

MU2021-0005 PSP2023-0007 Revision #4 Received 6/27/2024

City of Rochester Hills Planning & Economic Development

Site Plan Review

Reviewed for compliance with City Ordinance, Building and Fire Codes Conditions and mark-ups noted throughout plan set must be addressed prior to final

Department	Reviewer	Approved
Assessing	Assessing	Yes
Building	Mark Artinian 248-841-2446 ArtinianM@RochesterHills.org	Yes
Engineering Utilities	Jason Boughton 248-841-2490 BoughtonJ@RochesterHills.org	Yes
Engineering Legal	Jenny McGuckin 248-841-2494 mcguckinj@rochesterhills.org	YES Date:07/01/2024
Fire	Capt. Ann Echols 248-841- EcholsA@RochesterHills.org	2701 Yes
Natural Resources	Matt Einheuser 248-841-2551 EinheuserM@RochesterHills.org	Yes
Planning	Chris McLeod 248-841-2572 mcleodc@RochesterHills.org	Yes
Traffic	Keith Depp 248-841-2503 DeppK@RochesterHills.org	Yes

Civil Engineer **Next Steps:** Plans to be forwarded to City Council for consideration.

46777 Woodward Ave. Pontiac, MI 48342-5032

Contact: Patrick Williams, P.E. Tel. (248) 332-7931 Fax. (248) 332-8257

Architect

MICHAEL A. BOGGIO ASSOCIATES 30150 Telegraph Rd. Suite 150 Bingham Farms, MI 48025

Phone: (248) 258-5155

LEGAL DESCRIPTION

LAND SITUATED IN THE CITY OF ROCHESTER HILLS IN THE COUNTY OF OAKLAND IN THE STATE OF MI

THE LAND IS DESCRIBED AS FOLLOWS: A PARCEL OF LAND LOCATED IN THE SOUTHWEST 1/4 OF SECTION 30, TOWN 3 NORTH, RANGE 11 EAST, CITY OF ROCHESTER HILLS, OAKLAND COUNTY, MICHIGAN, MORE PARTICULARLY DESCRIBED AS:

COMMENCING AT THE WEST 1/4 CORNER (AS REMONUMENTED) OF SAID SECTION 30 AND PROCEEDING ALONG THE EAST AND WEST 1/4 LINE NORTH 85 DEGREES 49 MINUTES 02 SECONDS EAST 823.73 FEET; THENCE SOUTH 07 DEGREES 21 MINUTES 28 SECONDS EAST 66.85 FEET TO THE POINT OF BEGINNING; THENCE NORTH 82 DEGREES 38 MINUTES 29 SECONDS EAST 531.04 FEET; THENCE SOUTH 11 DEGREES 53 MINUTES 53 SECONDS EAST 144.77 FEET; THENCE NORTH 82 DEGREES 38 MINUTES 32 SECONDS EAST 169.46 FEET; THENCE ALONG THE WEST RIGHT-OF-WAY LINE OF MARKETPLACE CIRCLE (60 FEET WIDE) THE FOLLOWING FOUR (4) COURSES: 1) 122.60 FEET ALONG THE ARC OF A CURVE TO RIGHT, RADIUS 470.00 FEET, CENTRAL ANGLE 14 DEGREES 56 MINUTES 46 SECONDS, AND A CHORD THAT BEARS SOUTH 00 DEGREE 19 MINUTES 32 SECONDS WEST 122.26 FEET, 2) SOUTH 07 DEGREES 47 MINUTES 53 SECONDS WEST 121.81 FEET, 3) 143.15 FEET ALONG THE ARC OF A CURVE TO THE RIGHT, RADIUS 470.00 FEET, CENTRAL ANGLE 17 DEGREES 27 MINUTES 04 SECONDS, AND A CHORD THAT BEARS SOUTH 16 DEGREES 31 MINUTES 26 SECONDS WEST 142.60 FEET AND 4) 57.02 FEET ALONG THE ARC OF A CURVE TO THE LEFT, RADIUS 530.00 FEET, CENTRAL ANGLE 06 DEGREES 09 MINUTES 50 SECONDS, AND A CHORD THAT BEARS SOUTH 22 DEGREES 10 MINUTES 03 SECONDS WEST 56.99 FEET; THENCE NORTH 79 DEGREES 54 MINUTES 04 SECONDS WEST 58.24 FEET; THENCE NORTH 82 DEGREES 12 MINUTES 07 SECONDS WEST 164.66 FEET; THENCE NORTH 08 DEGREES 30 MINUTES 03 SECONDS EAST 141.36 FEET; THENCE 194.39 FEET ALONG THE ARC OF A CURVE TO THE LEFT, RADIUS 970.00 FEET, CENTRAL ANGLE 11 DEGREES 28 MINUTES 55 SECONDS AND A CHORD THAT BEARS NORTH 88 DEGREES 36 MINUTES 41 SECONDS WEST 194.06 FEET; THENCE SOUTH 85 DEGREES 38 MINUTES 52 SECONDS WEST 128.81 FEET; THENCE NORTH 02 DEGREES 02 MINUTES 36 SECONDS WEST 15.01 FEET; THENCE SOUTH 85 DEGREES 38 MINUTES 52

SECONDS WEST 83.16 FEET ALONG THE CENTERLINE OF A 60 FOOT WIDE INGRESS AND EGRESS EASEMENT FOR A PRIVATE ROAD KNOWN AS INDUSTRIAL DRIVE; THENCE NORTH 07 DEGREES 21 MINUTES 28 SECONDS WEST 310.95 FEET TO THE POINT OF BEGINNING.

CONTAINING 262,812 SQUARE FEET OR 6.033 ACRES.

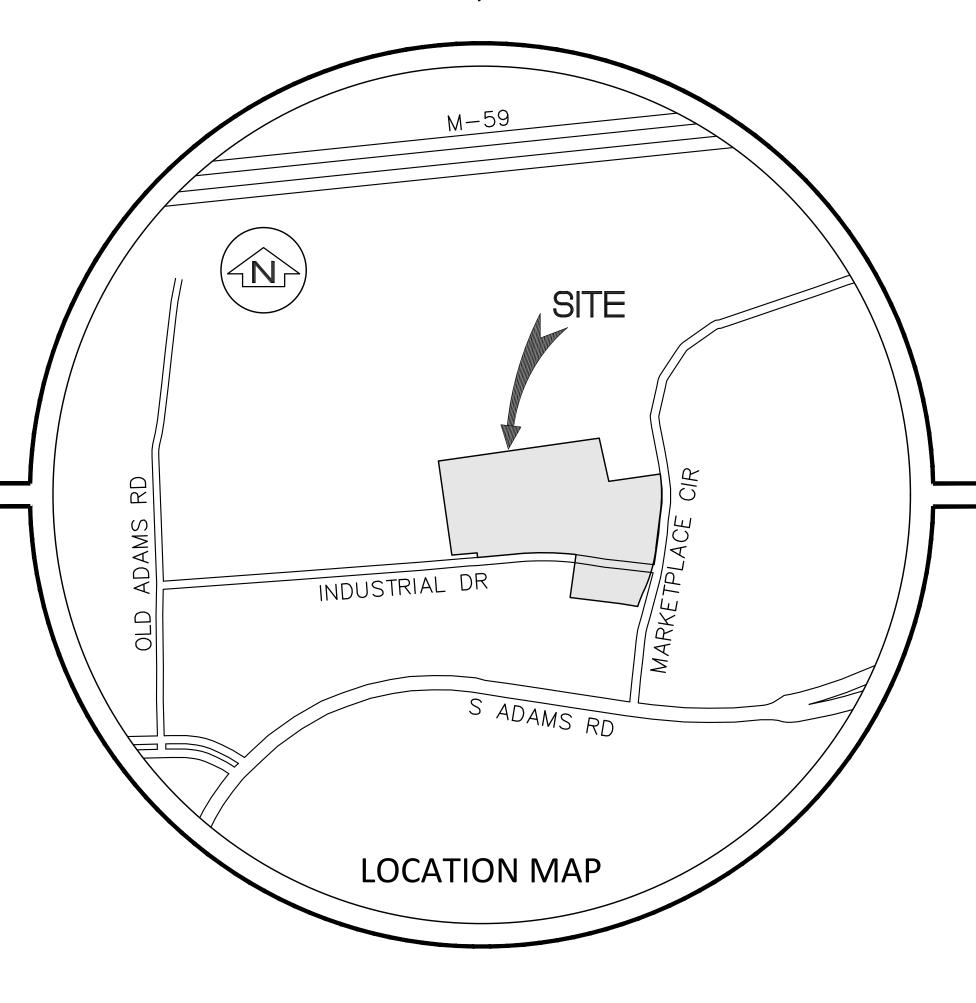
VACANT

TAX ID: 15-30-301-042

TAX ID: NEW PARCEL FOR 2020: 15-30-301-043

City of Rochester Hills, Oakland County, Michigan SITE PLAN DOCUMENTS

PART OF THE SOUTHWEST $\frac{1}{4}$ OF SECTION 30, TOWN 3 NORTH, RANGE 11 EAST



Project Name

Marketplace of Rochester Hills

SHEET INDEX

- SPO Cover Sheet
- SP1 Boundary Topographic Tree Survey
- SP2 Stringer Dimension Plan
- SP3 Fire Truck Turning
- SP4 Engineering Site Plan
- SP5 Site Notes and Details SP6 Storm Water Management Plan
- SP7 Storm Sewer Calculations
- L1 Tree Preservation Plan
- L2 Landscape Plan
- L3 Landscape Notes and Details

Photometric Plan

- A-1.1 Building 'A' Floor Plan Athletic Facility
- A-1.2 Building 'A' Elevations Athletic Facility
- A-2.1 Building 'B' Floor Plan Light Industrial/Office
- A-2.2 Building 'B' Elevations Light Industrial/Office
- A-3.1 Building 'C' Floor Plan Restaurant/Drive-Thru
- A-3.2 Building 'C' Elevations Restaurant/Drive-Thru A-4.1 Building 'D' Floor Plan - Retail
- A-4.2 Building 'D' Elevations Retail



N & F JOB #L762-01



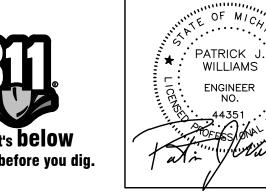
REVISIONS:

02-27-2024 ISSUED FOR SP REVIEW

04-08-2024 REVISED PER CITY

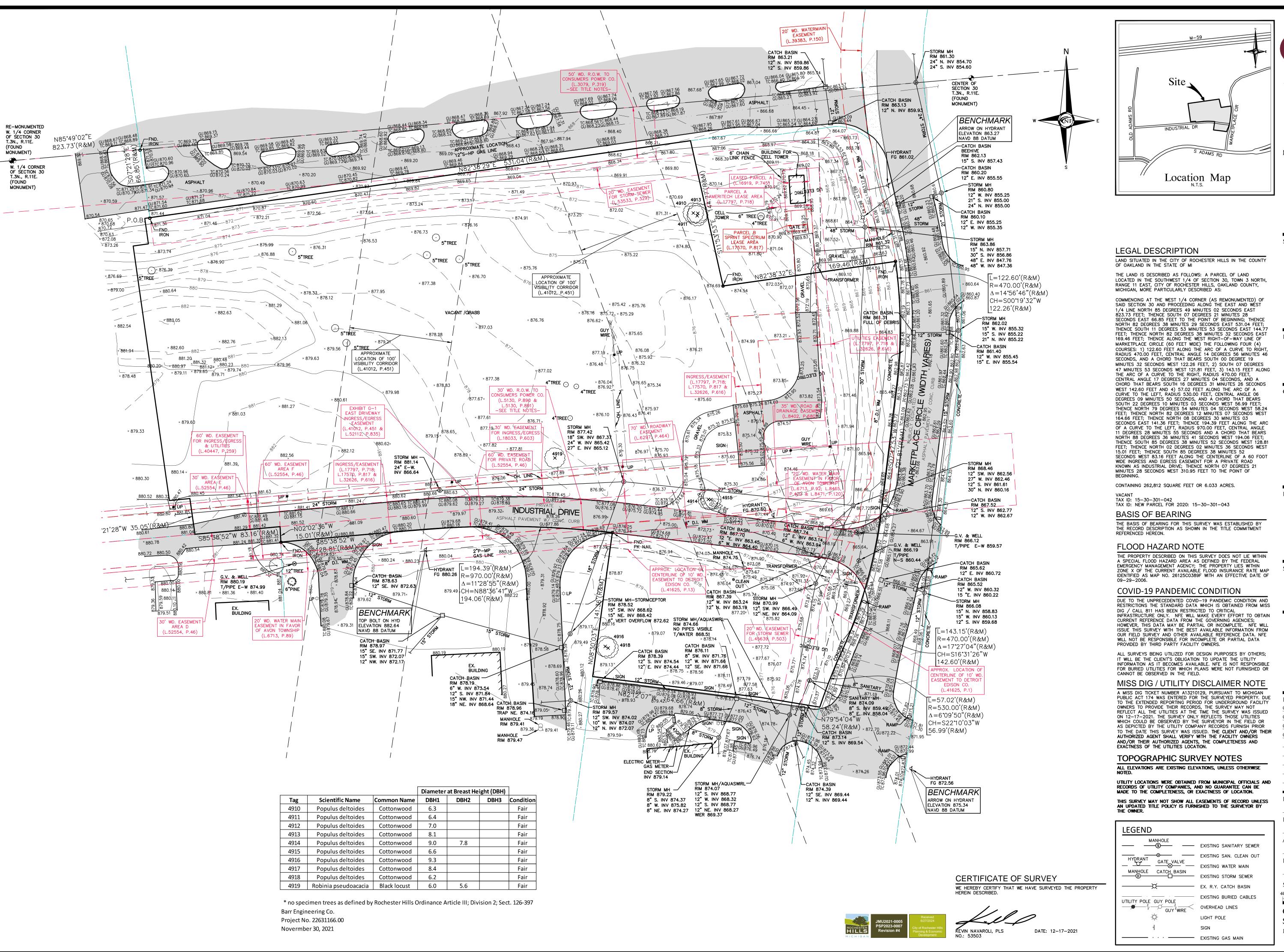
05-16-2024 REVISED PER CITY

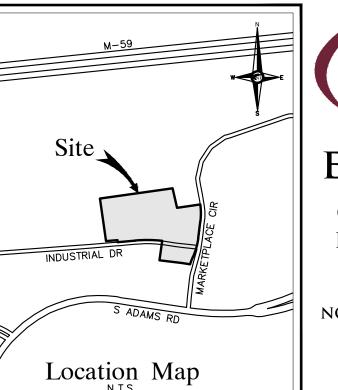
06-19-2024 REVISED PER CITY

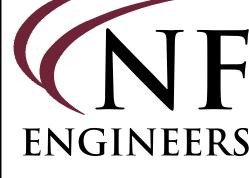




NOWAK & FRAUS ENGINEERS 46777 WOODWARD AVE. PONTIAC, MI 48342-5032 TEL. (248) 332-7931 FAX. (248) 332-8257 WWW.NFE-ENGR.COM

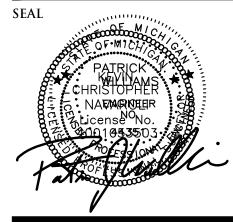






CIVIL ENGINEERS LAND SURVEYORS LAND PLANNERS

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



Marketplace of Rochester Rochester Hills, MI 48309

Grenadier Adams MP, LLC Contact: Josh Grenadier Ph-248-752-1748

PROJECT LOCATION

Part of the SW. 1/4 of Section 30, T.3N., R.11E., City of Rochester Hills, Oakland County, MI

Boundary - Topographic -Tree Survey



ISSUED/REVISED 02-27-2024 ISSUED FOR SP REVIEW 04-08-2024 REVISED PER CITY 05-16-2024 REVISED PER CITY 06-19-2024 REVISED PER CITY

DRAWN BY:

D. McConkey **DESIGNED BY:**

APPROVED BY:

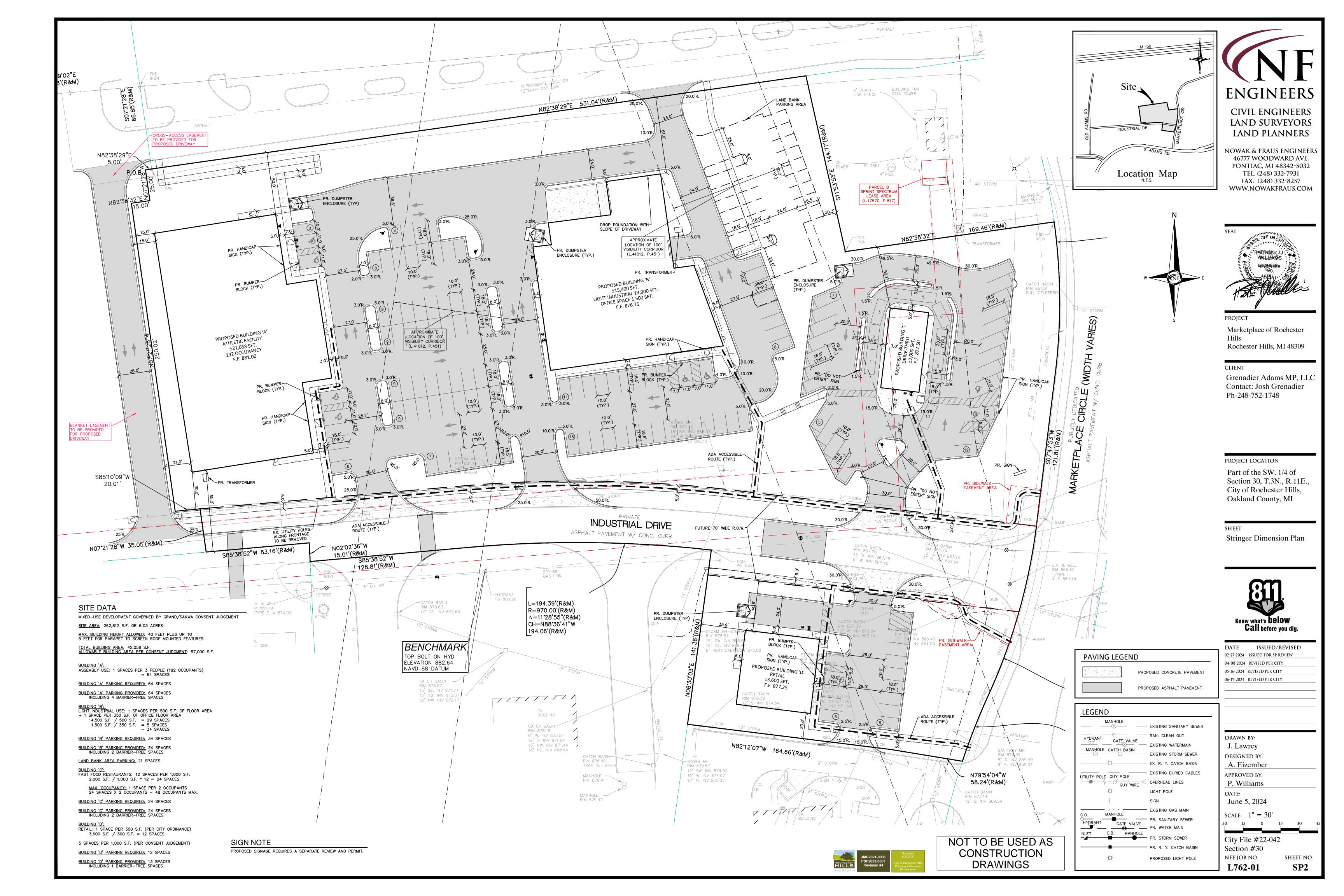
June 5, 2024

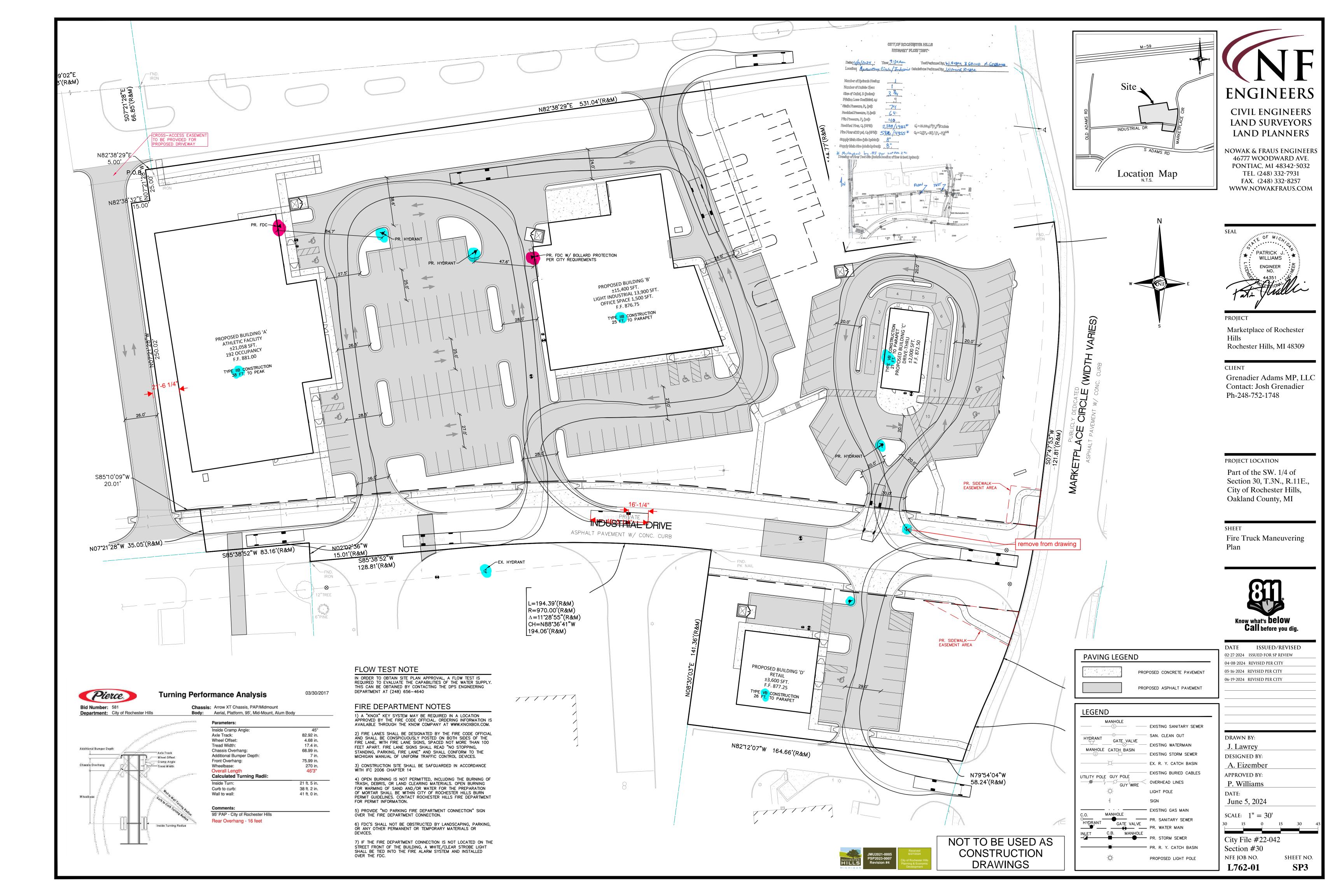
K. Navaroli DATE:

