

27629 HAGGERTY ROAD – HEFCO JSP24-22

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Public Hearing at the request of Hefco Haggerty LLC for Preliminary Site Plan, Woodland Permit, and Stormwater Management Plan approval to build a speculative (SPEC) building. The subject parcel is zoned OST, Office Service and Technology and is located south of Twelve Mile Road, on the west side of Haggerty Road. The applicant is proposing to construct a 37,925 square foot building on 9.47 acres of land with wetland mitigation proposed at the rear of the property by the Sheetz development that is proposed at the corner of Twelve Mile and Haggerty Road.

Required Action

Approve/Deny the Preliminary Site Plan, Woodland Permit, and Stormwater Management Plan.

REVIEW	RESULT	DATE	COMMENTS
Planning	Contingent Approval Recommended	02.26.25	A temporary construction easement and access easement are likely required for monitoring and maintenance of the Sheetz wetland mitigation area. Conservation easements for the wetland mitigation area and woodland replacement tree area should be depicted on all applicable sheets across the plan set.
Engineering	Approval Recommended	10.31.24	Items to be addressed at Final Site Plan submittal
Landscape	Approval Recommended	02.25.25	Items to be addressed at Final Site Plan submittal
Woodland/ Wetland	Approval Recommended	10.29.24	A Woodland Permit is required for the removal of 3 regulated trees, requiring 10 replacement trees. A Minor Wetland Permit is also required.
Traffic	Approval Recommended	10.30.24	Items to be addressed at Final Site Plan submittal
Façade	Approval Recommended	10.24.24	Full compliance with the façade ordinance
Fire	Contingent Approval Recommended	10.21.24	A secondary access point is required to provide safe ingress and egress – provided

MOTION SHEET:

<u>Approval – Preliminary Site Plan</u>

In the matter of 27629 Haggerty Road – HEFCO JSP24-22, motion to approve the Preliminary Site Plan based on and subject to the following:

- a. The findings of compliance with Ordinance standards in the staff and consultant review letters and the conditions and the items listed in those letters being addressed on the Final Site Plan;
- b. (additional conditions here, if any)

(This motion is made because the plan is otherwise in compliance with Article 3, Article 4, and Article 5 of the Zoning Ordinance and all other applicable provisions of the Ordinance.)

- AND -

Approval – Woodland Permit

In the matter of 27629 Haggerty Road – HEFCO JSP24-22, motion to approve the Woodland Permit based on and subject to the following:

- a. The findings of compliance with Ordinance standards in the staff and consultant review letters, and the conditions and items listed in those letters being addressed on the Final Site Plan; and
- b. (additional conditions here if any)

(This motion is made because the plan is otherwise in compliance with Chapter 37 of the Code of Ordinances and all other applicable provisions of the Ordinance.)

- AND -

<u>Approval – Stormwater Management Plan</u>

In the matter 27629 Haggerty Road – HEFCO JSP24-22, motion to approve the Stormwater Management Plan based on and subject to the following:

- a. The findings of compliance with Ordinance standards in the staff and consultant review letters, and the conditions and items listed in those letters being addressed on the Final Site Plan; and
- b. (additional conditions here if any)

(This motion is made because the plan is otherwise in compliance with Chapter 11 of the Code of Ordinances and all other applicable provisions of the Ordinance.

- OR -

Denial - Preliminary Site Plan

In the matter of 27629 Haggerty Road – HEFCO JSP24-22, motion to deny the Preliminary Site Plan... (because the plan is not in compliance with Article 3, Article 4, and Article 5 of the Zoning Ordinance and all other applicable provisions of the Ordinance.)

- AND -

Denial - Woodland Permit

In the matter of 27629 Haggerty Road – HEFCO JSP24-22, motion to deny the Woodland Permit... (because the plan is not in compliance with Chapter 37 of the Code of Ordinances and all other applicable provisions of the Ordinance.)

- AND -

<u>Denial – Stormwater Management Plan</u>

In the matter of 27629 Haggerty Road – HEFCO JSP24-22, motion to deny the Stormwater Management Plan... (because the plan is not in compliance with Chapter 11 of the Code of Ordinances and all other applicable provisions of the Ordinance.)

MAPS Location Zoning Future Land Use **Natural Features**

B City of Novi Section 12 Subject Area Iwelve Mile Rd **Legend** elly of Fermington Hills Haggerty Road 27629 Haggerty Road – HEFCO LOCATION SUBJECT PROPERTY

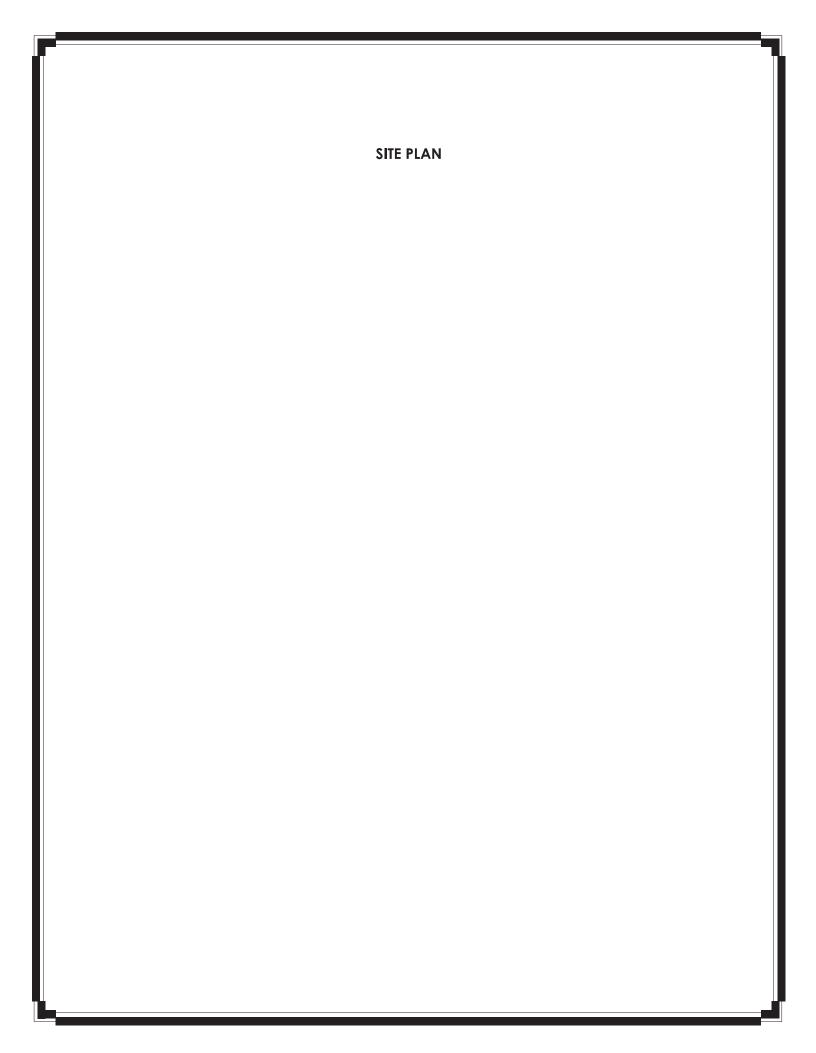
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Dept. of Community Developme City Hall / Civic Center 45175 W Ten Mile Rd Novi, MI 48375 наддецу Rd City of Novi 1 B-2: Community Business District OST: Office Service Technology B-3: General Business District Subject Area Twelve Mile Rd Legend elity of Learmington Hills Haggerty Road 27629 Haggerty Road – HEFCO B-3 Twelve Mile Road SUBJECT PROPERTY ZONING OST OST B-2

Office, Research, Development and Technology Dept. of Community Developm City Hall / Civic Center 45175 W Ten Mile Rd Novi, MI 48375 н<mark>адде</mark>цу ва City of Novi Community Commercial Section 13 Subject Area Twelve Mile Rd **Legend** elliH noterimination (tile Haggerty Road 27629 Haggerty Road – HEFCO OFFICE, RESEARCH, DEVELOPMENT AND TECHNOLOGY COMMUNITY COMMERCIAL rwelve Mile Road **FUTURE LAND USE** SUBJECT PROPERTY

1 City of Novi Subject Area Woodlands Wetlands Iwelve Mile Rd **Legend** elli noigalmist lo viio Haggerty Road 27629 Haggerty Road – HEFCO NATURAL FEATURES

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PROPERTY DESCRIPTION PER SURVEY BY BOSS ENGINEERING, JOB NO. 2–98017, DATED 7–8–98, LAST REVISED 10–26–98

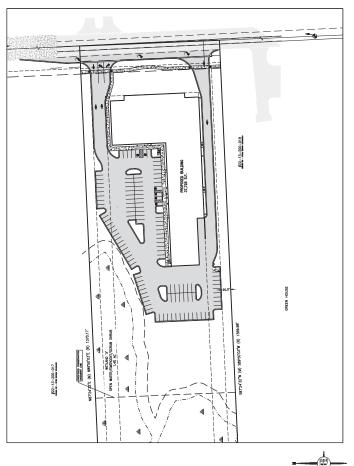
The of the Northward 1, 4 of Selding 1, 311-19-82, De de Viele, Cabindo County, Michael Programs 1, 4 of Selding 1, 311-19-82, De de Viele, Cabindo County, Michael Programs 2, 2 of Selding 1, 3 of Selding 1

- BEARINGS ARE BASED ON MICHIGAN STATE PLANE COORDINATE SYSTEM, SOUTH ZONE, RECORD BEARINGS ARE FROM A PREVIOUS SURVEY BY BOSE PROJECT OF 1-98. LAST REVISED 10-27-98.
- SUBSURFACE UTILITIES NOT LOCATED FOR THIS SURVEY MAY EXIST. IT IS THE RESPONSIBILITY OF THE OWNER OF THE RESPECTIVE UTILITY TO TAXOLANTELY LOCATE SIGH UTILITIES.
- EASEMENTS OR RESTRICTIONS OF RECORD NOT DEPICTED ON THIS DRAWING MAY EXIST.
- TREE INVENTORY WAS COMPLETED BY BOSS ENGINEERING ON SEPTEMBER 29, 2023
- WETLANDS WERE FLAGGED BY BARR ENGINEERING ON SEPTEMBER 7, 2023.
 THEY WERE FIELD LOCATED BY BOSS ENGINEERING ON SEPTEMBER 15, 18 & 21, 2023.

 - ELEVATIONS WERE ESTABLISHED WITH GPS. (NAVID88 DATUM).

PRELIMINARY SITE PLAN

PART OF NE QUARTER, SECTION 13 CITY OF NOVI, OAKLAND COUNTY, MI HEFCO HAGGERTY LLC



ANDSCAPE PLAN
ANDSCAPE PLAN
ANDSCAPE PLAN
STORM WATER MANAGEMENT PLAN
(S) TREANMENT STRUCTURE DETAILS
SANITARY SEWER EXTENSION PLAN & PROFILE

SITE PLAN
DRIVE APPROACH SIGHT DISTANCE PLAN
GRADING & DRAINAGE PLAN
SOIL EROSION & SEDIMENTATION PLAN

COVER SHEET
GENERAL NOTES & LEGEND
EXISTING CONDITIONS
DEMOLITION PLAN DESCRIPTION

SHEET NO.

LOCATION MAP

NO SCALE SHEET INDEX

OVERALL SITE MAP NO SCALE

GENCY	DATE SUBMITTED	DATE APPROVED
 CITY ENGINEERING APPROVAL 		1
OCWRC	1	ı
RCOC	1	ı
SESC	1	1
NPDES SESC NOC	1	1
EGLE - ACT 399	1	1
EGLE - PART 41	1	1
EGLE - WETLAND	5/30/2024	10/4/2024

PREPARED FOR:

1564 HENRIETTA BIRMINGHAN, MI 48009 CONTACT: HOWARD FRIEDLAENDER PHONE: 248-977.7212 EMAIL: HOWARD@HEFCOPROPERTIES.COM HEFCO HAGGERTY LLC



COVER SHEET
FROM FACE FROM NORTH (RENDERING)
FROM FACE (RENDERING)
FROM FACE (RENDERING)
GROUND FLOCE FROM
OVERALL ELEMATIONS
OVERALL ELEMATIONS
OVERALL ELEMATIONS
WERRING FROM FLOCE FROM
MATRIAL ELEMATIONS
OVERALL ELEMATIONS
OVERALL ELEMATIONS
OVERALL ELEMATIONS
OVERALL ELEMATIONS
OFFICE THATIONS
OFF

ARCHITECTURAL PLANS - BY OTHERS (OX STUDIO)

LIGHTING PLANS - BY OTHERS (GASSER BUSH)

MOOT SIDEWALK DETAILS STORM SEWER & PAVING DETAILS WATERNAIN DETAILS SANTARY SEWER & WATERNAIN DETAILS SESC DETAILS

Englane Surger Hammer Langua et eller Aller Hammer Langua et eller Aller Hower, Mr. 48843 Hower, Mr. 48844 H

FOR SITE PLAN APPROVAL ONLY!
NOT FOR CONSTRUCTION

INDEMNIFICATION STATEMENT
THE COMPACTOR SHALL HOLD HARMESS THE DESIGN PROFESSIONAL, MUNICIPALITY, COUNTY,
THE COMPACTOR SHALL HOLD HARMESS THE DESIGN PROPARTE THIOT COMPANIES, AND
LANDOWNERS FOR DAMAGES TO INMOTULAL SHAD PROPERTY, REAL, OR OTHERMISE, DUE TO
THE OPERATIONS OF THE CONTRACTOR AND/OR THER SUBCOMPRACTORS.

ENGINEERING SITS E GRAUD RIVER AVE HOWELL, MI. 48843 SIZS 46, 4836 F FZ XZ 546, 1670 GENERAL NOTES & LEGEND SCALE: NO SCALE JOB NO: 22-455 DATE: 05/16/2024 HEFCO HAGGERTY LLC HEFCO HAGGERTY LLC AMERICA (EXEMPO) SWITHER WASH (EXEMPO) CHARLE BASH (EXEMPO) CHARLE BASH (EXEMPO) STORM WANNOLL (FROESTING) STORM WANNOLL (FROESTING) BIO SECTION (FROESTING) SWITHER WASHOLL (FROESTING) SWITHER WASHO Annual Control Co SOIL EROSION CONTROL MEASURE (P=PERMANENT, T=TEMPORARY) SYMBOL LEGEND JANOPY MOUNTED LIGHT FIXTURE SNGLE FXTURE LIGHT FXTURE WALL MOUNTED LIGHT FXTURE HIGH STRENGTH CONCRETE DOUBLE FIXTURE LIGHT POLE HIGH STRENGTH ASPHALT GROUND LIGHT FIXTURE FOOT CANDLES ON SITE SANITARY SEWER LABEL FOOT CANDLES OFF SITE STORM SENER LABEL WATER MAIN LABEL LINES & HATCHES LEGEND GHTING LEGEND PROPOSED GRASSES & PERENNIALS PROPOSED LANDSCAPE BOULDER PROPOSED DECIDIOUS SHRUBS EXISTING (EX) PROPOSED ORNAMENTAL TREE TREE EXISTING DECIDIOUS TREE EXISTING 7 D: 0 March Tool Example PAGE LIVINGSTON COUNTY RECOF MEASURED AND RECORD POINT OF BEGINNING PROPOSED (PR) LANDSCAPE LEGEND ABBREVIATIONS (m) PROPOSED (**5 6 6 7** PROPOSED TREE EXISTING CONFER TREE CONFER TREE SEED SOO WATERWAN SHALL BE INSTALLED WITH A MINIMUM OF 5,5' OF COVER FROM FINISHED GRADE TO TOP OF PIPE. AND NO MORE THAN 8' OF COVER, UNLESS SPECIAL CONDITIONS WARRANT. A MAXIMUM OF 12" OF GRADE ADJUSTIVENT RINGS SHALL BE USED TO ADJUST THE FRAME ELEVATION, BUTYL. ROPE SHALL BE USED BETWEEN EACH ADJUSTIVENT RING. AL STORM PIPE LENGTHS ARE SHOWN FROM c/L TO c/L OF STRUCTURE OR FROM c/L OF STRUCTURE TO DISCHARGE BUD OF FLARED END SECTION. FLARED BND SECTIONS DISCHARGING STORM WATER SHALL RECEIVE A MINIMUM OF 10 SQ YES OF PLAN WASHELSTONE RPF RAP WITH A MINIMUM STONE SZE OF 6" AND SHALL RE PLACED ON A GEOTEXTILE PARR WASH. MANGLES SYML BE CONSTRUCTED WITH FLOW CHANNEL WALLS THAT ARE FORMER, AT A MINIMUM, TO THE SPRINGLINE OF THE PPE. WHERRIER AN EXISTING MANHOLE IS TO BE TAPPED, THE STRUCTURE SHALL BE CORED AND A KOR-IN-SEAL BOOT UTILIZED FOR THE PIPE CONNECTION. BACKFIL SHALL BE OF A SUITABLE MATERIAL AND SHALL BE FREE OF ANY ORGANIC MATERIALS AND ROCKS ALL NEW MAWHOLES SHALL HAVE AN APPROVED FLEXIBLE, WATERTICHT SEALS WHERE PIPES PASS THROUGH WATHOLE WALLS. ALL PIC SOR SANTAY SENER PIPE SHALL MEET THE REQUIREMENTS OF ASTA DOOSA AND D2241, PVC MEET OF PIPE SHALL MEET THE REQUIREMENTS OF ASTA D1785, GASKET JOINTS FOR SANTARY PIPE SHALL SEET THE REQUIREMENTS OF ASTA D3138 AND D2212. WHERE UNSTABLE GROUND CONDITIONS ARE ENCOUNTERED, STONE BEDDING SHALL BE USED AS DIRECTED THE ENGINEER. Movement, after the Fig. State, If the Opension Author and TOT AND TOTAL AND THE AND T ALL MANHOLES SHALL BE PROVIDED WITH WATERTIGHT COVERS, COVERS TO BE EJCD 1040 TIPE 'N' SOLID COVER. FRE HYDRANTS SHALL BE NSTALLD WITH AN AUXILMEY VALVE WITH CAST RON VALVE BOX, THE HYDRANT POUNTER HOSE CONNECTION SHALL FACE THE ROADWAY. THE BECKNAWN FAMCE AND ALL BELOW GRACE FITHINGS SHALL HAVE STANLESS STEEL NATS AND BOLTS. 2. STINN PPE WITHOUS SHALL BE AS FIGURES 11. GAPPIN DIMEL AN BRIEFS HOUSE BIT THE REQUIREMENTS OF ASTU CHE WITH MODIFIED BIT OF ASSUT WAS AN AS CALLED DUT ON THE PLANE. 12. DATHER ROW (CLASS 94) ALL CATCH BASINS WITHIN THE ROADWAY SHALL INCLUDE INSTALLATION OF 6" DIAMETER PERFORATED PIPE SUBDIONAL ALL NEW WANDLES SHALL BE MINIMUM 4" DIAMETER, PRECAST WANHOLE SECTIONS AND AN ECCENTRIC COME, PRECAST WANHOLE JOINTS SHALL BE INSTALLED WITH BUTT, ROPE MEETING THE REQUIREMENTS OF SEXU CORO. WATERMANS SHALL BE DISNYECTED IN ACCORDANCE WITH AWAN C651. BUC-T SAMPLES SHALL BE TAKEN ACORDANCE WITH R235.11.10 OF THE LAMBINSTRATINE RULES PROMULGATED UNDER MICHIGAN SAFE. PRINKEN WATER ACT, 1976 PA 394, NS AMENDED. A FULL STICK OF PIPE SHALL BE LAID CENTERED AT A PIPE CROSSING IN ORDER TO MAINTAN THE MAX SEPARATION OF WATERMAIN JOINT TO THE CROSSING PIPE. 15" MINIMA RETRUCK SEPARATION AND 10" HORIZOTHIC SEPARATION IS 7" DIEL MANTIMACED BETWEED WITHOUT STATEMEN AND SMATIMATY STORM SEWER 10" THE MANIMAL DETENT POSSIBLE. NOUMBERTE DANIE DANIEL, (BOOT SAND CLASS II) SHALL BE PROVIDED FOR ALL UITHES WITHIN THE MONUMENT OF PARED MEEL. MARSS SHALL BE OF The FOLLOWING (R. APPOPCE) EDUAL); TOBS THEY NET THE SHALL THE SHAL ALLOWABLE LEAKAGE OR HYDROSTATIC PRESSURE TESTING SHALL BE IN ACCORDANCE WITH AWAY C800 C605. MAXMUM DEFLECTION AT PIPE JOHTS SHALL BE IN ACCORDANCE WITH PIPE MANUFACTURERS CURRENT RECOMMENDATIONS AND AWMA SPECIFICATIONS. STORW PPE JOINTS SHALL MEET THE REQUIREMENTS OF ASTM D3212. HOPE AND PP PIPE GASKETS MEET THE REQUIREMENTS OF ASTM F477. ALL STORM PIPE TO HAVE WATERTIGHT PREMIUM JOINTS, UNLESS OTHERWISE NOTED ON THE PLANS. STORM DRAIMAGE STRUCTURES SHALL BE FURNISHED WITH STEPS WHICH SHALL BE STED, ENCASED POLYPROPYLENE PLASTIC OR EQUIVALENT, STEPS SHALL BE SET AT 16" CENTER TO CENTER. SANTARY 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. WATERMAN VALVES SHALL BE IRON BODY RESILIENT WEDGE GATE VALVES, NON-RISNG STEMS, COUNTERCLOCKRISE OPEN, AWMA C509. ALL SANITARY PIPE LENGTHS ARE SHOWN FROM C/L OF STRUCTURE TO C/L OF STRUCTURE. ALL FLARED END SECTIONS 15" AND LARGER SHALL BE FURNISHED WITH AN ANIMAL GRATE. PUBLIC SANITARY SEWER SHALL BE CENTERED WITHIN A 20 FOOT WIDE SANITARY CLEANOUTS SHALL BE INSTALLED EVERY 100", AT ALL BENDS AND STUBS. WATERMAIN FITTINGS SHALL BE OF DUCTILE IRON WITH CEMENT MORTAR CONFORMING TO AWAR C110. 11. SANTARY SEWER LATERALS SHALL HAVE A MINIMUM SLOPE OF 1.0%. WATERWAN PIPE MATERIALS SHALL BE AS FOLLOWS: LI. D.I.P. CONFORMING TO ANSI AZI.51 (AWMA C301) CONCRETE CONFORMING TO AWMA C301. LINED CYCINDER TYPE

SANTARY PIPE MATERIALS SHALL BE AS FOLLOWS:
PAC SOR-28 (SANTIARY MAN)
PAC SOR-23.6 (SANTARY LEADS)
DJAP ANSI 21.51 (FORCE MANS)

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GENERAL SANITARY NOTES

GENERAL STORM NOTES

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GENERAL UTILITY NOTES

SENERAL GRADING & SESC NOTES

THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL REQUIRED TOWNSHIP, COUNTY, AND STATE OF MICHOAN PERAITS.

