GENOA CHARTER TOWNSHIP BOARD

Regular Meeting February 5, 2024 6:30 p.m.

AGENDA

Call to Order:

Pledge of Allegiance:

Call to the Public (Public comment will be limited to two minutes per person) *:

Approval of Consent Agenda:

- 1. Payment of Bills: February 5, 2024
- 2. Request to approve January 22, 2024 regular meeting minutes

Approval of Regular Agenda:

- 3. Public hearing and review of Fiscal Year 2024/2025 Budgets for funds 101, 202, 208, 212, 249, 401, and 464
 - A. Call to the Public.
 - B. Board Discussion.
- 4. Consideration of a recommendation for approval for a special use application, environmental impact assessment and site plan to allow for a contractor's yard with outdoor storage, wetland buffer encroachment and accessory fuel storage located at 855 Victory Drive, east side of Victory Drive, south of Grand River Avenue. The request is petitioned by Michigan Recreation Construction, Inc.
 - A. Disposition of Special Use Application
 - B. Disposition of Environmental Impact Assessment (1-15-24)
 - C. Disposition of Site Plan (1-26-24)
- 5. Consideration of a recommendation for approval of a special use application, preliminary site plan and environmental impact assessment for a 2-unit non-residential site condominium with contractor's offices and yards with outdoor storage and accessory fuel storage. The property is located at 2025 Euler Road, east side of Euler Road, north of Grand River Avenue. The request is petitioned by Desine, Inc.
 - A. Disposition of Special Use Application
 - B. Disposition of Environmental Impact Assessment. (1-26-24)
 - C. Disposition of Site Plan (dated 1-26-24)
- 6. Request for approval of **Resolution #5C**, the third amendment to Resolution #5 for the Pine Creek Ridge Road Improvement Special Assessment District to extend the interest free prepayment period from March 1, 2024 to June 1, 2024. (Roll Call)

- 7. Request for approval of a proposal from Adams Well Drilling & Water Treatment, Inc. to replace and improve the water treatment system at the Township Hall to include an upgraded water softener and iron removal system with associated plumbing at a cost not to exceed \$8,355.00 from Capital Outlay fund 101-900-970-000.
- 8. Request for approval of a proposal from Amistee Air Duct Cleaning and Insulation to clean the 6 Township Hall furnaces and associated ductwork, diffusers and vents at a cost not to exceed \$6,200.00 from Building and Grounds Maintenance fund 101-265-934-060.

Correspondence Member Discussion Adjournment

*Citizen's Comments- In addition to providing the public with an opportunity to address the Township Board at the beginning of the meeting, opportunity to comment on individual agenda items may be offered by the Chairman as they are presented.

BOARD PACKET

CHECK REGISTERS FOR TOWNSHIP BOARD MEETING

MEETING DATE: February 5, 2024

All information below through January 31, 2024		
TOWNSHIP GENERAL EXPENSES		\$ 86,411.83
February 2, 2023 Bi Weekly Payroll		\$ 125,177.43
OPERATING EXPENSES DPW (503 FN)		\$ 458,917.33
OPERATING EXPENSES Oak Pointe (592FN)		\$ 6,228.65
OPERATING EXPENSES Lake Edgewood (593FN)	_	\$ 9,327.39
	TOTAL	\$ 686.062.63

FNBCK Check Register

01/31/2024 11:4 User: denise	5 AM	CHECK REGISTER FOR GENOA TOWNSHIP	Page: 1/1
DB: Genoa Towns	hip	CHECK NUMBERS 38656 - 40000	
Check Date	Check	Vendor Name	Amount
Bank FNBCK CHEC	KING ACCOUNT		
01/22/2024	38656	BLUE CROSS & BLUE SHIELD OF MI	56,212.21
01/22/2024	38657	COMCAST	731.64
01/22/2024	38658	CONSUMERS ENERGY	579.13
01/22/2024	38659	LIVINGSTON PRESS & ARGUS	680.00
01/22/2024	38660	MARY KRENCICKI	52.93
01/22/2024	38661	MEI TOTAL ELEVATOR SOLUTIONS	940.00
01/22/2024	38662	PM TECHNOLOGIES	667.00
01/22/2024	38663	SEMCOG	2,918.00
01/22/2024	38664	SEMCOG	3,079.00
01/22/2024	38665	STAPLES	552.00
01/22/2024	38666	VERIZON WIRELESS	406.90
01/25/2024	38667	AMERICAN AQUA	85.80
01/25/2024	38668	AMERICAN GENERAL LIFE INSURANC	290.00
01/25/2024	38669	COMCAST	277.76
01/25/2024	38670	DELTA DENTAL	4,368.68
01/25/2024	38671	DIANA LOWE	67.62
01/25/2024	38672	MICHIGAN OFFICE SOLUTIONS	230.26
01/25/2024	38673	MUTUAL OF OMAHA	3,151.75
01/25/2024	38674	QUADIENT FINANCE USA, INC	1,500.00
01/25/2024	38675	WILLIAM ROGERS	68.69
01/30/2024	38676	CAPITAL ONE	131.04
01/30/2024	38677	DTE ENERGY	34.42
01/30/2024	38678	DYKEMA GOSSETT PLLC	3,581.00
01/30/2024	38679	JTM CLEANING & GENERAL CONTRACTING	5,131.00
01/30/2024	38680	NORTHERN PLUMBING, INC.	325.00
01/30/2024	38681	UNITED STATES POSTAL SERVICE	350.00
FNBCK TOTALS:			
Total of 26 Che			86,411.83
Less 0 Void Che	cks:		0.00
Total of 26 Dis	bursements:		86,411.83

February 2, 2023 Bi Weekly Payroll

01/31/2024 10	:44 AM		PAYROLL REGIST	ER REPORT FO	R GENOA CHARTER	TOWNSHIP			Page 33 of 3
				Payroll :	ID: 272				
			iod End Date: 01/26/2						
* YTD values	reflect val	lues AS OF the check d	ate based on all cur	rent adjustm	ents, checks, v	oid checks			
ZBA MI	NUTES	1.00	0.00	181 65	544 95				
	NUTES OT	0.00	0.00	0.00	0.00				
ZBA PE	R DIEM	4.00	0.00	813.80	1,627.60				
Gross Pay Thi	is Period	Deduction Refund	Ded. This Period	Net Pay Th	is Period	Gross Pa	ay YTD	Dir. Dep.	
12	24,060.72	0.00	36,512.29		87,548.43	382,2	39.86	86,703.60	
01/31/2024 10	:46 AM		Check Register	Report For	Genoa Charter	Township			Page 1 of
			For Check	Dates 02/02/	2024 to 02/02/2	024			
						Check	Physical	Direct	
Check Date	Bank	Check Number	Name			Gross	Check Amount	Deposit	Status
02/02/2024	FNBCK	13960	MULLALLY-HENNE, MAI	RGARET A		1,049.00	844.83	0.00	Open
02/02/2024	FNBCK	EFT893	FLEX SPENDING (TASC)		1,013.06	1,013.06	0.00	Open
02/02/2024	FNBCK	EFT894	INTERNAL REVENUE SE	RVICE	2	9,020.73	29,020.73	0.00	Open
02/02/2024	FNBCK	EFT895	PRINCIPAL FINANCIAL			5,211.00	5,211.00	0.00	Open
02/02/2024	FNBCK	EFT896	PRINCIPAL FINANCIAL			2,384.21	2,384.21	0.00	Open
Totals:			Number of Checks:	005	3	8,678.00	38,473.83	0.00	
T	otal Physic	al Checks:	1						
T	otal Check	Stubs:	4						

Direct Deposit \$86,703.60
Physical Check Amount \$38,473.83
TOTAL \$125,177.43

503FN Check Register

01/31/2024 11:49	AM	CHECK REGISTER FOR GENOA TOWNSHIP	Page: 1/1
User: denise DB: Genoa Townsh	ip	CHECK NUMBERS 6007 - 7000	
Check Date	Check	Vendor Name	Amount
Bank 503FN DPW-U	TILITIES #233		
01/18/2024	6007	PFEFFER, HANNIFORD, PALKA	1,000.00
01/18/2024	6008	TRUCK & TRAILER SPECIALTIES INC	262.05
01/19/2024	6009	HOME DEPOT CREDIT SERVICES	670.22
01/19/2024	6010	VERIZON WIRELESS	689.79
01/22/2024	6011	CHASE CARD SERVICES	4,533.84
01/22/2024 01/22/2024	6012 6013	GENOA TWP GENERAL FUND GENOA TWP/MHOG UTILITIES	400,000.00 51,761.43
503FN TOTALS:		2-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	_
Total of 7 Check	s:		458.917.33
Less 0 Void Chec			0.00
Total of 7 Disbu	rsements:		458,917.33
592FN Check Regi	ister		
01/31/2024 11:52	AM	CHECK REGISTER FOR GENOA TOWNSHIP	Page: 1/1
User: denise DB: Genoa Townsh	ip	CHECK NUMBERS 6020 - 7000	
Check Date	Check	Vendor Name	Amount
Bank 592FN OAK P	OINTE OPERATING	FUND #592	
01/22/2024	6020	AT&T	182.24
01/22/2024	6021	BRIGHTON ANALYTICAL LLC	220.00
01/22/2024	6022	CONSUMERS ENERGY	778.10
01/22/2024	6023	LIEDEL EXCAVATING CONTRACTORS LLC	3,500.00
01/22/2024	6024	UIS SCADA	760.00
01/24/2024	6025	AT&T LONG DISTANCE	87.34
01/24/2024 01/24/2024	6026 6027	GENOA TOWNSHIP DPW FUND GENOA TOWNSHIP DPW FUND	21.86 679.11
592FN TOTALS:			-
Total of 8 Check	s:		6,228,65
Less 0 Void Chec			0.00
Total of 8 Disbu	rsements:		6,228.65
93FN Check Regi			
01/31/2024 11:53 User: denise	Art	CHECK REGISTER FOR GENOA TOWNSHIP	Page: 1/1
DB: Genoa Townsh	ip	CHECK NUMBERS 4394 - 5000	
Check Date	Check	Vendor Name	Amount
Bank 593FN LAKE	EDGEWOOD OPERATI	NG FUND #590	- 19.0 2753
	1041		26.50
01/19/2024	4394	CONSUMERS ENERGY	16.00
01/19/2024 01/24/2024	4395 4396	TETRA TECH INC GENOA TOWNSHIP DPW FUND	8,410.00 901.39
593FN TOTALS:			332.03
Total of 3 Check	si		9,327.39
Less 0 Void Chec	ks:		0.00
Total of 3 Disbu	rsements:		9,327.39



Manage your account online at : www.chase.com/cardhelp



Mobile: Download the Chase Mobile® app today



New Balance

\$45.00

\$4,533.84 Minimum Payment Due

Payment Due Date 02/01/24

Customer Servi 1-800-945-2028

INK CASH(SM) POINT SUMMARY Previous points balance 38.725 + 1 Point per \$1 earned on all purchases 4,534 + 2Pts/\$1 gas stns, rstnts, ofo eply, hm impr 280

Total points available for redemption 43,539

> ALL SUS - 233-000-084-90 UTILITY'

JAN 18 2024

RECEIVED

ACCOUNT SUMMARY

a payment. To enroll, go to www.chase.com

Account Number:	
Previous Balance	\$1,925.12
Payment, Credits	-\$2,005.31
Purchases	+\$4,614.03
Cash Advances	\$0.00
Balance Transfers	\$0.00
Fees Charged	\$0.00
Interest Charged	\$0.00
New Balance	\$4,533.84
Opening/Closing Date	12/08/23 - 01/07/24
Credit Limit	\$45,500
Available Credit	\$40,966
Cash Access Line	\$2,275
Available for Cash	\$2,275
Past Due Amount	\$0.00
Balance over the Credit Limit	\$0.00

Late Payment Warning: If we do not receive your minimum payment by the due date, you may have to pay a late fee, and existing and new balances may become subject to the Default APR.

Minimum Payment Warning: Enroll in Auto-Pay and avoid missing

MA DA 27566

00710000010452756601



WILMINGTON, DE 19850-5123 For Undeliverable Mail Only

27566 BEX Z 724 C

GREG TATARA MHOG SEWER & WATER AUTH 2911 DORR RD BRIGHTON MI 48116-9436

Make your payment at chase.com/paycard

Payment Due Date: New Balance: Minimum Payment Due:

02/01/24 \$4,533.84 \$45.00

Account number:

Make/Mall to Chase Card Services at the address below:

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CAROL STREAM IL 60197-6294

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ACCOUNT ACTIVITY

Date of Transaction	Merchant Name or Transaction Description	\$ Amount
12/14	JIMMY JOHNS - 2175 - ECOM 810-348-0059 MI DP VI Training	41.28
12/15	THE UPS STORE 3239 517-5529630 MI	35.82
12/19	MUNICIPAL WASTEWATER 517-8811371 MI DPW CLTA	96.90 🗸
12/19	STAPLES 00107730 BRIGHTON MI	98.53
12/21	PAYPAL STORE SOYWN 13767012718 DPW Clothing JAMES AULETTE TRANSACTIONS THIS CYCLE (CARD) \$321.71	49.18
12/17	Payment ThankYou Image Check	-1,925.12
12/10	GoToCom*GoToConnect goto.com MA hoca	249.66
12/13	AMZN Mktp US*BH9PF4BK3 Amzn.com/bill WA	699.29
12/27	AED SUPERSTORE 8005440048 WI 313 CO	771.00
01/02	MICHIGAN TOWNSHIPS ASS LANSING MI DPW	85.00
01/04	RINGCENTRAL INC. 888-898-4591 CA GREG TATARA TRANSACTIONS THIS CYCLE (CARD) \$54.04- INCLUDING PAYMENTS RECEIVED	66.13 ~
12/29	AMZN Mktp US*NF4NG4QC3 Amzn.com/bill WA DPN truck	13.99
12/29	RALEY BROTHERS GRAND RAPIDS MI WAS	360.00
01/03	RALEY BROTHERS GRAND RAPIDS MI WAS TO THE STATE OF THE ST	360.00
01/04	A & L PARTS PLUS 616-5889055 MI Mhog	84.65
	ALEX CHIMPOURAS TRANSACTIONS THIS CYCLE (CARD.) \$818.64	
12/11	AMZN Mktp US Amzn.com/bill WA 101-2-61-750 000	-80.19
12/07	AMZN Mktp US*088P15Y43 Amzn.com/bill WA 101 261-750 -000	89.00
12/07	APPRAISAL INSTITUTE 312-335-4100 IL 101-257 - 410 - 000	250.00
12/11	Artventures Framing Brighton MI 101-265-955-000	366.23
12/17	AMZN Mktp US*PZ80F3RC3 Amzn.com/bill WA 101- 261-751-000	20.99
12/19	MICHIGAN TOWNSHIPS ASS LANSING MI	255.00
12/20	AMERICAN PLANNING A 312-431-9100 IL 101-172 - 910 - 000	51.29
12/22	MACEO Warren MI 101-701-910-000	75.00
12/22 Dhacks	MICHIGAN TOWNSHIPS ASS LANSING MI 101-101 910-000	85.00
01/03	COUNTRY LANE FLOWERS 517-5461111 MI 101 - 261 - 750 -000	117.95
01/05	MICHIGAN ASSESSORS ASSOCI 888-8916064 MI 101 257 918 - 000	97.38
01/05	MICHIGAN ASSESSORS ASSOCI 888-8916064 MI 10 25 7 910 - 000	97,38
01/05	MICHIGAN ASSESSORS ASSOCI 888-8916064 MI 107 - 257 - 970 - 000 KELLY VANMARTER	97.38

	2024	Totals	Year-to-Date
Total fees char	ged in	2024	

TRANSACTIONS THIS CYCLE (CARD) \$1522.41

\$0.00 Total interest charged in 2024 \$0.00 Year-to-date totals do not reflect any fee or interest refunds

you may have received.

101-171 910-000 / 85.00 BH 101-172-910-000

85.00 Kelly 101-101-910-000

85.00

Crott.

INTEREST CHARGES

Your Annual Percentage Rate (APR) Is the annual interest rate on your account.

Balance Type	Percentage Rate (APR)	Subject To Interest Rate	Interest Charges
PURCHASES			
Purchases	18.49%(v)(d)	- 0 -	- 0 -
CASH ADVANCES			
Cash Advances	29.99%(v)(d)	- 0 -	- 0 -
BALANCE TRANSFERS			
Balance Transfers	18.49%(v)(d)	- 0 -	- 0 - 31 Da <mark>y</mark> s in Billing Period

(v) = Variable Rate (d) = Daily Balance Method (including new transactions)

(a) = Average Daily Balance Method (including new transactions)

Please see Information About Your Account section for the Calculation of Balance Subject to Interest Rate, Annual Renewal Notice, How to Avoid Interest on Purchases, and other important information, as applicable.

GREG TATARA 0000001 FIS33339 C 1 N Z 07 24/01/07 Page 2 of 2

Statement Date: 01/07/24

GENOA CHARTER TOWNSHIP BOARD Regular Meeting January 22, 2024

MINUTES

Supervisor Rogers called the regular meeting of the Genoa Charter Township Board to order at 6:30 pm at the Township Hall. The following members were present constituting a quorum for the transaction of business: Bill Rogers, Robin Hunt, Jean Ledford, Terry Croft, Diana Lowe, Paulette Skolarus and Jeff Dhaenens. Also present were Township Manager Kelly VanMarter, Township Attorney Joseph Seward and five people in the audience.

The Pledge of Allegiance was recited.

The call to the public was opened at 6:31 pm.

Ms. Melanie Johnson of 3990 Chilson spoke regarding the Brighton Equestrian Center. She wants to ensure that the parameters for the use recommended by the Planning Commission are addressed.

Ms. Jeanine lyer of 2396 Brighton Road stated that some of her friends have applied to be poll workers. Michigan Law requires the Board of Election Commissions shall appoint an equal number of members of each major political party at each precinct. The poll worker assignments, for early voting, and five of the nine early voting days are not compliant with the law. She has friends who are republicans who applied to be poll workers. Precinct 7 and the Absentee Voter Counter Board on election day is non-compliant and she requests that Item 5 this evening is not approved and the positions be more even between democrat and republican workers.

Ms. Peggy Hodgson at 5566 Cider Berry Drive has been friends with Polly Skolarus, the Township Clerk for 25 years. She is present to thank Ms. Skolarus for all of her work over the past 38 years. There are many positive things in this township that were done because of her, such as the purchase of the Herbst Farm, building of the Township Hall, accuracy at all elections, etc.

The call to the public was closed at 6:37 pm

Approval of Consent Agenda:

Moved by Lowe, supported by Hunt, to approve the Consent Agenda as presented. **The motion carried unanimously**.

- 1. Payment of Bills: January 22, 2024
- 2. Request to approve December 18, 2023 regular meeting minutes.

3. Request approval to enter into agreements to collect 2024 summer property taxes for the Brighton Area Schools, Hartland Consolidated Schools, Howell Public Schools, and the Livingston Educational Service Agency as submitted by the Township Treasurer.

Approval of Regular Agenda:

Moved by Ledford, supported by Croft, to approve the Regular Agenda as presented. **The** motion carried unanimously.

- 4. Consideration of a recommendation for approval of a special land use application, environmental impact assessment and site plan for a commercial stable located at 7318 Herbst Road, east of Hubert Road. The request is petitioned by Nancy Merlo, Brighton Equestrian Club.
 - A. Disposition of Special Use Application.
 - B. Disposition of Environmental Impact Assessment (dated 4-22-22)
 - C. Disposition of Site Plan (dated 10-31-23)

Ms. Kathy Riesterer, representing the applicant, provided a review of the proposed project, noting that the conditions of the original approval in 2022 have now been completed. The applicant will adhere to the limits of the types of events noted in the impact assessment.

Mr. Croft asked how many participants attend the events in the building. Ms. Riesterer stated they are limited to 99 people at events. He asked if the Brighton Area Fire Authority issues have been addressed. Ms. Riesterer stated they have a letter from the Fire Marshal stating they have no outstanding issues. He would like to have additional written approval from the Brighton Area Fire Authority provided to the township.

Mr. Dhaenens stated he was on the Planning Commission in 2022, and at that time there were issues with the applicant not being neighborly. He understands it is different now.

Ms. Hunt is concerned with the applicant complying with the restrictions. Ms. Lowe asked how it would be monitored. Ms. VanMater stated in many instances like this, the neighbors advise the Township and then Staff takes enforcement action.

Ms. Riesterer stated that Ms. Merlo has submitted an affidavit listing the restrictions of the east building of the property.

Moved by Lowe, supported by Dhaenens, to approve the Special Use Permit because it is found that the requested use meets the standards of Section 19.03 and 3.02.02(h) and is compatible with the goals of the Master Plan. The approval is conditioned upon the following:

- The restrictions on the type of events shall be included in the permit and they are to include both indoor and outdoor events.
- There is no non-equestrian use of commercial vehicles allowed on the site.

• A letter from the Brighton Area Fire Authority shall be provided to ensure compliance prior to issuance of the Special Land Use Permit.

The motion carried (Ledford - yes, Croft - no, Hunt - yes, Lowe - yes, Dhaenens - yes, Skolarus - yes, and Rogers - yes).

Moved by Dhaenens, supported by Lowe, to approve the Environmental Impact Assessment dated April 22, 2022 for 7318 Herbst Road with the condition that the title be corrected. **The motion carried unanimously.**

Moved by Hunt, supported by Dhaenens, to approve the site plan dated October 31, 2023 to allow for a commercial stable at 7318 Herbst Road, with the following conditions:

- The petitioner agrees that the operations of the spreading of manure be offset from the boundaries of the property 100 feet to diminish the potential negative impacts on adjacent property owners. The site plan shall be revised to show the 100' setback for manure management locations.
- Any comments within Tetra Tech's and the Brighton Area Fire Authority's letters shall be addressed.

The motion carried unanimously.

5. Request for approval of poll workers and per diems for the February 27, 2024 Presidential Primary as recommended by the Election Commission and submitted by the Township Clerk.

Ms. Skolarus noted that she talked to the resident who spoke at the call to the public this evening. She advised her that she needs one more republican and one more democrat worker. She lost six chair people for this election. There must be workers for the nine days of early voting. She did her best to have equal numbers of both parties at each precinct. She reviewed the spreadsheet that she provided to the Board this evening, which lists the poll workers at each precinct. She has confirmed with the Livingston County Clerk's office that it is allowable to have more of one party than another as long as there is at least one worker of the opposite party at a precinct.

Ms. Seward stated the minutes provided in the packet do not comply with the Open Meetings Act. He did not see them on the website and they were required to be there by last Friday.

Supervisor Rogers questioned the document that was included in the packet for this item. There are many errors, including the time of the meeting, the time it started, it says "Agenda" and not "Minutes", some of the motions do not have support or how each member voted on the motions, etc. He noted that there was an increase for poll worker wages approved at a previous meeting, and now additional increases are being requested. Ms. Skolarus stated that the previous wage request was for the early voting poll workers. Many workers do not want to work at the polls on

the day of the election any longer and they prefer to work the early voting polls, so she would like to increase the election day workers' wages.

Supervisor Rogers noted that Item #5 on the attached document does not have a support to the motion. This is the item that is being requested to be approved this evening. Ms. Lowe stated that she supported that motion. He also questioned what determines that a poll worker is experienced versus one who is not. Ms. Skolarus stated those are the workers who have worked in her office.

Ms. VanMarter stated she has a copy of a letter dated January 11 that went to the poll workers stating the rates that the township is paying for poll workers are the rates that are being requested to be approved this evening.

Ms. Skolarus stated that she will prepare the draft minutes correctly and return to the Board for approval of the wages. She suggested tabling this item this evening.

Moved by Skolarus, supported by Lowe, to table the approval of poll workers and per diems for the February 27, 2024 Presidential Primary as recommended by the Election Commission and submitted by the Township Clerk. **The motion carried unanimously.**

6. Request for review and consideration for approval of amendments to the Travel and Mileage Expenses Policy.

Ms. VanMarter reviewed the proposed changes to this policy.

Ms. Hunt questioned the reimbursement for the Clerk. The Planning Commissioners and ZBA members visit sites each month and they do not receive mileage reimbursement. Ms. Skolarus stated she agrees to have this removed. She will use the township's vehicle on election days.

Moved by Lowe, supported by Ledford, to approve amendments for the Travel and Mileage Expense Policy omitting the language regarding the exception for the Clerk on election day. **The motion carried unanimously.**

7. Request from AT&T for the Metro Act Right of Way Permit Extension to end December 31, 2028.

Moved by Hunt, supported by Lowe, to extend the AT&T Metro Act Right of Way Permit until December 31, 2028. **The motion carried unanimously.**

8. Request for consideration of a Proclamation in Appreciation and recognition of February 4th as Rosa Parks Transit Equity Day.

Moved by Hunt, supported by Dhaenens, to approve a Proclamation in Appreciation and Recognition of February 4th as Rosa Parks Transit Equity Day. **The motion carried unanimously.**

Correspondence

A memo was received from the Livingston County Road Commission advising that they will be funding the first brine application on dirt roads this year; however, the township should budget for three applications.

The 2023 Planning Commission Annual Report was included in the packet. Ms. Hunt suggested providing this to Staff so they can correctly answer questions from residents. Ms. VanMarter will also place it on the website.

Member Discussion

There were no items to discuss this evening.

<u>Adjournment</u>

Moved by Ledford, supported by Croft, to adjourn the meeting at 7:52 pm. **The motion carried unanimously.**

Respectfully Submitted,

Patty Thomas Recording Secretary

Approved: Paulette Skolarus, Clerk

Genoa Charter Township

Bill Rogers, Supervisor Genoa Charter Township

		2023-24 ACTIVITY	2023-24 AMENDED	2024-25 RECOMMENDED				
GL NUMBER	DESCRIPTION	THRU 01/31/24	BUDGET	BUDGET				
Fund 101 - GENERAL	FUND							
ESTIMATED REVENU	ESTIMATED REVENUES							
Dept 000 - REVENUE								
101-000-402-001	CURRENT REAL PROP TAX	635,512	1,200,000	1,220,000				
101-000-411-001	DELINQ TAX - PERSONAL & REAL	3,099	1,000	1,000				
101-000-434-002	TRAILER FEES	3,108	4,000	3,600				
101-000-448-001	COLLECT FEES/EXCESS OF ROLL	350,116	400,000	430,000				
101-000-448-002	COLLECTION FEE - SCHOOLS	24,573	25,000	25,000				
101-000-451-024	ADMIN FEE/UTILITY-OPERATING	29,680	59,359	59,359				
101-000-452-001	INTEREST-SPECIAL ASSESSMENTS	0	7,263	15,494				
101-000-476-001	CABLE FRANCHISE	278,981	410,000	390,000				
101-000-476-002	LICENSE & PERMITS	17,556	20,000	20,000				
101-000-567-001	CEMETERY REVENUE	1,200	800	400				
101-000-572-001	METRO ACT REVENUE	21,636	15,500	21,700				
101-000-573-001	LCSA-PPT REIMBURSEMENT	19,250	25,500	20,200				
101-000-574-002	STATE SHARED REVENUE	1,930,449	2,210,292	2,346,759				
101-000-608-000	CHARGES FOR SERV-APPL FEES	72,198	60,000	60,000				
101-000-609-000	CHARGES FOR SERVICES- FOIA/PRINTING	332	500	500				
101-000-626-032	ADM FEE LIQUOR LAW	1,803	3,500	3,790				
101-000-631-000	REFUSE COLLECTION FEES	40,884	1,270,000	1,348,457				
101-000-657-001	ORDINANCE FINES	900	1,000	1,500				
101-000-665-001	INTEREST	65,868	10,000	70,000				
101-000-671-000	OTHER REVENUE	6,763	1,000	1,000				
101-000-672-000	TAXES ON LAND TRANSFER	143,380	149,000	145,000				
101-000-682-000	ELECTION REIMBURSEMENTS	8,303	0	0				
101-000-698-202	TRANSFER IN - SAD RESIDUAL BALANCE	0	0	500				
101-000-699-249	MMRMA REIMBURSEMENT	11,327	10,000	10,000				
101-000-699-464	TRANSFER IN FROM ARPA FUND #464	0	0	266,683				
Totals for dept 000) - REVENUE	3,666,918	5,883,714	6,460,942				
TOTAL ESTIMATED	REVENUES	3,666,918	5,883,714	6,460,942				

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01/31/2024				
		2023-24	2023-24	2024-25
		ACTIVITY	AMENDED	RECOMMENDED
GL NUMBER	DESCRIPTION	THRU 01/31/24	BUDGET	BUDGET
APPROPRIATIONS				
Dept 101 - TOWNSH	HIP BOARD			
101-101-702-014	TRUSTEES/SECRETARY WAGES & SALARIES	28,834	37,575	40,000
101-101-861-000	TRUSTEES MILEAGE & TRAVEL EXPENSE	1,380	3,800	3,000
101-101-910-000	TRUSTEES PRO DEV/CONFERENCE/DUES	10,893	15,000	15,000
101-101-955-000	TRUSTEES MISCELLANEOUS	0	100	100
Totals for dept 10	1 - TOWNSHIP BOARD	41,107	56,475	58,100
Dept 171 - TOWNSH	IIP SUPERVISOR			
101-171-702-014	TWP SUPERVISOR SALARY	53,148	65,877	70,000
101-171-861-000	SUPERVISOR MILEAGE & TRAVEL EXPENSE	109	500	500
101-171-910-000	SUPERVISOR PRO DEV/CONFERENCE/DUES	85	1,000	500
101-171-955-000	SUPERVISOR MISCELLANEOUS	0	1,000	500
Totals for dept 17	1 - TOWNSHIP SUPERVISOR	53,342	68,377	71,500
Dept 172 - TOWNSH	IIP MANAGER			
101-172-702-014	TWP MANAGER SALARY	122,216	151,500	160,000
101-172-703-000	MANAGER DEPT WAGES & SALARIES	37,284	45,460	48,500
101-172-861-000	MANAGER DEPT MILEAGE & TRAVEL EXPENSE	0	1,000	1,000
101-172-910-000	MANAGER DEPT PRO DEV/CONFERENCE/DUES	2,105	4,000	4,000
101-172-955-000	MANAGER DEPT MISCELLANEOUS	0	1,000	1,000
Totals for dept 17	2 - TOWNSHIP MANAGER	161,605	202,960	214,500
Dept 191 - ACCOUN	TING & FINANCE			
101-191-703-000	ACCT DEPT WAGES & SALARIES	64,519	85,458	86,000
101-191-801-000	ACCOUNTING CONSULTANT (PHP)	16,903	30,000	30,000
101-191-801-001	FINANCIAL CONSULTING (PFM)	1,000	1,200	1,200
101-191-861-000	ACCT DEPT MILEAGE & TRAVEL EXPENSE	0	100	100
101-191-910-000	ACCT DEPT PRO DEV/CONFERENCE/DUES	0	500	100
101-191-955-000	ACCT DEPT MISCELLANEOUS	0	1,000	500
Totals for dept 19	1 - ACCOUNTING & FINANCE	82,422	118,258	117,900
Dept 215 - TOWNSH	HIP CLERK			
101-215-702-014	TWP CLERK SALARY	47,696	58,755	58,755
101-215-703-000	CLERKS DEPT WAGES & SALARIES	29,716	44,000	54,000
101-215-861-000	CLERKS DEPT MILEAGE & TRAVEL EXPENSE	0	200	200
101-215-910-000	CLERKS DEPT PRO DEV/CONFERENCE/DUES	46	100	100
101-215-955-000	CLERKS DEPT MISCELLANEOUS	0	100	100
	5 - TOWNSHIP CLERK	77,458	103,155	113,155
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ACTIVITY AMENDED RECOMMENDED	01/31/2024				
DEDIT CALL NUMBER DESCRIPTION THRU 01/31/24 BUDGET DEDIT DEDIT 223 - AUDIT			2023-24	2023-24	2024-25
Dept 223 - AUDIT			ACTIVITY	AMENDED	RECOMMENDED
101-223-801-000 AUDIT SERVICES (MANOR COSTERISAN) 27,400 30,900 34,000 Totals for dept 223 - AUDIT 27,400 30,900 34,000 34,000 Totals for dept 223 - AUDIT 27,400 30,900 34,000 Dept 228 - INFORMATION TECHNOLOGY	GL NUMBER	DESCRIPTION	THRU 01/31/24	BUDGET	BUDGET
Totals for dept 223 - AUDIT 27,400 30,900 34,000 Dept 228 - INFORMATION TECHNOLOGY 101-228-703-000 IT DEPT WAGES & SALARIES 61,240 77,000 81,000 101-228-861-000 IT DEPT MILELAGE & TRAVEL EXPENSE 0 500 500 101-228-910-000 IT DEPT PRO DEV/CONFERENCE/DUES 0 200 200 101-228-95-000 IT DEPT MISCELLANEOUS 0 1,000 500 Totals for dept 228 - INFORMATION TECHNOLOGY 61,240 78,700 82,200 Dept 247 - BOARD OF REVIEW 8 1,000 1,000 500 101-247-791-000 BO OF REV PUBLICATIONS 480 1,000 1,100 101-247-991-000 BO OF REV PUBLICATIONS 480 1,000 1,00 101-247-991-000 BO OF REV PRO DEV/CONFERENCE/DUES 0 100 100 101-247-991-000 BO OF REV MISCELLANEOUS 110 500 500 101-247-955-000 BO OF REV MISCELLANEOUS 110 500 500 101-247-956-000 REFUNDS & CHARGEBACKS 429 5,	Dept 223 - AUDIT				
Dept 228 - INFORMATION TECHNOLOGY	101-223-801-000	AUDIT SERVICES (MANOR COSTERISAN)	27,400	30,900	34,000
101-228-703-000	Totals for dept 22	3 - AUDIT	27,400	30,900	34,000
101-228-861-000	Dept 228 - INFORM	ATION TECHNOLOGY			
101-228-910-000	101-228-703-000	IT DEPT WAGES & SALARIES	61,240	77,000	81,000
101-228-955-000 IT DEPT MISCELLANEOUS 0 1,000 500 Totals for dept 228 - INFORMATION TECHNOLOGY 61,240 78,700 82,200	101-228-861-000	IT DEPT MILEAGE & TRAVEL EXPENSE	0	500	500
Dept 247 - BOARD OF REVIEW 101-247-702-014 BOARD OF REVIEW SALARIES 516 4,410 4,000 101-247-702-014 BOARD OF REVIEW SALARIES 516 4,410 4,000 101-247-791-000 BD OF REV PUBLICATIONS 480 1,000 1,100 101-247-861-000 BD OF REV MILEAGE & TRAVEL EXPENSE 0 100 100 100 101-247-910-000 BD OF REV MISCELLANEOUS 0 540 540 540 101-247-955-000 BD OF REV MISCELLANEOUS 110 500 500 101-247-964-000 REFUNDS & CHARGEBACKS 429 5,000 5,000 101-247-964-000 REFUNDS & CHARGEBACKS 429 5,000 5,000 101-253-702-014 TREASURER 101-253-702-014 TREASURER SALARY 53,422 65,918 69,000 101-253-703-000 TREASURERS DEPT MILEAGE & TRAVEL EXPENSE 362 1,000 750 101-253-910-000 TREASURERS DEPT MILEAGE & TRAVEL EXPENSE 362 1,000 750 101-253-910-000 TREASURERS DEPT MISCELLANEOUS 138,373 169,422 179,750 101-253-910-000 TREASURERS DEPT MISCELLANEOUS 0 1,000 500 Totals for dept 253 - TOWNSHIP TREASURER 138,373 169,422 179,750 101-257-702-014 ASSESSING SALARIES 199,746 253,458 266,000 101-257-702-014 ASSESSING SALARIES 199,746 253,458 266,000 101-257-703-000 ASSESSING SALARIES 199,746 253,458 266,000 101-257-703-000 ASSESSING MAGES & SALARIES INTERN 0 10,000 10,000 101-257-803-000 ASSESSING MILEAGE & TRAVEL EXPENSE 0 500 500 101-257-803-000 ASSESSING MILEAGE & TRAVEL EXPENSE 0 500 500 101-257-910-000 ASSESSING MILEAGE & TRAVEL EXPENSE 0 500 500 101-257-910-000 ASSESSING MILEAGE & TRAVEL EXPENSE 0 500 500 500 101-257-910-000 ASSESSING MILEAGE & TRAVEL EXPENSE 0 500 500 500 101-257-910-000 ASSESSING MILEAGE & TRAVEL EXPENSE 0 500 500 500 101-257-955-000 ASSESSING MISCELLANEOUS 40 1,000 500 101-257-955-000 ASSESSING MISCELLANEOUS 40 1,000 500 500 101-257-955-000 ASSESSING MISCELLANEOUS 40 1,000 500 101-257-955-000 ASSESSING MISCELLANEOUS 40 1,000 500 101-257-955-000 ASS	101-228-910-000	IT DEPT PRO DEV/CONFERENCE/DUES	0	200	200
Dept 247 - BOARD OF REVIEW 101-247-702-014 BOARD OF REVIEW SALARIES 516 4,410 4,000 101-247-791-000 BD OF REV PUBLICATIONS 480 1,000 1,100 101-247-861-000 BD OF REV PIBLICATIONS 0 540 540 101-247-9910-000 BD OF REV MILEAGE & TRAVEL EXPENSE 0 100 100 100 101-247-955-000 BD OF REV MISCELLANEOUS 110 500 500 500 101-247-964-000 REFUNDS & CHARGEBACKS 429 5,000 5,000 Totals for dept 247 - BOARD OF REVIEW 1,535 11,550 11,240 11,253-702-014 TREASURER 101-253-702-014 TREASURER SALARY 53,422 65,918 69,000 101-253-861-000 TREASURERS DEPT WAGES & SALARIES 84,406 101,004 109,000 101-253-910-000 TREASURERS DEPT MILEAGE & TRAVEL EXPENSE 362 1,000 750 101-253-910-000 TREASURERS DEPT MISCELLANEOUS 133 500 500 101-253-955-000 TREASURERS DEPT MISCELLANEOUS 0 1,000 500 101-257-955-000 TREASURERS DEPT MISCELLANEOUS 138,373 169,422 179,750 101-257-702-014 ASSESSING SALARIES 199,746 253,458 266,000 101-257-703-000 ASSESSING SALARIES 199,746 253,458 266,000 101-257-703-000 ASSESSING SALARIES 199,746 253,458 266,000 101-257-703-000 ASSESSING MAGES & SALARIES INTERN 0 10,000 10,000 101-257-803-000 ASSESSING MILEAGE & TRAVEL EXPENSE 0 5,000 5,000 101-257-861-000 ASSESSING MILEAGE & TRAVEL EXPENSE 0 5,000 5,000 101-257-861-000 ASSESSING MILEAGE & TRAVEL EXPENSE 0 5,000 5,000 101-257-910-000 ASSESSING MILEAGE & TRAVEL EXPENSE 0 5,000 5,000 101-257-910-000 ASSESSING MILEAGE & TRAVEL EXPENSE 0 5,000 5,000 101-257-910-000 ASSESSING MILEAGE & TRAVEL EXPENSE 0 5,000 5,000 101-257-910-000 ASSESSING MILEAGE & TRAVEL EXPENSE 0 5,000 5,000 101-257-955-000 ASSESSING MISCELLANEOUS 40 1,000 5,000 101-257-	101-228-955-000	IT DEPT MISCELLANEOUS	0	1,000	500
101-247-702-014 BOARD OF REVIEW SALARIES 516 4,410 4,000 101-247-791-000 BD OF REV PUBLICATIONS 480 1,000 1,100 101-247-861-000 BD OF REV MILEAGE & TRAVEL EXPENSE 0 100 100 101-247-910-000 BD OF REV PRO DEV/CONFERENCE/DUES 0 540 540 101-247-955-000 BD OF REV MISCELLANEOUS 110 500 500 101-247-964-000 REFUNDS & CHARGEBACKS 429 5,000 5,000 Totals for dept 247 - BOARD OF REVIEW 1,535 11,550 11,240 Dept 253 - TOWNSHIP TREASURER 101-253-702-014 TREASURERS BLARY 53,422 65,918 69,000 101-253-703-000 TREASURERS DEPT WAGES & SALARIES 84,406 101,004 109,000 101-253-910-000 TREASURERS DEPT MILEAGE & TRAVEL EXPENSE 362 1,000 750 101-253-955-000 TREASURERS DEPT MISCELLANEOUS 0 1,000 500 Totals for dept 253 - TOWNSHIP TREASURER 138,373 169,422 179,750 De	Totals for dept 22	8 - INFORMATION TECHNOLOGY	61,240	78,700	82,200
101-247-791-000 BD OF REV PUBLICATIONS 480 1,000 1,100 101-247-861-000 BD OF REV MILEAGE & TRAVEL EXPENSE 0 100 100 101-247-910-000 BD OF REV PRO DEV/CONFERENCE/DUES 0 540 540 101-247-955-000 BD OF REV MISCELLANEOUS 110 500 500 101-247-964-000 REFUNDS & CHARGEBACKS 429 5,000 5,000 Totals for dept 247 - BOARD OF REVIEW 1,535 11,550 11,240 Dept 253 - TOWNSHIP TREASURER 101-253-703-000 TREASURER SALARY 53,422 65,918 69,000 101-253-703-000 TREASURERS DEPT WAGES & SALARIES 84,406 101,004 109,000 101-253-861-000 TREASURERS DEPT MILEAGE & TRAVEL EXPENSE 362 1,000 750 101-253-910-000 TREASURERS DEPT PRO DEV/CONFERENCE/DUES 183 500 500 101-253-955-000 TREASURERS DEPT MISCELLANEOUS 0 1,000 500 101-257-703-000 ASSESSING WAGES & SALARIES INTERN 0 10,000 10,000 <t< td=""><td>Dept 247 - BOARD (</td><td>DF REVIEW</td><td></td><td></td><td></td></t<>	Dept 247 - BOARD (DF REVIEW			
101-247-861-000 BD OF REV MILEAGE & TRAVEL EXPENSE 0 100 100 101-247-910-000 BD OF REV PRO DEV/CONFERENCE/DUES 0 540 540 101-247-955-000 BD OF REV MISCELLANEOUS 110 500 500 101-247-964-000 REFUNDS & CHARGEBACKS 429 5,000 5,000 Totals for dept 247 - BOARD OF REVIEW 1,535 11,550 11,240 Dept 253 - TOWNSHIP TREASURER 101-253-702-014 TREASURER SALARY 53,422 65,918 69,000 101-253-703-000 TREASURERS DEPT WAGES & SALARIES 84,406 101,004 109,000 101-253-861-000 TREASURERS DEPT PMILEAGE & TRAVEL EXPENSE 362 1,000 750 101-253-910-000 TREASURERS DEPT PRO DEV/CONFERENCE/DUES 183 500 500 101-253-955-000 TREASURERS DEPT MISCELLANEOUS 0 1,000 500 Totals for dept 253 - TOWNSHIP TREASURER 138,373 169,422 179,750 Dept 257 - ASSESSING DEPARTMENT 101-257-703-000 ASSESSING WAGES & SALARIES INTERN <	101-247-702-014	BOARD OF REVIEW SALARIES	516	4,410	4,000
101-247-910-000 BD OF REV PRO DEV/CONFERENCE/DUES 0 540 540 101-247-955-000 BD OF REV MISCELLANEOUS 110 500 500 101-247-964-000 REFUNDS & CHARGEBACKS 429 5,000 5,000 Totals for dept 247 - BOARD OF REVIEW 1,535 11,550 11,240 Dept 253 - TOWNSHIP TREASURER 101-253-702-014 TREASURER SALARY 53,422 65,918 69,000 101-253-703-000 TREASURERS DEPT WAGES & SALARIES 84,406 101,004 109,000 101-253-861-000 TREASURERS DEPT MILEAGE & TRAVEL EXPENSE 362 1,000 750 101-253-910-000 TREASURERS DEPT PRO DEV/CONFERENCE/DUES 183 500 500 101-253-955-000 TREASURERS DEPT MISCELLANEOUS 0 1,000 500 Totals for dept 253 - TOWNSHIP TREASURER 138,373 169,422 179,750 Dept 257 - ASSESSING DEPARTMENT 101-257-703-000 ASSESSING SALARIES 199,746 253,458 266,000 101-257-703-000 ASSESSING WAGES & SALARIES INTERN	101-247-791-000	BD OF REV PUBLICATIONS	480	1,000	1,100
101-247-955-000 BD OF REV MISCELLANEOUS 110 500 500 101-247-964-000 REFUNDS & CHARGEBACKS 429 5,000 5,000 Totals for dept 247 - BOARD OF REVIEW 1,535 11,550 11,240 Dept 253 - TOWNSHIP TREASURER 101-253-702-014 TREASURER SALARY 53,422 65,918 69,000 101-253-703-000 TREASURERS DEPT WAGES & SALARIES 84,406 101,004 109,000 101-253-861-000 TREASURERS DEPT MILEAGE & TRAVEL EXPENSE 362 1,000 750 101-253-910-000 TREASURERS DEPT PRO DEV/CONFERENCE/DUES 183 500 500 101-253-955-000 TREASURERS DEPT MISCELLANEOUS 0 1,000 500 Totals for dept 253 - TOWNSHIP TREASURER 138,373 169,422 179,750 Dept 257 - ASSESSING DEPARTMENT 101-257-703-000 ASSESSING WAGES & SALARIES INTERN 0 10,000 10,000 101-257-803-000 ASSESSING WAGES & SALARIES INTERN 0 10,000 15,000 101-257-861-000 ASSESSING MILEAGE & TRAVEL EXPENSE 0 <t< td=""><td>101-247-861-000</td><td>BD OF REV MILEAGE & TRAVEL EXPENSE</td><td>0</td><td>100</td><td>100</td></t<>	101-247-861-000	BD OF REV MILEAGE & TRAVEL EXPENSE	0	100	100
101-247-964-000 REFUNDS & CHARGEBACKS 429 5,000 5,000 Totals for dept 247 - BOARD OF REVIEW 1,535 11,550 11,240 Dept 253 - TOWNSHIP TREASURER 101-253-702-014 TREASURER SALARY 53,422 65,918 69,000 101-253-703-000 TREASURERS DEPT WAGES & SALARIES 84,406 101,004 109,000 101-253-861-000 TREASURERS DEPT MILEAGE & TRAVEL EXPENSE 362 1,000 750 101-253-910-000 TREASURERS DEPT PRO DEV/CONFERENCE/DUES 183 500 500 101-253-955-000 TREASURERS DEPT MISCELLANEOUS 0 1,000 500 Totals for dept 253 - TOWNSHIP TREASURER 138,373 169,422 179,750 Dept 257 - ASSESSING DEPARTMENT 101-257-702-014 ASSESSING SALARIES 199,746 253,458 266,000 101-257-703-000 ASSESSING WAGES & SALARIES INTERN 0 10,000 10,000 101-257-803-000 ASSESSING EIGAL 650 15,000 15,000 101-257-861-000 ASSESSING MILEAGE & TRAVEL EXPENSE 0 500 500 </td <td>101-247-910-000</td> <td>BD OF REV PRO DEV/CONFERENCE/DUES</td> <td>0</td> <td>540</td> <td>540</td>	101-247-910-000	BD OF REV PRO DEV/CONFERENCE/DUES	0	540	540
Totals for dept 247 - BOARD OF REVIEW 1,535 11,550 11,240 Dept 253 - TOWNSHIP TREASURER 101-253-702-014 TREASURER SALARY 53,422 65,918 69,000 101-253-703-000 TREASURERS DEPT WAGES & SALARIES 84,406 101,004 109,000 101-253-861-000 TREASURERS DEPT MILEAGE & TRAVEL EXPENSE 362 1,000 750 101-253-910-000 TREASURERS DEPT PRO DEV/CONFERENCE/DUES 183 500 500 101-253-955-000 TREASURERS DEPT MISCELLANEOUS 0 1,000 500 Totals for dept 253 - TOWNSHIP TREASURER 138,373 169,422 179,750 Dept 257 - ASSESSING DEPARTMENT 101-257-702-014 ASSESSING SALARIES 199,746 253,458 266,000 101-257-703-000 ASSESSING WAGES & SALARIES INTERN 0 10,000 10,000 101-257-803-000 ASSESSING BEGAL 650 15,000 15,000 101-257-861-000 ASSESSING MILEAGE & TRAVEL EXPENSE 0 500 500 101-257-910-000 ASSESSING PRO DEV/CONFER/DUES/SUB 2,436 5,000 5,000	101-247-955-000	BD OF REV MISCELLANEOUS	110	500	500
Dept 253 - TOWNSHIP TREASURER 101-253-702-014 TREASURER SALARY 53,422 65,918 69,000 101-253-703-000 TREASURERS DEPT WAGES & SALARIES 84,406 101,004 109,000 101-253-861-000 TREASURERS DEPT MILEAGE & TRAVEL EXPENSE 362 1,000 750 101-253-910-000 TREASURERS DEPT PRO DEV/CONFERENCE/DUES 183 500 500 101-253-955-000 TREASURERS DEPT MISCELLANEOUS 0 1,000 500 Totals for dept 253 - TOWNSHIP TREASURER 138,373 169,422 179,750 179,75	101-247-964-000	REFUNDS & CHARGEBACKS	429	5,000	5,000
101-253-702-014 TREASURER SALARY 53,422 65,918 69,000 101-253-703-000 TREASURERS DEPT WAGES & SALARIES 84,406 101,004 109,000 101-253-861-000 TREASURERS DEPT MILEAGE & TRAVEL EXPENSE 362 1,000 750 101-253-910-000 TREASURERS DEPT PRO DEV/CONFERENCE/DUES 183 500 500 101-253-955-000 TREASURERS DEPT MISCELLANEOUS 0 1,000 500 Totals for dept 253 - TOWNSHIP TREASURER 138,373 169,422 179,750 Dept 257 - ASSESSING DEPARTMENT 101-257-702-014 ASSESSING SALARIES 199,746 253,458 266,000 101-257-703-000 ASSESSING WAGES & SALARIES INTERN 0 10,000 10,000 101-257-803-000 ASSESSING LEGAL 650 15,000 15,000 101-257-861-000 ASSESSING MILEAGE & TRAVEL EXPENSE 0 500 500 101-257-910-000 ASSESSING MISCELLANEOUS 40 1,000 500	Totals for dept 24	7 - BOARD OF REVIEW	1,535	11,550	11,240
101-253-703-000 TREASURERS DEPT WAGES & SALARIES 84,406 101,004 109,000 101-253-861-000 TREASURERS DEPT MILEAGE & TRAVEL EXPENSE 362 1,000 750 101-253-910-000 TREASURERS DEPT PRO DEV/CONFERENCE/DUES 183 500 500 101-253-955-000 TREASURERS DEPT MISCELLANEOUS 0 1,000 500 Totals for dept 253 - TOWNSHIP TREASURER 138,373 169,422 179,750 Dept 257 - ASSESSING DEPARTMENT 101-257-702-014 ASSESSING SALARIES 199,746 253,458 266,000 101-257-703-000 ASSESSING WAGES & SALARIES INTERN 0 10,000 10,000 101-257-803-000 ASSESSING LEGAL 650 15,000 15,000 101-257-861-000 ASSESSING MILEAGE & TRAVEL EXPENSE 0 500 500 101-257-910-000 ASSESSING PRO DEV/CONFER/DUES/SUB 2,436 5,000 5,000 101-257-955-000 ASSESSING MISCELLANEOUS 40 1,000 500	Dept 253 - TOWNSH	IIP TREASURER			
101-253-861-000 TREASURERS DEPT MILEAGE & TRAVEL EXPENSE 362 1,000 750 101-253-910-000 TREASURERS DEPT PRO DEV/CONFERENCE/DUES 183 500 500 101-253-955-000 TREASURERS DEPT MISCELLANEOUS 0 1,000 500 Totals for dept 253 - TOWNSHIP TREASURER 138,373 169,422 179,750 Dept 257 - ASSESSING DEPARTMENT 101-257-702-014 ASSESSING SALARIES 199,746 253,458 266,000 101-257-703-000 ASSESSING WAGES & SALARIES INTERN 0 10,000 10,000 101-257-803-000 ASSESSING LEGAL 650 15,000 15,000 101-257-861-000 ASSESSING MILEAGE & TRAVEL EXPENSE 0 500 500 101-257-910-000 ASSESSING PRO DEV/CONFER/DUES/SUB 2,436 5,000 5,000 101-257-955-000 ASSESSING MISCELLANEOUS 40 1,000 500	101-253-702-014	TREASURER SALARY	53,422	65,918	69,000
101-253-910-000 TREASURERS DEPT PRO DEV/CONFERENCE/DUES 183 500 500 101-253-955-000 TREASURERS DEPT MISCELLANEOUS 0 1,000 500 Totals for dept 253 - TOWNSHIP TREASURER 138,373 169,422 179,750 Dept 257 - ASSESSING DEPARTMENT 101-257-702-014 ASSESSING SALARIES 199,746 253,458 266,000 101-257-703-000 ASSESSING WAGES & SALARIES INTERN 0 10,000 10,000 101-257-803-000 ASSESSING LEGAL 650 15,000 15,000 101-257-861-000 ASSESSING MILEAGE & TRAVEL EXPENSE 0 500 500 101-257-910-000 ASSESSING PRO DEV/CONFER/DUES/SUB 2,436 5,000 5,000 101-257-955-000 ASSESSING MISCELLANEOUS 40 1,000 500	101-253-703-000	TREASURERS DEPT WAGES & SALARIES	84,406	101,004	109,000
101-253-955-000 TREASURERS DEPT MISCELLANEOUS 0 1,000 500 Totals for dept 253 - TOWNSHIP TREASURER 138,373 169,422 179,750 Dept 257 - ASSESSING DEPARTMENT 101-257-702-014 ASSESSING SALARIES 199,746 253,458 266,000 101-257-703-000 ASSESSING WAGES & SALARIES INTERN 0 10,000 10,000 101-257-803-000 ASSESSING LEGAL 650 15,000 15,000 101-257-861-000 ASSESSING MILEAGE & TRAVEL EXPENSE 0 500 500 101-257-910-000 ASSESSING PRO DEV/CONFER/DUES/SUB 2,436 5,000 5,000 101-257-955-000 ASSESSING MISCELLANEOUS 40 1,000 500	101-253-861-000	TREASURERS DEPT MILEAGE & TRAVEL EXPENSE	362	1,000	750
Totals for dept 253 - TOWNSHIP TREASURER 138,373 169,422 179,750 Dept 257 - ASSESSING DEPARTMENT 101-257-702-014 ASSESSING SALARIES 199,746 253,458 266,000 101-257-703-000 ASSESSING WAGES & SALARIES INTERN 0 10,000 10,000 101-257-803-000 ASSESSING LEGAL 650 15,000 15,000 101-257-861-000 ASSESSING MILEAGE & TRAVEL EXPENSE 0 500 500 101-257-910-000 ASSESSING PRO DEV/CONFER/DUES/SUB 2,436 5,000 5,000 101-257-955-000 ASSESSING MISCELLANEOUS 40 1,000 500	101-253-910-000	TREASURERS DEPT PRO DEV/CONFERENCE/DUES	183	500	500
Dept 257 - ASSESSING DEPARTMENT 101-257-702-014 ASSESSING SALARIES 199,746 253,458 266,000 101-257-703-000 ASSESSING WAGES & SALARIES INTERN 0 10,000 10,000 101-257-803-000 ASSESSING LEGAL 650 15,000 15,000 101-257-861-000 ASSESSING MILEAGE & TRAVEL EXPENSE 0 500 500 101-257-910-000 ASSESSING PRO DEV/CONFER/DUES/SUB 2,436 5,000 5,000 101-257-955-000 ASSESSING MISCELLANEOUS 40 1,000 500	101-253-955-000	TREASURERS DEPT MISCELLANEOUS	0	1,000	500
101-257-702-014 ASSESSING SALARIES 199,746 253,458 266,000 101-257-703-000 ASSESSING WAGES & SALARIES INTERN 0 10,000 10,000 101-257-803-000 ASSESSING LEGAL 650 15,000 15,000 101-257-861-000 ASSESSING MILEAGE & TRAVEL EXPENSE 0 500 500 101-257-910-000 ASSESSING PRO DEV/CONFER/DUES/SUB 2,436 5,000 5,000 101-257-955-000 ASSESSING MISCELLANEOUS 40 1,000 500	Totals for dept 25	3 - TOWNSHIP TREASURER	138,373	169,422	179,750
101-257-703-000 ASSESSING WAGES & SALARIES INTERN 0 10,000 10,000 101-257-803-000 ASSESSING LEGAL 650 15,000 15,000 101-257-861-000 ASSESSING MILEAGE & TRAVEL EXPENSE 0 500 500 101-257-910-000 ASSESSING PRO DEV/CONFER/DUES/SUB 2,436 5,000 5,000 101-257-955-000 ASSESSING MISCELLANEOUS 40 1,000 500	Dept 257 - ASSESSIN	IG DEPARTMENT			
101-257-803-000 ASSESSING LEGAL 650 15,000 15,000 101-257-861-000 ASSESSING MILEAGE & TRAVEL EXPENSE 0 500 500 101-257-910-000 ASSESSING PRO DEV/CONFER/DUES/SUB 2,436 5,000 5,000 101-257-955-000 ASSESSING MISCELLANEOUS 40 1,000 500	101-257-702-014	ASSESSING SALARIES	199,746	253,458	266,000
101-257-861-000 ASSESSING MILEAGE & TRAVEL EXPENSE 0 500 500 101-257-910-000 ASSESSING PRO DEV/CONFER/DUES/SUB 2,436 5,000 5,000 101-257-955-000 ASSESSING MISCELLANEOUS 40 1,000 500	101-257-703-000	ASSESSING WAGES & SALARIES INTERN	0	10,000	10,000
101-257-910-000 ASSESSING PRO DEV/CONFER/DUES/SUB 2,436 5,000 5,000 101-257-955-000 ASSESSING MISCELLANEOUS 40 1,000 500	101-257-803-000	ASSESSING LEGAL	650	15,000	
101-257-955-000 ASSESSING MISCELLANEOUS 40 1,000 500	101-257-861-000	ASSESSING MILEAGE & TRAVEL EXPENSE	0	500	500
101-257-955-000 ASSESSING MISCELLANEOUS 40 1,000 500	101-257-910-000	ASSESSING PRO DEV/CONFER/DUES/SUB	2,436	5,000	5,000
	101-257-955-000		40	1,000	500
	Totals for dept 25	7 - ASSESSING DEPARTMENT	202,872		297,000

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01/31/2024				
		2023-24	2023-24	2024-25
		ACTIVITY	AMENDED	RECOMMENDED
GL NUMBER	DESCRIPTION	THRU 01/31/24	BUDGET	BUDGET
D. J. 264 CENERAL	COMEDNIA AFAIT			
Dept 261 - GENERAL		0	2.000	2.000
101-261-703-000	UNALLOCATED WAGES & SALARIES	0	2,000	2,000
101-261-709-000	EMPLOYER'S SHARE SS & MEDICARE	64,828	110,000	110,000
101-261-709-001	CELLPHONE REIMBURSEMENT	2,491	4,000	5,800
101-261-709-002	WORKERS COMP	8,062	11,000	11,000
101-261-718-001	RETIREMENT	197,577	201,456	155,000
101-261-718-002	HEALTH/LIFE INSURANCE	238,091	225,000	320,000
101-261-718-003	WELLNESS	4,571	8,000	8,000
101-261-718-004	EHIM RESERVE	0	50,000	50,000
101-261-750-000	SUPPLIES	16,851	27,000	25,000
101-261-750-001	POSTAGE	16,010	33,000	30,000
101-261-751-000	EQUIP / SOFTWARE / SOFTWARE MAINTENANCE	91,276	200,000	200,000
101-261-752-000	WEBSITE MAINTENANCE	0	0	20,000
101-261-791-000	SUBSCRI/PUBLICATIONS/MEMBERS	8,551	6,000	6,000
101-261-802-000	CONTRACTUAL SERVICES / CONSULTING	5,880	35,000	10,000
101-261-802-001	TWP VEHICLE EXPENSES	506	2,000	2,000
101-261-861-000	UNALLOCATED MILEAGE & TRAVEL EXPENSE	0	100	100
101-261-941-000	CONTINGENCY	4,477	50,000	30,000
101-261-955-000	UNALLOCATED MISCELLANEOUS	1,266	1,000	3,000
Totals for dept 261	- GENERAL GOVERNMENT	660,437	965,556	987,900
•				
Dept 262 - ELECTIONS	5			
101-262-703-001	WAGES- PART TIME OFFICE WORKERS	18,983	50,000	50,000
101-262-703-002	SCANNERS, CHAIRPERSON & POLL WORKERS	10,410	45,000	60,000
101-262-703-004	TRAINING: \$45<4 HRS - \$90>4 HRS	0	5,000	4,000
101-262-703-005	WAGES - RECEIVING BOARD- \$200 PER DIEM	800	800	1,600
101-262-751-001	ELECTION OFFICE SUPPLIES/EQUIPMENT	13,163	15,000	15,000
101-262-791-000	ELECTION PUBLICATIONS	160	1,500	1,500
101-262-802-001	ELECTION MEETING FEES	1,050	1,500	1,000
101-262-802-002	BALLOT TESTING	1,881	10,000	13,000
101-262-802-003	LIVINGSTON COUNTY CLERK	0	9,000	9,000
101-262-802-004	CHURCH / SCHOOL CLEANUP/SETUP/ TAKE DOWI	1,730	5,425	2,500
101-262-802-005	ELECTION BREAKFAST / DINNER	167	1,700	1,700
101-262-861-001	ELECTION MILEAGE & TRAVEL	225	575	500
101-262-901-001	POSTAGE FOR APPLICATIONS	11,687	8,000	1,000
101-262-901-002	POSTAGE FOR MAILING BALLOTS	7,472	6,000	6,500
101-262-901-002	POSTAGE FOR MAILING NEW I.D. CARDS	1,519	200	200
101-262-955-000	ELECTION MISCELLANEOUS	1,319	1,500	1,500
Totals for dept 262	- ELECTIONS	69,291	161,200	169,000

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01,01,202		2023-24	2023-24	2024-25
		ACTIVITY	AMENDED	RECOMMENDED
GL NUMBER	DESCRIPTION	THRU 01/31/24	BUDGET	BUDGET
Dont 265 BUILDING	C & CDOLINIDS			
Dept 265 - BUILDING		FO 171	F4 F10	F2 000
101-265-740-000 101-265-802-000	INSURANCE - PROP LIAB/VEHICLE	50,171 0	54,510	53,000
101-265-850-000	BUILDING & GROUNDS CONTRACTUAL SERVICES	_	1,000 30,000	1,000
101-265-920-001	PHONE/INTERNT/CABLE/ALARM	21,220	•	30,000
	UTIL:ELECTRICITY & NAT.GAS	16,036	25,000	23,000
101-265-934-060	REPAIRS & MAINTENANCE	53,616	150,000	150,000
101-265-955-000	BUILDING & GROUNDS MISCELLANEOUS	0	5,000	5,000
lotals for dept 26	5 - BUILDING & GROUNDS	141,043	265,510	262,000
Dept 266 - LEGAL SE	RVICES			
101-266-803-000	GENERAL TOWNSHIP LEGAL FEES	17,157	75,000	50,000
101-266-803-001	LITIGATION LEGAL FEES	48,688	100,000	100,000
Totals for dept 26	6 - LEGAL SERVICES	65,845	175,000	150,000
Dept 270 - HUMAN	DESCHIDCES			
101-270-703-000		15,922	10 206	20 500
101-270-802-000	HR WAGES & SALARIES	15,922	19,286	20,500
101-270-861-000	HR CONTRACTUAL SERVICES	0	2,500 100	1,500 100
101-270-861-000	HR MILEAGE & TRAVEL EXPENSE	_	500	
	HR PRO DEV/CONFERENCE/DUES	0		500
101-270-955-000	HR MISCELLANEOUS	15.022	1,000	500
Totals for dept 27	0 - HUMAN RESOURCES	15,922	23,386	23,100
Dept 445 - DRAINS A	AT LARGE			
101-445-802-000	CONTRACTUAL SERVICES - LIVINGSTON COUNTY	0	30,000	25,000
Totals for dept 44	5 - DRAINS AT LARGE	0	30,000	25,000
Dept 521 - REFUSE (COLLECTION			
101-521-802-000	REFUSE CONTRACTUAL SERVICES	1,089,911	1,422,000	1,557,576
	1 - REFUSE COLLECTION	1,089,911	1,422,000	1,557,576
Dept 567 - CEMETER				
101-567-703-001	CEMETERY PURCHASE			
101-567-703-002	CEMETERY MAINTENANCE	6,095	10,000	8,000
Totals for dept 56	7 - CEMETERY	6,095	10,000	8,000

01/31/2024		2022.24	2022.24	2024.25
		2023-24	2023-24	2024-25
CL AULINADED	DESCRIPTION	ACTIVITY	AMENDED	RECOMMENDED
GL NUMBER	DESCRIPTION	THRU 01/31/24	BUDGET	BUDGET
Dept 701 - PLANNING	6 & ZONING			
101-701-702-014	PLANNING COMMISSION SALARIES	21,560	26,250	27,563
101-701-702-015	ZONING BOARD WAGES	9,707	15,750	16,538
101-701-703-000	PLANNING & ZONING WAGES & SALARIES	108,697	242,000	254,100
101-701-791-000	PLANNING & ZONING PUBLICATIONS	1,415	3,000	3,000
101-701-802-000	PLANNING & ZONING CONTRACTUAL SERVICES	21,803	50,000	50,000
101-701-861-000	PLANNING & ZONING MILEAGE & TRAVEL EXP	1,518	2,500	2,500
101-701-910-000	PLANNING & ZONING PRO DEV/CONFERENCE/DU	6,090	10,000	10,000
101-701-946-001	REVIEW SERVICES - PLANNING	35,095	35,000	35,000
101-701-946-002	REVIEW SERVICES - ENGINEERING	25,730	40,000	40,000
101-701-946-003	REVIEW SERVICES - PUBLICATIONS/POSTAGE	1,820	3,000	3,000
101-701-946-004	REVIEW SERVICES - ROUTING	1,051	2,000	2,000
101-701-946-005	REVIEW SERVICES - LEGAL/RECORDING FEES	6,745	10,000	10,000
101-701-955-000	PLANNING & ZONING MISCELLANEOUS	838	1,000	10,000
Totals for dept 701	- PLANNING & ZONING	242,069	440,500	463,701
Dept 728 - ECONOMI	C DEVELOPMENT			
101-728-880-000	COMMUNITY PROMOTION - CONTRIBUTION	23,283	26,960	23,284
Totals for dept 728	- ECONOMIC DEVELOPMENT	23,283	26,960	23,284
Dept 900 - CAPITAL C	OUTLAY FUNCTION			
101-900-970-000	CAPITAL OUTLAY > \$5,000	23,336	150,000	50,000
101-900-975-000	CAPITAL OUTLAY < \$5,000	2,120	15,000	10,000
Totals for dept 900	- CAPITAL OUTLAY FUNCTION	25,456	165,000	60,000
D . OCE TRANSFER	S OUT & OTHER FINANCING USES			
•	S OUT & OTHER FINANCING USES	425.000	050.000	050.000
	TRANSFER OUT- FUND #208 - PARKS & REC	425,000	850,000	850,000
101-965-995-249	TRANSFER OUT- FUND #249 - BLDG RESERVE	0	300,000	550,000
101-965-995-401	TRANSFER OUT- FUND #401 - ROAD IMPROVE	0	640,000	800,000
Totals for dept 965	- TRANSFERS OUT & OTHER FINANCING USES	425,000	1,790,000	2,200,000
TOTAL APPROPRIAT	IONS	3,611,706	6,599,867	7,108,906
NET OF REVENUES/A	 PPROPRIATIONS - FUND 101	55,212	(716,153)	(647,964)
BEGINNING FUND		3,588,259		
ENDING FUND BAL	ANCE	3,643,471	2,872,106	2,224,142
		• •	•	•

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01/31/2024				
		2023-24	2023-24	2024-25
		ACTIVITY	AMENDED	RECOMMENDED
GL NUMBER	DESCRIPTION	THRU 01/31/24	BUDGET	BUDGET
Fund 202 - SAD RC		,,		
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
ESTIMATED REVEN	JUES			
Dept 000 - REVEN				
202-000-452-001	INTEREST	69,742	15,000	45,000
Totals for dept (69,742	15,000	45,000
rotals for dept t	JOO - NEVENOL	09,742	13,000	43,000
Dept 448 - STREET	TICHTS			
202-448-628-005		26	725	705
	WHITE PINES LIGHTING -SAD PRINCIPAL	36	735	795
lotals for dept 2	148 - STREETLIGHTS	36	735	795
D 470				
Dept 470				
202-470-628-005	FENDT DR (W18-22) -SAD PRINCIPAL	0	87,485	0
Totals for dept 4	170 -	0	87,485	0
Dept 472				
202-472-628-005	RED OAKS (W13-22) -SAD PRINCIPAL	7,847	52,155	0
Totals for dept 4	172 -	7,847	52,155	0
Dept 478				
202-478-628-005	HOMESTEAD (S22-31) -SAD PRINCIPAL	294	14,967	13,986
202-478-665-001	HOMESTEAD (S22-31) -INTEREST	0	2,993	2,238
Totals for dept 4	178 -	294	17,960	16,224
•				
Dept 484				
202-484-628-005	EARL LAKE (W18-25) -SAD PRINCIPAL	710	18,803	18,803
Totals for dept 4		710	18,803	18,803
rotals for dept		7.10	20,000	10,000
Dept 485				
202-485-628-005	NOVEL ESTATES (W18-25) -SAD PRINCIPAL	0	10,964	10,964
Totals for dept 4		0	10,964	10,964
rotals for dept 2	103 -	U	10,904	10,904
Dept 487				
•	EDWIN DD (640 33), 640 DDINGDAI	252	2.554	0
202-487-628-005	EDWIN DR (S19-23) -SAD PRINCIPAL	253	3,554	0
Totals for dept 4	187 -	253	3,554	0
Dept 489				
202-489-628-005	BLACK OAKS (W21-30) -SAD PRINCIPAL	0	916	922
202-489-665-001	BLACK OAKS (W21-30) -INTEREST	0	165	129
Totals for dept 4	189 -	0	1,081	1,051

01/31/2024				
		2023-24	2023-24	2024-25
		ACTIVITY	AMENDED	RECOMMENDED
GL NUMBER	DESCRIPTION	THRU 01/31/24	BUDGET	BUDGET
Dept 490				
202-490-628-005	DARLENE DR (W21-30) -SAD PRINCIPAL	0	2,867	2,867
202-490-665-001	DARLENE DR (W21-30) -INTEREST	376	516	402
Totals for dept 490) -	376	3,383	3,269
Dept 491				
202-491-628-005	ELMHURST (S20-26) -SAD PRINCIPAL	0	7,612	7,612
202-491-665-001	ELMHURST (S20-26) -INTEREST	523	761	457
Totals for dept 491	l -	523	8,373	8,069
D = 1 402				
Dept 492 202-492-628-005	MCNAMARA (S23-32) -SAD PRINCIPAL	2,772	14,139	13,947
202-492-665-001	, ,	•		
	MCNAMARA (S23-32) -INTEREST	2 772	2,828	2,546
Totals for dept 492	2 -	2,772	16,967	16,493
Dept 494				
202-494-628-005	STILLRIVER (S23-32) -SAD PRINCIPAL	3,192	9,575	9,220
202-494-665-001	STILLRIVER (S23-32) -INTEREST	0	1,915	1,659
Totals for dept 494		3,192	11,490	10,879
		5,-5-	,	
Dept 495				
202-495-628-005	TIMBERVIEW PRIV (W23-32)-SAD PRINCIPLE	0	3,795	3,795
202-495-665-001	TIMBERVIEW PRIV (W23-32)-INTEREST	0	759	683
Totals for dept 495	5 -	0	4,554	4,478
Dept 496				
202-496-628-005	CRYSTAL VALLEY (S24-33) - SAD PRINCIPLE	14,760	0	36,900
202-496-665-001	CRYSTAL VALLEY (S24-33) - INTEREST	0	0	7,380
Totals for dept 496	5 -	14,760	0	44,280
Dept 570 - LAKE IMP	POVEMENTS			
202-570-628-005	LK CHEMUNG (W23-27) -SAD PRINCIPAL	3,028	46,300	48,222
) - LAKE IMPROVEMENTS	3,028	46,300	48,222
Totals for dept 570	J - LAKE IIVIPROVEIVIEINTS	3,026	46,300	40,222
Dept 571				
202-571-628-005	PARDEE LK (W21-25) -SAD PRINCIPAL	2,604	22,396	22,396
Totals for dept 571	L-	2,604	22,396	22,396
•		•	•	•
Dept 572				
202-572-628-005	GRAND BEACH (W21-25) -SAD PRINCIPAL	0	14,125	14,125
Totals for dept 572	2 -	0	14,125	14,125

01/31/2024				
		2023-24	2023-24	2024-25
		ACTIVITY	AMENDED	RECOMMENDED
GL NUMBER	DESCRIPTION	THRU 01/31/24	BUDGET	BUDGET
Dept 573				
202-573-628-005	E/W CROOKED LK (S23-27) -SAD PRINCIPAL	619	18,050	18,414
Totals for dept 573	} -	619	18,050	18,414
Dept 575				
202-575-628-005	BAETCKE LK (S23-27) -SAD PRINCIPAL	0	7,600	7,600
Totals for dept 575	; ; -	0	7,600	7,600
TOTAL ESTIMATED I	REVENUES	106,756	360,975	291,062
APPROPRIATIONS				
Dept 223 - AUDIT				
202-223-801-000	AUDIT	3,200	5,000	5,000
Totals for dept 223	B - AUDIT	3,200	5,000	5,000
·				
Dept 448 - STREETLIC	GHTS			
202-448-801-075	WHITE PINES LIGHTING -PROJECT EXPENSE	631	800	895
Totals for dept 448	3 - STREETLIGHTS	631	800	895
·				
Dept 478				
202-478-801-075	HOMESTEAD (S22-31) -PROJECT EXPENSE			
202-478-802-000	HOMESTEAD (S22-31) -ANNUAL MAINT. EXP	13,508	13,508	3,100
Totals for dept 478		13,508	13,508	3,100
·		,	ŕ	•
Dept 487				
202-487-801-075	EDWIN DR (S19-23) -PROJECT EXPENSE	4,255	1,500	4,700
Totals for dept 487		4,255	1,500	4,700
·		·		·
Dept 492				
202-492-801-075	MCNAMARA (S23-32) -PROJECT EXPENSE	192,685	192,685	0
Totals for dept 492		192,685	192,685	0
·		,	ŕ	
Dept 493				
202-493-801-075	PINE CREEK -ADMINISTRATIVE FEES	570	2,000	0
Totals for dept 493		570	2,000	0
•			,	
Dept 494				
202-494-801-075	STILLRIVER (S23-32) -PROJECT EXPENSE	121,548	127,000	0
Totals for dept 494		121,548	127,000	0
		,	,	-

01/31/2024	2023-24	2023-24	2024-25
	ACTIVITY	AMENDED	RECOMMENDED
GL NUMBER DESCRIPTION	THRU 01/31/24	BUDGET	BUDGET
Dept 496			
202-496-801-075 CRYSTAL VALLEY (S24-33) - PRO	JECT EXP 1,205	369,000	0
Totals for dept 496 -	1,205	369,000	0
Dept 570 - LAKE IMPROVEMENTS			
202-570-801-075 LK CHEMUNG (W23-27) -PROJE	CT EXPENSE 39,724	55,000	55,000
Totals for dept 570 - LAKE IMPROVEMENTS	39,724	55,000	55,000
Dept 571		20.000	22.700
202-571-801-075 PARDEE LK (W21-25) -PROJECT		30,000	22,700
Totals for dept 571 -	20,449	30,000	22,700
Dept 572			
202-572-801-075 GRAND BEACH (W21-25) -PROJE	ECT EXPENSE 12,849	11,000	13,508
Totals for dept 572 -	12,849	11,000	13,508
Dept 573			
202-573-801-075 E/W CROOKED LK (\$23-27) -PRC	DJECT EXPENSE 17,336	15,000	15,000
Totals for dept 573 -	17,336	15,000	15,000
Doub 575			
Dept 575 202-575-801-075 BAETCKE LK (\$23-27) -PROJECT	EXPENSE 7,000	7,000	7,000
Totals for dept 575 -	7,000	7,000	7,000
	,,,,,	,,,,,,	7,000
Dept 852 - TRANSFER TO OTHER FUNDS			
202-852-995-101 SAD INTEREST TRANSFER OUT T	O 101 0	7,263	8,000
Totals for dept 852 - TRANSFER TO OTHER FUND	S 0	7,263	8,000
Dept 906			
202-906-956-000 MISC EXPENSE	814	600	600
Totals for dept 906 -	814	600	600
TOTAL APPROPRIATIONS		837,356	125 502
TOTAL APPROPRIATIONS	435,774	837,336	135,503
NET OF REVENUES/APPROPRIATIONS - FUND 202	(329,018)	(476,381)	155,559
BEGINNING FUND BALANCE	2,792,450	2,792,450	2,316,069
ENDING FUND BALANCE	2,463,432		

01/31/2024				
		2023-24	2023-24	2024-25
CL NUMBER	DESCRIPTION	ACTIVITY	AMENDED	RECOMMENDED
GL NUMBER	DESCRIPTION	THRU 01/31/24	BUDGET	BUDGET
Fund 208 - PARK/RE	CREATION FUND			
ESTIMATED REVENU	ES			
Dept 000 - REVENUE				
208-000-434-001	FARM LEASE REVENUE	0	0	2,800
208-000-665-001	INTEREST	34,643	6,000	6,000
208-000-699-101	TRANSFER IN FROM GF #101 OPERATING	425,000	850,000	850,000
208-000-699-249	DNR ACQUISITION /MATCH	0	138,000	0
Totals for dept 00	0 - REVENUE	459,643	994,000	858,800
TOTAL ESTIMATED	REVENUES	459,643	994,000	858,800
APPROPRIATIONS				
Dept 223 - AUDIT				
208-223-801-000	AUDIT	300	500	500
Totals for dept 22		300	500	500
10tais 101 dept 22	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	300	300	300
Dept 536				
208-536-972-100	LAND FOR RECREATION	1,055,108	1,055,018	0
Totals for dept 53	6 -	1,055,108	1,055,018	0
Dept 751 - PARKS &	DECDEATION			
208-751-934-001	SENIOR SURVIVOR PARK PROJECT	814,000	814,000	0
208-751-934-006	PARK MASTER PLAN	6,828	30,000	30,000
208-751-934-007	HAPRA	121,125	120,000	124,500
208-751-934-007	B-BALL BENCHES PICNIC TABLE CHARGERS	6,790	19,200	124,300
208-751-934-010	BOARDWALK IMPROVEMENTS	0,730	15,200	30,000
208-751-934-011	GRAND RIVER SIDEWALK INFILL	0	31,000	31,000
208-751-934-012	SECURITY UPGRADES	0	50,000	50,000
208-751-934-015	REPAIR/REPLACE RUBBER- POUR IN PLACE	118,061	132,000	13,200
208-751-934-016	TWP PAVILION RESTROOM EXPANSION/ADDITION	0	132,000	200,000
208-751-934-017	NORTH SOCCER FIELD DRAINAGE REPAIR	0	0	60,000
208-751-934-018	PARKING EXPANSION/PICKLEBALL	0	0	500,000
208-751-934-019	WAYFINDING SIGNAGE	0	0	2,000
208-751-934-060	PATH / PARK MAINTENANCE	106,070	130,000	136,500
	1 - PARKS & RECREATION	1,172,874	1,341,200	1,177,200
rotals for dept 75	1 TARKS & RECREATION	1,172,074	1,541,200	1,177,200
Dept 906				
208-906-956-000	MISC EXPENSE	975	600	1,000
Totals for dept 90	6 -	975	600	1,000
TOTAL ADDDODDIA	TIONS	2 220 257	2 207 219	1 170 700
TOTAL APPROPRIA	TIONS	2,229,257	2,397,318	1,178,700
NET OF REVENUES/A	APPROPRIATIONS - FUND 208	(1,769,614)	(1,403,318)	(319,900)
BEGINNING FUND				656,417
ENDING FUND BA		290,121	656,417	
		•	,	,

CLANDARER	DESCRIPTION	2023-24 ACTIVITY	2023-24 AMENDED	2024-25 RECOMMENDED
GL NUMBER Fund 212 - LIQUOR L		THRU 01/31/24	BUDGET	BUDGET
ruliu 212 - Liquuk L	AW ENFORCEIVIENT			
ESTIMATED REVENU	ES			
Dept 000 - REVENUE				
212-000-574-001	STATE SHARED REV LIQUOR LAW	16,831	16,700	16,700
212-000-665-001	INTEREST	37	10	20
Totals for dept 000	O - REVENUE	16,868	16,710	16,720
TOTAL ESTIMATED	REVENUES	16,868	16,710	16,720
APPROPRIATIONS				
Dept 330 - LIQUOR L				
212-330-702-013	LIQUOR LAW ENF WAGES	4,668	9,336	9,336
212-330-709-009	EMPLOYER'S SHARE FICA	362	724	724
212-330-715-002	RETIREMENT	467	933	933
212-330-801-070	AUDITING EXPENSE	400	500	500
212-330-803-070	LIQUOR LAW ADM FEE/GENOA TWP.	1,803	3,605	3,605
212-330-860-070	VEHICLE EXPENSE	206	1,545	1,545
Totals for dept 330	0 - LIQUOR LAW ENFORCEMENT	7,906	16,643	16,643
TOTAL APPROPRIAT	TIONS	7,906	16,643	16,643
NET OF REVENUES/A	APPROPRIATIONS - FUND 212	8,962	67	 77
BEGINNING FUND	BALANCE	3,836	3,836	3,903
ENDING FUND BAI	LANCE	12,798	3,903	3,980

01/31/2024				
		2023-24	2023-24	2024-25
		ACTIVITY	AMENDED	RECOMMENDED
GL NUMBER	DESCRIPTION	THRU 01/31/24	BUDGET	BUDGET
Fund 249 - BUILDING	G AND GROUNDS FUND			
ESTIMATED REVENU				
Dept 000 - REVENUE				
249-000-665-001	INTEREST	1,141	90	1,440
249-000-699-000	OPERATING TRANSFER IN #101	0	300,000	550,000
Totals for dept 000	0 - REVENUE	1,141	300,090	551,440
TOTAL ESTIMATED	REVENUES	1,141	300,090	551,440
ADDDODDIATIONS				
APPROPRIATIONS	C C C C C C C C C C C C C C C C C C C			
Dept 265 - BUILDING		2	250	250
249-265-801-000	AUDIT	0	250	250
249-265-981-002	TWP HALL DR/PARKING LIGHT REPLACEMENT	3,945	10,000	0
249-265-981-007	ASPHALT REPLACE, REPAIRS & RESEALING	1,425	10,000	50,000
249-265-981-008	SECURITY UPGRADES	2,488	100,000	100,000
249-265-981-009	MISTER REPLACEMENT	0	15,000	0
249-265-981-012	TWP BOARD ROOM UPGRADES	0	0	50,000
249-265-981-013	TWP HALL CUBICLE/CARPET DESIGN	0	0	10,000
249-265-981-014	HERBST HOME OFFICE RENOVATION	0	0	400,000
249-265-981-015	WAYFINDING SIGNS	0	0	3,000
Totals for dept 26!	5 - BUILDING & GROUNDS	7,858	135,250	613,250
TOTAL APPROPRIAT	TIONS	7,858	135,250	613,250
NET OF REVENUES/A	APPROPRIATIONS - FUND 249	(6,717)	164,840	(61,810)
BEGINNING FUND	BALANCE	188,436	188,436	353,276
ENDING FUND BA	LANCE	181,719	353,276	291,466

01/31/2024				
		2023-24	2023-24	2024-25
		ACTIVITY	AMENDED	RECOMMENDED
GL NUMBER	DESCRIPTION	THRU 01/31/24	BUDGET	BUDGET
Fund 401 - ROAD IN	IPROVEMENT FUND			
ECTIN AATER DEVENU	150			
ESTIMATED REVENU				
Dept 000 - REVENUE		47.400		
401-000-665-001	INTEREST	17,439	6,000	22,800
401-000-699-000	OPERATING TRANSFER IN	0	640,000	800,000
Totals for dept 00	0 - REVENUE	17,439	646,000	822,800
TOTAL ESTIMATED	REVENUES	17,439	646,000	822,800
TOTAL ESTIMATED	NEVENOES	17,433	040,000	022,000
APPROPRIATIONS				
Dept 223 - AUDIT				
401-223-801-000	AUDIT	400	500	500
Totals for dept 22	3 - AUDIT	400	500	500
Dept 446 - ROAD PR	OIFCTS			
401-446-804-000	DUST CONTROL/CHLORIDE	89,204	90,000	95,000
401-446-812-001	CHILSON RD - HAMBURG TO BRIGHTON	299,409	320,000	0
401-446-812-002	KELLOGG - LIMESTONE G.C. TO MCCLEMENS	0	0	125,000
401-446-812-003	KELLOGG - GRAVEL G.R. TO MCCLEMENS	0	0	105,000
401-446-812-004	EULER GRAVEL	0	0	90,000
401-446-812-005	MCCLEMENS LIMESTONE	0	0	127,000
401-446-812-006	CHALLIS/BAUER ROUNDABOUT	0	0	500,000
401-446-812-007	CHILSON ROAD-BECK TO GRAND RIVER	0	0	600,000
	6 - ROAD PROJECTS	388,613	410,000	1,642,000
		323,722	,	_,; :_,; :
Dept 906				
401-906-956-000	MISC EXPENSE	450	600	600
Totals for dept 90	6 -	450	600	600
TOTAL APPROPRIA	TIONS	389,463	411,100	1,643,100
NET OF REVENUES/	APPROPRIATIONS - FUND 401	(372,024)	234,900	(820,300)
BEGINNING FUND		722,024	722,024	956,924
ENDING FUND BA		350,000	956,924	136,624
21121113 1 0110 07		330,000	330,324	130,02-7

01/31/2024			
	2023-24	2023-24	2024-25
	ACTIVITY	AMENDED	RECOMMENDED
GL NUMBER DESCRIPTION	THRU 01/31/24	BUDGET	BUDGET
Fund 464 - GENOA TOWNSHIP ARPA			
ESTIMATED REVENUES			
Dept 000 - REVENUE			
464-000-665-001 INTEREST	27,097	8,250	1,000
Totals for dept 000 - REVENUE	27,097	8,250	1,000
TOTAL ESTIMATED REVENUES	27,097	8,250	1,000
APPROPRIATIONS			
Dept 261 - GENERAL GOVERNMENT			
464-261-803-001 LAKE EDGEWOOD CONSOLIDATION	0	631,621	0
Totals for dept 261 - GENERAL GOVERNMENT	0	631,621	0
Dept 262 - ELECTIONS			
464-262-803-000 ELECTION MACHINE	36,495	36,495	0
Totals for dept 262 - ELECTIONS	36,495	36,495	0
Dept 521 - REFUSE COLLECTION			
464-521-802-000 ADDITIONAL RECYCLING EXPENSES	0	0	224,000
Totals for dept 521 - REFUSE COLLECTION	0	<u>_</u>	224,000
	•		,,
Dept 900 - CAPITAL OUTLAY FUNCTION			
464-900-977-001 BROADBAND	0	0	112,500
Totals for dept 900 - CAPITAL OUTLAY FUNCTION	0	0	112,500
D			
Dept 906 464-906-956-000 MISC EXPENSE	450	300	600
464-906-956-000 MISC EXPENSE Totals for dept 906 -	450	300	600
Totals for dept 500 -	430	300	000
Dept 965 - TRANSFERS OUT & OTHER FINANCING USES			
464-965-995-101 TRANFER OUT - FUND #101 - GENERAL FUND	0	0	34,631
Totals for dept 965 - TRANSFERS OUT & OTHER FINANCING USES	0	0	34,631
TOTAL APPROPRIATIONS	36,945	668,416	371,731
	,	•	•
NET OF REVENUES/APPROPRIATIONS - FUND 464	(9,848)	(660,166)	(370,731)
BEGINNING FUND BALANCE	18,979	18,979	(641,187)
ENDING FUND BALANCE	9,131	(641,187)	(1,011,918)
Unearned Revenue(Money Received prior years	but not yet spent)		1,011,918.00
		Ending Balance	-

2024-2025 FISCAL YEAR BUDGET - ASSUMPTIONS AND SIGNIFICANT EXPENSES

FUND 101 GENERAL FUND

1/31/24 Red Text Reflects Changes in this Budget as compared to the November version of the draft budget.

General Assumptions:

Salary Increases for Elected and Appointed – generally assuming a 5% increase unless otherwise restricted.

Salary Increases for Township Employees – generally assuming a 5% increase. All salaries should be within their intended range due to the salary audit performed in 2022 and increases over the last several years. Due to this, we anticipate a 5% increase to salaries.

Notable Line Item Changes:

Dept. 000 - REVEN	IUE
101-000-452-001	The number of SAD projects increased which increases the amount of interest transferred to the general fund.
101-000-631-000	Increase of Collection Fees annually \$15.00 per home to reduce the gap of township expenses per home.
101-000-665-001	Increased Interest Rates are generating more revenue.
101-000-699-464	Revenue from ARPA for additional recycling expenses and interest earned to close our Fund 464.

Dept. 215 – Township Clerk

101-215-703-000	The Clerk's department wages and salaries. The 10% increase is to cover the additional time
	worked by the Deputy Clerk due to the elections in 2024.

Dept. 223 – Audit

101-223-801-000	Increase per contract in addition to Manor Costerisan submitting forms E65 and 5572 to	
	Treasury.	

Dept. 247 - Board of Review

101-247-702-014 Decrease on Board of Review Salaries as the prior year budget figure was not reached.