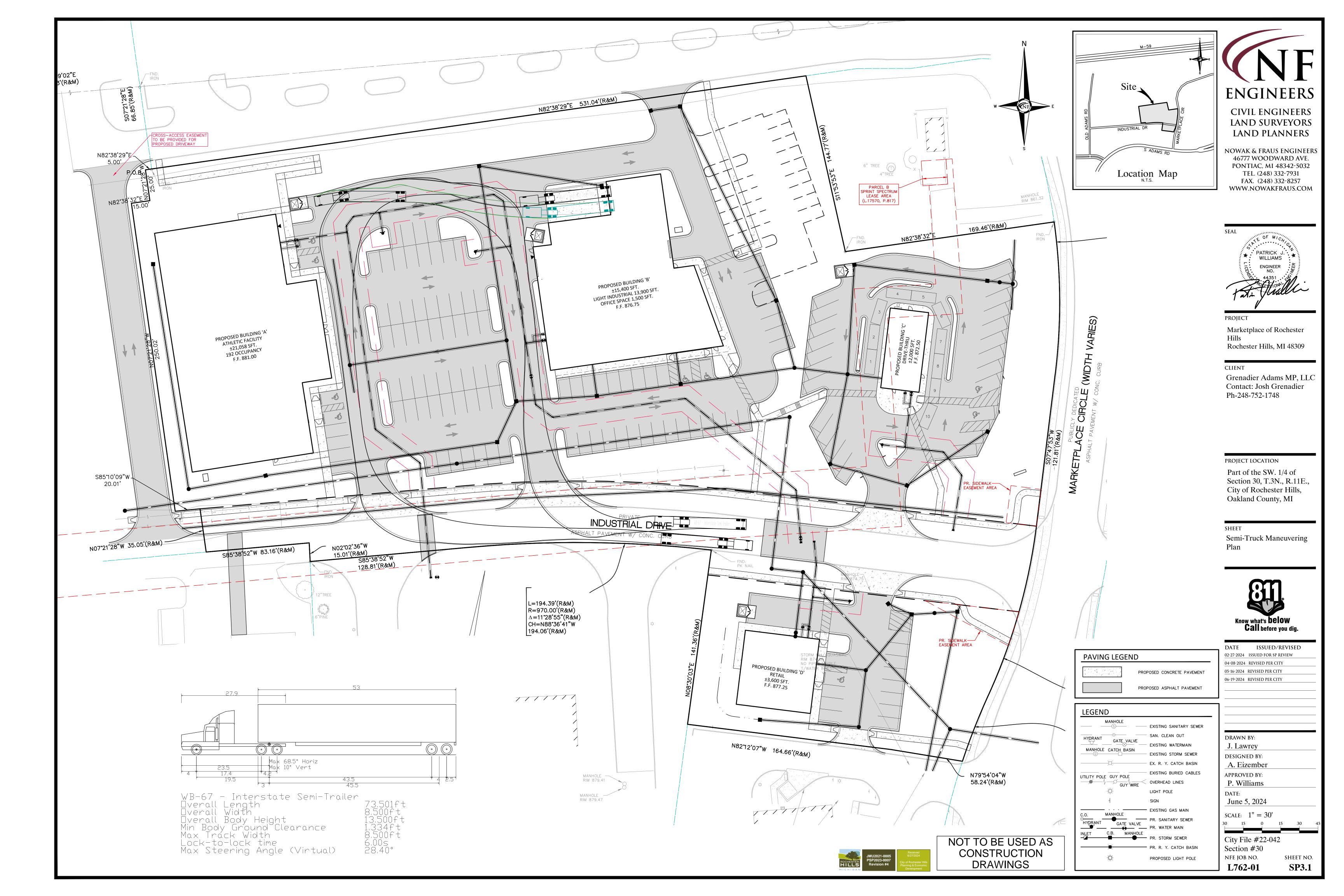
SCALE: 1'' = 40'40 20 0

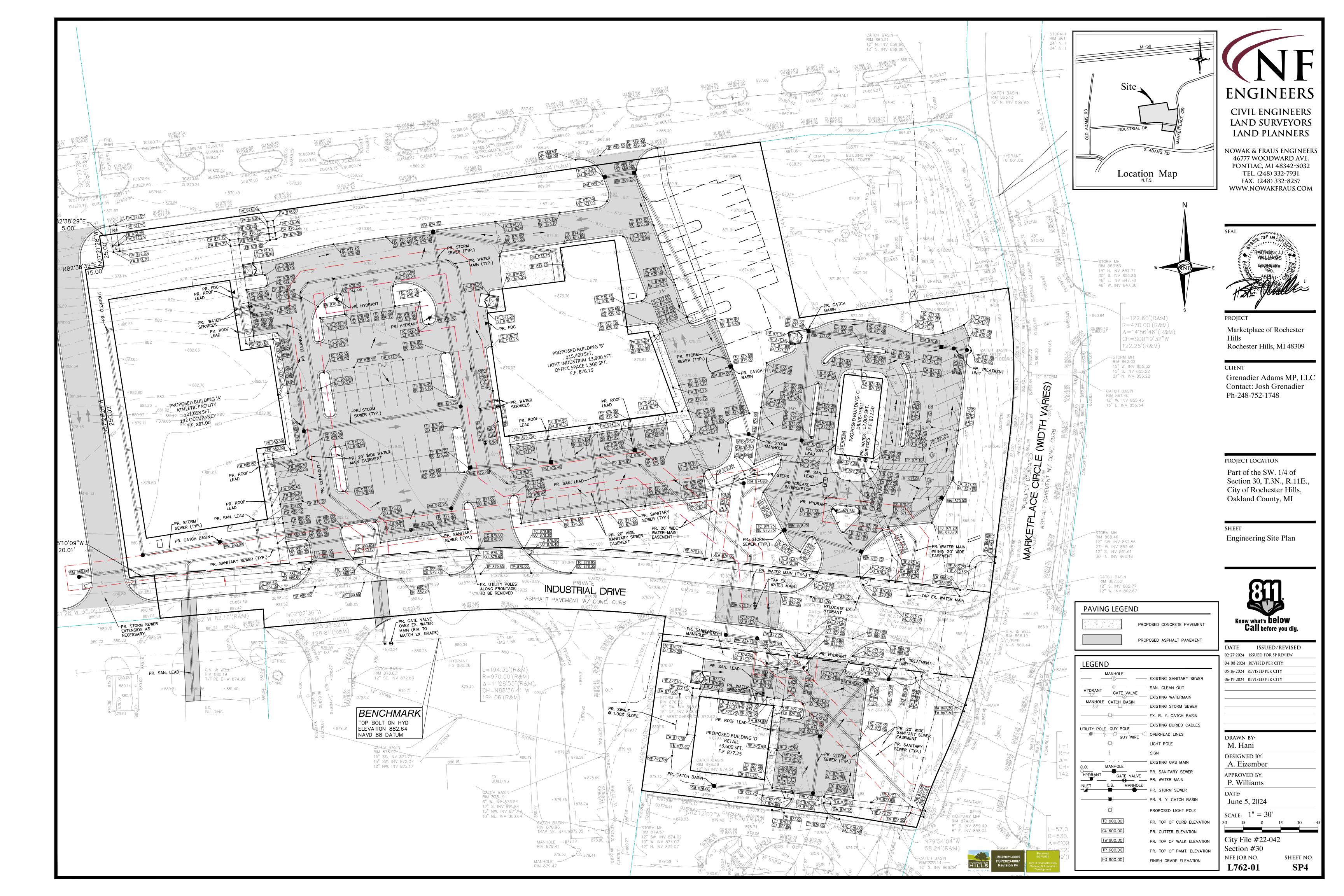
City File #22-042 Section #30 NFE JOB NO. SHEET NO.

L762-01









GENERAL PAVING NOTES

PAVEMENT SHALL BE OF THE TYPE, THICKNESS AND CROSS SECTION AS INDICATED ON THE

PORTLAND CEMENT TYPE IA (AIR-ENTRAINED) WITH A MINIMUM CEMENT CONTENT OF SIX SACKS PER CUBIC YARD, MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3,500 PSI AND A SLUMP OF 1 1/2 TO 3 INCHES.

BASE COURSE - MDOT BITUMINOUS MIXTURE NO. 1100L, 20AA; SURFACE COURSE - MDOT BITUMINOUS MIXTURE NO. 1100T, 20AA; ASPHALT CEMENT PENETRATION GRADE 85-100, BOND COAT - MDOT SS-1H EMULSION AT 0.10

PROCTOR) PRIOR TO PLACEMENT OF PROPOSED PAVEMENT. EXISTING SUB-BASE SHALL BE PROOF-ROLLED IN THE PRESENCE OF THE ENGINEER TO DETERMINE STABILITY.

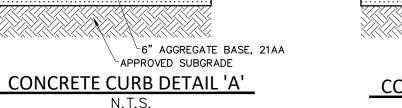
ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CURRENT STANDARDS AND SPECIFICATIONS OF THE MUNICIPALITY AND THE MICHIGAN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION, CURRENT EDITION. ALL TOP OF CURB ELEVATIONS, AS SHOWN ON THE PLANS, ARE CALCULATED FOR A 6" CONCRETE CURB UNLESS OTHERWISE NOTED.

FOR ANY WORK WITHIN THE PUBLIC RIGHT-OF-WAY, THE CONTRACTOR SHALL PAY FOR AND SECURE ALL NECESSARY PERMITS AND LIKEWISE ARRANGE FOR ALL INSPECTION. EXISTING TOPSOIL, VEGETATION AND ORGANIC MATERIALS SHALL BE STRIPPED AND REMOVED FROM PROPOSED PAVEMENT AREA PRIOR TO PLACEMENT OF BASE MATERIALS. EXPANSION JOINTS SHOULD BE INSTALLED AT THE END OF ALL INTERSECTION RADII.

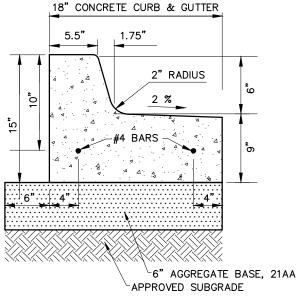
SIDEWALK RAMPS, CONFORMING TO PUBLIC ACT NO. 8, 1973, SHALL BE INSTALLED AS SHOWN AT ALL STREET INTERSECTIONS AND AT ALL BARRIER FREE PARKING AREAS AS INDICATED ON THE PLANS.

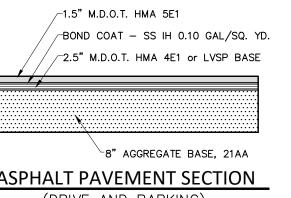
ALL PAVEMENT AREAS SHALL BE PROOF-ROLLED UNDER THE SUPERVISION OF A GEOTECHNICAL ENGINEER PRIOR TO THE PLACEMENT OF BASE MATERIALS AND PAVING

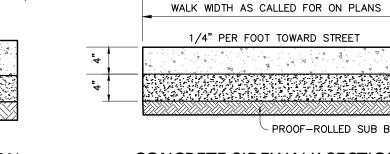
FILL AREAS SHALL BE MACHINE COMPACTED IN UNIFORM LIFTS NOT EXCEEDING 9 INCHES THICK TO 98% OF THE MAXIMUM DENSITY (MODIFIED PROCTOR) PRIOR TO PLACEMENT OF PROPOSED PAVEMENT.



* MAXIMUM LANDING SLOPE IS 2.0% IN EACH DIRECTION OF TRAVEL. MINIMUM DIMENSIONS 5' x 5'. SEE

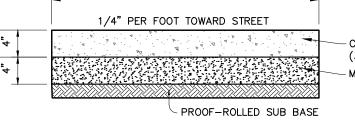






- ROLLED CURB

"NON-WALKING" AREA



(3500 PSI MIN.) - M.D.O.T. CLASS II

PPATRICKK Jj

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

WWW.NOWAKFRAUS.COM

PROJECT

Marketplace of Rochester Rochester Hills, MI 48309

CLIENT

Grenadier Adams MP, LLC Contact: Josh Grenadier Ph-248-752-1748

PROJECT LOCATION

Part of the SW. 1/4 of Section 30, T.3N., R.11E., City of Rochester Hills, Oakland County, MI

Site Notes and Details



DATE ISSUED/REVISED 02-27-2024 ISSUED FOR SP REVIEW 04-08-2024 REVISED PER CITY 05-16-2024 REVISED PER CITY 06-19-2024 REVISED PER CITY

DRAWN BY: A. Eizember **DESIGNED BY:** A. Eizember

APPROVED BY: P. Williams DATE:

June 5, 2024

SCALE: N.T.S.

City File #22-042 Section #30 NFE JOB NO.

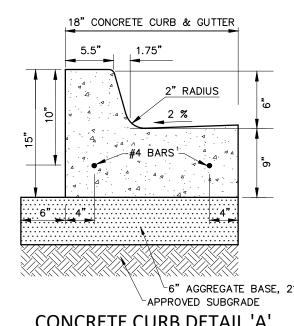
SHEET NO. SP5 L762-01

GALLON PER SQUARE YARD; MAXIMUM 2 INCH LIFT.

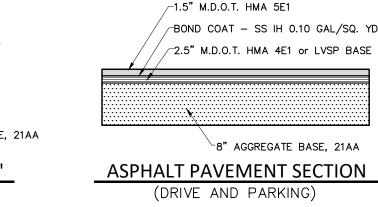
PAVEMENT BASE SHALL BE COMPACTED TO 95% OF THE MAXIMUM DENSITY (MODIFIED ALL CONCRETE PAVEMENT, DRIVEWAYS, CURB & GUTTER, ETC., SHALL BE SPRAY CURED WITH WHITE MEMBRANE CURING COMPOUND IMMEDIATELY FOLLOWING FINISHING OPERATION. ALL CONCRETE PAVEMENT JOINTS SHALL BE FILLED WITH HOT POURED RUBBERIZED ASPHALT JOINT SEALING COMPOUND IMMEDIATELY AFTER SAWCUT OPERATION. FEDERAL SPECIFICATION

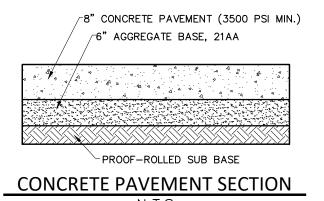
ALL SIDEWALK RAMPS, CONFORMING TO PUBLIC ACT NO. 8, 1993, SHALL BE INSTALLED AS INDICATED ON THE PLANS. CONSTRUCTION OF A NEW OR RECONSTRUCTED DRIVE APPROACH CONNECTING TO AN EXISTING STATE OR COUNTY ROADWAY SHALL BE ALLOWED ONLY AFTER AN APPROVED

PERMIT HAS BEEN SECURED FROM THE AGENCY HAVING JURISDICTION OVER SAID ROADWAY.







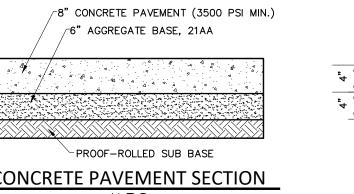


* MAXIMUM LANDING SLOPE IS 2.0% IN EACH DIRECTION OF TRAVEL. MINIMUM DIMENSIONS $5^\prime \times 5^\prime$. SEE NOTES.

** MAXIMUM RAMP CROSS SLOPE IS 2.0%, RUNNING SLOPE 5% - 7% (8.3% MAXIMUM). SEE NOTES.

* MAXIMUM LANDING SLOPE IS 2.0% IN EACH DIRECTION OF TRAVEL. MINIMUM DIMENSIONS 5' x 5'. SEE

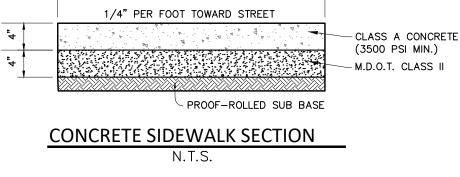
** MAXIMUM RAMP CROSS SLOPE IS 2.0%, RUNNING SLOPE 5% - 7% (8.3% MAXIMUM). SEE NOTES.

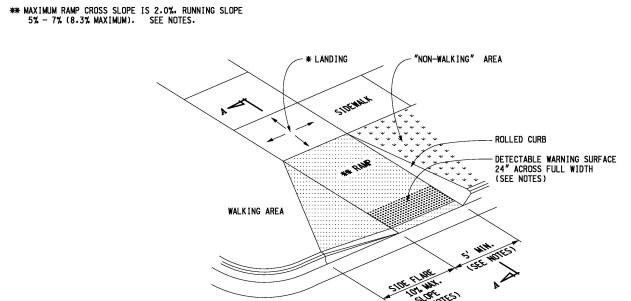


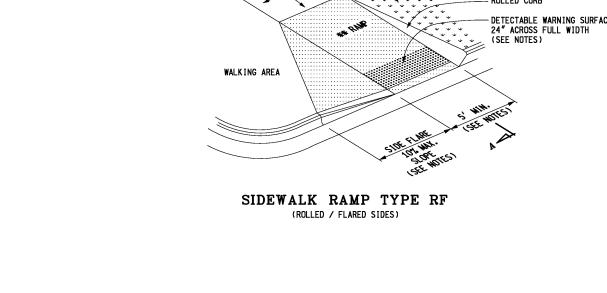
SIDEWALK RAMP TYPE P

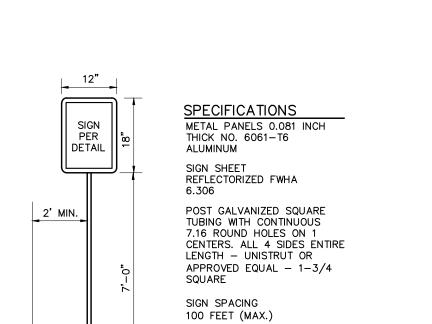
SIDEWALK RAMP TYPE R

(ROLLED SIDES)









NO PARKING SIGN DETAIL

Fitness Center

(Building A)

Offices - General

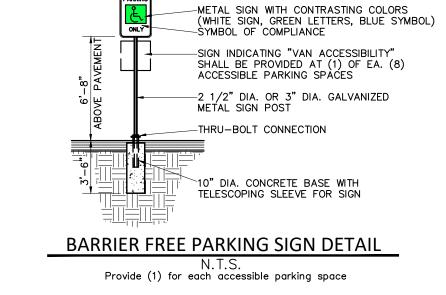
(Building A)

Warehouses & Storage (Building B)

Offices - General (Building B) Quick Service Restaurants (w/ D

> (Building C) Stores (Building D)

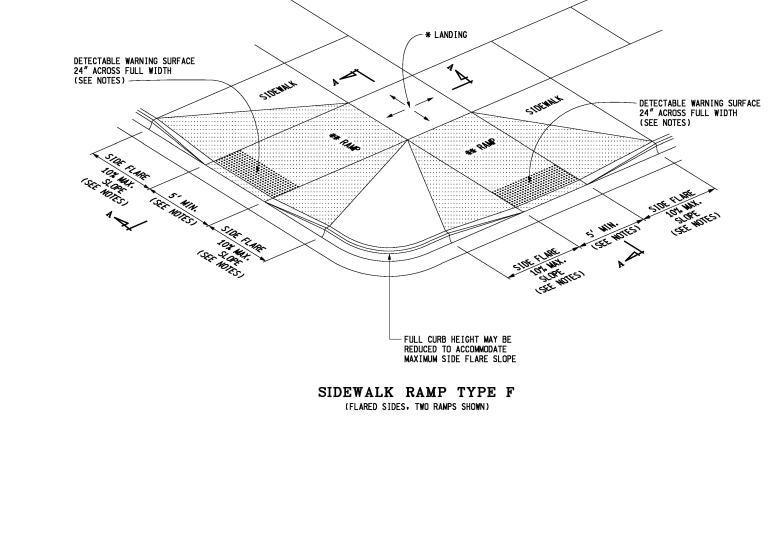




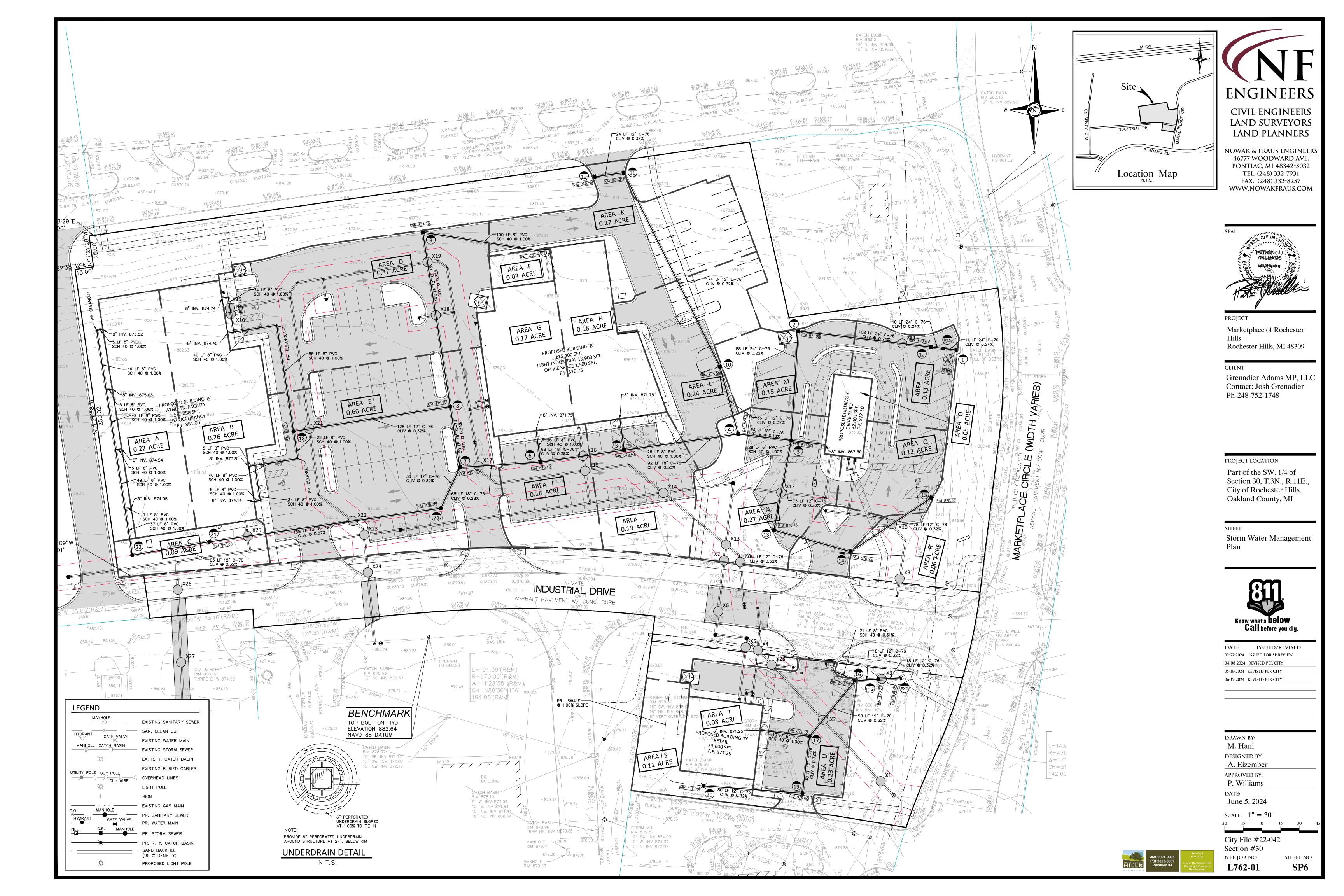
	SAN	ITARY SEWE	R BA	SIS OF	DESIG	N				
		Qty.			<u>u</u>					
	19,500	Sq. Ft.	@	0.29	Per	1,000	Sq. Ft.	=	5.66	REUs
	1,920	Sq. Ft.	@	0.40	Per	1,000	Sq. Ft.	=	0.77	REUs
	8	Fixtures	@	0.12	Per	1	Fixtures	=	0.96	REUs
	1,604	Sq. Ft.	@	0.40	Per	1,000	Sq. Ft.	=	0.64	REUs
Dining)	20	Fixtures	@	0.49	Per	1	Fixtures	=	9.80	REUs
	3,600	Sq. Ft.	@	0.04	Per	1,000	Sq. Ft.	=	0.14	REUs
	Tot	tal REUs	=	17.97	REUs					
	Equivale	nt Population	=	2.44	People	Per REU				
	Total	Population	=	44	People					

N.T.S.