GENERAL WATERMAIN NOTES

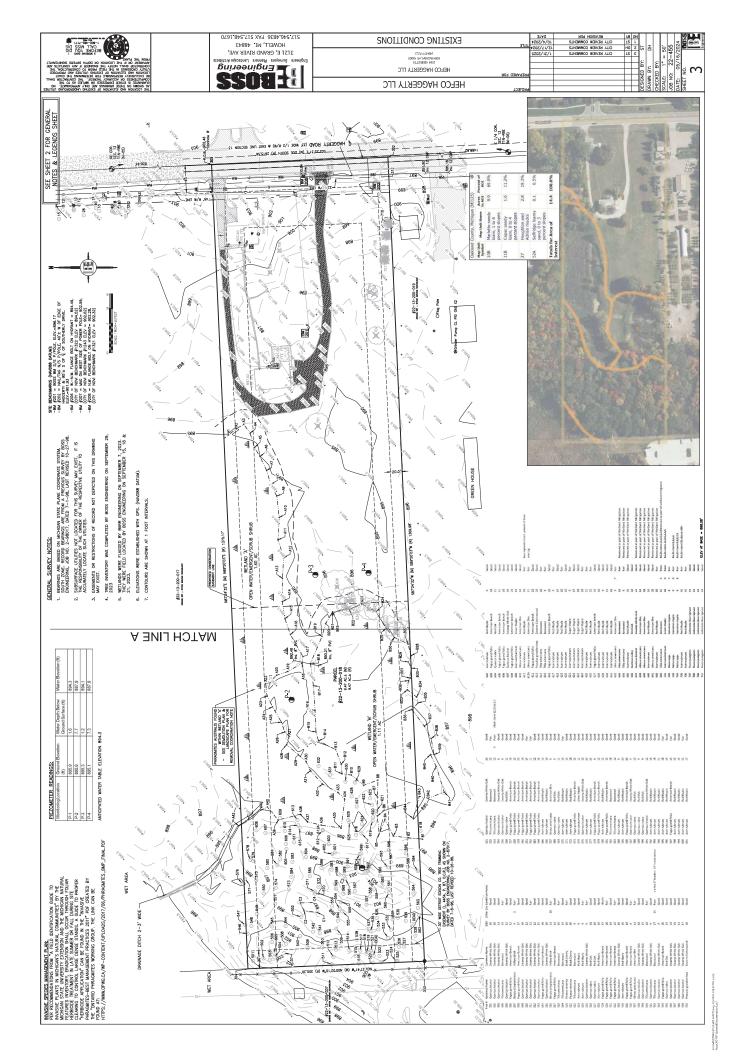
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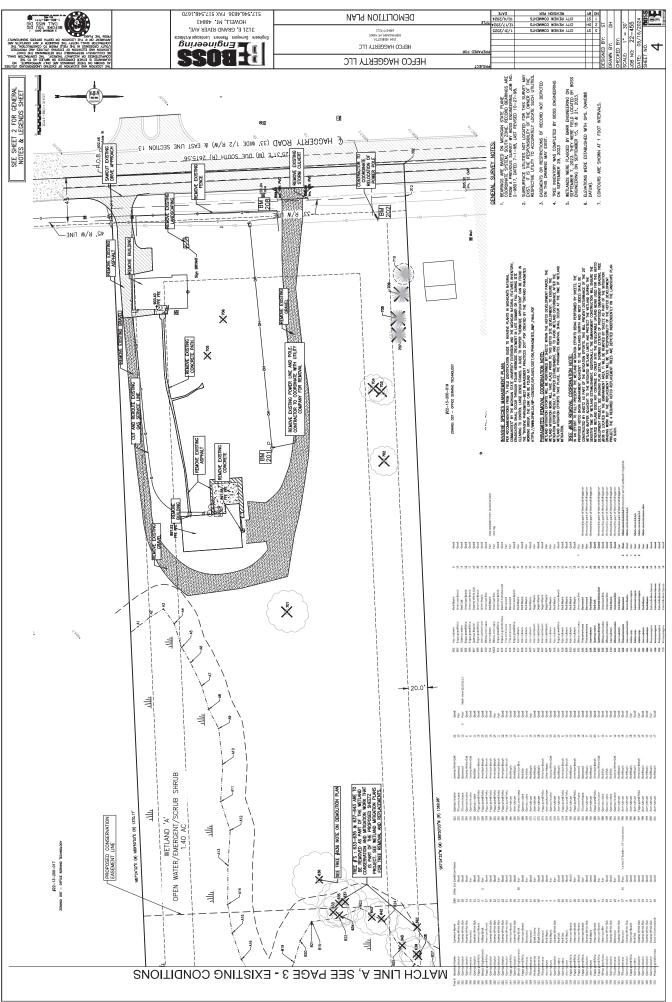
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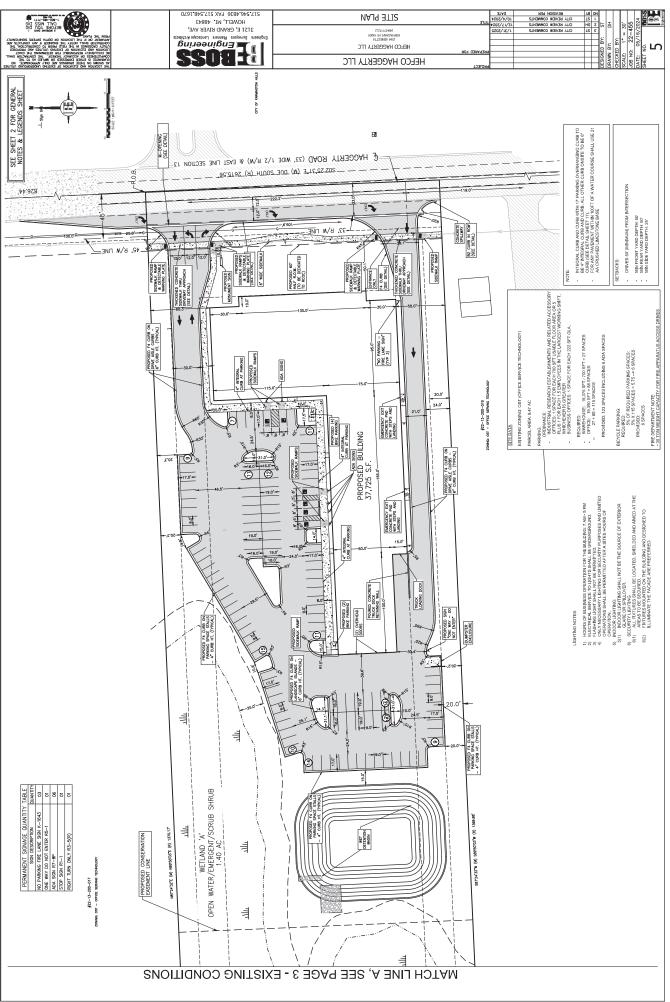
ALL AREAS OF THE SITE THAT RECOME DISTURBED DURING CONSTRUCTION AND ARE NOT TO BE PAVED, STONED, LANDSCAPED, OR SODDED SHALL BE SEEDED AND MULCHED. IT IS THE RESPONSIBILITY OF THE CONFINCTOR TO VERIEY THE LOCATION OF ALL UTILITIES AND TO INFORM THE LANDSCAPE ARCHITECT OF ANY CONFLICTS PRIOR TO COMMENCING LANDSCAPING. LAL PART WITHOUT SHALL CHONON THE REQUIREMENT ON DESCRIPTION OF THE CONSEMBLE PROPERTY OF THE CONSEMBLE PROPERTY. ALL LANGSOME BEDS, UNLESS OTHERWISE NOTED SHALL BE INSTALLED OVER WEED BARRERF FABRIC — WATER PERSEASE ETTENDIN FABRIC OF MANAWORN POLYPROPRIBLE OR POLYESTER FABRIC FABRIC SHALL BE OF SUTMALE THROUGES FOR APPLIATION. ALL PLANTS AND PLANT BEDS SHALL BE THOROUGHLY WATERED UPON COMPLETION OF PLANTING AND STAKING OPERATIONS. DEDORG, PSECRED, SAML RE PROVED FOR ALL LANGESPE REBY AND ALACHOR CREEKEN, LIDERA, PSECRED, SAML RE BLACK ALLANIUM EDORG, YEE-HIGH X 4-HOH. HISTAL ER WHATATURER'S RISRUCTIONS, ALL EDDIRG SAML RE NOTALED IN STRAIGHT UNIS OR SMOOTH CLIRKES WHATATURE TREATMENT RESULABILIS. LESST NORS, THE LORGES, MELL ROUTE, THE PROPERTY OF A RELY OF A BEND OF A RELY OF A RELY OF A AT THE OF PARTICULAR TO A RELY OF A RELY O IT IS THE RESPONSELLIY OF THE CONTINUCION TO ESTABLISM A LEDREE LAWN OF PERMANDITI GABLESSE, THEE SOST UND WAS USED THE WAY FRAULY WAITIED TO THE SOST WAS THEN AN PERSON OF 1 MACHY SHALL ES, REPLACED BY THE CONTINUCION, AT NO COST TO THE THE RISE TERRILIZES APPLICATION SPALL BE AT A RATE OF TO LISE FOR 1000 SO FT OF BLUK FERMILIZES. TO THE REPRESENCE AND PROFESSIONES, AND PART OF THE BLUK THAN TO RESOURCE, WHERE OF THE BLUK THAN TO RESOURCE, AND PART OF THE BLUK THAN TO RESOURCE, SPRING THE BLUK THAN TO RESOURCE, STEELENDER, DESCRIPTION OF THE BLUK THAN TO RESOURCE, STEELENDER, DAVIOR TO THE BLUK THAN TO THOSE WAS AND THE STEELENDER. DAVIOR TO THE STEELENDER, DAVIOR TO THE STEELENDER, DAVIOR TO THE STEELENDER. 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 CONTRUCTOR SHALL DURANTER ALP PART MATERIALS FOR A PERIOD OF 1 1704 FROM THE DATE THE CONTRUCTOR SHALL ENDACE, WHINDING AND CONTROL OF CONTROL OF CONTROL SHALL ENDACE, WHINDING COST OT INC OWNER, WHIN AN OWENEN THE SHALL OF LANDER, AND AND AND COST OT THE CONTROL AND ENDACED THE SHALL OF LANDER, AND THE DATE OF CONTROL THE CONTROL THE CONTROL AND CONTROL THE DATE OF CONTROL AND CONTROL THE DATE OF CONTROL AND CONTROL THE DATE OF CONTROL AND C AT THE CLOSE OF EACH WORKING DAY, ALL DRAWAGE STRUCTURES SHALL BE FREE OF DRIT AND DEBRIS AT THE FLOW LINE. 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. ALL PANT BED MATERIALS SHALL BE EXCHANTED OF ALL BILLDING WITEMAS, OTHER EXTRANEGUS GRECTS, AND FORCES SIGNS TO A MINIMUM DEPTH OF 12-INCHES AND BACKFLLED TO GRADE WITH SPECFED PLANTING WAS GREEN WITH SPECFED PLANTING WAS GREEN WAS AND BELL STATEMENT OF THE SPECFED PLANTING WAS GREEN WAS AND THE SPECFED PLANTING WAS GREEN WAS GREEN WAS AND THE SPECFED PLANTING WAS GREEN WAS ALL ROOTS, STIAMPS AND OTHER OBJECTIONMBLE MATERIALS SHALL BE REMONDO AND THE HOLE BACKFILED WITH SUMMEL MATERIAL, WHE ORDOLE ORGESTION IS REQUIRED, THE SUBGRADE SHALL BE CUT TO COMPENSAL TO THE GANSS-SECTION AS SHOWN IN THE PLANS. LANDSCAPE STONE SHALL BE INSTALLED WHERE NOTED OR INDICATED (HATCHED). STONE SHALL BE $54.4^{\circ}-1.4^{\circ}$ installed frore Gravel. Or as selected and shall be not animulae defined the "stander". ALL AREAS OF THE SITE SCHIZULID FOR SEEDING OR SCHOOLS SHALL FREST RECEIVE. A 6-NEXT LAYER OF TLASH, FRANKE TOPSOLL. THE SOLL SHALL BE DISCED AND SHALL RES ORNED IN CONFIDENMENTER WITH THE DISCED AND SHALL BE ORNED IN CONFIDENMENTER WITH THE ACTUAL FIELD CONDITIONS MAY DICTATE ADDITIONAL OR ALTERNATE SOIL EROSION CONTROL MEASURES BE MULTILLY THE EMBERGE OF ANY DEPENDENCES OR FIELD CONDITIONS THAT MERRORY ADDITIONAL AND/OR ALTERNATIVE SESS MESSIFES BE UTILIZED. AT THE CLOSE OF EACH DAY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING ALL CONSTRUCTION OPERATIONS, MATERIALS, DEBRS, ETC ARE CONTRAINED ON—SITE. PLANTING MICHTE SHALL CONSST OF 5 PARTS TOPSOIL FROM ON-SITE (AS APPROVED), 4 PARTS COARSE SAN, 1 PART APPROVED DONDSOT, AND 5 LES OF SEPRENDENHY REFILIZER PER CUI. YO, OF MIX, MIXERIDENTS SHALL BE THOROUGHLY BLADED FOR UNITORAL COASSITURY. THE CONTRICTOR PALL WINE IN PLACE, MECRIBED TREATED CONTROL METROS AS INDICATED ON THE CONTRICTOR PLACE, AND AS TRUNKED BY GENERAL SECTION WHAN, METRODS AND SECURITY OF CONSTRUCTION PLACE AND AS TRUNKED AND SECURITY OF CONSTRUCTION WHAN WEIGHT AND THE MEDICAL BROSON CONTROL WEIGHTS SE REIZED. THE CONTROL CONTROL WEIGHTS SHALL ESPACED AND THE STORE OF WARM. THE SOIL EROSION CONTROL MEASURES SHALL BE KEPT IN PLACE UNTIL SUCH A TIME THE SITE IS DETERMINED TO BE ESTABLISHED WITH ACCEPTABLE AMOUNT OF VEGETATIVE GROUND COVER. all areas disturbed by the confractor beyond the normal construction lamts of the project small be sodded or seeded as specified or directed by the engineer. ALL EXCHANGION UNERFOR WHIRE 3 STET OF PRELIC WANDERF, DISSTING OR PROPOSED SHALL BE MEMORILLED AND COMPACTED WITH SHAD (MOOT CLASS I). If DEWANDERMOR SAFINDERFOR DEMOCRATICED DIRECT CONSTRUCTION, THEN A DEWATERNE PLAN MUST SHEMITTED TO THE DEMOCRATICE OF REVOKING THE REVIEW. THE ABOVE SEED MIXTURE SHALL BE SOWN AT A RATE OF 280 LBS PER ACRE. PROR TO SEEDING, THE TOPSOIL SHALL BE FERTILIZED WITH A COMMERCIAL FERTILIZER WITH A 10-0-10 AWALYSIS: ALL GRADING IN THE PLANS SHALL BE DONE AS PART OF THIS CONTRACT. ALL DELETERIOUS MATERIAL BE REMOVED FROM THE SUBGRADE PRIOR TO COMPACTING. AFTER REMOVAL OF TOPSOIL, THE SUBGRADE SHALL BE COMPACTED TO 95% OF ITS UNIT WEIGHT. 10% NTROGEN - MN 25% FROM A UREA FORMALDEHYDE SOURCE 0. % PHOSPHATE 10% POTASH - SOURCE POTASSIUM SULFATE OR POTASSIUM NITRATE SED MOTHE SHALL BE AS FOLLOWS: WATCHO'R BLUCKASS (CHOGGS A VAMERIES — AGENH, RIUGHY, GLADE, O'R PARADE) RUBY RED OR DAWSON RED FINE FESCUE PRANTINE PERSONE PENNINE, PERENNIAL RYE GENERAL LANDSCAPE NOTES THE COMPACTOR IS RESPONSED FOR HANNING FOR HANNING CONTINUEND HANS, WITH THE CUTST PERSONNEL DIE, ON SITE ROOF TO THE STAFF OF CORFINCTION, IN THE EVENT OF ANY GLESTIONS OPPORTANCE THE WITHOUT OF THE CONSTRUCTION, AND AND STAFFOLOUS, THE CONTINUEND SHALL CONTINUENT THE DESIGN EXAMELTER TOR A TIME, DETERMENTION FROM THE DESIGN EXHIBITS. COORDINATION OF TESTING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND PER ALL COTYTORNAP/COUNTY REQUIREMENTS. COPIES OF ALL TEST REPORTS SHALL BE FURNISHED TO THE DESIGN PERIORISER. SOIL BORING LOGS ARE REPRESENTATIVE OF SPECIFIC POINTS ON THE PROJECT SITE, AND IF PROVIDE TO THE CONTRACTOR ARE FOR INFORMATIONAL PURPOSES ONLY. THE CONTRACTOR SHALL KEEP THE AREA OUTSIDE THE "CONSTRUCTION LIMITS" BROOM CLEAN AT ALL TIMES ALL PANEMENT REPACEMENT AND OTHER WORKS COORRED BY THESE PLANS SHALL BE DONE IN ACCORDANCE WITH THE REQUESTANCES OF THE FORMAL PROPERTY OF THE TOWNS OF THE TOWN OF THE LATEST MOTHOR DEPARTMENT OF THE TOWN OF THE LATEST WORLD SEPECTATIONS FOR THEMSELVED WITH A TOWN OF THE TOWN OF TH ANY DISCREPANCY IN THIS PLUM AND ACTUAL RELD CONDITIONS SHALL BE REPORTED TO THE DESIGN BIONERRE PROPERTY OF CONSTITUCION, CONTRACTORS SHALL BE RESPONSEDE FOR VERFICATION OF ALL STERACS, EASEMENTS AND DIMENSIONS SHOWN HEREON PRIOR TO BECHNING CONSTITUCION. TO THE MUTSUL SHORTICS OF RECOVERED FOR A THE CHEENER FOR MY LOLLY OR INCHMENTED IN THE WINSTALL SHORTICS OF RECONHERS DAVIN DUE TO THE OPERATIONS OF SOLVI OTHER PARTIES DONG WORK INCOMED OF SHORTING OF SOLVI OTHER PARTIES DONG WORK INCOMED OF SOLVI OTHER PARTIES OF RECOVERED ON THE DESCONDER. 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. PROMISE SHE REPORTED THAN CONTROL PRICE. THE REPORTED PRICE PROMISE PR THE CONTRACTOR, NOT THE OWNER OR THE BNONEER, ARE RESPONSIBLE FOR THE MEMS, METHODS, AND SEQUENCY OF CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR SAVE EXECUTION OF THE PROJECT SOCIETY IN ACCORDINGE WITH THE APPROVED CONSTRUCTION PLANS. THE CONTRACTOR IS RESPONSIBLE FOR PRESERVING CONSTRUCTION STAKING AS NECESSARY, CONTRACTOR 1 NUTRY CONSTRUCTION SURVEYOR OF REPLACADENT STAKES NEEDED WHICH SHALL BE AT THE CONTRACTOR POPENSE. THE OWER AUCH CONTRACTOR SHALL BE RESPONSIBLE FOR CORRINATING FRANCHSE UTLITY SERVICES (CIRREL BLETING, CIR. FLD.) OWER AND/OF CONTROL SHAR WITH UTLITY COMPANES ON FRANCHING SHE ALL BLETING, CIRCUITS AND PROVING CONDUCT MOSSIMES. OF REQUIRED. A GRADING PERMIT FOR SOIL EROSION-SEDIMENTATION CONTROL, SHALL BE OBTANED FROM THE GOVERNIW AGENCY PRIOR TO THE START OF CONSTRUCTION. PAVED SUPFACES, WALKWAYS, SIGNS, LIGHTING AND OTHER STRUCTURES SHALL BE MANITANED IN A SAFE, ATTRACTIVE CONDITION AS ORIGINALLY DESIGNED AND CONSTRUCTED. AL BARREPARE FEATURES AGAIL BE CONSTRUCTED TO MEET ALL LOCAL, STATE AND ADA. THE CONTRIBUTIONS THAT DO THE TAM REQUERMENTS OF THE PANN WILL RESULT IN PRINSETE PROBREMENTS WHO THE PANN WILL RESULT IN PRINSETE PROBREMENTS. THE CONTRACTOR SHALL MOTHEY THE DESIGN BETTER PROBREMENTS. THE CONTRACTOR SHALL MOTHEY THE DESIGN BETTER PROBREMENTS. THE CONTRACTOR SHALL CONTACT ALL OWNERS OF EASEMENTS, UTILITIES AND RICHT-OF-WAY, PUBLIC OR PRIVATE, PRIOR TO THE START OF CONSTRUCTION. ALL PERMANDIT SIGNS AND PANEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST REVISION OF THE MCHIGAN MUTCD MANUAL AND SHALL BE INCIDENTAL TO THE CONTRACT. THE CONTRACTOR SHALL MAINTAN DRAINAGE OF THE PROJECT AREA AND ADJACENT AREAS. WHERE RESTING DRAINAGE FACLIES, ARE MACHED DUE TO CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE ANY INCESSARY TRAPORARY DRAINAGE PROVISIONS. IF DUST PROBLEM OCCURS DURING CONSTRUCTION, CONTROL WILL BE PROVIDED BY AN APPLICATION OF WATER, EITHER BY SPRINKLER OR TANK TRUCK. THE CONTRACTOR SHALL COORDINATE WITH ALL OWNERS TO DETERMINE THE LOCATION OF EXISTING MOSCOPHIOL, RIROCATION LINES A FROM TRUTTY THESS. THE CONTRACTOR IS RESPONSIBLE FOR MOY DAMAGE TO DETERMINE THE SHAME THAT THE THE STATEMENT OF THE STATEMENT DAMAGE TO ANY EXISTING UTLUTES OR INFRASTRUCTURE (INCLUDING PAYEMENT, CURB, SIDEMALK, ETC.) SHALL PROMPTLY BE REPLACED IN KIND AND SHALL BE AT THE CONTRACTORS EXPENSE. AL CONSTRUCTION AND INTERIALS SHALL BE IN ACCORDANCE WITH LOCAL MUNICIPAL STANDARDS AND SPECIFICATIONS. IT SWILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT ALL ITEMS REQUIRED FOR ROSTRUCTION OF THE PROJECT ARE RALLUED IN THE CONTRACT. IN THE PLANS SWILL BE CONSIDERED MICHORILA, TO THE CONTRACT. 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. THE CONTRACTOR SHALL DETECTOR, INCREMENT, AND HOLD MARKESS THE DESCRIP PREFESSORYL, MINISTER, AND ALL OF ITS SHE CONSULTANTS, PIEBLC AND PRIVATE UTILITY COMPANIES, TOWN CONCOUNTERS, AND PROPER UTILITY OF THE CONTRACTOR AND/OR THES SUBCONTRACTORS. THE CONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS FROM THE STE UPON COMPLETION OF THE PROJECT. THE CONTRACTOR SHALL MAINTAIN THE SITE IN A MANNER SO THAT WORKARIN AND PUBLIC SHALL BE PROTECTED FROM INJURY, AND ADJOINING PROPERTY PROTECTED FROM DAMAGE. ALL DEMOUSHED MATERIALS AND SOIL SPOLS SHALL BE REMOVED FROM THE STE AT NO ADDITIONAL AND DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. ANY EXISTING APPURTENMICES SUCH AS MANHOLES, GATE VALVES, ETC. SHALL BE ADJUSTED TO THE PROPOSED GRADE AND SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. WHERE CITYTOWNSHIP STANDARD CONSTRUCTION DETALS/SPECIFICATIONS ARE PROVIDED AND ARE IN CONFLICT WITH NOTES AND SPECIFICATIONS HEREIN, THE CITYTOWNSHIP STANDARD SHALL COVERN. THE CONTRACTOR SHALL CALL MISS DIG A MINMUM OF 72 HOURS PRIOR TO THE START OF CONSTR DIRING THE CONSTRUCTION OPERATONS, THE CONTRACTOR SHALL NOT PERFORM WORK BY PRIVATE AGREEMENT WITH PROPERTY OWNERS ADJACENT TO THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE PROPERTY BEYOND THE CONSTITUTION BUT NOT LIMITED TO EXISTING FENCE, LAWA, TREES AND SHRUBBERY. NO TREES ARE TO BE REMOVED UNTIL MARKED IN THE FIELD BY THE ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGE TO EXISTING UTILITIES. ALL WORK SHALL CONFORM TO THE CURRENT CITY OF NOVI INDEMNIFICATION STATEMENT

CONTRACTOR TO FOLLOW MANUFACTURER SPECS/RECOMMENDATIONS THAT SUPERCEDE PLANS





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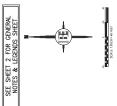
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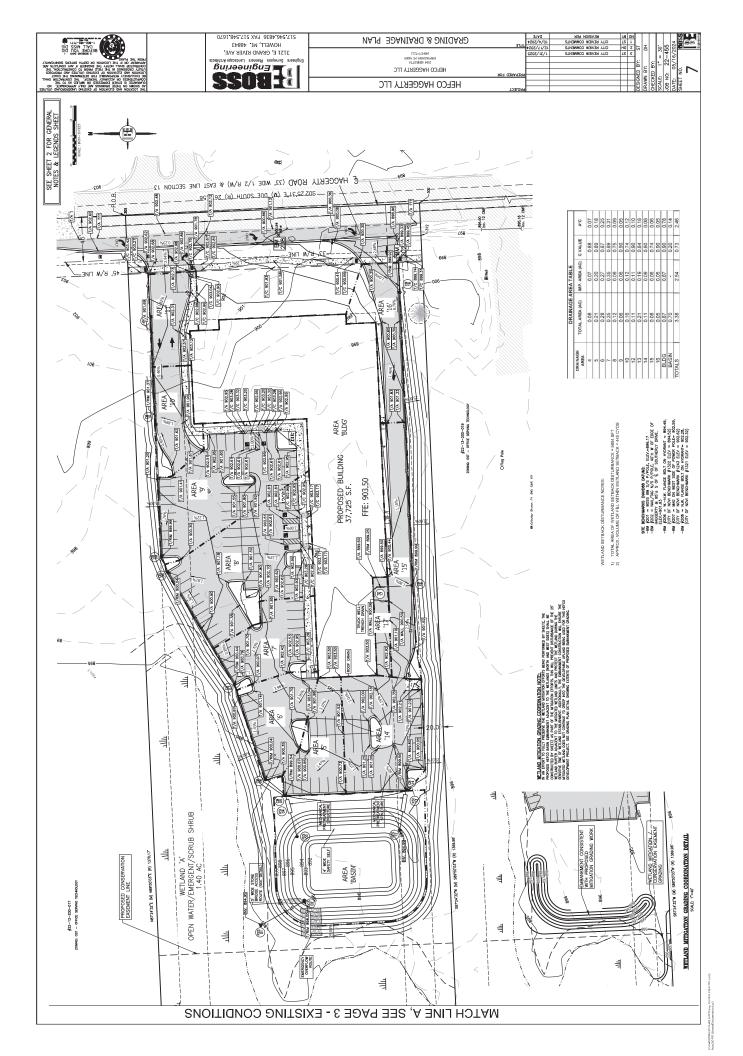
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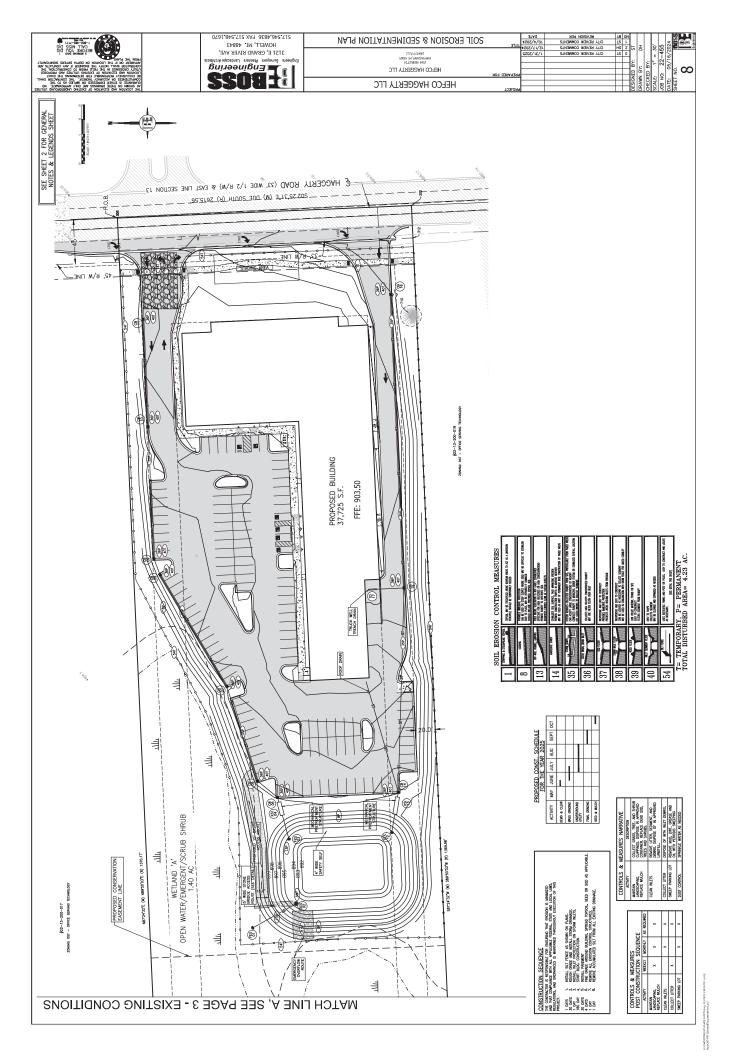
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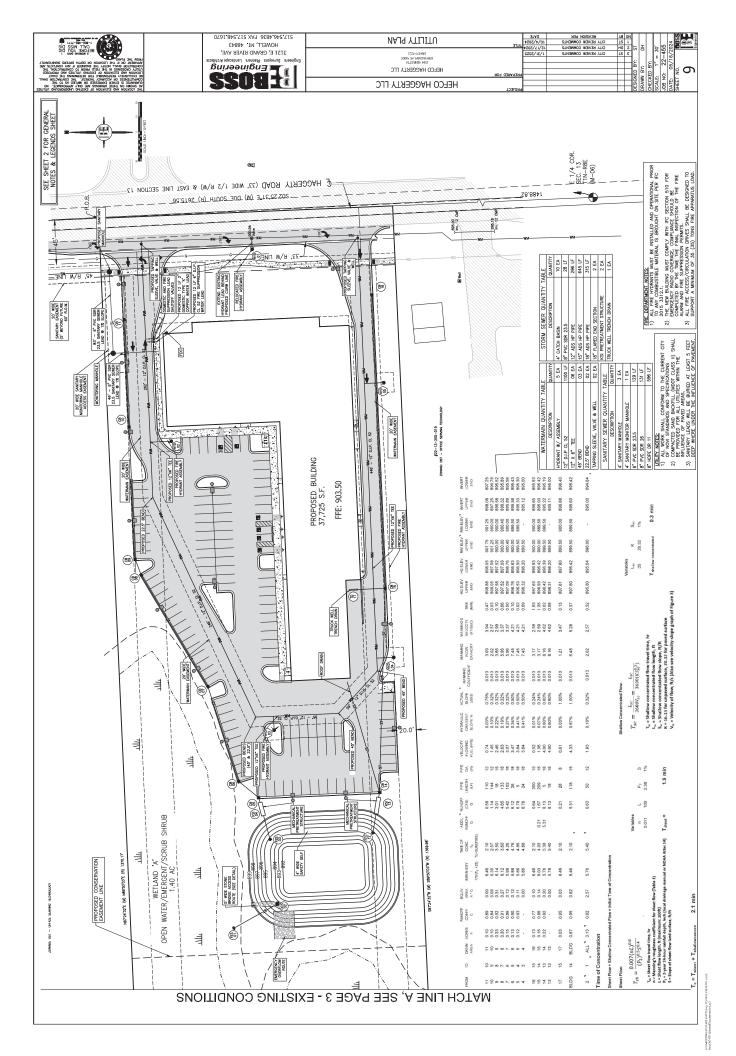


