### ALLENDALE CHARTER TOWNSHIP PLANNING COMMISSION MEETING

January 15, 2024 7:00 p.m. Allendale Township Public Meeting Room

- 1. Call the Meeting to Order
- 2. Roll Call
- 3. Communications and Correspondence:
- 4. Approval of the December 18, 2023 Planning Commission Minutes
- 5. Approval of the Agenda
- 6. Public Comments for non-public hearing items
- 7. Public Hearings:
- 8. Site Plan Review:
- 9. New Business:
  - A. Jiffy Lube Allendale Crossings Planned Unit Development Major Amendment
    - Seeking to construct a 3,252 square foot automotive service station
  - B. Dollar General Site Plan
    - Seeking to construct a 10,640 square foot retail building
  - C. Allied Installations Site Plan
    - Seeking to construct a 12,000 square foot building for office and warehouse, along with units for multi-tenants
- 10. Old Business:
  - A. Zoning Ordinance Text Amendments Drafts
    - Section 12.06 Development Requirements for PUD's with Residential Uses
      - Lack of residential density guidance for commercially master planned property
    - Section 21.03 Parking Lot Pavement Requirement
- 11. Public Comments
- 12. Township Board Reports
- 13. Commissioner and Staff Comments
- 14. Adjourn

Next meeting: February 5, 2024 at 7:00 p.m.

### ALLENDALE CHARTER TOWNSHIP PLANNING COMMISSION MEETING

December 18, 2023 7:00 p.m. Allendale Township Public Meeting Room

- 1. Call the Meeting to Order
- 2. Roll Call:

Present: Adams, Westerling, Bronson, Zuniga, Jacquot, Zeinstra

Absent: Nadda

Staff and Guests Present: Planner Greg Ransford

- 3. Communications and Correspondence:
- 4. Motion by Zeinstra to approve the December 4, 2023, Planning Commission Minutes with the revision of striking the second to last sentence regarding a "violation." Seconded by Westerling. **Approved 6-0**
- 5. Motion by Adams to approve the December 18, 2023, Planning Commission Agenda as presented. Seconded by Zeinstra. **Approved 6-0**
- 6. Public Comments for *non-public hearing item*:

Chairperson Adams opened the public comment section for non-public hearing items. Seeing no comments, Chairperson Adams closed the public comment section.

- 7. Public Hearings: None
- 8. Site Plan Review: None
- 9. New Business:
  - A. 2023 Annual Report of the Planning Commission

Mr. Bronson noted that his name was spelled incorrectly.

Motion by Jacquot, seconded by Westerling to approve the 2023 Annual Report with the correction of the spelling of Mr. Bronson's name. **Approved 6-0** 

B. 2024 Work Program

Motion by Zeinstra to approve the 2024 Work Program with the addition of reviewing PUD ownership language. Seconded by Zuniga. **Approved 6-0** 

C. Election of Officers

Motion by Westerling, seconded by Jacquot to keep the officers as they currently are Adams – Chairperson, Nadda – Vice-Chairperson, Secretary – Zuniga. **Approved 6-0** 

### 10. Old Business:

- A. Zoning Ordinance Text Amendments Drafts
  - Section 12.06 Development Requirements for PUD's with Residential Uses
     Commissioners discussed their concerns regarding lot bonuses and noted that the wetland determination language is confusing. Direction was provided to Ransford to update the draft.
  - Section 21.03 Parking Lot Pavement Requirement
     Commissioners discussed deferred parking and directed Planner Ransford to update the draft.

### 11. Public Comments:

Chairperson Adams opened the public comment section.

Sharon Kleinjans, a resident of Allendale, asked about PUD wording for the PUD located at  $52^{nd}$  and Lake Michigan Dr.

Seeing no more comments, Chairperson Adams closed the public comment section.

### 12. Township Board Reports:

Mr. Zeinstra reported that County Commissioner Sylvia Rhodea was at the last Board meeting, the DDA funding was continued and there will be a 150-year celebration for Allendale.

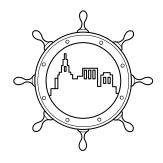
### 13. Commissioner and Staff Comments:

Planner Ransford asked the Commission if they would like to add a date to meet during January as they were only scheduled to meet on January 15, due to New Years Day falling on the 1<sup>st</sup> Monday. The Commissioners opined that they would like to keep the schedule as previously approved, with only one date.

14. Chairperson Adams adjourned the meeting at 8:16 p.m.

Next meeting January 15, 2024, at 7:00 p.m.
Minutes respectfully submitted by Kelli McGovern





### Fresh Coast Planning

119 <sup>1</sup>/<sub>2</sub> Washington Avenue, Studio B Grand Haven, MI 49417 www.freshcoastplanning.com

Gregory L. Ransford, MPA 616-638-1240 greg@freshcoastplanning.com

**Julie Lovelace** 616-914-0922 julie@freshcoastplanning.com

Kevin Yeomans 616-821-4969 kevin@freshcoastplanning.com

Alexis Sorrell 616-773-4638 alexis@freshcoastplanning.com

### **MEMORANDUM**

To: Allendale Charter Township Planning Commission

From: Gregory L. Ransford, MPA

Date: January 10, 2024

Re: Allendale Crossings Planned Unit Development Major Amendment – Jiffy Lube Preliminary

Review

In accordance with Section 12.07 – Procedures of the Allendale Charter Township Zoning Ordinance (ACTZO), attached is a Planned Unit Development (PUD) major amendment application from Dhruva Savalia of Freeland & Kauffman, Incorporated on behalf of Guggenheim Development Services, LLC to construct a 3,252 square foot building for the purpose of a Jiffy Lube, which provides automotive repair and maintenance. The property is located at 5197 Lake Michigan Drive, parcel number 70-09-24-400-085.

As you know, this property is part of the Allendale Crossings PUD and is located west of the Arby's Restaurant. As you will note further below in our Observations and Findings section of our memorandum, three amendments to the Allendale Crossings PUD would be necessary to achieve their request.

### **Preliminary Review Observations and Findings**

Pursuant to your longstanding direction, the applicant has submitted the site plan for preliminary review prior to scheduling the proposed amendment for final review and public hearing. While the submission is for preliminary review, we conducted a comprehensive review related to the ACTZO to ensure the applicant receives complete guidance early in the process. As you know, our notations within this memorandum are not composed of the traditional review format (i.e. site plan and PUD review standards, suggested conditions, etcetera) given the preliminary nature of the review. Based on this, we provide our ordinance findings and observations below.

Relevant Allendale Crossings PUD Ordinance Provisions – Site 4

- Section 4 Permitted Uses An automobile repair and maintenance use is not identified as a permitted use within the Allendale Crossings PUD. As a result, the applicant seeks an amendment to the PUD to permit the proposed use.
- Section 5B5 Front Yard Travel Lane All front yard travel lanes shall contain a landscape hedge to screen its view from the road right-of-way. In addition, it shall contain a wall which shall also be used for signage display. While the applicant has satisfied the landscape hedge, they propose free-standing signage consistent with its adjacent neighbors to the immediate east and west. It is important to note that both of the adjacent neighbors do not contain a traditional travel lane as their parking is located on the south side of the travel lane area. Even though the adjacent neighbors have free standing signs not in combination with a travel lane wall, the applicant seeks an amendment to the PUD to permit their signage and landscape hedge as proposed.
- Section 5B8a1 All commercial service establishments shall have a storefront pedestrian walkway at a minimum of fourteen (14) feet in width, the first two feet of which will be the curb zone; the next four feet will be the tree, light and furniture zone; the next six feet will be the pedestrian zone; and the two feet against the building will be a frontage zone. The pedestrian store front furniture zones shall include columnar deciduous trees a minimum of thirty feet on center with landscape

planters or grates. It shall also include lighting, trash receptacles, and pedestrian benches. The applicant seeks relief from this requirement to construct the storefront area as presented within the site plan. Their relief is sought through the necessary PUD amendment to eliminate this requirement for Site 4.

• Authorization of amendment – As you know and based on the opinion of the Township Legal Counsel, the applicant needs to provide authorization to amend the Allendale Crossings PUD from the other ownership within the development. The applicant is working to provide that authorization.

### Relevant Zoning Ordinance Provisions

• Light Fixture Specification Sheet – While the light fixture appears to be an exposed bulb. The applicant has indicated that the fixture will point down toward the ground, and it is merely "tilted up" on the specification sheet so you can see the fixture for marketing purposes.

### **Township Staff Reviews**

Fire Department

The Fire Department is generally satisfied with the proposed plans.

Township Water and Sewer

The Township Superintendent of Public Utilities is working through a number of items with the applicant. However, none of those items are expected to impact the site layout.

Township Engineer

The Township Superintendent of Public Utilities is working through a few items with the applicant. However, none of those items are expected to impact the site layout.

### **Public Hearing**

As you know, the Final PUD Site Plan amendment requires a public hearing. Given this, the Planning Commission will need to schedule said hearing when deemed appropriate.

### **Planning Commission Considerations**

As the Planning Commission performs their preliminary review of this request, the following warrant your review and consideration. They are listed in no particular order.

- Whether the following amendments to the Allendale Crossings PUD are appropriate
  - o An automobile repair and maintenance use shall be allowed on Site 4, which can be limited to the site plan submitted
  - o The landscape hedge and signage is acceptable for the front travel lane
  - o The storefront pedestrian walkway as presented
- Whether authorization to amend the PUD from ownership should be provided prior to the final plan submission and public hearing

The application has been scheduled for review at your January 15, 2024 meeting. We expect the applicant to be in attendance. If you have any questions, please let us know.

GLR Planner

Attachments

cc: Adam Elenbaas, Supervisor
Dhruva Savalia, Freeland & Kauffman, Incorporated

# SITE DEVELOPMENT PLANS JIFFY LUBE

5195 LAKE MICHIGAN DRIVE ALLENDALE CHARTER TOWNSHIP, OTTAWA COUNTY, MICHIGAN

# PROJECT CONTACT LIST:

WATER & SEWER

ALLENDALE CHARTER TOWNSHIP

6676 LAKE MICHIGAN DRIVE,

ALLENDALE, MI 4940I

ATTN: CHAD DOORNBOS

P - 616-892-3117

EMAIL: CHADDOORNBOS@ALLENDALE-TWP.ORG

COUNTY STORMWATER & EROSION
OTTAWA COUNTY WATER RESOURCES COMMIS

OTTAWA COUNTY WATER RESOURCES COMMISSIONER (OCWRC)

12220 FILMORE STREET, ROOM 141, WEST OLIVE, MI 49460 ATTN: JESSICA PIERE

PHN. - 616-994-4530 EMAIL: WATERRESOUCESCOMMISSIONER®MIOTTAWA.ORG

INSPECTIONS

ALLENDALE CHARTER TOWNSHIP
6676 LAKE MICHIGAN DRIVE,
ALLENDALE, MI 4940I
ATTN: CHAD DOORNBS
P - 616-892-3117

EMAIL: CHADDOORNBOS@ALLENDALE-TWP.ORG

ELECTRIC CONSUMER ENERGY P - 800-805-0490 EMAIL:

CONSUMERSENERGYBUSINESSSOLUTIONS@CMSENERGY.COM

GAS
ATLANTA GAS & LIGHT
PO BOX 4569
ATLANTA, GA 30301
P - 404-584-4000

PLANNING & ZONING DEPARTMENT

ALLENDALE CHARTER TOWNSHIP

6676 LAKE MICHIGAN DRIVE, PO BOX 539,

ALLENDALE, MI 4940I

ATTN: KELLI MCGOVERN

P - 616-895-6295

EMAIL: KELLIMCGOVERNOALLENDALE-TWP.ORG

PLANNER
FRESH COAST PLANNING
ATTN: GREGORY RANSFORD
P - 616-638-1240

EMAIL: GREGOFRESTCOASTPLANNING.COM

FIRE DEPARTMENT

FLOOD INFORMATION:

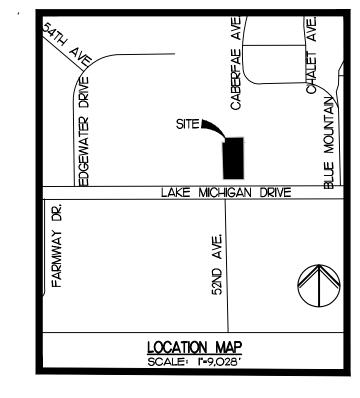
FLOOD ZONE "X" (MINIMAL FLOOD

HAZARD)

PER FEMA MAP NO. 26139CO231E

EFFECTIVE DATE: DECEMBER 16, 2011

ALLENDALE FIRE DEPARTMENT
6676 LAKE MICHIGAN DRIVE,
ALLENDALE, MI 4940I
ATTN: TONY DOLCE
P - 616-895-6295
EMAIL: TONUDOCE®ALLENDALE-TWP.ORG



SITE LOCATION MAP

NTS
PARCEL IDENTIFICATION NUMBER:
PIN: 70-09-24-400-085

# INDEX

NO. TITLE

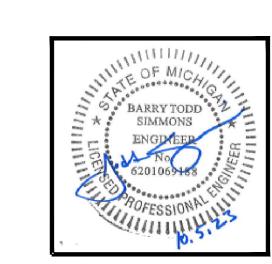
I COVER
TOPOGRAPHIC SURVEY
SITE ANALYSIS PLAN
DEMOLITION PLAN
SITE PLAN
SITE DETAIL
GRADING PLAN
STORMDRAIN PROFILE
STORMDRAIN DETAIL
IO UTILITY PLAN
II UTILITY DETAIL
I2 ESC PLAN
I3 ESC DETAILS
I4 LANDSCAPE PLAN

LANDSCAPE DETAIL

- I. INFORMATION CONCERNING UNDERGROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS AND FIELD CONDITIONS WHEN POSSIBLE, BUT THE CONTRACTOR MUST DETERMINE THE EXACT LOCATION AND ELEVATION OF ALL EXISTING UTILITIES BY DIGGING TEST PITS BY HAND AT ALL UTILITY CROSSINGS WELL IN ADVANCE OF TRENCHING. IF THE CLEARANCES ARE LESS THAN SPECIFIED ON THE PLANS OR 12", WHICHEVER IS LESS, CONTACT FREELAND & KAUFFMAN, INC. (864-233-5497) AND OWNER PRIOR TO PROCEEDING WITH CONSTRUCTION.
- 2. THE CONTRACTOR SHALL INCLUDE IN HIS CONTRACT PRICE THE REMOVAL AND DISPOSAL OF ANY EXCESS TOPSOIL HE/SHE DETERMINES IS NOT REQUIRED TO PERFORM THE FINAL GRADING AND LANDSCAPING OPERATION.
- 3. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND IMPLEMENTATION OF ALL REQUIRED/NECESSARY SHEETING, SHORING, AND SPECIAL EXCAVATION MEASURES REQUIRED ON THE PROJECT TO MEET OSHA, FEDERAL, STATE AND LOCAL REGULATIONS PURSUANT TO THE INSTALLATION OF THE WORK INDICATED ON THE DRAWINGS. OWNER AND FREELAND & KAUFFMAN, INC. ACCEPT NO RESPONSIBILITY FOR THE DESIGN TO INSTALL SAID ITEMS.
- 4. CALL UTILITY LOCATOR SERVICE 72 HOURS IN ADVANCE OF DIGGING AT 811.
- 5. ALL WORK SHALL CONFORM TO THE ALLENDALE CHARTER TOWNSHIP STANDARDS AND SPECIFICATIONS.
- 6. ALL CURB/HANDICAP RAMP DESIGNS SHALL CONFORM TO ADA STANDARDS OR ALLENDALE CHARTER TOWNSHIP STANDARDS, WHICHEVER IS MORE RESTRICTIVE.
- 7. PRE-CAST DRAINAGE AND SANITARY SEWER STRUCTURES HAVE BEEN SPECIFIED ON THE PLANS. OWNER AND FREELAND & KAUFFMAN, INC., HOWEVER, ASSUME NO RESPONSIBILITY FOR THESE STRUCTURES AS FIELD CONDITIONS DURING CONSTRUCTION OFTEN DICTATE MINOR ELEVATION ADJUSTMENTS. THE CONTRACTOR ASSUMES ALL RESPONSIBILITY AND EXPENSE FOR MODIFYING THESE STRUCTURES TO ACCOMMODATE THESE FIELD ADJUSTMENTS.
- 8. THE CONTRACTOR IS RESPONSIBLE FOR PREPARING AND SUBMITTING AS-BUILT WATER AND SEWER INFORMATION, TO OBTAIN PERMITS TO PLACE UTILITIES INTO OPERATION. THE CONTRACTOR IS ALSO REQUIRED TO PROVIDE COPIES OF THE WATER AND SEWER PRESSURE TESTS, WATER MAIN BACTERIOLOGICAL TESTS, BACKFLOW PREVENTION TESTS BY A CERTIFIED BACKFLOW PREVENTION SPECIALIST, ETC., AS REQUIRED BY CHEROKEE COUNTY AND GAEPD.
- 9. ALL WATER LINE AND SEWER LINE INSTALLATION SHALL CONFORM TO THE STANDARDS AND DETAILS OF ALLENDALE CHARTER TOWNSHIP AND DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY (EGLE). THE CONTRACTOR IS RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH THESE STANDARDS.
- IO. THE LAND DISTURBANCE PERMIT MUST BE KEPT ON THE WORK SITE AND SHOWN UPON REQUEST.
- II. THE CONTRACTOR SHALL INCLUDE IN THE CONTRACT PRICE ALL MATERIAL AND LABOR ASSOCIATED WITH THE TESTING OF THE WATER AND SEWER LINES REQUIRED BY ALLENDALE CHARTER TOWNSHIP AND EGLE.
- 12. THE CONTRACTOR SHALL INCLUDE IN THE CONTRACT PRICE ANY DE-WATERING NECESSARY TO CONSTRUCT THE PROJECT AS SHOWN ON THE PLANS.
- 13. EROSION AND SEDIMENT CONTROL MEASURES MUST BE INSPECTED ONCE EVERY 7 CALENDAR DAYS AND WITHIN 24-HOURS OF QUALIFYING STORM EVENTS, AND MAINTAINED AS NEEDED TO INSURE THAT THE INTENDED PURPOSES ARE ACCOMPLISHED.
- 14. ALL PRE-CAST DRAINAGE AND MANHOLE STRUCTURES MUST MEET MDOT SPECIFICATIONS.
- 15. THE CONTRACTOR IS RESPONSIBLE FOR SECURING THE SERVICES OF A MICHIGAN REGISTERED LAND SURVEYOR ON-SITE TO PROVIDE ALL CONSTRUCTION STAKE-OUT SERVICES. THE CONTRACTOR IS ALSO RESPONSIBLE FOR INSURING THE SURVEYOR IS IN POSSESSION OF THE LATEST REVISIONS OF ALL

REVISIONS	PRE-BID SET A POST BID SET ISSUE DATE	DATE	BY

THE PROPOSED USE OF THIS SITE IS AN AUTOMOTIVE REPAIR ESTABLISHMENT. THE PROJECT WILL CONSIST OF A JIFFY LUBE BUILDING WITH ASSOCIATED PARKING AND DRIVEWAYS.



# ENGINEER-

FREELAND and KAUFFMAN, INC.

Engineers - Landscape Architects 209 WEST STONE AVENUE GREENVILLE, SC 29609 864.233.5497 (TEL.) 864.233.8915 (FAX)

CONTACT: TODD SIMMONS, PE E-MAIL: TSIMMONS@FK-INC.COM

OWNER/DEVELOPERGUGGENHEIM DEVELOPMENT SERVICES

3000 INTERNET BLVD., SUITE 570

FRISCO, TX 75034 214-534-8191 (TEL.)