Dept. 261 – Unallocated General Government

All Department 261 Funds have been renamed as "General Government" to be consistent with the Uniform Chart of Account Activity Number Descriptions

101-261-718-001 Reduction of \$46,456 due to one-time payoff of former manager retirement liability.

Date: 1/31/24 Page **1** of **4**

2024-2025 FISCAL YEAR BUDGET - ASSUMPTIONS AND SIGNIFICANT EXPENSES

101-261-718-002	Increased \$95,000. When we configured this line for the budget 23/24 we used the wrong number of months as the date of activity at the time was 10/31/2022. We counted that as 10 months which is incorrect as with our year runs April to March, it was actually month 7.
101-261-750-000	Decreased supplies by \$2,000 due to less needed for office supplies and better pricing.
101-261-750-001	Decrease of Postage by \$3,000 as this was a new line item in 23/24 and was combined with supplies previously but not all funds spent.
101-261-752-000	New line item for 24/25 to update the Genoa Township Website.
101-261-802-000	Decreased Unallocated Contractual Services by \$25,000 due to unused 23/24 expenses. Most contractual services are department specific with their own GL Number.
101-261-941-000	Contingency was reduced \$20,000 due to unused funds in 23/24.
101-261-955-000	Unallocated Miscellaneous was increased \$2,000 due to additional bank fees due to higher interest rates on return.
Dept. 262 - Election	ons
101-262-703-002	Increase by \$15,000 for scanners, chairperson & poll worker wages
101-262-802-004	Decrease Church/School Setup and Take Down by \$2,925
101-262-901-001	Decrease postage for applications from \$8,000 to \$1,000
Dept. 266 – Legal	Services
101-266-803-000	General Township Legal Fees reduced by \$25,000 due to reduced activity this year
Dept. 445 – Drain	s at Large
101-445-802-000	Reduced Drains at Large by \$5,000
Dept. 567- Cemet	tery
101-567-703-002	Cemetery Maintenance reduced by \$2,000 due to 23/24 expenses.
Dept. 728 – Econo	omic Development
101-728-880-000	Reduced \$3,676 due to 23/24 expenses with no expectation of increase.
Dept. 900 - Capit	al Outlay
101-900-970-000	Reduced Capital Outlay> \$5,000 \$100,000 as funds were unused 23/24.
101-900-975-000	Reduced Capital Outlay<\$5,000 \$5,000 as funds were unused 23/24.

Date: 1/31/24 Page **2** of **4**

2024-2025 FISCAL YEAR BUDGET - ASSUMPTIONS AND SIGNIFICANT EXPENSES

Dept. 965 – Transfers Out		
101-965-995-249	Increased Transfer out by \$250,000 to Fund 249 – Building Reserve for: Asphalt	
	Replacement and Repairs, Planned Security Updates, Twp Cubicle and Carpet Design, Herbst	
	Home Office Renovation and Wayfinding Signs.	
101-965-995-401	Increase Transfer out by \$160,000 to Fund 401 – Road Improvement for: Challis/Bauer	
	Roundabout, and Chilson Road – Beck to Grand River.	

FUND 202 SAD ROADS AND LAKES

New Projected Road projects for 2024-2025: Crystal Valley Revenue

FUND 208 PARKS AND RECREATION		
208-000-434-001	Farming Revenue line item was added for income to farm the parkland south of Crooked Lake Road.	
208-751-934-011	Boardwalk Improvements increased \$15,000 to replace with composite existing wooden guard rails and hand rails along Brighton Road and Bauer Road pathway.	
208-751-934-011	Grand River Sidewalk Infill not completed in 23/24, moving project to 24/25.	
208-751-934-013	Security Upgrades not completed 23/24, moving project to 24/25.	
208-751-934-015	10% Retainer for Rubber Replacement Contract.	
208-751-934-016	NEW PROJECT - Township Pavilion Restroom Expansion/Addition.	
208-751-934-017	NEW PROJECT - North Soccer Field Drainage Repair	
208-751-934-018	NEW PROJECT - Parking Expansion/Pickleball.	
208-751-934-019	NEW PROJECT - Install and improve park wayfinding signage.	

	TOND 243 DOLLDING AND GROONDS FORD
249-000-699-000	Increase Transfer in from General Fund by \$250,000 to fund new projects
249-265-981-007	Increased \$40,000 Asphalt Replacement, Repairs & Resealing for the park/sled hill lot.
249-265-981-008	Security Updates for Building and Parking Lot Project \$100,000 not completed in 23/24.
249-265-981-012	NEW PROJECT - Township Board Room Upgrades Project for \$50,000 working with a designer to create a better layout.

FUND 249 BUILDING AND GROUNDS FUND

Date: 1/31/24 Page **3** of **4**

^{*}This report was first created in 2022 in response to a request by former Trustee Jim Mortensen. Trustee Mortensen served Genoa Township for over 27 years and he left an indelible legacy for financial accountability, professionalism and integrity in public service and this report has been named in his honor.

2024-2025 FISCAL YEAR BUDGET - ASSUMPTIONS AND SIGNIFICANT EXPENSES

249-265-981-013	NEW PROJECT - Township Hall Cubicle/Carpet Design \$10,000 working with a designer to create a better use of space for the Township Hall.
249-265-981-014	NEW PROJECT - Herbst Home Office Renovations \$400,000 to make repairs to the house for office use.
249-265-981-015	NEW PROJECT - Wayfinding Signs for \$3,000 directional signs to help residents identify where to go, park, and any further instructions.

FUND 401 ROAD IMPROVEMENT FUND

401-000-699-000	Increase transfer in by \$160,000 to fund Challis Road and Chilson Road Projects
401-446-812-006	Township contribution of \$500,000 to the Challis/Bauer Roundabout Project
401-446-812-007	Pavement Preservation Program Match of \$600,000 (50%) with the Road Commission to repaye Chilson Road from Beck Road to Grand River.

401-446-812-002 through 005 Adjust costs per Road Commission for gravel and limestone road projects

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	464	$\Lambda \nu$	$\boldsymbol{\nu}$
		HI	$r \rightarrow$

464-906-956-000	Broadband project not completed in 23/24, moving funds of \$112,500 to 24/25.
464-521-802-000	The FY 24/25 Budget will be the last ARPA fund contribution to weekly recycling service.
464-965-995-101	In order to close the ARPA fund 464, the remaining amount of \$42,683 will be transferred to the general fund as interest earned.

Date: 1/31/24 Page 4 of 4



2911 Dorr Road Brighton, MI 48116 810.227.5225 810.227.3420 fax genoa.org

MEMORANDUM

TO: Honorable Board of Trustees

FROM: Amy Ruthig, Planning Director

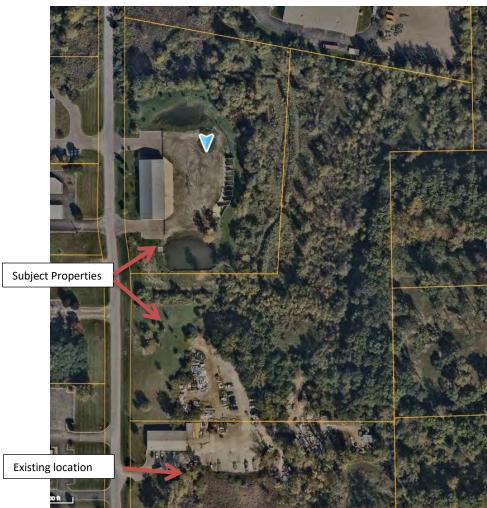
DATE: January 30, 2024

RE: Michigan Recreational Construction – 855 Victory Drive and vacant parcel

4711-05-303-026

Special Land Use, Site Plan and Impact Assessment

Please find attached the project case file for a proposed special land use permit, site plan and impact assessment for a contractor's yard with outdoor storage of equipment and machinery on a previously developed lot and an adjacent vacant parcel# 4711-05-303-026. The property is located at 855 Victory Drive and includes adjacent vacant parcel# 4711-05-303-026 on east side of Victory Drive, south of Grand River Avenue. The applicant is requesting approval to move his current business to the subject address. The existing business is located at 1091 Victory Drive. Applicant shall be aware that the existing site must be brought into previously approved site plan conformance. The property is zoned Industrial (IND).



SUPERVISOR

Bill Rogers

CLERK

Paulette A. Skolarus

TREASURER

Robin L. Hunt

TRUSTEES

Jean W. Ledford

Terry Croft

Diana Lowe

Jeff Dhaenens

MANAGER

Kelly VanMarter

Procedurally, the Planning Commission is to review the special land use, site plan and environmental impact assessment, and put forth recommendations to the Township Board following a public hearing. The project was heard before the Planning Commission on January 8th, 2024 and the Commission recommended approval. Based on the recommendation from the Planning Commission and conditions included by Township Staff (highlighted in yellow), I offer the following for your consideration: (please note: 855 Victory Drive has a consent order with the previous owner)

brive has a consent order with the previous owner)
SPECIAL USE PERMIT
Moved by, Supported by to APPROVE the Special Use Permit to allow for a contractor's yard with outdoor storage, wetland buffer encroachment and accessory fuel storage located at 855 Victory Drive and parcel #4711-05-303-026. It is found that the requested use meets the standards of Section 19.03, 13.07 and 8.02.02(b) with the following condition:
 Applicant must receive a variance from the Zoning Board of Appeals to allow for two 500-gallon fuel storage tanks. The two parcels must be combined into one parcel. ENVIRONMENTAL IMPACT ASSESSMENT
Moved by, Supported by to APPROVE the Environmental Impact Assessment dated 1-15-24 for a contractor's yard with outdoor storage located at 855 Victory Drive.
SITE PLAN
Moved by

- The two parcels must be combined into one parcel.
- The wetland crossing shall be approved by EGLE and approval shall be submitted to the Township prior to land use permit issuance.
- Applicant must receive a variance from the Zoning Board of Appeals to allow for two 500-gallon fuel storage tanks.

If you should have any questions, please feel free to contact me.

Best Regards,

Amy Ruthig Planning Director

Um Lithig



GENOA CHARTER TOWNSHIP Application for Site Plan Review

TO THE GENOA TOWNSHIP PLANNING COMMISSION AND TOWNSHIP BOARD:

al Construction, Inc. 1091 Victory Dr. Howell, MI 48843
om Property Owner is needed.
Construction, Inc. 1091 Victory Dr, Howell, MI 48843
PARCEL #(s): 11-05-303-025, 11-05-303-026
PARCEL #(s): 11-05-303-025, 11-05-303-026 ER PHONE: (313) 806-8406
Site is located at 855 Victory Drive as well
e south and east of 855 Victory Drive.
outdoor storage yard. Existing wetlands
rpose is to relocate the existing Michigan
tory Drive to 855 Victory Drive (with proposed
de additional paved parking as well as
space.
No buildings are proposed as part of this
g building at 855 Victory Drive and occupy
torage and parking.
AND DATA ATTACHED TO AND MADE CURATE TO THE BEST OF MY

Contact Information - Review Letters and Correspondence shall be forwarded to the following:			
L) Scott Tousignant	of Boss Engineering	at scottt@bosseng.com	
Name	Business Affiliation	E-mail Address	

FEE EXCEEDANCE AGREEMENT

As stated on the site plan review fee schedule, all site plans are allocated two (2) consultant reviews and one (1) Planning Commission meeting. If additional reviews or meetings are necessary, the applicant will be required to pay the actual incurred costs for the additional reviews. If applicable, additional review fee payment will be required concurrent with submittal to the Township Board. By signing below, applicant indicates agreement and full understanding of this policy.

SIGNATURE: DATE: 11/28/2023

PRINT NAME: Craig Sheffer PHONE: 313-806-8406

ADDRESS: 1091 Victory Drive, Howell, MI 48843



GENOA CHARTER TOWNSHIP Special Land Use Application

This application **must** be accompanied by a site plan review application and the associated submittal requirements. (The Zoning Official may allow a less detailed sketch plan for a change in use.)

12 the sensors Cities and B a sensor Cities and Cities	
APPLICANT NAME & ADDRESS: Michigan Recreation	onal Construction, Inc. 1091 Victory Dr, Howell, MI 48843
Submit a letter of Authorization from Property Owner	
APPLICANT PHONE: (313) 806-8406	EMAIL; craig@buildingfun.com
OWNER NAME & ADDRESS: Michigan Recreational Control	Construction, Inc. 1091 Victory Dr. Howell, MI 48843
SITE ADDRESS: 855 Victory Drive, Howell, MI 48843	PARCEL #(s): 11-05-303-025, 11-05-303-026
OWNER PHONE: (313) 806-8406	EMAIL: craig@buildingfun.com
Location and brief description of site and surrounding Site is located at 855 Victory Drive as well as includes the vacan	gs: nt 10+ ac parcel to the south and east of 855 Victory Drive. Site currently
has an unoccupied building with outdoor storage yard. Existin	g wetlands occupy large portion of vacant property.
Proposed Use: The purpose is to relocate the existing Michigan Recreational Construction open	eration from 1091 Victory Drive to 855 Victory Drive (with a proposed parcel combination
with the vacant 10 acre parcel to the south/east. The use will provide add	ditional paved parking as well as additional outdoor contractor storage yard space.
	nce General Review Standards (section 19.03): ecordance with the goals, objectives, and policies of the ea plans, and will promote the Statement of Purpose of the
The proposed use of the site is consistent with the originally intend	led use of 855 Victory Drive when it was initially proposed and constructed.
The proposed use is a relocation of an existing use from the p	property to the south at 1091 Victory Drive.
b. Describe how the use will be designed, constructe significantly alter, the existing or intended characters.	ed, operated, and maintained to be compatible with, and not ter of the general vicinity.
The proposed use will continue with the originally proposed use	of the 855 Victory Drive site and enhance it with the proposed corrective
improvements. Victory Drive contains multiple outdoor storage ya	ard uses, so this proposed use would be consistent with surrounding uses
and would not change the character of the general vicinity.	
	al public facilities and services such as highways, streets, ter and sewage facilities, refuse disposal and schools?

The site is adequately serviced by a public road (Victory Drive) with multiple site access points onto Victory Drive.

The proposed use is served by public sewer and private water. The water usage for this use is minimal. This use has no impact on schools. The current refuse collection service that serves 1091 Victory Drive would likely be retained for the 855 Victory Drive site.

d. Will the use involve any uses, activities, processes, or materials potentially detrimental to the natural environment, public health, safety, or welfare by reason of excessive production of traffic, noise, vibration, smoke, fumes, odors, glare, or other such nuisance? If so, how will the impacts be mitigated?

The proposed use will not generate excess traffic as this use is typically limited to employees and deliveries. The storage yard is used to store materials. Smoke, fumes, odors, vibration, and glare are not generated on this site. The site will generate noise consistent with contractor operations and is to meet the Township Noise Ordinance.

e. Does the use have specific criteria as listed in the Zoning Ordinance (sections 3.03.02, 7.02.02, & 8.02.02)? If so, describe how the criteria are met.

8.02.02 (b): 1) The lot area exceeds 1 acre. 2) Existing storage bins will be utilized for typical contractor material stockpiles. 3) A gravel surface is proposed with adequate

perimeter curbing to permanently define the storage area as well as promote positive storm drainage to the storm water facilities. 4) Parking lot setback is met. No storage within

building setback proposed. 5) A building exists on site > 500 sft. 6) Adequate site circulation provided. 7) Buffer zones provided. 8) Stored materials are lower profile.

I HEREBY CERTIFY THAT ALL INFORMATION AND DATA ATTACHED TO AND MADE PART OF THIS APPLICATION ARE TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE AND BELIEF. I AGREE TO DESIGN, CONSTRUCT AND OPERATE, AND MAINTAIN THESE PREMISES AND THE BUILDINGS, STRUCTURES, AND FACILITIES WHICH ARE GOVERNED BY THIS PERMIT IN ACCORDANCE WITH THE STATED REQUIREMENTS OF THE GENOA TOWNSHIP ZONING ORDINANCE, AND SUCH ADDITIONAL LIMITS AND SAFEGUARDS AS MAY BE MADE A PART OF THIS PERMIT.

THE UNDERSIGNED Craig Sheffer	STATES THAT THEY ARE THE
FREE OWNER OF THE PROPERTY OF PROPERTIES	DESCRIBED ABOVE AND MAKES
APPLICATION FOR THIS SPECIAL LAND USE PERI	MIT.
BY: CIRCLIPETATION	
ADDRESS: 1091 Victory Drive, Howell, MI 48843	

Contact Information -	Review Letters and Correspondence shall	l be forwarded to the following:
Scott Tousignant	of Boss Engineering	at scottt@bosseng.com
Name	Business Affiliation	Email

FEE EXCEEDANCE AGREEMENT

As stated on the site plan review fee schedule, all site plans are allocated two (2) consultant reviews and one (1) Planning Commission meeting. If additional reviews or meetings are necessary, the applicant will be required to pay the actual incurred costs for the additional reviews. If applicable, additional review fee payment will be required concurrent with submittal to the Township Board. By signing below, applicant indicates agreement and full understanding of this policy.

SIGNATURE:	CX	THESIDENT	DATE: 11/28/2023	
ACLUSION STORY				

PRINT NAME: Craig Sheffer PHONE: 313-806-8406

GENOA CHARTER TOWNSHIP PLANNING COMMISSION PUBLIC HEARING January 8, 2024

MINUTES

<u>CALL TO ORDER:</u> Vice Chairman Rauch called the meeting of the Genoa Charter Township Planning Commission to order at 6:30 p.m. Present were Eric Rauch, Tim Chouinard, Glynis McBain, Marianne McCreary, Greg Rassel and Jeff Dhaenens. Absent was Chris Grajek. Also present were Planning Director Amy Ruthig, Brian Borden of Safebuilt, and Shelby Byrne of Tetra Tech.

PLEDGE OF ALLEGIANCE: The pledge of allegiance was recited.

ELECTION OF OFFICERS:

Vice Chairman Rauch recommended tabling this item until the February 12 meeting when Chairman Grajek will be present. All Commissioners agreed. **Moved** by Commissioner McCreary, supported by Commissioner Rassel to table the Election of Officers until the February 12, 2024 Planning Commission meeting. **The motion carried unanimously.**

APPROVAL OF AGENDA:

Moved by Commissioner McCreary, seconded by Commissioner Chouinard, to approve the agenda as presented. **The motion carried unanimously**.

DECLARATION OF CONFLICT OF INTEREST:

None

CALL TO THE PUBLIC:

The call to the public was made at 6:32 pm with no response.

OLD BUSINESS:

OPEN PUBLIC HEARING #1... Consideration of a special use application, environmental impact assessment and site plan to allow for a contractor's yard with outdoor storage, wetland buffer encroachment and accessory fuel storage located at 855 Victory Drive, east side of Victory Drive, south of Grand River Avenue. The request is petitioned by Michigan Recreation Construction, Inc.

- A. Recommendation of Special Use Application
- B. Recommendation of Environmental Impact Assessment (12-19-23)
- C. Recommendation of Site Plan (12-19-23)

Mr. Scott Tousignant with Boss Engineering and Craig Sheffer, the owner of Michigan Recreational Construction, were present. Mr. Tousignant provided a review of the project. There will be two parcels combined to create one approximate 17-acre parcel. There is an existing building and material storage bins on the site. This project will add additional parking spaces and additional gravel storage. He showed the site plan, noting what will be used to screen the material storage. There are two encroachments into the natural features setback, one of which is a crossing of the wetland, and they will work with EGLE on obtaining approval. They will be seeking a variance for the additional fuel storage being requested.

Mr. Tousignant provided the reasons why they are proposing not to have an enclosure around their Dumpster. After a discussion, the Commissioners agreed that another enclosure was not required.

Mr. Borden reviewed his letter dated January 2, 2024.

- 1. Special Land Uses (Section 19.03):
- a. The special land use standards of Section 19.03 are generally met.
- b. In order to make favorable findings related to compatibility and impacts, the conditions of Section 8.02.02(b), 13.02 and 13.07 need to be met to the Commission's satisfaction.
- c. The applicant must address any comments provided by the Township Engineer or Brighton Area Fire Authority regarding public facilities and services.
- 2. Outdoor Storage (Section 8.02.02(b)):
- a. The use of gravel surfacing is allowed to be approved but requires a recommendation by the Township Engineer. Ms. Byrne stated that she has no concerns with the gravel driveway.
- 3. Wetland Protection (Section 13.02)
- a. There are three proposed encroachments into the 25-foot natural feature setback.
- b. The drive across the wetland that connects the two proposed outdoor storage areas requires approval from the State.
- 4. Fuel Storage (Section 13.07)
 - a. The project does not meet the capacity limitation, which is a three-hundred-gallon tank. He noted that the applicant will be seeking a variance; however, he suggested they install three each three-hundred-gallon tanks
 - b. The applicant must obtain all necessary permits.

5. Site Plan Review:

- a. The applicant may wish to incorporate some type of internal pedestrian walkway as opposed to having people walk 300 feet in the drive aisle. Mr. Tousignant stated because the pedestrians will be employees, they are familiar with the site, and they will all be entering and exiting at the same time.
- b. The applicant will coordinate refuse removal since the waste receptacle is behind a security gate.
- c. Waste receptacle/enclosure details are provided; however, the applicant would like to discuss the need for an enclosure given the nature of the project.

Ms. Byrne reviewed her letter dated January 4, 2024. This letter was not included in the packet and was presented to the commissioner's this evening.

- 1. Approval from the Brighton Area Fire Authority will be required prior to final site plan approval.
- 2. There is a proposed 20-foot gravel drive across the wetland. An EGLE wetland permit will be required and should be provided to the Township for their records.
- 3. The Livingston County Drain Commission (LCDC) has an unresolved permit with the subject property concerning the existing northern basin. Ms. Tousignant has discussed this with the LCDC and they are requiring documentation that the outstanding items will be addressed with this project.
- 4. She reiterated that she has no concerns with the proposed gravel parking lot.

The Commission discussed allowing the applicant to install three each three-hundred-gallon fuel tanks instead of the need to obtain a variance from the ZBA. Commissioner McBain suggested the ordinance limits the capacity to 300 for safety reasons. Commissioner McCreary noted that this variance could be considered to be self-created. The Commission agrees the Fire Marshal will need to review increasing the capacity limit.

The Brighton Area Fire Authority's letter dated December 26, 2024 states that the applicant has addressed all of his previous outstanding items.

The Livingston County Road Commissioner's letter dated January 4, 2024 states:

Before a commercial approach permit can be issued the following items need to be addressed:

- 1. A contractor needs to be selected and the selected contractor must submit a certificate of insurance to the LCRC with the following language: "The Board of Livingston County Road Commissioners, the Livingston County Road Commission, and their officers, agents, and employees are listed additional insured parties with respect to General Liability."
- 2. Victory Drive is classified as an All-Weather road, therefore the proposed pavement cross-section within the road right-of-way will need to match the cross section of Victory Drive. Please include a pavement cross section for the approach within the road right-of-way that consists of 2" 5E3 top HMA, 2" 5E3 leveling HMA, 4" 4E3 base HMA, 8" 21AA Aggregate, and 12" CL II Sand in the plan set. The revised plan set will need to be submitted electronically.

Mr. Tousignant stated they will address the LCDC's concerns.

The call to the public was made at 6:59 pm with no response.

Vice-Chairman Rauch noted a letter was received from Joseph Riccardi, the owner of San Marino Capital Partners, LLC at 970 Grand Oaks Drive. They are concerned with the increase of storage and the traffic that may transpire due to this special land use permit approval. They would like the Planning Commission to require buffers on the property line.

Mr. Tousignant stated there will not be an increase in traffic as they will have the same number of employees.

Commissioner McCreary questioned what vehicles and equipment would drive on the wetland crossing. Mr. Sheffer stated that semi-trucks would drive over that to deliver their playground equipment. Their trucks and equipment are not stored there.

She stressed to the applicant that what is being approved should be complied with. Mr. Sheffer stated they will comply with all requirements and will improve the site.

The Commissioners discussed the outstanding issues of the delineated walkway on the driveway, the wetland encroachments, the screening for the Dumpster, and the fuel storage.

Moved by Commissioner Dhaenens, supported by Commissioner Chouinard, to recommend to the Township Board approval of the Special Use Application to allow for a contractor's yard with outdoor storage, wetland buffer encroachment and accessory fuel storage located at 855 Victory Drive, east side of Victory Drive as this plan meets the standards of Sections 19.03, 13.02 and 13.07 of the Zoning Ordinance. **The motion carried (McCreary - no; Rassel - yes; Chounard - yes; McBain - yes; Dhaenens - yes; Rauch - yes).**

Moved by Commissioner Dhaenens, supported by Commissioner Rassel, to recommend to the Township Board approval of the Environmental Impact Assessment dated December 19, 2023 to allow for a contractor's yard with outdoor storage, wetland buffer encroachment and accessory fuel storage located at 855 Victory Drive, conditioned upon the requirements stated in the letters from the Township Engineer, Brighton Area Fire Authority, Livingston County Road Commission, and Livingston County Drain Commissioner. **The motion carried (McCreary - no; Rassel - yes; Chounard - yes; McBain - yes; Dhaenens - yes; Rauch - yes).**

Moved by Commissioner Dhaenens, supported by Commissioner Rassel, to recommend to the Township Board approval of the Site Plan dated December 19, 2023 to allow for a contractor's yard with outdoor storage, wetland buffer encroachment and accessory fuel storage located at 855 Victory Drive as the proposal is consistent with the Master Plan and the Future Land Use Map. with the following conditions:

- The removal of the dumpster enclosure is acceptable.
- The two properties must be combined.
- The wetland crossing shall be approved by EGLE.
- The encroachment into the wetland setback is acceptable to the Planning Commission
- The gravel parking lot is acceptable to the Planning Commission.
- The Planning Commission recommends approval of the fuel storage as submitted, subject to changes to the zoning ordinance or approval from the ZBA.

The motion carried unanimously.

San Marino Capital Partners, LLC. 140 Ice Den

January 8, 2024

Genoa Township 2911 Dorr Rd. Brighton, MI 48116

RE: Planning Commission Meeting January 8, 2024-855 Victory Dr.

To Whom it May Concern;

This letter is in response to the notice for the special use permit request at 855 Victory Dr. that we received. A representative from our place of business is unable to attend the meeting being held on January 8, 2024, but we do have a concern regarding the increase of storage and/or traffic that may transpire due to this special land use permit approval. We would like to request the townships consideration of the location of the storage and fuel tanks and the need for special attention to buffers at the property line so these requested items do not interfere with our green space and/or view. We appreciate your consideration in this matter and look forward to favorable decision.

Thank you,

Joseph Riccardi Member

Member



January 2, 2024

Planning Commission Genoa Township 2911 Dorr Road Brighton, Michigan 48116

Attention:	Amy Ruthig, Planning Director
Subject:	Michigan Recreational Construction – Special Land Use and Site Plan Review #2
Location:	855 Victory Drive – east side of Victory Drive, south of Grand River Avenue
Zoning:	IND Industrial District

Dear Commissioners:

At the Township's request, we have reviewed the revised submittal from Michigan Recreational Construction for relocation of their business from 1091 Victory Drive to 855 Victory Drive (site plan dated 12/19/23).

A. Summary

1. Special Land Uses (Section 19.03):

- a. The special land use standards of Section 19.03 are generally met.
- b. In order to make favorable findings related to compatibility and impacts, the conditions of Section 8.02.02(b), 13.02 and 13.07 need to be met to the Commission's satisfaction.
- c. The applicant must address any comments provided by the Township Engineer or Brighton Area Fire Authority regarding public facilities and services.

2. Outdoor Storage (Section 8.02.02(b)):

a. The use of gravel surfacing requires a recommendation by the Township Engineer.

3. Wetland Protection (Section 13.02)

- a. There is 1 existing and 3 proposed encroachments into the 25' natural feature setback.
- b. The drive across the wetland that connects the 2 proposed outdoor storage areas requires approval from the State.

4. Fuel Storage (Section 13.07)

- a. The project does not meet the capacity limitation.
- b. The applicant must obtain all necessary permits.

5. Site Plan Review:

- a. The applicant may wish to incorporate some form of internal pedestrian walkway as opposed to having people walk 300' in the drive aisle.
- b. The applicant will coordinate refuse removal since the waste receptacle is behind a security gate.
- c. Waste receptacle/enclosure details are provided; however, the applicant would like to discuss the need for an enclosure given the nature of the project.



Aerial view of site and surroundings (looking east)

B. Proposal/Process

The applicant proposes development of a contractor's yard with outdoor storage of equipment and machinery on the 16.27 acre site, which was previously developed (existing building, parking area, and gravel storage yard).

Table 8.02 allows contractors yards with outdoor storage with special land use approval in the IND. The request is also subject to the use conditions of Section 8.02.02(b).

Additionally, the project includes accessory fuel storage and an encroachment into the 25' natural feature setback, both of which require special land use approval.

Procedurally, the Planning Commission is to review the special land use, site plan, and Environmental Impact Assessment, and put forth recommendations to the Township Board following a public hearing.

C. Special Land Use Review

Section 19.03 of the Zoning Ordinance identifies the review criteria for Special Land Use applications as follows:

1. Master Plan. The Township Master Plan identifies the subject site as Industrial, which is intended for "industrial uses such as research, wholesale and warehouse activities, and light industrial operations."

The proposed use, which is light industrial in nature, is generally consistent with the Master Plan and Future Land Use Map.

2. Compatibility. Properties along Victory Drive are industrial in nature, including several businesses with outdoor storage.

The use conditions of Section 8.02.02(b), which include setback and screening requirements, are intended to help mitigate potential off-site impacts of the outdoor storage areas. Similarly, the conditions of Article 13 are intended to help mitigate potential impacts of the natural feature setback encroachment and fuel storage.

Provided these conditions are met to the Commission's satisfaction, the proposal is expected to be compatible with the existing and intended character of the area.

3. Public Facilities and Services. Given that the site fronts Victory Drive and was previously developed, we anticipate that necessary public facilities and services are in place.

Genoa Township Planning Commission **Michigan Recreational Construction** Special Land Use and Site Plan Review #2 Page 3

With that being said, the applicant must address any comments provided by the Township Engineer and/or Brighton Area Fire Authority related to this criterion.

4. Impacts. Similar to comments under criterion #2 above, the use conditions for contractor's yards with outdoor storage must be met to the Commission's satisfaction.

Similarly, the conditions of Section 13.02 (wetland protection) and 13.07 must be met to the Commission's satisfaction to ensure there are no adverse impacts upon the environment.

- **5. Mitigation.** If additional concerns arise as part of the review process, the Township may require additional efforts to mitigate potential adverse impacts.
- **D.** Conditions (Outdoor Storage)

Contractor's yards with outdoor storage are subject to the use requirements of Section 8.02.02(b), as follows:

1. Minimum lot area shall be one (1) acre.

The subject site contains a total of 16.27 acres. This standard is met, though the applicant will need to combine the 2 parcels as part of this project.

2. Any stockpiles of soils, fertilizer or similar loosely packaged materials shall be sufficiently covered or contained to prevent dust or blowing of materials.

The application form notes that "existing storage bins will be utilized for typical contractor material stockpiles."

3. All outdoor storage areas shall be paved with a permanent, durable and dustless surface and shall be graded and drained to dispose stormwater without negatively impact adjacent property. The Township Board, following a recommendation of the Planning Commission and the Township Engineer, may approve a gravel surface for all or part of the display or storage area for low intensity activities, upon a finding that neighboring properties and the environment will not be negatively impacted.

The existing and proposed outdoor storage areas are to be surfaced with gravel. The Commission should consider any comments from the Township Engineer regarding this aspect of the project.

4. No outdoor storage shall be permitted in any required yard (setback) of buildings for the district in which the outdoor display, sales or storage use is located. Any approved outdoor sales or display with a parking lot shall meet the required parking lot setback; provided the Planning Commission may require additional landscaping screening or ornamental fencing.

Each of the 3 outdoor storage areas meets or exceeds minimum IND setback requirements.

5. The site shall include a building of at least five hundred (500) feet of gross floor area for office use in conjunction with the use.

The site contains a 9,200 square foot building.

6. All loading and truck maneuvering shall be accommodated on-site.

Based on the proposed site plan, this standard is met.

Genoa Township Planning Commission **Michigan Recreational Construction** Special Land Use and Site Plan Review #2 Page 4

7. All outdoor storage area property lines adjacent to a residential district shall provide a buffer zone A as described in Section 12.02. A buffer zone B shall be provided on all other sides. The Planning Commission may approve a six (6) foot high screen wall or fence, or a four (4) foot high landscaped berm as an alternative.

The project includes a mix of existing plantings, proposed landscaping and screen fencing.

The north (existing) and south (proposed) outdoor storage areas will be screened by landscaping and fencing, while the southeast area (proposed) will be screened by existing plantings.

8. The height of all material and equipment stored in an outdoor storage area shall not exceed the height of any landscape screening, wall or fence. Boats and recreational vehicles may exceed the height of the fence provided that they are setback from the fence a distance equal to their height. Storage of materials up to the height of the adjacent building wall may be permitted in the rear yard if it is illustrated on the site plan, the rear yard does not abut a residential district or face an expressway, and such storage is confined to within twenty (20) feet of the building.

The application form notes that "stored materials are lower profile." The Impact Assessment provides more detail, identifying items such as company vehicles, small construction equipment, materials, and playground equipment.

The site plan identifies a mix of existing plantings, proposed landscaping and fencing around the outdoor storage areas.

The revised submittal notes that materials and equipment stored have a maximum height of 8 feet, while screening will be at least 8 feet tall.

E. Conditions (Wetland Protection)

Section 13.02.04 provides wetland protection standards, including a 25' natural feature setback from the edge of a regulated wetland.

The site plan identifies 4 areas of encroachment into the natural feature setback:

- An existing encroachment of approximately 5' for existing outdoor storage area;
- 2 proposed encroachments of approximately 5' each for stormwater management; and
- A proposed gravel drive across the wetland connecting the 2 southerly outdoor storage areas.

The first 2 bullet points may be allowed by the Planning Commission; however, the wetland crossing is subject to approval by the State. It is also worth noting that there is a Consent Judgement addressing the existing encroachment.

F. Conditions (Fuel Storage)

Accessory fuel storage is subject to the requirements of Section 13.07, as follows:

- **1. Above ground.** The project includes 2 500-gallon above ground tanks; however, the Ordinance allows a maximum capacity of 300 gallons. The applicant has stated that they will seek a variance from ZBA.
- **2. Below ground.** This standard does not apply to the request.
- **3. Secondary containment.** The revised submittal includes a detail of the fuel tanks, including secondary containment.

- **4. PIPP.** The revised submittal includes the required Pollution Incident Prevention Plan.
- **5. Permits.** The applicant must obtain all necessary permits.

G. Site Plan Review

1. **Dimensional Requirements.** Aside from the existing nonconforming building front setback, which is not altered by the proposal, the project complies with the dimensional requirements of the IND, as follows:

	Min. L	ot Req.	Minimum Yard Setbacks (feet)				Max. Lot	Max.
Area Width		Width	Front	Side Rear		Parking Lot	Coverage (%)	Height
	(acres)	(feet)	Yard	Yard	Yard			
IND	1	150	50 25		25 40		40% building	30'
	1	130	30	23 40		10 side/rear	85% impervious	2 stories
Proposal	16.27	1,040	47	355 (N)	575	50 front	1.3% building	Eviatina
	10.27	1,040	(existing)	515 (S)	3/3	105 side (S)	6.7% impervious	Existing

- 2. Building Design and Materials. The revised submittal includes a list of repair work for the existing building; however, there are no expansions or substantive changes to building design.
- 3. Pedestrian Circulation. No public sidewalk is provided along Victory Drive, nor is one required.

Given the nature of the use, internal sidewalks may not be necessary, though the southerly parking lot is more than 300' from the building.

As such, the applicant may wish to incorporate some form of internal pedestrian walkway as opposed to having people walk 300' in the drive aisle.

4. Vehicular Circulation. The site plan depicts 2 existing driveways along Victory Drive, both of which are generally aligned with drives across the street.

A 3rd driveway is proposed approximately 375' south of the existing southerly driveway. Given the site's frontage (more than 1,000'), Section 15.06.03 allows a 3rd driveway.

This drive is offset by approximately 150' from the existing drives across Victory Drive, which is sufficient for a 30 MPH road. We do not know the speed limit on Victory Drive, though ultimately driveway location and design are subject to approval by the Livingston County Road Commission.

The applicant must address any comments provided by the Township Engineer and/or the Brighton Area Fire Authority with respect to vehicular circulation.

5. Parking. Based on the number of employees at peak shift (50), the project requires 60 parking spaces. The site plan provides 64 spaces with additional spaces for company vehicles within the outdoor storage areas.

The design and dimensions of parking spaces and drive aisles, as well as the number of barrier-free spaces, comply with Ordinance standards.

6. Exterior Lighting. The lighting plan identifies 18 light poles and 7 wall mounted fixtures.

Based on the detail sheets provided, the proposed fixtures are downward direct LED, as required.

Pole heights and photometric readings (both on-site and along property lines) comply with Ordinance standards.

7. Landscaping. The landscape plan has been reviewed for compliance with the standards of Section 12.02, as follows:

Standard	Required	Proposed	Notes
Front yard	20' width	50' width	In compliance
greenbelt	26 canopy trees	40 trees (existing and proposed)	
	Hedge, wall or berm	Berm	
Parking lot	7 canopy trees	7 canopy trees	In compliance
	740 SF landscaped area	1,000+ SF landscaped area	_
Detention pond (S)	9 trees	9 trees	In compliance
	89 shrubs	89 shrubs	-
Detention pond (E)	4 trees	4 trees	In compliance
	32 shrubs	32 shrubs	_

8. Waste Receptacle. The proposed waste receptacle has been reviewed for compliance with the standards of Section 12.04, as follows:

	Requirement	Proposed	Comments
Location	Rear yard or non-required side yard	Rear yard (within northerly outdoor storage area)	Requirement met
Access	Clear access w/ out damaging buildings/vehicles	Access is behind a security gate	Applicant will coordinate access w/ refuse service
Base design	9' x 15' concrete pad	20' x 30' concrete pad	Requirement met
Enclosure	3-sided enclosure w/ gate Masonry walls 6' height/taller than receptacle	3-sided w/ gate Treated lumber 8'	Requirements met; applicant wishes to discuss removal of enclosure due to nature of project

Should you have any questions concerning this matter, please do not hesitate to contact our office.

Respectfully, **SAFEBUILT**

Brian V. Borden, AICP Michigan Planning Manager



January 4, 2024

Ms. Amy Ruthig Genoa Township 2911 Dorr Road Brighton, MI 48116

Re: Michigan Recreational Construction Site Plan Review No. 2

Dear Ms. Ruthig:

Tetra Tech conducted a second review of the proposed Michigan Recreational Construction site plan last dated December 19, 2023. The plan was prepared by Boss Engineering on behalf of Michigan Recreational Construction, Inc. The development is located on the east side of Victory Drive, approximately 1,600 feet south of East Grand River Avenue. The Petitioner is proposing to use the existing building on site and proposed improvements include additional parking lot and gravel storage area.

We offer the following comments for your consideration:

GENERAL

- 1. Approval from the Brighton Area Fire Authority will be required prior to final site plan approval.
- 2. There is a proposed 20-foot gravel drive across the wetland. An EGLE wetland permit will be required and should be provided to the Township for their records.
- 3. The Livingston County Drain Commission (LCDC) has an unresolved permit with the subject property concerning the existing northern basin. If the existing north basin has already been certified by an engineer, said certification should be provided to the LCDC so the existing permit can be closed out. If the existing basin has not been certified to match the original site plan, the Petitioner will need to resolve any outstanding requirements from the LCDC as part of the current proposed site plan.
- 4. The Genoa Township Zoning Ordinance requires that the parking lot be hard surface with concrete curb and gutter. However, the aggregate parking lot may be considered as a Low Impact Development alternative to the zoning requirements. Since the primary use of the proposed gravel lots is storage and the Petitioner is providing a concrete gravel containment curb, we have no objection to the use of gravel for the storage areas.

We recommend the petitioner address the above comments to the Township's satisfaction prior to approval. Please call or email if you have any questions.

Sincerely,

Project Engineer

BRIGHTON AREA FIRE AUTHORITY



615 W. Grand River Ave. Brighton, MI 48116 o: 810-229-6640 f: 810-229-1619

December 26, 2023

Amy Ruthig Genoa Township 2911 Dorr Road Brighton, MI 48116

RE: Michigan Recreational Construction, Inc.

855 Victory Drive Genoa Twp., MI

Dear Amy,

The Brighton Area Fire Department has reviewed the above-mentioned site plan. The plans were received for review on December 19, 2023, and the drawings are dated November 29, 2023 with latest revisions dated December 19, 2023. The project is based on the proposed installation of a new parking area between two parcels and two outside areas for materials storage. The project is utilizing an existing 9,200-square-foot building on a 5.85-acre parcel and an adjacent 10.42-acre parcel. The plan review is based on the requirements of the International Fire Code (IFC) 2021 edition.

It must be noted that the use of building located at the North end of the proposed project, but does not appear to be included in the scope of the submitted project; shall be reviewed by both the Livingston County Building Department and Brighton Area Fire Authority for compliant uses. The building SHALL NOT be used for vehicle repair of any sort as it was designed for vehicle storage only.

- 1. There is a 14-foot wide access drive shown crossing the wetland to the rear material storage. This drive must be widened to 20-feet for emergency access. (The access drive has been widened to 20 feet as required.)
- 2. Access through the access drives shall provide emergency vehicles with a turning radius of 50-feet outside and 30-feet inside. Vehicle circulation shall account for non-emergency traffic and maintain the vehicle within the boundary of lanes of travel. Provide emergency vehicle circulation through the new drive aisle area. (New vehicle circulation plan has been provided on Sheet 4 and is compliant with BAFA apparatus.)

IFC 503.2.4

3. A minimum vertical clearance of 13½ feet shall be maintained along the length of all apparatus access drives. This includes but is not limited to porte-cochere's, lighting, and large canopy trees. (Note provided on Sheet 4 to comply.)

IFC 503.2.1

4. The location of the reflected Knox Boxes on the access gates shall be replaced with Knox Padlocks secured to the chains in conjunction with the owner's lock. If the gate access is powered a Knox Key switch shall be installed to override the gate control. (Gates are noted to be provided with electronic controls that will integrate Knox key switches.)

IFC 506.1

Additional comments will be given during the building plan review process (specific to the building plans and occupancy). The applicant is reminded that the fire authority must review



BRIGHTON AREA FIRE AUTHORITY

December 26, 2023
Page 2
Michigan Recreational Construction, Inc.
855 Victory Drive
Site Plan Review

the fire protection systems submittals (sprinkler & alarm) prior to permit issuance by the Building Department and that the authority will also review the building plans for life safety requirements in conjunction with the Building Department.

If you have any questions about the comments on this plan review please contact me at 810-229-6640.

Cordially,

Rick Boisvert, CFPS Fire Marshal

Livingston County Road Commission

3535 Grand Oaks Drive • Howell, Michigan 48843-8575 Telephone: (517) 546-4250 • Facsimile: (517) 546-9628

Internet Address: www.livingstonroads.org

January 4, 2024

Scott Tousignant Boss Engineering 3121 E. Grand River Ave Howell, MI 48843

Re: Michigan Recreational Construction, Genoa Township, Section 5

LCRC# C-24-01

Dear Scott:

I have completed the review of the construction plans, dated December 19, 2023, for the above-referenced project and have determined the plans to be in substantial compliance with our commercial driveway approach specifications.

Before a commercial approach permit can be issued the following items need to be addressed:

- A contractor needs to be selected and the selected contractor must submit a
 certificate of insurance to the LCRC with the following language: "The Board of
 Livingston County Road Commissioners, the Livingston County Road Commission,
 and their officers, agents, and employees are listed additional insured parties with
 respects to General Liability."
- 2. Victory Drive is classified as an All-Weather road, therefore the proposed pavement cross-section within the road right-of-way will need to match the cross section of Victory Drive. Please include a pavement cross section for the approach within the road right-of-way that consists of 2" 5E3 top HMA, 2" 5E3 leveling HMA, 4" 4E3 base HMA, 8" 21AA Aggregate, and 12" CL II Sand in the plan set. The revised plan set will need to be submitted electronically.

If you have any questions, please do not hesitate to contact me.

Sincerely,

Kim Hiller, P.E.

Kun Hiller

Utilities and Permits Engineer

Cc: File

Amy Ruthig, Genoa Township (via email)

Ken Recker, LCDC (via email)

Craig Cheffer, Property Owner (via email)

IMPACT ASSESSMENT FOR SITE PLAN PETITION "MICHIGAN RECREATIONAL CONSTRUCTION, INC" GENOA TOWNSHIP, LIVINGSTON COUNTY MICHIGAN

Prepared for:

MICHIGAN RECREATIONAL CONSTRUCTION, INC 1091 VICTORY DRIVE HOWELL, MI 48843 (313) 806-8406

Prepared by:

BOSS ENGINEERING COMPANY 3121 E. GRAND RIVER HOWELL, MI 48843 (517) 546-4836

November 29th, 2023 Revised: December 19th, 2023

23-265 EIA

INTRODUCTION

The purpose of this Impact Assessment (IA) report is to show the effect that this proposed development may have on various factors in the general vicinity of the project. The format used for presentation of this report conforms to the *Submittal Requirements for Impact Assessment* guidelines in accordance with Section 18.07 of the published Zoning Ordinance for Genoa Township, Livingston County, Michigan.

DISCUSSION ITEMS

A. Name(s) and address(es) of person(s) responsible for preparation of the impact assessment and a brief statement of their qualifications.

Prepared For: MICHIGAN RECREATIONAL CONSTRUCTION, INC. 1091 Victory Drive Howell, MI 48843 (313) 806-8406

Prepared By: BOSS ENGINEERING COMPANY Civil Engineers, Land Surveyors, Landscape Architects and Planners 3121 E. Grand River Howell, MI 48843 (517) 546-4836

Boss Engineering has been successfully providing engineering, surveying, planning and landscape architecture services on land development projects since 1969. Since its beginning, Boss Engineering has strived to provide unparalleled professional services with integrity and respect to every client. Today, Boss provides a complete lineup of consulting services for each project, ranging from conceptual design through final construction. The company currently employs a variety of professions including civil engineers, surveyors, landscape architects and sanitarians.

B. Map(s) and written description / analysis of the project site including all existing structures, manmade facilities, and natural features. The analysis shall also include information for areas within 10 feet of the property. An aerial photograph or drawing may be used to delineate these areas.

The site is located on the east side of Victory Drive approximately 1,625 feet southwest of the E. Grand River Ave intersection. The project contains subject parcels 4711-05-303-025 and 4711-05-303-026 which have areas of 5.85 ac and 10.42 ac, respectively. The project will consist of a parcel combination of the two subject parcels for a resultant parcel area of 16.27 ac. The subject property and adjacent properties are all zoned within the Industrial District (IND), with the subject property having approximately 1,040 feet of frontage along Victory Drive. The northern parcel contains an unoccupied building and gravel storage yard and the southern parcel is an undeveloped parcel. The undeveloped parcel contains wetlands and a storm water conveyance channel. The southern parcel also contains a drainage ditch that conveys storm water from the Victory Road right of way to the wetland at the central/west central portion of the parcel.

C. Impact on natural features: A written description of the environmental characteristics of the site prior to development and following development, i.e., topography, soils, wildlife, woodlands, mature trees (eight inch caliper or greater), wetlands, drainage, lakes, streams, creeks or ponds. Documentation by a qualified wetland specialist shall be required wherever the Township determines that there is a potential regulated wetland. Reduced copies of the Existing Conditions Map(s) or aerial photographs may accompany written material.

The total site area is 16.27 acres. The wetland is primarily in the north central portion of the resultant parcel with a storm conveyance channel running north-south through the center of the resultant parcel. The wetland is considered low quality and part of the county drain system with excavated ditches being connected by culverts and draining into the wetland. The woodlands on site contain dogwood (scrub), cottonwood (1"-20"), boxelder (1"-8"), and silver maple (1"-8"). The common wetland vegetation consists of reed canary grass with cattails and common reed grass within open water.

The site gradually drains towards the wetlands with the buildable area consisting of slopes of approximately 5-10% The USDA Soil Conservation Service soil classification for the site with Bronson Loamy Sand, Brookston Loam, Carlisle Muck, and Miami Loam.

D. Impact on storm water management: Description of measures to control soil erosion and sedimentation during grading and construction operations and until a permanent ground cover is established. Recommendations for such measures may be obtained from County Soil Conservation Service.

Surface runoff during periods of construction will be controlled by proper methods set forth by the Livingston County Drain Commissioner, including silt fence, inlet protection devices, and seed and mulch.

At the time of construction, there may be some temporary dust, noise, vibration and smoke, but these conditions will be of relatively short duration and shall be controlled by applying appropriate procedures to minimize the effects, such as watering if necessary for dust control.

The Site Plan documents show the proposed locations of all site improvements along with detailed soil erosion control information. The plans will be reviewed by the Livingston County Drain Commissioner's office for compliance with their regulations prior to issuance of a Soil Erosion Control permit.

E. Impact on surrounding land use: Description of the types of proposed uses and other man made facilities, including any project phasing, and an indication of how the proposed use conforms or conflicts with existing and potential development patterns. A description shall be provided of any increases of light, noise or air pollution which could negatively impact adjacent properties.

The proposed primary use of the site is for storage purposes for construction equipment and material, with hours of operations between 7am and 7pm Monday through Friday. The equipment being stored on-site consists of general construction equipment and materials associated with Michigan Recreational Constructions business. The storage yard will be utilized for parking the company vehicles (which consist of primarily pickup trucks with flatbed trailers and small construction equipment like skid steers and mini excavators), as well as storing materials. Playground equipment will be the primary stored equipment/material within the storage yard. These materials are between 2' to 7' in height. An 8' screen fence is being proposed. The company vehicles and equipment is proposed to be parked behind the existing building when not in use or

when they return from job sites. Existing storage bins behind the existing building will be utilized for storage of loose materials like sand, topsoil and gravel.

The subject site conforms with current surrounding land being zoned in the industrial district. The increase in light, noise or air pollution will be minimal with what is typically associated with an industrial development and is to meet Township Ordinances. The proposed use is consistent with the previously approved use for the 855 Victory Road site, being an industrial building with outdoor storage for a contractor yard. The parcel immediately to the south of the two subject parcels is the current operation for Michigan Recreational Construction that is being relocated to this subject parcel at 855 Victory Drive. This use is consistent with other outdoor storage yards located on Victory Drive.

F. Impact on public facilities and services: Description of number of expected residents, employees, visitors, or patrons, and the anticipated impact on public schools, police protection and fire protection.

Letters from the appropriate agencies may be provided, as appropriate.

The majority of employees for this use typically arrive on site in the morning and depart shortly thereafter in company vehicles to job sites. Thus, the impact on public services like public sewers is minimal. The site is proposed to utilize a well for water supply. The water usage on the site is primarily domestic use for any remaining on-site employees. This proposed use does not impact schools or police and fire protection. The site is serviced by adequate public roads.

G. Impact on public utilities: Description of the method to be used to service the development with water and sanitary sewer facilities, the method to be used to control drainage on the site and from the site, including runoff control during periods of construction. For sites service with sanitary sewer, calculations for pre- and post development flows shall be provided in equivalents to a single family home. Where septic systems are proposed, documentation or permits from the Livingston County Health Department shall be provided.

For sanitary, the development is to be served by public sanitary sewer. The development lies outside of the municipal water main district and will be serviced by well.

The pre-development sanitary flow from this site is zero. Post-development flows based on MHOG sewer standards for industrial buildings is equivalent to 0.46 REU's.

Warehouse & Storage: Unit factor = 0.05 per 1,000 sq ft REU's = $(9,200 \text{ sq ft} / 1,000 \text{ sq ft}) \times 0.05 = 0.46$ REU's

With regards to storm water management, all storm water will be directed towards either the existing north sedimentation basin or towards the modified south sedimentation basins or new east sedimentation basin. The basin design computations/method are consistent with what was previously provided on the subject property on 855 Victory Drive. The Sedimentation Basins are all 50-year basin designs that act as large forebays prior to discharge to the wetland for storage.

H. Storage or handling of any hazardous materials: Description of any hazardous substances expected to be used, stored or disposed of on the site. The information shall describe the type of materials, location within the site and method of containment. Documentation of compliance with federal and state requirements, and a Pollution Incident Prevention Plan (PIPP) shall be submitted, as appropriate.

Two 500-gallon fuel tanks will be stored on-site. The fuel being stored is offroad diesel, which is used to fuel construction equipment. The tanks will meet all local, state, and federal regulations. The tanks will be located on a concrete pad and surrounded by protective bollards. Fueling activities occur in the mornings as crews are preparing to head out to job-sites. Two fuel tanks are proposed to reduce the number of trips needed by the fuel provider (Corrigan Oil) as well as allow two vehicles to be filled concurrently to improve morning operations. The fuel tanks proposed are provided by Corrigan Oil and are dual wall tanks equipped with 110% capacity between the inner and outer walls to meet MDEGLE requirements for secondary containment.

No hazardous materials will be disposed of on this site.

I. Impact on traffic and pedestrians: A description of the traffic volumes to be generated based on national reference documents, such as the most recent edition of the Institute of Transportation Engineers Trip Generation Manual, other published studies or actual counts of similar uses in Michigan.

The anticipated number of trips that will be generated based on the number of employees will be 50 trips between 6 AM - 8 AM and 50 trips between 5 PM - 7 PM. With no on-site client/customers, the vehicle trips are limited to employees entering and leaving the site as well as delivery trucks dropping off equipment. The equipment deliveries occur periodically throughout the day and would typically be 2-3 trucks per day.

J. A detailed traffic impact study shall be submitted for any site over ten (10) acres in size which would be expected to generate 100 directional vehicle trips (i.e. 100 inbound or 100 outbound trips) during the peak hour of traffic of the generator or on the adjacent streets.

Although the site is over 10 acres in area, a majority of the parcel is wetland and will remain undeveloped. Additionally, since the use is limited to employee traffic and deliveries, the inbound/outbound trips in a peak hour is equivalent to the maximum number of employees (50) plus a standard day of 2-3 delivery trucks. Should the delivery trucks arrive within the same hours as employees coming in to work in the morning, there would be approximately 53 inbound trips within the peak hour which is less than 100 directional trips and thus no traffic study is warranted.

K. Special Provisions: General description of any deed restrictions, protective covenants, master deed or association bylaws.

Existing drainage easements exist on the property as shown on the site plan documents.

L. A list of all sources shall be provided.

Genoa Township's Submittal Requirements for Impact Assessment

Genoa Township Zoning Ordinances

Soil Survey of Livingston County, Michigan, U.S.D.A. Soil Conservation Service

National Wetland Inventory Plan, United States Department of the Interior, Fish and Wildlife Service

POLLUTION INCIDENT PREVENTION PLAN FOR "MICHIGAN RECREATIONAL CONSTRUCTION, INC" GENOA TOWNSHIP, LIVINGSTON COUNTY MICHIGAN

Prepared for:

MICHIGAN RECREATIONAL CONSTRUCTION, INC 1091 VICTORY DRIVE HOWELL, MI 48843 (313) 806-8406

Prepared by:

BOSS ENGINEERING COMPANY 3121 E. GRAND RIVER HOWELL, MI 48843 (517) 546-4836

December 19th, 2023

23-265 PIPP

INTRODUCTION

In accordance with Section 13.07 of the published Zoning Ordinance for Genoa Township, Livingston County, Michigan, a Pollution Incident Prevention Plan shall be provided for sites storing large quantities of hazardous materials. Below is information required, by Ordinance.

PARCEL INFO AND CONTACT INFORMATION

Site Address: 855 Victory Drive, Howell, MI 48843 Owner: Michigan Recreational Construction, Inc

Contact Name: Craig Sheffer Contact Number: (313) 806-8406

A. Description of any discharge of any type of wastewater to a storm sewer, drain, lake, stream, wetland, other surface water body or into the groundwater.

There is no discharge of wastewater to a storm sewer, drain, lake, stream, or wetland.

B. Description of storage of any salt, oil, or other potentially hazardous materials including common name, name of chemical components, location, maximum quantity expected on hand at any time, type of storage containers or base material, and anticipated procedure for use and handling.

The fuel proposed to be stored on-site is offroad diesel. The fuel is used in construction equipment used by the Michigan Recreational Construction operations. The fuel pad is located 81' from the rear of the existing building. The maximum quantity anticipated on site is 1,000 gallons. Two (2) 500 gallons tanks are being provided by Corrigan Oil and a detail is provided in attached Appendix A. The fuel tanks are provided on an 8" thick concrete pad. The typical operations on site include morning fueling fill ups of construction equipment by employees prior to leaving for job sites. Fill ups occur daily. Fuel usage is approximately 500-600 gallons per week. Corrigan Oil will provide fuel delivery for the tanks on a bi-weekly or weekly basis as needed. Transport and handling of the off-road diesel shall comply with all Local, State, and Federal regulations and per the Material Safety Data Sheet.

C. Description of any transportation, on-site treatment, storage or disposal of hazardous waste generated in quantities of 250 gallons or 2200 pounds per month.

No hazardous waste is generated on-site.

D. Description of any secondary containment measures proposed including design, construction materials and specification, volume and security measures.

The 500-gallon tanks provided by Corrigan Oil are dual wall tanks that provide 110% capacity between the inner and outer tank walls. The fuel tanks are proposed to be placed on an 8" thick concrete pad, as shown on the plans. The concrete pad includes protective bollards around its perimeter for protection. The fuel storage tanks are located in a gravel storage yard area behind the existing building. This area is not open to public and is enclosed by an 8' high fence with automated security gates for access which limits access to employees.

E. Name and phone number(s) of person(s) responsible for materials and available 24 hours, in case of detected spill.

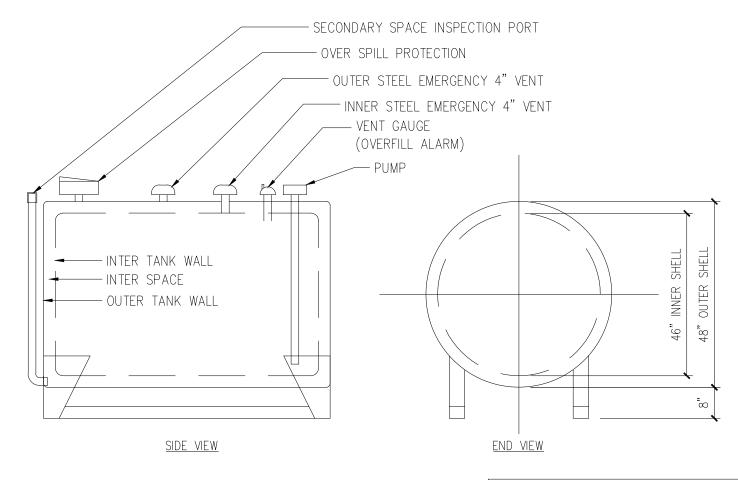
Owner: Michigan Recreational Construction, Inc

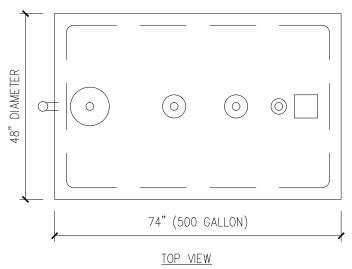
Contact Name: Craig Sheffer Contact Number: (313) 806-8406

Fuel Supplier: Corrigan Oil Contact Number: 810-229-6323

Appendix A

Fuel Storage Tank Detail





500 GALLON TANK — UL142® DOUBLE WALL ABOVE GROUND STORAGE TANK 12 GAUGE CONSTRUCTION MDEQ APPROVED 110% CAPACITY BETWEEN OUTER SHELL AND INNER SHELL



PROPERTY DESCRIPTION:

RECORDED IN LIBER 30 OF PLATS, PAGES 1-5, LIVINGSTON COUNTY RECORDS AND BEING A PART OF THE SOUTHWEST 1/4 OF SECTION 5 AND PART OF THE SOUTHEAST

DRIVE (66 FOOT WIDE RIGHT OF WAY) ON THE FOLLOWING THREE (3) COURSES: 1)NORTHERLY ON AN ARC LEFT, HAVING A LENGTH OF 62.39 FEET, A RADIUS OF 650.15 FEET, A CENTRAL ANGLE OF 05°29'55", AND A LONG CHORD WHICH BEARS

2)NORTHERLY ON AN ARC RIGHT, HAVING A LENGTH OF 99.88 FEET, A RADIUS OF 584.15 FEET, A CENTRAL ANGLE OF 09°47'49", AND A LONG CHORD WHICH BEARS

3)N 01°04'01" W, 497.72 FEET, TO THE POINT OF BEGINNING, CONTAINING 5.85 ACRES, MORE OR LESS, AND SUBJECT TO THE RIGHTS OF THE PUBLIC OVER THE EXISTING SAID VICTORY DRIVE. ALSO SUBJECT TO ANY OTHER EASEMENTS OR

2ND PARCEL:

LOT 17 AND PART OF LOT 18 AND PART OF LOT 19, OF "GRAND OAKS WEST INDUSTRIAL 54 SECONDS WEST 680.69 FEET TO THE POINT OF BEGINNING. SUBJECT TO THE RIGHTS OF THE PUBLIC OVER EXISTING VICTORY DRIVE AND TO ANY OTHER EASEMENT OR

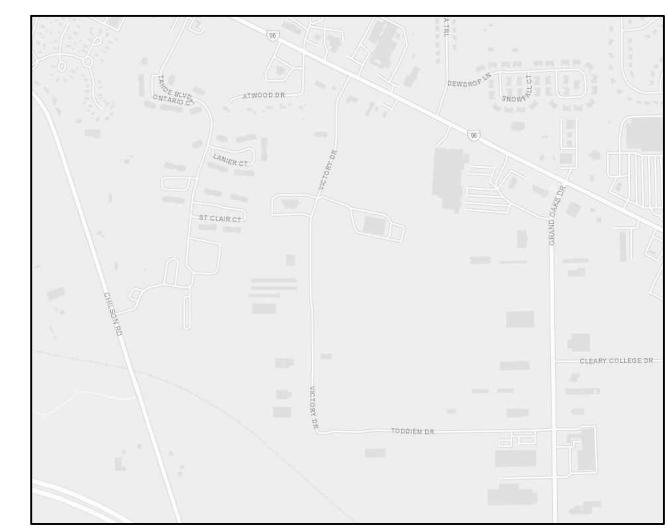
SECTION 5 & 6 TOWN 2 NORTH RANGE 5 EAST GRAND OAKS WEST INDUSTRIAL PARK LOT 16

SITE PLAN FOR

1/4 OF SECTION 6, T2N-R5E, GENOÁ TOWNSHIP, LIVINGSTON COUNTY, MICHIGAN, MORE PARTICULARLY DESCRIBED AS FOLLOWS: BEGINNING AT THE NORTHWEST CORNER OF SAID LOT 19 OF "GRAND OAKS WEST INDUSTRIAL PARK"; THENCE ALONG THE NORTH LINE OF SAID LOT 19, S 80°36'27" E, 435.57 FEET; THENCE S 02°07'51" W, 581.16 FEET; THENCE S 88°58'54" W, 379.75 FEET; THENCE ALONG THE EAST LINE OF VICTORY OF SAID LOT 19, S 80°36'27" E, 435.57 FEET; THENCE ALONG THE EAST LINE OF VICTORY OF SAID LOT 19, S 80°36'27" E, 435.57 FEET; THENCE ALONG THE EAST LINE OF VICTORY OF SAID LOT 19, S 80°36'27" E, 435.57 FEET; THENCE ALONG THE EAST LINE OF VICTORY OF SAID LOT 19, S 80°36'27" E, 435.57 FEET; THENCE ALONG THE EAST LINE OF VICTORY OF SAID LOT 19, S 80°36'27" E, 435.57 FEET; THENCE ALONG THE EAST LINE OF VICTORY OF SAID LOT 19, S 80°36'27" E, 435.57 FEET; THENCE ALONG THE EAST LINE OF VICTORY OF SAID LOT 19, S 80°36'27" E, 435.57 FEET; THENCE ALONG THE EAST LINE OF VICTORY OF SAID LOT 19, S 80°36'27" E, 435.57 FEET; THENCE ALONG THE EAST LINE OF VICTORY OF SAID LOT 19, S 80°36'27" E, 435.57 FEET; THENCE ALONG THE EAST LINE OF VICTORY OF SAID LOT 19, S 80°36'27" E, 435.57 FEET; THENCE ALONG THE EAST LINE OF VICTORY OF SAID LOT 19, S 80°36'27" E, 435.57 FEET; THENCE ALONG THE EAST LINE OF VICTORY OF SAID LOT 19, S 80°36'27" E, 435.57 FEET; THENCE ALONG THE EAST LINE OF VICTORY OF SAID LOT 19, S 80°36'27" E, 435.57 FEET; THENCE ALONG THE EAST LINE OF VICTORY OF SAID LOT 19, S 80°36'27" E, 435.57 FEET; THENCE ALONG THE EAST LINE OF VICTORY OF SAID LOT 19, S 80°36'27" E, 435.57 FEET; THENCE ALONG THE EAST LINE OF VICTORY OF SAID LOT 19, S 80°36'27" E, 435.57 FEET; THENCE ALONG THE EAST LINE OF VICTORY OF SAID LOT 19, S 80°36'27" E, 435.57 FEET; THENCE ALONG THE EAST LINE OF VICTORY OF SAID LOT 19, S 80°36'27" E, 435.57 FEET; THENCE ALONG THE SAID LOT 19, S 80°36'27" E, 435.57 FEET; THENCE ALONG THE EAST LINE OF VICTORY OF SAID LOT 19, S 80°36'27" E, 435.57 FEET; THENCE ALONG THE EAST LINE OF VICTORY OF SAID LOT 19, S 80°36'27" E, 435.57 FEET; THENCE

PART OF SW QUARTER, SECTION 5 855 VICTORY DRIVE GENOA TOWNSHIP, LIVINGSTON COUNTY, MI





LOCATION MAP

NO SCALE

	SHEET INDEX					
SHEET NO.	DESCRIPTION					
1 2 3 4 5 6 7 8 9 10 11	COVER SHEET GENERAL NOTES & LEGEND EXISTING CONDITIONS & DEMOLITION PLAN SITE PLAN GRADING & DRAINAGE PLAN SOIL EROSION & SEDIMENTATION CONTROL PLAN UTILITY PLAN BASIN DETAILS LANDSCAPE PLAN CONSTRUCTION DETAILS CONSTRUCTION DETAILS					
	PLANS BY OTHERS					
1	GASSER BUSH ASSOCIATES					

OVERALL SITE MAP NO SCALE

PERMITS & APPROVALS TOWNSHIP ENGINEERING APPROVAL LCRCLCDC SESCEGLE — WETLAND

INDEMNIFICATION STATEMENT

g:\23-265\DWG\SP\23-265 Sheet SP.dwg, 1/22/2024 2:29:54 PM, AutoCAD PDF (Smallest File).pc3

THE CONTRACTOR SHALL HOLD HARMLESS THE DESIGN PROFESSIONAL, MUNICIPALITY, COUNTY, STATE AND ALL OF ITS SUB CONSULTANTS, PUBLIC AND PRIVATE UTILITY COMPANIES, AND LANDOWNERS FOR DAMAGES TO INDIVIDUALS AND PROPERTY, REAL OR OTHERWISE, DUE TO THE OPERATIONS OF THE CONTRACTOR AND/OR THEIR SUBCONTRACTORS.

LIGHTING PREPARED BY:

GASSER BUSH ASSOCIATES 30984 INDUSTRIAL RD LIVONIA, MI 48150 QUOTES@GASSERBUSH.COM PHONE: 734-266-6705

PREPARED FOR:

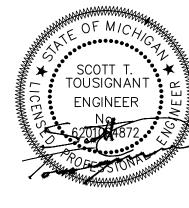
MICHIGAN RECREATIONAL CONSTRUCTION, INC. 1091 VICTORY DRIVE **HOWELL**, MI 48843 **CONTACT: SUSAN & CRAIG SHEFFER**

PHONE: 517-545-7122

EMAIL: CRAIG@BUILDINGFUN.COM

PREPARED BY:

3121 E. GRAND RIVER AVE. HOWELL, MI. 48843 517.546.4836 FAX 517.548.1670 CONTACT: SCOTT TOUSIGNANT



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	2	MJD	ST	PER PC MEETING	1-15-24	_
┨	1	MJD	ST	PER TOWNSHIP REVIEW	12-19-23	ISSUE DATE: 11/29/23
	NO	BY	CK	REVISION	DATE	JOB NO: 23-265

FOR SITE PLAN APPROVAL ONLY!
NOT FOR CONSTRUCTION

GENERAL NOTES

- 1. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL REQUIRED TOWNSHIP, COUNTY, AND STATE OF MICHIGAN PERMITS.
- 2. A GRADING PERMIT FOR SOIL EROSION-SEDIMENTATION CONTROL SHALL BE OBTAINED FROM THE GOVERNING AGENCY PRIOR TO THE START OF CONSTRUCTION.
- 3. IF DUST PROBLEM OCCURS DURING CONSTRUCTION, CONTROL WILL BE PROVIDED BY AN APPLICATION OF WATER, EITHER BY SPRINKLER OR TANK TRUCK.
- 4. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH LOCAL MUNICIPAL STANDARDS AND
- SPECIFICATIONS. 5. PAVED SURFACES. WALKWAYS, SIGNS, LIGHTING AND OTHER STRUCTURES SHALL BE MAINTAINED IN A SAFE,
- 6. ALL BARRIER-FREE FEATURES SHALL BE CONSTRUCTED TO MEET ALL LOCAL, STATE AND A.D.A. REQUIREMENTS. WHERE EXISTING CONDITIONS AND/OR THE REQUIREMENTS OF THE PLANS WILL RESULT IN FINISHED CONDITIONS THAT DO NOT MEET ADA REQUIREMENTS, THE CONTRACTOR SHALL NOTIFY THE DESIGN
- 7. ANY DISCREPANCY IN THIS PLAN AND ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE DESIGN ENGINEER PRIOR TO THE START OF CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL SETBACKS, EASEMENTS AND DIMENSIONS SHOWN HEREON PRIOR TO BEGINNING CONSTRUCTION.
- 8. THE CONTRACTOR SHALL CONTACT ALL OWNERS OF EASEMENTS, UTILITIES AND RIGHT-OF-WAY, PUBLIC OR PRIVATE, PRIOR TO THE START OF CONSTRUCTION.
- 9. THE CONTRACTOR SHALL COORDINATE WITH ALL OWNERS TO DETERMINE THE LOCATION OF EXISTING LANDSCAPING, IRRIGATION LINES & PRIVATE UTILITY LINES. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING LANDSCAPING, IRRIGATION LINES, AND PRIVATE UTILITY LINES.
- 10. THE CONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS FROM THE SITE UPON COMPLETION OF THE
- 11. THE CONTRACTOR SHALL MAINTAIN THE SITE IN A MANNER SO THAT WORKMEN AND PUBLIC SHALL BE
- PROTECTED FROM INJURY, AND ADJOINING PROPERTY PROTECTED FROM DAMAGE.
- 12. THE CONTRACTOR SHALL KEEP THE AREA OUTSIDE THE "CONSTRUCTION LIMITS" BROOM CLEAN AT ALL TIMES. 13. THE CONTRACTOR SHALL CALL MISS DIG A MINIMUM OF 72 HOURS PRIOR TO THE START OF CONSTRUCTION.
- 14. ALL PAVEMENT REPLACEMENT AND OTHER WORKS COVERED BY THESE PLANS SHALL BE DONE IN
- ACCORDANCE WITH THE REQUIREMENTS OF THE TOWNSHIP, INCLUDING THE LATEST MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
- 15. THE CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGE TO EXISTING UTILITIES.

ATTRACTIVE CONDITION AS ORIGINALLY DESIGNED AND CONSTRUCTED.

ENGINEER PRIOR TO WORK COMMENCING.

- 16. NO ADDITIONAL COMPENSATION WILL BE PAID TO THE CONTRACTOR FOR ANY DELAY OR INCONVENIENCE DUE TO THE MATERIAL SHORTAGES OR RESPONSIBLE DELAYS DUE TO THE OPERATIONS OF SUCH OTHER PARTIES DOING WORK INDICATED OR SHOWN ON THE PLANS OR IN THE SPECIFICATION OR FOR ANY REASONABLE DELAYS IN CONSTRUCTION DUE TO THE ENCOUNTERING OR EXISTING UTILITIES THAT MAY OR MAY NOT BE SHOWN ON THE PLANS.
- 17. DURING THE CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL NOT PERFORM WORK BY PRIVATE AGREEMENT WITH PROPERTY OWNERS ADJACENT TO THE PROJECT.
- 18. IF WORK EXTENDS BEYOND NOVEMBER 15, NO COMPENSATION WILL BE DUE TO THE CONTRACTOR FOR ANY WINTER PROTECTION MEASURES THAT MAY BE REQUIRED BY THE ENGINEER.
- 19. NO TREES ARE TO BE REMOVED UNTIL MARKED IN THE FIELD BY THE ENGINEER.
- 20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE PROPERTY BEYOND THE CONSTRUCTION LIMITS INCLUDING BUT NOT LIMITED TO EXISTING FENCE, LAWN, TREES AND SHRUBBERY.
- 21. TRAFFIC SHALL BE MAINTAINED DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL SIGNS AND TRAFFIC CONTROL DEVICES. FLAG PERSONS SHALL BE PROVIDED BY THE CONTRACTOR IF DETERMINED NECESSARY BY THE ENGINEER. ALL SIGNS SHALL CONFORM TO THE MICHIGAN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AT NO COST TO THE TOWNSHIP. NO WORK SHALL BE DONE UNLESS THE APPROPRIATE TRAFFIC CONTROL DEVICES ARE IN PLACE.
- 22. ALL DEMOLISHED MATERIALS AND SOIL SPOILS SHALL BE REMOVED FROM THE SITE AT NO ADDITIONAL COST, AND DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.
- 23. ANY EXISTING APPURTENANCES SUCH AS MANHOLES, GATE VALVES, ETC. SHALL BE ADJUSTED TO THE PROPOSED GRADE AND SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- 24. ALL PERMANENT SIGNS AND PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST REVISION OF THE MICHIGAN MUTCD MANUAL AND SHALL BE INCIDENTAL TO THE CONTRACT.
- 25. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT ALL ITEMS REQUIRED FOR CONSTRUCTION OF THE PROJECT ARE INCLUDED IN THE CONTRACT. ANY ITEMS NOT SPECIFICALLY DESIGNATED IN THE PLANS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- 26. THE CONTRACTOR IS RESPONSIBLE FOR HAVING A SET OF APPROVED CONSTRUCTION PLANS, WITH THE LATEST REVISION DATE, ON SITE PRIOR TO THE START OF CONSTRUCTION, IN THE EVENT OF ANY QUESTIONS PERTAINING TO THE INTENT OF THE CONSTRUCTION PLANS OR SPECIFICATIONS, THE CONTRACTOR SHALL CONTACT THE DESIGN ENGINEER FOR A FINAL DETERMINATION FROM THE DESIGN ENGINEER.
- 27. THE CONTRACTOR, NOT THE OWNER OR THE ENGINEER, ARE RESPONSIBLE FOR THE MEANS, METHODS, AND SEQUENCE OF CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR SAFE EXECUTION OF THE PROJECT SCOPE IN ACCORDANCE WITH THE APPROVED CONSTRUCTION PLANS.
- 28. THE CONTRACTOR IS RESPONSIBLE FOR PRESERVING CONSTRUCTION STAKING AS NECESSARY. CONTRACTOR TO NOTIFY CONSTRUCTION SURVEYOR OF REPLACEMENT STAKES NEEDED WHICH SHALL BE AT THE CONTRACTORS
- 29. THE OWNER AND/OR CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING FRANCHISE UTILITY SERVICES (CABLE, ELECTRIC, GAS, ETC.) OWNER AND/OR CONTRACTOR SHALL WORK WITH UTILITY COMPANIES ON FURNISHING SITE UTILITY LAYOUTS AND PROVIDING CONDUIT CROSSINGS AS REQUIRED.
- 30. DAMAGE TO ANY EXISTING UTILITIES OR INFRASTRUCTURE (INCLUDING PAVEMENT, CURB. SIDEWALK, ETC.) SHALL PROMPTLY BE REPLACED IN KIND AND SHALL BE AT THE CONTRACTORS EXPENSE.
- 31. COORDINATION OF TESTING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND PER ALL CITY/TOWNSHIP/COUNTY REQUIREMENTS. COPIES OF ALL TEST REPORTS SHALL BE FURNISHED TO THE DESIGN
- 32. PRIOR TO THE START OF CONSTRUCTION, PROTECTION FENCING SHALL BE ERECTED AROUND THE TREE DRIPLINE OF ANY TREES INDICATED TO BE SAVED WITHIN THE LIMITS OF DISTURBANCE.
- 33. THE CONTRACTOR SHALL MAINTAIN DRAINAGE OF THE PROJECT AREA AND ADJACENT AREAS. WHERE EXISTING DRAINAGE FACILITIES ARE IMPACTED/DISTURBED DUE TO CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE ANY NECESSARY TEMPORARY DRAINAGE PROVISIONS.
- 34. SOIL BORING LOGS ARE REPRESENTATIVE OF SPECIFIC POINTS ON THE PROJECT SITE, AND IF PROVIDED TO THE CONTRACTOR ARE FOR INFORMATIONAL PURPOSES ONLY.
- 35. WHERE CITY/TOWNSHIP STANDARD CONSTRUCTION DETAILS/SPECIFICATIONS ARE PROVIDED AND ARE IN CONFLICT WITH NOTES AND SPECIFICATIONS HEREIN, THE CITY/TOWNSHIP STANDARD SHALL GOVERN.

INDEMNIFICATION STATEMENT

THE CONTRACTOR SHALL HOLD HARMLESS THE DESIGN PROFESSIONAL, MUNICIPALITY, COUNTY, STATE, AND ALL OF ITS SUB CONSULTANTS, PUBLIC AND PRIVATE UTILITY COMPANIES, AND LANDOWNERS FOR DAMAGES TO INDIVIDUALS AND PROPERTY, REAL OR OTHERWISE, DUE TO THE OPERATIONS OF THE CONTRACTOR AND/OR THEIR SUBCONTRACTORS.

CONTRACTOR TO FOLLOW MANUFACTURER SPECS/RECOMMENDATIONS THAT SUPERCEDE PLANS

GENERAL GRADING & SESC NOTES

- 1. THE CONTRACTOR SHALL HAVE IN PLACE ALL REQUIRED EROSION CONTROL METHODS AS INDICATED ON THE CONSTRUCTION PLANS AND AS REQUIRED BY GENERAL PRACTICE. SPECIFIC MEANS, METHODS AND SEQUENCES OF CONSTRUCTION MAY DICTATE ADDITIONAL SOIL EROSION CONTROL MEASURES BE NEEDED. THE CONTRACTOR SHALL COORDINATE WITH THE DESIGN ENGINEER ON THESE ANTICIPATED METHODS. ADDITIONAL SOIL EROSION CONTROL METHODS SHALL BE INCIDENTAL TO THE SCOPE OF WORK.
- 2. ACTUAL FIELD CONDITIONS MAY DICTATE ADDITIONAL OR ALTERNATE SOIL EROSION CONTROL MEASURES BE UTILIZED. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DEFICIENCIES OR FIELD CONDITIONS THAT WARRANT ADDITIONAL AND/OR ALTERNATIVE SESC MEASURES BE UTILIZED.
- 3. AT THE CLOSE OF EACH DAY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING ALL CONSTRUCTION OPERATIONS, MATERIALS, DEBRIS, ETC ARE CONTAINED ON-SITE.
- 4. AT THE CLOSE OF EACH WORKING DAY, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS AT THE FLOW LINE.
- 5. ALL SOIL EROSION CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE PER MDEGLE REGULATIONS AND
- BEST PRACTICES, ALL SOIL EROSION CONTROL MEASURES SHALL BE MAINTAINED BY THE CONTRACTOR. THE SOIL EROSION CONTROL MEASURES SHALL BE KEPT IN PLACE UNTIL SUCH A TIME THAT THE SITE IS
- DETERMINED TO BE ESTABLISHED WITH ACCEPTABLE AMOUNT OF VEGETATIVE GROUND COVER. 7. ALL AREAS DISTURBED BY THE CONTRACTOR BEYOND THE NORMAL CONSTRUCTION LIMITS OF THE PROJECT
- SHALL BE SODDED OR SEEDED AS SPECIFIED OR DIRECTED BY THE ENGINEER.
- 8. AFTER REMOVAL OF TOPSOIL, THE SUBGRADE SHALL BE COMPACTED TO 95% OF ITS UNIT WEIGHT.
- 9. ALL GRADING IN THE PLANS SHALL BE DONE AS PART OF THIS CONTRACT. ALL DELETERIOUS MATERIAL SHALL BE REMOVED FROM THE SUBGRADE PRIOR TO COMPACTING.
- 10. ALL ROOTS, STUMPS AND OTHER OBJECTIONABLE MATERIALS SHALL BE REMOVED AND THE HOLE BACKFILLED WITH SUITABLE MATERIAL. WHERE GRADE CORRECTION IS REQUIRED, THE SUBGRADE SHALL BE CUT TO CONFORM TO THE CROSS-SECTION AS SHOWN IN THE PLANS.
- 11. ALL EXCAVATION UNDER OR WITHIN 3 FEET OF PUBLIC PAVEMENT, EXISTING OR PROPOSED SHALL BE BACKFILLED AND COMPACTED WITH SAND (MDOT CLASS II).

GENERAL LANDSCAPE NOTES

- 1. ALL PLANT MATERIAL SHALL CONFORM TO THE REQUIREMENTS AND SPECIFICATIONS OF THE GOVERNING MUNICIPALITY. ALL STOCK SHALL BE NURSERY GROWN, CONFORMING TO ANSI Z60.1 "AMERICAN STANDARD FOR NURSERY STOCK", AND IN ACCORDANCE WITH GOOD HORTICULTURAL PRACTICE. STOCK SHALL EXHIBIT NORMAL GROWTH HABIT AND BE FREE OF DISEASE, INSECTS, EGGS, LARVAE, & DEFECTS SUCH AS KNOTS, SUN-SCALD, INJURIES, ABRASIONS, OR DISFIGUREMENT. ALL PLANT MATERIAL SHALL BE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT.
- ALL PLANT MATERIALS SHALL BE BALLED AND BURLAPPED OR CONTAINER STOCK. NO BARE ROOT STOCK IS PERMITTED. ALL PLANT BALLS SHALL BE FIRM, INTACT, AND SECURELY WRAPPED AND BOUND.
- 3. ALL PLANT BED MATERIALS SHALL BE EXCAVATED OF ALL BUILDING MATERIALS, OTHER EXTRANEOUS OBJECTS, AND POOR SOILS TO A MINIMUM DEPTH OF 12-INCHES AND BACKFILLED TO GRADE WITH SPECIFIED PLANTING MIX (SEE BELOW).
- 4. PLANTING MIXTURE SHALL CONSIST OF 5 PARTS TOPSOIL FROM ON—SITE (AS APPROVED), 4 PARTS COARSE SAND, 1 PART SPHAGNUM PEAT MOSS (OR APPROVED COMPOST), AND 5 LBS OF SUPERPHOSPHATE FERTILIZER PER CU. YD. OF MIX. INGREDIENTS SHALL BE THOROUGHLY BLENDED FOR UNIFORM CONSISTENCY.
- 5. ALL PLANT BEDS AND INDIVIDUAL PLANTS, NOT OTHERWISE NOTED SHALL BE MULCHED WITH A 4-INCH LAYER OF SHREDDED BARK MULCH. EDGE OF MULCH BEDS AS SHOWN. DECIDUOUS TREES IN LAWN AREAS SHALL RECEIVE A 5-FT DIAMETER CIRCLE OF MULCH AND CONIFER TREES 8-FT (PLANTED CROWN OF TREE) UNLESS OTHERWISE NOTED.
- 6. LANDSCAPE STONE SHALL BE INSTALLED WHERE NOTED OR INDICATED (HATCHED). STONE SHALL BE 3/4"-1-1/4" WASHED RIVER GRAVEL OR AS SELECTED AND SHALL BE INSTALLED TO A MINIMUM DEPTH OF 3-INCHES.
- 7. ALL LANDSCAPE BEDS, UNLESS OTHERWISE NOTED SHALL BE INSTALLED OVER WEED BARRIER FABRIC WATER PERMEABLE FILTRATION FABRIC OF NON-WOVEN POLYPROPYLENE OR POLYESTER FABRIC. FABRIC SHALL BE OF SUITABLE THICKNESS FOR APPLICATION.
- 8. ALL PLANTS AND PLANT BEDS SHALL BE THOROUGHLY WATERED UPON COMPLETION OF PLANTING AND STAKING OPERATIONS.
- THE CONTRACTOR SHALL GUARANTEE ALL PLANT MATERIALS FOR A PERIOD OF 1 YEAR FROM THE DATE THE WORK IS ACCEPTED, IN WRITING, BY THE LANDSCAPE ARCHITECT. THE CONTRACTOR SHALL REPLACE, WITHOUT COST TO THE OWNER, WITHIN A SPECIFIED PERIOD OF TIME, ALL DEAD PLANTS, AND ALL PLANTS NOT IN A VIGOROUS, THRIVING CONDITION, AS DETERMINED BY THE LANDSCAPE ARCHITECT, DURING AND AT THE END OF THE GUARANTEE PERIOD. REPLACEMENT STOCK SHALL CONFORM TO THE ORIGINAL SPECIFICATIONS.
- 10. EDGING SHALL BE PROVIDED FOR ALL LANDSCAPE BEDS NOT ADJACENT TO CONCRETE PAVEMENT. EDGING SHALL BE BLACK ALUMINUM EDGING, 3/16-INCH X 4-INCH. INSTALL PER MANUFACTURER'S INSTRUCTIONS, ALL EDGING SHALL BE INSTALLED IN STRAIGHT LINES OR SMOOTH CURVES WITHOUT IRREGULARITIES.
- 11. SOD SHALL BE DENSE, WELL ROOTED TURF, FREE OF WEEDS. IT SHALL BE COMPRISED OF A BLEND OF AT LEAST TWO KENTUCKY BLUE GRASSES AND ONE FESCUE. IT SHALL HAVE A UNIFORM THICKNESS OF 3/4-INCH AT TIME OF PLANTING, AND CUT IN UNIFORM STRIPS NOT LESS THAN 10-INCHES BY 18-INCHES. SOD SHALL BE KEPT MOIST AND LAID WITHIN 36-HOURS AFTER CUTTING.
 - IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ESTABLISH A DENSE LAWN OF PERMANENT GRASSES, FREE OF LUMPS AND DEPRESSIONS. ALL SODDED AREAS THAT BROWN-OUT OR HAVE NOT FIRMLY KNITTED TO THE SOIL BASE WITHIN A PERIOD OF 1 MONTH SHALL BE REPLACED BY THE CONTRACTOR, AT NO COST TO THE OWNFR.
- 12. ALL AREAS OF THE SITE THAT BECOME DISTURBED DURING CONSTRUCTION AND ARE NOT TO BE PAVED, STONED, LANDSCAPED, OR SODDED SHALL BE SEEDED AND MULCHED.

SEED MIXTURE SHALL BE AS FOLLOWS: KENTUCKY BLUEGRASS (CHOOSE 3 VARIETIES -30% ADELPHI, RUGBY, GLADE, OR PARADE) RUBY RED OR DAWSON RED FINE FESCUE 30% ATLANTA RED FESCUE 20% PENNFINE PERENNIAL RYE 20%

THE ABOVE SEED MIXTURE SHALL BE SOWN AT A RATE OF 250 LBS PER ACRE. PRIOR TO SEEDING, THE TOPSOIL SHALL BE FERTILIZED WITH A COMMERCIAL FERTILIZER WITH A 10-0-10 ANALYSIS:

10% NITROGEN - MIN 25% FROM A UREA FORMALDEHYDE SOURCE

0 % PHOSPHATE 10% POTASH - SOURCE POTASSIUM SULFATE OR POTASSIUM NITRATE

THE FIRST FERTILIZER APPLICATION SHALL BE AT A RATE OF 10 LBS PER 1000 SQ FT OF BULK FERTILIZER. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ESTABLISH A DENSE LAWN OF PERMANENT GRASSES, FREE OF LUMPS AND DEPRESSIONS. ANY PART OF THE AREA THAT FAILS TO SHOW A UNIFORM GERMINATION SHALL BE RE-SEEDED AND SUCH RE-SEEDING SHALL CONTINUE UNTIL A DENSE LAWN IS ESTABLISHED. DAMAGE TO

13. ALL AREAS OF THE SITE SCHEDULED FOR SEEDING OR SODDING SHALL FIRST RECEIVE A 6-INCH LAYER OF CLEAN, FRIABLE TOPSOIL. THE SOIL SHALL BE DISCED AND SHALL BE GRADED IN CONFORMANCE WITH THE GRADING PLAN.

SEEDED AREAS RESULTING FROM EROSION SHALL BE REPAIRED BY THE CONTRACTOR.

14. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATION OF ALL UTILITIES AND TO INFORM THE LANDSCAPE ARCHITECT OF ANY CONFLICTS PRIOR TO COMMENCING LANDSCAPING.