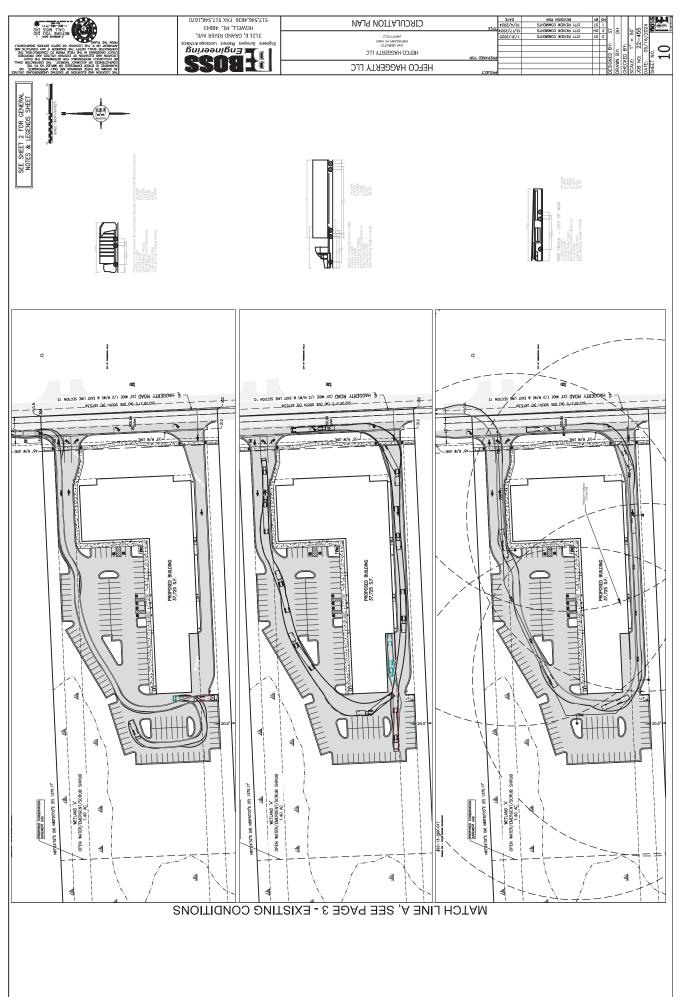


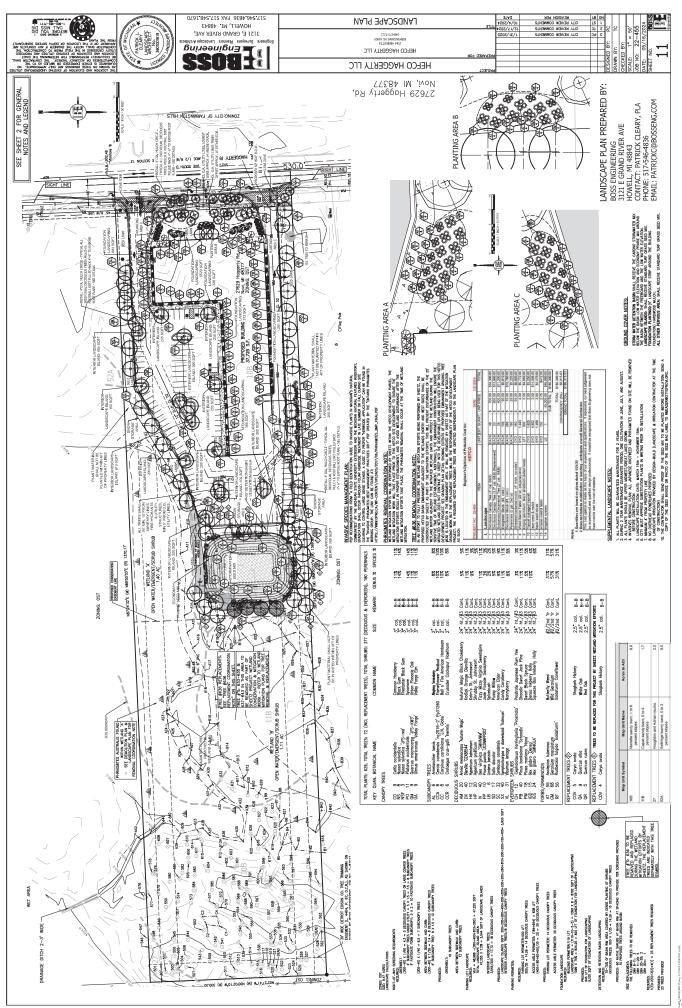


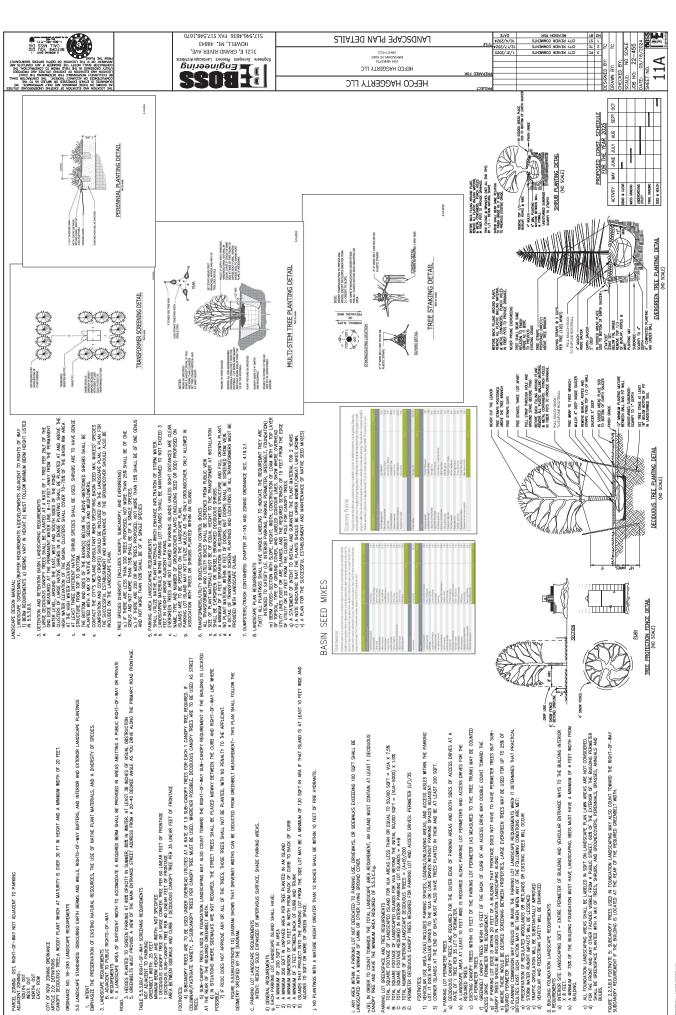


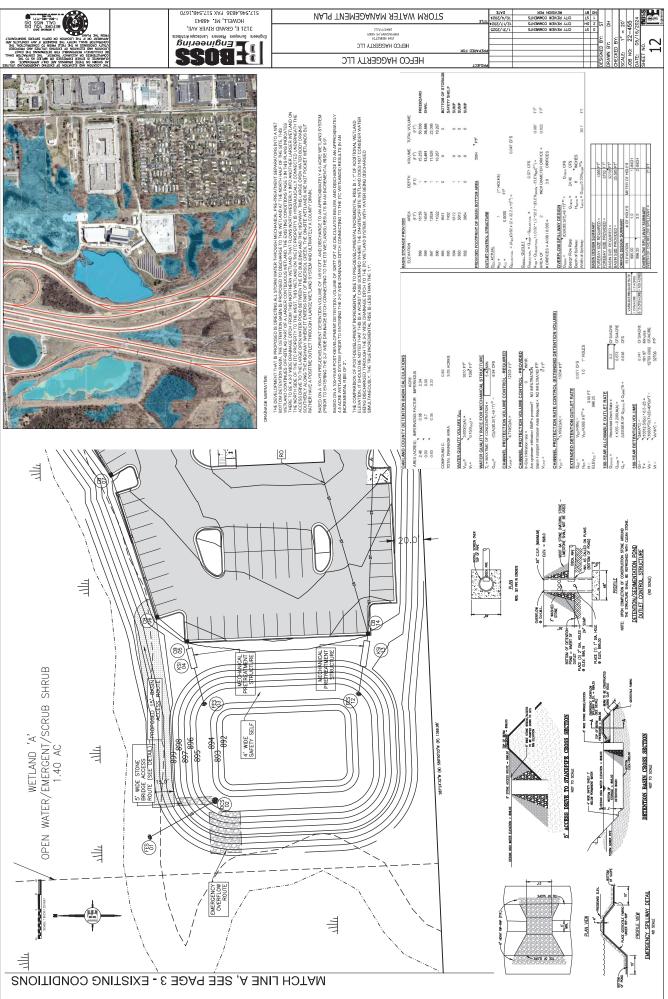


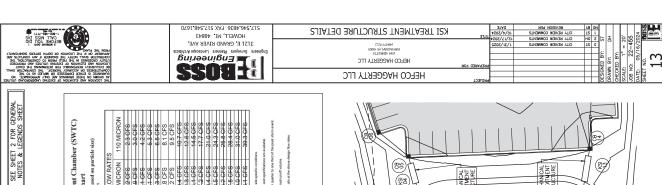


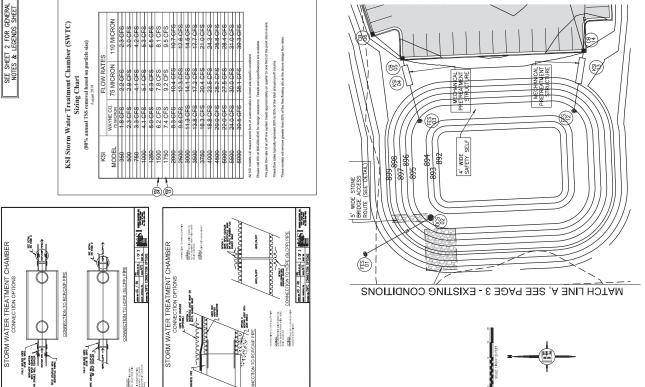


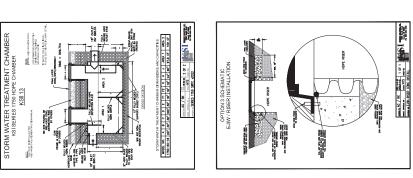


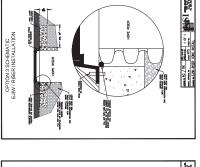


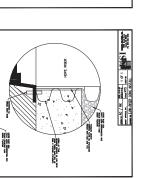


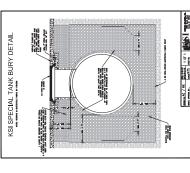


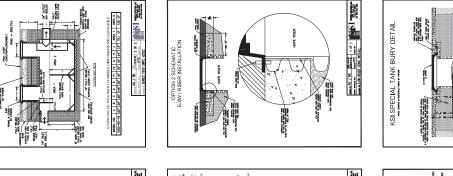


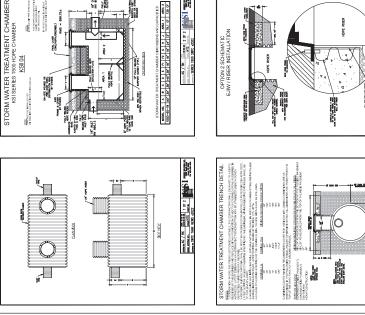


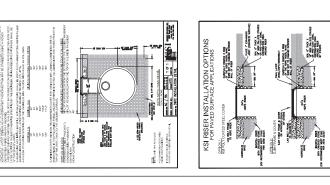




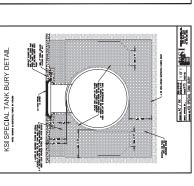








STORM WATER TREATMENT CHAMBER INSTALLATION AND MAINTENANCE GUIDELINES



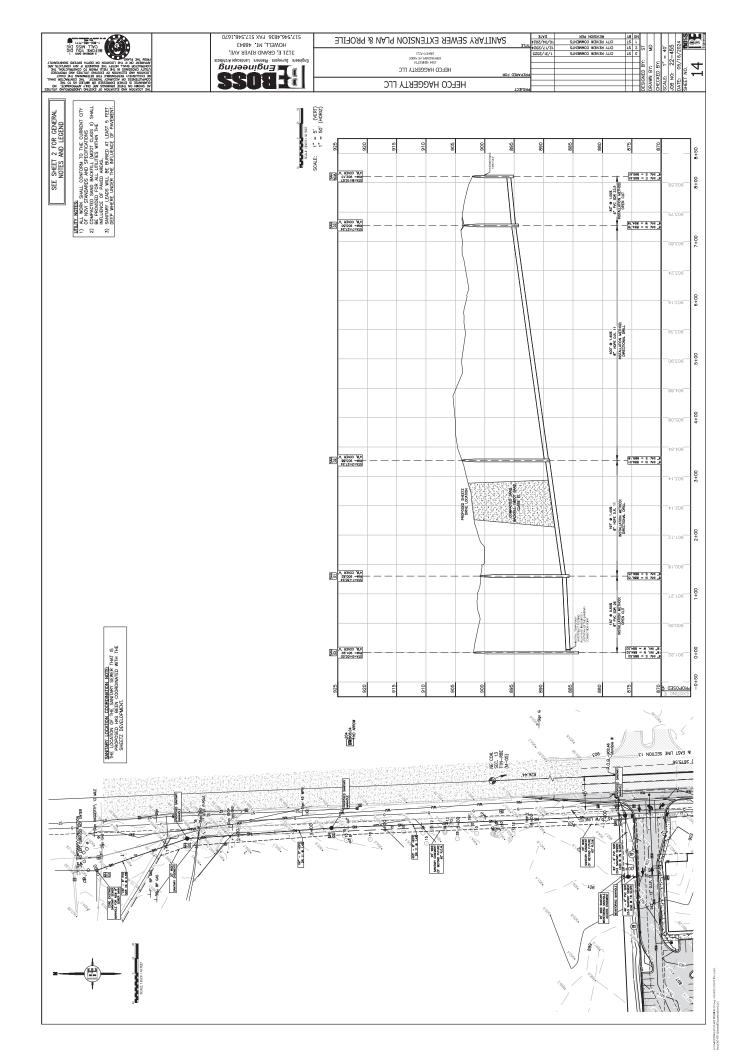
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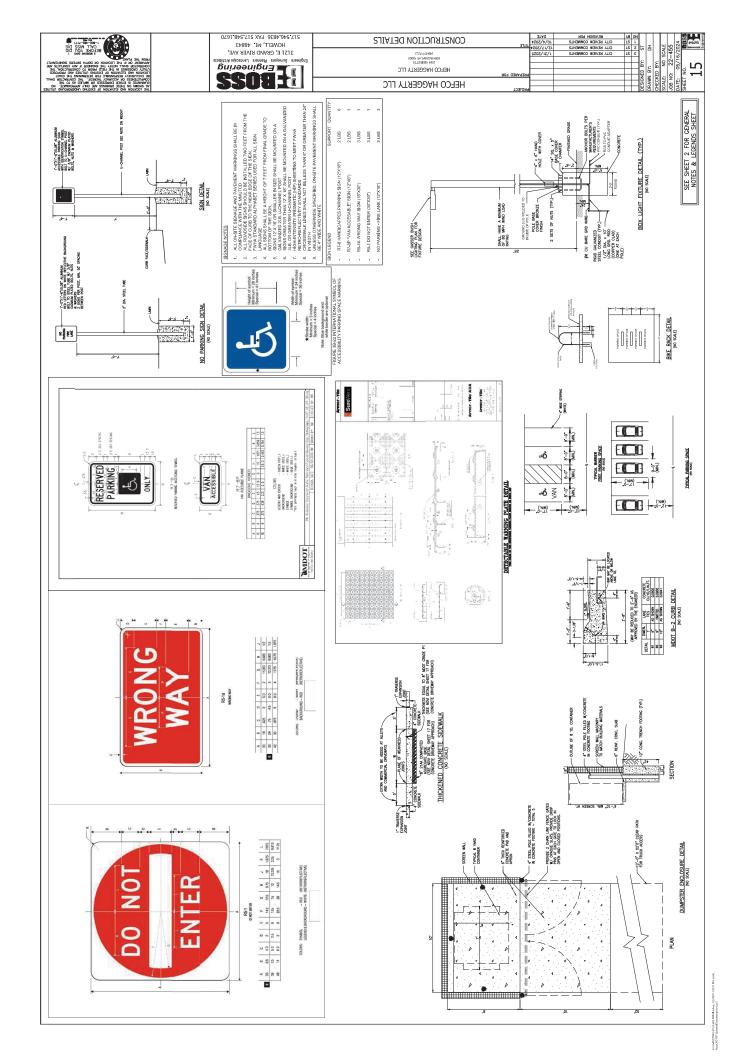
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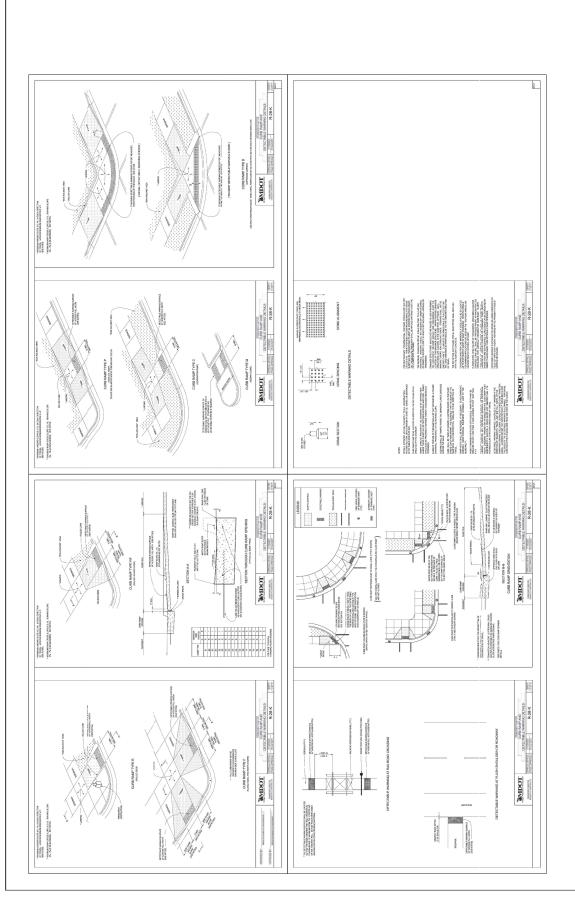
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SEE SHEET 2 FOR GENERAL NOTES & LEGENDS SHEET





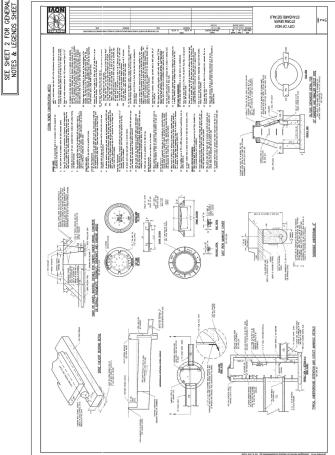


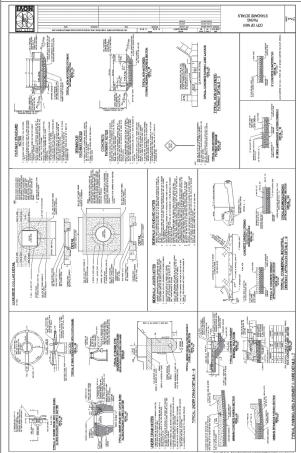
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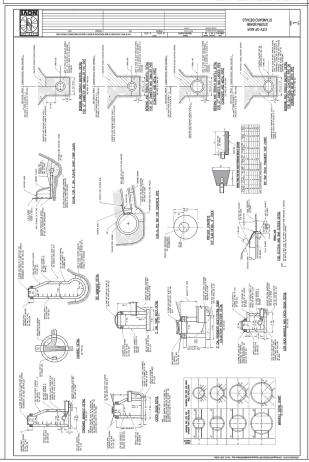
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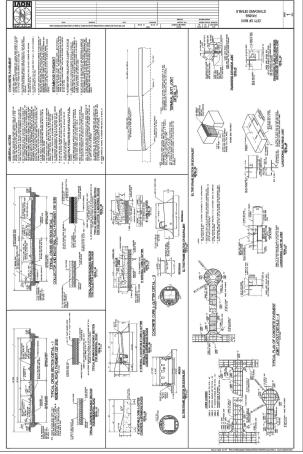
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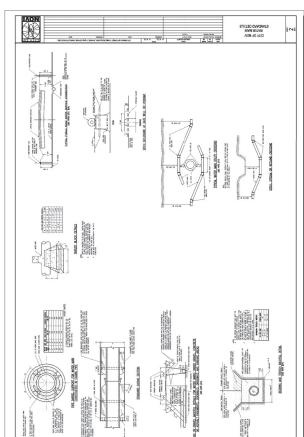
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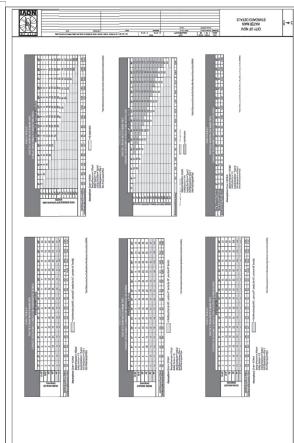
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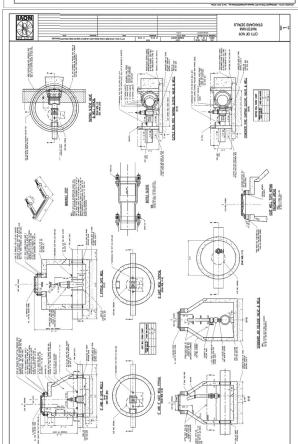
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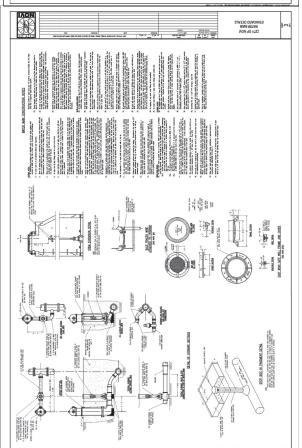
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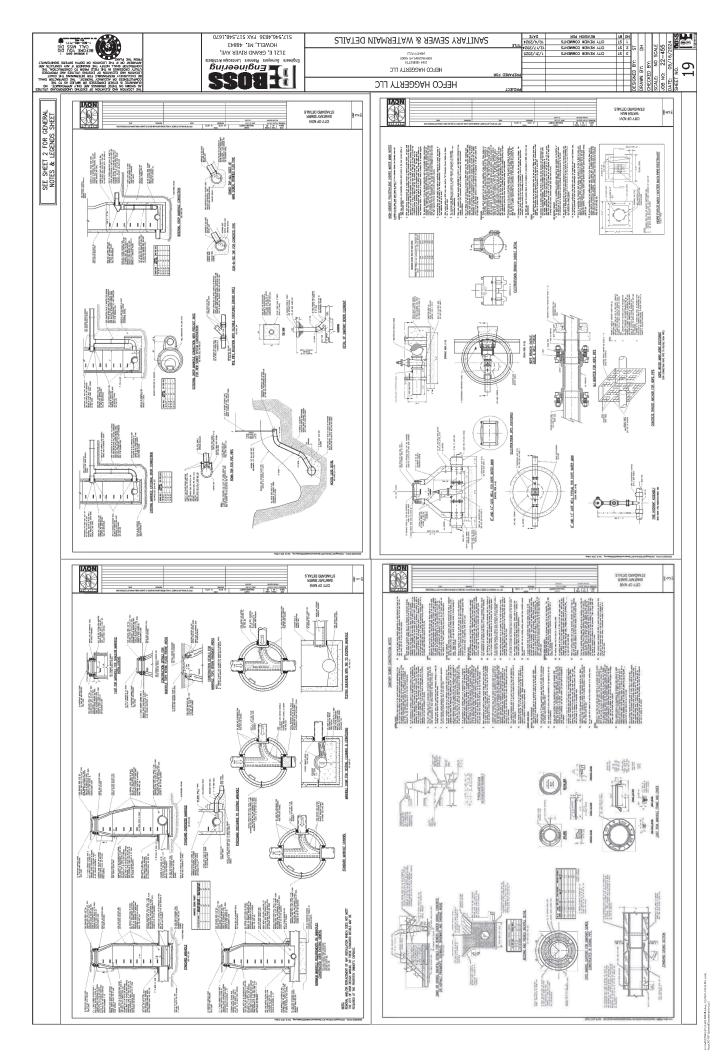








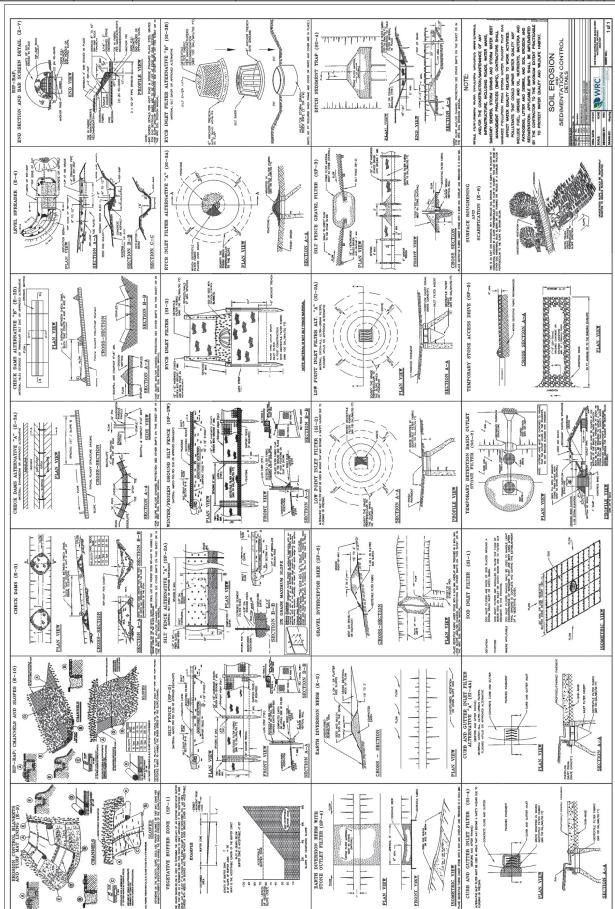






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General Note

- Les CACHDULE FOR LUMINAIRE MOUNTING HEIGHT.

2. SEE LUMINAIRE SCHEDULE FOR LIGHT LOSS FACTOR.

3. CALCULATIONS ARE SHOWN IN FOOTCANDLES AT: GRADE

THE REPRESENTATION OF ARCHITECT WHICH SPENDS AND ACCOUNT OF THE LANGUT TO EXISTING ALTHOUGH REPRESENTS THE ACCOUNTIONS. THIS LIGHTING LANGUT REPRESENTS CONTROLLED COUNTIONS THIS LIGHTING LANGUT REPRESENTS CONTROLLED COUNTIONS IN ACCORDANCE WITH ILLUMINATING REGISTERIAN SOCIETY ACCORDANCE WITH ALLUMINATING REGISTERIAN SOCIETY AND ACCORDANCE WITH ALLUMINATING REGISTERIAN SOCIETY AND ACCORDANCE WITH ALLUMINATION REGISTERIAN SOCIETY AND ACCOUNTIONS IN MAINTAINED SOCIETY AND ACCOUNTIONS IN MAINTAINED AND ACCOUNT AND ACCOUNTING HEIGHTS INDICATED ARE ROOM GRADE AND ONE OF THE ACCOUNTIONS. MOUNTING HEIGHTS INDICATED ARE ROOM GRADE

THESE LIGHTING CALCULATIONS ARE NOT A SUBSTITUTE FOR INDEPENDENT RENGINEER RENGINEER AMANDEN AGENT. THE ENGINEER AMANDOR AGCHITECT IS RESPONSIBLE TO REVIEW FOR MICHIGAN ENERGY CODE AND LIGHTING QUALITY COMPLIANCE.

UNLESS EXEMPT, PROJECT MUST COMPLY WITH LIGHTING CONTROLS REQUIRMENTS DEFINED IN SAFARE 90.1. 2012. FOR SPECIFIC INFORMATION CONTACT GBA CONTROLS GROUP AT ASGE-GASSERBUSH-COM OR 734-266-6705.

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

Ordering Note FOR INQUIRIES CONTACT GASSER BUSH AT QUOTES@GASSERBUSH.COM OR 734-266-6705.

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

Mounting Height Note MOUNTING HEIGHT IS WEASURED FROM GRADE TO FACE OF FIXTURE. POLE HEIGHT SHOULD BE CALCULATED AS THE MOUNTING HEIGHT LESS BASE HEIGHT.

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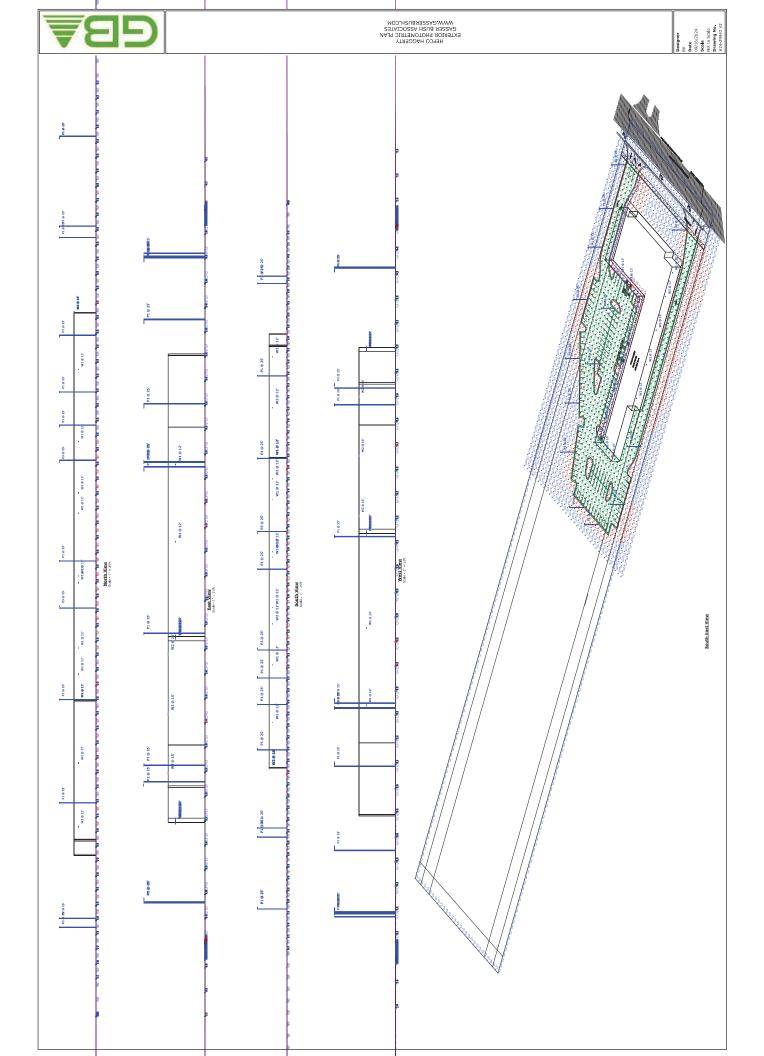
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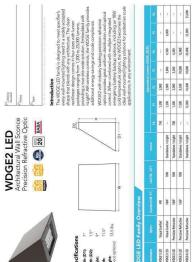




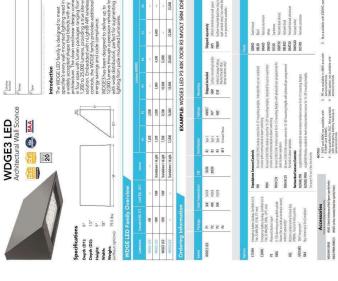
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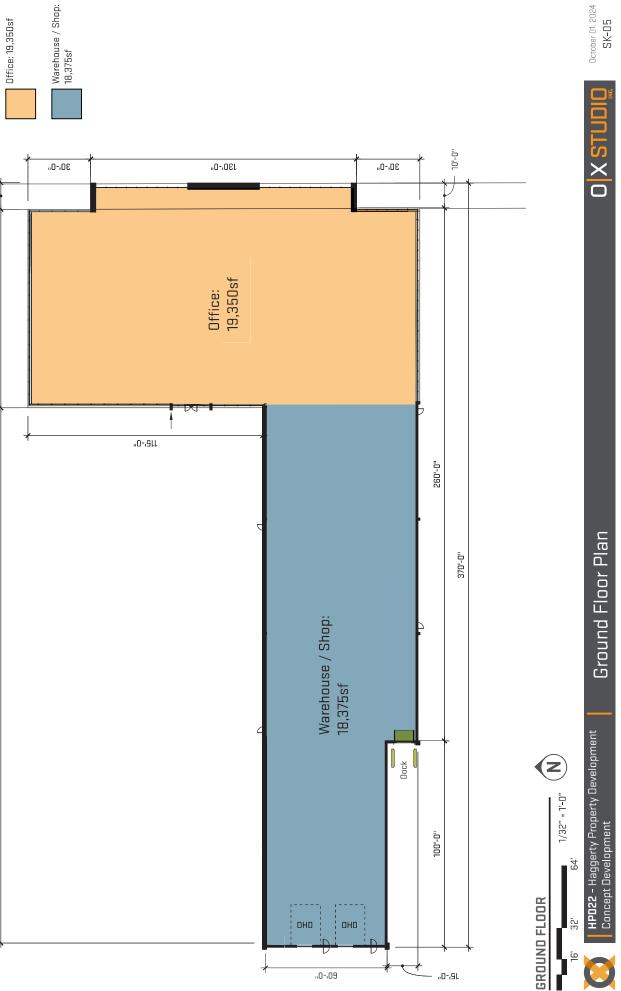












PLAN KEY

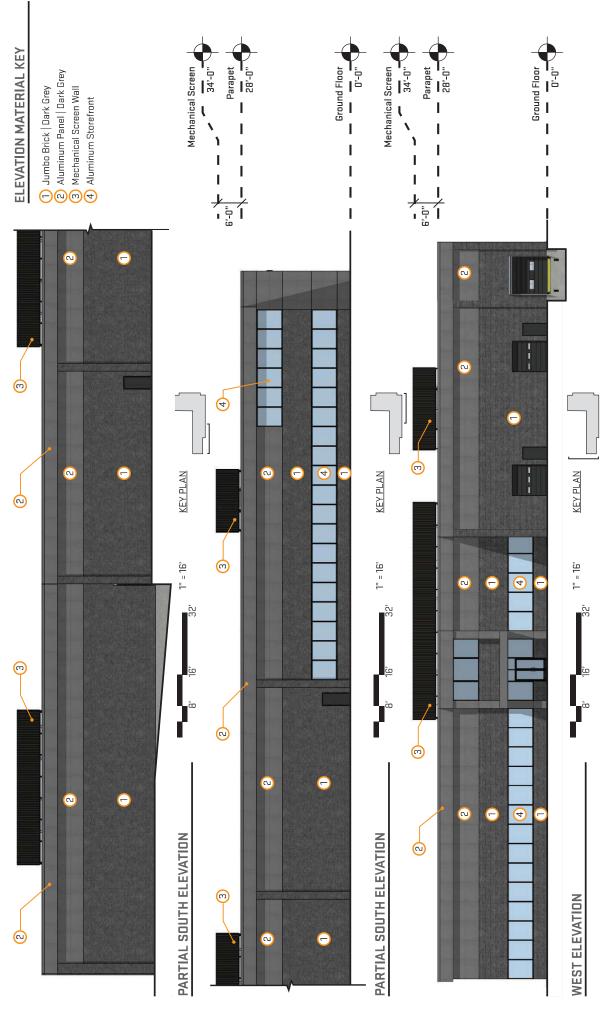
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October 01, 2024 SK-08



HPD22 - Haggerty Property Development Concept Development





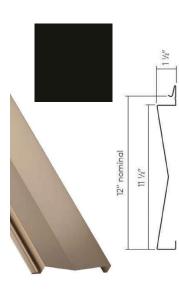




1 Brick

Belden Brick

Black Diamond Velour



3 | Mechanical Screen Wall Morin, Pulse P-9

Color: Bristol Black

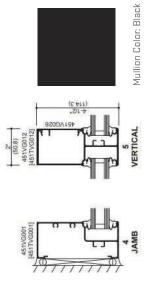


ELEVATION MATERIAL KEY

Jumbo Brick | Dark Grey
 Aluminum Panel | Dark Grey
 Mechanical Screen Wall
 Aluminum Storefront

2 | Aluminum Panel Alucobond

Color: Dusty Charcoal II



4 | Aluminum Storefront Kawneer | Trifab VersaGlaze 451/451T Framing System

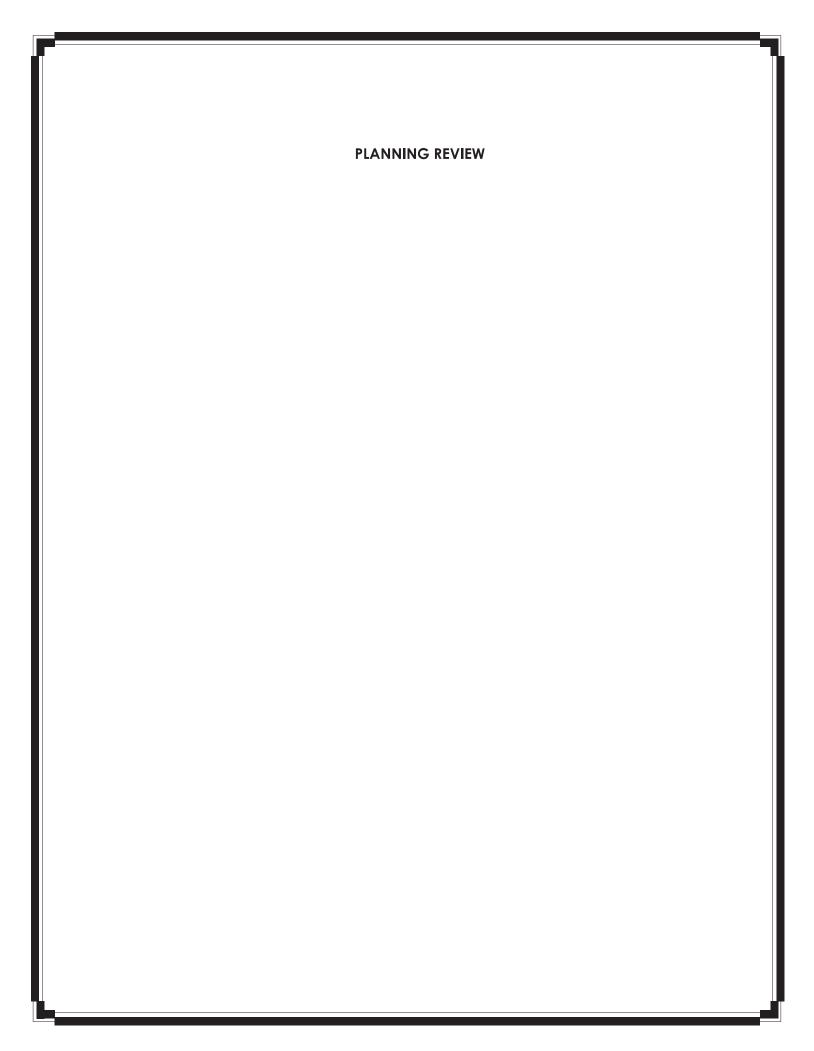


Material Selections











PLAN REVIEW CENTER REPORT

February 6, 2025

Planning Review

27629 Haggerty – HEFCO JSP 24-22

PETITIONER:

Hefco Haggerty LLC

REVIEW TYPE:

Revised Preliminary Site Plan

PROPERTY CHARACTERISTICS

0 11	10			
Section	13	13		
Site Location	50-22-13-20	0-018		
Site School District	Novi Comn	nunity School District		
Site Zoning	OST: Office	Service Technology		
Adjoining Zoning	North	OST: Office Service Technology		
	East	City of Farmington Hills – Industrial Research Office (IRO)		
	West	OST: Office Service Technology		
	South	uth OST: Office Service Technology		
Current Site Use	Vacant			
Adjoining Uses	North	Vacant - Woodlands		
	East	City of Farmington Hills – Industrial Research Office (IRO)		
	West	Vacant – International Transmission Company (ITC)		
	South	Pellegata Landscape Design (Commercial-Landscape)		
Site Size	9.47 acres			
Plan Date	01-31-2025			

PROJECT SUMMARY

The applicant is proposing to construct a 37,925 square foot Speculative (SPEC) building on a 9.47-acre parcel fronting on the west side of Haggerty Road south of 12 Mile Road. The project will be comprised of the proposed building, an associated parking lot, and sunken truck well. The west side of the site will remain as is with existing natural woodlands and wetlands, and will be supplemented with wetland mitigation areas as required for the Sheetz development to the north. Conservation easement details will need to be shown on the Final Site Plans, as required for wetland mitigation areas.