CONTACT: JASON BOILLING E-MAIL: JASON.BOLLINGOGUGGENHEIMPARTNERS.COM

SHEET OI OCTOBER 5, 2023

### TITLE DESCRIPTION

Electric Meter

Electric Riser

Gas Meter

Iron-Set

Light Pole

Manhole

Storm Manhole

Underground Gas Marker

Electric Underground Line

**Existing Building** 

The Land referred to in this commitment is described as follows:

Land situated in the Township of Allendale, Ottawa County, Michigan:

Part of the South 1/2 of Section 24, Town 7 North, Range 14 West, described as: Commencing at the South 1/4 corner of said Section; thence North 00 degrees 25 minutes 55 seconds West 330.00 feet along the North-South 1/4 line of said Section to the point of beginning; thence continuing North 00 degrees 25 minutes 55 seconds West 32.48 feet along said 1/4 line; thence South 88 degrees 52 minutes 53 seconds East 125.03 feet parallel with the South line of said Section; thence South 01 degrees 3 minutes 04 seconds West 271.56 feet parallel with the West line of Units 1 and 2 of Allendale Crossings Condominium, Ottawa County Condominium Subdivision Plan No. 538; thence North 88 degrees 56 minutes West 135.01 feet along the Northerly right-of-way line for Lake Michigan Drive; thence North 00 degrees 25 minutes 55 seconds West 239.27 feet; thence South 89 degrees 07 minutes 11 seconds East 17.00 feet along the South line of South Edgewater Park, Edgewater Business Plat, as recorded in Liber 31 of Plats, Pages 41 through 44, inclusive, Ottawa County

### **SURVEYOR'S NOTES**

- 1) ALTA TABLE "A" ITEM NO. 3 Flood Zone Classification: An examination of the National Flood Insurance Program's Flood Insurance Rate Map for Community Number 260490, Map Number 26139C0231E, with an Effective Date of December 16, 2011, shows this parcel to be located in Zone X(Areas determined to be outside of the 0.2% annual chance floodplain.) No field surveying was performed to determine this zone.
- 2) ALTA TABLE "A" ITEM NO. 4 Gross Land Area: 37,064 Square Feet / 0.85 Acres
- 3) ALTA TABLE "A" ITEM NO. 7(b)(1) Building Area: No building observed at the time of survey
- 4) ALTA TABLE "A" ITEM NO. 7(c) No building observed at the time of survey
- 5) ALTA TABLE "A" ITEM NO. 9 Parking Information: No parking spaces were observed on site at the time of survey.
- 6) Note to the client, insurer, and lender With regard to Table A, item 11, information from the sources checked above will be combined with observed evidence of utilities pursuant to Section 5.E.iv. to develop a view of the underground utilities. However, lacking excavation, the exact location of underground features cannot be accurately, completely, and reliably depicted. In addition, in some jurisdictions, 811 or other similar utility locate requests from surveyors may be ignored or result in an incomplete response. Where additional or more detailed information is required, the client is advised that
- 7) NOTE TO CONTRACTORS: 3 (THREE) WORKING DAYS BEFORE YOU DIG, CALL MISS DIG AT TOLL FREE 1-800-482-7171 FOR UTILITY LOCATIONS ON THE GROUND.

### ZONING INFORMATION

Current zoning classification was not provided by client.

# SURVEYOR'S CERTIFICATION

This is to certify that this map or plat and the survey on which it is based were made in accordance with the 2021 Minimum Standard Detail Requirements for ALTA/NSPS Land Title Surveys, jointly established and adopted by ALTA and NSPS, and includes Items 1, 2, 3, 4, 5, 6(a), 6(b), 7(a), 7(b)(1), 7(b)(2), 7(c), 8, 9 & 11(a) of Table A thereof. The fieldwork was completed on September 5, 2023.



HOLLAND 347 Hoover Blvd. Holland, MI 49423 Phone: 616.393.0449 **ANN ARBOR** CHICAGO **COLUMBUS** 

**GRAND RAPIDS** 

**INDIANAPOLIS** 

### PREPARED FOR:

Freeland & Kauffman, Inc. Todd Simmons 209 West Stone Avenue Greenville, SC 29609

# CREATED:

# **REVISIONS:**

Rev: CLIENT EDITS Date: 9/25/23

STAMP:

0

PROJECT NO:

SHEET NO:

23201367

**LOCATION MAP** UTILITIES AND SERVICE LINES PRIOR TO NEW CONNECTIONS. Land Planning — Landscape Architecture — Civil Engineering — Land Surveying — High Definition Scanning — Forensic Engineering — Fire Investigation

CCOH C N88°56'56"W 135.01"

UE (MH #660 - SS)

S 1/4 COR SECTION 24 > T7N, R14W

\_\_\_\_\_

TEMPORARY CONSTRUCTION

(SEE SURVEYORS NOTE #5)

SCALE: 1" = 30'

ONLY UTILITIES IN THIS AREA.

Know what's **below**.

LITHITY LOCATIONS ARE DERIVED FROM ACTUAL MEASUREMENTS OR

AVAILABLE RECORDS. THEY SHOULD NOT BE INTERPRETED TO BE EXACT LOCATIONS NOR SHOULD IT BE ASSUMED THAT THEY ARE THE

EXISTING UTILITIES AND SERVICE LINES IDENTIFIED AS "(PLAN)" WERE

OBTAINED FROM AVAILABLE CITY AS-BUILT RECORD DRAWINGS. THI

CALL before you dig.

© 2023 Nederveld, Inc.

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ACCESS S W SSW SW

**SCHEDULE B - SECTION II NOTES** 

of Easement recorded in Liber 5714, Page 631. The easement described in this document is shown on this survey.

based on the description contained in the record document - does not affect the surveyed property.

LAKE MICHIGAN DRIVE

VARIABLE WIDTH PUBLIC R.O.W.

CB #11238

BENCHMARK #502

ELEV. = 658.73

Right(s) of Way and/or Easement(s) and rights incidental thereto, as granted in a document: Granted to: State Highway Commissioner of the State of Michigan Recording No: Liber 241, Page 51. The location of said easement

Right(s) of Way and/or Easement(s) and rights incidental thereto, as granted in a document: Granted to: Consumers Power Company (now known as Consumers Energy) Recording No: Liber 285, Page 496 and Partial Release

Right(s) of Way and/or Easement(s) and rights incidental thereto, as granted in a document: Granted to: County of Ottawa in document entitled Utility Line Easement Recording No: Liber 1197, Page 843, Liber 1197, Page 849

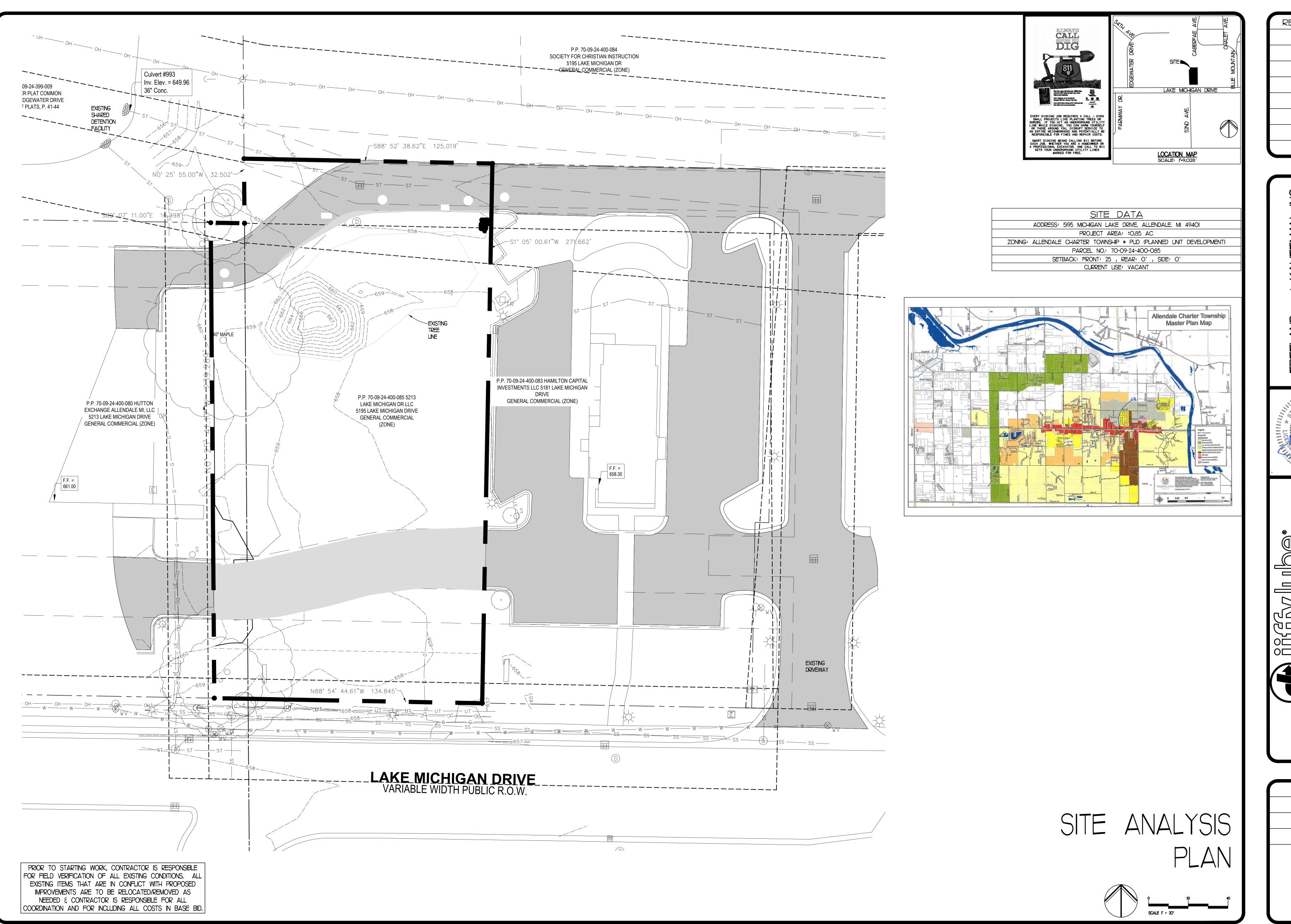
Easements and the terms, conditions and provisions thereof which are recited in Grant of Easement for Storm Water Drainage and Detention Purposes by and between Edgewater Business Center Association, Inc., a Michigan non-profit corporation to Allendale Crossings, a Michigan non-profit corporation and Pear Line, L.L.C., a Michigan limited liability company recorded in Liber 5725, Page 415. Said easement is not on, does not touch, and

Easements and the terms, conditions and provisions thereof which are recited in Reciprocal Easement Agreement with Covenants, Conditions and Restrictions by and between Hutton Exchange Allendale MI, LLC, a Michigan

Right(s) of Way and/or Easement(s) and rights incidental thereto, as granted in a document: Granted to: Consumers Energy Company, a Michigan corporation Recording No: Instrument No. 2018-0028247. The policy does not

limited liability company and Pear Line, LLC, a Michigan limited liability company recorded in Instrument No. 2017-0042998. First Amendment recorded in Instrument No. 2018-0016588. The easement described in this

insure against unpaid water, sewer, blight tickets, electric or gas charges, if any, that have not been levied as taxes against these lands. (Meter readings should be obtained and adjusted between appropriate parties.) Said easement is not on, does not touch, and/or - based on the description contained in the record document - does not affect the surveyed property.



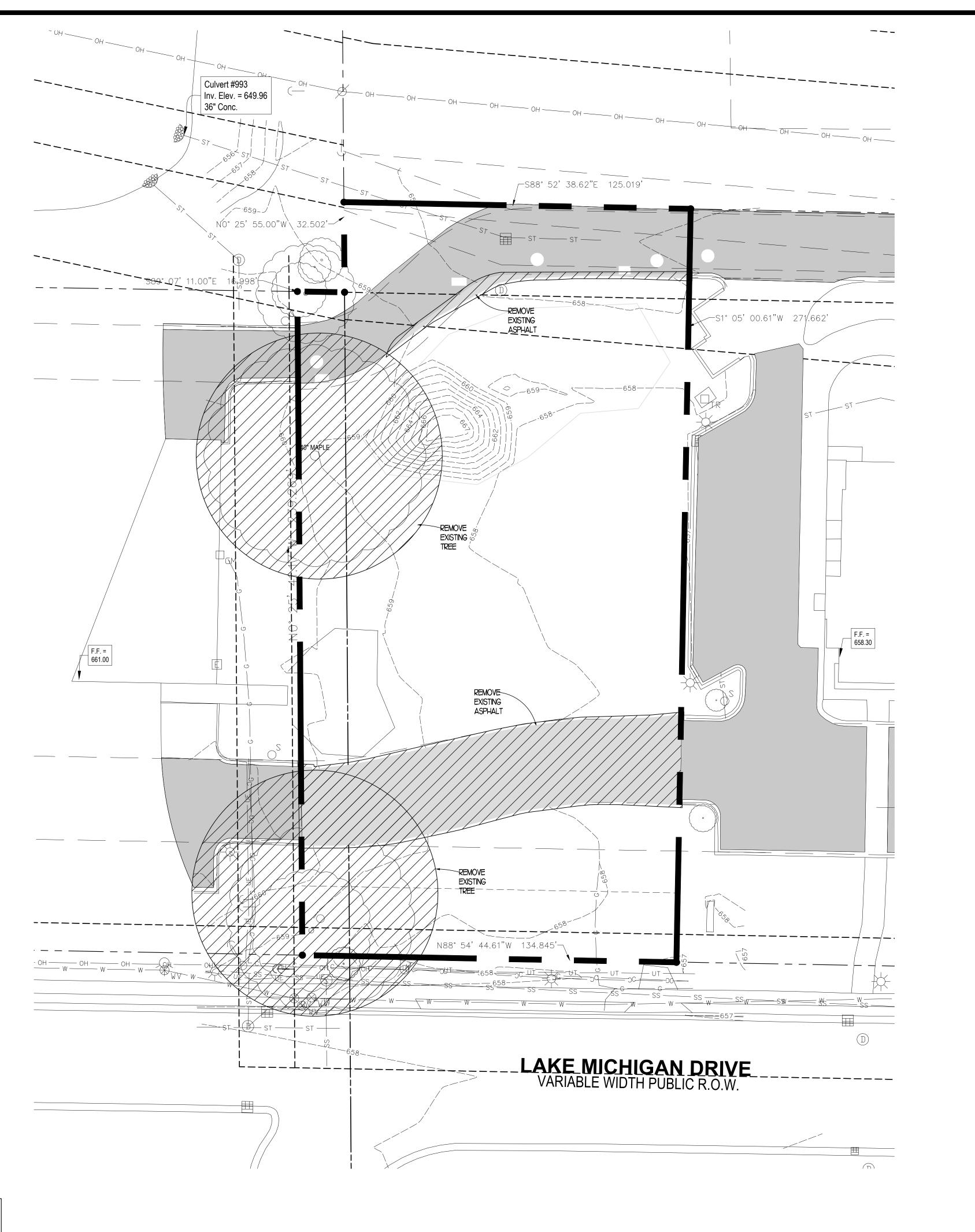
REVISIONS BY

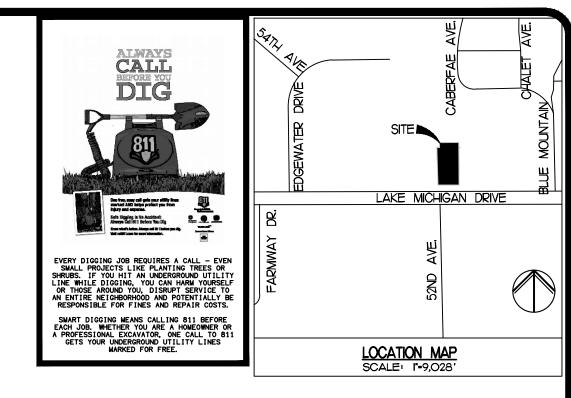
CHECKED BTS 10/05/2023 AS NOTED DRAWING

BARRY TODD

SIMMONS

R





SITE DATA

ADDRESS: 5195 MICHIGAN LAKE DRIVE, ALLENDALE. MI 49401

PROJECT AREA: ±0.85 AC

ZONING: ALLENDALE CHARTER TOWNSHIP • PUD (PLANNED UNIT DEVELOPMENT)

PARCEL NO.: 70-09-24-400-085

SETBACK: FRONT: 25 , REAR: O' , SIDE: O'

CURRENT USE: VACANT

REVISIONS BY

De Architects
Avenue

Olina 29609

Engineers \* Landscape Archite
209 West Stone Avenue
Greenville, South Carolina 29609
864-233-5497



LENDALE, M - LAKE MICHIGAN D

GUGGENHEIM DEVELOPMENT SERVICES, LLC
3000 INTERNET BOLLEVARD, SUITE 570
FRISCO, TX 75034

DRAWN
DS
CHECKED
BTS
DATE
IO/05/2023
SCALE
AS NOTED
DRAWING

20 40

DEMOLITION PLAN

PRIOR TO STARTING WORK, CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL EXISTING CONDITIONS. ALL EXISTING ITEMS THAT ARE IN CONFLICT WITH PROPOSED IMPROVEMENTS ARE TO BE RELOCATED/REMOVED AS NEEDED & CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION AND FOR INCLUDING ALL COSTS IN BASE BID.

# SITE PLAN NOTES

- I. CONTRACTOR SHALL REFER TO THE JIFFY LUBE ARCHITECTURAL PLANS FOR THE EXACT LOCATION OF UTILITY ENTRANCES, BUILDING DIMENSIONS, ROOF LEADERS, EXIT DOORS, EXIT RAMPS AND PATIO.
- 2. ALL DIMENSIONS ARE TO BUILDING FACE, FACE OF CURB, EDGE OF ASPHALT
- 3. CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIALS FOR THE INSTALLATION OF TRAFFIC SIGNAGE AND PAVEMENT MARKINGS AS SHOWN ON THE CONSTRUCTION PLANS.

OR EDGE OF SIDEWALK UNLESS NOTED OTHERWISE.