Average Flow	=	100 Gal/Pe 7.48 gal/c 4384.34	f * 86,40			CFS			
Peak Factor	=	18 + (# of F 4 + (# of F					=	4.33	
Peak Flow	= =	Peak Factor * Av 18966.21	-	ow =	0.0293	CFS			
Proposed Sanitary Sewer	=	8	ln.	@	0.40	%	=	0.764	CFS



NOT TO BE USED AS CONSTRUCTION **DRAWINGS**



	ff Coefficie				111	Aorea			
Total Site: 1. Pavement and Roofs:		180,141 151,399	S.F.	or or	4.14 3.48	Acres Acres	84%		
 Pavement and Roots. Lawn, Landscape & Bu 	ıffers:	28,742		or	0.66	Acres	16%		
Sum of Individual Areas:	mers.	180,141		or	4.14	Acres	100%		
		,							
Area No. 1 - Coefficient:		0.95							
Area No. 2 - Coefficient:		0.35							
"C" (Average) =	Area 1 * C1 + /	∆rea 2 * €2							
C (Average) =	Area 1 +								
		71104 2							
"C" (Average) =	0.85								
"C" by Areas									
,									
Area A:	Pavement:	9569	S.F.		0.22	Acres			
	Grass:	0	S.F.		0.00	Acres		C=	0.95
	Total:	9569	S.F.		0.22	Acres			
Area B:	Pavement:	11490	S.F.		0.26	Acres			
	Grass:	0	S.F.		0.00	Acres		C=	0.95
	Total:	11490	S.F.		0.26	Acres			
Area C:	Pavement:		S.F.			Acres			
	Grass:	3645				Acres		C=	0.40
	Total:	4007	S.F.		0.09	Acres			
			_						
Area D:	Pavement:	18788				Acres			e con
	Grass:	1896				Acres		C=	0.90
	Total:	20684	S.F.		0.47	Acres			
Area E:	Pavement:	24758	SE		0.57	Acres			
Alea E.	Grass:	3852				Acres		C=	0.87
	Total:	28610				Acres		0-	0.07
	Total.	20010	0.1 .		0.00	710103			
Area F:	Pavement:	1338	S.F.		0.03	Acres			
THOU T.	Grass:		S.F.			Acres		C=	0.95
	Total:	1338				Acres			0.00
	189 - 1800 (190) (1900 (1900 (1900 (1900 (1900 (1900 (1900 (1900 (1900 (1900 (190) (1900 (190) (1900 (1900 (1900 (1900 (1900 (1900 (1900 (1900 (1900 (1900 (190) (1900 (1900 (190) (1900 (1900 (1900 (190) (1900 (1900 (190) (1900 (1900 (190) (1900 (1900 (1900 (1900 (190) (1900 (190) (1900 (1900 (190) (1900 (1900 (190) (1900 (1900 (190) (1900 (1900 (190) (1900 (190) (1900 (190) (1900 (1900 (190) (1900 (190) (1900 (1900 (190) (190) (190) (1900 (190) (190) (1900 (190) (190) (1900 (190) (
Area G:	Pavement:	7429	S.F.		0.17	Acres			
	Grass:	0	S.F.		0.00	Acres		C=	0.95
	Total:	7429	S.F.		0.17	Acres			
Area H:	Pavement:	7963	S.F.		0.18	Acres			
	Grass:	0	S.F.		0.00	Acres		C=	0.95
	Total:	7963	S.F.		0.18	Acres			
Area I:	Pavement:	5185				Acres			
	Grass:	1900				Acres		C=	0.79
	Total:	7085	S.F.		0.16	Acres			
A	Davasasata	5000	0.5		0.40	A			
Area J:	Pavement:	5289				Acres		C-	0.73
	Grass:	3114				Acres		C=	0.73
	Total:	8403	U.F.		0.19	Acres			
Area K:	Pavement:	10540	SF		U 34	Acres			
TIOU IX.	Grass:	10540				Acres		C=	0.90
	Total:	11558				Acres			0.00
						_			
Area L:	Pavement:	9824	S.F.		0.23	Acres			
	Grass:		S.F.		0.01	Acres		C=	0.93
	Total:	10243	S.F.		0.24	Acres			
Area M:	Pavement:	4388	S.F.		0.10	Acres			
	Grass:	2007	S.F.		0.05	Acres		C=	0.76
	Total:	6395	S.F.		0.15	Acres			
Area N:	Pavement:	6430				Acres			
	Grass:	5199				Acres		C=	0.68
	Total:	11629	S.F.		0.27	Acres			
	D		o -		_				
Area O:	Pavement:	2000				Acres		_	
	Grass:		S.F.			Acres		C=	0.95
	Total:	2000	S.F.		0.05	Acres			
Area Di	Deve		0.5			A			
Area P:	Pavement:	5577				Acres		C-	0.00
	Grass:		S.F.			Acres		C=	0.93
	Total:	5778	O.F.		0.13	Acres			
Area Q:	Pavement:	5161	SE		0.42	Acres			
nica W.								C-	0.04
	Grass:	53	S.F.		0.00	Acres	-	C=	0.94

=	15 Minute	es .			Time of	Concentra	ation			City of I	Rocheste	r Hills,	Oakland	County,	Michiga	n			Project No	0:	L762			
=	30.20p^0.	22 / (Tc+	9.17)^0.81		10 Year	Storm Eve	nt Intensity				Sto	orm Se	wer Calcı	ulations					Project Na	ame:	Marketpla	ace of Rocl	hester Hills	;
(Conc.	0.013				Manning	g's Roughi	ness Coeffic	ient											Location:		Marketpla	ace Circle		
(Pvc)	0.013				Manning	ı's Roughi	ness Coeffic	ient											Dated:		Septemb	er 28, 2022		
,						, ,													Revised:		06/19/24	,		
Drainage	From	То	Drainage	Runoff	Equivalent	Total	Time of	Rainfall	Actual	Pipe	Pipe	Pipe	Flow Full	Time of	Full Pipe	H. G. Elev.	H G Flev	H. G.	Theoretical	Ground	Change in	Invert Elev.	Invert Elev.	Upper
Area	Struc.	Struc.	Area	Coefficient	Area	Area	Concentration		Discharge	200 10 10 10 10	Slope	Length	Velocity	Flow	Capacity	Upper End			Velocity	Elevation	and the same of the same	Upper End	Lower End	
Allea	No.	No.	(Acres)	(C)	(C * A)	(Sum C * A)		(Inches/Hr.)	(CFS)	(Inches)			intrates a contrate a	(Minutes)	(CFS)	(Feet)	(Feet)	(% Slope)		(Upper)	(Feet)	(Feet)	(Feet)	(Fe
ň							,	,		,					, ,									ì
Α	ROOF	22	0.22	0.95	0.209	0.209	15.00	3.798	0.794	8	1.00	37	3.462	0.18	1.208	874.32	874.16	0.431	2.27	881.00	0.37	874.00	873.63	6.6
В	ROOF	18	0.26	0.95	0.247	0.247	15.00	3.798	0.938	8	1.00	86	3.462	0.41	1.208	874.19	873.67	0.603	2.69	881.00	0.86	874.00	873.14	6.8
-	18	8	0.00	0.95	0.000	0.247	15.41	3.746	0.925	12	0.32	128	2.566	0.83	2.015	873.52	873.43	0.067	1.18	880.10	0.41	873.04	872.63	6.5
F	TD2	9	0.03	0.95	0.029	0.029	15.00	3.798	0.108	8	1.00	100	3.462	0.48	1.208	869.38	869.37	0.008	0.31	872.75	1.00	869.75	868.75	3.3
D	9	8	0.47	0.90	0.423	0.452	15.48	3.738	1.688	12	0.32	142	2.566	0.92	2.015	869.37	869.05	0.224	2.15	874.75	0.45	868.65	868.20	5.3
-	8	7	0.00	0.95	0.000	0.699	16.40	3.628	2.534	15	0.24	50	2.579	0.32	3.165	869.05	868.98	0.154	2.07	875.75	0.12	868.10	867.98	6.7
_	22	21	0.00	0.95	0.000	0.209	15.18	3.775	0.789	12	0.32	63	2.566	0.41	2.015	874.16	874.13	0.049	1.00	880.50	0.20	873.53	873.33	6.3
С	21	7a	0.09	0.40	0.036	0.245	15.59	3.725	0.913	12	0.32	188	2.566	1.22	2.015	873.55	873.43	0.066	1.16	880.00	0.60	873.23	872.63	6.
-	7a	7	0.00	0.95	0.000	0.245	16.81	3.582	0.878	12	0.32	36	2.566	0.23	2.015	873.23	873.21	0.061	1.12	876.95	0.12	872.53	872.41	3.
E	7	6	0.66	0.87	0.574	1.518	17.04	3.556	5.398	18	0.28	65	3.145	0.34	5.558	869.07	868.89	0.264	3.05	875.25	0.18	867.88	867.69	6.1
G	6A	6	0.17	0.95	0.162	0.162	15.00	3.798	0.613	8	1.00	26	3.462	0.13	1.208	872.17	872.10	0.258	1.76	876.75	0.26	871.75	871.49	4.5
1	6	5	0.16	0.79	0.126	1.806	17.39	3.519	6.354	18	0.38	68	3.664	0.31	6.475	872.35	872.10	0.366	3.60	875.40	0.26	867.59	867.34	3.0
Н	5A	5	0.18	0.95	0.171	0.171	15.00	3.798	0.649	8	1.00	26	3.462	0.13	1.208	872.10	872.02	0.289	1.86	876.75	0.26	871.75	871.49	4.
J	5	4	0.19	0.73	0.139	2.115	17.70	3.486	7.374	18	0.50	92	4.203	0.36	7.428	868.43	867.98	0.493	4.17	875.40	0.46	867.24	866.78	6.
K/2	12	11	0.14	0.90	0.126	0.126	15.00	3.798	0.479	12	0.32	24	2.566	0.16	2.015	866.23	866.22	0.018	0.61	869.50	0.08	865.50	865.42	3.
												174												
K/2 L	11	10 4	0.14	0.90	0.126 0.223	0.252 0.475	15.16 16.29	3.778 3.642	0.952 1.731	12 12	0.32	56	2.566 2.566	1.13 0.36	2.015 2.015	865.69 866.12	865.57 865.99	0.071 0.236	1.21 2.20	869.25 875.00	0.56 0.18	865.32 864.67	864.77 864.49	3. 8.
-	4	3	0.00	0.95	0.000	2.591	18.06	3.448	8.933	24	0.16	43	2.880	0.25	9.049	865.99	865.92	0.156	2.84	874.50	0.07	864.39	864.32	8.
Q	15	14	0.12	0.94	0.113	0.113	15.00	3.798	0.428	12	0.32	78	2.566	0.51	2.015	867.06	867.05	0.014	0.55	870.50	0.25	866.50	866.25	3.
R	14	13	0.06	0.79	0.047	0.160	15.51	3.735	0.598	12	0.32	64	2.566	0.42	2.015	867.67	867.65	0.028	0.76	870.25	0.20	866.15	865.95	2.
N	13	3	0.27	0.68	0.184	0.344	15.92	3.685	1.267	12	0.32	73	2.566	0.47	2.015	867.74	867.65	0.126	1.61	870.75	0.23	865.85	865.61	3.
0	3A	3	0.05	0.95	0.048	0.048	15.00	3.798	0.180	6	1.00	28	2.858	0.16	0.561	867.65	867.62	0.103	0.92	872.50	0.28	867.50	867.22	4
_	3	2	0.00	0.95	0.000	2.982	18.31	3.423	10.207	24	0.22	88	3.378	0.43	10.611	865.80	865.62	0.204	3.25	871.50	0.19	864.22	864.02	5
M	2	1a	0.15	0.76	0.114	3.096	18.74	3.380	10.463	24	0.24	108	3.528	0.51	11.083	865.50	865.27	0.214	3.33	871.00	0.26	863.92	863.67	5
Р	1a	PT1	0.13	0.93	0.121	3.217	19.25	3.331	10.714	24	0.24	10	3.528	0.05	11.083	865.16	865.14	0.224	3.41	870.60	0.02	863.57	863.54	5.
_	PT1	1	0.00	0.95	0.000	3.217	19.30	3.326	10.699	24	0.24	11	3.528	0.05	11.083	865.04	865.02	0.224	3.41	870.70	0.03	863.44	863.42	5.

T=	15 Minute	S			Time of	Concentra	ition			City of I	Rocheste	r Hills	, Oakland	County,	Michiga	n			Project No):	L762			
I =	30.20p^0.	22 / (Tc+	·9.17)^0.8 ²	1	10 Year S	Storm Eve	nt Intensity				Sto	orm Se	wer Calc	ulations					Project Name: Marketplace			ce of Roch	of Rochester Hills	
n (Conc.	0.013				Manning	ng's Roughness Coefficient													Location:		Marketpla	ce Circle		
n (Pvc)	0.013				Manning	's Roughr	ness Coeffici	ent											Dated:		Septembe	er 28, 2022		
																			Revised:		06/19/24			
Drainage	From	То	Drainage	Runoff	Equivalent	Total	Time of	Rainfall	Actual	Pipe	Pipe	Pipe	Flow Full	Time of	Full Pipe	H. G. Elev.	H. G. Elev.	H. G.	Theoretical	Ground	Change in	Invert Elev.	Invert Elev.	Upper Rin
Area	Struc.	Struc.	Area	Coefficient	Area	Area	Concentration	Intensity	Discharge	Size	Slope	Length	Velocity	Flow	Capacity	Upper End	Lower End	Slope	Velocity	Elevation	Elevation	Upper End	Lower End	to HGL
	No.	No.	(Acres)	(C)	(C * A)	(Sum C * A)	(Minutes)	(Inches/Hr.)	(CFS)	(Inches)	(% Slope)	(Feet)	(Ft / Sec)	(Minutes)	(CFS)	(Feet)	(Feet)	(% Slope)	(Ft / Sec)	(Upper)	(Feet)	(Feet)	(Feet)	(Feet)
S	20	19	0.11	0.38	0.042	0.042	15.00	3.798	0.159	12	0.32	80	2.566	0.52	2.015	872.55	872.54	0.002	0.20	876.00	0.26	872.00	871.74	3.45
-	19	17	0.00	0.95	0.000	0.042	15.52	3.733	0.156	12	0.32	46	2.566	0.30	2.015	870.40	870.40	0.002	0.20	876.00	0.15	869.74	869.60	5.60
T	17A	17	0.08	0.95	0.076	0.076	15.00	3.798	0.289	6	1.00	40	2.858	0.23	0.561	871.36	871.25	0.265	1.47	877.25	0.40	871.25	870.85	5.89
-	17	16	0.00	0.95	0.000	0.118	15.82	3.697	0.435	12	0.32	58	2.566	0.38	2.015	867.72	867.71	0.015	0.55	874.30	0.19	867.10	866.91	6.58
U	16	PT2	0.23	0.94	0.216	0.334	16.20	3.652	1.220	12	0.32	18	2.566	0.12	2.015	865.67	865.65	0.117	1.55	870.90	0.06	864.91	864.85	5.23
=	PT2	EX1	0.00	0.95	0.000	0.334	16.31	3.639	1.215	12	0.32	18	2.566	0.12	2.015	865.52	865.50	0.116	1.55	870.20	0.06	864.75	864.70	,

Area R:	Pavement:	1899	S.F.	0.04	Acres		
	Grass:	708	S.F.	0.02	Acres	C=	0.79
	Total:	2607	S.F.	0.06	Acres		
Area S:	Pavement:	224	S.F.	0.01	Acres		
	Grass:	4489	S.F.	0.10	Acres	C=	0.38
	Total:	4713	S.F.	0.11	Acres		
Area T:	Pavement:	3600	S.F.	0.08	Acres		
	Grass:	0	S.F.	0.00	Acres	C=	0.95
	Total:	3600	S.F.	0.08	Acres		
Area U:	Pavement:	9585	S.F.	0.22	Acres		
	Grass:	241	S.F.	0.01	Acres	C=	0.94
	Total:	9826	S.F.	0.23	Acres		

Model	Manhole Diameter (ft)	NJDEP 50% TSS Maximum Treatment Flow Rate, MTFR (cfs)	50% Maximum Sediment Storage Area Volume (ft³)
XC-2	2.5	.0,57	2.46
XC-3	3.5	1.13	4.81
XC-4	4.5	1.86	7.95
XC-5	5.5	2.78	11.88
XC-6	6.5	3.88	16.59
XC-7	7.5	5.17	22.09
XC-8	8.5	6.64	28.38
XC-9	9.5	8.29	35.44
XC-10	10.5	10.13	43-30
XC-11	11.5	12.15	51.94
XC-12	12.5	14.35	61.36
XC-13	13	15.53	66.37

MANUFACTURED TREATMENT CALCULA	ATIONS
Per OCWRC Requirements, mechanical treatment	structures shall meet applicable requirmements
the New Jersey Department of Environmental Prot	ection (NJDEP):
https://www.njstormwater.org/treatment.html	
Based on OCWRC Equations for Water Quality Flor	w Rate (Qwq)
Name of Project:	Adams Marketplace
Location of Project:	Rochester Hills, MI
Contributing Drainage Area ("A")	3.72 acres
Weighted Runoff Coefficient ("C"):	0.86
Time of Concentration ("Tc")	19.30 minutes
Calculate Water Quality Flow Rate (Qwq)	
$Qwq = (C)(A)(30.20/((Tc+9.17)^0.81)$	
	C 44 5
Qwq =	6.41 cfs
MANUFACTURED TREATMENT CALCULA	
	ATIONS
MANUFACTURED TREATMENT CALCULA	ATIONS structures shall meet applicable requirmements
MANUFACTURED TREATMENT CALCULA Per OCWRC Requirements, mechanical treatment	ATIONS structures shall meet applicable requirmements
MANUFACTURED TREATMENT CALCULA Per OCWRC Requirements, mechanical treatment the New Jersey Department of Environmental Prot	ATIONS structures shall meet applicable requirmements ection (NJDEP):
MANUFACTURED TREATMENT CALCULA Per OCWRC Requirements, mechanical treatment the New Jersey Department of Environmental Prot https://www.njstormwater.org/treatment.html	ATIONS structures shall meet applicable requirmements ection (NJDEP):
MANUFACTURED TREATMENT CALCULA Per OCWRC Requirements, mechanical treatment the New Jersey Department of Environmental Prot https://www.njstormwater.org/treatment.html Based on OCWRC Equations for Water Quality Flor	ATIONS structures shall meet applicable requirmements ection (NJDEP): w Rate (Qwq)
MANUFACTURED TREATMENT CALCULA Per OCWRC Requirements, mechanical treatment the New Jersey Department of Environmental Prot https://www.njstormwater.org/treatment.html Based on OCWRC Equations for Water Quality Flor Name of Project:	ATIONS structures shall meet applicable requirmements ection (NJDEP): w Rate (Qwq) Adams Marketplace
MANUFACTURED TREATMENT CALCULA Per OCWRC Requirements, mechanical treatment the New Jersey Department of Environmental Prot https://www.njstormwater.org/treatment.html Based on OCWRC Equations for Water Quality Flor Name of Project: Location of Project:	ATIONS structures shall meet applicable requirmements ection (NJDEP): w Rate (Qwq) Adams Marketplace Rochester Hills, MI
MANUFACTURED TREATMENT CALCULA Per OCWRC Requirements, mechanical treatment the New Jersey Department of Environmental Prot https://www.njstormwater.org/treatment.html Based on OCWRC Equations for Water Quality Flor Name of Project: Location of Project: Contributing Drainage Area ("A")	ATIONS structures shall meet applicable requirmements of ection (NJDEP): w Rate (Qwq) Adams Marketplace Rochester Hills, MI 0.42 acres



Calculate Water Quality Flow Rate (Qwq)
Qwq = (C)(A)(30.20/((Tc+9.17)^0.81)



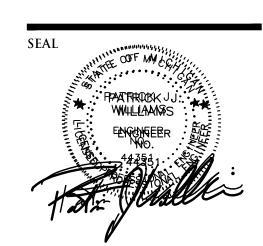


0.73 cfs



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

LAND SURVEYORS LAND PLANNERS



Marketplace of Rochester Rochester Hills, MI 48309

Grenadier Adams MP, LLC Contact: Josh Grenadier Ph-248-752-1748

PROJECT LOCATION

Part of the SW. 1/4 of Section 30, T.3N., R.11E., City of Rochester Hills, Oakland County, MI

Storm Sewer Calculations



DATE ISSUED/REVISED 02-27-2024 ISSUED FOR SP REVIEW 04-08-2024 REVISED PER CITY 05-16-2024 REVISED PER CITY 06-19-2024 REVISED PER CITY