RECOMMENDATION

Approval of the revised Preliminary Site Plan is recommended. Planning and Landscape are now recommending approval, with items to be addressed at the Final Site Plan. Engineering, Woodland, Wetland, Traffic, Façade, and Fire recommended approval of the Preliminary Site Plan with items to be addressed at the Final Site Plan.

ORDINANCE REQUIREMENTS

This project was reviewed for conformance with the Zoning Ordinance with respect to Article 3 (Zoning Districts), Article 4 (Use Standards), Article 5 (Site Standards), and any other applicable provisions of the Zoning Ordinance. Items in **bold** must be addressed within the next submittal or by the Planning Commission.

- 1. Administrative Approval (Sec. 6.1.C.x): This project does not qualify for administrative approval
- 2. <u>Site Plans (Sec 6.1.B.i.)</u>: Building of any structure(s): Requires Planning Commission approval. <u>Planning Commission approval of Preliminary Site Plan will be required.</u>
- 3. <u>Woodland Replacement:</u> Based on a review of the plan 10 woodland replacement trees are required. Please include these woodland replacement trees within a conservation easement.
- 4. <u>Parking Lot Landscaping (Sec. 5.5.3.C):</u> There is a 5 tree deficiency in the required accessway perimeter trees proposed. Five additional trees have been added along the north side of the entrance drive to the parking lot.
- 5. Storm Basin Landscape (Sec. 5.5.3.E.iv and LDM 3): The grading on the west side of the detention pond will likely be impacted by the grading of the Sheetz wetland mitigation. Please coordinate with Sheetz to make the grading in this area consistent between projects Additional grading coordination has taken place between involved parties.
- 6. Wetland Mitigation Plan: The Final Site Plan shall include a separate plan sheet that shows the wetland mitigation that is proposed onsite for the Sheetz development, and the location(s) of all conservation easements that shall be provided.
- 7. <u>Loading and Unloading Screening (Sec. 30.20.2.A):</u> Truck service areas shall be totally screened from adjacent properties. An evergreen hedge is now proposed as requested to be maintained between 6 and 10 feet in height.
- 8. <u>Building Height (Sec. 3.1.23 D & SEC. 3.20.1:</u> Maximum height is 46' or 3 stories, whichever is less. Elevation views on sheets SK-06 and SK-07 have been added with associated building height information. The height from the ground to the parapet is proposed to be 28', and 34' from the ground to the top of the mechanical rooftop screening.
- 9. <u>Building Setbacks (Sec.1.23.D)</u>: 50' minimum requirement fronting Haggerty Road. *Planned Right-of-Way (ROW)* width is 33' and proposed setback is 50' from the 60' half ROW (dedicated to Road Commission of Oakland County (RCOC). A dimension has been added to the site plan sheet showing the building setback is 50.1' from the proposed 60' half ROW.
- 10. <u>Wetland / Watercourse Setback (Sec. 3.6.2.M):</u> A setback of 25 feet from the wetlands and from high watermark course shall be maintained. A wetland permit (minor) and wetland buffer authorization shall be required— *Applicant has acknowledged this*. Please see note 4 and adjust accordingly on subsequent submittal *Acknowledged*.
- 11. Required Parking Calculation (Sec. 5.2.12.D & 5.2.12.E): For Business Offices: 1:222 SF Gross Floor Area (GLA). 19,350/222 sf = 88 spaces required. For Industrial Warehouses: 1:700 SF of usable floor area. 18,575/700 sf = 27 spaces. 115 total spaces required. Applicant has proposed 125 total spaces.
- 12. End Islands (Sec. 5.3.12) End Islands with landscaping and raised curbs are required at the end of all parking bays that abut traffic circulation aisles. The end islands shall generally be at least 8 ft. wide, have an outside radius of 15 ft., and be constructed 3 ft. shorter than the adjacent parking stall.

Applicant has acknowledged this, and dimensions have been added to the site plan (Sheet 5) for landscape islands.

- 13. Minimum number of Bicycle Parking (Sec. 5.16.1): General Offices: 5% of required automobile spaces, minimum 2 spaces. For 115 parking spaces = 6 bicycle parking spaces. A bicycle parking calculation has been added to the site plan sheet 5. 4 spaces are provided near the main entrance at the integral sidewalk and 2 spaces are provided near the rear access points of the warehouse off the integral sidewalk.
- 14. <u>Dumpster Enclosure (Sec. 21-145.c.1–Chapter 21 of City Code of Ordinances):</u> All refuse bins within the city must be enclosed and screened from public view. Sheet 15 depicts a dumpster enclosure detail. The detail includes the enclosure wall height, depicts the protective bollards, concrete pad, and screening materials to match the proposed building material.
- 15. Non-Motorized Facilities (Article XI. Off-Road Non-Motorized Facilities): A 6-foot wide sidewalk is required along major roads. A 6' wide sidewalk has been added along Haggerty Road, see sheet 5.
- 16. <u>Development/Business Sign & Street Addressing:</u> Signage if proposed requires a permit. <u>The applicant should contact the Building Division for an address prior to stamping set approval.</u> A monument sign is now depicted at the site entrance and is seen on the site plan sheet 5. A dimension has been added indicating a setback from the proposed 60' half right of way line. For sign permit information please contact Deborah Martinez at 248-735-5671 or dmartinez@cityofnovi.org in the Code Compliance Division.
- 17. Economic Impact: Total cost of the proposed building and site improvements, and number of anticipated jobs created. Per the applicant response letter, the estimated project cost is \$3 million. The end user is not known at this time so economic impact as it pertains to number of jobs created is unknown at this time.
- 18. <u>Lighting Plan (Sec. 5.7.A.1):</u> Site plan showing location of all existing & proposed buildings, landscaping, streets, drives, parking areas, walkways, and lighting fixtures. The photometric plan has been updated to show parking spaces and walkways, as well as clarify the hours of operation of the lighting, as requested.

OTHER REVIEWS

- a. <u>Engineering Review</u>: Engineering previously recommended approval of the Preliminary Site Plan, with items to be addressed at the Final Site Plan submittal.
- b. <u>Landscape Review</u>: Landscape now **recommends approval** of the Revised Preliminary Site Plan, with items to be addressed at the Final Site Plan submittal.
- c. <u>Woodlands Review</u>: Woodlands previously recommended approval of the Preliminary Site Plan, with comments provided to meet the requirements of the Woodland Protection Ordinance. Please see woodlands review for additional information.
- d. <u>Wetlands Review</u>: Wetlands previously recommended approval of the Preliminary Site Plan, with wetland-related permitting considerations provided. Please see wetlands review for additional information.
- e. <u>Traffic Review</u>: Traffic previously recommended approval of the Preliminary Site Plan, with comments to be addressed at the Final Site Plan submittal.
- f. <u>Façade Review</u>: Façade previously recommended approval. Full compliance with the façade ordinance.
- g. <u>Fire Review</u> Fire previously recommended conditional approval of the Preliminary Site Plan, with comments to be addressed at the Final Site Plan submittal. Please see fire review for additional information.

NEXT STEP: PLANNING COMMISSION MEETING

With all reviews now recommending approval of the Preliminary Site Plan, this project will be scheduled to appear at the Planning Commission. The Preliminary Site Plan, Woodland Permit, and Stormwater Management Plan will need approval from the Planning Commission. Please provide the following via email one week prior to the meeting once this stage is reached:

- 1. Site Plan submittal in PDF format (maximum of 10MB) NO CHANGES MADE
- 2. A response letter addressing ALL the comments from ALL review letters and a <u>request for</u> waivers/variances as you see fit.
- 3. A color rendering of the Site Plan (to be used for Planning Commission presentation).

FUTURE STEP: FINAL SITE PLAN SUBMITTAL

After receiving Planning Commission's approval of the Preliminary Site Plan, please submit the following for review:

- 1. **Seven** copies of Final Site Plan sets (<u>24" x 36", folded</u>) addressing ALL comments from Preliminary Site Plan Review.
- 2. Response letter addressing ALL comments from ALL review letters and refer to sheet numbers
- 3. where the change is reflected.
- 4. Final Site Plan Application
- 5. Final Site Plan Checklist
- 6. No Revision Façade Affidavit (only if no façade changes have been made)
- 7. An itemized engineering cost estimate including sanitary sewer, watermain, storm sewer, paving and grading costs, size 8.5" x 11" (The cost estimate should not include soil erosion or demolition costs.)
- 8. An itemized landscaping cost estimate including greenbelt and greenbelt ornamental trees, perennials, pond plantings, shrubs, edging, mulch, seed mix and seeded lawn, size 8.5" x 11" (The cost estimate should not include woodland trees, replacement trees or mitigation.)

CHAPTER 26.5

Chapter 26.5 of the City of Novi Code of Ordinances generally requires all projects be completed within two years of the issuance of any starting permit. Please contact Sarah Marchioni at 248-347-0430 for additional information on starting permits. The applicant should review and be aware of the requirements of Chapter 26.5 before starting construction.

If you have any questions concerning the above review or the process in general, please do not hesitate to contact me at (248) 735-5607 or dcommer@cityofnovi.org.

Sincerely,

Dan Commer	
Dan Commer, AICP Planner	



PLANNING REVIEW CHART: Office Service Technology (OST)

Review Date: February 6, 2025

Review Type: Revised Preliminary Site Plan

Project Name: 27629 Haggerty Road
Plan Date: January 31, 2025
Prepared by: Dan Commer, Planner

E-mail: dcommer@cityofnovi.org; **Phone:** (248) 735-5607

Items in **Bold** need to be addressed by the applicant before next submittal

Item	Required Code	Proposed	Meets Code	Comments
Zoning and Use Re	quirements			
Master Plan (adopted August 25, 2010)	Office research development and technology	Warehouse-Office	TBD	
Area Study	The site does not fall under any special category	NA	Yes	
Zoning (Effective June 4, 2018)	OST: Office Service and Technology	OST	Yes	
Uses Permitted (Sec 3.1.23.B & C)	Sec. 3.1.23.B Principal Uses Permitted. Sec. 3.1.23.C. – Special Land Uses Permitted.	Warehouse-Office	TBD	The Preliminary Site Plan will require Planning Commission approval
Height, bulk, densit	y and area limitations (Sec.	3.1.23.D)		
Frontage on a Public Street. (Sec. 5.12) Access To Major Thoroughfare (Sec. 5.12)	Frontage on a Public Street is required	The site has frontage and access to Haggerty Road	Yes	
Minimum Zoning Lot Size for each Unit in Ac (Sec 3.6.2.D)	Except where otherwise provided in this Ordinance, the minimum lot area and width, and the maximum percent of		NA	
Minimum Zoning Lot Size for each Unit: Width in Feet (Sec 3.6.2.D)	lot coverage shall be determined on the basis of off-street parking, loading, greenbelt screening, yard setback or usable open space		NA	
Maximum % of Lot Area Covered (By All Buildings)	(Sec 3.6.2.D)	37,925 square foot building on 9.47-acre site; 9%	Yes	
Building Height (Sec. 3.1.23.D & Sec. 3.20.1)	Maximum height 46' or 3 stories, whichever is less	28' ground to parapet, 34' ground to top of mechanical screening	Yes	

Item	Required Code	Proposed	Meets Code	Comments
	Additional height can be proposed if met with the conditions listed in Section 3.20	is proposed		
Building Setbacks ((Sec 3.1.23.D)			
Front east @ Haggerty Road	50 ft.	Planned ROW width is 33' and proposed setback is 50' from the 60' half ROW (dedicated to RCOC)	Yes	
Rear west	50 ft.	~ 920 ft.	Yes	
Side (north)	50 ft.	60.3 ft.	Yes	
Side (south)	50 ft.	50 ft.	Yes	
Parking Setback (S	ec 3.1.23.D)Refer to applica	ble notes in Sec 3.6.2		
Front east @ Haggerty Rd.	20 ft.	NA	Yes	
Rear west	20 ft.	NA	Yes	
Side (north)	20 ft.	20.3'	Yes	
Side (south)	20 ft.	20'	Yes	
Note To District Star	ndards (Sec 3.6.2)			
Exterior Side Yard Abutting a Street (Sec 3.6.2.C)	All exterior side yards abutting a street shall be provided with a setback equal to front yard.	No exterior side yards	NA	
Off-Street Parking in Front Yard (Sec 3.6.2.E)	Off-street parking is allowed in front yard	No front yard parking is proposed	NA	
Distance between buildings (Sec 3.6.2.H)	It is governed by sec. 3.8.2 or by the minimum setback requirements, whichever is greater		NA	
Wetland/Waterco urse Setback (Sec 3.6.2.M)	A setback of 25ft from wetlands and from high watermark course shall be maintained	Wetlands exist on site	TBD	Please refer to woodland/wetland and landscape review for additional information
Parking setback screening (Sec 3.6.2.P)	Required parking setback area shall be landscaped per sec 5.5.3.	A landscape plan is provided	TBD	Please refer to landscape review for additional information
Modification of parking setback requirements (Sec 3.6.2.Q)	The Planning Commission may modify setback requirements in those instances where it determines that such modification may result in improved use of the site and/ or in improved landscaping; provided, however, that such	NA	TBD	

Item	Required Code	Proposed	Meets Code	Comments
	modification of the setback requirements does not reduce the total area of setback on a site below the minimum setback area requirements of this Section			
OST District Require	d Conditions (Sec 3.20)		•	
Additional Height (Sec 3.20.1)	Properties north of Grand River Avenue: Max height: 65 ft with additional setbacks of 2 ft for every 1 ft in excess of 46 ft.	28' to parapet, 34'to top of mechanical screening	NA	
Loading and Unloading Screening (Sec 3.20.2.A)	Truck service areas and overhead truck loading/unloading doors shall be totally screened from view from any public right-of-way, including freeway right-of-way, and adjacent properties, except for required driveway access.	An evergreen hedge is now proposed as requested. The height of the hedge is to be maintained at least 6' in height.	Yes	Additional screening from adjacent properties may be required. Does not appear to reach 90% opacity.
Required Parking Calculation (Sec 3.20.2.B)	A floor plan indicating different uses, usable floor space used for calculating parking should be shown on the plans	Floor plan included. The entire floor appears to be usable area.	Yes	
Additional conditions for permitted uses in 3.1.23.B.ii – v (Sec 3.20.2.C)	Uses permitted under subsections 3.1.23.B.ii - v shall not be located on property sharing a common boundary with property zoned for R-A, R-1, R-2, R-3, R-4 or MH district use unless conditions in section 3.20.2.C are met	The property is not located adjacent to the zoning districts mentioned	NA	
Outdoor storage (Sec 3.20.2.D)	The outdoor storage of goods or materials shall be prohibited.		Yes	
Parking, Loading a	nd Dumpster Requirements			
Number of Parking Spaces Professional Office (Sec.5.2.12.D)	- For buildings up to 100,000 square feet, 1 space per 222 SF GLA - Lab/warehouse: 1 space/700 sf Usable	19,350 sf/222= 88 18,575 sf/700 = 27 spaces 115 spaces required Total Proposed =	Yes	

Item	Required Code	Proposed	Meets Code	Comments
Industrial/researc h(Sec.5.2.12.E)	area	125 spaces		
Parking Space Dimensions and Maneuvering Lanes (Sec. 5.3.2)	 90° Parking: 9 ft. x 19 ft. 24 ft. two way drives 9 ft. x 17 ft. parking spaces allowed along 7 ft. wide interior sidewalks as long as detail indicates a 4" curb at these locations and along landscaping 	Dimensions added to the site plan (Sheet 5)	Yes	See traffic letter for details
Parking stall located adjacent to a parking lot entrance (public or private) (Sec. 5.3.13)	- Shall not be located closer than twenty-five (25) feet from the street right-of-way (ROW) line, street easement or sidewalk, whichever is closer	Not applicable	NA	
End Islands (Sec. 5.3.12)	 End Islands with landscaping and raised curbs are required at the end of all parking bays that abut traffic circulation aisles. The end islands shall generally be at least 8 feet wide, have an outside radius of 15 feet, and be constructed 3' shorter than the adjacent parking stall as illustrated in the Zoning Ordinance 	End Islands are proposed and dimensioned	Yes	
Contiguous space limit (Zoning sec 5.5.3.C)	Maximum of 15 contiguous spaces	Landscape islands have been added to the site plan (Sheet 5). Parking is no more than 15 contiguous spaces	Yes	
Barrier Free Spaces Barrier Free Code	For total 101 to 150 = 5 spaces including 1 van accessible	6 Barrier Free parking spaces provided, including 1 van accessible	Yes	
Barrier Free Space Dimensions Barrier Free Code	 8' wide with an 8' wide access aisle for van accessible spaces 8' wide with a 5' wide access aisle for regular accessible spaces 	Two types of accessible spaces are provided and dimensioned on the site	Yes	

Item	Required Code	Proposed	Meets Code	Comments
Barrier Free Signs Barrier Free Code	One sign for each accessible parking space.	Details provided on Sheet 5	Yes	Refer to Traffic review for additional comments
Minimum number of Bicycle Parking (Sec. 5.16.1)	General Offices: Five (5) percent of required automobile spaces, minimum two (2) spaces For 115 spaces, 6 spaces	6 bicycle parking spaces provided	Yes	
Bicycle Parking General requirements (Sec. 5.16)	 No farther than 120 ft. from the entrance being served When 4 or more spaces are required for a building with multiple entrances, the spaces shall be provided in multiple locations Spaces to be paved and the bike rack shall be inverted "U" design Shall be accessible via 6 ft. paved sidewalk 	4 bicycle parking spaces provided near main entrance, and 2 provided near rear access points	Yes	
Bicycle Parking Lot layout (Sec 5.16.6)	Parking space width: 7 ft. One tier width: 11 ft. Two tier width: 18 ft. Maneuvering lane width: 4 ft. Parking space depth: 32 inches	Spacing detail added to Detail Sheet 15	Yes	
Loading Spaces Sec. 5.4.1	 Within the OS districts, loading space shall be provided in the rear yard or in the case of a double frontage lot, in the interior side yard, in the ratio of five (5) square feet per front foot of building up to a total area of three-hundred sixty (360) square feet per building. 	Loading Area in the rear yard in a sunken truck well Truck loading dock is 1,500 square feet per site plan	Yes	
Dumpster Sec 4.19.2.F	- Located in rear yard - Attached to the building or - No closer than 10 ft. from building if not attached - Not located in parking	Dumpster located in the rear yard Farther than 10 ft. (30.4') Outside the parking	Yes	

Item	Required Code	Proposed	Meets Code	Comments
	setback - If no setback, then it cannot be any closer than 10 ft, from property line Away from Barrier free Spaces	setback (20')		
Dumpster Enclosure Sec. 21-145. (c) Chapter 21 of City Code of Ordinances	 Screened from public view A wall or fence 1 ft. higher than height of refuse bin And no less than 5 ft. on three sides Posts or bumpers to protect the screening Hard surface pad. Screening Materials: Masonry, wood or evergreen shrubbery 	Sheet 15 depicts dumpster enclosure detail. Wall height is 6'10"	Yes	Refer to architectural review for comments on dumpster enclosure
Exterior lighting Sec. 5.7	Photometric plan and exterior lighting details needed at time of Final Site Plan submittal	A lighting plan is provided	Yes	
Roof top equipment and wall mounted utility equipment Sec. 4.19.2.E.ii	- All roof top equipment must be screened, and all wall mounted utility equipment must be enclosed and integrated into the design and color of the building	Architecture elevation views on Sheets SK-06 and SK-07	Yes	
Roof top appurtenances screening	Roof top appurtenances shall be screened in accordance with applicable facade regulations, and shall not be visible from any street, road or adjacent property.	Rooftop mechanical is screened from view (see Sheets SK-06 and SK-07)	Yes	
Non-Motorized Fac				
Article XI. Off- Road Non- Motorized Facilities	A 6-foot sidewalk is required along major roads	A 6' wide sidewalk has been added along Haggerty Rd	Yes	
Pedestrian Connectivity	Assure safety and convenience of both vehicular and pedestrian traffic both within the site and in relation to access streets	A sidewalk is now proposed connecting internal site sidewalk to proposed Haggerty Rd sidewalk	Yes	

Item	Required Code	Proposed	Meets Code	Comments
		The sidewalk connection occurs at the north side of the building on the south side of the entry drive		
	Other Requirements			
Building Code	Building exits must be connected to sidewalk system or parking lot.	All exits are connected to internal sidewalk	Yes	
Design and Construction Standards Manual	Land description, Sidwell number (metes and bounds for acreage parcel, lot number(s), Liber, and page for subdivisions).	Legal description is provided	Yes	
General layout and dimension of proposed physical improvements	Location of all existing and proposed buildings, proposed building heights, building layouts, (floor area in square feet), location of proposed parking and parking layout, streets and drives, and indicate square footage of pavement area (indicate public or private).	Additional details are requested with the Preliminary Site Plan Submittal	Yes	
Economic Impact	 Total cost of the proposed building & site improvements Number of anticipated jobs created (during construction & after building is occupied, if known) 	Estimated project cost is \$3Million The end user is not known at this time so economic impact as it pertains to the number of jobs created is unknown at this time	TBD	
Development/ Business Sign & Street addressing	 Signage if proposed requires a permit. The applicant should contact the Building Division for an address prior to applying for a building permit. 	A monument sign is now depicted at the site entrance (see Sheet 5) Acknowledged an address will need to be applied for prior to building permitting	TBD	Apply for lot addressing prior to stamping set approval Apply for Sign permit For further information regarding signage contact Deborah Martinez 248-735-5671.
Project and Street naming	Some projects may need approval from the Street and Project Naming	Not required	NA	

Item	Required Code	Proposed	Meets Code	Comments
	Committee.			
Property Split	Any proposed property split must be submitted to the Assessing Department for approval.		NA	
Lighting and Photo	metric Plan (Sec. 5.7)			
Intent (Sec. 5.7.1)	Establish appropriate minimum levels, prevent unnecessary glare, reduce spillover onto adjacent properties & reduce unnecessary transmission of light into the night sky	A lighting and photometric plan is provided	Yes	
Lighting Plan (Sec. 5.7.A.1)	Site plan showing location of all existing & proposed buildings, landscaping, streets, drives, parking areas & exterior lighting fixtures	A lighting and photometric plan is provided	Yes	
Building Lighting (Sec. 5.7.2.A.iii)	Relevant building elevation drawings showing all fixtures, the portions of the walls to be illuminated, illuminance levels of walls and the aiming points of any remote fixtures.	Sheet 2 of photometric plan includes elevation views with the lights	Yes	
	Specifications for all proposed & existing lighting fixtures	Cut sheets are included	Yes	
	Photometric data		Yes	
Lighting Plan Elements	Fixture height	25 ft	Yes	
(Sec.5.7.2.A.ii)	Mounting & design	Pole lights, wall packs	Yes	
1000.0.7 .2.7	Glare control devices	Provided	Yes	
	Type & color rendition of lamps	LED	Yes	
	Hours of operation	7am-5pm	Yes	
Maximum Height (Sec. 5.7.3.A)	Height not to exceed maximum height of zoning district (or 25 ft. where adjacent to residential districts or uses.		Yes	
Required Conditions (Sec. 5.7.3.B)	Electrical service to light fixtures shall be placed underground Flashing light shall not	"Lighting Notes" added to Site Plan (Sheet 5)	Yes	

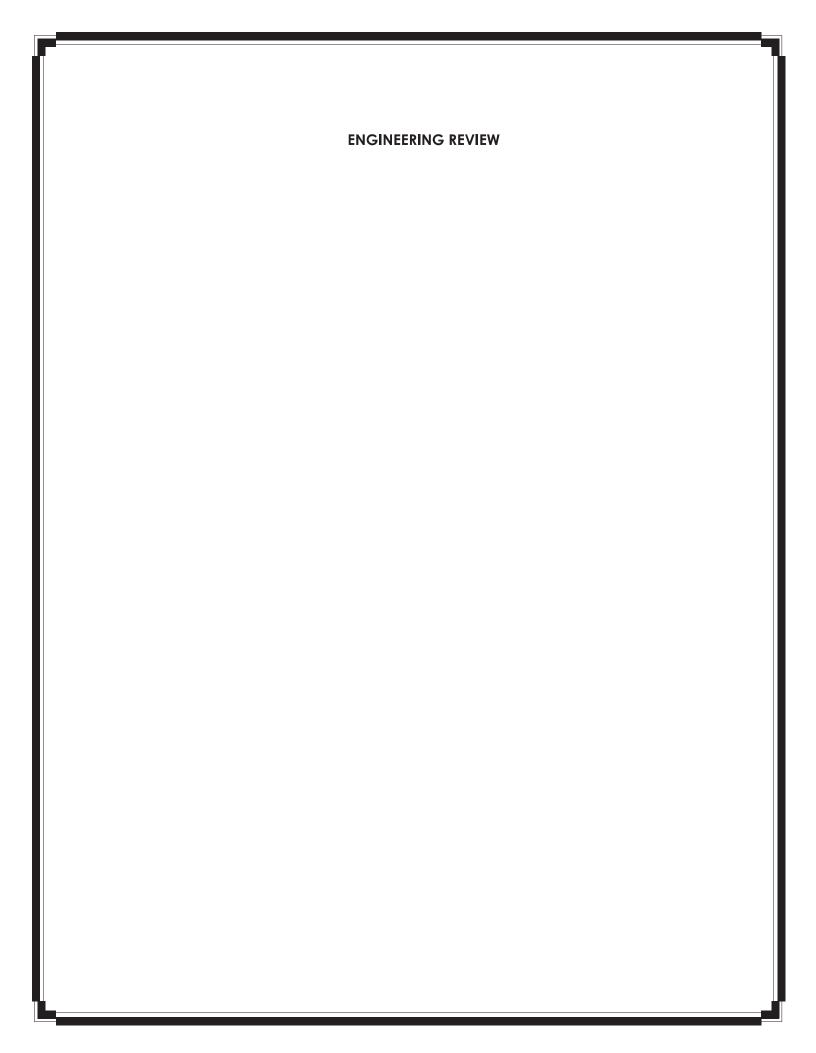
Item	Required Code	Proposed	Meets Code	Comments
	be permitted - Only necessary lighting for security purposes & limited operations shall be permitted after a site's hours of operation			
Indoor Lighting (Sec. 5.7.3.H)	Indoor lighting shall not be the source of exterior glare or spillover	"Lighting Notes" added to Site Plan (Sheet 5)	Yes	
Security Lighting (Sec. 5.7.3.1) Lighting for security purposes shall be directed only onto the area to be secured.	 All fixtures shall be located, shielded and aimed at the areas to be secured. Fixtures mounted on the building and designed to illuminate the facade are preferred 	"Lighting Notes" added to Site Plan (Sheet 5)	Yes	
Color Spectrum Management (Sec. 5.7.3.F)	Non-Res and Multifamily: For all permanent lighting installations - minimum Color Rendering Index of 70 and Correlated Color Temperature of no greater than 3000 Kelvin	Lithonia LED 70-80 CRI, 3000K proposed	Yes	
Parking Lot Lighting (Sec. 5.7.3.J)	 Provide the minimum illumination necessary to ensure adequate vision and comfort. Full cut-off fixtures shall be used to prevent glare and spillover. 	Lithonia D-Series External Glare Shield proposed	Yes	
	Parking areas: 0.2 min	0.2 min	Yes	
	Loading & unloading areas: 0.4 min	0.8 min	Yes	
Min. Illumination	Walkways: 0.2 min	0.5 min	Yes	
(Sec. 5.7.3.k)	Building entrances, frequent use: 1.0 min	2.6 min	Yes	
	Building entrances, infrequent use: 0.2 min	1.6 min	Yes	
Average Light Level (Sec.5.7.3.L)	Average light level of the surface being lit to the lowest light of the surface being lit shall not exceed 4:1	2.7:1	Yes	
Max. Illumination adjacent to Non-Residential (Sec. 5.7.3.K)	When site abuts a non- residential district, maximum illumination at the property line shall not exceed 1 foot candle	0.5 Maximum	Yes	

Revised Preliminary Site Plan Planning Review Planning Review Summary Chart

Item	Required Code	Proposed	Meets Code	Comments
Cut off Angles (Sec. 5.7.3.L)	When adjacent to residential districts - All cut off angles of fixtures must be 90° - maximum illumination at the property line shall not exceed 0.5 foot candle	Cut off angles appear to comply.	NA	

NOTES:

- 1. This table is a working summary chart and not intended to substitute for any Ordinance or City of Novi requirements or standards.
- 2. The section of the applicable ordinance or standard is indicated in parenthesis. Please refer to those sections in Article 3, 4 and 5 of the zoning ordinance for further details
- 3. Please include a written response to any points requiring clarification or for any corresponding site plan modifications to the City of Novi Planning Department with future submittals.