- 4. ALL STRIPED ISLANDS SHALL BE PAINTED WITH STRIPES 4" WIDE, AT 45" AND 2 FEET O.C.
- 5. ALL STRIPING ON SITE SHALL BE 4" WIDE UNLESS NOTED OTHERWISE. STRIPING IN GDOT RIGHT-OF-WAY SHALL BE 5" WIDE.
- 6. CONTRACTOR SHALL COORDINATE FINAL LOCATION OF THE SITE SIGN WITH
- 7. CONTRACTOR SHALL REFER TO OTHER PLANS WITHIN THIS CONSTRUCTION SET FOR OTHER PERTINENT INFORMATION.
- 8. ALL WORK AND MATERIALS SHALL COMPLY ALLENDALE CHARTER TOWNSHIP REGULATIONS AND CODES AND O.S.H.A. STANDARDS.
- 9. ALL DISTURBED AREAS ARE TO RECEIVE FOUR INCHES OF TOPSOIL, SEED, MULCH AND WATER UNTIL A HEALTHY STAND OF GRASS IS ESTABLISHED, UNLESS OTHERWISE NOTED.
- IO. CONTRACTOR IS RESPONSIBLE FOR OBTAINING APPROVAL FROM ALLENDALE CHARTER TOWNSHIP FOR THE LOCATION AND HEIGHT OF ALL SIGNAGE BEFORE CONDUIT AND WIRING IS INSTALLED.
- II. EXISTING STRUCTURES WITHIN CONSTRUCTION LIMITS ARE TO BE ABANDONED, REMOVED OR RELOCATED AS NECESSARY. ALL COST SHALL BE INCLUDED IN BASE BID. (RE: DEMOLITION PLAN)
- 12. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RELOCATIONS, INCLUDING BUT NOT LIMITED TO, ALL UTILITIES, STORM DRAINAGE, SIGNS, TRAFFIC SIGNALS & POLES, ETC. AS REQUIRED. ALL WORK SHALL BE IN ACCORDANCE WITH GOVERNING AUTHORITIES SPECIFICATIONS AND SHALL BE APPROVED BY SUCH. ALL COST SHALL BE INCLUDED IN BASE BID.
- 13. SITE BOUNDARY, TOPOGRAPHY, UTILITY AND ROAD INFORMATION TAKEN FROM A SURVEY BY NEDERVELD.
- 14. CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL ITEMS/FEATURES IN CONFLICT WITH PROPOSED IMPROVEMENTS AND FOR INCLUDING ALL COSTS IN

# PARKING CALCULATIONS

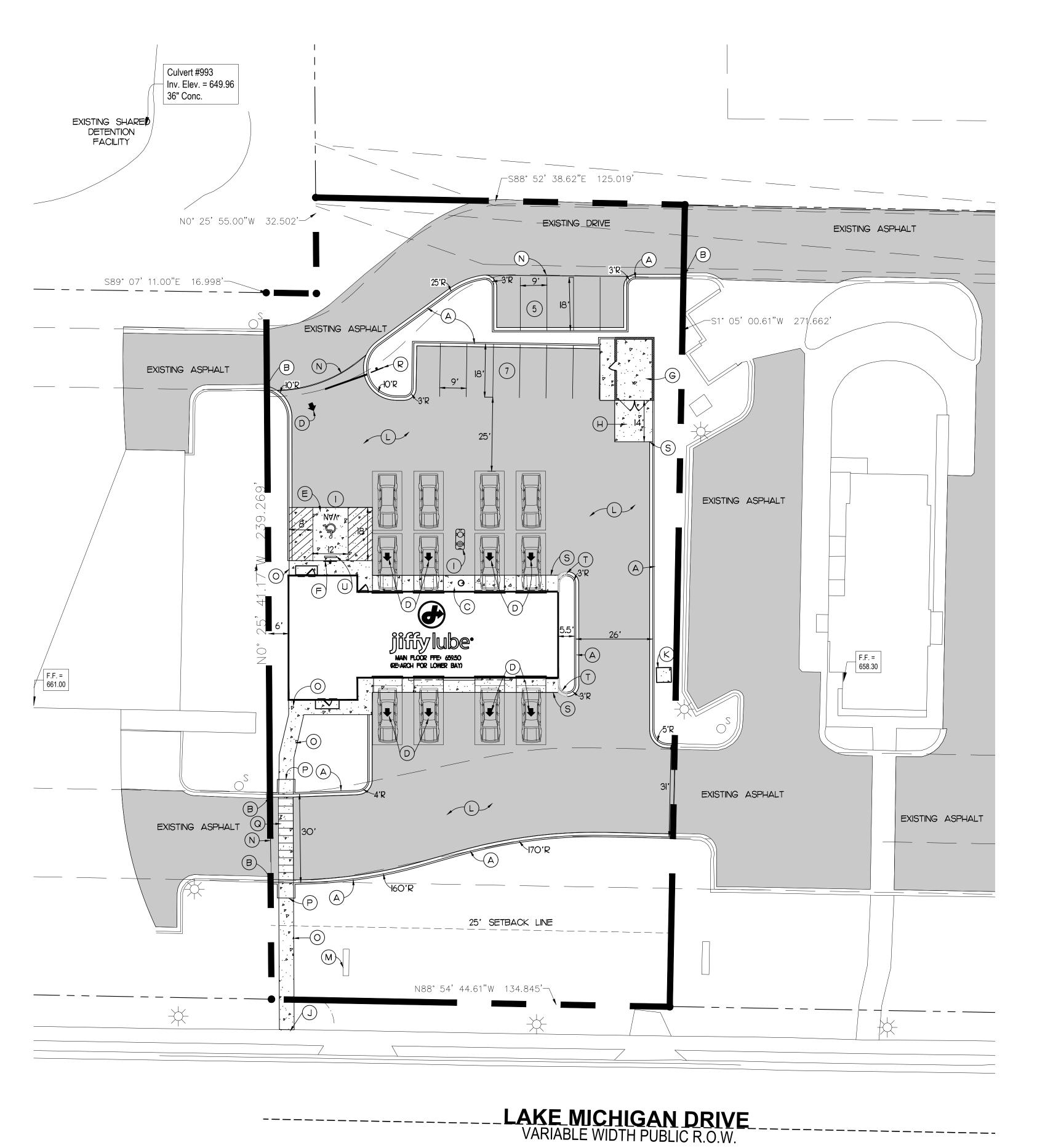
TENANT	QUANTITY	RATIO REQUIRED	PARKING REQUIRED	PARKING PROVIDED
JIFFY LUBE	296 SF	I PER 800SF	1	1
JIFFY LUBE EMPOYEE	8 EMP	I PER 2 EMP	4	3
JIFFY LUBE SERVICE BAY	4	2.0 / BAY	8	6
TOTAL			13	13

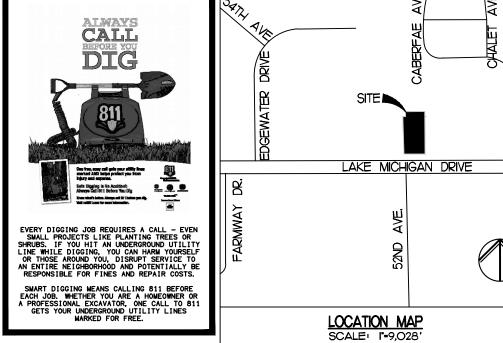
# SITE DATA ADDRESS: 5195 MICHIGAN LAKE DRIVE, ALLENDALE. MI 49401

PROJECT AREA: ±0.85 AC ZONING: ALLENDALE CHARTER TOWNSHIP • PUD (PLANNED UNIT DEVELOPMENT) PARCEL NO.: 70-09-24-400-085 SETBACK: FRONT: 25 , REAR: O' , SIDE: O'

PAINT STRIPING LEGEND

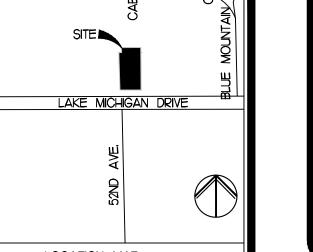
SWSL/4" - SINGLE WHITE SOLID LINE / 4" WIDE DYSL/4" - DOUBLE YELLOW SOLID LINE / 4" WIDE NOTE: PAINT STRIPPING TO RECEIVE TWO COATS.





# **LEGEND**

- (A) 18" CURB & GUTTER
- (B) TIE PROPOSED CURB & GUTTER TO EXISTING
- C CONCRETE APRON (RE: ARCH)
- D DIRECTIONAL ARROW (RE: ARCH)
- E ACCESSIBLE PARKING SPACE W/ SIGN IN PIPE BOLLARD POST TYPICAL. SEE SITE DETAILS SHEET FOR ACCESSIBLE SPACE SIGN AND SYMBOL.
- F ADA SIGN IN PIPE BOLLARD POST
- G DUMPSTER ENCLOSURE (RE: ARCH)
- (H) HEAVY DUTY CONCRETE PAD, SEE DETAIL
- (I) OIL SEPERATOR (RE: ARCH)
- J TIE PROPOSED SIDEWALK TO EXISTING
- (K) TRANSFORMER PAD
- L STANDARD DUTY PAVING, SEE DETAIL
- (M) SITE SIGN (BY OTHERS)
- (N) TIE TO EXISTING ASPHALT
- O) 5' CONCRETE SIDEWALK
- (P) ACCESSIBLE RAMP, SEE DETAILS
- Q 6' WIDE STRIPED CROSSWALK
- R "STOP" SIGN
- S ASPHALT TO CONCRETE CONNECTION, SEE DETAIL
- T) TAPER CURB FROM 6" TO 0" OVER 8"
- U WHEELSTOP



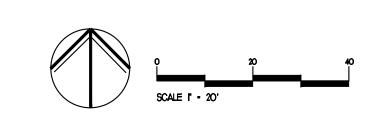
REVISIONS BY

BARRY TODD SIMMONS

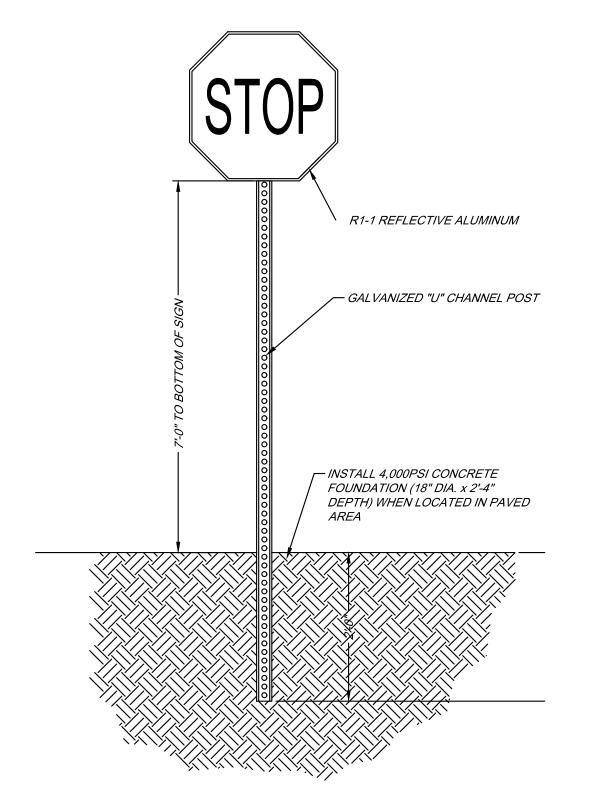
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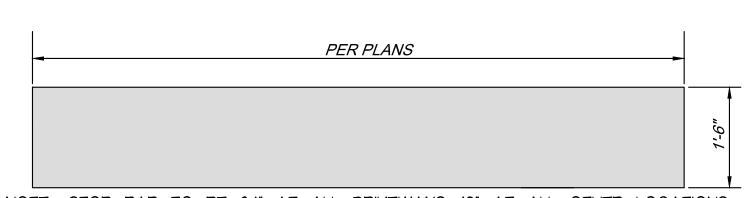
SITE PLAN



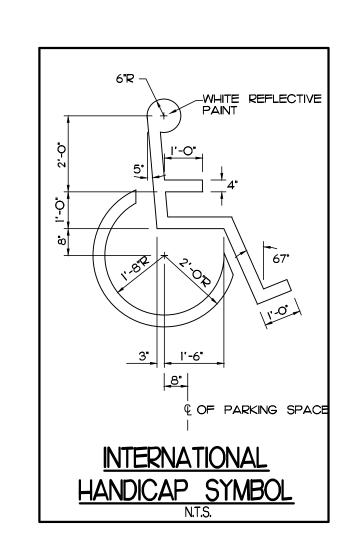
PRIOR TO STARTING WORK, CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL EXISTING CONDITIONS. ALL EXISTING ITEMS THAT ARE IN CONFLICT WITH PROPOSED IMPROVEMENTS ARE TO BE RELOCATED/REMOVED AS NEEDED & CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION AND FOR INCLUDING ALL COSTS IN BASE BID.

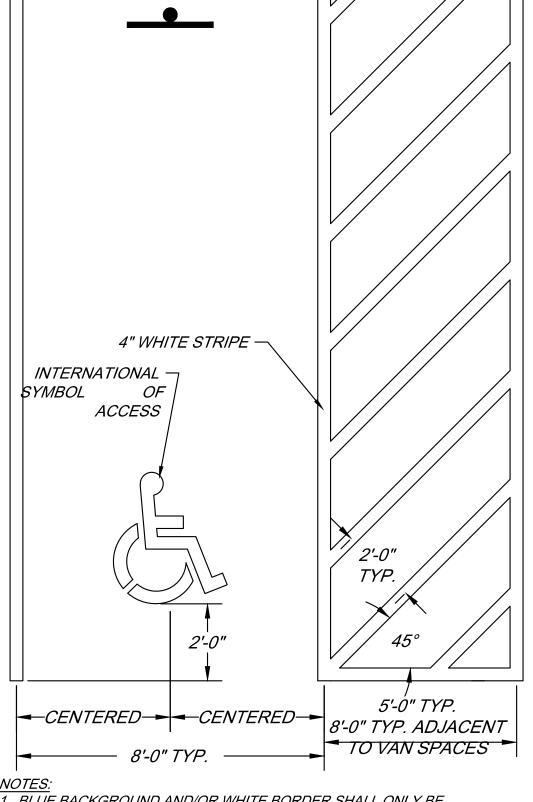


# STOP SIGN DETAIL



NOTE: STOP BAR TO BE 24" AT ALL DRIVEWAYS, 18" AT ALL OTHER LOCATIONS STOP BAR DETAIL

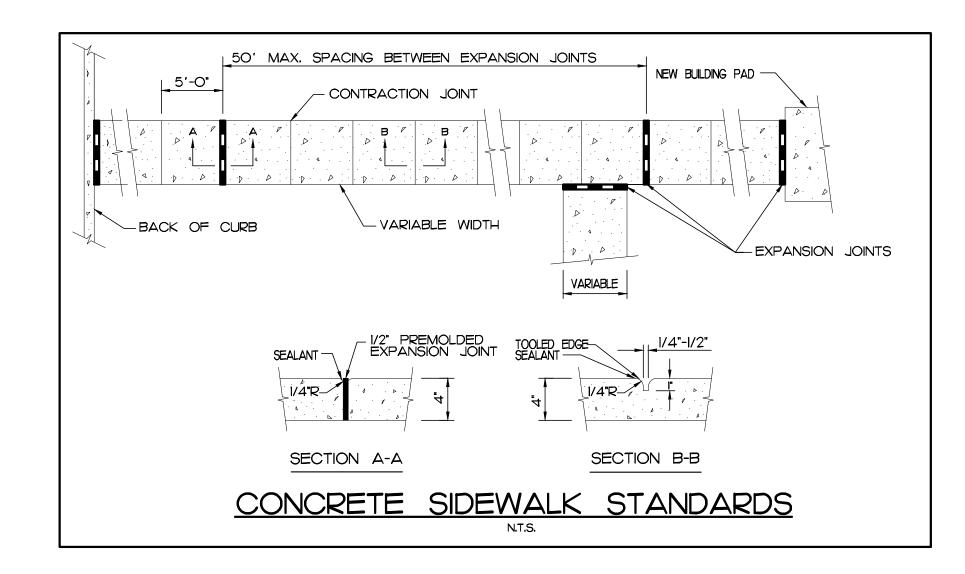


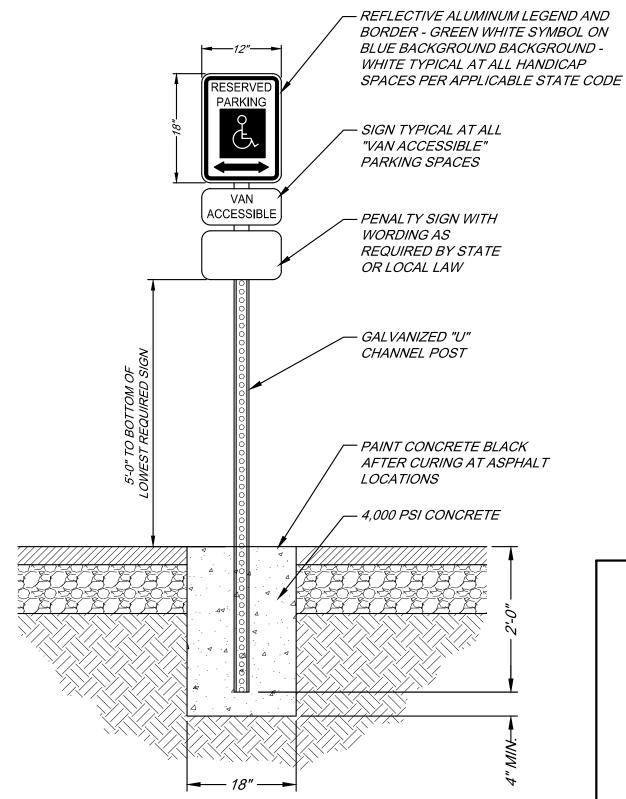


1. BLUE BACKGROUND AND/OR WHITE BORDER SHALL ONLY BE
INSTALLED WHERE REQUIRED BY AHJ.

2. ALL PAVEMENT MARKINGS SHALL MATCH THE EXACT DIMENSIONS AND

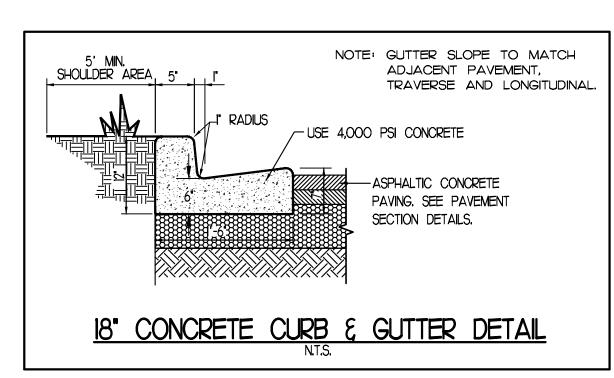
COLOR SHOWN ON THIS DETAIL UNLESS REQUIRED OTHERWISE BY

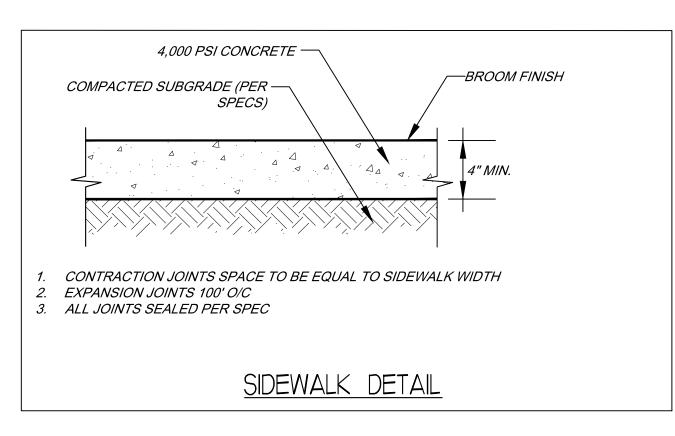


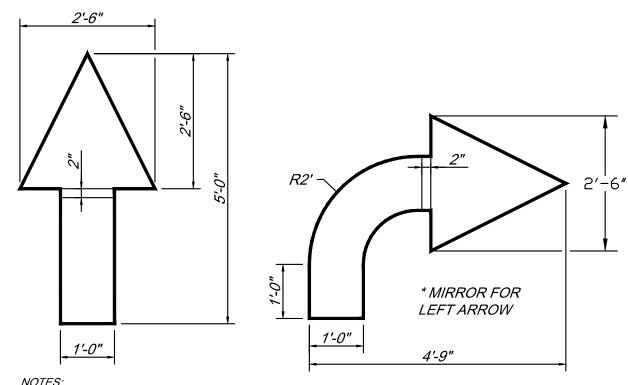


# HANDICAP PARKING SIGN

ONE AT EACH HANDICAP SPACE. WHERE HANDICAP SPACES FACE EACH OTHER WITHOUT WALKWAY, THERE SHALL BE ONE POST WITH SIGNS MOUNTED BOTH SIDES







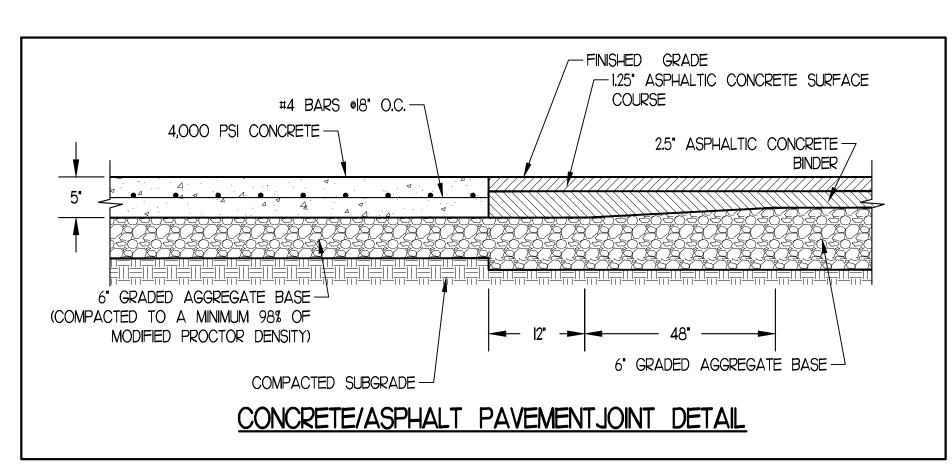
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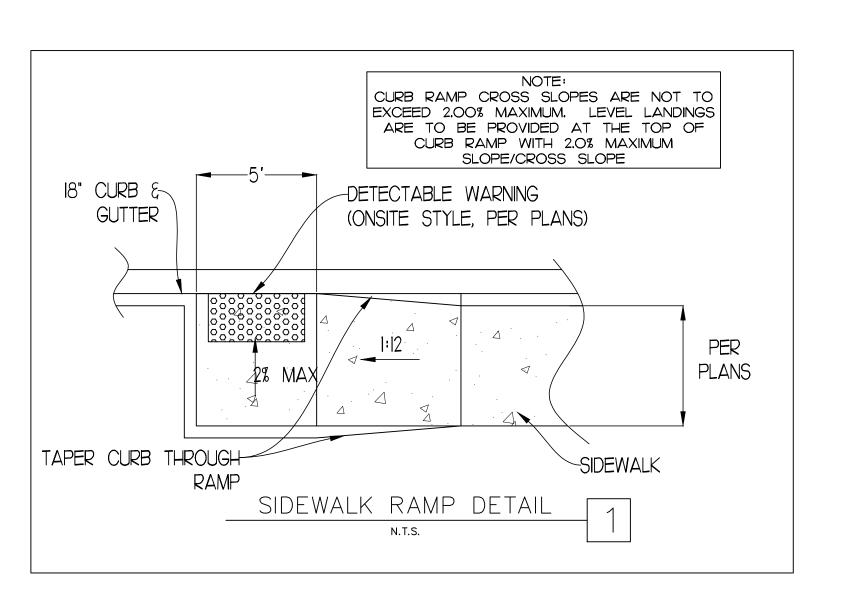
1. ALL ARROWS SHALL MATCH EXACT DIMENSIONS, UNLESS REQUIRED BY AHJ.