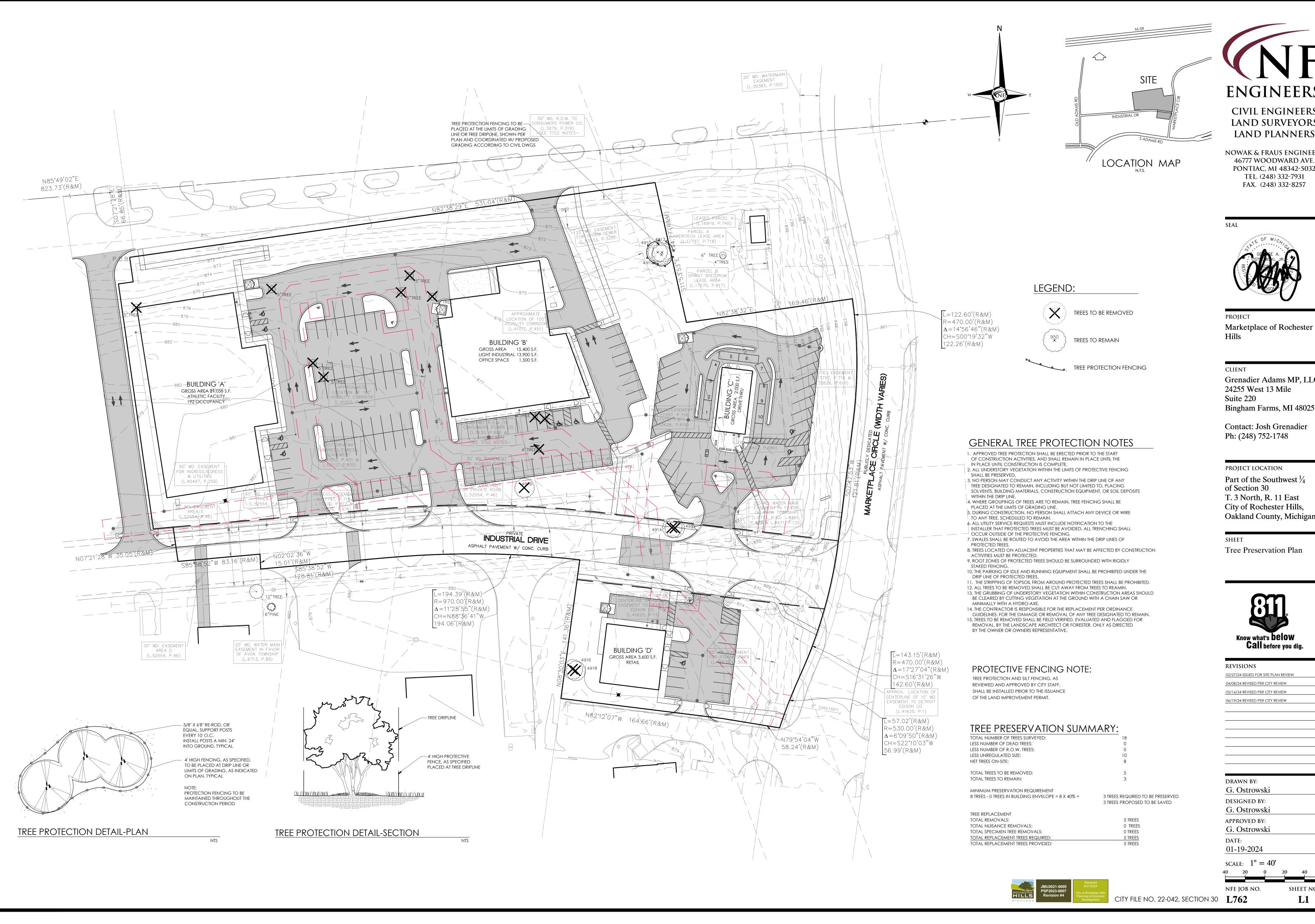
DRAWN BY: M. Hani DESIGNED BY: A. Eizember APPROVED BY:

P. Williams DATE: June 5, 2024

SCALE: 1'' = 30'30 15 0 15 30

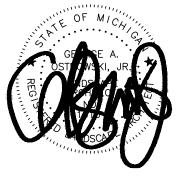
City File #22-042 Section #30 NFE JOB NO. L762-01

SHEET NO. **SP7**



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



PROJECT Marketplace of Rochester

Grenadier Adams MP, LLC 24255 West 13 Mile Suite 220

Contact: Josh Grenadier Ph: (248) 752-1748

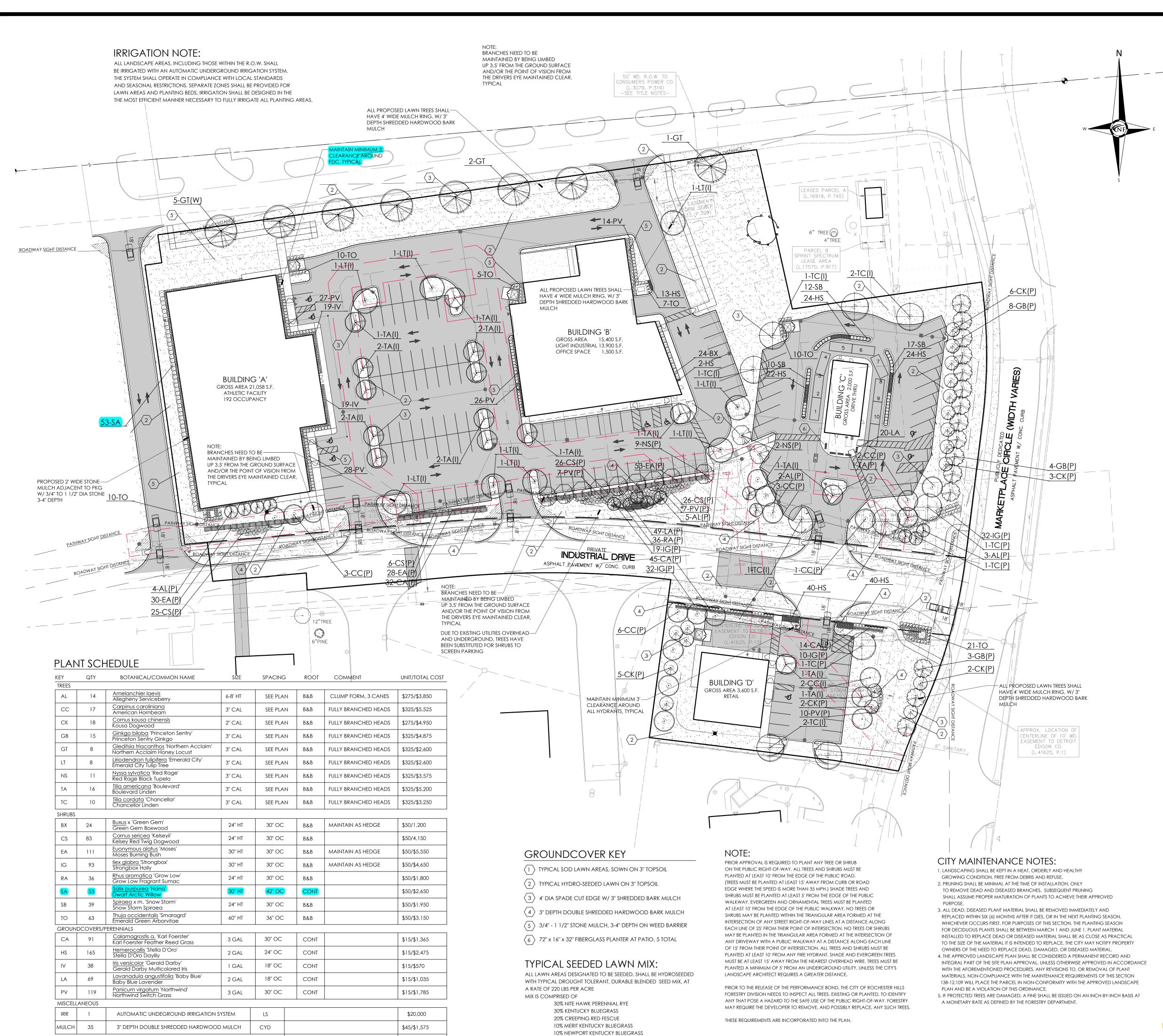
PROJECT LOCATION Part of the Southwest $\frac{1}{4}$ of Section 30 T. 3 North, R. 11 East City of Rochester Hills, Oakland County, Michigan

Tree Preservation Plan



REVISIONS 02/27/24 ISSUED FOR SITE PLAN REVIEW 04/08/24 REVISED PER CITY REVIEW 05/16/24 REVISED PER CITY REVIEW 06/19/24 REVISED PER CITY REVIEW DRAWN BY: G. Ostrowski **DESIGNED BY:** G. Ostrowski APPROVED BY: G. Ostrowski 01-19-2024

SHEET NO.



LANDSCAPE ESTIMATE TOTAL



LANDSCAPE REQUIREMENTS

EXISTING SITE AREA: 145,695.75 S.F. OR 3.34 ACRES

PARKING INTERIOR LANDSCAPE (I) REQUIRED: 5% OF THE PARKING LOT SHALL BE LANDSCAPED WITH 1 TREE PER 150 S.F. REQUIRED AREA: 60,256.74 S.F. X 5% = 3,013 S.F. 3,013 S.F. / 150 S.F. = 20.29 OR 20 TREES REQUIRED REQUIRED: 3,044 S.F. AND 20 TREES PROVIDED: 4,246.69 S.F. AND 20 TREES

BUILDING C REQUIRED AREA: 20,514.86 S.F. X 5% = 1,026 S.F. 1,026 S.F. / 150 S.F. = 6.8 OR 7 TREES REQUIRED: 1,026 S.F. AND 7 TREES PROVIDED: 1,163.21 S.F. AND 7 TREES

BUILDING D REQUIRED AREA: 8,306 S.F. X 5% = 415 S.F. 415 S.F. / 150 S.F. = 2.76 OR 3 TREES REQUIRED: 415 S.F. AND 3 TREES PROVIDED: 658.14 S.F. AND 3 TREES

PARKING LOT PERIMETER LANDSCAPE (P) REQUIRED: 1 CANOPY TREE/25 L.F., 1 ORNAMENTAL/35 L.F. PARKING IS GREATER THAN 30' TO R.O.W., NO SHRUBS REQUIRED MARKETPLACE CIRCLE: 375 L.F. TOTAL (241 L.F. (N) + 134 L.F. (S)) 375 L.F. / 25 L.F.= 15 CANOPY TREES 375 L.F. / 35 L.F. = 10.71 OR 11 ORNAMENTAL TREES PROVIDED:

15 CANOPY TREES, 11 ORNAMENTAL TREES INDUSTRIAL DRIVE: 726 L.F. (N) AND 255 L.F. (S)

REQUIRED: 726 L.F. / 25 L.F. = 29 CANOPY TREES 726 L.F. / 35 L.F. = 21 ORNAMENTAL TREES

726 L.F. / 2.5 = 290 SHRUBS PROVIDED: 21 CANOPY TREES, 14 ORNAMENTAL TREES, 297 SHRUBS A WAIVER IS SOUGHT FOR THE BALANCE OF REQUIREMENTS DUE TO THE PRESENCE OF UTILITIES, EASEMENTS AND CLEARANCE ZONES

255 L.F. / 25 L.F. = 10 CANOPY TREES 255 L.F. / 35 L.F. = 7 ORNAMENTAL TREES 255 L.F. / 2.5 = 102 SHRUBS PROVIDED:

10 CANOPY TREES, 7 ORNAMENTAL TREES, 111 SHRUBS & ORNAMENTAL GRASS. SINCE MUCH OF THE ENTIRE FRONTAGE IS WITHIN EITHER THE ROADWAY SIGHT DISTANCE OR PATHWAY SIGHT DISTANCE TRIANGLES TREES HAVE BEEN ACCOMMODATED ELSEWHERE ALONG THE FRONTAGE

TREE REPLACEMENTS (W) REQUIRED: 5 REPLACEMENT TREES PROVIDED: 5 TREES

GENERAL SEED NOTE:

ALL LAWN AREAS DESIGNATED TO BE SEEDED, SHALL BE HYDRO-SEEDED WITH SPECIFIED BLENDS, AND STABILIZED WITH WOOD CELLULOSE FIBER MULCH (2,000 LBS PER ACRE) . IN AREAS SUBJECT TO EROSION, SEEDED LAWN SHALL BE FURTHER STABILIZED WHERE NECESSARY WITH BIODEGRADABLE EROSION BLANKET AND STAKED UNTIL ESTABLISHED. ALL SEED SHALL BE APPLIED OVER A MINIMUM 3" PREPARED TOPSOIL, AND SHALL BE KEPT MOIST AND WATERED DAILY UNTIL ESTABLISHED. SEEDING INSTALLATION SHALL OCCUR ONLY: SPRING: APRIL1 TO JUNE1 FALL: AUGUST 15 TO OCTOBER 15

GENERAL LANDSCAPE NOTES

- LANDSCAPE CONTRACTOR SHALL VISIT SITE, INSPECT EXISTING CONDITIONS AND REVIEW PROPOSED PLANTING AND RELATED WORK. IN CASE OF DISCREPANCY BETWEEN PLAN AND PLANT LIST, THE PLAN SHALL
- GOVERN QUANTITIES. CONTACT THE LANDSCAPE ARCHITECT WITH ANY 2. THE CONTRACTOR SHALL VERIFY LOCATIONS OF ALL ON-SITE UTILITIES PRIOR TO BEGINNING CONSTRUCTION ON HIS/HER PHASE OF WORK. ANY DAMAGE OR INTERUPTION OF SERVICES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- THE CONTRACTOR SHALL COORDINATE ALL RELATED ACTIVITIES WITH OTHER TRADES, AND SHALL REPORT ANY UNACCEPTACBLE SITE CONDITIONS TO THE OWNER'S REPRESENTATIVE PRIOR TO COMMENCEMENT. 4. PLANTS SHALL BE FULL, WELL-BRANCHED, AND IN HEALTHY VIGOROUS
- 5. PLANTS SHALL BE WATERED BEFORE AND AFTER PLANTING IS COMPLETE.
 6. ALL TREES MUST BE STAKED, FERTILIZED AND MULCHED AND SHALL BE GUARANTEED TO EXHIBIT A NORMAL GROWTH CYCLE FOR AT LEAST ONE (1)
- YEAR FOLLOWING PLANTING: ALL MATERIAL SHALL CONFORM TO THE GUIDELINES ESTABLISHED IN THE MOST RECENT EDITION OF THE "AMERICAN STANDARDS FOR NURSERY STOCK".
 CONTRACTOR WILL SUPPLY FINISHED GRADE AND EXCAVATE AS NECESSARY TO SUPPLY PLANT MIX DEPTH IN ALL PLANTING BEDS AS INDICATED IN PLANT DETAILS AND A DEPTH OF 4" IN ALL LAWN AREAS.
- 9. PROVIDE CLEAN BACKFILL SOIL, USING MATERIAL STOCKPILED ON-SITE. SOIL SHALL BE SCREENED AND FREE OF DEBRIS, FOREIGN MATERIAL, AND STONE.

 10. SLOW-RELEASE FERTILIZER SHALL BE ADDED TO THE PLANT PITS BEFORE BEING BACKFILLED. APPLICATION SHALL BE AT THE MANUFACTURERS RECOMMENDED 11. AMENDED PLANT MIX (PREPARED TOPSOIL) SHALL CONSIST OF 1/3 SCREENED TOPSOIL
- 1/3 Sand, and 1/3 "Dairy doo" compost, mixed well and spread to a depth as indicated in planting details. 12. ALL PLANTINGS SHALL BE MULCHED WITH SHREDDED HARDWOOD BARK, SPREAD TO A DEPTH OF 3" FOR TREES AND SHRUBS, AND 2" ON ANNUALS, PERENNIALS, AND
- GROUNDCOVER PLANTINGS. MULCH SHALL BE FREE FROM DEBRIS AND FOREIGN MATERIAL, AND PIECES ON INCONSISTENT SIZE.

 13. NO SUBSTITUTIONS OR CHANGES OF LOCATION, OR PLANT TYPE SHALL BE MADE
- WITHOUT THE APPROVAL OF THE LANDSCAPE ARCHITECT, CITY OF ROCHESTER HILLS AND OWNERS REPRESENTATIVE. 14. THE LANDSCAPE ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCIES BETWEEN THE PLANS AND FIELD CONDITIONS PRIOR TO INSTALLATION.

 15. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL PLANT
- THE LANDSCAPE ARCHITECT OR OWNERS REPRESENTATIVE SHALL HAVE THE RIGHT TO REJECT ANY WORK OR MATERIAL THAT DOES NOT MEET THE REQUIREMENTS OF THE PLANS AND/OR SPECIFICATIONS.

 17. THE LANDSCAPE CONTRACTOR SHALL SEED AND MULCH OR SOD (AS INDICATED ON PLANS) ALL AREAS DESIGNATED AS SUCH ON THE PLANS, THROUGHOUT THE CONTRACT

MATERIAL IN A VERTICAL CONDITION THROUGHOUT THE GUARANTEED PERIOD.

LIMITS. FURTHER, THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING AREAS DISTURBED DURING CONSTRUCTION, NOT IN THE CONTRACT LIMITS, TO EQUAL OR GREATER CONDITION 18. ALL LANDSCAPE AREAS SHALL HAVE PROPER DRAINAGE THAT PREVENTS EXCESSIVE WATER FROM PONDING ON LAWN AREAS OR AROUND TREES AND SHRUBS. 19. ALL LANDSCAPE AREAS SHALL BE IRRIGATED WITH AN AUTOMATIC UNDERGROUND



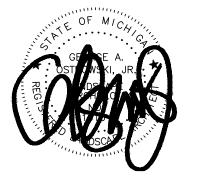




CITY FILE NO. 22-042, SECTION 30 L762

ENGINEERS CIVIL ENGINEERS LAND SURVEYORS

NOWAK & FRAUS ENGINEERS 46777 WOODWARD AVE PONTIAC, MI 48342-5032 TEL. (248) 332-7931 FAX. (248) 332-8257



PROJECT Marketplace of Rochester

CLIENT Grenadier Adams MP, LLC 24255 West 13 Mile Suite 220 Bingham Farms, MI 48025

Contact: Josh Grenadier Ph: (248) 752-1748

PROJECT LOCATION Part of the Southwest $\frac{1}{4}$ of Section 30 T. 3 North, R. 11 East City of Rochester Hills, Oakland County, Michigan

Landscape Plan



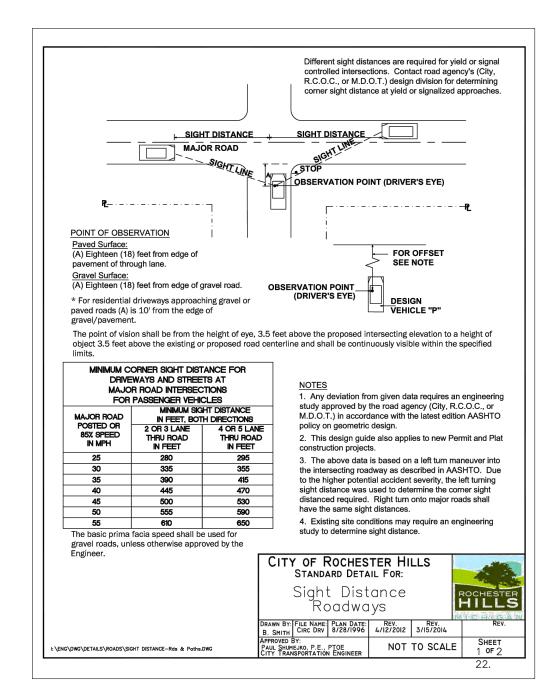
REVISIONS 02/27/24 ISSUED FOR SITE PLAN REVIEW 04/08/24 REVISED PER CITY REVIEW 05/16/24 REVISED PER CITY REVIEW 06/19/24 REVISED PER CITY REVIEW

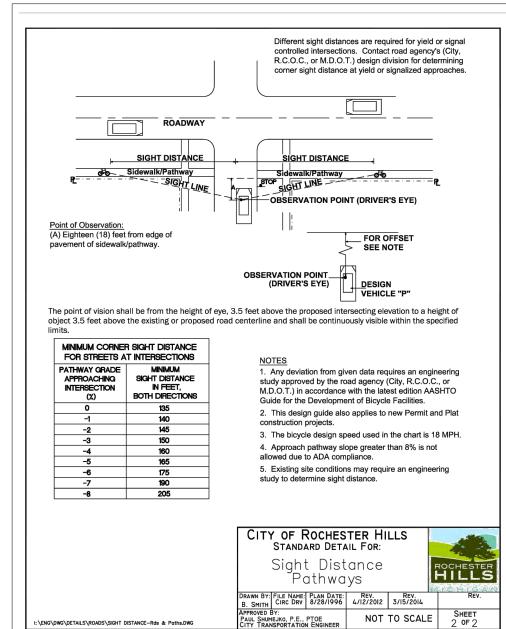
DRAWN BY: G. Ostrowski **DESIGNED BY:** G. Ostrowski APPROVED BY: G. Ostrowski 01-19-2024

SHEET NO.

FIBERGLASS PLANTERS

MODULAR FIBERGLASS PLANTER AVAILABLE FROM: POTS, PLANTERS AND MORE 1-855-208-2709 COLOR: GUNMETAL FINISH: LOW GLOSS





PLANTING NOTES:

- 1. THE CONTRACTOR SHALL VERIFY ALL RIGHTS OF WAY, EASEMENTS, PROPERTY LINES AND LIMITS OF WORK, ETC. PRIOR TO COMMENCING WORK. $2. \quad \text{THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING AND COORDINATING WITH} \\$ ALL PERTINENT UTILITY COMPANIES 72 HOURS IN ADVANCE OF ANY DIGGING TO MAKE HIMSELF FAMILIAR WITH ALL UNDERGROUND UTILITIES, PIPES AND STRUCTURES. THE
- CONTRACTOR SHALL TAKE SOLE RESPONSIBILITY FOR ANY COST INCURRED DUE TO DAMAGE OF SAID UTILITIES. 3. THE CONTRACTOR SHALL NOT WILLFULLY PROCEED WITH CONSTRUCTION AS DESIGNED REPLACEMENT OF SAID UTILITIES. WHEN IT IS OBVIOUS THAT UNKNOWN OBSTRUCTIONS AND/OR GRADE DIFFERENCES EXIST. 3. CONTRACTOR SHALL NOT WILLFULLY PROCEED WITH CONSTRUCTION AS SUCH CONDITIONS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER'S
- 4. ANY DISCREPANCIES BETWEEN DIMENSIONED LAYOUT AND ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE OWNER'S REPRESENTATIVE AND LANDSCAPE ARCHITECT. FAILURE TO MAKE SUCH DISCREPANCIES KNOWN WILL RESULT IN CONTRACTOR'S

RESPONSIBILITY FOR ALL NECESSARY REVISIONS DUE TO FAILURE TO GIVE SUCH

- RESPONSIBILITY AND LIABILITY FOR ANY CHANGES AND ASSOCIATED COST. 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY COORDINATION WITH SUBCONTRACTORS AS REQUIRED TO ACCOMPLISH CONSTRUCTION INSTALLATION
- OPERATIONS. 6. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN POSITIVE SURFACE DRAINAGE, ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT,
- AND OR OWNER'S REPRESENTATIVE. 7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY EXISTING MATERIALS THAT ARE DAMAGED DURING CONSTRUCTION.
- 8. SEE SPECIFICATIONS, PLANT LIST AND PLANTING DETAILS FOR PLANTING REQUIREMENTS, MATERIALS AND EXECUTION.
- 9. ALL TREES TO HAVE CLAY LOAM OR CLAY BALLS TREES WITH SAND BALLS SHALL NOT BE 10. ALL TREES TO BE APPROVED BY OWNER'S REPRESENTATIVE AND/OR LANDSCAPE
- ARCHITECT PRIOR TO DELIVERY TO THE SITE. ANY TREES DELIVERED TO THE SITE NOT PREVIOUSLY APPROVED MAY BE REJECTED AND ARE THE SOLE RESPONSIBILITY OF THE
- 11. FINAL LOCATION OF ALL PLANT MATERIAL SHALL BE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT.
- 12. THE CONTRACTOR TO VERIFY PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION OF PLANT MATERIAL
- 13. THE CONTRACTOR SHALL PLACE 3" DEPTH OF SHREDDED BARK MULCH IN ALL PLANTING BEDS, UNLESS OTHERWISE INDICATED.