GENERAL UTILITY NOTES

- BEDDING SHALL EXTEND A MINIMUM OF 4" BELOW THE PIPE, UNLESS OTHERWISE NOTED ON THE PLANS. BEDDING SHALL BE OF UNIFORM GRADATION MDOT 6AA STONE OR MDOT CLASS II GRANULAR MATERIAL FOR SANITARY AND STORM PIPE AND MDOT CLASS II GRANULAR MATERIAL ONLY FOR WATERMAIN.
- 2. WHERE UNSTABLE GROUND CONDITIONS ARE ENCOUNTERED, STONE BEDDING SHALL BE USED AS DIRECTED BY THE ENGINEER.
- 3. BACKFILL SHALL BE OF A SUITABLE MATERIAL AND SHALL BE FREE OF ANY ORGANIC MATERIALS AND ROCKS.
- 4. BACKFILL ABOVE THE PIPE SHALL BE OF GRANULAR MATERIAL MDOT CLASS II TO A POINT 12" ABOVE THE TOP OF THE PIPE. WHERE THE TRENCH IS NOT WITHIN THE INFLUENCE OF THE ROAD, SUITABLE SITE MATERIAL MAY BE COMPACTED AND UTILIZED FROM A POINT 12" ABOVE THE PIPE TO GRADE, WHERE THE TRENCH IS WITHIN A 1:1 INFLUENCE OF THE ROAD, GRANULAR MATERIAL, MDOT CLASS II OR III, IS TO BE PLACED AND COMPACTED IN LAYERS NOT EXCEEDING 12" IN THICKNESS. COMPACTION SHALL BE 95% AS DETERMINED BY AASHTO T99.
- 5. 18" MINIMUM VERTICAL SEPARATION AND 10' HORIZONTAL SEPARATION IS TO BE MAINTAINED BETWEEN WATERMAIN AND SANITARY/STORM SEWER TO THE MAXIMUM EXTENT POSSIBLE.

GENERAL STORM NOTES

- 1. ALL STORM PIPE LENGTHS ARE SHOWN FROM C/L TO C/L OF STRUCTURE OR FROM C/L OF STRUCTURE TO DISCHARGE END OF FLARED END SECTION.
- 2. STORM PIPE MATERIALS SHALL BE AS FOLLOWS:
- 2.1. RCP(REINFORCED CONCRETE PIPE): SHALL MEET THE REQUIREMENTS OF ASTM C76 WITH MODIFIED GROOVED TONGUE AND RUBBER GASKETS MEETING THE REQUIREMENTS OF ASTM C443. RCP TO BE EITHER CLASS IV OR V AS CALLED OUT ON THE PLANS.
- HDPE(HIGH DENSITY POLYETHYLENE): SHALL MEET THE REQUIREMENTS OF ASTM F2648. 2.3. PP(POLYPROPYLENE): SHALL MEET THE REQUIREMENTS OF ASTM F2881.
- 2.4. PVC(POLYVINYL CHLORIDE): SHALL MEET THE REQUIREMENTS OF ASTM D3034.
- 3. STORM PIPE JOINTS SHALL MEET THE REQUIREMENTS OF ASTM D3212. HDPE AND PP PIPE GASKETS SHALL MEET THE REQUIREMENTS OF ASTM F477.
- 4. ALL STORM PIPE TO HAVE WATERTIGHT PREMIUM JOINTS, UNLESS OTHERWISE NOTED ON THE PLANS.
- 5. STORM DRAINAGE STRUCTURES SHALL BE FURNISHED WITH STEPS WHICH SHALL BE STEEL ENCASED WITH POLYPROPYLENE PLASTIC OR EQUIVALENT. STEPS SHALL BE SET AT 16" CENTER TO CENTER.
- 6. ALL FLARED END SECTIONS 15" AND LARGER SHALL BE FURNISHED WITH AN ANIMAL GRATE.
- 7. FLARED END SECTIONS DISCHARGING STORM WATER SHALL RECEIVE A MINIMUM OF 10 SQ YDS OF PLAIN COBBLESTONE RIP RAP WITH A MINIMUM STONE SIZE OF 6" AND SHALL BE PLACED ON A GEOTEXTILE FABRIC
- 8. ALL CATCH BASINS WITHIN THE ROADWAY SHALL INCLUDE INSTALLATION OF 6" DIAMETER PERFORATED PIPE
- 9. STORM DRAINAGE STRUCTURE COVERS SHALL BE OF THE FOLLOWING (OR APPROVED EQUAL):

1040

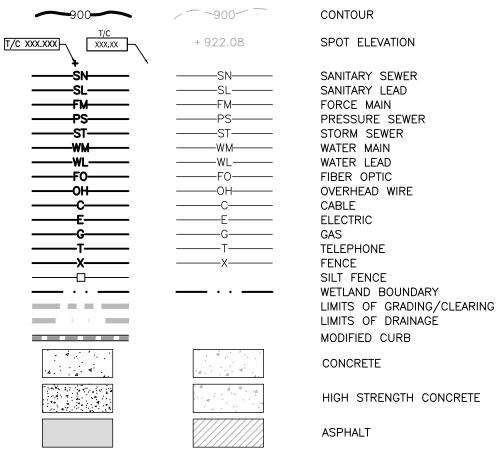
TYPE C & F CURB 7045

COVER USE GRATE/BACK MANHOLF TYPF 'B' TYPE B2 CURB 7085 TYPE 'M1' VALLEY CURB 7065 7045 TYPE 'M1' GRATE/7060 TYPE 'T1' BACK PARKING LOTS 1040/5100 TYPE 'M1' GRATE OR 5105 TYPE 'M1' GRATE

TYPE '02' GRATE

TYPE 'M1' GRATE/7050 TYPE 'T1' BACK

LINES & HATCHES LEGEND PROPOSED (PR) <u>EXISTING</u> (EX)



HIGH STRENGTH ASPHALT WETLAND SANITARY SEWER LABEL

> STORM SEWER LABEL WATER MAIN LABEL

> > SOIL EROSION CONTROL MEASURE (P=PERMANENT, T=TEMPORARY)

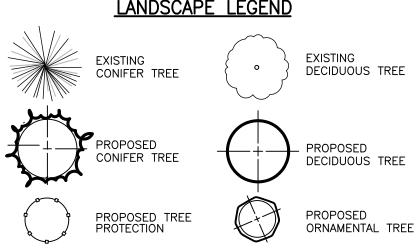
LIGHTING LEGEND EXISTING (EX) <u>PROPOSED</u> (PR) \bigcirc

DOUBLE FIXTURE LIGHT POLE SINGLE FIXTURE LIGHT FIXTURE WALL MOUNTED LIGHT FIXTURE

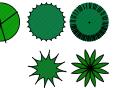
GROUND LIGHT FIXTURE FOOT CANDLES ON SITE FOOT CANDLES OFF SITE FOOT CANDLES CONTOURS

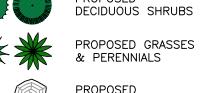
LANDSCAPE LEGEND

(54T)



MULCH





LANDSCAPE BOULDER

<u>ABBREVIATIONS</u>

FINISHED FLOOR ELEVATION BASEMENT FLOOR FLEVATION GARAGE FLOOR ELEVATION FINISHED GRADE TOP OF ASPHALT TOP OF CONCRETE/CURB TOP OF WALK TOP OF PIPE BOTTOM OF PIPE FLOW LINE RIM ELEVATION (AT FLOW LINE) INVERT ELEVATION MANHOLE CATCH BASIN REAR YARD YARD DRAIN FLARED END SECTION CORRUGATED METAL PIPE CORRUGATED PLASTIC PIPE REINFORCED CONCRETE PIPE HIGH DENSITY POLYETHYLENE POLYVINYL CHLORIDE DUCTILE IRON PIPE GATE VALVE GATE VALVE IN WELL GATE VALVE IN BOX FIRE DEPARTMENT CONNECTION UTILITY POLE NOT FIELD VERIFIE TO BE REMOVED

LIVINGSTON COUNTY RECORDS

MEASURED AND RECORD

POINT OF BEGINNING

SYMBOL LEGEND

CANOPY MOUNTED LIGHT FIXTURE

STORM DRAINAGE FLOW ↓ GUY WIRE -∽ POWER POLE TRANSFORMER PAD ELECTRICAL RISER E U.G. ELECTRIC MARKER ELECTRICAL METER

AIR CONDITIONING UNIT TELEPHONE RISER U.G. TELEPHONE MARKER G GAS RISER U.G. GAS MARKER GAS METER

MB MAILBOX WELL

W WATER MANHOLE Ø GATE VALVE (EXISTING) GATE VALVE (PROPOSED)

→ HYDRANT (PROPOSED) ☐ CATCH BASIN (EXISTING)

CATCH BASIN (PROPOSED)

(END SECTION (EXISTING) END SECTION (PROPOSED)

-ф- TRAFFIC SIGN

SOIL BORING STEEL ROD OR PIPE FOUND

BENCHMARK

HANDICAP SYMBOL LIGHT POLE



ΙΝΙ 0

EN

0

CABLE TV RISER U.G. CABLE TV MARKER

-X HYDRANT (EXISTING)

O STORM MANHOLE (EXISTING)

STORM MANHOLE (PROPOSED)

SANITARY MANHOLE (EXISTING) SANITARY MANHOLE (PROPOSED)

PC PUMP CHAMBER

SIGN (PROPOSED)

O STEEL ROD SET □ WOOD LATH SET ☐ HUB SET

MONUMENT FOUND SECTION CORNER GP GAS PUMP ANTENNA

(XX) SATELLITE DISH MP NEWSPAPER BOX PM PARKING METER PHONE BOOTH

11/29/23

JOB NO: **23-265**

MJD

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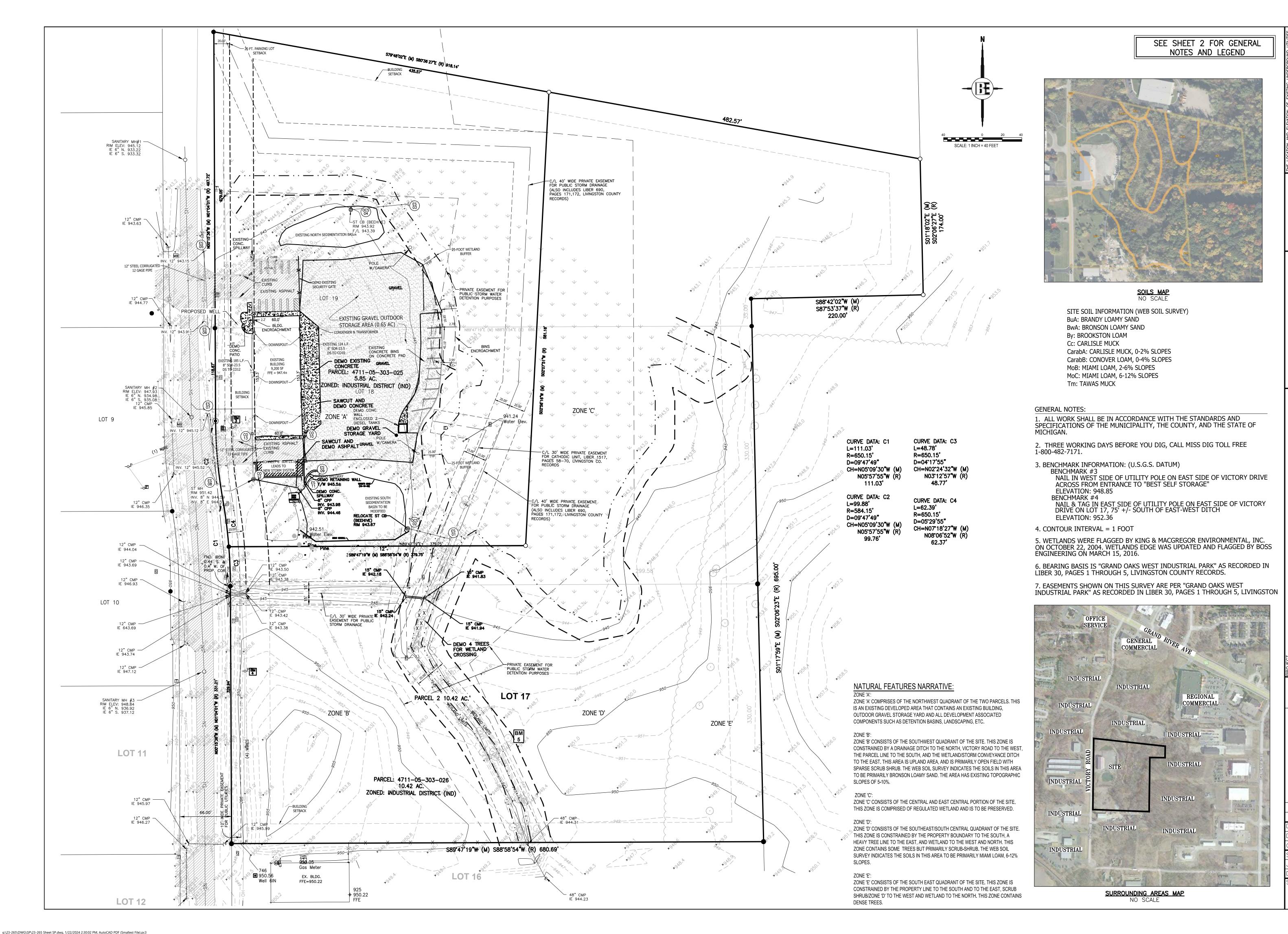
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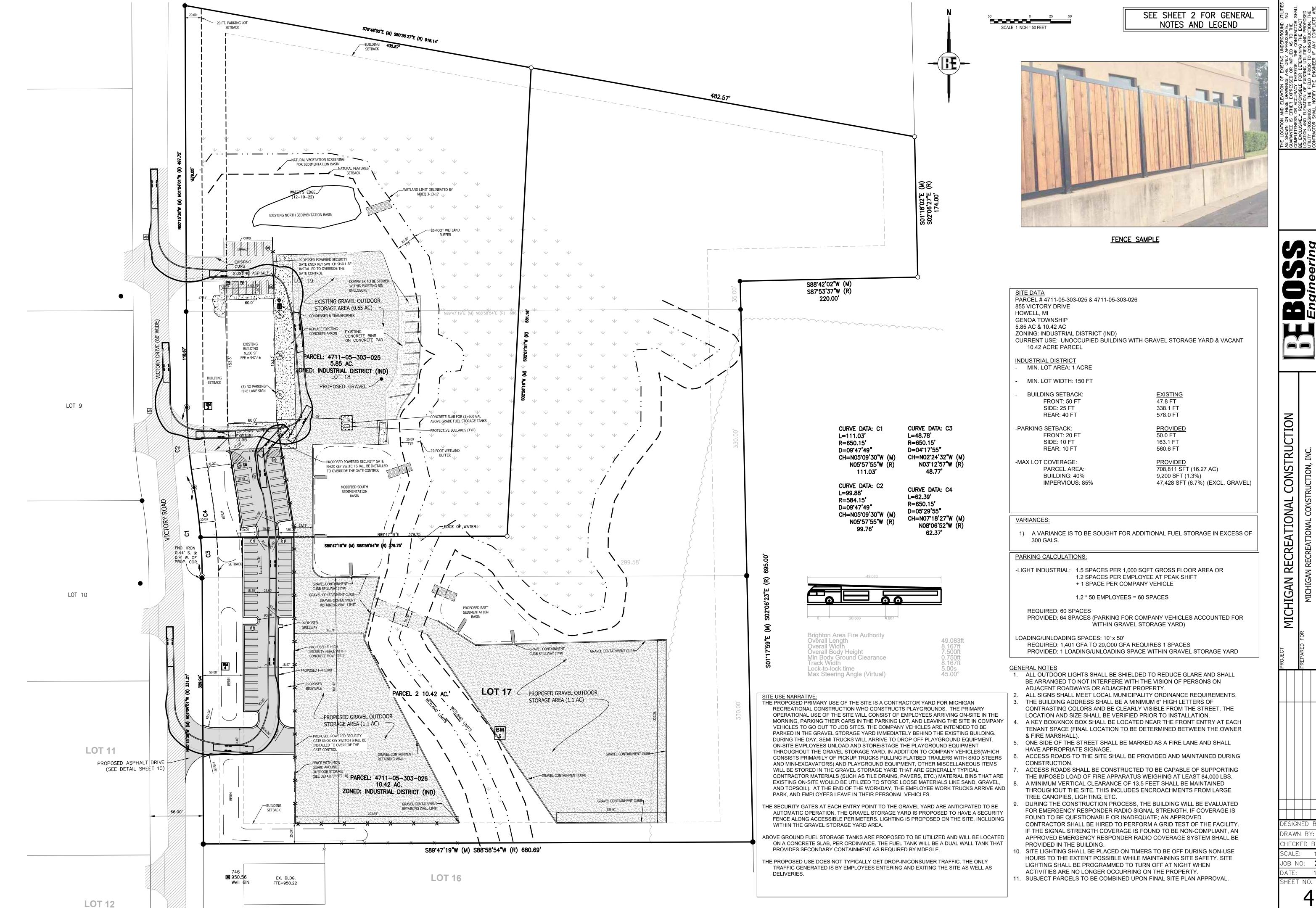
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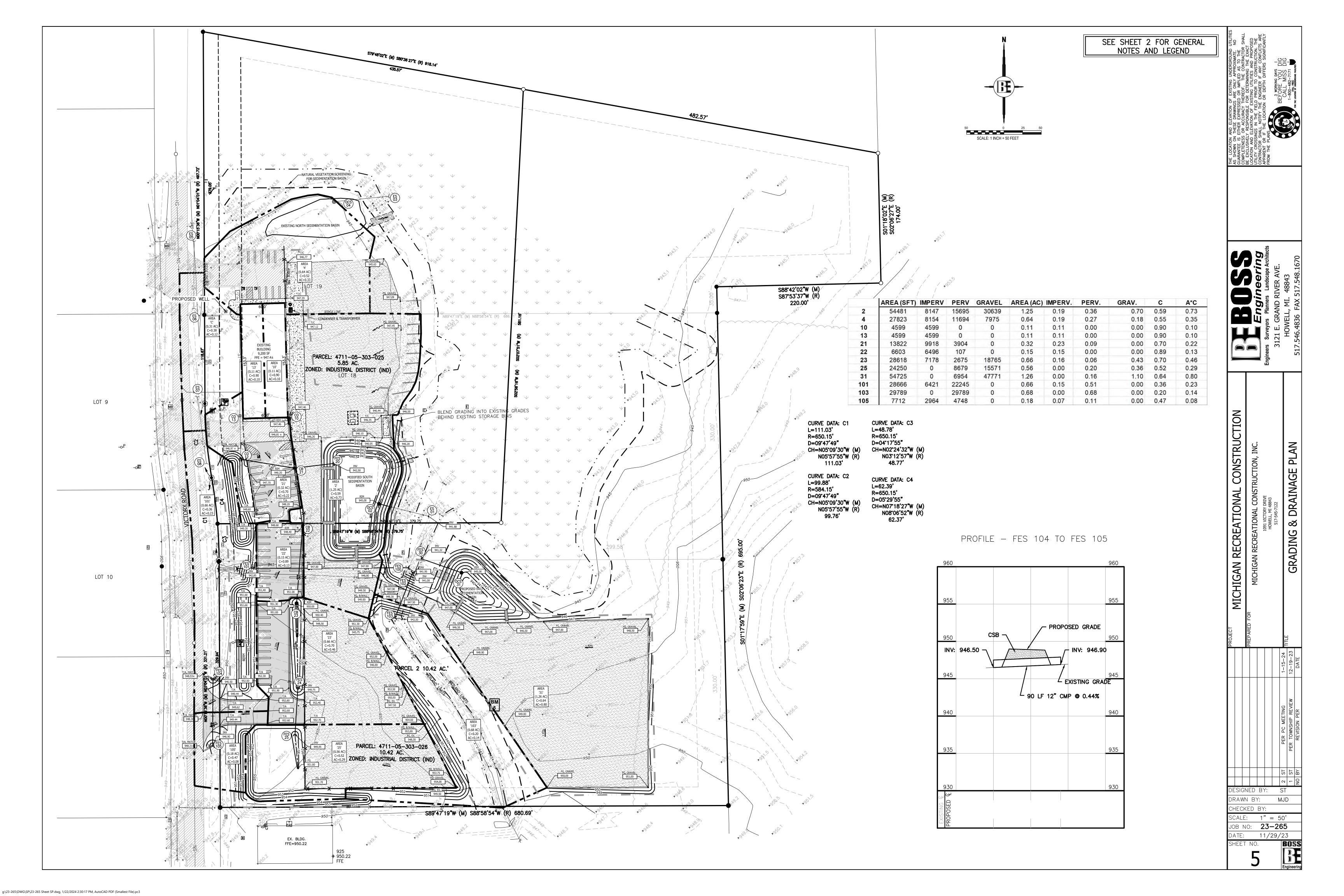


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LIVINGSTON COUNTY SOIL EROSION PERMIT TEMPLATE TEMPORARY CONTROLS AND SEQUENCE

NOTIFY LIVINGSTON COUNTY DRAIN COMMISSIONER'S OFFICE 24 HOURS PRIOR TO START OF GRADE WORK. IN ACCORDANCE WITH PUBLIC ACT NO. 53, OF 1974 THE PERMIT HOLDER SHALL CALL MISS DIG FOR STAKING AND LOCATING OF UTILITIES, AT LEAST 72 HOURS IN ADVANCE OF THE START OF ANY WORK. PERMITTING STANDARDS

(IMPORTANT NOTICE) RETENTION/DETENTION PONDS SHALL BE EXCAVATED, TOPSOILED, SEEDED, MULCHED AND TACKED PRIOR TO THE START OF MASSIVE EARTH DISRUPTION. INGRESS/EGRESS MUST HAVE LARGE CRUSHED ROCK TO REDUCE THE TRACKING OF SOIL ONTO THE PUBLIC TRAFFIC AREAS. SEE DETAIL ITEMS BELOW.

36" M.D.O.T SPECIFICATION TYPE SILT FABRIC FENCE AS SHOWN ON PLANS SHALL BE PLACED AND MAINTAINED ALONG PERIMETER ON ALL LOW LYING AREAS OF THE CONSTRUCTION SITE TO FILTER RUNOFF BEFORE LEAVING PROJECT SITE.

ALL TEMPORARY EROSION CONTROL DEVICES AS NOTED ON PLANS SHALL BE INSTALLED PRIOR TO THE START OF MASSIVE EARTH

PLAN DOES DENOTE A DETAILED EROSION CONTROL DEVICE TO RESTRICT TRACKING OF MATERIAL ONTO THE HIGHWAY. STONE DIAPERS SHALL BE INSTALLED AT ALL INGRESS/EGRESS AREAS OF THE SITE PRIOR TO THE START OF MASSIVE FARTH DISRUPTION. DIAPERS SHALL BE OF CRUSHED STONE AND SHALL HAVE A MINIMUM LENGTH OF 100'

7. RETENTION/DETENTION/SEDIMENTATION PONDS SHALL BE EXCAVATED,

RETENTION PONDS

TOPSOILED, SEEDED, MULCHED AND TACKED PRIOR TO THE START OF MASSIVE EARTH DISRUPTION. DETENTION POND OUTLETS SHALL BE OF THE STANDPIPE AND STONE FILTER SYSTEM, WITH TRASH SCREEN. OUTLET FLOW SHALL NOT EXCEED 0.20 CUBIC FEET OF WATER PER SECOND/PER ACRE. POND DIKES SHALL HAVE A MINIMUM OF ONE (1) FOOT OF FREEBOARD. AN EMERGENCY SPILLWAY SHALL BE CONSTRUCTED WITHIN THE FREEBOARD LEVEL. THE EMERGENCY SPILLWAY FROM THE DETENTION POND SHALL BE SODDED AND PEGGED, OR RIP RAPPED, 15 FEET PAST THE TOE OF THE

SLOPE OF THE BERM. 10. DIKES AND BERMS SHALL BE FREE OF ALL ORGANIC MATTER. 11. RETENTION/DETENTION PONDS SHALL BE FENCED WITH A 4' CHAIN LINK FENCE, INCLUDING A 12' ACCESS GATE FOR MAINTENANCE UNLESS MINIMUM 5 FT. HORIZONTAL TO 1 FT. VERTICAL SIDE SLOPES ARE PROVIDED. THE FENCE SHALL BE INSTALLED AT THE OUTER PORTION OF THE BERM, TO ALLOW FOR MAINTENANCE WORK TO BE DONE INSIDE THE FENCE. ALL UNIMPROVED DISTURBED AREAS SHALL BE STRIPPED OF TOPSOIL WHICH WILL BE STORED ONSITE DURING THE EXCAVATING STAGE. TOPSOIL PILES SHALL BE SEEDED AND MULCHED, OR MATTED WITH STRAW IN THE NON-GROWING SEASON, IMMEDIATELY AFTER THE STRIPPING PROCESS IS COMPLETED. TO PREVENT WIND AND WATER EROSION. 13. SOIL EROSION CONTROLS SHALL BE MONITORED DAILY BY THE

SLOPES AND DITCHES

ON SITE DITCHES SHALL BE OF THE FLAT BOTTOM TYPE MINIMUM WIDTH OF 2' WITH A MINIMUM OF 3 HORIZONTAL TO 1 VERTICAL SIDE

ON-SITE ENGINEER, OR CONTRACTOR, WHICHEVER CASE APPLIES.

15. DITCHES WITH STEEP SLOPES WILL NEED FLOW CHECKS TO PREVENT SCOURING OF THE DITCH BOTTOM. THESE SHALL BE INSTALLED AS DIRECTED BY THE ENGINEER OR INSPECTOR. 16. SLOPES IN EXCESS OF 3 HORIZONTAL TO 1 VERTICAL SHALL NOT BE USED EXCEPT WITH A MECHANICAL DEVICE SUCH AS A RETAINING WALL, TERRACING, OR OTHER PRIOR APPROVED DEVICE.

ALL STORM WATER STRUCTURES, CATCH BASINS AND/OR MANHOLES, IF BLOCK, SHALL BE PLASTERED ON BOTH THE INSIDE AND OUTSIDE OF THE STRUCTURES. GROUTING AND POINTING WILL BE NECESSARY AT THE CASTING AND STRUCTURE JOINT TO PREVENT LEAKAGE AND THE RESULTING SOIL MOVEMENT, AROUND THE STRUCTURE.

STORM WATER INLETS SHALL HAVE AS A TEMPORARY CONTROL A STRAW BALE BARRIER AND STONE FILTER INSTALLED AROUND THE INLET DURING CONSTRUCTION. AS AN ALTERNATIVE TO THE STRAW BALE BARRIER, A BURLAP AND PEA STONE FILTER MAY BE USED. THREE LAYERS OF BURLAP FIBER AND A FILTER OF PEA STONE MINIMUM 1 FT. IN DEPTH CAN BE USED. DUE TO THE POROSITY OF THE BURLAP FILTER THE MINIMUM OF 1 FT. OF STONE IS VERY IMPORTANT. THE CONTROL SHALL BE INSTALLED AS SOON AS THE STRUCTURE IS BUILT AND INSPECTED DAILY. BURLAP AND PEA STONE FILTERS WILL NEED TO BE CHANGED AFTER EACH RAINFALL. COUNTY CODE REQUIRES A MINIMUM PIPE SIZE OF 12" IN DIAMETER.

IF SMALLER PIPE IS NEEDED FOR OUTLET PURPOSES THE 12" CAN BE BAFFLED TO THE CORRECT SIZE. ALL PIPE SHALL MEET THE 12" 21. ALL STORM DRAIN OUTLETS 15" IN DIAMETER OR LARGER SHALL HAVE ANIMAL GUARDS INSTALLED TO PREVENT ENTRANCE TO THE SYSTEM.

ALL STORM DRAINAGE PIPE 30" IN DIAMETER OR LARGER SHALL BE POINTED, AT THE JOINTS ON THE INSIDE WITH MORTAR, AFTER BACKFILLING. 23. ALL STORM DRAIN OUTLETS THAT DO NOT EMPTY INTO THE RETENTION/DETENTION POND SHALL HAVE A TEMPORARY 5'X10'X3' SUMP INSTALLED AT THE TERMINATION OF THE STORM SEWER. UPON COMPLETION OF THE STABILIZATION WORK THE SUMP AREA SHALL BE FILLED AND RIP RAPPED WITH COBBLE STONE. SILT TRAPS SHALL BE INSPECTED AFTER EACH STORM.

STORM WATER OUTLETS DO DENOTE RIP RAP. ALL OUTLETS

SHALL BE RIP RAPPED OVER KEYED FILTER FABRIC WITH A MINIMUM OF 15 SQ. YARDS OF 6" OR LARGER COBBLE STONE. RIP RAP AS NOTED ON THE PLAN SHALL BE OF A FUNNEL SHAPE CONSTRUCTION, WIDTH SHALL INCREASE AS DISTANCE FROM THE OUTLET POINT INCREASES AT A 3:1 RATIO. RIP RAP SHALL BE OF COBBLE STONE, 6" IN DIAMETER OR LARGER. GROUTING MAY BE NECESSARY, AND SHALL BE A MINIMUM OF 6" IN DEPTH WITH THE COBBLE SET IN THE CEMENT SLURRY. STORM WATER OUTLET IS IN NEED OF A SPLASH BLOCK WHICH IS NOT NOTED ON THE PLAN. INSTALL SPLASH BLOCK IF SLOPE OF THE PIPE IS

4% OR GREATER. IT WILL BE NECESSARY FOR THE DEVELOPER TO HAVE THE STORM DRAINAGE LINES CLEANED PRIOR TO FINAL INSPECTION BY THE LIVINGSTON COUNTY DRAIN COMMISSIONER'S OFFICE. IF REQUIRED, THIS WORK SHALL BE DONE BY A PROFESSIONAL SEWER CLEANING FIRM AND CERTIFIED IN WRITING BY THE PROJECT ENGINEER. ALL SUMPS AND TEMPORARY SILT TRAPS SHALL ALSO BE CLEANED AT THIS TIME.

STABILIZATION

ALL UNIMPROVED DISTURBED AREAS SHALL BE RE-TOP SOILED, WITH A MINIMUM OF 3" OF MATERIAL, SEEDED, MULCHED AND TACKED WITHIN 15 DAYS OF THE COMPLETION OF THE MASSIVE EARTH DISRUPTION. IN THE NON-GROWING SEASON STRAW MATTING WILL SUFFICE. HYDROSEEDING WILL BE AN ACCEPTABLE ALTERNATE FOR MULCHING. EXTREME CARE SHOULD BE EXERCISED IN SPRING AND FALL PERIODS AS A FROST WILL BREAK THE BIND OF THE HYDROSEEDING, WHICH WILL AFFECT THE EFFECTIVENESS OF THIS PROCEDURE. IN THE NON-GROWING SEASON, TEMPORARY STABILIZATION OF MASSIVELY EXPOSED AREAS FOR WINTER STABILIZATION SHALL BE DONE WITH STRAW MATTING.

1. PERIODIC INSPECTIONS WILL BE MADE THROUGHOUT THE COURSE OF THE PROJECT. IT WILL BE THE RESPONSIBILITY OF THE MANAGERS OF HE PROJECT TO CONTACT THIS OFFICE FOR THE FINAL INSPECTION AT THE END OF THE PROJECT. THIS COMMERCIAL PERMIT IS VALID FOR THE MASS EARTH MOVEMENT, THE INSTALLATION OF ROADS, DRAINS, AND UTILITIES AND IS NOT FOR ANY SINGLE FAMILY RESIDENCE. ALL RESIDENTIAL BUILDERS WILL NEED TO SECURE WAIVERS AND OR PERMITS AS NECESSARY FOR EACH LOT IN THIS DEVELOPMENT AT THE TIME APPLICATION FOR SINGLE FAMILY

THE ISSUING BUILDING DEPARTMENT SHALL NOT ISSUE THE CERTIFICATE OF OCCUPANCY UNTIL THE FINAL INSPECTION LETTER FROM THE LIVINGSTON COUNTY DRAIN COMMISSIONER'S OFFICE HAS BEEN

34. PER THE LIVINGSTON COUNTY DRAIN COMMISSIONER THE SEEDING, FERTILIZER AND MULCH MINIMUM QUANTITIES SHALL BE AS FOLLOWS: 3" IN DEPTH 218 LBS. PER ACRE 150 LBS. PER ACRE 3" IN DEPTH 1.5 TO 2 TONS PER ACRE (ALL

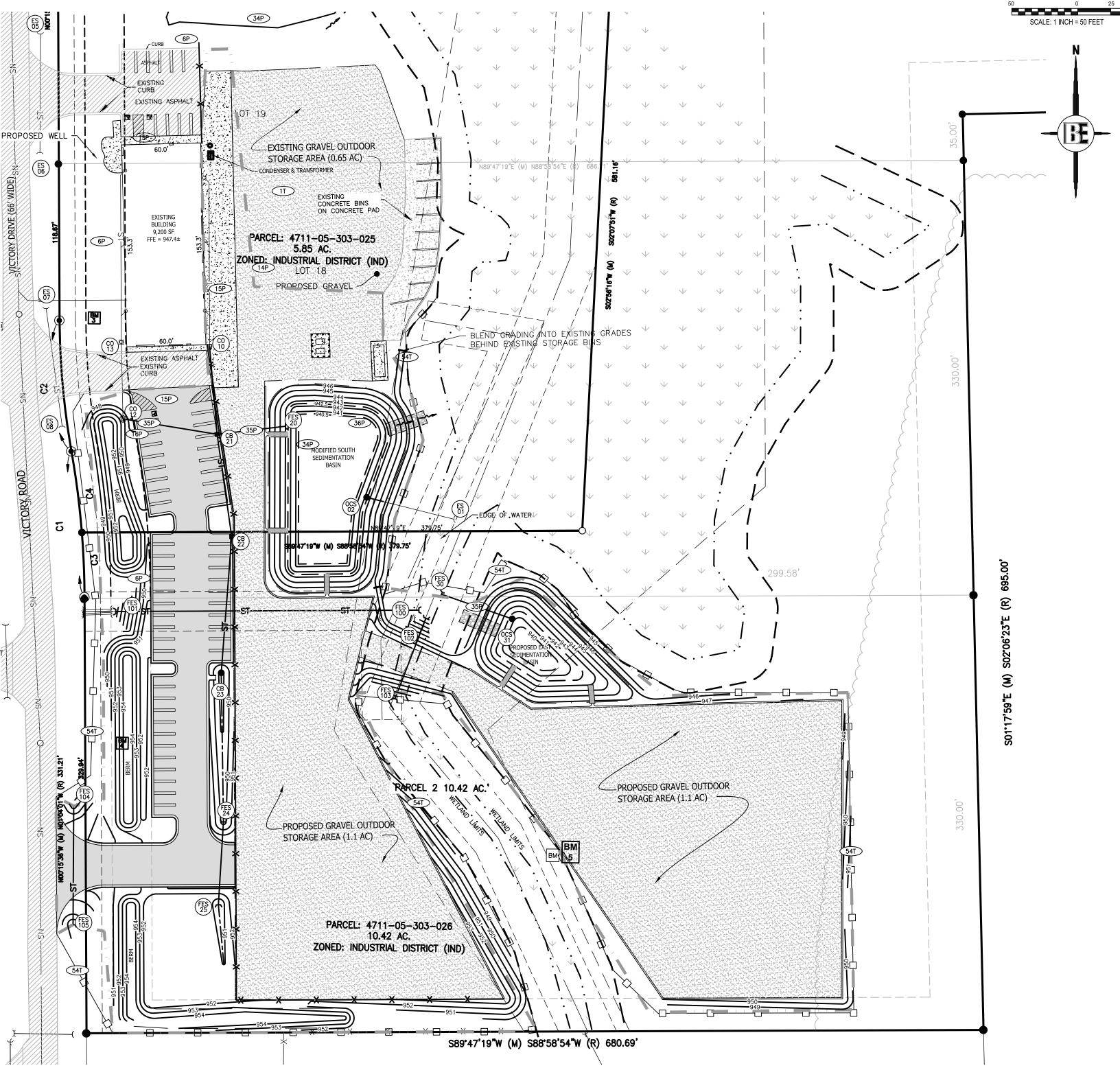
STRAW MULCH MULCHING MUST HAVE A TIE DOWN, SUCH AS TACKIFIER, NET BINDING, ETC.) HYDRO-SEEDING HYDRO-SEEDING IS NOT ACCEPTABLE FOR SLOPES EXCEEDING 1%, IN SUCH CASES STABILIZATION SHALL E DONE WITH SEED AND STRAW MULCH WITH A

MAINTENANCE SCHEDULE FOR SOIL EROSION CONTROLS

1. SILT FENCE SHALL BE INSPECTED WEEKLY AND AFTER EACH MAJOR STORM EVENT. MAINTENANCE SHALL INCLUDE REMOVAL OF ACCUMULATED SILT AND REPLACEMENT OF TORN SECTIONS. SILT FENCE SHALL BE REMOVED WHEN ALL CONTRIBUTING AREAS HAVE BEEN STABILIZED. TRACKING PAD SHALL BE INSPECTED MONTHLY FOR ACCUMULATED DIRT. TRACKING PAD SHALL BE REPLACED WHEN THE STONES ARE CHOKED WITH DIRT. TRACKING PAD SHALL BE REMOVED IMMEDIATELY PRIOR TO THE FIRST COURSE OF ASPHALT BEING LAID. DETENTION/RETENTION POND SHALL BE INSPECTED QUARTERLY ON A PERMANENT BASIS. MAINTENANCE SHALL INCLUDE SEDIMENT REMOVAL, EMBANKMENT STABILIZATION AND MAINTAINING THE OUTLET STRUCTURE IN GOOD CONDITION. NO TREES SHALL BE ALLOWED TO GROW ON THE EMBANKMENT. CATCH BASINS SHALL BE INSPECTED ANNUALLY FOR ACCUMULATION OF SEDIMENT. ALL SEDIMENT MUST BE REMOVED AND DISPOSED OF PROPERLY WHEN THE SUMP IS FULL. COMMON AREAS SHALL BE STABILIZED NO LATER THAN 15 DAYS

SILT FENCE SHALL BE A MINIMUM 36".

AFTER GRADE WORK, PURSUANT TO RULE 1709 (5).



SEE SHEET 2 FOR GENERAL NOTES AND LEGEND

SOIL EROSION CONTROL MEASURES

1	STRIPPING & STOCKPILING TOPSOIL	TOPSOIL MAY BE STOCKPILED ABOVE BORROW AREAS TO ACT AS A DIVERSION STOCKPILE SHOULD BE TEMPORARILY SEEDED
6	SEEDING WITH MULCH AND/OR MATTING	FACILITATES ESTABLISHMENT OF VEGETATIVE COVER EFFECTIVE FOR DRAINAGEWAYS WITH LOW VELOCITY EASILY PLACED IN SMALL QUANTITIES BY INEXPERIENCED PERSONNEL SHOULD INCLUDE PREPARED TOPSOIL BED
8	SODDING	PROVIDES IMMEDIATE PROTECTION CAN BE USED ON STEEP SLOPES WHERE SEED MAY BE DIFFICULT TO ESTABLISH EASY TO PLACE, MAY BE REPAIRED IF DAMAGED SHOULD INCLUDE PREPARED TOPSOIL BED
12	COMPACTION	HELPS HOLD SOIL IN PLACE, MAKING EXPOSED AREAS LESS VULNERABLE TO EROSION
13	RIP-RAP, RUBBLE, GABIONS	USED WHERE VEGETATION IS NOT EASILY ESTABLISHED EFFECTIVE FOR HIGH VELOCITIES OR HIGH CONCENTRATIONS PERMITS RUNOFF TO INFILTRATE SOIL DISSIPATES ENERGY FLOW AT SYSTEM OUTLETS
14	AGGREGATE COVER	STABILIZES SOIL SURFACE, THUS MINIMIZING EROSION PERMITS CONSTRUCTION TRAFFIC IN ADVERSE WEATHER MAY BE USED AS PART OF PERMANENT BASE CONSTRUCTION OF PAVED AREAS
15	PAVING	PROTECTS AREAS WHICH CANNOT OTHERWISE BE PROTECTED, BUT INCREASES RUNOFF VELOCITY IRREGULAR SURFACE WILL HELP SLOW VELOCITY
16	CURB & GUTTER	KEEPS HIGH VELOCITY RUNOFF ON PAVED AREAS FROM LEAVING PAVED SURFACE COLLECTS AND CONDUCTS RUNOFF TO ENCLOSED DRAINAGE SYSTEM OR PREPARED DRAINAGEWAY
24	GRASSED WATERWAY	MUCH MORE STABLE FORM OF DRAINAGEWAY THAN BARE CHANNEL GRASS TENDS TO SLOW RUNOFF AND FILTER OUT SEDIMENT USED WHERE BARE CHANNEL WOULD BE ERODED
33	SEDIMENT TRAP	MAY BE CONSTRUCTED OF A VARIETY OF MATERIALS TRAPS SEDIMENT AND REDUCES VELOCITY OF FLOW CAN BE CLEANED AND EXPANDED AS NEEDED
34	SEDIMENT BASIN	TRAPS SEDIMENT RELEASES RUNOFF AT NON-EROSIVE RATES CONTROLS RUNOFF AT SYSTEM OUTLETS CAN BE VISUAL AMENITIES
35	C.B. STORM SEWER C.B.	SYSTEM REMOVES COLLECTED RUNOFF FROM SITE, PARTICULARLY FROM PAVED AREAS CAN ACCEPT LARGE CONCENTRATIONS OF RUNOFF CONDUCTS RUNOFF TO MUNICIPAL SEWER SYSTEM OR STABILIZED OUTFALL LOCATION USE CATCH BASINS TO COLLECT SEDIMENT
36	CATCH BASIN, DRAIN INLET	COLLECTS HIGH VELOCITY CONCENTRATED RUNOFF MAY USE FILTER CLOTH OVER INLET
40	INLET SEDIMENT FILTER	EASY TO SHAPE COLLECTS SEDIMENT MAY BE CLEANED AND EXPANDED AS NEEDED
54	SILT FENCE	uses geotextile fabric and post or poles. Easy to construct and locate . As necessary. (See Detail This Sheet)
T=	TEMPORARY,	P= PERMANENT

TOTAL DISTURBED AREA = 4.71 AC.

CONSTRUCTION SEQUENCE

THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT EROSION IS MINIMIZED AND THAT COMPLIANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS, REGULATIONS, AND ORDINANCES IS MAINTAINED THROUGHOUT EXECUTION OF THIS

INSTALL SILT FENCE AS SHOWN ON PLANS. ROUGH GRADE AND INSTALL STORM DRAINAGE INSTALL INLET PROTECTION ON STORM INLETS.

INSTALLATION OF GRAVEL AND FENCE STORAGE YARD INSTALL CURB & GUTTER AND PAVEMENT 30 DAYS 4 DAYS FINE GRADE AROUND BUILDING, SPREAD TOPSOIL, SEED OR SOD AS APPLICABLE.

REMOVE ALL EROSION CONTROL STRUCTURES. REMOVE ACCUMULATED SILT FROM ALL EXISTING DRAINAGE.

				201	ITROL	 _S	&
					CTIVITY		

CONTROLS & MEASURES POST CONSTRUCTION SEQUENCE						
ACTIVITY	WEEKLY	MONTHLY	AS REQUIRED			
MAINTAIN LANDSCAPING, REPLACE MULCH	Х	Х	X			
CLEAN INLETS		X	Х			
COLLECT LITTER	Х		Х			
SWEEP PARKING LOT		X	X			

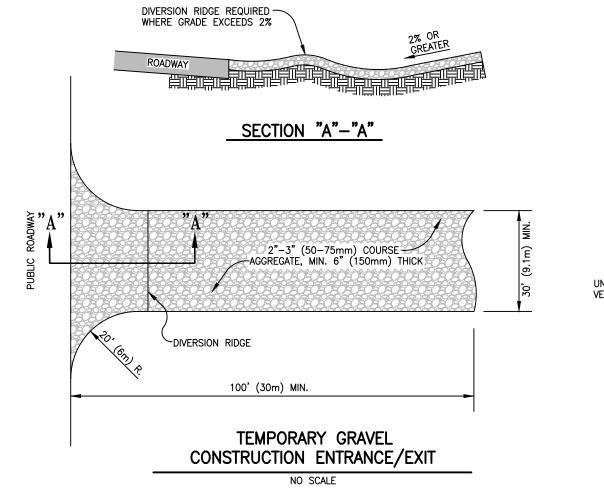
: MEASURES NARRATIVE DESCRIPTION MAINTAIN COLLECT GRASS, TREE, AND SHRUB LANDSCAPING CLIPPINGS. DISPOSE IN APPROVED REPLACE MULCH CONTAINER. REPLACE DEAD SOD, TREES AND SHRUBS. REMOVE LITTER, SEDIMENT, AND CLEAN INLETS DEBRIS. DISPOSE OF IN APPROVED LANDFILL. COLLECT LITTER DISPOSE OF WITH INLET DEBRIS. REMOVE MUD, DIRT, GREASE AND SWEEP PARKING LO OIL WITH PERIODIC SWEEPING SPRINKLE WATER AS NEEDED DUST CONTROL

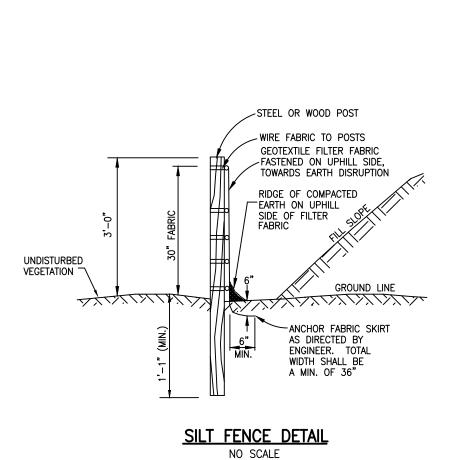
PROPOSED CONST. SCHEDULE

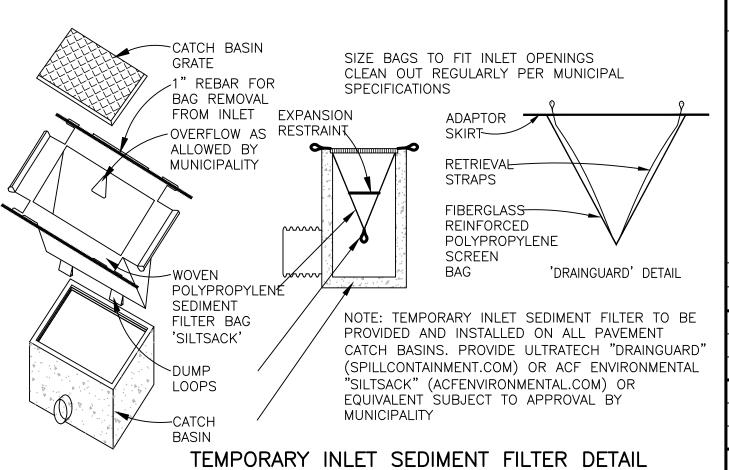
FOR THE YEAR 2024								
ACTIVITY	APRIL	MAY	JUNE	JULY	AUG	SEPT		
DEMO & CLEAR	_							
MASS GRADING								
UNDERGROUND UTILITY								
FINAL GRADING								
SEED & MULCH								

CLIDEACE	VA/AT	ED 6	- 00	VI INITY	DDAING	•
SURFACE	<u>wai</u>	<u>er c</u>	<u> </u>	<u>TIPIUC</u>	DRAINS	2
WETLAND -	. ON	SITE				_
MEIDAND -	OIN	SIIL				
11 41/50				005 5	LIODELL	

LAKES - APPROXIMATELY 3,865 FT NORTH TO EARL LAKE STREAMS - APPROXIMATELY 5,540 FT SOUTH TO MARION & GENOA DRAIN **BASINS** - ON SITE DRAINS — GENOA DRAIN 14, PART OF THE MARION—GENOA DRAIN PONDS — APPROXIMATELY 1,635 FT NORTHWEST AT 2900 E GRAND RIVER







(NO SCALE)

JOB NO: **23-265**

RAWN BY:

CALE:

HECKED BY:

MJD

1" = 50'

11/29/23

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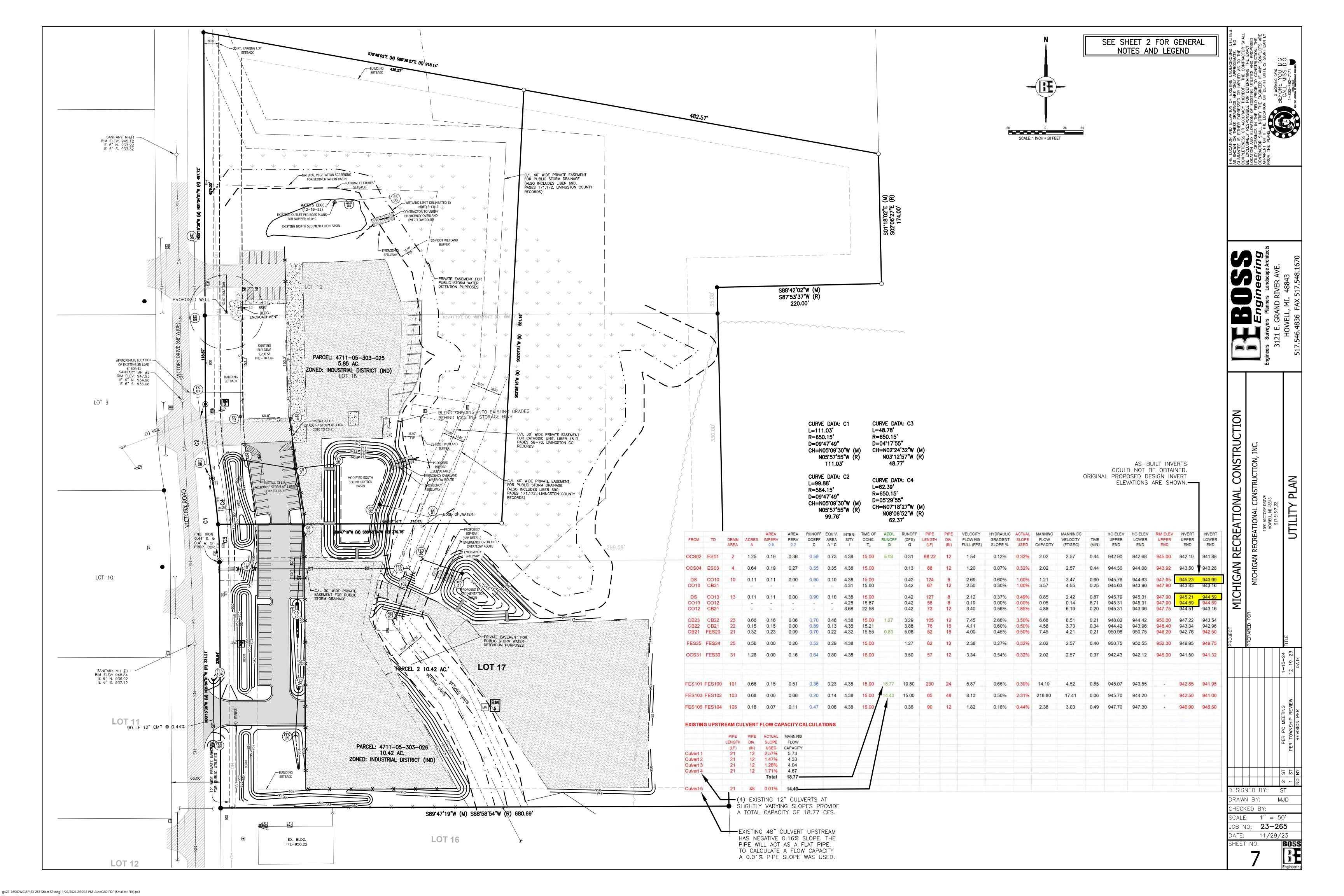
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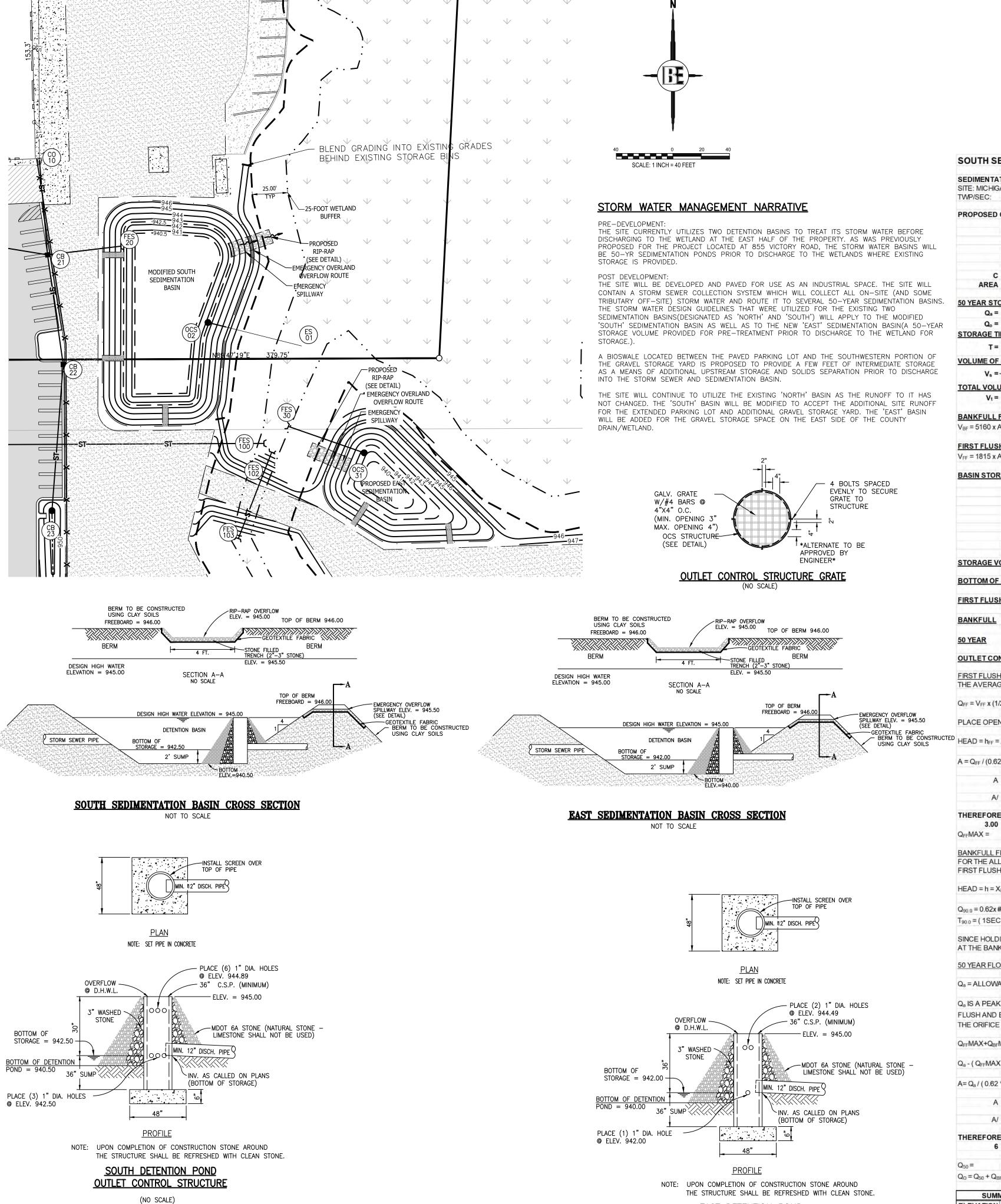
SEDIMENT,

SOIL



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EAST DETENTION POND

OUTLET CONTROL STRUCTURE

(NO SCALE)

SEDIMENTATION POND 50-YEAR SITE: MICHIGAN RECREATIONAL TWP/SEC: GENOA TWP.		TION	DATE: DESIGN:	12/15/2023 MJD	
PROPOSED CONDITIONS					
AREA	IMPERV- FACTOR	ACRE-IMPERV			
0.94 1.49	0.9	0.85 1.04			
0.71	0.2	0.14			
C COMPOUND C: AREA TOTAL DRAINAGE A	AREA:		0.65 3.14	AC	
50 YEAR STORM			311.5		
Qa = MAX. ALLOWOUTF	LOW (0.1CF	S/ACRE)=		0.31	CFS
Q _o = Q _a / (AREA x C) = STORAGE TIME (ORIFICE OUTLE	<u>T</u>)			0.15	CFS/ACRE IMPERVIOU
T = -25+sqrt (9187.5/Q _o)	=			218.70	MIN
VOLUME OF STORAGE PER ACE	40.00	<u>ous</u>		44000.64	OF A ODE IMPERIVIOUR
V _s = T+25 TOTAL VOLUME OF STORAGE R	40*Q _o *T EQUIRED			11838.64	CF/ACRE IMPERVIOUS
V _t = V _s x AREA x C				24063	CF
BANKFULL FLOOD VOLUME					
V _{BF} = 5160 x A x C=	10488	CF			
FIRST FLUSH VOLUME	9000	CE			
V _{FF} = 1815 x A x C=	3689	OI'			
BASIN STORAGE PROVIDED ELEV	AREA	VOLUME	TOTAL VOLUME		
946 945	13875 12091	12983 11250	38074 25091		RD VOLUME GH WATER
944 943	10408 8826	9617 4225	13842 4225	71.23.3	
942.5 941.5	8072 6646	0	0	воттом о	F STORAGE
940.5	5310				
STORAGE VOLUME	=	25091	CF		
BOTTOM OF STORAGE	15	942.50			
FIRST FLUSH	X _{FF} =	942.94			
BANKFULL	X _{BF} =	943.65			
50 VEAD	Y	944.91			
50 YEAR OUTLET CONTROL STRUCTURE	X ₅₀ =	944.91			
		- CITIONOTTIO	0.5" OVER AREA OF S	TE IN 24 HR	S.
Q _{FF} = V _{FF} x (1/24HRS) x (1HR/3600S				TE IN 24 HR	
PLACE OPENINGS IN STANDPIPE	AT BOTTO		0.043	CFS	942.50
PLACE OPENINGS IN STANDPIPE HEAD = $h_{FF} = X_{FF} - BOTTOM BASIN$	AT BOTTO		0.043	CFS	
PLACE OPENINGS IN STANDPIPE	AT BOTTO		0.043	CFS	
PLACE OPENINGS IN STANDPIPE HEAD = $h_{FF} = X_{FF} - BOTTOM BASIN$	AT BOTTO		0.043 0.44 0.013	CFS	
PLACE OPENINGS IN STANDPIPE HEAD = $h_{FF} = X_{FF} - BOTTOM BASIN$ $A = Q_{FF} / (0.62 \times (2 \times 32.2 \times h_{FF})^{0.5}) =$	AT BOTTO	M OF BASIN =	0.043 0.44 0.013	CFS FT FT ²	942.50
PLACE OPENINGS IN STANDPIPE HEAD = h_{FF} = X_{FF} - BOTTOM BASIN A = Q_{FF} / $(0.62 \times (2 \times 32.2 \times h_{FF})^{0.5})$ = A 1 A/ 0.0055 THEREFORE, USE THE FOLLOW	AT BOTTO	M OF BASIN = METER ORIFICE HA 2.38 ER OF	0.043 0.44 0.013	FT FT ² 0.0055	942.50
PLACE OPENINGS IN STANDPIPE HEAD = h_{FF} = X_{FF} - BOTTOM BASIN A = Q_{FF} / (0.62 x (2 x 32.2 x h_{FF}) ^{0.5}) = A 1 A/ 0.0055 THEREFORE, USE THE FOLLOW 3.00 HOLES,	AT BOTTO	M OF BASIN = METER ORIFICE HA 2.38 ER OF	0.043 0.44 0.013 AS AN AREA OF	FT FT ² 0.0055	942.50 SF
PLACE OPENINGS IN STANDPIPE HEAD = $h_{FF} = X_{FF} - BOTTOM BASIN$ $A = Q_{FF} / (0.62 \times (2 \times 32.2 \times h_{FF})^{0.5}) =$ $A = \frac{1}{A} / 0.0055$ THEREFORE, USE THE FOLLOW 3.00 HOLES, $Q_{FF}MAX = 0.126$ BANKFULL FLOOD	INCH DIAM	M OF BASIN = METER ORIFICE HA 2.38 ER OF 942.50	0.043 0.44 0.013 AS AN AREA OF 1	FT FT ² 0.0055	942.50 SF ETER HOLES
PLACE OPENINGS IN STANDPIPE HEAD = $h_{FF} = X_{FF} - BOTTOM BASIN$ $A = Q_{FF} / (0.62 \times (2 \times 32.2 \times h_{FF})^{0.5}) =$ $A = \frac{1}{A} / 0.0055$ THEREFORE, USE THE FOLLOW 3.00 HOLES, $Q_{FF}MAX = 0.126$	INCH DIAM	M OF BASIN = METER ORIFICE HA 2.38 ER OF 942.50 4-40 HOURS, CHE	0.043 0.44 0.013 AS AN AREA OF 1 CK THE DISCHARGE T	FT FT ² 0.0055	942.50 SF ETER HOLES
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PLACE OPENINGS IN STANDPIPE HEAD = h _{FF} = X _{FF} - BOTTOM BASIN A = Q _{FF} / (0.62 x (2 x 32.2 x h _{FF}) ^{0.5}) = A 1 A/ 0.0055 THEREFORE, USE THE FOLLOW 3.00 HOLES, Q _{FF} MAX = 0.126 BANKFULL FLOOD FOR THE ALLOWABLE RELEASE FIRST FLUSH ORIFICE TO SEE IF, HEAD = h = X _{BF} - BOTTOM OF BASIN Q _{90.0} = 0.62x #HOLES x (AREA EAC T _{90.0} = (1SEC / Q _{90.0}) x V _{BF} x (1HR SINCE HOLDING TIME IS LESS TH AT THE BANKFULL ELEVATION 50 YEAR FLOOD Q ₈ = ALLOWABLE RELEASE RATION Q ₈ IS A PEAK OR MAXIMUM FLOV FLUSH AND BANKFULL ORIFICES THE ORIFICE SIZE TO RELEASE TO Q _{FF} MAX+Q _{BF} MAX = Q _a - (Q _{FF} MAX + Q _{BF} MAX) =	INCH DIAM INCH HOLE	M OF BASIN = METER ORIFICE HA 2.38 ER OF 942.50 4-40 HOURS, CHE L HOLES ARE NEO x (2 x 32.2 x h) ^{0.5} = I = ADDITIONAL ORIFI TE IN ACRES= TE THE MAXIMUM E TOTAL HEAD, A RR STORM VOLUM	0.043 0.044 0.013 AS AN AREA OF 1 CK THE DISCHARGE TO DESSARY. 1.15 FIN STANDPIPE ARE NOT STANDPIPE ARE NOT STANDPIPE ARE NOT SUBTRACT FROM NOT SUBTR	FT FT ² 0.0055 INCH DIAM THROUGH TH FT 3.00 NOT REQUIRE	942.50 SF ETER HOLES HE 0.087 CFS HRS ED. 0.31 CFS
PLACE OPENINGS IN STANDPIPE HEAD = h _{FF} = X _{FF} - BOTTOM BASIN A = Q _{FF} / (0.62 x (2 x 32.2 x h _{FF}) ^{0.5}) = A 1 A/ 0.0055 THEREFORE, USE THE FOLLOW 3.00 HOLES, Q _{FF} MAX = 0.126 BANKFULL FLOOD FOR THE ALLOWABLE RELEASE FIRST FLUSH ORIFICE TO SEE IF HEAD = h = X _{BF} - BOTTOM OF BASIN Q _{90.0} = 0.62x #HOLES x (AREA EACT 190.0 = (1SEC / Q _{90.0}) x V _{BF} x (1HR SINCE HOLDING TIME IS LESS THAT THE BANKFULL ELEVATION 50 YEAR FLOOD Q ₈ = ALLOWABLE RELEASE RATION Q ₈ IS A PEAK OR MAXIMUM FLOVE FLUSH AND BANKFULL ORIFICES THE ORIFICE SIZE TO RELEASE T	INCH DIAM INCH HOLE	MOF BASIN = METER ORIFICE HA 2.38 ER OF 942.50 4-40 HOURS, CHE L HOLES ARE NEO X (2 x 32.2 x h) ^{0.5} = I = ADDITIONAL ORIFI TE IN ACRES= TE THE MAXIMUM E TOTAL HEAD, A AR STORM VOLUM CFS	0.043 0.044 0.013 AS AN AREA OF 1 CK THE DISCHARGE TO DESSARY. 1.15 FIN STANDPIPE ARE NOT STANDPIPE ARE NOT STANDPIPE ARE NOT SUBTRACT FROM NOT SUBTR	FT FT ² 0.0055 INCH DIAM THROUGH TH FT 3.00 IOT REQUIRE DUGH FIRST Qa TO DETE	942.50 SF ETER HOLES HE 0.087 CFS HRS ED. 0.31 CFS
PLACE OPENINGS IN STANDPIPE HEAD = h _{FF} = X _{FF} - BOTTOM BASIN A = Q _{FF} / (0.62 x (2 x 32.2 x h _{FF}) ^{0.5}) = A 1 A/ 0.0055 THEREFORE, USE THE FOLLOW 3.00 HOLES, Q _{FF} MAX = 0.126 BANKFULL FLOOD FOR THE ALLOWABLE RELEASE FIRST FLUSH ORIFICE TO SEE IF, HEAD = h = X _{BF} - BOTTOM OF BASIN Q _{90.0} = 0.62x #HOLES x (AREA EAC T _{90.0} = (1SEC / Q _{90.0}) x V _{BF} x (1HR SINCE HOLDING TIME IS LESS TH AT THE BANKFULL ELEVATION 50 YEAR FLOOD Q ₈ = ALLOWABLE RELEASE RATION Q ₈ IS A PEAK OR MAXIMUM FLOV FLUSH AND BANKFULL ORIFICES THE ORIFICE SIZE TO RELEASE TO Q _{FF} MAX+Q _{BF} MAX = Q _a - (Q _{FF} MAX + Q _{BF} MAX) =	INCH DIAM	MOF BASIN = METER ORIFICE HA 2.38 ER OF 942.50 4-40 HOURS, CHE L HOLES ARE NEO X (2 x 32.2 x h) ^{0.5} = = ADDITIONAL ORIFI TE IN ACRES= TE THE MAXIMUM E TOTAL HEAD, A AR STORM VOLUM CFS	0.043 0.044 0.013 AS AN AREA OF 1 CK THE DISCHARGE TO CESSARY. 1.15 TIN STANDPIPE ARE NOT SUBTRACT FROM MIE: 0.034	FT FT ² 0.0055 INCH DIAM THROUGH TH FT 3.00 IOT REQUIRE DUGH FIRST Qa TO DETE	942.50 SF ETER HOLES HE 0.087 CFS HRS ED. 0.31 CFS
PLACE OPENINGS IN STANDPIPE HEAD = h _{FF} = X _{FF} - BOTTOM BASIN A = Q _{FF} / (0.62 x (2 x 32.2 x h _{FF}) ^{0.5}) = A 1 A/ 0.0055 THEREFORE, USE THE FOLLOW 3.00 HOLES, Q _{FF} MAX = 0.126 BANKFULL FLOOD FOR THE ALLOWABLE RELEASE FIRST FLUSH ORIFICE TO SEE IF HEAD = h = X _{BF} - BOTTOM OF BASIN Q _{90.0} = 0.62x #HOLES x (AREA EAC T _{90.0} = (1SEC / Q _{90.0}) x V _{BF} x (1HR SINCE HOLDING TIME IS LESS TH AT THE BANKFULL ELEVATION 50 YEAR FLOOD Q _a = ALLOWABLE RELEASE RATION Q _a IS A PEAK OR MAXIMUM FLOV FLUSH AND BANKFULL ORIFICES THE ORIFICE SIZE TO RELEASE T Q _{FF} MAX + Q _{BF} MAX = Q _a - (Q _{FF} MAX + Q _{BF} MAX) = A = Q _a / (0.62 * (2 *32.2 * (X ₅₀ -X _{BF}))	INCH DIAM	M OF BASIN = METER ORIFICE HA 2.38 ER OF 942.50 4-40 HOURS, CHE L HOLES ARE NEO X (2 x 32.2 x h) ^{0.5} = ADDITIONAL ORIFI TE IN ACRES= TE THE MAXIMUM E TOTAL HEAD, A RR STORM VOLUM CFS CFS	0.043 0.044 0.013 AS AN AREA OF 1 CK THE DISCHARGE TO CESSARY. 1.15 TIN STANDPIPE ARE NOT SUBTRACT FROM MIE: 0.034	FT FT ² 0.0055 INCH DIAM THROUGH TH FT 3.00 NOT REQUIRE DUGH FIRST Qa TO DETE	942.50 SF ETER HOLES HE 0.087 CFS HRS ED. 0.31 CFS
PLACE OPENINGS IN STANDPIPE HEAD = h _{FF} = X _{FF} - BOTTOM BASIN A = Q _{FF} / (0.62 x (2 x 32.2 x h _{FF}) ^{0.5}) = A 1 A/ 0.0055 THEREFORE, USE THE FOLLOW 3.00 HOLES, Q _{FF} MAX = 0.126 BANKFULL FLOOD FOR THE ALLOWABLE RELEASE FIRST FLUSH ORIFICE TO SEE IF HEAD = h = X _{BF} - BOTTOM OF BASIN Q _{90.0} = 0.62 x #HOLES x (AREA EAC T _{90.0} = (1SEC / Q _{90.0}) x V _{BF} x (1HR SINCE HOLDING TIME IS LESS TH AT THE BANKFULL ELEVATION 50 YEAR FLOOD Q ₈ = ALLOWABLE RELEASE RATION Q ₈ IS A PEAK OR MAXIMUM FLOV FLUSH AND BANKFULL ORIFICES THE ORIFICE SIZE TO RELEASE TO Q _{FF} MAX+Q _{BF} MAX = Q ₈ - (Q _{FF} MAX + Q _{BF} MAX) = A 1 A/ 0.005 THEREFORE, USE THE FOLLOW	INCH DIAM	MOF BASIN = METER ORIFICE HA 2.38 ER OF 942.50 4-40 HOURS, CHE L HOLES ARE NEO X (2 x 32.2 x h) ^{0.5} = = ADDITIONAL ORIFI TE IN ACRES= TE THE MAXIMUM E TOTAL HEAD, A AR STORM VOLUM CFS CFS METER ORIFICE HA 6.18 ER OF	0.043 0.044 0.013 AS AN AREA OF 1 CK THE DISCHARGE TO CESSARY. 1.15 TIN STANDPIPE ARE NOT SUBTRACT FROM MIE: 0.034	FT FT 0.0055 INCH DIAM THROUGH TH FT 3.00 NOT REQUIRE DUGH FIRST Qa TO DETE	942.50 SF ETER HOLES HE 0.087 CFS HRS ED. 0.31 CFS
PLACE OPENINGS IN STANDPIPE HEAD = h _{FF} = X _{FF} - BOTTOM BASIN A = Q _{FF} / (0.62 x (2 x 32.2 x h _{FF}) ^{0.5}) = A 1 A/ 0.0055 THEREFORE, USE THE FOLLOW 3.00 HOLES, Q _{FF} MAX = 0.126 BANKFULL FLOOD FOR THE ALLOWABLE RELEASE FIRST FLUSH ORIFICE TO SEE IF HEAD = h = X _{BF} - BOTTOM OF BASIN Q _{90.0} = 0.62x #HOLES x (AREA EAC T _{90.0} = (1SEC / Q _{90.0}) x V _{BF} x (1HR SINCE HOLDING TIME IS LESS TH AT THE BANKFULL ELEVATION 50 YEAR FLOOD Q _a = ALLOWABLE RELEASE RATION Q _a IS A PEAK OR MAXIMUM FLOV FLUSH AND BANKFULL ORIFICES THE ORIFICE SIZE TO RELEASE TO Q _{FF} MAX+Q _{BF} MAX = Q _a - (Q _{FF} MAX + Q _{BF} MAX) = A 2 A 1 A/ 0.005 THEREFORE, USE THE FOLLOW 6 HOLES AT ELEV. =	INCH DIAM INCH DIAM INCH DIAM INCH DIAM INCH DIAM INCH DIAM INCH HOLEFF) INCH HOLEFF) INCH HOLEFF) INCH DIAM IN	MOF BASIN = METER ORIFICE HA 2.38 ER OF 942.50 4-40 HOURS, CHE L HOLES ARE NEO X (2 x 32.2 x h) ^{0.5} = E ADDITIONAL ORIFI TE IN ACRES= ATE THE MAXIMUM E TOTAL HEAD, A AR STORM VOLUM CFS CFS METER ORIFICE HA 6.18 ER OF 944.91	0.043 0.044 0.013 AS AN AREA OF 1 CK THE DISCHARGE TO DESSARY. 1.15 FI IN STANDPIPE ARE NOT SUBTRACT FROM MIE: 0.034 AS AN AREA OF	FT FT 0.0055 INCH DIAM THROUGH TH FT 3.00 NOT REQUIRE DUGH FIRST Qa TO DETE	942.50 SF ETER HOLES HE 0.087 CFS HRS ED. 0.31 CFS
PLACE OPENINGS IN STANDPIPE HEAD = h _{FF} = X _{FF} - BOTTOM BASIN A = Q _{FF} / (0.62 x (2 x 32.2 x h _{FF}) ^{0.5}) = A 1 A/ 0.0055 THEREFORE, USE THE FOLLOW 3.00 HOLES, Q _{FF} MAX = 0.126 BANKFULL FLOOD FOR THE ALLOWABLE RELEASE FIRST FLUSH ORIFICE TO SEE IF HEAD = h = X _{BF} - BOTTOM OF BASIN Q _{90.0} = 0.62 x #HOLES x (AREA EAC T _{90.0} = (1SEC / Q _{90.0}) x V _{BF} x (1HR SINCE HOLDING TIME IS LESS TH AT THE BANKFULL ELEVATION 50 YEAR FLOOD Q ₈ = ALLOWABLE RELEASE RATION Q ₈ IS A PEAK OR MAXIMUM FLOV FLUSH AND BANKFULL ORIFICES THE ORIFICE SIZE TO RELEASE TO Q _{FF} MAX+Q _{BF} MAX = Q ₈ - (Q _{FF} MAX + Q _{BF} MAX) = A 1 A/ 0.005 THEREFORE, USE THE FOLLOW	INCH DIAM	MOF BASIN = METER ORIFICE HA 2.38 ER OF 942.50 4-40 HOURS, CHE L HOLES ARE NEO X (2 x 32.2 x h) ^{0.5} = = ADDITIONAL ORIFI TE IN ACRES= TE THE MAXIMUM E TOTAL HEAD, A AR STORM VOLUM CFS CFS METER ORIFICE HA 6.18 ER OF	0.043 0.044 0.013 AS AN AREA OF 1 CK THE DISCHARGE TO DESSARY. 1.15 FI IN STANDPIPE ARE NOT SUBTRACT FROM MIE: 0.034 AS AN AREA OF	FT FT 0.0055 INCH DIAM THROUGH TH FT 3.00 NOT REQUIRE DUGH FIRST Qa TO DETE	942.50 SF ETER HOLES HE 0.087 CFS HRS ED. 0.31 CFS

	TION POND 50-YEAR	STORM					
	AN RECREATIONAL C		TION	DATE:	12/15/2023		
	GENOA TWP.			DESIGN:	MJD		
PROPOSED	CONDITIONS	IMPERV-					
	AREA 0.00	FACTOR 0.9	ACRE-IMPERV 0.00				
	1.10 0.16	0.7	0.77				
		0.2	0.00	0.04			
	COMPOUND C: TOTAL DRAINAGE AI	REA:		0.64 1.26	AC		
50 YEAR STO	DRM						
	MAX. ALLOW OUTFL $Q_a/(AREA \times C) =$	OW (0.1CF	S/ACRE)=		0.13	CFS/ACRI	E IMPERVIOUS
	ME (ORIFICE OUTLE	<u>r)</u>			0.10	OI OINOIL	I IVII ETTVIOGE
T =	-25+sqrt (9187.5/Q _o) =				216.82	MIN	
	14700T		<u>ous</u>		44047.60	OF/A ODE	IMPERVIOUS
V _s =	T+25 JME OF STORAGE RE	-40*Q _o *T			11817.02	CF/ACRE	IMPERVIOUS
	V _s x AREA x C	2011,120			9449	CF	
BANKFULL	FLOOD VOLUME						
$V_{BF} = 5160 \text{ x } A$	A x C=	4126	CF				
FIRST FLUSI							
$V_{FF} = 1815 \times A$	A x C=	1451	CF				
BASIN STOR	AGE PROVIDED ELEV	AREA	VOLUME	TOTAL VOLUME			
	946	6936	6281	18310	FREEBOAR		
	945 944	5626 4432	5029 3893	12029 7000	DESIGN HI	GH WATER	
	943 942	3354 2859	3107 0	3107 0	воттом о	FSTORAG	E
	941 940	1226 646					
	9/17						
STORAGE V	OLUME	- 6	12029	CF			
воттом ог	STORAGE	-	942.00				
FIRST FLUSI	Н	X _{FF} =	942.47				
			042.26				
BANKFULL		X _{BF} =	943.26				
50 YEAR		X ₅₀ =	944.49				
OUTLET CO	NTROL STRUCTURE						
	24HRS) x (1HR/3600SI NINGS IN STANDPIPE		M OF BASIN =	0.017	CFS	942.00	
PLACE OPEN		AT BOTTO	M OF BASIN =	0.017		942.00	
PLACE OPEN	NINGS IN STANDPIPE	AT BOTTO	M OF BASIN =		FT	942.00	
PLACE OPEN	NINGS IN STANDPIPE	AT BOTTOI	M OF BASIN =	0.47	FT	942.00 SF	
PLACE OPEN HEAD = h _{FF} = A = Q _{FF} / (0.62 A	NINGS IN STANDPIPE X_{FF} - BOTTOM BASIN $2 \times (2 \times 32.2 \times h_{FF})^{0.5}) =$	AT BOTTOI		0.47	FT		
PLACE OPEN HEAD = h _{FF} = A = Q _{FF} / (0.62 A	NINGS IN STANDPIPE X_{FF} - BOTTOM BASIN $2 \times (2 \times 32.2 \times h_{FF})^{0.5}) = 1$ 0.0055	AT BOTTON ELEV = INCH DIAM	METER ORIFICE HA	0.47 0.005 AS AN AREA OF	FT FT ² 0.0055	SF	FS
PLACE OPEN HEAD = h _{FF} = A = Q _{FF} / (0.62 A A/ THEREFORE 1.00	NINGS IN STANDPIPE X_{FF} - BOTTOM BASIN $2 \times (2 \times 32.2 \times h_{FF})^{0.5}) = 1$ 0.0055 E, USE THE FOLLOWI HOLES,	AT BOTTON ELEV = INCH DIAN = NG NUMB AT ELEV.	IETER ORIFICE HA 0.91 ER OF	0.47	FT	SF	ES
PLACE OPEN HEAD = h _{FF} = A = Q _{FF} / (0.62 A A/ THEREFORE 1.00 Q _{FF} MAX =	X _{FF} - BOTTOM BASIN 2 x (2 x 32.2 x h _{FF}) ^{0.5}) = 1 0.0055 E, USE THE FOLLOWI HOLES, 0.043	AT BOTTON ELEV = INCH DIAN = NG NUMB AT ELEV.	IETER ORIFICE HA 0.91 ER OF	0.47 0.005 AS AN AREA OF	FT FT ² 0.0055	SF	ES
PLACE OPEN HEAD = h _{FF} = A = Q _{FF} / (0.62 A A/ THEREFORE 1.00 Q _{FF} MAX = BANKFULL F FOR THE ALL FIRST FLUSH	NINGS IN STANDPIPE A X _{FF} - BOTTOM BASIN 12 x (2 x 32.2 x h _{FF}) ^{0.5}) = 1 0.0055 E, USE THE FOLLOWI HOLES, 0.043 LOOD OWABLE RELEASE FA	AT BOTTOM ELEV = INCH DIAM = NG NUMB AT ELEV. CFS RATE OF 20 DDITIONAL	METER ORIFICE HA 0.91 ER OF 942.00	0.47 0.005 AS AN AREA OF 1 CK THE DISCHARGE TOESSARY.	FT 0.0055 INCH DIAM	SF NETER HOL	ES
PLACE OPEN HEAD = h _{FF} = A = Q _{FF} / (0.62 A A/ THEREFORE 1.00 Q _{FF} MAX = BANKFULL F FOR THE ALL FIRST FLUSH	NINGS IN STANDPIPE A X _{FF} - BOTTOM BASIN 2 x (2 x 32.2 x h _{FF}) ^{0.5}) = 1 0.0055 E, USE THE FOLLOWI HOLES, 0.043 LOOD LOWABLE RELEASE F	AT BOTTOM ELEV = INCH DIAM = NG NUMB AT ELEV. CFS RATE OF 20 DDITIONAL	METER ORIFICE HA 0.91 ER OF 942.00	0.47 0.005 AS AN AREA OF 1 CK THE DISCHARGE T	FT 0.0055 INCH DIAM	SF NETER HOL	ES
PLACE OPEN HEAD = h _{FF} = A = Q _{FF} / (0.62 A A/ THEREFORE 1.00 Q _{FF} MAX = BANKFULL F FOR THE ALL FIRST FLUSH HEAD = h = X Q _{90.0} = 0.62x #	NINGS IN STANDPIPE A X _{FF} - BOTTOM BASIN 2 x (2 x 32.2 x h _{FF}) ^{0.5}) = 1 0.0055 E, USE THE FOLLOWI HOLES, 0.043 LOOD LOWABLE RELEASE FA 1 BF - BOTTOM OF BASIN	AT BOTTOM ELEV = INCH DIAM = NG NUMB AT ELEV. CFS RATE OF 2- DDITIONAL N = H HOLEFF)	METER ORIFICE HA 0.91 ER OF 942.00 4-40 HOURS, CHE L HOLES ARE NEC x (2 x 32.2 x h) ^{0.5} =	0.47 0.005 AS AN AREA OF 1 CK THE DISCHARGE TOESSARY.	FT FT ² 0.0055 INCH DIAM	SF SETER HOL	
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PLACE OPEN HEAD = h _{FF} = A = Q _{FF} / (0.62 A A/ THEREFORE 1.00 Q _{FF} MAX = BANKFULL F FOR THE ALL FIRST FLUSH HEAD = h = X Q _{90.0} = 0.62x T Q _{90.0} = (1SEC SINCE HOLD AT THE BANK 50 YEAR FLC	NINGS IN STANDPIPE A X _{FF} - BOTTOM BASIN II 2 x (2 x 32.2 x h _{FF}) ^{0.5}) = 1 0.0055 E, USE THE FOLLOWI HOLES, 0.043 LOOD LOWABLE RELEASE FA HORIFICE TO SEE IF A SBF - BOTTOM OF BASIN #HOLES x (AREA EAC E / Q _{90.0}) x V _{BF} x (1HR / ING TIME IS LESS THA KFULL ELEVATION DOD	AT BOTTOI ELEV = INCH DIAN = NG NUMB AT ELEV. CFS RATE OF 2. DDITIONAL N = H HOLE _{FF}) 3600SEC ()	0.91 ER OF 942.00 4-40 HOURS, CHE HOLES ARE NEC	0.47 0.005 AS AN AREA OF 1 CK THE DISCHARGE TOESSARY. 1.26	FT 0.0055 INCH DIAM HROUGH TH	SF METER HOL HE 0.030 HRS ED.	CFS
PLACE OPEN HEAD = h _{FF} = A = Q _{FF} / (0.62 A A/ THEREFORE 1.00 Q _{FF} MAX = BANKFULL F FOR THE ALL FIRST FLUSH HEAD = h = X Q _{90.0} = 0.62x # T _{90.0} = (1SEC SINCE HOLD AT THE BANK 50 YEAR FLC Q _a = ALLOWA Q _a IS A PEAK FLUSH AND IS	NINGS IN STANDPIPE A X _{FF} - BOTTOM BASIN II 2 x (2 x 32.2 x h _{FF}) ^{0.5}) = 1 0.0055 E, USE THE FOLLOWI HOLES, 0.043 LOOD LOWABLE RELEASE FA H ORIFICE TO SEE IF A SHOLES x (AREA EAC E / Q _{90.0}) x V _{BF} x (1HR / ING TIME IS LESS THA XFULL ELEVATION DOD ABLE RELEASE RATE COR MAXIMUM FLOW BANKFULL ORIFICES,	AT BOTTOI ELEV = INCH DIAN = NG NUMB AT ELEV. CFS RATE OF 2- DDITIONAL N = H HOLE _{FF}) 3600SEC) AN 40 HRS, XAREA SI CALCULA USING TH	METER ORIFICE HA 0.91 ER OF 942.00 4-40 HOURS, CHE HOLES ARE NEC x (2 x 32.2 x h) ^{0.5} = = ADDITIONAL ORIFI TE IN ACRES= TE THE MAXIMUM E TOTAL HEAD, A	0.47 0.005 AS AN AREA OF 1 CK THE DISCHARGE TO ESSARY. 1.26 I IN STANDPIPE ARE NOT STANDPIPE ARE NOT SUBTRACT FROM 10	FT 0.0055 INCH DIAM HROUGH TH FT 8.60 OT REQUIR	SF METER HOL HE 0.030 HRS ED. 0.13	
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DESIGNED BY:

MJD

1" = 40'

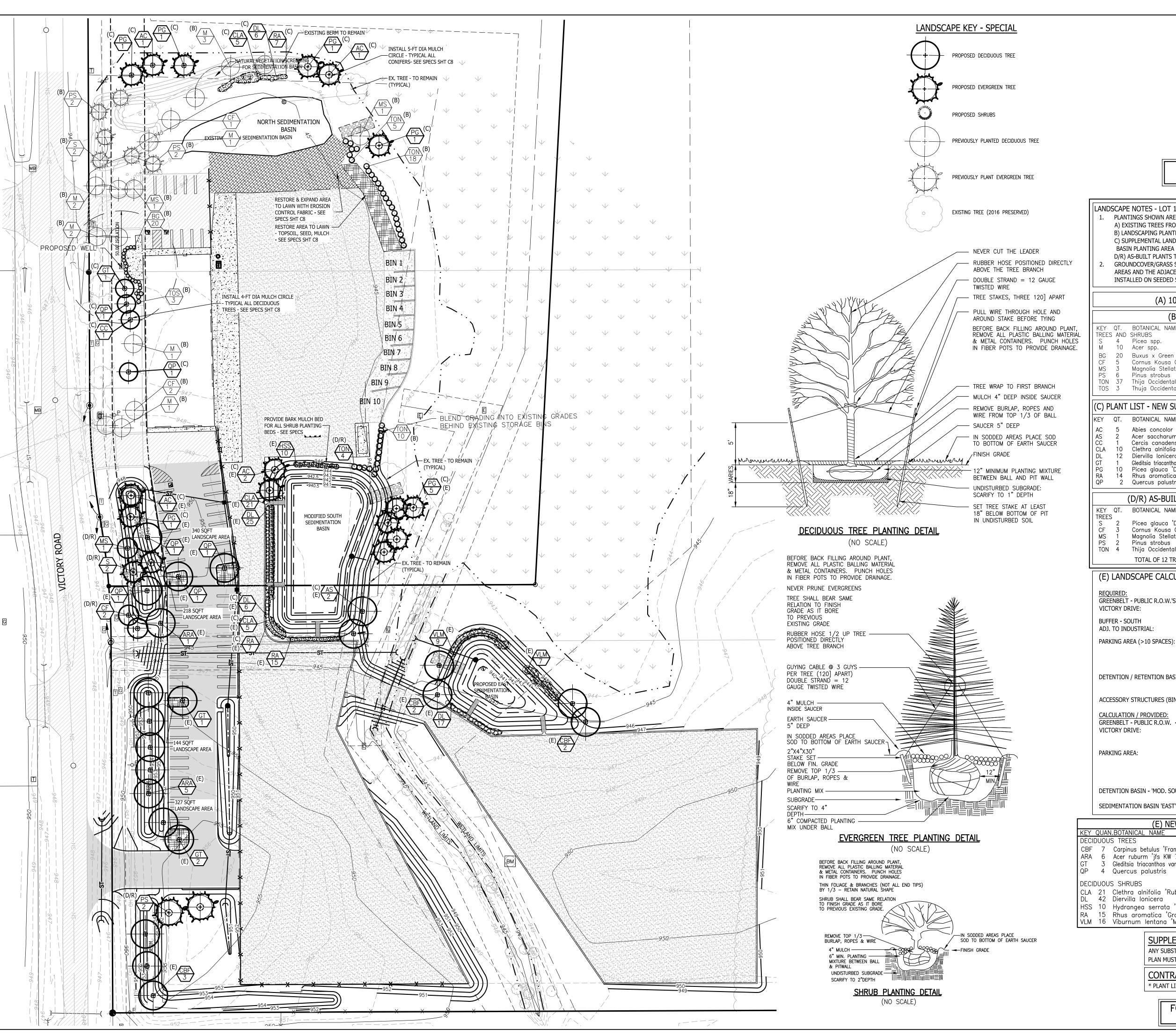
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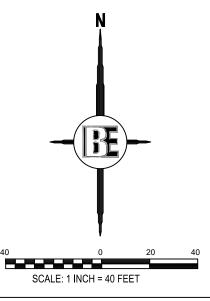
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SEE SHEET 2 FOR GENERAL NOTES AND LEGEND

LANDSCAPE NOTES - LOT 18 - PER CONSENT JUDGEMENT 7-22-2021: PLANTINGS SHOWN ARE A MIX OF 3 TYPES (SEE LEGEND) -A) EXISTING TREES FROM 2016 THAT WERE AND SHALL CONTINUE TO BE PRESERVED; B) LANDSCAPING PLANTED FOR THE ORIGINAL CONSTRUCTION & PLANTED PRIOR TO 2021 ('AS-BUILT') C) SUPPLEMENTAL LANDSCAPING TO COMPLY WITH THE INTENT OF THE APPROVED 2016 PLANS (SOUTH BASIN PLANTING AREA LOCATIONS ADJUSTED TO ACCOMMODATE 2023 PROPOSED CONFIGURATION) D/R) AS-BUILT PLANTS TO BE REMOVED BY NEW WORK & REPLACED IN KIND GROUNDCOVER/GRASS SHALL BE RESTORED AND MAINTAINED BETWEEN ALL GRAVEL AND/OR PAVED

(A) 10 EXISTING TREES PRESERVED ON-SITE

INSTALLED ON SEEDED SLOPES STEEPER THAN 1:6.