2. ARROWS SHALL BE PAINTED SOLID WHITE PER LOWE'S SECTION 2741 SPECIFICATIONS.

3. STENCIL BRIDGING SHALL BE FILLED IN ON ALL ARROWS.

PAVEMENT MARKING ARROWS





SITE DETAIL

REVISIONS BY

ELAND and KAUFFMAN, INC

Engineers \* Landscape Architects
209 West Stone Avenue
Greenville, South Carolina 29609
864-233-5497

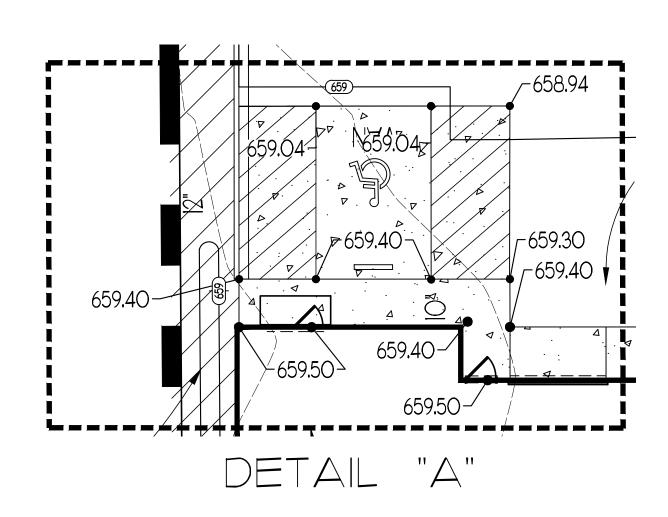
BARRY TODD
SIMMONS
ENGPREED
6201069488

ALLENDALE, MI - LAKE MICHIGAN DR

SOOO INTERNET BOLLEVARD, SUITE 570
FRISCO, TX 75034

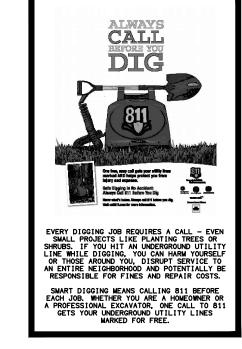
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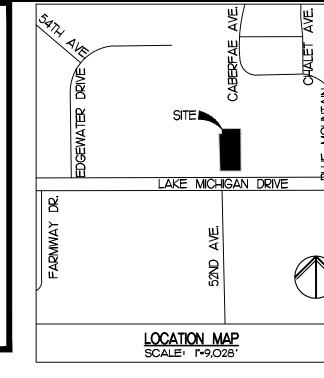
6



# NYLOPLAST-NYLOPLAST

--659<sub>--</sub> +/-658.04-658.50~ TC:659.27 BC:658.77 DRAIN BASIN 1/10" PVC • 1%, /IMIN. SLOPE 🚽 BC:659.40 SUMP PUMP 658.60~ (RE: ARCH)\ ∽SEE DETAIL ("A" BC:658.90 DRAIN BASIN MAIN FLOOR FFE: 659.50 (RE-ARCH FOR LOWER BAY) 659.27 659.40 BC:658.37 -TC:660.12 BC+659.62 TC:660.22-/ BC:659.72 LAKE MICHIGAN DRIVE VARIABLE WIDTH PUBLIC R.O.W. ----





I. ALL SITE WORK SHALL BE DONE IN ACCORDANCE WITH THE PLANS PREPARED BY FREELAND & KAUFFMAN, INC., THE CURRENT REQUIREMENTS ALLENDALE CHARTER TOWNSHIP, THE APPLICABLE SECTIONS OF THE MDOT STANDARD SPECIFICATIONS FOR ROADWAY CONSTRUCTION, AND ALL OTHER PERTINENT FEDERAL AND STATE

2. THE CONTRACTOR SHALL COMPLY AT ALL TIMES WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, PROVISIONS, AND POLICIES GOVERNING SAFETY AND HEALTH, INCLUDING THE FEDERAL CONSTRUCTION SAFETY ACT (PUBLIC LAW 91-54), FEDERAL REGISTER, CHAPTER XVII, PART 1926 OF TITLE 29 REGULATIONS, OCCUPATIONAL SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION, AND SUBSEQUENT PUBLICATIONS UPDATING THESE REGULATIONS.

3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EXAMINING THE AREAS AND CONDITIONS UNDER WHICH THE PROJECT IS TO BE CONSTRUCTED PRIOR TO THE SUBMISSION OF A BID. SUBMISSION OF A BID SHALL BE CONSTRUED TO MEAN THE CONTRACTOR HAS REVIEWED THE SITE AND IS FAMILIAR WITH CONDITIONS AND CONSTRAINTS OF THE SITE.

4. BEFORE EXCAVATION, ALL UNDERGROUND UTILITIES SHALL BE LOCATED IN THE FIELD BY THE PROPER AUTHORITIES. THE CONTRACTOR SHALL NOTIFY "CALL BEFORE YOU DIG" AT 811. THE LOCATION OF ALL UTILITIES AND UNDERGROUND STRUCTURES ARE APPROXIMATE AND MAY NOT ALL BE SHOWN. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXISTENCE AND THE EXACT LOCATION OF ALL UTILITIES AND UNDERGROUND STRUCTURES.

5. ALL EXISTING TREES, VEGETATION, PAVEMENTS, CONCRETE FOUNDATIONS, STRUCTURES AND ORGANIC TOPSOIL SHALL BE STRIPPED AND REMOVED FROM NEW CONSTRUCTION AREAS UNLESS NOTED OTHERWISE.

6. ALL SLOPES SHALL BE 3:1 (HORIZONTAL: VERTICAL) MAXIMUM UNLESS NOTED OTHERWISE.

7. ALL AREAS NOT PAVED SHALL BE TOPSOILED, SEEDED AND MULCHED OR LANDSCAPED UNLESS OTHERWISE NOTED IN THE CONSTRUCTION DRAWINGS, SITE SPECIFICATIONS OR INSTRUCTED BY THE OWNER.

8. CONTRACTOR SHALL REFER TO OTHER PLANS WITHIN THIS CONSTRUCTION SET FOR OTHER PERTINENT INFORMATION.

9. THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS FOR THE EXACT NUMBER AND LOCATION OF ROOF DRAINS.

10. IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO REPAIR AND/OR REPLACE THE EXISTING STRUCTURE AS NECESSARY TO RETURN IT TO EXISTING CONDITIONS OR

II. THE CONTRACTOR SHALL ADHERE TO ALL TERMS & CONDITIONS AS OUTLINED IN THE GENERAL N.P.D.E.S. PERMIT FOR STORMWATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES.

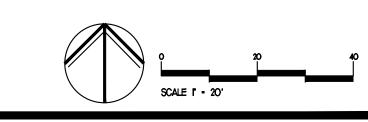
12. CONTRACTOR SHALL ADJUST AND/OR CUT EXISTING PAVEMENT AS NECESSARY TO ASSURE A SMOOTH FIT AND CONTINUOUS GRADE.

13, TOPOGRAPHIC INFORMATION TAKEN FROM A TOPOGRAPHIC SURVEY BY NEDERVELD, INC. IF CONTRACTOR DOES NOT ACCEPT EXISTING TOPOGRAPHY AS SHOWN ON THE PLANS, WITHOUT EXCEPTION, HE SHALL HAVE MADE, AT HIS EXPENSE, A TOPOGRAPHIC SURVEY BY A REGISTERED LAND SURVEYOR AND SUBMIT IT TO THE OWNER FOR REVIEW.

14. EXISTING DRAINAGE STRUCTURES TO BE INSPECTED AND REPAIRED AS NEEDED, AND EXISTING PIPES TO BE CLEANED OUT TO REMOVE ALL SILT AND DEBRIS.

15. ALL SLOPES 3:1 AND STEEPER TO RECEIVE EROSION CONTROL BLANKET. SEE SWPPP DETAILS.

GRADING PLAN



REVISIONS BY

BARRY TODD SIMMONS

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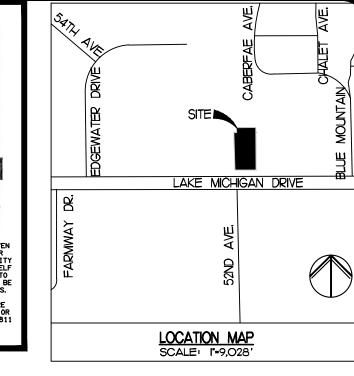
STORMDRAIN PIPE MATERIAL SPECIFICATION

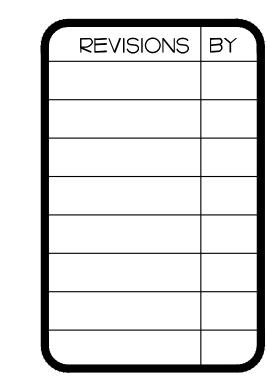
STORM PIPE SHALL BE AS FOLLOWS UNLESS OTHERWISE NOTED: TYPE I: REINFORCED CONCRETE PIPE (RCP) CLASS III, WALL B PER ASTM C-76, TYPE II: HIGH DENSITY POLYETHYLENE PIPE (HDPE) SMOOTH INTERIOR/ANNULAR EXTERIOR PER AASHTO M252 TYPE S, M294 TYPE S & MP7-97 TYPE S (UNLESS OTHERWISE NOTED, ALL PIPES 36" & LARGER TO BE RCP, ALL PIPES 30" AND SMALLER TO BE EITHER RCP OR HDPE)

NOTE: ALL STORMDRAIN JOINTS TO BE WATER-TIGHT

PRIOR TO STARTING WORK, CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL EXISTING CONDITIONS. ALL EXISTING ITEMS THAT ARE IN CONFLICT WITH PROPOSED IMPROVEMENTS ARE TO BE RELOCATED/REMOVED AS NEEDED & CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION AND FOR INCLUDING ALL COSTS IN BASE BID.



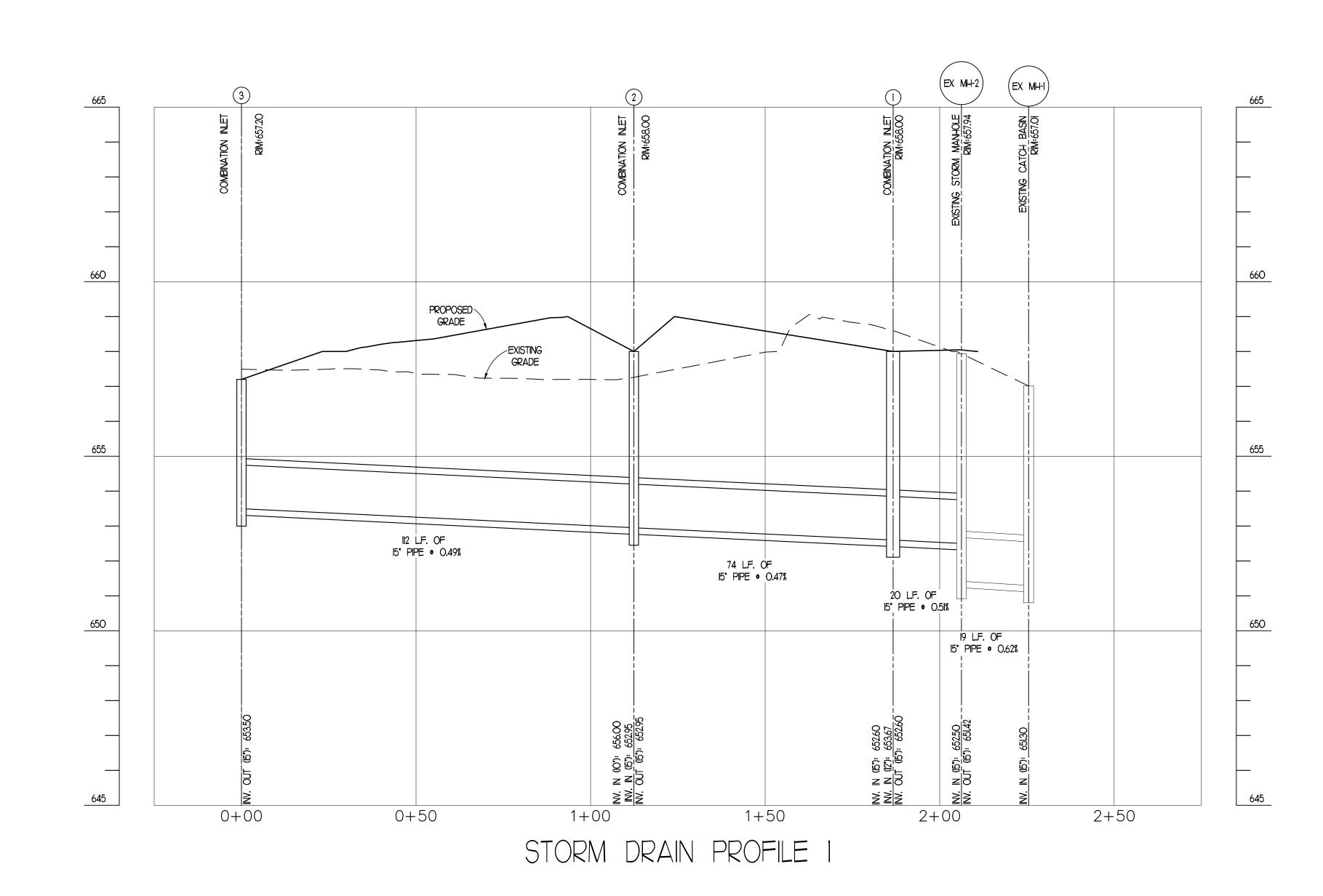




BARRY TODD



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STORMDRAIN PIPE MATERIAL SPECIFICATION

STORM PIPE SHALL BE AS FOLLOWS UNLESS OTHERWISE NOTED:

TYPE 1: REINFORCED CONCRETE PIPE (RCP) CLASS III, WALL B PER ASTM C-76,

TYPE II: HIGH DENSITY POLYETHYLENE PIPE (HDPE) SMOOTH INTERIOR/ANNULAR EXTERIOR PER

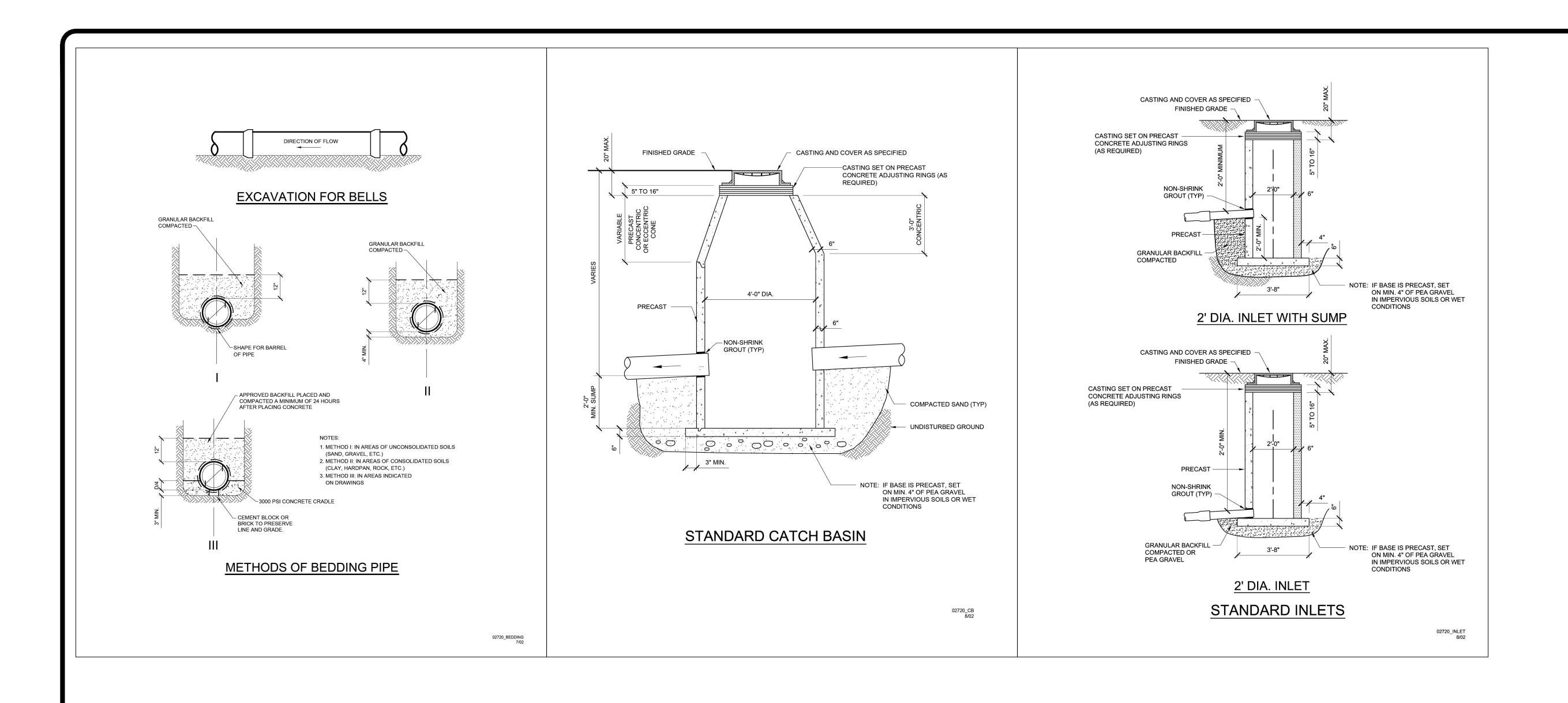
AASHTO M252 TYPE S, M294 TYPE S & MP7-97 TYPE S (UNLESS OTHERWISE NOTED, ALL PIPES 36"

\$ LADDED TO BE DOD ALL PIPES 30" AND SMALLED TO BE EITHER DOD OF LIDBE) ELARGER TO BE RCP, ALL PIPES 30" AND SMALLER TO BE EITHER RCP OR HDPE)

PRIOR TO STARTING WORK, CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL EXISTING CONDITIONS. ALL EXISTING ITEMS THAT ARE IN CONFLICT WITH PROPOSED IMPROVEMENTS ARE TO BE RELOCATED/REMOVED AS NEEDED & CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION AND FOR INCLUDING ALL COSTS IN BASE BID. STORMDRAIN PROFILE

SCALE ( = 20' HORIZONTAL SCALE

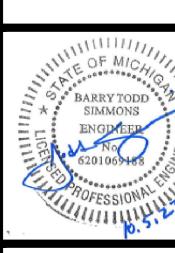
VERTICAL SCALE



REVISIONS BY

ELAND and KAUFFMAN, INC

Engineers \* Landscape Architects
209 West Stone Avenue
Greenville, South Carolina 29609
864-233-5497



ALLENDALE, MI - LAKE MICHIGAN E

GUGGENHEIM DEVELOPMENT SERVICES, LLC
3000 INTERNET BOLLEVARD, SUITE 570
FRISCO, TX 75034

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I. ALL SITE WORK SHALL BE DONE IN ACCORDANCE WITH THE PLANS PREPARED BY FREELAND & KAUFFMAN, INC., THE CURRENT REQUIREMENTS OF ALLENDALE CHARTER TOWNSHIP, OTTAWA COUNTY AND ALL OTHER PERTINENT FEDERAL AND STATE LAWS.