CONSTRUCTION NOTES:

- 1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL EXISTING SURVEY INFORMATION INCLUDING THE UTILITY SYSTEMS BEFORE ANY DEMOLITION OR CONSTRUCTION WORK OCCURS. ANY DISCREPANCIES WITH THE SURVEY INFORMATION SHALL BE REPORTED TO THE ARCHITECT AND OWNER'S REPRESENTATIVE IMMEDIATELY.
- 2. CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING HIMSELF FAMILIAR WITH ALL UNDERGROUND UTILITIES, PIPES AND STRUCTURES. CONTRACTOR SHALL TAKE SOLE RESPONSIBILITY FOR COST INCURRED DUE TO DAMAGE AND
- DESIGNED WHEN IT IS OBVIOUS THAT UNKNOWN OBSTRUCTIONS AND / OR GRADE DIFFERENCES EXIST THAT MAY NOT HAVE BEEN KNOWN DURING THE DESIGN. SUCH CONDITIONS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE CITY ENGINEER. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ALL NECESSARY REVISIONS DUE TO LACK OF SUCH
- 4. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY COORDINATION WITH SUBCONTRACTORS AS REQUIRED TO ACCOMPLISH OPERATIONS.
- 5. CONTRACTOR IS RESPONSIBLE FOR REPLACEMENT OF ANY EXISTING MATERIALS
- 6. SEE SPECIFICATIONS FOR CONSTRUCTION REQUIREMENTS, MATERIALS, AND
- 7. ALL PROPERTY LINES AND LOT LINES SHALL BE VERIFIED PRIOR TO COMMENCING WORK.
- 8. CONTRACTOR SHALL SUBMIT ALL SAMPLES PER SPECIFICATIONS. ALL SAMPLES SHALL BE APPROVED BY THE ARCHITECT OR OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION.
- 9. DIMENSIONAL FLEXIBILITY SHALL BE WITHIN PLANT BEDS ONLY. 10. CONTRACTOR SHALL COORDINATE ALL SITE LAYOUT WITH THE LANDSCAPE ARCHITECT AND REPORT ANY DIMENSIONAL DISCREPANCIES PRIOR TO
- 11. HANDICAPPED RAMPS SHALL MEET ALL CURRENT BARRIER FREE DESIGN CODES.

GRADING NOTES:

CONSTRUCTION.

- 1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL EXISTING SURVEY INFORMATION INCLUDING THE UTILITY SYSTEMS BEFORE ANY DEMOLITION OR CONSTRUCTION WORK OCCURS. ANY DISCREPANCIES WITH THE SURVEY INFORMATION SHALL BE REPORTED TO THE ARCHITECT AND OWNER'S
- 2. CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING HIMSELF FAMILIAR WITH ALL UNDERGROUND UTILITIES, PIPES AND STRUCTURES. CONTRACTOR SHALL TAKE SOLE RESPONSIBILITY FOR COST INCURRED DUE TO DAMAGE AND REPLACEMENT
- 3. CONTRACTOR SHALL NOT WILLFULLY PROCEED WITH CONSTRUCTION AS DESIGNED WHEN IT IS OBVIOUS THAT UNKNOWN OBSTRUCTIONS AND / OF GRADE DIFFERENCES EXIST THAT MAY NOT HAVE BEEN KNOWN DURING THE DESIGN. SUCH CONDITIONS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE CITY ENGINEER. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY
- FOR ALL NECESSARY REVISIONS DUE TO LACK OF SUCH NOTIFICATION. 4. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY COORDINATION WITH SUBCONTRACTORS AS REQUIRED TO ACCOMPLISH OPERATIONS.
- 5. CONTRACTOR IS RESPONSIBLE FOR REPLACEMENT OF ANY EXISTING MATERIALS THAT ARE DAMAGED DURING CONSTRUCTION.
- 6. NO CHANGE IN CONTRACT PRICE WILL BE ALLOWED FOR ACTUAL OR CLAIMED BETWEEN EXISTING GRADE AND THOSE SHOWN ON PLANS AFTER CONTRACTOR HAS ACCEPTED EXISTING GRADES AND MOVED ON TO THE SITE.
- 7. ALL PROPOSED GRADES ARE TO MEET AND BLEND IN WITH THE EXISTING GRADE AT PROJECT LIMIT. PRECISE ELEVATIONS INDICATED ON THE PLANS TO BE VERIFIED IN FIELD TO AS-BUILT CONDITION.
- 8. ALL GRADING AND PLACEMENT OF DRAINAGE STRUCTURES TO BE SUPERVISED IN THE FIELD BY THE OWNER'S REPRESENTATIVE. 9. INSTALL 4" DEPTH TOPSOIL OVER ALL DISTURBED LAWN AREAS.
- 10. SEED ALL PROPOSED OR DISTURBED LAWN AREAS.

REQUIRED ROW OF PLANTS IF NOT FACING

- PROPOSED 6'X6' REINFORCED CONCRETE TRANFORMER PAD

EQUIPMENT W/ STONE MULCH

- UPRIGHT EVERGREEN SHRUBS,

SEE PLAN FOR TYPE AND QTY,

TRANSFORMER PAD SHALL BE SCREENED A

ACTUAL PAD LOCATION AND PLANT LOCATION TO

BE DETERMINED IN THE FIELD, BASED ON ACTUAL

MINIMUM OF THREE (3) SIDES. ACCESS TO

EQUIPMENT SHALL BÈ MAINTAINED

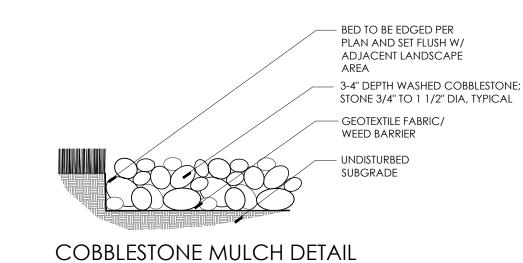
TYPICAL

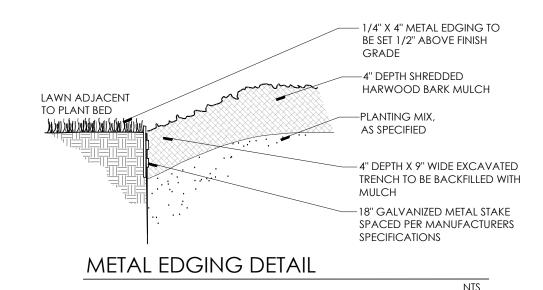
GENERAL NOTES

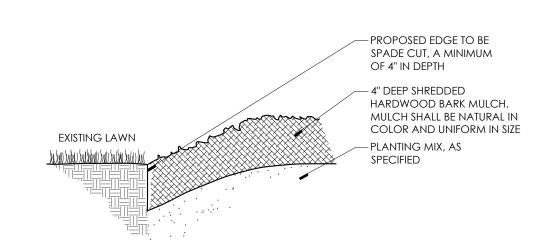
MAINTAIN 2' CLEARANCE AROUND

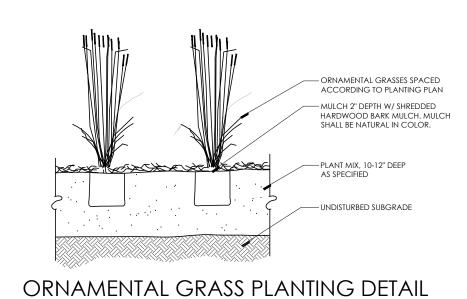
BUILDING OR OTHER SCREENING

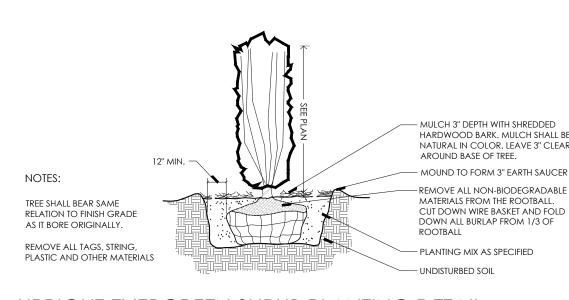
TRANSFORMER SCREENING DETAIL

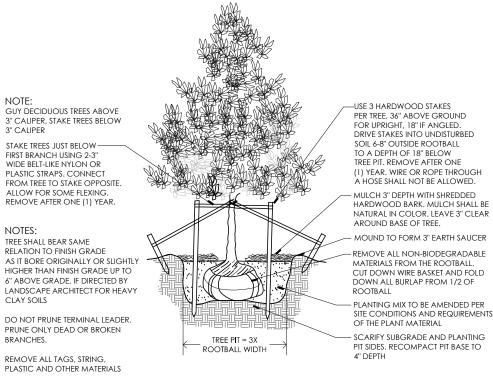




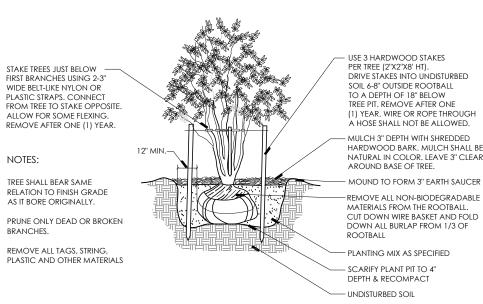






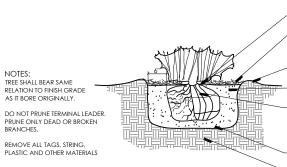


DECIDUOUS TREE PLANTING DETAIL



MULTI-STEM TREE PLANTING DETAIL

NOTES:



REMOVE ALL NON-BIODEGRADABLE FOLD DOWN ALL BURLAP FROM TO 1/3 OF ROOTBALL - SCARIFY SUBGRADE

- MAINTAIN 2" CLEAR AREA FROM STEM

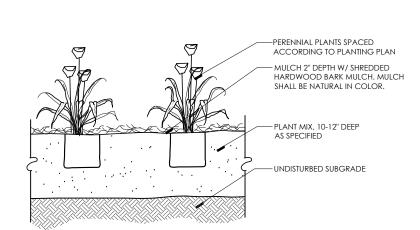
MULCH 3" DEPTH W/ SHREDDED

HARDWOOD BARK MULCH. MULCH SHALL BE NATURAL IN COLOR.

- EARTH SAUCER AROUND SHRUB

PLANTING MIX, AS SPECIFIED

HEDGE PLANTING DETAIL



PERENNIAL PLANTING DETAIL

PLANT MIX SPECIFICATION STANDARD PLANT MIX BACKFILL SHALL BE PROVIDED FOR ALL

PROPOSED PLANTINGS. ONE CUBIC YARD OF PLANT MIX SHALL 1/3 SCREENED TOPSOIL 1/3 CLEAN COARSE SAND 1/3 PEAT MOSS

PLANT MIX TYPE 'A': TREE AND SHRUB PLANT BEDS SHALL BE AMENDED W/ OSMOCOTE 18-6-12 SLOW RELEASE FERTILIZER PER MANUFACTURER PLANT MIX TYPE 'B': ANNUAL, PERENNIAL AND GROUNDCOVER PLANT BEDS SHALL INCLUDE STANDARD MIX WITH THE AMENDMENTS AND AT THE RATES DESCRIBED BELOW:

1. "DAIRY DOO"; OR APPROVED EQUAL APPLIED AT THE MANUFACTURERS RECOMMENDED RATES
2. 13:13:13 FERTILIZER; APPLIED AT THE MANUFACTURERS 3. BONE MEAL; APPLIED AT 5 LBS PER CUBIC YARD OF SOIL



LAND PLANNERS

NOWAK & FRAUS ENGINEERS 46777 WOODWARD AVE. PONTIAC, MI 48342-5032 TEL. (248) 332-7931 FAX. (248) 332-8257



PROJECT Marketplace of Rochester

CLIENT Grenadier Adams MP, LLC 24255 West 13 Mile Suite 220 Bingham Farms, MI 48025

Contact: Josh Grenadier Ph: (248) 752-1748

Part of the Southwest $\frac{1}{4}$ of Section 30 T. 3 North, R. 11 East City of Rochester Hills, Oakland County, Michigan

SHEET Landscape Notes

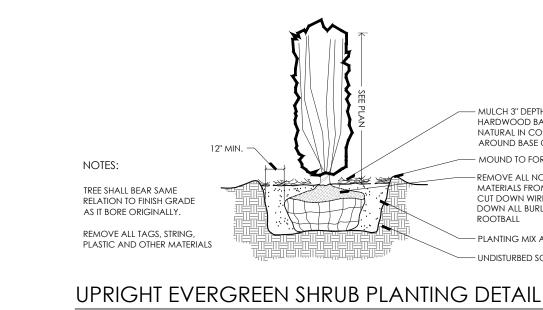
and Details



REVISIONS 02/27/24 ISSUED FOR SITE PLAN REVIEW 04/08/24 REVISED PER CITY REVIEW 05/16/24 REVISED PER CITY REVIEW 06/19/24 REVISED PER CITY REVIEW

DRAWN BY: G. Ostrowski **DESIGNED BY:** G. Ostrowski APPROVED BY: G. Ostrowski DATE: 01/19/2024

SCALE: VARIES SHEET NO.



SPADE CUT EDGE DETAIL



CITY FILE NO. 22-042, SECTION 30 **M623**

+0.0 +0.0 \\ +0.0 \\ 0.0

1.4 *1.4 *1.4 *0.0 *0.0 *0.0 *0.0 *0.0

*1.1 *0.9 *10.7 *0.1 *0.0 *0.0 *60 *0.0

	Designer
	ВК
	Date
	12/19/2023 REV. 01/12,
Received	Scale
6/27/2024 Rochester Hills	Not to Scale
ng & Economic	Drawing N



Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Building A & B ROW	+	0.0 fc	0.1 fc	0.0 fc	N/A	N/A
Building A Parking & Drive Lanes	Ж	1.1 fc	1.9 fc	0.4 fc	4.8:1	2.8:1
Building C Parking & Drive Lanes	Ж	1.2 fc	2.0 fc	0.3 fc	6.7:1	4.0:1
Building C ROW	+	0.0 fc	0.1 fc	0.0 fc	N/A	N/A
Building D Parking & Drive Lanes	Ж	1.0 fc	1.9 fc	0.4 fc	4.8:1	2.5:1
Building D ROW	+	0.0 fc	0.0 fc	0.0 fc	N/A	N/A
Overall	+	0.6 fc	4.0 fc	0.0 fc	N/A	N/A
Property Line	+	0.0 fc	0.2 fc	0.0 fc	N/A	N/A
Within 25' Building A	Ж	1.9 fc	4.0 fc	0.5 fc	8.0:1	3.8:1
Within 25' Building B	Ж	2.2 fc	4.0 fc	1.0 fc	4.0:1	2.2:1
Within 25' Building C	Ж	1.7 fc	2.8 fc	0.9 fc	3.1:1	1.9:1
Within 25' Building D	Ж	1.5 fc	3.2 fc	0.5 fc	6.4:1	3.0:1
Build B Parking & Drive Lanes	Ж	1.3 fc	2.0 fc	0.5 fc	4.0:1	2.6:1

General Note

- 1. SEE SCHEDULE FOR LUMINAIRE MOUNTING HEIGHT.
- 2. SEE LUMINAIRE SCHEDULE FOR LIGHT LOSS FACTOR. 3. CALCULATIONS ARE SHOWN IN FOOTCANDLES AT: 0' - 0" & AT R.O.W 5'-0"

THE ENGINEER AND/OR ARCHITECT MUST DETERMINE APPLICABILITY OF THE LAYOUT TO EXISTING / FUTURE FIELD CONDITIONS. THIS LIGHTING LAYOUT REPRESENTS ILLUMINATION LEVELS CALCULATED FROM LABORATORY DATA TAKEN UNDER CONTROLLED CONDITIONS IN ACCORDANCE WITH ILLUMINATING ENGINEERING SOCIETY APPROVED METHODS. ACTUAL PERFORMANCE OF ANY MANUFACTURER'S LUMINAIRE MAY VARY DUE TO VARIATION IN ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS, AND OTHER VARIABLE FIELD CONDITIONS. MOUNTING HEIGHTS INDICATED ARE FROM GRADE AND/OR FLOOR UP.

THESE LIGHTING CALCULATIONS ARE NOT A SUBSTITUTE FOR INDEPENDENT ENGINEERING ANALYSIS OF LIGHTING SYSTEM SUITABILITY AND SAFETY. THE ENGINEER AND/OR ARCHITECT IS RESPONSIBLE TO REVIEW FOR MICHIGAN ENERGY CODE AND LIGHTING QUALITY COMPLIANCE.

UNLESS EXEMPT, PROJECT MUST COMPLY WITH LIGHTING CONTROLS REQUIRMENTS DEFINED IN ASHRAE 90.1 2013. FOR SPECIFIC INFORMATION CONTACT GBA CONTROLS GROUP AT ASG@GASSERBUSH.COM OR 734-266-6705.

Alternates Note

THE USE OF FIXTURE ALTERNATES MUST BE RESUBMITTED TO THE CITY FOR APPROVAL.

Drawing Note

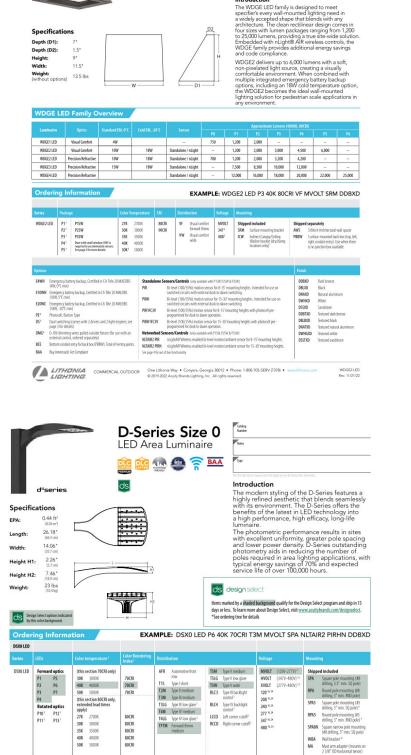
THIS DRAWING WAS GENERATED FROM AN ELECTRONIC IMAGE FOR ESTIMATION PURPOSE ONLY. LAYOUT TO BE VERIFIED IN FIELD BY OTHERS.

Ordering Note

FOR INQUIRIES CONTACT GASSER BUSH AT QUOTES@GASSERBUSH.COM OR 734-266-

Mounting Height Note

MOUNTING HEIGHT IS MEASURED FROM GRADE TO FACE OF FIXTURE. POLE HEIGHT SHOULD BE CALCULATED AS THE MOUNTING HEIGHT LESS BASE HEIGHT.



 $^{+}0.0$ $^{+}0.0$ $^{+}0.0$ $^{+}0.0$ $^{+}0.0$ $^{+}0.0$ $^{+}0.0$ $^{+}0.0$ $^{+}0.0$ $^{+}0.0$ $^{+}0.0$ $^{+}0.0$ $^{+}0.0$

20 BAA

0.2 + 2.7 + 2.0 + 0.6 + 0.2 + 0.1 + 0.0 + 0.0

+00₁ +3₁₃, +2.4 +0.7

**\bigcup_0 \bigcup_2.2 \bigcup_2 \bigcup_1 \bigcup_0.9 \bigcup_0.2

+0.0 +1.0 +0.7 +0\2

+0.0 +0.4 +0.5 +0.4 +0.5

±0.9 +0.0 +0.4 +0.6 +0.5 +0.2

10.0 +0.0 | 1.0 +1.5 | 0.9 +0.3 |

000 †0.0 †2.2 †2.4 †1.3 †0.3

10.0 • 10.0 • 10.4 ° 10

 $0.0^{+}0.0^{+}0.0$ 1.0 2.4 1.7 0.5 0.2

 $0.9^{+0.0}_{-0.0}$

 $0.0^{+0.0}_{-0.0}$ $^{+}0.0$ $^{+}0.6$ $^{+}0.6$ $^{+}0.5$ $^{+}0.5$

 $0.0^{+0.0}$

0.0 +0.0 +2.00 ±5.0 +1.7 +0.4



~ 28 × 40 12.63 628 × 0.6 × 0.5 × 0.6 × 0.6 × 0.6 × 0.7 × 0.

1.6 *2.9 *21 10.8 *0.8 *0.8 *0.9 *0.9 *0.9 *0.8 *0.7 *0.9 *1.8 *1

 $^{+}000.1_{-}0.1_{-}0.3_{-}0.1_{-}0.3_{-}0.1_{-}0.3_{-}0.1_{-}0$ † † 0.0 † 0.1 † 0.0 † † 0.0 $^{+0.0}_{A.B}$ $^{+}_{0.0}$ $^{+}_{0.0}$ $^{(0)}_{0}$ 0.0 $^{+}_{0}$ 0.0 0.00 - 0.0<u>Plan View</u>

*0.8 *1.1 *1.1 *1.0 *0.6 *0.2 *0.1 *0.0 *0.0 *0.0 *0.0 */0.0 */0.0

 $\mathbf{w_2} \stackrel{*}{\otimes}_{\mathbf{2}^{-1}} \stackrel{*}{\circ}_{\mathbf{0},9} \stackrel{*}{\circ}_{\mathbf{0},7} \stackrel{*}{\circ}_{\mathbf{1},0} \stackrel{*}{\circ}_{\mathbf{0},9} \stackrel{*}{\otimes}_{\mathbf{0},0} \stackrel{*}{\circ}_{\mathbf{0},0} \stackrel{*}{\circ}_{\mathbf{$

1.5 $(0.5 \times 0.7 \times 1.0 \times 1.1)$ $(0.0 \times 0.0 \times 0.0 \times 1.0 \times 1.0 \times 1.1)$ $(0.0 \times 0.0 \times 1.0 \times 1$

 2^{1} 1^{1

0.0.1 +0.2 0.4 *0.6 *0.8 *0.5 p5 0 20 0.1 +0.1



	P2 35% 3500K 46K 4000K 56K* 5000K		Shipped AWS PBBW	Induct Canapy/Celling/Washer bracket (day/damp is separately 3/8mch Architectural wall spacer Surface-mounted back box frog, left, right conduit en there is no junction box available.
Options		Finish		
E4WH ³ PE ⁴ DS DMG BCE BAA DSLE	Emergency hattery backup, Certified in CA Tille 20 MAZDBS (MX O'C miss) Photoset, Bartis Type Dourseching Journey with 2 divers and 2 light engines; see page 3 for details 0-100 dimming wines juilide obsisiols them gliv use with an external control, ordered sepi- Bartis conductoring to Acts And to 1978/99). Total of 4 errory paries. Bay hereically Act Compilate Doubly Switching (1 Desc.) (1 juilif Engines)	DDBXD DBLXD DNAXD DNAXD DWHXD DSSXD	Dark bronze Black Natural aluminum White Sandstone	DOBTXD Textured black bronze DBLEXID Textured black DBLEXID Textured natural aluminum DWHGXD Textured sandstone DSSTXD Textured sandstone

LITHONIA COMMERCIAL OUTDOOR One Lithonia Way • Conyers, Georgia 30112 • Phone: 1-800-705-SERV (7378) • www.lithonia.com WOGE1 LED LIGHT/ING.

