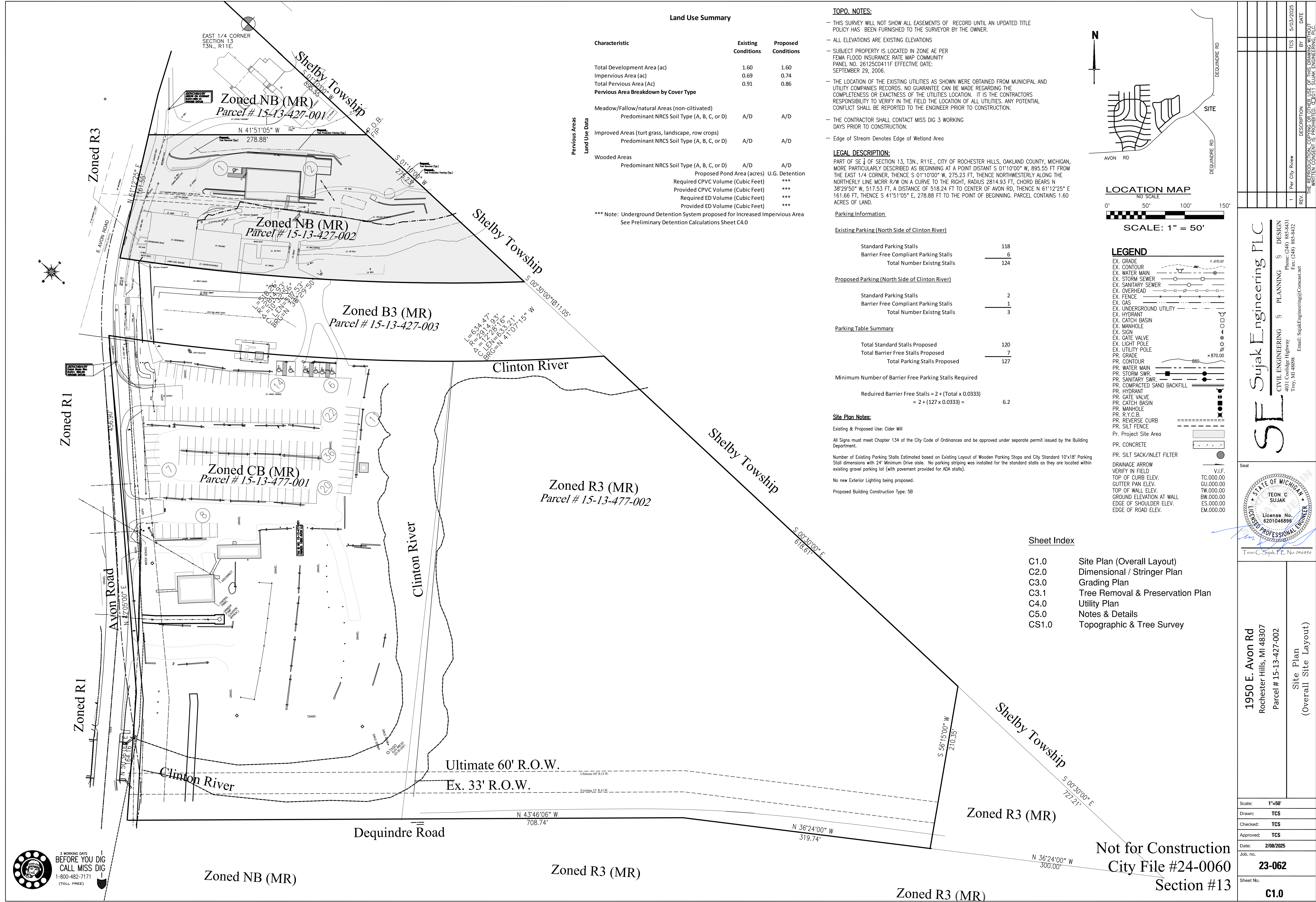




Land Use Summary

Characteristic	Existing Conditions	Proposed Conditions
Total Development Area (ac)	1.60	1.60
Impervious Area (ac)	0.69	0.74
Total Pervious Area (Ac)	0.91	0.86
Pervious Area Breakdown by Cover Type		
Meadow/Fallow/natural Areas (non-cultivated)		
Predominant NRCS Soil Type (A, B, C, or D)	A/D	A/D
Improved Areas (turf grass, landscape, row crops)		
Predominant NRCS Soil Type (A, B, C, or D)	A/D	A/D
Wooded Areas		
Predominant NRCS Soil Type (A, B, C, or D)	A/D	A/D
Proposed Pond Area (acres)		U.G. Detention
Required CPVC Volume (Cubic Feet)		***
Provided CPVC Volume (Cubic Feet)		***
Required ED Volume (Cubic Feet)		***
Provided ED Volume (Cubic Feet)		***
*** Note: Underground Detention System proposed for Increased Impervious Area See Preliminary Detention Calculations Sheet C4.0		

TOPO. NOTES:

- THIS SURVEY WILL NOT SHOW ALL EASEMENTS OF RECORD UNTIL AN UPDATED TITLE POLICY HAS BEEN FURNISHED TO THE SURVEYOR BY THE OWNER.
- ALL ELEVATIONS ARE EXISTING ELEVATIONS
- SUBJECT PROPERTY IS LOCATED IN ZONE AE PER FEMA FLOOD INSURANCE RATE MAP COMMUNITY PANEL NO. 26125C0411F EFFECTIVE DATE: SEPTEMBER 29, 2006.
- THE LOCATION OF THE EXISTING UTILITIES AS SHOWN WERE OBTAINED FROM MUNICIPAL AND UTILITY COMPANIES RECORDS. NO GUARANTEE CAN BE MADE REGARDING THE COMPLETENESS OR EXACTNESS OF THE UTILITIES LOCATION. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY IN THE FIELD THE LOCATION OF ALL UTILITIES. ANY POTENTIAL CONFLICT SHALL BE REPORTED TO THE ENGINEER PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL CONTACT MISS DIG 3 WORKING DAYS PRIOR TO CONSTRUCTION.
- Edge of Stream Denotes Edge of Wetland Area

LEGAL DESCRIPTION:

PART OF SE 1/4 OF SECTION 13, T3N., R11E., CITY OF ROCHESTER HILLS, OAKLAND COUNTY, MICHIGAN, MORE PARTICULARLY DESCRIBED AS BEGINNING AT A POINT DISTANT S 01°10'00" W, 895.55 FT FROM THE EAST 1/4 CORNER, THENCE S 01°10'00" W, 275.23 FT, THENCE NORTHWESTERLY ALONG THE NORTHERLY LINE MCRR R/W ON A CURVE TO THE RIGHT, RADIUS 2814.93 FT, CHORD BEARS N 38°29'50" W, 517.53 FT, A DISTANCE OF 518.24 FT TO CENTER OF AVON RD, THENCE N 61°12'25" E 161.66 FT, THENCE S 41°51'05" E, 278.88 FT TO THE POINT OF BEGINNING. PARCEL CONTAINS 1.60 ACRES OF LAND.

Parking Information

Existing Parking (North Side of Clinton River)

Standard Parking Stalls	118
Barrier Free Compliant Parking Stalls	6
Total Number Existing Stalls	124

Proposed Parking (North Side of Clinton River)

Standard Parking Stalls	2
Barrier Free Compliant Parking Stalls	1
Total Number Existing Stalls	3

Parking Table Summary

Total Standard Stalls Proposed	120
Total Barrier Free Stalls Proposed	7
Total Parking Stalls Proposed	127

Minimum Number of Barrier Free Parking Stalls Required

$$\begin{aligned} \text{Reduced Barrier Free Stalls} &= 2 + (\text{Total} \times 0.0333) \\ &= 2 + (127 \times 0.0333) = 6.2 \end{aligned}$$

Site Plan Notes:

Existing & Proposed Use: Cider Mill

All Signs must meet Chapter 134 of the City Code of Ordinances and be approved under separate permit issued by the Building Department.

Number of Existing Parking Stalls Estimated based on Existing Layout of Wooden Parking Stops and City Standard 10'x18' Parking Stall dimensions with 24" Minimum Drive aisle. No parking striping was installed for the standard stalls as they are located within existing gravel parking lot (with pavement provided for ADA stalls).

No new Exterior Lighting being proposed.

Proposed Building Construction Type: 5B



LOCATION MAP



LEGEND

- EX. GRADE
- EX. CONTOUR
- EX. WATER MAIN
- EX. STORM SEWER
- EX. SANITARY SEWER
- EX. OVERHEAD
- EX. FENCE
- EX. GAS
- EX. UNDERGROUND UTILITY
- EX. HYDRANT
- EX. CATCH BASIN
- EX. MANHOLE
- EX. SIGN
- EX. GATE VALVE
- EX. LIGHT POLE
- PR. UTILITY POLE
- PR. GRADE
- PR. CONTOUR
- PR. WATER MAIN
- PR. STORM SWR
- PR. SANITARY SWR
- PR. COMPACTED SAND BACKFILL
- PR. HYDRANT
- PR. GATE VALVE
- PR. CATCH BASIN
- PR. MANHOLE
- PR. R.Y.C.B.
- PR. REVERSE CURB
- PR. SILT FENCE
- Pr. Project Site Area
- PR. CONCRETE
- PR. SILT SACK/INLET FILTER
- DRAINAGE ARROW
- VERIFY IN FIELD
- TOP OF CURB ELEV.
- GUTTER PAN ELEV.
- TOP OF WALL ELEV.
- GROUND ELEVATION AT WALL
- EDGE OF SHOULDER ELEV.
- EDGE OF ROAD ELEV.

Sheet Index

C1.0	Site Plan (Overall Layout)
C2.0	Dimensional / Stringer Plan
C3.0	Grading Plan
C3.1	Tree Removal & Preservation Plan
C4.0	Utility Plan
C5.0	Notes & Details
CS1.0	Topographic & Tree Survey

Scale: 1"=50'

Drawn: TCS

Checked: TCS

Approved: TCS

Date: 2/08/2025

Job. no. 23-062

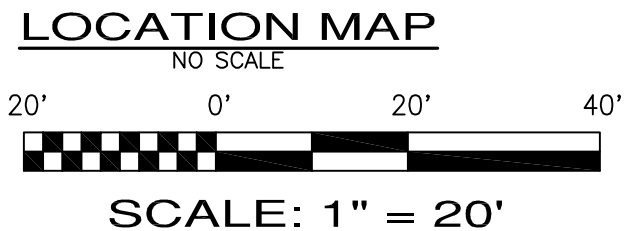
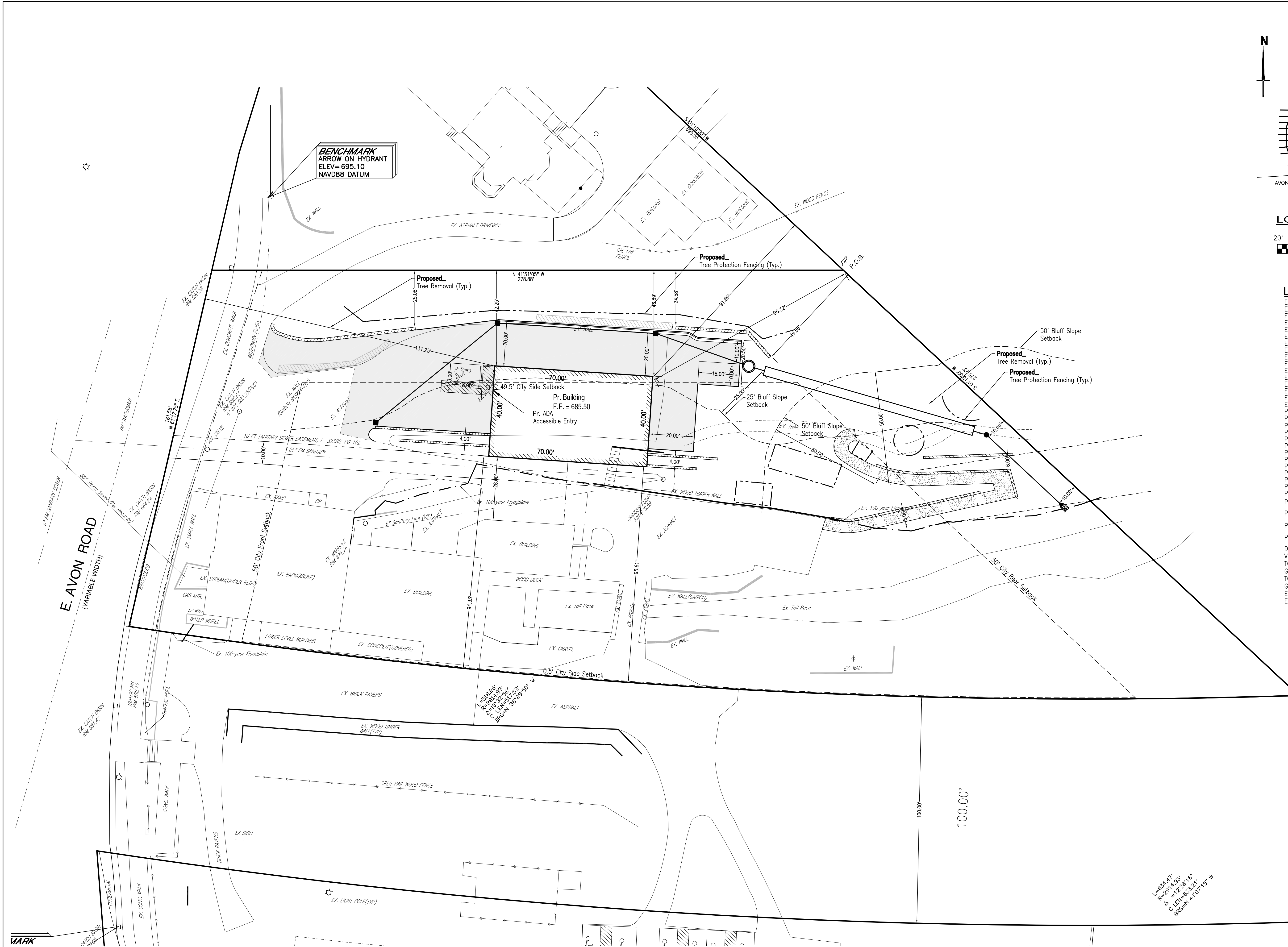
Sheet No. C1.0

1550 E. Avon Rd
Rochester Hills, MI 48307
Parcel # 15-13-427-002

Site Plan
(Overall Site Layout)

SE Sujak Engineering PLC
CIVIL ENGINEERING \$ PLANNING \$ DESIGN \$
4031 Coolidge Highway
Troy, MI 48068
Phone: (248) 885-8431
Fax: (248) 885-8432
Email: SujakEngineering@Comcast.net

Seal
STATE OF MICHIGAN
TEON C SUJAK
LICENSED PROFESSIONAL ENGINEER
License No. 6201046896
Teon C. Sujak, P.E. No. 046896



- LEGEND**
- EX. GRADE
 - EX. CONTOUR
 - EX. WATER MAIN
 - EX. STORM SEWER
 - EX. SANITARY SEWER
 - EX. OVERHEAD
 - EX. FENCE
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 - PR. Pavement
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 - TOP OF CURB ELEV.
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 - TOP OF WALL ELEV.
 - GROUND ELEVATION AT WALL
 - EDGE OF SHOULDER ELEV.
 - EDGE OF ROAD ELEV.
- Scale: 1" = 20'



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City File #24-0060
Section #13

SE Sujak Engineering PLC	
CIVIL ENGINEERING	PLANNING
DESIGN	DESIGN
Phone: (248) 885-8431	5/03/2025
Fax: (248) 885-8432	BY
REV	DESCRIPTION
1	Per City Review
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Teon C. Sujak, P.E. No. 046896

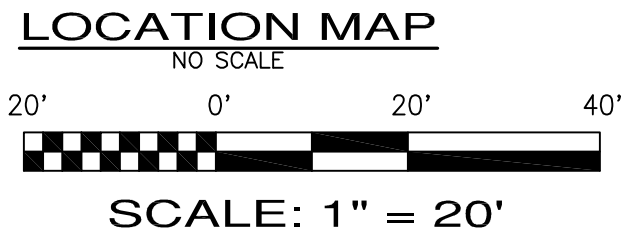
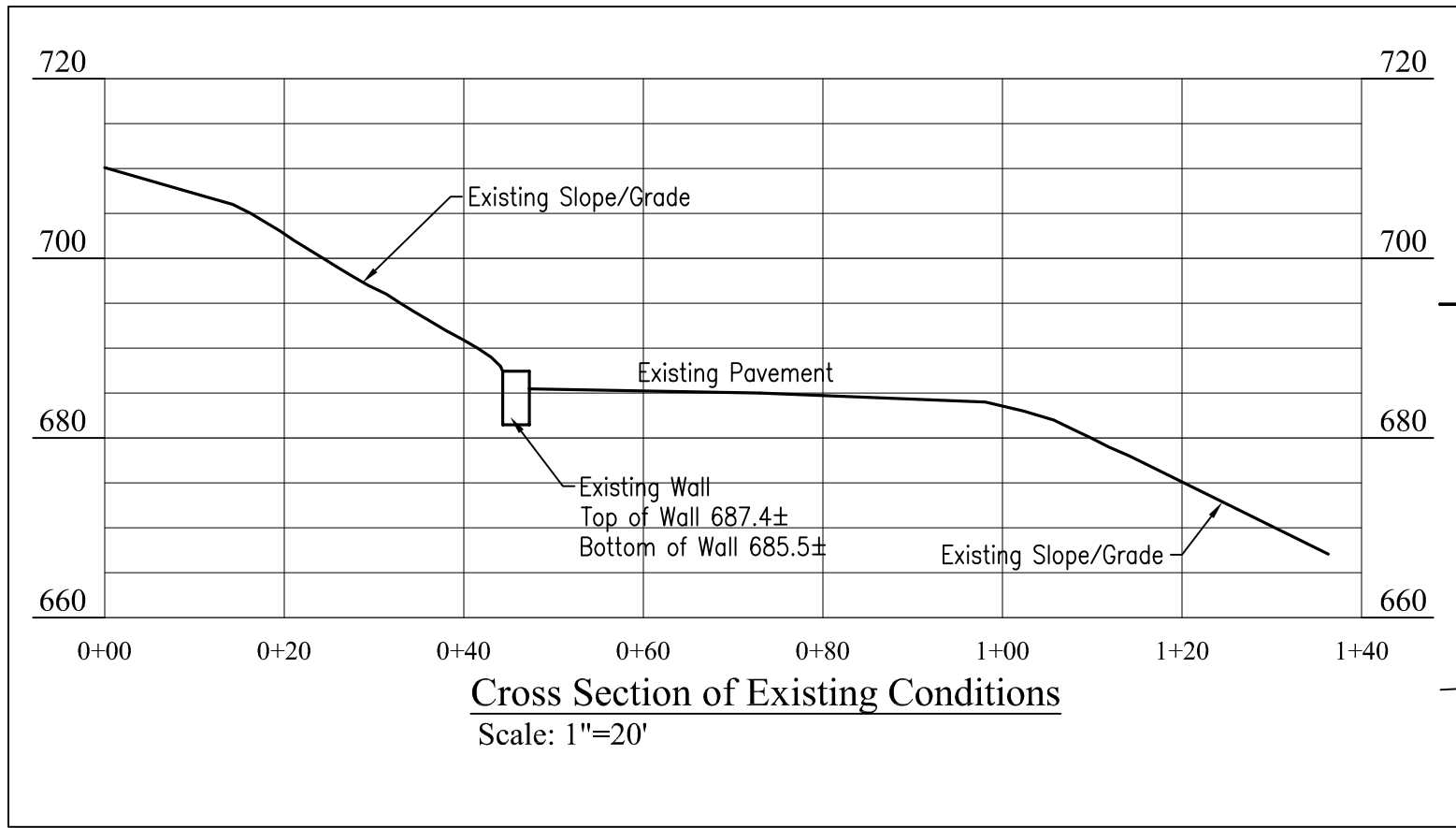
1500 E. Avon Rd
Rochester Hills, MI 48307
Parcel # 15-13-427-002

Dimensional / Stringer Plan
(Site Plan)

Scale:	1"=20'
Drawn:	TCS
Checked:	TCS
Approved:	TCS
Date:	2/08/2025
Job no.	23-062
Sheet No.	C2.0

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PART OF SE 1/4 OF SECTION 13, T3N., R11E., CITY OF ROCHESTER HILLS, OAKLAND COUNTY, MICHIGAN, MORE PARTICULARLY DESCRIBED AS BEGINNING AT A POINT DISTANT S 01°10'00" W, 895.55 FT FROM THE EAST 1/4 CORNER, THENCE S 01°10'00" W, 275.23 FT, THENCE NORTHWESTERLY ALONG THE NORTHERLY LINE MORR R/W ON A CURVE TO THE RIGHT, RADIUS 2814.93 FT, CHORD BEARS N 38°29'50" W, 517.53 FT, A DISTANCE OF 518.24 FT TO CENTER OF AVON RD, THENCE N 61°12'25" E 161.66 FT, THENCE S 41°51'05" E, 278.88 FT TO THE POINT OF BEGINNING. PARCEL CONTAINS 1.60 ACRES OF LAND.