2. THE CONTRACTOR SHALL COMPLY AT ALL TIMES WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, PROVISIONS, AND POLICIES GOVERNING SAFETY AND HEALTH, INCLUDING THE FEDERAL CONSTRUCTION SAFETY ACT (PUBLIC LAW 91-54). FEDERAL REGISTER, CHAPTER XVII. PART 1926 OF TITLE 29 REGULATIONS. OCCUPATIONAL SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION, AND SUBSEQUENT PUBLICATIONS UPDATING THESE REGULATIONS.

3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EXAMINING THE AREAS AND CONDITIONS UNDER WHICH THE PROJECT IS TO BE CONSTRUCTED PRIOR TO THE SUBMISSION OF A BID. SUBMISSION OF A BID SHALL BE CONSTRUED TO MEAN THE CONTRACTOR HAS REVIEWED THE SITE AND IS FAMILIAR WITH CONDITIONS AND CONSTRAINTS OF THE SITE.

4. BEFORE EXCAVATION, ALL UNDERGROUND UTILITIES SHALL BE LOCATED IN THE FIELD BY THE PROPER AUTHORITIES, THE CONTRACTOR SHALL NOTIFY "CALL BEFORE YOU DIG" AT 811. THE LOCATION OF ALL UTILITIES AND UNDERGROUND STRUCTURES ARE APPROXIMATE AND MAY NOT ALL BE SHOWN. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXISTENCE AND EXACT LOCATION OF ALL UTILITIES AND UNDERGROUND STRUCTURES.

5. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO BID AND PERFORM ALL UTILITY WORK IN COMPLIANCE TO ALL APPLICABLE LOCAL AND STATE CODES AND REGULATIONS.

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FEES ASSOCIATED WITH THE INSTALLATION, INSPECTING, TESTING AND FINAL ACCEPTANCE OF ALL PROPOSED UTILITIES CONSTRUCTION.

7. CONTRACTOR SHALL COORDINATE WITH THE APPROPRIATE UTILITY COMPANY ON THE ADDITION, REMOVAL AND/OR RELOCATION OF UTILITIES AND UTILITY POLES AND THE EXTENSION OF ALL PROPOSED UTILITIES TO THE BUILDING.

8. ALL UTILITIES SHALL BE INSTALLED IN ACCORDANCE WITH THE SPECIFICATIONS OF THE RESPECTIVE UTILITY COMPANY, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE ALL UTILITIES ARE INSTALLED CORRECTLY TO MEET PROJECT REQUIREMENTS WHETHER PERFORMED BY THE CONTRACTOR OR

9. AN AS-BUILT DRAWING OF NEW UTILITY SERVICES SHALL BE PREPARED BY THE CONTRACTOR AND SUBMITTED TO THE OWNER UPON COMPLETION OF THE

IO. UTILITY COMPANIES AND CONTACTS ARE LISTED ON COVER SHEET.

II. CONTRACTOR SHALL REFER TO OTHER PLANS WITHIN THIS CONSTRUCTION SET FOR OTHER PERTINENT INFORMATION.

12. ALL FILL MATERIAL IS TO BE IN PLACE, AND COMPACTED BEFORE INSTALLATION OF PROPOSED UTILITIES.

13. CONTRACTOR SHALL NOTIFY THE UTILITY AUTHORITIES INSPECTORS 72 HOURS BEFORE CONNECTING TO ANY EXISTING LINE. UTILITY COMPANIES AND CONTACTS ARE LISTED ON THE COVER SHEET.

14. WATER LINES SHALL BE AS FOLLOWS: 1) SDR 26 CLASS 160 AND SDR 21 CLASS 200 (FOR PIPE LESS THAN 4 INCHES IN DIAMETER)

15. SANITARY SEWER PIPE SHALL BE AS FOLLOWS: POLYVINYL CHLORIDE (PVC): PIPE SHALL BE MANUFACTURED IN ACCORDANCE WITH ASTM D 3034 UNDER THE CLASSIFICATION FOR SDR 35 PIPE.

16. VALVES 12-INCHES AND SMALLER SHALL BE RESILIENT-SEATED WEDGE GATE VALVES.

17. ALL UTILITIES SHOULD BE KEPT TEN (10') APART (PARALLEL) OR WHEN CROSSING 18" VERTICAL CLEARANCE (OUTSIDE EDGE OF PIPE TO OUTSIDE EDGE

18. THE BURY DEPTH FOR ALL WATER LINES SHALL BE 36" MINIMUM AND SEWER LINES SHALL BE 36" MINIMUIM.

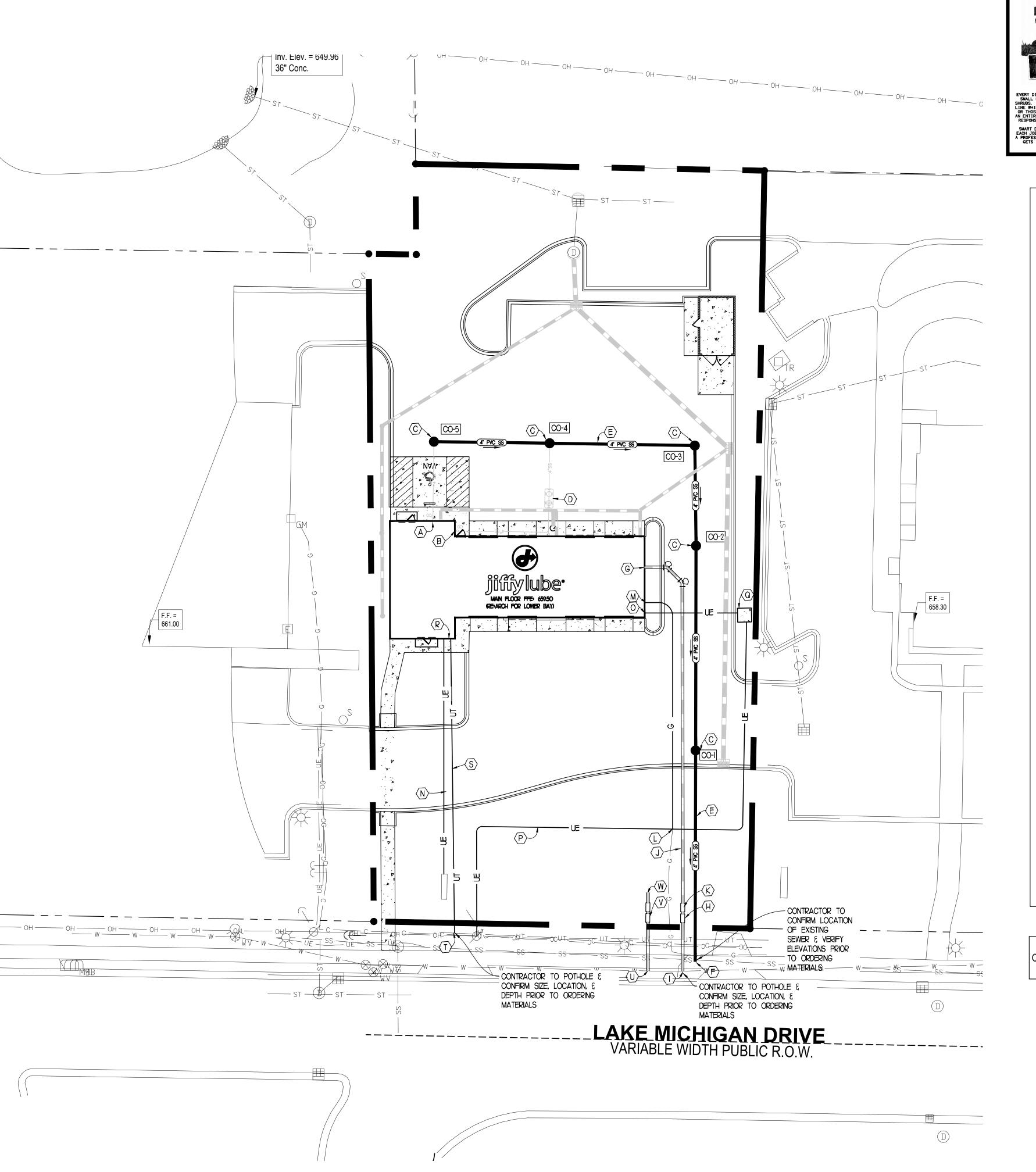
19. LINES UNDERGROUND SHALL BE INSTALLED, INSPECTED AND APPROVED BEFORE BACKFILLING.

20. TOPS OF EXISTING MANHOLES SHALL BE ADJUSTED AS NECESSARY TO BE FLUSH WITH PROPOSED PAVEMENT ELEVATIONS, AND TO BE ONE FOOT ABOVE FINISHED GROUND ELEVATIONS WITH WATER TIGHT LIDS.

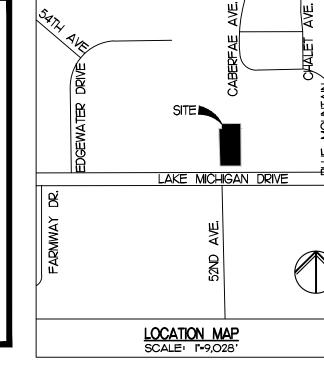
21. ALL CONCRETE FOR ENCASEMENTS SHALL HAVE A MINIMUM 28 DAY COMPRESSION STRENGTH AT 3000 P.S.I.

22. REFER TO INTERIOR PLUMBING DRAWINGS FOR TIE-IN OF ALL UTILITIES.

PRIOR TO STARTING WORK, CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL EXISTING CONDITIONS. ALL EXISTING ITEMS THAT ARE IN CONFLICT WITH PROPOSED IMPROVEMENTS ARE TO BE RELOCATED/REMOVED AS NEEDED & CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION AND FOR INCLUDING ALL COSTS IN BASE BID.



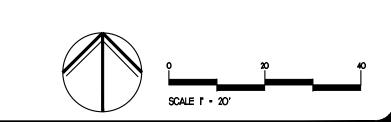


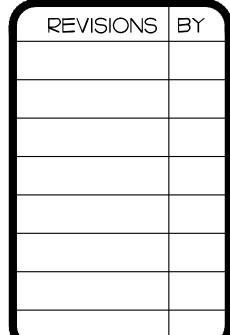


# LEGEND

- A 4" SANITARY SEWER EXIT (IE = 656.50'), RE: ARCH. FOR EXACT LOCATION
- (B) 4" OIL WASTE PIPING EXIT (IE = 656.50'), RE: ARCH. FOR EXACT LOCATION
- C SANITARY SEWER CLEAN-OUT
- D OIL INTERCEPTOR (RE: ARCH)
- (E) 4" SANITARY SEWER LINE MIN. 1.00% SLOPE PER ALLENDALE CHARTER TOWNSHIP STANDARDS (TYP.)
- F TIE 4" SEWER SERVICE LINE TO EXISTING SANITARY SEWER MANHOLE PER ALLENDALE CHARTER TOWNSHIP STANDARDS **E SPECIFICATIONS**
- (G) H/4" DOMESTIC WATERLINE ENTRY (RE: ARCH. FOR EXACT LOCATION)
- (H) I' DOMESTIC WATER METER PROVIDED & AND INSTALLED BY ALLENDALE CHARTER TOWNSHIP. CONTRACTOR TO PAY REQUIRED FEES.
- (I) I-I/4" WATER TAP BY ALLENDALE CHARTER TOWNSHIP.
- $\langle J \rangle$  H/4" WATER FROM METER TO BUILDING BY CONTRACTOR.
- K BACK FLOW PREVENTER (DOUBLE CHECK) IN HEATED ENCLOSURE PER CITY STANDARDS
- L CONTRACTOR TO COORDINATE GAS SERVICE TAP WITH DTE ENERGY & PAYMENT OF ALL APPLICABLE FEES. DTE ENERGY SETS THE METER & MAKES THE TAPS
- GAS SERVICE ENTRY (RE: ARCH. FOR EXACT LOCATION). M CONTRACTOR RESPONSIBLE FOR COORDINATION OF GAS METER INSTALLATION BY GAS COMPANY.
- $\langle N \rangle$  (1) 2" CONDUIT FOR SIGN
- O ELECTRIC ENTRY (RE: ARCH. FOR EXACT LOCATION)
- (P) UNDERGROUND ELECTRIC IN 2-1/2" CONDUIT FROM JIFFY LUBE BUILDING TO TRANSFORMER BY CONSUMERS ENERGY.
- $\langle { t Q} \rangle$  TRANSFORMER PAD BY CONTRACTOR AS PER CONSUMERS ENERGY STANDARDS & SPECIFICATIONS.
- (P) TELEPHONE ENTRY. (RE: ARCH. FOR EXACT LOCATION)
- (S) (2) 2" ID SCHEDULE 40 CONDUITS FOR TELEPHONE. CONTRACTOR PROVIDES & INSTALLS CONDUITS AT&T TELEPHONE COMPANY PROVIDES AND PULLS THE TELEPHONE CABLE(S).
- CONTRACTOR TO COORDINATE TELEPHONE SERVICE CONNECTION & PAYMENT OF ALL APPLICABLE FEES.
- I" WATER TAP BY CONTRACTOR FOR SITE IRRIGATION. (U) (ACTUAL SIZE TO BE DETERMINED PER DESIGN BUILD IRRIGATION PLAN)
- I" IRRIGATION METER PROVIDED AND INSTALLED BY  $\langle \overline{\mathsf{v}} \rangle$  ALLENDALE CHARTER TOWNSHIP. CONTRACTOR TO PAY REQUIRED FEES. (ACTUAL METER SIZE TO BE DETERMINED PER DESIGN BUILD IRRIGATION PLAN)
- WATER BY CONTRACTOR FOR SITE IRRIGATION. SIZE PER W DESIGN BUILD IRRIGATION PLAN.