AREAS AND THE ADJACENT SEDIMENTATION BASINS. EROSION CONTROL MATTING SHALL BE

(B) PLANT LIST (AS-BUILT AS OF 2021)							
KEY TREES		BOTANICAL NAME SHRUBS	COMMON NAME	SIZE	REMARK		
S		Picea spp. Acer spp.	Spruce Maple	4' hgt 2.5" cal	_ _		
BG CF		Buxus x Green Gem Cornus Kousa Chinensis	Green Gem Boxwood Kousa Dogwood	24" hgt. 2-1/2" cal. 2-1/2" cal.	_ _		
PS	3 6	Magnolia Stellata 'Royal Star' Pinus strobus	Royal Star Magnolia Eastern White Pine	6' hgt.			
TON TOS	37 3	Thija Occidentalis Nigra Thuja Occidentalis 'Smaragd'	Dark Green Arborvitae Emerald Arborvitae	6' hgt. 6' hgt.	_		

(C) P	LANT	LIST - NEW SUPPLEMENTAL - T	O BE PLANTED PER	CONSENT JUD	GEMENT *
KEY	QT.	BOTANICAL NAME	COMMON NAME	SIZE	REMARK
AC	5	Abies concolor	White Fir	6'hgt	B-B
AS	2	Acer saccharum 'Legacy'	Legacy Sugar Maple	2 <u>.</u> -1/2" cal	B-B
	1	Cercis canadensis	Eastern Redbud	2" cal.	B-B
CLA	10	Clethra alnifolia 'Ruby Spice'	Ruby Spice Clethra	24" hgt.	Cont.
DL	12	Diervilla lonicera	Dwarf Bush Honeysuckle	24" hgt.	Cont
GT	1	Gleditsia triacanthos var inermis 'Skycole'	Skyline Honeylocust	2-1/2" cal.	B-B B-B
PG	10	Picea glauca 'Densata'	White Spruce	6' hgt	
RA	14	Rhus aromatica 'Grow Low'	Grow Low Sumac	24" hgt.	Cont
QP	2	Quercus palustris	Pin Oak	2-1/2" cal.	B-B

		(D/R) AS-BUILT	PLANTS - REMOVALS FOR NEW CONSTRUCTION	/ (
EY	QT.	BOTANICAL NAME	COMMON NAME	

	KEY		BOTANICAL NAME	COMMON NAME		
ı	TREES	0	Diago alaura 'Danasta'	White Comme	6' hat	D D
	S	2	Picea glauca 'Densata'	White Spruce	6' hgt	B-B
ı	CF	3	Cornus Kousa Chinensis	Kousa Dogwood	2" cal.	B-B
ı	MS	1	Magnolia Stellata 'Royal Star'	Royal Star Magnolia	2" cal.	B-B
ı	PS	2	Pinus strobus	Eastern White Pine	6' hgt	B-B B-B
ı	TON	4	Thija Occidentalis Nigra	Dark Green Arborvitae	4' hgt	B-B
ı			TOTAL OF 12 TREES TO BE REMOVED	/ REPLACED IN KIND IN SIZ	ES INDICATED	

(E) LANDSCAPE CALCULATIONS 'INDUSTRIAL' (IND) ZONING - NEW WORK:

REQUIRED: GREENBELT - PUBLIC R.O.W.'S - VICTORY DRIVE: 1 CANOPY TREE / 40 LFT FRONTAGE, MIN 20 FT V

ADJ. TO INDUSTRIAL: PARKING AREA (>10 SPACES): 1 CANOPY TREE + 100 SQFT LANDSCAPE AREA / 10 SPACES

- PARKING ADJ. TO STREET REQUIRES SCREENING - MIN 3-FT HGT LANDSCAPED BERM ACCEPTABLE OPTIONS - MIN. 10-FT WIDTH

DETENTION / RETENTION BASIN: 1 DECIDUOUS OR 1 CONIFEROUS TREE + 10 SHRUBS / 50 LFT PERIMETER LENGTH AS MEASURED AT TOP OF BASIN

ACCESSORY STRUCTURES (BINS): SCREENED WITH SHRUBS IF IN 'VISIBLE LOCATION' - EXISTING CALCULATION / PROVIDED:

VICTORY DRIVE: 482.05 LFT FRONTAGE (FROM EX. LOT 18 SOUTH DRIVEWAY) / 40 = 12 CANOPY TREES REQ'D & PROVIDED PARKING AREA: 52 PROPOSED PARKING SPACES / 10

= 6 TREES + 520 SQFT TOTAL LANDSCAPE AREA REQUIRED; 6 TREES & 1,029 SQFT LANDSCAPE AREA PROVIDED, CONTAINED IN GRASSED LAWN PENINSULAS

DETENTION BASIN - 'MOD. SOUTH': 444 LFT / 50 = 9 TREES + 89 SHRUBS REQ'D & PROVIDED SEDIMENTATION BASIN 'EAST': 320 LFT / 50 = 4 TREES + 32 SHRUBS REQ'D & PROVIDED

	(E) NEW PLANTINGS LIST - FOR NEW WORK *								
KEY (QUAI	N.BOTANICAL NAME	COMMON NAME	SIZE	REMARK				
DECID	UOL	IS TREES							
CBF ARA GT QP	6 3	Carpinus betulus 'Frans Fontaine' Acer ruburm 'jfs KW 78' Gleditsia triacanthos var inermis 'Skycole' Quercus palustris	Frans Fontaine European Hornbeam Armstrong Gold Red Maple Skyline Thornless Honeylocust Northern Pin Oak	2-1/2" cal. 2-1/2" cal. 2-1/2" cal. 2-1/2" cal.	B-B B-B				
DECID	UOL	IS SHRUBS							
CLA DL	21 42 10 15	Clethra alnifolia 'Ruby Spice' Diervilla Ionicera Hydrangea serrata 'Smnmaktsr' Rhus aromatica 'Gro—Low' Viburnum Ientana 'Mohican'	Ruby Spice Clethra Dwarf Bush Honeysuckle Mountain Tuff Stuff Red Hydrangea Gro—Low Fragrant Sumac Wayfaring Mohican Viburnum	24" ht. 24" ht. 18" ht./#3 24" ht./#3 36" ht./#5	Cont Cont. Cont. Cont. Cont.				

SUPPLEMENTAL LANDSCAPE NOTE

ANY SUBSTITUTIONS OF PLANT MATERIAL FROM THE APPROVED SITE PLAN MUST BE APPROVED BY THE TOWNSHIP PRIOR TO INSTALLATION.

CONTRACTOR NOTE

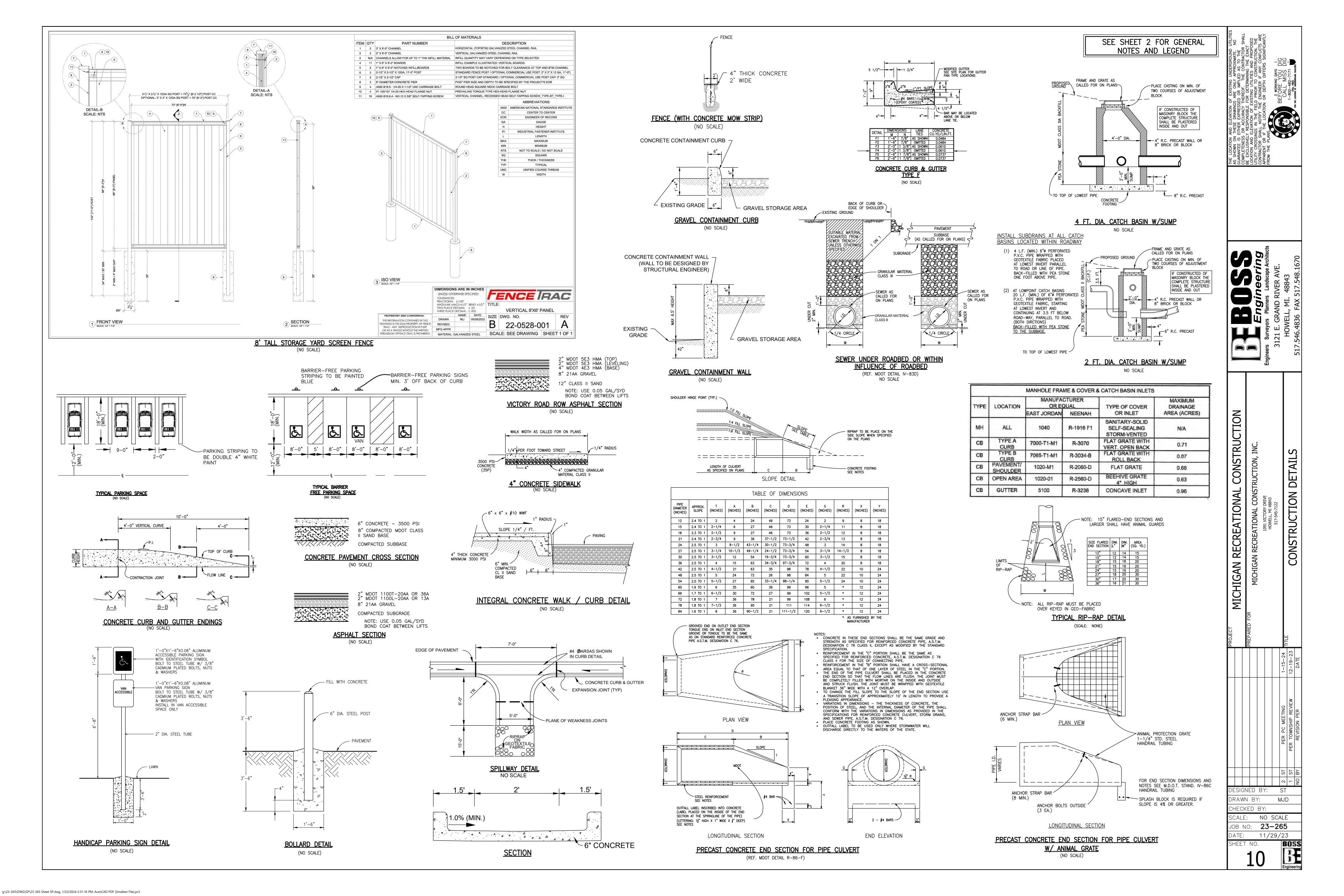
* PLANT LIST'S (C), (D/R) & (E) - ARE NEW PLANTINGS TO BE PROVIDED

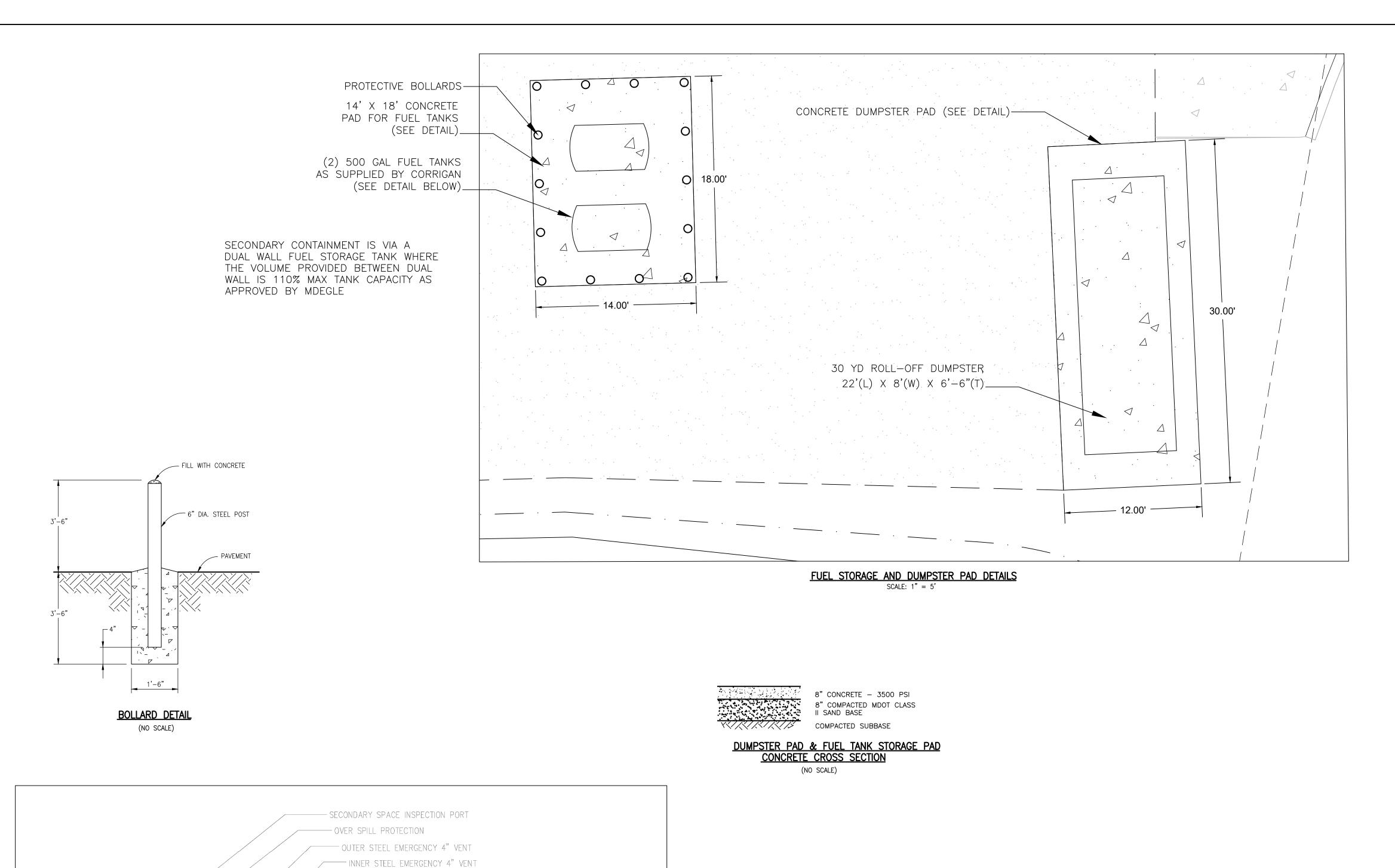
FOR SITE PLAN APPROVAL ONLY! NOT FOR CONSTRUCTION



8

ESIGNED BY: DRAWN BY: PC CHECKED BY: 1" = 40'JOB NO: **23-265** 11/29/23





---- VENT GAUGE

INTER TANK WALL INTER SPACE OUTER TANK WALL

<u>SIDE_VIEW</u>

74" (500 GALLON)

500 GAL FUEL STORAGE TANK DETAIL (NO SCALE)

TOP VIEW

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(OVERFILL ALARM)

END VIEW

500 GALLON TANK - UL142° DOUBLE WALL ABOVE GROUND STORAGE TANK

MDEQ APPROVED 110% CAPACITY

BETWEEN OUTER SHELL AND INNER SHELL

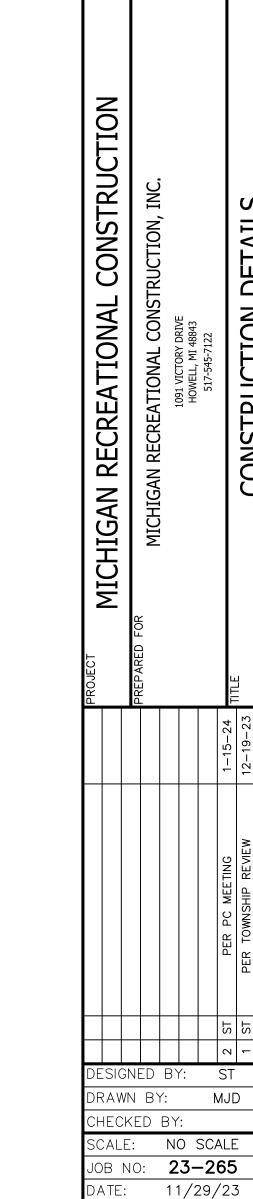
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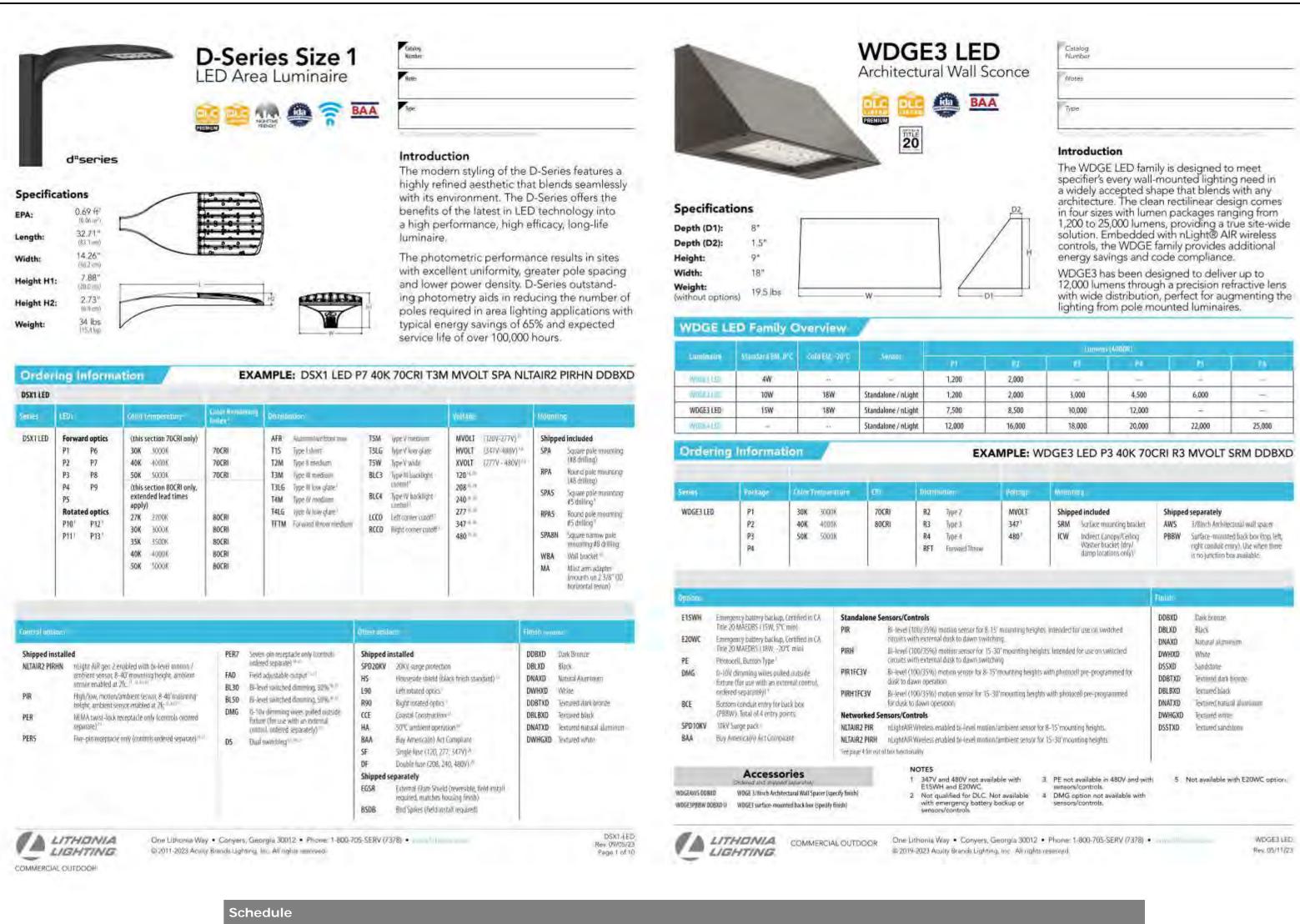
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12 GAUGE CONSTRUCTION

SEE SHEET 2 FOR GENERAL CONSTRUCTION MICHIGAN RECREATIONAL

NOTES AND LEGEND





Schedul	e								
Symbol	Label	Image	QTY	Manufacturer	Catalog	Description	Lamp Output	LLF	Input Power
	W		7	Lithonia Lighting	WDGE3 LED P2 70CRI RFT 40K	WDGE3 LED WITH P2 - PERFORMANCE PACKAGE, 4000K, 70CRI, FORWARD THROW OPTIC	8596	0.9	59.2761
	P1		12	Lithonia Lighting	DSX1 LED P5 40K 80CRI TFTM	D-Series Size 1 Area Luminaire P5 Performance Package 4000K CCT 80 CRI Forward Throw	16531	0.9	138.16
	P2		2	Lithonia Lighting	DSX1 LED P3 40K 80CRI T5M	D-Series Size 1 Area Luminaire P3 Performance Package 4000K CCT 80 CRI Type 5 Medium	13186	0.9	204.34
	P3		3	Lithonia Lighting	DSX1 LED P4 40K 80CRI BLC3	D-Series Size 1 Area Luminaire P4 Performance Package 4000K CCT 80 CRI Type 3 Extreme Backlight Control	10700	0.9	123.94
	P4	7	1	Lithonia Lighting	DSX1 LED P3 40K 80CRI T4LG	D-Series Size 1 Area Luminaire P3 Performance Package 4000K CCT 80 CRI Type 4 Low G Rating	11657	0.9	102.17

General Note

- 1. SEE SCHEDULE FOR LUMINAIRE MOUNTING HEIGHT.
- SEE LUMINAIRE SCHEDULE FOR LIGHT LOSS FACTOR.
 CALCULATIONS ARE SHOWN IN FOOTCANDLES AT: 0' 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.

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
North Parking & Drive Lanes	Ж	2.0 fc	6.0 fc	0.6 fc	10.0:1	3.3:1
Overall	+	0.5 fc	8.2 fc	0.0 fc	N/A	N/A
Property Line	+	0.0 fc	0.1 fc	0.0 fc	N/A	N/A
South East Gravel Storage	Ж	0.8 fc	1.9 fc	0.1 fc	19.0:1	8.0:1
South Gravel Storage	Ж	0.7 fc	1.8 fc	0.1 fc	18.0:1	7.0:1
South Parking & Drive Lanes	Ж	1.0 fc	4.1 fc	0.2 fc	20.5:1	5.0:1
North Gravel Storage	Ж	0.7 fc	1.9 fc	0.1 fc	19.0:1	7.0:1

00 to 0 to 1 to 2 to 8 1.3 *1.8 *2.2 *2.0 *1.5 *0.5 to 5 to 5 to 6 to 8 *1.1 *1.4 *1.6 *1.4 *1.2 *1.0 *to 9 to 8 *0.7 *to 6 to 2 to 7 to 1 to 1 to 1 to 1 to 0 to 0 to 0 000 101 03 06 4.1 4.4 4.5 4.4 4.2 48 05 05 06 88 4.0 4.1 6 66 2 4.1 4.1 4.0 5.9 5.9 5.8 50 105 05 02 02 01 01 00 00 4.7 tl.7 tl.6 to 3 to 2 to 2 to 2 to 3 to 4 to 6 to 8 to 9 tl.0 tl. tl. to 8 to 2 to 1 to 1 to 1 to 0 to 0 4.1 W.4@.51 \$6. *0.3 *0.2 *0.1 *0.2 *0.3 *0.4 *06 *0.7 *0.9 *1.1 *1.2 *1.3 *1.1 *1.8 *0.2 *0.1 *0.1 *0.1 *0.0 *0.0 3 ⁴4.1 ⁴.6 ⁸0.6 ⁸0.2 ⁸0.1 ⁸0.1 ⁸0.2 ⁸0.2 ⁸0.2 ⁸0.3 ⁸0.5 ⁸0.6 ⁸0.8 ⁸1.0 ¹1.3 ⁸1.6 ⁸1.5 ¹1.5 ¹0.6 ¹0.3 ¹0.2 ¹0.1 ¹0.1 ¹0.0 \$ [†]3.4 [†]1.6 ^{*}70.8 ^{*}70.5 ^{*}70.4 ^{*}70.4 ^{*}70.4 ^{*}70.5 ^{*}70.6 ^{*}70.7 ^{*}70.8 ^{*}70.8 ^{*}70.8 ^{*}70.7 [†]70.3 [†]70.2 [†]70.1 [†]70. +4.9 +1.9 *0.8 *0.6 *0.5 *0.5 *0.5 *0.5 *0.6 *0.7 *0.7 *0.7 *0.7 *0.6 *0.5 *0.2 *0.0 *0.1 *0.1 *0.1 *0.0 *0.0 *0.0 W.1@ 614'9 *0.6 *0.6 *0.6 *0.6 *0.7 *0.7 *0.7 *0.7 *0.6 *0.5 *4/4 *0.4 *0.3 *0.1 *0.1 *0.1 *0.0 *0.0 *0.0 0.0 0.1 0.5 1.1 4.4 4.4 4.0 4.2 4.5 4.4 1.0 0.0 0.0 0.0 0.0 0.0 100 0.1 102 10.4 55 10.7 10.6 10.7 10.4 10.3 10.3 10.4 10.6 11.0 11.8 11.6 10.8 10.5 10.3 10.5 10.0 10.0 10.0 10.0 10.0 0.0 0.0 \(\frac{1}{0.1} \) \(\frac{1}{0.2} \ 0 td 100 100 100 12 4.3 *1.3 *1.3 *2 * 3.4 102 *0.1 *0.1 10.1 10.1 10.1 10.2 to.2 to.2 to.2 to.2 to.1 to 1 td 1 to.0 100

Plan View

Scale - 1" = 100ft

Designer
BK
Date
11/28/2023
Scale
Not to Scale
Drawing No.

#23-22842

GEN



2911 Dorr Road Brighton, MI 48116 810.227.5225 810.227.3420 fax genoa.org

MEMORANDUM

TO: Honorable Board of Trustees

FROM: Amy Ruthig, Planning Director

DATE: January 29, 2024

RE: 2025 Euler Road Preliminary Site Condominium

Special Land Use, Preliminary Site Plan and Impact Assessment

Please find attached the project case file for a proposed special land use permit and preliminary site plan and impact assessment for a 2-unit non-residential site condominium for use as contractor's offices and yards with outdoor storage. The property is located at 2025 Euler Road, east side of Euler Road, north of Grand River Avenue. The property is zoned Industrial (IND).



SUPERVISOR
Bill Rogers
CLERK
Paulette A. Skolarus
TREASURER
Robin L. Hunt
TRUSTEES
Jean W. Ledford
Terry Croft
Diana Lowe
Jeff Dhaenens
MANAGER
Kelly VanMarter

Procedurally, the Planning Commission is to review the special land use, preliminary site plan and environmental impact assessment, and put forth recommendations to the Township Board following a public hearing. The project was heard before the Planning Commission on January 8^{th,} 2024 and the Commission recommended approval. Based on the recommendation from the Planning Commission and conditions included by Township Staff (highlighted in yellow), I offer the following for your consideration:

SPECIAL USE PERMIT

Moved by	, Supported by	to APPROVE the Special Use Permit for
a two-unit non-re	esidential site condominium	with contractor's offices and yards with
outdoor storage a	at 2025 Euler Road. It is four	nd that the requested use meets the standards
of Section 19.03,	13.07 and 8.02.02(b). This	approval is conditioned upon the following:

- High quality building architecture and enhanced landscaping have been provided to ensure compatibility with the research and development future land use category. The final building architecture shall be reviewed by the Planning Commission to ensure that it meets the intent of the Master Plan and conveys a high-quality image.
- The height of all material and equipment stored in an outdoor storage area shall not exceed the height of any landscape screening, wall or fence. Storage of materials up to the height of the adjacent building wall may be permitted in the rear yard of the south condominium unit if it is illustrated on the site plan because the rear yard does not abut a residential district or face an expressway, provided such storage is confined to within twenty (20) feet of the building.
- The applicant shall address any comments provided in the January 3rd, 2024 letter from the Township Engineer.
- The applicant shall address any comments provided in the December 26, 2023 letter from the Brighton Area Fire Authority.

ENVIRONMENT	ΔI	IMPACT	ASSESSME	INT
	٦L	IMPACI	HOODSONIE	INI

Moved by	, Supported by	to APPROVE the Environmental Impact
Assessment dated	l 1-26-24 for a two-unit non	-residential site condominium with
contractor's office	es and yards with outdoor st	orage at 2025 Euler Road.
CITE DI AN		
SITE PLAN		
Moved by	, Supported by	to APPROVE the site plan dated 1-26-24
to allow for a two	-unit non-residential site co	ndominium with contractor's offices and yards
with outdoor stor	age at 2025 Euler Road, wit	h the following conditions:
m) l:		
		nd textures of the building and their ability to
improve t	ipon the landscaping as disc	ussed.

- The building materials do not meet the Zoning Ordinance. Building materials and colors will be reviewed at Final Site Plan submittal.
- The Master Deed and Bylaws shall be amended per the comments provided by the Township Attorney and staff and exhibit B shall be provided for review at Final Site Plan submittal.
- Site plan shall be revised to show storage of materials up to the height of building in an area 20 feet behind the building on south condominium unit.

If you should have any questions, please feel free to contact me.

Best Regards,

Amy Ruthig Planning Director

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GENOA CHARTER TOWNSHIP Application for Site Plan Review

TO THE GENOA TOWNSHIP PLANNING COMMISSION AND TOWNSHIP BOARD:

APPLICANT NAME & ADDRESS: Desine Inc. (2183 Pless Dr., Brighton, MI 48114)
If applicant is not the owner, a letter of Authorization from Property Owner is needed.
OWNER'S NAME & ADDRESS: 4M Genoa LLC (2244 Euler Rd., Ste. 102, Brighton, MI 48114)
SITE ADDRESS: 2025 Euler Road PARCEL #(s): 11-13-100-011
APPLICANT PHONE: (810) 227-9533 OWNER PHONE: (810) 217-7471
OWNER EMAIL: johnj@mrmconstruction.com
LOCATION AND BRIEF DESCRIPTION OF SITE: Site is just north of Grand River Ave, on
Euler Rd. Site is currently occupied by several accessory structures and a former home
that was being used as business. Site is mostly open with some trees and vegetation.
BRIEF STATEMENT OF PROPOSED USE: Proposed use is an industrial site condominium
that will contain two industrial buildings and a shared storage yard. The buildings will
house two separate construction firms and their equipment and staff.
THE FOLLOWING BUILDINGS ARE PROPOSED: Two industrial buildings, with office and
warehouse spaces.
I HEREBY CERTIFY THAT ALL INFORMATION AND DATA ATTACHED TO AND MADE PART OF THIS APPLICATION IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE AND BELIEF.
BY: STEVE BAIBAK & FRIM
ADDRESS: 2-183 PIESS DAINT BAILLYON MI 45149

Contact Information - Rev	iew Letters and Correspondence shall be	forwarded to the following:
1.) Steve Baibak Name	of Desine Inc. Business Affiliation	atatE-mail Address
	FEE EXCEEDANCE AGREE	CMENT



GENOA CHARTER TOWNSHIP Special Land Use Application

This application **must** be accompanied by a site plan review application and the associated submittal requirements. (The Zoning Official may allow a less detailed sketch plan for a change in use.)

APPLICANT NAME & ADDRESS: Desine Inc., 2183 Pless Drive, Brighton, MI 48114
Submit a letter of Authorization from Property Owner if application is signed by Acting Agent.
APPLICANT PHONE: (810) 227 - 9533 EMAIL: steveb@desineinc.com
OWNER NAME & ADDRESS: 4M Genoa LLC, 2244 Euler Road, Suite 102, Brighton, MI 48114
SITE ADDRESS: 2025 Euler Road PARCEL #(s): 11-13-100-011
OWNER PHONE: (810) 217 - 7471 EMAIL: johnj@mrmconstruction.com
Location and brief description of site and surroundings: Single parcel located on Euler Rd. approx. 1,400 ft. north of Grand River Ave. Parcel is 13.33 acres and occupied by three existing
structures, trees vegetation, open ground, and portions of open water. Parcels to the north and west are occupied by single
family homes. Southern parcel contains a commercial building and cellphone tower. Parcel to the east is St. Joseph Hospital.
Proposed Use: A commercial site condominium with two separate units, each with one commercial building and a shared gravel equipment storage yard.
Proposed tenants at this time are construction firms and will use buildings as office and material storage space.
Describe how your request meets the Zoning Ordinance General Review Standards (section 19.03):
a. Describe how the use will be compatible and in accordance with the goals, objectives, and policies of the Genoa Township Comprehensive Plan and subarea plans, and will promote the Statement of Purpose of the zoning district in which the use is proposed.

b. Describe how the use will be designed, constructed, operated, and maintained to be compatible with, and not significantly alter, the existing or intended character of the general vicinity.

nature of construction projects. On site activities will be limited to equipment and material storage and administrative and dispatch work.

The storage of construction materials and equipment is consistent with light industrial activity as described in the statement of purpose for the industrial district. The proposed use will not be detrimental to the surrounding parcels due to the site based

The proposed use will be similar to the previous septic system firm operating there. The site will remain mostly open space after construction. The existing dilapidated structures will be replaced with new buildings and storage yards will have landscape screening. Most work will occur off site at construction sites, and minimal noise will be produced on site. No excessive odors should be produced.

c. How will the use be served adequately by essential public facilities and services such as highways, streets, police and fire protection, drainage structures, water and sewage facilities, refuse disposal and schools?

The site will be served via the paved portion of Euler Rd., heading south towards Grand River Ave. The site is served by both public water and sanitary sewer. Drainage will be controlled via on site detention basin and underground piping. Police and fire departments will have access via common entry drives to Euler Rd. REFUSE REFUSE

environment, public	health, safety, or welfare b	y reason of exc	s potentially detrimental to the natural sessive production of traffic, noise, vibration, w will the impacts be mitigated?	
The site will have no uses	that will produce detrimenta	al environmental	effects.	
				_
e. Does the use have sp If so, describe how the		he Zoning Ordi	nance (sections 3.03.02, 7.02.02, & 8.02.02)?	
Yes. The site will have a st	orage area in compliance with	8.02.02 (b) (2), (3	B), and (4). Stockpiles will be covered. The storage lo	ot
will have an approved surf	ace and no area is proposed	in any setback. I	For 8.02.02 (b) (5) a sufficient building is proposed	<u>—</u> Л.
Vehicle maneuvering is acco	ommodated on site. Required b	uffer zones are pro	oposed. Materials will be stored in accordance with (8	3)
THIS APPLICATION A I AGREE TO DESIGN, BUILDINGS, STRUCT ACCORDANCE WITH	ARE TRUE AND ACCUR CONSTRUCT AND OPE TURES, AND FACILITIES THE STATED REQUIR	ATE TO THE ERATE, AND N S WHICH ARE EMENTS OF T	A ATTACHED TO AND MADE PART OF BEST OF MY KNOWLEDGE AND BELIE MAINTAIN THESE PREMISES AND THE E GOVERNED BY THIS PERMIT IN THE GENOA TOWNSHIP ZONING EGUARDS AS MAY BE MADE A PART O	
	E PROPERTY OF PROPE HIS SPECIAL LAND US		STATES THAT THEY ARE THE RIBED ABOVE AND MAKES	
ADDRESS:	44 Euler Ra	1. Bright	200	
ADDRESS		70.910		
Contact Information - Re	view Letters and Correspo	ndence shall be	e forwarded to the following:	
Steve Baibak	of Desine Inc.		at steveb@desineinc.com	
lame	Business Affiliat	ion	Email	
	FEE EXCEEDA	NCE AGREEN	MENT	
Planning Commission required to pay the actual is ayment will be required condicates agreement and fu	neeting. If additional revi- ncurred costs for the additi	ews or meetings ional reviews. I o the Township	ated two (2) consultant reviews and one s are necessary, the applicant will be If applicable, additional review fee Board. By signing below, applicant	
SIGNATURE:	1 / 100		DATE: 11/2/2013	
PRINT NAME: John	moretti	PHONE:_	810-217-747/	

Genoa Township Planning Commission January 8, 2024 Unapproved Minutes

OPEN PUBLIC HEARING # 2...Consideration of a special use application, environmental impact assessment and preliminary site plan for a 2-unit non-residential site condominium with contractor's offices and yards with outdoor storage and accessory fuel storage. The property is located at 2025 Euler Road, east side of Euler Road, north of Grand River Avenue. The request is petitioned by Desine, Inc.

- A. Recommendation of Special Use Application
- B. Recommendation of Environmental Impact Assessment (12-18-23)
- C. Recommendation of Preliminary Site Plan (12-19-23)

Mr. Steve Baibak of Desine, Inc. provided a review of the proposal. He showed the proposed site plan. Ms. Kathy Riesterer, representing the applicant stated this site is being developed as a condominium. The Master Deed and Bylaws have been reviewed to the Township Attorney and his comments have been incorporated into those documents.

Mr. Borden reviewed his letter dated January 2, 2024, noting this is preliminary approval.

- 1. Special Land Uses (Section 19.03):
 - a. In order to make a favorable finding related to the Master Plan, the Commission needs to deem the building architecture "high quality" and the site landscaping "enhanced."
 - b. In order to make favorable findings related to compatibility and impacts, the conditions of Section 8.02.02(b) and 13.07 need to be met to the Commission's satisfaction, with particular attention paid to protecting the adjacent residence.
 - The applicant must address any comments provided by the Township Engineer or Brighton Area Fire Authority regarding public facilities and services.
- 2. Outdoor Storage (Section 8.02.02(b)):
 - a. The use of gravel surfacing is allowed to be approved but requires a recommendation by the Township Engineer.
- 3. Site Plan Review:
 - a. The applicant must address any comments provided by the Township Attorney regarding the condominium documents. He noted that Ms. Riesterer has addressed this item.
 - b. Building materials and design, including color palette, are subject to review and approval by the Planning Commission.
 - c. The amount of metal as a building material exceeds that allowed.
 - d. The applicant should be prepared to present building material and color samples at the Planning Commission meeting. Mr. Baibak provided photographs of the proposed materials. There was a discussion regarding not allowing the red material being proposed. The Commissioners agree that the proposed materials are acceptable, but colored renderings must be provided for color palette review and approval.
 - e. Parking space depths may be reduced by 2 feet, if desired by the applicant.
 - f. The applicant must make arrangements for refuse removal since the receptacles are behind security gates.

Genoa Township Planning Commission January 8, 2024 Unapproved Minutes

Ms. Byrne reviewed her letter dated January 3, 2024.

- 1. The Genoa Township Zoning Ordinance requires that the parking lot be hard surface with concrete curb and gutter. However, she does not have any objection to the use of gravel for the storage areas.
- 2. After final site plan approval, water main and sanitary sewer construction plans should be provided to MHOG Sewer and Water Authority for their review and approval and permitting with EGLE.
- 3. The domestic water lead should come off the fire suppression line closer to the proposed buildings per MHOG standard details. This can be revised as part of MHOG's construction plan review after final site plan approval.

The Brighton Area Fire Department Fire Marshal's letter dated December 26, 2023 states that two items are outstanding:

- 1. A minimum vertical clearance of 13½ feet shall be maintained along the length of all apparatus access drives. This includes but is not limited to porte-cocheres, lighting, and large canopy trees.
- 2. The shared drive to the storage yard shall be signed on both sides as a fire lane. Include the location of the proposed fire lane signage and a detail of the fire lane sign in the submittal. Access roads to the site shall be provided and maintained during construction. Access roads shall be constructed to be capable of supporting the imposed load of fire apparatus weighing at least 84,000 pounds.

Mr. Baibak stated he will address their Fire Marshal's concerns.

Commissioner McCreary questioned that the Master Deed and Bylaws state the use as "a medical and business office condominium". Ms. Riesterer stated this will be removed as there will be no medical uses here.

The call to the public was made at 7:42 pm.

Mr. Joe Lubig of 7576 Spring Trace, which is directly east of the property, would like to know what type of businesses will be here. He used to see the pond and the trees and now he sees the orange fencing. Will this affect his property values and what will he see from his windows? Will there be landscaping planted? He would like to keep the rural nature of the area.

Ms. Marie Parish of 1885 Euler has the same concerns as Mr. Lubig. She would like the applicant to consider a neutral palette. She is concerned about any fuel storage.

Mr. John Moretti, who owns the property at 2224 Euler Road, is happy with this proposed development. This property has been abandoned for many years. There has been debris, unsafe buildings, tires, etc. and has not been well maintained.

The call to the public was closed at 7:48 pm.

Genoa Township Planning Commission January 8, 2024 Unapproved Minutes

Vice Chairman Rauch asked the applicant to explain their proposed screening. Mr. Baibak showed the proposed landscaping plan. They will be keeping all of the existing major vegetation and they will be adding additional plantings around the detention basin. There will be more plantings on this site after it is developed than what is currently there.

Commissioner McBain would like to see additional plantings installed along the back of the property between this site and the residential neighbors abutting it. Mr. Baibak stated additional plantings can be added where there is a gap in the buffer on that side. He requested specific direction on what should be planted.

Moved by Commissioner Dhaenens, supported by Commissioner McCreary, to recommend to the Township Board approval of the Special Use Application for a two-unit non-residential site condominium with contractor's offices and yards with outdoor storage at 2025 Euler Road as this Planning Commission finds that the conditions of Sections 8.02.02(b), 13.07 and 19.03 of the zoning ordinance have been met. This approval is conditioned upon the applicant addressing any comments provided by the Township Engineer and Brighton Area Fire Authority regarding public facilities and services. **The motion carried unanimously.**

Moved by Commissioner Dhaenens, supported by Commissioner McCreary, to recommend to the Township Board approval of the Environmental Impact Assessment dated December 18, 2023 for a two-unit non-residential site condominium with contractor's offices and yards with outdoor storage at 2025 Euler Road. **The motion carried unanimously.**

Moved by Commissioner Dhaenens, supported by Commissioner Chouinard, to recommend to the Township Board approval of the Preliminary Site Plan dated December 19, 2023 for a two-unit non-residential site condominium with contractor's offices at 2025 Euler Road, with the following conditions:

- The applicant is to review the tones and textures of the building and their ability to improve upon the landscaping as discussed, this evening.
- The gravel parking lot is acceptable.
- The Dumpster screening is not required.
- The Master Deed and Bylaws shall be amended per the comments provided by the Township Attorney.

The motion carried unanimously.

OPEN PUBLIC HEARING #3...Consideration of a sketch plan application and sketch plan for a proposed 1,704 sq. ft. addition for Michigan Rod Products located at 1326 Grand Oaks Drive. A. Disposition of Sketch Plan (11-28-23)

Mr. Raymond Embach of Asselin, McLane Architectural Group, LLC stated they are proposing to install a recycling bin enclosure. They have received the comments from the planner, engineer and fire marshal and will address their concerns, noting that he has spoken to the Fire Marshal and he has agreed to waive the requirement for the water main.

January 16, 2024

To Whom it May Concern,

I am writing to express my deep concerns regarding the proposed construction of two commercial buildings adjacent to our rural residential neighborhood. This development, I believe, could significantly disrupt the character and quality of life in our community.

Firstly, the tranquility and serenity of our neighborhood, cherished by all residents, are at risk. The introduction of commercial activities will inevitably bring noise, traffic, and pollution. These factors not only disturb the peaceful environment but could also impact the health and well-being of residents, particularly the elderly and children.

Moreover, the rural charm and natural beauty of our area, which is a major draw for both residents and visitors, could be overshadowed by this commercial structure. It risks altering the landscape in a way that is inconsistent with the surrounding rural setting, potentially leading to a decline in property values.

Furthermore, such a development could set a precedent for more buildings of this type in the area, leading to a gradual erosion of the rural character of our neighborhood. This shift could alter the community dynamics, affecting the quality of life and the close-knit nature of our neighborhood. If the properties along Euler were dedicated to office, research and development as indicated in the Master Plan, Genoa township could increase and elevate all aspects of the community from increased jobs, increase commerce, increase sense of community. A contractors yard belongs in an industrial park and the heart of your community (by hospital and church) is not where you want to set that precedent. The decision you make today impacts the area for decades to come.

While we understand the need for economic development, it is crucial that it does not come at the expense of the community's character and residents' quality of life. We believe this development will not elevate this area in any way. We hope that any development considers the Master Plan, long-term implications, and maintains the harmony and essence of our rural neighborhood.

I urge you to reconsider the proposed plan, taking into account these concerns. We are hopeful for a resolution that aligns with the interests and well-being of our community.

Respectfully,

Marie and Chris Parrish 1885 Euler Rd.

In the following pages, I have posted questions, comments, and concerns as they relate to Zoning Ordinances and the Master Plan. I felt there were questions left unanswered at the January 8th meeting and I am hoping to address those concerns here. I feel very strongly about the issues within this document. I believe, if your property was next to this proposed site, you would feel the same way. I realize the approval process is a multi-step process and hope these concerns can still be taken into consideration.

In our opinion, the approval of this project could have many negative consequences.

Reference: Article 8, pg 8-1

Building a facility 50 feet from our lot line is detrimental to the mature oak trees lining the entire length (about 900 feet) of property line.

Air flow, water drainage, disruption to surrounding environment may cause the trees to decay even more quickly. The owner has already cleared the land of all trees and vegetation which were protecting my oak trees. I did not think land clearing was acceptable before permits were issued.

When the trees are gone, nothing will grow in this location as a 30 foot tall building will a cast shadow and prevent new growth of any tree or evergreen.

Looking for confirmation that the petition for "Special Land Use" permit to allow outdoor storage has also been pulled with the withdrawal of the request for accessory fuel storage. I am concerned the contractor's yard will become a junk yard.

	GENOA TOWNSHIP ZONING ORDINANCE					
	ARTICLE 8 INDUSTRIAL DISTRICT					
Sec. 8.01	STATEMENT OF PURPOSE					
8.01.01	Industrial District: The Industrial (IND) District is intended to primarily accommodate research, wholesale and warehouse activities and light industrial operations whose external, physical effects are restricted to the district and in no manner affect in a detiminental way any of the surrounding districts. The Industrial District is intended for the manufacturing, compounding, processing, packaging, assembly and/or treatment of finished or semi-finished products from previously prepared material. The processing of raw material for shipment in bulk form, to be used in an industrial operation at another location, shall not be permitted, except as provided for as Special Land Uses.					
Sec. 8.02	PERMITTED AND SPECIAL LAND USES					
	buildings in the districts indicated at the top of Table 8.02 may be used for by "S" after special land use approval in accordance with the general an Article 19 Special Land Uses. A notation of "" indicates that the use is r	id speci not pem	fic standard nitted within			
	district. The "Req." column indicates additional requirements or conditions	s applica	ible to the u			
	district. The "Req." column indicates additional requirements or conditions Table 8,02 Schedule of Industrial Uses					
	Table 8.02 Schedule of Industrial Uses	IND	Req.			
	Table 8.02					
	Table 8.02 Schedule of Industrial Uses Manufacturing Manufacturing, fibricating, processing, packaging and/or assembling of products indoors from previously prepared materials, such as, bone, canvas, cellophane, cloft, cord, feathers, felf, fiber, fix, glass, bant, horn, paper, plastics, rubber, precious or semiprecious metal or stones, sheet metal, shell, textless, tokeoc, wax wire, wood (excluding saw mills) and yarns, excluding leather and food processing, with a floor area under 40,000 square feet. Automotive assembly or manufacturing	IND P				
	Table 8.02 Schedule of Industrial Uses Manufacturing Manufacturing, fabricating, processing, packaging and/or assembling of product indoors from previously prepared materials, such as; bone, canvas, cellophane, clofft, cork, feathers, felt, fiber, fix; glass, hair, horn, paper, plastics, rubber, precious or semiprevious metal or stones, sheet metal, shell, textiles, tobacco, wax, wire, wood (excluding saw mills) and yams, excluding leather and food processing, with a floor area under 40,000 square feet Automotive assembly or manufacturing Balkeries	IND P				
	Table 8.02 Schedule of Industrial Uses Manufacturing Manufacturing, fibricating, processing, packaging and/or assembling of products indoors from previously prepared materials, such as; bone, caruvas, cellophane, cloth, cork, Pathiers, Pelf, fiber, fix; glass, hair, horn, paper, plastics, nubber, precious or semiprecious metal or stones, sheet metal, shell, textiles, tobacco, wax, wire, wood (excluding saw mills) and yarns, excluding leather and food processing, with a floor area under 40,000 square feet Automotive assembly or manufacturing Bakeries Bottling and packaging except canning	IND P				
	Table 8.02 Schedule of Industrial Uses Manufacturing Manufacturing, fabricating, processing, packaging and/or assembling of product indoors from previously prepared materials, such as; bone, canvas, cellophane, clofft, cork, feathers, felt, fiber, fix; glass, hair, horn, paper, plastics, rubber, precious or semiprevious metal or stones, sheet metal, shell, textiles, tobacco, wax, wire, wood (excluding saw mills) and yams, excluding leather and food processing, with a floor area under 40,000 square feet Automotive assembly or manufacturing Balkeries	IND P	Req.			
	Table 8.02 Schedule of Industrial Uses Manufacturing Manufacturing, fabricating, processing, packaging and/or assembling of products indoors from previously prepared materials, such as; bone, canvas, cellophane, cloth, cork, feathers, felt, fiber, für, glass, hair, horn, paper, plastics, rubber, precious or semiprecious metal or stones, sheet metal, shelt, textiles, tobacco, wax, wire, wood (excluding saw mulls) and yarns, excluding leather and food processing, with a floor area under 40,000 square feet Automotive assembly or manufacturing Balearies Bottling and packaging except canning Breweries, distilleries and vinceries Cement, concrete, gypatum, plaster and nonmetallic mineral products	IND P	Req. 8.02.02(a)			
	Table 8.02 Schedule of Industrial Uses Manufacturing Manufacturing, fabricating, processing, packaging and/or assembling of products indoors from previously prepared materials, such as; bone, canvas, cellophane, cloft, corft, feathers, felt, fiber, fix; glass, hair, horn, paper, plastics, subber, precious or semiprecious metal or stones, sheet metal, shell, textiles, tobacco, wax, wire, wood (excluding saw mills) and yarns, excluding leather and food processing, with a floor area under 40,000 square feet Automotive assembly or manufacturing Balcaries Bottling and packaging except canning Breweries, distillentes and wineries Cement, concrete, gypsum, plaster and nonmetallic mineral products manufacturing Cement and concrete product or ready-mix operations requiring elevator storage tanks, conveyors and batching equipment and asphall batch	IND P S P S S S S				
	Table 8.02 Schedule of Industrial Uses Manufacturing Manufacturing, fibricating, processing, packaging and/or assembling of products indoors from previously prepared materials, such as, bone, carvas, cellophane, cloft, cork, feathers, felt, fiber, fivr, glass, hair, horn, paper, plastics, rubber, precious or semiprecious metal or stones, sheet metal, shell, textiles, tobacco, wax, wire, wood (excluding saw mills) and yarns, excluding leather and food processing, with a floor area under 40,000 square feet Automotive assembly or manufacturing Bakeries Bortling and packaging except canning Breweries, distilleries and wineries Cement, concerte, gypsum, plaster and nonmetallic mineral products manufacturing Cement and concrete product or ready-mix operations requiring elevator storage tatas, conveyors and batching equipment and sophalt batch plant, asphalt mixing, batching or paving plants Chemicals and allied products manufacturing including chemical compounding, plastics manufacturing in the manufacturing of paint, lacquer, enamel, or vamish Comtractors offices and buildings with only indoor storage of equipment and mechanics.	IND P	Req. 8.02.02(a) 8.02.02(a)			
	Table 8.02 Schedule of Industrial Uses Manufacturing Manufacturing, fibricating, processing, packaging and/or assembling of products indoors from previously prepared materials, such as; bone, canvas, cellophane, cloth, cork, feathers, felt, fiber, fire, glass, hair, horn, paper, plastics, rubber, precious or semiprecious metal or stones, sheet metal, shell, textiles, tobacco, wax, wire, wood (excluding saw mills) and yarns, excluding leather and food processing, with a floor area under 40,000 square feet Automotive assembly or manufacturing Bakeries Bottling and packaging except canning Breweries, dustilleries and wineeries Cement, concrete, gypsum, plaster and nonmetallic mineral products manufacturing Cement and concrete product or ready-mix operations requiring elevator storage tanks, conveyors and batching equipment and asphalt batch plant, asphalt mixing, batching or paving plants Chemicals and allied products manufacturing including chemical compounding, plastics manufacturing including chemical compounding, plastics manufacturing of pant, lacquer, enamel, or vamish Contractors offices and buildings with only indoor storage of equipment	IND P S P S S S S S	Req. 8.02.02(a)			

Reference: Article 8, pg 8-2

It appears Research and Development is an approved "Industrial Use" and this is entirely in line with the Master Plan.

This should be considered! Once a construction yard is established, this will only attract more of the same which, I believe, will diminish the desire for more beneficial developments that bring people and commerce.

Table 8.02 Schedule of Industrial Uses		
	IND	Req.
Extractive uses, such as sand and gravel mining	S	8.02.02(c
Food processing including canning, meat and dairy products processing	S	
Foundry, smelting or refining of metals or ores, wrought iron, annealing or heat treating plants	S	
Freezer locker plants and cold storage	S	
Furniture and fixtures manufacturing	P	
Landfills	S	8.02.02(d
Lumber mills	S	
Metal work involving the use of grinding or cutting tools such as manufacturing tools, dyes, jigs, automatic screw machines, are welding, acetylene torch cutting, brazing or similar processes	S	
Paper and allied products manufacturing	S	
Petroleum refineries or storage facilities	S	
Plastics manufacturing, molding and extrusion	S	
Print shops and book publishing	P	
Research and development facilities, testing laboratories	P	
Salvage yard or junk yard	S	8.02.02(e)
Textile mills and apparel production	P	
Truck terminals	S	
Warehousing establishments	P	
Wood product manufacturing, including pattern making, millwork, cabinet making. Formica counters, prefabricated wood trusses, pallets, skids, and similar products.	P	
Any permitted use over 40,000 square feet of total floor area	S	
Any manufacturing use involving wet processes or the use of water in processing	S	8.02.02(f)
Commercial		
Adult completed store	c	0.02.02/

Reference: Article 8, pg 8-3

Offices would be the better choice if the goal is to elevate the quality of community.

Requesting clarification regarding outdoor storage.

I absolutely feel this would invite the opportunity for the grounds to appear as a junk yard and become very uninviting to look at from my home.

Table 8.02 Schedule of Industrial Uses		
	IND	Req.
Leasing and rental of automobiles, truck and trailers, which may include outdoor storage or display of vehicles	S	8.02.02(b
Mini-storage - indoors	P	8.02.02(1)
Mini-storage with outdoor storage	S	8.02.02(1
Professional or corporate offices	P	
Personal service, retail and restaurants within office or industrial building or within an office park	S	8.02.02(k
Retail sales of goods assembled, manufactured, compounded, processed, packaged or treated from previously prepared materials, or repaired or stored, on the premises	S	8.02.02(1)
Radio and television studios	P	
Public or Institutional		
Animal Shelters	S	8.02.02(n
Shelters and rehabilitation centers for philanthropic or non-profit institutions	S	8.02.02(n
Composting centers	P	8.02.02(6
Electric power stations and heating plants	S	
Essential public services, public service buildings and public service storage yards	P	8.02.02(p
Public parks/open space/boat launches	P	
Urgent care, medical centers/clinics	S	
Vocational/technical training facilities	P	
Accessory Uses		
Any use with outdoor equipment/material storage and all other open air businesses	S	8.02.02(ъ
Accessory fuel storage or use of hazardous materials	S	13.07
Accessory uses, buildings and structures customarily incidental to any of the above	P	

Reference: Article 8, pg 8-4

Yes, this is within code, however, gravel is very dusty if not properly maintained. My concern is for anyone at my home that may be sensitive to dust or have breathing issues.

Additionally, I have watched the crew build a sizable burn pile on this property, dousing it with fuel causing huge balls of fire and plumes of smoke which blow our way.

I'm certain this is in violation of fire ordinance and it makes me wonder what other noxious fumes might we endure. Clearly, there is no regard the neighbors or for their own safety for that matter. (6) Provisions shall be made for the on-site reduction and containment of dust and other particulate matter. Emissions from operation and material handling (i.e., loading unloading, storage transfer or hauling) shall be controlled at all times by the periodic or routine application of water to the surface of materials unless natural moisture is sufficient to control emissions. All emissions shall be in accordance with the requirements of Section 13.05. (as amended 3/5/10)

(b) Outdoor Sales or Storage (as a permitted or accessory use, including sales or storage of building/hauber supply, contanctions yards, gardenflandscape supplies, nurseries; greenhouses, stone, farm implements, automobiles, trucks, recreational vehicles, mobile homes, boats, jet skis, mowing equipment, construction equipment and similar materials or equipment) shall comply with the following requirements:

(1) Minimum lot area shall be one (1) acre.

(2) Any stockpiles of soils, fertilizer or similar loosely packaged materials shall be sufficiently covered or contained to prevent dust or blowing of materials.

(3) All outdoor storage areas shall be paved with a permanent, durable and dustless surface and shall be graded and drained to dispose stormwater without negatively impact adjacent property. The Township Board, following a recommendation of the Planning Commission and the Township Engineer, may approve a gravel surface for all or part of the display or storage area for low intensity activities, upon a finding that neighboring properties and the environment will not be negatively impacted.

(4) No outdoor storage shall be permitted in any required yard (setback) of buildings for the district in which the outdoor display, sales or storage use is located. Any approved outdoor sales or display with a parking lot shall meet the required parking lot setback provided the Planning Commission may require additional landscaping screening or omnamental fencing.

(5) The site shall include a building of at least five hundred (500) feet of gross fl

Reference: Article 8, pg 8-5

There are many references to outdoor storage. Please clarify if the intent of this development is to have storage indoor only or outdoor as well.

Outdoor requires Special Land Use permit. Has that been petitioned for?

(6) All loading and truck maneuvering shall be accommodated on-site.

(7) All outdoor storage area property lines adjacent to a residential district shall provide a buffer zone A as described in Section 12.02. A buffer zone B shall be provided on all other sides. The Planning Commission may approve a six (6) foot high screen wall or fence, or a four (4) foot high landscaped berm as an alternative.

(8) The height of all material and equipment stored in an outdoor storage area shall not exceed the height of framy landscape screening, wall or fence. Boats and recreational vehicles may exceed the height of the fence provided that they are setback from the fence a distance equal to their height. Storage of materials up to the height of the adjacent building wall may be permitted in the rear yard did it is silustrated on the site plan, the rear yard does not abut a residential district or face an expressway, and such storage is confined to within twenty (20) feet of the building.

Reference: Article 12, pg 12-1

It appears that the allowance for metal is 25%. The elevation drawings indicate the building exceeds this ratio.

A special exception for this development should not be considered as this building is massive and only 200 feet from my single-family home.

This is something we must look at every day!

No exception should be granted. Natural materials are more pleasing to look at and more thoughtful of the surrounding environment. However, I do not think you can make a 250 foot wall by 30 feet tall ever look attractive.

This is why industrial buildings are built in industrial complexes. Then metal would be the appropriate siding for the setting.

GENOA TOWNSHIP ZONING ORDINANCE

ARTICLE 12 SITE DEVELOPMENT REGULATIONS

Sec. 12.01 MULTIPLE FAMILY, COMMERCIAL, OFFICE AND INDUSTRIAL

12.01.01 Purpose: The purpose of this Section is to provide a set of exterior building wall material standards, the intent of which is to enhance the visual environment of the Township. Furthermore, the review of exterior building wall design and the consistent administration of standards can help to maintain the Township's sense of place by encouraging consistent quality and character when structures are built or redeveloped All development shall utilize quality architecture to ensure that a building is compatible with surrounding uses, protects the investment of adjacent landowners, blends harmoniously into the streetscape, and maintains a positive image for the Township's various commercial shopping districts

12.01.02 Applicability: This Section shall apply to all construction, except single family residential structures, for all exterior building walls and shall consist of those materials and combinations of materials as set forth in this section. Architecture shall be reviewed by the Planning Commission as a part of site plan review under the requirements of this section.

12.01.03 Wall materials: The use of exterior wall materials on walls that are visible from a public, or private road or a parking lot shall be in compliance with the maximum percentages permitted in the "Schedule of Regulating Exterior Building Wall Materials."

Schedule of	Exterior Bui	lding Wall Materia	ıls.
	Maximum	Percent of Wall Tha	May be
	E	uilding Materials by	Zoning !

	Maximum Percent of Wall That May be Covered by Certain Building Materials by Zoning District (a)					
Building Materials	Multiple Family Residential (b)	Office Service District (OSD), Public & Rec. Fac. District (PRF)	Districts (NSD, GCD, RCD) (e)	Industrial District (IND)		
Brick or face brick	100 %	100 %	100 %	100 %		
Stone	100 %	100 %	100 %	100 %		
Split face block	0%	25 %	25 %	100 %		
Scored concrete block	0 %	25 %	25 %	100 %		
Plain concrete block	0 %	25 %	25 %	25%		
Cast stone	100 %	100 %	100 %	100 %		
Precast concrete	0%	25 %	25 %	100 %		
Concrete formed in place	0 %	25 %	25 %	25%		
Metal (d)	0 %	25 %	25 %	25%		
Reflective glass	0 %	100 %	50 %	75%		
Glass block	25 %	50 %	50 %	50 %		
Wood siding	25 %	25 %	25 %	0 %		
Vinyl or fiber cement siding	25 %	25 %	25 %	25%		
Finishes (e)	25 %	25 %	25 %	75%		

Reference: Article 12, pg 12-2

Please note, ordinances are not suggestions. They are meant to codify standards and protect individuals from those who do not care.

The scale of this building is within code but out of proportion for the surrounding area. I would sincerely hope you consider all the provisions listed in the code.

At 250 ft long and 85 ft wide and 30 ft tall, this 20,000 sq ft building is 10x the footprint of our home and just as tall. From my bedroom window, I will look at the side of a building equal to almost 1/3 the length of our 10 acre property.

It provides almost no architectural interest, adds nothing to the overall character of the community, does not implement design to increase variety of building lines as stated in 12.01.06 and is generally obtrusive.

new materials not covered in the Schedule of Exterior Building Wall Materials), the Planning Commission may waive the requirements of this Section pertaining to materials.

12.01.05 Compatible Design: Building and sign materials and colors shall relate well and be hamonious with the surrounding area. Buildings shall consider the scale and proportion of existing structures in the area. Roof shape and materials shall be architecturally compatible with adjacent buildings and enhance the predominant streetscape. Subtle earth tone colors shall be used for building and roofing material.

12.01.06 Design Standards: Buildings shall possess architectural variety, but enhance the overall cohesive community character. All buildings shall provide architectural features, details and ornaments such as archivays, colomades, comices, peaked roof lines or towers. Building walls over 100 feet in length shall be broken up with varying building lines, wandows, architectural accents and trees. Building entrances shall utilize windows, canopies and awnings; provide unity of scale, texture, and color; and provide a sense of place. Building rear facades shall be constructed to a finished quality comparable to the front facade. Rooftop equipment shall be screened from public view by a full parapet wall unless the Planning Commussion determines that alternate screening is acceptable. (as amended 3/5/10)

12.01.07 Site Elements: Signs and other site features shall be designed and located on the site so that the proposed development is aesthetically compatible and harmonious with nearby developments. Sign bases shall be constructed of material which is compatible with the principal building. Developments shall provide site features such as decorative entry signs, ornamental lighting, pedestrian furniture and/or fountains. (as amended 12/31/06)

12.01.08 Existing buildings: Where additions or remodeling of existing buildings is proposed, the following standards shall apply:

Site Development Regulations

Reference: Article 12, pg 12-4

This is a great requirement, however, the property line has mature oak trees along its entire length (about 900 feet).

A 30 foot tall building 50 feet south of the property line will create a tunnel between the trees and building.

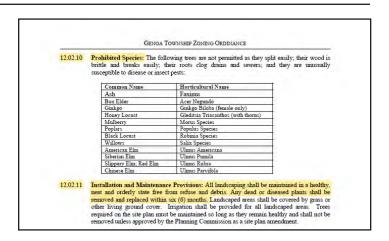
The plantings behind the building will likely never grow as they will always be in the shade rendering the berm as a boundary solution useless and ultimately a total waste of money in plant material. A 4-foot berm can hardly begin to conceal such a massive structure.

The oak trees are very old and decaying rapidly. The owners of the property have already cleared many of the trees which have left my oak trees unprotected.

			12.02.03.A e Requirements		
PROPOSED USE:		Adjacent to SF Residential District	Adjacent to MF Residential or MHP District	Adjacent to Office or Commercial District	Adjacent to PR District
Agricultural		None	None	None	None
	y Residential	None	None	None	None
Two Family	Residential	None	None	None	None
Multiple Fan	nily Residentia	l B	None	C	None
Mobile Hom	e Park	В	В	C	None
Neighborhoo	od Service	В	В	C	C
Office-Servi	ce	В	C	None	None
General/Reg	ional Commerc	cial B	В	C	C
Industrial		A	A	В	A
Public/recrea	tional Facilitie	5 None	None	None	None
Planned Unit	t Development	Datamain J Junior D			
as amended	12/31/06)		12.02.03.B	ng above as a guide	
		Table		nes	
as amended BUFFER	Minimum	Table Description of R	12.02.03.B	nes Minimum Plant	
		Table Description of R Wall/Berm* 6 foot high continuous	12.02.03.B equired Buffer Zon	Minimum Plant Materials b.s.d green trees and 4 shrub	
BUFFER ZONE	Minimum Width	Table Description of R Wall/Berm	12.02.03.B equired Buffer Zor 1 canopy tree, 2 ever (20) linear feet along 1 canopy tree, 1 ever	Minimum Plant Materials %4 green trees and 4 shrubs the property line, roun green tree and 4 shrubs	ded upward per each thirty (30
BUFFER ZONE A B	Minimum Width 50 feet 20 feet	Table Description of R Wall/Berm 6 foot high continuous wall or 4 foot high berm 6 foot high continuous	12.02.03.B equired Buffer Zor l canopy tree, 2 eve linear feet along the l canopy or evergre- linear feet along the	Minimum Plant Materials ^{b, 1, 4} green tees and 4 shrub green tee and 4 shrub property line, rounded t en tee or 4 shrubs property line, rounded t en tee or 4 shrubs property line, rounded t	ded upward per each thirty (30 upward ach twenty (20) upward

Reference: Article 12, pg 12-7

It will likely be impossible to maintain any healthy plants behind the building for reasons stated above.



Reference: Article 12, pg 12-8

What is the noise load from HVAC / Air Handlers, trucks, machines, etc.?

This was not discussed at the January 8th meeting that I could recall and is of significant importance.

We chose to build our home in a country setting as I am a person with a high sensitivity to noise and vibration. We want to know that a peaceful environment will be maintained.

Additionally, smell is of concern with diesel driven equipment. We have to wonder if we will spend our summers smelling diesel fuel as they move their equipment in and out of the property daily.

We see this potentially making our outdoor space uncomfortable and/or unusable. I can state positively that this is already the case as they are in the process of clearing the land prior to building.

	No use otherwise allowed within any use district shall be permitted which does not conform
	to the following standards of use, occupancy, and operation.
13.05.01	Smoke: It shall be unlawful for any person, firm or corporation to permit the emission of smoke from any source in an amount which shall be injurious or substantially annoying to persons in the affected area.
13.05.02	Airborne Solids: It shall be unlawful for any person, firm or corporation to operate and maintain, or cause to be operated and maintained, any process or activity which shall be productive of dust, dirt, fly ash or other airborne matter which shall be injurious of substantially annoying to persons in the vicinity of such activity or process, or which shall cause injury to neighboring business or property.
13.05.03	Odor: The emission of odors which shall be found to be obnoxious to any considerable number of persons in the area shall be prohibited.
13.05.04	Gases: The emission or release of corrosive or toxic gases, in amounts which are injurious or substantially amnoying to persons living or working in the affected area, shall be prohibited.
13.05.05	Vibration: Machines or operations which cause vibration shall be permitted in Industrial Districts, provided vibrations emanating there from shall not be discernable and substantially annoying or injurious to property beyond the lot lines of the affected premises.
13.05.06	Noise: The noise permitted under any use of land shall be no greater than the normal level of traffic noise existing in the area at the time of such emission, when determined at the boundary of the property. Industrial districts may have higher levels of noise within their industrial premises, provided berms, walls or other sound barriers of equal effect shall prevent their being substantially annoving to adiacent areas.

Reference: Article 18, pg 18-1

We do hope our concerns will be considered as this proposed development threatens our quality of life and potential decrease in value of property. I did not feel the preliminary meeting truly addressed all our concerns adequately. In fact, it felt rather dismissive and insulting.

Sec. 18.01 STATEMENT OF PURPOSE

18.01.01 This Article is intended to insure a thorough evaluation of a site and the potential impacts on public health, safety and welfare in relationship to the Township Master Planj and Grand River Avenue Certifier Study, drainage, utilities, natural resources, traffic patterns, adjacent parcels, landscaping, signs and the character of future development.

18.01.02 Site Plan Review. The site plan review standards and procedures provide an opportunity for the Planning Commission to review a proposed use in terms of site preparation and grading, building footprint practing supply and design, service areas, essements, access points, vehicular and pedestran traffic flow, landscape design, relationship to adjacent uses, adequacy of utilities, sortwarter management, placement of signs and lighting fixtures, preservation of significant natural features and aenthetics. This article is also intended to assist the Township in enaving that buildings, structures, and uses are in conformity with the provisions of this zouning ordinance, other ordinances of the Township, and state or county or federal stantes.

18.01.03 Impact Assessment. The impact assessment is intended to accompany a site plan to specifically address the anticipated impact of a proposed use on the natural features, economic climate, social environment, public infrastructure and public services in the Township. The impact assessment is intended to allow reasonable use of property while ensuring the long term community benefits associated with preserving environmentally sensitive lands and aesthetic resources, preventing erosion, excessive runoff or silation, preventing flooding or water pollution, preven natural water collection areas for purposes of protecting water quality and quantity, preserve certain habitats for wildlife, prevent excessive nunoff and maintain water levels so as not to destroy vegetation, protect voolands which moderate climatic extremes, recharge ground and surface water, buffer sight and sound, and

Reference: Article 18, pg 18-13

I have enclosed some notes from the Master Plan starting on the next page illustrating how this project is not in alignment with the Master Plan.

Sec. 18.08 STANDARDS FOR APPROVAL OF SITE PLAN AND IMPACT ASSESSMENT

Based upon the following standards, the Planning Commission or Township Board, as applicable, may approve, or approve with conditions or deny the site plan and impact assessment.

18.08.01 Building relationships. Buildings and structures will meet or exceed setback standards, height and other dimensional standards, and be placed to preserve environmentally sensitive areas. Maximum building and lot coverage (impervious surface satios) are consistent with the standards required by the zoning district.

18.08.02 Impact on surrounding land uses and zoning. The proposed site plan will be harmonious with, and not harmful, injurious, or objectionable to, existing and planned future uses in the immediate area. The proposed development will be coordinated with improvements serving the subject property and with the other developments in the vicinity.

Site Plan Review

18-13

Reference: Article 18, pg 18-14

Not harmonious Not complimentary

	GENOA TOWNSHIP ZONING ORDINANCE
18.08.03	Views. Placement and height of buildings, structures and parking shall preserve existing tiews of lakes, woodlands and other significant visual resources to the greatest extenseasonable.
18.08.04	Architecture. Proposed architecture shall complement the character of the surrounding are and comply with the standards of Section 12.01.
18.08.05	Preservation of wetlands. Regulated and non-regulated wetlands, and organic soils are preserved or modified in an acceptable manner. Required wetland setbacks are provided.
18.08.06	Stormwater management and Soil Erosion Control. The development will no substantially reduce the natural retention storage capacity of any watercourse, thereby increasing potential for flooding. Provisions have been made to accommodate stormwater which complements the natural drainage patterns and wetlands, prevents erosion and the formation of dust. On-site storage or sedimentation ponds may be required to reduce of file stormwater runoff. Stormwater nunoff on paved areas will be collected at intervals no obstructing the flow of vehicular or pedestrian traffic, create standing water or cause tumnecessary erosion of soil or other material.
18.08.07	Preservation of topography. The site plan and impact assessment demonstrate judicious effort to preserve the integrity of the land, existing topography and natural drainage patterns Grading or filling will not destroy the character of the property or the surrounding area as will not adversely affect the adjacent or neighboring properties. All finished grades are to match existing grades at the property lines unless grading easements are obtained from adjacent property owners.
18.08.08	Preservation of woodlands and trees. The site plan has been designed to preserve existing woodlands and individual quality trees with a caliper of eight (8) inches or greater to the greatest extent reasonable. In particular, the applicant has strived to preserve mature ods hickory, beech and maple trees. Woodlands, trees and natural areas to be preserved will be protected during construction by fencing or other barrier obvious to construction personnel If any trees are to be transplanted the applicant has described transplant methods adequately.
18.08.09	Greenbelts, landscaping and screening. Greenbelts along public street frontage and buffer zones from adjacent zoning districts have been provided in accordance with Section 12.02 Required parking lot landscaping is provided. The amount, type and minimum size of landscaping are identified in a plant list and appropriate labeling. Trees and shrubs native to Michigan have been used where appropriate. The overall design promotes the impression of a rural, natural landscape. Groundcover is primarily living material.
20.00.00	

Reference: Article 19, pg 19-3

Special land use?

(k) Impections: The Zoning Administrator shall make periodic investigations of developments authorized by special land use penuit to determine continued compliance with all requirements imposed by the Planning Commission or Township Board and this Ordinance. Non-compliance with the requirements and conditions approved for the special land use shall constitute grounds for the Township Board to terminate said approval following a public hearing. The hearing shall be as required by section 19 0.2 04(c). (as amended 35/10)

Sec 19.03 REVIEW AND APPROVAL OF SPECIAL LAND USES: GENERAL REVIEW STANDARDS

Prior to approving a special land use application the Planning Commission shall require the following general standards shall be satisfied for the use at the proposed location, in addition to specific standards for individual special land uses listed in the districts. The proposed special land use shall:

19.03.01 Master Plan. Be compatible and in accordance with the goals, objectives and policies of the Genoa Township Master Plan and promote the Statement of Purpose of the zoning district in which the use is proposed.

19.03.02 Compatibility. Be designed, constructed, operated and maintained to be compatible with, and not significantly after, the existing or intended character of the general twicinty;

19.03.03 Public Facilities and Services. Be served adequately by essential public facilities and services such as: highways, streets, police and fire protection, drainage structures, water and services such as: highways, streets, police and fire protection, drainage structures, water and services such as: highways, streets, police and fire protection, drainage structures, water and services such as: highways, streets, police and fire protection, drainage structures, water and services such as: highways, streets, police and fire protection, drainage structures, water and services such as: highways, streets, police and fire protection of excessive production of traffic, noise, vibrahon, smoke, fumes, odors, glare or other

Please consider the "FUTURE LAND USE" map

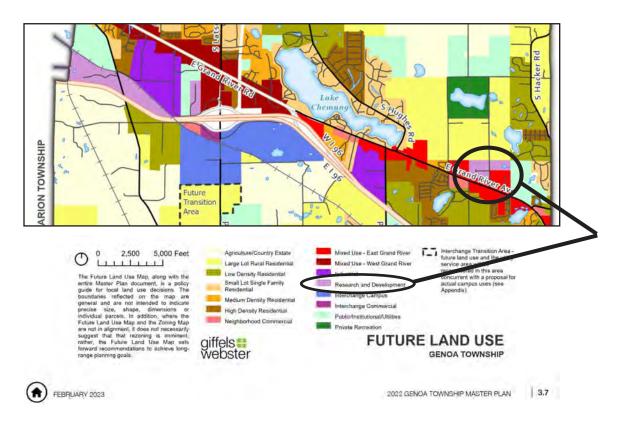
Research and Development

If this area is developed as "Research and Development" as indicated by the Master Plan, it fulfills most, if not all, of the criteria set forth in the Master Plan

- Efficient Land Use,
- Protection of farmland and natural areas,
- Efficient provision of utilities, services and infrastructure,
- An efficient transportation system,
- Locations for economic growth, and
- Diverse housing options.

(2023 Master Plan: pg 92, section 3.8)

This area could be developed to support so many people and their needs. I believe a construction yard serves almost nobody and is a waste of resources in a valuable location.



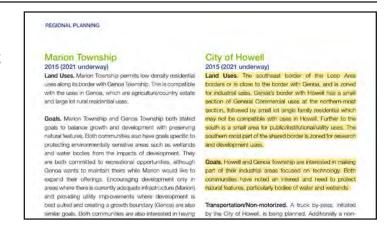
Goals.

Howell and Genoa Township are interested in making part of their industrial areas focused on technology.

Both communities have noted an interest and need to protect natural features, particularly bodies of water and wetlands.

(2023 Master Plan: pg 22)

Near the hospital, technology makes perfect sense. Lake and large pond should be protected.



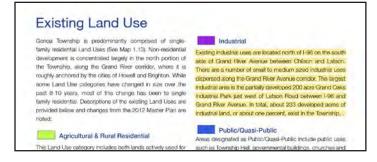
Natural Features

Ceroia Township is fortunate to have abundant natural resources, including takes, open spaces, woodands, and wellands. These natural resources make up a local society stem that includes widther habitat and important components that ownship to clean water and at The presence of threse natural features of the foreign of two-shores forwiship recisions, who benefit from not only their aseithetic beauty, but also from opportunities for active and pessive recreation. With origoning residential, commiscial, and industrial development occurring in the Township over the past 20-plus years, there is a need to be preactive in the preservation of thisse natural features.

Livingston County inventored high-quality natural areas throughout the county in 2004 and a recent update to that initial report in 202 identified and ranked remaining high-quality natural areas. The county's Planning Department uses the prioritized land areas as they review township, along amendments and recorning cases, playing a role in how natural resources are preserved and protected in Genosa Township, Maps of these areas in the country and the Township from the "Livingston County's High-Quality Natural Area Assessment" document are provided in the Appendix.

Soils, topography, woodlands, rivers, takes, creeks, wetlands, and floodplains takes a direct relationship with the Land Use in Genosa Township. Bact type of Land Use is influenced by the Township's natural resources and physical features for future generations, while backering the needs of the community for nousing and businesses.

This development would definitely impact my view. (2023 Master Plan: pg 46)



This is where a contractors yard should be. (2023 Master Plan: pg 62)



It appears there is vacant land in the 2 industrial complexes. Wouldn't this be more appropriate for this type of business? (2023 Master Plan: pg 63)





An appropriate place to put office space to accommodate the anticipated demand would be near the hospital, housing, shopping, access to the expressway. (2023 Master Plan: pg 77)

Goals and Objectives

Goals are general guidelines that explain what the community wants to achieve. Goals are usually long-term and represent global visions such as "protect the Townships's natural resources." Goals define the "what," "why," and "where," but not the "how," identifying obstacles to evercome is also useful in defining goals.

Objectives islantify the milestones that mark progress in achieving goats and provide more of the "how" goals will be implemented, For example, with a goal of "protect her lifewrithins natural resources," an objective to "invanitar the Townshib's tree cover" is semistring that may be mississed and straked over time.

Action items are more specific and define the steps to accomplien objectives and attain the identified goals. The most effective action strategies will include who will backle that task and when it should be accomplished. Using the above earingle objective of maintaining tree cover, one action strategy might be: "Using the Township's GIS data, map the oursent free cover in the Township's GIS data, map the oursent free cover in the Township."

The overall goals of this Master Plan are to:

- Accommodate a variety of Land Uses in a logical pattern and complement community goals, the surrounding Land Uses, environment, capacity of roads and the sanifary sewer, and public water system capabilities.
- Provide land owners with reasonable use of their land in a manner that is compatible with adjacent Land Uses and the overall Land Use plan for the Township and the capacity of infrastructure.
- Promote harmonious and organized development consistent with adjacent Land Uses.
- Develop and maintain flexible codes and ordinances to meet the needs of current and future residents
- Manage development by maintaining a growth boundary to encourage efficient use of land, protect farmland and natural features; and allow the efficient provision of public services; utilities; and intrastructure.

Goals and Objectives

- 1 Not logical to have industrial next to residential
- 2 Not compatible
- 3 Not harmonious
- 4 Not efficient use of public services, utilities, and infrastructure

(2023 Master Plan: pg 79)

GOALS & OBJECTIVES

2

Economic Development

Job Creation, Grand River Avenue is a well-developed commercial and transportation corridor in the Township that provides local jobs and employment. Quality industrial and technology-based development near Grand River and at 1-96 interchange areas in the Township Will help diversity the tax base with room for future expansion, where not in conflict with surrounding Land Uses, Utilities, including broadband services, support local businesses and residents with home based businesses.

Mix of Goods and Services. Gence Township is centrally located in Livingston County, offering a wide variety of goods, services and jobs to residents and visitors. The Township will strive to attract new businesses that lead towards the creation of "hubs" of activity. Work with hospitals and service providers to coordinate programming and leverage synergies to recruit compatible users that will promote the Grand River Corridor asst as a community health hub.

Development. Development and redevelopment will be strategically located, primarily along the Grand River corridor to provide employment, shopping and recreational opportunities for current and future residents of the Township. High-quality site and building design will contribute to strong resignation-bods, with shopping districts, and desirable employment centers. Support residents who work from home, either on a full time or part time basis.

Objectives:

- Allow flexibility of uses in the Grand River corridor.
- Ensure uses that rely on the interstate highway for logistics/transportation have adequate access:
- Work with property owners to identify and locate compatible/complementary users in concentrated areas to promote a thinking economic ecosystem.
- Strengthen the reputation of Genou Township in the region for business development and job creation.
- Ensure adequate housing for the local workforce to support economic development.
- Support local broadband and technology services that will allow residents to work from their homes.

Measures of Success. How can the Township track progress towards the goals?

- Commercial building permits increase
- Sign permits increase
- The number of jobs in the Township increases:
- The number of residents who work in the Township increases.
- The number of housing units within ½ mile of Grand River Avenue increases

Job Creation

All the land should be dedicated to bringing in jobs and connecting with the massive medical community that is coming.

(2023 Master Plan: pg 81)

Industrial

Industrial: The intent is to develop industrial uses such as research, wholesale and warehouse activities and light industrial operations which manufacture, compound, process, package, assemble and/or treat finished or semi-finished products from previously prepared material. The processing of raw material for shipment in bulk form, to be used in an industrial operation at another location is found only in very defined and limited portions of this area.

Research and Development: This area should be developed as a light industrial/R&D/office park. High quality building architecture should be utilized to convey a high-quality image. Enhanced landscaping and screening should be provided along adjoining major thoroughfares. Flexibility in some zoning requirements may be considered in exchange for these aesthetic enhancements. There are two areas designated as R&D; one in the eastern end of Grand River near Euler Road that is partially developed and the second in the northwest, bounded by I-96 and the railroad, bisected by Chilson Road. These may be good areas to consider for alternative energy facilities, notably solar energy. Particularly along the Chison Road corridor, as the eastern portion is tand-locked with the highway, and railroad. This area could serve as workforce housing, if it had non-motorized access over the railroad to Victory Drive or Grand Oaks Drive.

What are "regional" uses?

Regional uses are typically located in geographic the total points of regional commerce, identity, and activity. They cater to many neighborhoods and communities and serve a significantly larger population than the community in which they are

Regional centers contain a diversity of uses such as corporate and professional offices, retail commercia shopping centers and malls, government buildings (countly or district-serving), major health facilities major entertainment and cultural facilities and supporting services. Housing may be integrated with commercial uses to serve as workforce, support services, recreational uses, open spaces, and

Regional centers, typically, provide a significant. number of jobs and many non-work destin that generate and attract a high number of vehicular trips. They are typically high-density places whose physical form is substantially differentiated from the lower-density neighborhoods of the community.

Industrial - Research and Development Developments should be of high quality building architecture to convey a high-quality image. (2023 Master Plan: pg 88)

East Grand River District

This district covers the area from the Township's eastern border (north of Herbst) west to the I-96 interchange. It includes the "lake district," where public access to Lake Chemung is provided on Grand River Avenue and also the "health hub," which is a potential development area centered around St. amenities offer coportunities to locate jobs, retailers, stion/entertainment, office and residential uses in a way that focuses on and supports community health. Buildings are intended to be one- to two-stones and sites developed in a way that minimizes the importance of the automobile and prioritizes the pedestrian. Housing in this area could focus on housing for older residents, providing them easy access to nearby medical facilities as well as other goods and services.

West Grand River District

This district will reach from the I-96 interchange at the past end to the western boundary of the Township, west of Colf Club Drive. This area is envisioned for a higher intensity of commercial and residential uses than the East Grand River District. Currently developed with general commercial and office along Grand River, this area is intended to continue to promote these uses that are supported by area and regional residents as well as pass-by traffic along Grand River Avenue, including interchange traffic from I-96. Buildings of one- to three-stories are envisioned, with higher and larger buildings set back from single family residential. Residential uses could range from attached units to stacked flats and will contribute to the worklorce and customer base for the district

Grand river corridor mixed use

"Health hub" with excellent potential for jobs, restaurant, office.

Transportation can be by city bus or LETS, very green (2023 Master Plan: pg 89)

FEBRUARY 2023

2022 GENDA TOWNSHIP MASTER PLAN 3.5



Zoning Plan

RELATIONSHIP BETWEEN MASTER PLAN AND ZONING ORDINANCE

Master Plan

Long range vision that guides community policy

Community Master Plans Illustrate the vision for the future and contain guiding principles that help a community create land development policies and make Land Use decisions. In Michigan, the value of the Master Plan as an important community document is recognized, which is why the state of Michigan requires the Master Plan be reviewed every five years. The Township should check in on their progress regularly and ensure the vision and guiding principles are still relevant.

Zoning Ordinance

Legal framework that regulates development

A Zoning Ordinance regulates the use of land. Adopting regulations that support the goals of the Master Plan helps ensure that future development will be in line with the community's goals and vision. It is also helpful to develop an itemized implementation guide for a Master Plan. The Zoning Ordinance is one of the primary tools for implementing a Master Plan; there should be a clear connection between Master Plan goals and the Zoning Ordinance, Many of the Land Use. recommendations, goals and objectives found in the Master Plan can be aided by amendments to the Township's Zoning Ordinance.

THANK YOU For Your Time and Consideration

Respectfully, Marie and Chris Parrish

@Giffelswebster Inc.

The Solution

I would ask the owners of this proposed development to consider the following points:

Building something to be proud of can take form many ways. This stretch of Euler rd. is prime for development in the form of office space and/or research and development.

You (Spencer) spoke of the family business and building your legacy in which you could leave to your children. Imagine for a minute, that you built beautiful office spaces and leased them to the many doctors, business professionals, and the like who would come to work in the massive hospital addition that is currently under way. Now that is something to be proud of. It benefits the community in so many ways and teaches your children to be good stewards of the community they will grow up in.

You are literally sitting on a gold mine. If you can open to the possibility of moving your contractor's yard to a more appropriate location and build something that positively impacts the community, and is ultimately for the greater good, on this land at 2025 Euler, how can you lose? Ultimately, everyone wins and that is something to be proud of.

I urge you to please consider working with the township to develop this area for the best use. You have the most amazing opportunity in front of you and my only regret is that I did not buy the land first.

We truly hope for a resolution that benefits everyone. You, me, and this growing community.

Respectfully,

Marie and Chris Parrish



January 2, 2024

Planning Commission Genoa Township 2911 Dorr Road Brighton, Michigan 48116

Attention:	Amy Ruthig, Planning Director
Subject:	2025 Euler Road Business Park – Special Land Use and Condominium Plan Review #2
Location:	2025 Euler Road – east side of Euler Road, north of Grand River Avenue
Zoning:	IND Industrial District

Dear Commissioners:

At the Township's request, we have reviewed the revised submittal from 4M Genoa, LLC for special land use and condominium plan review for a 2-unit non-residential (industrial) development at 2025 Euler Road (site plan dated 12/19/23).

A. Summary

1. Special Land Uses (Section 19.03):

- a. In order to make a favorable finding related to the Master Plan, the Commission needs to deem the building architecture "high quality" and the site landscaping "enhanced."
- b. In order to make favorable findings related to compatibility and impacts, the conditions of Section 8.02.02(b) and 13.07 need to be met to the Commission's satisfaction, with particular attention paid to protecting the adjacent residence.
- c. The applicant must address any comments provided by the Township Engineer or Brighton Area Fire Authority regarding public facilities and services.

2. Outdoor Storage (Section 8.02.02(b)):

a. The use of gravel surfacing requires a recommendation by the Township Engineer.

3. Site Plan Review:

- a. The applicant must address any comments provided by the Township Attorney regarding the condominium documents.
- b. Building materials and design, including color palette, are subject to review and approval by the Planning Commission.
- c. The amount of metal as a building material exceeds that allowed.
- d. The applicant should be prepared to present building material and color samples at the Planning Commission meeting.
- e. Parking space depths may be reduced by 2' (if desired by the applicant).
- f. The applicant must make arrangements for refuse removal since the receptacles are behind security gates.



Aerial view of site and surroundings (looking north)

B. Proposal/Process

The applicant proposes to create a 2-unit non-residential site condominium for use as contractor's offices and yards with outdoor storage and accessory fuel storage.

The 13.33-acre site is zoned IND and currently contains a variety of buildings and structures that will be removed to accommodate the project.

Table 8.02 allows contractors yards with outdoor storage with special land use approval in the IND. The request is also subject to the use conditions of Section 8.02.02(b).

Procedurally, the Planning Commission is to review the special land use, preliminary condominium plan, and Environmental Impact Assessment, and put forth recommendations to the Township Board following a public hearing.

The applicant should be aware that the condominium review process also entails a final plan review by the Planning Commission and Township Board, per Section 12.07.