LEGEND

- EX. GRADE
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 - EX. WATER MAIN
 - EX. STORM SEWER
 - EX. SANITARY SEWER
 - EX. OVERHEAD
 - EX. FENCE
 - EX. GAS
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 - EX. HYDRANT
 - EX. CATCH BASIN
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- V.I.F.
TC.000.00
GU.000.00
TW.000.00
BW.000.00
ES.000.00
EM.000.00

TOPO. NOTES:

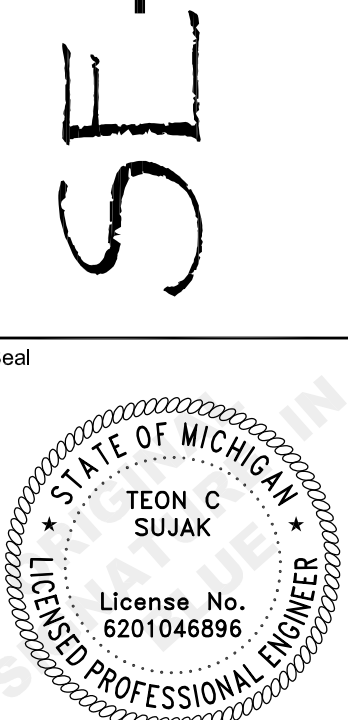
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- Edge of Stream Denotes Edge of Wetland Area

BENCHMARK
Catch Basin Rim
ELEV= 680.05
NAVD88 DATUM



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Section #13

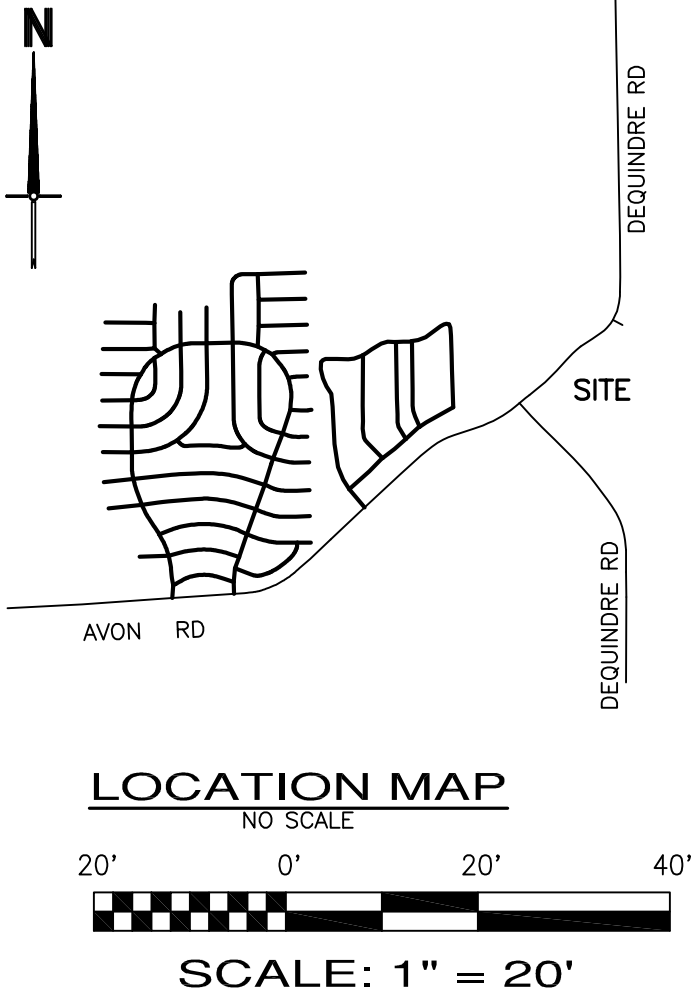
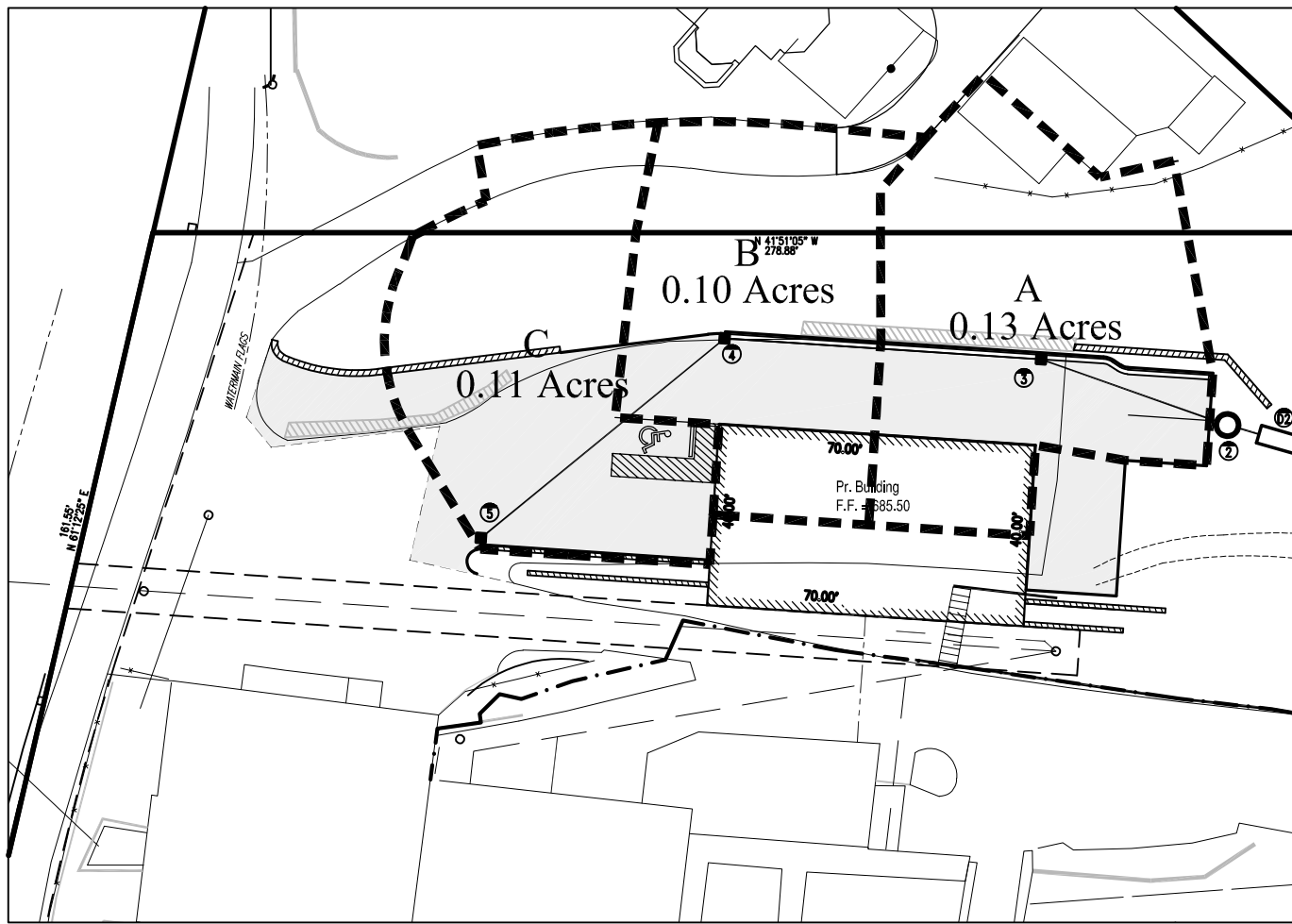
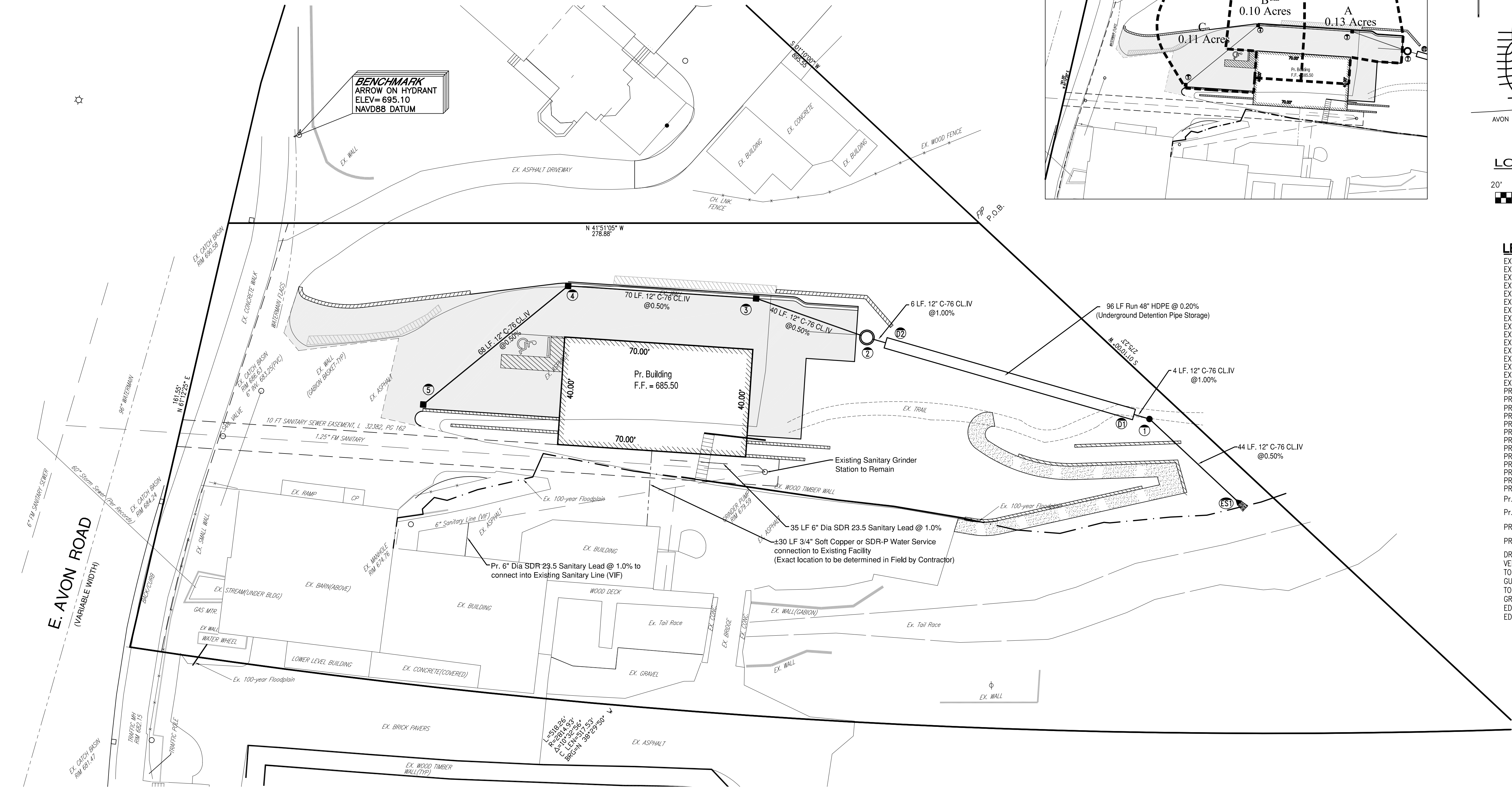
Sujak Engineering PLC
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4031 Coolidge Highway
Troy, MI 48068
Phone: (248) 885-8431
Fax: (248) 885-8432
Email: SujakEngineering@Comcast.net



1950 E. Avon Rd
Rochester Hills, MI 48307
Parcel # 15-13-427-002

Paving & Grading Plan
(Site Plan)

Scale:	1"=20'
Drawn:	TCS
Checked:	TCS
Approved:	TCS
Date:	2/08/2025
Job no.	23-062
Sheet No.	C3.0



ENGINEER: Teon C Sujak PE															DATE: _____									
PROJECT: _____															JOB No. 23-062									
Design for Storm Sewer Systems																								
LOCATION	STRUCTURE FROM MH TO MH		AREA ACRES A	C	EQUIV. AREA ACRES CA	TOTAL EQUIV. AREA CA	TIME MIN. T	INTENSITY TIME MIN. I	FLOW C.F.S. Q	DIA PIPE INCH	HGL SLOPE %	LENGTH OF PIPE FT.	VELOCITY OF FLOW FT/SEC	TIME OF FLOW MIN.	CAPACITY OF SEWER C.F.S.	H.G. ELEV. UPPER END	GROUND ELEV. UPPER END	GROUND ELEV. LOWER END	INVERTS ELEV. UPPER END	INVERTS ELEV. LOWER END	Cover on Pipe UPPER END	Cover on Pipe LOWER END	Rim to HGL	Rim to Storage
C	5	4	0.11	0.80	0.088	0.09	15.0	4.375	0.39	12	0.50	68	3.21	0.35	2.52	682.12	684.00	685.00	679.80	679.46	3.20	4.54	1.88	1.50
B	4	3	0.10	0.80	0.08	0.17	15.4	4.337	0.73	12	0.50	70	3.21	0.36	2.52	681.78	684.80	684.80	679.36	679.01	4.44	4.79	3.02	2.30
A	3	2	0.13	0.80	0.104	0.27	15.7	4.298	1.17	12	0.50	40	3.21	0.21	2.52	681.43	684.80	685.60	678.91	678.71	4.89	5.89	3.37	2.30
	2	Detention	-	-	-	0.27	15.9	4.276	1.17	12	1.00	6	4.54	0.02	3.56	681.23	685.60	685.00	678.56	678.50	6.04	5.50	4.37	3.10
	Detention	Detention	-	-	-	0.27	15.9	4.274	1.17	48	0.20	96	5.11	0.31	64.24	681.17	685.00	685.00	678.50	678.31	2.50	2.69	3.83	2.50
	Detention	1	-	-	-	0.27	16.3	4.241	1.17	12	1.00	4	4.54	0.01	3.56	681.17	685.00	687.90	678.31	678.27	5.69	8.63	3.83	2.50
	1	ES1	-	-	-	0.27	16.3	4.240	1.17	12	0.50	44	3.21	0.23	2.52	678.97	687.90	677.86	678.17	677.95	8.73	0.00	8.93	-
							16.5																	
Note: HGL Started at 681.17, which is 2/3 the Storage Elevation (682.5)																								

Preliminary Detention Calculations		
Pr Pavement Area	6,160 SF	
Pr Building Area	2,800 SF	
Total	8,960 SF	
Existing Pavement in Project Area	6,520 SF	
Increase in Impervious Area	2,440 SF	
100 Year Rain Event Depth	5.23"	
Volume of Rain over increase Impervious Area		
V = 5.23" x (1 ft / 12") x Increased Area =	1,063 SF	
100 Year 5.23"	1,063 Cu.Ft	
Volume of Detention Proposed		
Proposed Lengths of 48" Dia Pipe		
1 Run of 48" Pipe	96	
Total Length	96	1,206 Cu.Ft
		113.4%
Summary: Proposed Vol. (1,206 Cu.Ft.) > Required Vol. (1,063 Cu.Ft.)		

Storm Sewer Structure Schedule			
Structure #		Structure #	
ES	12" End Section	3	4" Dia. Catch Basin w/ 2' Sump
	W/ Barcreen & Rip-Rap		Rim 684.80
	12" Inv 677.95		12" Inv 679.01 W
			12" Inv 678.91 SE
1	Outlet Manhole	4	4" Dia. Catch Basin w/ 2' sump
	Rim 687.90		Rim 684.80
	12" Inv 678.27 NW		12" Inv 679.46 SW
	12" Inv 678.17 SE		12" Inv 679.36 E
	w/ Restrictor		
2	Mechanical Forebay	5	2" Dia. Inlet
	Rim 685.60		Rim 684.00
	12" Inv 678.71 NW		12" Inv 679.80 NE
	12" Inv 678.56 SE		

Casting Schedule	
Casting	Structures
E.J.I.W 5105 w/ M1 Grate	5
E.J.I.W 7045 M1 w/ T1 Back	3, 4
E.J.I.W 1040 w/ Type A Solid Cover	1
See Manufacturer	2 - Mech Forebay
See Manufacturer	Detention System

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City File #24-0060
Section #13

SE Sujak Engineering PLC

CIVIL ENGINEERING

PLANNING

DESIGN

Phone: (248) 885-8431

Fax: (248) 885-8432

Troy, MI 48068

Email: SujakEngineering@Comcast.net

TEON C SUJAK

License No. 6201046896

STATE OF MICHIGAN

PROFESSIONAL ENGINEER

1950 E. Avon Rd

Rochester Hills, MI 48307

Parcel # 15-13-427-002

Utility Plan

(Site Plan)

Scale: 1"=20'