CONTRACTOR TO PROVIDE DESIGN/BUILD IRRIGATION PLAN

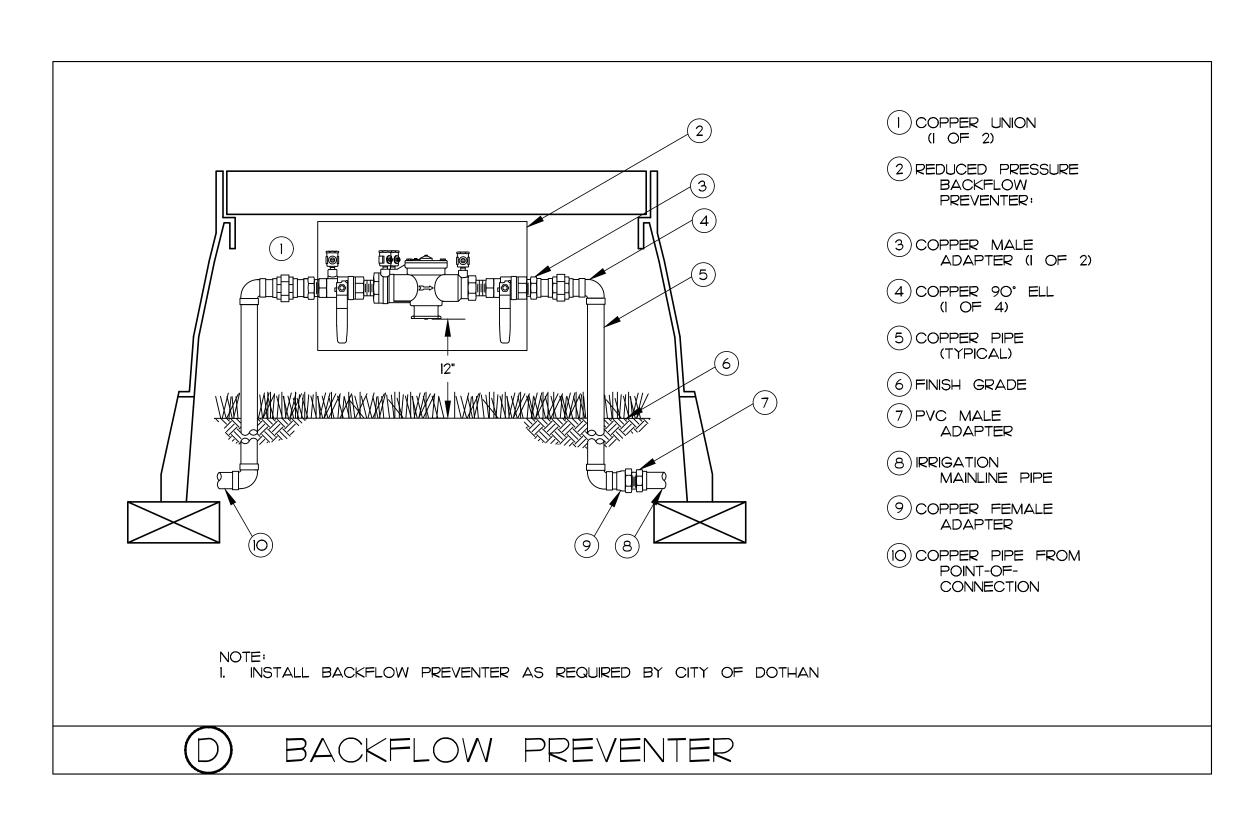


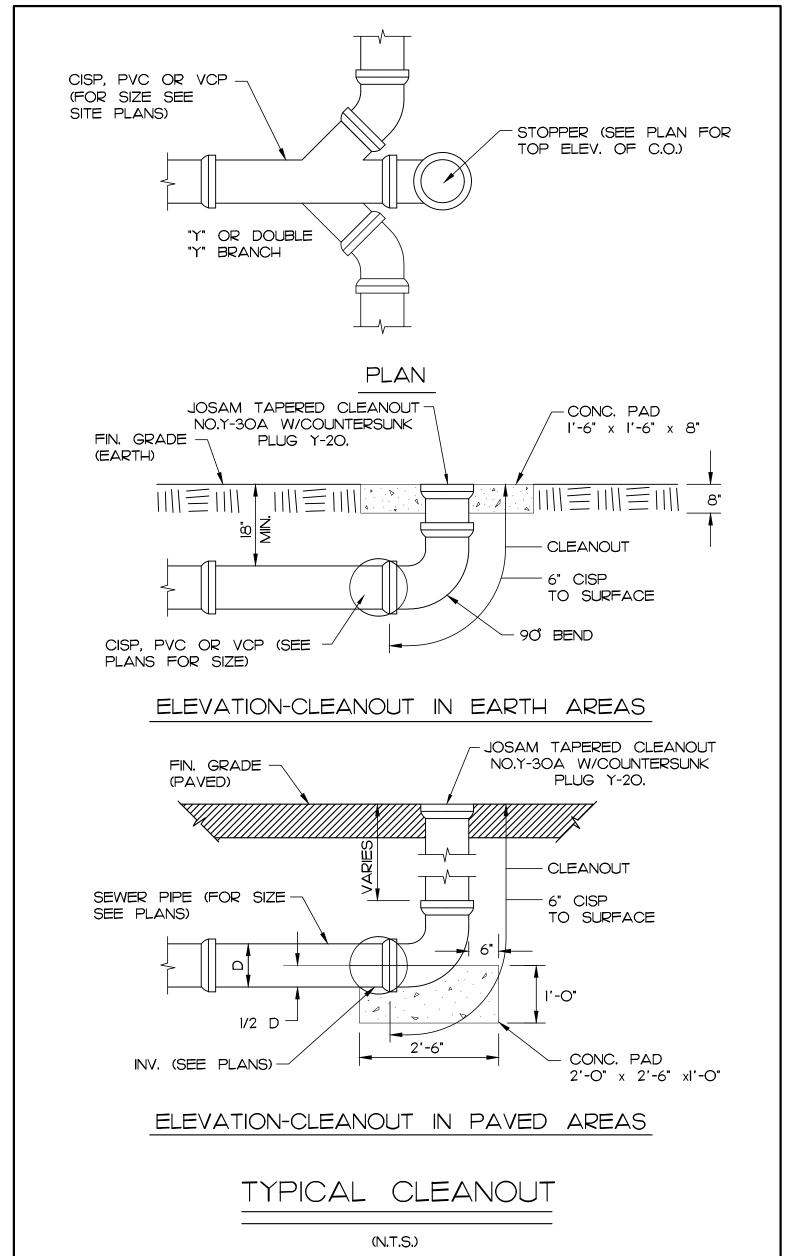


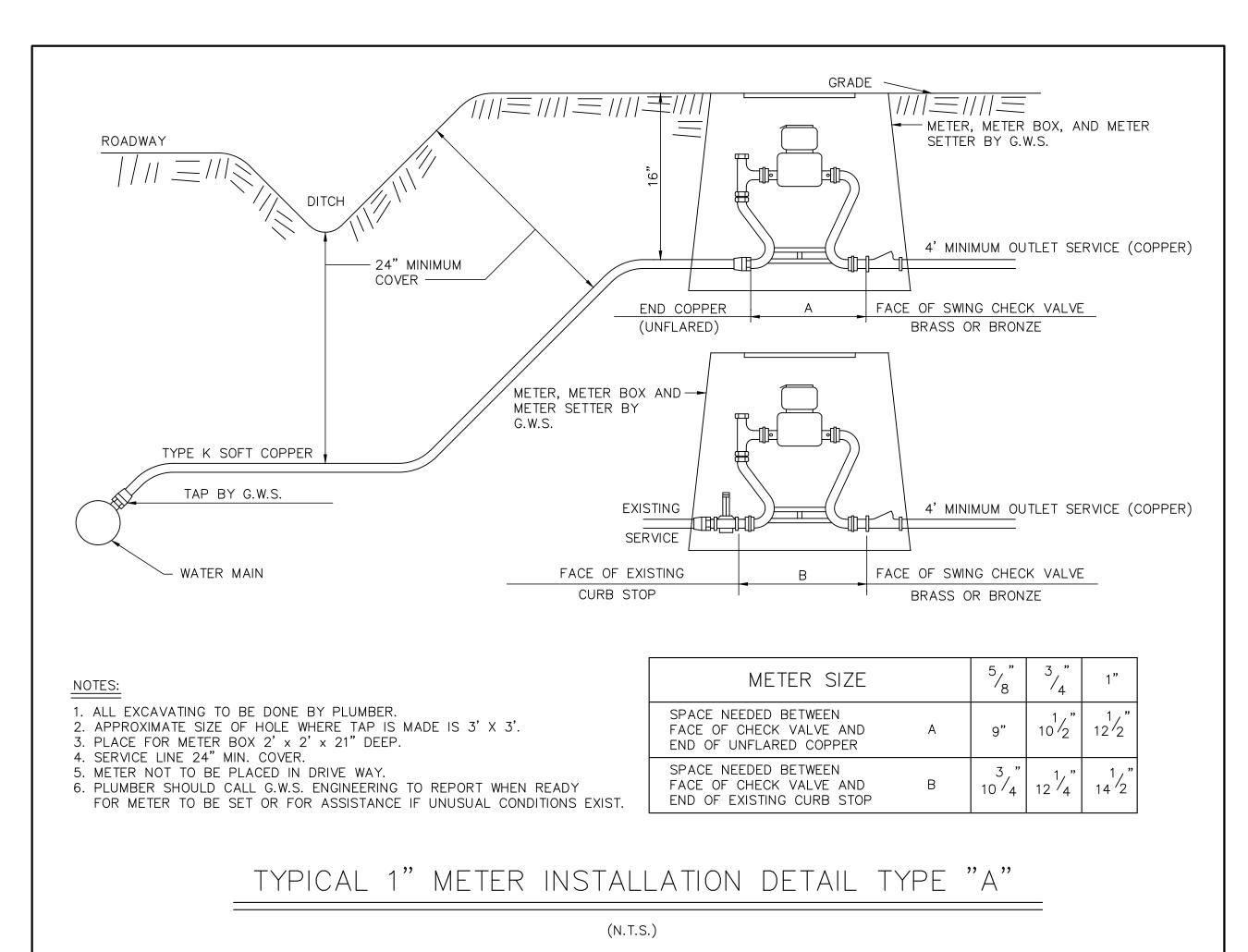
BARRY TODD SIMMONS

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REVISIONS BY

SENHEIM DEVELOPMENT SERVICES, LLC
SO INTERNET BOLLEVARD, SUITE 570
FRISCO, TX 75034

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DRAWING

PLASTIC SHEETING OR TEMPORARY ROOFS TO BE USED TO COVER BUILDING MATERIALS, BUILDING PRODUCTS, CONSTRUCTION WASTES, TRASH, LANDSCAPE MATERIALS, FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS, SANITARY WASTE, AND OTHER MATERIALS IN ORDER TO MINIMIZE EXPOSURE TO PRECIPITATION AND TO STORMWATER.

CATCH BASINS WILL BE USED TO TRANSPORT THE STORMWATER TO THE REGIONAL DETENTION FACILITY.

NO WETLANDS OR STATE WATERS ARE LOCATED ON AND/OR WITHIN 200 FEET OF THE PROJECT SITE.

CONTROLLING OF THE POLLUTANTS FROM CONSTRUCTION ACTIVITIES ON THE SITE WILL BE DONE BY INSTALLATION OF PROPRIETARY WATER QUALITY DEVICE(S) AND THE PROPOSED DRY DETENTION BMP.

NOTE: "AMENDMENTS/REVISIONS TO THE ESEPC PLAN WHICH HAVE SIGNIFICANT EFFECT ON BMP'S WITH HYDRAULIC COMPONENTS MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL."

NOTE: ANY FILL MATERIAL SUPPORTING STRUCTURAL LOADS SHALL BE ENGINEERED WITH PROPER DOCUMENTATION INCLUDING GEORGIA REGISTERED P.E. STAMP. SUBMIT DOCUMENTATION TO THE CHEROKEE COUNTY BUILDING DEPARTMENT PRIOR TO FOUNDATION INSPECTION.

NOTE: THE DESIGN PROFESSIONAL WHO PREPARED THE ESEPC PLAN IS TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMPS WITHIN 7 DAYS AFTER INSTALLATION.

NOTE: "EROSION CONTROL MEASURES WILL BE MAINTAIN AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROPSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE."

NOTE: "WASTE MATERIALS SHALL NOT BE DISCHARGED TO THE WATER OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT."

FLOOD INFORMATION: FLOOD ZONE "X" (MINIMAL FLOOD HAZARD) PER FEMA MAP NO. 26139CO231E EFFECTIVE DATE: DECEMBER 16, 2011

RECEIVING WATERS: INITIAL RECEIVING WATERS: REGIONAL DETENTION TANK

NOTE: WATER QUALITY WILL BE ADDRESSED BY INSTALLATION OF A PROPRIETARY WATER QUALITY DEVICE ON THE DRY DETENTION POND OUTFALL PIPE.

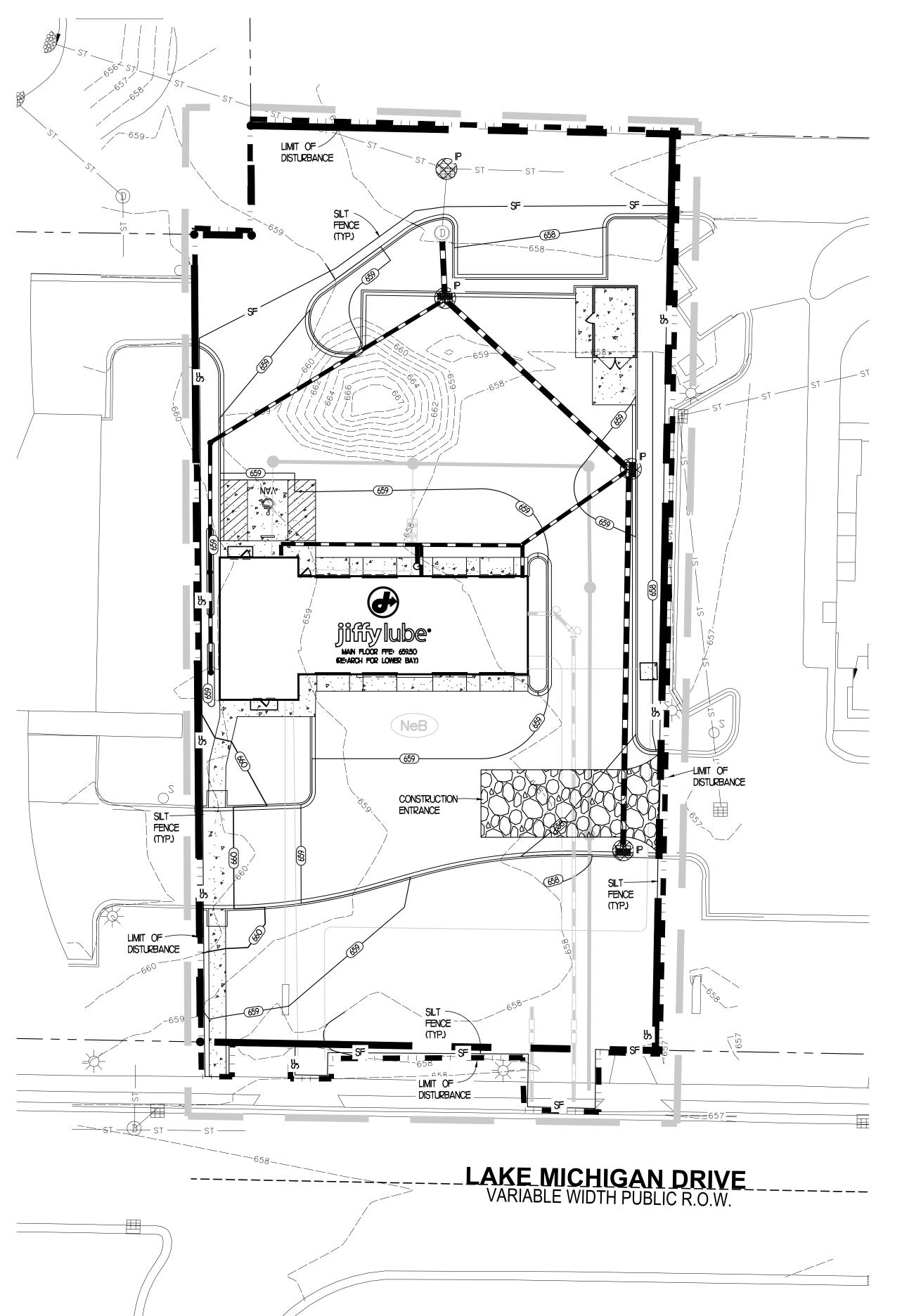
NOTE: ALL DRAINAGE STRUCTURES SHALL BE BUILT ACCORDING TO DOT STANDARDS.

NOTE: "THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES.."

ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 7 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING

CONST	RUCII	ON SCI	HEDULE	<u>-</u>	
ACTIVITY	MONTH 1	MONTH 2	монтн з	MONTH 4	MONTH 5
MAINTAIN EROSION CONTROL BMP'S	xxxxxx	xxxxx	xxxxx	xxxxxx	xxxxxx
CLEARING AND GRUBBING FOR PERMINENT CONTROLS	xxxxxx				
CONSTRUCTION OF PERMINENT CONTROLS	xxxxxx				
DEMOLITION OF ANY EXISTING BUILDING AND PAVEMENT	xxxxxx				
IMPLEMENT PHASE SEQUENCING AND VERIFCATION PROCESS	xxxxxx				
INSTALL TEMPORARY SEDIMENT BASIN AND REMAINING BMP'S	xxxxxx				
ROUGH GRADING	xxxxxx	xxxxxx			
INSTAL SEWER, WATER AND STORM DRAIN SYSTEMS		xxxxx	xxxxxx		
BEGIN BUILDING PAD AND BUILDING CONSTRUCTION			xxxxx	xxxxxx	
INSTALL CURBING, AND PREPARE PARKING LOT FOR PAVING			xxxxxx	xxxxxx	
BEGIN PAVING				XXXXXX	XXXXXX
SEEDING AND/OR LANDSCAPING				xxxxx	xxxxx
REMOVAL OF EROSION CONTROLS					xxxxxx

PRIOR TO STARTING WORK, CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL EXISTING CONDITIONS. ALL EXISTING ITEMS THAT ARE IN CONFLICT WITH PROPOSED IMPROVEMENTS ARE TO BE RELOCATED/REMOVED AS NEEDED & CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION AND FOR INCLUDING ALL COSTS IN BASE BID.







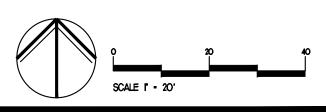
### CONSTRUCTION SEQUENCE

- NOTIFY ALLENDALE CHARTER TOWNSHIP AND HOLD REQUIRED PRE-CONSTRUCTION MEETING. ALL CONTRACTORS MUST ATTEND THE PRE-CONSTRUCTION MEETING.
- INSTALL TEMPORARY CONSTRUCTION ENTRANCE. CLEAR & GRUB TO INSTALL SILT FENCE
- INSTALL SILT FENCE AS SHOWN.
- CALL FOR REQUIRED 7-DAY INSPECTION. INSTALL TEMPORARY SEEDING & MULCH STABILIZATION TO ALL AREAS
- WHERE WORK WILL BE CEASED FOR A PERIOD OF MORE THAN 7 DAYS.
- CONTINUALLY INSPECT & MAINTAIN ALL BMP'S. BEGIN MASS GRADING AND CONSTRUCT BUILDING PAD.
- INSTALL STORM DRAIN (WITH INLET PROTECTION), SEWER, WATER, & GAS. 10. BEGIN GRADING REMAINDER OF PROJECT AREA, AND PREPARE PARKING
- AREA FOR CURBING & PAVING. INSTALL CURBING. APPLY PERMANENT SEEDING TO ALL AREAS AS SOON AS THEY ARE COMPLETE. DO NOT WAIT UNTIL JOB COMPLETION TO PERMANENTLY SEED
- DISTURBED AREAS. 12. BEGIN FINE GRADING OF ALL PARKING AREAS. STONE BASE SHALL BE INSTALLED IN ALL PAVED AREAS AS SOON AS PRACTICABLE.
- CONSTRUCTION EXIT SHALL BE REMOVED ONLY ONCE THE PARKING LOT HAS BEEN STABILIZED WITH STONE BASE.
- PAVE SITE AND COMPLETE SIDEWALKS, PLANTINGS, & ETC. REMOVE TEMPORARY BMP'S AS SOON AS THEIR CONTRIBUTING DRAINAGE AREAS HAVE BEEN STABILIZED. SEED AND MULCH AND DISTURBANCE FROM
- REMOVAL OF BMP'S. 15. CONTACT ALLENDALE CHARTER TOWNSHIP FOR FINAL INSPECTION.

### **GENERAL NOTES:**

- I. ADDITIONAL EROSION CONTROL DEVICES TO BE USED AS REQUIRED BY ALLENDALE CHARTER TOWNSHIP.
- 2. DISTURBED AREAS LEFT FOR TWO TO FOUR WEEKS, AND NOT TO FINAL GRADE, WILL BE ESTABLISHED TO TEMPORARY VEGETATION (Ds2), DISTURBED AREAS LEFT IDLE FOR FOUR WEEKS OR MORE WILL BE ESTABLISHED TO PERMANENT VEGETATION (Ds3 OR Ds4). ALL AREAS TO FINAL GRADE WILL BE ESTABLISHED TO PERMANENT VEGETATION WITHIN TWO WEEKS.
- 3. WHEN HAND PLANTING, MULCH (HAY OR STRAW) SHOULD BE UNIFORMLY SPREAD OR SEEDED AREAS WITHIN 24 HOURS OF SEEDING.
- DURING UNSUITABLE GROWING SEASONS, MULCH WILL BE USED AS A TEMPORARY
- COVER (Dsl). ON SLOPES THAT ARE 4:1 OR STEEPER, MULCH WILL BE ANCHORED. 5. ALLENDALE CHARTER TOWNSHIP LAND DISTURBANCE PERMIT MUST BE DISPLAYED ON SITE AT ALL TIMES DURING CONSTRUCTION AND IN PLAIN VIEW FROM A COUNTY ROAD
- EROSION AND SEDIMENT CONTROL DEVICES MUST BE INSTALLED AND INSPECTED PRIOR
- TO ANY GRADING ON SITE, CALL (616) 892-3117 FOR INSPECTION. SEDIMENT/EROSION CONTROL DEVICES MUST BE CHECKED BY THE DEVELOPER AFTER EACH STORM EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT
- ACCUMULATION HAS REACHED IN HALF THE CAPACITY OF THE DEVICE. 8. OWNER / DEVELOPER TO EXECUTE MAINTENANCE AGREEMENT FOR COMMERCIAL AND
- OR PRIVATE PONDS AT OR BEFORE C.O. 9. WATER QUALITY (WQ) FEATURES TO BE INSTALLED AT 80% BUILD-OUT OR END OF
- 10. DEVELOPER SHALL ATTEND A PRE-CONSTRUCTION CONFERENCE AT THE PROJECT SITE

WITH REPRESENTATIVES OF ALLENDALE CHARTER TOWNSHIP PUBLIC UTILITES.