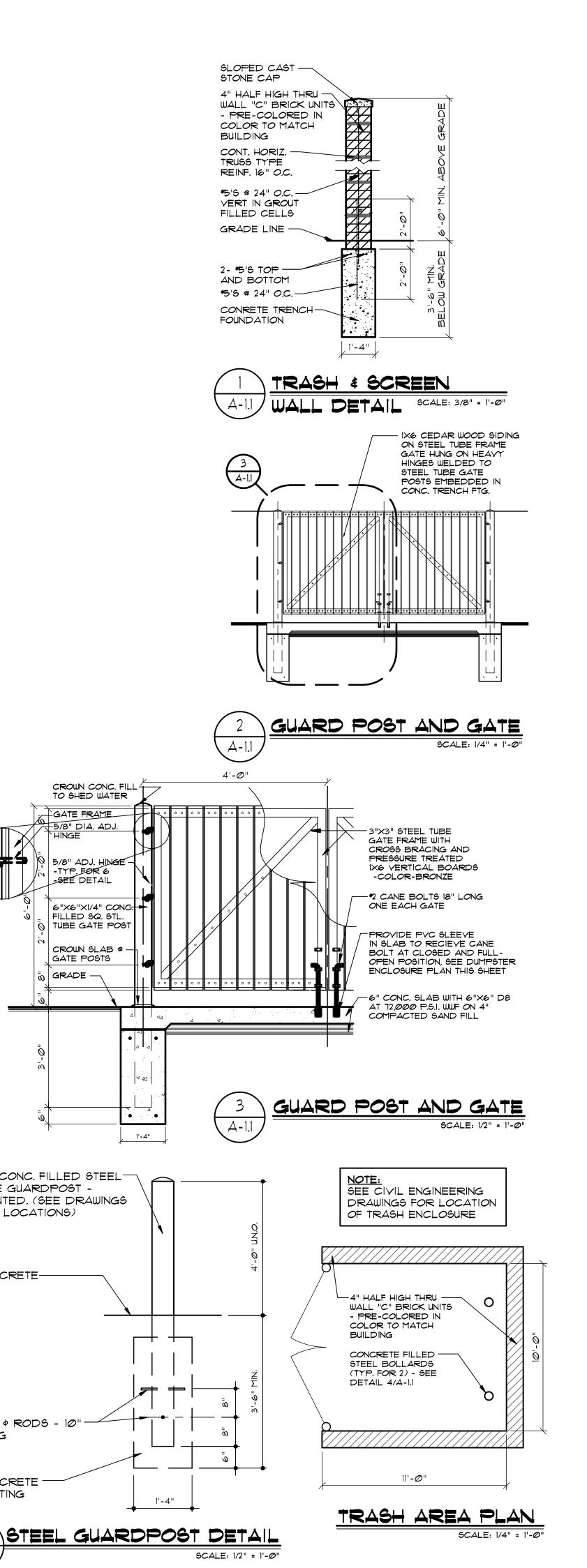
© 2019-2023 Acuty Branck Lighting, Inc. All rights reserved.





2/2024

#23-10108 V4



CROWN CONC. FILL TO SHED WATER

GATE FRAME

5/8" DIA. ADJ.

|0| 5/8" ADJ. HINGE

-TYP. FOR 6 -SEE DETAIL

6"×6"×1/4" CONG.

FILLED SQ. STL. TUBE GATE POST

CROWN SLAB

GATE POSTS

GRADE -

6" P CONC. FILLED STEEL

PAINTED. (SEE DRAWINGS

PIPE GUARDPOST -

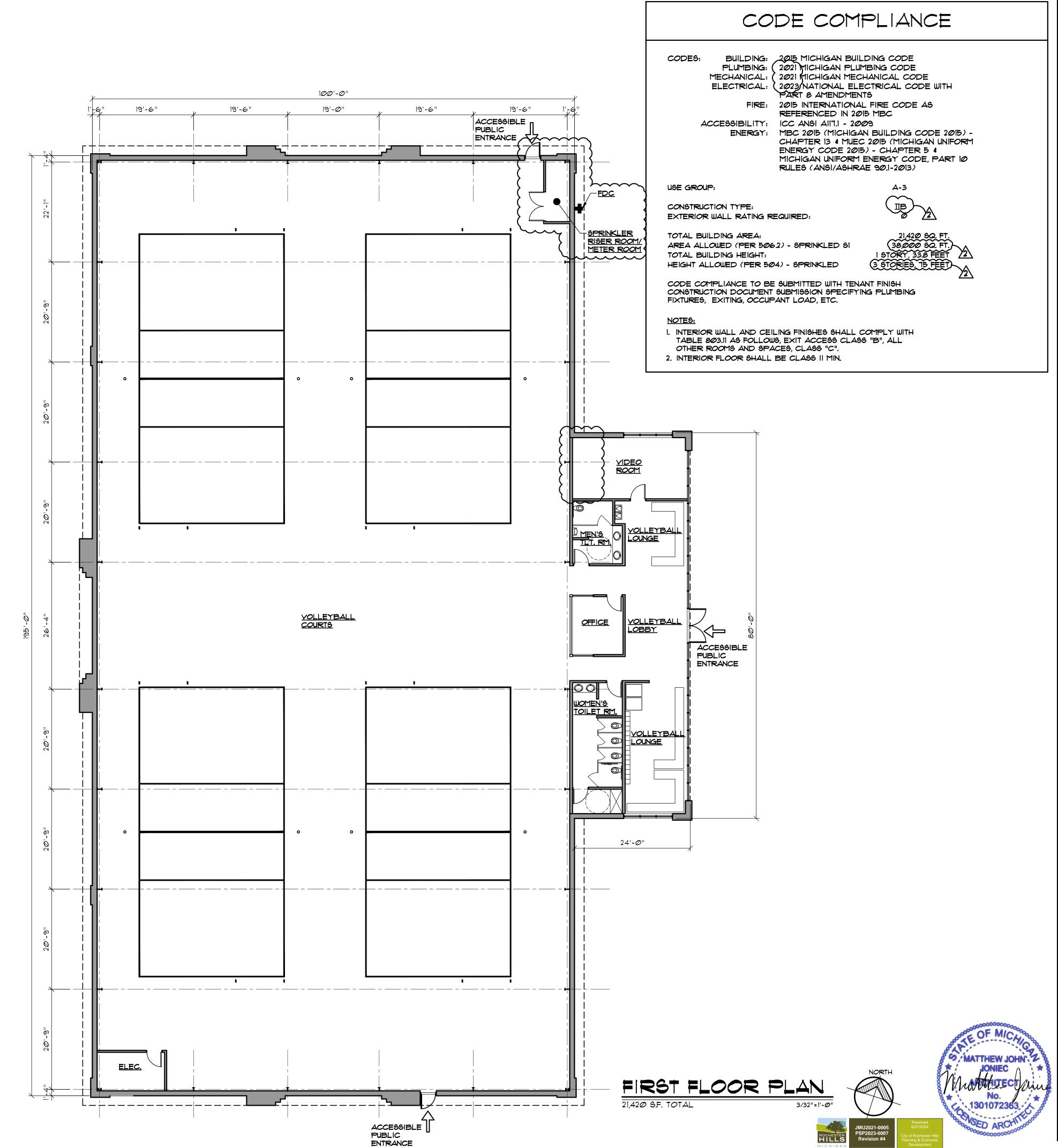
FOR LOCATIONS)

3/4" + RODS - 10"-

LONG

CONCRETE FOOTING

CONCRETE-



ARCHITECTS

30150 Telegraph Rd. Suite 150 Bingham Farms, MI 48025 248.258.5155



PROPOSED:

ATHLETIC FACILITY AT MARKETPLACE OF ROCHESTER HILLS

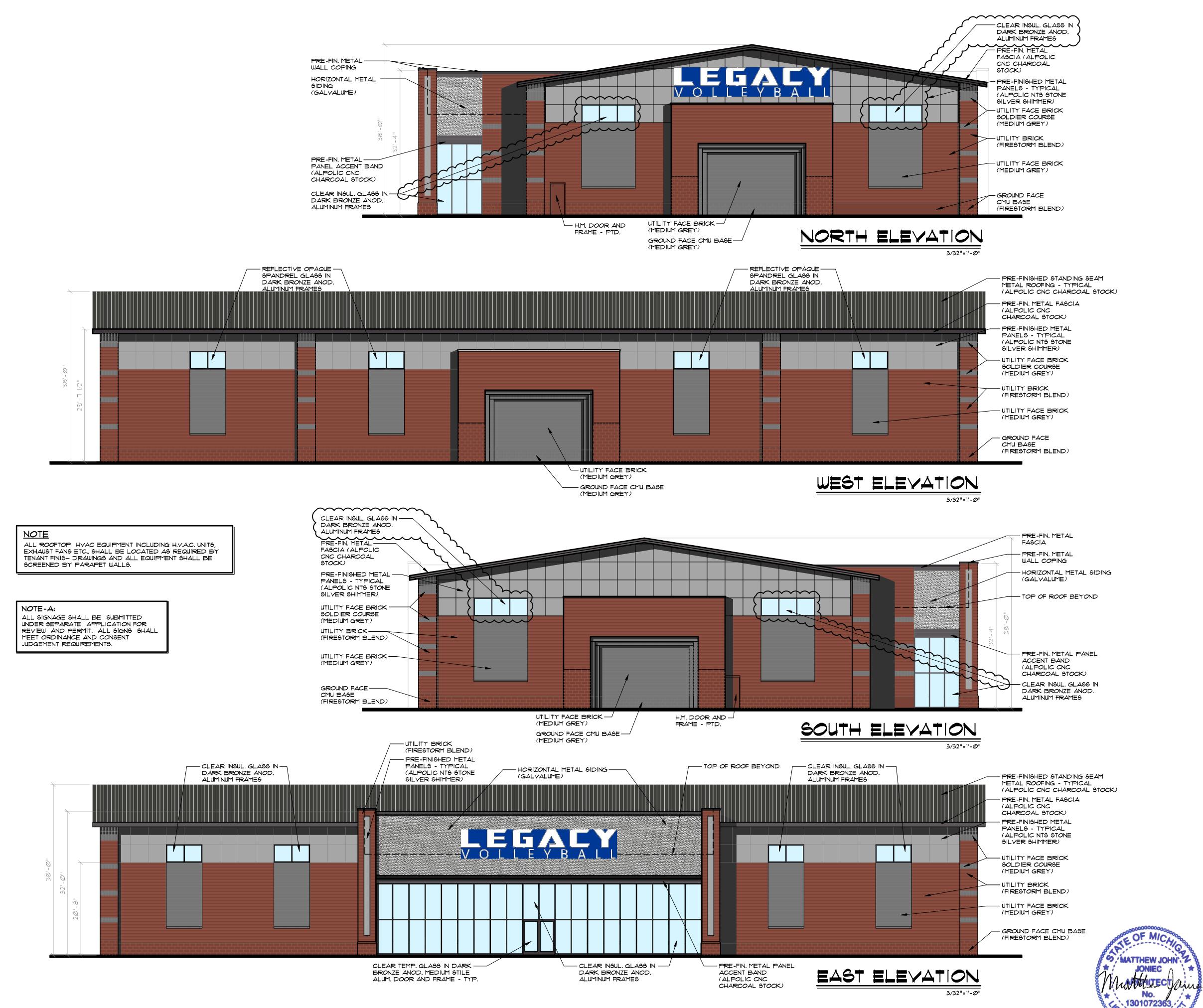
3900 INDUSTRIAL DR. ROCHESTER HILLS, MICHIGAN 48309

FLOOR PLAN -PROPOSED BUILDING "A" ATHLETIC FACILITY

Issued For:

Ø2-28-24 S.P.A. Ø4-Ø5-24 REV.(06-25-24 REV. (*) 🖄

This document and the subject matter contained therin is proprietary and is not to be used or reproduced without the written permission of MBJ Architects.





30150 Telegraph Rd. Suite 150 Bingham Farms, MI 48025 248.258.5155



PROPOSED

ATHLETIC FACILITY AT MARKETPLACE OF ROCHESTER HILLS

3900 INDUSTRIAL DR. ROCHESTER HILLS, MICHIGAN 48309

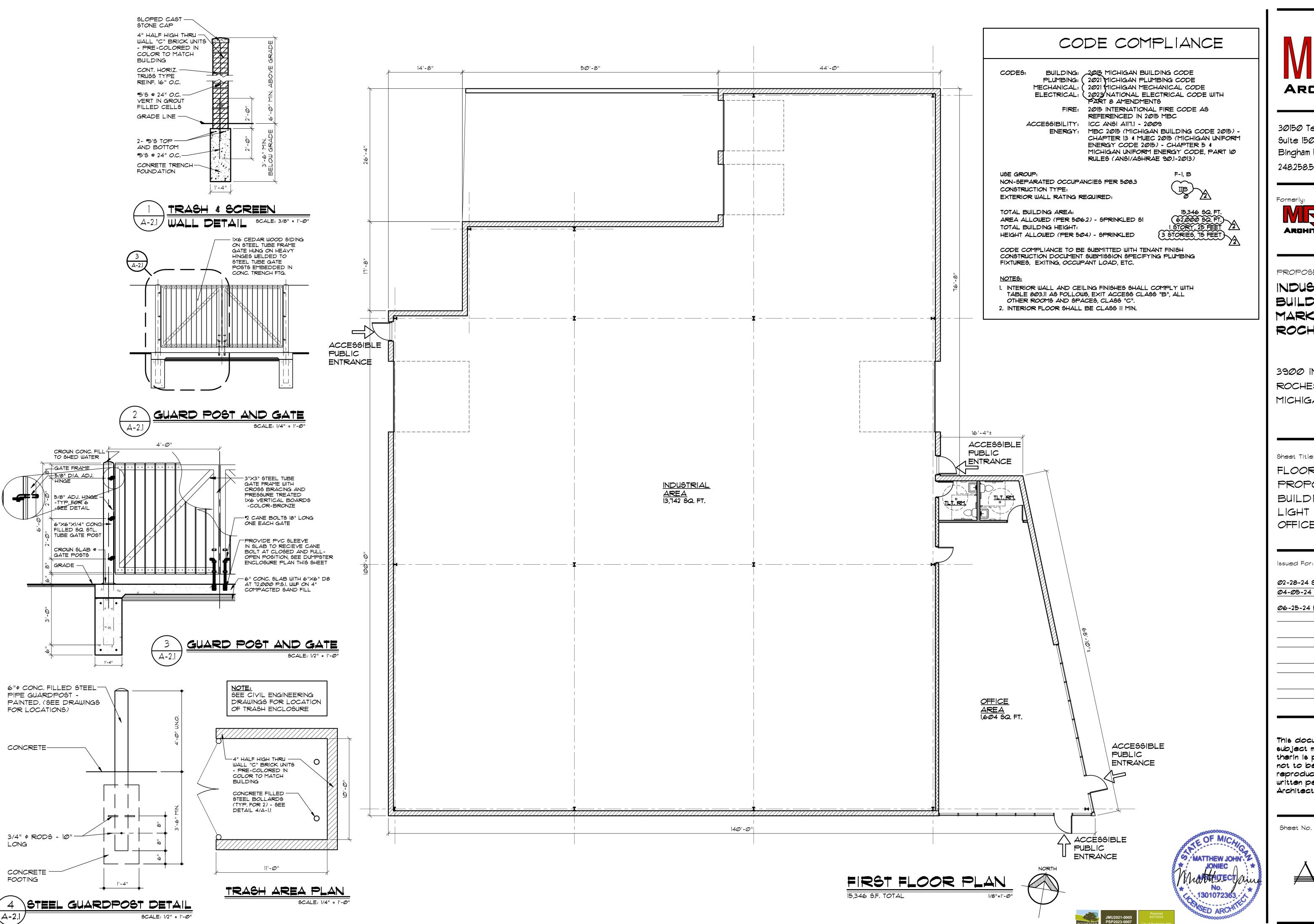
Sheet Title: ELEVATIONS

Issued For: *0*2-28-24 S.P.A. Ø4-Ø4-24 REV.(

This document and the subject matter contained therin is proprietary and is not to be used or reproduced without the written permission of MBJ Architects.







ARCHITECTS

30150 Telegraph Rd. Suite 150 Bingham Farms, MI 48025 248.258.5155



PROPOSED:

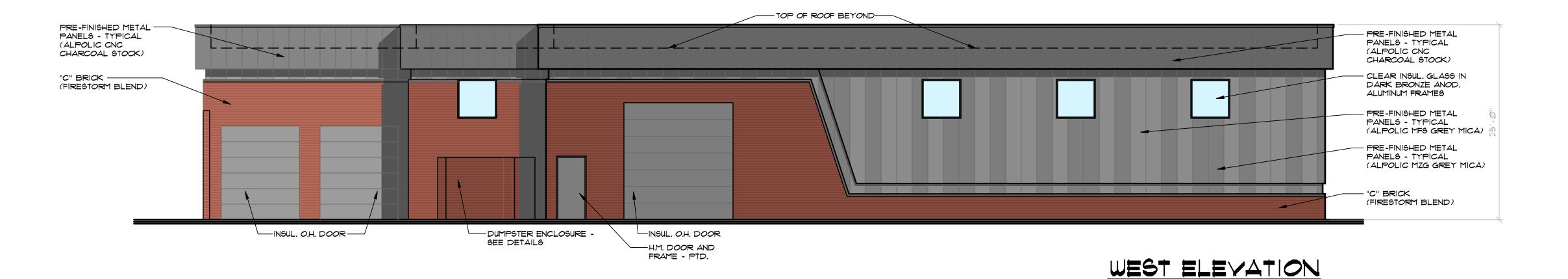
INDUSTRIAL BUILDING AT MARKETPLACE OF ROCHESTER HILLS

3900 INDUSTRIAL DR. ROCHESTER HILLS, MICHIGAN 48309

FLOOR PLAN -PROPOSED BUILDING "B" LIGHT INDUSTRIAL/ OFFICE

Ø2-28-24 S.P.A. Ø4-Ø5-24 REV.(06-25-24 REV. (*) 🖄

This document and the subject matter contained therin is proprietary and is not to be used or reproduced without the written permission of MBJ Architects.

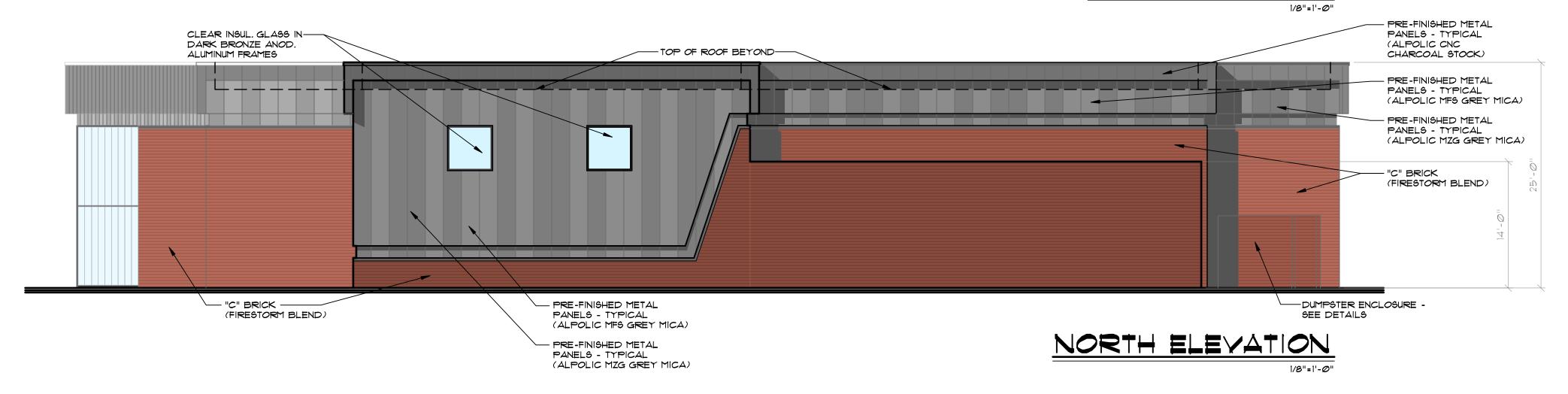


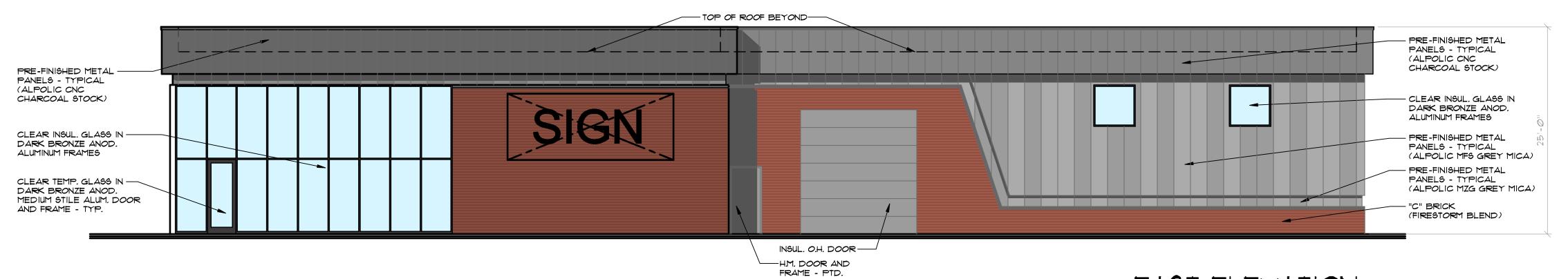
NOTE

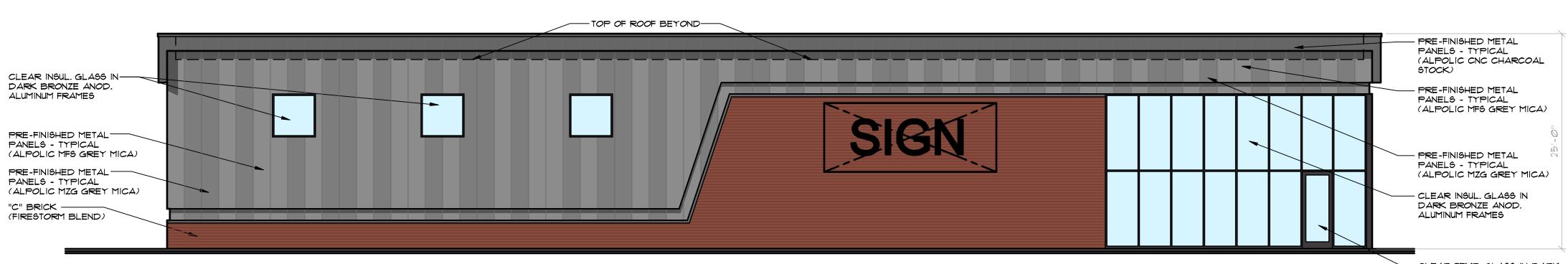
ALL ROOFTOP HYAC EQUIPMENT INCLUDING H.V.A.C. UNITS, EXHAUST FANS ETC., SHALL BE LOCATED AS REQUIRED BY TENANT FINISH DRAWINGS AND ALL EQUIPMENT SHALL BE SCREENED BY PARAPET WALLS.

NOTE-A:

ALL SIGNAGE SHALL BE SUBMITTED UNDER SEPARATE APPLICATION FOR REVIEW AND PERMIT. ALL SIGNS SHALL MEET ORDINANCE AND CONSENT JUDGEMENT REQUIREMENTS.







SOUTH ELEVATION

EAST ELEVATION

1/8"=1'-Ø"

— CLEAR TEMP. GLASS IN DARK BRONZE ANOD. MEDIUM STILE ALUM. DOOR AND FRAME - TYP.