C. Special Land Use Review

Section 19.03 of the Zoning Ordinance identifies the review criteria for Special Land Use applications as follows:

- 1. Master Plan. The Township Master Plan identifies the subject site as Research and Development, which is intended for development "as a light industrial/R&D/office park." This category also references "high quality architecture" and "enhanced landscaping."
 - In order for the Commission to make a favorable finding under this standard, they need to deem the building architecture to be "high quality" and the site landscaping "enhanced."
- **2. Compatibility.** The subject area contains a variety of uses, including residential, office, commercial, institutional, and industrial.

The primary concern under this standard is protection of the adjacent residence north of the subject site.

Genoa Township Planning Commission **2025 Euler Road Business Park** Special Land Use and Condominium Plan Review #2 Page 3

The use conditions of Section 8.02.02(b), which include setback and screening requirements, are intended to help mitigate potential off-site impacts of the outdoor storage areas.

Provided the use conditions are met to the Commission's satisfaction and the adjacent residence can be properly protected from adverse impacts, the proposal may be viewed as compatible with the character of the area.

3. Public Facilities and Services. Given that the site fronts Euler Road and was previously developed, we anticipate that necessary public facilities and services are in place.

With that being said, the applicant must address any comments provided by the Township Engineer and/or Brighton Area Fire Authority related to this standard.

- **4. Impacts.** The use conditions for contractor's yards with outdoor storage must be met to the Commission's satisfaction to ensure there are no adverse impacts upon the environment.
- **5. Mitigation.** If additional concerns arise as part of the review process, the Township may require additional efforts to mitigate potential adverse impacts.
- **D.** Conditions (Outdoor Storage)

Contractor's yards with outdoor storage are subject to the use requirements of Section 8.02.02(b), as follows:

1. Minimum lot area shall be one (1) acre.

The subject site contains a total area of 13.33 acres.

2. Any stockpiles of soils, fertilizer or similar loosely packaged materials shall be sufficiently covered or contained to prevent dust or blowing of materials.

The special land use application form states that "stockpiles will be covered."

3. All outdoor storage areas shall be paved with a permanent, durable and dustless surface and shall be graded and drained to dispose stormwater without negatively impact adjacent property. The Township Board, following a recommendation of the Planning Commission and the Township Engineer, may approve a gravel surface for all or part of the display or storage area for low intensity activities, upon a finding that neighboring properties and the environment will not be negatively impacted.

The outdoor storage areas are partially surfaced with concrete between the two buildings, and gravel to the rear of the concrete.

The Commission should consider any comments from the Township Engineer regarding this aspect of the project.

4. No outdoor storage shall be permitted in any required yard (setback) of buildings for the district in which the outdoor display, sales or storage use is located. Any approved outdoor sales or display with a parking lot shall meet the required parking lot setback; provided the Planning Commission may require additional landscaping screening or ornamental fencing.

Both of the outdoor storage areas meet or exceed minimum IND setback requirements.

Genoa Township Planning Commission **2025 Euler Road Business Park** Special Land Use and Condominium Plan Review #2 Page 4

5. The site shall include a building of at least five hundred (500) feet of gross floor area for office use in conjunction with the use.

Each condominium unit includes a 20,000 square foot building.

6. All loading and truck maneuvering shall be accommodated on-site.

The site plan demonstrates compliance with this standard.

7. All outdoor storage area property lines adjacent to a residential district shall provide a buffer zone A as described in Section 12.02. A buffer zone B shall be provided on all other sides. The Planning Commission may approve a six (6) foot high screen wall or fence, or a four (4) foot high landscaped berm as an alternative.

The landscaping is reviewed in greater detail in our Site Plan Review below; however, the proposal provides for a Buffer Zone A along the north side of the property and a Buffer Zone B along the south side.

Existing vegetation at the rear of the property will remain (outside of the detention pond).

8. The height of all material and equipment stored in an outdoor storage area shall not exceed the height of any landscape screening, wall or fence. Boats and recreational vehicles may exceed the height of the fence provided that they are setback from the fence a distance equal to their height. Storage of materials up to the height of the adjacent building wall may be permitted in the rear yard if it is illustrated on the site plan, the rear yard does not abut a residential district or face an expressway, and such storage is confined to within twenty (20) feet of the building.

The special land use application form states that "materials will be stored in accordance with 8."

E. Site Plan Review

- 1. Condominium Requirements. The submittal provides the information required, including the condominium documents (Master Deed and By-Laws). As has been typical of past condominium plan reviews, the condominium documents are subject to review and comment by the Township Attorney.
- **2. Dimensional Requirements.** As shown in the table below, the proposed 2-unit condominium development complies with the dimensional requirements of the IND:

	Min. Lot Req.		Minimum Yard Setbacks (feet)		Max. Lot Coverage	Max.		
							(%)	Height
	Area	Width	Front	Side	Rear	Parking		
	(acres)	(feet)	Yard	Yard	Yard	Lot		
IND	1	150	85	50 (N)	40	20 front	40% building	30'
	1	130	63	25 (S)	40	10 side/rear	85% impervious	2 stories
Proposal							11.1% building (1)	
	4.15 (1)	210(1)	153 (1)	50 (N)	435 (1)	85 front	64.4% impervious (1)	30'
	5.14(2)	236 (2)	159 (2)	25 (S)	535 (2)	25 side (S)	8.9% building (2)	2 stories
							64.4% impervious (2)	

3. Building Design and Materials. Building materials and design, including color palette, are subject to review and approval by the Planning Commission.

Genoa Township Planning Commission 2025 Euler Road Business Park

Special Land Use and Condominium Plan Review #2

Page 5

The elevation drawings identify several types of metal panels and siding and a painted concrete base. The revised submittal includes material calculations noting an excess amount of metal (25% maximum allowed).

Additionally, the applicant should be prepared to present material and color samples at the Planning Commission meeting.

4. Pedestrian Circulation. Public sidewalks are not provided, nor required, along Euler Road.

Internal sidewalks (7' wide) are proposed along the front and sides of each building.

5. Vehicular Circulation. The site currently provides at least 2 driveway connections to Euler Road; however, these will be removed and the proposed plan includes only a single driveway to be shared by both Units.

Required driveway spacing/offset from intersections and other non-residential drives appears to be met; however, the applicant must address any comments provided by the Township Engineer and/or the Brighton Area Fire Authority with respect to vehicular circulation.

5. Parking. Based on the parking calculations provided, each Unit requires 28 parking spaces. The proposed site plan complies with the total amount of parking required, including the number of barrier-free spaces (2 per Unit).

The design and dimensions of parking spaces and drive aisles comply with Ordinance standards.

It is worth noting that the space depths may be reduced by 2' since they overhang 7' wide sidewalks and/or curbed landscaped areas. This would allow the applicant to reduce the amount of impervious surface proposed.

6. Exterior Lighting. The lighting plan identifies 12 light poles and 6 wall mounted fixtures.

Based on the detail sheets provided, the proposed fixtures are downward direct LED, as required.

Pole heights and photometric readings (both on-site and along property lines) comply with Ordinance standards.

7. Landscaping. The landscape plan has been reviewed for compliance with the standards of Section 12.02, as follows:

Standard	Required	Proposed	Notes
Front yard	20' width	85' width	In compliance
greenbelt	12 canopy trees	12 canopy trees	_
Parking lot	6 canopy trees	6 canopy trees	In compliance
	560 SF landscaped area	560+ SF landscaped area	_
Buffer Zone A (N)	50' width	50' width	In compliance
	6' wall or 4' berm	4' berm	
	48 canopy trees	52 canopy trees	
	96 evergreen trees	96 evergreen trees	
	192 shrubs	192 shrubs	
Buffer Zone B (S)	20' width	25' width	In compliance
	6' wall or 3' berm	3' berm	
	29 canopy trees	29 canopy trees	
	29 evergreen trees	29 evergreen trees	
	116 shrubs	116 shrubs	
Detention pond	15 trees	10 new trees	In compliance
	150 shrubs	8 existing trees	
		150 shrubs	

8. Waste Receptacle. The site plan provides a waste receptacle and enclosure for each Unit in accordance with Section 12.04, as follows:

	Requirement	Proposed	Comments
Location	Rear yard or non-required side yard	Rear yard (within outdoor storage areas)	Requirements met
Access	Clear access w/ out damaging buildings/vehicles	Access is behind a security gate	Applicant must make arrangements for removal
Base design	9' x 15' concrete pad	10' x 20' concrete pad	Requirements met
Enclosure	3-sided enclosure w/ gate Masonry walls 6' height/taller than receptacle	Gated enclosure Brick to match buildings 6'	Requirements met

Should you have any questions concerning this matter, please do not hesitate to contact our office.

Respectfully, **SAFEBUILT**

Brian V. Borden, AICP

Michigan Planning Manager



January 3, 2024

Ms. Amy Ruthig Genoa Township 2911 Dorr Road Brighton, MI 48116

Re: Euler Road Development Site Plan Review No. 2

Dear Ms. Ruthig:

Tetra Tech conducted a second review of the proposed 2025 Euler Road site plan last dated December 19, 2023. The plan was prepared by Desine, Inc. on behalf of 4M Genoa LLC. The development is located on the east side of Euler Road, approximately 1,200 feet north of Grand River Avenue. The Petitioner is proposing two 20,000 square foot industrial buildings. Improvements include storm sewer, detention, and public water main and sanitary sewer expansion.

We offer the following comments for your consideration:

GENERAL

1. The Genoa Township Zoning Ordinance requires that the parking lot be hard surface with concrete curb and gutter. However, the aggregate parking lot may be considered as a Low Impact Development alternative to the zoning requirements. Since the primary use of the proposed gravel lots is storage, we have no objection to the use of gravel for the storage areas.

UTILITIES

- 1. After final site plan approval, water main and sanitary sewer construction plans should be provided to MHOG Sewer and Water Authority for their review and approval and permitting with EGLE.
- 2. The domestic water lead should come off the fire suppression line closer to the proposed buildings per MHOG standard details. This can be revised as part of MHOG's construction plan review after final site plan approval.

We recommend the petitioner address the above comments to the Township's satisfaction prior to approval. Please call or email if you have any questions.

Sincerely,

Project Engineer

BRIGHTON AREA FIRE AUTHORITY



615 W. Grand River Ave. Brighton, MI 48116 o: 810-229-6640 f: 810-229-1619

December 26, 2023

Amy Ruthig Genoa Township 2911 Dorr Road Brighton, MI 48116

RE: Euler Road Development

2025 Euler Road Genoa Twp., MI

Dear Amy,

The Brighton Area Fire Department has reviewed the above-mentioned site plan. The plans were received for review on December 20, 2023, and the drawings are dated November 3, 2023 and revised on December 19, 2023. The project is based on the redevelopment of an existing 13.33-acre parcel into a site condominium development for commercial use. The parcel will be split into a 5.14-acre and a 4.15-acre parcel. The applicant proposes two, two-story, 20,000-square-foot mixed-use commercial structures and a shared outdoor storage yard. The plan review is based on the requirements of the International Fire Code (IFC) 2021 edition.

- 1. HYD B & HYD C must be a minimum of 40 feet from the building. (Both hydrants have been relocated to the rear of the buildings along the property boundary to comply. It should be noted that an additional hydrant has been installed at the entrance drive and provides improved protection for each building.)
- 2. The building shall be provided with an automatic sprinkler system in accordance with NFPA 13, Standard for the Installation of Automatic Sprinkler Systems. (Note provided on Sheet SP.)

IFC 903

- A. The FDC shall be located at the front of the building (Euler Rd.). (FDC locations are shown on the front of each building. Actual locations will coordinated during construction.)
- B. The location, size, gate valve, and connection of the fire protection lead shall be indicated on the utility site plan. Fire lead shae shall be a minimum of a 6" pipe. (Locations are now provided on Sheet UT1.)
- 3. The buildings shall include the address a **minimum of 6"** high letters of contrasting colors and be clearly visible from the street. The location and size shall be verified prior to installation. (**Note provided on Sheet SP to comply.**)

FC 505.1

4. It is recommended that the shared access to the rear storage yard be widened to be minimum of 40 feet rather than 30 feet. In the event of a future separation of the storage yards, 15-foot access into the yards does not meet the required emergency access width of 20 feet. (The shared access drive has been widened to accommodate future potential uses.)



December 26, 2023 Page 2 Euler Road Development 2025 Euler Rd. Site Plan Review

5. A minimum vertical clearance of 13½ feet shall be maintained along the length of all apparatus access drives. This includes but is not limited to porte-cocheres, lighting, and large canopy trees.

IFC 503.2.1

6. The shared drive to the storage yard shall be signed on both sides as a fire lane. Include the location of the proposed fire lane signage and a detail of the fire lane sign in the submittal. Access roads to the site shall be provided and maintained during construction. Access roads shall be constructed to be capable of supporting the imposed load of fire apparatus weighing at least 84,000 pounds.

IFC D 103.6 IFC D 103.1 IFC D 102.1 IFC D 103.3

7. A Knox Box shall be indicated on future submittals. The box shall be located adjacent to the main entrance of each structure, in a location coordinated with the fire authority. The access gate shall be provided with an appropriate rapid access KNox device whether manual or automatic; either a Knox Padlock married to the security chain on a manual gate, or a Knox Key Switch integrated into the controller/keypad for emergency bypass. (Knox boxes are shown on Sheet SP. Gate access control type not not provided, but is noted to comply and will be coordinated during construction.)

IFC 506.1

- 8. Provide additional information regarding the two fuel storage areas. Include tank volume & construction, surface, and tank contents. (Fuel storage has been removed form the drawings.)
- 9. During the construction process, the building will be evaluated for emergency responder radio signal strength. If coverage is found to be questionable or inadequate; the contractor or the building owner shall hire an approved contractor to conduct a grid test of the facility. If the signal strength coverage is found to be non-compliant, an approved emergency responder radio coverage system shall be provided in the building. (Not acknowledged as part of site plan but will be enforced dring construction.)

IFC 510

10. Provide names, addresses, phone numbers, emails of owner or owner's agent, contractor, architect, on-site project supervisor. (**Provded on Cover Sheet.**)

Additional comments will be given during the building plan review process (specific to the building plans and occupancy). The applicant is reminded that the fire authority must review the fire protection systems submittals (sprinkler & alarm) prior to permit issuance by the Building Department and that the authority will also review the building plans for life safety requirements in conjunction with the Building Department.

If you have any questions about the comments on this plan review please contact me at 810-229-6640.

Cordially,



BRIGHTON AREA FIRE AUTHORITY

December 26, 2023 Page 3 Euler Road Development 2025 Euler Rd. Site Plan Review

Rick Boisvert, CFPS Fire Marshal

cc:Amy Ruthig amy@genoa.org

2025 EULER ROAD DEVELOPMENT Genoa Township, Michigan Site Plan Application

IMPACT ASSESSMENT

Owner:

4M Genoa, L.L.C. 2244 Euler Road, Suite 102 Brighton, MI 481144

Prepared by:

DESINE INC. 2183 Pless Drive Brighton, Michigan 48114

A. INTRODUCTION

This impact assessment has been prepared pursuant to Article 18 – <u>SITE PLAN REVIEW</u> of the Zoning Ordinance for the Township of Genoa, Livingston County, Michigan. This assessment addresses the impact of the proposed buildings, parking lot, and storage yard on the surrounding community and the economic condition and social environment of the Township.

This Impact Assessment has been prepared under the direction of Wayne Perry, P.E., DESINE INC., 2183 Pless Drive, Brighton, Michigan 48114. Mr. Perry is a licensed Civil Engineer, providing professional engineering services in Livingston County since 1988 with experience in private and municipal development including projects within Genoa Township and Livingston County.

B. SITE LOCATION / DESCRIPTION

The site is comprised of a single parcel, containing 13.33 acres of property, bordered on the North by a single family residence at 1885 Euler Road, a St. Joseph Mercy medical campus on the East, a parcel containing a commercial building and cell phone tower to the South, and Transtar Autobody Technologies, to the West across Euler Road, as shown on Figure 1. The parcel and the neighboring parcel to the south are zoned Industrial (IND). The parcel to the north is zoned Country Estate (CE). The parcel to the west is part of a Planned Industrial Park (PID). The parcel to the east is a Non-residential Planned Unit Development (NRPUD).

Adjacent uses include single family residential to the North, light industrial and commercial business to the West and South, a cell phone tower to the South, and the medical campus for St. Joseph Mercy to the East. The portion of the St. Joseph Mercy parcel that is bordering the subject parcel is almost entirely water along the shared boundary. The nearest structure on the St. Joseph Mercy parcel is approximately 900 feet from the subject parcel. Properties on the North Side of Grand River Avenue are retail and commercial usage.

The property currently contains an existing residential structure, two existing out buildings, unpaved drive, and miscellaneous debris. Various trees and miscellaneous vegetation occupy the site throughout. A portion of a small pond with no outlet exists on the south property line. A portion of a larger lake exists at the northeast corner of the parcel. The existing structures were previously used by a septic system company for commercial purposes. The existing structures have fallen into disrepair and the site contains a multitude of debris and detritus. The Existing Conditions Plan provides a detailed overview of the existing site features.

The proposed development plan depicts site improvements to be constructed on the parcel. Improvements consist of demolishing the existing structures, clearing brush, debris, and dead trees, constructing a new paved driveway to Euler Road, constructing a parking lot, constructing two commercial buildings, installing sanitary sewer and water service leads, constructing a fenced gravel storage area, and constructing a stormwater management system consisting of runoff collection structures, underground conveyance, and a detention basin. Included in the construction is the installation of landscaping as required by the Township Zoning Ordinance.

Existing access to the property from is from Euler Road via a single unpaved access drive at the west end of the parcel. The existing approach will be replaced with a paved approach.

C. IMPACT ON NATURAL FEATURES

Natural features on the subject parcel are various existing trees scattered around the parcel with miscellaneous shrubs and vegetation mixed in, in addition to portions of two water bodies on site; a portion of small pond on the south parcel boundary and a portion of a larger lake at the northeastern corner of the parcel. Five wetland areas were identified on site by the wetland consulting firm, ASTI Environmental (see Figure 4). Wetland #1 is identified as an emergent wetland in the center of the parcel due to soil conditions. Wetland #2 is comprised of the pond and adjacent areas at the southern parcel boundary. Wetland #3 is comprised of the portion of the small lake and adjacent area at the northeastern corner of the parcel. Wetland #4 is comprised of areas adjacent to the offsite pond near the northern parcel boundary. Wetland #5 was identified in the western third of the parcel due to soil conditions. Wetlands #1 and #5 were identified to be unregulated by the Michigan Department of Environment, Great Lakes, and Energy (EGLE). Wetlands #2, #3, and #4 were identified as being regulated by EGLE.

Existing topography of the parcel is varied. The parcel is highest Euler Road and its western boundary at an elevation of approximately 976. The parcel falls approximately 5 feet with in the first third of its depth, before becoming mostly flat through its middle third. The eastern third of the parcel is occupied by mounds of fill material, but otherwise drops approximately 10 feet moving eastward towards the small lake at the northeastern corner of the parcel. Runoff currently sheet flows from Euler Road and the adjacent parcel to the south, in northeasterly pattern to the small lake at the northeastern corner of the parcel.

Existing soils on the property are a mixture Boyer-Oshtemo loamy sand, Brady loamy sand, Fox sandy loam, Fox-Boyer complex, and Carlisle muck. These soils are generally moderately drained, moderately permeable sands and loams, with the exception of the Carlisle muck. Soil classifications were identified in the ASTI Environmental Wetland Delineation and Jurisdictional Assessment. The Soils Map, shown in Figure 3, shows the locations of specific soil types as classified.

The proposed construction and improvements will require filling and grading in the western portion of the property to raise the existing ground elevation to provide positive drainage away from the proposed structures and within proposed parking lots. Excavation will be required to construct the proposed storm water conveyance system and the proposed detention basin. Some excavation work will be done to remove various mounds of fill material scattered around the site.

The limits of disturbance for the project are the property boundaries and the right of way boundary with Euler Road. Grading for this project will maintain the general character of the existing site. Development of this project will require earthwork to modify site grades with useable materials from the site and import of any additional required structural fill material. The proposed elevations and grading of the site meet the existing grades at the property lines.

Landscaping is proposed for the developed portion of the site to reduce the visual impact

of the proposed project. All proposed landscaping areas are designed to bring the site into compliance with Township standards and have been designed to improve the aesthetics of the property. Within the developed portion of the site, areas not otherwise covered, shall have lawn or other vegetative surface cover established.

Surface drainage characteristics on the property will be affected by construction of the proposed structures, parking lot, and storage yard. Construction of the proposed improvements will increase the impermeable area of the property resulting in an increase in the surface water runoff generated. A storm water conveyance system has been designed to collect and control the increased surface water runoff from the proposed structures and parking areas. The ultimate outlet of stormwater has not been changed in this transition from sheet flow to concentrated flow.

The proposed changes and modifications to the surface drainage conditions will not significantly impact local aquifer characteristics or groundwater recharge capacity. All surface water runoff from the improved areas of the site will be directed into the proposed stormwater conveyance system and detention basin, with an ultimate outlet of the small lake at the northeastern corner of the parcel. Unimproved areas will maintain their current drainage patterns; which are the small pond at the southern property boundary for its surrounding unimproved area and the small lake at the northeastern property corner for its adjacent unimproved areas. No significant impact to adjacent properties is anticipated from storm water runoff from the site.

Upland wildlife habitats on the property consist of primarily field vegetation and scattered trees, mostly concentrated along the property boundaries. Wildlife supported in this area is generally smaller field animals and birds, but may include medium sized animals and deer due to the rural nature of nearby property. Previous development and use of the property, the adjoining commercial development to the south, and the proximity of roadways, limits the existing upland habitat.

The project site does not currently support any significant wildlife habitat and the proposed construction will not have a significant impact on overall habitat quality. No significant adverse impact to natural features is anticipated due to the proposed re-development of this property.

D. IMPACT ON STORM WATER MANAGEMENT

Excavation and grading will be undertaken to construct the proposed stormwater conveyance system and detention basin. The proposed buildings, parking lot, and storage yard are sloped to direct storm water flow into the storm water conveyance system. This system will discharge surface water runoff generated by development of the property to proposed detention basin at the eastern end of the parcel. A small portion of the storage yard will direct surface runoff to the detention basin via a vegetated swale. Site grading will meet existing grades on adjoining properties. No adverse impact to adjoining properties is anticipated due to the construction and grading of the property.

Soil erosion and sedimentation are controlled by the Soil Erosion Control Act No. 347 of the Public Acts of 1972, as amended and is administered by the Livingston County Drain Commissioner. Silt fencing will be installed around all disturbed areas of the site during construction. The Contractor shall comply with all regulations including control during and after construction.

Impact on adjoining properties due to the construction of this site will be minimized by implementing soil erosion control methods. No adverse impact to adjacent properties due to surface water runoff will be created as a result of the proposed improvements.

E. IMPACT ON SURROUNDING LAND USES

Land surrounding the subject parcel has a variety of zoning. The parcel to the north is zoned Country Estate (CE). The parcel to the east is zoned as a Non-Residential Planned Unit Development (NR-PUD). The parcel to the south is zoned Industrial (IND). The parcel to the west is zoned as part of a Planned Industrial Park (PID).

A newly constructed home occupies the parcel to the north. The majority of this parcel is vacant vegetated land. The parcel to the east is a large single parcel that contains a St. Joseph Mercy medical campus, with several buildings for various medical and related uses on site. The boundary shared with the subject parcel is mostly occupied by the shore of a small lake. The nearest building on this eastern parcel is approximately 900 feet from the subject parcel boundary. The parcel to the south is occupied by a small commercial structure, a cell phone tower, and miscellaneous vegetation. The parcel to the west is occupied by Transtar Autobody Technologies and is used as an industrial facility.

The Genoa Township Future Land Use Plan designates this property for Research and Development uses. The property to the north is designated as Agriculture/Country Estate. The property to the east is designated as Public/Institutional/Utilities. The properties to the south and west are also designated as Research and Development.

The proposed uses depicted on the development plan are consistent with existing development in the area and are generally consistent with the long-term planning within the Township.

The landscaping and architecture proposed will allow this site to be developed to compliment the surrounding properties. The impact of the improvements to the surrounding area has been minimized.

Ambient noise levels on and around the property are largely generated by Euler Road vehicle traffic. Daily activities within the proposed building are not anticipated to create an increase in the sound level in the area. Some noise may be generated by moving equipment when other equipment or materials are being on and offloaded in the proposed storage yard. Any generated noises will be during business hours and non-continuous.

All site lighting shall meet the requirements of the Genoa Township Zoning Ordinance. Proposed building mounted fixtures and pole mounted site lighting will be shielded and down directed on the site. General site lighting for other uses, excluding safety and emergency lighting, shall be energized between the times from dusk to 12:01 a.m. and from 5:00 a.m. to dawn.

The building façades along the building front (West side) is the most visible portion of the structure from Euler Road. The building front is designed to be the primary entry point for the majority of customers and employees. The south side of the southern building and north side of the northern building will be facade and not designed to function as an entrance or exit and has limited window space. The only means of ingress and egress from

these sides will be fire doors. The south wall of the northern building and the north wall of the southern building will contain the overhead doors for the purposes of delivery and pick up of materials and equipment stored in the building. The rear of both is solely façade and has no access points.

The proposed use of the property does not create any significant emissions of smoke, airborne solids, odors, gases, vibrations, noise, or glare discernable and substantially annoying or injurious to person and/or property beyond the lot lines. No significant change in air pollution is anticipated.

The Contractor shall be responsible for initiating and maintaining adequate dust control measures during and after construction until the project site is fully stabilized and a vegetative cover established. Dust control measures used during construction may consist of site watering, mulching of completed areas, installation of windbreak fencing, and application of chemical dust control materials. The site will comply with the performance standards contained in Section 13.05 of the Township Zoning Ordinance.

F. IMPACT ON PUBLIC FACILITIES AND SERVICES

The Livingston County Sheriff and Michigan State Police will provide Police protection. Public safety services required to accommodate the proposed use are anticipated to be minor.

The Brighton Area Fire Department as a part of an existing governmental agreement will provide fire protection service. Fire hydrants currently exist on the west side of Euler Road just south of the south property boundary and near the center of the subject parcel. Three new fire hydrants are proposed on site. One will be located between the two proposed structures, and two will be located at the rear of each structure. Knox Boxes will be located on the building and at the gate entrance. No significant increase in fire protection services are anticipated as a result of the proposed use.

The property is accessed from Euler Road via a proposed commercial driveway approach providing adequate access for emergency vehicles. The storage yard will provide space for emergency vehicle turn arounds.

The proposed uses will not create any direct adverse impact on the public schools.

G. IMPACT ON PUBLIC UTILITIES

The property is presently within municipal sewer and water districts and existing buildings are connected to the municipal utilities.

A new water main will be constructed on site, running between the two proposed buildings and terminating on hydrants at the rear of the buildings. Service and fire service leads will be connected to this new main. The new main will connect with the existing water main on the west side of Euler Road. Capacity is available within the existing water system to provide adequate service to this site, based on preliminary information from MHOG, the operator of the system.

An existing sanitary sewer main is located on the east side of Euler Road and currently terminated at the approximate center of the subject parcel. As part of this project, the sanitary sewer will be extended to the near the northern property border of the subject parcel. The proposed structures will be served by a sanitary sewer lead each. The southern building will connect to the existing sanitary sewer main and the northern building will connect to the newly constructed sanitary sewer extension. Capacity is available within the existing sanitary sewer system to provide adequate service for the site, based on preliminary information from MHOG, the operator of the system.

The site is currently serviced by electric, gas, phone and cable systems located Euler Road.

All solid wastes will be properly disposed of through a licensed disposal firm on a regular basis. A dumpster enclosure for each building is located at the at the rear of each building. The enclosures will be constructed with materials conforming to the Genoa Township Zoning Ordinance.

Vehicle movement across and around the site will include a wide variety of vehicles; from passenger cars and work trucks to box vans and full size semi trailers. Construction equipment will also be maneuvered

H. STORAGE AND HANDLING OF ANY HAZARDOUS MATERIALS

The proposed uses within the building will not use, store, generate and/or discharge potentially polluting materials.

I. TRAFFIC IMPACT STUDY

A traffic impact study for the development has not been performed for the site. The site will not generate a sufficient number of trips to warrant a traffic study and will not significantly impact traffic flow around the site.

There is currently no designated pedestrian path to the subject property. No sidewalk exists along Euler Road from the terminus with Grand River Avenue at the south to the terminus with McClements Road to the north. Sidewalks at the front and side of the buildings will provide access to the building and parking areas for most visitors and employees.

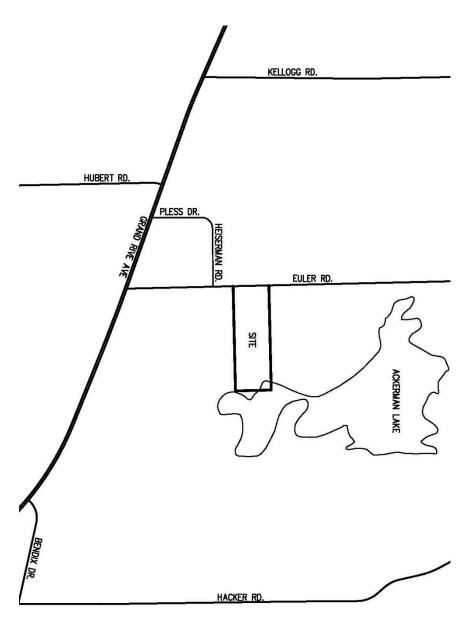
No adverse impact on pedestrian traffic in the area is anticipated as a result of developing the proposed project.

J. HISTORIC AND CULTURAL RESOURCES

The existing buildings on the property do not have any major historic significance on a local, regional or state level.

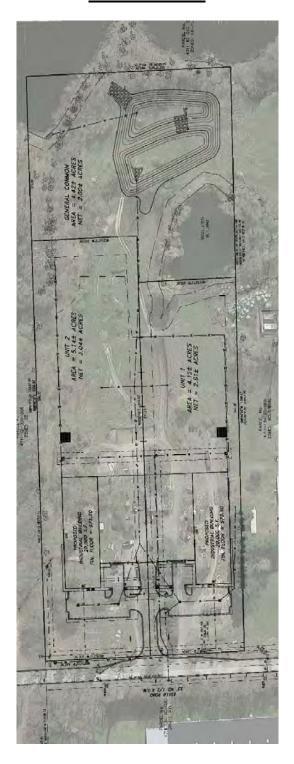
K. SPECIAL PROVISIONS

No special provisions or requirements are currently proposed for this facility.



Location Map

$\frac{\textbf{PHOTO DEPICTING SITE IMPROVEMENTS}}{\textbf{NOT TO SCALE}}$



SOILS MAP (NOT TO SCALE)



Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
BtA	Boyer-Oshtemo loamy sands, 0 to 2 percent slopes	10.6	33.3%
BtB	Boyer-Oshtemo loamy sands, 2 to 6 percent slopes	8.7	27.3%
BtD	Boyer-Oshtemo loamy sands, 12 to 18 percent slopes	0.0	0.2%
BuA	Brady loamy sand, 0 to 2 percent slopes	2.1	6.7%
CarabA	Carlisle muck, 0 to 2 percent slopes	4.6	14.4%
FoB	Fox sandy loam, 2 to 6 percent slopes	3.0	9.4%
FrD	Fox-Boyer complex, 12 to 18 percent slopes	2.8	8.7%
Totals for Area of Interest		32.0	100.0%

WETLAND MAP



Client: Desine Inc. Created by: RMH, April 10, 2023, ASTI Project 12744 Imagery: Google Earth March 2021

Figure 1 - GPS-Surveyed Wetland Boundaries

MASTER DEED

<u>OF</u>

_2025 EULER BUSINESS PARK

Livingston County Subdivision Plan No. _____

DEVELOPER:
4M GENOA, LLC
2244 Euler Road
Brighton, Michigan 48114

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MASTER DEED

2025 EULER BUSINESS PARK

THIS MASTER DEED has been executed on this ____ day of ____, 2024, by 4M GENOA, a Michigan limited liability company, of 2244 Euler Road, Brighton, Michigan 48114 (hereinafter referred to as "Developer"), pursuant to the provisions of the Michigan Condominium Act, Act 59 of the Public Acts of 1978, as amended (hereinafter referred to as the "Act").

RECITALS:

- A. The Developer is engaged in the development of an office business condominium project to be known as 2025 EULER BUSINESS PARK on a parcel of land located in the Genoa Charter Township, Livingston County, Michigan and described in Article II of this Master Deed (the "Real Property").
- B. The Developer desires, by recording this Master Deed together with the Condominium Bylaws attached as Exhibit A and the Condominium Subdivision Plan attached as Exhibit B (both of which are hereby incorporated by reference and made a part hereon), to establish the Real Property, together with the improvements located and to be located thereon and the appurtenances thereto, as a condominium project under the provisions of the Act.

ARTICLE I DEDICATION

By executing and recording this Master Deed, the Developer establishes 2025 EULER BUSINESS PARK (sometimes hereinafter referred to as the "Condominium Project") as a condominium project under the Act. After being so established, the Condominium Project shall be held, conveyed, encumbered, leased, rented, occupied, improved and in every manner utilized subject to the provisions of this Master Deed (including Exhibits A and B hereto), and the Act. The provisions of this Master Deed (including Exhibits A and B hereto) shall run with the real property included in the Condominium Project and shall burden and benefit the Developer and all persons acquiring or owning an interest in the Condominium Project, or in the real property hereby dedicated to the Condominium Project, and their grantees, successors, assigns, heirs and personal representatives. The Units and other improvements contained in the Condominium Project, including the number, boundaries, dimensions and area of each Unit, are set forth in the Condominium Subdivision Plan attached hereto as Exhibit B. The Condominium Project contains two separate structures that are each an individual Unit. Each Unit is capable of individual utilization on account of having its own entrance from and exit to a Common Element. Each Co-Owner shall have the exclusive right to the occupancy of his or her Unit and, subject to easements and restrictions of record, shall have undivided and inseparable rights to share the General Common Elements of the Condominium Project with the other Co-Owners.

ARTICLE II LEGAL DESCRIPTION

The real property which is dedicated to the Condominium Project established hereby is legally described as follows:

SEC. 13 T2N, R5E, N 20 A OF E 1/2 OF NW 1/4 EXC. S 200 FT. THEREOF [need legal]

Containing 13.9 acres of land, more or less. Parcel # 11-13-100-011

ARTICLE III DEFINITIONS

When used in any of the Condominium Documents (as hereinafter defined), or in any contract, deed, mortgage, lien, easement or other instrument affecting the Condominium Project or the establishment or transfer of any interest therein, the following terms shall carry the definitions which follow them unless the context clearly indicates to the contrary:

- (a) "Act" means the Michigan Condominium Act, being Act 59 of the Public Acts of 1978, as amended.
- (b) "Association" means 2025 Euler Condominium Association, a not-for-profit corporation organized under the laws of the State of Michigan, of which all Co-Owners shall be members and which shall administer, operate, manage and maintain the Condominium Project. Any action required of or permitted to the Association shall be exercisable by its Board of Directors unless explicitly reserved to the members by the Condominium Documents or the laws of the State of Michigan, and any reference to the Association shall, where appropriate, also constitute a reference to its Board of Directors.
- (c) "Board of Directors" shall mean the board of directors of the Association. The Board of Directors will initially be those individuals selected by Developer and later it will be elected by Co-Owners as provided in the Condominium Bylaws.
- (d) "Common Elements," where used without modification, means both the General and Limited Common Elements, as defined in Article V hereof.
- (e) "Condominium Bylaws" or "Bylaws" means Exhibit A hereto, being the bylaws setting forth the substantive rights and obligations of the Co-Owners and required by Section 53 of the Act to be recorded as part of the Master Deed. The Bylaws shall also constitute the corporate bylaws of the Association as provided for under the Michigan Nonprofit Corporation Act.
- (f) "Condominium Documents" means and includes this Master Deed, Exhibits A and B hereto, and the Articles of Incorporation, Bylaws and the Rules and Regulations, if any, of the Association.

- (g) "Condominium Premises" means and includes the land described in Article II hereof, and all buildings, improvements and structures thereon, and all easements, rights and appurtenances belonging to the Condominium Project.
- (h) "Condominium Project", "Condominium" or "Project" means 2025 EULER BUSINESS PARK, a Condominium Project established pursuant to the Act.
- (i) "Condominium Subdivision Plan" or "Plan" means the Plan attached to this Master Deed as Exhibit B. The Plan assigns a number to each Unit and includes a description of the nature, location and approximate size of certain Common Elements.
- (j) "Condominium Unit" or "Unit" each means that portion of the Condominium Project designed and intended for separate ownership and use, as described on Exhibit B hereto.
- (k) "Consolidating Master Deed" means the final amended Master Deed which shall describe 2025 EULER BUSINESS PARK as a completed Condominium Project and shall reflect the entire land area in the Condominium Project, and all Units and Common Elements therein, as constructed, and which shall express percentages of value pertinent to each Unit as finally readjusted. Such Consolidating Master Deed, if and when recorded in the office of the Livingston County Register of Deeds, shall supersede the previously recorded Master Deed for the Condominium and all amendments thereto.
- (l) "Co-Owner," "Owner" or "Member" each means a person, firm, corporation, partnership, trust or other legal entity or any combination thereof who or which owns one or more Units in the Condominium Project. The term "Co-Owner" includes a land contract vendee unless the land contract provides otherwise and notice of such fact is of record with the Livingston County Register of Deeds. However, a land contract vendor and vendee shall have joint and several liability for assessments levied by the Association under Article V of the Condominium Bylaws. The term "Owner," wherever used, shall be synonymous with the term "Co-Owner."
- (m)"Development and Sales Period" means the period commencing with the recording of this Master Deed and continuing for so long as Developer owns any Unit.
- (n) "Developer" means 4M GENOA, LLC, a Michigan limited liability company, which has prepared and executed this Master Deed, and shall include its successors and assigns.
- (o) "First Annual Meeting means the initial meeting at which non-developer Co-owners are permitted to vote for the election of all Directors and upon all other matters which properly may be brought before the meeting. Such meeting is to be held (a) in the Developer's sole discretion after 50% of the Units that may be created are sold, or (b) mandatorily within (i) 54 months from the date of the first Unit conveyance, or (ii) 120 days after 75% of the Units that may be created are sold, whichever first occurs.
- (p) "General Common Elements" means those Common Elements of the Condominium Project described in Article V, Section A of this Master Deed which are for the use and enjoyment of all Co-Owners, subject to such charges as may be assessed to defray the cost of the operation thereof.

- (q) "Limited Common Elements" means those Common Elements of the Condominium Project described in Article V, Section B of this Master Deed which are reserved for the exclusive use of the Co-Owners of a specified Unit or Units.
- (r) "Master Deed" means this Master Deed, including Exhibits A and B hereto, both of which are hereby incorporated by reference and made a part hereof.
- (s) "Mortgagee(s)" means the named mortgagee or owner of any mortgage on all or any portion of the Condominium or any Unit therein.
- (t) "Natural Features Buffer" means the 25-foot natural features buffer around the periphery of the Condominium Project as depicted on Exhibit B which area shall remain undisturbed pursuant to Genoa Township's zoning ordinance and which shall be marked by the Association with demarcation signs.
- (u) "Percentage(s) of Value" means the percentage assigned to each Condominium Unit in Article VI of the Master Deed. Percentages of Value shall be determinative only with respect to those matters to which they are specifically deemed to relate either in the Condominium Documents or in the Act.
- (v) The phrase "successors and assigns" means, when used in relationship to the Developer, (i) such person or persons, corporations, partnership, trusts or other legal entities as may, by way of merger, consolidation, acquisition, liquidation or otherwise, acquire all of the rights, duties and obligations which the Developer may have in or with respect to the Condominium Project at the time of such acquisition, whether voluntarily or by operation of law, and (ii) such person or persons, corporations, partnership, trusts or other legal entities to whom the Developer may voluntarily transfer, by one or more duly recordable instruments in writing, any specific item of property, easement, right or power reserved to the Developer by the terms of this Master Deed or any other Condominium Document. Neither the Association nor any Co-Owner of a Unit shall be deemed to be or treated in any manner whatsoever as the successor or assign of the Developer with respect to any item of property, easement, right or power reserved to the Developer by the terms of this Master Deed or any other Condominium Document, in the absence of an instrument in writing in duly recordable form expressly providing to the contrary.
- (w) "Transitional Control Date" means the date on which a Board of Directors for the Association takes office pursuant to an election in which the votes that may be cast by eligible Co-Owners unaffiliated with the Developer exceed the votes that may be cast by the Developer.

Terms not defined herein, but defined in the Act, shall carry the meanings given them in the Act unless the context clearly indicates to the contrary. Whenever any reference herein is made to one gender, the same shall include a reference to any and all genders where such a reference would be appropriate; similarly, whenever a reference is made herein to the singular, a reference shall also be included to the plural where such a reference would be appropriate, and vice versa.

ARTICLE IV TITLE AND NATURE

The Condominium Project shall be known as 2025 EULER BUSINESS PARK, Livingston County Subdivision Plan No. ______. The architectural plans for the Condominium Project have been filed with the Genoa Charter Township, Livingston County, Michigan. The improvements contained in the Condominium Project, including the number, boundaries, dimensions and area of each Unit, are set forth completely in the Condominium Subdivision Plan attached hereto as Exhibit B. Each building in the Condominium Project shall be a Unit and each contains space to be used for office or business purposes, and each Unit has been designed and intended for separate ownership and use, as evidenced by individual entrances from and exits to a Common Element of the Condominium Project. Each Co-Owner in the Condominium Project shall have an exclusive right to occupy his Unit, to lease space in the Unit to business tenants and shall have undivided and inseparable rights to share with other Co-Owners the use and enjoyment of Common Elements as more detailed below.

ARTICLE V COMMON ELEMENTS

The Common Elements of the Condominium Project as depicted on the Condominium Subdivision Plan and the respective responsibilities for maintenance, decoration, repair or replacement thereof are as follows:

A. General Common Elements. The General Common Elements are:

- (1) The Real Property described in Article II hereof, including the roads, and retaining walls, and portions of parking areas, lawns, landscaping and yards, marked as General Common Elements on Exhibit B and all rights of each pertaining thereto;
- (2) All utility rights-of-way as indicated on the Condominium Subdivision Plan or otherwise of record;
- (3) The electrical wiring throughout the Condominium Project, including that contained within Unit walls, up to the point of connection with, but not including, electrical fixtures, plugs and switches within any Unit;
- (4) The telephone wiring throughout the Condominium Project to the point of connection with any Unit;
- (5) The plumbing network throughout the Condominium Project up to the point of connection with plumbing fixtures within any Unit;
- (6) The water distribution system, storm water discharge and detention system and sanitary sewer system throughout the Condominium Project; up to the point such systems are connected with their respective mains in the road right of way;

- (7) The gas line network throughout the Condominium Project up to the point of connection with gas fixtures in any Unit;
- (8) Any network or telecommunications facilities that may from time to time be installed for the benefit of the entire Condominium Project and not an individual Unit;
- (9) All sprinkler systems, if any, when installed by the Developer, to serve general common lawn areas throughout the Condominium Project;
- (10) The entryway or directional signage for the Condominium Project located along Grand River, or placed upon any Common Element;
- (11) Such other elements of the Condominium Project not herein designated as General or Limited Common Elements which are not enclosed within the boundaries of any Unit, and which are intended for common use by all the Co-Owners or are necessary to the existence, upkeep and safety of the Condominium Project.

Some or all of the utility lines, systems (including mains and service leads) and equipment and the cable television system described above may be owned by the local public authority or by the company that is providing the pertinent service. Accordingly, such utility lines, systems and equipment and the cable television system shall be General Common Elements only to the extent of the Co-Owners' interest therein, if any, and Developer makes no warranty whatever with respect to the nature or extent of such interest, if any.

- B. <u>Limited Common Elements</u>. The Limited Common Elements, which, except as otherwise provided in this Subsection B, shall be appurtenant to the Unit or Units to which they are attached or adjacent or which they service (or which they are deemed by Exhibit B to benefit) and limited in use to the owners of such Unit or Units, or their designee, are:
 - (1) The mailbox serving each Unit, if any;
 - (2) The garbage dumpsters designated for each respective Unit or Units;
- (3) The sidewalks, parking areas, lawn areas and landscaping immediately surrounding either Unit 1 or Unit 2, and serving such individual Unit or Units as depicted on Exhibit B;
- (4) Such other elements of the Project that are not designated as General or Limited Common Elements and which are not enclosed within the boundaries of a Unit and which are intended for the use of a specific Unit.
- C. <u>Upkeep of Common Elements</u>; <u>Payment of Utility Bills</u>. The respective responsibilities for the maintenance, decoration, repair and replacement of the Common Elements and for the payment of utility bills are as follows:
- (1) The cost of decorating and maintaining, all Limited Common Elements referred to in Article V, Sections B(1) above as well as cost of decorating, maintaining, repairing and replacing such items servicing a Unit that are not Common Elements, whether or not they are

within the Unit they service, shall be the sole responsibility of the Co-Owner or Co-Owners whose Unit or Units are serviced by such items as designated on Exhibit B.

- (2) Except as provided above, the Association shall be responsible for maintaining, decorating, repairing and replacing all General Common Elements to be assessed to all Co-Owners equally; unless, however, the need for maintenance, repair or replacement is due to the act or neglect of a Co-Owner or his agent, guest, invitee, for which such Co-Owner shall be wholly responsible. Except as otherwise provided herein or in the Condominium Bylaws, any damage caused to a Unit or its contents by the maintenance or by repair activities of the Association with respect to the Common Elements shall be repaired at the expense of the Association. The obligation of the Association for the maintenance and repair of Common Elements, including but not limited to roads, detention basins, landscaping, parking areas, and retaining walls shall not be diminished or in any way altered by easements granted over such Common Elements to the Genoa Charter Township or any other party.
- (3) Each Co-Owner shall be responsible for payment of the utilities and services attributable solely to its Unit.
- (4) In the absence of performance of the above by the Co-owner involved, the Association may undertake the maintenance of such Unit or Limited Common Element after it has delivered written notice thereof at least fifteen (15) days prior to such work, except in the case of an emergency where no prior notice shall be required. If such work is performed upon a Unit or Limited Common Element by the Association, the individual Co-owner thereof shall reimburse the Association for all costs thereof within fifteen (15) days of billing or the Association shall have the right to recover its expenses in the same manner as established for the collection of assessments in Article V of the Bylaws. In no event shall the Association be liable for the decoration, maintenance, repair, or replacement of any portion of the interior of any Unit.
- D. <u>Use of Common Elements</u>. No Co-Owner shall use his Unit or the Common Elements in any manner inconsistent with the purposes of the Condominium Project or in any manner which will interfere with or impair the rights of any other Co-Owner in the use and enjoyment of his Unit or the Common Elements. The Natural Features Buffer shall remain undisturbed and shall have signs marking the area and indicating that they must remain undisturbed. No fuel storage tanks may be installed in the Condominium Project with the written approval of Genoa Township.
- E. <u>Alterations</u>. Until the Developer has sold all of the Units in the Condominium Project, it may, in its discretion, with the approval of the Genoa Charter Township (1) modify the dimensions of unsold Units, the General Common Elements and Limited Common Elements appurtenant to any Unit, by enlargement, combination, division or reduction in size and (2) make such structural alterations as it deems necessary or appropriate to any unsold Units or Common Elements. However, no such modifications or alterations may be performed which would unreasonably impair or diminish the appearance of the Project or the view, privacy or other significant attribute or amenity of any Unit sold by Developer which adjoins or is proximate to the modified Unit. Such modifications may be made, in the Developer's sole discretion, subject to complying with Genoa Charter Township's ordinances as necessary and any new responsibility for maintenance, repair and replacement therefor must be assigned by an amendment to this Master

Deed which may be effected solely by Developer without the consent of any other person. No Unit altered or modified in accordance with the provisions of this section shall be conveyed until an amendment to this Master Deed effectuating such modification is recorded. The Developer may, in connection with any such amendment, readjust Percentages of Value for all Units in a manner, which gives a reasonable recognition to such Unit or Common Element modifications based upon the method of original determination of Percentages of Value for the Condominium Project.

All of the Co-Owners and Mortgagees of Units and other persons interested or to become interested in the Condominium Project from time to time shall be deemed to have unanimously consented to such amendment or amendments to this Master Deed to effectuate the foregoing and subject to the limitations set forth herein, proportionate reallocation of Percentages of Value of existing Units which Developer may determine necessary in conjunction with such amendment or amendments. All such interested persons irrevocably appoint Developer as agent and attorney for the purpose of execution of such amendment or amendments to the Master Deed and all other documents necessary to effectuate the foregoing.

F. Reassignment of Limited Common Elements. A Limited Common Element, such as a parking space, may be reassigned, after notice to any affected Mortgagee, by a written application to the Board of Directors of the Association signed by the Co-owners whose interest will be affected thereby. Upon receipt of such application, the Board shall promptly prepare or cause to be prepared and executed an amendment to this Master Deed reassigning all rights and obligations with respect to the Limited Common Elements involved, and shall deliver such amendment to the Co-owners of the Units affected upon payment by them of all reasonable costs for the preparation and approval thereof.

ARTICLE VI UNIT DESCRIPTION AND PERCENTAGE OF VALUE

A. <u>Description</u>. A complete description of each Unit, with elevations therein referenced to an official benchmark of the United States Geological Survey sufficient to relocate accurately the space enclosed by the description without reference to the structure itself, is set forth in the Condominium Subdivision Plan. Units 1 and 2 in the Condominium Project, as described in the Condominium Subdivision Plan, shall include the entire structure contained within such Unit, including roof and exterior walls, plus all that space contained within the Unit. Detailed architectural plans for the Condominium Project will be placed on file with the Genoa Charter Township, Livingston County, Michigan.

B. <u>Percentages of Value</u>. The total value of the project is one hundred percent (100%). Unit 1 and Unit 2 shall each be determined to have fifty percent (50%) value.

ARTICLE VII EASEMENTS

A. Easements for Maintenance and Related Matters.

- (1) Encroachments. If all or any portion of a Unit or Common Element encroaches upon another Unit or Common Element due to shifting, settling or moving of a building, or of a foundation or support, or due to survey errors, construction deviations, reconstruction, replacement, renovation or repair, reciprocal easements, respectively benefiting and burdening each such Unit or Common Element, shall exist for the maintenance of such encroachment for so long as such encroachment exists, and for maintenance thereof after rebuilding in the event of any partial or total destruction.
- (2) Maintenance and Utilities. Perpetual easements shall also exist and are hereby granted to, through, over, under and across the Condominium Premises, including all Units and interior walls, (a) in favor of the Developer, the Association and all Co-Owners for the maintenance and repair (including replacement) of Common Elements and Units, and (b) in favor of the various utility companies providing service and the Genoa Charter Township, as may be reasonable for the installation and continuing maintenance and repair (including replacement) of all utilities in the Condominium Project, including, but not necessarily limited to, light, heat, power, sewer, water, security system, cable TV system, storm water discharge and detention and communications, which utilities are sometimes collectively referred to in this Article VII as "utilities" or "utility services." These easements include, without limitation, the right to obtain access to Common Elements located within any Unit or its appurtenant Limited Common Elements, during reasonable hours and upon reasonable notice, except in cases of emergency where no prior notice is required.
- (3) <u>Structural Support</u>. Every portion of a Unit that contributes to the structural support of a building shall be burdened with an easement of structural support for the benefit of the Common Elements.

B. Easements Retained by Developer.

- (1) <u>Roadway Easements</u>. In addition to all other rights reserved to it hereunder, the Developer, its successors and assigns, hereby reserves for the benefit of itself, its agents, employees, guests, invitees, independent contractors, successors and assigns, a perpetual, non-exclusive easement for the unrestricted use of all road and walkways now or hereafter located in the Condominium Project for the purpose of:
 - (a) ingress to and egress from all or any portion of:
- (i) the Condominium Premises, including any property hereafter contracted out of the Condominium; and
- (ii) any other land adjacent to or in the vicinity of the Condominium Project now owned or hereafter acquired by the Developer;

(b) complying with any governmental regulation, or installing and servicing the roads, utility drains as shown on the Condominium Subdivision Plan attached hereto as Exhibit B; or

(c) for any other lawful purpose, including installation of

(2) <u>Use of Facilities</u>. The Developer, and its duly authorized agents, representatives and employees, may maintain offices, model Units and other facilities on the Condominium Premises and engage in any acts reasonably necessary to facilitate the construction and sale of Units in the Condominium Project. In connection therewith, the Developer shall have full and free access to all Common Elements and unsold Units.

utilities.

- (3) Repair and Replacement. The Developer retains for the benefit of itself and to all assigns or designated representatives and any utility company and the Genoa Charter Township, and to the burden of the Condominium Premises, the right to enter the Condominium Project for the purpose of exercising any of the Developer's rights described herein, including the right to and do all the things necessary to install, maintain, repair, replace or inspect facilities within the purview of their responsibilities. Such right shall include the right granted to the Genoa Charter Township to maintain, repair, replace or inspect any Common Elements or Limited Common Elements that are the responsibility of the Developer or the Association under the Condominium Documents in the event, in the reasonable opinion of the Genoa Charter Township, such responsibility is not being maintained by the Developer or the Association and is causing a potential threat to the health, welfare or safety of the public or the Members. No actions taken by the Genoa Charter Township shall in any respect be deemed to create any Township obligation or liability for the Limited Common Elements or Common Elements. The Association shall be deemed to hold the Genoa Charter Township harmless from any and all liabilities, claims, costs, or expenses that may arise as a result of claims filed against the Genoa Charter Township by third parties which result specifically from the failure of the Developer or Association to repair, maintain or replace any Limited Common Elements or Common Elements. In the event the Genoa Charter Township takes any action under this section to repair, maintain or replace any Limited Common Elements or Common Elements, the Association shall reimburse the Genoa Charter Township for all costs thereof within fifteen (15) days of billing or the same shall become a lien upon the Condominium Premises.
- (4) <u>Hook-Up of Utilities</u>. The Developer reserves for the benefit of itself, its agents, employees, independent contractors, successors and assigns, and hereby grants for the benefit of any appropriate utility company and the Genoa Charter Township, perpetual easements to enter upon and across the Condominium Premises and lay pipes and cables and do all other things reasonably necessary to utilize, tap and tie into, and to construct, extend and enlarge, all utility services or systems now or hereafter located on the Real Property described in Article II hereof, or as indicated on Exhibit B to this master Deed, to service all or any portion of the condominium project or other property outside the Condominium Project.
- (5) <u>Future Utility Easements</u>. The Developer further reserves the right at any time to grant easements for utilities over, under and across the Common Elements to (i) appropriate governmental agencies, including the Genoa Charter Township or public utility

companies, (ii) any property hereafter contracted out of the Condominium, the Contraction Property, or any other land adjacent to or in the vicinity of the Condominium Project now owned or hereinafter acquired by Developer, and to transfer title to utilities to governmental agencies or to utility companies, provided such easements do not disturb, or interfere with the use of, any Unit. Any such easement or transfer of title may be made by the Developer without the consent of any Co-owner, Mortgagee or other person and shall be evidenced by an appropriate amendment to this Master Deed and to the Plan, which amendment shall be recorded in the Livingston County Records. All of the Co-owners and Mortgagees of Units and other persons interested or to become interested in the Project from time to time shall be deemed to have irrevocably and unanimously consented to such amendment or amendments of this Master Deed as may be required to effectuate the foregoing grant of easement or transfer of title.

(6) <u>Future Easements, Licenses and Rights-of-Way</u>. With the prior written consent of the Developer, the Association, acting through its lawfully constituted Board of Directors (including any Board of Directors acting prior to the Transitional Control Date) shall be empowered and obligated to grant such easements, licenses, rights-of entry and rights-of-way over, under and across the Common Elements of the Condominium for utility purposes, access purposes or other lawful purposes as may be necessary for the benefit of the Condominium. The Association shall not grant any such right that materially adversely affects any Co-owner without the consent of such Co-owner.

(7) <u>Modification of Easements</u>. No easements or right established pursuant to this Article may be modified or terminated, nor may any of the obligations relating thereto be varied, except as provided in the separate instrument creating such easement or right or, if no such separate instrument exists, without the consent of the Developer, the Association, and each Coowner and Mortgagee benefiting from such easement or right.

C. Reserved Easements.

(1) <u>Dedication of Right-of-Way</u>. The Developer reserves the right, at any time during the Development and Sales Period, to dedicate to the public a right-of-way of such width as may be required by the local public authority over any or all of the roadways in the Condominium Project, shown as General Common Elements in the Condominium Subdivision Plan. Such dedication shall also include all gas and water lines, and all streetlights, located within the right-of-way.

(2) <u>Dedication of Certain Utilities</u>. The Developer or the Association as the case may be shall dedicate to the public all such sanitary sewer and water mains or storm drainage system that are within the road right of way and that are not defined as general common elements herein.

(3) Storm Sewer and Detention Basin Easement. The Developer reserves the right, at any time during the Development and Sales Period, to grant easements to the Genoa Charter Township for the maintenance, inspection, testing and repair of the storm sewer system and detention basin constituting General Common Elements and located within and serving the Condominium Project. The Association shall be responsible for repair and maintenance of the storm sewer and detention basin. In the event the Association fails to properly maintain or repair

those portions of the sanitary sewer, water system, the storm sewer and detention basin that are identified as general common elements, the Township shall have the right, but not the responsibility, to enter onto the Condominium Premises and conduct needed repairs and/or maintenance. In such event, the Association shall be responsible for reimbursing the Genoa Charter Township for the costs and expenses incurred in connection with such maintenance and repair, which costs and expenses shall be assessed to all Co-Owners according to their Percentages of Value.

- (4) Emergency Vehicle and Public Services Access Easement. There shall exist for the benefit of the Genoa Charter Township, any emergency service agency and the United States Postal Service ("USPS"), an easement over all roads in the Condominium for use by the Genoa Charter Township service providers, USPS, garbage collection and/or emergency vehicles. Said easement shall be for purposes of ingress and egress to provide, without limitation, fire and police protection, ambulance and rescue services and other lawful governmental or private emergency services to the Condominium Project and Co-owners thereof.
- D. <u>Termination of Easements</u>. Developer reserves the right with the prior written approval of the Genoa Charter Township to terminate and revoke any utility or other easement granted in this Master Deed at such time as the particular easement has become unnecessary. No easement for a utility may be terminated or revoked unless and until all Units served by it are adequately served by an appropriate substitute or replacement utility on a shared-maintenance basis. Any termination or revocation of any such easement shall be effected by the recordation of an appropriate amendment to this Master Deed in accordance with the requirements of the Act.

ARTICLE VIII AMENDMENT AND TERMINATION

Except as otherwise expressly provided in this Master Deed or in the Act, the Condominium Project shall not be terminated, vacated, revoked or abandoned except as provided in the Act, nor may any of the provisions of this Master Deed or Exhibit B be amended (but Exhibit A hereto may be amended as therein provided) except as follows:

A. <u>Amendments</u>.

- (1) Without Co-Owner and Mortgagee Consent. The Condominium Documents may be amended by the Developer or the Association without the consent of Co-Owners or Mortgagees for any purpose if the amendment does not materially alter or change the rights of a Co-Owner or Mortgagee. Amendments modifying the types and sizes of unsold Units and their appurtenant Common Elements, showing minor architectural variances and modifications to a Unit, correcting survey or other errors made in the Condominium Documents, or for the purpose of facilitating mortgage loan financing for existing or prospective Co-Owners and to enable the purchase or insurance of such mortgage loans by any institutional participant, shall be examples of amendments which do not materially alter or change the rights of a Co-Owner or Mortgagee.
- (2) <u>With Co-Owner and Mortgagee Consent</u>. An amendment may be made, even if it will materially alter or change the rights of the Co-owners or Mortgagees, with the consent of not less than two-thirds (2/3) of the votes of the Co-owners entitled to vote as of the record date of such vote and two-thirds (2/3) of the votes of the Mortgagees; provided, that a Co-owner's Unit

dimensions or Limited Common Elements may not be modified without his consent, nor may the formula used to determine Percentages of Value for the Project or provisions relating to the purpose of usage, ability or terms under which a Unit currently is leased or may be rented be modified without the consent of the Developer and each affected Co-owner and Mortgagee. Rights reserved by the Developer herein, including without limitation rights to amend for purposes of expansion and/or modification of Units, shall not be amended without the written consent of the Developer so long as the Developer or its successors or assigns continue to own or to offer for sale any Unit in the Project, have the right to create one or more additional Units, or continues to own any interest in the Real Property. For purposes of this subsection, a Mortgagee shall have one vote for each mortgage held.

- (3) <u>Material Amendment By</u> Developer. A material amendment may also be made unilaterally by the Developer without the consent of any Co-owner or Mortgagee for the specific purpose(s) reserved by the Developer in this Master Deed. During the Development and Sales Period, this Master Deed shall not be amended nor shall the provisions of this Master Deed be modified in any way without the written consent of the Developer or its successors or assigns.
- (4) <u>Developer's Reserved Amendments</u>. Notwithstanding any contrary provision of the Condominium Documents, Developer reserves the right to amend materially this Master Deed or any of its exhibits for any of the following purposes:
- (a) To amend the Condominium Bylaws, subject to any restrictions on amendments stated therein;
- (b) To correct arithmetic errors, typographical errors, survey or plan errors, deviations in construction or any similar errors in the Master Deed, Condominium Subdivision Plan or Condominium Bylaws, or to correct errors in the boundaries or locations of improvements including revising the Subdivision Plan to fully comply with the applicable regulations;
- (c) To clarify or explain the provisions of this Master Deed or its exhibits;
- (d) To comply with the Act or rules promulgated thereunder or with any requirements of any governmental or quasi-governmental agency or any financing institution providing mortgages on units in the Condominium Premises;
- (e) To create, grant, make, define or limit easements affecting the Condominium Premises;
- (f) To record an "as built" Condominium Subdivision Plan and/or consolidating Master Deed and/or to designate any improvements shown on the Plan as "must be built," subject to any limitations or obligations imposed by the Act;
- (g) To terminate or eliminate reference to any right which Developer has reserved to itself herein; and

(h) To make alterations described in Article V, Section E, Article VI, Section B and Article VIII above, even if the number of Units in the Condominium Project would thereby be increased or reduced.

Amendments of the type described in this subsection (4) may be made by the Developer without the consent of Co-owners or Mortgagees, and any Co-owner or Mortgagee having an interest in a Unit affected by such an amendment shall join with the Developer in amending this Master Deed.

- (5) <u>Costs and Expenses; Notice</u>. A person causing or requesting an amendment to the Condominium Documents shall be responsible for costs and expenses of the amendment, except for amendments based upon a vote of the prescribed majority of Co-owners and Mortgagees, the costs of which are expenses of administration. The Co-owners and Mortgagees of record shall be notified of proposed amendments under this Section not less than ten (10) days before the amendment is recorded.
- (6) <u>Developer Consent Required</u>. Articles II, V, VI, VII, VIII, IX and X shall not be amended, nor shall the provisions thereof be modified by any other amendment to this Master Deed, without the written consent of the Developer, so long as the Developer owns any Unit in the Condominium. Developer's reservation of easement rights for adjacent property and Developer's right to consent to all easements affecting the Project, shall be perpetual and cannot be amended.
- (7) <u>Genoa Charter Township Consent Required.</u> No amendment of this Master Deed or the Condominium documents may be made without the prior written consent of the Genoa Charter Township, if such amendment would affect a right of the Genoa Charter Township set forth or reserved with in this Master Deed or in the condominium documents, and any amendment must comply with the then existing applicable Township ordinances.
- B. <u>Termination</u>. If there is a Co-Owner other than the Developer, the Project may be terminated only with consent of the Developer and not less than 80% of the Co-Owners and Mortgagees, as follows:
- (1) Execution of Agreement. Agreement of the required number of Co-owners and Mortgagees to termination of the Project shall be evidenced by their execution of the termination agreement or of ratifications thereof, and the termination shall become effective only when the agreement is so evidenced of record.
- (2) Ownership of Project. Upon recordation of an instrument terminating the Project, the property constituting the Condominium shall be owned by the Co-owners as tenants in common in proportion to their respective undivided interests in the Common Elements immediately before recordation. As long as the tenancy in common lasts, each Co-owner or the heirs, successors, or assigns thereof shall have an exclusive right of occupancy of that portion of the property, which formerly constituted the Condominium Unit.
- (3) Ownership of Association Assets. Upon recordation of an instrument terminating the Project, any rights the Co-owners may have to the assets of the Association shall be in proportion to their respective undivided interests in the Common Elements immediately before

recordation. Any common profits shall be distributed in the same proportions except as otherwise required under the Condominium Documents and the Act.

(4) <u>Notice of Termination</u>. Notification of termination by first class mail shall be made to all parties interested in the Project, including escrow agents, land contract vendors, creditors, lienholders, and prospective purchasers who deposited funds.

ARTICLE IX ASSIGNMENT

Any or all of the rights and powers granted or reserved to the Developer in the Condominium Documents or by law, including the power to approve or disapprove any act, use or proposed action or any other matter or thing, may be assigned by Developer to any other entity or to the Association. Any such assignment or transfer shall be made by appropriate instrument in writing duly recorded in the Office of the Livingston County Register of Deeds.

ARTICLE X SEVERABILITY

If any provision of this Master Deed shall be determined to be invalid or unenforceable by a court of competent jurisdiction, such determination shall not render this entire Master Deed invalid or unenforceable, and the provisions of this Master Deed not subject to such determination shall survive, unaffected thereby.

ARTICLE XI CONTROLLING LAW

The provisions of the Act, and of the other laws of the State of Michigan, shall be applicable to and govern this Master Deed and all activities related hereto.

SIGNATURES NEXT PAGE

The undersigned has executed this Master Deed as of the date first written above.

	4M GENOA, LLC
	By: John J. Moretti Its: Manager
STATE OF MICHIGAN)) SS. COUNTY OF LIVINGSTON)	
	ed before me this day of, 2024, b LER, LLC, a Michigan limited liability company, o
	Notary Public Livingston County, Michigan My Commission Expires:

THIS MASTER DEED WAS PREPARED BY:

COOPER & RIESTERER, PLC. Catherine A. Riesterer 7900 Grand River Road Brighton, MI 48814 810-227-3103

WHEN RECORDED, RETURN TO PREPARER

EXHIBIT A

CONDOMINIUM BYLAWS OF 2025 EULER ROAD BUSINESS PARK

DEVELOPER: 4M GENOA, LLC 2244 Euler Road Brighton, Michigan 48114

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CONDOMINIUM BYLAWS

OF

2025 EULER BUSINESS PARK

ARTICLE I THE CONDOMINIUM

- Section 1. <u>Organization</u>. 2025 Euler Business Park, a medical and business office condominium located in the Genoa Charter Township, Livingston County, Michigan (the "Condominium"), shall be administered by an association of Co-Owners (the "Association"), which shall be organized as a nonprofit corporation under the laws of the State of Michigan. The Association will be responsible for the management, maintenance, operation and administration of the Common Elements, easements and, generally, the affairs of the Condominium in accordance with the Master Deed, these Condominium Bylaws, the Articles of Incorporation, Rules and Regulations of the Association, and the laws of the State of Michigan.
- Section 2. <u>Compliance</u>. All present and future Co-Owners (who shall be "Members" of the Association as provided in Article II, Section 1, below; the terms "Member" and "Co-Owner" are used interchangeably herein), Mortgagees, tenants and all other persons who may in any manner use, enter upon or acquire any interest in the Condominium Premises, or any Condominium Unit, shall be subject to and comply with the provisions of the Act, the Master Deed, these Condominium Bylaws, and the Articles of Incorporation, Rules and Regulations of the Association including, without limitation, any provision thereof pertaining to the use and operation of the Condominium Premises and the Condominium. The acceptance of a deed or conveyance, the taking of a mortgage, the execution of a lease, the act of occupying a Unit, or presence in the Condominium shall constitute an acceptance of the provisions of these documents and an agreement to comply therewith.
- Section 3. <u>Purpose of Bylaws</u>. These Condominium Bylaws govern the general operation, maintenance, administration, use and occupancy of the Condominium, and all such activities shall be performed in accordance with the provisions hereof. Capitalized terms used herein and not defined to the contrary shall have the meanings set forth in the Master Deed.

ARTICLE II MEMBERSHIP AND VOTING

Section 1. <u>Membership</u>. Each Co-Owner of a Condominium Unit, present and future, shall be a Member of the Association during the terms of such ownership, and no other person or entity shall be entitled to Membership. Neither Association Membership nor the share of a Member in the Association funds and assets shall be assigned, pledged or transferred in any manner, except as an appurtenance to a Condominium Unit, and any attempted assignment, pledge or transfer in violation of this provision shall be wholly void.

- Section 2. <u>Voting Rights</u>. Except as limited in the Master Deed and in these Condominium Bylaws, the Members owning each Unit shall collectively be entitled to one vote, the value of which shall equal the total Percentage of Value assigned to the Unit or Units owned by them in Article VI, Section B of the Master Deed. Voting shall be by value, except in those instances where voting is specifically required to be by number, or both by value and by number, and no accumulation of votes shall be permitted.
- Section 3. Persons Entitled to Vote. If one person owns a Unit, it shall establish its Membership in the Association and its right to vote by presenting evidence of its ownership. If more than one person owns a Unit, or the Unit is leased, all of the record owners of the Unit shall sign and file with the Secretary of the Association a certificate designating the person entitled to exercise the Unit's Membership in the Association, to cast the vote for the Unit and to receive all notices and other communications from the Association. Such certificate shall state the name and address of the individual representative designated, the number or numbers of the Unit or Units owned, the name and address of the person or persons, firm, corporation, partnership, association, trust or other legal entity who is the Co-Owner thereof, and shall be signed and dated by all Co-Owners of record. All certificates shall be valid until revoked, until superseded by a subsequent certificate, or until a change occurs in the record ownership of the Unit concerned. The Developer shall, at any meeting, be entitled to cast a vote on behalf of each Unit it owns without submitting any proof of ownership.
- Section 4. <u>Method of Voting</u>. Votes on a specific issue may be cast in person. In addition, any person entitled to vote at any meeting may also appear and vote via telecommunications equipment by which all persons participating in the meeting may hear each other; provided that all participants are advised of the communications equipment and the names of the participants in the conference are divulged to all participants, or appear and vote (either specifically on an issue or by the general designation of a person to cast a vote) by written proxy. Proxies may be made by any person entitled to vote. They shall be valid only for the particular meeting designated, and any adjournment thereof, and must be filed with the Association before the appointed time of the meeting.
- Section 5. <u>Majority</u>. At any meeting of the Members at which a quorum is present, fifty-one percent (51%) in value of the Members voting, whether in person, by telecommunications or by proxy, on any particular matter, shall constitute a majority for the approval of such matter, except as otherwise required herein, by the Master Deed or by law.

ARTICLE III MEETINGS AND QUORUM

Section 1. <u>First Meeting of Members</u>. The first meeting of the Members of the Association may be convened only by the Board of Directors and may be called at any time upon ten (10) days' written notice to all Members. In no event, however, shall the first meeting be held later than: (a) one hundred twenty (120) days after legal or equitable title to seventy-five percent (75%) of the Condominium Units in the Condominium Project that may be created has been conveyed to non-Developer Co-Owners; or (b) fifty-four (54) months after the first conveyance of legal or equitable title to a Condominium Unit to a non-Developer Co-Owner, whichever first occurs. The Board of Directors may call meetings of Members of the Association for informational

or other appropriate purposes prior to the first meeting of Members, but no such meeting shall be construed as the first meeting of Members.

- Advisory Committee. The Board of Directors shall establish an Advisory Committee of non-Developer Members upon the passage of: (a) one hundred twenty (120) days after legal or equitable title to thirty-three and one-third percent (33 1/3 %) of Condominium Units in the Condominium Project that may be created have been conveyed to non-Developer Co-Owners; or (b) one (1) year after the initial conveyance of legal or equitable title to a Condominium Unit to a non-Developer Co-Owner, whichever first occurs. The Advisory Committee shall meet with the Board of Directors to facilitate communication with the non-Developer Members and to aid in transferring control from the Developer to non-developer Members. The Advisory Committee shall be composed of not less than one (1) nor more than three (3) non-Developer Members, who shall be appointed by the Board of Directors in any manner it selects, and who shall serve at the pleasure of the Board of Directors. The Advisory Committee shall automatically dissolve following the election of a majority of the Board of Directors by non-Developer Co-Owners. The Advisory Committee shall meet at least semiannually with the Board of Directors. Reasonable notice of such meetings shall be provided to all Members of the Advisory Committee, and such meetings may be open or closed, in the discretion of the Board of Directors.
- Section 3. <u>Annual Meeting of Members</u>. Following the first meeting of Members, and in addition to subsequent meetings called for the purpose of electing Directors, as provided in Article IV, Section 1, below, an annual meeting of the Members shall be held each year on September 15 and at such place as determined by the Board of Directors. At least ten (10) days but not more than sixty (60) days prior to the date of an annual meeting, written notice of the time, place and purpose of such meeting shall be sent by first-class mail, postage prepaid, to each person entitled to vote at the meeting.
- Section 4. <u>Special Meetings of Members</u>. It shall be the duty of the President to call a special meeting of the Members upon a petition of one of the Members and presented to the Secretary of the Association or upon the direction of a majority of the Board of Directors. Notice of any special meeting shall state the time and place of such meeting and the purposes thereof and shall be given at least ten (10) days but not more than sixty (60) days prior to the date of such meeting. No business shall be transacted at a special meeting except as stated in the notice.
- Section 5. Quorum of Members. Unless otherwise provided herein, the presence, in person or by proxy, of fifty-five percent (55%) in number and value of the Members entitled to vote shall constitute a quorum of Members. If a quorum shall not be present at any meeting, the Members present may adjourn the meeting for not more than thirty (30) days.

ARTICLE IV ADMINISTRATION

Section 1. <u>Board of Directors</u>. The affairs of the Association shall be governed by a Board of Directors all of whom must be Members of the Association or Officers, partners, trustees, employees, agents or spouses of Members of the Association except for the first Board of Directors and any Directors thereafter designated to the Board of Directors by the Developer as hereinbelow provided in this Article IV. Directors shall serve without compensation; provided, however, that

Directors may be reimbursed for reasonable travel and other expenses incurred in discharging their duties pursuant to and in accordance with such reimbursement policies as may be from time to time established by the Board of Directors or by the Members of the Association. The Board of Directors shall be established and selected in the following manner:

- (a) The First Board of Directors shall be composed of those three (3) persons selected by the incorporator of the Association and such first Board of Directors shall manage the affairs of the Association until a successor Board of Directors is established as provided by this Article IV. Each subsequent Board of Directors shall be composed of not less than three (3) nor more than five (5) persons. The number of persons comprising each such subsequent Board of Directors shall be determined by the Developer until the earlier of such date as (i) legal or equitable title to seventy-five (75%) percent of the Units in the Condominium Project that may be created are conveyed to non-Developer Co-Owners, or (ii) shall be fifty-four (54) months after the date of the first conveyance of legal or equitable title of a Unit to a non-Developer Co-Owner. Thereafter, the number of persons comprising each subsequent Board of Directors shall be determined by vote of the Members prior to the establishment of each such Board of Directors; provided, however, that if a motion is not made and carried to increase or decrease the number of Directors, then the Board of Directors shall consist of the same number of persons as theretofore comprised the full Board of Directors.
- (b) Not later than one hundred twenty (120) days after such date as legal or equitable title to twenty-five (25%) percent of the Units in the Condominium Project that may be created are conveyed to non-Developer Co-Owners, a special meeting of Members shall be held for the purpose of selecting a Board of Directors to replace the First Board of Directors. It shall be the duty of the President to call such meeting, and the duty of the Secretary to provide notice thereof to each Co-Owner, as otherwise provided by these Condominium Bylaws. At such meeting, the non-Developer Co-Owners shall elect at least one (1) Director and not less than twenty-five (25%) percent of all Members of the full Board of Directors being established, in accordance with the other applicable provisions of these Condominium Bylaws. The Developer shall be entitled to appoint all other persons to serve as Directors on such Board of Directors.
- (c) Unless the Board of Directors shall already contain the number of non-Developer Co-Owner elected Directors hereinbelow set forth, then not later than one hundred twenty (120) days after such date as legal or equitable title to fifty (50%) percent of the Units in the Condominium Project that may be created are conveyed to non-Developer Co-Owners, a special meeting of Members shall be held for the purpose of selecting a Board of Directors to replace the Second Board of Directors. It shall be the duty of the President to call such meeting, if necessary, and the duty of the Secretary to provide notice thereof to each Co-Owner, if such meeting is called, as otherwise provided by these Condominium Bylaws. At such meeting, if any, the non-Developer Co-Owners shall elect at least one (1) Director and not less than thirty-three and one-third (33-1/3%) percent of all Members of the full Board of Directors being established, in accordance with the other applicable provisions of these Condominium Bylaws. The Developer shall be entitled to appoint all other persons to serve as Directors on such Board of Directors.
- (d) Notwithstanding anything in subsections (b) and (c) of this Article IV to the contrary, except as otherwise provided by Subsection (e) below, not later than one hundred twenty (120) days after such date as legal or equitable title to seventy-five (75%) percent of the Units in

the Condominium Project that may be created are conveyed to non-Developer Co-Owners, and before conveyance of ninety (90%) percent of such Units, a special meeting of Members shall be held for the purpose of selecting a new Board of Directors, all the Members of which shall be elected by majority vote of the non-Developer Co-Owners. It shall be the duty of the President to call such meeting, and the duty of the Secretary to provide notice thereof to each Co-Owner, as otherwise provided by these Condominium Bylaws.

- (e) Notwithstanding anything in this Article IV to the contrary, the Developer shall be entitled to appoint one (1) Director to the Board of Directors each and every time a new Board of Directors is established so long as, at the time any such new Board of Directors is created, the Developer owns and offers for sale ten (10%) percent or more of the Units in the Condominium Project or owns ten (10%) percent or more of the remaining Units that may be created.
- (f) In lieu of holding any special meeting of Members for the purpose of establishing a new Board of Directors containing the number of non-Developer Co-Owners elected Directors required by subsections (b), (c), (d) or (g) of this Section, such new Board of Directors may be established, and non-Developer Co-Owner elected Directors may be elected, at the First or any subsequent annual meeting of Members held on or before such date as may be the latest date permitted by such provisions for reconstituting the Board of Directors as thereby required. Notice of the fact that a new Board of Directors will be established, and non-Developer Co-Owner elected Directors will be elected, at any such annual meeting need not be specified in the notice of such meeting given to Co-Owners as required by these Condominium Bylaws. Except as may be otherwise required by subsections (c), (d), and (g) of this Section, a Board of Directors established at any annual or special meeting of Members shall hold office and manage the affairs of the Association until the election of successor Directors at the next annual meeting of Members.
- (g) Except as otherwise provided by subsection (e) of this Section, fifty-four (54) months from and after such date as legal or equitable title to a Unit in the Condominium Project is conveyed to a non-Developer Co-Owner, the non-Developer Co-Owners shall have the right to elect such number of Members of the Board of Directors as shall be equal to the Percentage of Units they hold, and the Developer shall be entitled to appoint such number of Members of the Board of Directors as shall be equal to the Percentage of Units owned by the Developer and for which all assessments are payable by the Developer. In addition, the Developer shall have the right to appoint one Member of the Board of Directors as provided by subsection (e) of this Section. Any Director or non-Developer Co-Owner may request a special meeting of the Members of the Association for the purpose of electing Directors as provided by this subsection (g) by giving written notice of such person's desire for such meeting to the President. Upon receipt of any such notice, it shall be the duty of the President to call such meeting for such a date as shall be no later than sixty (60) days subsequent to the date of its receipt of such request, and the duty of the Secretary to provide notice thereof to each Co-Owner, as otherwise provided by these Condominium Bylaws. Absent a special meeting of Members of the Association for purposes of electing Directors as provided by this Section, the Board of Directors then in office shall continue to serve until the next annual meeting of Members, at which time Directors shall be elected as provided by this or the then applicable subsection of this Section.
- (h) As used in subsections (a) through (g) of this Section, and Sections 1 and 2 of Article III, the phrase "Units in the Condominium Project that may be created" means the

maximum number of Units stated in the Master Deed that may be built by the Developer in all phases of the Condominium Project assuming the Developer fully exercises its right to expand the Condominium Project by adding additional land thereto or converting convertible areas as permitted thereby.

- (i) For clarity since this is intended to be a Project containing two Units, with each Unit comprising fifty percent (50%), the Board of Directors shall consist of three members, one each elected by Units 1 and 2 and one member elected by the Developer, as long as the Developer owns a Unit. After the Developer no longer owns a Unit, the Members may jointly agree upon a third member. In the event they cannot agree upon a third member or, if while operating they reach an impasse that prevents the reasonable operation of the Project, one or both may petition the then President of the Livingston County Association of Realtors for the appointment of a professional management agent, as defined in Section 3 below, to be appointed to the Board of Directors to assist with the Project. Such appointment shall be entitled to reasonable compensation for their services and shall be held harmless for all actions and decisions made in good faith and constitute reasonable business decisions.
- Section 2. <u>Powers and Duties</u>. The Association shall have all powers and duties necessary for the administration of the affairs of the Condominium and may do all things which are not prohibited by law or the Condominium Documents or required thereby to be done by the Co-Owners. The powers and duties to be exercised by the Association through the Board shall include, but shall not be limited to, the power and duty:
- (a) To manage and administer the affairs of and to maintain the Condominium, all appurtenances thereto and the Common Elements, property and easements thereof;
- (b) To levy and collect assessments against and from the Members of the Association and to use the proceeds therefrom for the purposes of the Association, and to enforce assessments through liens and foreclosure proceedings where, in the judgment of the Directors, appropriate;
 - (c) To carry insurance and to collect and allocate the proceeds thereof;
- (d) To restore, repair or rebuild the Common Elements of the Condominium, or any portion thereof, and any improvements located thereon, after the occurrence of a casualty and to negotiate on behalf of Co-Owners in connection with the taking of the Condominium, or any portion thereof, by eminent domain;
- (e) To contract for and employ, supervise, and discharge, persons or business entities to assist in the management, operation, maintenance and administration of the Condominium:
- (f) To make and amend reasonable rules and regulations consistent with the Michigan Condominium Act, the Master Deed and these Condominium Bylaws affecting Co-Owners and their tenants, guests, employees and invitees concerning the use and enjoyment of the Condominium and to enforce such regulations by all legal methods, including, but not limited, the imposition of fines and late payment charges, eviction proceedings or legal proceedings (copies of all such regulations and amendments thereto shall be furnished to all Members and shall become

effective ten (10) days after mailing or delivery thereof to the designated voting representative, as provided for in Article II, Section 3 above, of each Member, and any such regulation or amendment may be revoked at any time at any duly convened meeting of the Association by the affirmative vote of more than fifty (50%) percent of all Members in number and in value, except that the Members may not revoke any regulation or amendment prior to the first meeting of the Association;

- (g) To own, maintain and improve, and to buy, sell, convey, assign, mortgage, license, rent or lease (as landlord or tenant) any real or personal property, including, but not limited to, any Common Elements or Unit in the Condominium, easements, rights-of-way or licenses or any other real property, whether or not contiguous to the Condominium, for the purpose of generating revenues, providing benefit to the Members of the Association or in furtherance of any other appropriate purposes of the Association;
- (h) To borrow money and issue evidences of indebtedness in furtherance of any and all of the purposes of the business of the Association, and to secure the same by mortgage, pledge or other lien on property owned by the Association; provided, however, that any such action shall first be approved by the affirmative vote of all of the Members of the Association in value at a meeting of the Members duly called;
- (i) To establish such committees as it deems necessary, convenient or desirable and to appoint persons thereto, for the purpose of implementing the administration of the Condominium and to delegate such committees any functions or responsibilities which are not by law or the Condominium Documents required to be performed by the Board;
- (j) To enforce the provisions of the Master Deed and Bylaws of the Condominium, the Articles of Incorporation, and the Rules and Regulations of the Association as may hereafter be adopted, and to sue on behalf of the Condominium or the Members and to assert, defend or settle claims on behalf of the Members with respect to the Condominium;
- (k) To do anything required of or permitted by it as administrator of said Condominium by the Master Deed, the Condominium Bylaws or the Michigan Condominium Act, as amended;
 - (1) To provide services to Co-Owners;
- (m) In general, to enter into any kind of activity; to make and perform any contract and to exercise all powers necessary, incidental or convenient to the administration, management, maintenance, repair, replacement and operation of the Condominium and to the accomplishment of any of the purposes thereof not forbidden, and with all powers conferred upon nonprofit corporations by the laws of the State of Michigan.

Provided, however, that, except in the cases of licenses, leases or rental arrangements having a duration of one (1) year or less, neither the Board nor the Association shall, by act or omission, abandon, partition, subdivide, encumber, sell or transfer the Common Elements, or any of them, unless at least one (1) of the first Mortgagees (based upon one (1) vote for each mortgage owned) and all of the Members in number and value have consented thereto. The Board may, however, grant easements for public utilities or other public purposes consistent with the intended use of the

Common Elements by the Condominium, and no such grant shall be deemed a transfer for the purposes hereof.

Section 3. Managing Agent. The Board may employ, at a compensation established by it, a professional management agent for the Condominium to perform such duties and services as the Board shall authorize, including, but not limited to, the powers and duties set forth in Section 2 of this Article. A "professional management agent" shall mean a person or organization having proven expertise, either from prior experience or by education, in the operation and management of real property. Prior to the Transitional Control Date, the Developer, or any related person or entity, may serve as professional managing agent if so appointed. In no event shall the Board be authorized to enter into any contract with a professional management agent, or any contract providing for services by the Developer or its affiliates, in which the maximum term is greater than three (3) years or which is not terminable by the Association upon the Transitional Control Date or within ninety (90) days thereafter and upon thirty (30) days' written notice for cause. Upon the Transitional Control Date, or within ninety (90) days thereafter, the Board of Directors may terminate a service or management contract with the Developer or its affiliates. In addition, the Board of Directors may terminate any management contract which extends beyond one (1) year after the Transitional Control Date by providing notice of termination to the management agent at least thirty (30) days before the expiration of the one (1) year.

Section 4. <u>Officers</u>.

- (a) The Officers of the Association ("Officers") shall be a President, Secretary and a Treasurer, who shall all be members of the Board of Directors. The Secretary and Treasurer may be held by the same Board member.
- (b) The Officers of the Association shall be elected annually by the Board of Directors at the organization meeting of each new Board and shall hold office at the pleasure of the Board.
- (c) Upon affirmative vote of a majority of the members of the Board of Directors, any officer may be removed either with or without cause, and their successor elected at any regular meeting of the Board of Directors, or at any special meeting of the Board called in whole or in part for such purpose.
- (d) The President shall be the chief executive officer of the Association. They shall preside at meetings of the Association and of the Board of Directors. They shall have all of the general powers and duties which are usually vested in the office of the president of a corporation, including, but not limited to, the power to appoint committees from among the members of the Association from time-to-time as they may in their discretion deem appropriate to assist in the conduct of the affairs of the Association.
- (e) The Secretary shall keep the minutes of all meetings of the Board of Directors and the minutes of all meetings of the members of the Association; they shall have charge of the corporate seal and of such books and papers as the Board of Directors may direct; and they shall, in general, perform all duties incident to the office of the Secretary.

- (f) The Treasurer shall have responsibility for the Association funds and securities and shall be responsible for keeping full and accurate accounts of all receipts and disbursements, specifying the operating expenses clearly, in books belonging to the Association. They shall be responsible for the deposit of all moneys and other valuable effects in the name and to the credit of the Association, in such depositories as may, from time-to-time, be designated by the Board of directors. They shall ensure that expenditures for the maintenance and repair of common elements and any other expenses incurred by or on behalf of the Condominium are properly recorded. In accordance with Article V, Section 3, of the Condominium Bylaws, the Treasurer shall prepare and distribute to each member at least once per year the Association financial statement.
- (g) The Officers shall have such other duties, powers and responsibilities as shall, from time-to-time, be authorized by the Board of Directors.
- Section 5. <u>Actions Prior to First Meeting</u>. Subject to the provisions of Section 2 of this Article IV, all of the actions (including, without limitation, the adoption of these Condominium Bylaws, any Rules and Regulations for the Association, and any undertakings or contracts entered into with others on behalf of the Association) of the first Board of Directors of the Association designated by its Incorporator, or their appointed successors, before the first meeting of Members, shall be binding upon the Association in the same manner as though such actions had been authorized by a Board of Directors duly elected by the Members of the Association at the first or any subsequent meeting of Members so long as such actions are within the scope of the powers and duties which may be exercised by any Board of Directors as provided in the Condominium Documents.
- Section 6. Indemnification of Officers and Directors. The Association shall indemnify every Association Director and officer against all expenses (including attorneys' fees), judgments, fines and amounts paid in settlement actually and reasonably incurred by them as a consequence of their being made a party to or being threatened to be made a party to any threatened, pending or contemplated action, suit or proceeding, whether civil, criminal, administrative or investigative, by reason of their being or having been a Director or officer of the Association, except in such cases wherein they are adjudged guilty of willful and wanton misconduct or gross negligence in the performance of their duties or adjudged to have not acted in good faith and in a manner they reasonably believed to be in or not opposed to the best interests of the Association and its Members, and with respect to any criminal action or proceeding, they are adjudged to have had no reasonable cause to believe that their conduct was unlawful; provided that, if a Director or officer claims reimbursement or indemnification hereunder based upon their settlement of a matter, they shall be indemnified only if the Board of Directors (with any director seeking reimbursement abstaining) approves such settlement and reimbursement as being in the best interests of the Association and, if a majority of the Members request it, such approval is based on an opinion of independent counsel supporting the propriety of such indemnification and reimbursement. The foregoing right of indemnification shall be in addition to and not exclusive of all other rights such director or officer may have. The Board of Directors shall notify all Members that it has approved an indemnification payment at least ten (10) days prior to making such payment.