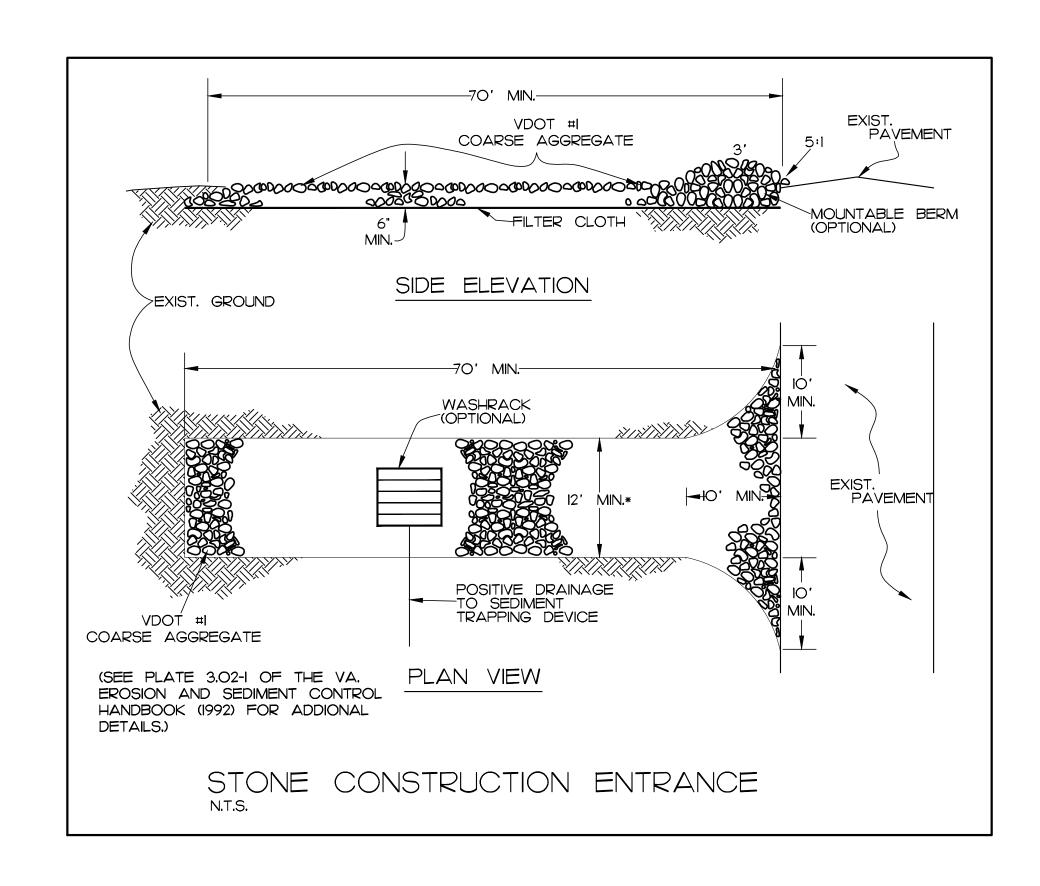


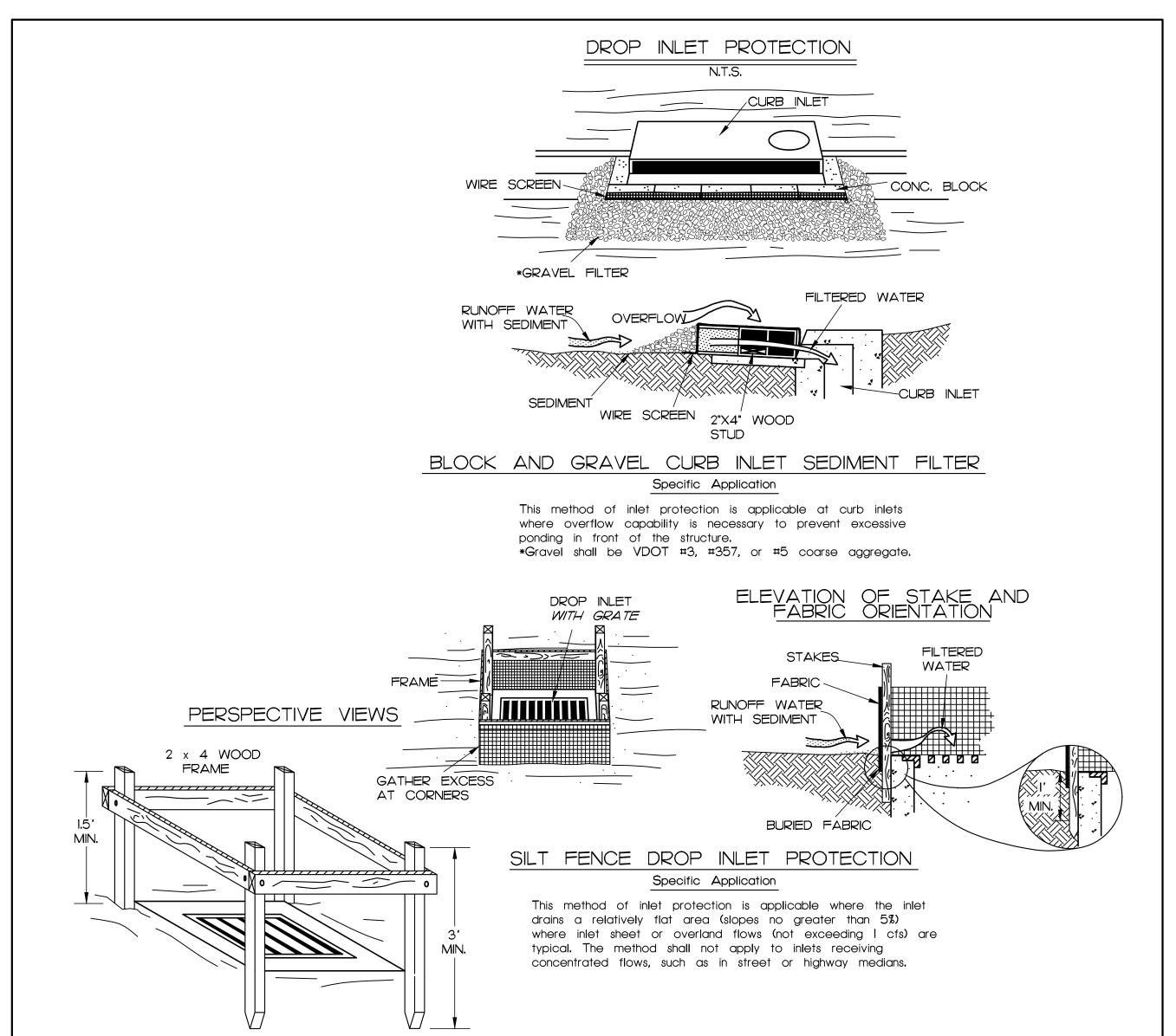
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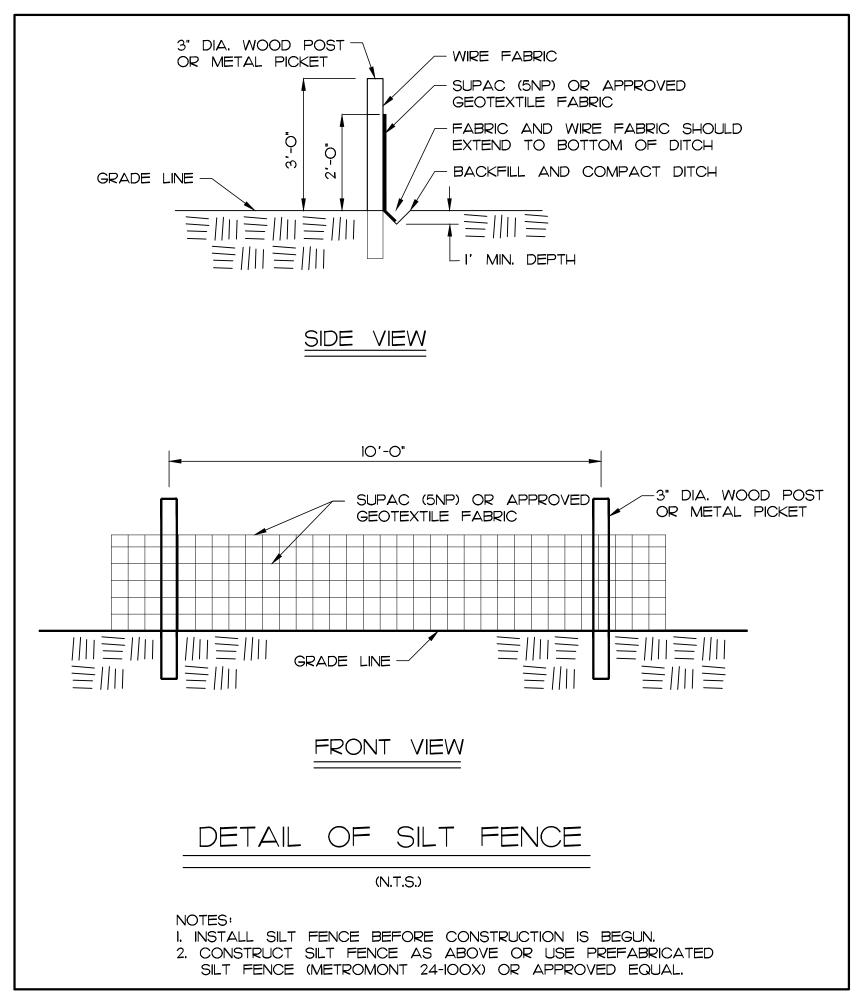
BARRY TODD SIMMONS OFESSIONAL

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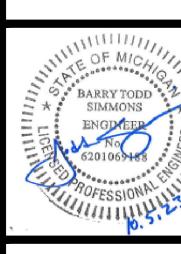






REVISIONS BY

AND and KAUFFMAN, IN ingineers \* Landscape Architects
209 West Stone Avenue
Greenville, South Carolina 29609
864-233-5497



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ALLENDALE, MI - LAKE MICHIGAN

GUGGENHEIM DEVELOPMENT SERVICES, LLC
3000 INTERNET BOLLEVARD, SUITE 570
FRISCO, TX 75034
214-872-4000

### LANDSCAPE REQUIREMENT

SECTION 12.A.O4.F FRONT YARD LANDSCAPING FOR EACH 150' INCREMENT OF FRONTAGE TWO DECIDUOUS OR EVERGREEN TREES, 2 ORNAMENTAL TREES, AND 3 SHRUBS FOR EACH TREE SHALL BE REQUIRED.

FRONTAGE 135' REQUIRED: 2 TREES (LARGE) 2 ORNAMENTAL TREES

12 SHRUBS PROVIDED: 2 TREES (LARGE) 2 ORNAMENTAL TREES 12 SHRUBS

### SECTION 21A.04.6.2.A FRPMT YARD SCREENING

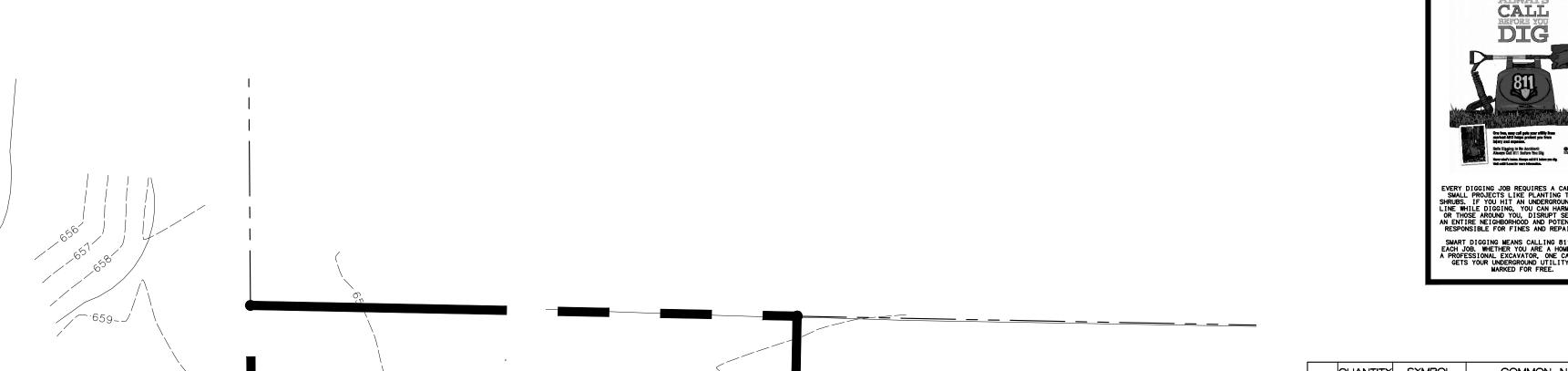
A CONTINUOUS HEDGE A MIN. OF 24" IN HT MATURING AT 36" MIN. HT. SHALL BE PLACED TO SCREEN THE DRIVE AND BUILDING.

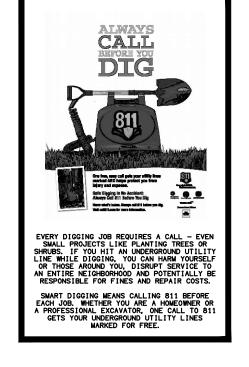
### PROVIDED A DENSE EVERGREEN HEDGE.

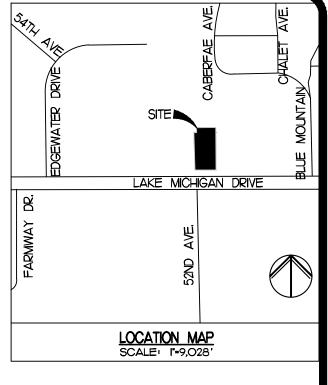
PUD SECTION 5.B.5- ALL FRONT YARD TRAVEL LANES SHALL BE SCREENED BY AN EVERGREEN HEDGE A MIN OF 3' TALL AT PLANTING. THIS SIZE REQUIREMENT SUPERCEDES SECTION 21A.O4.6.2.A.

ALL DISTURBED AREAS TO BE SODDED WITH FESCUE.

CONTRACTOR TO PROVIDE DESIGN/BUILD IRRIGATION PLAN





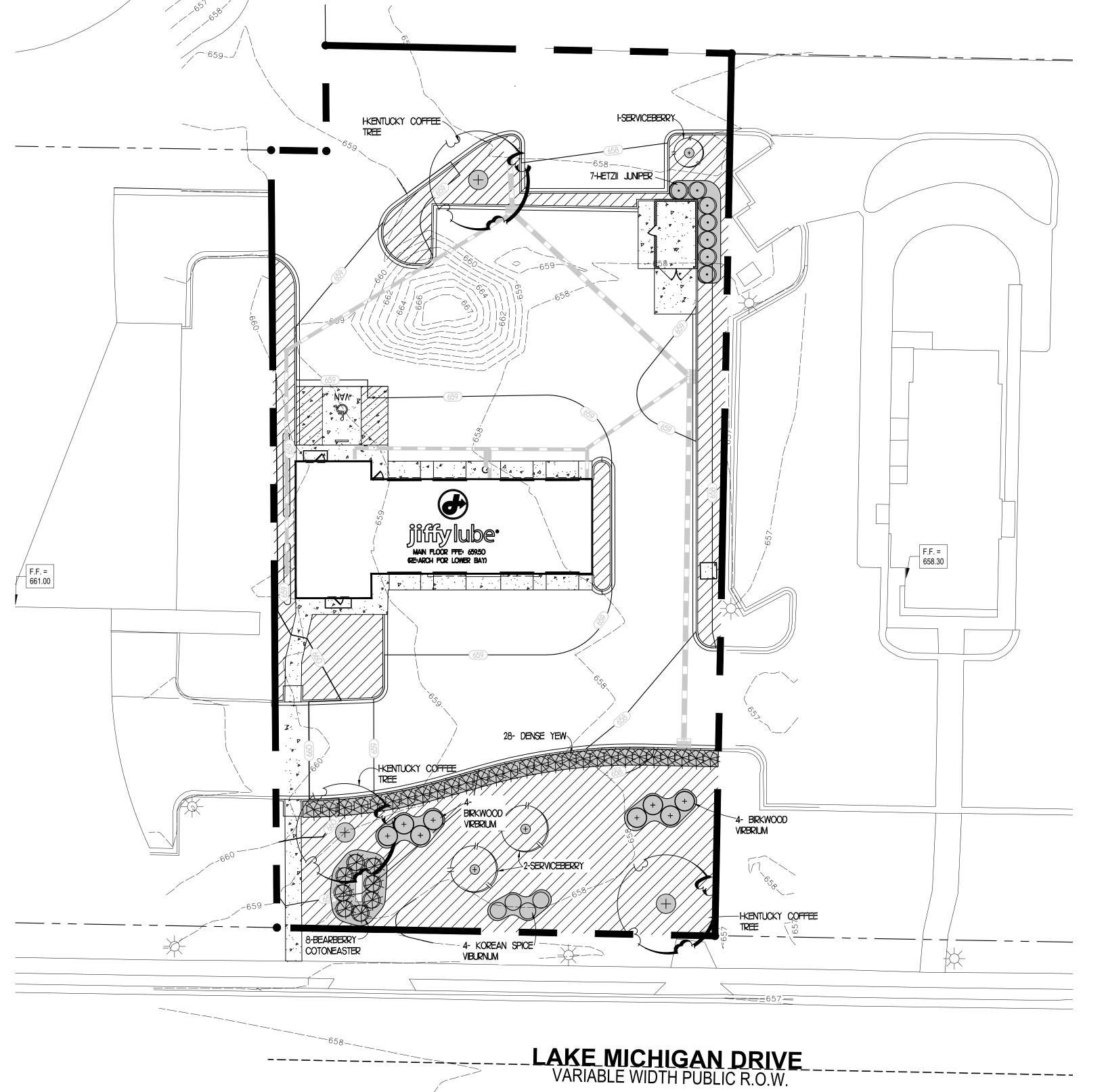


PLANT LIST

	QUANTITY	SYMBOL	COMMON NAME	SCIENTIFIC NAME	SIZE REQUIREMENTS
TREES	3		KENTUCKY COFFEETREE	GYMNOCLADUS DIOCA	3" CALIPER, 12' MIN. HT
<u> </u>	3	+	SERVICEBERRY	AMELANCHIER ARBOREA 'AUTUMN BRILLIANCE'	8' MIN. HT MULTI-STEM
	8	•	BIRKWOOD VIBURNUM	VIBURNUM X BURKWOODII	36" MIN. HT.
SIRUBS	28	*	DENSE YEW	TAXUS X MEDIA 'DENSIFORMIS'	36" MIN. HT.
	7	0	HETZII JUNIPER	JUNIPERUS CHINENSIS 'HETZII COLUMNARIS'	4' MIN. HT.
	8	<b>Ø</b>	BEARBERRY COTONEASTER	COTONEASTER DAMMERI	12" HT.
	4	0	KOREANSPICE VIBURNUM	VIBURNUM CARLESII	48" MIN. HT.