PLAN REVIEW CENTER REPORT

10/31/2024

Engineering Review

Haggerty - HEFCO JSP24-0022

APPLICANT

Hefco Haggerty LLC

REVIEW TYPE

Preliminary Site Plan

PROPERTY CHARACTERISTICS

Site Location: West side of Haggerty Rd just south of Country Club Dr

Site Size: 9.47 acresPlan Date: 10/04/2024

Design Engineer: Boss Engineering

PROJECT SUMMARY

- Construction of an approximately 37,725 square-foot commercial building and associated parking. Site access would be provided via public roadways.
- Water service would be provided by a 12-inch extension from the existing 12-inch water main along the west side of Haggerty Road. A 2-inch domestic lead and a 6-inch fire lead would be provided to serve the building, along with four additional hydrants along the looped system.
- Sanitary sewer service would be provided by creating an 8-inch main extension from the existing 18-inch sanitary sewer along the west side of Haggerty Road. A 6-inch lead would be provided to serve the building, along with a monitoring manhole.
- Storm water would be collected by two storm sewer collection systems and discharged to an on-site detention basin.

RECOMMENDATION

Approval of the Preliminary Site Plan is recommended, with items to be addressed at Final Site Plan submittal.

Comments:

The Preliminary Site Plan meets the general requirements of the design and construction standards as set forth in <u>Chapter 11 of the City of Novi Code of Ordinances</u>, the Storm Water Management Ordinance and the <u>Engineering Design Manual</u> with the following items to be addressed at the time of Final Site Plan submittal:

General

- 1. Provide at least two reference benchmarks at intervals no greater than 1,200 feet. At least one referenced benchmark must be a City-established benchmark, refer to <u>City of Novi Survey Benchmarks Arch Map</u>.
- 2. Provide a note on the plans that all work shall conform to the current City of Novi standards and specifications.
- 3. **Only at the time of the printed Stamping Set submittal**, provide the City's standard detail sheets for water main (5 sheets), sanitary sewer (3 sheets), storm sewer (2 sheets), and paving (2 sheets). The most updated details can be found on the City's website under Engineering Standards and Construction Details.
- 4. Provide soil borings and a geotechnical investigation for the location of the detention basin. If infiltration is explored as an option in later reviews, an infiltration study will also be required.
- 5. A same-side driveway spacing of the Southern entrance drive with respect to the adjacent drive to the south (85' proposed vs. 230' required) is deficient according to City of Novi standards. However, the traffic review by AECOM mentions that RCOC has approved of these locations. Please provide us with a copy of this communication from RCOC for our records.
 - Commercial drive approaches (<u>Section 11-216 (d)</u>) must be spaced according to the following minimum standards:

Road speed (mph)	Driveway spacing* (feet)
20	85
25	105
30	125
35	150
40	185
45	230
50+	275

- * Near approach curb to near approach curb on same side of street. Does not apply to a single one-way pair of driveways meeting city standards.
 - 6. The dedication of the master-planned right-of-way is requested for the project. Label the additional right-of-way width to be dedicated along Haggerty as "proposed" right-of-way.
 - 7. Provide a traffic control sign table listing the quantities of each **permanent** sign type proposed for the development. Provide a note along with the table stating all traffic signage will comply with the current MMUTCD standards.

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- 8. Traffic signs in the Road Commission for Oakland County (RCOC) right-of-way will be installed by RCOC.
- 9. Provide a traffic control plan for the proposed road work activity.
- 10. Provide a note that compacted sand backfill (MDOT sand Class II) shall be provided for all utilities within the influence of paved areas; illustrate and label on the profiles.
- 11. Provide a construction materials table on the utility plan listing the quantity and material type for each utility (water, sanitary and storm) being proposed.
- 12. Provide a utility crossing table indicating that at least 18-inch vertical clearance will be provided, or that additional bedding measures will be utilized at points of conflict where adequate clearance cannot be maintained.
- 13. Where the minimum 18-inch clearance at utility crossings cannot be achieved, provide a prominent note stating the substandard clearance and that proper bedding/encasement will be determined by the inspecting engineer.
- 14. Provide a note stating if dewatering is anticipated or encountered during construction, then a dewatering plan must be submitted to the Engineering Division for review.
- 15. Generally, all proposed trees shall remain outside utility easements. Where proposed trees are required within a utility easement, the trees shall maintain a minimum 5-foot horizontal separation from water main and storm sewer and 10-foot horizontal separation from sanitary sewer. All utilities shall be shown on the landscape plan, or other appropriate sheet, to confirm the separation distance.
- 16. Show the locations of all light poles on the utility plan and indicate the typical foundation depth for the pole to verify that no conflicts with utilities will occur. Light poles in a utility easement will require a License Agreement.
- 17. grading and SESC sheets shall show the tree fence at least as far from the trunk as the critical root zone, defined as a circular area around a tree with a radius measured to the tree's longest dripline radius plus one (1) foot. No grading shall occur within the dripline. If the critical root zone is not fully protected, then replacements for that tree may be required.

Water Main

- 18. Show a 20-foot wide proposed watermain easement around the relocated hydrant assembly east of the building if it is outside of the existing watermain easement. Please show and label the existing watermain easement as well. Also, this hydrant seems to be right above the gas line going N/S there, it should be moved to give more horizontal spacing from the gas line.
- 19. Place the hydrants at least 7 feet off back of curb (allowing 3-foot clearance from sidewalk).
- 20. A tapping sleeve, valve and well is required at the connection to the existing water main.

- 21. Water Systems must have the ability to serve at least <u>four thousand (4,000)</u> <u>gallons</u> per minute in office, industrial and shopping centers.
- 22. Provide additional valves to limit pipe runs to a maximum of 800 feet between valves.
- 23. Per current EGLE requirement, provide a profile for all proposed water main 8-inch and larger.
- 24. 6-inch hydrant leads are allowed for leads less than or equal to 25 feet in length. 8-inch leads are required for leads greater than 25 feet in length.
- 25. All gate valves 6" or larger shall be placed in a well with the exception of a hydrant shut off valve. A valve shall be placed in a box for water main smaller than 6".
- 26. Valves shall be arranged so that no single line failure will require more than eight hundred (800) feet of main to be out of service.
- 27. In the general notes and on the profile, add the following note: "Per the Ten States Standards Article 8.8.3, one full 20-foot pipe length of water main shall be used whenever storm sewer or sanitary sewer is crossed, and the pipe shall be centered on the crossing, in order to ensure 10-foot separation between water main and sewers." Additionally, show the 20-foot pipe lengths on the profile.
- 28. A sealed set of utility plans along with the <u>Michigan Department of Environment</u>, <u>Great Lakes & Energy (EGLE) permit application</u> for water main construction, the <u>Streamlined Water Main Permit Checklist</u>, <u>Contaminated Site Evaluation Checklist</u>, <u>Basis of Design</u>, and an electronic version of the utility plan should be submitted to the Engineering Division for review, assuming no further design changes are anticipated. Utility plan sets shall include only the cover sheet, any applicable utility sheets, and the standard detail sheets.

Irrigation Comments

29. If irrigation is proposed, include an irrigation letter and containment letter for review. Also, include containment notes on irrigation sheets as well.

Sanitary Sewer

- 30. The 20-foot-wide sanitary sewer easement is called out as 5' beyond the 60' ROW in multiple ways on the sewer plan and profile sheet. Please make all callouts to the sanitary easement consistent.
- 31. Provide a sanitary sewer monitoring manhole, unique to this site, within a dedicated access easement or within the road right-of-way. If not in the right-of-way, provide a 20-foot-wide access easement to the monitoring manhole from the right-of-way (rather than a public sanitary sewer easement).
- 32. Provide a sanitary sewer basis of design for the development on the utility plan sheet. (Calculations should use peaking factor of 4.0 and 3.2 People/REU, peaking factor of 4.0 is only for sanitary not for water main).
- 33. Provide a note on the Utility Plan and sanitary profile stating the sanitary leads will be buried at least 5 feet deep where under the influence of pavement.
- 34. For 8-inch and larger extensions Provide a testing bulkhead immediately upstream of the sanitary connection point.

- 35. Show the monitoring manhole connection to SAN EX on the profile and include the invert elevation.
- 36. Illustrate all pipes intersecting with manholes on the sanitary profiles.
- 37. Three (3) sealed sets of revised utility plans along with the Michigan Department of Environment, Great Lakes & Energy (EGLE) permit application, electronic utility plan for sanitary sewer construction, and the Streamlined Sanitary Sewer Permit Certification Checklist should be submitted to the Engineering Division for review, assuming no further design changes are anticipated. Utility plan sets shall include only the cover sheet, any applicable utility sheets, and the standard detail sheets. It should be indicated with the application if an expedited EGLE review is requested. EGLE will charge a fee that can be paid directly to the State.

Storm Sewer

- 38. A minimum cover depth of 3 feet shall be maintained over all proposed storm sewer. Grades shall be elevated, and minimum pipe slopes shall be used to maximize the cover depth. In situations where the minimum cover <u>cannot</u> be achieved, Class V pipe must be used with an absolute minimum cover depth of 2 feet. An explanation shall be provided where the cover depth cannot be provided.
- 39. Provide a 0.1-foot drop in the downstream invert of all storm structures where a change in direction of 30 degrees or greater occurs.
- 40. Match the 0.80 diameter depth above invert for pipe size increases.
- 41. Storm manholes with differences in invert elevations exceeding two feet shall contain a 2-foot-deep plunge pool.
- 42. The minimum pipe size for storm sewers receiving surface runoff shall be 12-inch diameter.
- 43. Provide profiles for all storm sewer 12-inch and larger. All storm pipes accepting surface drainage shall be 12-inch or larger.
- 44. Label all inlet storm structures on the profiles. Inlets are only permitted in paved areas and when followed by a catch basin within 50-feet.
- 45. Label the 10-year HGL on the storm sewer profiles and ensure the HGL remains at least 1-foot below the rim of each structure.
- 46. Illustrate all pipes intersecting storm structures on the storm profiles.
- 47. Provide a schedule listing the casting type, rim elevation, diameter, and invert sizes/elevations for each proposed, adjusted, or modified storm structure on the utility plan. Round castings shall be provided on all catch basins except curb inlet structures.
- 48. Show and label all roof conductors and show where they tie into the storm sewer.
- 49. Please confirm that there will be no roof drains necessary on the east/north side of the proposed building.

Storm Water Management Plan

- 50. The Storm Water Management Plan (SWMP) for this development shall be designed in accordance with the Storm Water Ordinance and Chapter 5 of the Engineering Design Manual (updated Jan 31, 2024)
- 51. Provide calculations verifying the post-development runoff rate directed to the proposed receiving drainage course does not exceed the predevelopment runoff rate for the site.
- 52. The SWMP must address the discharge of storm water off-site, and evidence of its adequacy must be provided. This should be done by comparing pre- and post-development discharge rates. The area being used for this off-site discharge should be delineated and the ultimate location of discharge shown.
- 53. An adequate maintenance access route to the basin outlet structure and any other pretreatment structures shall be provided (15 feet wide, maximum running slope of 1V:5H, maximum cross slope of 3%, and able to withstand the passage of heavy equipment). Verify the access route does not conflict with proposed landscaping.
- 54. Provide a 5-foot-wide stone bridge/access route allowing direct access to the standpipe from the bank of the basin during high-water conditions (i.e. stone 6-inches above high-water elevation). Provide a detail and/or note as necessary.
- 55. As part of the Storm Drainage Facility Maintenance Easement Agreement, provide an access easement for maintenance over the storm water detention system and the pretreatment structure. Also, include an access easement to the detention area from the public road right-of-way.
- 56. The pretreatment structures treated flow rates should be based on the 1-year storm event intensity (~2.3 In/Hr), resulting in a flow rate of approximately 5.9 CFS. Higher flows shall be bypassed.
- 57. The primary outlet standpipe shall be designed with a secondary outer pipe with numerous holes. The stone filter would rest against this outer pipe and would help protect the outlet standpipe from clogging.
- 58. Provide a soil boring in the vicinity of the storm water basin to determine soil conditions and to establish the high-water elevation of the groundwater table. Note the bottom of the detention facility must be a minimum of **three (3) feet** above the groundwater elevation.
- 59. A 4-foot-wide safety shelf is required one foot below the permanent water surface elevation within the basin.
- 60. A 25-foot vegetated buffer shall be provided around the perimeter of the storm water basin where impervious area is directed to the basin via surface flow.
- 61. If mechanical separators are proposed, then a 3' permanent pool would not be required for the basin. If mechanical separators are not used and only the 3' permanent pool is proposed, then in the last storm structure prior to discharge into the basin would require a four-foot-deep sump and an oil/gas separator.

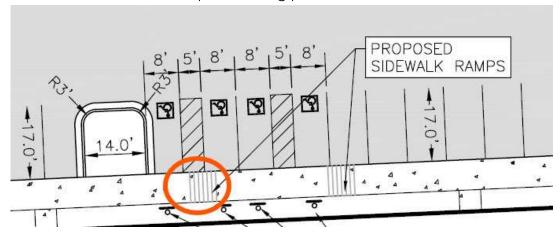
62. The drainage area table on the Grading & Drainage Plan sheet lists areas 4 to 16, but the plan view shows areas CB-5 to TD-17. Please revise this sheet to be consistent between the plan view drainage areas and those listed in the table.

Paving & Grading

- 63. Provide a construction materials table on the Site Plan sheet listing the quantity and material type for each pavement cross-section being proposed.
- 64. Provide a minimum of 6 spot elevations where the pathway crosses each driveway (one at each corner and two in the center of the driveway on each side of the pathway). Spot elevations shall be provided to demonstrate a level landing adjacent to each side of the pathway crossing.
- 65. No more than 1/4" vertical obstacle shall be allowed at each transition between the pathway and the drive approach.
- 66. Detectable warning plates are required at all barrier-free ramps, hazardous vehicular crossings and other areas where the sidewalk is flush with the adjacent drive or parking pavement. The barrier-free ramps shall comply with current MDOT specifications for ADA Sidewalk Ramps.
- 67. Label specific ramp locations on the plans where the detectable warning surface is to be installed.
- 68. Specify the product proposed and provide a detail for the detectable warning surface for barrier free ramps. The product shall be the concrete-embedded detectable warning plates, or equal, and shall be approved by the Engineering Division. Stamped concrete will not be acceptable.
- 69. Verify the slopes along the ingress/egress routing to the building from the barrier-free stalls. All barrier-free stalls shall comply with Michigan Barrier-Free regulations.
- 70. Provide existing and proposed contours on the Grading Plan at the time of the Final Site Plan submittal.
- 71. Provide at least 3-foot of buffer distance between the sidewalk and any fixed objects, including hydrants and irrigation backflow devices. Include a note on the plan where the 3-foot separation cannot be provided.
- 72. Site grading shall be limited to 1V:4H (25-percent), excluding landscaping berms. Numerous areas appear to exceed this standard.
- 73. The grade of the drive approach shall not exceed 2-percent within the first 25 feet of the intersection. Provide spot grades as necessary to establish this grade.
- 74. The sidewalk within the right-of-way shall continue through the drive approach. The thickness of the sidewalk shall be increased to 8 inches across the drive approach. Provide additional spot grades as necessary to verify the maximum 2-percent cross-slope is being maintained along the walk.
- 75. Per MDOT Special Provision for Crushed Concrete; the use of crushed concrete is prohibited on the project within 100 feet of any water course (stream, river, county drain, etc.) and lake, regardless of the application of location of the water course or lake relative to the project limits. Add note to

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- use 21AA crushed limestone base for any pavement within 100 feet of a water course.
- 76. Provide spot grades along property lines adjacent to perimeter curb at 20-foot intervals to demonstrate site drainage is self-contained.
- 77. Provide additional spot grades as necessary to demonstrate that a minimum 5-percent slope away from the building is provided for a minimum distance of ten feet around the perimeter of the building in landscaped/grass areas.
- 78. The end islands shall conform to the City standard island design, or variations of the standard design, while still conforming to the standards as outlined in Section 2506 of Appendix A of the Zoning ordinance (i.e. 2' minor radius, 15' major radius, minimum 10' wide, 3' shorter than adjacent 19' stall).
- 79. Provide top of curb/walk and pavement/gutter grades to indicate height of curb adjacent to parking stalls or drive areas.
- 80. Dimensions of parking stalls abutting a curb or sidewalk are to the face of curb or walk. All other dimensions are to back of curb unless otherwise indicated.
- 81. Curbing and walks adjacent to the end of 17-foot stalls shall be reduced to 4-inches high (rather than the standard 6-inch height to be provided adjacent to 19-foot stalls). Additionally, 2-foot overhang should be provided adjacent to 17-foot parking stalls (show 2-foot overhang on paving sheets). Provide additional details as necessary. Sidewalk width should be adjusted to 8-feet wide in order to have the required 2-foot overhang, if overhang cannot be provided in this area 19-foot stalls with 6-inch curb should be proposed.
- 82. Label the actual usable length of the proposed angled parking stalls. This is done by measuring between parallel lines representing the position at the front and rear of the car, without the rear of the car conflicting with the maneuvering aisle.
- 83. The ramp shown below is in the middle of the ADA accessible walkway. Please shift the location of the ramp accordingly.



Soil Erosion and Sediment Control

84. A SESC permit is required (link to <u>Soil Erosion Permit Application</u>). A review will be done when a completed packet is submitted to Sarah Marchioni at Community Development.

Off-Site Easements

- 85. Any off-site utility easements anticipated must be executed **prior to Stamping Set Approval**. If you have not already done so, drafts of the easements and a recent title search shall be submitted to the Community Development Department as soon as possible for review and shall be approved by the Engineering Division and the City Attorney prior to executing the easements.
- 86. Approval from the neighboring property owner for the work associated with the off-site sanitary sewer shall be forwarded to the Engineering Division **prior** to Stamping Set approval.

The following must be submitted with the Final Site Plan:

- 87. A letter from either the applicant or the applicant's engineer must be submitted with the Stamping Set highlighting the changes made to the plans addressing each of the comments listed above <u>and indicating the revised sheets involved</u>. Additionally, a statement must be provided stating that all changes to the plan have been discussed in the applicant's response letter.
- 88. An itemized construction cost estimate must be submitted to the Community Development Department for the determination of plan review and construction inspection fees. This estimate should only include the civil site work and not any costs associated with construction of the building or any demolition work. The estimate must be itemized for each utility (water, sanitary, storm sewer), on-site paving (square yardage, should include number do detectable warning plates), right-of-way paving (including proposed right-of-way), grading, and the storm water basin (basin construction, control structure, pre-treatment structure and restoration).

The following must be submitted with the Stamping Set:

(Please note that all documents must be submitted together as a package with the Stamping Set submittal with the legal review transmittal form that is attached to this review letter. Partial submittals will <u>not</u> be accepted. Links to the PDF copy of the easements are below, word document versions of each legal document can be found on the City's Website under <u>Forms and Permits</u>)

- 89. A draft copy of the <u>Storm Drainage Facility Maintenance Easement Agreement (SDFMEA)</u>, as outlined in the Storm Water Management Ordinance, must be submitted to the Community Development Department. Once the agreement is approved by the City's Legal Counsel, this agreement will then be sent to City Council for approval/acceptance. The SDFMEA will then be recorded at the office of the Oakland County Register of Deeds. This document is available on our website.
- 90. A draft copy of the 20-foot-wide <u>Watermain System Easement</u> onsite must be submitted to the Community Development Department.
- 91. A draft copy of the 20-foot-wide <u>Sanitary Sewer Easement</u> onsite must be submitted to the Community Development Department.

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92. A draft copy of the 20-foot-wide <u>Sanitary Sewer Monitoring Manhole Access</u>
<u>Easement</u> onsite must be submitted to the Community Development Department.

93. Executed copies of approved off-site utility easements must be submitted.

The following must be addressed prior to construction:

- 94. A pre-construction meeting shall be required prior to any site work being started. Please contact Sarah Marchioni in the Community Development Department to setup a meeting (248-347-0430). Be advised that scheduling the pre-construction meeting can take 2-4 weeks.
- 95. A City of Novi Grading Permit will be required prior to any grading on the site. This permit will be issued at the pre-construction meeting (no application required). No fee is required for this permit.
- 96. Material certifications must be submitted to Spalding DeDecker for review prior to the construction of any onsite utilities. Contact Ted Meadows at 248-844-5400 for more information.
- 97. Construction inspection fees in the amount of **\$TBD** must be paid to the Community Development Department. **fees are subject to change.
- 98. Off-Site Legal exhibit review fees in the amount of **\$TBD** must be paid to the Community Development Department. **(ONLY FOR OFF-SITE DOCUMENTS)**
- 99. Legal escrow fees in the amount of \$TBD must be deposited with the Community Development Department. All unused escrow will be returned to the payee at the end of the project (except for escrows that are \$50 or less). This amount includes engineering legal fees only. There may be additional legal fees for planning legal documents. **fees are subject to change.
- 100. Legal fees for off-site easements should be paid as soon as possible so that documents can be approved.
- 101. A storm water performance guarantee in the amount of **\$TBD** (Equal to 120% of the cost required to complete the storm water management facilities) as specified in the Storm Water Management Ordinance must be posted at the Community Development Department.
- 102. Water and Sanitary Sewer Fees must be paid prior to the pre-construction meeting. Contact the Treasury Department at 248-347-0498 to determine the amount of these fees.
- 103. A street sign financial guarantee in the amount of **\$TBD** (\$400 per traffic control sign proposed) must be posted at the Community Development Department. Signs must be installed in accordance with MMUTCD standards.
- 104. A traffic control inspection fee of **\$TBD** must be paid to Community Development. This fee is the inspection of traffic control items such as signs, striping, curbs, parking stalls, sidewalk, detectable warning surfaces, and temporary pavement markings.

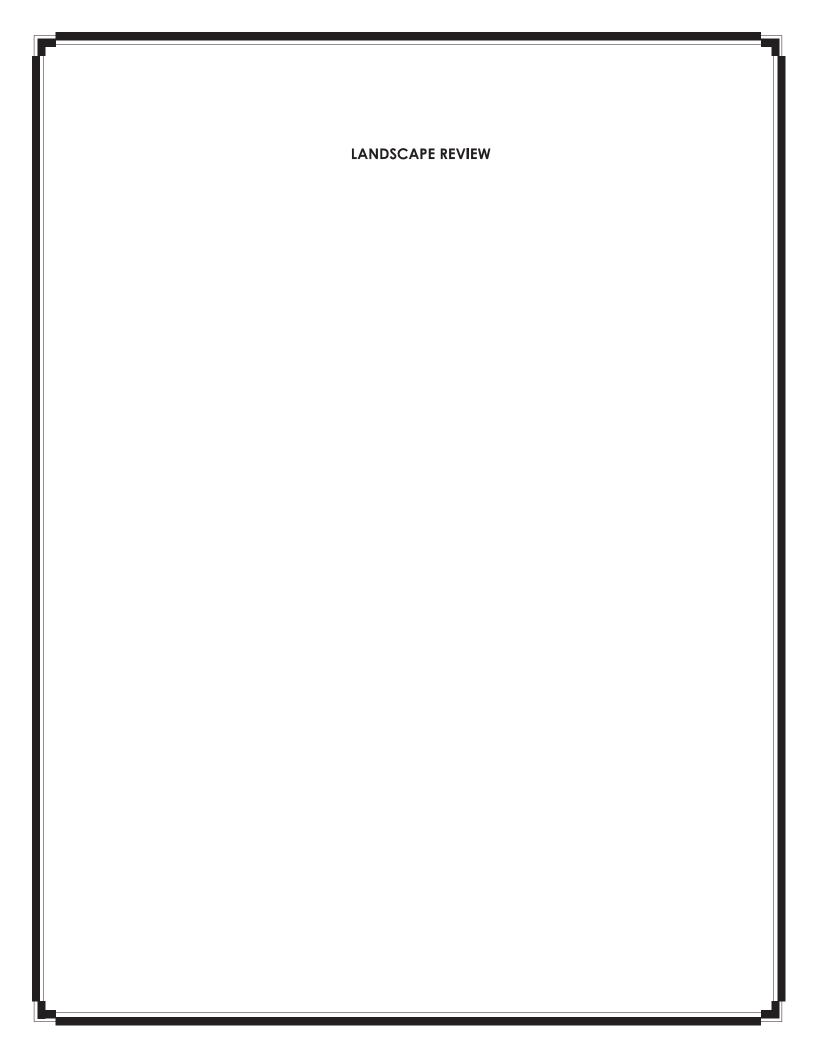
- 105. A <u>Soil Erosion Control Permit</u> must be obtained from the City of Novi. Contact Sarah Marchioni in the Community Development Department, Building Division (248-347-0430) for forms and information. The financial guarantee and inspection fees will be determined during the SESC review.
- 106. A permit for work within the road right-of-way of Haggerty Road must be obtained from the Road Commission for Oakland County (RCOC). Please contact the RCOC (248-858-4835) directly with any questions. The applicant must forward a copy of this permit to the city. Provide a note on the plans indicating all work within the road right-of-way will be constructed in accordance with the RCOC standards. Be advised that review by the RCOC may take four weeks or longer.
- 107. An Act 399 Permit for Community Water Supply Systems for water main construction must be obtained from EGLE. This permit application must be submitted through the Engineering Division after the water main plans have been approved. Please submit the cover sheet, overall utility sheet, standard details, and plan/profile sheets applicable to the permit.
- 108. A <u>Part 41 Permit For Wastewater Systems</u> for sanitary sewer construction must be obtained from EGLE. This permit application must be submitted through the Engineering Division after the sanitary sewer plans have been approved. Please submit the cover sheet, overall utility sheet, standard details and plan/profile sheets applicable to the permit. Be aware that approval by Oakland County Water Resources Commissioner (OCWRC) is required prior to submittal to EGLE.
- 109. An NPDES permit must be obtained from EGLE since the site is over 5 acres in size. EGLE may require an approved SESC plan to be submitted with the Notice of Coverage.
- 110. An inspection permit for the sanitary sewer tap must be obtained from the Oakland County Water Resources Commissioner (OCWRC).

To the extent this review letter addresses items and requirements that require the approval of or a permit from an agency or entity other than the City, this review shall not be considered an indication or statement that such approvals or permits will be issued.

Please contact Ben Nelson at (248)735-5643 or email at bnelson@cityofnovi.org with any questions.

Benjamin Velson
Ben Nelson,
Project Engineer

cc: Dan Commer, Community Development Humna Anjum, Engineering Milad Alesmail, Engineering Ben Croy, City Engineer





PLAN REVIEW CENTER REPORT February 5, 2025 27629 Haggerty Rd - HEFCO Revised Preliminary Site Plan - Landscaping

Review TypeJob #Revised Preliminary Site Plan Landscape ReviewJSP24-0022

Property Characteristics

• Site Location: 27629 Haggerty Road

Site Acreage: 9.47 ac.Site Zoning: OST

Adjacent Zoning: North, South, West: OST, East: Farmington Hills Office

• Plan Date: 1/31/2025

Ordinance Considerations

This project was reviewed for conformance with Chapter 37: Woodland Protection, Zoning Article 5.5 Landscape Standards, the Landscape Design Manual and any other applicable provisions of the Zoning Ordinance. Items in **bold** below must be addressed and incorporated as part of the revised Preliminary Site Plan submittal. Underlined items must be addressed on the Final Site Plans. Please follow guidelines of the Zoning Ordinance and Landscape Design Guidelines. This review and the accompanying Landscape Chart are summaries and are not intended to substitute for any Ordinance.

RECOMMENDATION:

This project is **recommended for approval**. There are some things that still need to be addressed but that can be done on Final Site Plans.

No landscape deviations are required for the proposed layout.

Ordinance Considerations

Existing Trees (Sec 37 Woodland Protection, Preliminary Site Plan checklist #17 and LDM 2.3 (2))

- 1. Tree survey is provided.
- 2. Wetland survey is provided.
- 3. All required woodland replacements are proposed on the site but the replacement trees shown on the east side of the pond will need to be shown elsewhere on the site.

Adjacent to Residential - Buffer (Zoning Sec. 5.5.3.B.ii and iii)

The project is not adjacent to residential property so this screening is not required.

Adjacent to Public Rights-of-Way - Berm/Wall, Buffer and Street Trees (Zoning Sec. 5.5.3.B.ii, iii)

- 1. The required landscaping is provided
- 2. If the RCOC does not allow the proposed plantings in the ROW, they don't need to be planted but a copy of their decision must be provided to the City.

Parking Lot Landscaping (Zoning Sec. 5.5.3.C.)

- 1. The required interior parking lot area and trees are proposed.
- 2. The required parking lot perimeter trees are proposed. One needs to be moved to avoid

- overcrowding with other trees on the north side of the site.
- 3. The 5 new accessway perimeter trees along the north drive need to be moved and adjusted to relieve the overcrowding.

<u>Building Foundation Landscaping (Zoning Sec 5.5.3.D</u>

The required building foundation area and plantings are proposed.

Plant List (LDM 4, 10)

- 1. 22 of 27 species (81%) proposed are native to Michigan.
- 2. The tree diversity is met for the non-woodland replacement trees.
- 3. See the landscape chart for a discussion of some of the species used.

Planting Notations and Details (LDM 10)

Provided

Storm Basin Landscape (Zoning Sec 5.5.3.E.iv and LDM 3)

- 1. The required detention basin landscaping is proposed.
- 2. An acceptable agreement between the Sheetz project and this one related to the detention pond grading and landscaping has been reached and is outlined on the landscape plan.
- 3. HEFCO will probably need to grant a temporary construction easement for the work Sheetz' contractor will do, as well as an access easement for monitoring and maintenance of the Sheetz wetland mitigation area.
- 4. Those easements, as well as the Sheetz wetland mitigation area conservation easement, should also appear on the HEFCO plans. They may be more appropriate on sheets other than the landscape plans.

Irrigation (LDM 10)

- 1. If an irrigation system will be used, a plan for it must be provided with Final Site Plans.
- 2. <u>If alternative means of providing water to the plants for their establishment and long-term</u> survival, information regarding that is also required with Final Site Plans.

If the applicant has any questions concerning the above review or the process in general, do not hesitate to contact me at 248.735.5621 or rmeader@cityofnovi.org.

Rick Meader – Landscape Architect

LANDSCAPE REVIEW SUMMARY CHART - Revised Preliminary Site Plan

Review Date: February 5, 2025

Project Name: JSP24-0022: 27629 Haggerty Road

Project Location: 27629 Haggerty Road **Plan Date:** January 31, 2025

Prepared by: Rick Meader, Landscape Architect E-mail: rmeader@cityofnovi.org;

Phone: (248) 735-5621

Items in **Bold** need to be addressed by the applicant before approval of the Preliminary Site Plan. <u>Underlined</u> items need to be addressed for Final Site Plan.

NO LANDSCAPE WAIVERS ARE REQUIRED FOR THE PROPOSED LAYOUT.