Drawn: TCS

Checked: TCS

Approved: TCS

Date: 2/08/2025

Job no. 23-062

Sheet No. C4.0

Per City Review

DESIGN

BY

DATE

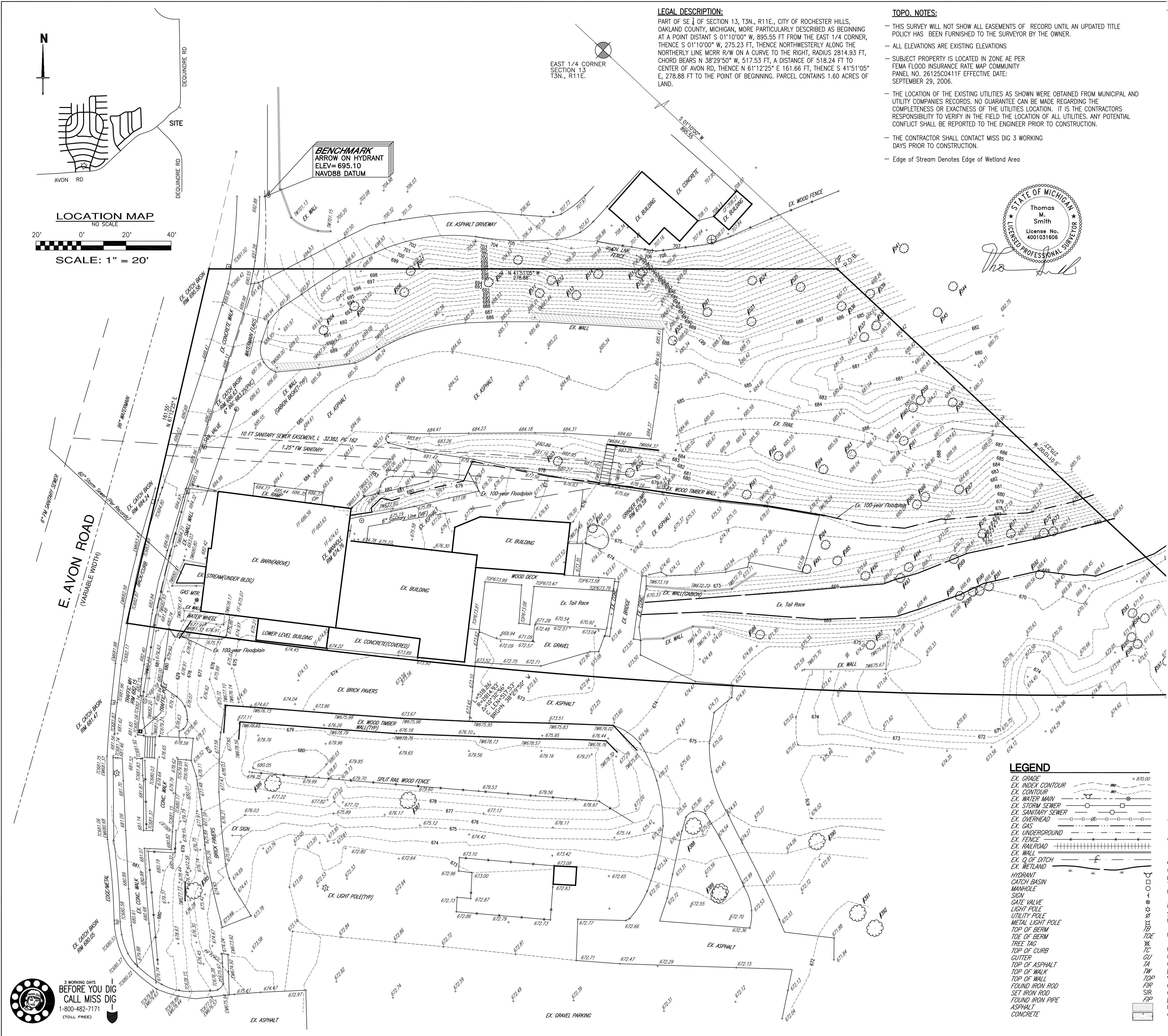
5/03/2025

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REV

DESCRIPTION

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YATES CIDER MILL TREE INVENTORY				
TAGE	SIZE	BOTANICAL NAME	COMMON NAME	CONDITION COMMENTS
491	6"	Juglans nigra	Black Walnut	Fair/Poor Some vines - Woodbine
492	7"	Ulmus sp.	Elm	Fair
493	16"	Populus deltoides	Cottonwood	Poor Many dead limbs, Slight L
494	7"	Acer rubrum	Red Maple	Fair
495	29"	Ulmus americana	American Elm	Fair
496	22"	Populus deltoides	Cottonwood	Fair
497	8"	Ulmus sp.	Elm	Poor NC, Vines - Woodbine
498	21"	Populus deltoides	Cottonwood	Fair
499	29"	Populus deltoides	Cottonwood	Fair
500	33"	Populus deltoides	Cottonwood	Fair
501	44"	Platanus occidentalis	Sycamore	Fair
502	23"	Ulmus americana	American Elm	Fair
503	22"	Juglans nigra	Black Walnut	Fair
504	22"	Acer saccharinum	Silver Maple	Fair
505	10"	Juniperus virginiana	Redcedar	Poor BD, NC
506	22", 22"	Tilia americana	Basswood	Fair
507	3", 6"	Acer negundo	Box Elder	Poor DL, M, DL
508	5", 7"	Acer negundo	Box Elder	Poor BR, DL, L
509	48"	Deciduous Tree	Dead	Stem only
510	4", 4", 5", 5", 6"	Acer negundo	Box Elder	Poor Major BR, DL
511	32"	Salix sp.	Willow	Very Poor Topped, One (1) live branch
512	27"	Ulmus americana	American Elm	Fair/Poor L
513	6"	Acer negundo	Box Elder	Poor Sev. L, DL
514	6"	Acer negundo	Box Elder	Poor Sev. L, DL
515	4", 5", 8", 9"	Acer negundo	Box Elder	Poor BR, DL
516	8", 10"	Acer negundo	Box Elder	Poor Sev. L
517	3", 5", 7", 8", 10"	Acer negundo	Box Elder	Very Poor Sev. L, BR, DL
518	22"	Acer negundo	Box Elder	Very Poor Maj. limb topped, L
519	24"	Acer negundo	Box Elder	Poor Sev. M, DL
520	18", 19"	Acer negundo	Box Elder	Fair
521	6", 10"	Acer negundo	Box Elder	Very Poor Sev. L, DL
522	25"	Ulmus americana	American Elm	Fair
523	13"	Acer negundo	Box Elder	Poor Maj. BR, DL, L
524	17"	Ulmus americana	American Elm	Fair
525	33"	Morus rubra	Mulberry	Poor Maj. SS in upper branches, L
526	15"	Morus rubra	Mulberry	Very Poor Maj. BD, many DL
527	10"	Acer negundo	Box Elder	Poor DL, M
528	19"	Prunus serotina	Black Cherry	Poor DL, M
529	8"	Acer negundo	Box Elder	Poor DL, Vines - Woodbine
530	7", 9"	Acer negundo	Box Elder	Poor DL, M, L
531	10"	Ulmus sp.	Elm	Fair
532	10"	Ulmus sp.	Elm	Fair
533	16"	Morus rubra	Mulberry	Poor Many DL
534	13", 15"	Acer negundo	Box Elder	Very Poor Sev. L, DL
535	16"	Ulmus americana	American Elm	Fair/Poor L
536	9"	Acer negundo	Box Elder	Dead
537	12"	Acer negundo	Box Elder	Poor Sev. L, DL
538	9"	Acer negundo	Box Elder	Poor OS, NC, TD
539	13"	Ulmus americana	American Elm	Fair
540	10"	Acer negundo	Box Elder	Poor Sev. L, M, OS
541	11"	Acer negundo	Box Elder	Dead Stem only
542	18"	Platanus occidentalis	Sycamore	Fair/Poor Some BR
543	22"	Juglans nigra	Black Walnut	Fair
544	6", 9"	Ulmus americana	American Elm	Fair/Poor OS
545	16"	Juglans nigra	Black Walnut	Fair
546	44"	Quercus alba	White Oak	Fair
547	29"	Juglans nigra	Black Walnut	Fair
548	6", 7"	Ulmus sp.	Elm	Fair/Poor Some BR
549	8"	Juglans nigra	Black Walnut	Fair
550	11"	Ulmus sp.	Elm	Fair
551	6", 13"	Tilia americana	Basswood	Fair
552	11"	Ulmus sp.	Elm	Dead
553	24"	Juglans nigra	Black Walnut	Fair
554	31"	Juglans nigra	Black Walnut	Fair
555	3", 5", 7"	Tilia americana	Basswood	Fair
556	12", 15"	Tilia americana	Basswood	Fair/Poor Some BR
557	13"	Ulmus americana	American Elm	Fair
558	13"	Ulmus americana	American Elm	Fair
559	11"	Ulmus sp.	Elm	Fair
560	15"	Morus rubra	Mulberry	Poor Many DL
561	13"	Acer negundo	Box Elder	Poor Sev. L
562	20"	Morus rubra	Mulberry	Fair
563	10"	Acer negundo	Box Elder	Poor
564	40"	Salix sp.	Willow	Fair L, Vines - Woodbine
565	8", 9", 11", 16"	Tilia americana	Basswood	Fair
566	14", 19"	Tilia americana	Basswood	Fair
567	19"	Ulmus sp.	Elm	Dead
568	6"	Ulmus sp.	Elm	Fair
569	10"	Ulmus sp.	Elm	Fair
570	15"	Populus deltoides	Cottonwood	Fair
571	30"	Populus deltoides	Cottonwood	Fair
572	16"	Populus deltoides	Cottonwood	Fair
573	8"	Platanus occidentalis	Sycamore	Fair
574	7"	Platanus occidentalis	Sycamore	Fair
575	12"	Ulmus sp.	Elm	Fair
576	16"	Ulmus sp.	Elm	Fair/Poor L
577	17"	Ulmus sp.	Elm	Fair/Poor NC
578	7"	Ulmus sp.	Elm	Fair
579	6"	Ulmus sp.	Elm	Poor NC, Vines - Woodbine
580	8"	Ulmus sp.	Elm	Poor NC, VC - Poison Ivy
581	15"	Acer negundo	Box Elder	Very Poor Maj. BD, DL, M
582	16"	Ulmus sp.	Elm	Fair
583	15"	Ulmus americana	American Elm	Fair/Poor Some DL
584	17"	Ulmus sp.	Elm	Fair
585	15"	Ulmus sp.	Elm	Fair
586	6", 8", 11"	Ulmus sp.	Elm	Fair
587	35"	Ulmus americana	American Elm	Fair
588	13"	Acer saccharinum	Silver Maple	Fair
589	14"	Acer saccharinum	Silver Maple	Fair
590	8", 13"	Acer saccharinum	Silver Maple	Fair/Poor Elm growing through stems
591	10"	Acer saccharinum	Silver Maple	Fair
592	16"	Ulmus americana	American Elm	Fair
593	33"	Populus deltoides	Cottonwood	Fair
594	24"	Populus deltoides	Cottonwood	Fair
595	17"	Populus deltoides	Cottonwood	Fair
596	13"	Acer negundo	Box Elder	Very Poor Maj. TD, DL
597	20"	Populus deltoides	Cottonwood	Fair
598	4", 11"	Acer negundo	Box Elder	Very Poor Sev. L, DL
599	6"	Acer negundo	Box Elder	Poor Exposed roots, DL, Slight L
600	32"	Populus deltoides	Cottonwood	Fair
ABBREVIATIONS: BD - Bark damage; BR - Base rot; DL - Dead limbs; L - Leaning; M - Misshapened; Maj. - Major NC - Narrow crown; Sev. - Severely; SI - Slightly; SS - Stem split; TD - Trunk damage; VC - Vine covered.				
DEFINITIONS OF RATINGS: Good: The tree appears to be in a healthy and satisfactory condition with an overall sound stem structure and with a full and balanced crown; the growth habit appears normal; there is no indication of pests or diseases present; and the life expectancy is judged to be greater than twenty-five (25) years. The rating based on the health / condition chart ranges from 30 to 24. Fair: The tree appears to be in a healthy and satisfactory condition with a minimum of structural problems and with minor crown imbalance or thin crown; the growth habit appears normal; there is no indication of pests or diseases present; and the life expectancy is judged to be greater than twenty (20) years. The rating based on the health / condition chart ranges from 23 to 17. Fair/Poor: The tree appears to be in a satisfactory condition but exhibits a minor structural problem with crown imbalance, dead or dying limbs, or growth only in the top quarter of the tree; or the growth habit is misshapen and askew; or there is evidence of pests or diseases present. The rating based on the health / condition chart is 16 to 11. Poor: The tree appears to be in an unhealthy condition with structural problems and with major crown imbalance, dead or dying limbs, or growth only in the top quarter of the tree; the growth habit is misshapen and askew; there is evidence of pests or diseases present; and the life expectancy is judged to be less than ten (10) years. The rating based on the health / condition chart is 10 to 6. Very Poor: The tree appears to be in an unhealthy condition with major structural problems and with major crown imbalance and several dead limbs and/or peeling bark; the growth habit is severely misshapen and askew; there is evidence of pests or diseases present; and the life expectancy is judged to be less than five (5) years. The rating based on the health/condition chart ranges from 5 to 1. Dead: The tree has no live branches, is topped, or fallen. The rating based on the health / condition chart is 0.				
Scale: 1"=20'				
Drawn: TMS				
Checked: TCS				
Approved: TMS				
Date: 10/31/2023				
Job no.				
23-062				
Sheet No.				
CS1.0				

Sujak Engineering PLC
CIVIL ENGINEERING \$ PLANNING \$ DESIGN \$
4031 Coolidge Highway
Troy, MI 48068
Phone: (248) 885-8431
Fax: (248) 885-8432
Email: SujakEngineering@Comcast.net

1950 E. Avon Rd
Rochester Hills, MI 48307
Parcel # 15-13-427-002

Topographic & Tree Survey



19" SHORT WAREHOUSE SHADE DAMP / WET LOCATION CLASSIC SHAPES

PROJECT: _____
QUANTITY: _____ TYPE: _____



SW1910GV
AN - Anodic Natural



SW1910GV
BZ - Bronze



SW1910GV
PT - Platinum Silver



SW1910GV
MB - Matte Black

SERIES	LUMENS ¹	CCT	DRIVER / DIMMING ²		ACCESSORIES ⁶		MOUNTING ⁸		INTERIOR ¹²		FINISH ¹²		WET KIT	
SW1910GV	15L	1500 Lm	80 CRI		EX³ DO10X DS2W1⁴ DLTE1⁵ DL3EX⁶ Electronic Driver, 120V/277V 1%, 0-10V, 120V/277V ELV/MLV, 120V Lutron® 2-Wire Forward Phase (MLV), 120V 1%, Lutron® EcoSystem®, Fades to Black, 120V/277V	ENCLOSURES		WALL MOUNT		MW1¹³ CCI FCI Matte White Custom Color Fixture Color Interior	MW¹³ MB¹³ PT¹³ CC Matte White Matte Black Platinum Silver Custom Color	WLKA Wet Location Kit		
	27L	2700 Lm	27K 30K 35K 40K 2700K 3000K 3500K 4000K	TF2⁷ TG2 MF2 MG2 FJ2 FG2 4" Frosted Dome 4" Dome Wire Guard 4" Frosted Mini 4" Short Wire Guard 4" Frosted Tall 4" Tall Wire Guard		CP104 CP104KO CP106 CP6/RMD SP90⁹ PA¹⁰ Small Driver Canopy Small Driver Canopy w/ Knockouts Large Driver Canopy Remote Mount Driver Straight Arm Mounting Arm Style	See Page 5 for Full Range of Color Options (83-90082)	See Page 5 for Full Range of Color Options (83-90082)						
	37L	3700 Lm	90 CRI			CEILING MOUNT								
	55L	5500 Lm	27HK 30HK 35HK 40HK 2700K 3000K 3500K 4000K	RDC5 CP13 HM¹⁰ AT¹⁰ PM¹⁰ CD¹⁰ CM¹⁰ EMCR¹¹ EMRM EMEN Small Driver Canopy Large Driver Canopy Hang Straight Hang Straight All Thread Rigid Pendant Mount Cord / Cable Mount Cord Mount 10W Large Driver Canopy EM 7W Remote EM 7W Remote with Enclosure										

EXAMPLE: SW1910GV37L35KEXTF2/RDC5HM36MWIMB

NOTES:

1 Nominal Source Lumens at 35K 2 Contact Factory for Additional Options 3 37L Max with CP104 4 37L Max with CP104/RDC5, 55L Max with CP106/CP13
5 Available with CP106/CP13 Only 6 Enclosure, Wire Guard Required - Choose One Option 7 Standard Enclosure 8 See Mounting Page for Details on Components and Finishes
9 See Mounting Page for Available Arm Options 10 Specify Length in Inches: See Mounting Page for Available Lengths 11 EMCR Replaces RDC5 or CP13
12 See Color Page for More Options/Consult Factory for Special Finishes 13 Standard Finishes



Spectrum Lighting

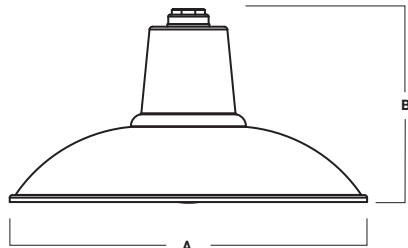


19" SHORT WAREHOUSE SHADE DAMP / WET LOCATION CLASSIC SHAPES

LUMENS / WATTAGE DATA				
PART NUMBER	SOURCE LUMENS ¹	DELIVERED LUMENS ²	SYSTEM WATTS	LPW
SW1910GV15L	1500	1202	10	120
SW1910GV27L	2700	2100	18	117
SW1910GV37L	3700	3080	26	118
SW1910GV55L	5500	4536	39	116

¹ Nominal Source Lumens at 35K ² Nominal Delivered Lumens at 35K

HOUSING DIMENSIONS



A	B
18.5 470.0 mm	10.0 254.0 mm

APPLICATION

The Short Warehouse Shade is a shallow version of our most popular Warehouse Shades.

FEATURES

Spectrum Lighting's RLM Classics are inspired by vintage lighting fixtures redesigned with modern LED light sources and materials. The wide range of options for illumination, mounting, enclosures, guards and finishes allows for creative fixture specification and design. LED module and driver are serviceable for future replacement.

FINISH

Multi-stage polyester powder-coat process applied on our dedicated paint lines. Variety of standard and custom finishes are available. Interior is Matte White unless specified. Custom Color interior finishes available.

ELECTRONICS

GV LED system features high brightness white Samsung LED's. 3-step MacAdam Ellipse binning. Standard CRI: 80+. Higher CRI, R9 and custom LED configurations are available; consult factory. Choice of electronic 120V/277V and dimming drivers.

CONSTRUCTION

Fixture shades are spun in our factory from 0.063 high purity aluminum. Wall mount canopies are die-cast aluminum with stainless steel hardware. Wall arms are formed 3/4 NPT aluminum pipe and may be field cut.

CODE COMPLIANCE

BAA compliant. ETL certified to meet US and Canadian standards. Suitable for dry or damp locations. Wet Location Option. Manufactured and tested to UL standards No. 1598/8750.

ENCLOSURES



TG2
4" FROSTED DOME
WIRE GUARD - FITS TF2



MG2
4" FROSTED MINI
WIRE GUARD - FITS MF2



FG2
4" FROSTED TALL
WIRE GUARD - FITS FJ2



WALL MOUNT

(SEE MOUNTING PAGES FOR MORE OPTIONS & DIMENSIONS.)

PA
MOUNTING ARM STYLE



SW1910GV SHOWN WITH CP104PA23

CEILING MOUNT

(SEE MOUNTING PAGES FOR MORE OPTIONS & CANOPY DIMENSIONS.)