No. 1301072363,

ARCHITECTS

30150 Telegraph Rd. Suite 150 Bingham Farms, MI 48025 248.258.5155



PROPOSED:

INDUSTRIAL BUILDING AT MARKETPLACE OF ROCHESTER HILLS

3900 INDUSTRIAL DR. ROCHESTER HILLS, MICHIGAN 48309

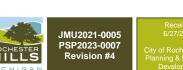
Sheet Title:

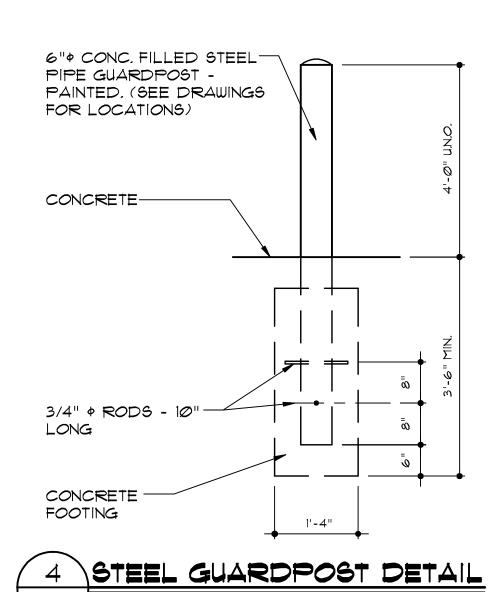
ELEVATIONS

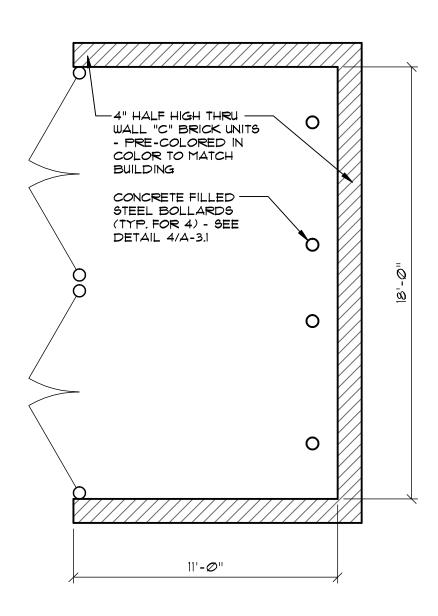
Issued For:

Ø2-28-24 S.P.A.

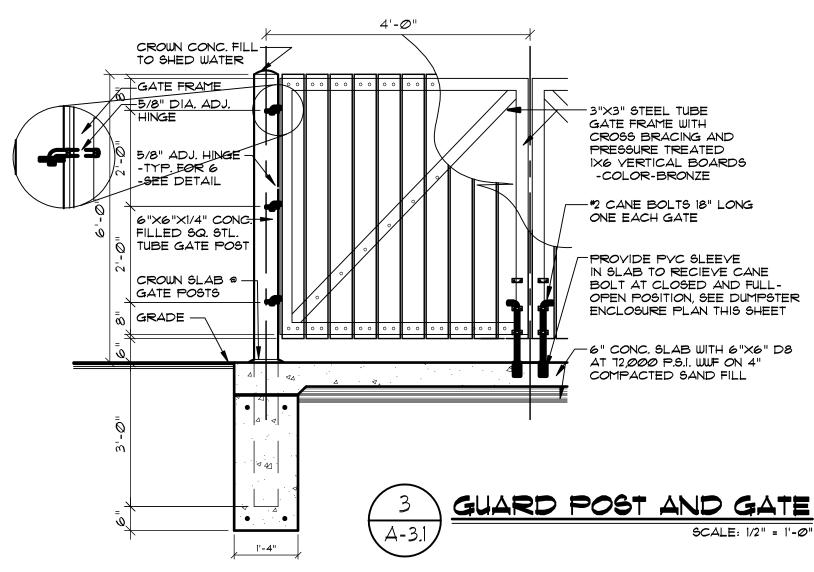
This document and the subject matter contained therin is proprietary and is not to be used or reproduced without the written permission of MBJ Architects.



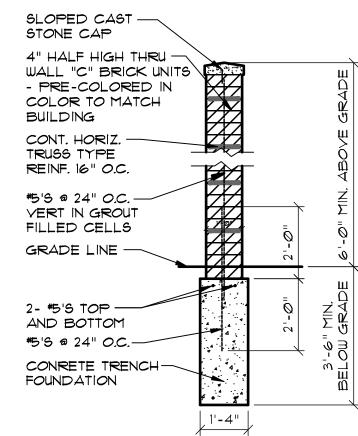


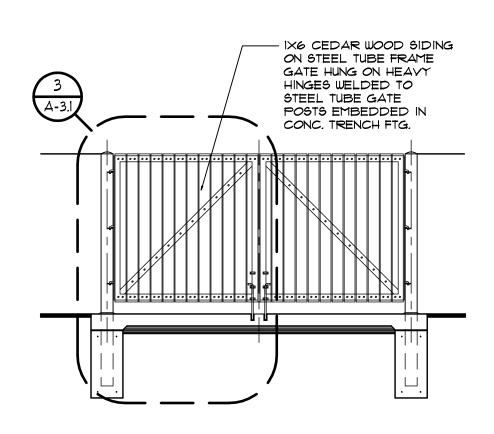


trash area plan SCALE: 1/4" = 1'-@"



SCALE: 1/2" = 1'-@"









CODE COMPLIANCE

BUILDING: 2015 MICHIGAN BUILDING CODE
PLUMBING: 2021 MICHIGAN PLUMBING CODE
MECHANICAL: 2021 MICHIGAN MECHANICAL CODE
ELECTRICAL: 2023 NATIONAL ELECTRICAL CODE WITH
PART 8 AMENDMENTS

FIRE: 2015 INTERNATIONAL FIRE CODE AS REFERENCED IN 2015 MBC ACCESSIBILITY: ICC ANSI AII7.1 - 2009

> ENERGY: MBC 2015 (MICHIGAN BUILDING CODE 2015) -CHAPTER 13 & MUEC 2015 (MICHIGAN UNIFORM ENERGY CODE 2015) - CHAPTER 5 4 MICHIGAN UNIFORM ENERGY CODE, PART 10 RULES (ANSI/ASHRAE 90.1-2013)

> > **A-2**

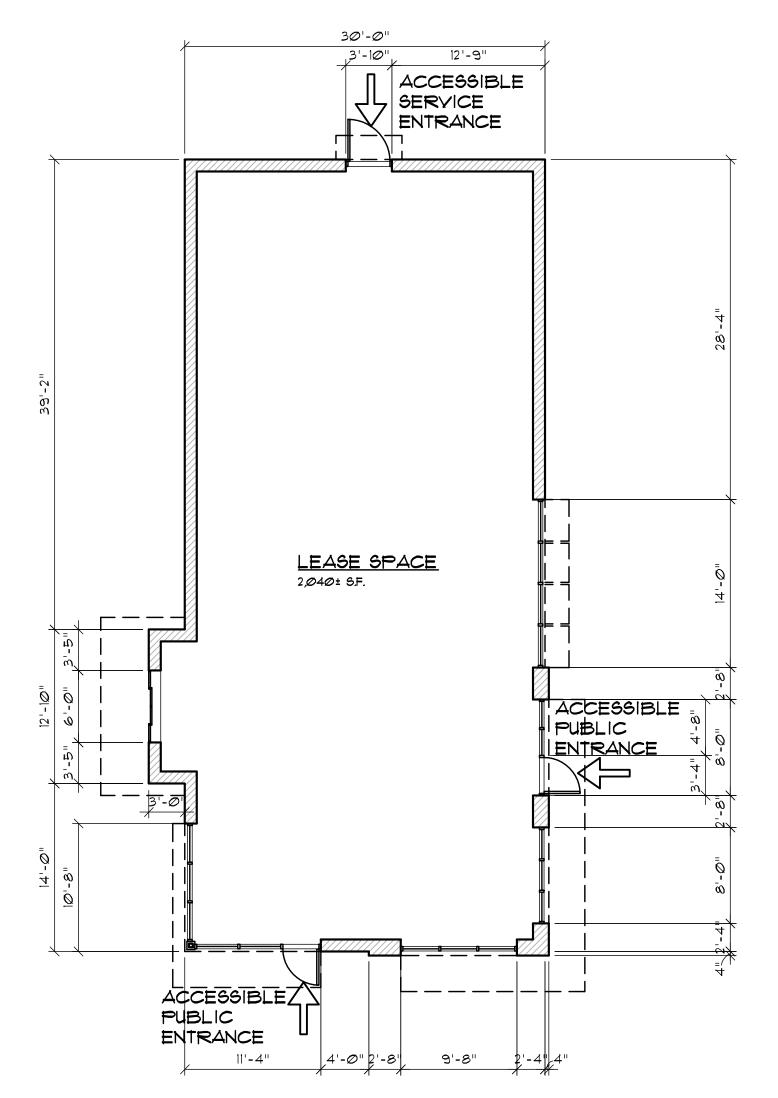
USE GROUP: NON-SEPARATED OCCUPANCIES PER 508.3 CONSTRUCTION TYPE: EXTERIOR WALL RATING REQUIRED:

TOTAL BUILDING AREA: 2,014 SQ. FT. AREA ALLOWED (PER 506.2) - NON-SPRINKLED 6,000 SQ. FT. TOTAL BUILDING HEIGHT: 1 STORY, 21 FEET HEIGHT ALLOWED (PER 504) - NON-SPRINKLED I STORY, 40 FEET

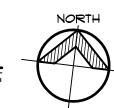
CODE COMPLIANCE TO BE SUBMITTED WITH TENANT FINISH CONSTRUCTION DOCUMENT SUBMISSION SPECIFYING PLUMBING FIXTURES, EXITING, OCCUPANT LOAD, ETC.

1. INTERIOR WALL AND CEILING FINISHES SHALL COMPLY WITH TABLE 803.11 AS FOLLOWS, EXIT ACCESS CLASS "B", ALL OTHER ROOMS AND SPACES, CLASS "C".

2. INTERIOR FLOOR SHALL BE CLASS II MIN.













30150 Telegraph Rd. Suite 150 Bingham Farms, MI 48025 248.258.5155

Formerly:



PROPOSED:

DRIVE-THRU AT MARKETPLACE OF ROCHESTER HILLS

3900 INDUSTRIAL DR. ROCHESTER HILLS, MICHIGAN 48309

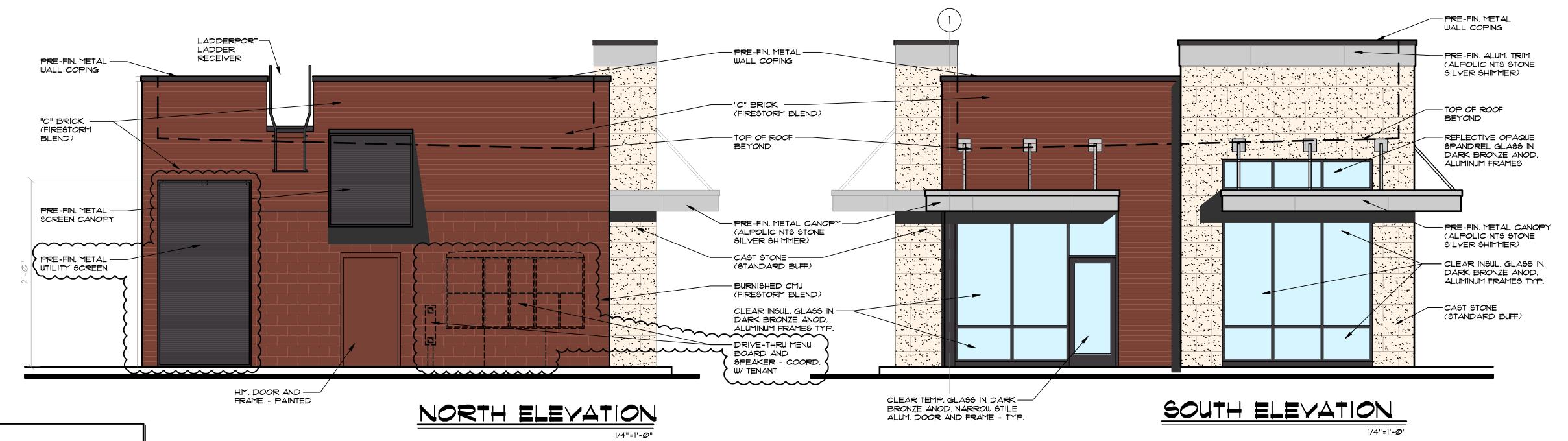
Sheet Title:

FLOOR PLAN -PROPOSED BUILDING "C" RESTAURANT/ DRIVE-THRU

Issued For:

Ø2-28-24 S.P.A. Ø4-Ø5-24 REV.(

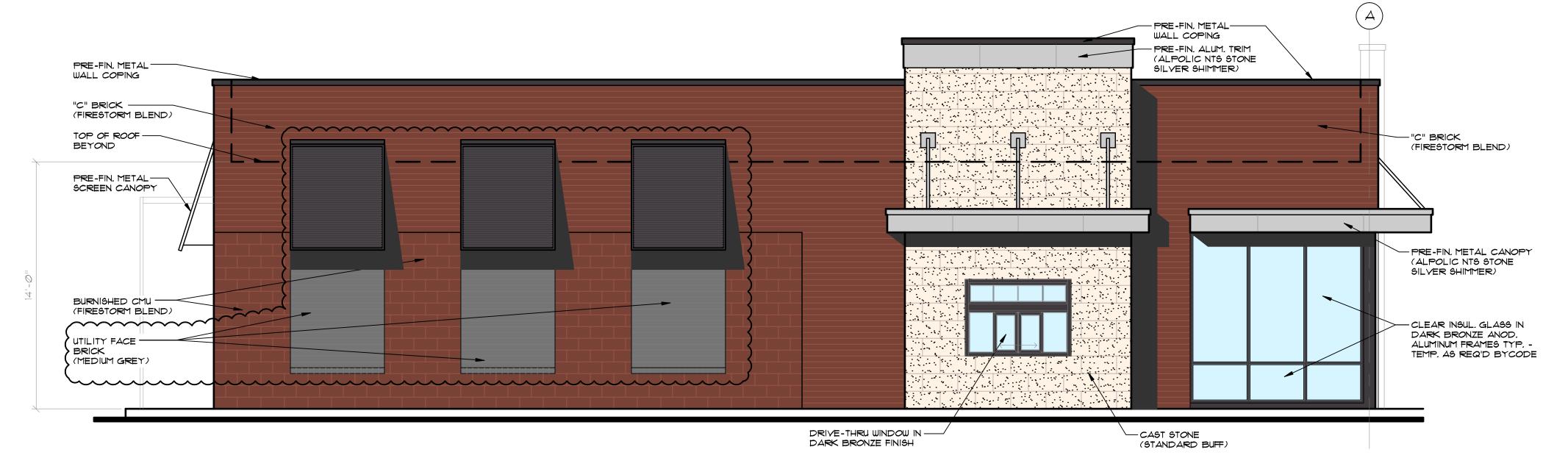
This document and the subject matter contained therin is proprietary and is not to be used or reproduced without the written permission of MBJ Architects.



<u>NOTE</u>

ALL ROOFTOP HYAC EQUIPMENT INCLUDING H.Y.A.C. UNITS, EXHAUST FANS ETC., SHALL BE LOCATED AS REQUIRED BY TENANT FINISH DRAWINGS AND ALL EQUIPMENT SHALL BE SCREENED BY PARAPET WALLS.

NOTE-A: ALL SIGNAGE SHALL BE SUBMITTED UNDER SEPARATE APPLICATION FOR REVIEW AND PERMIT. ALL SIGNS SHALL MEET ORDINANCE AND CONSENT JUDGEMENT REQUIREMENTS.







30150 Telegraph Rd. Suite 150 Bingham Farms, MI 48025 248.258.5155



PROPOSED

DRIVE-THRU AT MARKETPLACE OF ROCHESTER HILLS

3900 INDUSTRIAL DR. ROCHESTER HILLS, MICHIGAN 48309

ELEVATIONS

Sheet Title:

02-28-24 S.P.A.

Ø4-Ø5-24 REV.(

Issued For:

This document and the subject matter contained therin is proprietary and is not to be used or reproduced without the written permission of MBJ

Sheet No.

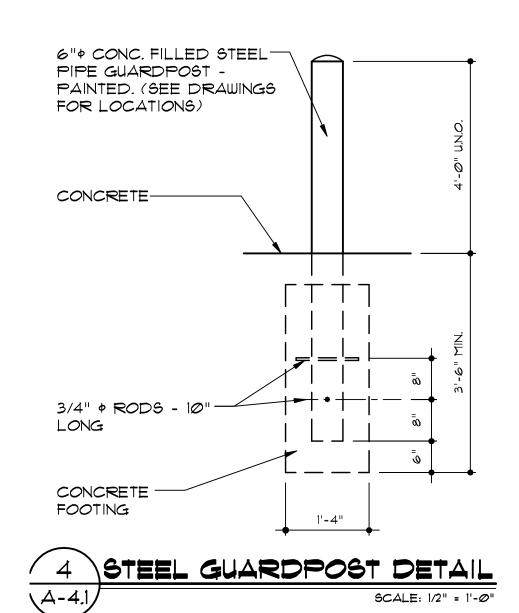
Architects.

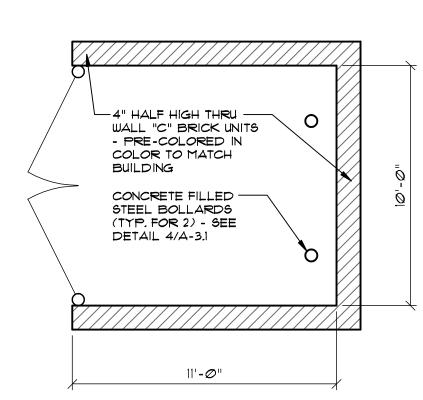




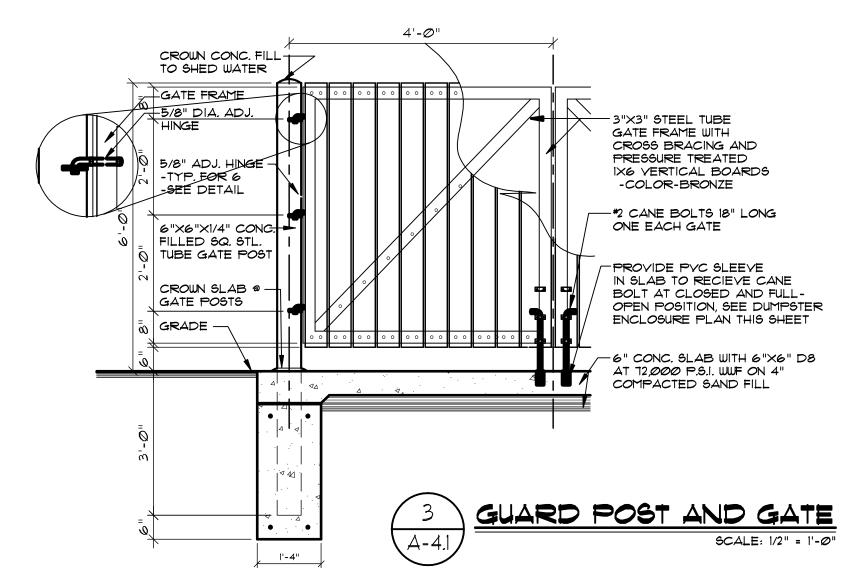


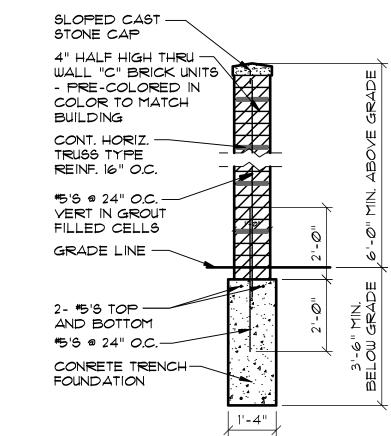
No.

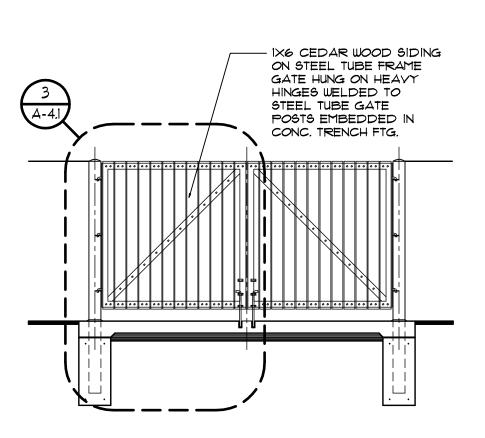




TRASH AREA PLAN











CODE COMPLIANCE

BUILDING: 2015 MICHIGAN BUILDING CODE PLUMBING: 2021 MICHIGAN PLUMBING CODE MECHANICAL: 2021 MICHIGAN MECHANICAL CODE ELECTRICAL: (2023 NATIONAL ELECTRICAL CODE WITH PART 8 AMENDMENTS

FIRE: 2015 INTERNATIONAL FIRE CODE AS REFERENCED IN 2015 MBC

ACCESSIBILITY: ICC ANSI AIIT.I - 2009 ENERGY: MBC 2015 (MICHIGAN BUILDING CODE 2015) -CHAPTER 13 & MUEC 2015 (MICHIGAN UNIFORM ENERGY CODE 2015) - CHAPTER 5 4 MICHIGAN UNIFORM ENERGY CODE, PART 10

VB

RULES (ANSI/ASHRAE 90.1-2013)

USE GROUP: NON-SEPARATED OCCUPANCIES PER 508.3 CONSTRUCTION TYPE:

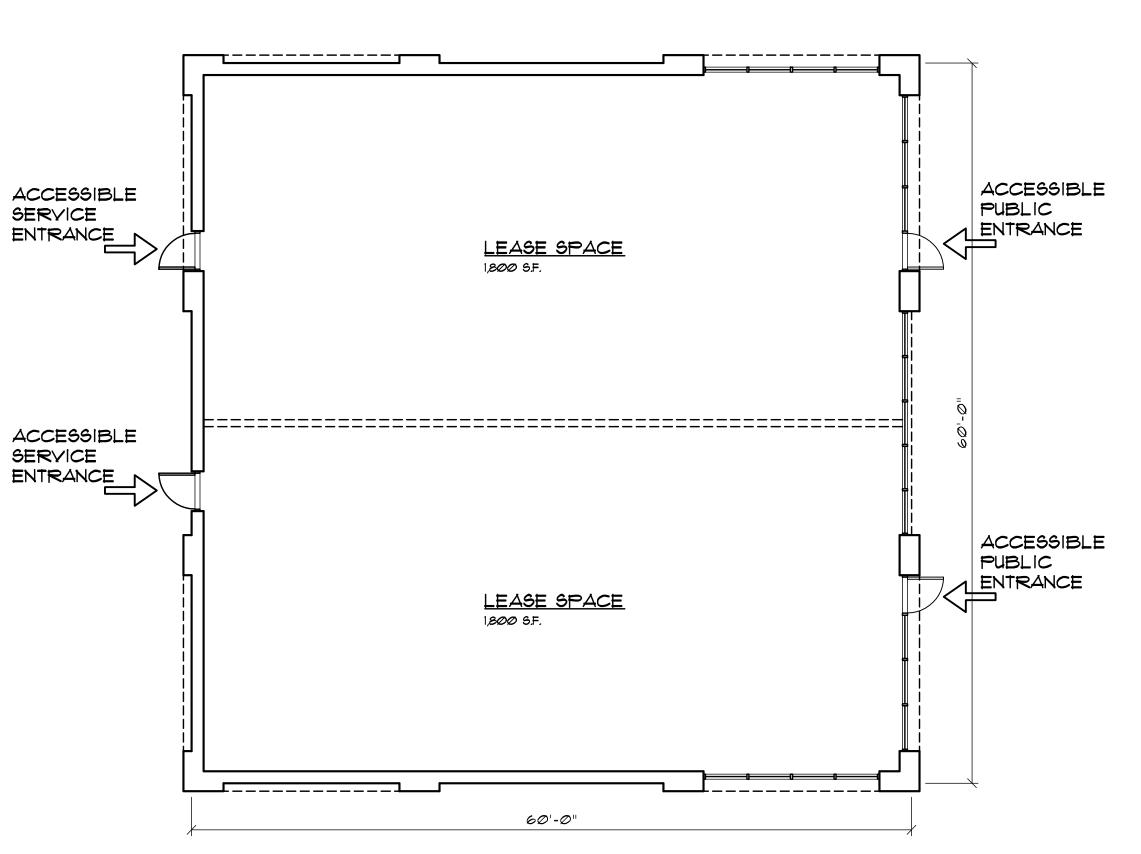
TOTAL BUILDING AREA: 3,600 SQ. FT. AREA ALLOWED (PER 5062) - NON-SPRINKLED 9,000 SQ. FT. TOTAL BUILDING HEIGHT: 1 STORY, 26 FEET HEIGHT ALLOWED (PER 504) - NON-SPRINKLED I STORY, 40 FEET

CODE COMPLIANCE TO BE SUBMITTED WITH EACH TENANT FINISH CONSTRUCTION DOCUMENT SUBMISSION SPECIFYING PLUMBING FIXTURES, EXITING, OCCUPANT LOAD, ETC.