Item	Required	Proposed	Meets Code	Comments
Landscape Plan Requir	ements (Landscape Design	Manual (LDM) and Zo	ning Ordina	nce (Zoning Sec)
Landscape Plan (Zoning Sec 5.5.2, LDM 2, 10)	 New commercial or residential developments Addition to existing building greater than 25% increase in overall footage or 400 SF whichever is less. 1" = 20' minimum with proper North. Variations from this scale can be approved by LA Consistent with plans throughout set 	Landscape plan Sheet 10: 1" = 50'	Yes	
Project Information (LDM 10)	Name and Address	On landscape plan	Yes	
Owner/Developer Contact Information (LDM 10)	Name, address and telephone number of the owner and developer or association	On title block	Yes	
Landscape Architect contact information (LDM 10)	Name, Address and telephone number of RLA/PLA/LLA who created the plan	Patrick Cleary - Boss Engineering	Yes	
Sealed by LA. (LDM 10)	Requires original signature	Seal and signature provided	Yes	
Miss Dig Note (800) 482-7171 (LDM 10)	Show on all plan sheets	On Title Block	Yes	
Zoning (LDM 10)	Include all adjacent zoning	 Parcel: OST North, South, West: OST East: Farmington Hills Office 	Yes	

Item	Required	Proposed	Meets Code	Comments
Survey information (LDM 10)	Legal description or boundary line survey Existing topography	Description on Cover SheetTopo survey on Sheet 3	Yes	
Existing plant material Existing woodlands or wetlands (LDM 10)	 Show location type and size. Label to be saved or removed. Plan shall state if none exists. 	 Sheet 3 Regulated woodlands are shown on west end of site Wetlands occupy the center of the site 	Yes	See the Merjent letter for a discussion of the woodlands and wetlands.
Soil types (LDM10)	 As determined by Soils survey of Oakland county Show types, boundaries 	Sheet 3 Soil boundaries and key on landscape plan	Yes	
Existing and proposed improvements (LDM 10)	Existing and proposed buildings, easements, parking spaces, vehicular use areas, and R.O.W	All proposed layout elements are shown on the landscape plan	Yes	
Existing and proposed utilities (LDM 10)	 Overhead and underground utilities, including hydrants Include light posts 	 Utility Plan Sheet 9 Utilities are shown on the landscape plan Light posts are shown on the landscape plans 	YesYesYes	Please restore the utility lines to the landscape plan (at least the proposed sanitary line along the entry is missing)
Proposed grading. 2' contour minimum (LDM 10)	Provide proposed contours at 2' interval	Sheet 6 Coordination for the grading of the two projects' elements has been worked out between the two developers and explained with a note.	Yes	The proposed solutions, for the grading by Sheetz and 4 woodland replacements by HEFCO, are reasonable and are accepted.
Snow deposit (LDM 10)	Show snow deposit areas on plan	Yes	Yes	
LANDSCAPING REQUIRE	EMENTS			
Parking Area Landscap	e Requirements (Zoning Se	c 5.5.3.C and LDM 5)		
General requirements (LDM 5)	Clear sight distance within parking islandsNo evergreen trees	No landscaping in parking lot will block vision	Yes	
Name, type and number of ground cover (LDM 5)	As proposed on planting islands	Lawn is indicated	Yes	
General (Zoning Sec 5.	5.3.C)			

Item	Required	Proposed	Meets Code	Comments
Parking lot Islands	 A minimum of 200 SF to qualify A minimum of 200sf unpaved area per tree planted in an island 6" curbs Islands minimum width 10' BOC to BOC 	All islands are appropriately sized for the trees in them	Yes	The two oaks in the island with the hydrant are now just 10 feet apart, which is too close. The area per tree is okay, but the spacing is too tight.
Curbs and Parking stall reduction (Zoning Sec 5.3.12)	Parking stall can be reduced to 17' and the curb to 4" adjacent to a sidewalk of minimum 7 ft.	17/19 feet	Yes	
Contiguous space limit (Zoning sec 5.5.3.C)	Maximum of 15 contiguous spaces	15 spaces is the maximum bay length	Yes	
Plantings around Fire Hydrant (Zoning sec 5.5.3.C)	 No plantings with matured height greater than 12' within 10 ft. of fire hydrants Plant trees at least 5 ft from underground utility lines Plantings near hydrants or FDCs should be no taller than 12" 	Sufficient spacing is provided for all hydrants	Yes	Please add a clearly visible note stating that trees shall be at least 10 feet away from sanitary lines, hydrants and utility structures, and 5 feet away from underground utility lines.
Landscaped area (Zoning sec 5.5.3.C)	Areas not dedicated to parking use or driveways exceeding 100 sq. ft. shall be landscaped	Yes	Yes	
Clear Zones (Zoning sec 5.5.3.B.ii Footnote 10)	 25 ft corner clearance required. Refer to Zoning Section 5.5.9 Road Commission for Oakland County zone for RCOC jurisdiction roads 	The RCOC clear vision zone is now shown and no plants are within it.	Yes	
	OS-2, OSC, OST, B-1, B-2, B-3 district (Zoning Sec 5.5.3.C)		C-1, RC, Sp	ecial Land Use or non-
A = Total square footage of vehicular use areas up to 50,000sf x 7.5%	 A = x sf * 7.5 % = A sf 47,255 * 7.5% = 3544 sf 	The calculation is provided	Yes	
B = Total square footage of additional paved vehicular use areas (not including A or B) over 50,000 SF) x 1 %	• B = x sf * 1% = B sf • (xxx - 50000) * 1% = xx sf	NA		

Item	Required	Proposed	Meets Code	Comments
Category 2: For: I-1 and	1 1-2 (Zoning Sec 5.5.3.C)			
A. = Total square footage of vehicular use area up to 50,000 sf x 5%	A = x sf * 6% = A sf	NA		
B = Total square footage of additional paved vehicular use areas over 50,000 SF x 0.5%	B = 0.5% × 0 sf = B SF	NA		
All Categories				
Total square footage of landscaped islands	• C = A + B • C = 3544 + 0 = 3544 SF	3933 SF	Yes	
Number of canopy trees required D = C/200	 D = C/200 trees 3544/200 = 18 Trees 	19 trees	Yes	 As noted above, the two oaks in the island with the hydrant are only 10 feet apart. Since there is an extra interior tree, one can be removed from that island and still meet the requirement, and should be since the hydrant prevents better spacing.
Parking Lot Perimeter Trees (Zoning Sec 5.5.3.C)	1 Canopy tree per 35 If 500/35 = 14 trees Perimeter trees are not required for sides of lot where building is within 20 feet of the lot	14 canopy trees	Yes	1. Woodland replacement trees cannot be double-counted as parking lot perimeter trees. 2. Parking lot perimeter trees can be used to meet the canopy tree requirement for the eastern side of the detention pond. 3. Please add additional woodland replacement trees elsewhere on the property, within a conservation easement.
Accessway perimeter (Zoning Sec 5.5.3.C)	 1 canopy tree per 35 If on each side of road, less widths of access drives. (400+180+60+60)/35 = 	 20 trees including: 12 canopy trees along south drive 2 greenbelt trees within 15 feet of 	Yes/No	1. The sycamores and oaks along the north side of the drive are crowded too close together. Please

Item	Required	Proposed	Meets Code	Comments
	As with the parking lot perimeter trees, accessway perimeter trees are not required for sides of the drive where the building is within 20 feet of the lot	access drive • 1 existing tree along south drive • 5 trees crowded along the north access drive		move one of the trees to the south side of that drive an adjust the proposed sanitary line to provide the room needed for the 4 trees remaining on that side of the drive 2. If sufficient room cannot be gained, one of the 4 trees can be placed alon the south access drive. 3. Please move the oak, which is a parking lot perimete tree, to be along the north side of the parking lot. The tree there are spaced at about 40' o.c. so they can be shifted to about 30 feet apart and still fit 8 perimeter trees alon there.
Parking land banked (Zoning Sec 5.2.14.D)	NA	None		
Berms, Walls and ROW	Planting Requirements			
Berms (Zoning Sec 5.5.3	3.A & LDM 1)			
• Berm should be locat	n maximum slope of 33%. G red on lot line except in col structed with 6" of topsoil.	•	ouraged. S	Show 1ft. contours
Residential Adjacent to	Non-residential (Sec 5.5.3.	A & LDM 1.a)		
Berm requirements (Zoning Sec 5.5.A)	The site is not adjacent to residential property so this is not required	None	Yes	
Planting requirements (LDM 1.a.)	LDM Novi Street Tree List	NA		
	its-of-Way (Sec 5.5.3.B and	LDM 1.b)		<u>'</u>
Berm requirements (Zoning Sec 5.5.3.A.(5))	No berm is required as parking is not adjacent to the greenbelt	None	Yes	
Cross-Section of Berms	(LDM 10)			
Slope, height and	Label contour linesMaximum 33%	None	Yes	

• Min. 3 feet flat

width

Item	Required	Proposed	Meets Code	Comments
	horizontal area Minimum 3 feet high Constructed of loam with 6' top layer of topsoil.			
Type of Ground Cover		NA		
Setbacks from Utilities	Overhead utility lines and 15 ft. setback from edge of utility or 20 ft. setback from closest pole	Overhead lines exist along the Haggerty Road frontage	Yes	
Walls (Zoning Sec 5.5.3.	A & LDM 10)			
Material, height and type of construction footing	Freestanding walls should have brick or stone exterior with masonry or concrete interior	No walls exist or are proposed	NA	
Walls greater than 4 ft. should be designed and sealed by an Engineer		NA		
ROW Landscape Scree	ning Requirements (Zoning	,		
Greenbelt width	Adj to Pkg: 20 ft. Not adj to Pkg: 25 ft	The proposed additional ROW is now shown.50 ft	Yes	
Min. berm crest width	None required as there is only an access drive adjacent to the right-ofway	None	Yes	
Minimum berm height	None	None	Yes	
3' wall	(2)(3)(4)	No walls are proposed		
Canopy deciduous or large evergreen trees	 Not adj to Pkg: 1 per 60 ft (300-40)/60 = 4 trees Below lines 4 * 1.5 = 6 trees 	3 canopy trees 6 subcanopy trees	Yes	 The Firestarter blackgum's mature canopy width is not wide enough to qualify as a deciduous canopy tree. Please use the straight species instead.
Sub-canopy deciduous trees)	Not adj to Pkg: 1 per 40 ft(300-40)/40 = 7 trees	10 subcanopy trees	Yes	
Canopy deciduous trees in area between sidewalk and curb	Parking & No Parking:1 tree per 35 lf(300-60)/35 = 7 trees	13 subcanopy trees	Yes	If utility conflicts or the RCOC don't allow some or all of the trees to be

Item	Required	Proposed	Meets Code	Comments	
				planted, they don't have to be, but a copy of the RCOC decision must be provided to the City.	
Non-Residential Project	s (Zoning Sec 5.5.3.F.iii)				
Screening of outdoor storage, loading/unloading (Zoning Sec. 3.14, 3.15, 3.20, 4.55, 4.56, 5.5)	The loading area is behind the building	An llex glabra hedge has been added south of the loading zone	Yes	Please add a note stating that the hedge will be maintained at a height of at least 6 feet and include that in the master deed for the property.	
Transformers/Utility boxes (LDM 6)	 A minimum of 2ft. separation between box and the plants Ground cover below 4" is allowed up to pad. No plant materials within 8 ft. from the doors 	No transformers are shown The detail has been added to the plans	• TBD • Yes	1. When transformer locations are finalized, screening shrubs per the standard detail are required. 2. Please add 10 shrubs per expected transformer to the plant list and identify them as transformer screening shrubs so they are included in the cost estimate.	
Building Foundation Lar	ndscape Requirements (Zor	ning Sec 5.5.3.D)			
Interior site landscaping SF (Zoning Sec 5.5.3.D)	 Equal to entire perimeter of the building x 8 less door widths with a minimum width of 4 ft. A: 1099 If x 8ft = 8792 sf At least 75% of the building must be landscaped 	A: 9100 sf	Yes		
Building Frontage Landscaping (Zoning Sec 5.5.3.D)	If visible from public street a minimum of 60% of the exterior building perimeter should be covered in green space	100% of the front is landscaped	Yes		
Detention/Retention Ba	Detention/Retention Basin Requirements (Zoning Sec. 5.5.3.E & LDM 3)				
Planting requirements (Zoning Sec 5.5.3.E & LDM 3)	 Clusters of large native shrubs shall cover 70-75% of the basin rim area at 10 lf from permanent water level 10" to 14" tall grass along sides of basin Refer to wetland for 	 It appears that at least 70% of the basin rims will be landscaped with large native shrubs. The parking lot perimeter trees 	• Yes • Yes • Yes	1. Woodland replacement trees are used to meet the requirement for the south and west side, but may not be used on the east side since parking lot	

Item	Required	Proposed	Meets Code	Comments
	basin mix Deciduous canopy tree 1/35 of east, south and west sides of pond at 10 feet from permanent water level Woodland replacement trees can be used to meet the tree requirement	can serve the function of the required shading trees on the east side. • Sufficient trees are proposed on the south edge.		perimeter trees are required along there. 2. Please show the replacement trees on the east side as parking lot perimeter trees. They can be used to meet the detention pond tree requirement. 3. Please move the shrubs to within 10 feet of the water edge.
Phragmites and Japanese Knotweed Control (Zoning Sec 5.5.6.B)	 Any and all populations of Phragmites australis and/or Japanese Knotweed on site shall be included on tree survey. Treat populations per MDEQ guidelines and requirements to eradicate the weed from the site. 	 A note indicates that Phragmites exists in Wetland A Removal plans are noted in the upper left corner of Sheet 3 	• Yes • Yes	
LANDSCAPING NOTES,	DETAILS AND GENERAL REQU	JIREMENTS		
-	ize City of Novi Standard No	ptes	T	
Installation date (LDM 10)	Provide intended date	Mar - Nov	Yes	
Maintenance & Statement of intent (Zoning Sec 5.5.6 & LDM 10)	 Include statement of intent to install and guarantee all materials for 2 years. Include a minimum one cultivation in June, July and August for the 2-year warranty period. 	Guarantee note is providedMaintenance note is provided	• Yes • Yes	Please correct the landscape note #9 on Sheet 2 to show a 2-year maintenance guarantee, not 1.
Plant source (LDM 10 & 11)	Shall be northern nursery grown, No.1 grade.	Provided	Yes	
Irrigation plan (LDM 10)	 A fully automatic irrigation system or a method of providing sufficient water for plant establishment and survival is required on Final Site Plans. If irrigation won't be used, note how trees will get sufficient water 	No The response letter indicates that an irrigation system plan will be provided in the final site plans.		1. Please add an irrigation system plan or information as to how plants will be watered sufficiently for establishment and long- term survival on the Final Site Plans 2. The system should

Item	Required	Proposed	Meets Code	Comments
	for establishment and long-term survival			meet the requirements listed at the bottom of this chart. 3. If xeriscaping is used, please provide information about plantings included.
Seed		 Seed mix lists are provided. The areas where each should be placed are indicated with hatching and call-outs. 	• Yes • Yes	 Please make the seed mix species lists easier to read. Please move the note stating that "The contractor shall send proof of the seed mix to be planted before installation. Send a copy of the seed invoice or photo of the seed bag label to rmeader@cityofnovi. org" to a place near the seed mixes.
Other information (LDM 10)	Required by Planning Commission	Peat has been replaced with compost	Yes	
Establishment period (Zoning Sec 5.5.6 & LDM 10)	2 yr. Guarantee	Yes – on Sheet 11 but not on Sheet 2	Yes/No	Please correct Landscape Note #9 on Sheet 2 to read 2 years.
Approval of substitutions. (Zoning Sec 5.5.5 & LDM 10)	City must approve any substitutions in writing prior to installation.	Yes	Yes	
Plant List (LDM 10 & 11)	– Include all cost estimates			,
Quantities and sizes		Yes	Yes	
Root type	Minimum of 50%	Yes	Yes	
Botanical and common names (LDM 4 & 11)	native species used for non-woodland replacements No more than 15% species/25% genus for non-woodland replacement trees	 22 of 27 species (81%) proposed are native to Michigan The tree diversity requirement is now met 	• Yes • Yes	
Type and amount of lawn		Lawn seed	Yes	
Cost estimate (LDM 10)	For all new plantings, mulch and sod as listed on the plan	Yes	Yes	

Item	Required	Proposed	Meets Code	Comments
Planting Details/Info (LE	DM Part III) – Utilize City of N	ovi Standard Details		
Canopy Deciduous Tree		Yes	Yes	Please change rootball to root flare on the new call-out.
Evergreen Tree		Yes	Yes	Please change rootball to root flare on the new call-out.
Multi-stem Tree	Refer to LDM for detail	Yes	Yes	
Shrub	drawings	Yes	Yes	
Perennial/ Ground Cover		Yes	Yes	
Tree stakes and guys. (Wood stakes, fabric guys)		Yes	Yes	
Tree protection fencing	Located at Critical Root Zone (1' outside of dripline)	Detail on Sheet 12 Shown by trees on Demolition and SESC plan	• Yes • Yes	
Other Plant Material Re				
General Conditions	Plant materials shall not be planted within 4 ft. of property line	Yes	Yes	
Plant Materials & Existing Plant Material (LDM 11)	Clearly show trees to be removed and trees to be saved.	Shown on Sheet 3	Yes	
Landscape tree credit (LDM 11)	 Substitutions to landscape standards for preserved canopy trees outside woodlands/ wetlands should be approved by LA. Refer to Landscape tree Credit Chart in LDM 	No		
Plant Sizes for ROW, Woodland replacement and others (LDM 11)	Size determined by use detailed in LDM Table 11.b.(2)a.i Indicate on plant list	Shown on plant list	Yes	
Plant size credit (LDM	NA	No		
Prohibited Plants (LDM 11.b)	No plants on City Invasive Species List	None are proposed	Yes	
Recommended trees for planting under overhead utilities (LDM 11)	Label the distance from the overhead utilities	Overhead lines are shown along the Haggerty Road ROW line, about 14 feet high	Yes	
Collected or		None		

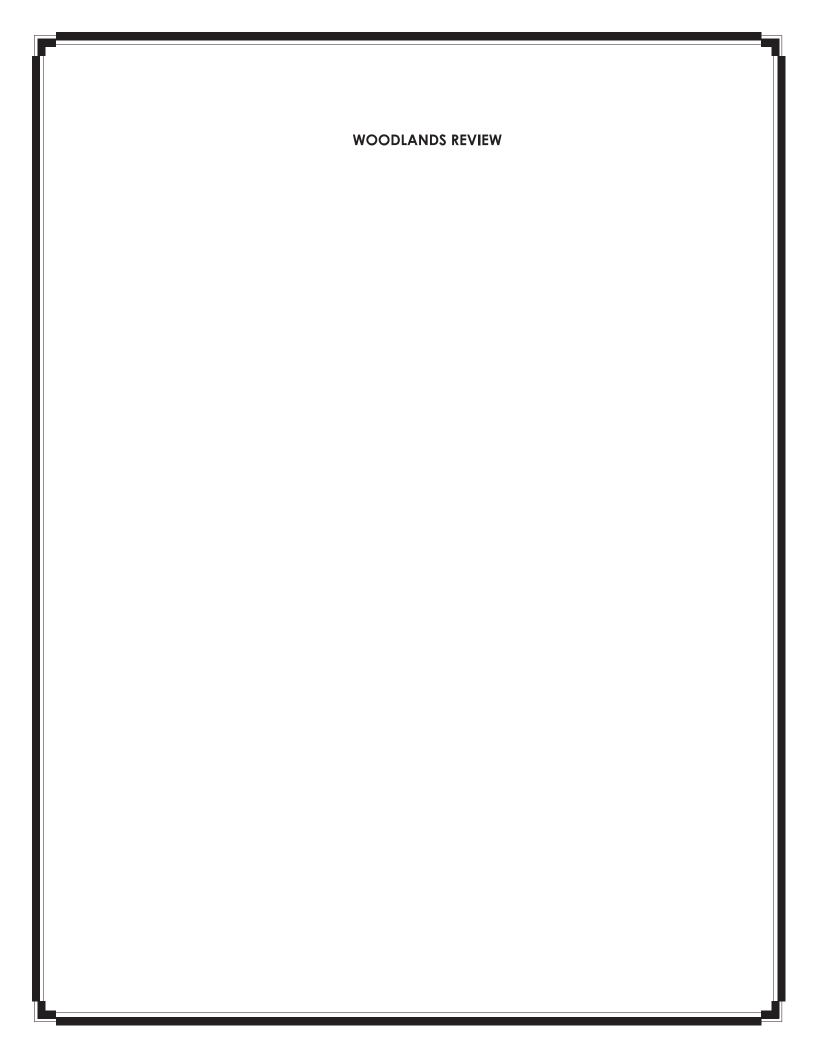
Item	Required	Proposed	Meets Code	Comments
Transplanted trees (LDM 11)				
Nonliving Durable Material: Mulch (LDM 12)	 Trees shall be mulched to 3"depth and shrubs, groundcovers to 2" depth Specify natural color, finely shredded hardwood bark mulch. Include in cost estimate. 	Yes -	Yes	

NOTES:

- 1. This table is a working summary chart and not intended to substitute for any Ordinance or City of Novi requirements or standards.
- 2. The section of the applicable ordinance or standard is indicated in parenthesis. For the landscape requirements, please see the Zoning Ordinance landscape section 5.5 and the Landscape Design Manual for the appropriate items under the applicable zoning classification.
- 3. Please include a written response to any points requiring clarification or for any corresponding site plan modifications to the City of Novi Planning Department with future submittals.

<u>Irrigation System Requirements</u>

- 1. Any booster pump installed to connect the project's irrigation system to an existing irrigation system must be downstream of the RPZ.
- 2. The RPZ must be installed in accordance with the 2015 Michigan Plumbing Code.
- 3. The RPZ must be installed in accordance with the manufacture installation instructions for winterization that includes drain ports and blowout ports.
- 4. The RPZ must be installed a minimum of 12-inches above FINISHED grade.
- 5. Attached is a handout that addresses winterization installation requirements to assist with this.
- 6. A plumbing permit is required.
- 7. The assembly must be tested after installation with results recorded on the City of Novi test report form.





October 29, 2024

Dan Commer Planner – Community Development City of Novi 45175 Ten Mile Road Novi, MI 48375

Submitted electronically to dcommer@cityofnovi.org

Re: Haggerty Hefco Preliminary Site Plan Wetland Review (JSP24-22)

Dear Dan,

Merjent, Inc. (Merjent) has conducted a review of the preliminary site plan (PSP) for the proposed project located at 27629 Haggerty Road (site; parcel 50-22-13-200-018) prepared by Boss Engineering (issue date 5/15/2024; rev. date 10/4/2024). The site contains City of Novi (City)-regulated woodlands (**Figure 1**) and City-regulated wetlands (**Figure 2**).

Woodlands

Woodland Recommendation: Merjent **recommends approval** of the proposed project located at 27629 Haggerty Road. Additional Woodland Review comments have been provided below to meet the requirements of the Woodland Protection Ordinance. The following Woodland Regulations apply to this site:

Woodland Regulation	Required
Woodland Permit (Chapter 37, Section 37-26)	Yes
Tree Replacement (Chapter 37, Section 37-8)	Yes
Tree Protection (Fence; Chapter 37, Section 37-9)	Yes
Woodland Conservation Easement (Chapter 37-30[e])	No

Woodland Review Comments

- 1. City-regulated woodlands, as identified on the City of Novi Woodlands interactive map website, are present onsite. Note that both the woodlands and property limits depicted on the City map are considered approximations (**Figure 1**).
- Merjent conducted a site visit on October 18, 2024 to review the site conditions relative to the PSP submittal. Site photographs are included in **Attachment A**. The on-site conditions reflect the conditions listed in the PSP.
- 3. When a proposed site plan is located within a regulated woodland, any tree proposed for removal with a diameter at breast height (DBH) greater than or equal to eight inches will require tree replacement

and a Woodland Use Permit per Section 37-8. This also applies to any tree that will be preserved, but where impacts to critical root zones are proposed.

- 4. Regardless of the presence of regulated woodlands onsite, a Woodland Use Permit is required to perform construction on any site containing the removal of trees larger than 36 inches DBH. No trees on-site are larger than 36 inches DBH.
- 5. The plan has proposed to impact three regulated trees. Other trees to be impacted are outside of City-regulated woodlands. A Woodland Use Permit is required to perform construction on any site containing regulated woodlands. Because three trees are proposed for removal, Planning Commission Approval is required.
- 6. **Woodland Replacement**. Based on a review of the plan, the following woodland replacements are required:

Tree Size (DBH, inches)	Number of Trees	Ratio Replacement/Removed Tree	Total Replacements Required
8-11	0	1	0
12-20	0	2	0
21-29	2 ¹	3	6
30+	1	4	4
Multi-stem	0	Sum of Stem DBH/8 (rounded up)	0
Total	12	-	•
		Total Replacements Required	10

¹Trees 635 and 637 are depicted on the Demolition Plan (Sheet 4) as being removed. The list of trees to be removed on the Demolition Plan did not include Trees 635 and 637. For the purposes of this review Trees 635 and 637 were assumed to be proposed for removal or within the Critical Root Zone.

Sheet 4 provides a summary of the trees to be removed for the proposed project.

It should be noted that the applicant states on Sheet 11 that 23 replacement trees are required. Most of the trees that are proposed to be removed are not regulated woodland trees and only Trees 635-637 are required to be replaced under Chapter 37.

- 7. A replacement plan and cost estimate for the tree replacement will be necessary prior to final site plan approval by the City. Woodland replacement credits can be provided by:
 - a. Planting the woodland tree replacement credits on-site.
 - b. Payment to the City of Novi Tree Fund at a rate of \$400/woodland replacement credit.
 - c. Combination of on-site tree planting and payment into the City of Novi Tree Fund (\$400/woodland replacement credit).

The applicant has proposed planting 10 trees on-site for the impacts. For the tree replacement credits that will be planted on-site, a financial guarantee of \$400/tree replacement credit is required to ensure the planting of the on-site woodland replacement credits. The financial guarantee will be released after trees have been planted and approved by the City of Novi. The applicant must request



a tree planting inspection. Based on the current site plan, a financial guarantee of \$4,000 will be required.

Woodland replacements shall be guaranteed for two growing seasons after the applicant's installation and the City's acceptance. A two-year maintenance bond in the amount of 25% of the value of the trees, but in no case less than \$1,000, shall be required to ensure the continued health of the trees following acceptance. Based on the current site plan, a maintenance bond of \$1,000 will be required. Based on a successful inspection two years after installation of the on-site Woodland Replacement trees, the Woodland Replacement Performance Guarantee shall be returned to the Applicant. The Applicant is responsible for requesting this inspection. See Chapter 26.5, Section 26.5-37 for additional information.

With no remaining trees from the impacts, no payment will be required to the City of Novi Tree Fund.

- 8. **Critical root zone**. Accurate critical root zones must be depicted on the site plan for all regulated trees within 50 feet of the proposed grading or construction activities. Section 37-2 defines a critical root zone as a circular area around a tree with a radius measured to the tree's longest dripline radius plus one foot.
 - a. The applicant has accurately depicted root zones on Sheet 4. Trees 635 and 637 are depicted on Sheet 4 as being removed. The list of trees to be removed on Sheet 4 does not include Trees 635 and 637 and it is not clear if this is intended to indicate impacts to the Critical Root Zone of Trees 635 and 637.
- 9. A **woodland fence guarantee of \$6,000** (\$5,000 x 120%) is required per Chapter 26.5-37. The financial guarantee shall be paid prior to issuance of the City of Novi Woodland Use Permit.
- 10. Woodland Replacement Inspection The Applicant is responsible for walking the entire site to confirm that all woodland replacement trees/shrubs have been planted on site according to the approved site plan stamping set. If any material is missing, dead or dying, replacements should be made prior to requesting the inspection. The applicant should also provide an as-built landscape plan if the trees planted do not match the species and/or location shown on the approved site plan stamping set. Once this occurs the Applicant should contact the Bond Coordinator to schedule the inspection (Angie Sosnowski at asosnowski@cityofnovi.org; 248-347-0441) and complete the inspection request form. If additional inspections are needed, then additional inspection fees will be required to be paid by the applicant.
- 11. Woodland Guarantee Inspection Prior to requesting the 2-year woodland guarantee inspection, the Applicant is responsible for walking the entire site to confirm that all plant material has survived and is healthy. If any material is missing, dead or dying, replacements should be made prior to requesting the inspection. Once this occurs the Applicant should contact the Bond Coordinator to schedule the 2-year guarantee inspection (Angie Sosnowski at asosnowski@cityofnovi.org / 248-347-0441) and complete the inspection request form. If additional inspections are needed, then additional inspection fees will be required to be paid by the applicant. Based upon a successful inspection for the 2-year warranty the Landscape/Woodland/Street trees financial guarantee will be returned to the Applicant.



If the woodland replacements, street trees, or landscaping guarantee period is scheduled to end during the period when inspections are not conducted (November 15th – April 15th) the Applicant is responsible for contacting the Bond Coordinator and Woodland/Landscape Inspector in the late summer/early fall prior to the 2-year expiration to schedule an inspection.

12. The Applicant may be required to provide preservation/conservation easements as directed by the City of Novi Community Development Department for any areas of woodland replacement trees. The applicant shall demonstrate that all proposed woodland replacement trees and existing regulated woodland trees to remain will be guaranteed to be preserved as planted with a conservation easement or landscape easement to be granted to the city. This language shall be submitted to the City Attorney for review. The executed easement must be returned to the City Attorney within 60 days of the issuance of the City of Novi Woodland permit. Any associated easement boundaries shall be indicated on the Plan.

Wetlands

Wetland Recommendation: Merjent **recommends approval** of proposed project located at 27629 Haggerty Road based on the comments provided below.

Upon review of published resources, the Site appears to contain or immediately borders:

- ☑ City-regulated wetlands, as identified on the City of Novi interactive map website. Note that both wetland and property limits depicted on the City's map are considered approximations (**Figure 2**).
- Wetlands that are regulated by the Michigan Department of Environment, Great Lakes, and Energy (EGLE).
- Wetlands as identified on National Wetland Inventory (NWI) and Michigan Resource Inventory System (MIRIS) maps, as identified on the EGLE Wetlands Viewer interactive map website (maps included in previous reviews). NWI and MIRIS wetlands are identified by the associated governmental bodies' interpretation of topographic data and aerial photographs.
- Mydric (wetland) soil as mapped by the U.S. Department of Agriculture, Natural Resource Conservation Service, as identified on the EGLE Wetlands Viewer interactive map website.

Merjent conducted a site visit on October 18, 2024 and observed conditions on-site consistent with the provided PSP. The PSP identified two emergent/scrub-shrub wetlands (Wetlands A and B) on-site.

Permits and Regulatory Status

The City of Novi Code of Ordinances, Chapter 12, Article V defines an essential wetland as meeting one or more of the criteria listed in subsections 12-174(b)(1) through (10). It is Merjent's opinion that the delineated wetlands on-site provide the functional characteristics of stormwater storage capacity and/or wildlife habitat.