HM / AT / PM
HANG STRAIGHT / ALL THREAD / PENDANT



SW1910GV SHOWN WITH RDC5PM

CD
CORD / CABLE MOUNT



SW1910GV SHOWN WITH RDC5CD

CM
CORD MOUNT



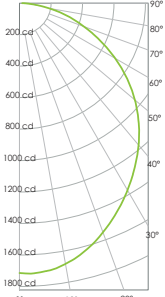
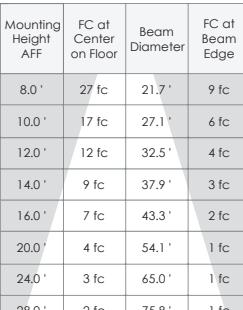
SW1910GV SHOWN WITH RDC5CM





19" SHORT WAREHOUSE SHADE
DAMP / WET LOCATION
CLASSIC SHAPES / PHOTOMETRIC DATA

SW1910GV-55L-35K-EX-TF2-MWI

CANDLEPOWER CURVE		INTENSITY		ZONAL LUMENS		SINGLE UNIT: PERFORMANCE INITIAL FOOTCANDLES BASED ON IES BEAM ANGLE				MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES INITIAL FOOTCANDLES AND WATTS PER SQUARE FOOT											
		0.00°		0° - 10°	163	4%		Mounting Height AFF	FC at Center on Floor	Beam Diameter	FC at Beam Edge	RCR 1		RCR 3							
		0.00°	1,715	0° - 20°	612	13%						FC *	W/Sq. Ft.	FC *	W/Sq. Ft.						
		5.00°	1,713	0° - 30°	1,267	28%						17'	16' *	17	0.14	10	0.11				
		10.00°	1,682	0° - 40°	2,042	45%						21'	18' **	15	0.13	12	0.13				
		15.00°	1,625	0° - 60°	3,572	79%						25'	20' ***	12	0.10	8	0.08				
		20.00°	1,549	0° - 80°	4,432	98%						Delivered Illuminance Rating: (DIR)		117 FC per W/Sq. Ft.		90 FC per W/Sq. Ft.					
		30.00°	1,372	0° - 90°	4,523	100%															
		40.00°	1,177	Total	4,534	100%						3' Suspension Length Square rooms used for multiple units: - RCR 1: Length & Width = Ceiling Ht. - 5.5' x 10.00 - RCR 3: Length & Width = Ceiling Ht. - 5.5' x 3.33 * Average Footcandles at 2.5' Above Floor ** Exceeds spacing criteria by 17% *** Exceeds spacing criteria by -2% *** Exceeds spacing criteria by -14%									
		50.00°	957																		
		60.00°	701																		
		70.00°	435																		
		80.00°	190																		
		90.00°	17																		
Delivered Lumens: 4,534		CP at 0deg (Nadir): 1,715		Beam Angle: 106.45		Lamp Multiplier: 15L x 0.265, 27L x 0.463, 37L x 0.679															
Luminaire Watts: 39		CRI: 85+		Spacing Ratio: 1.19		CCT Multiplier: 27K x 0.971, 30K x 0.985, 40K x 1.03															
LER: 116.26																					



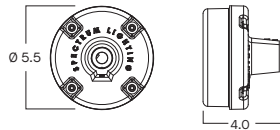
MOUNTING & ACCESSORIES

SOME OPTIONS NOT AVAILABLE ON ALL FIXTURES, CONSULT SPECIFICATION SHEETS. SEE INDIVIDUAL SPECIFICATION SHEETS OR CONSULT FACTORY FOR ADDITIONAL INFORMATION. NOTE: THIS IS TYPICAL OF RLM SPECIFICATION FOR MOUNTING. INDIVIDUAL FIXTURES OR PROJECTS MAY HAVE SPECIALIZED REQUIREMENTS.

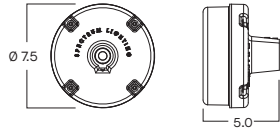


WALL MOUNTING

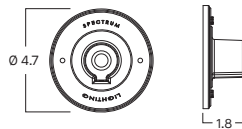
CP104 - SMALL DRIVER CANOPY (STANDARD)
MAY BE USED AS SPLICE BOX FOR DIRECT FEED
NOT AVAILABLE W/ PA16 & PA16F



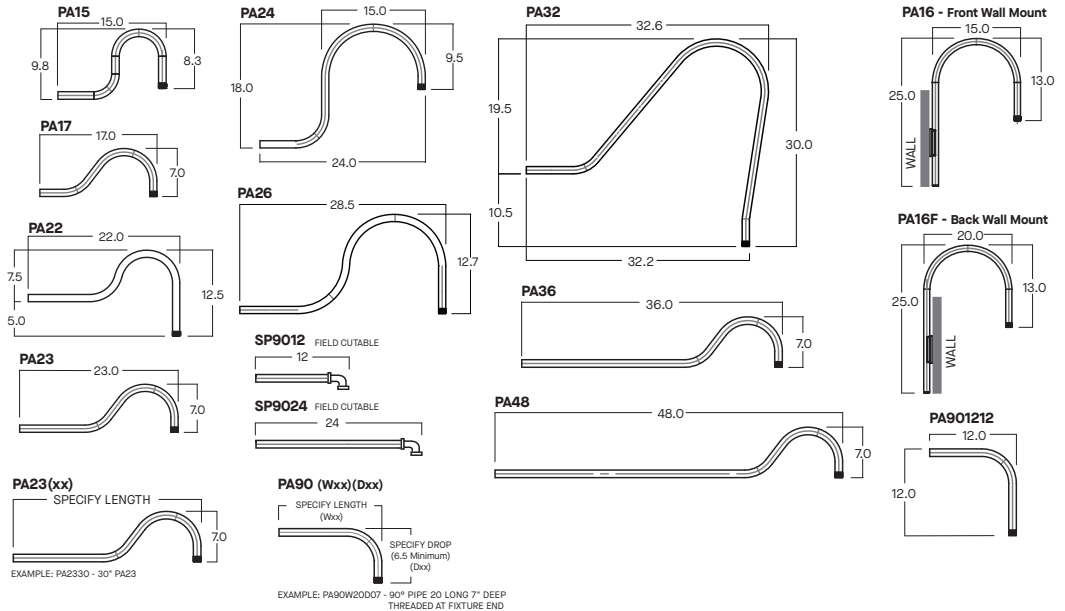
CP106 - LARGE DRIVER CANOPY
MAY BE USED AS SPLICE BOX FOR DIRECT FEED



CP6/RMD - REMOTE MOUNT DRIVER
MOUNTS DIRECTLY TO WALL OR OCTAGON STYLE J-BOX

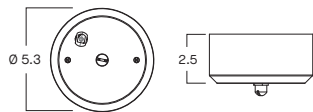


CUSTOM AND OTHER WALL ARMS AVAILABLE - CONTACT FACTORY. ARMS MAY BE FIELD CUT ON WALL SIDE - FIXTURE SIDE THREADED 3/4" NPT REQUIRES SEALANT FOR WET LOCATION.

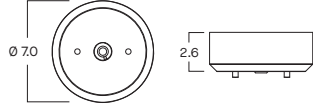


CEILING MOUNTING

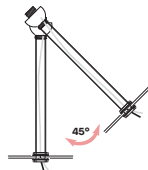
RDC5 - SMALL DRIVER CANOPY (STANDARD)
MOUNTS TO 4" OCTO J-BOX



CP13 - LARGE DRIVER CANOPY

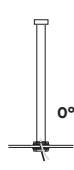


HM*
HANG STRAIGHT
45° SWIVEL 5/8" OD STEM - 3/8" IP



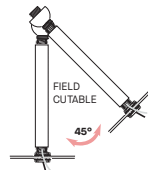
ORDER: HM (Length)
SPECIFY LENGTH:
HM3 - 3" HM24 - 24"
HM6 - 6" HM36 - 36"
HM12 - 12" HM48 - 48"
HM18 - 18" HM72 - 72"
HMLC(XX)
Custom Length
(Specify in Inches)

PM*
RIGID PENDANT MOUNT
RIGID 5/8" OD STEM - 3/8" IP



ORDER: PM (Length)
SPECIFY LENGTH:
PM3 - 3" PM24 - 24"
PM6 - 6" PM36 - 36"
PM12 - 12" PM48 - 48"
PM18 - 18" PM72 - 72"
PMLC(XX)
Custom Length
(Specify in Inches)

AT**
HANG STRAIGHT ALL THREAD
45° SWIVEL 5/8" OD STEM - 1/4" IP



ORDER: AT (Length)
SPECIFY LENGTH:
AT12 - 12"
AT24 - 24"
AT36 - 36"
AT48 - 48"
AT60 - 60"
AT72 - 72"
FIELD CUT THREADED PIPE TO LENGTH NEEDED CUT PIPE COVER SHIP SHORTER THAN THREADED PIPE SUPPLIER COVER OVER THREADED PIPE

CD
CORD / CABLE MOUNT
SJ CORD WITH 1/16 SS CABLE



ORDER: CD (Length)
SPECIFY LENGTH:
CD36 - 36"
CD72 - 72"
CD144 - 144"
CDLC(XX)
Custom Length
(Specify in Inches)

CM
CORD MOUNT
SJ CORD WITH STRAIN RELIEF

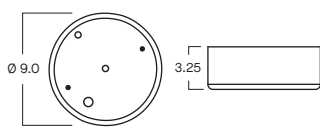


ORDER: CM (Length)
SPECIFY LENGTH:
CM36 - 36"
CM72 - 72"
CM144 - 144"
CMLC(XX)
Custom Length
(Specify in Inches)

*MAXIMUM ONE PIECE STEM LENGTH IS 72". **MAXIMUM ONE PIECE STEM LENGTH IS 36". LONGER LENGTHS ARE POSSIBLE USING MULTIPLE STEMS AND COUPLERS.
**ORDER IN 12" INCREMENTS, ODD SIZES MAY BE FIELD CUT

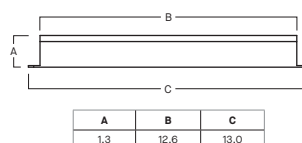
EMERGENCY BATTERY OPTIONS

EMCR - LARGE DRIVER CANOPY FOR 10W EMERGENCY BATTERY

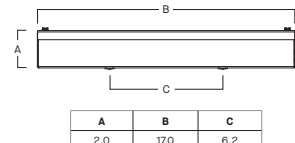


REMOTE EMERGENCY BATTERY OPTIONS

EMRM* - 7W REMOTE EMERGENCY BATTERY (50" MAX)



EMEN* - 7W REMOTE EMERGENCY BATTERY WITH ENCLOSURE (50" MAX)



*OTHER EM BATTERY SIZES AVAILABLE, CONTACT FACTORY.



COLOR OPTIONS - POWDER COAT PAINT FINISHES

NOTE: NO PRINTED IMAGE CAN EQUAL THE EXACT COLOR OF FINISH ON METAL.
SEE INDIVIDUAL SPECIFICATION SHEETS OR CONSULT FACTORY FOR ADDITIONAL INFORMATION.



STANDARD CORD / STEM / CANOPY FINISHES

FIXTURE COLOR	STANDARD CORD COLOR	STANDARD CANOPY / STEM COLOR
Matte White, Textured White	Matte White	Matte White
Gloss White	Matte White	Gloss White
Matte Black, Gloss Black, Textured Black	Matte Black	Matte Black
All Others	Matte Black	Same Color as Fixture
Custom Color	Contact Factory	Contact Factory

PAINT TIMES

TIER	COST	AVERAGE PAINT TIME*
Tier 1 - Standard Finishes	\$	①
Tier 2 - Typical Finishes	\$\$	①①
Tier 3 - Special Metal Finishes	\$\$\$	①①①
Custom Color	Contact Factory	Contact Factory

*CONTACT FACTORY FOR SPECIFIC PRODUCT LEAD TIMES

TIER 1 - STANDARD FINISHES

MW Matte White	GW Gloss White	PT Platinum Silver	MB Matte Black	GB Gloss Black	BZ Bronze

TIER 2 - TYPICAL FINISHES

TW Textured White	TB Textured Black	MT* Textured Silver	OB* Oil Rubbed Bronze	SN Sun Gold	CO Copper Metallic	BR Brecchia	GH Graphite	CH Charcoal	AL Almond	VE Verde Green
BL Blue Streak	RD Red Baron	OR Orange	CM Camel	PL Purple	PG Pub Green	TQ Turquoise	SF Sea Foam	PK Pink	AY Aero Yellow	EG Evergreen
LG Lime Green	LB Light Blue	BY Burgundy	AK Anodic Black	AM Anodic Malachite	AZ Anodic Bronze	AS Anodic Sapphire	AN Anodic Natural	AC Anodic Champagne		

TIER 3 - SPECIAL METAL FINISHES

NOT AVAILABLE ON ALL FIXTURES. PLEASE CONSULT SPECIFICATION SHEETS OR FACTORY FOR AVAILABILITY.

GA* Galvanized	BA**/** Brushed Aluminum	GF* Gold Flake

CUSTOM COLOR FINISHES

CONTACT FACTORY

CC
Custom Color



*UNAVAILABLE FOR WET LOCATION

** UNAVAILABLE FOR INTERIOR





15" SHORT WAREHOUSE SHADE
DAMP / WET LOCATION
CLASSIC SHAPES

PROJECT: _____
QUANTITY: _____ TYPE: _____



SW1509GV
BZ - Bronze



SW1509GV
MW - Matte White



SW1509GV
MB - Matte Black



SW1509GV
PT - Platinum Silver

SERIES	LUMENS ¹		CCT	DRIVER / DIMMING ²		ACCESSORIES ⁴		MOUNTING ⁶		INTERIOR ¹⁰		FINISH ¹⁰		WET KIT		
SW1509GV	15L	1500 Lm	80 CRI	EX	Electronic Driver, 120V/277V 1%, 0-10V, 120V/277V ELV/MLV, 120V Lutron® 2-Wire Forward Phase (MLV), 120V 1%, Lutron® EcoSystem®, Fades to Black, 120V/277V	ENCLOSURES		WALL MOUNT		MWI ¹¹	Matte White Custom Color	MW ¹¹	Matte White Matte Black Platinum Silver	WLKA	Wet Location Kit	
			27K 2700K 30K 3000K 35K 3500K 40K 4000K			DLTET ³	TF1 ¹ TG1 MF1 MG1 FJ1 FG1	CP104 CP104KO	Small Driver Canopy Small Driver Canopy w/ Knockouts							CCI
			90 CRI			DL3EX ³		CP106 CP6/RMD SP90 ⁷ PA ⁷	Large Driver Canopy Remote Mount Driver Straight Arm Mounting Arm Style	See Page 5 for Full Range of Color Options (83-90082)	See Page 5 for Full Range of Color Options (83-90082)					
			27HK 2700K 30HK 3000K 35HK 3500K 40HK 4000K					CEILING MOUNT								
								RDC5 CP13 HM ⁸ AT ⁸ PM ⁸ CD ⁸ CM ⁸ EMCR ⁹ EMRM EMEN	Small Driver Canopy Large Driver Canopy Hang Straight Hang Straight All Thread Rigid Pendant Mount Cord / Cable Mount Cord Mount 10W Large Driver Canopy EM 7W Remote EM 7W Remote with Enclosure							

EXAMPLE: SW1509GV27L35KEXTF1/RDC5HM36MWIMB

NOTES:
1 Nominal Source Lumens at 35K 2 Contact Factory for Additional Options 3 Available with CP106/CP13 Only 4 Enclosure, Wire Guard Required - Choose One Option
5 Standard Enclosure 6 See Mounting Page for Details on Components and Finishes 7 See Mounting Page for Available Arm Options 8 Specify Length in Inches:
See Mounting Page for Available Lengths 9 EMCR Replaces RDC5 or CP13 10 See Color Page for More Options/Consult Factory for Special Finishes 11 Standard Finishes



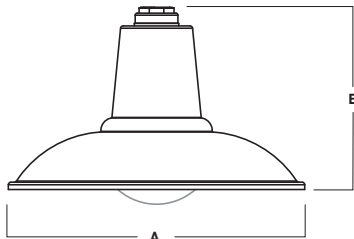


15" SHORT WAREHOUSE SHADE DAMP / WET LOCATION CLASSIC SHAPES

LUMENS / WATTAGE DATA				
PART NUMBER	SOURCE LUMENS ¹	DELIVERED LUMENS ²	SYSTEM WATTS	LPW
SW1509GV15L	1500	1150	10	115
SW1509GV27L	2700	2008	18	112

¹ Nominal Source Lumens at 35K ² Nominal Delivered Lumens at 35K

HOUSING DIMENSIONS



A	B
14.5 368.3 mm	9.0 228.6 mm

APPLICATION

The Short Warehouse Shade is a shallow version of our most popular Warehouse Shades.

FEATURES

Spectrum Lighting's RLM Classics are inspired by vintage lighting fixtures redesigned with modern LED light sources and materials. The wide range of options for illumination, mounting, enclosures, guards and finishes allows for creative fixture specification and design. LED module and driver are serviceable for future replacement.

FINISH

Multi-stage polyester powder-coat process applied on our dedicated paint lines. Variety of standard and custom finishes are available. Interior is Matte White unless specified. Custom Color interior finishes available.

ELECTRONICS

GV LED system features high brightness white Samsung LED's. 3-step MacAdam Ellipse binning. Standard CRI: 80+. Higher CRI, R9 and custom LED configurations are available; consult factory. Choice of electronic 120V/277V and dimming drivers.

CONSTRUCTION

Fixture shades are spun in our factory from 0.063 high purity aluminum. Wall mount canopies are die-cast aluminum with stainless steel hardware. Wall arms are formed 3/4 NPT aluminum pipe and may be field cut.

CODE COMPLIANCE

BAA compliant. ETL certified to meet US and Canadian standards. Suitable for dry or damp locations. Wet Location Option. Manufactured and tested to UL standards No. 1598/8750.

ENCLOSURES

TF1

3" FROSTED DOME



MF1

3" FROSTED MINI



FJ1

3" FROSTED TALL



TG1

3" FROSTED DOME
WIRE GUARD - FITS TF1



MG1

3" FROSTED MINI
WIRE GUARD - FITS MF1



FG1

3" FROSTED TALL
WIRE GUARD - FITS FJ1



WALL MOUNT

(SEE MOUNTING PAGES FOR MORE OPTIONS & DIMENSIONS.)

PA_

MOUNTING ARM STYLE



SW1509GV SHOWN WITH CP104PA23

CEILING MOUNT

(SEE MOUNTING PAGES FOR MORE OPTIONS & CANOPY DIMENSIONS.)

HM / AT / PM

HANG STRAIGHT / ALL THREAD / PENDANT



SW1509GV SHOWN WITH RDC5PM

CD

CORD / CABLE MOUNT



SW1509GV SHOWN WITH RDC5CD

CM

CORD MOUNT



SW1509GV SHOWN WITH RDC5CM

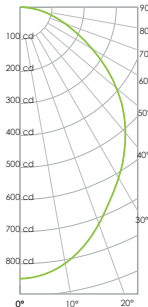
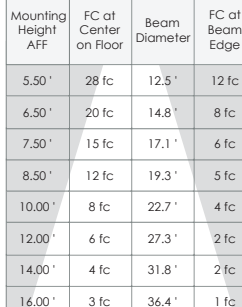


Spectrum Lighting



15" SHORT WAREHOUSE SHADE
DAMP / WET LOCATION
CLASSIC SHAPES / PHOTOMETRIC DATA

SW1509GV-27L-35K-EX-TF1-MWI

CANDLEPOWER CURVE		INTENSITY		ZONAL LUMENS		SINGLE UNIT: PERFORMANCE INITIAL FOOTCANDLES BASED ON IES BEAM ANGLE				MULTIPLE UNITS: PERFORMANCE 80/50/20% REFLECTANCES INITIAL FOOTCANDLES AND WATTS PER SQUARE FOOT															
		0.00°		0° - 10°	80	4%		Mounting Height AFF	FC at Center on Floor	Beam Diameter	FC at Beam Edge	Ceiling Height		Fixture Spacing		RCR 2		RCR 4							
		0.00°	847	0° - 20°	299	15%						FC *	W/Sq. Ft.	FC *	W/Sq. Ft.										
		5.00°	837	0° - 30°	612	30%						8'	8' *	24	0.24	19	0.24								
		10.00°	811	0° - 40°	973	48%						12'	10' **	21	0.20	16	0.20								
		15.00°	770	0° - 60°	1,639	82%						16'	12' ***	14	0.14	7	0.09								
		20.00°	719	0° - 80°	1,972	98%						Delivered Illuminance Rating: (DIR)		101 FC per W/Sq. Ft. 79 FC per W/Sq. Ft.											
		30.00°	615	0° - 90°	2,007	100%																			
		40.00°	511	Total	2,007	100%						2' Suspension Length Square rooms used for multiple units: - RCR 2: Length & Width = Ceiling Ht. - 4.5' x 5.00 - RCR 4: Length & Width = Ceiling Ht. - 4.5' x 2.50 * Average Footcandles at 2.5' Above Floor * Exceeds spacing criteria by 110% ** Exceeds spacing criteria by 22% *** Exceeds spacing criteria by -4%													
		50.00°	392															12.00'	8 fc	22.7'	4 fc				
		60.00°	260															14.00'	4 fc	31.8'	2 fc				
		70.00°	148															16.00'	3 fc	36.4'	1 fc				
		80.00°	69																						
		90.00°	4																						
Delivered Lumens: 2,007 Luminaire Watts: 18 LER: 111.50		CP at 0deg (Nadir): 847 CRI: 85+		Beam Angle: 97.93 Spacing Ratio: 1.09		Lamp Multiplier: 15L x 0.5728 CCT Multiplier: 27K x 0.971, 30K x 0.985, 40K x 1.03																			



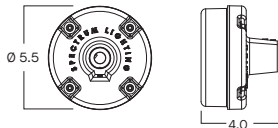
MOUNTING & ACCESSORIES

SOME OPTIONS NOT AVAILABLE ON ALL FIXTURES, CONSULT SPECIFICATION SHEETS. SEE INDIVIDUAL SPECIFICATION SHEETS OR CONSULT FACTORY FOR ADDITIONAL INFORMATION. NOTE: THIS IS TYPICAL OF RLM SPECIFICATION FOR MOUNTING. INDIVIDUAL FIXTURES OR PROJECTS MAY HAVE SPECIALIZED REQUIREMENTS.