ARTICLE V OPERATION OF THE PROPERTY

Section 1. <u>Personal Property</u>. The Association shall be assessed as the person or entity in possession of any tangible personal property of the Condominium owned or possessed in common by the Co-Owners, and personal property taxes based thereon shall be treated as Expenses of Administration.

Section 2. <u>Costs and Receipts to be Common</u>. All costs incurred by the Association in satisfaction of any liability arising within, or caused by or in connection with, the Common Elements or the administration of the Condominium shall be Expenses of Administration (as defined in subsection 4 below). All sums received as proceeds of, or pursuant to, any policy of insurance carried by the Association securing the interests of the Co-Owners against liabilities or losses arising within, caused by or connected with the General Common Elements or the administration of the Condominium shall be receipts of administration.

Section 3. <u>Books of Account</u>. The Association shall keep or cause to be kept detailed books of account showing all expenditures and receipts affecting administration of the Condominium. Such books of account shall specify the maintenance and repair expenses of the Common Elements and any other expenses incurred by or on behalf of the Association of Co-Owners and shall be open for inspection by the Co-Owners and their Mortgagees during reasonable working hours in normal working days at a place to be designated by the Association. The books of account shall be audited at least annually by independent accountants, but such audit need not be a certified audit, nor must the accountants be certified public accountants. The cost of such audit, and all accounting expenses, shall be an Expense of Administration. Any institutional holder of a first mortgage lien on any Unit in the Condominium shall be entitled to receive a copy of the audit report within ninety (90) days following the end of the Association's fiscal year upon request therefor. At least once a year, the Association shall prepare and distribute to each Co-Owner a statement of its financial condition, the contents of which shall be defined by the Association.

Section 4. Regular Assessments. The Board of Directors shall establish an annual budget in advance for each fiscal year for the Condominium, and such budget shall contain a statement of the estimated funds required to defray the Expenses of Administration for the forthcoming year, which shall mean all items specifically defined as such in these Condominium Bylaws and all other common expenses. The common expenses shall consist, among other things, of such amounts as the Board may deem proper for the operation, management and maintenance of the Condominium Project to the extent of the powers and duties delegated to it hereunder, and in the Master Deed, and shall include, without limitation, amounts to be set aside for working capital of the Condominium, the cost of fulfilling the Association's maintenance, repair and replacement responsibilities, management wages, fees and salaries, common area utilities, common area landscaping maintenance and replacement, common area cleaning, supplies, snow removal, licenses and permits, banking, legal and accounting fees, insurance, and creation and maintenance of a an appropriate reserve fund. Each purchaser of a Unit in the Condominium is required to pay the Association an amount equal to two (2) months' assessment as a non-refundable working capital contribution. As provided in Section 11 below, an adequate reserve fund for maintenance, repair and replacement of the General Common Elements must be established in the budget and must be funded by regular assessments rather than by special assessments. The budget shall also allocate and assess all Expenses of Administration against all Co-Owners in accordance with the Percentage of Value allocated to each Unit by the Master Deed, without increase or decrease for the existence of any rights to the use of the Common Elements.

The Board shall advise each non-Developer Co-Owner in writing of the amount of assessment payable by him and shall furnish copies of each budget on which such assessments are based to all Co-Owners, although failure to deliver a copy of the budget to each Co-Owner shall not affect the liability of any Co-Owner for any existing or future assessments. shall be responsible for payment of the assessment commencing with the acquisition of legal or equitable title to a Unit by any means. If the closing occurs at a time other than the commencement of the fiscal year, the Co-Owner shall only be responsible for paying that prorated portion of the annual assessment attributable to the remaining portion of the fiscal year. Should the Board at any time determine, in its sole discretion, that the assessments levied are or may prove to be insufficient (1) to pay the cost of operation and management of the Condominium, (2) to provide for the maintenance, repair or replacement of existing Common Elements, (3) to provide additions to the General Common Elements not exceeding Ten Thousand Dollars (\$10,000) annually, or (4) to provide for emergencies not exceeding Ten Thousand Dollars (\$10,000) annually, the Board shall have the authority to increase the general assessments or to levy such additional assessment or assessments as it shall deem be necessary. Such assessments shall be payable when and as the Board shall determine. Members shall pay all assessments levied in accordance with this Section 4 in twelve (12) equal monthly installments, commencing with acquisition of title to a Unit by any means.

Any sums owed to the Association by any individual Co-Owner may be assessed to and collected from the responsible Co-Owner as an addition to the monthly assessment installment next coming due. The discretionary authority of the Board to levy assessments pursuant to this Section will rest solely with the Board for the benefit of the Association and the Members thereof and will not be enforceable by any creditors of the Association or its Members.

Section 5. Special Assessments. Special assessments, in addition to those provided for in Section 4 above, may be levied by the Board from time to time, following approval by the Co-Owners as hereinafter provided, to meet other needs, requirements or desires of the Association, including, but not limited to, (1) assessments for capital improvements for additions to the General Common Elements at a cost exceeding Five Thousand Dollars (\$5,000) per year, (2) assessments to purchase a Unit upon foreclosure of the lien for assessments as described in Section 6 hereof, or (3) assessments for any other appropriate purpose not elsewhere herein described. Special assessments referred to in this Section 5 (but not including regular assessments referred to in Section 4 above, which shall be levied in the sole discretion of the Board) shall not be levied without the prior approval of all Members in value and in number, which approval shall be granted only by a vote of the Co-Owners taken at a meeting of the Co-Owners called in accordance with the provisions of Article III hereof. The discretionary authority of the Board to levy assessments pursuant to this Section will rest solely with the Board for the benefit of the Association and the Members thereof and will not be enforceable by any creditors of the Association or its Members.

Section 6. <u>Collection of Assessments</u>. When used in this Section 6 and Section 11 below, and wherever else appropriate in these Condominium Bylaws, the term "assessment" shall include all regular and special assessments referred to in Sections 4 and 5 above and, in addition, all other charges whatsoever levied by the Association against any Co-Owner. This Section 6 is designed to provide the Association with a vehicle for collection.

Each Co-Owner, whether one or more persons, shall be and shall remain personally obligated for the payment of all assessments, or a prorated portion thereof, levied with regard to its Unit during the time that it is the owner thereof, and no Member may exempt himself from liability for its contribution toward the Expenses of Administration by waiver of the use or enjoyment of any of the Common Elements or by the abandonment of its Unit. If any Co-Owner defaults in paying an assessment, interest at the maximum legal rate shall be charged on such assessment from the due date and further penalties or proceedings may be instituted by the Board in its discretion. The payment of an assessment shall be in default if such assessment is not paid in full on or before the due date established by the Board for such payment. In the event of default by any Co-Owner in the payment of any installment of the annual assessment levied against its Unit, the Association shall have the right to declare all unpaid installments of the annual assessment for the pertinent fiscal year immediately due and payable. The Association may also discontinue the furnishing of any services to a Co-Owner if default upon seven (7) days' written notice to such Co-Owner of its intent to do so. A Co-Owner in default on the payment of any assessment shall not be entitled to vote at any meeting of the Association so long as such default Clarification continues. The Board may, but need not, report such a default to any first Mortgagee of record; required as provided, however, that if such default is not cured within sixty (60) days, the Association shall to if this give the notice required by Section 2 of Article IX of these Condominium Bylaws. Any first includes not Mortgagee of a Unit in the Condominium may consider a default in the payment of any assessment maintaining a default in the payment of its mortgage. When a Co-Owner is in arrearage to the Association for the assessments, the Association may give written notice of arrearage to any person occupying its Unit common under a lease or rental agreement, and such person, after receiving the notice, shall deduct from areas? rental payments due the Co-Owner the arrearage and future assessments as they fall due and pay them to the Association. The deductions shall not be a breach of the rental agreement or lease by the occupant.

Unpaid assessments shall constitute a lien upon the Unit prior to all other liens except unpaid ad valorem real estate taxes and special assessments imposed by a governmental entity and sums unpaid on a first mortgage of record. The Association may enforce collection of delinquent assessments by a suit at law for a money judgment or by foreclosure of the lien that secures payment of assessments. Each Co-Owner, and every other person, except a first Mortgagee, who from time to time has any interest in the Condominium, shall be deemed to have granted to the Association the unqualified right to elect to foreclose such lien either by judicial action or by advertisement (in accordance with the provisions of Chapter 32 of the Michigan Revised Judicature Act, as amended). The provisions of Michigan law pertaining to foreclosure of mortgages by judicial action and by advertisement, as the same may be amended from time to time, are incorporated herein by reference for the purposes of establishing the alternative procedures to be followed in lien foreclosure actions and the rights and obligations of the parties to such actions. The Association is hereby granted what is commonly known as a "power of sale." Further, each Co-Owner and every other person, except a first Mortgagee, who from time to time has any interest in the Condominium shall be deemed to have authorized and empowered the Association to sell or to cause to be sold the Unit with respect to which the assessment is delinquent and to receive, hold and distribute the proceeds of such sale in accordance with the priorities established by applicable law. Each Co-Owner acknowledges that at the time of acquiring title to its Unit, it was notified of the provisions of this section and that it voluntarily, intelligently and knowingly waived notice of any proceedings brought by the Association to foreclose by

advertisement the lien for nonpayment of assessments and a hearing on the same prior to the sale of the subject Unit.

Notwithstanding the foregoing, neither a judicial foreclosure action nor a suit at law for money judgment shall be commenced, nor shall any notice of foreclosure by advertisement be published, until the expiration of ten (10) days after mailing of a written notice that an assessment, or any part thereof, levied against its Unit is delinquent, and the Association may invoke any of its remedies hereunder if the default is not cured within ten (10) days after the date of mailing. Such notice shall be mailed by certified mail, return receipt requested, and postage prepaid, and shall be addressed to the individual representative of the delinquent Co-Owner designated in the certificate filed with the Association pursuant to Section 3 of Article II above, at the address set forth in such certificate or at its last known address. Such written notice shall be accompanied by a written affidavit of an authorized representative of the Association that sets forth (i) the affiant's capacity to make the affidavit, (ii) the statutory and other authority for the lien, (iii) the amount outstanding (exclusive of interest, costs, attorneys' fees and future assessments), (iv) the legal description of the subject Unit, and (v) the name of the Co-Owner of record. Such affidavit shall be recorded in the Office of the Livingston County Register of Deeds prior to the commencement of any foreclosure proceeding, but it need not have been recorded as of the date of mailing. If the delinquency is not cured within the ten (10) day period, the Association may take such remedial action as may be available to it hereunder or under Michigan law. In the event the Association elects to foreclose the lien by advertisement, the Association shall so notify the individual representative designated above and shall inform such representative that it may request a judicial hearing by bringing suit against the Association. The expenses incurred in collecting unpaid assessments, including interest, costs, actual attorneys' fees (not limited to statutory fees) and advances for taxes or other liens paid by the Association to protect its lien, shall be chargeable to the Co-Owner in default and shall be secured by the lien on its Unit. If any Member defaults in the payment of any installment of the annual assessment levied against its Unit, the Association shall have the right to declare all unpaid installments of the annual assessment for the pertinent fiscal year immediately due and payable. In a judicial foreclosure action, a receiver may be appointed to collect a reasonable rental for the Unit from the Co-Owner thereof or any persons claiming under him, and each Co-Owner hereby consents to the appointment of such a receiver. The Association may purchase a Unit at any foreclosure sale hereunder.

If the holder of a first mortgage on a Unit in the Condominium obtains title to the Unit as a result of foreclosure of the mortgage, deed in lieu of foreclosure or similar remedy, or any other remedy provided in the mortgage, such person, and its successors and assigns, or other purchaser at a foreclosure sale shall not be liable for unpaid assessments chargeable to the Unit which became due prior to the acquisition of title to the Unit by such person; provided, however, that all assessments chargeable to the Unit subsequent to the acquisition of title shall be the responsibility of such person as hereinbefore provided with respect to all Co-Owners.

Section 7. <u>Maintenance and Repair</u>. As provided in the Master Deed, the Association shall maintain and repair the General Common Elements and the Limited Common Elements, to the extent set forth in the Master Deed. The costs thereof shall be charged to all the Members as a common expense, unless necessitated by the negligence, misuse or neglect of a Member, in which case such expense shall be charged to such Member. The Association or its agent shall have access

to each Unit at all times without notice for making emergency repairs necessary to prevent damage to the other Unit, the Common Elements, or both.

The obligation to maintain and repair the General Common Elements shall specifically include the landscaping at the Condominium. Unless otherwise approved by the Genoa Charter Township, the landscaping shall be maintained at a level consistent with or better than the landscaping plan included with the Site Plan for the Condominium. Prior to the first meeting of the Members as described in Article III hereof, the Developer shall have the responsibility to maintain the landscaping in the area designated as General Common Element. After the first meeting of the Members, the responsibility shall be transferred to the Association.

Each Member shall provide the Association means of access to its Unit and any Limited Common Elements appurtenant thereto during all periods of absence, and if such Member fails to provide a means of access, the Association may gain access in such manner as may be reasonable under the circumstances and shall not be liable to such Member for any necessary damage to its Unit or any Limited Common Elements appurtenant thereto caused thereby or for the repair or replacement of any doors or windows damaged in gaining such access, the costs of which damage shall be borne by such Member. Unless otherwise provided herein or in the Master Deed, damage to a Unit or its contents caused by the repair or maintenance activities of the Association, or by the Common Elements, shall be repaired at the expense of the Association.

All other maintenance and repair obligations shall, as provided in the Master Deed, rest on the individual Member. Each Member shall maintain its Unit and any Limited Common Elements appurtenant thereto for which it has maintenance responsibility in a safe, clean and sanitary condition. Each Member shall also use due care to avoid damaging any of the Common Elements, including, but not limited to, the telephone, water, gas, plumbing, electrical or other utility conduits and systems and any other Common Elements in any Unit which are appurtenant to or which may affect any other Unit. Each Member shall be responsible for damages or costs to the Association resulting from negligent damage to or misuse of any of the Common Elements by it, its guests, tenants, agents or invitees, unless such damages or costs are actually reimbursed from insurance carried by the Association, in which case there shall be no such responsibility (if reimbursement to the Association is excluded by virtue of a deductible provision, the responsible Member shall bear the expense to the extent of the deductible amount, anything else in these Condominium Bylaws to the contrary notwithstanding). Any costs or damages to the Association that are herein or elsewhere in the Condominium Documents assigned to the individual Member may be assessed to and collected from the responsible Member in the manner provided for regular assessments in Article V, Section 4, hereof.

The provisions of this Section 7 shall be subject to those of Article VI, Sections 1-3, in the event of repair or replacement on account of a casualty loss.

Section 8. <u>Taxes</u>. Subsequent to the year in which the Condominium is established, all special assessments and property taxes shall be assessed against the individual Units and not upon the total property of the Condominium or any part thereof. Taxes and special assessments which have become a lien against the property of the Condominium in the year of its establishment (as provided in Section 231 of the Act) shall be Expenses of Administration and shall be paid by the Association. Each Unit shall be assessed a percentage of the total bill for such taxes and

assessments equal to the Percentage of Value allocated to it in the Master Deed, and the Members owning those Units shall reimburse the Association for their Unit's share of such bill within ten (10) days after they have been tendered a statement therefor.

- Section 9. <u>Documents to Be Kept</u>. The Association shall keep current copies of the approved Master Deed, all amendments thereto, and all other Condominium Documents available for inspection at reasonable hours by Members, prospective purchasers and prospective Mortgagees of Condominium Units.
- Section 10. Reserve for Major Repairs and Replacement. The Association shall maintain a reserve fund for major repairs and replacement of Common Elements in an amount equal to at least ten percent (10%) of the Association's current annual budget on a noncumulative basis. Moneys in the reserve fund shall be used only for major repairs and replacement of Common Elements. THE MINIMUM STANDARDS REQUIRED BY THIS SECTION MAY PROVE INADEQUATE FOR A PARTICULAR PROJECT. The Association of Members should carefully analyze the Condominium Project to determine if a greater amount should be set aside, or if additional reserve funds should be established for other purposes.
- Section 11. <u>Statement of Unpaid Assessments</u>. Pursuant to the provisions of the Act, the purchaser of any Unit may request a statement from the Association as to the outstanding amount of any unpaid assessments thereon, whether regular or special. Upon written request to the Association accompanied by a copy of the executed purchase agreement pursuant to which the purchaser holds a right to acquire a Unit, the Association shall provide a written statement of such unpaid assessments as may exist or a statement that none exist, which statement shall be binding upon the Association for the period stated therein. Upon the payment of that sum within the period stated, the Association's lien for assessments as to such Unit shall be deemed satisfied; provided, however, that the failure of a purchaser to request such statement at least five (5) days prior to the closing of the purchase of such Unit shall render any unpaid assessments and the lien securing the same fully enforceable against such purchaser and the Unit itself.

ARTICLE VI INSURANCE; REPAIR OR REPLACEMENT

- Section 1. <u>Insurance</u>. The Association shall carry all-risk property coverage and liability insurance (including, without limitation, Directors' and Officers' coverage), workers' compensation insurance, if applicable, and such other insurance coverage as the Board may determine to be appropriate with respect to the ownership, use and maintenance of the general and Limited Common Elements of the Condominium and the administration of Condominium affairs. Such insurance shall be carried and administered in accordance with the following provisions:
- (a) All such insurance shall be purchased by the Association for the benefit of the Association, the Members and their Mortgagees, as their interests may appear, and provision shall be made for the issuance of certificates of insurance with Mortgagee endorsements to the Mortgagees of Members' Units. It shall be each Member's responsibility to obtain insurance coverage for the Unit, all related appurtenances and structures against fire and other perils covered by a standard all-perils coverage endorsement in an amount equal to the maximum insurable replacement value, excluding foundation and excavation costs, and to insure its personal property

located within the Unit or elsewhere in the Condominium and for its personal liability for occurrences within its Unit or upon Limited Common Elements appurtenant to its Unit. The Association shall have absolutely no responsibility for obtaining such coverage. The Association and all Members shall use their best efforts to see that all property and liability insurance carried by the Association or any Member shall contain appropriate provisions whereby the insurer waives its right of subrogation as to any claims against any Member, the Association or the Developer, and, subject to the provisions of Article V, Section 7, hereof, the Association and each Member hereby waive, each as to the other, any right of recovery for losses covered by insurance. The liability of carriers issuing insurance obtained by the Association shall not, unless otherwise required by law, be affected or diminished on account of any additional insurance carried by any Member, and vice versa.

- (b) Public liability insurance shall be carried in such limits as the Board may from time to time determine to be appropriate, and shall cover the Association, each Member, Director and officer thereof, and any managing agent. The policy shall name the Developer as an additional insured.
- (c) All premiums upon insurance policies purchased by the Association pursuant to these Condominium Bylaws shall be Expenses of Administration, except as otherwise provided in subsection (b) above.
- (d) Proceeds of all insurance policies owned by the Association shall be received by the Association, held in a separate account, and distributed to the Association, the Members and their Mortgagees as their interests may appear; provided, however, whenever Section 3 of this Article requires the repair or reconstruction of the Condominium, any insurance proceeds received by the Association as a result of any loss requiring repair or reconstruction shall be applied for such purpose. Hazard insurance proceeds shall never be used for any purpose other than for repair, replacement or reconstruction of the Project unless all of the Mortgagees in the Condominium have given their prior written approval.
- (e) All insurance carried by the Association shall, to the extent possible, provide for cross-coverage of claims by one insured against another.
- (f) Fidelity bonds may be required by the Board of Directors from all persons handling or responsible for Association funds, the amount of such bonds shall be determined by the Board in its sole discretion, and the premium for such bonds shall be a common expense of the Association.
- Section 2. <u>Appointment of Association</u>. Each Member, by ownership of a Unit in the Condominium, shall be deemed to appoint the Association as its true and lawful attorney-in-fact to act in connection with all matters concerning insurance pertinent to the Condominium and the Common Elements thereof. Without limitation on the generality of the foregoing, the Association as said attorney shall have full power and authority to purchase and maintain such insurance to collect and remit premiums therefor, to collect proceeds and to distribute the same to the Association, the Members and respective Mortgagees, as their interests may appear (subject always to the Condominium Documents), to execute releases of liability, and to execute all

documents and to do all things on behalf of such Members and the Condominium as shall be necessary or convenient to accomplish the foregoing.

- Section 3. <u>Reconstruction or Repair</u>. If any part of the Condominium shall be damaged, the determination of whether or not, and how, it shall be reconstructed or repaired shall be made in the following manner:
- (a) If a Common Element or a Unit is damaged, such property shall be rebuilt or repaired if any Condominium Unit is tenantable, unless the Members unanimously vote that the Condominium shall be terminated and each Mortgagee of a Condominium Unit has given its prior written approval of such termination.
- (b) If the Condominium is so damaged that one or both Units are not tenantable, and if each Mortgagee of a Condominium Unit has given its prior written approval to the termination of the Condominium, the damaged, property shall not be rebuilt and the Condominium shall be terminated, unless all the Members in value and in number agree to reconstruction by vote or in writing within ninety (90) days after the destruction.
- (c) Subject to complying with the applicable requirements of Genoa Charter Township and all other applicable laws and regulations, any reconstruction or repair shall be performed substantially in accordance with the Master Deed and the plans and specifications for the Condominium to a condition as similar as possible to the condition existing prior to damage, unless the Members and each Mortgagee of a Condominium Unit shall unanimously decide otherwise.
- (d) Each Member shall be responsible for the reconstruction and repair of its own Unit, including all related appurtenances, (but not any Common Elements).
- (e) The Association shall be responsible for the reconstruction and repair of the Common Elements, and for any incidental damage to a Unit and the contents thereof caused by such Common Elements or the reconstruction or repair thereof. Immediately after a casualty occurs causing damage to property for which the Association has the responsibility of maintenance, repair and reconstruction, the Association shall obtain reliable and detailed estimates of the cost to return the damaged property to a condition as good as that existing before the damage.
- (f) Any insurance proceeds received, whether by the Association or a Member, shall be used for reconstruction or repair when reconstruction or repair is required by these Condominium Bylaws. If the insurance proceeds are not sufficient to pay the estimated costs of reconstruction or repair required to be performed by the Association, or if at any time during such reconstruction or repair, or upon completion of such reconstruction or repair, the funds for the payment of the costs thereof are insufficient, assessments shall be made against all Members for the cost of reconstruction or repair of the damaged property in sufficient amounts to provide funds to pay the estimated or actual cost of repair. Such assessments shall be levied in the same manner as the regular monthly assessments, as set forth in Article V, Section 4, hereof.
- Section 4. <u>Eminent Domain</u>. The following provisions shall control upon any taking by eminent domain:

- (a) The Association, acting through its Board of Directors, may negotiate on behalf of all Members for any taking of Common Elements. Any negotiated settlement shall be subject to the approval of all of the Members in number and in value and shall thereupon be binding on all Members.
- (b) If an entire Unit is taken by eminent domain, the award for such taking shall be paid to the Member whose Unit has been taken. After acceptance of such award by the Member and its Mortgagee, they shall be divested of all interest in the Condominium. The undivided interest in the Common Elements belonging to the Member whose Unit has been taken shall thereafter appertain to the remaining Unit, including those restored or reconstructed under the provisions of this section.
- (c) If any condemnation award shall become payable to any Member whose Unit is not wholly taken by eminent domain, then such award shall be paid by the condemning authority to the Member and its Mortgagee, as their interests may appear. If only a part of any Unit is taken, the Member shall, if practical, use the award to rebuild the same to the extent necessary to make it habitable.
- (d) If any portion of the Condominium other than any Unit is taken, the condemnation proceeds relative to such taking shall be paid to the Association, and the affirmative vote of more than fifty (50%) percent of the Members in number and in value at a meeting duly called shall determine whether to rebuild, repair or replace the portion so taken or to take such other action as they deem appropriate. If no such affirmative vote is obtained, such condemnation proceeds shall be remitted to the Members and their respective Mortgagees, as their interests may appear, in accordance with their respective Percentages of Value set forth in Article VI of the Master Deed.
- (e) If the Condominium Project continues after a taking by eminent domain, then the remaining portion of the Condominium Project shall be resurveyed and the Master Deed amended accordingly, subject to complying with the applicable requirements of Genoa Charter Township and all other applicable laws and regulations, and, if any Unit shall have been taken, then Article VI of the Master Deed shall be amended to reflect such taking and to proportionately readjust the Percentages of Value of the remaining Members based upon a continuing value for the Condominium of one hundred (100%) percent. Such amendment may be effected by an officer of the Association duly authorized by the Board of Directors without the necessity of execution or specific approval thereof by any Members, but only with the prior written approval of all Mortgagees of individual Units in the Project.
- (f) If any Condominium Unit, or any portion thereof, or the Common Elements or any portion thereof, is made the subject matter of any condemnation or eminent domain proceeding or is otherwise sought to be acquired by a condemning authority, the Association promptly shall so notify each mortgagee of the Condominium Units.
- (g) If the taking of a portion of a Condominium Unit makes it impractical to rebuild the partially taken Unit to make it habitable, then the entire undivided interest in the Common Elements appertaining to that Condominium Unit shall thenceforth appertain to the remaining Condominium Units, and shall be allocated to them in proportion to their respective undivided

interests in the Common Elements. The remaining portion of that Condominium Unit shall thenceforth be a Common Element.

- (h) Votes in the Association of Members and liability for future Expenses of Administration appertaining to a Condominium Unit taken or partially taken (as provided in subsection (g) hereof) by eminent domain shall thenceforth appertain to the remaining Condominium Units, and shall be allocated to them in proportion to their relative voting strength by value in the Association.
- Section 5. <u>Construction Liens</u>. The following provisions shall control the circumstances under which construction liens may be applied against the Condominium or any Unit thereof:
- (a) Except as provided below, a construction lien for work performed on a Condominium Unit or upon a Limited Common Element may attach only to the Unit upon or for the benefit of which the work was performed.
- (b) A construction lien for work authorized by the Developer and performed upon the Common Elements may attach only to Units owned by the Developer at the time of recording of the claim of lien.
- (c) A construction lien for work authorized by the Association may attach to each Unit only to the proportional extent that the Member owning the Unit is required to contribute to the Expenses of Administration as provided by the Condominium Documents.
- (d) A construction lien may not arise or attach to a Unit for work performed on the Common Elements not contracted for by the Developer or the Association.

If a Member is advised or otherwise learns of a purported construction lien contrary to the foregoing, it shall immediately notify the Board of Directors. Upon learning of the purported construction lien, the Board shall take appropriate measures to remove any cloud on the title of Units improperly affected thereby.

Section 6. <u>Mortgages</u>. Nothing contained in the Condominium Documents shall be construed to give a Condominium Unit Co-Owner, or any other party, priority over any rights of Mortgagees of Condominium Units pursuant to their mortgages in the case of a distribution to a Condominium Unit Co-Owner of insurance proceeds or condemnation awards for losses to or a taking of Condominium Units, Common Elements or both.

ARTICLE VII USE AND OCCUPANCY RESTRICTIONS; ENFORCEMENT

- Section 1. <u>Establishment of Restrictions</u>. In order to provide for congenial occupancy of the Condominium, and for the protection of the value of the Units, the use of Condominium property shall be subject to the following limitations:
- (a) <u>Property Subject to These Restrictions</u>. All of the Units in the Condominium Project shall be subject to these restrictions.

(b) <u>Building and Use Restrictions</u>.

Modification or Alteration. No Member shall alter the (i) exterior appearance or structurally modify its Unit or change the configuration of the limited or General Common Elements from the way it or they were originally constructed by the Developer, including, without limitation, location of sidewalk or parking areas, nor shall any Member damage, modify or make attachments to Common Elements, which alterations in any way impair the overall use of the Project, without the express written approval of the Board of Directors, and subject to complying with the applicable requirements of Genoa Charter Township and all other applicable laws and regulations. The Board of Directors, in its sole discretion, may disapprove any such request. However, it may only approve such alterations as do not impair the structural soundness, safety, utility, integrity or appearance of the Condominium. The Board of Directors may appoint an Environmental Control Committee and may delegate to it the responsibility for establishing rules relating to the appearance of Units and common areas, and the approval of the construction, maintenance and repair thereof. Even after approval, a Member shall be responsible for all damages to any other Units and their contents or to the Common Elements resulting from any such alteration.

(ii) <u>Nuisance</u>. No immoral, improper, unlawful or offensive activity shall be carried on in any Unit or upon the limited or General Common Elements, nor shall anything be done which may be or become an annoyance or a nuisance to the Members or their business tenants, nor shall any unreasonably noisy activity be carried on in any Unit or on the Common Elements. No Member owning any Unit shall do or permit anything to be done to keep or permit to be kept in its Unit or on the Common Elements anything that will increase the insurance rate on the Condominium or any Unit without the written approval of the Association. Each Member who is the cause thereof shall pay to the Association the increased cost of insurance premiums resulting from any such activity or the maintenance of any such condition.

(iii) <u>Trash</u>. Neither the limited nor General Common Elements shall be used to store supplies, materials, personal property, trash or refuse of any kind, except as designated by the Association. Trash receptacles shall be maintained in areas designated therefor at all times and shall not be permitted elsewhere on the Common Elements except for such short period of time as may be reasonably necessary to permit the periodic collection of trash.

(iv) <u>Common Elements</u>. The use of Common Elements shall be limited to such times and in such manner as the Association shall determine by duly adopted regulations. In general, no activity shall be carried on nor condition maintained by a Member, either in its Unit or upon the Common Elements, which unreasonably spoils the appearance of the Condominium. Sidewalks, yards, landscaped areas, roads, parking areas, and, in general, all of the Common Elements, shall not be obstructed in any way nor shall they be used for purposes other than for which they are reasonably and obviously intended.

(v) <u>Advertising</u>. No signs or other advertising devices shall be displayed which are visible from the exterior of a Unit or on the Common Elements, including "For Rent" signs, without written permission from the Association, which permission shall not be unreasonably withheld. It being understood that the Members may desire to advertise office space

for lease in a Unit, the Board shall endeavor to develop guidelines for such advertising that is aesthetically pleasing and that complies with applicable Township ordinances.

(vi) <u>Rules</u>. Reasonable regulations consistent with the Act, the Master Deed and these Condominium Bylaws concerning the use of the Common Elements may be made and amended from time to time by any Board of Directors of the Association, including the Board of Directors appointed by the Incorporator and its successors. Copies of all such regulations and amendments thereto shall be furnished to all Members and shall become effective ten (10) days after mailing or delivery thereof to the designated voting representative of each Member. Any such regulation or amendment may be revoked at any time by the affirmative vote of more than fifty (50%) percent of all Members in number and in value at any duly convened meeting of the Association, except that the Members may not revoke any regulation or amendment prior to the first meeting of the Association.

(vii) <u>Landscaping</u>. No Member shall perform any landscaping or plant any trees, shrubs or flowers or place any ornamental materials upon the Common Elements without the express written approval of the Board of Directors.

Section 2. **Enforcement**. Developer shall have the right to enforce these restrictions. Developer may assign, in whole or in part, its rights and responsibilities hereunder to the Association, and when the last Unit in the Condominium Project has been conveyed, this assignment shall occur automatically. The Association's cost of exercising its rights and administering its responsibilities hereunder shall be Expenses of Administration (as defined in Article V above), provided that the Association shall be entitled to recover its cost of proceeding against a breach by a Co-Owner as provided in Article XII below. All present and future Co-Owners, tenants and any other persons or occupants using the facilities of the Condominium in any manner are subject to and shall comply with the Act, the Master Deed, these Condominium Bylaws, the Articles of Incorporation, and Rules and Regulations of the Association. Failure to comply with any of the terms of the Act, the Master Deed, these Condominium Bylaws, the Articles of Incorporation, or Rules and Regulations of the Association, shall be grounds for relief, which may include, without limitation, an action to recover sums due for such damages, injunctive relief, and any other remedy that may be appropriate to the nature of the breach. The failure of the Association to enforce any right, provision, covenant or condition which may be granted by the Act, the Master Deed, these Condominium Bylaws, the Articles of Incorporation, or Rules and Regulations of the Association shall not constitute a waiver of the right of the Association to enforce such right, provision, covenant or condition in the future.

ARTICLE VIII APPROVAL OF LEASE

Section 1. <u>Notice of Desire and Intent</u>. If a Unit has been occupied exclusively by a Co-Owner with no rentals in its Unit for over 12 months, a Co-Owner who desires to rent or lease its Condominium Unit or any portion thereof for any term shall provide notice of its intent to the Board of Directors at least ten (10) days prior to presenting a lease form to a potential lessee. All leases must be in writing, and the Member shall provide the Board a copy of the lease upon request. Tenants and non-Co-Owner occupants shall comply with all of the conditions of the Condominium Documents and all of the provisions of the Act, and all leases and rental agreements shall so state.

Section 2. <u>Non-Co-Owner Compliance</u>.

- (a) All non-Co-Owner occupants shall comply with all of the terms and conditions of the Condominium Documents and the provisions of the Act, as well as complying with the applicable requirements of Genoa Charter Township and all other applicable laws and regulations.
- (b) If the Association determines that a non-Co-Owner occupant has failed to comply with the conditions of the Condominium Documents, the provisions of the Act, or the applicable requirements of Genoa Charter Township and all other applicable laws and regulations the Association shall take the following action:
- (i) The Association shall advise the appropriate Member by certified mail of the alleged violation by a person occupying its Unit.
- (ii) The Member shall have fifteen (15) days after receipt of the notice to investigate and correct the alleged breach or advise the Association that a violation has not occurred.
- (iii) If after fifteen (15) days the Association believes that the alleged breach has not been cured or may be repeated, it may institute on its behalf, or derivatively by the Members on behalf of the Association if it is under the control of the Developer, an action for eviction against the non-Co-Owner occupant and simultaneously, for money damages against the Member and non-Co-Owner occupant for breach of the conditions of the Condominium Documents or of the Act. The relief set forth in this section may be by any appropriate proceeding. The Association may hold both the non-Co-Owner occupant and the Member liable for any damages caused to the Condominium.

ARTICLE IX MORTGAGES

- Section 1. <u>Notice of Mortgage</u>. A Member who mortgages a Unit shall notify the Association of the name and address of its Mortgagee and shall file a conformed copy of the note and mortgage with the Association, which shall maintain such information in a book entitled "Mortgages of Units."
- Section 2. <u>Notice of Default</u>. The Association shall give to the holder of any mortgage covering any Unit in the Project written notification of any default in the performance of the obligations of the Member owning such Unit that is not cured within sixty (60) days.
- Section 3. <u>Acquisition of Title by Mortgagee</u>. As provided in Article V, Section 6, any first Mortgagee who obtains title to a Unit pursuant to the remedies provided in the mortgage, or a deed in lieu thereof, shall not be liable for such Unit's unpaid assessments which accrue prior to acquisition of title by the first Mortgagee.

ARTICLE X AMENDMENTS

- Section 1. <u>Proposal</u>. Amendments to these Condominium Bylaws may be proposed by the Board of Directors of the Association acting upon the vote of a majority of the Directors or by one of the Members by an instrument in writing signed by them.
- Section 2. <u>Meeting to Be Held</u>. If such an amendment is proposed, a meeting for consideration of the same shall be duly called in accordance with the provisions of the Condominium Documents.
- Section 3. <u>Vote Required</u>. These Condominium Bylaws may be amended by an affirmative vote of all Members in number and in value and one-half (1/2) of all Mortgagees at any regular meeting, or at a special meeting called for such purpose. For purposes of such voting, each Mortgagee shall have one (1) vote for each mortgage held. Notwithstanding the foregoing, no amendment of these Bylaws or any related condominium documents may be made without the prior written consent of the Genoa Charter Township, if such amendment would affect a right of the Genoa Charter Township set forth or reserved within these Bylaws or in the condominium documents.
- Section 4. <u>Amendments Not Materially Changing Condominium Bylaws</u>. The Board of Directors may enact amendments to these Condominium Bylaws without the approval of any Member or Mortgagee, provided that such amendments shall not materially alter or change the rights of a Member or Mortgagee, subject to obtaining the prior written consent of the Genoa Charter Township, if such amendment would affect a right of the Genoa Charter Township set forth or reserved within these Bylaws or in the condominium documents.
- Section 5. <u>Amendments Concerning Leases</u>. Provisions in these Condominium Bylaws relating to the ability or terms under which a Member may rent its Unit may not be modified and amended without the consent of each affected Member and Mortgagee and, prior to the Transitional Control Date, without the consent of the Developer.
- Section 6. <u>Effective Date</u>. Any amendment to these Condominium Bylaws shall become effective upon the recording of such amendment in the Office of the Register of Deeds in the county where the Condominium is located. Without the prior written approval of all holders of mortgage liens on any Unit in the Condominium, no amendment to these Condominium Bylaws shall become effective which involves any change, direct or indirect, any provision hereof that alters or changes materially the rights of any Member or Mortgagee.
- Section 7. Costs of Amendment. Any person causing or requesting an amendment to these Condominium Bylaws shall be responsible for the costs and expenses of considering, adopting, preparing and recording such amendment; provided, however, that such costs and expenses relating to amendments adopted pursuant to Article X, Section 3, or pursuant to a decision of the Advisory Committee shall be Expenses of Administration.
- Section 8. <u>Notice; Copies of Amendment</u>. Members and Mortgagees of record of Condominium Units shall be notified of proposed amendments not less than ten (10) days before the amendment is recorded. A copy of each amendment to these Condominium Bylaws shall be

furnished to every Member after recording; provided, however, that any amendment to these Condominium Bylaws that is adopted in accordance with this Article or the Act shall be binding upon all persons who have an interest in the Project irrespective of whether such persons actually receive a copy of the amendment.

ARTICLE XI DEFINITIONS

All terms used herein shall have the same meanings as set forth in the Act or as set forth in the Master Deed to which these Condominium Bylaws are attached as an exhibit.

ARTICLE XII REMEDIES FOR DEFAULT

- Section 1. <u>Relief Available</u>. Any default by a Member shall entitle the Association or another Member or Members to the following relief:
- (a) Failure to comply with any of the terms or conditions of the Condominium Documents shall be grounds for relief, which may include, without limitation, an action to recover sums due for damages, for injunctive relief, for foreclosure of lien (if in default in payment of an assessment) or any combination thereof, and such relief may be sought by the Association, or, if appropriate, by an aggrieved Member or Members.
- (b) In any proceeding arising because of an alleged default by any Member, the Association, if successful, shall be entitled to recover the costs of the proceeding and such reasonable attorneys' fees (not limited to statutory fees) as may be determined by the Court, but in no event shall any Member be entitled to recover such attorneys' fees.
- (c) Such other reasonable remedies as provided in the rules and regulations promulgated by the Board of Directors, including, without limitation, the levying of fines against Members after notice and opportunity for hearing, as provided in the Association rules and regulations, and the imposition of late charges for nonpayment of assessments.
- (d) The violation of any of the provisions of the Condominium Documents shall also give the Association or its duly authorized agents the rights set forth above, to enter, where reasonably necessary, upon the limited or General Common Elements, or into any Unit, and summarily remove and abate, at the expense of the violating Member, any structure, thing or condition existing or maintained contrary to the provisions of the Condominium Documents.
- Section 2. <u>Failure to Enforce</u>. The failure of the Association or of any Member to enforce any right, provision, covenant or condition which may be granted by the Condominium Documents shall not constitute a waiver of the right of the Association or of any such Member to enforce such right, provision, covenant or condition in the future.
- Section 3. <u>Rights Cumulative; Governing Law; Jurisdiction</u>. All rights, remedies and privileges granted to the Association or any Member or Members pursuant to any terms, provisions, covenants or conditions of the Condominium Documents shall be deemed to be cumulative, and the exercise of any one or more shall not be deemed to constitute an election of

remedies, nor shall it preclude the party exercising the same from exercising such other and additional rights, remedies or privileges as may be available to such party at law or in equity. These Condominium Bylaws shall be governed by and construed in accordance with the laws of the State of Michigan without regard to conflicts of laws provisions. The state courts located in Livingston County, Michigan or the appropriate federal courts located in the Eastern District of Michigan shall have exclusive jurisdiction for the enforcement and interpretation of this Agreement.

ARTICLE XIII SEVERABILITY

If any of the terms, provisions or covenants of these Condominium Bylaws or the Condominium Documents are held to be partially or wholly invalid or unenforceable for any reason whatsoever, such holding shall not affect, alter, modify or impair in any manner whatsoever any of the other terms, provisions or covenants of such documents or the remaining portions of any terms, provisions or covenants held to be partially invalid or unenforceable.

ARTICLE XIV CONFLICTING PROVISIONS

In the event of a conflict between the provisions of the Act (or other laws of the State of Michigan) and any Condominium Document, the Act (or other laws of the State of Michigan) shall govern. In the event of any conflict between the provisions of any one or more Condominium Documents, the following order of priority shall prevail, and the provisions of the Condominium Document having the highest priority shall govern:

- (1) the Master Deed, including the Condominium Subdivision Plan;
- (2) these Condominium Bylaws;
- (3) the Articles of Incorporation of the Association; and
- (4) the Rules and Regulations of the Association.

PRELIMINARY SITE PLAN FOR

2025 EULER ROAD

BEING PART OF SECTION 13, T2N,R5E, GENOA TOWNSHIP LIVINGSTON COUNTY, MICHIGAN

LEGAL DESCRIPTION SUBSQUENT TO SURVEY

Also described as related to the Grid North of State Plane Coordinated

System as defined in Michigan Coordinate System Act 9 of 1964, Section

5a(c) as follows:

Situated in the Township of Genoa, County of Livingston and State of

as described as follows:

Commencing at the Northwest Corner of Section 13, Town 2 North, Range 5
East, Genoa Township, Livingston County, Michigan;

thence N88°06'58"E 1308.19 feet (recorded as N88°12'13"E 1305.90 feet) along the North line of said Section 13 to the nominal centerline of Euler Road (33-foot wide 1/2 Right-of-Way) and the **PLACE OF BEGINNING**; thence continuing N88°06'58"E (recorded as N88°47'01"E) 1220.41 feet along said North line to a Brass Cap stamped "Livingston Co. Remonumentation Witness" as recorded in L.C.R.C. Document No. 2021CR-0020; thence continuing N88°06'58"E (recorded as N88°47'01"E) 129.89 feet to the North 1/4 Corner (as calculated) of said Section 13, said Corner being under

thence S02'37'00"E (recorded as S01'58'40"E) 129.95 feet (as calculated) along the North—South 1/4 line of said Section 13 to a Brass Cap stamped "Livingston Co. Remonumentation Witness" as recorded in said L.C.R.C.; thence continuing S02'37'00"E (recorded as S01'58'40"E) 330.10 feet along said North—South 1/4 line of said Section 13 to North line of the South 200 feet of the North 1/2 of the Northeast 1/4 of the Northwest 1/4 of said Section 13 as monumented;

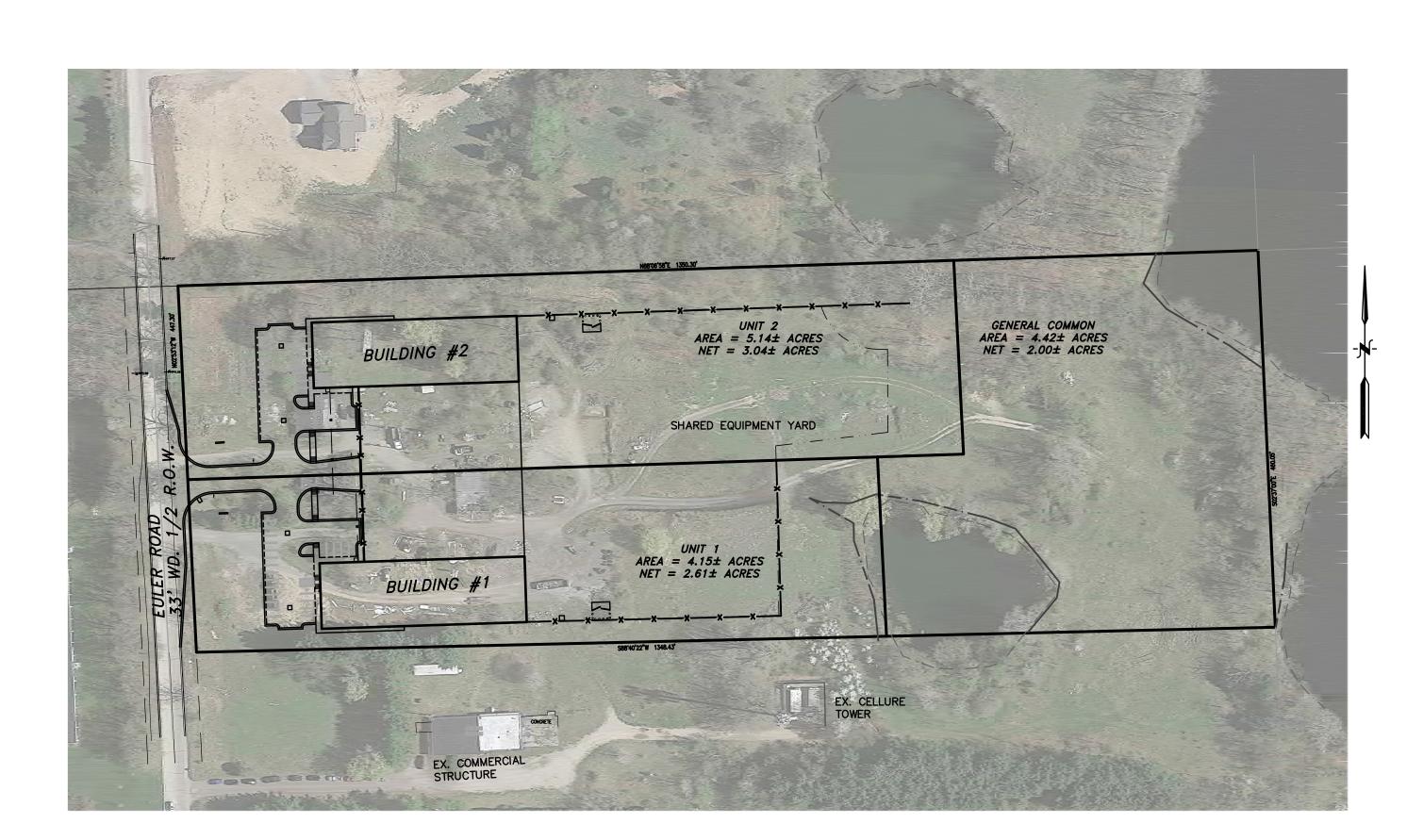
thence S88'40'22"W 1348.43 feet (recorded as S88'47'01"W 1348.63 feet) along said North line of the South 200 feet of the North 1/2 of the Northeast 1/4 of the Northwest 1/4 of Section 13 as monumented to said nominal centerline of Euler Road;

thence N02°53'12"W 446.98 feet (recorded as N02°30'21"W 460.00 feet) to the Place of Beginning.

Being a part of the Northwest 1/4 of Section 13, Town 2 North, Range 5 East, Genoa Township, Livingston County, Michigan. Containing 14.05 acres of land, more or less (which includes the bottom lands of ponds). Subject to the rights of the public over the Westerly 33 feet thereof as occupied by Euler Road, also subject to and together with all easements and restrictions affecting title to the above described premises.

Tax ID No.: 4711-13-100-011

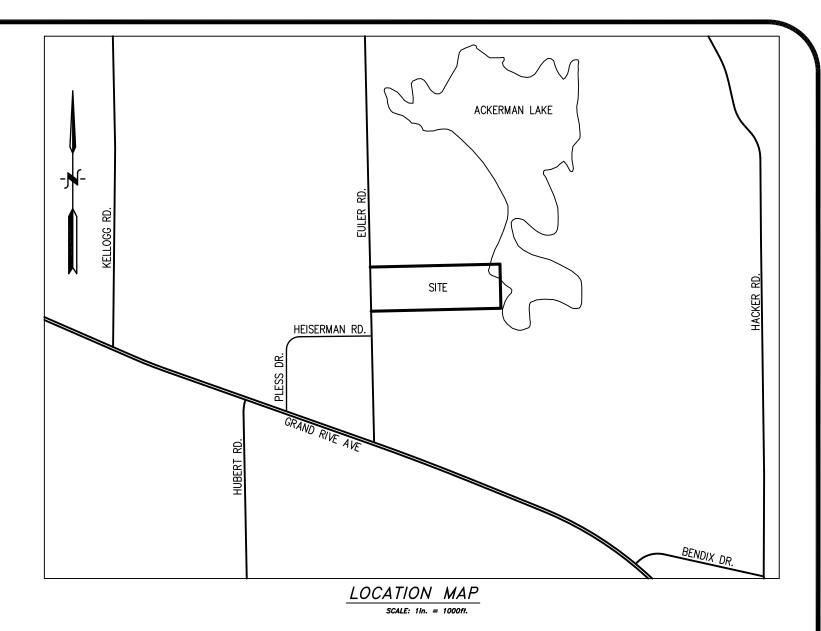
Also known as: 2025 Euler Road, Brighton, Michigan 48114



OWNER/DEVELOPER

4M GENOA LLC 2244 EULER ROD BRIGHTON, MICHIGAN 48114 CIVIL ENGINEER / LAND SURVEYOR

DESINE, INC.
2183 PLESS DRIVE
BRIGHTON, MICHIGAN 48114
810-227-9533



SHEET INDEX

EX EXISTING CONDITIONS AND

DEMOLITION PLAN

SP SITE PLAN

SPD SITE PLAN DETAIL

UT1 UTILITY PLAN

T2 WATERMAIN & SANITARY SEWER PROFILES

UT3 DETENTION BASIN AND CONTROL STRUCTURE

PROFILE & CALCULATIONS

GR1 GRADING PLAN GR2 GRADING PLAN

SE1 SOIL EROSION CONTROL PLAN

SE2 SOIL EROSION CONTROL NOTES & DETAILS

LS1 LANDSCAPE PLAN

LS2 LANDSCAPE PLAN

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WS WATERSHED PLAN

DT1 SITE & PAVEMENT NOTES & DETAILS

DT2 STORM SEWER NOTES & DETAILS

DT3 FENCING NOTES & DETAILS

MHOG STANDARD SANITARY SEWER AND

WATERMAIN DETAILS

PHOTOMETRIC SITE PLAN

ARCHITECTURAL PLANS

A01.01A LOWER LEVEL FLOOR PLAN - UNIT #1

A01.01B LOWER LEVEL FLOOR PLAN - UNIT #2

A01.02A UPPER LEVEL FLOOR PLAN - UNIT #1

A01.02B UPPER LEVEL FLOOR PLAN - UNIT #2 A02.01A EXTERIOR ELEVATIONS - UNIT #1

A02.01B EXTERIOR ELEVATIONS - UNIT #2







PRINT: JAN. 26, 2024

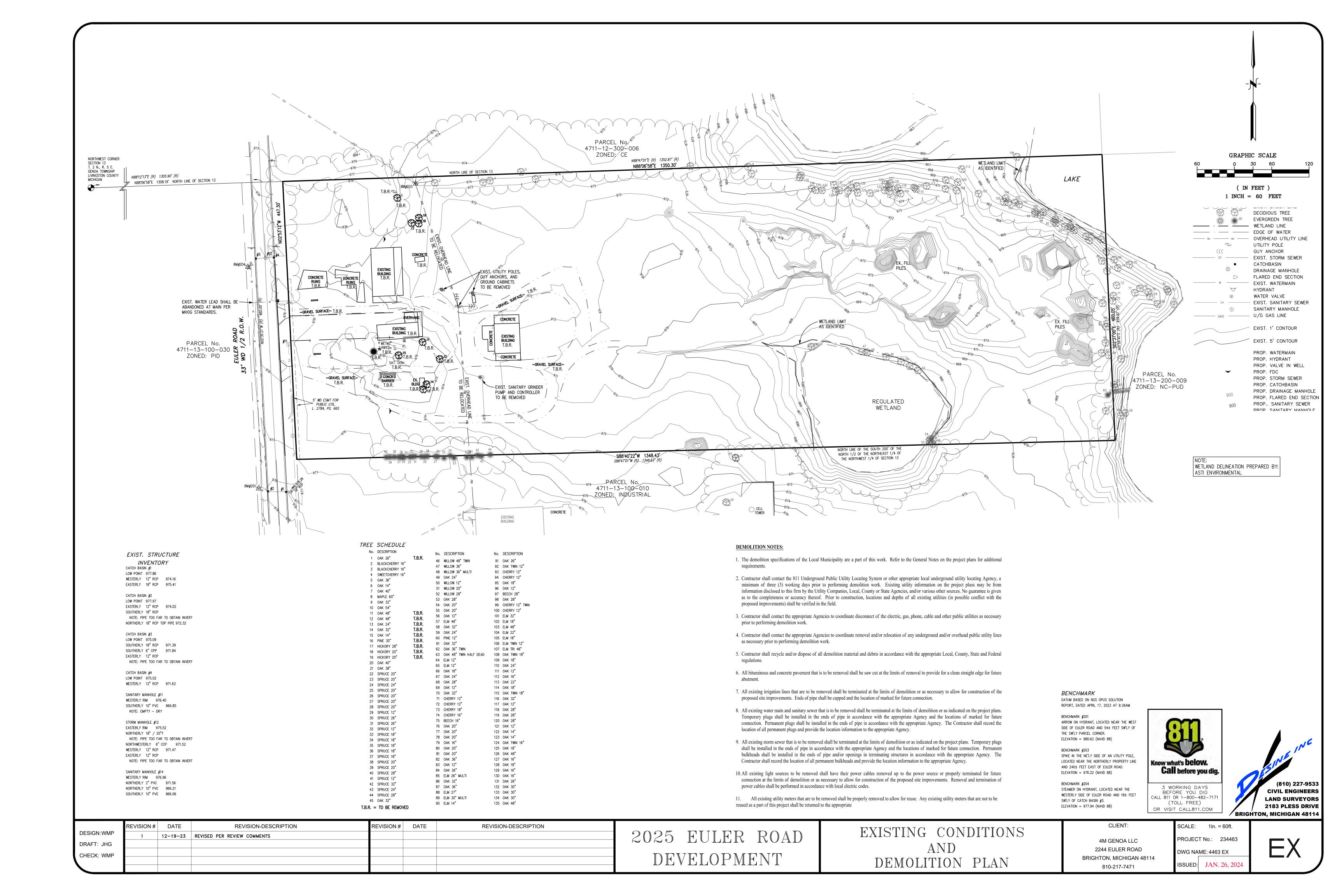
ISSUED SCALE: AS NOTED

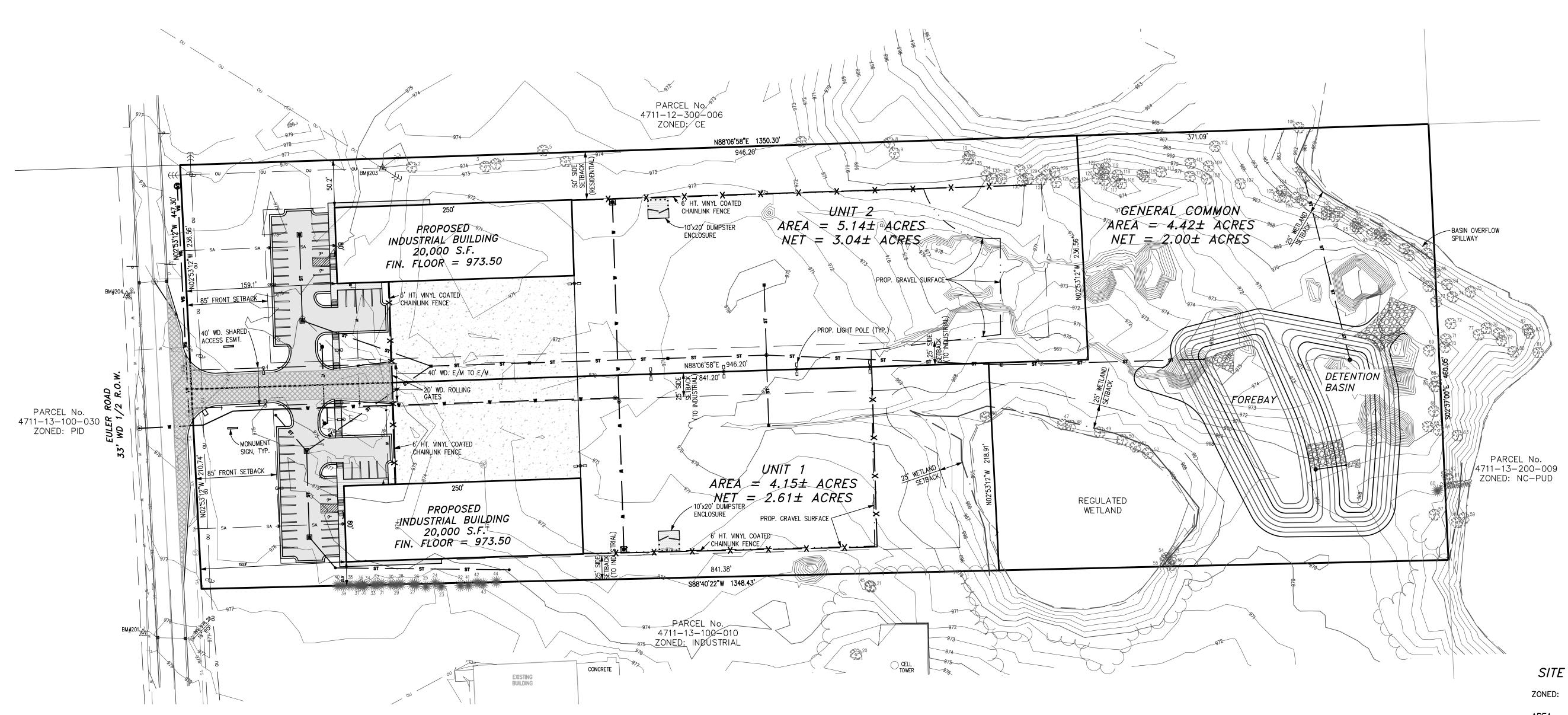
NOV. 3, 2023

DEC. 19, 2023

DWG NAME: 4463 COV

3 WORKING DAYS
BEFORE YOU DIG
CALL 811 OR 1-800-482-7171
(TOLL FREE)
OR VISIT CALL811.COM





<u>UNIT 1</u>

SITE COVERAGE

TOTAL AREA: 180,684 S.F. (4.15 AC.)

TOTAL BUILDING FOOTPRINT: 20,000 S.F. (0.46 AC.) BUILDING COVERAGE: 11.1% (40% MAX. ALLOWABLE)

TOTAL PAVEMENT AREA: 38,611 S.F. (0.89 AC.)

TOTAL GRAVEL AREA: 57,673 S.F. (1.32 AC.)

TOTAL IMPERVIOUS AREA: 116,284 S.F. (2.67 AC.)

IMPERVIOUS COVERAGE: 64.4% (85% MAX. ALLOWABLE)

28 SPACES (PROVIDED)

TOTAL AREA: 223,802 S.F. (5.14 AC.)

TOTAL BUILDING FOOTPRINT: 20,000 S.F. (0.46 AC.)

BUILDING COVERAGE: 8.9% (40% MAX. ALLOWABLE)

TOTAL PAVEMENT AREA: 38,309 S.F. (0.88 AC.) TOTAL GRAVEL AREA: 85,781 S.F. (1.97 AC.)

TOTAL IMPERVIOUS AREA: 144,090 S.F. (2.85 AC.)

IMPERVIOUS COVERAGE: 64.4% (85% MAX. ALLOWABLE)

BUILDING FLOOR SPACE

APPROXIMATE BLDG. FLOOR SPACE FOR INDUSTRIAL USE: 13,600 S.F. (PER BUILDING) APPROXIMATE BLDG. FLOOR SPACE FOR OFFICE USE: 12,100 S.F. (PER BUILDING)

SITE CHARACTERISTICS

INDUSTRIAL ALLOWED MIN. AREA 1 ACRE

WIDTH SETBACKS

85'/50' PARKING FRONT 153.9' / 85.1' PARKING 25'/50' RESID. 25.0'/50.2' REAR 437.1

PROP. HEAVY DUTY

GRAPHIC SCALE

(IN FEET) 1 INCH = 60 FEET

----- BUILDING SETBACK

PARCEL BOUNDARY

EASEMENT LINE

EXIST. EDGE OF PAVEMENT

EXIST. CONC. CURB ---- EXIST. EDGE OF GRAVEL

DECIDIOUS TREE

UTILITY POLE GUY ANCHOR

CATCHBASIN

HYDRANT

WATER VALVE

DRAINAGE MANHOLE

FLARED END SECTION

EXIST. SANITARY SEWER SANITARY MANHOLE

EXIST. 1' CONTOUR

EXIST. 5' CONTOUR

PROP. WATERMAIN

PROP. VALVE IN WELL

PROP. STORM SEWER

PROP. DRAINAGE MANHOLE

PROP. FLARED END SECTION

PROP. CONC. PAVEMENT PROP. STANDARD DUTY BITUMINOUS PAVEMENT

PROP. CATCHBASIN

----- PROP.. SANITARY SEWER S PROP. SANITARY MANHOLE PROP. CONC. CURB PROP. LIGHT POLE PROP. CONC. WALK

PROP. HYDRANT

PROP. FDC

EXIST. WATERMAIN

LEGEND

------ R.O.W. LINE

EXIST. BRUSH LINE

EVERGREEN TREE

--- EDGE OF WATER

- ∞ ---- overhead utility line

—— ST ———— EXIST. STORM SEWER

GAS - U/G GAS LINE

PARKING 20'/10' SIDE & REAR BUILDING HEIGHT 30'

BENCHMARK DATUM BASED ON NGS OPUS SOLUTION REPORT, DATED APRIL 17, 2023 AT 9:26AM

BENCHMARK #201 ARROW ON HYDRANT, LOCATED NEAR THE WEST SIDE OF EULER ROAD AND 54± FEET SW'LY OF THE SW'LY PARCEL CORNER. ELEVATION = 980.62 (NAVD 88)

BENCHMARK #203 SPIKE IN THE NE'LY SIDE OF AN UTILITY POLE, LOCATED NEAR THE NORTHERLY PROPERTY LINE AND 240± FEET EAST OF EULER ROAD. ELEVATION = 976.22 (NAVD 88)

BENCHMARK #204 STEAMER ON HYDRANT, LOCATED NEAR THE WESTERLY SIDE OF EULER ROAD AND 18± FEET SW'LY OF CATCH BASIN #3. ELEVATION = 977.94 (NAVD 88)



3 WORKING DAYS BEFORE YOU DIG CALL 811 OR 1-800-482-7171 (TOLL FREE) OR VISIT CALL811.COM



		REVISION#	DATE	REVISION-DESCRIPTION	REVISION#	DATE	REVISION-DESCRIPTION			
	DESIGN:WMP	1	12-19-23	REVISED PER REVIEW COMMENTS				2025	RIJIRR	ROAI
	DRAFT: JHG	2	01-26-24	REVISED PER PLANNING COMMISSION APPROVAL COMMENTS				4040		
	CHECK: WMP								/FIODMI	
1										

NOTES:

INTEGRATED INTO ACCESS PAD.

A MINIMUM LOAD OF 84,000 LBS.

AUTHORITY PRIOR TO INSTALLATION.

ACCESS GATE, WHETHER MANUAL OR AUTOMATIC, SHALL BE PROVIDED WITH AN APPROPRIATE

RAPID ACCESS DEVICE; EITHER KNOX PADLOCK ON SECURITY CHAIN OR KNOX KEY SWITCH

• ACCESS ROADS TO THE SITE SHALL BE PROVIDED AND MAINTAINED DURING CONSTRUCTION. ACCESS ROADS SHALL BE CONSTRUCTED TO BE CAPABLE OF SUPPORTING FIRE APPARATUS WITH

A MINIMUM VERTICAL CLEARANCE OF 13.5' SHALL BE MAINTAINED ALONG ALL FIRE ACCESS

WITH NFPA 13, STANDARD FOR THE INSTALLATION OF AUTOMATIC SPRINKLER SYSTEMS.

BUILDING SHALL INCLUDE AN ADDRESS SIGN WITH NUMBERS IN CONTRASTING COLORS, AT A

MINIMUM HEIGHT OF 6". LOCATION AND SIZE TO BE VERIFIED WITH BRIGHTON AREA FIRE

BUILDINGS SHALL BE CONSTRUCTED WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE

REQUIRED PARKING (PER BUILDING)

REQUIRED PARKING SPACES: 18 SPACES

REQUIRED PARKING SPACES: 10 SPACES

TOTAL REQUIRED SPACES: 56 SPACES

REQUIRED SPACES PER BUILDING: 28 SPACES

TOTAL REQUIRED BARRIER FREE SPACES: 4 SPACES

LIGHT INDUSTRIAL: 1.5 SPACES PER 1,000 S.F. GROSS FLOOR AREA

APPROXIMATE LIGHT INDUSTRIAL FLOOR AREA: 11,490 S.F.

WAREHOUSING: 1 SPACE PER 1,500 S.F. GROSS FLOOR AREA

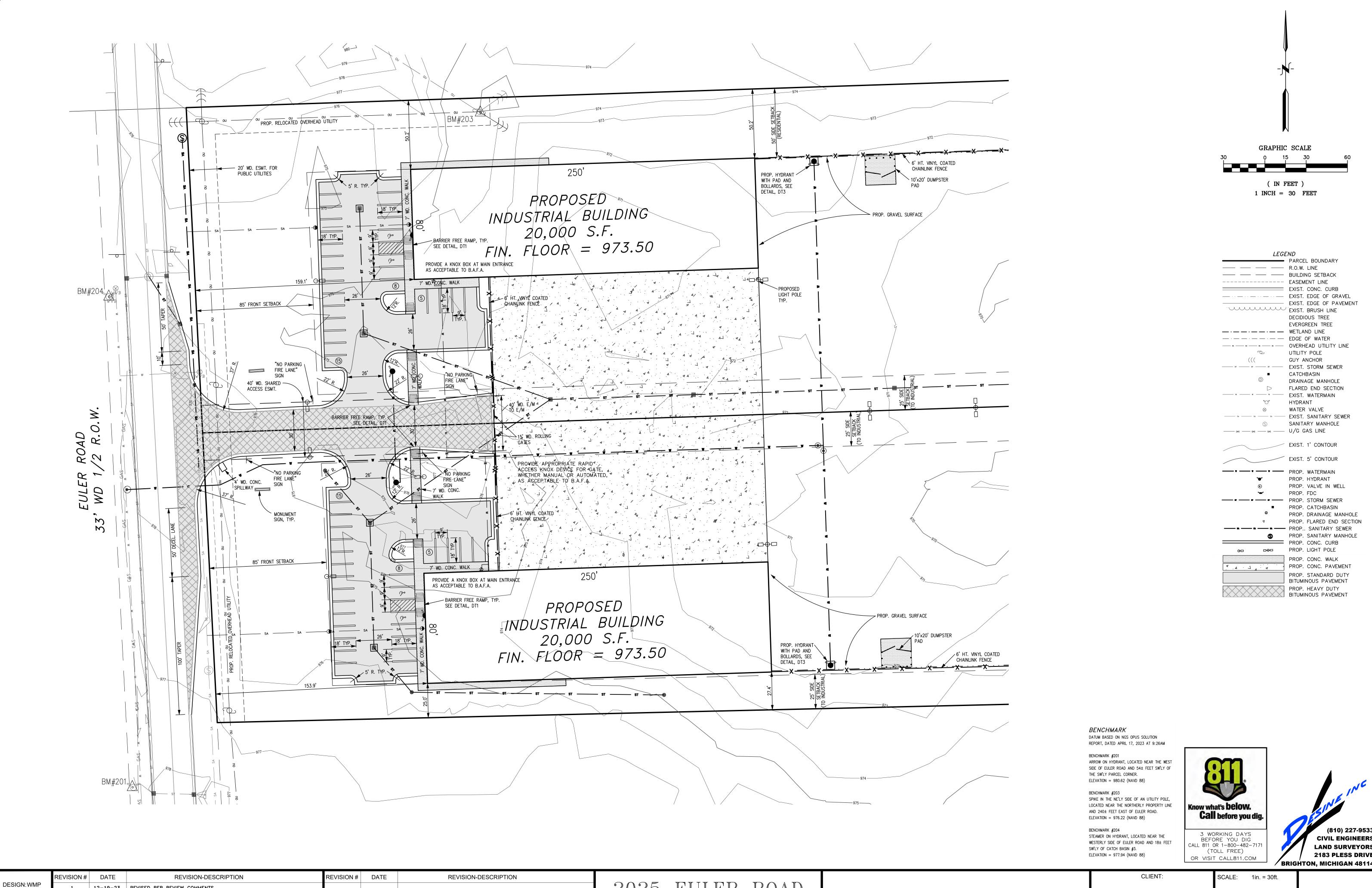
REQUIRED BARRIER FREE SPACES: 2 SPACES FOR 26-50 REQUIRED TOTAL SPACES

APPROXIMATE WAREHOUSE FLOOR AREA: 13,600 S.F.

SITE PLAN

CLIENT: 4M GENOA LLC 2244 EULER ROAD BRIGHTON, MICHIGAN 48114 810-217-7471

SCALE: 1in. = 60ft. PROJECT No.: 234463 DWG NAME: 4463 SP ISSUED: JAN. 26, 2024



4M GENOA LLC 2244 EULER ROAD BRIGHTON, MICHIGAN 48114

810-217-7471

PROJECT No.: 234463 DWG NAME: 4463 SP ISSUED: JAN. 26, 2024

(810) 227-9533

CIVIL ENGINEERS

LAND SURVEYORS 2183 PLESS DRIVE

EVERGREEN TREE

PROP. VALVE IN WELL

PROP. CONC. WALK

PROP. STANDARD DUTY

PROP. FLARED END SECTION

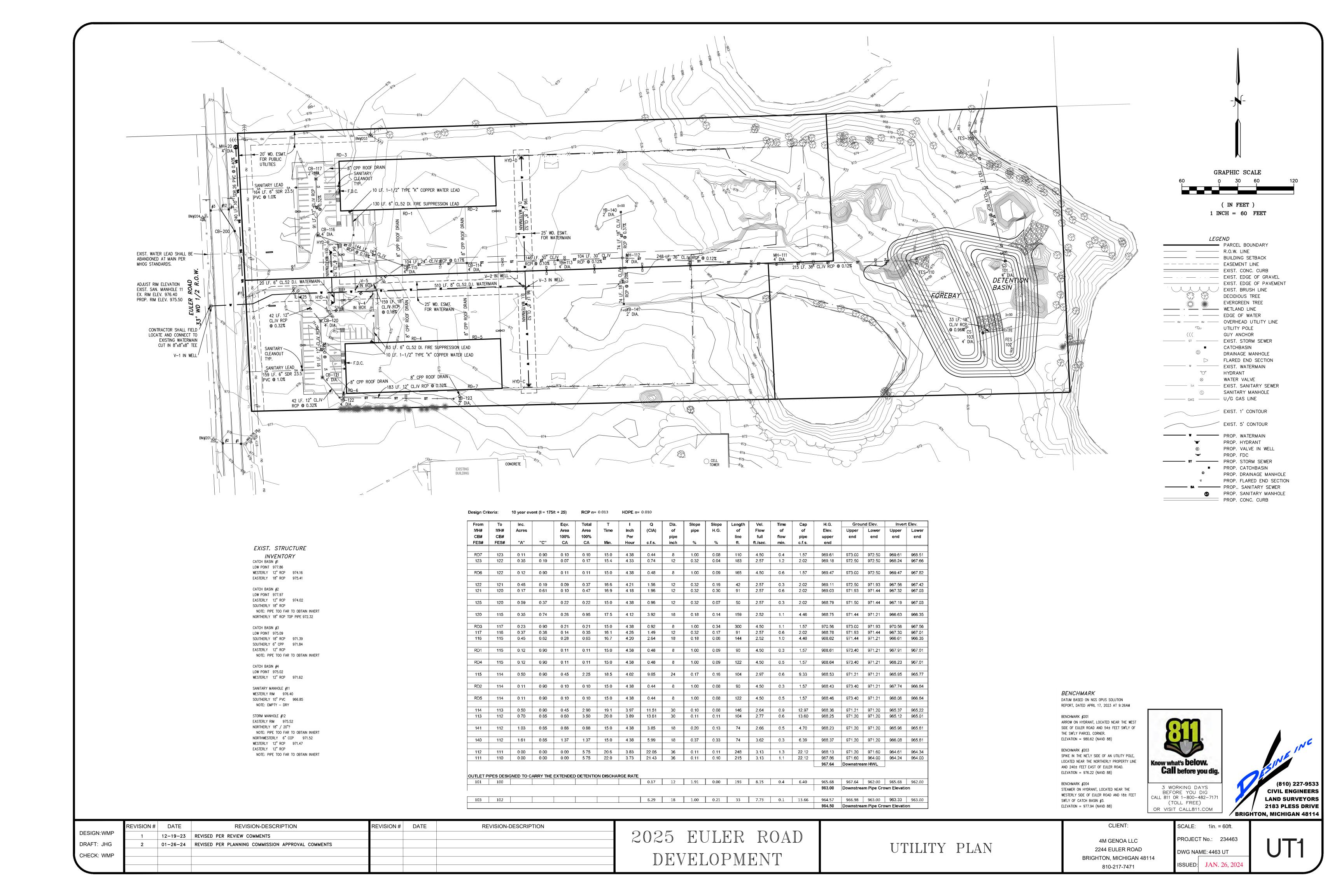
PROP. FDC

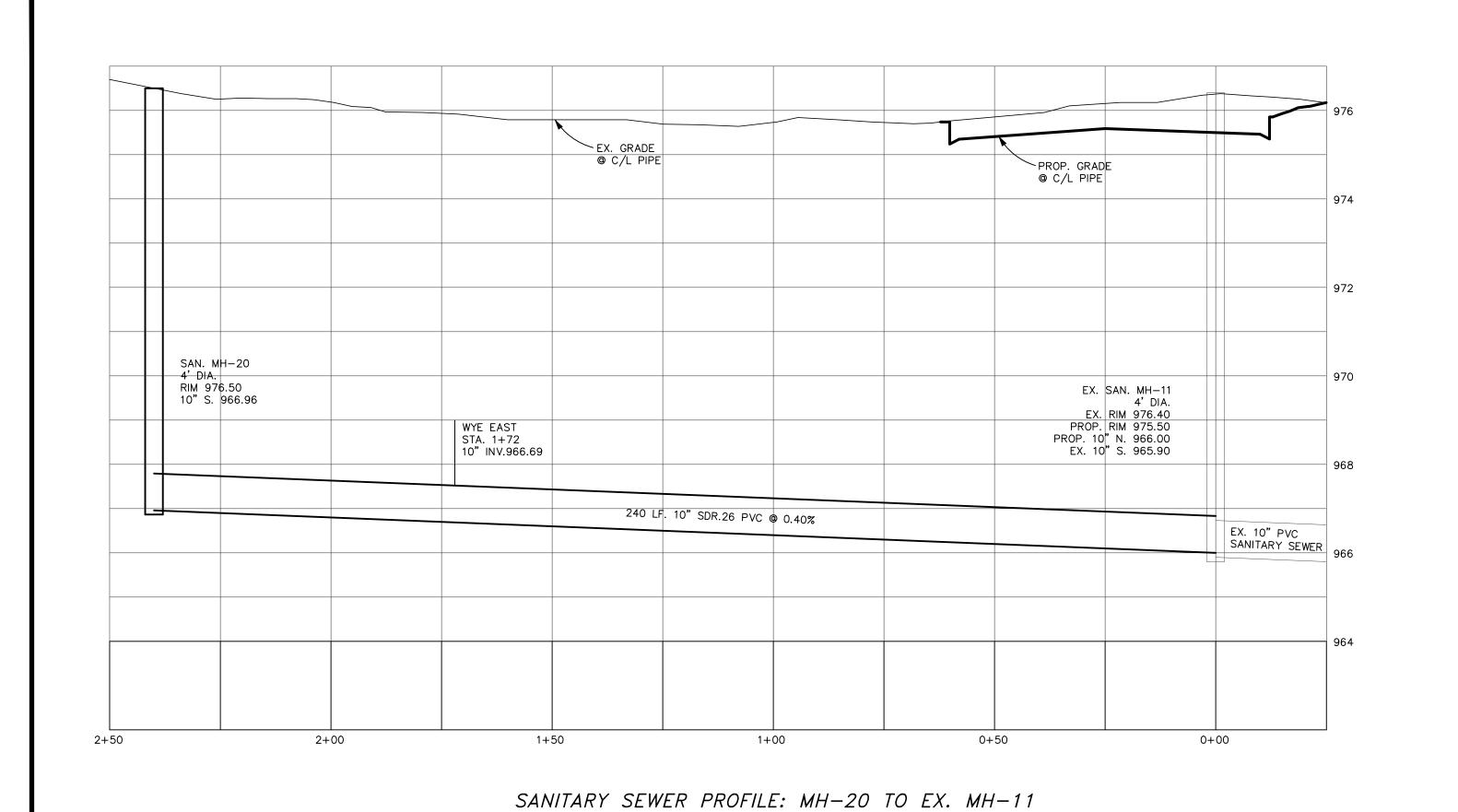
12-19-23 REVISED PER REVIEW COMMENTS

01-26-24 REVISED PER PLANNING COMMISSION APPROVAL COMMENTS

DRAFT: JHG

CHECK: WMP



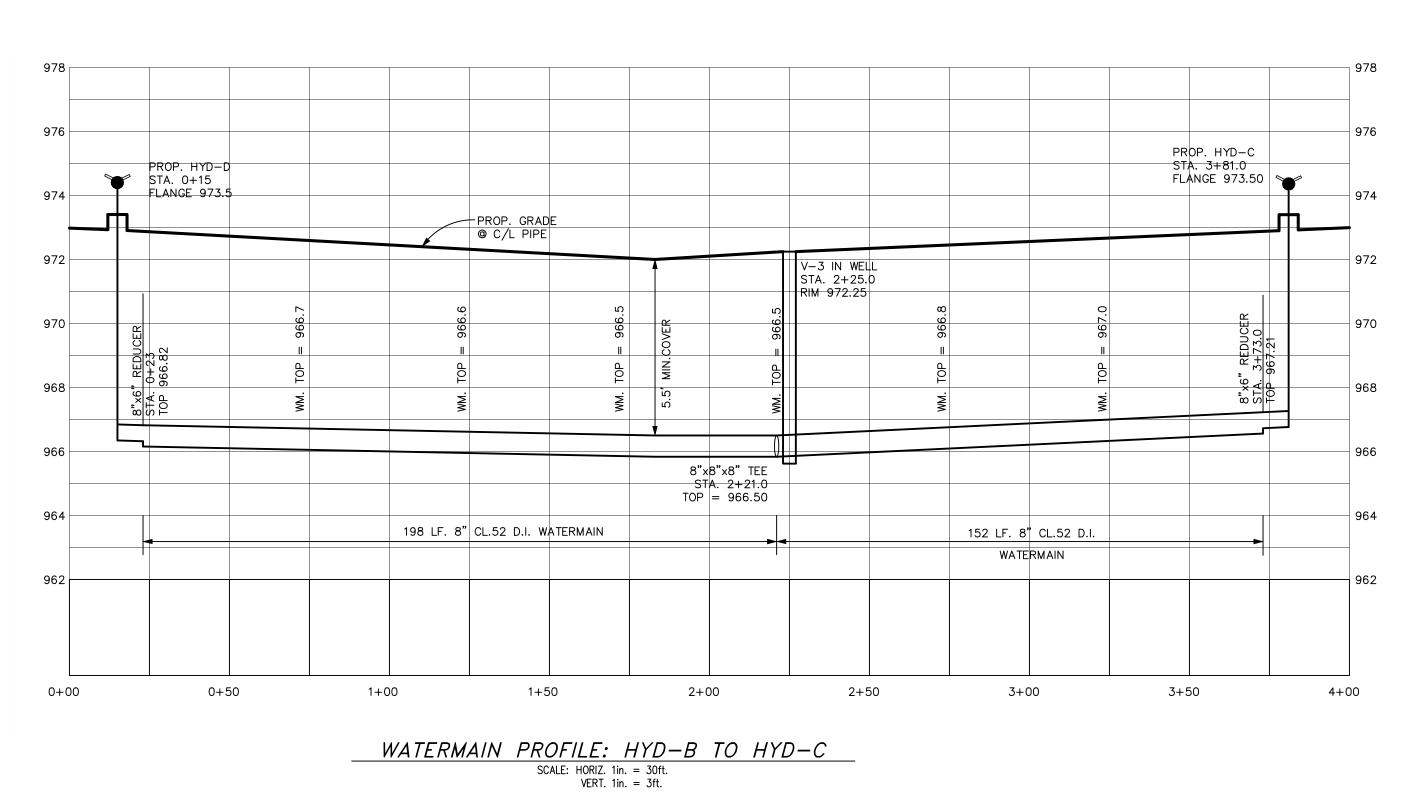


SCALE: HORIZ. 1in. = 20ft. VERT. 1in. = 2ft.

8"x22.5" BEND

0+50

STA. 0+78.6TOP = 969.22



V-2 IN WELL STA. 5+16.5 RIM 972.25

> 8"x8"x8" TEE \$TA. 5+20.5 TOP = 966.50

964

976

974

974

976

PROP. GRADE

PROP. GRADE

OCAL PIPE

STA. 2+34.5
FLANGE 973.00

972

PROP. GRADE

OCAL PIPE

STA. 2+34.5
FLANGE 973.00

OCAL PIPE

OCA

8"x22.5° BEND

STA. 1+12.5 TOP = 967.65

1+50

34 LF. CL.52 D.I. WATERMAIN

1+00

WATERMAIN PROFILE: EXISTING MAIN TO TEE

SCALE: HORIZ. 1in. = 30ft.
VERT. 1in. = 3ft.

34 LF. CL.52 28 LF. CL.52

D.I. WATERMAIN D.I. WATERMAIN

2+50

8"x8"x6" TEE

STA. 2+47.0TOP = 966.50

HYD TEE HYD TEE

STA. 2+09.0 STA. 2+12.0

TOP = 966.50 TOP = 966.50

2+00

BENCHMARK

DATUM BASED ON NGS OPUS SOLUTION
REPORT, DATED APRIL 17, 2023 AT 9:26AM

BENCHMARK #201
ARROW ON HYDRANT, LOCATED NEAR THE WEST
SIDE OF EULER ROAD AND 54± FEET SW'LY OF
THE SW'LY PARCEL CORNER.
ELEVATION = 980.62 (NAVD 88)

BENCHMARK #203

SPIKE IN THE NE'LY SIDE OF AN UTILITY POLE,
LOCATED NEAR THE NORTHERLY PROPERTY LINE
AND 240± FEET EAST OF EULER ROAD.
ELEVATION = 976.22 (NAVD 88)

BENCHMARK #204
STEAMER ON HYDRANT, LOCATED NEAR THE
WESTERLY SIDE OF EULER ROAD AND 18± FEET
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ELEVATION = 977.94 (NAVD 88)



3 WORKING DAYS
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(TOLL FREE)
OR VISIT CALL811.COM

(810) 227-9533 CIVIL ENGINEERS LAND SURVEYORS 2183 PLESS DRIVE BRIGHTON, MICHIGAN 48114

	REVISION#	DATE	REVISION-DESCRIPTION	REVISION#	DATE	REVISION-DESCRIPTION	
DESIGN:WMP	1	12-19-23	REVISED PER REVIEW COMMENTS				
DRAFT: JHG							
CHECK: WMP							

CONTRACTOR SHALL FIELD

LOCATE AND CONNECT TO
EXISTING WATERMAIN
CUT IN 8"x8"x8" TEE

STA. $0+10\pm$ TOP = 970.2±

964

962

0+00

2025 EULER ROAD
DEVELOPMENT

245 LF. CL.52 D.I. WATERMAIN

4+00

4+50

3+50

8"x8"x6" TEE STA. 2+75.0 TOP = 966.50

3+00

WATERMAIN & SANITARY SEWER PROFILES

5+00

4M GENOA LLC 2244 EULER ROAD BRIGHTON, MICHIGAN 48114 810-217-7471

CLIENT:

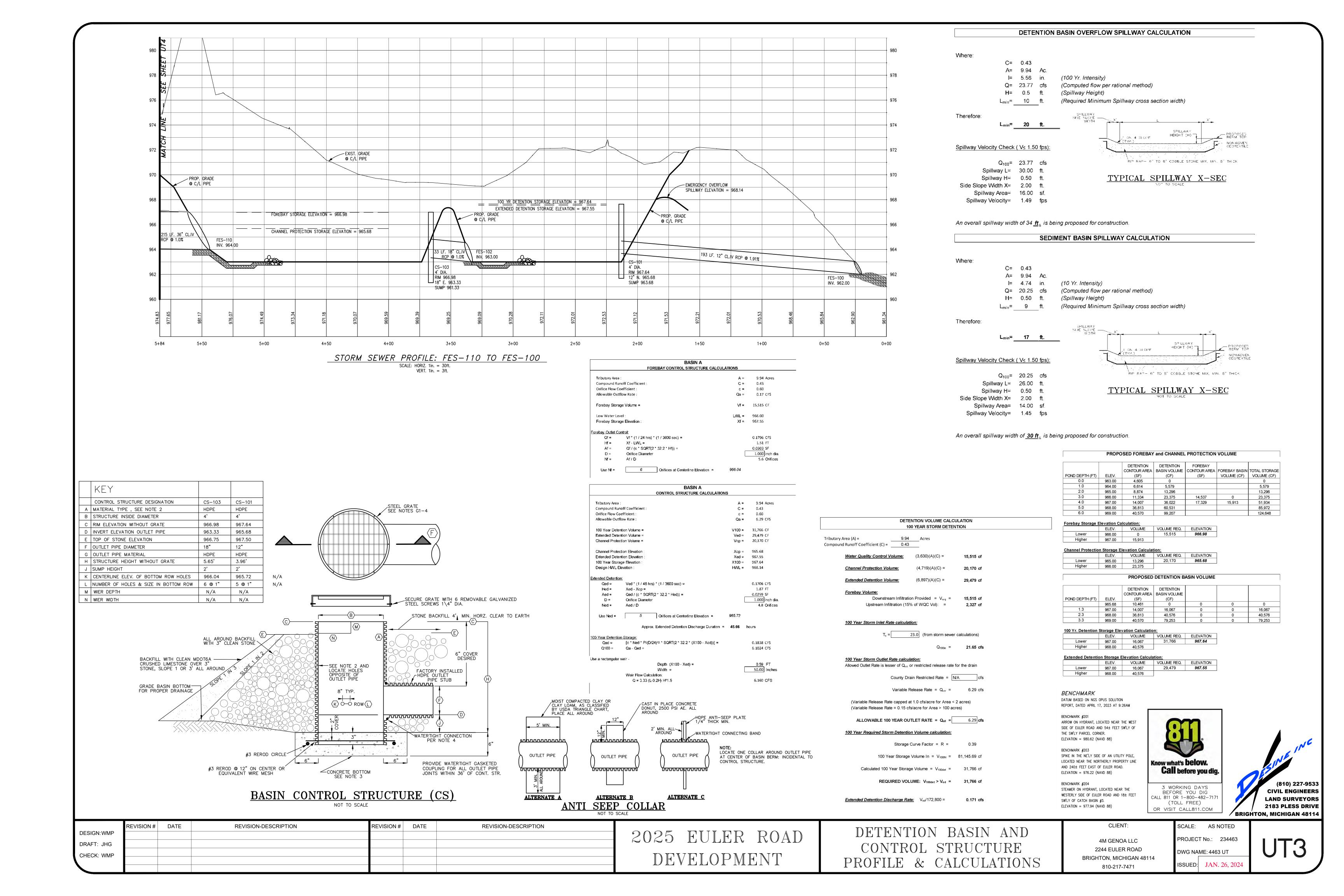
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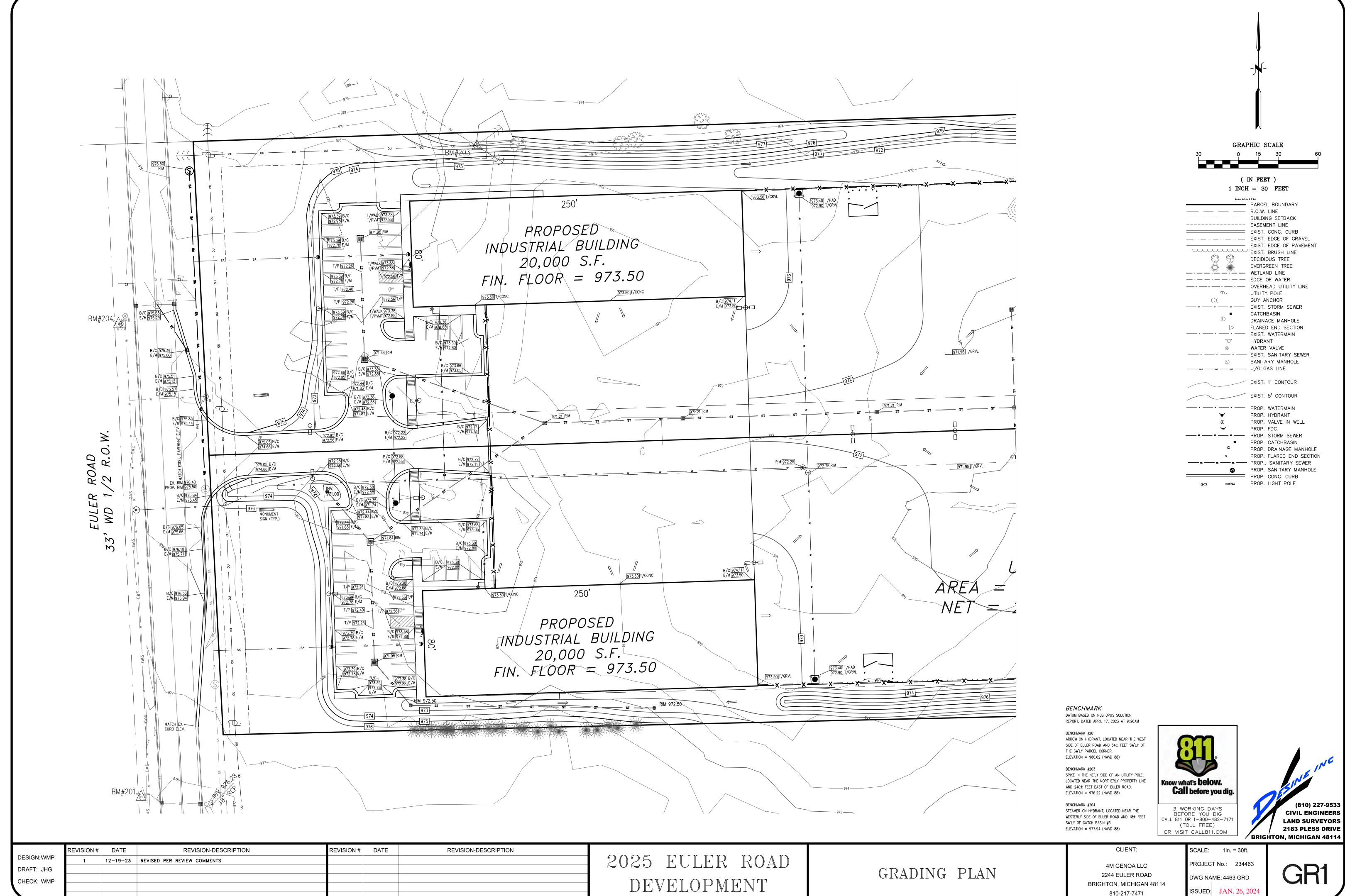
PROJECT No.: 234463

DWG NAME: 4463 UT

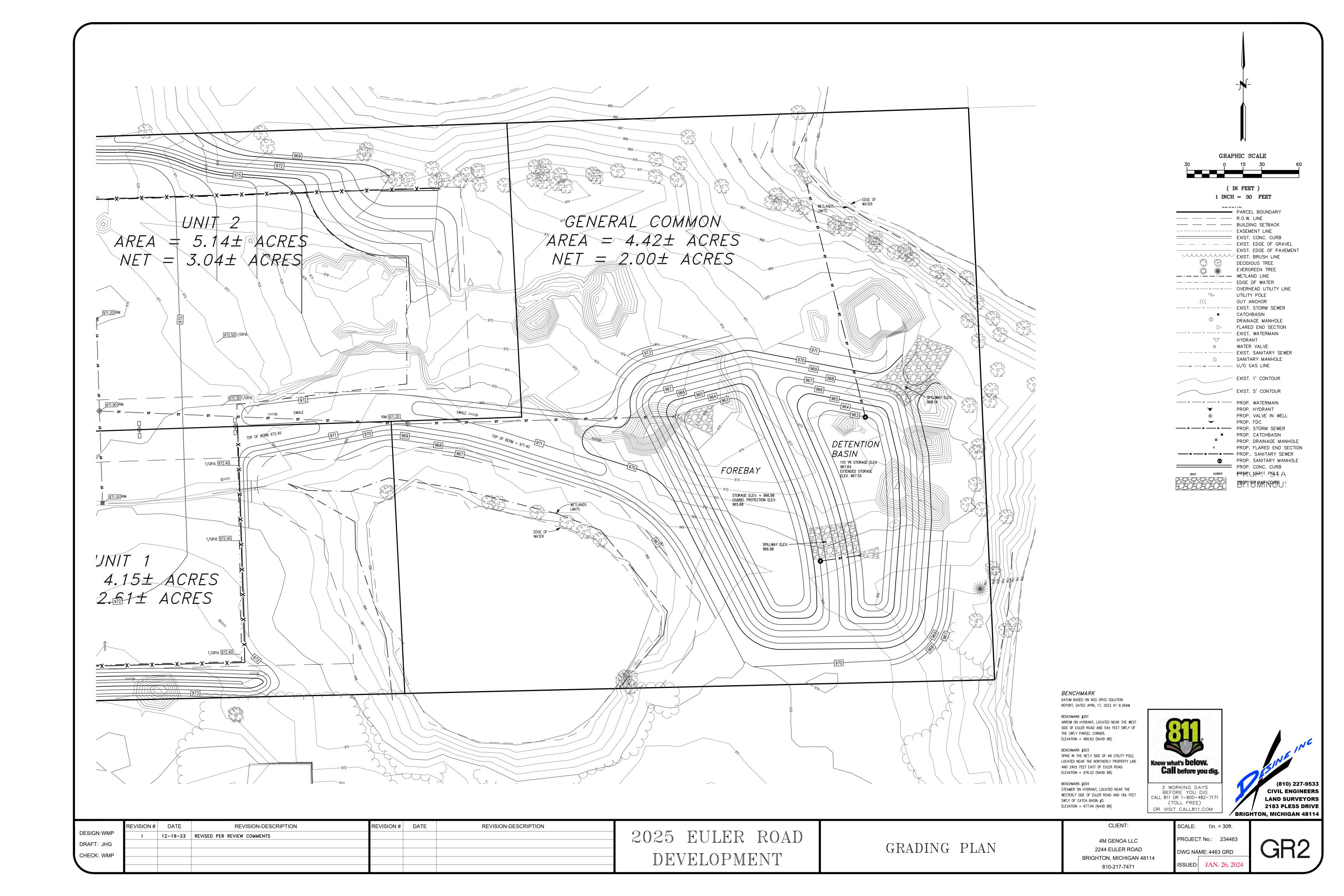
ISSUED: JAN. 26, 2024

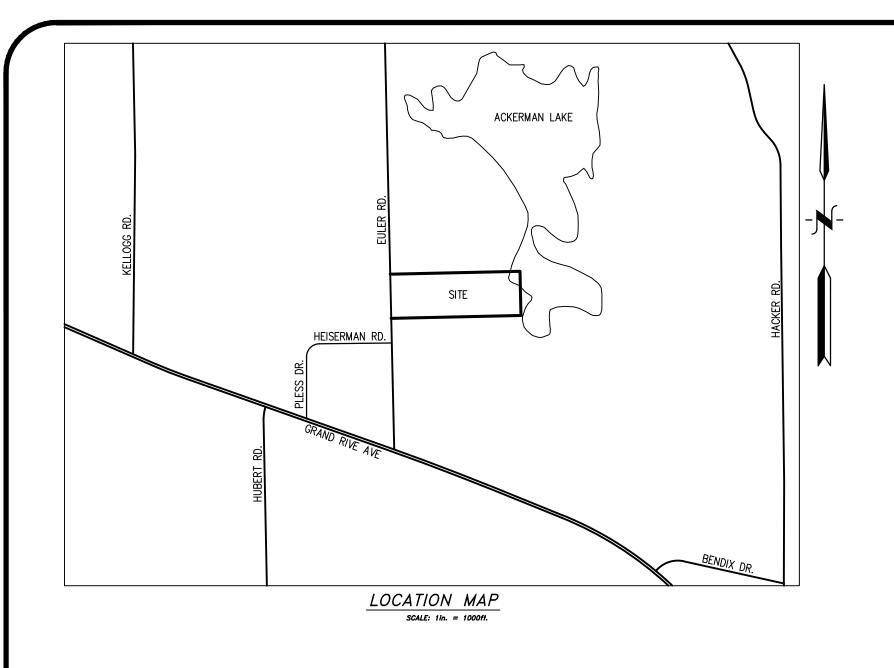
UT2

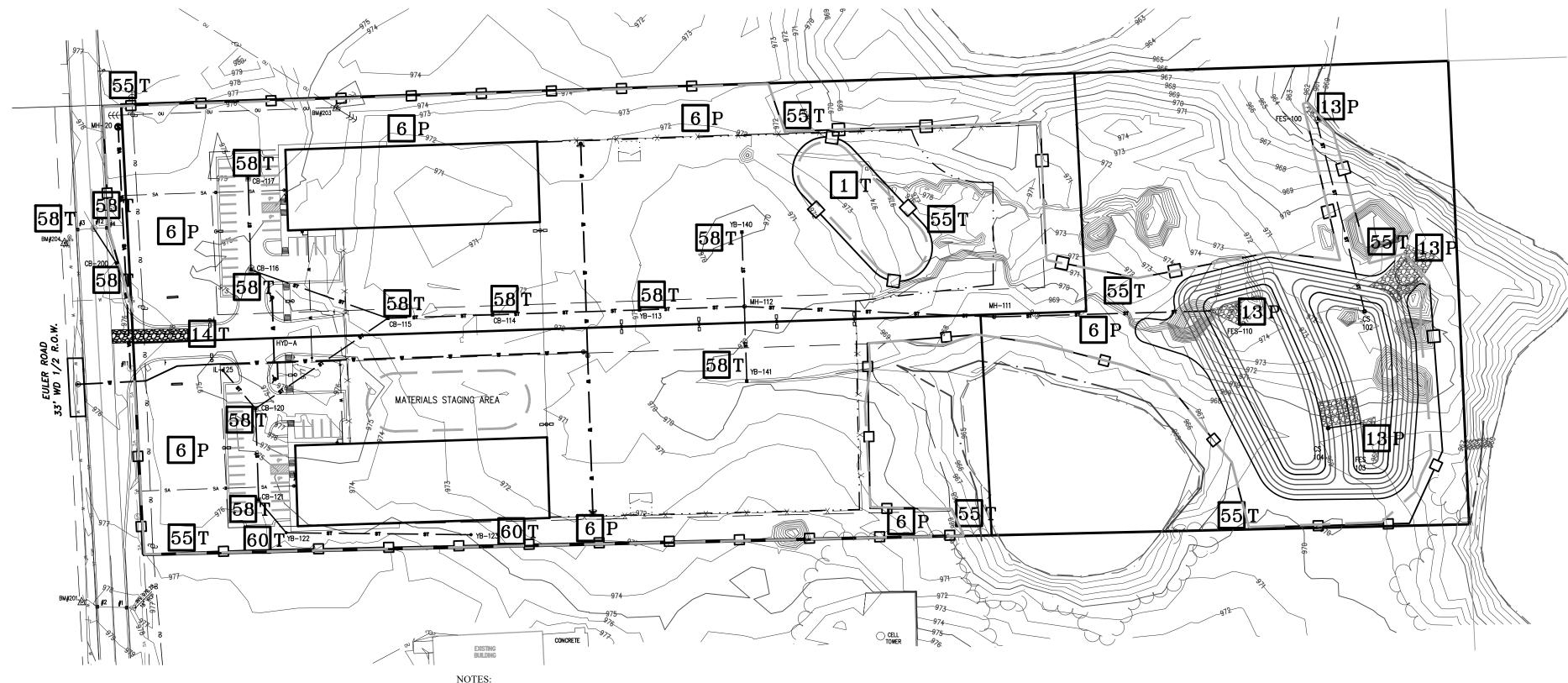




810-217-7471









SOILS MAP

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI	
BtA	Boyer-Oshtemo loamy sands, 0 to 2 percent slopes	10.6	33.3	
BtB	Boyer-Oshtemo loamy sands, 2 to 6 percent slopes	8.7	27.3	
BtD	Boyer-Oshtemo loamy sands, 12 to 18 percent slopes	0.0	0,29	
BuA	Brady loamy sand, 0 to 2 percent slopes	2.1	6.79	
CarabA	Carlisle muck, 0 to 2 percent slopes	4.6	14.4	
FoB	Fox sandy loam, 2 to 6 percent slopes	3.0	9.4	
FrD Fox-Boyer complex, 12 to 18 percent slopes		2.8	8.7	
Totals for Area of Interest		32.0	100.0	

MAINTENANCE NOTES FOR SOIL EROSION CONTROL MEASURES:

The Construction Site and all Soil Erosion Control Measures shall be inspected periodically in accordance with the appropriate local municipality/authority and the Michigan EGLE NPDES rules and regulations. At a MINIMUM, inspections shall be performed once a week and within 24 hours following a storm event resulting in 1" of rainfall or greater. Inspections shall be performed throughout the duration of the construction process and until the site is completely stabilized. Following construction, the owner (or its assignee) shall periodically inspect all permanent soil erosion control measures to ensure proper operation.

MUD TRACKING CONTROL DEVICE / CONSTRUCTION ACCESS: Mud tracking control devices shall be inspected for significant mud accumulation and to ensure the access is not eroding into public rights of way or drainage features. Add additional layers of stone or remove and replace stone each time the stone becomes covered with mud. All sediment dropped or eroded onto public rights of way shall be removed immediately. Sweeping of the public rights or way and/or paved access route shall be performed as necessary to maintain the access route free of sediment and debris.

SEEDING: Newly seeded areas shall be inspected until substantial vegetative growth is obtained. Seeded areas shall be inspected to ensure erosion is not occurring in the seeded area and vegetative growth is promoted. Eroded areas shall be finish graded as necessary to removal erosion channels or gulleys and new seed placed as soon as weather permits.

SILT FENCE: Silt fencing shall be inspected for soil accumulation/clogging, undercutting, overtopping and sagging. Soil accumulation shall be removed from the face of the silt fence each time it reaches half the height of the fence. Removed sediment shall be disposed of in a stable upland site or added to a spoils stockpile. When undercutting occurs, grade out areas of concentrated flow upstream of the silt fence to remove channels and/or gulleys and repair or replace silt fence ensuring proper trenching techniques are utilized. Silt fencing, which sags, falls over or is not staked in shall be repaired or replaced immediately. Silt fencing fabric, which decomposes or becomes ineffective, shall be removed and replaced with new fabric immediately. Silt fencing shall be removed once vegetation is well established and the up-slope area is fully

STOCKPILES: Temporary and permanent topsoil and spoils stockpiles shall be seeded to promote vegetative growth. Stockpiles shall be inspected to ensure excessive erosion has not occurred. When runoff or wind erosion is evident, reduce the side slopes of the stockpile or stabilize the stockpile with pieces of staked sod laid perpendicular to the slope. When filter fencing is used around a stockpile, the fencing shall be inspected to ensure piping has not occurred under the fencing and to ensure the fencing has not collapsed due to soil slippage or access by construction equipment. Repair or replace damaged fencing immediately. Berms at the base of stockpiles, which become damaged, shall be replaced.

STORM STRUCTURE INLET FILTER: Inlet filters shall be inspected for sediment accumulation, clogging and damage. When stone is used in conjunction with inlet filter fabric, replace the stone each time it becomes clogged with sediment. Clean or replace the inlet filter fabric each time it becomes clogged with sediment. Reinstall or replace fallen filter fabrics immediately. Replace damaged filter fabrics immediately.

SOIL EROSION AND SEDIMENTATION CONTROL NOTES:

1. The Soil Erosion and Sedimentation Control Specifications of the appropriate Local, County and/or State Agencies are a part of this work. Refer to the General Notes on the Project Plans for additional requirements.

2. The Soil Erosion and Sedimentation Control (SESC) Permit Holder shall be responsible for compliance with the SESC Permit requirements for the duration of the project and until receipt of final approval from the Permitting Agency. For any site with an earth disturbance area of 1 acre or greater, the SESC Permit Holder shall retain a Certified Storm Water Operator in accordance with the SESC Permit requirements. The Certified Storm Water Operator shall perform routine inspections of the site and the SESC measures and file inspection reports in accordance with the SESC permit requirements. For any site with an earth disturbance area of 5 acres or greater, the SESC Permit Holder shall file a National Pollutant Discharge Elimination System (NPDES) Notice of Coverage Form with the State DEQ prior to any earth disruption.

3. The Contractor shall install the appropriate Soil Erosion Control Measures in accordance with the Project Plans prior to massive earth disruption, including but not limited to; silt fence, mud tracking control mats and sediment filters on existing storm sewer structures. Demolition work may be necessary prior to installation of some soil erosion control measures. In such cases, postpone installation of affected soil erosion control measures until immediately following demolition work. Refer to the Project Plans and the Soil Erosion Control and Construction Sequence for additional requirements.

4. The Contractor shall schedule work so as to minimize the period of time that an area is exposed and disturbed. The Contractor shall observe the grading limits and limits of disturbance in accordance with the Project Plans. The Contractor shall maintain an undisturbed vegetative buffer around the work when shown on the Project Plans.

5. The Contractor shall install and maintain Soil Erosion Control Measures in accordance with the Project Plans during the appropriate phases of construction. The Project Plans show the minimum requirements for Soil Erosion Control Measures. The Contractor shall install additional Soil Erosion Control Measures as necessary due to site conditions and as directed by the Permitting Agency and/or Engineer. The Contractor shall perform routine inspection and maintenance of all Soil Erosion Control Measures to ensure compliance with the permit requirements and proper operation of the Soil Erosion Control Measures.

6. The Contractor shall strip and stockpile topsoil from all areas of proposed disturbance. Topsoil stockpiles shall be located in accordance with the Project Plans. Topsoil stockpiles shall be stabilized with vegetative growth (or matted with straw during the non-growing season) to prevent wind and water erosion. A temporary diversion berm and/or silt fence shall encompass all earthen material stockpiles, including but not limited to topsoil, sand and gravel.

7. The Contractor shall install Soil Erosion Control Measures associated with the proposed storm sewer system during storm sewer construction. Inlet structure filters shall be installed immediately following completion of each storm inlet structure. Riprap shall be installed immediately following the installation of each flared end section with the following exception: Storm drain outlets that do NOT empty into a Retention, Detention or Sedimentation Basin shall have a temporary 5' wide x 10' long x 3' deep sump installed at the termination of the storm sewer. Upon completion of the stabilization work, the sump area shall be filled and riprap shall be installed in accordance with the Project Plans.

8. The Contractor shall install filter stone around the storm basin control structure(s) in accordance with the Project Plans immediately following installation of the control structure(s). The filter stone shall be monitored for sediment build up. The filter stone may need to be cleaned and/or replaced as site conditions require and as directed by the Permitting Agency and/or the Engineer.

9. All disturbed areas outside of paved areas shall be restored within 15 days of finish grading. Proposed vegetative areas shall be restored with a minimum of 3-inches of topsoil, then seeded and mulched, unless noted otherwise on the Project Plans. During the non-growing season, temporary stabilization shall be provided using straw matting or as directed by the Permitting Agency and/or the Engineer.

Seeding, Fertilizer and Mulch Bare Ground Ratio:

This information is provided as minimum guidance for acceptable application rates. Actual amounts depending on soil conditions and site topography shall be detailed on the construction plans.

Top-Soil 3 inches in depth.

Grass Seed 210 lbs. per acre.

Fertilizer 150 lbs. per acre. **Straw Mulch** 3" in depth 1.5 to 2 tons per acre

(All mulch must have a tie down, such as tackifier, net binding, etc.) Hydro-Seeding: Hydro-seeding is not acceptable for slopes exceeding 1%, in such cases; stabilization shall be

done with seed and straw mulch with a tackifier.

10. Following complete site restoration and stabilization; sediment shall be removed from all storm sewer structures, paved areas and storm basins. The SESC Permit Holder shall contact the Permitting Agency to request closure of the SESC Permit. For any site with an earth disturbance area of 5 acres or greater, the SESC Permit Holder shall file a NPDES Notice of Termination Form with the State DEQ.

1. The permit is not for individual building units, It is required that temoprary stabilization of the entire site be completed and approval from the Livingston County Drain Commissioner's office be obtained prior to the issuance of permits for individual building units.

2. Any dewatering required shall have a dewatering plan submitted prior to starting any activity that may require EGLE

3. Construct Retention/Detention and Sedimentation Basins, including associated spillways, in accordance with the project plans. Finish grade, top soil, seed and mulch in Retention/Detention and Sedimentation Basins, tacked and ringed with silt fence prior to massive earth disruption. Install temporary Soil Erosion Control Measures as necessary to stabilize Retention/Detention and Sedimentation Basins.

DISTANCE TO NEAREST WATER = ON-SITE AREA OF DISTURBANCE = 10.10 ac.

accordance with the Soil Erosion and Sedimentation Control Plan and/or as directed by the Engineer and/or the Permitting Agency.

SOIL EROSION CONTROL AND CONSTRUCTION SEQUENCE:

1. Obtain all necessary Soil Erosion and Sedimentation Control related permits from the appropriate Local, County and/or State Agencies. Refer to the General Notes on the project plans for additional requirements

2. Prior to commencement of any earth disruption, install Silt Fence, Tree Protection, Mud Tracking Control Devices, Culvert Sediment Traps on existing culvert inlets and Inlet Sediment Filters at existing storm sewer catch basins in accordance with the Soil Erosion and Sedimentation Control Plan and the Soil Erosion and

3. Inspect and maintain all Soil Erosion Control Measures daily. Maintain all Soil Erosion Control Measures as necessary and as directed by the Engineer and/or the Permitting Agency.

4. Perform demolition and tree clearing work. Install appropriate Soil Erosion Control Measures in accordance with the Soil Erosion and Sedimentation Control Plan and/or as directed by the Engineer and/or the Permitting Agency.

5. Strip and stockpile topsoil. Dispose of excess topsoil offsite. Perform mass grading and land balancing. Install appropriate Soil Erosion Control Measures in

6. Construct building in accordance with the Project Plans. Install appropriate Soil Erosion Control Measures in accordance with the Soil Erosion and Sedimentation

Control Plan and/or as directed by the Engineer and/or the Permitting Agency. 7. Construct underground utilities including sanitary sewer lead, sanitary sewer main, water leads, water main, storm sewer, and conduit for underground public utilities. Install appropriate Soil Erosion Control Measures, including Inlet Sediment Filters on new catch basins and Culvert Sediment Traps on new culverts, in accordance

with the Soil Erosion and Sedimentation Control Plan and/or as directed by the Engineer and/or the Permitting Agency. 8. Install light pole bases and fixtures and underground electric. Install appropriate Soil Erosion Control Measures in accordance with the Soil Erosion and Sedimentation

Control Plan and/or as directed by the Engineer and/or the Permitting Agency. 9. Construct curb & gutter, sidewalk and paved parking and roadway areas. Install appropriate Soil Erosion Control Measures in accordance with the Soil Erosion and Sedimentation Control Plan and/or as directed by the Engineer and/or the Permitting Agency.

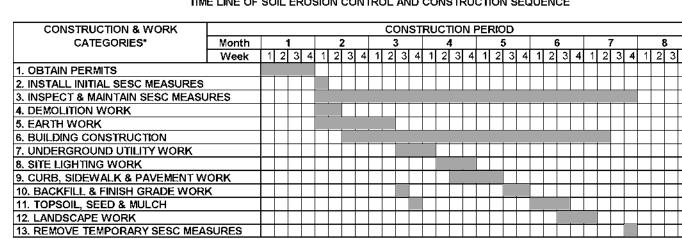
10. Backfill curb and sidewalks and finish grade all disturbed areas outside of pavement areas. Install appropriate Soil Erosion Control Measures in accordance with the Soil Erosion and Sedimentation Control Plan and/or as directed by the Engineer and/or the Permitting Agency. 11. Place sod / topsoil / hydroseed / seed & mulch within 5 days of finish grade for establishment of vegetative ground cover outside of pavement and mulched

landscape bed areas. Install appropriate Soil Erosion Control Measures in accordance with the Soil Erosion and Sedimentation Control Plan and/or as directed by the Engineer and/or the Permitting Agency.

12. Landscape site in accordance with the Project Landscape Plan. Install appropriate Soil Erosion Control Measures in accordance with the Soil Erosion and

13. Following establishment of sufficient vegetative ground cover and receipt of approval from the Permitting Agency, remove all temporary Soil Erosion Control Measures, clean all storm sewer structures, and repair any permanent Soil Erosion Control Measures as directed by the Engineer and/or the Permitting Agency.

TIME LINE OF SOIL EROSION CONTROL AND CONSTRUCTION SEQUENCE



*REFER TO THE MAJOR WORK ITEMS OUTLINED IN THE SOIL EROSION CONTROL AND CONSTRUCTION SEQUENCE NOTES.

Sedimentation Control Plan and/or as directed by the Engineer and/or the Permitting Agency

SOIL FROSION CONTROL LEGEND

<u> </u>		CONTROL LEGEND
1	STRIPPING & STOCKPILING TOPSOIL	TOPSOIL MAY BE STOCKPILED ABOVE BORROW AREAS TO ACT AS A DIVERSION STOCKPILE SHOULD BE TEMPORARILY SEEDED
6	SEEDING WITH MULCH AND/OR MATTING	FACILITATES ESTABLISHMENT OF VEGETATIVE COVER EFFECTIVE FOR DRAINAGEWAYS WITH LOW VELOCITY EASILY PLACED IN SMALL QUANTITIES BY INEXPERIENCED PERSONNEL SHOULD INCLUDE PREPARED TOPSOIL BED
13	RIPRAP, RUBBLE, GABIONS	USED WHERE VEGETATION IS NOT EASILY ESTABLISHED EFFECTIVE FOR HIGH VELOCITIOS OR HIGH CONCENTRATION PERMITS RUNOFF TO INFILTRATE SOIL DISSIPATES ENERGY FLOW AT SYSTEM OUTLETS
14	AGGREGATE COVER	STABILIZES SOIL SURFACE, THUS MINIMIZING EROSION PERMITS CONSTRUCTION TRAFFIC IN ADVERSE WEATHER MAY BE USED AS PART OF PERMANENT BASE CONSTRUCTION OF PAVED AREAS
55	GEOTEXTILE SILT FENCE	USES GEOTEXTILE AND POSTS OR POLES MAY BE CONSTRUCTED OR PREPACKAGED EASY TO CONSTRUCT AND LOCATE AS NECESSARY
58	INLET SEDIMENT FILTER	USES PREPACKAGED GEOTEXTILE SACKS FILTERS SEDIMENT FROM RUNOFF AT CATCH BASIN INLET EASY TO INSTALL AND MAINTAIN
60	INLET FILTER CAGE	PREVENTS SEDIMENT FROM ENTERING STORM SYSTEM AT STRUCTURES USES GEOTEXTILE FABRIC AND PREFABED WIRE CAGE SILT FENCE CAN NOT BE USED

GRAPHIC SCALE

(IN FEET) 1 INCH = 80 FEET

DECIDIOUS TREE

EVERGREEN TREE - WETLAND LINE EDGE OF WATER ○ UTILITY LINE UTILITY POLE GUY ANCHOR EXIST. STORM SEWER CATCHBASIN DRAINAGE MANHOLE FLARED END SECTION EXIST. WATERMAIN HYDRANT WATER VALVE EXIST. SANITARY SEWER SANITARY MANHOLE GAS — U/G GAS LINE

PROP. WATERMAIN PROP. HYDRANT PROP. VALVE IN WELL PROP. FDC - PROP. STORM SEWER PROP. CATCHBASIN PROP. DRAINAGE MANHOLE PROP. FLARED END SECTION --- PROP.. SANITARY SEWER S PROP. SANITARY MANHOLE PROP. CONC. CURB

> BENCHMARK DATUM BASED ON NGS OPUS SOLUTION REPORT, DATED APRIL 17, 2023 AT 9:26AM

BENCHMARK #201 ARROW ON HYDRANT, LOCATED NEAR THE WEST SIDE OF EULER ROAD AND 54± FEET SW'LY OF THE SW'LY PARCEL CORNER. ELEVATION = 980.62 (NAVD 88)

BENCHMARK #203 SPIKE IN THE NE'LY SIDE OF AN UTILITY POLE, LOCATED NEAR THE NORTHERLY PROPERTY LINE AND 240± FEET EAST OF EULER ROAD. ELEVATION = 976.22 (NAVD 88)

BENCHMARK #204 STEAMER ON HYDRANT, LOCATED NEAR THE WESTERLY SIDE OF EULER ROAD AND 18± FEET SW'LY OF CATCH BASIN #3. ELEVATION = 977.94 (NAVD 88)

LEGAL DESCRIPTION SUBSQUENT TO SURVEY Also described as related to the Grid North of State Plane Coordinated System as defined in Michigan Coordinate System Act 9 of 1964, Section

Situated in the Township of Genoa, County of Livingston and State of

5a(c) as follows:

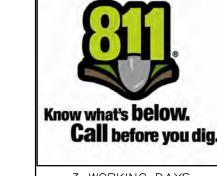
as described as follows: Commencing at the Northwest Corner of Section 13, Town 2 North, Range 5 East, Genoa Township, Livingston County, Michigan; thence N88°06'58"E 1308.19 feet (recorded as N88°12'13"E 1305.90 feet) along the North line of said Section 13 to the nominal centerline of Euler Road (33-foot wide 1/2 Right-of-Way) and the PLACE OF BEGINNING; thence continuing N88°06'58"E (recorded as N88°47'01"E) 1220.41 feet along said North line to a Brass Cap stamped "Livingston Co. Remonumentation Witness" as recorded in L.C.R.C. Document No. 2021CR-0020; thence continuing N88°06'58"E (recorded as N88°47'01"E) 129.89 feet to the North 1/4 Corner (as calculated) of said Section 13, said Corner being under

thence S02°37′00″E (recorded as S01°58′40″E) 129.95 feet (as calculated) along the North-South 1/4 line of said Section 13 to a Brass Cap stamped "Livingston Co. Remonumentation Witness" as recorded in said L.C.R.C.; thence continuing S02°37'00"E (recorded as S01°58'40"E) 330.10 feet along said North-South 1/4 line of said Section 13 to North line of the South 200 feet of the North 1/2 of the Northeast 1/4 of the Northwest 1/4 of said Section 13 as monumented; thence S88°40'22"W 1348.43 feet (recorded as S88°47'01"W 1348.63 feet)

along said North line of the South 200 feet of the North 1/2 of the Northeast 1/4 of the Northwest 1/4 of Section 13 as monumented to said nominal centerline of Euler Road;

thence NO2°53'12"W 446.98 feet (recorded as NO2°30'21"W 460.00 feet) to the Place of Beginning.

Being a part of the Northwest 1/4 of Section 13, Town 2 North, Range 5 East, Genoa Township, Livingston County, Michigan. Containing 14.05 acres of land, more or less (which includes the bottom lands of ponds). Subject to the rights of the public over the Westerly 33 feet thereof as occupied by Euler Road, also subject to and together with all easements and restrictions affecting title to the above described premises.



3 WORKING DAYS BEFORE YOU DIG CALL 811 OR 1-800-482-7171 (TOLL FREE) OR VISIT CALL811.COM



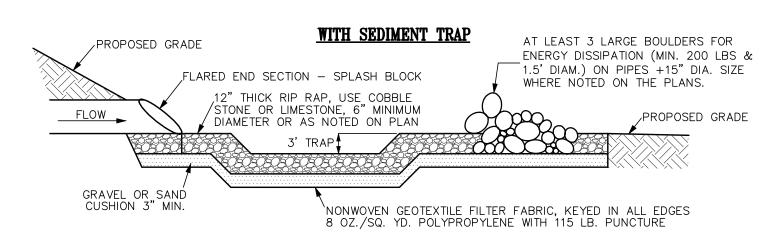
REVISION-DESCRIPTION REVISION-DESCRIPTION REVISION # DATE REVISION # DATE **DESIGN:WMP** DRAFT: JHG CHECK: WMP

2025 EULER ROAD DEVELOPMENT

SOIL EROSION CONTROL PLAN

CLIENT: 4M GENOA LLC 2244 EULER ROAD BRIGHTON, MICHIGAN 48114 810-217-7471

SCALE: 1in. = 80ft. PROJECT No.: 234463 DWG NAME: 4463 SE SSUED: JAN. 26, 2024



13 RIP RAP CROSS SECTION

NOTES:

<u>NOTES</u>

1. GROUT RIP-RAP WITH A 6" THICK CEMENT SLURRY FOR SLOPES STEEPER THAN 20%; 5 ON 1.

- 2. PROVIDE ANIMAL GUARDS ON ALL STORM SEWER 15" DIA. OR GREATER, INCIDENTAL TO FES PIPE.
- 3. STORM DRAIN OUTLETS THAT <u>DO NOT</u> EMPTY INTO THE DETENTION BASIN SHALL HAVE INSTALLED A
- TEMPORARY SEDIMENT TRAP AT THE TERMINATION OF THE STORM SEWER (5'x10'x3' TYP.). UPON COMPLETION OF
- THE STABILIZATION WORK, THE SUMP AREA SHALL BE FILLED AND RIP—RAPPED.

MIN. RIP RAP DIMENSIONS

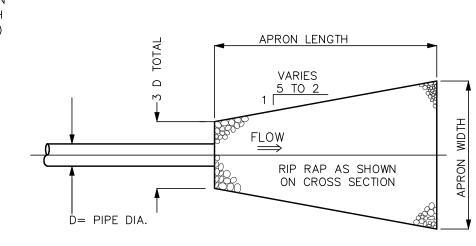
PIPE NAMETE (inch)	APRON R LENGTH (feet)	(1) APRON WIDTH (feet)	(2) ALTERNATE APRON WIDTH (feet)	
12	12	8	16	
15	15	10	20	
18	18	12	24	
21	21	14	28	
24	24	16	32	
30	30	20	40	
36	36	24	48	
42	42	28	56	0
NI ECC	CHOMNI OTHI	EDWICE ON I	OLANC .	

UNLESS SHOWN OTHERWISE ON PLANS. May be varied to match natural features; ie when meeting ex. ditch, apron width to match channel bottom extending up sides to a depth of 1/2 pipe dia.

(2) APRON WIDTH FOR USE IN FLAT AREAS

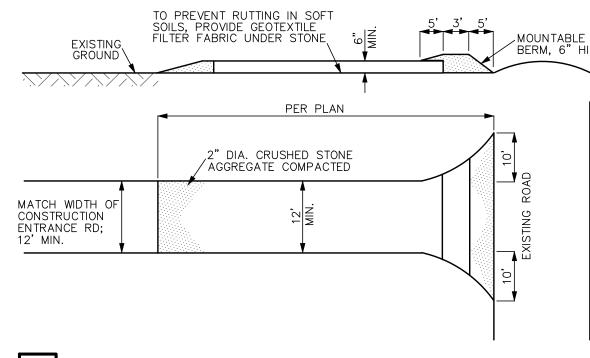
WHERE SHEET FLOW DESIRED

(1) APRON WIDTH FOR USE IN DITCHES



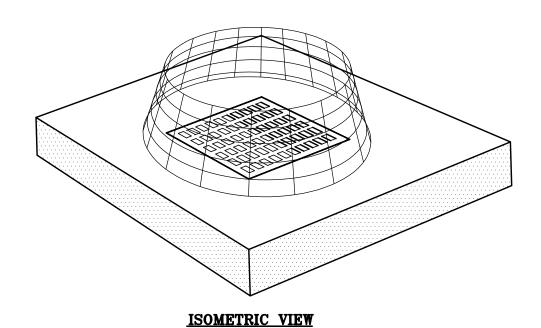
13 RIP RAP PLAN

NOT TO SCALE

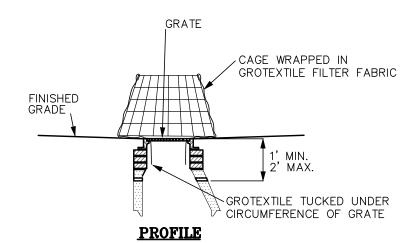


14 MUD TRACKING CONTROL DEVICE

NOTE: When acceptable to engineer, contractor may install stone below the subgrade elevation; thus stone may be left in place below pavement.



54" CAGE FITS SQUARE GRATES FROM 24" X 24" T HROUGH 36" X 36" FITS ROUND GRATES FROM 24" DIA. THROUGH 40" DIA. FITS RECTANGULAR GRATES WITH A DIACONAL BETWEEN 28" AND 41" ($a^2 + b^2 = c^2$)



- INLET PROTECTION SHALL BE INSTALLED AT THE TIME OF THE STRUCTURE IS SET.

 TO INSTALL: TUCK FABRIC UNDER GRATE.
- 2. TO INSTALL: TUCK FABRIC UNDER GRATE.

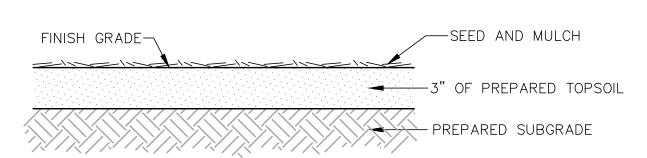
 3. REMOVE SEDIMENT IF IT ACCUMULATES TO ONE HALF THE HEIGHT OF THE CAGE.

 4. THE AREA AROUND THE CAGE SHOULD BE AS FLAT AS POSSIBLE TO INCREASE
- EFFECTIVENESS AND REDUCE MAINTENANCE REQUIREMENTS.

 5. AS WITH ALL INLET PROTECTION DEVICES, CHECK TO SEE HOW DEEP THE WATER COULD PIESE IF THE INLET WERE BLOCKED ENTIRELY.
- COULD RISE IF THE INLET WERE BLOCKED ENTIRELY.

 6. DO NOT INSTALL IN LOCATIONS THAT COULD CAUSE PROPERTY DAMAGE OR POSE A SAFETY HAZARD TO TRAFFIC.

90 YARD INLET FILTER CAGE

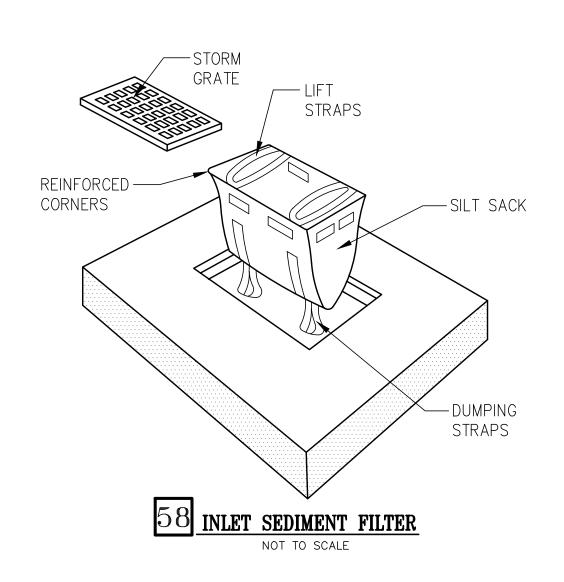


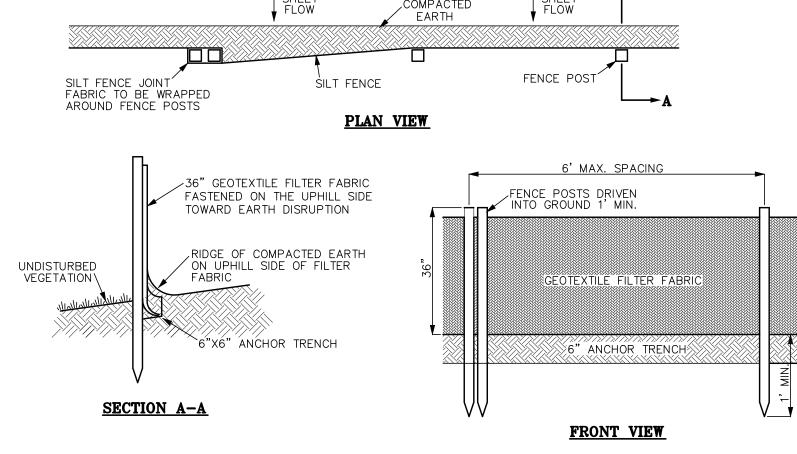
SEEDING DETAIL

- 1. Seed mixture shall consist of 10% Kentucky Blue Grass 20% Perennial Ryegrass 30% Hard Fescue
- 40% Creeping Red Fescue Seed shall be uniformly applied at a rate of 210 pounds per acre.
- peat or muck, subsoil, noxious weeds or other foreign matter such as roots, sticks, rocks over 1/2" in diameter and not frozen or muddy. Material shall meet with approval of the Engineer.
 3. Straw mulching shall be a minimum depth of 3" applied at a rate of

2. Topsoil shall be a dark, organic, natural surface soil free of clay lumps,

- 1.5 to 2 tons per acre. All mulching must have a tie down, such as tackifier, net binding, etc.4. Fertilizer shall be evenly applied at a rate which will provide 150 pounds
- per acre of chemical fertilizer nutrients, in equal portions, (10-10-10), of Nitrogen, Phosphoric Acid and Potash.
- 5. Hydroseeding is not acceptable for slopes exceeding 1%. In such cases, stabilization shall be done with seed and straw mulch with a tackifier.
- 6. The earthen areas to receive topsoil shall be at the required grade and properly trimmed. Topsoil shall be spread on the prepared areas to a depth of 3 inches. After spreading, any large clods and lumps of topsoil shall be broken up and pulverized. Stones and rocks over 1/2" in diameter, roots, litter, and all foreign matter shall be raked up and disposed of by the the contractor. Place topsoil only when it can be followed within a reasonable time by seeding operations.





55 SILT FENCE
NOT TO SCALE

NOTES:

1. REPAIR AND REPLACE SILT FENCE AS NEEDED, INCIDENTAL.

- FIELD LOCATE SILT FENCE TO FOLLOW CONSTANT CONTOUR ELEVATIONS.
 OVERLAP FENCES AT JOINTS.
- 4. INSTALL FILTER BERM AT LOW POINTS WHERE INDICATED ON PLANS.



	REVISION#	DATE	REVISION-DESCRIPTION	REVISION#	DATE	REVISION-DESCRIPTION	
DESIGN:WMP							
DRAFT: JHG							
CHECK: WMP							
51.1 <u>2</u> 51.11.11.11							

2025 EULER ROAD
DEVELOPMENT

SOIL EROSION CONTROL NOTES & DETAILS

CLIENT:	
4M GENOA LLC	
2244 EULER ROAD	
BRIGHTON, MICHIGAN 48114	
810-217-7471	

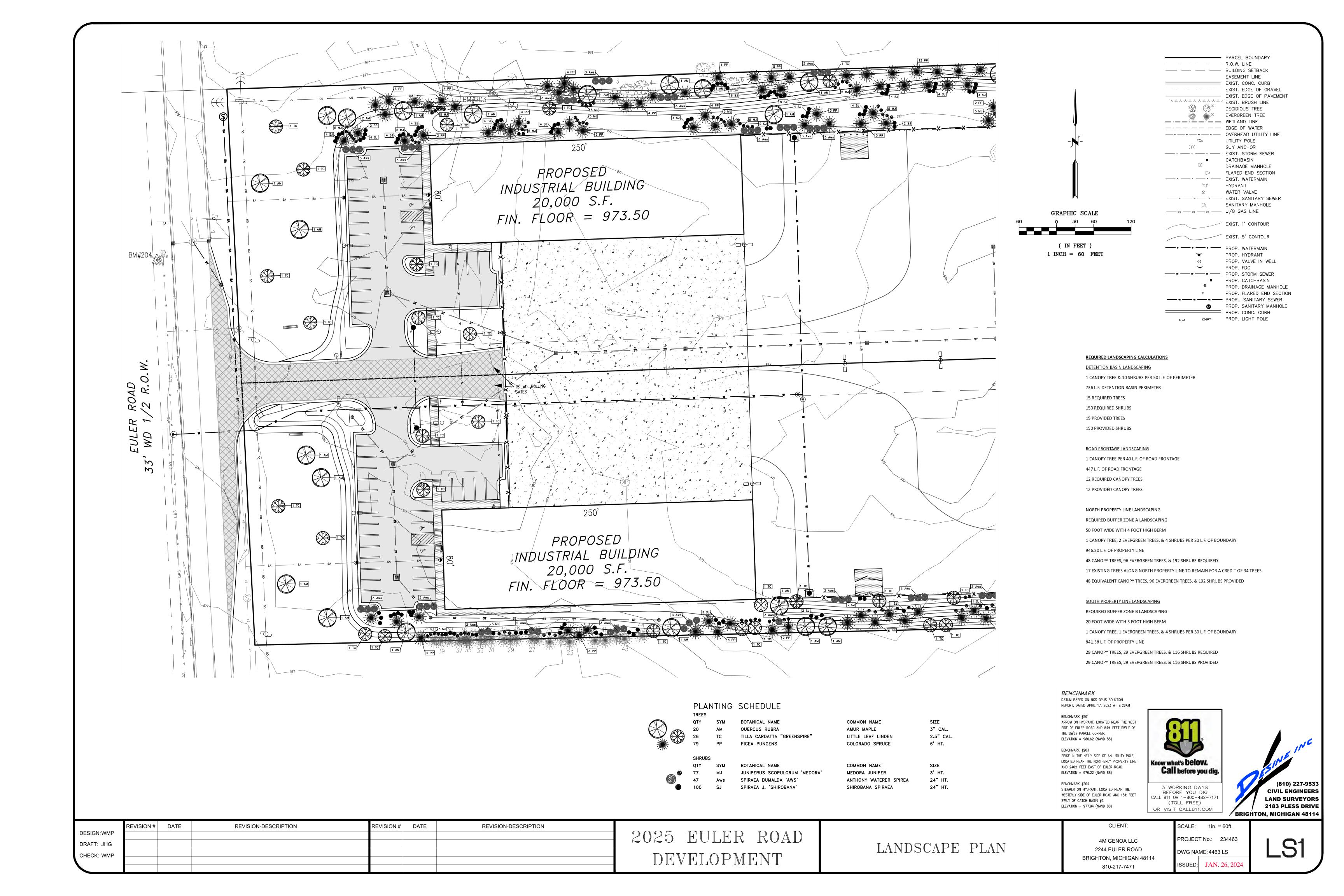
SCALE: AS NOTED

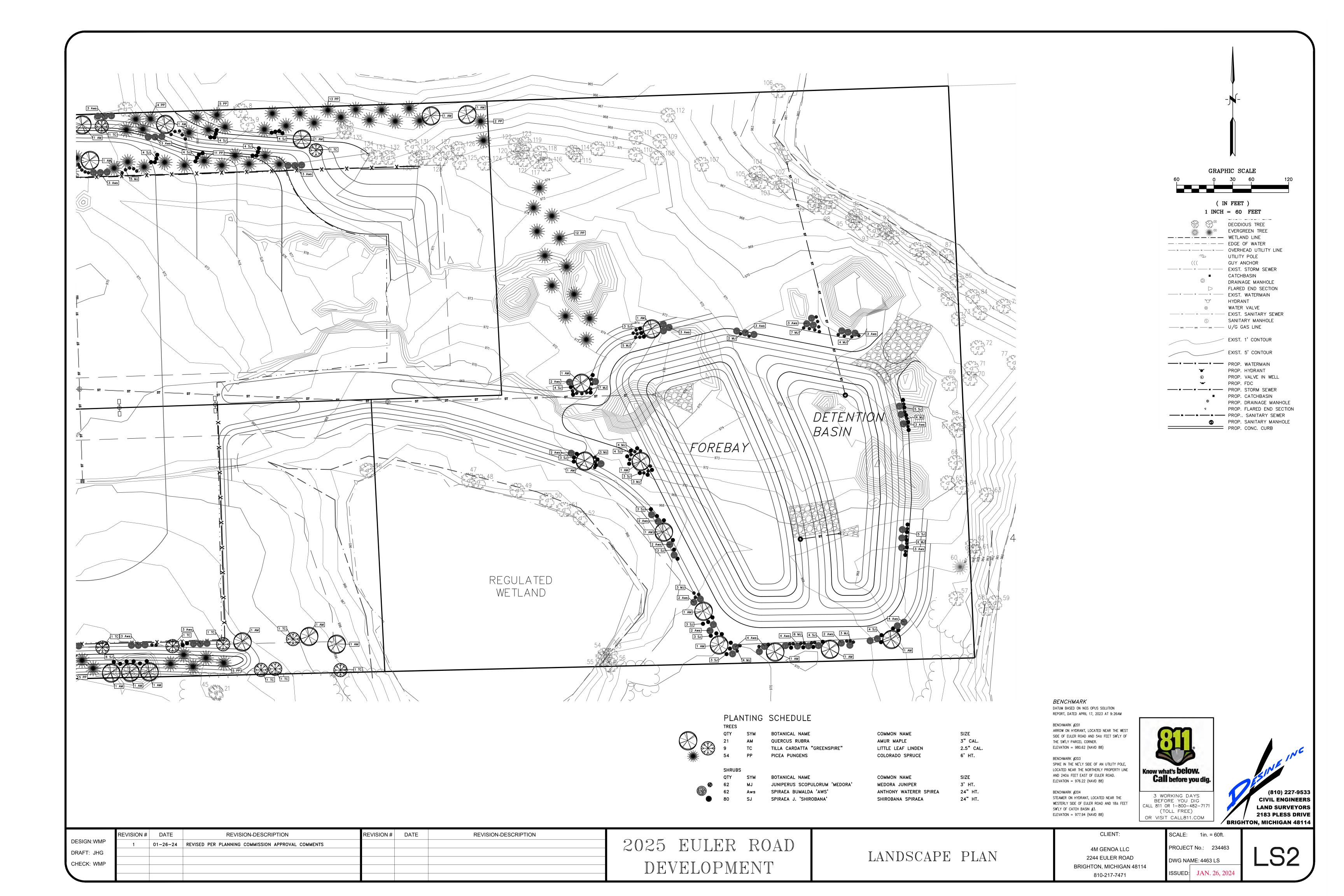
PROJECT No.: 234463

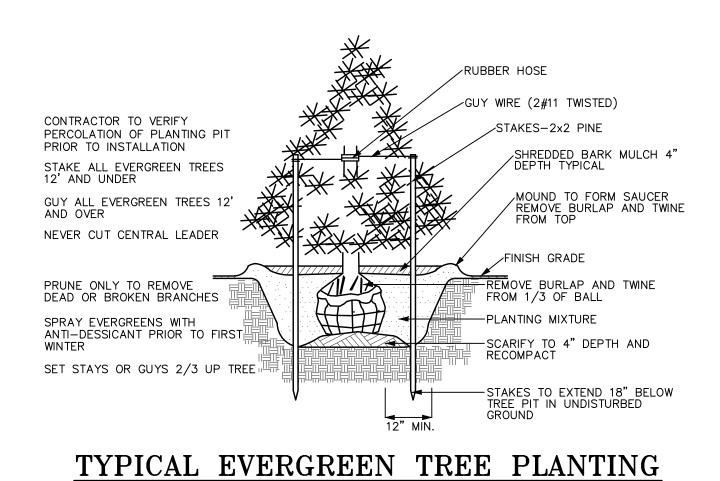
DWG NAME: 4463 SE

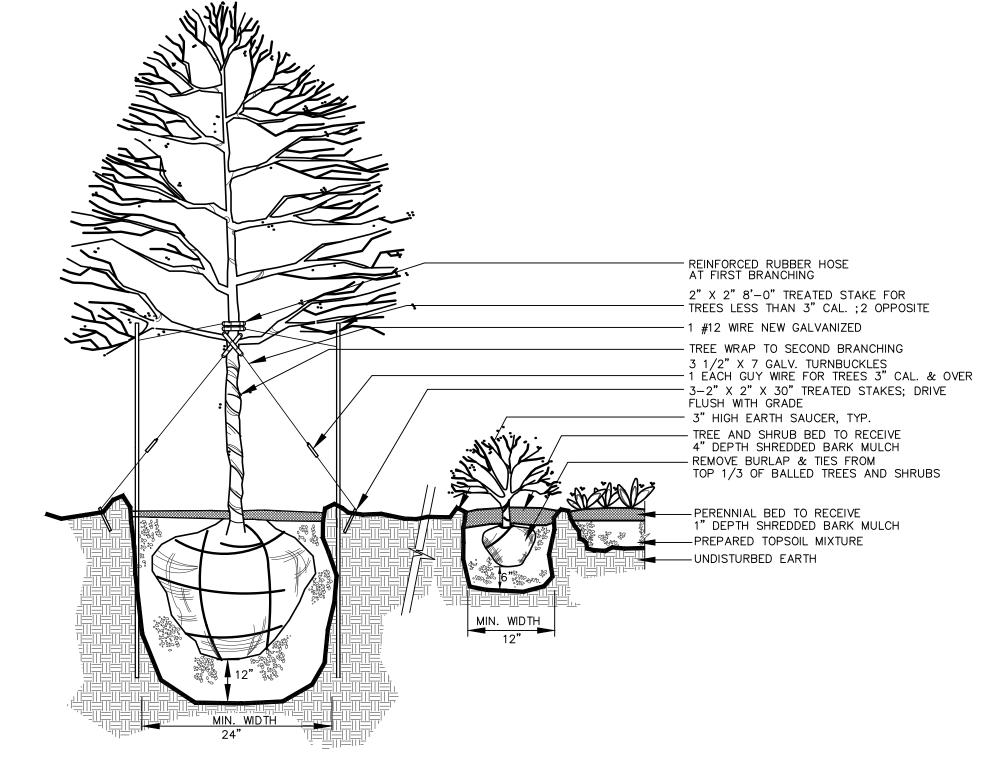
ISSUED: JAN. 26, 2024

SE2

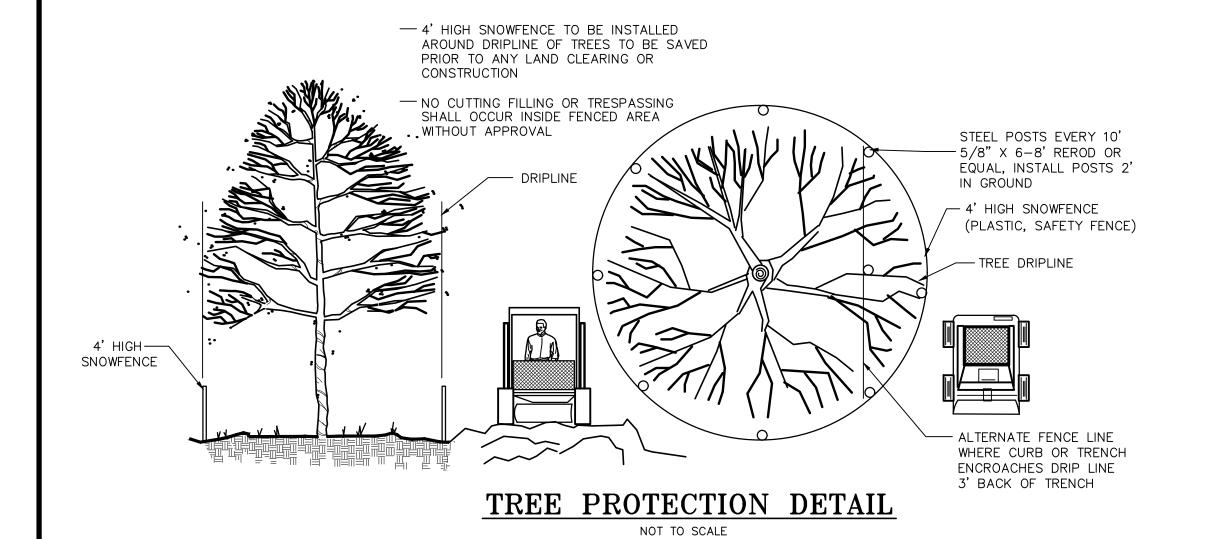








TYPICAL TREE/SHRUB/PERENNIAL PLANTING
NOT TO SCALE



BENCHMARK

DATUM BASED ON NGS OPUS SOLUTION
REPORT, DATED APRIL 17, 2023 AT 9:26AM

GENERAL NOTES:

UNLESS OTHERWISE NOTED.

APPROVED EQUAL.

•ALL PLANTING SIZES SHOWN SHALL BE AT TIME OF PLANTING.

•ALL PLANT MATERIAL SHALL BE FREE OF DISEASE AND INSECTS AND SHALL CONFORM TO THE AMERICAN STANDARD FOR NURSERY

•ALL LANDSCAPING SHALL BE MAINTAINED A HEALTHY CONDITION, ANY DEAD OR DISEASED PLANTINGS SHALL BE REMOVED AND REPLACED WITHIN 1 YEAR.

•ALL PLANT MATERIAL TO BE USED SHALL BE AS SPECIFIED OR

•ALL UNPAVED AREAS AND AREAS NOT OTHERWISE PROPOSED AS A LANDSCAPE BED OR AN AREA TO BE CYPRESS MULCHED

SHALL BE SEEDED TO ESTABLISH A VEGETATIVE LAWN COVER.

UNLESS OTHERWISE SPECIFIED ALL OTHER TREES ARE TO REMAIN.

NOTE: TREES WITH (TBR) ARE TO BE REMOVED,

•ALL LANDSCAPE BEDS TO BE MULCHED WILL HAVE CYPRESS MULCH

STOCK OF THE AMERICAN ASSOCIATION OF NURSERYMEN.

BENCHMARK #201
ARROW ON HYDRANT, LOCATED NEAR THE WEST
SIDE OF EULER ROAD AND 54± FEET SW'LY OF
THE SW'LY PARCEL CORNER.
ELEVATION = 980.62 (NAVD 88)

BENCHMARK #203
SPIKE IN THE NE'LY SIDE OF AN UTILITY POLE,
LOCATED NEAR THE NORTHERLY PROPERTY LINE
AND 240± FEET EAST OF EULER ROAD.
ELEVATION = 976.22 (NAVD 88)

BENCHMARK #204
STEAMER ON HYDRANT, LOCATED NEAR THE
WESTERLY SIDE OF EULER ROAD AND 18± FEET
SW'LY OF CATCH BASIN #3.
ELEVATION = 977.94 (NAVD 88)



3 WORKING DAYS
BEFORE YOU DIG
CALL 811 OR 1-800-482-7171
(TOLL FREE)
OR VISIT CALL811.COM

(810) 227-9533
CIVIL ENGINEERS
LAND SURVEYORS
2183 PLESS DRIVE
BRIGHTON, MICHIGAN 48114

	REVISION#	DATE	REVISION-DESCRIPTION	REVISION#	DATE	REVISION-DESCRIPTION			
DESIGN:WMP							2025	RIIIRR	ROAD
DRAFT: JHG									
CHECK: WMP									

LANDSCAPE NOTES & DETAILS CLIENT:

4M GENOA LLC

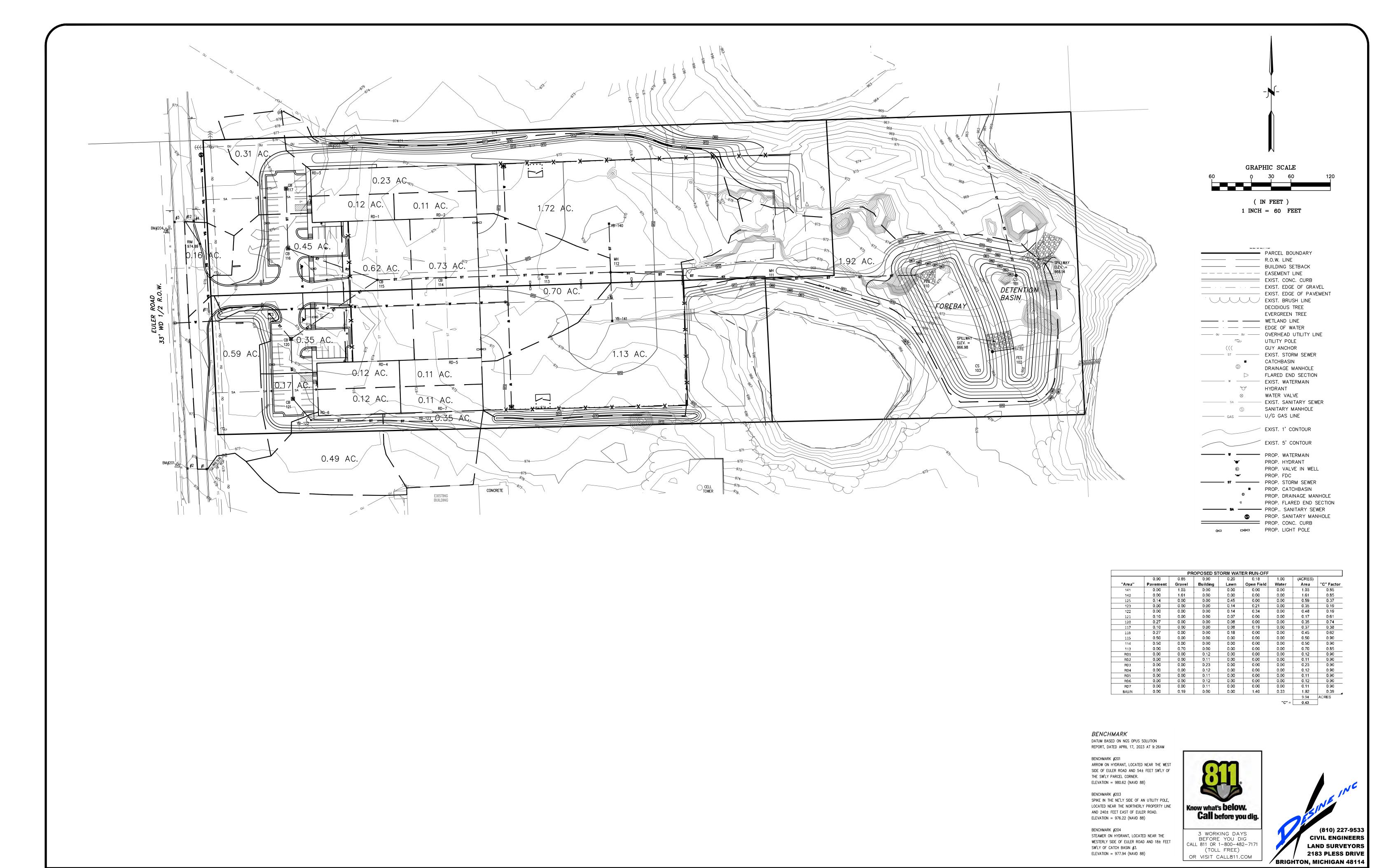
2244 EULER ROAD

BRIGHTON, MICHIGAN 48114

810-217-7471

SCALE: AS BNOTED
PROJECT No.: 234463
DWG NAME: 4463 LS
ISSUED: JAN. 26, 2024

LS3



REVISION # DATE REVISION-DESCRIPTION

DESIGN:WMP
DRAFT: JHG
CHECK: WMP

The provided revision between the provided revision description and the provided revision between the provided revision description and the provided revision description description and the provided revision description description and the provided revision description descriptio

WATERSHED PLAN

CLIENT:

4M GENOA LLC

2244 EULER ROAD

BRIGHTON, MICHIGAN 48114

810-217-7471

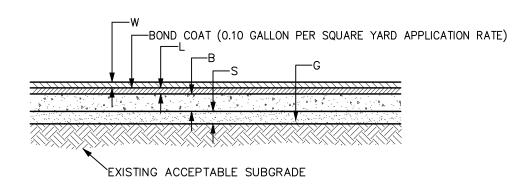
SCALE: 1in. = 60ft.

PROJECT No.: 234463

DWG NAME: 4463 WS

ISSUED: JAN. 26, 2024

WS

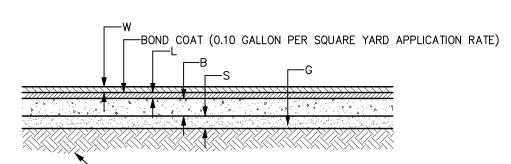


STANDARD DUTY BITUMINOUS PAVEMENT CROSS SECTION

KEY	DESCRIPTION	MATERIAL SPECIFICATION	MINIMUM COMPACTED THICKNESS
W	WEARING COURSE	MDOT 36A	1.5"
L	LEVELING COURSE	MDOT 13A	1.5"
В	AGGREGATE BASE	MDOT 21AA	8"
S	GRANULAR SUBBASE	MDOT CLASS II	6"
G	GEOGRID	N/A	N/A

BITUMINOUS PAVEMENT NOTES:

- 1. The construction specifications of the appropriate Local Municipality are a part of this work. Refer to the General Notes, Road and/or Parking Lot Construction Notes and Typical Road and/or Pavement Cross Section details on the project plans for additional requirements.
- 2. Unsuitable soils found within the 1 on 1 influence zone of the pavement, such as muck, peat, topsoil, marl, silt or other unstable materials shall be excavated and replaced up to the proposed subgrade elevation with MDOT Class III granular material compacted to 95% maximum unit weight, modified proctor.
- 3. Contractor shall proof roll prepared subgrade as directed by Engineer. Unacceptable areas of subgrade shall be undercut and replaced as directed by Engineer.

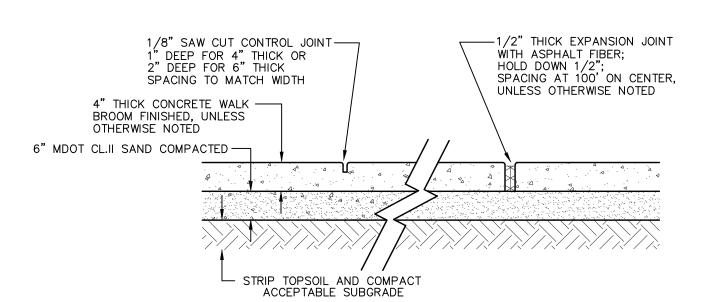


EXISTING ACCEPTABLE SUBGRADE

HEAVY DUTY BITUMINOUS PAVEMENT CROSS SECTION

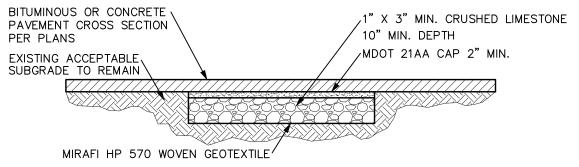
		NOT TO SOMEE	
KEY	DESCRIPTION	MATERIAL SPECIFICATION	MINIMUM COMPACTED THICKNESS
W	WEARING COURSE	MDOT 5E3	1.5"
L	LEVELING COURSE	MDOT 4E3	2"
LB	LEVELING BASE COURSE	MDOT 3E3	3"
В	AGGREGATE BASE	MDOT 22A	7"
S	GRANULAR SUBBASE	MDOT CLASS II	6"
G	GEOGRID	N/A	N/A

NOTE: MATCHES LIVINGSTON COUNTY ROAD COMMISSION REQUIREMENTS FOR ROAD BITUMINOUS PAVEMENT CROSS SECTION.



SIDEWALK CROSS SECTION NOT TO SCALE

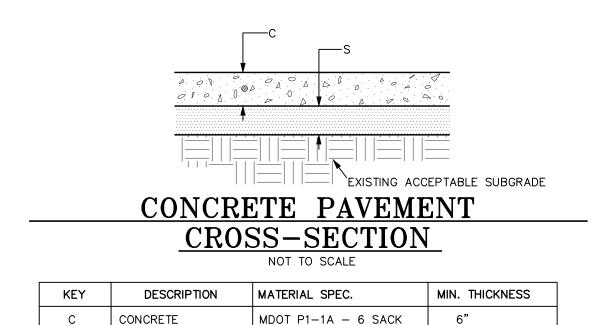
NOTES:
1. SEE PLAN FOR WIDTH OF SIDEWALK.
2. PROVIDE CONCRETE TYPE PER LOCAL CODE.
(3500 PSI AIR ENTRAINED)



SUBGRADE UNDERCUT AND REPLACEMENT CROSS-SECTION

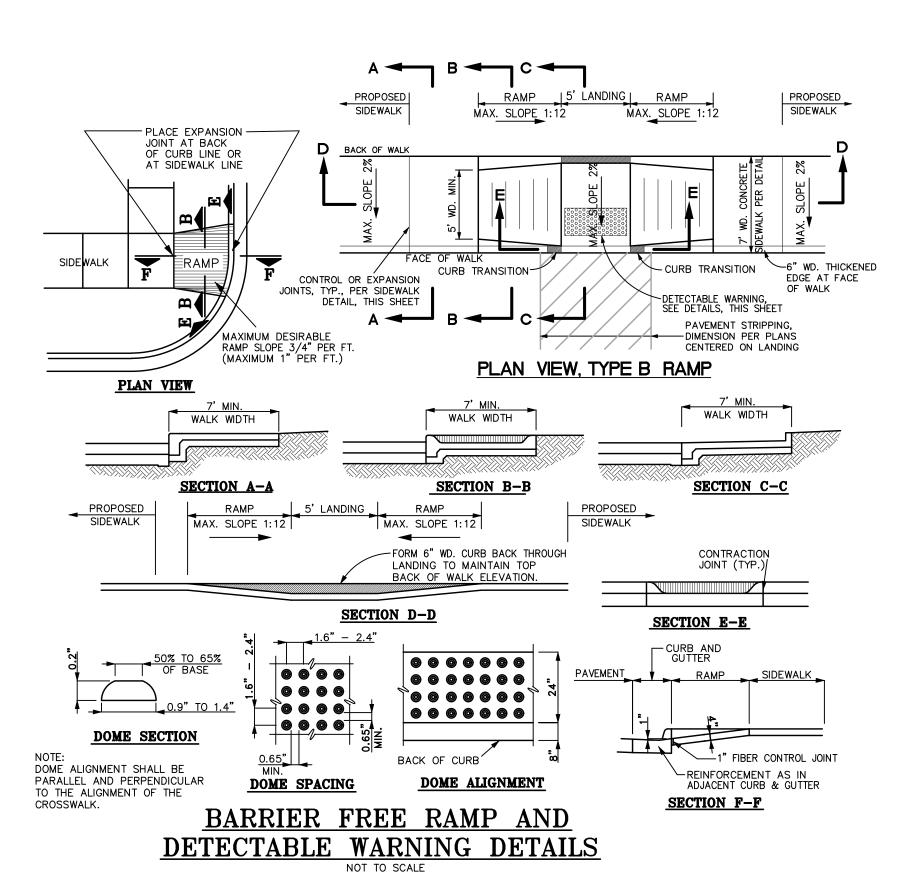
PAVEMENT SUBGRADE UNDERCUT NOTES:

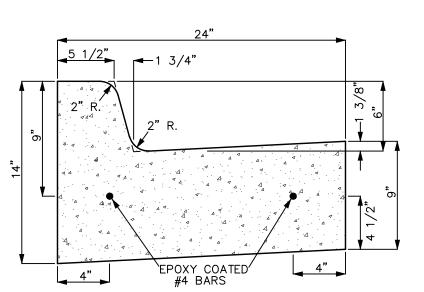
- 1. Areas of pavement subgrade that do not pass a proof roll inspection shall be undercut when directed by the Material Testing Engineer and/or Project Engineer. All undercut work shall be witnessed and field measured by the Material Testing Engineer and/or Project Engineer. Copies of the field notes depicting the field measurements of the undercut areas shall be provided to the General Contractor and/or Earthwork Subcontractor and Owner.
- 2. Undercut areas shall be excavated to a depth of 12" below the proposed subgrade elevation using an Excavator or Backhoe with a Smooth Edged Ditching Bucket so as not to scarify the underlying soils. Undercut areas shall remain free of all construction traffic and equipment to avoid rutting and/or tracking of the underlying soils.
- 3. Mirafi HP 570 Woven Geotextile Fabric (or approved equal) shall be placed over all undercut areas per the Manufacturer's specifications. Overlap all seams a minimum of 12" unless specified otherwise by the Manufacturer.
- 4. Backfill the undercut areas with 1" x 3" minimum size crushed angular limestone and cap with 21AA crushed angular limestone up to the proposed subgrade elevation. Crushed concrete material shall NOT be substituted for crushed limestone material. The backfill material shall be spread with a Wide Track Dozer to minimize loading on the underlying soils. Static roll the backfill material with a large smooth drum roller.
- 5. Construct the appropriate Bituminous or Concrete Pavement Cross Section over the undercut areas per the Project Plans.



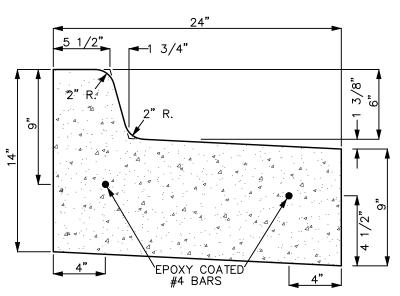
6"

GRANULAR SUBBASE | MDOT CLASS II





MDOT TYPE F4 CURB



MDOT TYPE F4 CURB REVERSE PITCH NOT TO SCALE

CONCRETE CURB NOTES:

- 1. Refer to the project plans for the proposed locations of the specific curb types.
- 2. The construction specifications of the appropriate Local Municipality are a part of this work. Refer to the General Notes and Curb Cross Section Details on the project plans for additional requirements.
- 3. Extend the base and/or subbase material of the appropriate adjacent pavement cross-section horizontally to 1 foot behind the back of curb. Concrete curb shall be constructed on no less than 6" of combined depth of compacted base/subbase material.
- 4. Concrete material shall meet or exceed the specification requirements of the appropriate Local Municipality. If not specified by the Local Municipality, then the concrete material shall be MDOT P1 (I-A) 6.0 sack concrete pavement mixture with a minimum 28 day design compressive strength of 4,000 PSI and 6.5% (+/-1.5%) entrained air. Contractor shall submit concrete mix design and aggregate mechanical analysis report to the Local Municipality and Engineer for review and approval prior to use.
- 5. Install transverse contraction control joints in accordance with the Local Municipality requirements. If not specified by the Local Municipality, then install transverse contraction control joints in curb with 1" minimum depth at 10' on center. Tool joints in fresh concrete or saw cut within 8 hours.
- 6. Install transverse expansion control joints in accordance with the Local Municipality requirements. If not specified by the Local Municipality, then install transverse expansion control joints in curb as follows: 400' maximum on center, at spring points of intersecting streets and within 10' on each side of catch basins. Transverse expansion control joints shall be 1" thick asphalt fiber joint filler matching entire curb cross section.
- 7. Provide 1" asphalt fiber control joint between back of curb and all other concrete structures, such as concrete sidewalks and concrete driveways.
- 8. Curb Contractor shall provide final adjustment of catch basin castings in curb line. Castings shall be tuck pointed to structure water tight with concrete or mortar inside and outside of casting.
- 9. Install curb cuts for all existing and proposed sidewalks and pedestrian ramps in accordance with the American Disabilities Act and the Barrier Free Design requirements of the appropriate Local, County and/or State Agency. Refer to MDOT Standard Plan R-28, latest revision. Install curb cuts for all existing and proposed vehicular ramps and drives as noted on the project plans.

GENERAL NOTES:

- 1. Contractor shall perform the work in accordance with the requirements of the appropriate Local, County and State Agencies and all other Government and Regulatory Agencies with jurisdiction over the project. Contractor shall notify the appropriate Agencies in advance of each stage of work in accordance with each Agency's requirements.
- 2. Contractor shall comply with all permit, insurance, licensing and inspection requirements associated with the work. Prior to construction, Contractor and Owner/Developer shall determine who is responsible for obtaining each required permit. Contractor shall verify that the each required permit has been obtained prior to commencement of the stage of work associated with the required permit(s).
- 3. Contractor shall furnish liability insurance and property damage insurance to save harmless the Owner, Developer, Architect, Engineer, Surveyor and Government Agencies for any accident occurring during the construction period. Refer to the appropriate Local, County and State Agencies for additional requirements. Copies of insurance certifications shall be made available to the Owner/Developer.
- 4. Contractor shall conduct and perform work in a safe and competent manner. Contractor shall perform all necessary measures to provide for traffic and pedestrian safety from the start of work and through substantial completion. Contractor shall determine procedures and provide safety equipment such as traffic controls, warning devices, temporary pavement markings and signs as needed. Contractor shall comply with the safety standards of the State Department of Labor, the occupational health standards of the State Department of Health and safety regulations of the appropriate Local, County, State and Federal Agencies. Refer to the safety specifications of the appropriate Regulatory Agencies. The Contractor shall designate a qualified employee with complete job site authority over the work and safety precautions; said designated employee shall be on site at all times during the work.
- 5. Contractor shall coordinate scheduling of all work in the proper sequence, including work by Subcontractors. Additional costs due to improper planning by Contractor or work done out of sequence as determined by standard acceptable construction practices, shall be Contractor's responsibility.
- 6. Contractor shall contact the 811 Underground Public Utility Locating System or other appropriate local underground utility locating Agency, a minimum of three (3) working days prior to construction. Existing utility information on the project plans may be from information disclosed to this firm by the Utility Companies, Local, County or State Agencies, and/or various other sources. No guarantee is given as to the completeness or accuracy thereof. Prior to construction, locations and depths of all existing utilities (in possible conflict with the proposed improvements) shall be verified in the field.
- 7. Contractor shall coordinate scheduling a Pre-Construction Meeting with Engineer prior to commencement of work.
- 8. The Local Municipality, County and/or State in which the project is located may require an Engineer's Certification of construction of the proposed site improvements. Contractor shall verify the certification requirements with Engineer prior to commencement of work. Contractor shall coordinate construction staking, testing, documentation submittal and observation with the appropriate Agency, Surveyor and/or Engineer as required for Engineer's Certification and Government Agency Acceptance. All materials used and work done shall meet or exceed the requirements of certification and acceptance, the contract documents and the material specifications noted on the project plans. Any materials used or work done that does not meet said requirements, contract documents and/or specifications shall be replaced and/or redone at Contractor's expense. The Owner/Developer may wait for test results, certifications and/or Agency reviews prior to accepting work.
- 9. Engineer may provide subsurface soil evaluation results, if available, to Contractor upon request. Subsurface soil evaluation results, soils maps and/or any other documentation does NOT guarantee existing soil conditions or that sufficient, acceptable on-site granular material is available for use as structural fill, pipe bedding, pipe backfill, road subbase or use as any other granular material specified on the project plans. On-site granular material that meets or exceeds the material specifications noted on the project plans may be used as structural fill, pipe bedding, pipe backfill and/or road subbase material. On-site granular material shall be stockpiled and tested as acceptable to the appropriate Agency and/or Engineer prior to use.
- 10. During the performance of their work, Contractor shall be solely responsible for determining soil conditions and appropriate construction methods based on the actual field conditions. Contractor shall furnish, install and maintain sheeting, shoring, bracing and/or other tools and equipment and/or construction techniques as needed for the safety and protection of the workers, pedestrians and vehicular traffic and for protection of adjacent structures and site improvements.
- 11. Contractor shall install temporary and permanent soil erosion and sedimentation control devices at the appropriate stages of construction in accordance with the appropriate regulatory Agencies. Refer to Soil Erosion and Sedimentation Control Plans and Notes on the project plans.
- 12. Structural fill shall be placed as specified on the project plans and within the 1 on 1 influence zone of all structures, paved areas and other areas subject to vehicular traffic. Structural fill shall be placed using the controlled density method (12" maximum lifts, compacted to 95% maximum unit weight, modified proctor). Fill material shall meet or exceed the specifications noted on the project plans or as directed by Engineer when not specified on the project plans.
- 13. All existing monuments, property corners, ground control and benchmarks shall be protected and preserved; and if disturbed by Contractor, shall be restored at Contractor's expense. Contractor shall notify Surveyor of any conflicts between existing monuments, property corners, ground control and/or benchmarks and the proposed site improvements.
- 14. Contractor shall notify Owner/Developer and Engineer immediately upon encountering any field conditions, which are inconsistent with the project plans and/or specifications.
- 15. When noted on the project plans for demolition and/or removal, Contractor shall remove existing structures, building and debris and recycle and/or dispose of in accordance with Local, County, State and Federal regulations.
- 16. Contractor shall remove excess construction materials and debris from site and perform restoration in accordance with the project plans and specifications. Disposing of excess materials and debris shall be performed in accordance with Local, County, State and Federal regulations.
- 17. Construction access to the site shall be located as acceptable to the Owner/Developer and to the appropriate Local, County and/or State Agency with jurisdiction over the road(s) providing access to the site. Construction access shall be maintained and cleaned in accordance with the appropriate Local, County and/or State Agencies and as directed by Owner/Developer and/or Engineer.
- 18. Contractor shall take necessary precautions to protect all site improvements from heavy equipment and construction procedures. Damage resulting from Contractor actions shall be repaired at Contractor's expense.

DESIGN: WMP
DESIGN: WMP
The provided revision and the provided revision description

REVISION # DATE REVISION-DESCRIPTION

2025 EULER ROAD DEVELOPMENT

SITE & PAVEMENT NOTES AND DETAILS CLIENT:

4M GENOA

2244 EULER ROAD

BRIGHTON, MICHIGAN 48114

810-217-7471

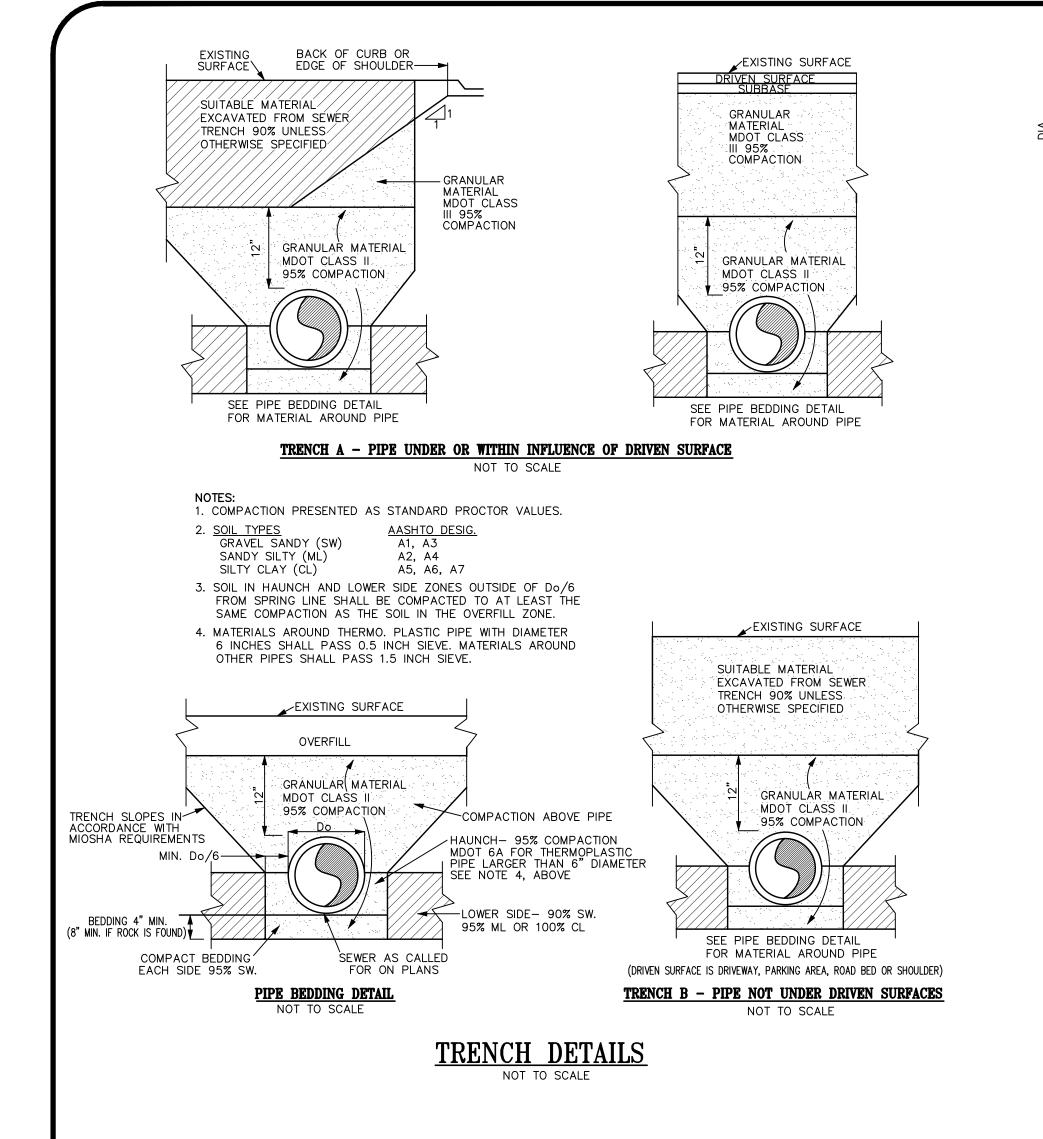
SCALE: N/A

PROJECT No.: 234463

DWG NAME: 4463 DT

ISSUED: JAN. 26, 2024





SECTION B-B

SECTION A-A

STORM STRUCTURE "A'

STANDARD CATCH BASIN

1. FURNISH LARGER STRUCTURE DIAMETER AS NEEDED TO

2. FURNISH LOW PROFILE STRUCTURE ONLY WHEN NECESSARY

MAINTAIN 6" MIN CLEAR BETWEEN PIPE OPENINGS

TO MAINTAIN PROPER CLEARANCE ABOVE PIPES.

PIPE SIZE MIN. CATCH BASIN DIA

FRAME AND COVER PERSCHEDULE, FRAME SET

STEPS AT 16" MAX. O.C.-

ABOVE FLOOR

E.J.I.W. #8500 OR EQUAL, BOTTOM STEP 2'-0" MAX.

STEPS 16" MAX. ON CENTER— EJIW # 8500 OR EQUAL, BOTTOM STEP 2' MAX.

> SEAL ALL JOINTS -WATERTIGHT WITH

6" DIA. PERFORATED HDPE W/ FILTER SOCK 4' LONG

(MIN. 2 PER STRUCTURE)

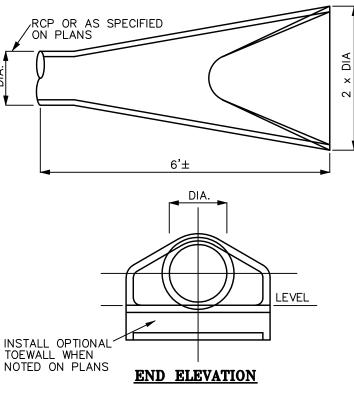
REINFORCED PRECAST CONCRETE BASE, 3500 PSI OR PRECAST SUMP

COMPACTED CLASS II-BEDDING MATERIAL

12"-24" 4'-0" MIN.

42"-48" 6'-0" MIN.

(SEE NOTE 1)

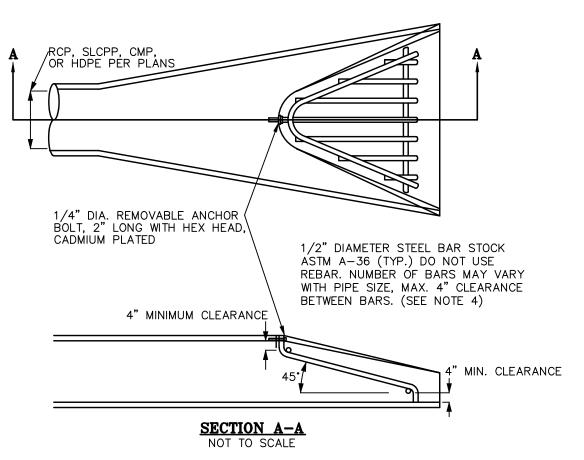


FLARED END SECTION

1. RCP FLARED END SECTION SHOWN, PROVIDE SIMILAR FLARED END SECTION FOR CMP, SLCPP OR HDPE PIPE.

 PROVIDE RIP-RAP PER RIP-RAP DETAILS FOR ALL OUTLET FLARED END SECTIONS.
 INSTALL FLARED END SECTION WTIH INVERT ELEVATION

ELEVATION LEVEL AS VIEWED FROM END.



ANIMAL GUARD

1. ANIMAL GUARD REQUIRED ON ALL FLARED END SECTIONS OF 15" DIAMETER PIPE OR GREATER.

- 2. CONTRACTOR MAY SUBSTITUTE ALTERNATE GRATING LAYOUT AS APPROVED BY OWNER/ENGINEER/AGENCY PRIOR TO INSTALLATION.
- 3. DETAIL SHOWN FOR RCP FLARED END SECTION. PROVIDE SIMILIAR ANIMAL
- GUARD FOR FLARED END SECTIONS ON CMP, HDPE, AND SLCPP.
- 4. WELD ALL CONNECTIONS FULL STRENGTH PER AMERICAN WELDING SOCIETY STANDARDS.

STORM SEWER NOTES:

- 1. The storm sewer and stormwater management specifications of the Local Municipality are a part of this work. Refer to the General Notes on the project plans for additional requirements.
- 2. Storm sewer work shall include clearing of vegetation and tree stumps, stripping and stockpiling of topsoil for reuse, excavation of pipe trench, placement of pipe bedding, placement of pipe and structures including castings, connection to existing structures, tuck pointing of structures, backfill of pipe trench, compaction of backfill, finish grading to provide positive drainage to structures, adjustment of castings to match finish grade, topsoil placement, seed & mulch, site cleanup and restoration, and other work as shown on the project plans and specifications.
- 3. Existing and proposed grades shown in profile view, when provided on the project plans, may be in relation to the centerline of road or item other than the centerline of pipe. The pipe lengths and grades shown in profile view on the project plans may not be to scale.
- 4. RCP when shown on the project plans shall be reinforced concrete pipe and shall conform to the specifications for reinforced concrete pipe per ASTM C76. RCP pipe joints shall be bell-and-spigot with rubber gaskets conforming to ASTM C433. Non-gasketed joints shall only be utilized when authorized by the Owner, Engineer AND Municipality. Non-gasketed joints of pipe having a diameter of 30 inches or greater shall be tuck-pointed on the inside with cement mortar after the backfill process is complete. Install reinforced concrete end sections incidental to work. Saw cut pipes to length as needed. When pipe class is not shown on the project plans, provide the following: Pipe cover to proposed grade:

 0 to 4 feet

 Class V

4.1 to 10 feet Class III*
10.1 to 18 feet Class IV
18.1 feet and greater Class V

* Use Class IV under paved surfaces

- 5. CMP when shown on the project plans shall be corrugated metal pipe and shall conform to the specifications for corrugated metal pipe per AASHTO Designation M36. CMP shall be 16-guage steel minimum for 24 inch diameter or smaller and 14-guage steel minimum for 30 inch diameter or greater. Install galvanized steel end sections and connection bands, incidental to work. Connection bands for CMP pipe joints located under paved surfaces shall be gasketed couplers. Saw cut pipes to length as needed.
- 6. HDPE Type S when shown on the project plans shall be high density polyethylene pipe with a smooth interior and shall conform to the specifications for high density polyethylene pipe per AASHTO Designation M252 Type S for pipes of 3" to 10" diameter and per AASHTO Designation M294 Type S for pipes of 12" to 60" diameter. HDPE Type S pipe joints shall be bell-and-spigot type conforming to ASTM D3212 with rubber gaskets conforming to ASTM F477. Tamp backfill at spring line of HDPE Type S pipe. Install high density polyethylene end sections incidental to work. Saw cut pipes to length as needed.
- 7. HDPE Type C when shown on the project plans shall be high density polyethylene pipe with a corrugated interior and shall conform to the specifications for high density polyethylene pipe per AASHTO Designation M252 for pipes of 3" to 10" diameter and per AASHTO Designation M294 for pipes of 12" to 60" diameter. HDPE Type C pipe joints shall be bell-and-spigot type conforming to ASTM D3212 with rubber gaskets conforming to ASTM F477. Tamp backfill at spring line of HDPE Type C pipe. Install high density polyethylene end sections incidental to work. Saw cut pipes to length as needed.
- 8. CPVC when shown on the project plans shall be corrugated polyvinyl chloride pipe and shall conform to the specifications for corrugated polyvinyl chloride pipe per ASTM F794 and F949. CPVC pipe joints shall be bell-and-spigot type conforming to ASTM D3212 with rubber gaskets conforming to ASTM F477. Tamp backfill at spring line of CPVC pipe. Install high density polyethylene end sections incidental to work. Saw cut pipes to length as needed.
- 9. PVC when shown on the project plans shall be polyvinyl chloride pipe and shall conform to the specifications for polyvinyl chloride pipe per ASTM D2751, maximum SDR of 26. PVC pipe joints shall be bell-and-spigot type conforming to ASTM D3212 with rubber gaskets conforming to ASTM F477 or solvent welded type conforming to ASTM D2564. Tamp backfill at spring line of PVC pipe. Saw cut pipes to length as needed.
- 10. Concrete storm structures shall be pre-cast and shall conform to the specification of pre-cast concrete structures per ASTM C478. Joints of concrete storm structure sections shall be bell-and-spigot with rubber gaskets conforming to ASTM C433. Brick, concrete block or cast in place storm structures may be substituted for pre-cast storm structures ONLY when authorized by the Owner, Engineer AND Municipality; refer to MDOT standard plan R-1, latest revision. Pipe openings in pre-cast structures shall be factory installed. All temporary openings in storm structures shall be tuck-pointed watertight with cement mortar. Refer to MDOT standard plan R-2, latest revision, for alternate on-line storm structure details when pipe exceeds 42 inch diameter.
- 11. Tap existing structures as acceptable to the Engineer and Municipality, incidental to work. All temporary openings in storm structures shall be tuck-pointed watertight with cement mortar.
- 12. Backfill all storm sewer in accordance with the Pipe Trench details provided on the project plans. Provide pipe bedding that meets or exceeds both the specifications of the Pipe Trench details on the project plans and the recommendation of the pipe manufacturer, incidental to work.
- 13. When edge drains and/or under drains are shown on the project plans, connection to storm structures is incidental to work. During storm sewer construction, install first 10 linear feet of edge drain and/or under drain from the storm structures in each specified direction and install temporary cap at end. Complete installation of edge drain following preparation of the subgrade when under paved surface or following finish grade when not under paved surface.
- 14. Install removable plugs in storm sewer stubs as acceptable to Engineer and Municipality, incidental to work. Mark the end of all storm sewer stubs with a 2" x 4" wooden stake extending a minimum of 12" above finish grade, incidental to work.
- 15. Storm structure castings shall be coated with water based asphaltic paint by the manufacturer. Seams and temporary openings between storm structures and castings shall be tuck-pointed water tight with cement mortar. Coordinate correct curb box / hood / "T" back as needed to match curb profile. See casting schedule on project plans for additional requirements.
- 16. Provide 3.5' minimum cover from the top of pipe of all roof drain pipes to the proposed finish grade when site conditions allow. When pipe cover is less than 3.5', install 2" thick by 24" wide Styrofoam insulation centered over the top of pipe at 12" above top of pipe or as required by the Local Municipality.





FRAME & COVER PER SCHEDULE,

GRADE RINGS OR BRICK—
COURSES, 1 MIN., 3 MAX.

6" DIA. PERFORATED HDPE

W/ FILTER SOCK 4' LONG
(MIN. 2 PER STRUCTURE)

PRECAST CONCRETE—
STRUCTURE

8" MIN. (6" MIN. FOR PRECAST STRUCTURE)

PRECAST STRUCTURE)

4" MIN.

COMPACTED CLASS II
BEDDING MATERIAL

STORM STRUCTURE "C"

2' DIAMETER CATCH BASIN

STORM STRUCTURE "B" STANDARD MANHOLE

SECTION A-A

SECTION B-B

-RIM ELEVATION

-BOTTOM CONE

(SEE NOTE 2)

5" MIN.

IE= INVERT ELEVATION

- NOTES:
 1. FURNISH LARGER STRUCTURE DIAMETER AS NEEDED TO
 MAINTAIN 6" MIN CLEAR BETWEEN PIPE OPENINGS.
- 2. FURNISH LOW PROFILE STRUCTURE ONLY WHEN NECESSARY TO MAINTAIN PROPER CLEARANCE ABOVE PIPES.

REVISION # DATE REVISION-DESCRIPTION REVISION # DATE REVISION-DESCRIPTION

DESIGN: WMP

CHECK: WMP

BACK OF CURB ELEVATION

RIM ELEVATION AT GUTTER

BOTTOM CONE

(SEE NOTE 2)

TOP OF PIPE

IE= INVERT ELEVATION

PIPE SIZE MIN. MANHOLE DIA.

42"-48" 6'-0" MIN.

(SEE NOTE 1)

GRADE RINGS OR BRICK—COURSES, 1 MIN., 3 MAX.

ABOVE FLOOR

STEPS AT 16" MAX. O.C.— E.J.I.W. #8500 OR EQUAL, BOTTOM STEP 2'-0" MAX.

SEAL ALL JOINTS WATERTIGHT WITH MORTAR

REINFORCED PRECAST CONCRETE BASE, 3500 PSI OR PRECAST SUMP

COMPACTED CLASS II -BEDDING MATERIAL

> 2025 EULER ROAD DEVELOPMENT

STORM SEWER
NOTES AND DETAILS

CLIENT:

4M GENOA LLC

2244 EULER ROAD

BRIGHTON, MICHIGAN 48114

810-217-7471

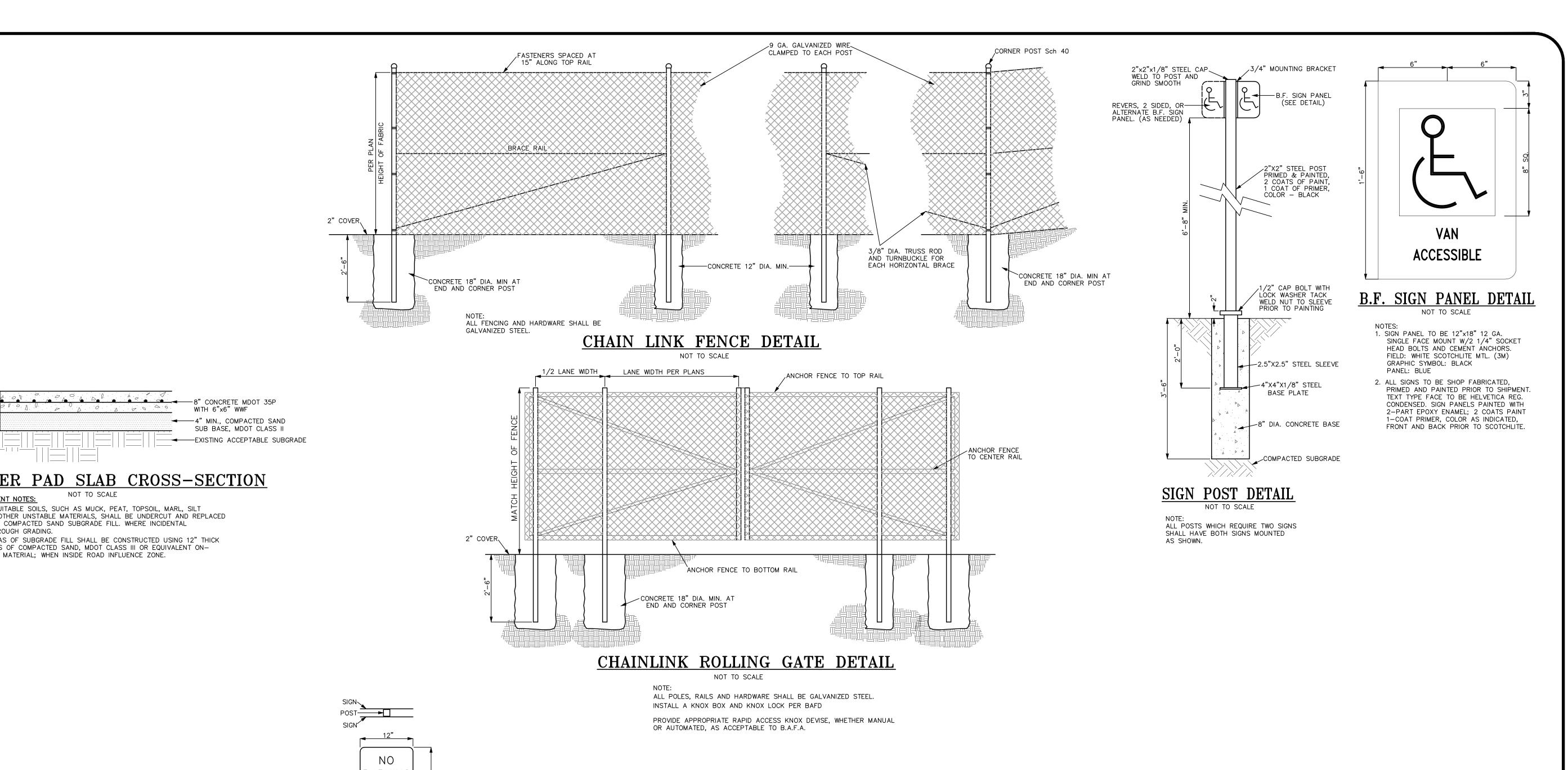
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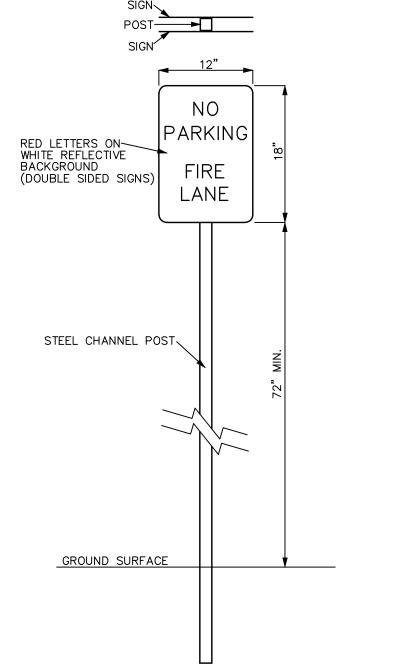
PROJECT No.: 234463

DWG NAME: 4463 DT

ISSUED: JAN. 26, 2024

DT2





FIRE LANE SIGN POST DETAIL

NOT TO SCALE

SCORE – CONCRETE (TYP.) -6" THICK MDOT-35P1 CONCRETE (6'x6' square) NOT TO SCALE





		REVISION#	DATE	REVISION-DESCRIPTION	REVISION #	D	DATE	REVISION-DESCRIPTION			
DESIGN	N:WMP	1	12-19-23	REVISED PER REVIEW COMMENTS					2025	FULER	ROAD
DRAFT:	: JHG								AOAO		
CHECK	C: WMP									TRIODMI	
	=										

8" CONCRETE MDOT 35P

DUMPSTER PAD SLAB CROSS-SECTION

OR OTHER UNSTABLE MATERIALS, SHALL BE UNDERCUT AND REPLACED WITH COMPACTED SAND SUBGRADE FILL. WHERE INCIDENTAL

2. AREAS OF SUBGRADE FILL SHALL BE CONSTRUCTED USING 12" THICK

LIFTS OF COMPACTED SAND, MDOT CLASS III OR EQUIVALENT ON-

1. UNSUITABLE SOILS, SUCH AS MUCK, PEAT, TOPSOIL, MARL, SILT

SITE MATERIAL; WHEN INSIDE ROAD INFLUENCE ZONE.

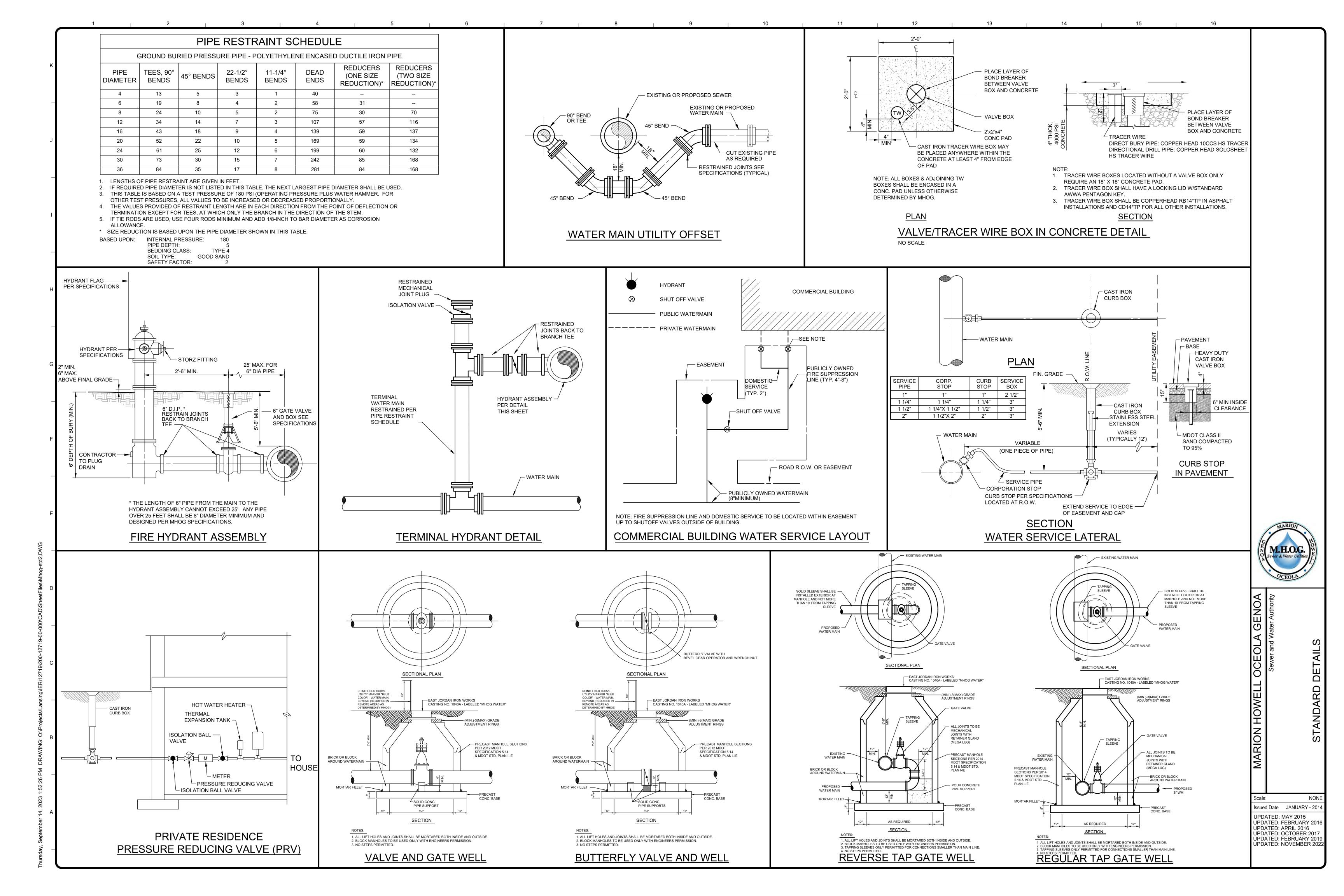
TO ROUGH GRADING.

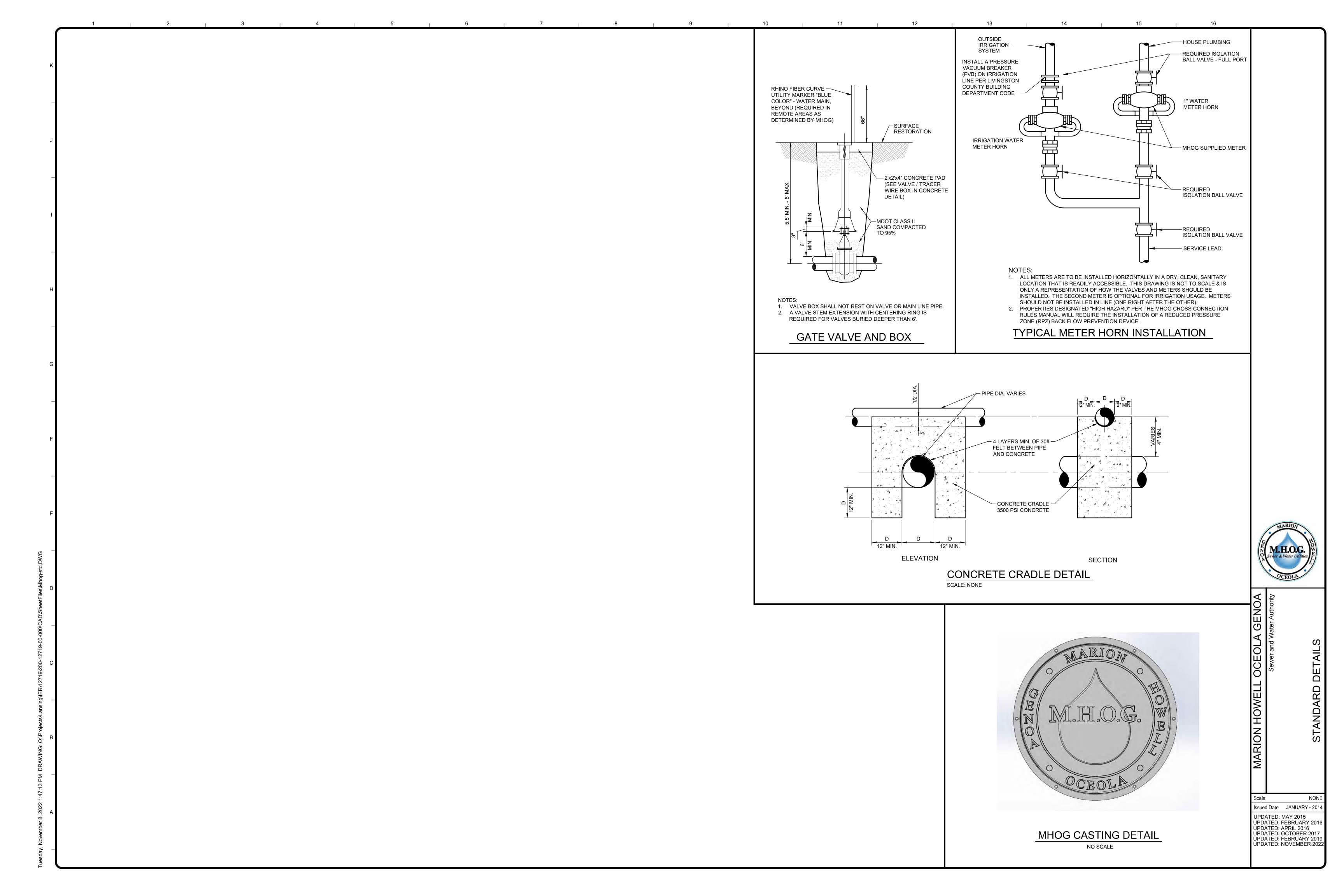
WITH 6"x6" WWF

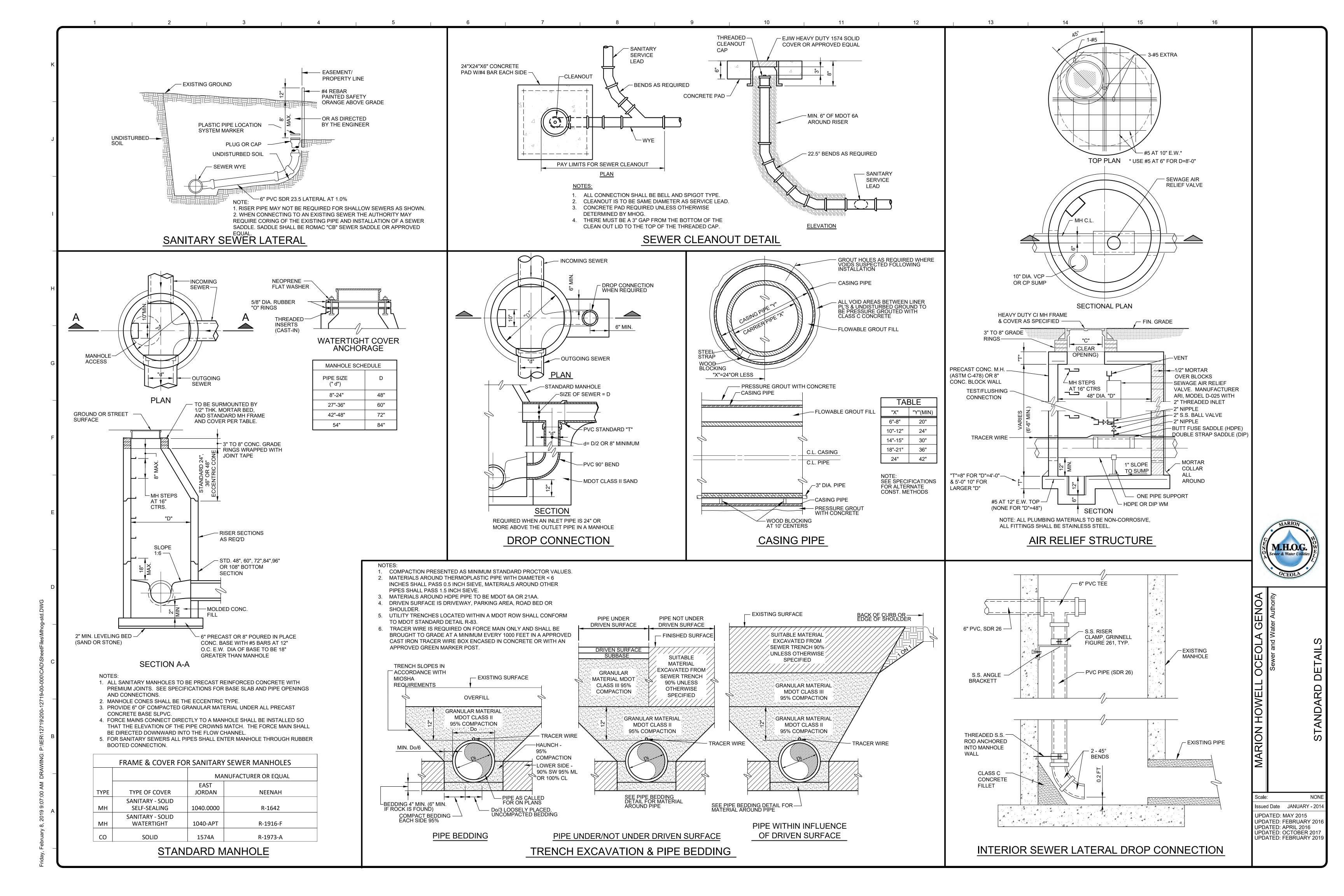
FENCING NOTES AND DETAILS

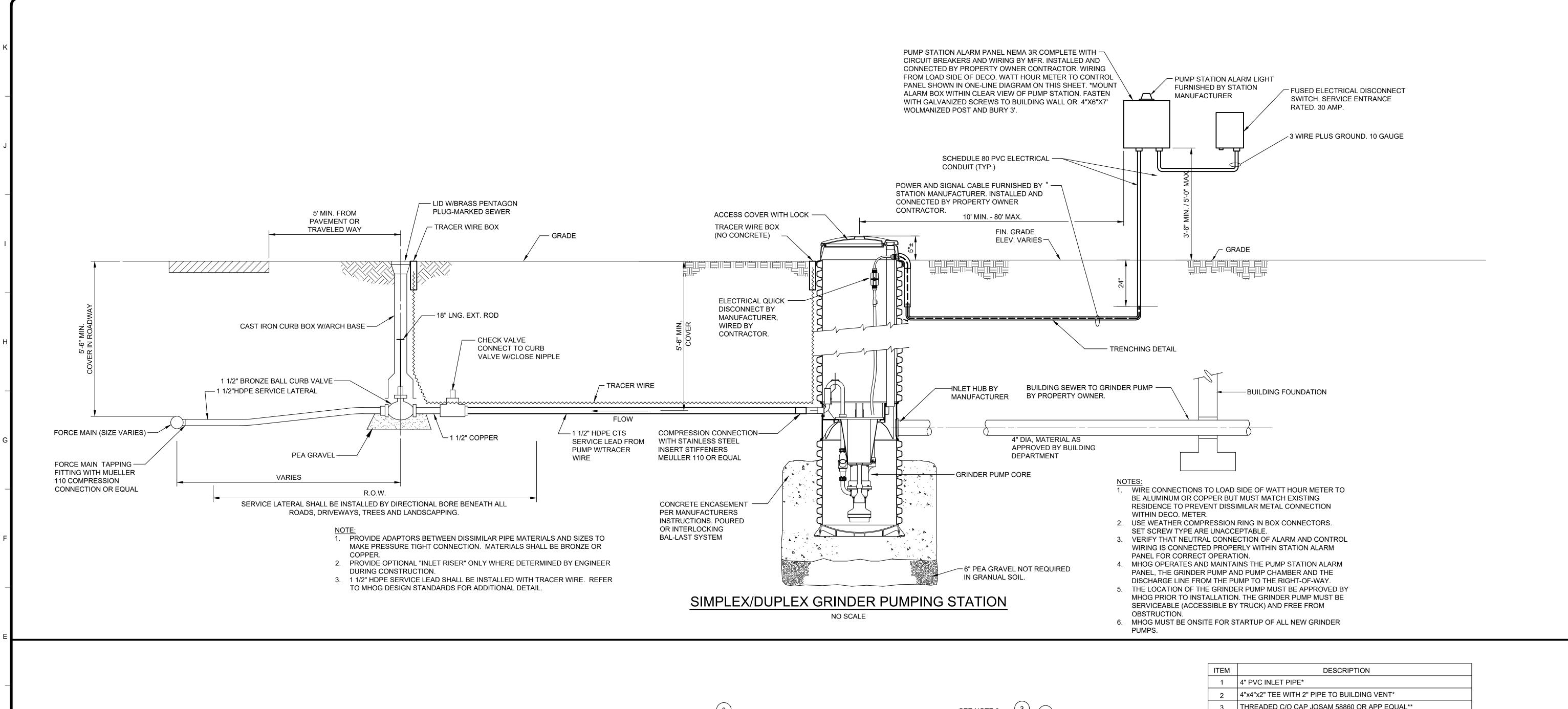
CLIENT: 4M GENOA LLC 2244 EULER ROAD BRIGHTON, MICHIGAN 48114 810-217-7471

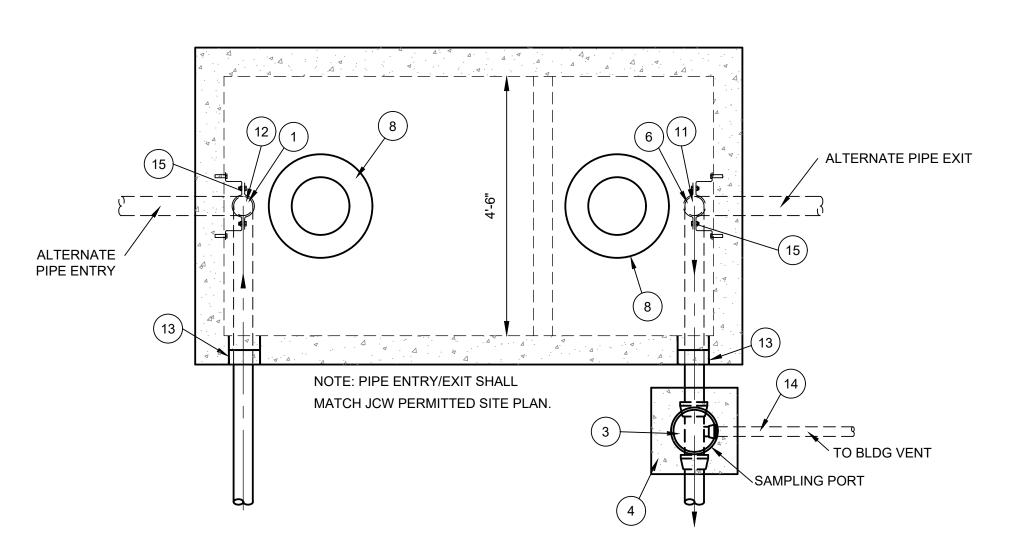
SCALE: N/A PROJECT No.: 234463 DWG NAME: 4463 DT ISSUED: JAN. 26, 2024

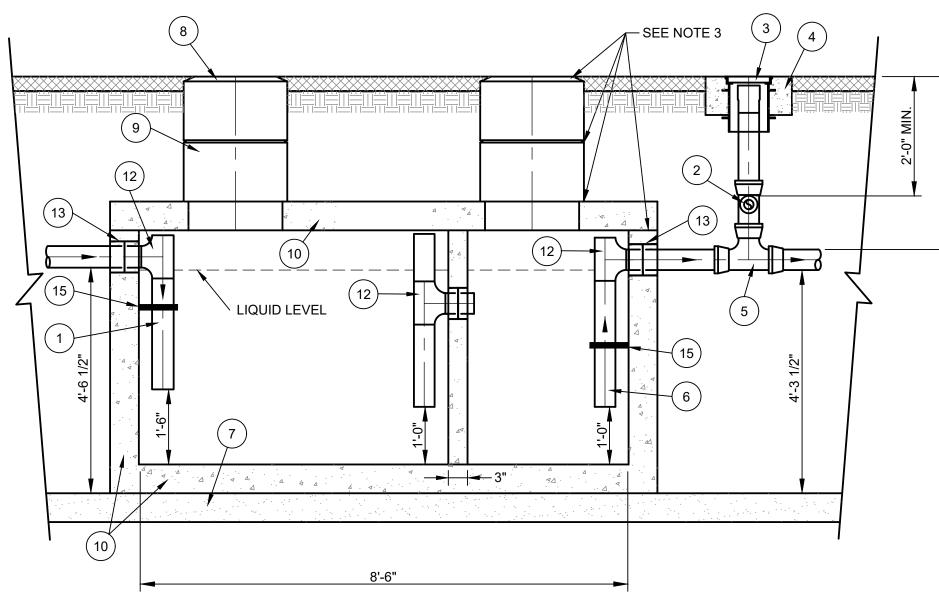












ITEM	DESCRIPTION
1	4" PVC INLET PIPE*
2	4"x4"x2" TEE WITH 2" PIPE TO BUILDING VENT*
3	THREADED C/O CAP JOSAM 58860 OR APP EQUAL**
4	CONCRETE PAD
5	4"x4"x4" TWO-WAY CLEANOUT TEE*
6	4" PVC OUTLET*
7	4" - 6" GRAVEL BEDDING
8	HEAVY-DUTY CAST IRON FRAME AND COVER ***
9	CONCRETE ADJUSTMENT RINGS
10	REINFORCE AS REQUIRED FOR SERVICE CONDITIONS
11	4" PVC 90° ELBOW*
12	4" PVC TEE*
13	A-LOK OR PRESS SEAL PSX PIPE/WALL CONNECTOR
4.4	2" VENT PIPE (IDENTIFY PIPE TYPE, CLASS & JOINT
14	AS REQUIRED FOR PROJECT)
15	STAINLESS STEEL PIPE SUPPORT CLAMP ****

* 6" PIPE MAY BE SUBSTITUDED TO MATCH UPSTREAM PIPE DIAMETER.

** REFER TO CLEAN OUT DETAIL(S) ON STANDARD DETAIL SHEET.

*** CLAY & BAILEY 2008 BV OR EQUAL (FROST PROOF COVERS OPTIONAL) ****FM STAINLESS FASTNERS #63 OR EQUAL. 1/2"x2-1/2" SS BRACKET W/ 1/2"x1-1/2" FULLY THREADED SS HEX BOLT WITH 1/2" SS WASHER AND 1/2"X1-3/4" SS ANCHORS. CLAMP TO BE FACTORY

INSTALLED.

- 1. THREE COVERS AND RISERS SHOWN. TWO COVERS AND RISERS CENTERED OVER UPPER TWO BAFFLES ARE OPTIONAL.
- 2. INTERCEPTOR SIZE 1000 GAL MINIMUM (REVISE THE SIZE DIMENSIONS, AS NEEDED, FOR LARGER
- CAPACITY INTERCEPTORS) 3. ALL JOINTS AT THE FRAME & COVER*, CONCRETE ADJUSTMENT RINGS AND THE LID OF THE
- INTERCEPTOR SHALL BE SEALED WITH A MINIMUM OF TWO (2) ROWS OF 3/4 TO 1 INCH PREFORMED BUTYL JOINT SEALER AND A 6" BUTYL JOINT WRAP AROUND SLEEVE (EZ WRAP). THE ENDS OF THE 6" EZ WRAP SHALL OVERLAP BY 12".
- 4. PIPING ON THE INTERIOR OF THE INTERCEPTOR SHALL BE PVC WITH SOLVENT-CEMENTED JOINTS. 5. GREASE INTERCEPTOR INCLUDING ADJUSTMENT RINGS AND CASTINGS SHALL BE WATER TESTED
- FOR WATER TIGHTNESS AFTER THE BACKFILL OPERATIONS HAVE BEEN COMPLETED. WATER TESTING SHALL CONSIST OF THE FOLLOWING: 1. SEAL THE TANK, 2. FILL WITH WATER, 3. LET STAND FOR 24 HOURS, 4. REFILL TANK, 5. TANK IS APPROVED IS WATER LEVEL IS HELD FOR 1 HOUR.
- 6. ONLY KITCHEN WASTE SHALL BE DIVERTED TO THE GREASE TRAP.



ssued Date JANUARY - 2014

UPDATED: MAY 2015 UPDATED: FEBRUARY 2016 UPDATED: APRIL 2016 UPDATED: OCTOBER 2017 UPDATED: FEBRUARY 2019

UPDATED: NOVEMBER 2022

GREASE INTERCEPTOR 1000 GALLON

Introduction The modern styling of the D-Series features a highly refined aesthetic that blends seamlessly with its environment. The D-Series offers the benefits of the latest in LED technology into

a high performance, high efficacy, long-life

The photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density, D-Series outstanding photometry aids in reducing the number of poles required in area lighting applications with typical energy savings of 65% and expected ervice life of over 100,000 hours.

DSXTLED	ing Informa	ation	EXA	MPLE: DSX1 LED F	P7 40K 70CRI T3N	I MVOLT SPA NLT	AIR2 PIRHN DDE
Series	LEON	Color temperature	Color Remissing Index	On misintion		Voltage	Mounting
DSX1 LED	Forward optics P1 P6 P2 P7 P3 P8 P4 P9 P5 Rotated optics P10' P12' P11' P13'	(this section 78CRI only) 30K	70CRI 70CRI 70CRI 80CRI 80CRI 80CRI 80CRI 80CRI	AFR Automotive (reptrow TTS Type Ishor. T2M Type Ill medium T3M type III medium T3LG Type III kwr.glare* T4M Type (V medium T4LG type (V medium	15M Type V reedium: 15LG Type V low glare 15W Type V Wide BLC3 Type III backlight control / BLC4 Type IV backlight control / LCCO Left corner outoff / RCCO Right corner cutoff /	MYOLT (120V-277V) HYOLT (547V-480V) XVOLT (277V-480V) 120 206 240 277 347 480	Shipped included SPA Square pole mounti (#8 drilling) RPA Racrid pole mounti (#8 drilling) SPAS Square pole mounti #5 drilling SPAS Round pole mounti #5 drilling SPABN Square name pole mounting #8 drilling WBA Wall bracket MA Mast arm adapter Imports on 2 3/8* (borzontal tenon)

antral options				Githeropid	uns	F)nisti	and the same of th
Shipped installe NLTAIR2 PIRHN PIR PER	nLight AUR gen 2 enabled with ox-level motion / embent sensor, 8-40 mounting height, ambient sensor mabled at 26, " A MAIN High/low, motion/ambient sensor, 8-40 mounting height, ambient sensor enabled at 2k AU mounting height, ambient sensor enabled at 2k AUM NATIONAL MAIN A twist-lock receptacle only (controls indexed separate) " Five-plin receptacle only (controls indexed separate) " AUR	PER7 FAO BL30 BL50 DMG	Seven-pin receptade only (controls ordered separate) # = Field adjustable output # # # # # # # # # # # # # # # # # # #	Shipped i SPD20KV HS L90 R90 CCE HA BAA SF DF Shipped s EGSR BSDB	Installed ZNKY surge protection Houseside shield (black finish standard) ⁽¹⁾ Left roused opoics Right rocated opoics Coastal Construction ⁽¹⁾ 50°C ambient operation ⁽¹⁾ 60'Y Americain) Act Compliant Single fuse (120, 227, 347Y) ⁽²⁾ Double fuse (208, 240, 480Y) ⁽³⁾ reparately External Glare Shield (reversible, field install required, marches housing finish) Bild Spikes (field install required)	DDGXD DBLXD DWHXD DWHXD DBLXD DBLXD DMATXD DWHXD DWHXD	Dark Bronze Black National Asymptotics Visite Textured dark thoroas Textured hadroal eluminus Textured whate

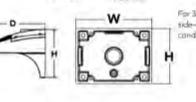
A LITHONIA COMMERCIAL OUTDOOR

One Lithonia Way . Convers, Georgia 30012 . Phone: 1-B00-705-SERV (7378) . © 2011-2023 Acuity Brands Lighting, Inc. All rights reserved.

D-Series Size 2

Nighting facts

Specifications



1-1/2"

designed and tested to provide consistent color Back Box (BBW)

appearance and system-level interoperability. All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency

This item is an A+ capable luminaire, which has been

DSX1-LED Rev 09/05/23 Page 1 of 10

 This luminaire is A+ Certified when ordered with DTL® controls marked by a shaded background. DTL DLL equipped luminaires meet the A+ specification for luminaire to photocontrol interoperability1

 This luminaire is part of an A+ Certified solution for ROAM® or XPoint™ Wireless control networks, providing out-of-the-box control compatibility with simple commissioning, when ordered with drivers and control options marked by a shaded background

To learn more about A+, visit www.acuitybrands.com/aplus.

** Capable Luminaire

See ordering tree for details.

2. A+ Certified Solutions for ROAM require the order of one ROAM node per luminaire. Sold Separately: Link to Roam; Link to DTL DLL

	little	Daive Current	Color temperature	Distribution	Voltage	Mausting	Control Opti	ons
DSXW2 LED	20C XOLEDS Itwo enginesi 30C 40 LEDS (three engines)	350 -150 mA 530 -510 mA 700 -700 mA 1000 -1000 mA (T.A)	30K A000 K 40K 4000 K 50K 5000 K AMBPC Amber phosphor converted	T2S Type II Short T2M Type II Medium T3S Type II Short T3M Type II Medium T4M Type II Medium T4M Type II Medium T4M Type II Medium T4M Abedium	MVOLT 1204 2084 2404 2774 34744 48043	Shipped included (blank) Surface mounting bracker Shipped separately* BBW Surface- reconted back frox (for conduit entry)	Shipped in PE PER PERS PER7 OMG PIR PIRH PIR1FC3V	Photoelectric cell, button type * NEMA Cwist-lock receptor In only Lconnol ordered separately* Thro-wine receptor is only (control ordered separately seven-wine receptorize only (control ordered separately) 0-10y dimming wires pulled outside finding fifty owith an external control, ordered separately) 1807 incumi/ambient light sensor, 15-30 might Motton/ambient sensor, 8-15' mounting height, ambient sensor enabled at 160° Mounting height ambien

LITHONIA LIGHTING COMMERCIAL OUTDOOR

HS House-side shield."

SPD Separate surge protection

DF Double fuse (208, 240, 480V) VG Vandal guant

One Lithonia Way . Conyers, Georgia 30012 . Phone: 1-800-705-SERV (7378) . © 2012-2021 Acuity Brands Lighting, Inc. All rights reserved.

DWHXD White

DNAXD Natural aluminum

DBLBXD Textured black

DNATXD Textured natural aluminum

DSXW2-LED Rev 04/19/21 Page 1 ot 4

+0.1 +0.1 +0.3 +0.4 +0.4 +0.4 +0.3 +0.3 +0.3 +0.3 +0.1 +0.2 +0.4 *0.5 *0.6 *0.5 *0.5 *0.5 *0.5 +0.4

PROPOSED +0.2 +0.3 +0.5 *0.7 *0.7 *0.7 *0.6 *0.6 +0.5 **10.8 **10.8 **10.8 **10.8 **10.8 **10.8 **10.8 **10.7 **10.7 **10.7 **10.7 **10.7 **10.7 **10.1 ** +0.2 +0.3 +0.7 *0.9 *0.9 *0.9 *0.9 *0.8 *0.7 +0.6 INDUSTRIAL BUILDING *1.0 ⁺1.0 ⁺0.9 ⁺0.9 ⁺0.9 ⁺0.8 ⁺0.8 ⁺0.8 ⁺0.7 ⁺0.6 ⁺0.4 ⁺0.3 ⁺0.2 ⁺0.2 ⁺0.1 ⁺0 0.3 0.4 0.9 *1.1 *1.2 *1.1 *1.0 *0.9 *0.8 +0 20,000 S.F. +0.4 +0.5 +1.2 *1.5 *1.5 *1.4 *1.2 *1.1 *0.9 +0 FIN. FLOOR = 973.50 +0.8 +1.0 +1.7 *1.9 *1.8 *1.6 *1.4 *1.2 *1.0 *0.

+1.1 +1.0 = 2.0 *2.0 *1.8 *1.5 *1.3 *1.1 +0 *10.9 *\bar{1}.2 *\bar{1}.9 *\bar{2}.0 *\bar{2}.0 *\bar{3}.0 *\bar{1}.6 *\bar **1.8 **1.7 **1.1 *0.4 *\ ^0.6 *\ ^1.1 *\ ^1.4 *\ ^1.5 *\ ^1.6 *\ ^1.7 *\ ^1.8 *\ ^2.1 *\ ^2.7 *\ ^3.0 *\ ^3.2 *\ ^3.2 *\ ^3.0 * *10.4 *\ 10.5 *\ 10.9 *\ 10.3 *\ 10.4 *\ 10.5 *\ 10.7 *\ 10.9 *\ 10.3 *\ 10.4 *\ 10.5 *\ 10.7 *\ 10.9 *\ 2.2 *\ 26 *\ 2.9 *\ 3.0 *\ 2.8 *\ 26 *\ 2.9 *\ 3.0 *\ 2.8 *\ 2.6 *\ 2.3 *\ 10.9 *\ 10.4 *\ 10.1 *\ 10.9 *\ 10.8 *\ 10.7 *\ 10.9 *\ 10.8 *\ 10.5 *\ 10.9 *\ 10.3 *\ 10.9 *\ 10.8 *\ 10.7 *\ 10.6 *\ 10.6 *\ 10.5 *\ 10.6 *\ 10.5 *\ 10.6 *\ 10.5 *\ 10.6 *\ 10.5 *\ 10.6 *\ 10.5 *\ 10.6 *\ 10.5 *\ 10.5 *\ 10.6 *\ 10.5 *\ 10

10.2 +0.2 +0.3 +0.4 +0.5 +0.6 +0.8 +1.1 +1.2 +1.2 +1.2 +1.3 +1.4 +1.5 +1.7 +1.8 +1.7 + $\frac{1}{4}$ 0.3 $^{+}$ 0.3 $^{+}$ 0.4 $^{+}$ 0.5 $^{+}$ 0.6 $^{+}$ 0.8 $^{+}$ 1.0 $^{+}$ 1.3 $^{+}$ 1.6 $^{+}$ 1.6 $^{+}$ 1.6 $^{+}$ 1.6 $^{+}$ 1.6 $^{+}$ 1.6 $^{+}$ 1.6 $^{+}$ 1.7 $^{+}$ 2.0 $^{+}$ 2.1 $^{+}$ 2.5 $^{+}$ 2.1 $^{+}$ 2.5 $^{+}$ 2.1 $^{+}$ 2.5 $^{+}$ 2.1 $^{+}$ 2.5 $^{+}$ 2.5 $^{+}$ 2.1 $^{+}$ 2.7 $^{+}$ 3.0 $^{+}$ 3.3 $^{+}$ 3.4 $^{+}$ 3.2 $^{+}$ 3.0 $^{+}$ 3.3 $^{+}$ 3.4 $^{+}$ 3.2 $^{+}$ 3.0 $^{+}$ 3.7 $^{+}$ 3.0 $^{+}$ 3.3 $^{+}$ 3.4 $^{+}$ 3.2 $^{+}$ 3.0 $^{+}$ 3.3 $^{+}$ 3.4 $^{+}$ 3.2 $^{+}$ 3.0 $^{+}$ 3.7 $^{+}$ 3.0 $^{+}$ 3.3 $^{+}$ 3.4 $^{+}$ 3.2 $^{+}$ 3.9 $^{$ 10.4 + 0.5 + 0.6 + 0.7 + 0.9 + 1.0 + 1.2 + 1.6 + 1.7 + 1.7 + 1.6 + 1.7 + 1.7 + 1.6 + 1.7 + 1.7 + 1.6 + 1.7 + 1.5 + 1.8 + 2.3 + 2.6 + 2.8 + 3.2 + 3.7 + 3.8 + 3.5 + 3.2 + 3.1 + 2.9 + 2.5 + 2.3 + 2.4 + 2.6 + 2.5 + 2.3 + 2.4 +

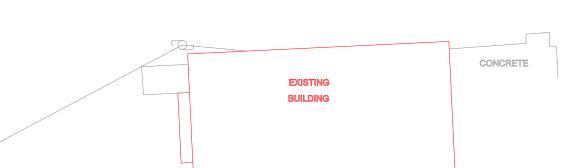
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 $\sqrt[4]{0.5}_{0.5}$ $\sqrt[4]{0.5}_{0.6}$ $\sqrt[4]{0.7}_{0.8}$ $\sqrt[4]{0.9}$ $\sqrt[4]{1.1}$ $\sqrt[4]{1.3}$ $\sqrt[4]{1.3}$ $\sqrt[4]{1.3}$ $\sqrt[4]{1.4}$ $\sqrt[4]{1.6}$ $\sqrt[4]{1.6}$ *0.4 *\ 0.5 *\ 0.5 *\ 0.6 *\ 0.6 *\ 0.6 *\ 0.6 *\ 0.6 *\ 0.6 *\ 0.6 *\ 0.6 *\ 0.6 *\ 0.6 *\ 0.6 *\ 0.8 *\ 2.2 *\ 2.6 *\ 2.8 *\ 2.5 *\ 2.1 *\ 1.9 *\ 1.7 *\ 1.4 *\ 1.4 *\ 1.4 *\ 1.4 *\ 1.4 *\ 1.4 *\ 1.4 *\ 1.4 *\ 1.4 *\ 1.4 *\ 1.4 *\ 1.4 *\ 1.4 *\ 1.3 *\ 1

*\bar{1}.3 *\bar{1}.3 *\bar{1}.3 *\bar{2}.3 *\bar{1}.6 *\bar{1}.2 *\bar{2}.3 *\bar{2}.7 *\bar{2}.9 *\bar{2}.8 *\bar{2}.4 *\bar{2}.3 *\bar{2}.7 *\bar{2}.9 *\bar{2}.8 *\bar{2}.4 *\bar{2}.3 *\bar{2}.7 *\bar{2}.8 *\bar{2}.6 *\bar{2}.7 *\bar{2}.8 *\bar{2}.8 *\bar{2}.8 *\bar{2}.6 *\bar{2}.8 +0.2 +0.2 +0.4 +0.5 +0.6 +1.2 *1.7 *1.6 *1.5 *1.5 *1.6 +1.9 +2.1 +0.2 +0.2 +0.4 +0.8 +1.0 +1.7 +1.9 +1.9 *1.7 *1.5 *1.2 *1.1 +0

PROPOSED +0.2 +0.2 +0.4 +0.8 +1.0 +1.7 *1.8 @8306 *1.4 *1.1 *0.9 +0.9 +0.9 $^{+}1.0$ $^{+}1.0$ $^{+}0.9$ $^{+}0.9$ $^{+}0.8$ $^{+}0.7$ $^{+}0.7$ $^{+}0.6$ $^{+}0.5$ $^{+}0.4$ $^{+}0.3$ $^{+}0.2$ $^{+}0.1$ $^{+}$ INDUSTRIAL BUILDING +0.1 +0.2 +0.3 +0.5 +0.5 +1.3 *1.5 *1.5 *1.4 *1.2 *1.0 *0.8 +0.7 *3 $^{+}0.8$ $^{+}0.8$ $^{+}0.8$ $^{+}0.7$ $^{+}0.7$ $^{+}0.7$ $^{+}0.6$ $^{+}0.5$ $^{+}0.4$ $^{+}0.4$ $^{+}0.3$ $^{+}0.2$ $^{+}0.1$ $^{+}0.1$ $^{+}0.1$ $^{+}0.1$ $^{+}0.0$ $^{+}$ 20,000 S.F. +0.1 +0.2 +0.3 +0.3 +0.4 +0.8 +1.1 +1.2 +1.6 +1.0 +0.9 +0.7 +0.6 FIN. FLOOR = 973.50 +0.1 +0.1 +0.2 +0.2 +0.3 +0.6 *0.9 *0.9 *0.9 *0.8 *0.7 *0.6 +0.5 +0.1 +0.1 +0.1 +0.2 +0.2 +0.4 *0.7 *0.7 *0.7 *0.7 *0.6 *0.6 +0.5

> Plan View Scale - 1'' = 40ft



General Note

1. SEE SCHEDULE FOR LUMINAIRE MOUNTING HEIGHT.

2. CALCULATIONS ARE SHOWN IN FOOTCANDLES AT: 0' - 0" 3. LIGHTING ALTERNATES REQUIRE NEW PHOTOMETRIC CALCULATION AND RESUBMISSION TO CITY FOR APPROVAL.

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.

FOR ORDERING INQUIRIES CONTACT GASSER BUSH AT QUOTES@GASSERBUSH.COM OR 734-266-6705

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

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

Statistics									
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min	Avg/Max		
North Parking Lot	Ж	1.7 fc	4.4 fc	0.5 fc	8.8:1	3.4:1	0.4:1		
Property Line	+	0.0 fc	0.9 fc	0.0 fc	N/A	N/A	0.0:1		
South Parking Lot	Ж	1.7 fc	4.8 fc	0.5 fc	9.6:1	3.4:1	0.4:1		
Grade	+	0.9 fc	5.0 fc	0.0 fc	N/A	N/A	0.2:1		

CELL

TOWER

Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Lumens Per Lamp	Light Loss Factor	Wattag
	Α	4	Lithonia Lighting	DSX1 LED P4 40K 70CRI TFTM	D-Series Size 1 Area Luminaire P4 Performance Package 4000K CCT 70 CRI Forward Throw	16384	0.9	123.94
	В	2	Lithonia Lighting	DSX1 LED P4 40K 70CRI T3M	D-Series Size 1 Area Luminaire P4 Performance Package 4000K CCT 70 CRI Type 3 Medium	16032	0.9	123.94
	С	6	Lithonia Lighting	DSX1 LED P4 40K 70CRI T5W	D-Series Size 1 Area Luminaire P4 Performance Package 4000K CCT 70 CRI Type 5 Wide	17013	0.9	247.88
	D	6	Lithonia Lighting	DSXW2 LED 30C 1000 40K TFTM MVOLT	DSXW2 LED WITH 3 LIGHT ENGINES, 30 LED's, 1000mA DRIVER, 4000K LED, TYPE FORWARD THROW MEDIUM OPTIC	11120	0.9	109
	Е	0	Lithonia Lighting	DSX1 LED P4 40K 70CRI T5W	D-Series Size 1 Area Luminaire P4 Performance Package 4000K CCT 70 CRI Type 5 Wide	17013	0.9	123.94

Designer Date 11/30/2023 Scale Not to Scale Drawing No. QUICK CALC V1 1 of 1

GASSE WWW

20

10

0

UNIT # | - MRM CONSTRUCTION
PROPOSED LOWER LEVEL PLAN

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

GLENN
PETER
De SIMONE
ARCHITECT
No.
1301030329 LICENSE NUMBER: 1301030329 SIGNED & SEALED: 01/17/2024 EXPIRES: 10/31/2025

NORTH

DESI(PRIME
ARCHITECTURE
2397 OLD KENT ROAD

PROJECT 23/1751

DATE 09/18/2023

REVISIONS 10/03/2023 10/26/2023

10/27/2023 12/20/2023 01/17/2024

SHEET

20

10

0

GLENN
PETER
De SIMONE
ARCHITECT
No.
1301030329 LICENSE NUMBER: 1301030329 SIGNED & SEALED: 01/17/2024 EXPIRES: 10/31/2025

UNIT #2 - MERLO CONSTRUCTION PROPOSED LOWER LEVEL PLAN

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

NORTH

SHEET

PROJECT 23/1751

DATE 09/18/2023

REVISIONS
10/03/2023
10/26/2023
10/27/2023
12/20/2023
01/17/2024

GLENN
PETER
De SIMONE
ARCHITECT
No.
1301030329 LICENSE NUMBER: 1301030329 SIGNED & SEALED: 01/17/2024 EXPIRES: 10/31/2025

UNIT #1 - MRM CONSTRUCTION PROPOSED UPPER LEVEL PLAN SCALE: 1/8" = 1'-0" 10 20

PROJECT 23/1751

DATE 09/18/2023

REVISIONS
10/03/2023
10/26/2023
10/27/2023
12/20/2023
01/17/2024

SHEET

DATE 09/18/2023

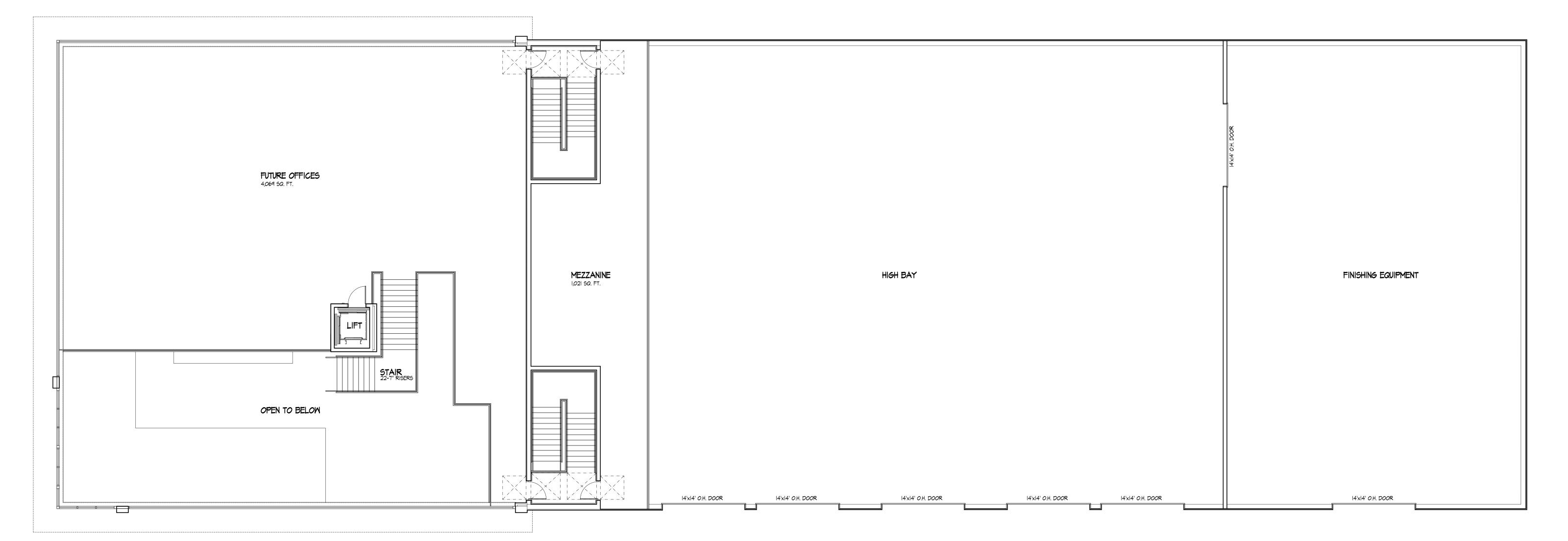
REVISIONS
10/03/2023
10/26/2023
10/27/2023
12/20/2023
01/17/2024

SHEET

GLENN
PETER
De SIMONE
ARCHITECT
No.
1301030329

LICENSE NUMBER: 1301030329 SIGNED & SEALED: 01/17/2024 EXPIRES: 10/31/2025

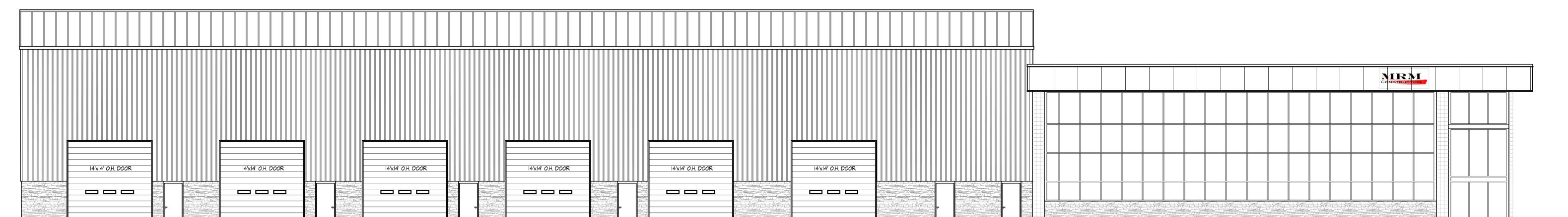
UNIT #2 - MERLO CONSTRUCTION PROPOSED LOWER LEVEL PLAN SCALE: 1/8" = 1'-0" 0 10 20



UNIT #1 - MRM CONSTRUCTION
PROPOSED EASTERN EXTERIOR ELEVATION SCALE: 1/8" = 1'-0"

UNIT #1 - MRM CONSTRUCTION
PROPOSED WESTERN EXTERIOR ELEVATION

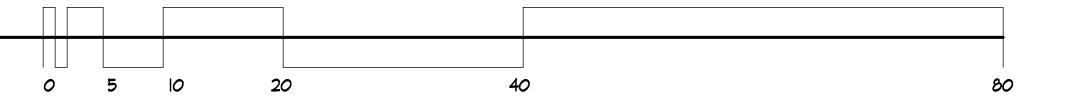
SCALE: 1/8" = 1'-0"

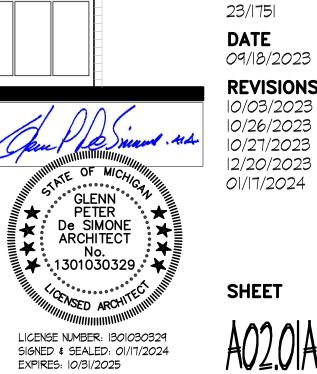


- PAINTED CONCRETE WALL

UNIT #1 - MRM CONSTRUCTION
PROPOSED NORTHERN EXTERIOR ELEVATION

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





— PAINTED CONCRETE WALL

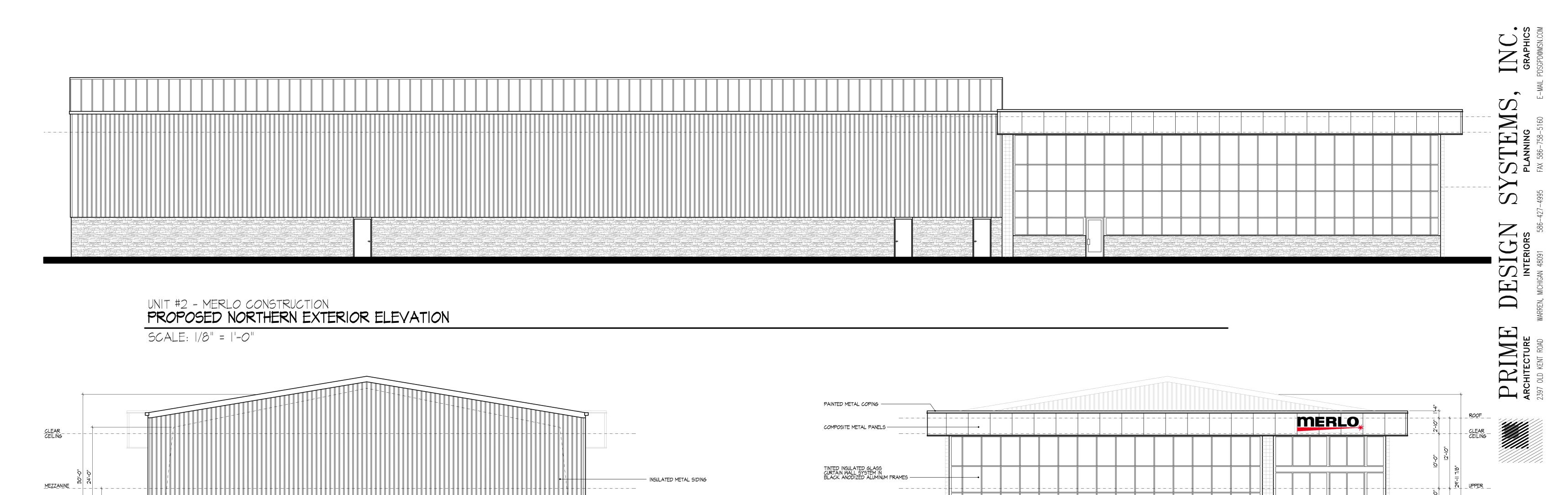
PROPOSED INDUSTRIAL SITE CONDOMINIUM

L.L.C.

2025 EULER ROAD, BRIGHTON, MICHIGAN 48114

PROPOSED EXTERIOR ELEVATIONS **DATE** 09/18/2023 **REVISIONS** 10/03/2023 10/26/2023

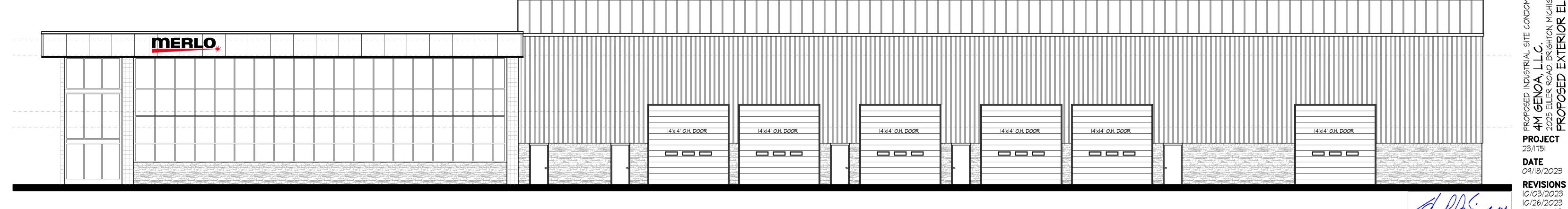
DESIGN



UNIT #2 - MERLO CONSTRUCTION
PROPOSED EASTERN EXTERIOR ELEVATION

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

UNIT #2 - MERLO CONSTRUCTION
PROPOSED WESTERN EXTERIOR ELEVATION SCALE: 1/8" = 1'-0"

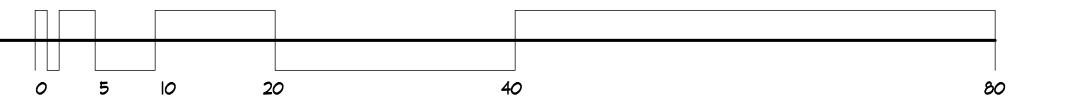


HOLLOW METAL DOOR & FRAME

- PAINTED CONCRETE WALL

UNIT #2 - MERLO CONSTRUCTION
PROPOSED SOUTHERN EXTERIOR ELEVATION

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





PROJECT 23/1751 **DATE** 09/18/2023

> 10/27/2023 12/20/2023 01/17/2024 SHEET



2911 Dorr Road Brighton, MI 48116 810.227.5225 810.227.3420 fax genoa.org

SUPERVISOR

Bill Rogers

CLERK

Paulette A. Skolarus

TREASURER

Robin L. Hunt

TRUSTEES

Jean W. Ledford

Terry Croft

Diana Lowe

Jeff Dhaenens

MANAGER

Kelly VanMarter

MEMORANDUM

TO:

Honorable Board of Trustees

FROM:

Kelly VanMarter, Township Manager

DATE:

January 30, 2024

RE:

Pine Creek Ridge Road Project – Resolution #5C Amendment

As you know, due to appeals pending with the Michigan Tax Tribunal associated with the Pine Creek Road Improvement Special Assessment district, counsel recommended a temporary pause of the project. Although we were concerned with cost increases potentially resultant from the delay I am pleased to inform you that the County Road Commission has negotiated for a carry-over of the project cost provided that we let them know by June if the project is able to be constructed this year. You may recall that the contractor was already holding 2022 prices in their original quote so this is exceptionally good news. Additionally, bond interest rates have not increased and may even be little improved since our original estimate.

Hearings with the Michigan Tax Tribunal are scheduled for Tuesday, February 6, 2024. Although we intend to ask for a prompt response, recent experience with the Tribunal does not support an expedient decision-making process. For this reason, I am requesting a third amendment to Resolution #5 to again extend the no-interest prepayment period to move it from March 1, 2024 to June 1, 2024. To reflect this change, I have prepared Resolution #5C which is included in the following pages for your review. If approved, staff will mail notice to each owner in the district to inform them that the no interest pre-payment period has been extended. I look forward to discussing this with you on Monday. Please let me know if you have any questions.

Resolution #5C

Third Amendment to Resolution No. 5 for the Pine Creek Ridge Road Improvement Project (Extend pre-payment period to June 1, 2024)

GENOA CHARTER TOWNSHIP

At a regular meeting of the Township Board of the Genoa Charter Township, Livingston County, Michigan, (the "Township") held at the Township Hall on February 5, 2024 at 6:30 p.m., there were:

PRESENT:	
ABSENT:	
The following preamble and resolutions were offered by	and seconded by

Third Amendment to Resolution Confirming Special Assessment Roll

WHEREAS, the Board of Trustees of the Township ("Township Board") has determined to proceed with the Pine Creek Ridge Road Improvement Project within the Township as described in Exhibit A (the "Project") and in accordance with Act No. 188, Michigan Public Acts of 1954, as amended;

WHEREAS, the Township Board adopted its Resolution confirming Special Assessment Roll on April 17, 2023, approving the Special Assessment Roll for the Pine Creek Ridge Road Improvement Project (Winter 2023) (the "Roll"); and

WHEREAS, the Township Board first amended the Resolution confirming the Special Assessment Roll on May 15, 2023, to extend the deadline for payments without interest from May 17, 2023 to September 14, 2023; and

WHEREAS, the Township Board approved a second amendment to the Resolution confirming the Special Assessment Roll on August 21, 2023 to move the project from the Winter 2023 to the Summer 2024 tax and to extend the deadline for payments without interest from September 14, 2023 to March 1, 2024; and

WHEREAS, that it is again necessary to further modify certain deadlines related to the Roll for the Project.

NOW, THEREFORE, BE IT RESOLVED THAT:

1. <u>Amendment to Future Installments – Interest</u>. Special assessments pursuant to the Roll may be paid in full up to June 1, 2024 without interest. Thereafter, unless further amended, all unpaid installments shall bear interest, payable annually on each installment due date, at a rate of one percent (1%) above the highest rate of interest borne by the bonds that are being issued to finance the Project. Prepaid installments shall not bear interest while held by the Township.

2. <u>Inconsistent Prior Resolutions</u> . All previously adopted resolutions that are in conflict with this resolution are repealed to the extent of such conflict.
A vote on the foregoing resolution was taken and was as follows:
YES:
NO:
ABSENT: <u>CLERK'S CERTIFICATE</u>
The undersigned, being the duly qualified and acting Clerk of the Township, hereby certifies that (1) the foregoing is a true and complete copy of a resolution duly adopted by the Township Board at the February 5, 2024 meeting of the Township Board, at which meeting a quorum was present and remained throughout; (2) the original thereof is on file in the records in the Township Manager's office; (3) the meeting was conducted, and public notice thereof was given, pursuant to and in full compliance with the Open Meetings Act (Act No. 267, Public Acts of Michigan, 1976, as amended); and (4) minutes of such meeting were kept and will be or have been made available as required thereby.
Paulette A. Skolarus, Genoa Charter Township Clerk

EXHIBIT A – THE PROJECT

PINE CREEK RIDGE ROAD IMPROVEMENT PROJECT (SUMMER TAX 2024) DESCRIPTION OF PROJECT A FIFTEEN-YEAR SPECIAL ASSESSMENT DISTRICT WITH PROJECTED COSTS AS FOLLOWS:

- Total construction cost of the project: \$4,210,000.00
- Total number of parcels: 266
- Homeowners representing over 50% of property and frontage have signed petitions.
- The Lake Villas of Pine Creek are contributing \$58,197.67 which includes a contribution from the Township of \$14,549.52 which is 25% of the project cost to the Lake Villas in accordance with Township policy.
- The Township is contributing \$399,000 to the project which is \$1,500 per parcel in Pine Creek Ridge since this project will improve a public roadway in accordance with established policy.
- The Township will need to sell bonds to finance the project. The estimated interest for the district is 5.5% and the administrative cost is \$144,000.
- Project Cost:

Construction Cost	\$ 4,210,000.00
Administration and Bonding Costs	\$ 144,000.00
TOTAL PROJECT COST	\$ 4,354,000.00
Township Contribution to Pine Creek Ridge (\$1,500 per parcel)	\$ (399,000.00)
Villas contribution including Township portion	\$ (58,197.67)
NET PROJECT COST	\$ 3,896,802.33

- Total Principle Cost per Parcel is \$14,649.63.
- The annual principle payment is \$976.64 with 5.5% interest applied to the outstanding balance.
- The project will consist of:
 - o Minor curb repair in areas that impede drainage as needed;
 - o Drainage system cleaning and repair as necessary;
 - o Reseal drainage structures in curblines from the inside and replace any loose or missing brick;
 - o Removal of existing asphalt;
 - o Proof roll the base to identify any soft and yielding areas to be addressed prior to placement of the asphalt pavement; and
 - o Paving of 4.5 inches of 13A hot mix asphalt installed in 2 lifts with one lift of 2.5" and one of 2".



2911 Dorr Road Brighton, MI 48116 810.227.5225 810.227.3420 fax genoa.org

MEMORANDUM

TO: Honorable Board of Trustees

FROM: Adam VanTassell

DATE: January 31, 2024

RE: Township Hall Water Softener and Iron Filter system

The Township Hall water system has issues with water hardness and iron deposits. The building water softening and iron filtration systems have worked over the years to combat this but both systems are exceeding their expected lifetimes and are in need of replacement. Staff received three proposals to replace these systems, one proposal was very complex and expensive so the two remaining proposals are presented for the Board's review. Staff is recommending the quote from Adams Well Drilling as this proposal expands the capacity of the softening/iron removal system which will better meet the current and future needs of the Township Hall and Park facilitites.

Recommended Motion

A.	Moved by	, Supported by	to approve the		
	proposal from Adams Well Drilling & Water Treatment, Inc. for				
	\$8,355.00 for a ne	ew water softener and new iro	on removal system and		
	associated plumb	ing.			

SUPERVISOR

Bill Rogers
CLERK

Paulette A. Skolarus

TREASURER

Robin L. Hunt

TRUSTEES

Jean W. Ledford

Terry Croft

Diana Lowe

Jeff Dhaenens

MANAGER

Kelly VanMarter



QUOTE #437

SENT ON:

Jan 17, 2024

RECIPIENT:

Adam Vantassell

2911 Dorr Road Brighton, Michigan 48116

Phone: 8102775225

SENDER:

Adams Water Treatment

5893 Sterling Drive Howell, Michigan 48843

Phone: 517 545 7517

Email: info@adamswelldrilling.com

Product/Service	Description	Qty.	Unit Price	Total
CSE1354TW	CareSoft Elite 1354 TWIN TANK, 60,000 GRAIN SOFTENER	1	\$4,500.00	\$4,500.00
				Optional
IPFE1665	ION PRO 1665 BIRM IRON REMOVAL SYSTEM INSTALLED	1	\$3,200.00	\$3,200.00 *
	1665 filters at 15 gallons per minute			
				Not included
REBED/PISTON & SEALS	RE-BED 1354 IRON REMOVAL WITH NEW PISTON & SEALS	1	\$1,300.00	\$1,300.00 *
	1354 tank cleans at 8 gallons per minute			
PLUMBING	Extra plumbing to segregate outside park water from building. This will allow us to run water through the iron removal system and not run it through the softener. Having long-term reduction in salt consumption.	1	\$655.00	\$655.00 *
	There's approximately \$310 worth of fittings approximately 25 feet in 1 1/4 copper, valves, tees and 90s. Also pipe wrap and pipe hangers.			
	Two hours of labor are included in the estimate.			



QUOTE #437

SENT ON:

Jan 17, 2024

Total

\$8,355.00

* Non-taxable

Both the water softener and the iron removal system are continuously putting water to drain. Putting on necessary wear and tear on the well pump and tank also needlessly spending electricity. The water softener is 18 years old and resin is rated for 18 years. It's recommended that we change the unit out. When evaluating The site we noticed water usage averaging normally 400 to 1000 gallons per day. With the park, Just installed. And the potential for future bathrooms outside it is recommended to go to a twin tank softener to handle the higher volumes of water.

Option one with the iron removal is to go to a bigger unit which will allow the building to handle more volume last week we had a high volume of 10 gallons per minute and the iron removal system is capable of 8 gallons per minute. A 1665 unit will clean at 16 gallons per minute. It is acceptable to go over an iron removal systems volume capacity for short periods of time when a softener follows the unit unit up. But in ideal conditions, we would not exceed the gallons per of the unit.

If anyone has any questions, feel free to give me (Brian Adams) a call on my cell phone 517-404-9023

This quote is valid for the next 30 days, after which values may be subject to change.



Quote Date:	January 16, 2024
Customer:	Genoa Township Hall
Address:	2911 Dorr Road
City, State, Zip:	Brighton, MI 48116
Phone/Email:	810-227-5225 / adam@genoa.org
Attention:	Adam Vantassell
Description:	Replacement Equipment Quote

Equipment Description				Unit Cost	Qty	
OPTION #1	Iron Filter AIO 13x54		\$	2,500.00	1	
	60K Softener 13x54		\$	2,400.00	1	
		TOTAL	\$	4,900.00		
OPTION #2	Rebed both tanks					
	AIO 13x54		\$	1,200.00	1	
	Softener 13x54		\$	1,200.00	1	
		TOTAL	\$	2,400.00		

Services Description

WARRANTY

AIO 13x54 1 Year service / Labor 5 Years Parts 10 Years Tank 60K Softener 1 Year service / Labor 7 Years Parts 10 Years Tank

Rebed Tanks 60 Day Warranty on all Rebeds

Terms

Prepared By: Denise Johnson for Scott Templeton

Water Specialist

Beauchamp Water Treatment

872 N. Old US 23 Brighton, MI 48114 Cell: (734) 512-9517 Office: (810) 632-2000

Approved By:_____



2911 Dorr Road Brighton, MI 48116 810.227.5225 810.227.3420 fax genoa.org

MEMORANDUM

TO:	Honorable Board of Trustees
FROM:	Adam VanTassell
DATE:	February 5th, 2024
RE:	Township Hall Duct cleaning
Manager's Revi	ew:

The Township Hall is equipped with six furnaces with ductwork running throughout the building. This ductwork has not been cleaned since its installation in 1998. Staff had inspections done by area duct cleaning companies and solicited proposals for cleaning to improve the health and welfare of the employees and visitors to the building.

Recommended Motion

A.	Moved by	, Supported by	_ to approve the
	proposal fro	m Amistee for \$6, 200.00.	

SUPERVISOR

Bill Rogers

CLERK

Paulette A. Skolarus

TREASURER

Robin L. Hunt

TRUSTEES

Jean W. Ledford

Terry Croft

Diana Lowe

Jeff Dhaenens

MANAGER

Kelly VanMarter



47087 GRAND RIVER AVE. NOVI, MI 48374

PHONE: (248) 349-8877 FAX: (248) 349-8894 JEFF@AMISTEE.COM WWW.AMISTEE.COM



Date: January 26 2024

Project: Genoa Township Hall - 3001 Dorr Rd, Brighton, MI 48116

Proposal for cleaning 6 furnaces, associated ductwork, and associated diffusers/vents.

SCOPE OF WORK - HVAC REMEDIATION

- 1.) Removal of all visible surface contaminants of the entire airside of the HVAC unit. In this proposal that shall mean:
 - Supply ductwork
 - Return air ductwork
 - Diffusers and/or vents
 - Dampers, turning vanes, and components inside ductwork
 - Coils, blowers, and air components of (6) furnaces
- 2.) Collection equipment to be used will be a large vacuum truck with a minimum of 15,000 cfm's and portable HEPA vacuums.
- 3.) Various access ports will be opened in ductwork as needed for cleaning.
- 4.) High-pressure air and different agitation devices will be inserted into ductwork for cleaning.
- 5.) Reassemble with accessible sheet metal patches where openings were cut.
- 6.) Follow up report provided to appropriate parties, including before and after pictures of the areas to be cleaned as well as any finds and/or suggestions.

I. GENERAL PROVISIONS

- A. In as much as the work to be performed under this contract is to be accomplished in occupied areas, Amistee, Inc. and Management will coordinate the work, whereby both management and Amistee, Inc. may continue their operations with the least possible interference and inconvenience. Amistee, Inc. shall notify Management approximately 24 hours before commencing work in order that Management may arrange a schedule of clearance in the buildings where the work is to be performed and set out the actual hours during which Amistee, Inc. may perform their duties. All tools, labor, and materials shall be at the site prior to the beginning of service in order to insure a minimum loss of time.
- B. Amistee, Inc. shall use drop cloths, shields, and other protective devices to prevent damage to mechanical equipment and/or to areas adjacent to units being decontaminated.
- C. All lint, dust, dirt, mold, and other combustible contaminants removed from any areas shall be gathered. Contained, and removed from each site by Amistee, Inc. and disposed of as directed by Management under strict standards of safety.
- D. Amistee, Inc. will comply with all regulations, security and otherwise, imposed by Management governing the conduct of outside personnel and will be held strictly responsible for the conduct of their employees.



- E. Amistee, Inc. shall employ only skilled mechanics and technicians and experienced supervisors. The work specified by the Contract shall be performed in the best and most workmanlike manner in strict accordance with specifications.
- F. All duct cleaning shall consist of the removal of all possible dirt, dust, mold, and other contaminants by the use of manual or pneumatic means.
- G. Amistee, Inc. shall, after the final completion of the source removal of dirt, dust, mold, and other contaminants from duct interiors, be required to apply a certified solution of a bactericide and fungicide product which shall effectively deter accumulation of mold, mildew, and disease-causing bacteria. Conventional high production spray equipment will be used to apply this solution. This solution will be EPA registered. Amistee, Inc. assumes no responsibility for anyone in the building with chemical allergies. Management must take responsibility for allowing Amistee, Inc. to use certified solution of bactericide and fungicide.
- H. Amistee, Inc. will provide insurance certificate upon request.
- I. Management will make available, at no cost to Amistee, Inc., all electricity necessary for Amistee, Inc. to operate their electrically powered equipment such as blowers, compressors, industrial vacuuming equipment, explosion-proof and conventional drop lights and all other electrical equipment necessary to the performance of the work.
- J. Management will designate areas in which Amistee, Inc. shall be permitted to park their trucks, utility trailers, trailer supply room, and other automotive equipment necessary while performing the work specified under this contract.
- K. Management will inspect for acceptance and so certify all work completed by Amistee, Inc. within a 24-hour period after being advised by Amistee, Inc. that work has been completed.
- L. Amistee, Inc., at their own expense, will repair any damage to property or equipment of management, which can be attributed to Amistee, Inc.

II. AFFILIATIONS AND SAFETY

- A. <u>Affiliations:</u> Amistee, Inc. will perform their work in strict accordance with the National Air Duct Cleaners Association standard ACR-2021, and all other accredited standards and codes.
- B. <u>NADCA</u>: A NADCA certified ASCS (Air System Cleaning Specialist), CVI (Commercial Ventilation Inspector), or VSMR (Ventilation System Mold Remediator) will be onsite throughout the entire job as the Project Manager.
- C. <u>Safety Procedures:</u> At minimum, the Project Manager, has been trained for Confined Space Training (CST), Personal Protection Equipment (PPE), and Hazard Communications. The Contractor will provide all training and equipment necessary to meet or exceed these guidelines.

III. SPECIAL CONDITIONS

- A. <u>Measure of Payment:</u> Upon the submission of properly certified invoices and vouchers, the amounts stipulated below as compensation for services rendered shall become <u>due and payable upon completion</u>.
- B. Smoke Duct Detectors: We do ask that these detectors be placed in "test" mode during cleaning hours.



- C. <u>Schedule</u>: Cleaning to be done during regular business hours. Monday Saturday
- A. <u>DESCRIPTION</u>
 - 1. Supply Ductwork
 - 2. Return Air Ductwork
 - 3. Diffusers and/or Vents
 - 4. Dampers, Turning Vanes, and Components inside ductwork
 - 5. Coils, Blowers, and Air Components of (6) furnaces
 - 6. Antimicrobial/Deodorizing Applications (Benefect Decon 30/Metal Ductwork)

Price: \$6,200

Respectfully submitted,		
leff Kantola, ASCS, CVI, VSMR Amistee Air Duct Cleaning & Insulation		
Accepted:	Date:	
D O #:		



PROPOSAL OF SERVICES **DUCTZ Southeast Michigan Division DUCTZ North America, LLC** 36955 Amrhein Livonia, MI 48150

www.ductz.com

December 11, 2023

Attn: Adam VanTassell

Genoa Township Hall 2911 Dorr Road Brighton, MI 48116

RE: Proposal of Services - Cleaning and Restoration of HVAC Ductwork Systems. The DUCTZ Southeast MI Division thanks Genoa Township Hall for the opportunity to submit our proposal for cleaning and restoration of the ductwork located at 2911 Dorr Rd, Brighton, MI 48116.

Prior to submitting this proposal, DUCTZ performed a walk through with on 12-7-2023 with Adam VanTassell. This DUCTZ proposal integrates standards and guidelines from the National Air Duct Cleaners Association (NADCA), the Environmental Protection Agency (EPA) and the Indoor Air Quality Association (IAQA). Technicians holding a Certified Air Duct Cleaning Specialist (ASCS) designation certification conduct project oversight.

1.0 SCOPE OF WORK: Clean (6) – Up-Flow Forced Air Furnaces.

The system is shut down & locked during the cleaning process. All interior components including the evaporator coil, drain pan, blower wheel & housing, heating components, & fiberglass liner are HEPA vacuumed with contact vacuums rated at 99.97% arrestance to .3 microns & hand wiped. Steam cleaning is employed for evaporated coils, blower components, & drain pans. EPA recommendations are followed for unit cleaning. NOTE: Not all evaporated coils can be completely cleaned. However, DUCTZ uses best-effort practices. Note: All HVAC systems are shut down & locked during the cleaning process.

2.0 Clean all accessible supply air & return air ductwork along with diffusers/grilles.

Ducts are accessed through existing openings or fabricated openings by DUCTZ. These openings allow maximum closure strength & preserve structural integrity of the duct system. HEPA-filtered contact vacuuming is combined with aggressive cleaning methods using air whips, air sweeps, pneumatic driven brushes, & cable driven brushes. The cleaning is conducted with high-efficiency negative air machines that filter 99.97% of particles down to .3 microns to prevent crosscontamination & capture particulate. The process begins with mechanically dislodging debris from duct walls. Air velocity is maintained within the duct to transport particles to the collection device. Various pneumatic sweeping tools assist in particle movement. Diffusers/grilles will be hand washed. A Certified Air Duct Cleaning Specialist (ASCS) Technician will perform a visual inspection of all ductwork after being cleaned to ensure it was cleaned properly to the standard and verified by digital phot documentation in a DUCTZ Picture Perfect Standard Report. All work areas will be protected prior to work being performed.

3.0 SAFETY

DUCTZ is trained in lock-out/tag-out, MSDS, hazardous communications, safety, respirators, ladders, and other job-related issues. DUCTZ® safety program manual is available to you upon request. We recommend pre-informing all building occupants when remediation will occur. Odor problems within a facility cannot always be eliminated. However, they are generally reduced when the HVAC unit or duct system is the cause. Security systems and/or protocols may be altered while performing our service. When alternative systems are needed due to these criteria, it will be the owners, owner's representative or contracting agent's responsibility to coordinate

4.0 INDEMNITY

GENOA TOWNSHIP HALL agrees that DUCTZ is not a generator of contamination, pollutants, toxins and hazardous substances. GENOA TOWNSHIP HALL also agrees that there is no warranty or guarantee by DUCTZ either expressed or implied that the air conditioning system(s), air, water (portable, ground/surface), soil, building, interior furnishings (including plants) and process equipment, is free from all toxins, contaminates (including biological growth), or hazardous materials and substances that have been determined by proper authorities are detrimental to the safety or health and welfare of human and animal populations and the environment.

5.0 CONDITIONS OF WORK

DUCTZ is not responsible for any pre-existing damage to the ductwork. There is always the possibility of pre-existing rust or sheet metal breaches. DUCTZ will notify GENOA TOWNSHIP HALL if any damage is discovered.

6.0 RESPONSIBILITIES

GENOA TOWNSHIP HALL shall provide, or arrange for, access to all building interior & all HVAC Systems equipment during normal working hours, or hours as agreed by Genoa Township Hall or the Facility.

7.0 CHANGE ORDERS

Substantial deviations from the original, agreed-upon scope of work described in this proposal, time frame, price or method of payment, or other substantive provision of the contract, will be documented in a written change order requests that details the deviation. No change order work will be undertaken without the express written authorization of GENOA TOWNSHIP HALL.

8.0 CONFIDENTIALITY

DUCTZ agrees to retain all non-public information obtained from Genoa Township Hall or as confidential and agrees not to release or discuss any of such information unless we have received prior consent of Genoa Township Hall or is otherwise forced, compelled, or required to disclose this information by operation of law or applicable government authority.

9.0 PRICING AND SCHEDULE

This job will be conducted under 1st shift business hours unless otherwise agreed to. The terms set forth in this proposal are valid through June 30, 2024. Payment terms are Net 30 days from invoice date. Provision has not been made for sales or service taxes if applicable in Michigan. DUCTZ is prepared to begin work within ten (10) days of written notice to proceed or as scheduled by GENOA TOWNSHIP HALL.

Pricing & Scope of work:

- Clean all accessible supply air and return air ductwork.
- Remove and hand wash all accessible supply diffusers & return air grilles.
- Clean (6) Up-Flow Forced Air Furnaces. Furnace cavities will be wiped cleaned and vacuumed.
- 15'-17' Electric Scissor Lift Rental.
- Cover contents as needed. Desk, chairs, countertops, cabinets, computers and copy machines.
- Provide before and after picture report.

Note: Work will be done on the weekend and should be completed in 2-days.

Price \$8,500.00

Should you have any questions regarding this proposal, please feel free to contact me at any time.

734-309-8935
Respectfully submitted,
Ductz of Southeast Michigan

Duncan Hogg		
Duncan Hogg		
Account Manager		
734-300-8035		

The work of DUCTZ Southeast Michigan and any resulting reports will be prepared on behalf of and for the exclusive use of GENOA TOWNSHIP HALL. This proposal may be accepted by (a) issuance of a Purchase Order or (b) a written or electronic acceptance or (c) a subcontract acknowledging the scope of work contained herein (d) Signature and date below.

GENOA TOWNSHIP HALL	
Authorized Representative	Date signed
Printed Name	





info@877daltons.com PO Box 379 Whitmore Lake, MI 48189

NAME / ADDRESS Genoa Township Adam VanTassel 2911 Dorr Rd Brighton Mi

Estimate

DATE	ESTIMATE NO.		
1/29/2024	4081		



NADCA Certification #10960346 HVAC License #7115496

ITEM	DESCRIPTION	APRX. SO	Q. FT.	Job Date	TOTAL
Duct Cleaning esti	Cleaning all supply & return ductwork. Dalton follows the NADCA standard of "total source removal" cleaning. Total source removal cleaning is a 2 part process of breaking debris/contaminants loose and collection of the debris/contaminants. We use a custom duct cleaning truck to place the HVAC system under continuous negative pressure (vacuum) to collect contaminants. The vacuum is attached to the system by cutting a 10"diameter access hole. The agitation process is done by using a variety of tools including air whips, brushes, and skipper balls that are inserted into system via 1" access holes. The tools are powered by over 250 lbs of compressed air to effectively remove the dirt and debris from the HVAC system. The entire HVAC system is accessed and thoroughly cleaned by using this 2 step process. Access will be tightly sealed with sheet metal plates foil taped & cap plugs. All registers and diffusers are included in the cleaning along with some components of furnace.	110000sqft./ handlers	6 air		5,750.00
Antimicrobial	(OPTIONAL) Kills mold, mildew, bacteria and also deodorizes.				600.00
Please call to set you	r appointment.		TO	TAL	\$6,350.00

www.daltonenvironmentalcleaning.com "BREATHE THE DIFFERENCE"

Phone #	Phone # Fax # E-mail		Web Site		
7344491900	734-449-1909	info@877daltons.com	www.daltonenvironmentalcleaning		

Board Correspondence