Due to the comments below, the following wetland-related considerations may be required for this project (**Table 1**):

Table 1. Permitting Considerations

Item	Required/Not Required		
Wetland Permit (specify Non-minor or Minor)	Required, Minor		
Wetland Mitigation	Not Required		
Environmental Enhancement Plan	Not Required		



Item	Required/Not Required		
Wetland Buffer Authorization	Required		
EGLE Wetland Permit	Required, obtained		
Wetland Conservation Easement	Not Required		

Wetland Review Comments

- 1. As stated above, Merjent conducted a site visit on October 18, 2024. Select photos are included in **Attachment A**.
- Impacts to Wetland A will result from construction of the stormwater basin outfall. A non-residential
 minor use permit will be required. EGLE has issued Part 303: Wetlands Protection Permit Number
 WRP042863 v.1 to discharge pre-treated and detained stormwater upland of Wetland A through a 15"
 diameter outfall structure.
- 3. In addition to wetlands, the City of Novi regulates wetland and watercourse buffers/setbacks. Article 3.0 (Section 3.6 [M]) of the Zoning Ordinance states: "There shall be maintained in all districts a wetland and watercourse setback, as provided herein, unless and to the extent, it is determined to be in the public interest not to maintain such a setback. The intent of this provision is to require a minimum setback from wetlands and watercourses". The established wetland and watercourse buffer/setback limit is 25 horizontal feet, regardless of grade change. The location and area of affected wetland buffers/setbacks must be identified on site development plans.
 - a. The 25-foot setback buffer is identified on the PSP.
 - b. As noted in the PSP, there are 5,804 square feet of proposed impacts within the 25-foot natural features setback. Therefore, a wetland buffer authorization is needed for this project.
- 4. The City of Novi requires the boundary lines of any watercourses or wetlands on the Site to be clearly flagged or staked and such flagging/staking shall remain in place throughout the conduct of permit activity (Section 12-172). The site does not need to be re-flagged during the site plan review process, but prior to construction, the wetlands should be marked or identified for avoidance in the field if the original flagging is removed or has deteriorated.
- 5. Merjent understands that the western portion of the site will be used as the wetland mitigation site for the proposed JSP23-33 Sheetz. The proposed stormwater basin may interfere with the proposed mitigation site (or vice-versa). To accommodate both the stormwater basin and the proposed mitigation site, changes may be required to the outline of the basin. The applicant is encouraged to work with all parties to ensure both the mitigation site can succeed while meeting the original objectives of this project. It should be noted that in Section 5.5.E (Landscape Standards) of the City of Novi Zoning Ordinance, basins should be designed to have a natural appearance, utilizing natural-looking contours and native plant materials wherever possible. The most recent proposed mitigation area is included as Attachment B.

Should you have any questions or concerns with this review, please contact me via email at jason.demoss@merjent.com or via phone at (619) 944-3835.



Sincerely,

Merjent, Inc.

Jason DeMoss, PWS Environmental Consultant

kuen Demoll

Ken Leister

Environmental Consultant

Enclosures:

Figure 1 – City of Novi Woodlands Map Figure 2 – City of Novi Wetlands Map Attachment A – Site Photographs Attachment B – Proposed Adjacent Mitigation

CC:

Diana Shanahan, City of Novi, dshanahan@cityofnovi.org
Rick Meader, City of Novi, rmeader@cityofnovi.org
Barbara McBeth, City of Novi, bmcbeth@cityofnovi.org
Ken Leister, Merjent, ken.leister@merjent.com
Robb Roos, Merjent, Robb.roos@merjent.com





Figure 1. City of Novi Regulated Woodlands Map
Approximate Site boundary is shown in Red.
(Approximate) Regulated Woodland areas are shown in Green.



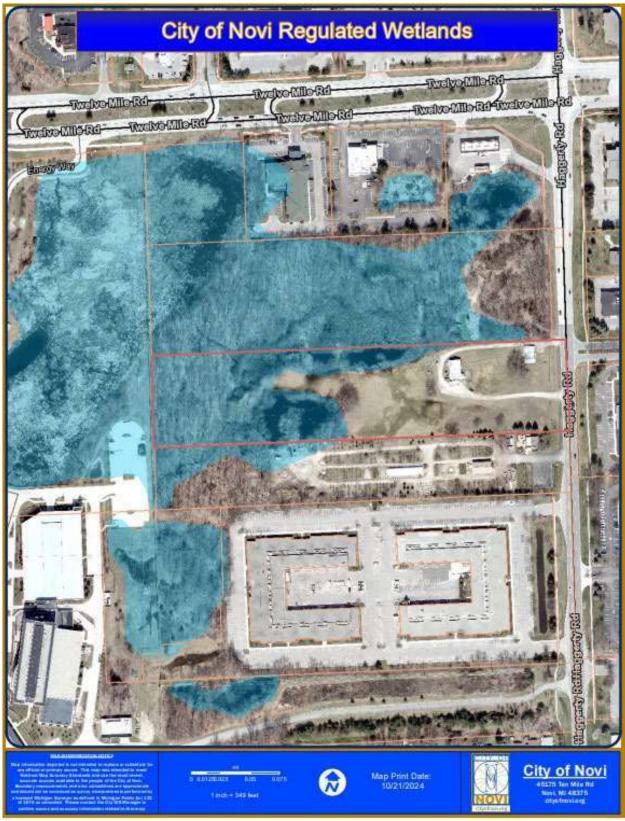
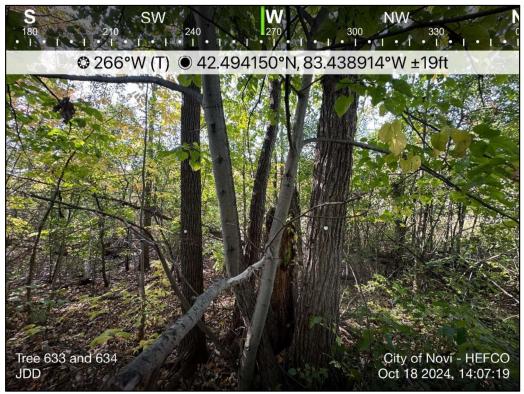


Figure 2. City of Novi Regulated Wetlands Map
Approximate Site boundary is shown in red.
(Approximate) Regulated Wetland areas are shown in blue.



Attachment A Site Photographs





Overview of the forested area on-site. View of Trees 633 and 634



Overview of Trees 635 and 637



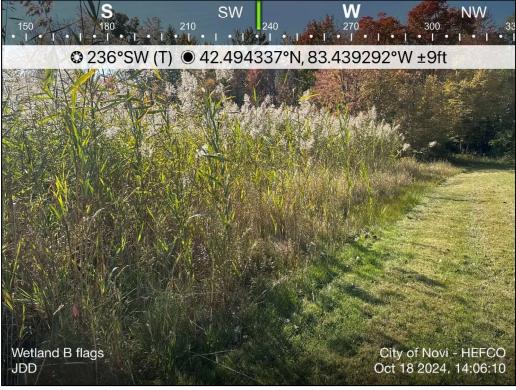
Overview of Tree 636



Overview of typical flagging seen in Wetland A



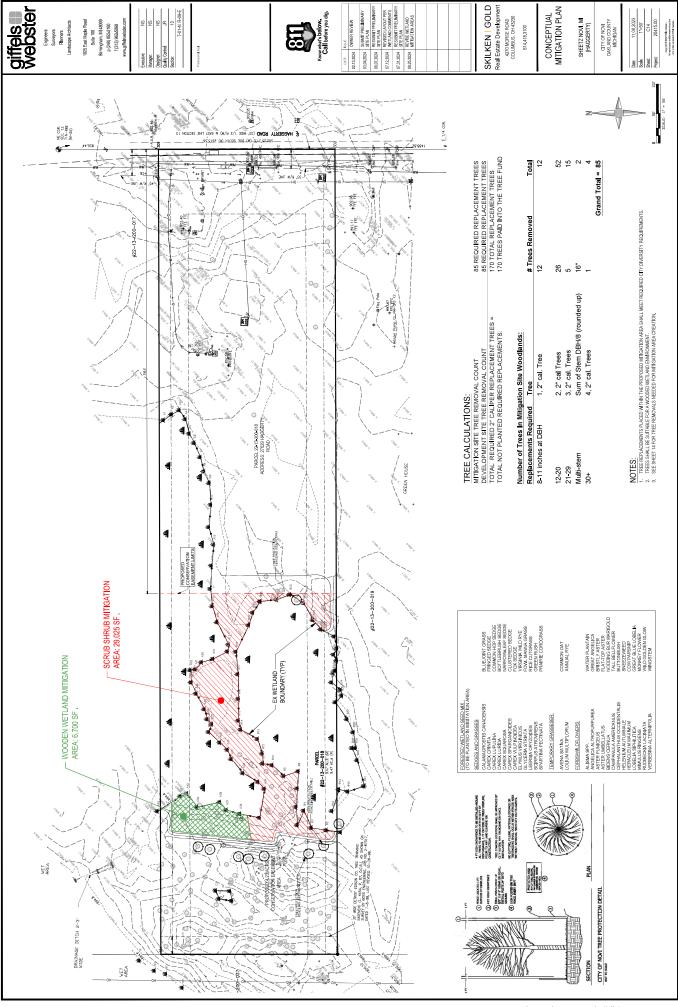
Overview of typical flagging seen in Wetland B

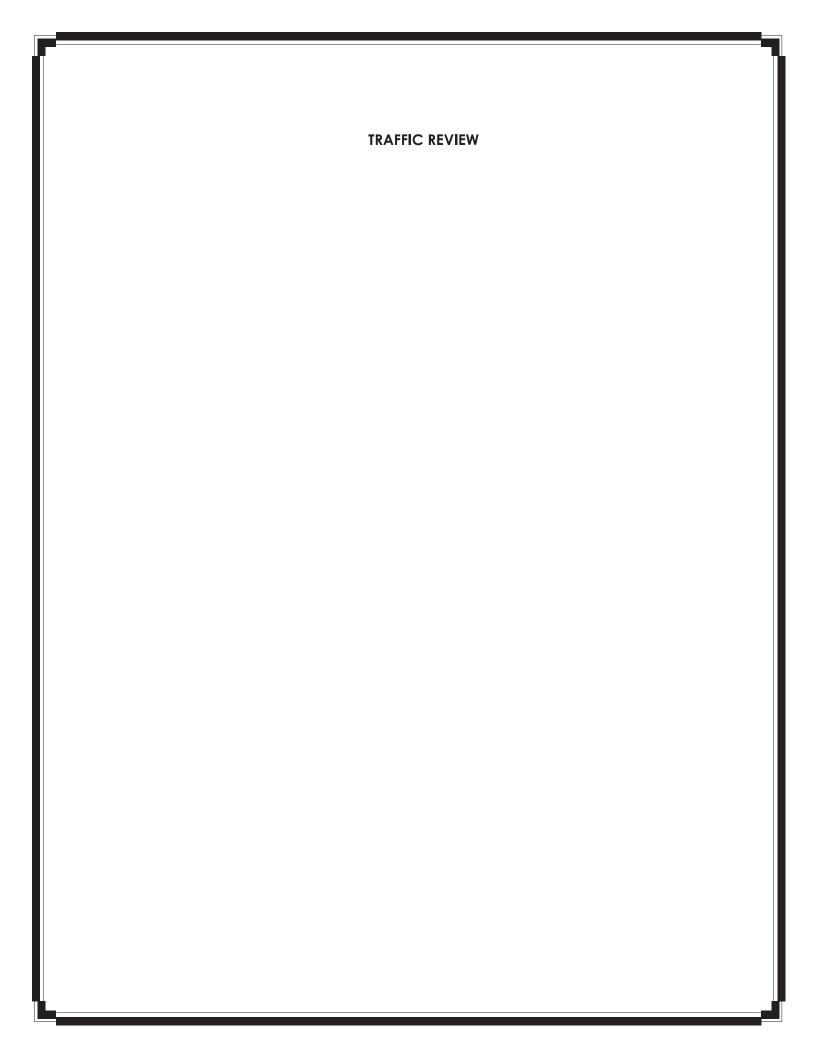


Overview of typical flagging seen in Wetland B (small pink flag seen in bottom left corner of photo)

Attachment B Proposed Adjacent Mitigation









To:

Barbara McBeth, AICP City of Novi 45175 10 Mile Road Novi, Michigan 48375

CC:

Lindsay Bell, Humna Anjum, Diana Shanahan, Adam Yako, Dan Commer

AECOM 39575 Lewis Dr, Ste. 400 Novi MI, 48377 USA aecom.com

Project name:

JSP24-22 – 27629 Haggerty Road Preliminary Plan Traffic Review

From: AECOM

Date:

October 30, 2024

Memo

Subject: JSP24-22 - 27629 Haggerty Road - HEFCO Preliminary Plan Traffic Review

The preliminary site plan was reviewed to the level of detail provided and AECOM recommends **approval** for the applicant to move forward as long as the comments below are addressed to the satisfaction of the City.

GENERAL COMMENTS

- 1. The applicant, HEFCO Haggerty, LLC, is proposing a 37,725 SF building consisting of 18,375 SF of warehouse and 19,350 SF of office.
- 2. The development is located on the west side of Haggerty Road, south of Twelve Mile Road. Haggerty Road is under the jurisdiction of the Road Commission for Oakland County.
- 3. The site is zoned OST (Office Service Technology).
- 4. There are no traffic related deviations required.

TRAFFIC IMPACTS

AECOM performed an initial trip generation based on the ITE Trip Generation Manual, 11th Edition, as follows.

ITE Code: 150 - Warehousing / 710 - General Office Building

Development-specific Quantity: 18,375 SF Warehouse and 19,350 SF Office

Zoning Change: N/A

Trip Generation Summary	Estimated Trips	Estimated Peak- Direction Trips	City of Novi Threshold	Above Threshold?
AM Peak-Hour Trips	26 + 41 = 67	20 + 36 = 56	100	No
PM Peak-Hour Trips	29 + 42 = 71	21 + 35 = 56	100	No
Daily (One-Directional) Trips	67 + 278 = 345	-	750	No

2. The City of Novi generally requires a traffic impact study/statement if the number of trips generated by the proposed development exceeds the City's threshold of more than 750 trips per day or 100 trips per either the AM or PM peak hour or if the project meets other specified criteria.

Trip Impact Study Recommendation				
Type of Study: Justification				
None	Estimated trips generated are below the City's threshold.			

TRAFFIC REVIEW

The following table identifies the aspects of the plan that were reviewed. Items marked O are listed in the City's Code of Ordinances. Items marked with ZO are listed in the City's Zoning Ordinance. Items marked with ADA are listed in the Americans with Disabilities Act. Items marked with MMUTCD are listed in the Michigan Manual on Uniform Traffic Control Devices.

The values in the 'Compliance' column read as 'met' for plan provision meeting the standard it refers to, 'not met' stands for provision not meeting the standard and 'inconclusive' indicates applicant to provide data or information for review and 'NA' stands for not applicable for subject Project. The 'remarks' column covers any comments reviewer has and/or 'requested/required variance' and 'potential variance'. A potential variance indicates a variance that will be required if modifications are not made or further information provided to show compliance with the standards and ordinances. The applicant should put effort into complying with the standards; the variances should be the last resort after all avenues for complying have been exhausted. Indication of a potential variance does not imply support unless explicitly stated.

EXT	EXTERNAL SITE ACCESS AND OPERATIONS						
No.	Item	Proposed	Compliance	Remarks			
1	Driveway Radii O <u>Figure IX.3</u>	25', 20' and 45'	Met	45' over range but required per truck circulation plan for one-way entrance.			
2	Driveway Width O Figure IX.3	39' and 38'	Met	38' over range but required per truck circulation plan for one-way entrance.			
3	Driveway Taper O Figure IX.11						
3a	Taper length	Not dimensioned	Not Met	Add taper length dimension.			
3b	Tangent	Not dimensioned	Not Met	Add tangent length dimension.			
4	Emergency Access O 11-194.a.19	2 Access Points	Met				
5	Driveway sight distance O Figure VIII-E	530'	Met				
6	Driveway spacing						
6a	Same-side O <u>11.216.d.1.d</u>	119' from one- way entrance to south driveway	Met	For 45 mph, 230' same side driveway spacing is required but the applicant indicated that the driveway locations have been approved by RCOC.			
6b	Opposite side O 11.216.d.1.e	Located across from Country Club Drive	Met				
7	External coordination (Road agency)	Note provided to obtain permit	Met				
8	External Sidewalk Master Plan & EDM	6' proposed	Met				
9	Sidewalk Ramps EDM 7.4 & R-28-K	Indicated	Met				
10	Any Other Comments:						

INTERNAL SITE OPERATIONS						
No.	Item	Proposed	Compliance	Remarks		
11	Loading zone <u>ZO 5.4</u>	15' x 100' loading dock in rear of building	Met			
12	Trash receptacle ZO 5.4.4	Proposed in rear of site	Met			
13	Emergency Vehicle Access	Circulation plan provided	Met			
14	Maneuvering Lane <u>ZO 5.3.2</u>	Varies, minimum 24'	Met			
15	End islands <u>ZO 5.3.12</u>					
15a	Adjacent to a travel way	Dimensioned	Partially Met	Add dimension for end island 3' shorter than adjacent parking space.		
15b	Internal to parking bays	Dimensioned	Met			
16	Parking spaces ZO 5.2.12	125 proposed		See Planning review letter.		
17	Adjacent parking spaces ZO 5.5.3.C.ii.p	≤15 spaces without an island	Met			
18	Parking space length <u>ZO 5.3.2</u>	17' and 19'	Met			
19	Parking space Width ZO 5.3.2	9'	Met			
20	Parking space front curb height <u>ZO</u> <u>5.3.2</u>	4" in front of 17' spaces, all other curb 6"	Partially Met	Provide detail indicating sidewalk in front of 17' parking spaces are to be 4" with a 2' overhang.		
21	Accessible parking – number ADA	6 proposed, 5 required	Met			
22	Accessible parking – size ADA	17' x 8' with 5' or 8' aisle	Met			
23	Number of Van-accessible space ADA	1 proposed, 1 required	Met			
24	Bicycle parking					
24a	Requirement ZO 5.16.1	6 proposed	Met			
24b	Location <u>ZO 5.16.1</u>	Indicated	Met			
24c	Clear path from Street ZO 5.16.1	5' proposed	Not Met	6' clear path required, only 5' proposed on the 7' sidewalk due to the 2' overhang.		
24d	Height of rack ZO 5.16.5.B	3'	Met			
24e	Other (Covered / Layout) <u>ZO 5.16.1,</u> <u>Text Amendment 18.301</u>	Provided	Met			
25	Sidewalk – min 5' wide Master Plan	6' and 7'	Met			
26	Sidewalk ramps EDM 7.4 & R-28-K	Indicated	Met			
27	Sidewalk – distance back of curb EDM 7.4	N/A	-	Sidewalk only proposed along building parking spaces.		
28	Cul-De-Sac O Figure VIII-F	N/A	-			
29	EyeBrow O Figure VIII-G	N/A	-			
30	Turnaround ZO 5.10	N/A	-			
31	Any Other Comments:					

SIGI	SIGNING AND STRIPING					
No.	Item	Proposed	Compliance	Remarks		
32	Signing: Sizes MMUTCD	Indicated	Met			
33	Signing table: quantities and sizes	Partially indicated on site plan	Partially Met	Add sign table and driveway proposed sign locations to site plan. Add a R1-1 stop sign at exit driveway. Could add "Right Turn Only" signs on Haggerty Road.		
34	Signs 12" x 18" or smaller in size shall be mounted on a galvanized 2 lb. U-channel post MMUTCD	Indicated	Met			
35	Signs greater than 12" x 18" shall be mounted on a galvanized 3 lb. or greater U-channel post MMUTCD	Indicated	Met			
36	Sign bottom height of 7' from final grade MMUTCD	Indicated	Met			
37	Signing shall be placed 2' from the face of the curb or edge of the nearest sidewalk to the near edge of the sign MMUTCD	Indicated	Met	Indicated		
38	FHWA Standard Alphabet series used for all sign language MMUTCD	Indicated	Met	Indicated		
39	High-Intensity Prismatic (HIP) sheeting to meet FHWA retro-reflectivity MMUTCD	Indicated	Met	Indicated		
40	Parking space striping notes	Partially indicated	Partially Met	Provide pavement marking notes/details for accessible parking spaces aisles, as well as arrow and only markings.		
41	The international symbol for accessibility pavement markings ADA	Provided	Met			
42	Crosswalk pavement marking detail	N/A	_	No crosswalk markings proposed on site plan but noted on item 8 on sheet 15 in "Signage Notes".		
43	Any Other Comments:					

Note: Hyperlinks to the standards and Ordinances are for reference purposes only, the applicant and City of Novi to ensure referring to the latest standards and Ordinances in its entirety.

Should the City or applicant have questions regarding this review, they should contact AECOM for further clarification.

Sincerely,

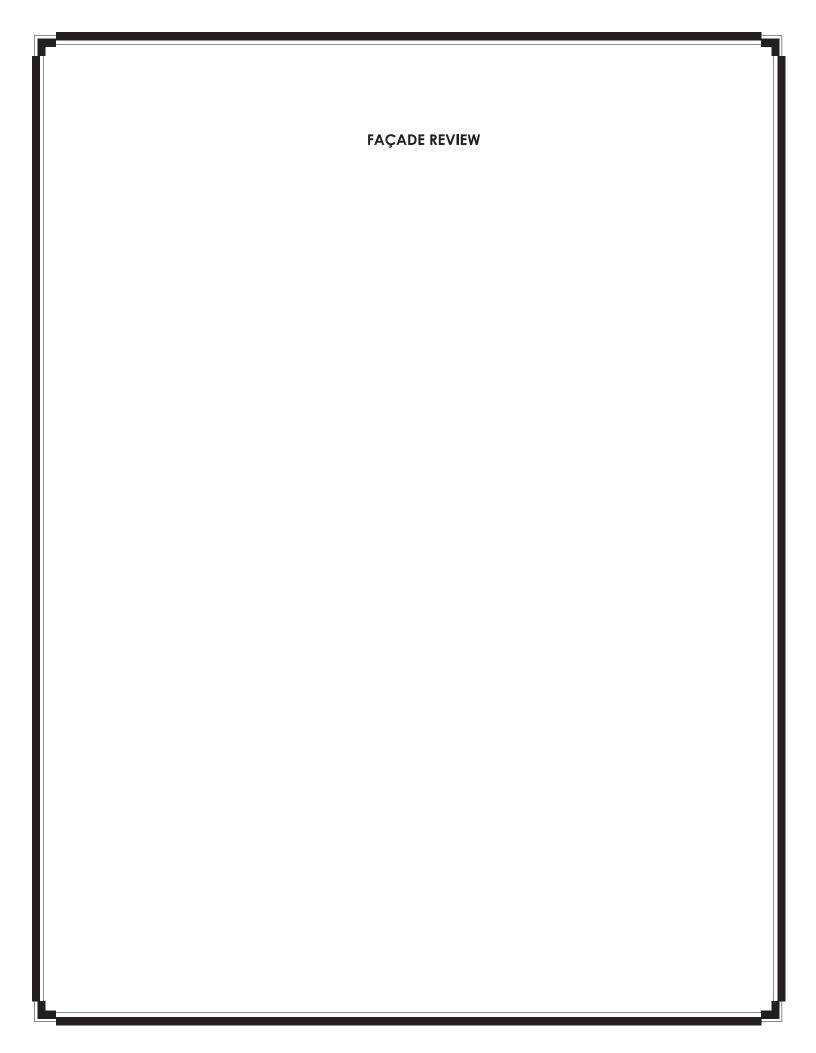
AECOM

Paula K. Johnson, PE Senior Transportation Engineer

Paulo K. Johnson

Saumil Shah, PMP Project Manager

Saumin Shal







October 24, 2024

City of Novi Planning Department 45175 W. 10 Mile Rd. Novi, MI 48375-3024

Façade Review Status: Approved, Full Compliance

Attn: Ms. Barb McBeth – Director of Community Development

Re: FACADE ORDINANCE REVIEW
27629 Haggerty - HEFCO, JSP24-22
Façade Region: 1, Zoning District: B-3

Dear Ms. McBeth:

The following Facade Review is based on the drawings prepared by O/X Studio, dated 10/1/24. The percentages of materials for each façade are shown on the table below. The maximum and minimum percentages required by the Façade Ordinance are shown in the right-hand column. As shown below all materials are in full compliance with the Façade Ordinance.

	East (Front)	North	South	West	Ordinance Maximum (Minimum)
Brick (Existing, proposed to be painted)	38%	74%	58%	52%	30% Minimum
Flat Metal Panels	33%	18%	36%	40%	50%
Spanderal Glass	22%	2%	2%	2%	50%
RTU Screens	7%	6%	4%	6%	50%

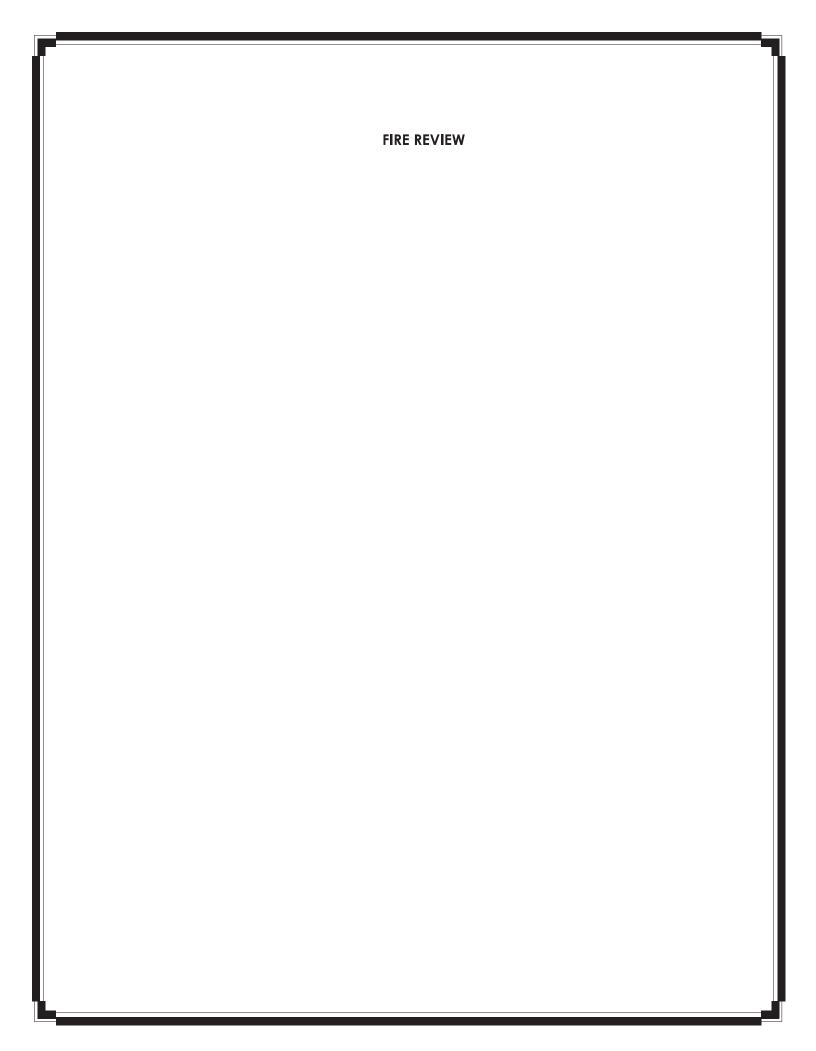
Notes to the Applicant:

1. Inspections — The Façade Ordinance requires inspection(s) for all projects. <u>The applicant should request inspection of the brick and awning color prior to installation.</u> It is the applicant's responsibility to request the inspection at the appropriate time (before installation). Inspections may be requested using the Novi Building Department's Online Inspection Portal with the following link. Please click on "Click here to Request an Inspection" under "Contractors", then click "Façade". http://www.cityofnovi.org/Services/CommDev/OnlineInspectionPortal.asp.

Sincerely,

DRN & Architects PC

Douglas R. Necci, AIA





CITY COUNCIL

Mayor

Justin Fischer

Mayor Pro Tem Laura Marie Casey

Dave Staudt

Brian Smith

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Matt Heintz

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Director of Public Safety Chief of Police

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Fire Chief

Todd Seog

John B. Martin

Assistant Chief of Police

Scott R. Baetens

Assistant Fire Chief

Novi Public Safety Administration 45125 Ten Mile Road Novi, Michigan 48375 248.348.7100

cityofnovi.org

248.347.0590 fax

October 21, 2024

TO: Barbara McBeth - City Planner Lindsay Bell - Plan Review Center Dan Commer - Plan Review Center Diana Shanahan – Plan Review Center

RE: Hefco Haggerty 27629 Haggerty Rd

PSP #24-0049

PreApp24-09

Project Description:

Build a 2-story 37,725 Sq. Ft. building off Haggerty Rd and Twelve Mile.

Comments:

- All fire hydrants MUST be installed and operational prior to any combustible material is brought on site. IFC 2015 3312.1
- For new buildings and existing buildings, you **MUST** comply with the International Fire Code Section 510 for Emergency Radio Coverage. This shall be completed by the time the final inspection of the fire alarm and fire suppression permits.
- When the property has limited frontage along external arterials, or topographic conditions on the external arterials reduce sight line distances so that a secondary access point cannot be established which will provide safe ingress and egress, the City shall require access roads for emergency vehicles, where feasible. A secondary access driveway shall be a minimum of twenty (20 feet in width and paved to provide all-weather access and shall be designed to support a vehicle of thirty-five (35) tons. Minimum easement width for secondary access driveways shall be twenty-five (25) feet. A permanent "break-away" gate shall be provided at the secondary access driveway's intersection with the public roadway in accordance with Figure VIII-K of the Design and Construction Standards. To discourage non-emergency vehicles, emergency access roads shall be designated by signage as for emergency access only, shall be separated from the other roadways by mountable curbs, and shall utilize entrance radii designed to permit emergency vehicles while discouraging non-emergency traffic. (D.C.S. Sec 11-194 (a)(19))
- Fire apparatus access drives to and from buildings through parking lots shall have a minimum fifty (50) feet outside turning radius and designed to support a minimum of thirtyfive (35) tons. (D.C.S. Sec 11-239(b)(5) (Note on plans the 35 ton weigh capacity).

• The ability to serve at least two thousand (2,000) gallons per minute in single-family detached residential; three thousand (3,000) gallons per school areas; and at least four thousand (4,000) gallons per minute in office, industrial and shopping centers is essential.

(D.C.S. Sec.11-68(a))

- Hydrants shall be spaced approximately three hundred (300) feet apart online in commercial, industrial, and multiple-residential areas. In cases where the buildings within developments are fully fire suppressed, hydrants shall be no more than five hundred (500) feet apart. The spacing of hydrants around commercial and/or industrial developments shall be considered as individual cases where special circumstances exist upon consultation with the fire chief. (D.C.S. Sec. 11-68 (f)(1)c) (Note on utility plan the nearest fire hydrant's location on Haggerty Rd) (Fire hydrant spacing is approx. 300' apart. Need to add at least 2 fire hydrants behind building).
- Fire department connections shall be located on the street side of buildings, fully visible and recognizable from the street or nearest point of fire department vehicle access or as otherwise approved by the code official. (International Fire Code 912.2.1)
- Proximity to hydrant: In any building or structure required to be equipped with a fire department connection, the connection shall be located within one hundred (100) feet of a fire hydrant. (Fire Prevention Ord. Sec. 15-17 912.2.3)
- Immediate access to fire department connections shall be maintained at all times and without obstruction by fences, bushes, trees, walls or any other object for a minimum of 3 feet (914 mm). (International Fire Code 912.4)
- A hazardous chemical survey is required to be submitted to the Planning & Community Development Department for distribution to the Fire Department at the time any Preliminary Site Plan is submitted for review and approval. Definitions of chemical types can be obtained from the Fire Department at (248) 735-5674.

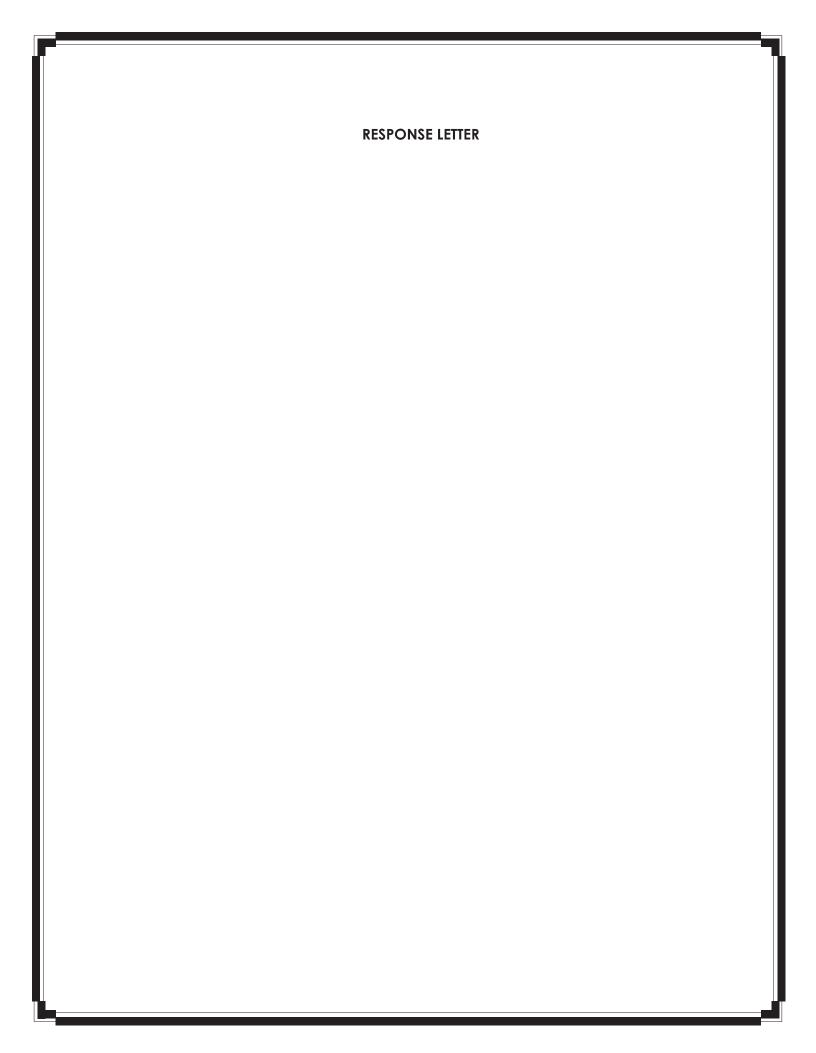
Recommendation:

Approved with Conditions

Sincerely,

Kevin S. Pierce-Fire Marshal City of Novi – Fire Dept.

cc: file





3121 E. Grand River Howell, MI 48843 517.546.4836 fax 517.548.1670 www.bosseng.com

March 4th, 2025

City of Novi 45175 Ten Mile Road Novi, MI 48375

Re: 27629 Haggarty Road Preliminary Site Plan Review

To Whom it May Concern,

We have received the review letters from Planning Review dated February 6th, 2025, Engineering Review dated October 31st, 2024, Landscape Review dated February 5th, 2025, Merjent dated October 29th, 2024, Aecom dated October 30th, 2024 and Fire Department dated October 21st, 2024, for the 27629 Haggarty Road development in City of Novi, Michigan and offer the following comments:

Ordinance Requirements

- 1. Zoning and Use Requirements- Acknowledged.
- 2. Site Plans- Acknowledged. Planning Commission approval is being sought.
- 3. Woodland Replacement- Replacement trees will be included in a conservation easement as requested. The conservation easement will be depicted in the Final Site plan and necessary documentation provided to the City at that time.
- 4. Parking Lot Landscaping Acknowledged. No additional plan changes needed.
- 5. Storm Basin Landscape- Acknowledged. Coordination has taken place to ensure the grading depicted is cohesive between the basin grading and the wetland mitigation grading.
- 6. Wetland Mitigation Plans A separate plan sheet will be included in the Final Plan set as requested.
- 7. Loading and Unloading Screening-Acknowledged. In addition, additional quantity and staggering has been added and shown on the landscape plan to improve opacity and a note has been added stating that the hedge will be maintained at a height of 'at least 6-feet' and that this requirement will be included in the master deed for the property.
- 8. Building Height Acknowledged.
- 9. Building Setbacks- Acknowledged.
- 10. Wetland/ Watercourse Setback- Acknowledged.
- 11. Required Parking Calculations- Acknowledged.
- 12. End Islands- Acknowledged.
- 13. Minimum number of Bicycle Parking- Acknowledged.
- 14. Dumpster Enclosure- Acknowledged.
- 15. Non-Motorized Facilities- Acknowledged.
- 16. Development/Business Sign & Street Addressing- Acknowledged.
- 17. Economic Impact- Acknowledged.
- 18. Lighting Plan- Acknowledged.

Planning Review Chart

Zoning and Use Requirements:

Master Plan: Acknowledged. Area Study: Acknowledged. Zoning: Acknowledged.

Uses Permitted: Acknowledged. This project will be required to go through the Planning

Commission.

Height, Bulk, Density and Area Limitations:

Frontage on a Public Street: Acknowledged.
Access to Major Thoroughfare: Acknowledged.
Minimum Zoning Lot Size: Not Applicable.
Minimum Zoning Lot Size: Not Applicable.

Maximum % of Lot Area Covered: Acknowledged.

Building Height: Acknowledged.

Building Setbacks:

Front east @ Haggerty Road: Acknowledged.

Rear (west): Acknowledged. Side (north): Acknowledged. Side (south): Acknowledged.

Parking Setback:

Front east @ Haggerty Road: Acknowledged.

Rear (west): Acknowledged. Side (north): Acknowledged. Side (south): Acknowledged.

Note To District Standards:

Exterior Side Yard Abutting a Street: Not Applicable. No plan changes made. **Off-Street Parking in Front Yard:** Not applicable. No plan changes made.

Distance between Buildings: Not Applicable. No plan changes made.

Wetland/Watercourse Setback: Acknowledged. Woodland /Wetland indicated preliminary approval. Any remaining comments on the Woodland/Wetland review to be provided for Final Site Plan.

Parking Setback screening: Acknowledged. See landscape plan and landscape review comments.

Modification of parking setback requirements: Acknowledged. No plan changes made.

OST District Required Conditions:

Additional Height: Not applicable.

Loading and Unloading Screen: Columnar evergreen shrubs are shown staggered on the landscape plan to maximize screening opacity while the plants mature. See landscape plan showing additional plant quantity and further staggering.

Required Parking Calculation: Acknowledged.

Additional conditions for permitted uses in 3.1.23.B.ii-v: Not applicable.

Outdoor Storage: No outdoor storage is proposed.

Parking, Loading and Dumpster Requirements:

Number of Parking Spaces: Acknowledged.

Parking Space Dimensions and Maneuvering Lanes: Acknowledged.

Parking Stall located adjacent to a parking lot entrance: Not applicable.

End Islands: Acknowledged.

Contiguous space limit: Acknowledged. Barrier Free Spaces: Acknowledged.

Barrier Free Space Dimensions: Acknowledged.

Barrier Free Signs: Acknowledged.

Minimum Number of Bicycle Parking: Acknowledged. Bicycle Parking General Requirements: Acknowledged.

Bicycle Parking Lot Layout: Acknowledged.

Loading Spaces: Acknowledged. **Dumpster:** Acknowledged.

Dumpster Enclosure: Acknowledged. **Exterior Lighting:** Acknowledged.

Roof top equipment and wall mounted utility equipment: Acknowledged.

Roof top appurtenances screening: Acknowledged.

Non-Motorized Facilities:

Article XI Off-Road Non-Motorized Facilities: Acknowledged.

Pedestrian Connectivity: Acknowledged.

Building Code and Other Requirements:

Building Code: Acknowledged.

Design and Construction Standards Manual: Acknowledged.

General layout and dimension of proposed physical improvements: Acknowledged.

Economic Impact: The estimated project cost is \$3 million. The end user is not known at this time so economic impact as it pertains to number of jobs created is unknown at this time.

Development/Business Sign & Street addressing: Acknowledged. An address will need to be applied for prior to building permitting. A sign permit will be applied for at the appropriate time.

Project and Street Naming: Not Applicable.

Property Split: Not Applicable.

Lighting and Photometric Plan:

Intent: Acknowledged.

Lighting Plan: Acknowledged.
Building Lighting: Acknowledged.
Lighting Plan Elements: Acknowledged.
Maximum Height: Acknowledged.
Required Conditions: Acknowledged.
Indoor Lighting: Acknowledged.
Security Lighting: Acknowledged.

Color Spectrum Management: Acknowledged.

Parking Lot Lighting: Acknowledged.
Min Illumination: Acknowledged.
Average Light Level: Acknowledged.

Max Illumination adjacent to Non-Residential: Acknowledged.

Cut off Angles: Not applicable.

Engineering Review

General:

- 1. Two City Benchmarks have been added to the plan set.
- 2. The note for all work to conform to the current city of Novi standards and specifications has been added to the General Notes & Legend (Sheet 2) under the general notes tab number 36.
- 3. Acknowledged.
- 4. Acknowledged. Additional geotechnical information will be provided during final site plan.
- 5. RCOC has provided preliminary approval of the shown geometrics. RCOC Right Of Way permitting will take place during the final site plan phase.
- 6. The additional ROW dedicated to the RCOC has been labeled as proposed on the site plan sheet 5.
- 7. Acknowledged. This will be added to the plan set for Final Site Plan review.
- 8. Acknowledged.
- 9. Acknowledged. This will be added to the plan set for Final Site Plan review.
- 10. The note for the compacted sand backfill on all utilities within the influence of paved areas has been added to the General Notes & Legend (Sheet 2) under the General Utility Notes tab. The compacted sand backfill is also called illustrated and labels in the sanitary sewer extension plan and profile. When construction plans are submitted, the compacted sand backfill illustration and note will be shown on all profiles.
- 11. Acknowledged. This will be added to the plan set for Final Site Plan review.
- 12. Acknowledged. This will be added to the plan set for Final Site Plan review.
- 13. Acknowledged. This will be added to the plan set for Final Site Plan review.
- 14. A note has been provided on General Notes & Legend (Sheet 2) under General Grading & SESC Notes number 12.
- 15. The utilities were added to the landscape plan. The proposed trees will maintain all the required separation that is required.
- 16. All location for the light poles has been shown on the Utility Plan (Sheet 9). A light poles detail has been placed on the construction details page sheet 15 showing the height and foundation depth of the light poles. There will be no light poles proposed within the utility easements.
- 17. Acknowledged. This will be added to the plan set for Final Site Plan review.

Watermain:

- 18. The relocated existing hydrant assembly was moved closer to the existing curb to allow a larger separation from the existing gas line. The relocated hydrant is 3' off the back of curb to match the separation of the other existing hydrants along Haggerty Road.
- 19. All hydrants proposed on site (other than the relocated existing hydrant) are placed at least 7' off back of curb.
- 20. The required tapping sleeve, valve and well have been included for both watermain connection.
- 21. Acknowledged.
- 22. Acknowledged. This will be added to the plan set for Final Site Plan review.
- 23. Acknowledged. This will be added to the plan set for Final Site Plan review.
- 24. Acknowledged. This will be added to the plan set for Final Site Plan review.
- 25. Acknowledged. This will be added to the plan set for Final Site Plan review.
- 26. Acknowledged. This will be added to the plan set for Final Site Plan review.
- 27. Acknowledged. This will be added to the plan set for Final Site Plan review.
- 28. Acknowledged. This will be added to the plan set for Final Site Plan review.

Irrigation:

29. Acknowledged. This will be added to the plan set for Final Site Plan review.

Sanitary Sewer:

30. The 20-foot-wide sanitary sewer easement callouts have been rewritten to be consistent on the Utility Plan (Sheet 9)

- 31. A monitor manhole is shown to the north entrance of the site on the Utility Plan and Sanitary Ser Extension Plan (Sheet 9 & 14). A 20' wide access easement was added around the monitor manhole location and called out on the Utility Plan (Sheet 9).
- 32. Acknowledged. This will be added to the plan set for Final Site Plan review.
- 33. A note has been added to the utility plan and sanitary plan stating that the sanitary leads will be buried at least 5 feet deep under the influence of pavement.
- 34. A Note for the testing bulkhead immediately upstream of the sanitary connection point is shown on the plan and profile on the Sanitary Sewer Extension Plan & Profiles Sheet (Sheet 14).
- 35. The monitoring manhole was added to the sanitary profile on sheet 14 along with its rim and inverts.
- 36. All pipe intersecting with the sanitary manholes are shown on the sanitary profiles sheet 14.
- 37. Acknowledged. This will be added to the plan set for Final Site Plan review.

Storm Sewer:

- 38. Acknowledged. This will be added to the plan set for Final Site Plan review.
- 39. The 0.1 foot drop in the downstream invert of all storm structures where a change in direction of 30 degrees or greater was required and designed on CB 06 and CB 05.
- 40. Acknowledged. This will be added to the plan set for Final Site Plan review.
- 41. There are no storm manholes with differences in invert elevations exceeding two feet.
- 42. All storm pipes that are receiving surface runoff are 12-inch in diameter.
- 43. Acknowledged. This will be added to the plan set for Final Site Plan review.
- 44. Acknowledged. This will be added to the plan set for Final Site Plan review.
- 45. Acknowledged. This will be added to the plan set for Final Site Plan review.
- 46. Acknowledged. This will be added to the plan set for Final Site Plan review.
- 47. Acknowledged. This will be added to the plan set for Final Site Plan review.
- 48. Acknowledged. This will be added to the plan set for Final Site Plan review.
- 49. Acknowledged. This will be added to the plan set for Final Site Plan review.

Storm Water Management Plan:

- 50. Acknowledged. This will be added to the plan set for Final Site Plan review.
- 51. Acknowledged. This will be added to the plan set for Final Site Plan review.
- 52. Acknowledged. This will be added to the plan set for Final Site Plan review.
- 53. An adequate maintenance access route to the basin outlet structure and all the pretreatment structures are provided. These access routes do not conflict with the proposed landscaping.
- 54. A 5' wide stone bridge/access route has been added to the basin OCS structure along with detail and note on the Storm Water Management Plan (Sheet 12).
- 55. Acknowledged. This will be added to the plan set for Final Site Plan review.
- 56. Acknowledged. This will be added to the plan set for Final Site Plan review.
- 57. Acknowledged. This will be added to the plan set for Final Site Plan review.
- 58. Acknowledged. This will be added to the plan set for Final Site Plan review.
- 59. A 4' wide safety shelf 1' under the permanent water surface elevation in the basin has been added and noted on the details and plan view on the Storm Water Management Plan (Sheet 12)
- 60. The landscape buffer between the impervious area and basin is provided and a note was added to the Landscape Plan stating this (Sheet 11).
- 61. Acknowledged. This will be added to the plan set for Final Site Plan review.
- 62. The Drainage Area Labels in plan view have been updated to be consistent with the Drainage Area Table on the Grading & Drainage Plan (Sheet 7).

Paving & Grading:

- 63. Acknowledged. This will be added to the plan set for Final Site Plan review.
- 64. Acknowledged. This will be added to the plan set for Final Site Plan review.
- 65. Acknowledged. This will be added to the plan set for Final Site Plan review.
- 66. It is acknowledged that detectable warning plates are required at all barrier free ramps, hazardous vehicular crossings and other areas where the sidewalk is flush with the adjacent drive or parking pavements.

- 67. All detectable warning plate locations are labeled on the Site Plan (Sheet 5).
- 68. The chosen product for the detectable warning plate is shown in the detail on the Site Plan (Sheet5).
- 69. Acknowledged. This will be added to the plan set for Final Site Plan review.
- 70. The existing and proposed contours are displayed on the Grading Plan (Sheet 7).
- 71. There is at least a 3' buffer distance between the sidewalk and any fixed object on the site.
- 72. All locations on site including the grading to existing grade will not exceed the 1V:4H grading limit.
- 73. The grade of the drive approach does not exceed 2 percent within the first 25 feet of the intersection.
- 74. Acknowledged. This will be added to the plan set for Final Site Plan review.
- 75. Acknowledged. This will be added to the plan set for Final Site Plan review.
- 76. Acknowledged. This will be added to the plan set for Final Site Plan review.
- 77. Acknowledged. This will be added to the plan set for Final Site Plan review.
- 78. Acknowledged. This will be added to the plan set for Final Site Plan review.
- 79. Acknowledged. This will be added to the plan set for Final Site Plan review.
- 80. All dimensions of parking stalls abutting a curb or sidewalk are to the face of the curb and the other dimensions are to the back of curb.
- 81. Acknowledged. This will be added to the plan set for Final Site Plan review.
- 82. There are no proposed angled parking stalls on the project.
- 83. The ramp shown has been relocated to not be in the middle of the ADA accessible walkway.

Soil Erosion and Sedimentation Control:

84. Acknowledged.

Off-Site Easements:

- 85. Acknowledged. This will be added to the plan set for Final Site Plan review. Draft sanitary easements have been provided to the Community Development for review.
- 86. Acknowledged. This will forwarded to the Engineering Division prior to the Final Site plan review.

Must Be Submitted with Final Site Plan:

- 87. Acknowledged. This will be provided at the time of Final Site Plan.
- 88. Acknowledged. This will be provided at the time of Final Site Plan.

Must Be Submitted with Stamping Set:

- 89. Acknowledged. This will be provided at the time of Final Site Plan.
- 90. Acknowledged. This will be provided at the time of Final Site Plan.
- 91. Acknowledged. This will be provided at the time of Final Site Plan.
- 92. Acknowledged. This will be provided at the time of Final Site Plan.
- 93. Acknowledged. This will be provided at the time of Final Site Plan.

Must be Addressed Prior to Construction:

- 94. Acknowledged.
- 95. Acknowledged.
- 96. Acknowledged.
- 97. Acknowledged.
- 98. Acknowledged.
- 99. Acknowledged.
- 100. Acknowledged.
- 101. Acknowledged.
- 102. Acknowledged.
- 103. Acknowledged.
- 104. Acknowledged.
- 105. Acknowledged.

- 106. Acknowledged.
- 107. Acknowledged.
- 108. Acknowledged.
- 109. Acknowledged.
- 110 Acknowledged.

Landscape Review

<u>Landscape Plan Requirements (Landscape Design Manual and Zoning Ordinance)</u>

Landscape Plan: Acknowledged. No plan changes needed. Project Information: Acknowledged. No plan changes needed.

Owner/Developer Contact Information: Acknowledged. No plan changes needed. Landscape Architect contact information: Acknowledged. No plan changes needed.

Sealed by LA: Acknowledged. No plan changes needed. **Miss Dig Note:** Acknowledged. No plan changes needed.

Zoning: Acknowledged. No plan changes needed.

Survey information: Acknowledged. No plan changes needed.

Existing Plant material Existing Woodlands or wetlands: Acknowledged. Merjent indicated

Preliminary approval. Any remaining Merjent comments are to be addressed during the Final Site Plan package.

Soil types: Acknowledged. No plan changes needed.

Existing and proposed Improvements: Acknowledged. No plan changes needed.

Existing and proposed utilities: Utility lines restored to the drawing sheet.

Proposed grading. 2' contour minimum: Acknowledged. No plan changes needed.

Snow deposit: Acknowledged. No plan changes needed.

Parking Area Landscape Requirements (Zoning Sec 5.5.3.C and LDM 5)

General Requirements: Acknowledged. No plan changes needed.

Name, type and number of ground cover: Acknowledged. No plan changes needed.

General (Zoning Sec 5.5.3.C)

Parking lot Islands: One Oak will be removed from the landscape island.

Curbs and Parking Stall reduction: Acknowledged.

Contiguous space limit: Acknowledged.

Plantings around Fire Hydrant: Note regarding distance from utility lines and structures added to the

Supplemental Landscape Notes on Sheet 11.

Landscaped Area: Acknowledged. No plan changes needed.

Clear Zones: Acknowledged. No plan changes needed.

Category 1: FOR OS-1, OS-2, OSC, OST, B-1, B-2, B-3, NCC, EXPO, FS, TC, TC-1, RC,

Special Land Use or non residential land use in any R district

Vehicular use area up to 50,000 sft: Acknowledged. No plan changes needed. Vehicular Use area over 50,000 sft: Acknowledged. No plan changes needed.

Category 2: for I-1 and I-2

Vehicular use area up to 50,000 sft: Not applicable. Vehicular Use area over 50,000 sft: Not applicable.

All Categories

Total Square footage of landscape islands: Acknowledged. No plan changes needed.

Number of canopy trees required: One Oak removed from island.

Parking Lot Perimeter Trees: Four replacement trees shown on the east side of the pond have been relocated to the north of the accessway and shown within a conservation easement.

Accessway Perimeter The sanitary lead has been adjusted to allow for all the Oaks and Sycamores to remain on the north side of the north access drive and be spaced 30-ft on-center.

Parking land banked: Not applicable.

Berms, Walls, and ROW Planting Requirements

Berms

Berms: There are no proposed berms within this project.

Residential Adjacent to Non-Residential

Berm Requirements: Acknowledged. No plan changes needed.

Planting Requirements: Not Applicable.

Adjacent to Public Right-of-Way

Berm Requirements: Acknowledged. No plan changes needed.

Cross-Section of Berms

Slope Height and Width: Acknowledged. No plan changes needed. Type of Ground Cover: Acknowledged. No plan changes needed. Setbacks from Utilities: Acknowledged. No plan changes needed.

Walls

Material, height and type of construction footing: Not applicable.

Walls greater than 4' should be designed and sealed by an engineer: Not Applicable.

ROW Landscape Screening Requirements

Greenbelt width: Acknowledged. No plan changes needed.

Minimum berm crest width: Acknowledged. No plan changes needed.

Minimum berm height: Not applicable 3' Wall: Not applicable. No walls proposed.

Canopy Deciduous or large evergreen trees: Firestarter Black Gum removed from the plant list and

substituted with the straight species.

Sub-Canopy deciduous trees: Acknowledged. No plan changes needed.

Canopy deciduous trees in area between sidewalk and curb: Acknowledged. No RCOC

determination has been made at the time of this submittal. The RCOC Right of Way permit will be sought prior to the time of Final site plan, and a copy will be provided to the City.

Non-Residential Projects

Screening of outdoor storage, **loading/unloading**: A note regarding maintaining the hedge at least 6-ft and including in the property master deed has been added to the Supplemental Landscape Notes (Note 10) on Sheet 11 and cross-referenced on the landscape plan itself.

Transformers/Utility Boxes: Ten shrubs have been added to the plant list and identified as 'transformer screening shrubs.' They will be included in the revised cost opinion at the time of Final Site Plan submittal.

Building Foundation Landscape Requirements

Interior site landscaping SF: Acknowledged. No plan changes needed.

Building frontage Landscaping: Acknowledged. No plan changes needed.

Detention/Retention Basin Requirements

Planting Requirements: Replacement trees on the east side of the basin have been relocated to the north of the access path to be included in a conservation easement. Additional detention basin / parking

lot trees have been added to the east side of the basin. Shrubs have been moved to within 10-ft of the basin design high water.

Phragmites and Japanese Knotweed Control: Acknowledged. No plan changes needed.

LANDSCAPING NOTES, DETAILS AND GENERAL REQUIREMENTS

<u>Landscape Notes – Utilize City of Novi Standard Notes</u>

Installation date: Acknowledged. No plan changes needed.

Maintenance & Statement of Intent: Note #9 corrected on Sheet 2

Plant source: Acknowledged. No plan changes needed.

Irrigation Plan: Landscape irrigation plan will be provided as part of the final site plan package and so

noted in the Supplemental Landscape Notes (Note #8) on Sheet 11.

Seed: Seed mix lists have been enlarged and note relating to submittal to City has been added below.

Other Information: Acknowledged. No plan changes needed.

Establishment Period: Note #9 corrected on Sheet 2

Approval of substitutions: Acknowledged. No plan changes needed.

<u>Plant List (LDM Part III) – Include all cost estimates</u>

Quantities and sizes: Acknowledged. No plan changes needed.

Root type: Acknowledged. No plan changes needed.

Botanical and common names: Acknowledged. No plan changes needed.

Type and amount of lawn: Acknowledged.

Cost estimate: Acknowledged. No plan changes needed.

Planting Details/Info (LDM Part III)

Canopy Deciduous Tree: Root-ball to root-flare note has been changed.

Evergreen Tree: Root-ball to root-flare note has been changed **Multi-stem Tree:** Acknowledged. No plan changes needed.

Shrub: Acknowledged. No plan changes needed

Perennial/Ground Cover: Acknowledged. No plan changes needed.

Tree stakes and guys. (Wood stakes, fabric guys): Acknowledged. No plan changes made.

Tree protection fencing: Acknowledged. No plan changes needed.

Other Plant Material Requirements (LDM 11)

General Conditions: Acknowledged. No plan changes needed.

Plant materials & Existing Plant Material: Acknowledged. No plan changes needed

Landscape tree credit: Acknowledged. No plan changes needed.

Plant Sizes for ROW, Woodland replacement and others: Acknowledged. No plan changes needed.

Plant size credit: Acknowledged. No plan changes needed. **Prohibited Plants:** Acknowledged. No plan changes needed.

Recommended trees for planting under overhead utilities: Acknowledged. No plan changes made.

Collected or transplanted trees: Acknowledged. No plan changes needed. **Nonliving Durable Material Mulch:** Acknowledged. No plan changes needed.

<u>Irrigation System Requirements</u>

1-7. Acknowledged.

Merjent, Inc.

General Woodland Review:

- Acknowledged. No plan changes needed.
- 2. Acknowledged. No plan changes needed.
- 3. See Landscape Plan for proposed tree replacements.
- Acknowledged. No plan changes needed.
- Acknowledged.
- 6. Acknowledged. No plan changes needed.
- 7. Acknowledged.
- 8. Additional language has been added to the tree removal list regarding these trees.
- Acknowledged.
- 10. Acknowledged.
- 11. Acknowledged.
- 12. Acknowledged

General Wetland Review:

- Acknowledged. No plan changes needed.
- 2. Acknowledged. No plan changes needed.
- 3. Acknowledged. We are seeking a wetland buffer authorization as part of this project.
- 4. Acknowledged. Flagging will be provided at time of construction.
- 5. Additional coordination has taken place with the Sheetz development engineers to ensure the grading plan of the basin and the mitigation is cohesive. The plans have been revised accordingly to show the grading.

Aecom

General Comments:

- 1. Acknowledged. No plan changes needed.
- 2. Acknowledged. No plan changes needed.
- 3. Acknowledged. No plan changes needed.
- Acknowledged. No plan changes needed.

Traffic Impacts:

- 1. Acknowledged. No plan changes needed.
- 2. Acknowledged. No plan changes needed.

Traffic Review:

- 1. Acknowledged. No plan changes needed.
- Acknowledged. No plan changes needed.
- 3. Driveway Taper
 - a. The taper length dimension will be added to the plan as part of the Final Site Plan.
 - b. The tangent length dimension will be added to the plan as part of the Final Site Plan.
- Acknowledged. No plan changes needed.
- 5. Acknowledged. No plan changes needed.
- 6. Acknowledged. No plan changes needed.
- 7. Acknowledged. No plan changes needed.
- 8. Acknowledged. No plan changes needed.
- 9. Acknowledged. No plan changes needed.
- 10. Acknowledged. No plan changes needed.11. Acknowledged. No plan changes needed.
- 12. Acknowledged. No plan changes needed.

- 13. Acknowledged. No plan changes needed.
- 14. Acknowledged. No plan changes needed.
- 15. End Islands
 - a. Dimensions for end island adjacent parking spaces were added to the Site Plan (Sheet 5).
 - b. Acknowledged. No plan changes needed.
- 16. Acknowledged.
- 17. Acknowledged. No plan changes needed.
- 18. Acknowledged. No plan changes needed.
- 19. Acknowledged. No plan changes needed.
- 20. A detail will be added to the plan as part of the Final Site Plan.
- 21. Acknowledged. No plan changes needed.
- 22. Acknowledged. No plan changes needed.
- 23. Acknowledged. No plan changes needed.
- 24. Bicycle Parking
 - a. Acknowledged. No plan changes needed.
 - b. Acknowledged. No plan changes needed.
 - c. The sidewalk along the building increased from a 7' walk to and 8' walk to allow a 6' clear path from the car 2' overhang.
 - d. Acknowledged. No plan changes needed.
- 25. Acknowledged. No plan changes needed.
- 26. Acknowledged. No plan changes needed.
- 27. Not Applicable. No plan changes needed.
- 28. Not Applicable. No plan changes needed.
- 29. Not Applicable. No plan changes needed.
- 30. Not Applicable. No plan changes needed.
- 31. Not Applicable. No plan changes needed.
- 32. Acknowledged. No plan changes needed.
- 33. Additional signage information will be added to the Final Site Plan set.
- 34. Acknowledged. No plan changes needed.
- 35. Acknowledged. No plan changes needed.
- 36. Acknowledged. No plan changes needed.
- 37. Acknowledged. No plan changes needed.
- 38. Acknowledged. No plan changes needed.
- 39. Acknowledged. No plan changes needed.
- 40. A pavement marking notes and details will be provided in the Final Site Plan set.
- 41. Acknowledged. No plan changes needed.
- 42. Acknowledged. The crosswalk striping will be clearly denoted in the Final Site Plans.
- 43. Acknowledged. No plan changes needed.

Façade Review - DRN Associates

Acknowledged. Façade is in compliance.

Fire Department

Comments:

- -Acknowledged. A note has been added to the plans on the Utility Plan sheet 9. See note 1 under fire department notes in the bottom right corner of the page.
- -Acknowledged. A note has been added to the plans on the Utility Plan sheet 9. See note 2 under fire department notes in the bottom right corner of the page.

- -A second access point has been added to the site on the south side as an entrance only. This will serve as a second point of site access. The drive locations and geometrics have been submitted on a preliminary level to the RCOC and reviewed and approved by the RCOC.
- -Acknowledged. A note has been added to the plans on the Utility Plan sheet 9. See note 3 under fire department notes in the bottom right corner of the page.
- -Acknowledged. The proposed watermain is now looped through the site which will help fire flows as well as reliability. The proposed watermain was upsized to be a 12" watermain to achieve said fire
- -The circulation plan sheet 10 shows the fire truck circulation as well as the hydrant coverage. An additional hydrant was added on the south side of the building as well as an existing hydrant along the Haggerty Road frontage is being extended beyond the new right turn lane. The nearest fire hydrant on Haggerty Road is the relocated hydrant at the midpoint of the building in front of the site.
- -The Fire Department Connection has been relocated to the front northeast corner of the building. See Utility Plan sheet 9.
- -Acknowledged. See Landscape Plan sheet 11. The landscape plan shows a clearing of landscape in the immediate vicinity of the FDC.
- -The proposed submittal doesn't have a tenant lined up for the space. Therefore, operations specific questions as it pertains to any potential hazardous chemicals is unknown at this time. Once a tenant is selected, a hazardous chemical survey will need to be conducted at that time.

A Woodland Use Permit for construction on a site containing regulated woodlands and Wetland Buffer Authorization is being requested for fill areas within the wetland buffer.

Feel free to contact us should you have any questions, or if you are in need of any additional information.

Sincerely, **BOSS ENGINEERING COMPANY**

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Project Engineer danh@bosseng.com

Daniel T. Hurley, PE