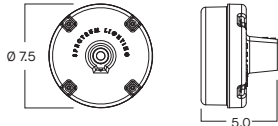


WALL MOUNTING

CP104 - SMALL DRIVER CANOPY (STANDARD)
MAY BE USED AS SPLICE BOX FOR DIRECT FEED
NOT AVAILABLE W/ PA16 & PA16F



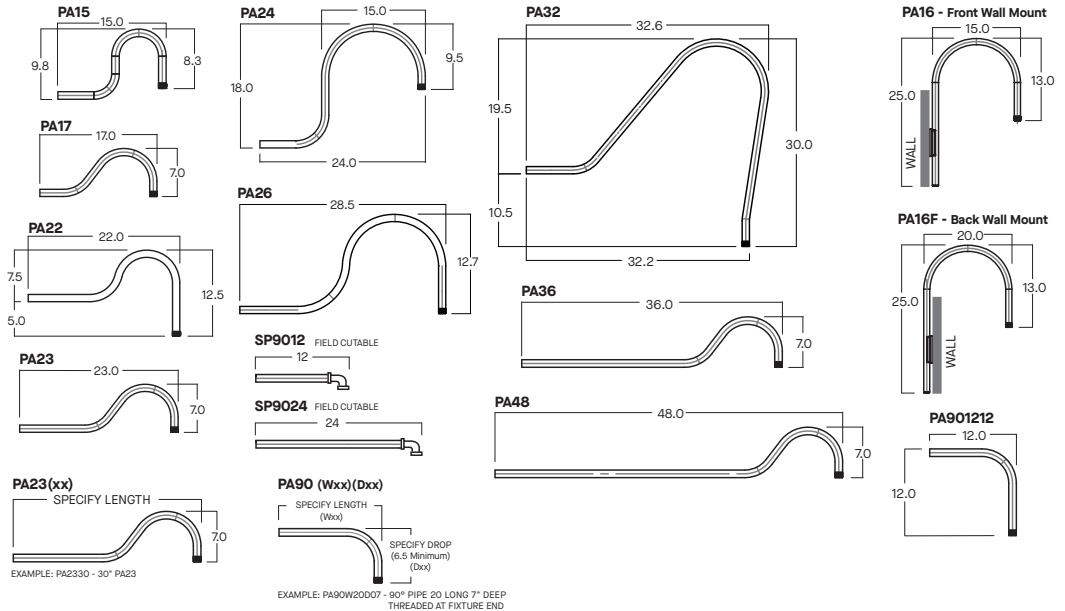
CP106 - LARGE DRIVER CANOPY
MAY BE USED AS SPLICE BOX FOR DIRECT FEED



CP6/RMD - REMOTE MOUNT DRIVER
MOUNTS DIRECTLY TO WALL OR OCTAGON STYLE J-BOX

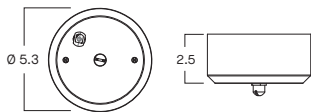


CUSTOM AND OTHER WALL ARMS AVAILABLE - CONTACT FACTORY. ARMS MAY BE FIELD CUT ON WALL SIDE - FIXTURE SIDE THREADED 3/4" NPT REQUIRES SEALANT FOR WET LOCATION.

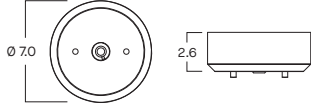


CEILING MOUNTING

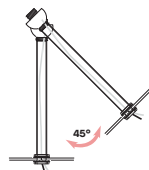
RDC5 - SMALL DRIVER CANOPY (STANDARD)
MOUNTS TO 4" OCTO J-BOX



CP13 - LARGE DRIVER CANOPY



HM*
HANG STRAIGHT
45° SWIVEL 5/8" OD STEM - 3/8" IP



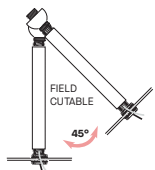
ORDER: HM (Length)
SPECIFY LENGTH:
HM3 - 3" HM24 - 24"
HM6 - 6" HM36 - 36"
HM12 - 12" HM48 - 48"
HM18 - 18" HM72 - 72"
HMLC(xx)
Custom Length
(Specify in inches)

PM*
RIGID PENDANT MOUNT
RIGID 5/8" OD STEM - 3/8" IP



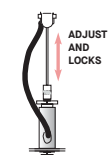
ORDER: PM (Length)
SPECIFY LENGTH:
PM3 - 3" PM24 - 24"
PM6 - 6" PM36 - 36"
PM12 - 12" PM48 - 48"
PM18 - 18" PM72 - 72"
PMLC(xx)
Custom Length
(Specify in inches)

AT**
HANG STRAIGHT ALL THREAD
45° SWIVEL 5/8" OD STEM - 1/4" IP



ORDER: AT (Length)
SPECIFY LENGTH:
AT12 - 12"
AT24 - 24"
AT36 - 36"
AT48 - 48"
AT60 - 60"
AT72 - 72"
FIELD CUT THREADED PIPE TO LENGTH NEEDED CUT PIPE COVER SHIP THREADED PIPE SUPPLIER COVER THREADED PIPE

CD
CORD / CABLE MOUNT
SJ CORD WITH 1/16 SS CABLE



ORDER: CD (Length)
SPECIFY LENGTH:
CD36 - 36"
CD72 - 72"
CD144 - 144"
CDLC(xx)
Custom Length
(Specify in inches)

CM
CORD MOUNT
SJ CORD WITH STRAIN RELIEF

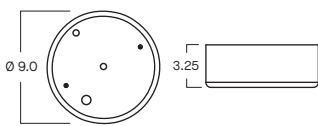


ORDER: CM (Length)
SPECIFY LENGTH:
CM36 - 36"
CM72 - 72"
CM144 - 144"
CMLC(xx)
Custom Length
(Specify in inches)

*MAXIMUM ONE PIECE STEM LENGTH IS 72". **MAXIMUM ONE PIECE STEM LENGTH IS 36". LONGER LENGTHS ARE POSSIBLE USING MULTIPLE STEMS AND COUPLERS.
**ORDER IN 12" INCREMENTS, ODD SIZES MAY BE FIELD CUT

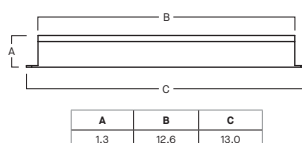
EMERGENCY BATTERY OPTIONS

EMCR - LARGE DRIVER CANOPY FOR 10W EMERGENCY BATTERY

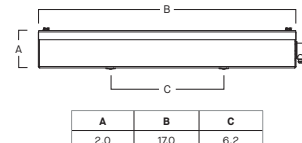


REMOTE EMERGENCY BATTERY OPTIONS

EMRM* - 7W REMOTE EMERGENCY BATTERY (50" MAX)



EMEN* - 7W REMOTE EMERGENCY BATTERY WITH ENCLOSURE (50" MAX)



*OTHER EM BATTERY SIZES AVAILABLE, CONTACT FACTORY.



COLOR OPTIONS - POWDER COAT PAINT FINISHES

NOTE: NO PRINTED IMAGE CAN EQUAL THE EXACT COLOR OF FINISH ON METAL.
SEE INDIVIDUAL SPECIFICATION SHEETS OR CONSULT FACTORY FOR ADDITIONAL INFORMATION.



STANDARD CORD / STEM / CANOPY FINISHES

FIXTURE COLOR	STANDARD CORD COLOR	STANDARD CANOPY / STEM COLOR
Matte White, Textured White	Matte White	Matte White
Gloss White	Matte White	Gloss White
Matte Black, Gloss Black, Textured Black	Matte Black	Matte Black
All Others	Matte Black	Same Color as Fixture
Custom Color	Contact Factory	Contact Factory

PAINT TIMES

TIER	COST	AVERAGE PAINT TIME*
Tier 1 - Standard Finishes	\$	①
Tier 2 - Typical Finishes	\$\$	①①
Tier 3 - Special Metal Finishes	\$\$\$	①①①
Custom Color	Contact Factory	Contact Factory

*CONTACT FACTORY FOR SPECIFIC PRODUCT LEAD TIMES

TIER 1 - STANDARD FINISHES

MW Matte White	GW Gloss White	PT Platinum Silver	MB Matte Black	GB Gloss Black	BZ Bronze

TIER 2 - TYPICAL FINISHES

TW Textured White	TB Textured Black	MT* Textured Silver	OB* Oil Rubbed Bronze	SN Sun Gold	CO Copper Metallic	BR Brecchia	GH Graphite	CH Charcoal	AL Almond	VE Verde Green
BL Blue Streak	RD Red Baron	OR Orange	CM Camel	PL Purple	PG Pub Green	TQ Turquoise	SF Sea Foam	PK Pink	AY Aero Yellow	EG Evergreen
LG Lime Green	LB Light Blue	BY Burgundy	AK Anodic Black	AM Anodic Malachite	AZ Anodic Bronze	AS Anodic Sapphire	AN Anodic Natural	AC Anodic Champagne		

TIER 3 - SPECIAL METAL FINISHES

NOT AVAILABLE ON ALL FIXTURES. PLEASE CONSULT SPECIFICATION SHEETS OR FACTORY FOR AVAILABILITY.

GA* Galvanized	BA**/** Brushed Aluminum	GF* Gold Flake

CUSTOM COLOR FINISHES

CONTACT FACTORY

CC
Custom Color



*UNAVAILABLE FOR WET LOCATION

** UNAVAILABLE FOR INTERIOR



C:\OneDrive\CBI Design Professionals\Arch - Documents\Projects\23019 Yates Refrigerated Storage Building\1. PROJECT & DRAWING INFO\1.E. Surveys, Site Studies & Landscape\23-062 TOP_CBI Presentation.dwg, 5/6/2025 5:16:52 PM, LPaterson



JOB NO.
23019
DRAWN BY
LIP
CDD BY
RG

RELEASE DATE
05/08/2025
REVISION NO.
05/08/2025

ARCHITECTS SEAL

SHEET NO.

CS1

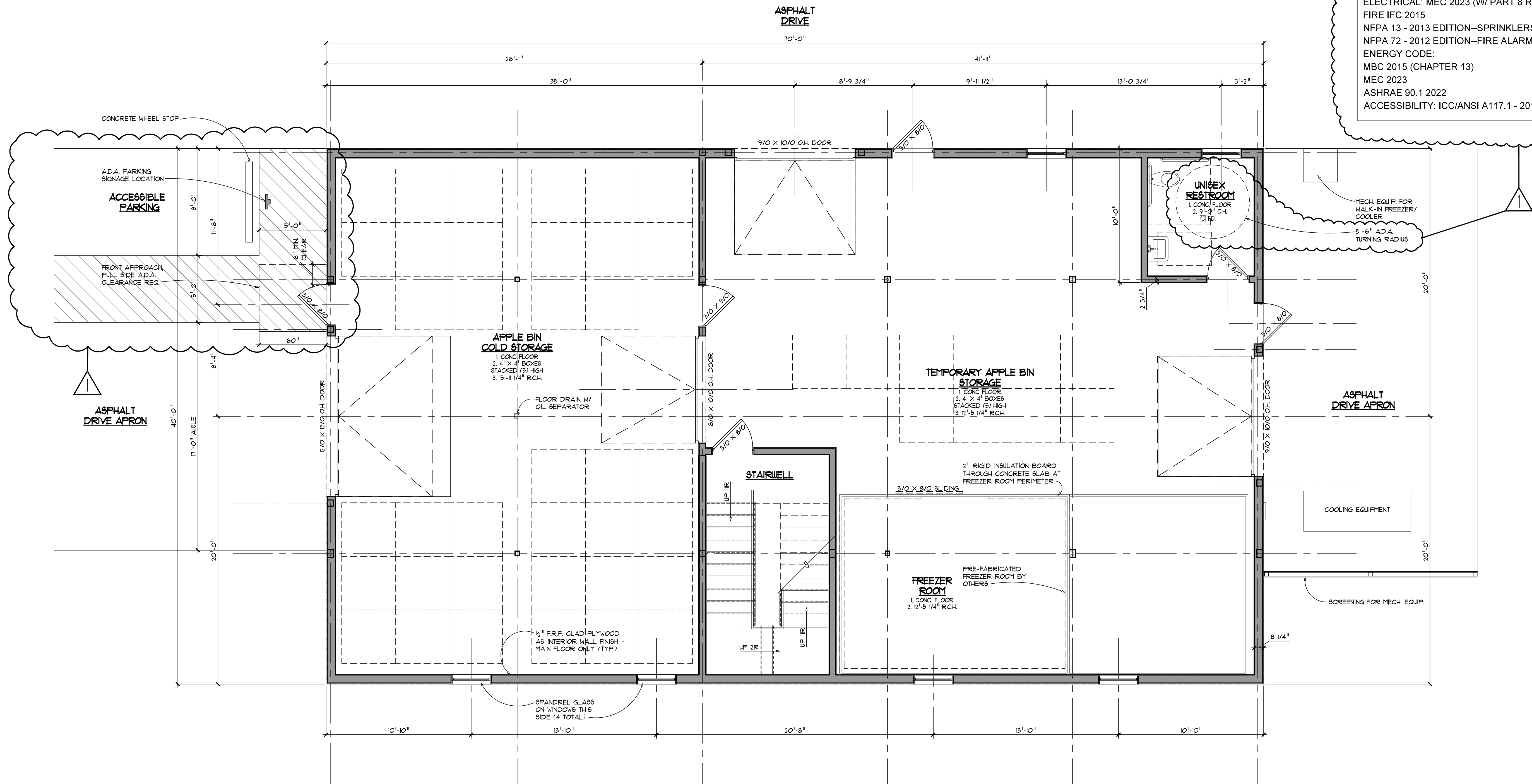
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P: 248.645.2605
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CBI DESIGN PROFESSIONALS

Conceptual Site Plan for
Yates Cider Mill
1950 E Avon Rd., Rochester Hills, MI 48307

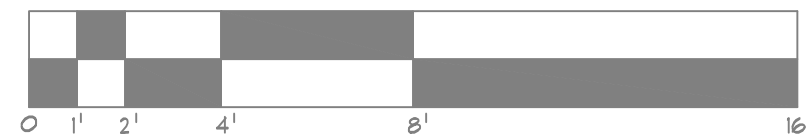
Conceptual Site Plan

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PROPOSED MAIN LEVEL PLAN

SCALE: 1/4" = 1'-0"



FIRST FLOOR AREA = 2,800 SF.
ATTIC LEVEL AREA = 2,029 SF.
TOTAL AREA = 4,829 SF.

REGULATORY DATA

BUILDING OCCUPANCY TYPE:	S2 - LOW HAZARD STORAGE
CONSTRUCTION TYPE:	V B (UN-SPRINKLERED)
BUILDING HEIGHT:	2 STORIES / 34.5 FT (40' MAX)
BUILDING AREA:	2,800 SQ FT (13,500 ALLOWABLE) NOT TAKING ANY BLDG. INCREASES
OCCUPANCY LOAD:	6 PPL (2,800 / 500) (WAREHOUSE)

CODE COMPLIANCE:
BUILDING: MBC 2021
PLUMBING: MPC 2021
MECHANICAL: MMC 2021
ELECTRICAL: MEC 2023 (W/ PART 8 RULES)
FIRE IFC 2015
NFPA 13 - 2013 EDITION--SPRINKLERS (N/A)
NFPA 72 - 2012 EDITION--FIRE ALARM
ENERGY CODE:
MBC 2015 (CHAPTER 13)
MEC 2023
ASHRAE 90.1 2022
ACCESSIBILITY: ICC/ANSI A117.1 - 2017

Proposed Refrigerated Storage Building for
Yates Cider Mill
1950 E Avon Rd., Rochester Hills, MI 48307

JOB NO.
23019
DRAWN BY
LMF
CDD BY
RGC
RELEASE DATE

ISC Submission - 03.12.2025
SPR Re-submission - 05.08.2025

REVISION NO.

ARCHITECTS SEAL

SHEET NO.

DD1

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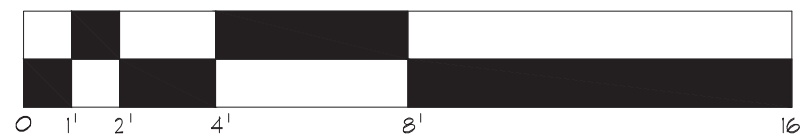
DD Floor Plans

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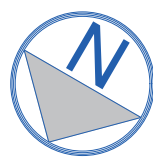
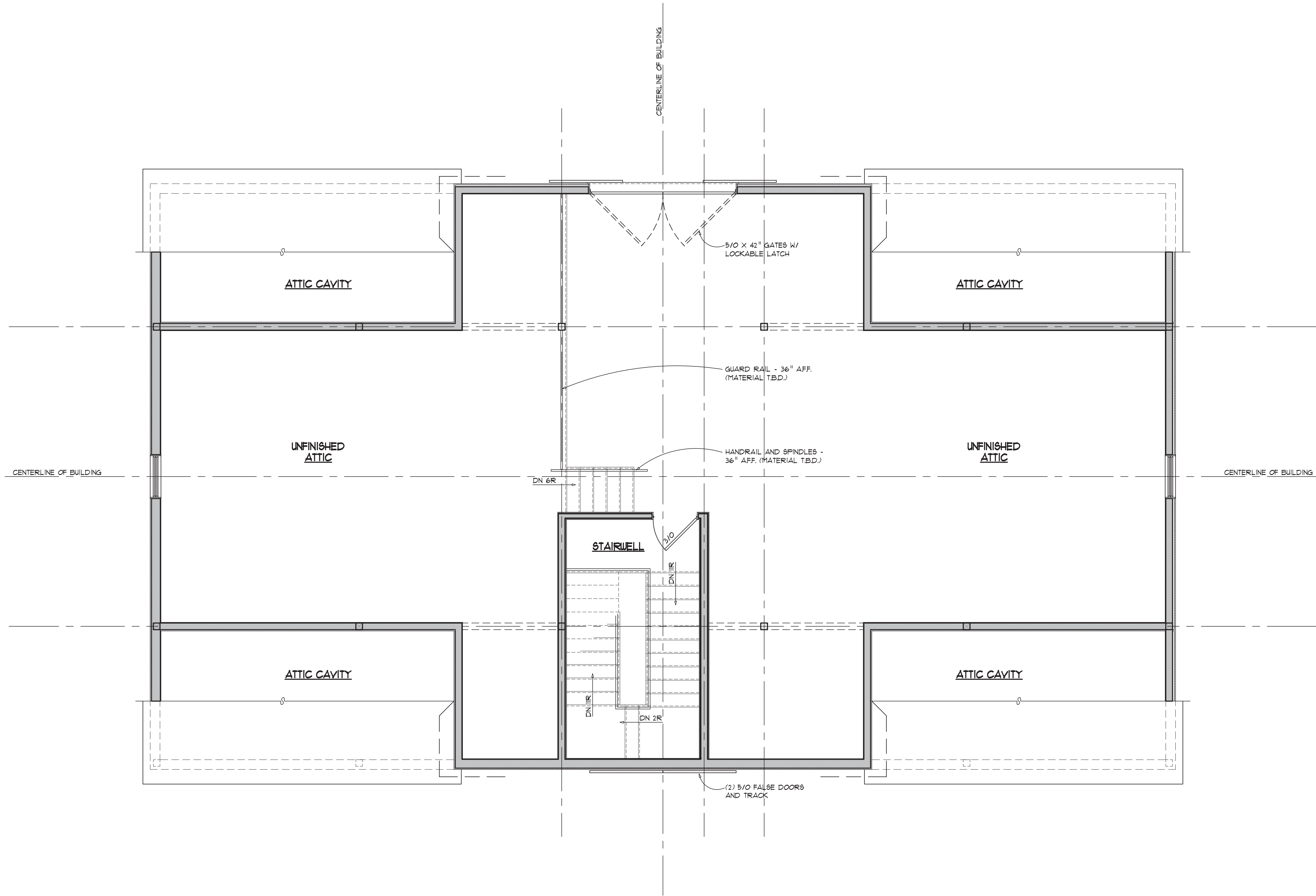
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PROPOSED ATTIC FLOOR PLAN

SCALE: 1/4" = 1'-0"



ATTIC LEVEL AREA = 2,015 SF.