1. INTERIOR WALL AND CEILING FINISHES SHALL COMPLY WITH TABLE 803.11 AS FOLLOWS, EXIT ACCESS CLASS "B", ALL OTHER ROOMS AND SPACES, CLASS "C".

2. INTERIOR FLOOR SHALL BE CLASS II MIN.

EXTERIOR WALL RATING REQUIRED:









30150 Telegraph Rd. Suite 150 Bingham Farms, MI 48025 248.258.5155

Formerly:



PROPOSED:

RETAIL BUILDING AT MARKETPLACE OF ROCHESTER HILLS

3900 INDUSTRIAL DR. ROCHESTER HILLS, MICHIGAN 48309

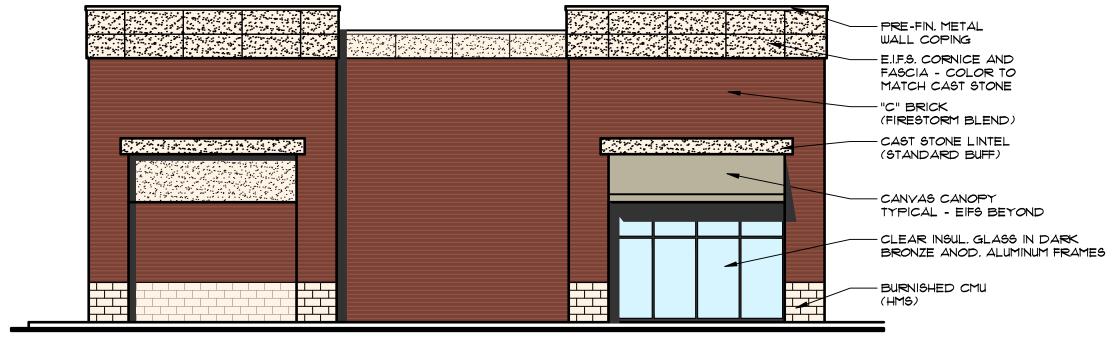
Sheet Title: FLOOR PLAN -PROPOSED BUILDING "D" RETAIL

Issued For:

Ø2-28-24 S.P.A. 04-04-24 REV.(

This document and the subject matter contained therin is proprietary and is not to be used or reproduced without the written permission of MBJ Architects.

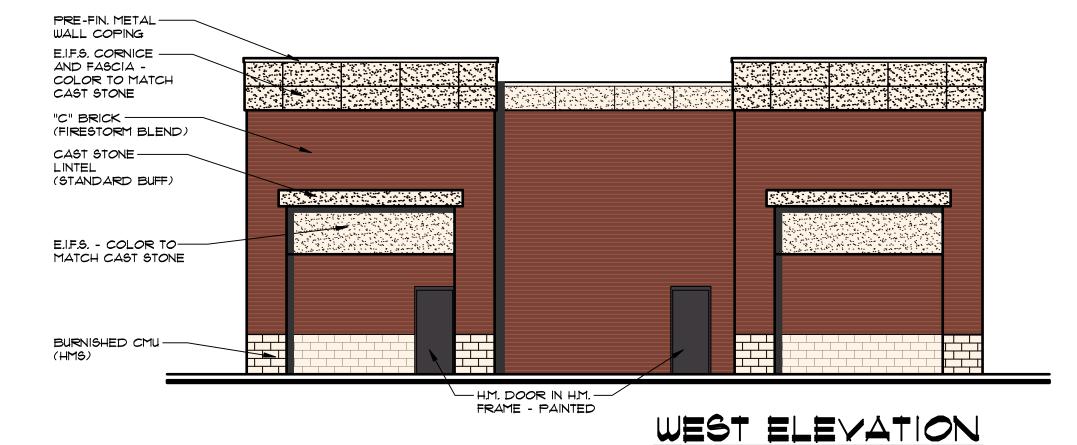


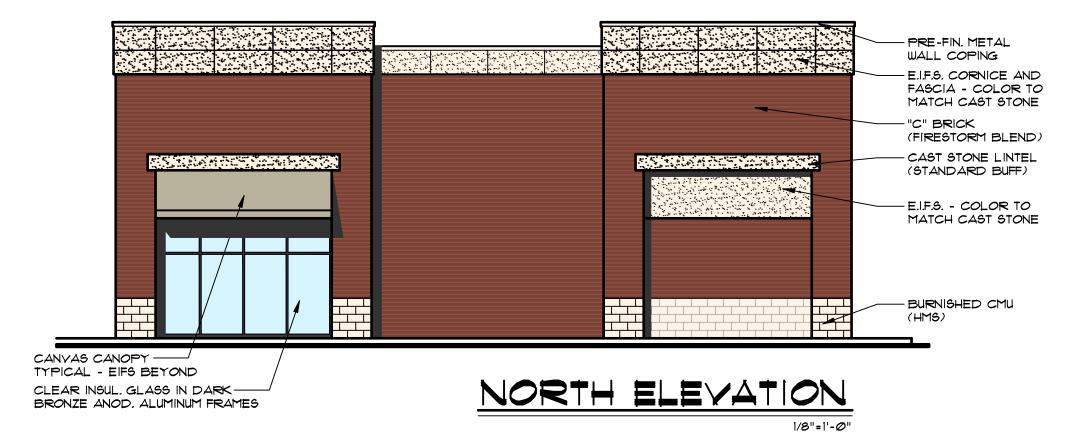


SOUTH ELEVATION

ALL ROOFTOP HYAC EQUIPMENT INCLUDING H.V.A.C. UNITS, EXHAUST FANS ETC., SHALL BE LOCATED AS REQUIRED BY TENANT FINISH DRAWINGS AND ALL EQUIPMENT SHALL BE SCREENED BY PARAPET WALLS.

NOTE-A: ALL SIGNAGE SHALL BE SUBMITTED UNDER SEPARATE APPLICATION FOR REVIEW AND PERMIT. ALL SIGNS SHALL MEET ORDINANCE AND CONSENT JUDGEMENT REQUIREMENTS.











30150 Telegraph Rd. Suite 150 Bingham Farms, MI 48025 248.258.5155



PROPOSED

RETAIL BUILDING AT MARKETPLACE OF ROCHESTER HILLS

3900 INDUSTRIAL DR. ROCHESTER HILLS, MICHIGAN 48309

Sheet Title:

ELEVATIONS

Issued For:

Ø2-28-24 S.P.A.

This document and the subject matter contained therin is proprietary and is not to be used or reproduced without the

written permission of MBJ

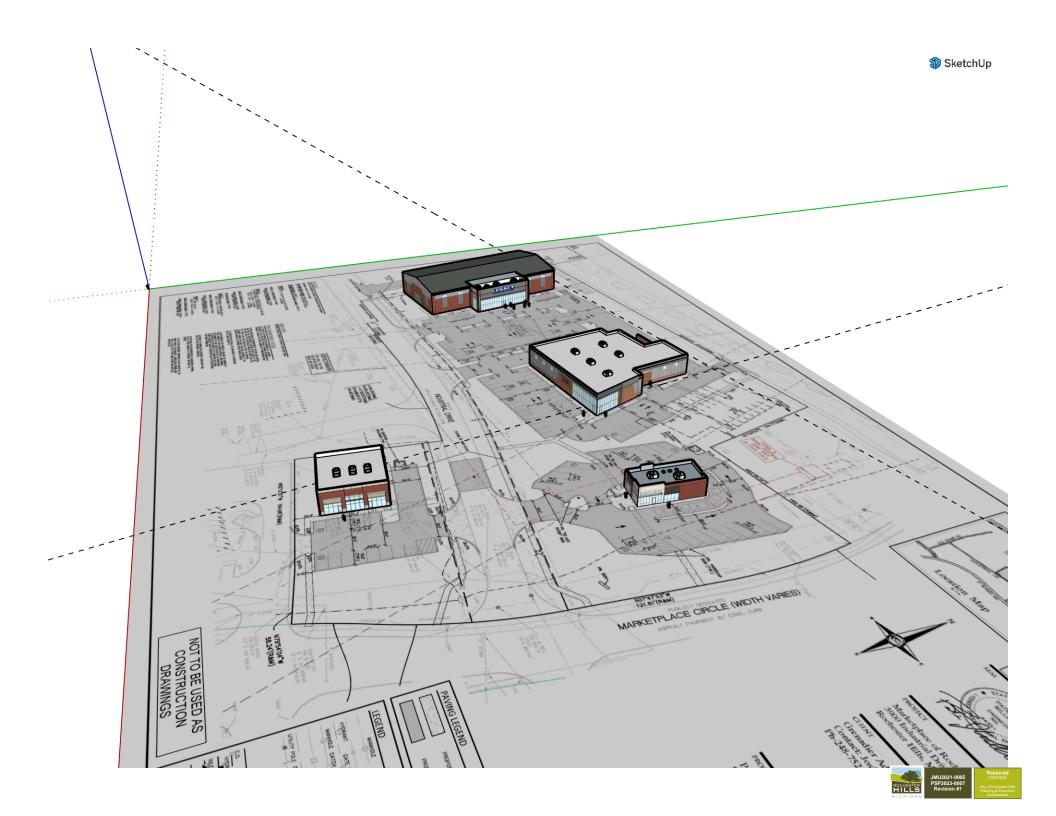
Sheet No.

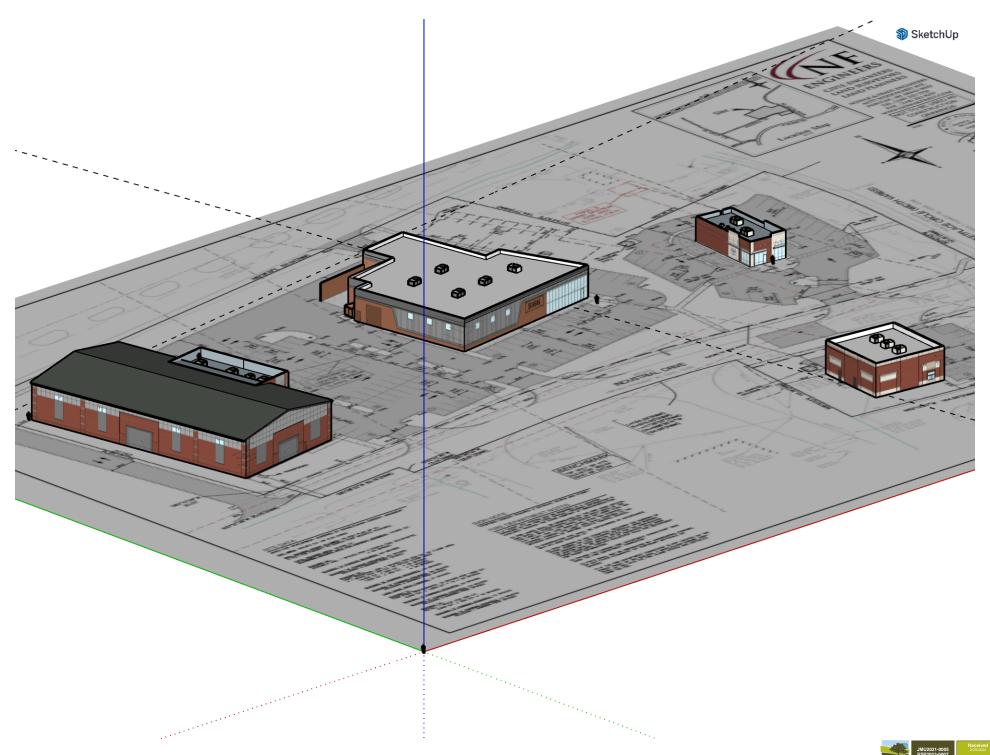
Architects.







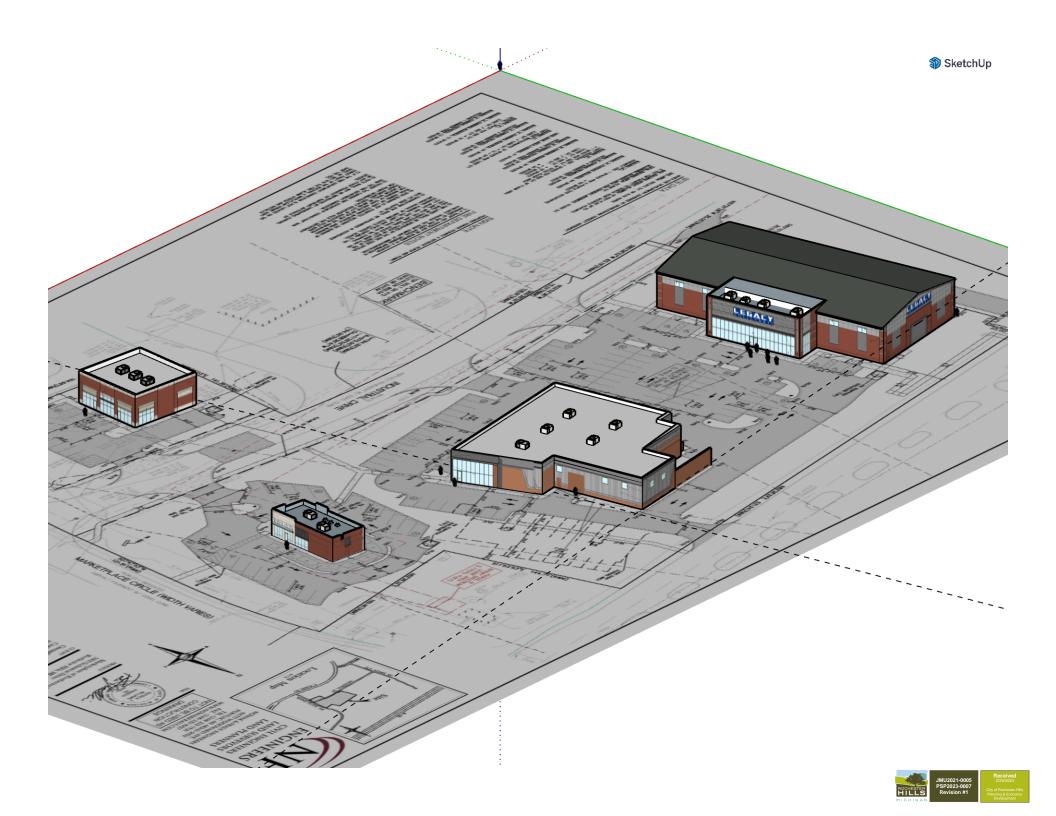












Site Plan w Aerials.pdf Markup Summary

Building Department (2)

Subject: Building Department Author: Mark Artinian Date: 7/8/2024 4:39:51 PM

Status:

Mark Artinian 248-841-2446 ArtinianM@RochesterHills.org

Yes

Subject: Building Department Author: Mark Artinian Date: 7/8/2024 4:40:47 PM

Status:

Yes

Engineering Department (1)

Subject: Engineering Department

Author: Jason Boughton Date: 7/1/2024 9:26:25 AM

Status:

Fire Department (5)



Subject: Fire Department Author: Ann Echols Date: 7/1/2024 7:14:08 AM

Status:

21'-6 1/4"



Subject: Fire Department Author: Ann Echols Date: 7/1/2024 7:52:54 AM

.....

Status:

remove from drawing



Subject: Fire Department Author: Ann Echols Date: 7/1/2024 7:56:25 AM

Status:

46'-3 1/4"



Subject: Fire Department Author: Ann Echols Date: 7/1/2024 7:56:31 AM

Status:

16'-1/4"

Subject: Fire Department Author: Ann Echols Date: 7/1/2024 8:03:17 AM

Status:

Group (22)



Subject: Group Author: macdonaldj

Date: 6/28/2024 2:16:00 PM

Status:

City of Rochester Hills Planning & Economic Development

The Part I was a second of the	Subject: Group Author: C.McLeod Date: 7/15/2024 3:36:07 PM Status:	
THE STATE OF THE S	Subject: Group Author: C.McLeod Date: 7/15/2024 3:38:16 PM Status:	Received 6/27/2024 City of Rochester Hills Planning & Economic Development
A CONTRACTOR OF THE PROPERTY O	Subject: Group Author: C.McLeod Date: 7/15/2024 3:38:22 PM Status:	Received 6/27/2024 City of Rochester Hills Planning & Economic Development
Annual on Facilities Statement State	Subject: Group Author: C.McLeod Date: 7/15/2024 3:38:25 PM Status:	Received 6/27/2024 City of Rochester Hills Planning & Economic Development
**************************************	Subject: Group Author: C.McLeod Date: 7/15/2024 3:38:30 PM Status:	Received 6/27/2024 City of Rochester Hills Planning & Economic Development
2N #**-I-©	Subject: Group Author: C.McLeod Date: 7/15/2024 3:38:42 PM Status:	Received 6/27/2024 City of Rochester Hills Planning & Economic Development
Parameter and Pa	Subject: Group Author: C.McLeod Date: 7/15/2024 3:38:46 PM Status:	Received 6/27/2024 City of Rochester Hills Planning & Economic Development
War-1-9	Subject: Group Author: C.McLeod Date: 7/15/2024 3:38:51 PM Status:	Received 6/27/2024 City of Rochester Hills Planning & Economic Development
	Subject: Group Author: C.McLeod Date: 7/15/2024 3:38:56 PM Status:	Received 6/27/2024 City of Rochester Hills Planning & Economic Development
Application of Technology (1997) (199	Subject: Group Author: C.McLeod Date: 7/15/2024 3:39:02 PM Status:	Received 6/27/2024 City of Rochester Hills Planning & Economic

City of Rochester Hills Planning & Economic Development

Subject: Group Received Author: C.McLeod 6/27/2024 Date: 7/15/2024 3:39:08 PM Status: City of Rochester Hills Planning & Economic Development Subject: Group <u>UN</u> Received Author: C.McLeod 6/27/2024 Date: 7/15/2024 3:39:14 PM Status: City of Rochester Hills Planning & Economic Development Subject: Group Received Author: C.McLeod 6/27/2024 Date: 7/15/2024 3:39:19 PM Status: City of Rochester Hills Planning & Economic Development Subject: Group Received Author: C.McLeod 6/27/2024 Date: 7/15/2024 3:39:25 PM Status: City of Rochester Hills Planning & Economic Development Subject: Group Received Author: C.McLeod 6/27/2024 Date: 7/15/2024 3:39:31 PM Status: City of Rochester Hills Planning & Economic Development Subject: Group Received Author: C.McLeod 6/27/2024 Date: 7/15/2024 3:39:37 PM Status: City of Rochester Hills Planning & Economic Development Subject: Group Received Author: C.McLeod 6/27/2024 Date: 7/15/2024 3:39:44 PM Status: City of Rochester Hills Planning & Economic Development Subject: Group Received Author: C.McLeod 6/27/2024 Date: 7/15/2024 3:39:51 PM Status: City of Rochester Hills Planning & Economic Development Subject: Group Received Author: C.McLeod 6/27/2024 Date: 7/15/2024 3:39:58 PM Status: City of Rochester Hills Planning & Economic Development Subject: Group Received Author: C.McLeod 6/27/2024 Date: 7/15/2024 3:40:04 PM Status: City of Rochester Hills Planning & Economic Development



Subject: Group Author: C.McLeod

Date: 7/15/2024 3:40:09 PM

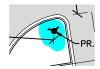
Status:

Received 6/27/2024

City of Rochester Hills Planning & Economic

Development

Highlight (16)



Subject: Highlight Author: Ann Echols Date: 7/1/2024 7:13:24 AM

Status:



Subject: Highlight Author: Ann Echols Date: 7/1/2024 7:13:27 AM

Status:



Subject: Highlight Author: Ann Echols Date: 7/1/2024 7:13:32 AM

Status:



Subject: Highlight Author: Ann Echols Date: 7/1/2024 7:13:35 AM

Status:



Subject: Highlight Author: Ann Echols Date: 7/1/2024 7:13:42 AM

Status:



Subject: Highlight Author: Ann Echols Date: 7/1/2024 7:13:46 AM

Status:



Subject: Highlight Author: Ann Echols Date: 7/1/2024 7:51:24 AM

Status:



Subject: Highlight Author: Ann Echols Date: 7/1/2024 7:51:31 AM

Status:

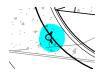


Subject: Highlight Author: Ann Echols Date: 7/1/2024 7:51:37 AM

Status:



Subject: Highlight F.F. 877.2 Author: Ann Echols TYPE VB CONSTF Date: 7/1/2024 7:51:44 AM



Subject: Highlight Author: Ann Echols Date: 7/1/2024 7:52:20 AM

Status:



Subject: Highlight Author: Ann Echols Date: 7/1/2024 7:55:53 AM

Status:



Subject: Highlight Author: Ann Echols

Date: 7/1/2024 7:57:24 AM

Status:

MAINTAIN MINIMUM 3' **CLEARANCE ARO**



Subject: Highlight Author: Ann Echols

Date: 7/1/2024 7:57:26 AM

Status:

FDC, TYPICAL



Subject: Highlight Author: Ann Echols

Date: 7/1/2024 8:00:32 AM

Status:

SA 53 Dwarf Arctic Willow

Salix purpurea 'Nana' 30" HT CONT

42" OC



Subject: Highlight Author: Ann Echols Date: 7/1/2024 8:00:46 AM

Status:

53-SA

Image (1)



Subject: Image Author: Ann Echols Date: 7/1/2024 8:02:30 AM

Status:

Jenny McGuckin - YES (1)

Subject: Jenny McGuckin - YES Author: Jenny McGuckin Date: 7/1/2024 7:27:57 AM

Status:

Natural Resouces (1)

Subject: Natural Resouces Author: Matt Einheuser Date: 7/12/2024 9:47:54 AM

Status:

Planning Department (2)

Subject: Planning Department **Author:** C.McLeod

Date: 7/15/2024 3:24:42 PM

Status:

Assessing

Yes

Subject: Planning Department

Author: C.McLeod

Date: 7/18/2024 8:45:46 AM

Status:

Civil Engineer

Traffic (1)

Subject: Traffic Author: Keith

Date: 7/17/2024 2:35:07 PM

Status: