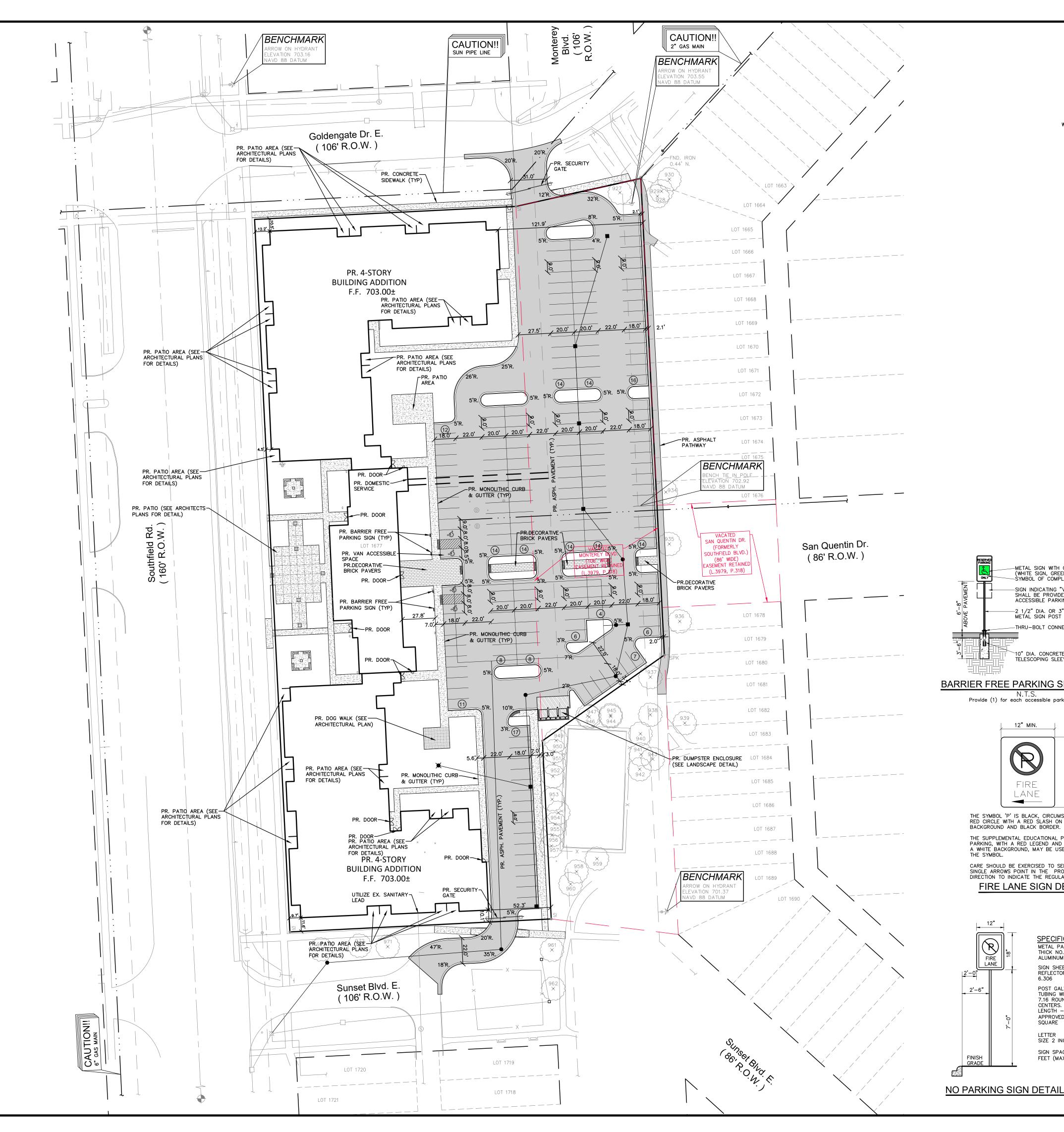
HYDRANT GATE\_VALVE MANHOLE CATCH BASIN UTILITY POLE GUY POLE \_\_\_\_\_ GUY WIRE

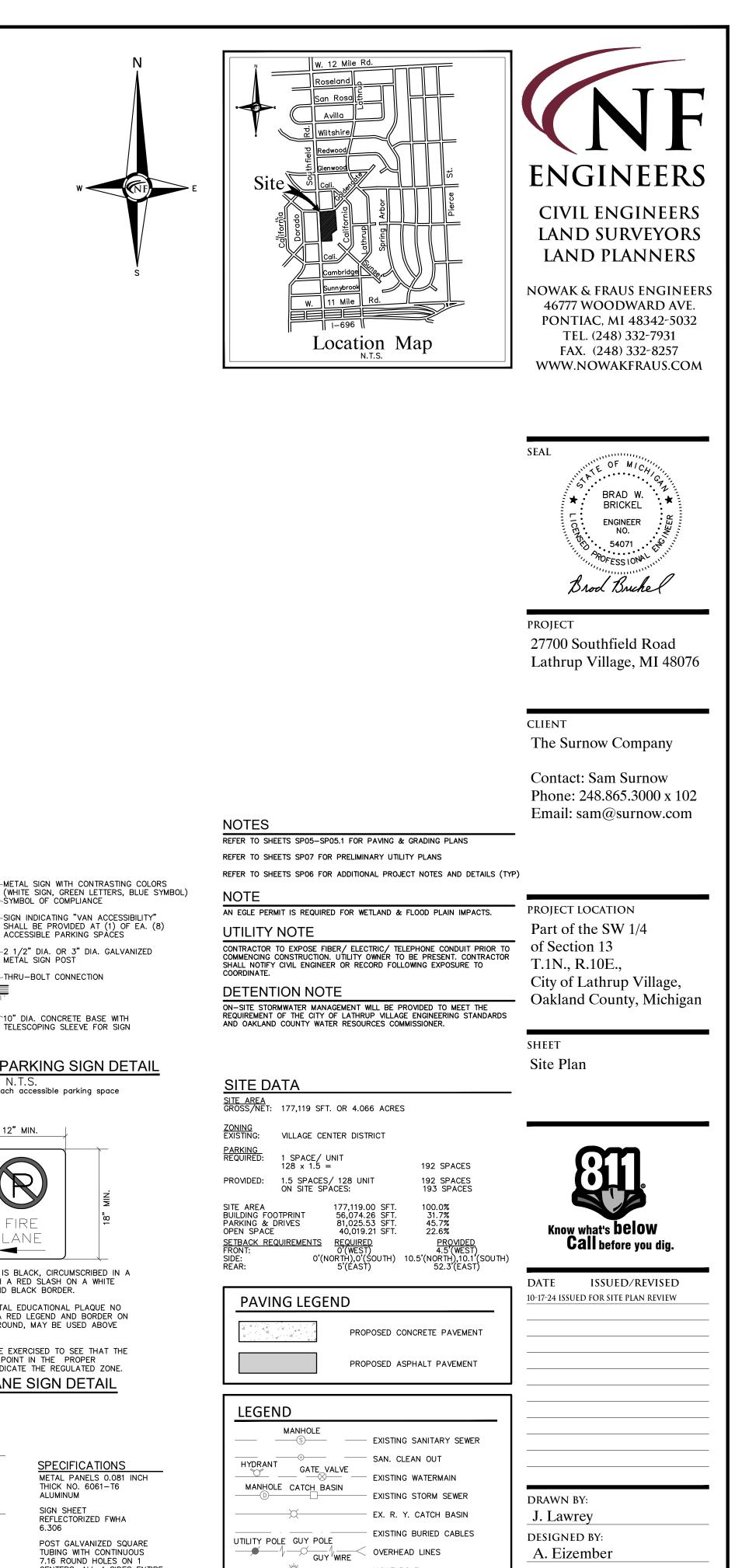
//・//・//・//・//

2" MAPI

EXISTING SANITARY SEWER EXISTING SAN. CLEAN OU EXISTING WATER MAIN EXISTING STORM SEWER EX. R. Y. CATCH BASIN EXISTING BURIED CABLES OVERHEAD LINES LIGHT POLE SIGN EXISTING GAS MAIN BE REMOVED EXISTING UTILITY TO BE ABANDONED CONSTRUCTION/TREE PROTECTION FÉNCING INDICATES EXISTING TRE TO BE REMOVED

REMOVAL LEGEND



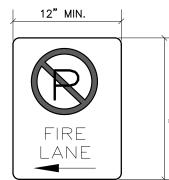


--METAL SIGN WITH CONTRASTING COLORS (WHITE SIGN, GREEN LETTERS, BLUE SYMBOL) --SYMBOL OF COMPLIANCE –SIGN INDICATING "VAN ACCESSIBILITY" SHALL BE PROVIDED AT (1) OF EA. (8) ACCESSIBLE PARKING SPACES -2 1/2" DIA. OR 3" DIA. GALVANIZED METAL SIGN POST

10" DIA. CONCRETE BASE WITH TELESCOPING SLEEVE FOR SIGN

#### BARRIER FREE PARKING SIGN DETAIL

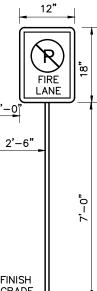
N.T.S. Provide (1) for each accessible parking space



THE SYMBOL 'P' IS BLACK, CIRCUMSCRIBED IN A RED CIRCLE WITH A RED SLASH ON A WHITE BACKGROUND AND BLACK BORDER.

THE SUPPLEMENTAL EDUCATIONAL PLAQUE NO PARKING, WITH A RED LEGEND AND BORDER ON A WHITE BACKGROUND, MAY BE USED ABOVE THE SYMBOL.

CARE SHOULD BE EXERCISED TO SEE THAT THE SINGLE ARROWS POINT IN THE PROPER DIRECTION TO INDICATE THE REGULATED ZONE. FIRE LANE SIGN DETAIL



SPECIFICATIONS METAL PANELS 0.081 INCH THICK NO. 6061-T6 ALUMINUM SIGN SHEET REFLECTORIZED FWHA 6.306 POST GALVANIZED SQUARE

TUBING WITH CONTINUOUS 7.16 ROUND HOLES ON 1 CENTERS. ALL 4 SIDES ENTIRE LENGTH – UNISTRUT OR APPROVED EQUAL - 1-3/4 SQUARE LETTER

N.T.S.

SIZE 2 INCH SIGN SPACING 75 FEET (MAX.)

#### -Ŭ-LIGHT POLE SIGN \_\_\_\_\_ ----- EXISTING GAS MAIN MANHOLE PR. SANITARY SEWER ⊖\_\_\_\_-HYDRANT GATE VALVE PR. WATER MAIN MANHOLE C.B. ------- PR. STORM SEWER PR. R. Y. CATCH BASIN -ŬF

C.O.

INLET

-7

APPROVED BY:

B. Brickel DATE: October 17, 2024 SCALE: 1'' = 40'40 20 0 20 40

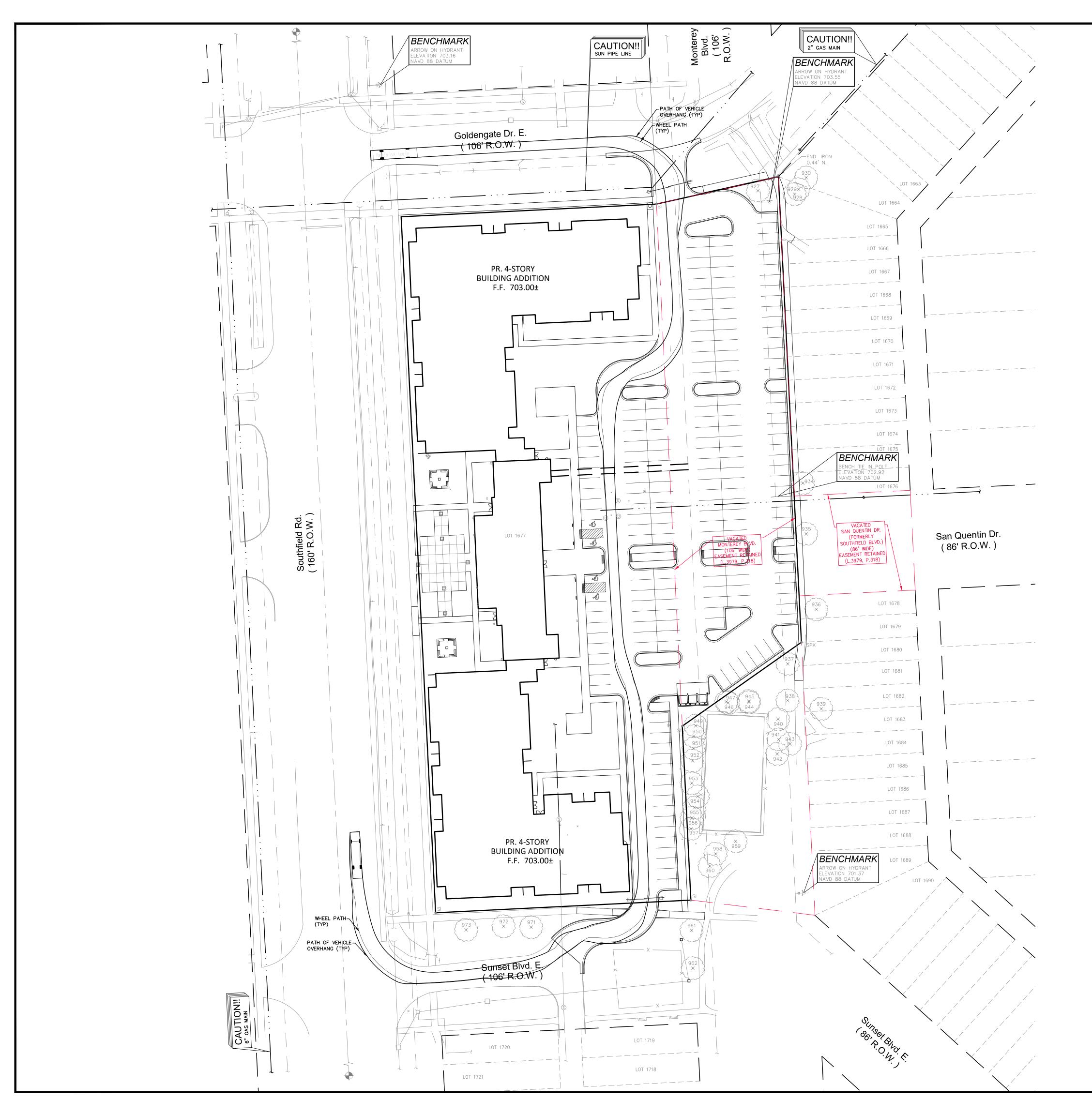
NFE JOB NO.

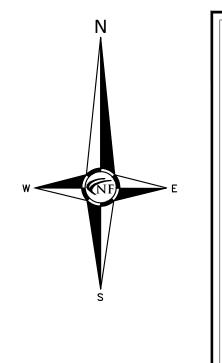
**O129** 

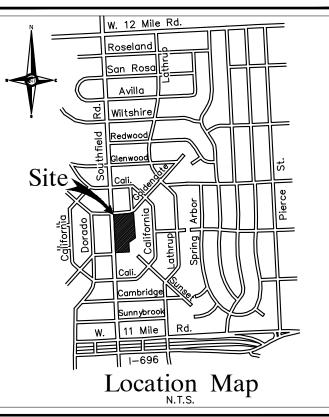
SHEET NO.

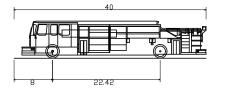
**SP03** 

PROPOSED LIGHT POLE









Pumper Fire Truck - Lyone Fire Overall Length 4 Overall Width 7 Min Body Height 7 Min Body Ground Clearance 0 Track Width 88 Lock-to-lock time 55 Curb to Curb Turning Radius 4





SEAL TE OF MIC BRAD W. BRICKEL ENGINEER NO. 54071 OFESSIC Brod Briche (

PROJECT 27700 Southfield Road Lathrup Village, MI 48076

CLIENT

The Surnow Company

Contact: Sam Surnow Phone: 248.865.3000 x 102 Email: sam@surnow.com

PROJECT LOCATION

Part of the SW 1/4 of Section 13 T.1N., R.10E., City of Lathrup Village, Oakland County, Michigan

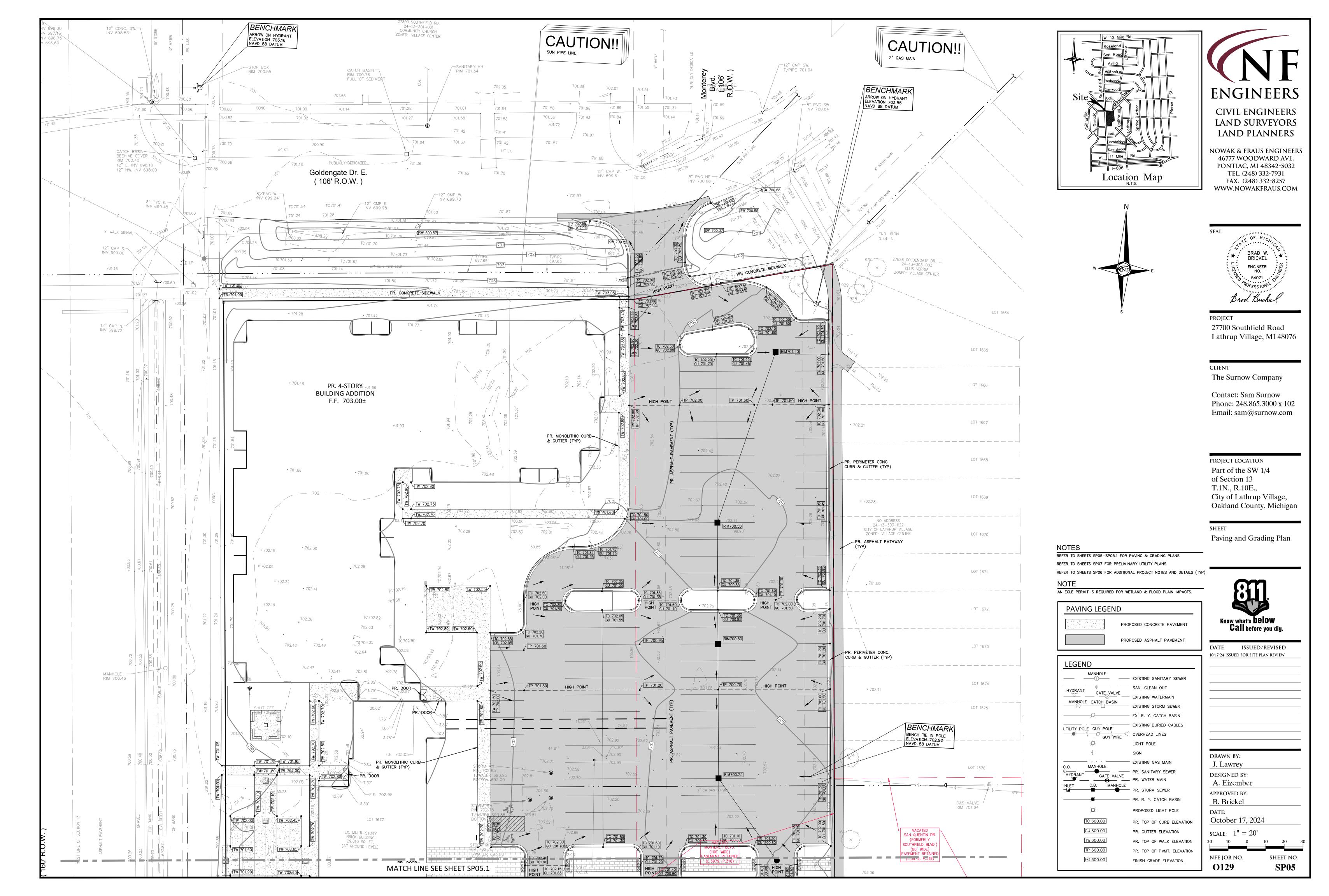
SHEET Fire Truck Turning Plan

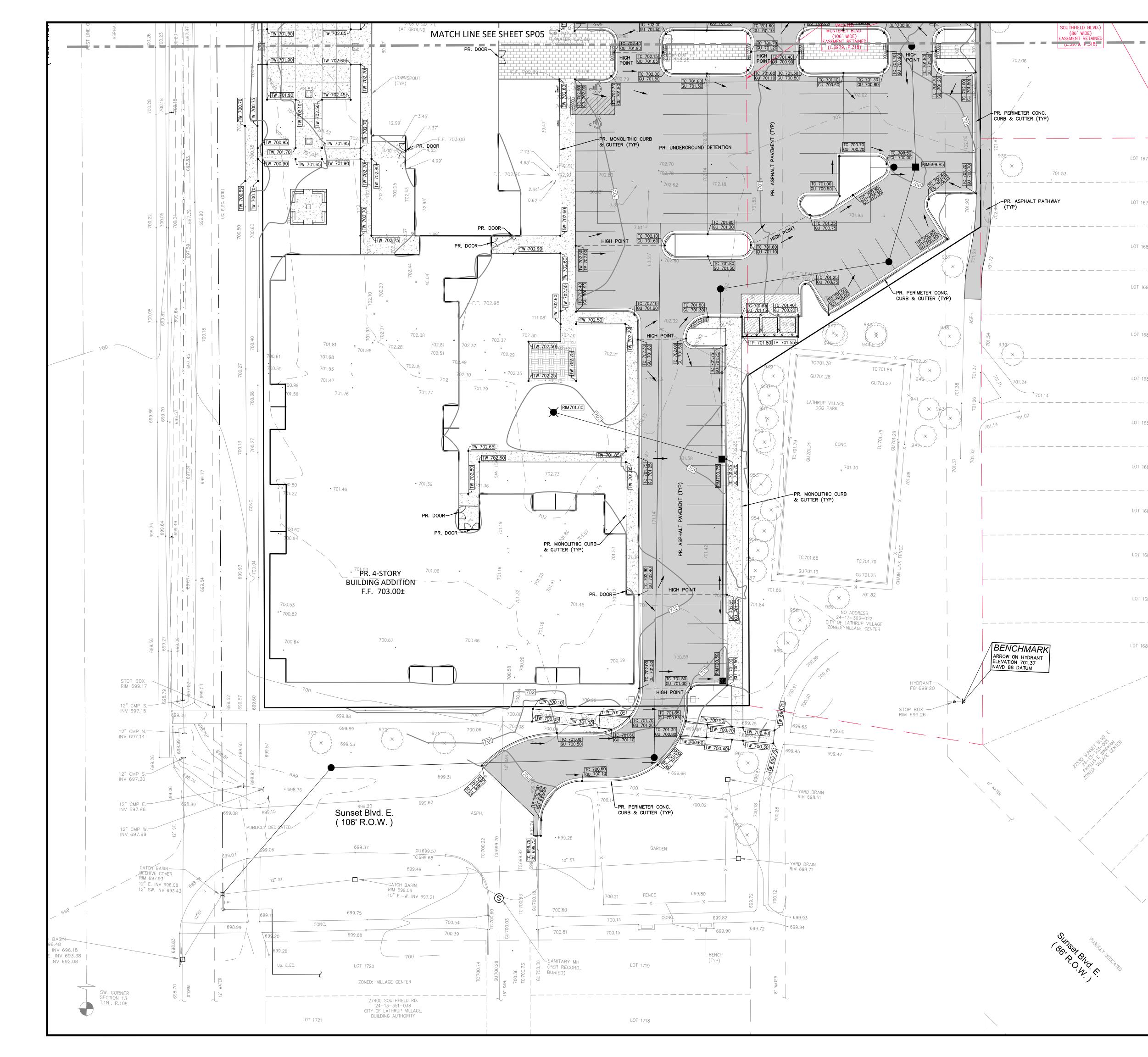


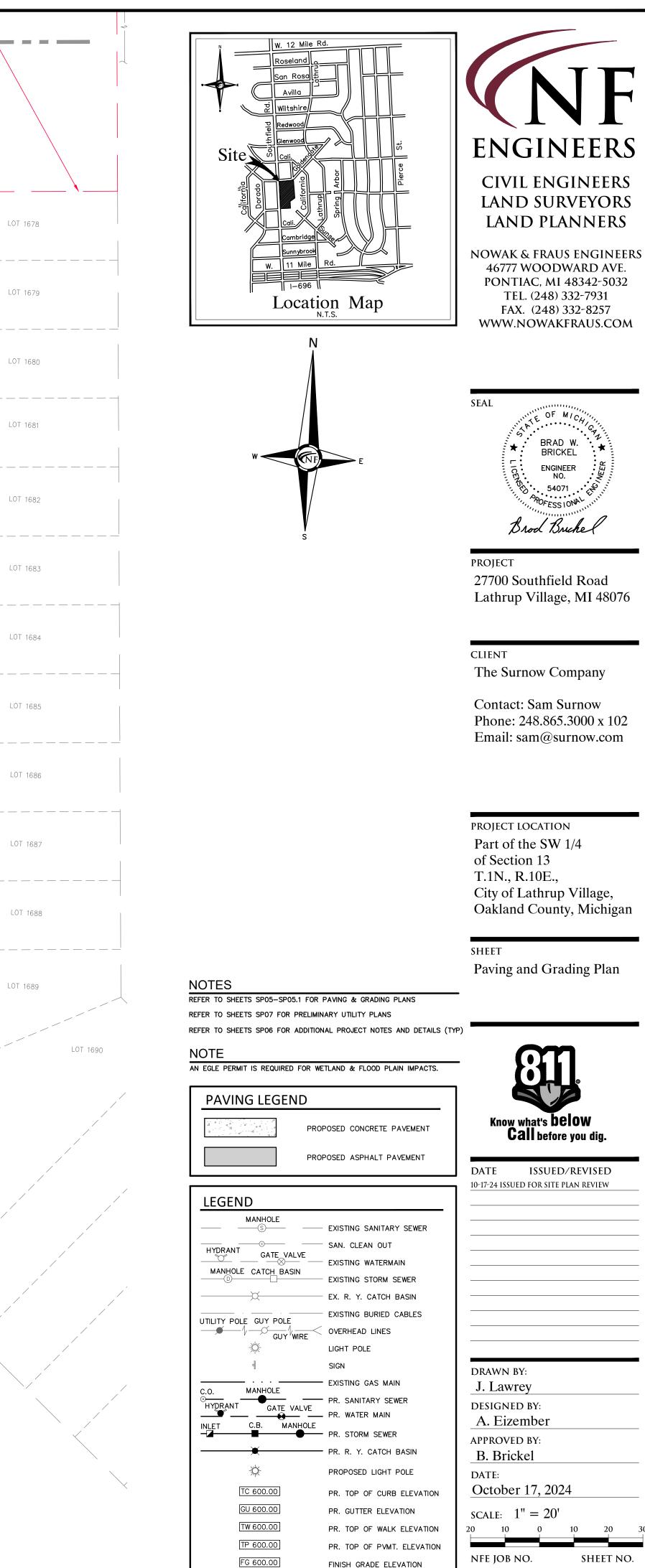
DATE ISSUED/REVISED 10-17-24 ISSUED FOR SITE PLAN REVIEW

NOTES REFER TO SHEETS SP05-SP05.1 FOR PAVING & GRADING PLANS REFER TO SHEETS SP07 FOR PRELIMINARY UTILITY PLANS REFER TO SHEETS SP06 FOR ADDITIONAL PROJECT NOTES AND DETAILS (TYP)

LEGEND			
	EXISTING SANITARY SEWER		
HYDRANT	SAN. CLEAN OUT		
	EXISTING WATERMAIN		
MANHOLE CATCH BASIN	EXISTING STORM SEWER	DRAWN BY:	
X	EX. R. Y. CATCH BASIN	J. Lawrey	
UTILITY POLE GUY POLE	EXISTING BURIED CABLES	DESIGNED BY:	
	OVERHEAD LINES	A. Eizember	
ж.	LIGHT POLE	APPROVED BY:	
۹	SIGN	B. Brickel	
 C.O. MANHOLE	EXISTING GAS MAIN	DATE:	
HYDRANT GATE VALVE	PR. SANITARY SEWER	October 17, 2024	
INLET C.B. MANHOLE	PR. WATER MAIN	SCALE: 1" = 40'	
	PR. STORM SEWER		0 40 60
<b>—</b>	PR. R. Y. CATCH BASIN		
بلا	PROPOSED LIGHT POLE	NFE JOB NO.	SHEET NO.
		0129	<b>SP04</b>





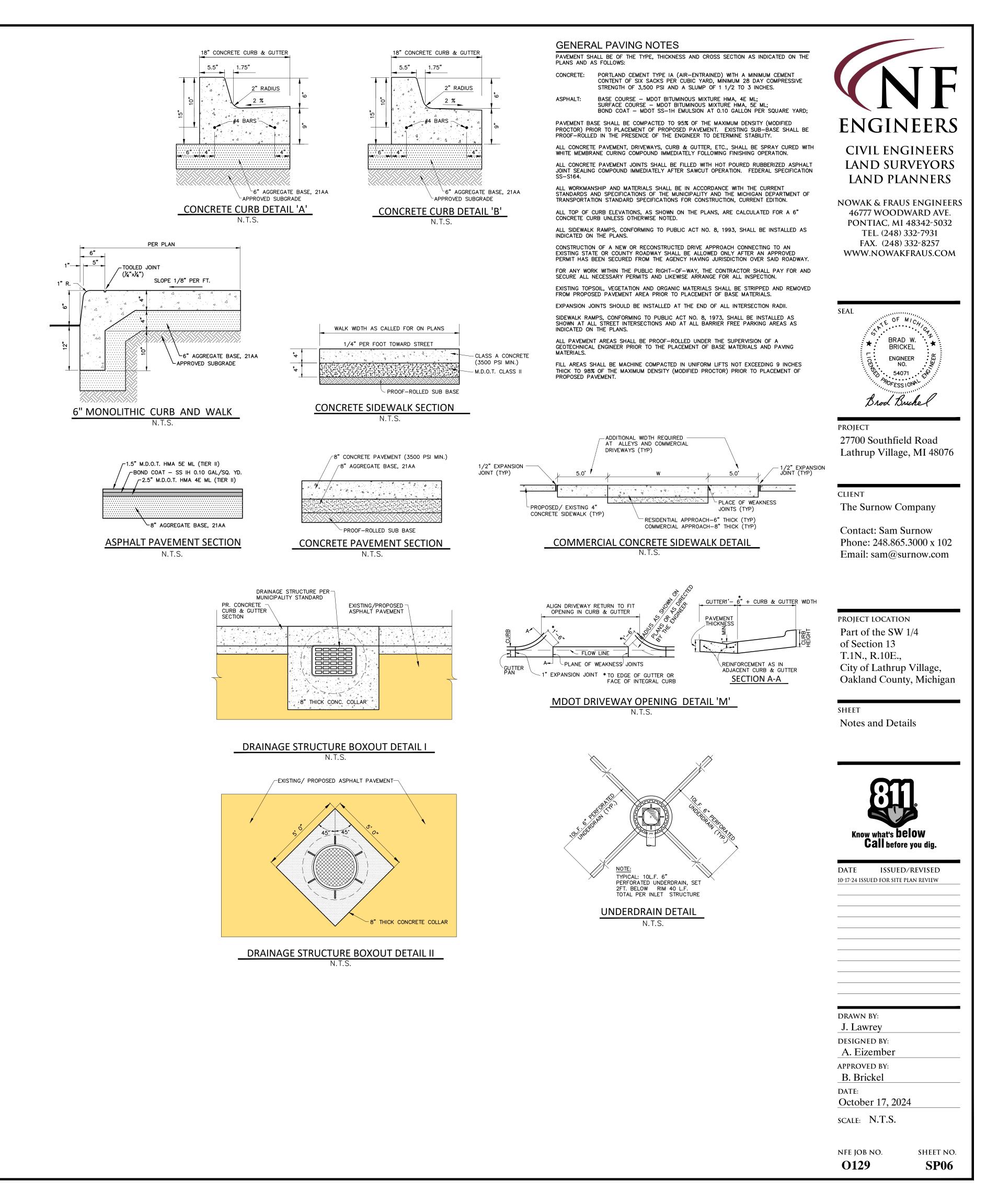


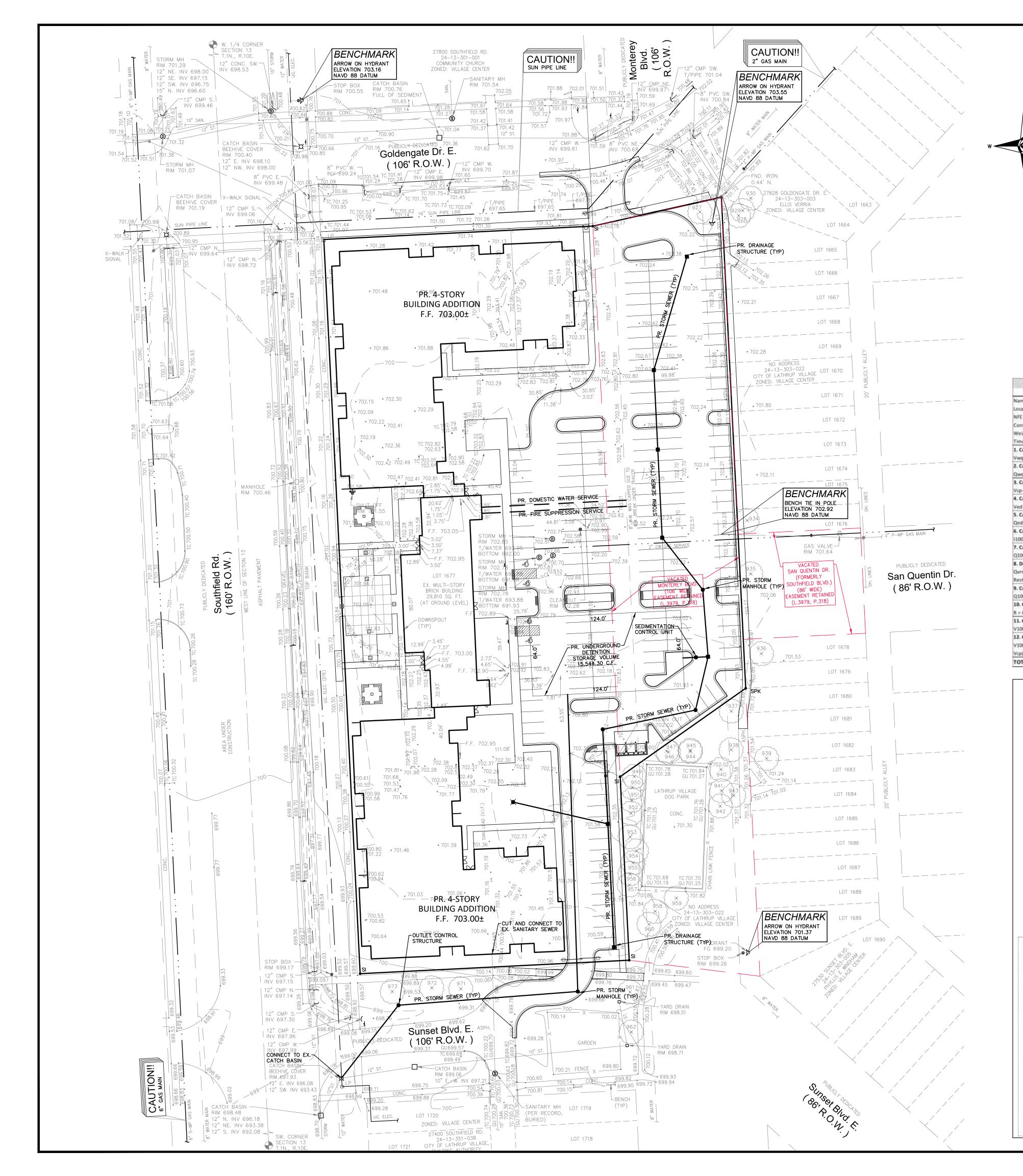
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FINISH GRADE ELEVATION

0129

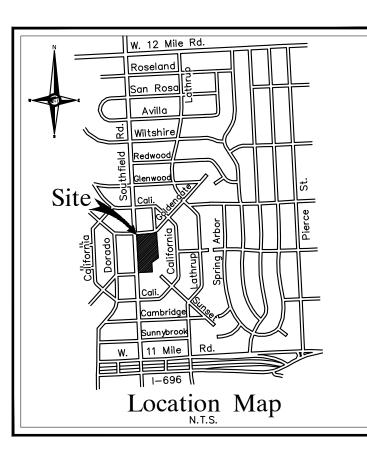
SP05.1





#### **REQUIRED DETENTION VOLUME CALCULATIONS** 100 Year Post-Development Detention Volume Name of Project: Location of Project: NFE Project No.: Contributing Acreage "A": Weighted Runoff Coefficient "C": Time of Concentration "Tc": 1. Calculate Required Water Quality Volume (Vwq) (1" Rainfall Event) Vwq = 3630(C)(A) 2. Calculate Required Water Quality Rate (Qwq) Qwq = (C)(A)30.20/(Tc+9.17)^.81 3. Calculate Required Channel Protection Volume (Vcp-r) (1.3" Rainfall Event) Vcp-r = 4719(C)(A) 4. Calculate Required Extended Detention Volume (Ved) (1.9" Rainfall Event) Ved = 6897(C)(A) 5. Calculate Extended Detention Outlet Rate (Qed) (48 hour discharge) Qed = Ved / [(48 hr)(60 min)(60 sec)] = Ved/172800 6. Calculate 100-year Rainfall Intensity (I100) (100 = 83.3/(Tc+9.17)^0.81)) 7. Calculate 100-year Storm Inlet Rate (Q100-in) Q100-in = (C)(I100)(A) 8. Determine the Variable Release Rate (Qvrr) Qvrr = 1.1055-(0.206\*LN(A)) estricted Outlet rate per local municipality 9. Calculate Allowable 100-year Storm Outlet Rate (Q100P) Q100p = {Qvrr}(A) 10. Calculate Storage Curve Factor (R) = 0.206-(0.15)(LN)Q100P 11. Calculate Required 100-year Storm Volume In (V100R) V100R = 18,985(C)(A) 12. Calculate 100-year Storm Detention Storage Volume (V100D) V100D = (V100R)(R)Vcp(credit) TOTAL DETENTION VOLUME REQUIRED:

	///_	DS
<u>User Inpu</u>	<u>ts</u>	
Chamber Model:	MC-3500	
Outlet Control Structure:	Yes	_
Project Name:		Inst
Engineer:	N/A	Sto
Project Location:		Nui
Measurement Type:	Imperial	Nu
Required Storage Volume:	15500 cubic ft.	Cha
Stone Porosity:	0%	Ma
Stone Foundation Depth:	9 in.	Ma
Stone Above Chambers:	12 in.	Арр
Design Constraint Dimensions:	(70 ft. x 130 ft.)	Ανε
		Am
		Vol
		Fill)
		Tot
		Wov
		Wo
		Rov
		Tota
		Imp
NAMESANDER VERSChlagen ALLENA OLIVER AND		
END CAP		(TRI HAN BE



1,225 ft

48 in

12.57 sft

15,394 cft

0.00 ft

0.00 ft

0.00 sft

-12.57 sft

-12.57 sft

0.00 sft

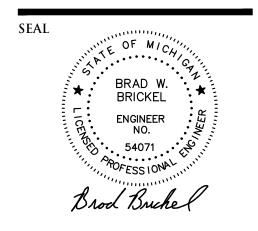
15,394 cft

0 cft

0 %



46777 WOODWARD AVE. PONTIAC, MI 48342-5032 TEL. (248) 332-7931 FAX. (248) 332-8257 WWW.NOWAKFRAUS.COM



#### PROJECT

27700 Southfield Road Lathrup Village, MI 48076

#### CLIENT

The Surnow Company

Contact: Sam Surnow Phone: 248.865.3000 x 102 Email: sam@surnow.com

#### PROJECT LOCATION

Part of the SW 1/4 of Section 13 T.1N., R.10E., City of Lathrup Village, Oakland County, Michigan

SHEET Utility Plan



**Call** before you dig.

ISSUED/REVISED 10-17-24 ISSUED FOR SITE PLAN REVIEW

DRAWN BY:		
J. Lawrey		
DESIGNED BY:		
A. Eizember		
APPROVED BY:		
B. Brickel		
DATE:		
October 17, 202	24	
SCALE: $1'' = 40'$		
40 20 0	20	40
NFE JOB NO.	SF	IEET NO
<b>O129</b>		<b>SP07</b>

Name	
Location	
9999-00	
4.07	ac
0.80	
10.00	min
11,819	cft
8.99	d's
15,365	cft
22,457	cft
0.13	cfs
7.62	in/hr
24.80	cfs
0.82	cfs/00
N/A	cfs/ac
3.32	da .
0.508	_
61,815	qt
31,371	
0	cft

- <u>Results</u> System Volume and Bed Size stalled Storage Volume: 15544.30 cubic ft. orage Volume Per Chamber: 109.90 cubic ft. umber Of Chambers Required: 139 umber Of End Caps Required: 18 hamber Rows: 124.55 ft. laximum Length: 64.35 ft. aximum Width: 7776.08 square ft. pprox. Bed Size Required: verage Cover Over Chambers: N/A. System Components mount Of Stone Required: 1009 cubic yards olume Of Excavation (Not Including 1585 cubic yards otal Non-woven Geotextile Required:2357 square yards Voven Geotextile Required (excluding117 square yards solator Row): Voven Geotextile Required (Isolator 139 square yards otal Woven Geotextile Required: 255 square yards pervious Liner Required: 0 square yards FINEL CONTACT IN CE 2020 INVESTIGATION TO IN S PROOF DISCOVER THE THE THEORY OF ACCEPTABLE FOLLOW THEORY DIVANEDNI CAVILI NE DESIGNES NI ACCENTIVACE WTV ACTIVITIZA "I'C NEDIVE PRACTICE FOR ITRUCTURIA, DESIGNOF THERMOPLA COMPLICATED WALL STORMANDER COLLECTION CAMINERY" AVAILABLE TO THE DESIGNED OF THE DESIGNED OF THE DESIGN DESIGNED OF THE DESIGN DESIGNED OF THE (Minniser Ma

C ORPTH OF \$1 DAY, TO BE DETURANED BY SITE DECIDA ENGINEER # (20 mm/mile - urbite and -----

CLEINER DECOR, INCREASE COVER TO JA-

#### NOTES

**PROVIDED DETENTION VOLUME CALCULATIONS** 

Circular Underground Detention System

PIPE STORAGE VOLUME

STONE TRENCH STORAGE VOLUME

Total Linear Feet of Proposed U.G. Detention Pipe

Proposed Porous Stone Trench Height (Above Pipe Invert)

Effective Storage Provided in Trench Backfill Cross-Section

Proposed Pipe Diameter

Proposed Pipe Cross-Sectional Area

Proposed Porous Stone Trench Width

Total Storage Provided in Pipe

Cross-Sectional Area of Trench

Subtract Pipe Cross-Sectional Area

Net Cross-Sectional Porous Stone Trench Area

Minimum Stone Trench Backfill Porosity (%)

Total Storage Provided in Porous Stone Trench

TOTAL U.G. DETENTION VOLUME PROVIDED

REFER TO SHEETS SP05-SP05.1 FOR PAVING & GRADING PLANS REFER TO SHEETS SP07 FOR PRELIMINARY UTILITY PLANS REFER TO SHEETS SP06 FOR ADDITIONAL PROJECT NOTES AND DETAILS (TYP)

UTILITY NOTE

CONTRACTOR TO EXPOSE FIBER. ELECTRIC/ TELEPHONE CONDUIT PRIOR TO COMMENCING CONSTRUCTION. UTILITY OWNER TO BE PRESENT. CONTRACTOR SHALL NOTIFY CIVIL ENGINEER OF RECORD FOLLOWING EXPOSURE TO COORDINATE.

#### UTILITY CROSSING NOTE

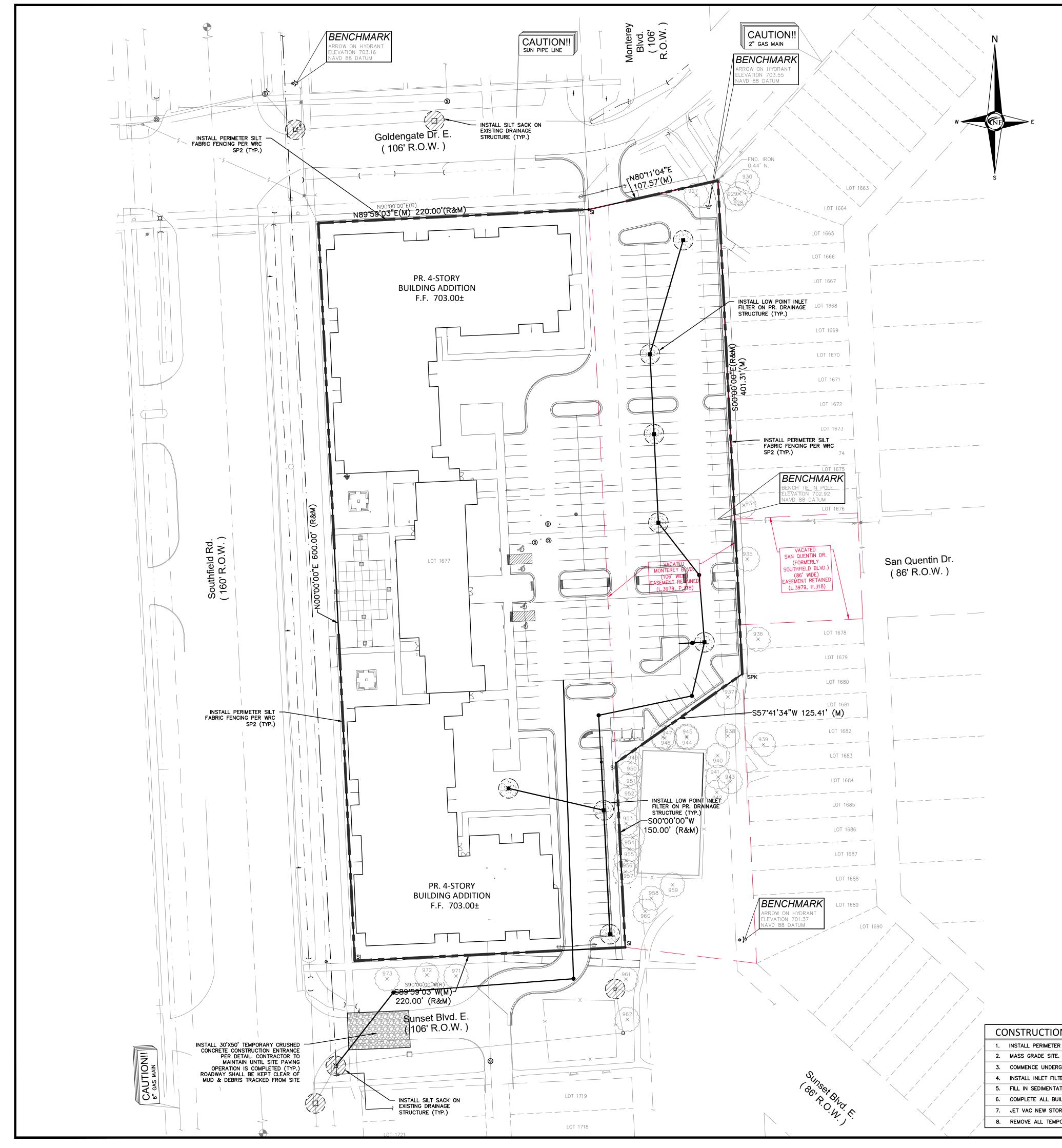
AT LOCATION WHERE THERE ARE CROSSING WITH EXISTING UTILITIES AND THEIR DEPTHS ARE UNKNOWN, 18" VERTICAL SEPARATION WILL BE MAINTAINED WHENEVER POSSIBLE. IF THE 18" SEPARATION IS NOT OBTAINABLE, A CONCRETE ENCASEMENT WILL BE INSTALLED AT THE CROSSING.

CONTRACTOR SHALL MAINTAIN A MINIMUM OF 18" VERTICAL CLEARANCE AND A MINIMUM OF 10' HORIZONTAL SEPARATION BETWEEN UTILITIES. WHERE 10' DATE SEPARATION CANNOT BE MAINTAINED, 18" VERTICAL CLEARANCE SHALL BE PROVIDED AND UTILITIES SHALL BE CONSTRUCTED IN SEPARATE TRENCHES.

AT LOCATION WHERE WATER MAIN CROSSES STORM, SANITARY, OR OTHER UTILITIES, CONTRACTOR SHALL PLACE A FULL 20' SEGMENT OF WATER MAIN PIPE CENTERED AT THE CROSSING. CLEARANCE BETWEEN PIPE SHALL NOT BE LESS THAN 18".

LEGEND	
	EXISTING SANITARY SEWER
HYDRANT	SAN. CLEAN OUT
	EXISTING WATER MAIN
MANHOLE CATCH BASIN	EXISTING STORM SEWER
X	EX. R. Y. CATCH BASIN
	EXISTING BURIED CABLES
	OVERHEAD LINES
<u>الله</u>	LIGHT POLE
q	SIGN
 C.O. MANHOLE	EXISTING GAS MAIN
	PR. SANITARY SEWER
INLET C.B. MANHOLE	PR. WATER MAIN
	PR. STORM SEWER
<b>—</b>	PR. R. Y. CATCH BASIN
	SAND BACKFILL (95 % DENSITY)
ж.	PROPOSED LIGHT POLE

CONTRACTOR SHALL FIELD VERIFY EXACT DEPTH OF EXISTING PIPE WHERE EXISTING CROSSES PROPOSED. CONTACT ENGINEER IF CONFLICT OCCURS.



ENTRANCE AS INDICATED ON THE PLANS. STORM SEWER FACILITIES.

IF INDICATED ON CONSTRUCTION PLANS, SEDIMENTATION BASINS, DETENTION POND, ETC., SHALL BE CONSTRUCTED PRIOR TO THE INSTALLATION OF ANY OTHER WORK. STRIP EXISTING TOPSOIL, VEGETATION AND ORGANIC MATTER FROM BUILDING PAD AND PARKING AREAS. COMMENCE LAND BALANCE AND MASS GRADING OPERATIONS. MAINTAIN A MINIMUM BUFFER OF 15' OF EXISTING VEGETATION WHEREVER POSSIBLE AROUND SITE PERIMETER. STOCK PILES SHOULD BE LOCATED AWAY FROM EXISTING DRAINAGE FACILITIES. EXCAVATE AND INSTALL UNDERGROUND UTILITIES. INSTALL PEASTONE INLET FILTERS AROUND ALL NEW STORM SEWER FACILITIES AS INDICATED ON THE PLANS. EXISTING AND PROPOSED STORM SEWER FACILITIES SHALL BE PROTECTED FROM EROSION AND SEDIMENT INFILTRATION AT ALL TIMES.

COMMENCE FINAL GRADING AND TRIMMING OPERATIONS. PREPARE SUBGRADE FOR INSTALLATION OF PROPOSED PAVEMENT. REQUIRED BY THE MUNICIPALITY. ONCE PERMANENT MEASURES ARE ESTABLISHED. SOIL EROSION CONTROL REQUIREMENTS OF THIS ORDINANCE. PRACTICABLE.

SOIL EROSION CONTROL MEASURES SHALL BE INSTALLED BETWEEN THE DISTURBED AREA AND ANY WATERCOURSES, INCLUDING RIVERS, STREAMS, CREEKS, LAKES, PONDS AND OTHER WATERCOURSES; WETLANDS; OR ROADWAYS ON OR NEAR THE SITE. SEDIMENT RESULTING FROM ACCELERATED SOIL EROSION SHALL BE REMOVES FROM RUNOFF WATER BEFORE THAT WATER LEAVES THE SITE. TEMPORARY AND PERMANENT SOIL EROSION CONTROL MEASURES DESIGNED AND CONSTRUCTED FOR THE CONVEYANCE OF WATER AROUND, THROUGH, OR AWAY FROM THE SITE SHALL BE DESIGNED TO LIMIT THE WATER FLOW TO A NON-EROSIVE VELOCITY.

PERMANENT SOIL EROSION CONTROL MEASURES. IF LAKES, PONDS, CREEKS, STREAMS, OR WETLANDS ARE LOCATED ON OR NEAR THE SITE, EROSION CONTROL MEASURES WHICH DIVERT RUNOFF AND TRAP SEDIMENT MUST BE PROVIDED AT STRATEGIC LOCATIONS. STRAW BALE BERMS MAY BE USED AS TEMPORARY STORMWATER DIVERSION STRUCTURES, BUT WILL NOT BE CONSIDERED SUFFICIENT FOR TRAPPING SEDIMENT. THE USE OF SEDIMENT BASINS, FILTER FABRIC, VEGETATED BUFFER STRIPS, AND ROCK FILTERS IN LIEU OF STRAW BALE BERMS SHALL BE STRONGLY ENCOURAGED. OTHER MEASURES MAY BE REQUIRED IF REASONABLY DETERMINED TO BE NECESSARY TO PROTECT A WATERCOURSE OR WETLAND.

TEMPORARY SOIL EROSION CONTROL MEASURES SHALL BE INSTALLED.

MEASURES ARE IMPLEMENTED. VEGETATED BUFFER STRIPS SHALL BE CREATED OR RETAINED ALONG THE EDGES OF ALL LAKES, PONDS, CREEKS, STREAMS, OTHER WATERCOURSES, OR WETLANDS. EROSION AND SEDIMENTATION CONTROL MEASURES SHALL RECEIVE REGULAR MAINTENANCE TO ASSURE PROPER FUNCTIONING.

ALL GRADING PLANS AND SPECIFICATIONS, INCLUDING EXTENSIONS OF PREVIOUSLY APPROVED PLANS, SHALL INCLUDE PROVISIONS FOR EROSION AND SEDIMENT CONTROL IN ACCORDANCE WITH, BUT NOT LIMITED TO, THE STANDARDS CONTAINED IN THE "STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL", PUBLISHED BY THE OAKLAND SOIL CONSERVATION DISTRICT.

## CONSTRUCTION SEQUENCE / TIMING S

INSTALL PERIMETER FILTER FABRIC FENCING AND STONE FIL

3. COMMENCE UNDERGROUND UTILITY WORK.

4. INSTALL INLET FILTERS ON PROPOSED DRAINAGE STRUCTURE

5. FILL IN SEDIMENTATION TRAPS AND PAVE SITE.

6. COMPLETE ALL BUILDINGS AND LANDSCAPE ACTIVITY.

7. JET VAC NEW STORM SEWER SYSTEM AS REQUIRED.

8. REMOVE ALL TEMPORARY SOIL EROSION MEASURES.

SOIL EROSION CONTROL - SEQUENCE OF OPERATION (NEW CONSTRUCTION) INSTALL CRUSHED CONCRETE ACCESS DRIVE AND TEMPORARY CULVERTS AT THE SITE

INSTALL SILT FENCE OR SIMILAR APPROVED SILT BARRIER ALONG PROPERTY LINES AND AROUND SENSITIVE NATURAL FEATURES AS INDICATED ON THE PLANS.

EXCAVATE A SHALLOW SWALE/DITCH AROUND PERIMETER OF SITE. GRADE THE TEMPORARY SWALE TO AN EXISTING DRAINAGE FACILITY. PLACE OUTLET FILTER IN EXISTING UPSTREAM

SEED AND MULCH ALL DISTURBED SITE AREAS AND INSTALLED SITE LANDSCAPING. REMOVE CONSTRUCTION DEBRIS AND JET VAC NEWLY INSTALLED STORM SEWER SYSTEM AS

REMOVE ALL REMAINING TEMPORARY SOIL EROSION AND SEDIMENTATION CONTROL MEASURES

WHENEVER POSSIBLE, THE SITE SHALL BE GRADED TO WITHIN SIX INCHES (6") OF THE PROPOSED FINISH GRADE PRIOR TO INSTALLATION OF UNDERGROUND FACILITIES.

STAGING OF PROPOSED WORK SHALL BE COMPLETED BY THE CONTRACTOR AS REQUIRED TO ENSURE PROGRESSIVE STABILIZATION OF DISTURBED AREAS.

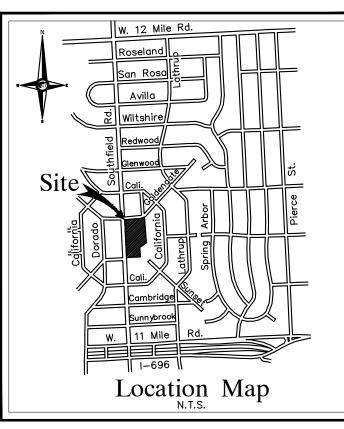
CUTTING, FILLING AND GRADING SHALL BE MINIMIZED AND THE NATURAL TOPOGRAPHY OF THE SITE SHALL BE PRESERVED TO THE MAXIMUM POSSIBLE EXTENT, EXCEPT WHERE SPECIFIC FINDINGS DEMONSTRATE THAT MAJOR ALTERATIONS WILL STILL MEET THE PURPOSES AND

DEVELOPMENT SHALL BE STAGED TO KEEP THE EXPOSED AREAS OF SOIL AS SMALL AS

TEMPORARY SOIL EROSION CONTROL MEASURES SHALL BE REMOVED AFTER PERMANENT SOIL EROSION CONTROL MEASURES HAVE BEEN IMPLEMENTED. ALL SITES SHALL BE STABILIZED WITH

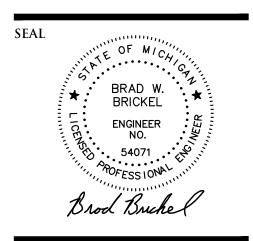
WHEN IT IS NOT POSSIBLE TO PERMANENTLY STABILIZE A DISTURBED AREA AFTER AN EARTH CHANGE HAS BEEN COMPLETED OR WHEN SIGNIFICANT EARTH CHANGE ACTIVITY CEASES,

PERMANENT EROSION CONTROL MEASURES FOR ALL SLOPES, CHANNELS, DITCHES, OR ANY DISTURBED LAND AREA SHALL BE COMPLETED WITHIN 15 (FIFTEEN) CALENDAR DAYS AFTER FINAL GRADING OR THE FINAL EARTH CHANGE HAS BEEN COMPLETED. ALL TEMPORARY SOIL EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL PERMANENT SOIL EROSION CONTROL





TEL. (248) 332-7931 FAX. (248) 332-8257 WWW.NOWAKFRAUS.COM



PROJECT

27700 Southfield Road Lathrup Village, MI 48076

CLIENT

The Surnow Company

Contact: Sam Surnow Phone: 248.865.3000 x 102 Email: sam@surnow.com

#### PROJECT LOCATION

Part of the SW 1/4 of Section 13 T.1N., R.10E., City of Lathrup Village, Oakland County, Michigan

SHEET Soil Erosion Plan



Call before you dig.

DATE ISSUED/REVISED 10-17-24 ISSUED FOR SITE PLAN REVIEW

UNITS L.F. EA.			-
EA.	DRAWN BY: J. Lawrey		_
	DESIGNED BY: A. Eizember		_
NGE	APPROVED BY: B. Brickel		_
	DATE: October 17, 2024		_
	SCALE: $1'' = 40'$	20 40	60
	NFE JOB NO.	SHEET NO.	

#### LEGAL DESCRIPTION -PER TITLE COMMITMENT

LAND SITUATED IN THE CITY OF LATHRUP VILLAGE, COUNTY OF OAKLAND, STATE OF MICHIGAN, DESCRIBED AS FOLLOWS:

LOT 1677 AND VACATED SOUTHFIELD SQUARE, FORMERLY KNOWN AS MONTEREY STREET LYING EASTERLY OF LOT 1677 AND WESTERLY OF LOTS 1665 TO 1689, EXCEPT THAT PART OF VACATED SOUTHFIELD SQUARE LYING SOUTH OF A LINE DRAWN BETWEEN THE NORTHWEST CORNER OF OF LOT 1680 AND A POINT 150 FEET FROM THE SOUTHEAST CORNER OF LOT 1677, ALONG THE EASTERLY BOUNDARY OF SAID LOT 1677, LOUISE LATHRUP'S CALIFORNIA BUNGALOW SUBDIVISION NO. 3, AS RECORDED IN LIBER 32 OF PLATS, PAGE 26, OAKLAND COUNTY RECORDS.

TAX ID NUMBER: 24-13-303-021

ADDRESS: 27700 SOUTHFIELD ROAD, LATHRUP VILLAGE, MI 48076

#### NOTES

REFER TO THE WRC SOIL EROSION AND SEDIMENTATION CONTROL DETAIL SHEET FOR ALL ADDITIONAL NOTES & DETAILS (TYP) A DISTANCE OF ±4,000 FEET TO THE NEAREST BODY OF WATER: ROUGE RIVER.

THE TOTAL AREA OF EARTH DISRUPTION IS 4.066 ACRES. THE SOIL EROSION CONTROLS WILL BE MAINTAINED WEEKLY AND

AFTER EVERY STORM EVENT BY CONTRACTOR. A SOIL EROSION PERMIT IS REQUIRED FROM OAKLAND COUNTY WATER RESOURCES COMMISSIONER.

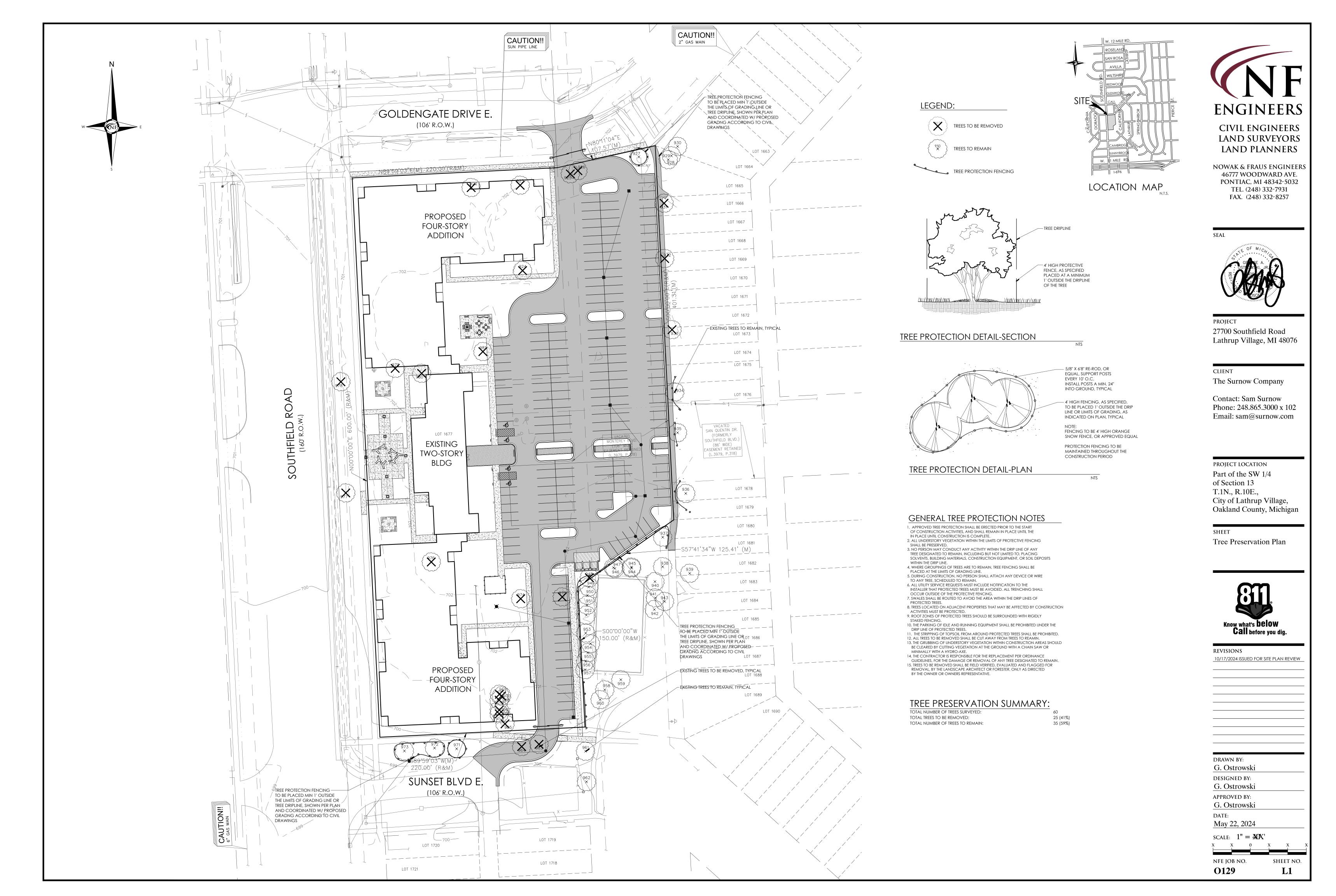
#### SOIL DATA

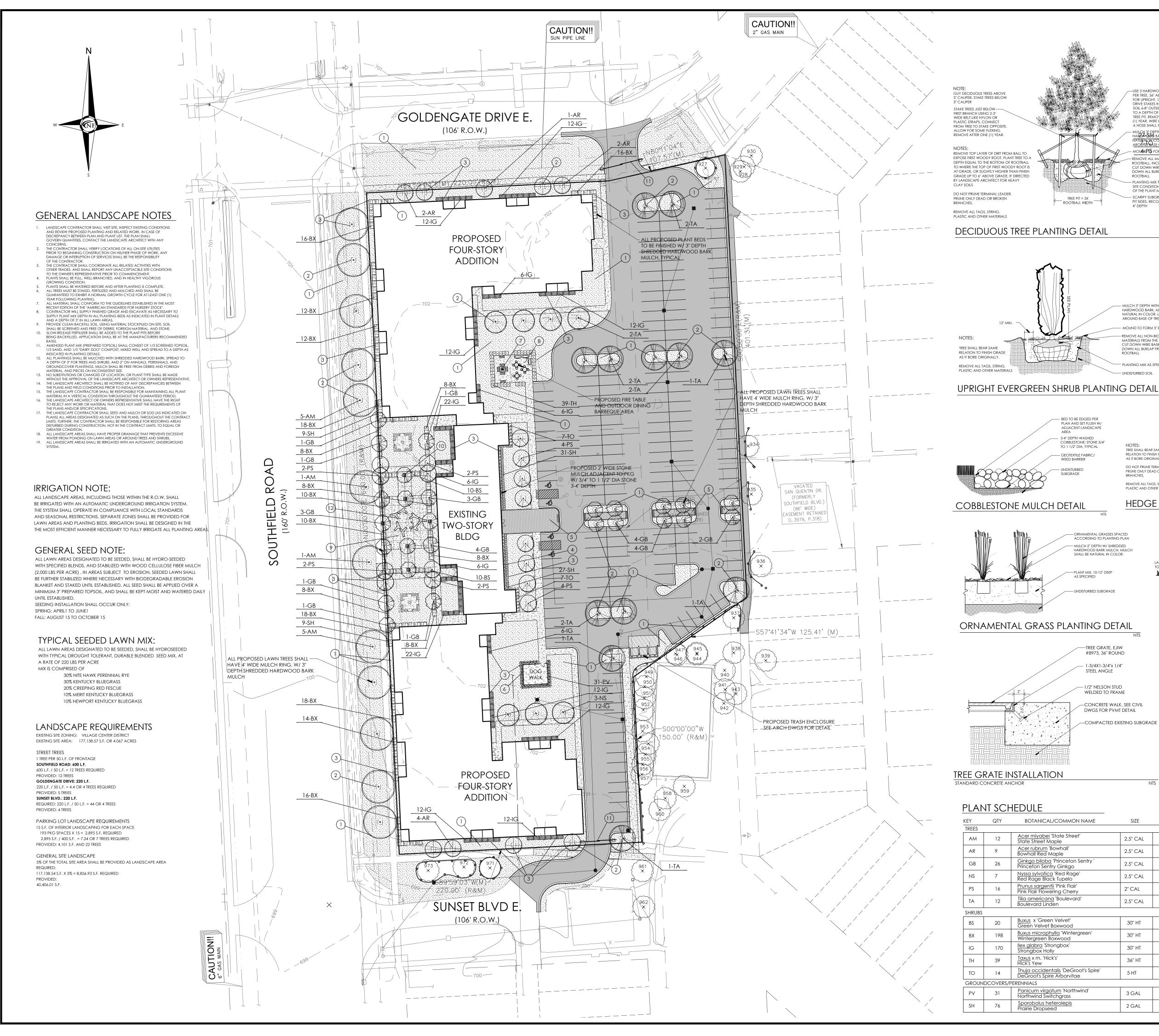
THIS SITE CONSISTS OF URBAN LAND-BLOUNT-LENAWEE COMPLEX, 0 TO 3 PERCENT SLOPES; UDORTHENTS AND UDIPSAMMENTS, NEARLY LEVEL TO HILLY; BASED ON DATA PROVIDED BY THE UNITED STATES DEPARTMENT OF AGRICULTURE, NATURAL RESOURCES CONSERVATION SERVICE.

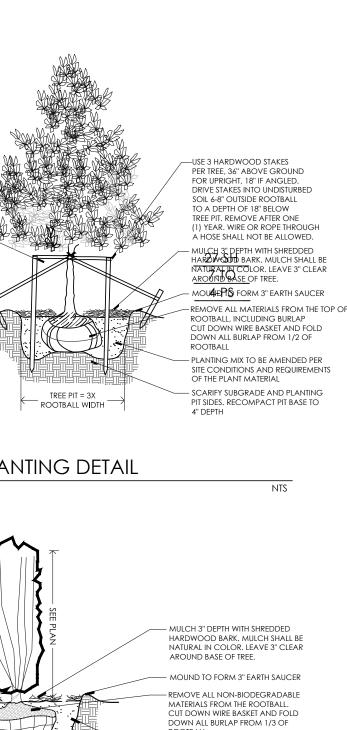
#### ESTIMATED QUANTITIES

SOIL EROSION		
DESCRIPTION	QUANTITY	UNITS
SILT FABRIC FENCING INLET FILTER SILT SACK OR EQUAL	1,695 8 5	L.F. EA. EA.
LEGEND		
	- INDICATES LIMITS OF SIL FABRIC FENCE	_T
	INDICATES LIMITS OF DE DISTRICT AREA	RAINAGE
	INDICATES LIMITS OF SC DISRUPTION	DIL
Ì	INDICATES LOW POINT II FILTER OR PROPOSED DRAINAGE STRUCTURE	NLET
$\bigcirc$	INDICATES SILT SACK O EQUAL ON EXISTING. DRAINAGE STRUCTURE	R
AREA A 0.00 ACRE C=0.95	INDICATES DRAINAGE DISTRICT AREA	

CHEDULE	
TER WHERE REQUIRED.	MARCH 2025
	MARCH 2025
	MAY 2025
ES.	MAY 2025
	JULY 2025
	JULY 2025
	NOVEMBER 2025
	NOVEMBER 2025



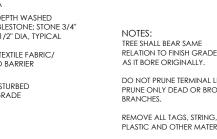






ROOTBALL

	BED TO BE EDGED PER PLAN AND SET FLUSH W/ ADJACENT LANDSCAPE AREA
	3-4" DEPTH WASHED COBBLESTONE; STONE 3/4" TO 1 1/2" DIA, TYPICAL
	GEOTEXTILE FABRIC/ WEED BARRIER
5	undisturbed subgrade



## DO NOT PRUNE TERMINAL LEADER PRUNE ONLY DEAD OR BROKEN PLASTIC AND OTHER MATERIALS HEDGE PLANTING DETAIL

LAWN ADJACENT

to plant bed

	- ORNAMENTAL GRASSES SPACED ACCORDING TO PLANTING PLAN
	- MULCH 2" DEPTH W/ SHREDDED HARDWOOD BARK MULCH. MULCH SHALL BE NATURAL IN COLOR.
	- PLANT MIX, 10-12" DEEP AS SPECIFIED
·	- UNDISTURBED SUBGRADE

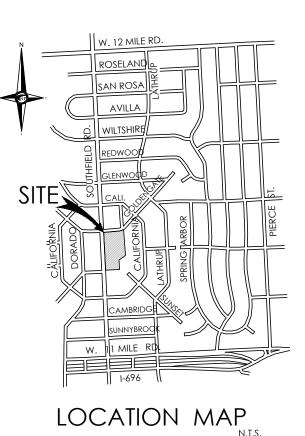
	-TREE GRATE, EJIW #8973, 36" ROUN
_	1-3/4X1-3/4''x 1/4' Steel angle

1/2" NELSON STUD WELDED TO FRAME

#### -CONCRETE WALK. SEE CIVIL DWGS FOR PVMT DETAIL



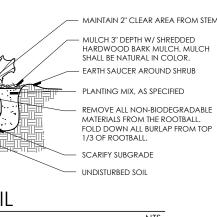
SIZE	SPACING	ROOT	COMMENT
2.5" CAL	SEE PLAN	B&B	FULLY BRANCHED HEADS
2.5" CAL	SEE PLAN	B&B	FULLY BRANCHED HEADS
2.5" CAL	SEE PLAN	B&B	FULLY BRANCHED HEADS
2.5" CAL	SEE PLAN	B&B	FULLY BRANCHED HEADS
2" CAL	SEE PLAN	B&B	FULLY BRANCHED HEADS
2.5" CAL	SEE PLAN	B&B	FULLY BRANCHED HEADS
	•		
30'' HT	30'' OC	B&B	MAINTAIN AS HEDGE
30" HT	30'' OC	B&B	MAINTAIN AS HEDGE
30" HT	30'' OC	B&B	MAINTAIN AS HEDGE
36" HT	30 OC	B&B	WELL-ROOTED
5 HT	3' OC	B&B	WELL-ROOTED
3 GAL	30'' OC	CONT	WELL-ROOTED
2 GAL	24" OC	CONT	WELL-ROOTED
	2.5" CAL 2.5" CAL 2.5" CAL 2.5" CAL 2" CAL 2" CAL 2" CAL 30" HT 30" HT 30" HT 36" HT 5 HT 3 GAL	2.5" CAL   SEE PLAN     2" CAL   SEE PLAN     2" CAL   SEE PLAN     30" HT   30" OC     30" HT   30" OC     30" HT   30" OC     30" HT   30" OC     30" HT   30 OC     36" HT   30 OC     36" HT   30 OC     36 HT   30 OC	2.5" CAL   SEE PLAN   B&B     2" CAL   SEE PLAN   B&B     2.5" CAL   SEE PLAN   B&B     30" HT   30" OC   B&B     30" HT   30" OC   B&B     30" HT   30 OC   B&B     36" HT   30 OC   B&B     36" HT   30 OC   B&B     36 GAL   30" OC   CONT

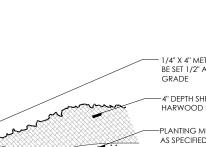


## KEY LEGEND

(1) TYPICAL SEED LAWN AREAS, SOWN ON 3" TOPSOIL

- (2) 4' WIDE SPADE CUT EDGE W/ 3" SHREDDED BARK MULCH
- (3) 3" DEPTH DOUBLE SHREDDED HARDWOOD BARK MULCH
- (4) 3/4" 1 1/2" STONE MULCH, 3-4" DEPTH ON WEED BARRIER
- (5) PROPOSED DECORATIVE PAVING
- (6) PROPOSED 4' HT DECORATIVE METAL FENCE
- (7) PROPOSED NG FIRE TABLE, WITH SEATING
- (8) OUTDOOR DINING AREA WITH TABLES AND GRILLS
- (9) OUTDOOR COMMUNITY SCULPTURE PARK
- (10) PROPOSED 3' SQUARE TREE GRATE (6 TOTAL)
- (11) PROPOSED SECURITY GATE
- (12) PROPOSED TWIG BENCH BY LANDSCAPE FORMS (7 TOTAL)





SPACED PER MANUFACTURERS SPECIFICATIONS

## METAL EDGING DETAIL

 1/4" X 4" METAL EDGING TO BE SET 1/2" ABOVE FINISH GRADE -4" DEPTH SHREDDED HARWOOD BARK MULCH AS SPECIFIED 4" DEPTH X 9" WIDE EXCAVATED TRENCH TO BE BACKFILLED WIT - 18" GALVANIZED METAL STAKE

Part of the SW 1/4 of Section 13 T.1N., R.10E., City of Lathrup Village, Oakland County, Michigan

SHEET Landscape Plan



**ENGINEERS** 

**CIVIL ENGINEERS** 

LAND SURVEYORS

LAND PLANNERS

NOWAK & FRAUS ENGINEERS

46777 WOODWARD AVE.

PONTIAC, MI 48342-5032

TEL. (248) 332-7931

FAX. (248) 332-8257

SEAL

PROJECT

CLIENT

27700 Southfield Road

The Surnow Company

Contact: Sam Surnow

PROJECT LOCATION

Phone: 248.865.3000 x 102

Email: sam@surnow.com

Lathrup Village, MI 48076

REVISIONS

10/17/2024 ISSUED FOR SITE PLAN REVIEW

DRAWN BY:			
G. Ostrowski			
<b>DESIGNED BY:</b>			
G. Ostrowski			
APPROVED BY:			
G. Ostrowski			
DATE:			
May 22, 2024			
SCALE: 1" = 40'			
40 20 0	20	40	60
NFE JOB NO.	SI	HEET N	О.
<b>O129</b>		L2	

**PROPOSED BUILDING ADDITION FOR:** 

#### CONDITIONS OF WORK

CONSTRUCTION COORDINATION:

1. ALL CONTRACTORS SHALL REVIEW ALL DRAWINGS & ARE RESPONSIBLE FOR A COMPLETE REVIEW & SITE VISIT. ITEMS AFFECTING ALL TRADES ARE PLACED THROUGHOUT SET & NO "EXTRAS" FOR MISSED ITEMS IN OTHER SECTIONS WILL BE PERMITTED. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY ARCHITECT OF ANY AMBIGUITY, INCONSISTENCY OR ERRORS WHICH THEY DISCOVER UPON EXAMINATION OF DOCUMENTS, THE SITE OR LOCAL CONDITIONS.

2. ANY CONTRACTOR OR SUBCONTRACTOR BY SUBMITTING A BID WARRANT'S THAT HE HAS VISITED THE SITE AND IS AWARE OF ANY AND ALL SITE CONDITIONS AFFECTING HIS BID.

3. THE CONTRACTOR BY COMMENCING WORK ACCEPTS THE CONDITIONS OF THE SITE & THE COMPLETENESS OF CONTRACT DOCUMENTS.

4. FIELD VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPANCIES IMMEDIATELY TO THE ARCHITECT. DO NOT SCALE DRAWINGS USE FIGURED DIMENSIONS ONLY.

5. ANY MATERIAL OR LABOR NEITHER SHOWN ON THE DRAWINGS NOR SPECIFIED, BUT WHICH IS OBVIOUSLY NECESSARY TO COMPLETE THE WORK IN A WORKMANLIKE MANNER SHALL BE FURNISHED WITHOUT COST TO THE OWNER.

6. ALL MATERIALS FURNISHED AND INSTALLED BY THE GENERAL CONTRACTOR SHALL BE FREE FROM DEFECTS. ALL WORK SHALL BE GUARANTEED FOR A PERIOD OF (1) YEAR FROM DATE OF ACCEPTANCE OF WORK. DURING THIS PERIOD THE GENERAL CONTRACTOR SHALL CORRECT ANY PROBLEMS DUE TO DEFECTIVE MATERIALS OR FAULTY WORKMANSHIP AT NO COST TO THE OWNER. ANY PROBLEM THAT OCCURS DURING CONSTRUCTION SHALL IMMEDIATELY BE CORRECTED TO THE SATISFACTION OF THE OWNER.

7. NO SUBSTITUTIONS OF SPECIFIED MATERIAL OR EQUIPMENT WILL BE ACCEPTED UNLESS WRITTEN REQUEST FOR APPROVAL HAS BEEN RECEIVED BY THE ARCHITECT AND CONTRACTOR HAS RECEIVED WRITTEN APPROVAL FROM ARCHITECT.

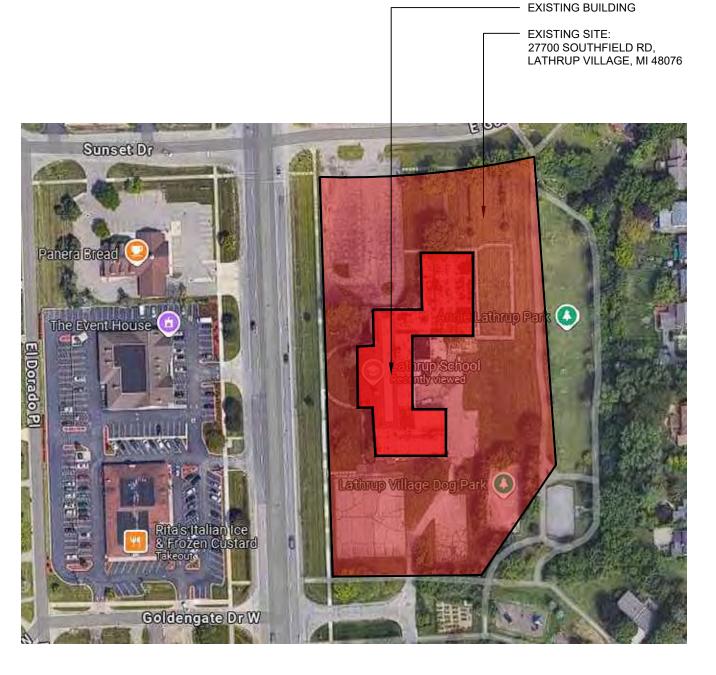
8. DURING AND AT THE COMPLETION OF THE CONTRACTOR'S DAILY WORK, CONTRACTOR IS RESPONSIBLE FOR THE CLEANING UP AND REMOVAL OF ALL RUBBISH AND DEBRIS BEFORE LEAVING THE PROJECT JOB SITE.

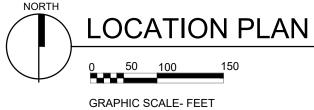
PERMITS & SAFETY:

OWNER/LANDLORD.

VANDALISM.

LOCATIONS.





## 27700 SOUTHFIELD ROAD, LATHRUP VILLAGE

1. GENERAL CONTRACTOR SHALL APPLY & SUBMIT FOR BUILDING PERMIT

2. GENERAL CONTRACTOR SHALL OBTAIN "ALL RISK" INSURANCE AND ALL CUSTOMARY STATUTORY INSURANCE FOR COMPREHENSIVE GENERAL LIABILITY, ETC. AS REQUIRED BY

3. GENERAL CONTRACTOR SHALL PROVIDE ADEQUATE PROTECTION OF WORK, MATERIALS, FIXTURES, ETC. IN LEASED SPACE FROM LOSS OR DAMAGE FROM FIRE, THEFT OR

4. ALL WORK SHALL BE DONE IN COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA). THE FOLLOWING ARE STRICTLY PROHIBITED WORK PRACTICES. A. ANY COMBUSTIBLE MATERIALS ABOVE FINISHED CEILING OR IN ANY NON-SPRINKLED

B. IMPOSING ANY STRUCTURAL LOAD, TEMPORARY OR PERMANENT ON ANY PART OF THE LANDLORD'S WORK OR STRUCTURE WITHOUT PRIOR WRITTEN APPROVAL.

C. CUTTING ANY HOLES IN LANDLORD'S EXISTING FLOOR SLABS, WALLS OR ROOF WITHOUT PROPER APPROVAL'S PROPER APPROVALS FROM LANDLORD. BEFORE STARTING ANY UNDERSLAB WORK CONTRACTORS MUST CHECK WITH THE LANDLORD OR SUPERINTENDENT OF THE LANDLORD'S GENERAL CONTRACTOR TO DETERMINE IF ANY COMMON UTILITY OR OTHER TENANT UTILITY LINES EXIST WITHIN THE SPACE.

CODE COMPLIANCE:

1. WORK INDICATED IS TO BE EXECUTED IN ACCORDANCE WITH THE LATEST EDITIONS OF ALL APPLICABLE CODES.

2. FIRE EXTINGUISHERS SHALL BE PROVIDED BY G.C. AND INSTALLED PER THE FIRE MARSHALL'S INSTRUCTIONS.

3. ALL WALL FINISHES TO MEET CLASS III FLAME SPREAD RATINGS IN ACCORDANCE WITH MBC-2015 CHAPTER 8.

4. INTERIOR FINISHES IN EXIT ACCESS CORRIDORS, OTHER EXIT WAYS, ROOMS, AND ENCLOSED SPACES IN USE GROUPS "B" AND "S" IN SPRINKLED BUILDINGS ARE REQUIRED TO HAVE AT LEAST A CLASS C: FLAME SPREAD 76-200; SMOKE DEVELOPED 0-450; RATING AS LISTED IN THE 2015 MICHIGAN BUILDING CODE.

5. SAFETY GLAZING MUST HAVE PERMANENT IDENTIFICATION IN ACCORDANCE WITH THE 2015 MICHIGAN BUILDING CODE.

6. ALL REQUIREMENTS OF THE MICHIGAN BARRIER FREE ACT & THE AMERICAN'S WITH DISABILITIES ACT SHALL BE MAINTAINED TO COMPLY WITH ICC/A117.1-2009.

7. ALL OFFICE FURNITURE & EQUIPMENT TO BE PROVIDED BY TENANT- SHOWN FOR LAYOUT PURPOSES ONLY. TO COMPLY WITH ADA-ICC/A117.1-2009 (TYP.) REQUIREMENTS, A MINIMUM OF 5%, BUT NOT LESS THAN (1) OF THE LUNCHROOM TABLES AND EMPLOYEE WORKSTATIONS (CUBICLES) SHALL BE ACCESSIBLE. ACCESSIBLE TABLE AND WORKSTATION TOPS SHALL BE 28" MIN. TO 34" MAX. A.F.F. KNEE AND TOE CLEARANCES AS FOLLOWS SHALL ALSO APPLY- TOE: 4" MIN. HIGH, 17" MIN. TO 25" MAX. DEPTH, AND 30" MIN. WIDE. KNEE: 27" MIN. HIGH, 11" DEEP @ 9" HIGH TO 8" DEEP @ 27" HIGH, AND 30" MIN. WIDE.

8. ALL ENTRANCE AND EXIT DOORS SHALL HAVE BARRIER FREE ACCESSIBILITY TO COMPLY WITH ICC/A117.1-2009. 9. TO COMPLY WITH ADA - ICC/A117.1-2009 (TYP.) REQUIREMENTS, CHANGES IN LEVEL GREATER THAN 1/2" SHALL BE RAMPED AND CHANGES IN LEVEL BETWEEN 1/4" AND 1/2" SHALL BE BEVELED A MAXIMUM OF 1:2.

10. ALL LUNCHROOM APPLIANCES TO BE PROVIDED BY TENANT. TO COMPLY WITH ADA-ICC/A117.1-2009 (TYP.) REQUIREMENTS, DISHWASHERS MUST FIT UNDER A 34" HIGH (32 1/4" CLEAR UNDER) COUNTERTOP, THE REFRIGERATOR MUST BE A SIDE-BY-SIDE OR BOTTOM FREEZER UNIT, AND ALL MICROWAVE CONTROLS TO BE NO HIGHER THAN 46" A.F.F. TO MEET OBSTRUCTED HIGH SIDE REACH REQUIREMENTS.

11. SIGNAGE INDICATING ACCESSIBILITY PROVISIONS SHALL BE PROVIDED AT EACH DOOR TO AN EXIT DISCHARGE. A TACTILE SIGN STATING EXIT AND COMPLYING WITH ICC/ANSI A117.1-2009 SHALL BE PLACED ADJACENT TO THE DOOR. PLEASE REFER TO SHEET A. 601 FOR ADDITIONAL INFORMATION AND LOCATION.

## SHEET INDEX

PROJECT ADDRESS	T.101	TITLE SHEET
27700 Southfield Road Lathrup Village, Michigan 48076	A.101 A.102 A.103	FIRST AND SECOND FLOOR PLANS THIRD AND FOURTH FLOOR PLANS ENLARGED COMMON AREA FLOOR P
Zoned: VC Village Center	A.201 A.202	EXTERIOR ELEVATIONS EXTERIOR ELEVATIONS
APPLICANT INFORMATION	A.202 A.203	EXTERIOR ELEVATIONS
Akiva Investments LLC 320 Martin St, Suite 100 Birmingham, MI 48009 e. Sam@Surnow.com p. 248.877.4000	A.301 A.302 A.303 A.304 A.305 L.201	EXTERIOR RENDERINGS EXTERIOR RENDERINGS INTERIOR RENDERINGS INTERIOR RENDERINGS SITE PHOTOMETRIC STUDY



## 320 MARTIN ST. LL 10 BIRMINGHAM MI 48009 248.554.9500

Consultants

Project data

GOVERNING CODES:

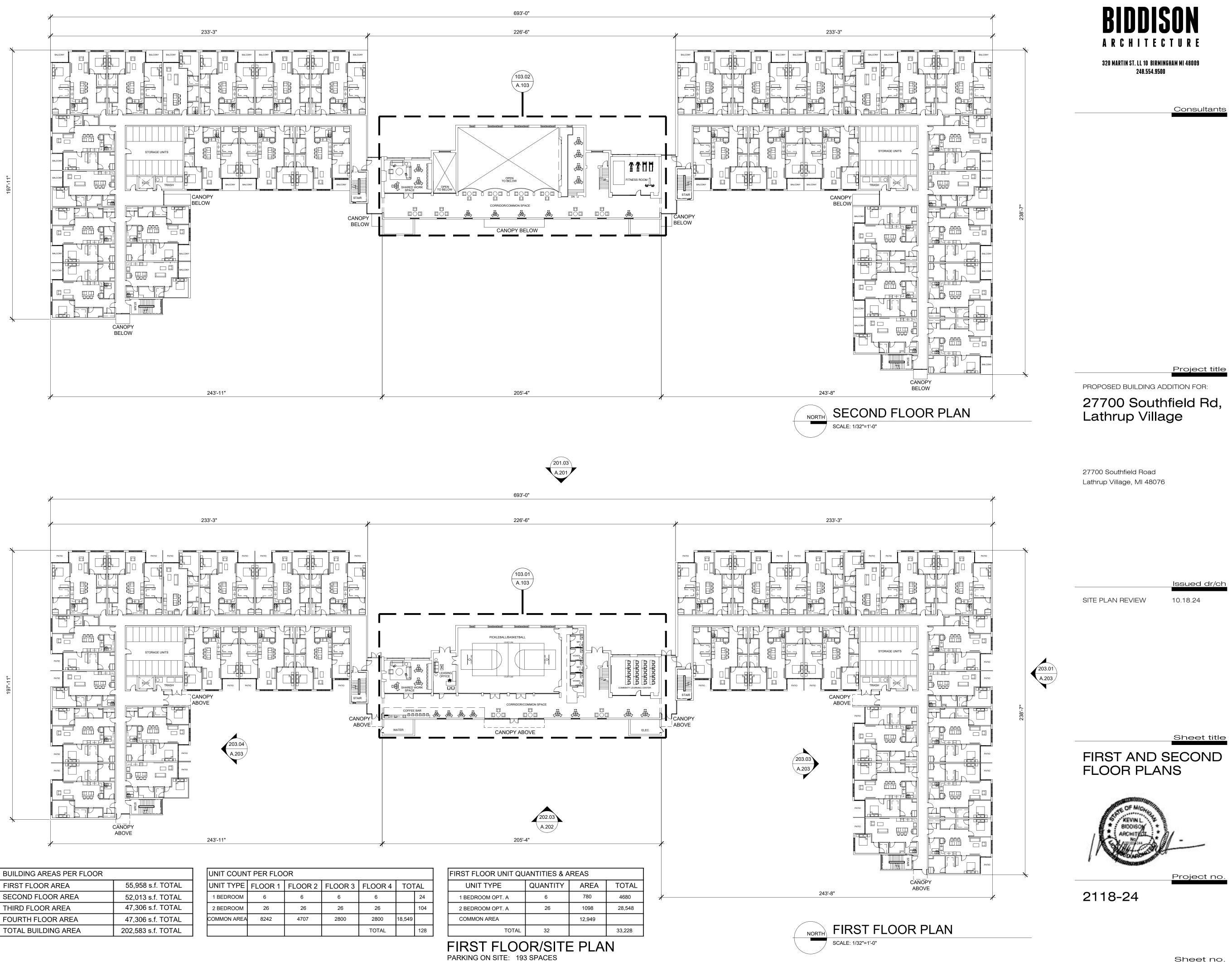
2015 MICHIGAN BUILDING CODE 2021 MICHIGAN PLUMBING CODE 2021 MICHIGAN MECHANICAL CODE 2015 MICHIGAN REHABILITATION CODE 2015 INTERNATIONAL FUEL GAS CODE MICHIGAN ELECTRICAL CODE, 2017 N.E.C. W/ PART 8 STATE AMENDMENTS ICC/ANSI A117.1-2015 AND MICHIGAN BARRIER FREE DESIGN LAW OF PUBLIC ACT 1 OF 1966 AS AMENDED. MICHIGAN UNIFORM ENERGY CODE RULES PART 10 WITH ANSI/ASHRAE/IESNA STANDARD 90.1-2015 2015 INTERNATIONAL FIRE CODE NFPA 13 - 2010 NFPA 72 - 2010

BUILDING USE GROUP(S): RESIDENTIAL

Issued for SITE PLAN REVIEW 10.18.24 Project no. 2118-24

PLANS

Sheet no. T.101



	ι
55,958 s.f. TOTAL	ι
52,013 s.f. TOTAL	
47,306 s.f. TOTAL	
47,306 s.f. TOTAL	с
202,583 s.f. TOTAL	
	52,013 s.f. TOTAL 47,306 s.f. TOTAL 47,306 s.f. TOTAL

203.02 A.203

TOTAL PARKING TO MEET CITY REQMTS .: 1.5 PER UNIT= 192 SPACES

Sheet no.





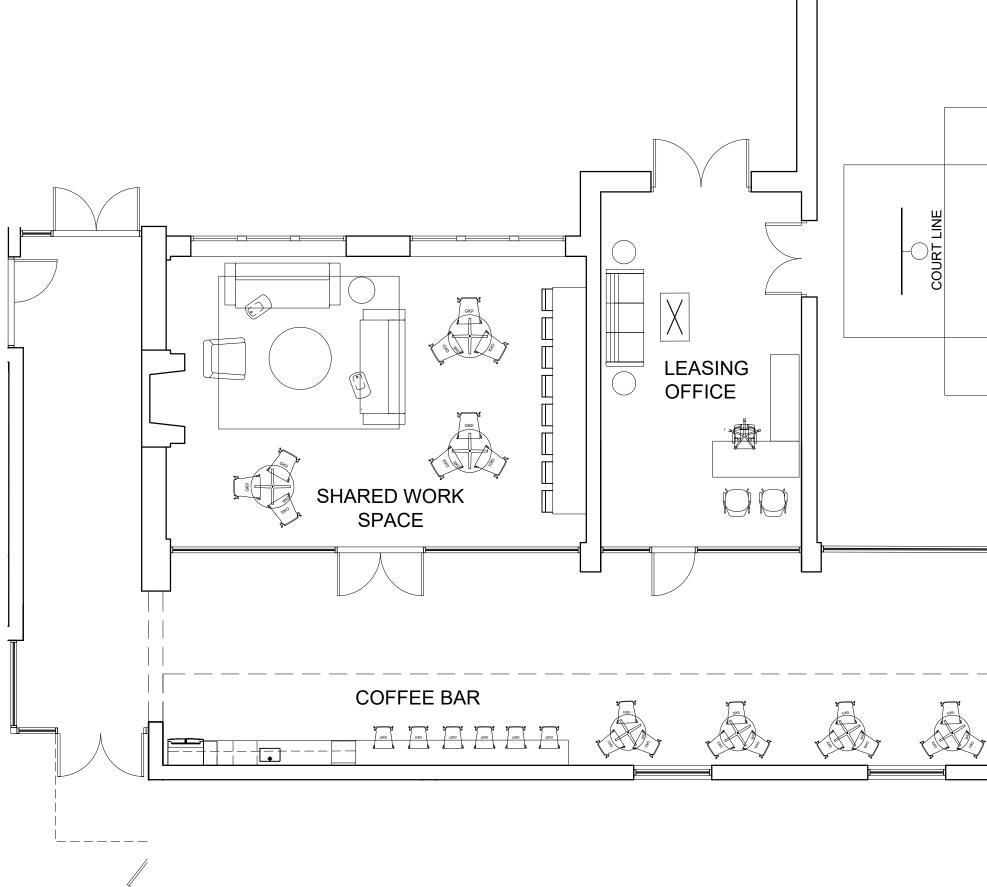
	l
55,958 s.f. TOTAL	ι
52,013 s.f. TOTAL	
47,306 s.f. TOTAL	
47,306 s.f. TOTAL	с
202,583 s.f. TOTAL	
	52,013 s.f. TOTAL 47,306 s.f. TOTAL 47,306 s.f. TOTAL

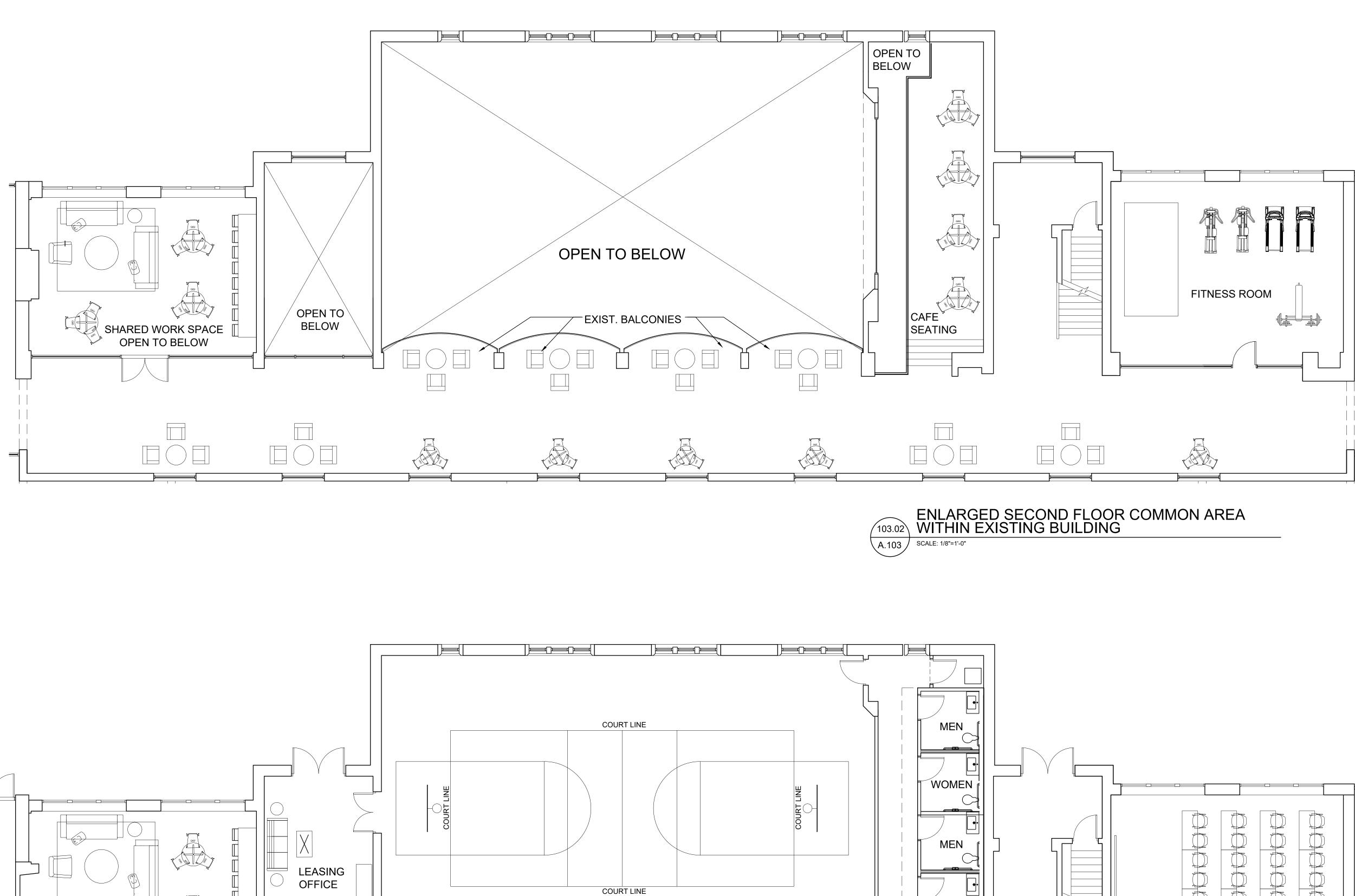


FIRST FLOOR/SITE PLAN PARKING ON SITE: 193 SPACES

TOTAL PARKING TO MEET CITY REQMTS .: 1.5 PER UNIT= 192 SPACES

Sheet no.





PICKLEBALL/EXISTING BASKETBALL

CORRIDOR/COMMON SPACE r 3.

WOMEN — CAFE SEATING ABOVE GIGI 3

103.01

(A.103

SCALE: 1/8"=1'-0"



320 MARTIN ST. LL 10 BIRMINGHAM MI 48009 248.554.9500

Consultants

Project title

PROPOSED BUILDING ADDITION FOR:

## 27700 Southfield Rd, Lathrup Village

27700 Southfield Road Lathrup Village, MI 48076

SITE PLAN REVIEW

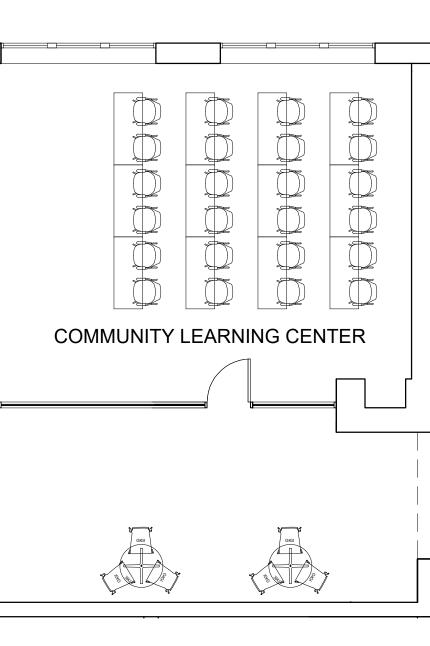
Issued dr/ch

Sheet no.

10.18.24



2118-24



ENLARGED FIRST FLOOR COMMON AREA WITHIN EXISTING BUILDING







BLACK METAL PANEL AT
FIRST FLOOR WINDOW AND
DOOR HEADERS -TYP.

201.01 ∖A.201 /

SCALE: 3/32"=1'-0"

#### FF



320 MARTIN ST. LL 10 BIRMINGHAM MI 48009 248.554.9500

Consultants

#### Project title

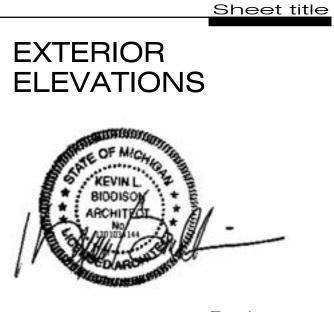
PROPOSED BUILDING ADDITION FOR:

## 27700 Southfield Rd, Lathrup Village

27700 Southfield Road Lathrup Village, MI 48076

SITE PLAN REVIEW

#### Issued dr/ch 10.18.24

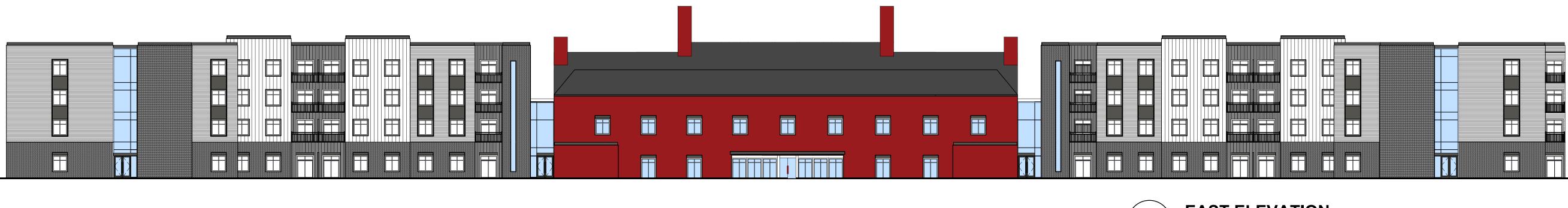


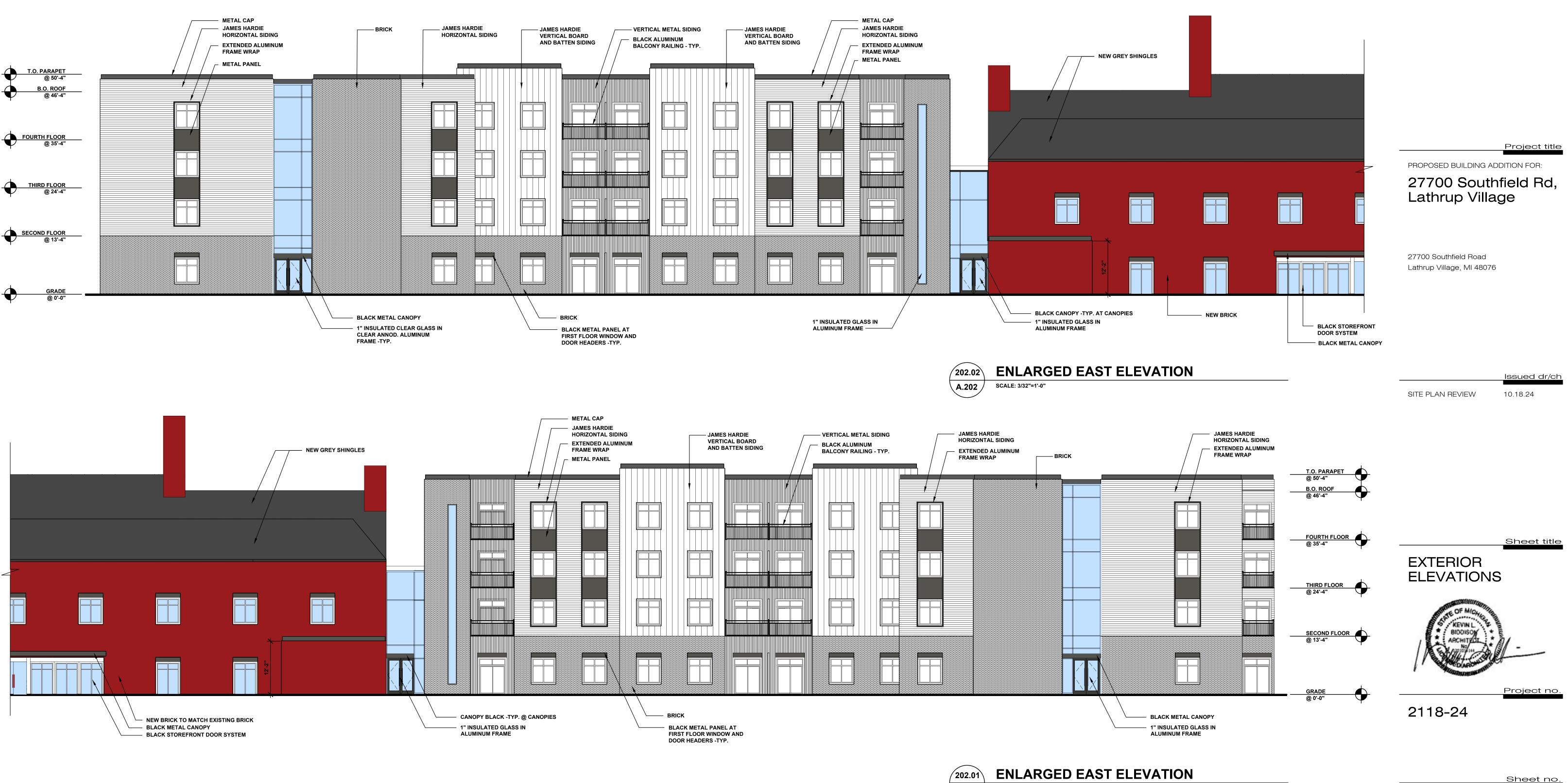
2118-24

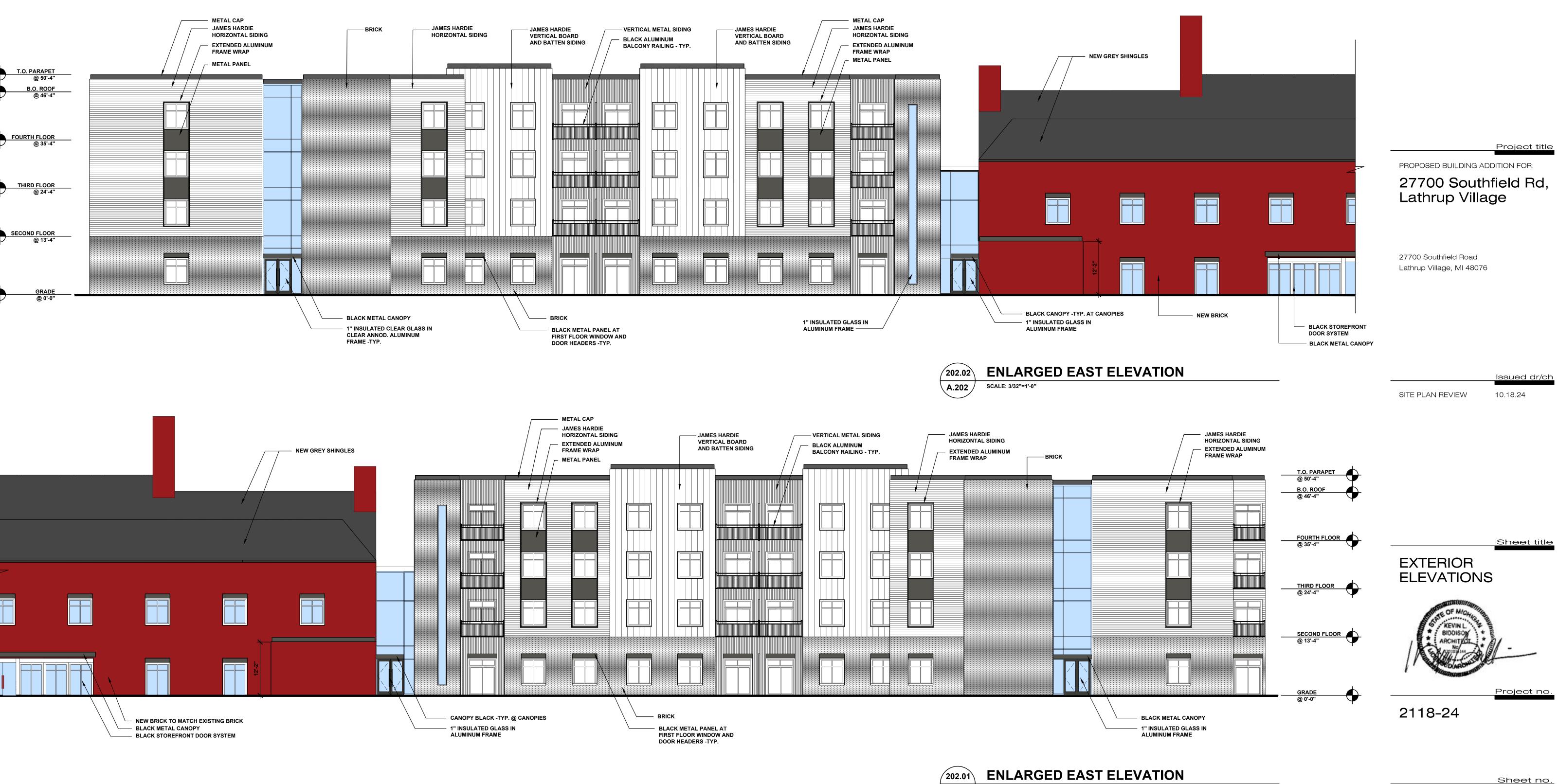
Project no.

## **ENLARGED WEST ELEVATION**

A.201







202.03 NOT TO SCALE **∖**A.202

**A.202** SCALE: 3/32"=1'-0"

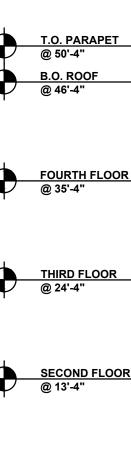
## EAST ELEVATION



Consultants







203.01 **A.203** 

SCALE: 3/32"=1'-0"



320 MARTIN ST. LL 10 BIRMINGHAM MI 48009 248.554.9500

Consultants

#### Project title

PROPOSED BUILDING ADDITION FOR:

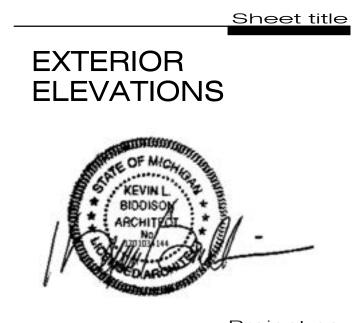
## 27700 Southfield Rd, Lathrup Village

27700 Southfield Road Lathrup Village, MI 48076

SITE PLAN REVIEW

## Issued dr/ch

10.18.24



2118-24

Project no.

Sheet no.