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DD2

SHEET NO.

ARCHITECT'S SEAL

REVISION NO.

HOC Submission - 02.12.2025

RELEASE DATE

RGK

ODD BY

LMF

DRAWN BY

23019

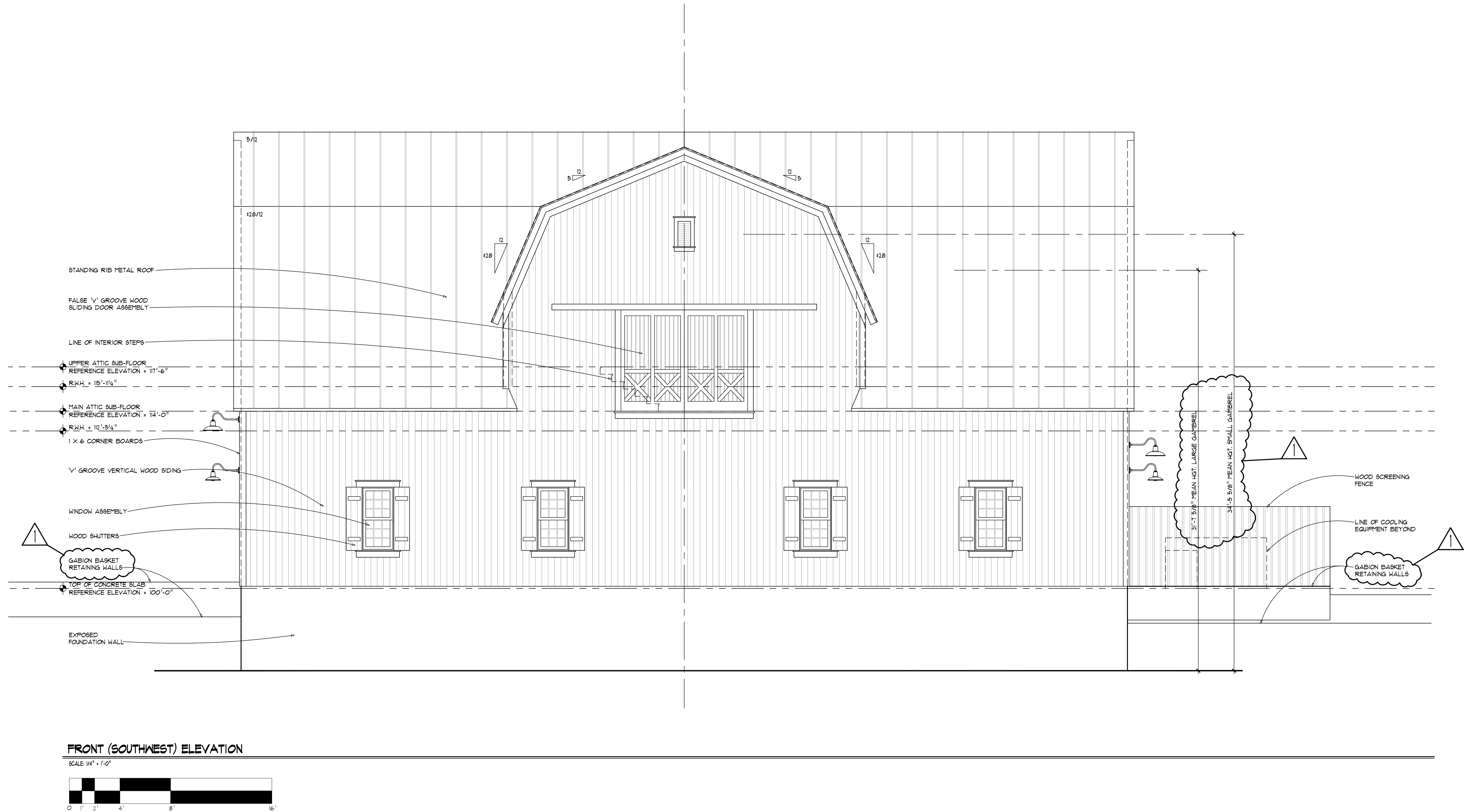
JOB NO.

Proposed Refrigerated Storage Building for
Yates Cider Mill
1950 E Avon Rd., Rochester Hills, MI 48307

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Proposed Refrigerated Storage Building for
Yates Cider Mill
1950 E Avon Rd., Rochester Hills, MI 48307

JOB NO.
23019

DRAWN BY
LIP

COO BY
RG

RELEASE DATE

REVISION NO.

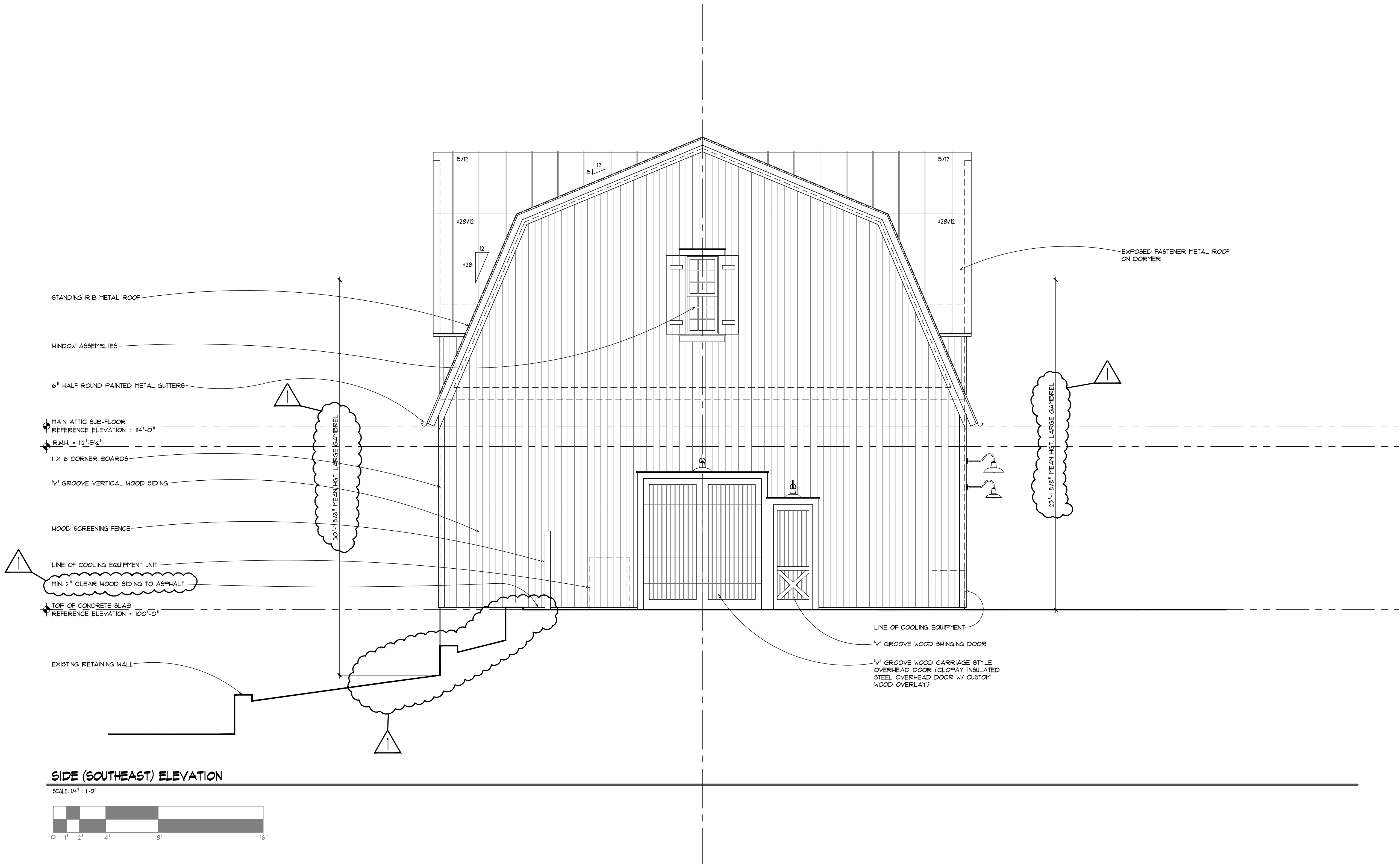
100% Submission - 03.12.2025
SPR Re-submission - 05.08.2025

ARCHITECTS SEAL

SHEET NO.
DD3

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Exterior Elevations



Proposed Refrigerated Storage Building for
Yates Cider Mill
1950 E Avon Rd., Rochester Hills, MI 48307

JOB NO.
23019
DRAWN BY
LIP
CDD BY
RG
RELEASE DATE

WDC Submission - 03.12.2025
SPR Re-submission - 05.08.2025
REVISION NO.

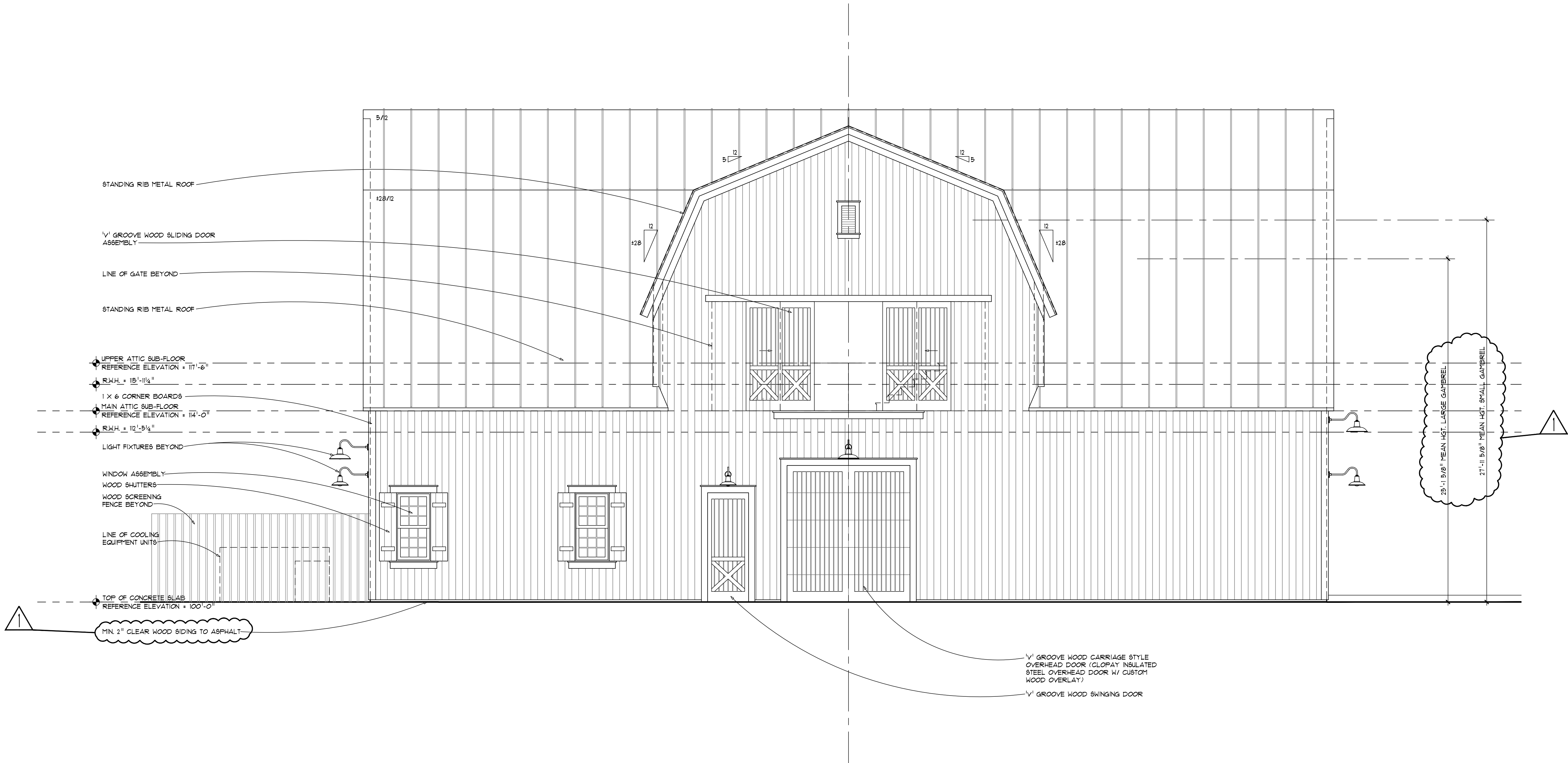
ARCHITECTS SEAL

SHEET NO.

DD4

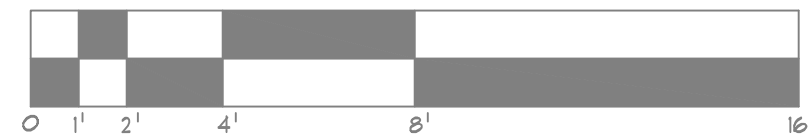
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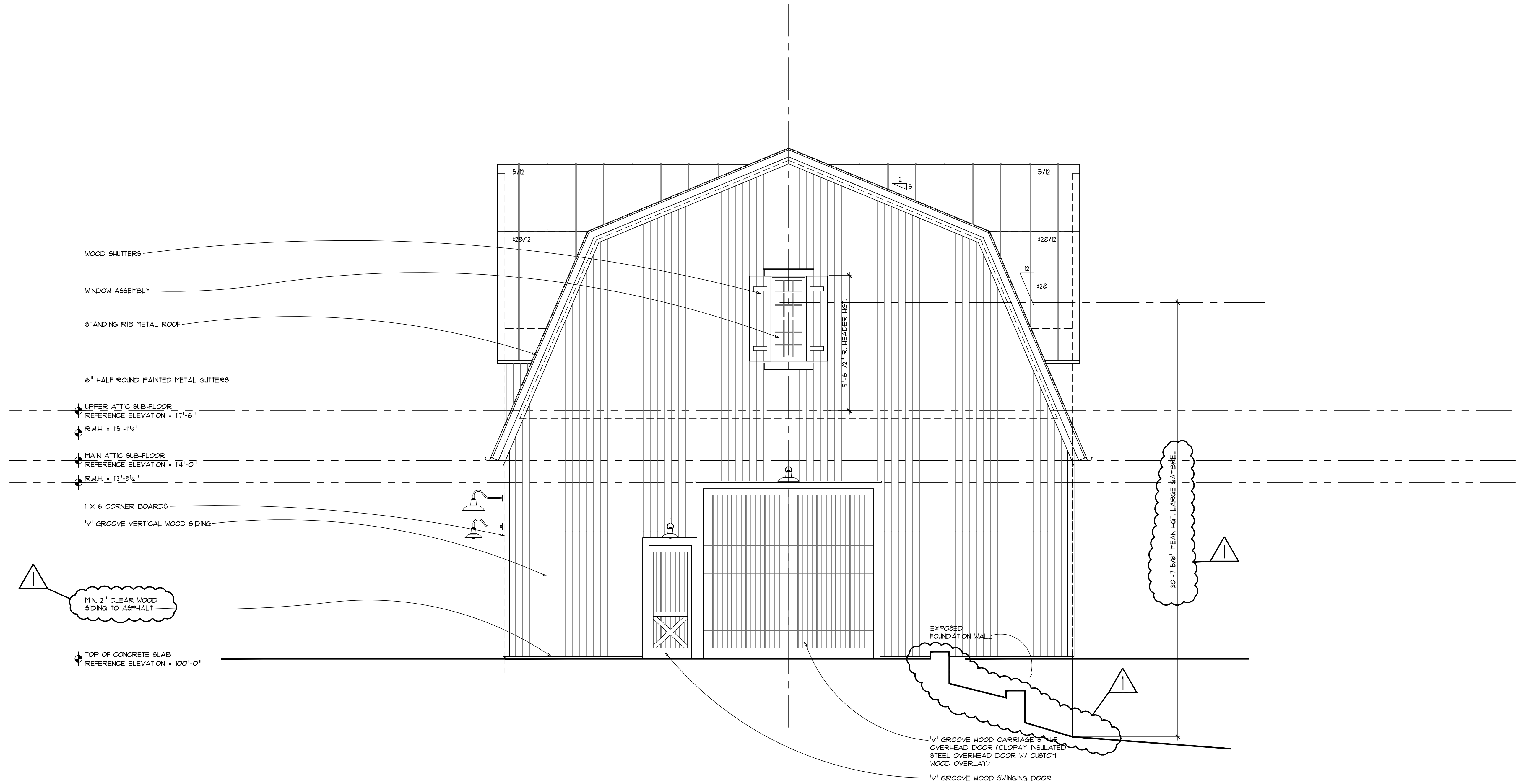


REAR (NORTHEAST) ELEVATION

SCALE: 1/4" = 1'-0"

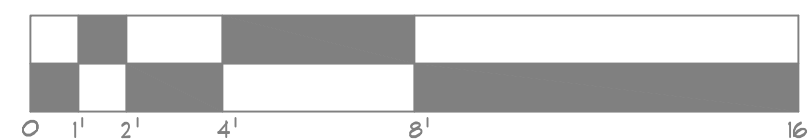


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SIDE (NORTHWEST) ELEVATION

SCALE: 1/4" = 1'-0"



**Proposed Refrigerated Storage Building for
Yates Cider Mill
1950 E Avon Rd., Rochester Hills, MI 48307**

JOB NO.	23019
DRAWN BY	LIP
COO BY	RGC
RELEASE DATE	

HDC Submission - 03.12.2025
SPR Re-submission - 05.08.2025

REVISION NO.

ARCHITECTS SEAL

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VIEW FROM STREET (NORTHWEST)

NO SCALE



VIEW FROM EXISTING MILL BUILDING (NORTHWEST)

NO SCALE



SIDE VIEW (WEST)

NO SCALE



STREET VIEW (WEST)

NO SCALE



FRONT VIEW (SOUTHWEST)

NO SCALE



FRONT VIEW (SOUTHWEST)

NO SCALE



SIDE VIEW (SOUTHEAST)

NO SCALE



SIDE VIEW (EAST)

NO SCALE

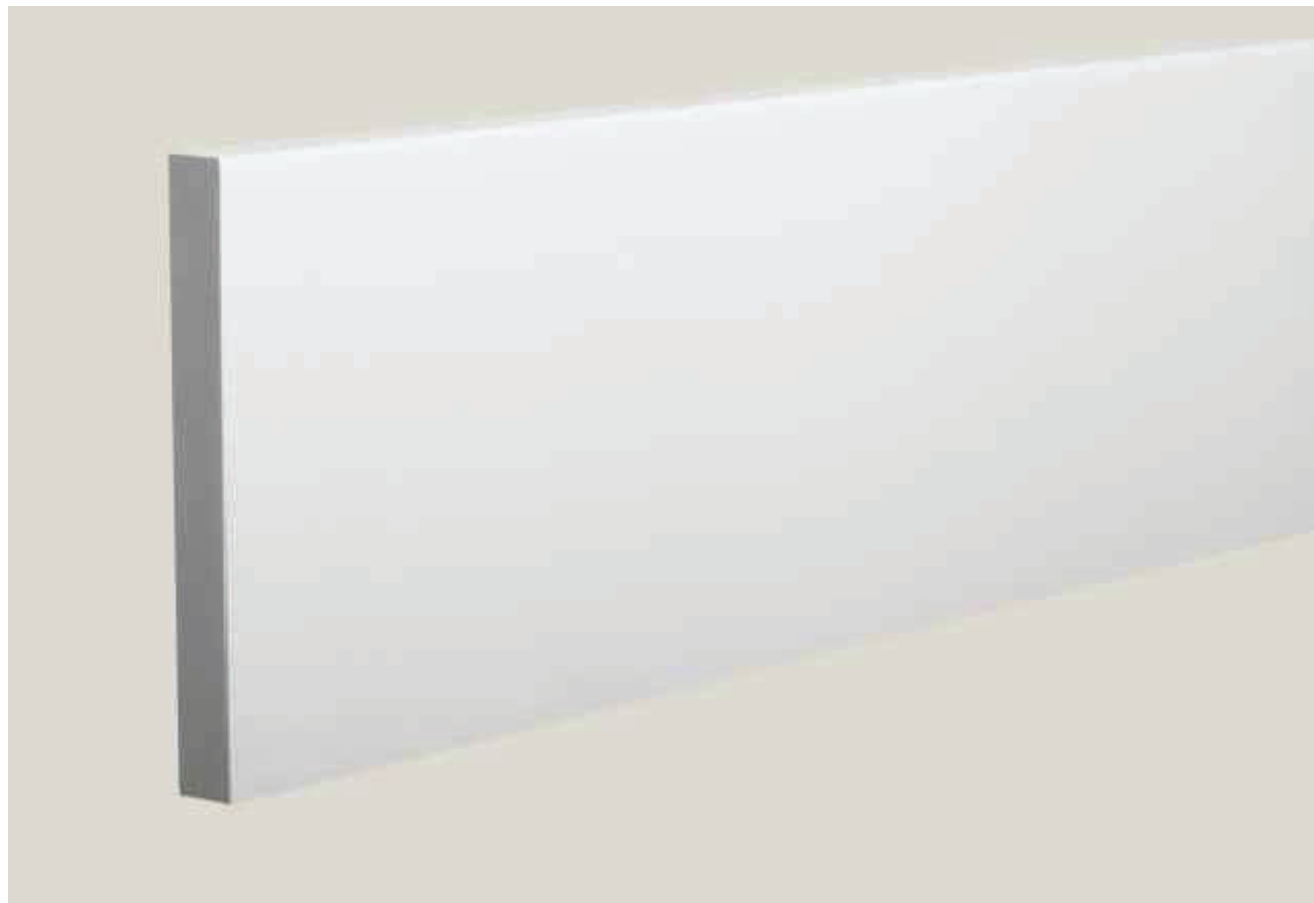


REAR VIEW (NORTHEAST)

NO SCALE



STANDING RIB METAL ROOF -
ANODIZED ALUMINUM



TRIM BOARDS - PAINTED WOOD - SW 6168
(MODERNE WHITE)



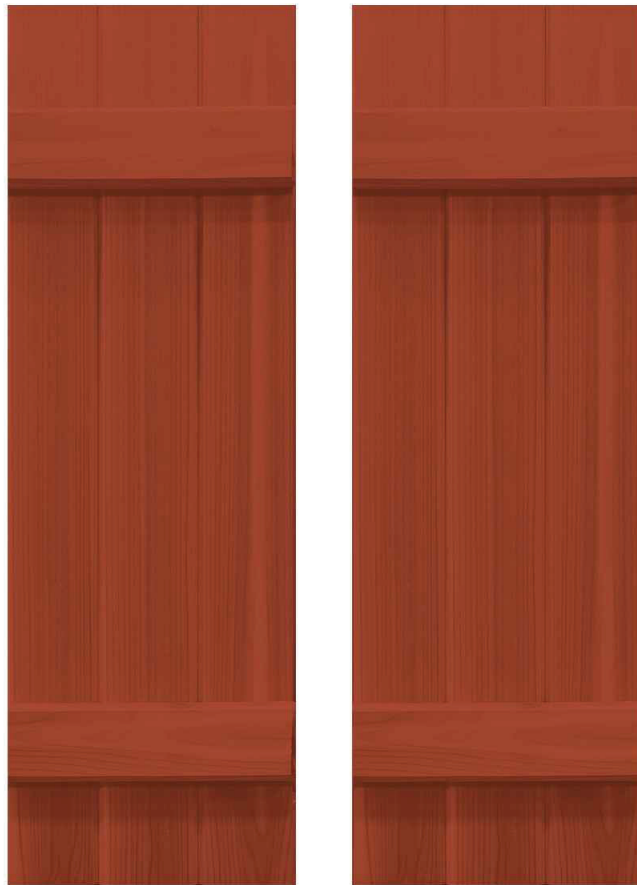
6" HALF ROUND GUTTERS - PAINTED METAL



WOOD V-GROOVE VERTICAL SIDING - PAINTED -
BM 2171-10 (NAVAJO RED)



WINDOWS - ANDERSEN '400' SERIES - SDL -
DOUBLE HUNG - WHITE



WOOD PLANK SHUTTERS - PAINTED - BM 2171-10
(NAVAJO RED)

Proposed Refrigerated Storage Building for
Yates Cider Mill
1950 E Avon Rd., Rochester Hills, MI 48307

JOB NO.
23019
DRAWN BY
LIP
CDD BY
RGC

RELEASE DATE
Preliminary Material Review: 10.15.2024
HDC Submission: 02.12.2025
REVISION NO.

ARCHITECTS SEAL

SHEET NO.

DD8

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EXISTING MILL REFERENCE IMAGES

NO SCALE



EXISTING MILL REFERENCE IMAGES (LOOKING AT PROPOSED NEW BUILDING LOCATION)

NO SCALE



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MICHIGAN 48009

P 248 644 3410
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YATES CIDER MILL
COLD STORAGE
1950 E Avon Road
Rochester Hills, MI 48307

PROJECT

Landscape Development
Planting Plan

SHEET TITLE

1/16"=1'-0"

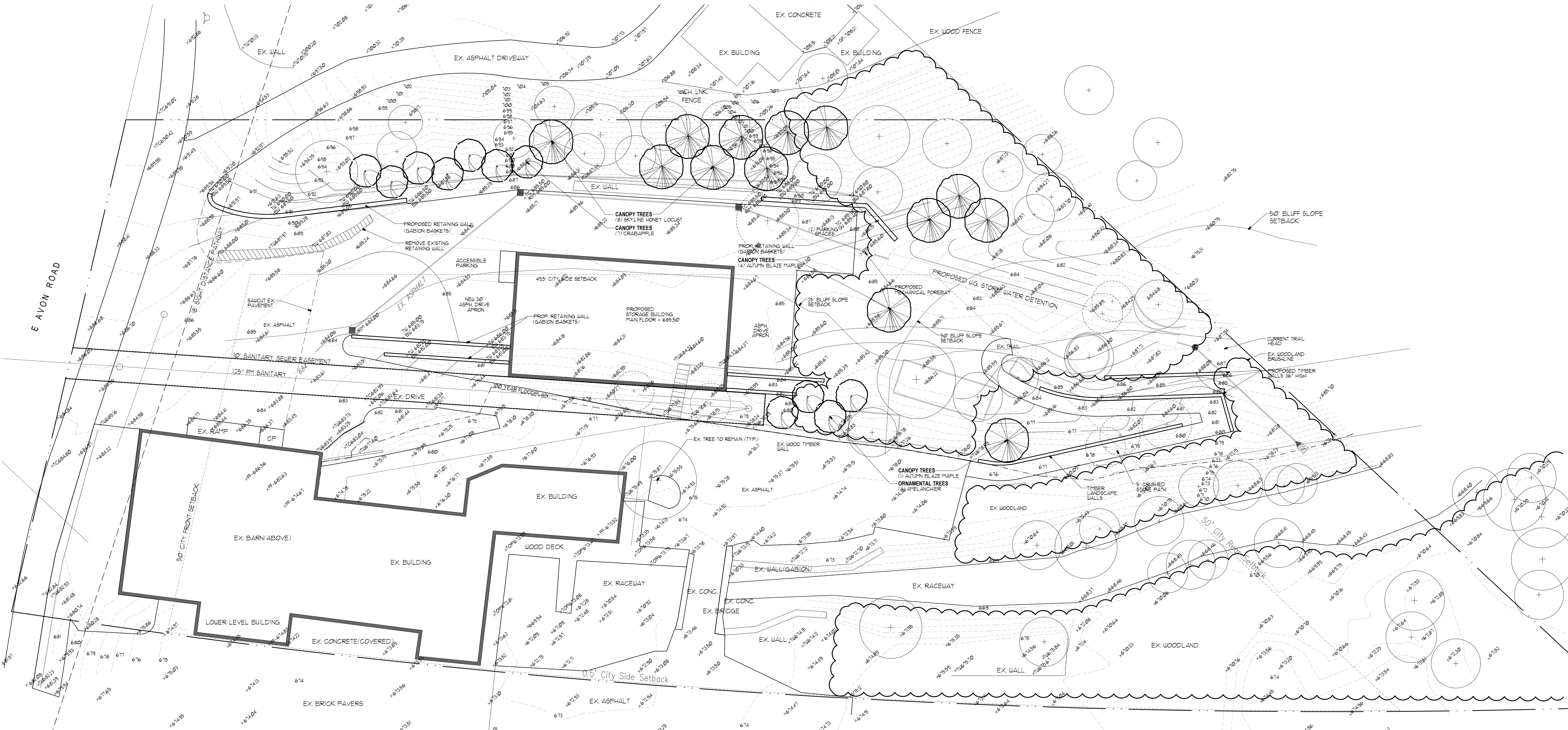
SCALE

PROJECT NUMBER: 24138
DRAWN: M. Bayer
CHECKED: T. Shoemaker
DATE: December 18, 2024
REVISIONS: February 12, 2025
May 8, 2025



Know what's below.
Call before you dig.

L1



PERIMETER TREE CALCULATIONS

REQUIRED PERIMETER LANDSCAPING	
PERIMETER LANDSCAPING: FIRST 100' FROM AVON ROAD, 1 DECIDUOUS TREE FOR EVERY 25 LINEAR FEET	8 CANOPY TREES REQUIRED
PERIMETER LANDSCAPING: FIRST 100' FROM AVON ROAD, 1 ORNAMENTAL TREE FOR EVERY 35 LINEAR FEET	6 ORNAMENTAL TREES REQUIRED
14 TOTAL REQUIRED TREES	14 TOTAL PROVIDED TREES

RIGHT OF WAY TREE CALCULATIONS

REQUIRED RIGHT OF WAY LANDSCAPING:	
STREET TREES SHALL BE PLANTED AT A MIN. CONCENTRATION OF ONE (1) TREE PER 35 LINEAR FEET OF ROW.	161 L.F. 5 TREES REQUIRED
ORNAMENTAL TREES SHALL BE PLANTED AT A MIN. ONE (1) TREE FOR EVERY 35 LINEAR FEET OF ROW, FRONTAGE	161 L.F. 5 TREES REQUIRED
10 TOTAL REQUIRED TREES	10 TOTAL PROVIDED TREES

LANDSCAPE BUFFER TREES

ADJOINING ZONE BUFFER	
NORTH & SOUTH ADJACENT LOTS ARE ZONED NB & CB	0 REQ. TREES
SOUTHWEST PARCEL ACROSS CLINTON RIVER & PARKING LOT ZONE R3	1 TYPE D SCREENING REQ.
SCREENING PROVIDED DUE TO EXISTING WOODLANDS	0 TOTAL PROVIDED TREES

TOTAL TREES

TOTAL REQUIRED TREES: RIGHT OF WAY + PERIMETER	13 CANOPY TREES & 11 ORNAMENTAL TREES
TOTAL PROVIDED TREES: RIGHT OF WAY + PERIMETER	13 CANOPY TREES & 11 ORNAMENTAL TREES

TREE NOTES:

- INTERIOR PARKING LOT TREE PLANTING OF 5% OF TOTAL VEHICULAR AREA IS NOT APPLICABLE IN REQ. CALCULATIONS DUE TO LESS THAN REQUIRED PARKING SPACES PROPOSED (20) - INTERIOR LANDSCAPE REQUIREMENTS NOT NEEDED
- DUE TO EXISTING SITE CONDITIONS, THE APPLICANT REQUESTS A MODIFICATION TO ORDINANCE REQUIRED RIGHT-OF-WAY AND PERIMETER TREE LOCATIONS. ALL REQUIRED TREES WILL BE ACCOUNTED FOR ELSEWHERE ON SITE, BUT CANNOT BE LOCATED WITHIN THE FIRST 100' OF THE PROPERTY DUE TO EXISTING BUILDINGS, DRIVEWAYS AND SITE DISTANCE PATHWAY REQUIREMENTS.

TREE CONSERVATION (REFER TO SHEET CS1.0 FOR EXISTING TREE LIST)

EXISTING TREES:	
TOTAL EXISTING TREES 6" CALIPER OR GREATER:	103
TOTAL EXISTING TREES LESS THAN 6" CALIPER:	7
TOTAL EXISTING TREES: 110	

REGULATED TREE PRESERVATION:

TOTAL EXISTING REGULATED TREES, 6-8" CALIPER:	20/103
TOTAL EXISTING REGULATED TREES, 9"+ CALIPER:	83/103
EXISTING REGULATED TREES TO BE REMOVED, 6-8" CALIPER:	0/20
EXISTING REGULATED TREES TO BE REMOVED, 9"+ CALIPER:	7/83
EXISTING REGULATED TREES TO REMAIN, 6-8" CALIPER:	20/20
EXISTING REGULATED TREES TO REMAIN, 9"+ CALIPER:	76/83

TREE PRESERVATION, 6-8" CALIPER:	100%
TREE PRESERVATION, 9"+ CALIPER:	91%
TREE PRESERVATION, OVERALL:	81%

REMOVAL & REPLACEMENT TREES

- TOTAL OF (17) REGULATED TREES TO BE REMOVED (PER CS 1.0)
- #502, 539, 560 & 565 REGULATED TREE REQUIRING 1 TO 1 REPLACEMENT W/ 2" TREE
 - #503, 522 & 566 SPECIMEN TREES REQUIRING 50% REPLACEMENT: (32" X 50%)=16" (OR 18" 2" TREES)
 - TOTAL 2" CALIPER REPLACEMENT REQUIRED: (11) TREES
- TOTAL SPECIMEN TREES ON SITE TO BE PRESERVED: (22) TREES
- SPECIMEN TREES WITH 24" OR GREATER DBH CREDITS (1) 2" TREE TOWARDS REPLACEMENTS

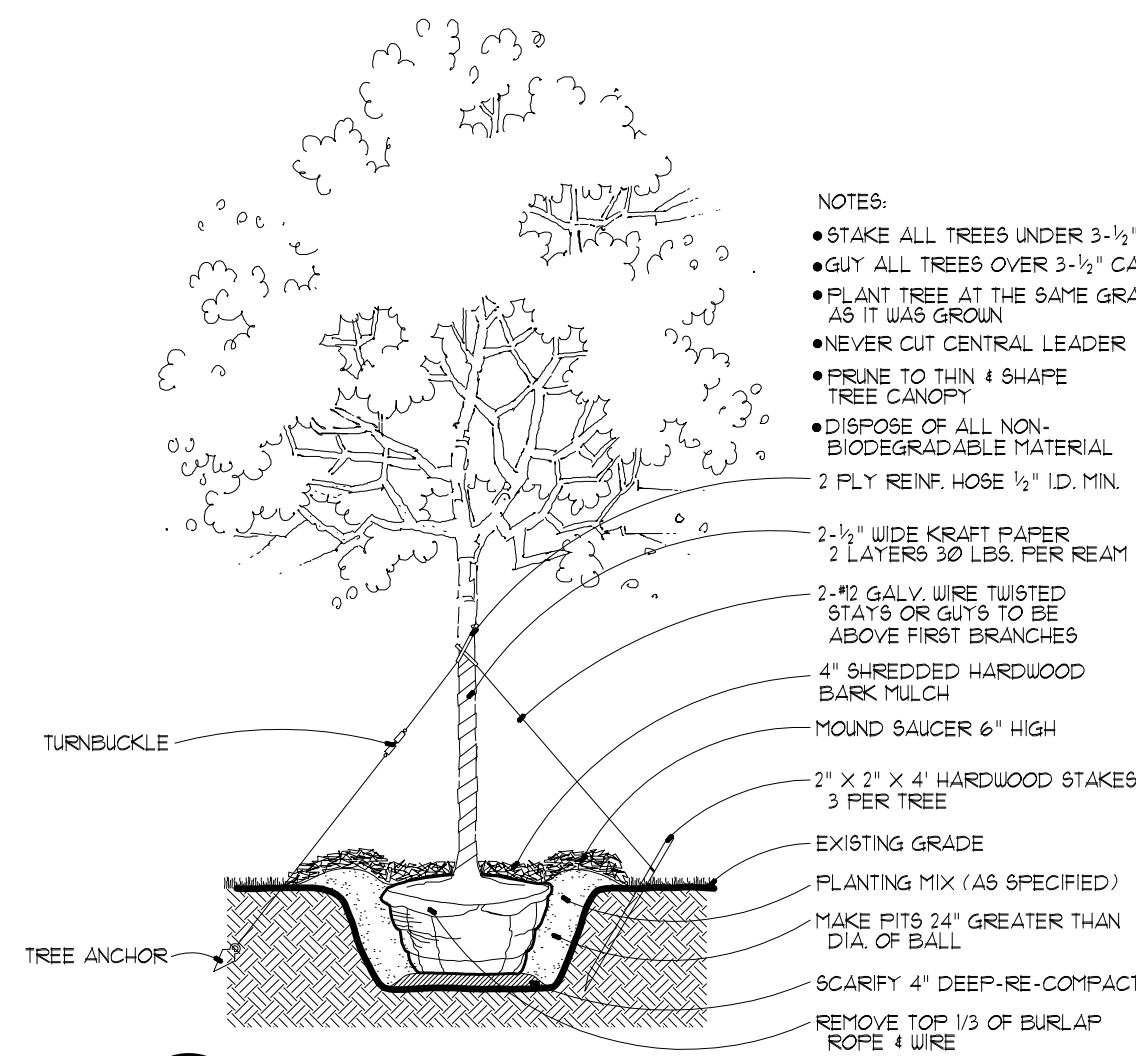
NO ADDITIONAL REPLACEMENT TREES REQUIRED
(12 REQUIRED-22 CREDITS+SURPLUS OF 10 TREES)

PLANT & MATERIAL SCHEDULE

Qty.	Botanical Name	Common Name	Size	Root	Comments
Deciduous Trees					
8	Gleditsia triacanthos f. inermis	Skyline Honey Locust	2 1/2-3" cal.	B4B	Full uniform heads, single stem
5	Acer x freemanii	Autumn Blaze Maple	2 1/2-3" cal.	B4B	Full uniform heads, single stem
7	Malus 'Coralcole'	Coralburst Crabapple	2 1/2-3" cal.	B4B	Full uniform heads, single stem
4	Amelanchier canadensis	Shadow Serviceberry	2 1/2-3" cal.	B4B	Full uniform heads, min. 3 canes

IRRIGATION NOTES

- INSTALL UNDERGROUND AUTOMATIC IRRIGATION SYSTEM FOR ALL PROPOSED TREES.
- USE SEPARATE ZONES FOR LAWN, DECIDUOUS SHRUBS, AND EVERGREEN SHRUBS.
- WATER SOURCED FROM CITY WATER/ BUILDING TAP
- OWNER TO DECIDE IRRIGATION CONTROLLER LOCATION.
- EACH TREE WILL BE WATERED BY INDIVIDUAL DRIP RINGS.



Deciduous Tree Planting

Section

No Scale

P 248 644 3410
www.midul.com

PROJECT

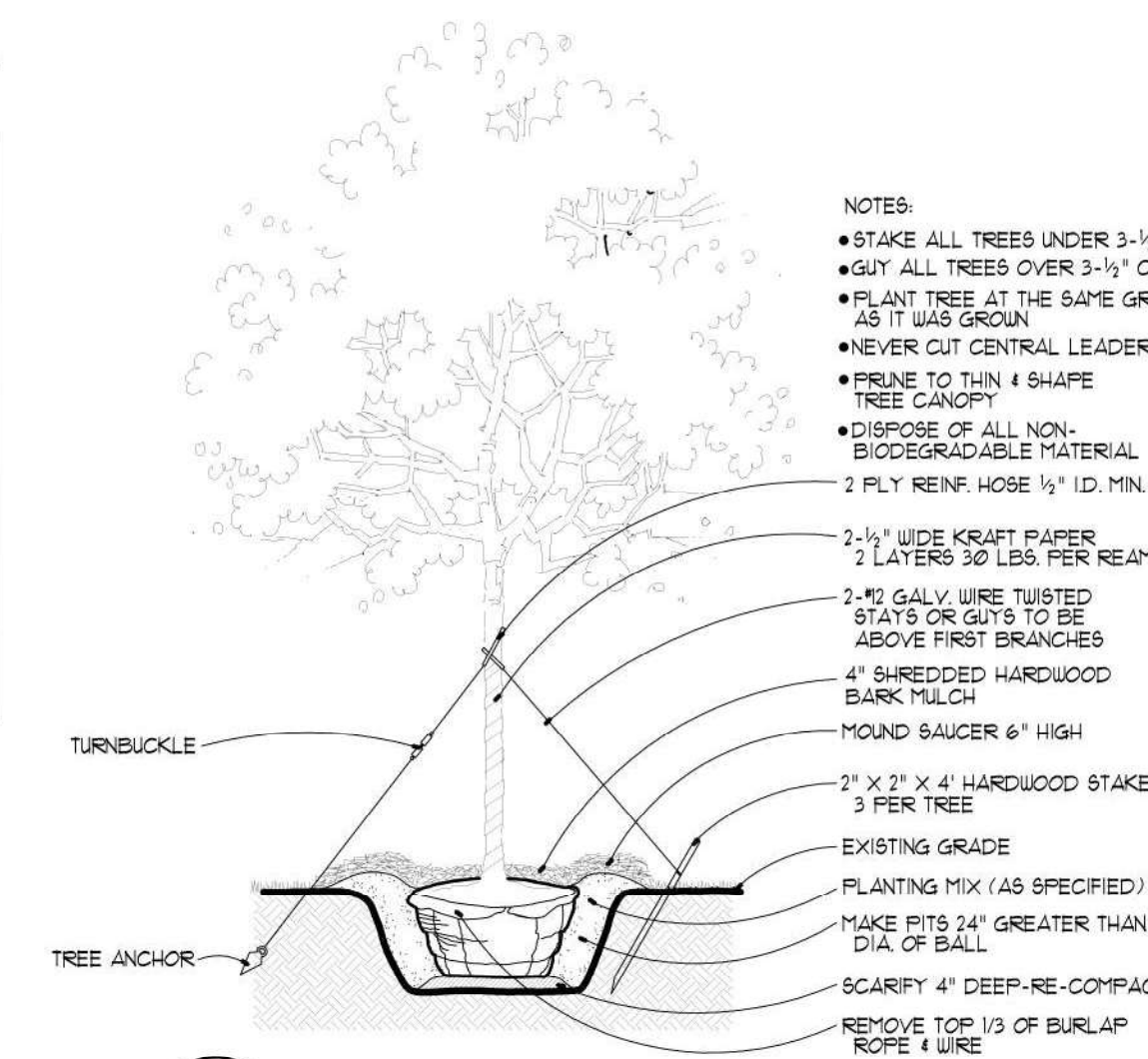
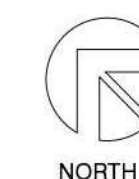
SHEET TITLE

SCALE

PROJECT NUMBER:	24136
DRAWN:	M. Bayer
CHECKED:	T. Shoemaker
DATE:	December 18, 2024
REVISIONS:	February 12, 2025 May 8, 2025

Know what's below.
Call before you dig

L1



Deciduous Tree Planting

No Scal



6 ORNAMENTAL
TREES REQUIRED

Ø TOTAL PROVIDED TREES

161 L.F.
5 TREES REQUIRED

'TYPE D'
SCREENING REQ.

TOTAL PROVIDED TREES:
RIGHT OF WAY + PERIMETER

- (1) INTERIOR PARKING LOT TREE PLANTING OF 5% OF TOTAL VEHICULAR AREA IS NOT APPLICABLE IN REQ. CALCULATIONS DUE TO LESS THAN REQUIRED PARKING SPACES PROPOSED (20) - INTERIOR LANDSCAPE REQUIREMENTS NOT NEEDED.
- (2) DUE TO EXISTING SITE CONDITIONS, THE APPLICANT REQUESTS A MODIFICATION TO ORDINANCE REQUIRED RIGHT-OF-WAY AND PERIMETER TREE LOCATIONS. ALL REQUIRED TREES WILL BE ACCOUNTED FOR ELSEWHERE ON SITE, BUT CANNOT BE LOCATED WITHIN THE FIRST 100' OF THE PROPERTY DUE TO EXISTING BUILDINGS, DRIVEWAYS AND SITE DISTANCE PATHWAY REQUIREMENTS.

TOTAL EXISTING TREES: 110

TREE PRESERVATION, 6-8" CALIPER:	100%
TREE PRESERVATION, 9"+ CALIPER:	91%
TREE PRESERVATION OVERALL:	87%

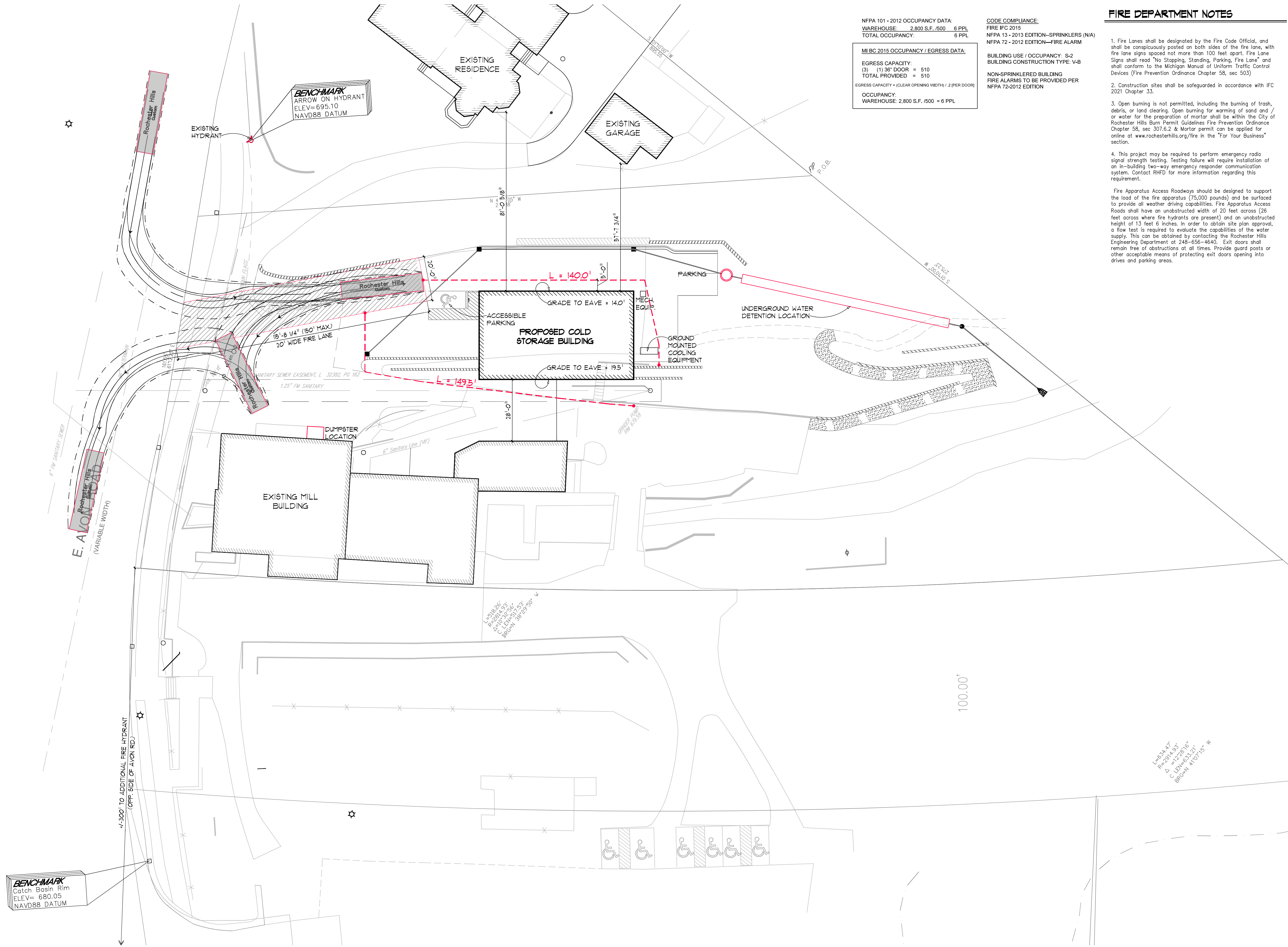
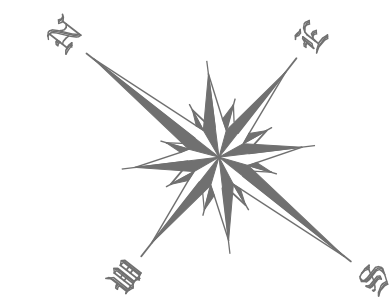
TOTAL OF (71) REGULATED TREES TO BE REMOVED (PER CS 10)
 * #02, 539, 560 & 565 REGULATED TREE REQUIRING 1 TO 1
 REPLACEMENT W/ 2" TREE
 * #03, 522 & 566 6SPECIMEN TREES REQUIRING 50%
 REPLACEMENT: (32" x 50% =) 16" (OR) (2" TREE)
 * TOTAL 2" CALIPER REPLACEMENT REQUIRED: (11) TREES
 TOTAL SPECIMEN TREES ON SITE TO BE PRESERVED: (22) TREES
 - SPECIMEN TREES WITH 24" OR GREATER DBH CREDITS (1) 2"
 TREE TOWARDS REPLACEMENTS

NO ADDITIONAL REPLACEMENT TREES REQUIRED
(12 REQUIRED-22 CREDITS=SURPLUS OF 10 TREES)

Qty.	Botanical Name	Common Name	Size	Root	Comments
	Deciduous Trees				
8	<i>Gleditsia triacanthos</i> f. <i>inermis</i>	Skyline Honey Locust	2 1/2-3" cal.	B4B	Full uniform heads, single stem
5	<i>Acer x freemanii</i>	Autumn Blaze Maple	2 1/2-3" cal.	B4B	Full uniform heads, single stem
7	<i>Malus 'Coralcole'</i>	Coralburst Crabapple	2 1/2-3" cal.	B4B	Full uniform heads, single stem
4	<i>Amelanchier canadensis</i>	Shadblow Serviceberry	2 1/2-3" cal.	B4B	Full uniform heads, min. 3 canes

- 1.) INSTALL UNDERGROUND AUTOMATIC IRRIGATION SYSTEM FOR ALL PROPOSED TREES.
- 2.) USE SEPARATE ZONES FOR LAWN, DECIDUOUS SHRUBS, AND EVERGREEN SHRUBS.
- 3.) WATER SOURCED FROM CITY WATER/ BUILDING TAP
- 4.) OWNER TO DECIDE IRRIGATION CONTROLLER LOCATION.
- 5.) EACH TREE WILL BE WATERED BY INDIVIDUAL DRIP RINGS.

C:\OneDrive\CB Design Professionals\Arch - Documents\Projects\23019 Yates Cider Mill Refrigerated Storage Building\1. PROJECT & DRAWING INFO\1.E. Surveys, Site Studies & Landscape\23019 - Fire Safety Diagram.dwg, 5/7/2025 3:38:44 PM, Ifranzoni



FIRE PROTECTION PLAN

SCALE: 1" = 20'

NFPA 101 - 2012 OCCUPANCY DATA:
WAREHOUSE: 2,800 S.F. /500 = 6 PPL
TOTAL OCCUPANCY: 6 PPL

MI BC 2015 OCCUPANCY / EGRESS DATA:
EGRESS CAPACITY:
(3) (1) 36" DOOR = 510
TOTAL PROVIDED = 510
EGRESS CAPACITY = (CLEAR OPENING WIDTH) / 2 (PER DOOR)

OCCUPANCY:
WAREHOUSE: 2,800 S.F. /500 = 6 PPL

CODE COMPLIANCE:
FIRE IFC 2015
NFPA 13 - 2013 EDITION--SPRINKLERS (N/A)
NFPA 72 - 2012 EDITION--FIRE ALARM

BUILDING USE / OCCUPANCY: S-2
BUILDING CONSTRUCTION TYPE: V-B
NON-SPRINKLERED BUILDING
FIRE ALARMS TO BE PROVIDED PER
NFPA 72-2012 EDITION

FIRE DEPARTMENT NOTES

1. Fire Lanes shall be designated by the Fire Code Official, and shall be conspicuously posted on both sides of the fire lane, with fire lane signs spaced not more than 100 feet apart. Fire Lane Signs shall read "No Stopping, Standing, Parking, Fire Lane" and shall conform to the Michigan Manual of Uniform Traffic Control Devices (Fire Prevention Ordinance Chapter 58, sec 503)
 2. Construction sites shall be safeguarded in accordance with IFC 2021 Chapter 33.
 3. Open burning is not permitted, including the burning of trash, debris, or land clearing. Open burning for warming of sand and / or water for the preparation of mortar shall be within the City of Rochester Hills Burn Permit Guidelines Fire Prevention Ordinance Chapter 58, sec 307.6.2 & Mortar permit can be applied for online at www.rochesterhills.org/fire in the "For Your Business" section.
 4. This project may be required to perform emergency radio signal strength testing. Testing failure will require installation of an in-building two-way emergency responder communication system. Contact RHFD for more information regarding this requirement.
- Fire Apparatus Access Roadways should be designed to support the load of the fire apparatus (75,000 pounds) and be surfaced to provide all weather driving capabilities. Fire Apparatus Access Roads shall have an unobstructed width of 20 feet across (26 feet across where fire hydrants are present) and an unobstructed height of 13 feet 6 inches. In order to obtain site plan approval, a flow test is required to evaluate the capabilities of the water supply. This can be obtained by contacting the Rochester Hills Engineering Department at 248-656-4640. Exit doors shall remain free of obstructions at all times. Provide guard posts or other acceptable means of protecting exit doors opening into drives and parking areas.

JOB NO.
23019

DRAWN BY
LMF

CDD BY
RGC

RELEASE DATE

REVISION NO.

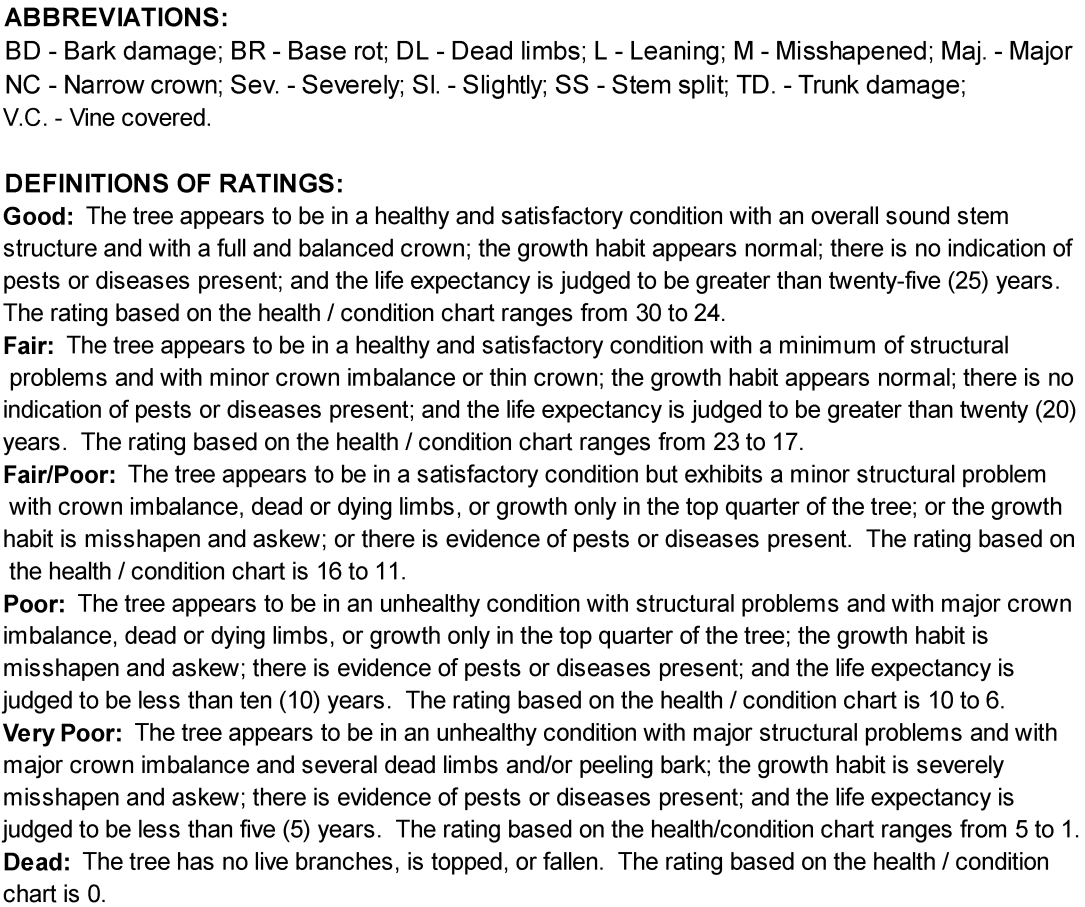
ARCHITECTS SEAL

SHEET NO.
FPP-1

CB Design Professionals
838 W. Long Lake, Suite 110
Bloomfield Hills, MI 48302
P: 248.645.2605
F: 248.647.7307
www.cbdesign.net
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Refrigerated Storage Building for
Yates Cider Mill
1950 E Avon Rd., Rochester Hills, MI 48307

[illegible]

Scale:	1"=20'
Drawn:	TCS
Checked:	TCS
Approved:	TCS
Date:	2/08/2025
Job. no.	23-062
Sheet No.	C3.1

Sujak Engineering PLC

CIVIL ENGINEERING PLANNING DESIGN

4031 Coudage Highway
Troy, MI 48068

Phone: (248) 885-8433
Fax: (248) 885-8432
Email: SujakEngineering@Comcast.net

Seal

STATE OF MICHIGAN

TEON C
SUJAK

License No.
6201046896

LICENSED PROFESSIONAL ENGINEER

Teon C. Sujak, P.E. No. 046896

1950 E. Avon Rd
Rochester Hills, MI 48307
Parcel # 15-13-427-002
Removal & Preservation
Plan

1950 E. Av
Rochester Hills,
Parcel # 15-13-
Tree Removal &
Plan