REVISIONS BY

DS CHECKED BTS DATE 10/05/2023 SCALE AS NOTED DRAWING

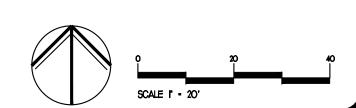




MULCH

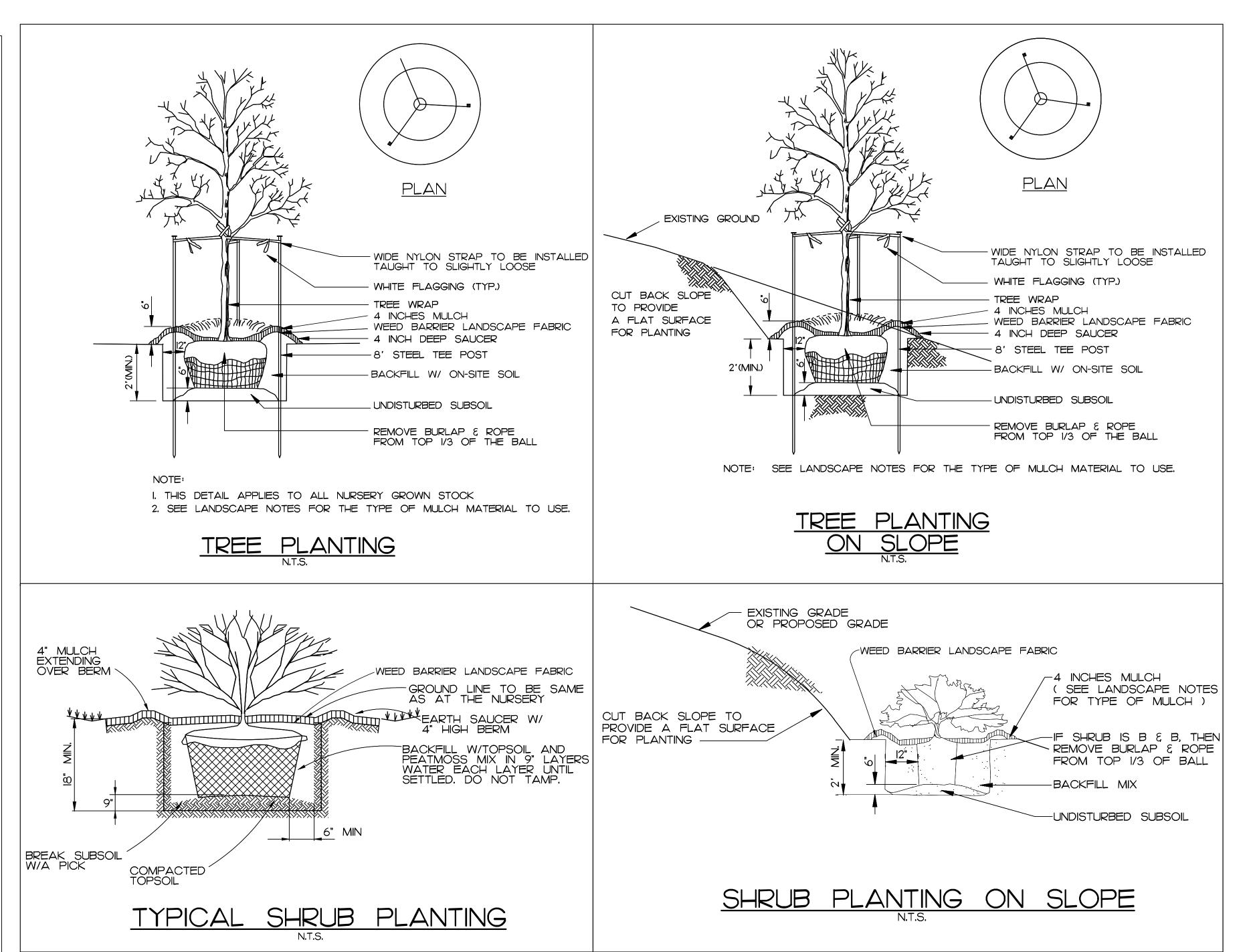
PRIOR TO STARTING WORK, CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL EXISTING CONDITIONS. ALL EXISTING ITEMS THAT ARE IN CONFLICT WITH PROPOSED IMPROVEMENTS ARE TO BE RELOCATED/REMOVED AS NEEDED & CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION AND FOR INCLUDING ALL COSTS IN BASE BID.

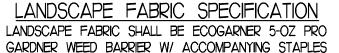
LANDSCAPE PLAN



### LANDSCAPE NOTES

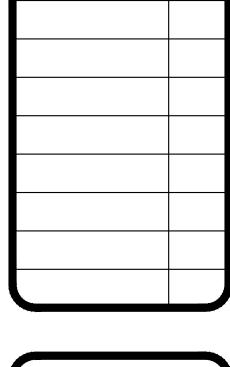
- ALL PLANT MATERIAL SHALL BE NURSERY GROWN AND SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS AS SET FORTH BY THE AMERICAN ASSOCIATION OF NURSERYMEN INC.
- 2. ALL PLANTS MUST BE HEALTHY, WELL BRANCHED, STRAIGHT TRUNKED, FULL HEADED, FREE OF DISEASE AND INSECT INFESTATION, AND MEET ALL SPECIFIED REQUIREMENTS.
- 3. ALL PLANTS MUST BE CONTAINER GROWN OR BALLED AND BURLAPPED AS INDICATED IN THE PLANT LIST.
- 4. ALL PLANTS ARE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT BEFORE, DURING, AND AFTER INSTALLATION.
- 5. ALL TREES MUST BE GUYED AND STAKED AS SHOWN IN THE DETAILS.
- 6. ALL PLANTING AREAS MUST BE COMPLETELY MULCHED AS SPECIFIED.
- 7. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND SHALL AVOID DAMAGE TO ALL UTILITIES DURING THE COURSE OF THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY AND ALL DAMAGE TO UTILITIES, STRUCTURES, SITE APPURTENANCES, ETC. WHICH OCCURS AS A RESULT OF THE LANDSCAPE CONSTRUCTION.
- 8. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES SHOWN ON THESE PLANS BEFORE PRICING THE WORK.
- 9. THE CONTRACTOR IS RESPONSIBLE FOR FULLY MAINTAINING (INCLUDING BUT NOT LIMITED TO: WATERING, SPRAYING, MULCHING, FERTILIZING, ETC.) ALL PLANTING AND LAWN AREAS UNTIL THE WORK IS ACCEPTED IN TOTAL BY THE OWNER.
- IO. THE CONTRACTOR SHALL COMPLETELY GUARANTEE ALL PLANT MATERIAL FOR A PERIOD OF ONE (I) YEAR BEGINNING ON THE DATE OF TOTAL ACCEPTANCE. THE CONTRACTOR SHALL PROMPTLY MAKE ALL REPLACEMENTS BEFORE OR AT THE END OF THE GUARANTEE PERIOD.
- II. ANY PLANT MATERIAL WHICH DIES, TURNS BROWN, OR DEFOLIATES (PRIOR TO TOTAL ACCEPTANCE OF THE WORK) SHALL BE PROMPTLY REMOVED FROM THE SITE AND REPLACED WITH MATERIAL OF THE SAME SPECIES, QUANTITY, AND SIZE AND MEETING ALL PLANT LIST SPECIFICATIONS.
- 12. ALL PLANT BEDS, TREES, SHRUB MASSES, ETC. SHALL RECEIVE 3" OF SHREDDED HARDWOOD BARK MULCH, THIS INCLUDES A **6 FOOT** DIAMETER MULCH RING AROUND ALL PROPOSED TREES,
- 13. LOCATIONS OF EXISTING BURIED UTILITY LINES SHOWN ON THE PLANS ARE BASED UPON BEST AVAILABLE INFORMATION AND ARE TO BE CONSIDERED APPROXIMATE, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATION OF UTILITY LINES IN AND ADJACENT TO THE WORK AREA. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITY LINES DURING THE CONSTRUCTION PERIOD.
- 4. SAFE, CLEARLY MARKED PEDESTRIAN AND VEHICULAR ACCESS TO ALL ADJACENT PROPERTIES MUST BE MAINTAINED THROUGHOUT THE CONSTRUCTION
- 5. THE CONTRACTOR SHALL PERFORM A SOIL TEST ON THE EXISTING AND PROPOSED TOP SOIL AND APPLY LIME AND FERTILIZER AS RECOMMENDED.
- 6. ALL DISTURBED AREAS NOT TO RECEIVE PLANTINGS SHALL BE TOP SOILED, LIMED, AND FERTILIZED ACCORDING TO THE SOIL TEST REPORT, THESE GRASS AREAS SHALL BE SEEDED AND SODDED WITH HYBRID BERMUDA SOD AS SHOWN ON THE LANDSCAPE PLAN, THE CONTRACTOR SHALL WATER AND MAINTAIN ALL GRASS AREAS UNTIL A HEALTHY STAND IS ESTABLISHED.
- Z. ALL PLANTING AREAS, INCLUDING PARKING LOT ISLANDS, SHALL CONTAIN SOILS SUITABLE FOR PLANTING. SOILS SHALL BE CLEAN AND FREE OF ALL CONSTRUCTION MATERIALS. THE TOP TWO FEET OF SOIL SHALL BE LOOSE. IF PREVIOUSLY COMPACTED, IT SHALL BE LOOSENED BY TILLING OR OTHER MEASURE TO A DEPTH OF TWO FEET. THE TOP SIX INCHES OF SOIL SHALL BE CLEAN TOPSOIL, OR OTHER CLEAN SOILS AMENDED WITH ORGANIC MATERIAL. THIS REQUIREMENT SHALL BE MET PRIOR TO THE INSTALLATION OF LANDSCAPING.
- 18. THE CONTRACTOR SHALL SPOIL ANY EXCESS TOPSOIL LOCATED ON THE SITE THAT IS NOT REQUIRED TO PERFORM THE LANDSCAPE OPERATION. ALSO, IF INSUFFICIENT TOPSOIL IS PRESENT ON THE SITE THE CONTRACTOR IS REQUIRED TO HAVE TOPSOIL BROUGHT INTO THE SITE FOR THE LANDSCAPE OPERATION.
- THE CONTRACTOR SHALL INCLUDE IN HIS BID PACKAGE REMOVAL AND EXCAVATION OF ROCK AS REQUIRED DURING TREE PLANTING TO INSURE SURVIVAL OF THE TREES AND TO PROVIDE A PLANTING PIT AS DIMENSIONED ON THE PLANTING DETAILS.
- 20. CONTRACTOR SHALL PROVIDE EROSION CONTROL BLANKETS ON ALL SLOPES STEEPER THAN 3:1. CONTRACTOR HAS THE OPTION TO UTILIZE SOD IN LIEU OF AN EROSION CONTROL BLANKET (TYPICAL).





- AND SHALL BE INSTALLED AS FOLLOWS:

  I. PREPARE THE AREA TO RECEIVE LANDSCAPE
  FABRIC BY CUTTING ANY EXISTING WEED AS
  SHORT AS POSSIBLE, BY REMOVING, OR BY
  SPRAYING WITH ROUND-UP. REMOVE ANY ROCKS,
  STICKS, CLODS OF SOIL, OR NAILS THAT MAY
  SNAG THE MAT DURING INSTALLATION.
- LEVEL THE AREA WHERE THE FABRIC IS TO BE INSTALLED BY USING A HAND RAKE, TO ROUGHLY LEVEL THE SURFACE AND FILL ANY HOLES.
- 3. PLACE THE FABRIC ON THE SOIL AND INSTALL ECOGARDNER II GAUGE, STEEL STAPLES 9"
  MINIMUM IN LENGTH. STAPLES SHALL BE PLACED 18" O.C. IN ALL DIRECTIONS, AND SHALL BE HAMMERED OR PUSHED INTO PLACE. WHERE ROWS OF FABRIC OVERLAP, A STAPLE TO HOLD THE EDGES SHALL BE PLACED 12" O.C. ALONG ALL THE JOINTS.



REVISIONS BY

EELAND and KAUFFMAN,

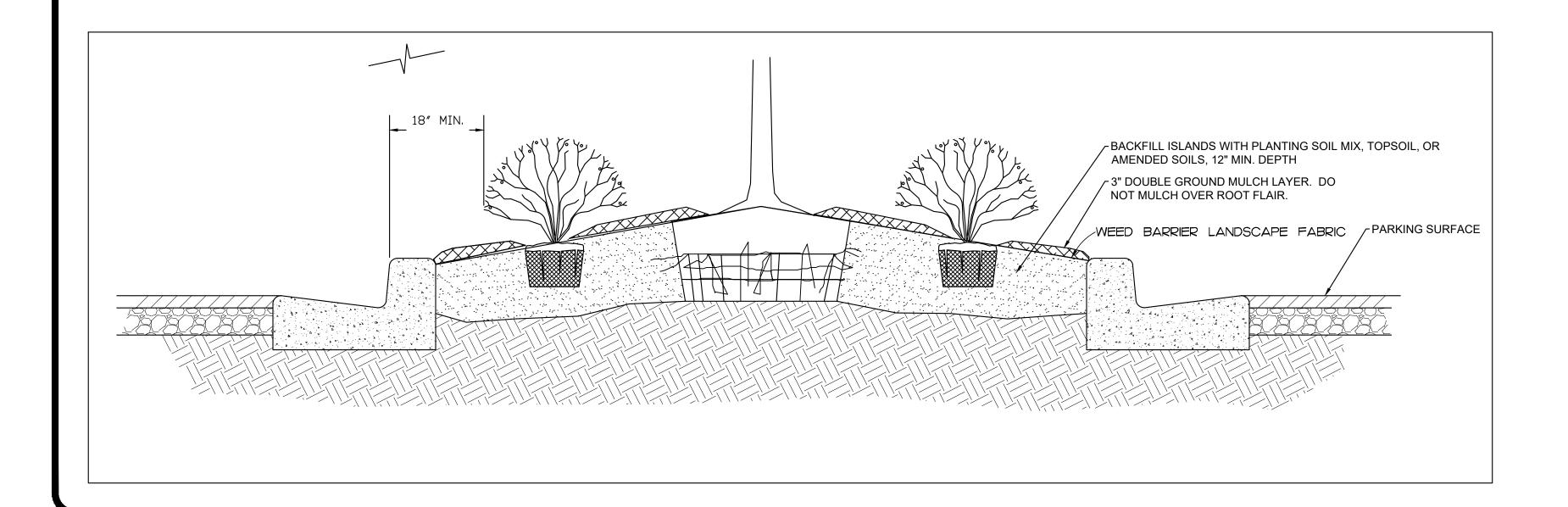
Engineers \* Landscape Architects
209 West Stone Avenue
Greenville, South Carolina 29609
864-233-5497



8

LENDALE, MI - LAKE MICHIGAN 3000 INTERNET BOULEVARD, SUITE 570

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DRAWING



LANDSCAPE DETAILS



**ENTRY PERSPECTIVE** 



2710 Sutton Boulevard St. Louis, Missouri 63143 www.adg-stl.com P:: 314.644.1234 F:: 314.644.4373



GUGGENHEIM

# Floor Plan



**ENTRY PERSPECTIVE** 



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GUGGENHEIM

# Floor Plan



**EXIT PERSPECTIVE** 



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GUGGENHEIM

# Floor Plan



# **FRONT ELEVATION**



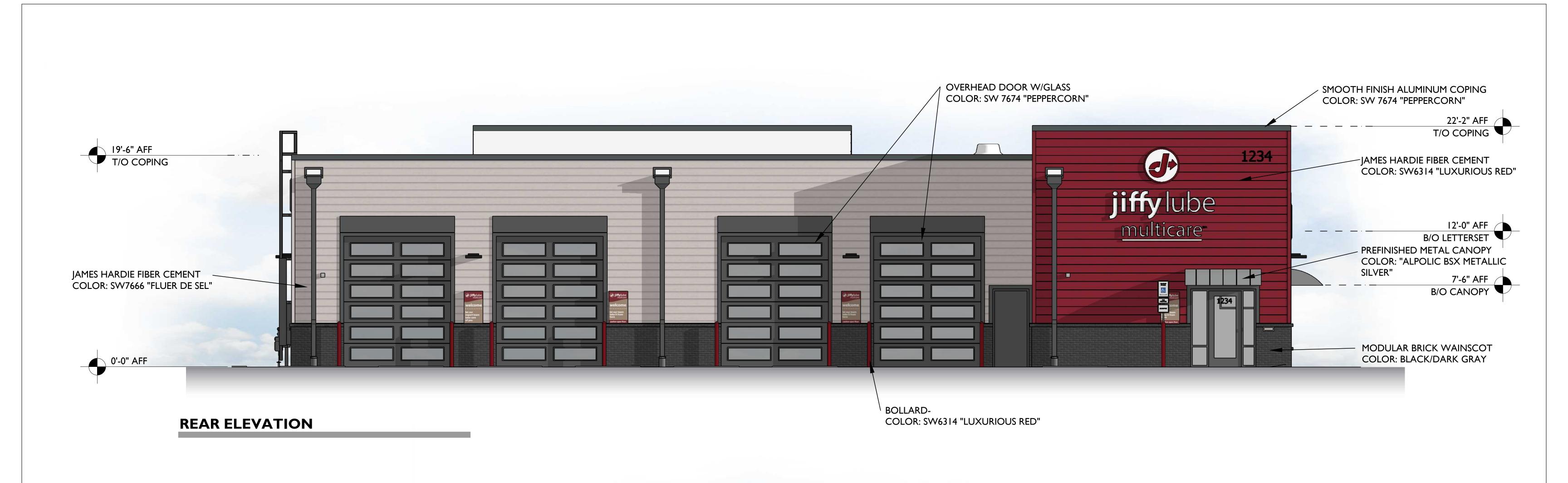


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# Floor Plan





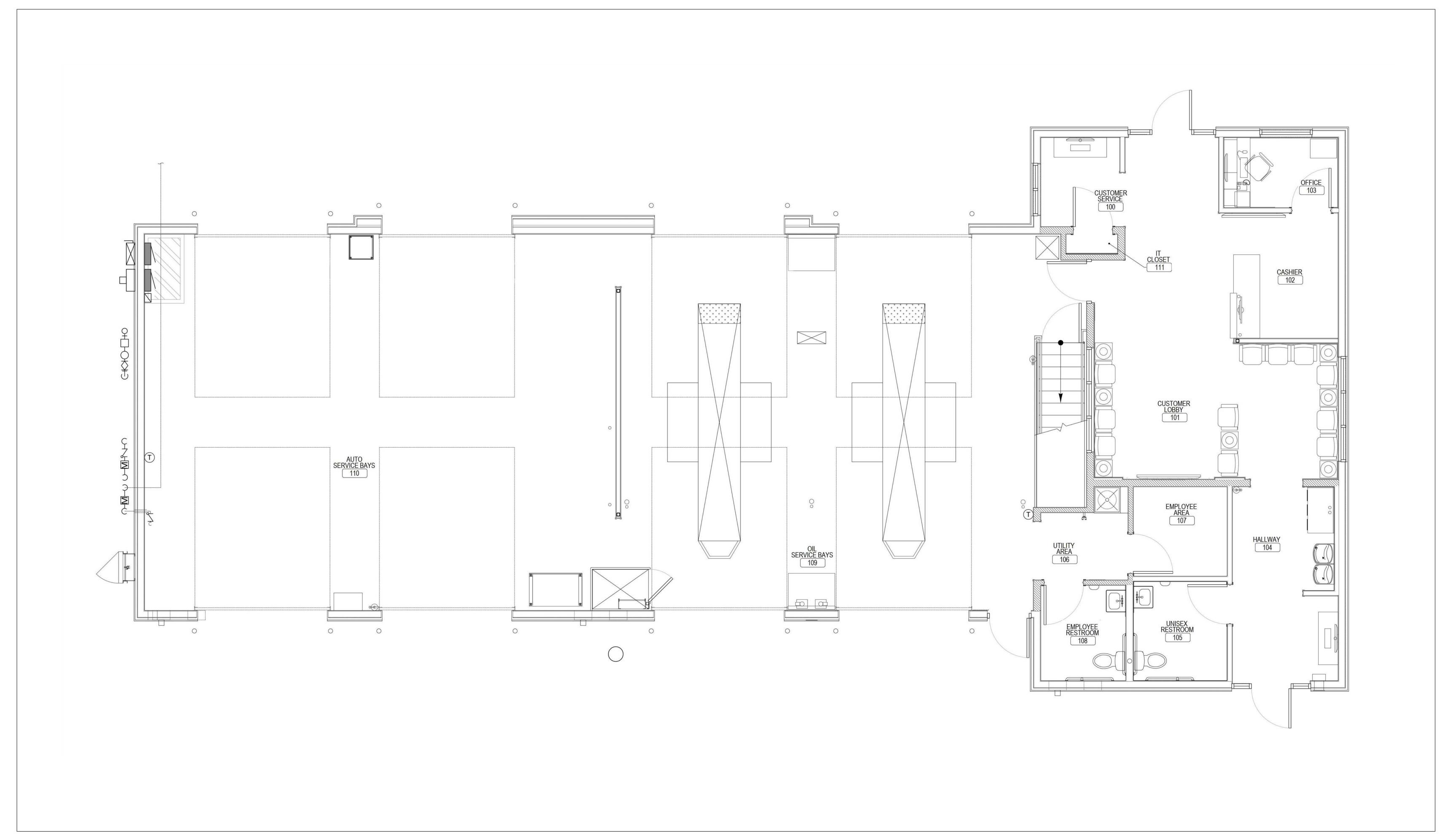


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# Floor Plan











# Floor Plan

# FREELAND and KAUFFMAN, INC.

ENGINEERS! LANDSCAPE ARCHITECTS

October 05, 2023

Allendale Charter Township 6676 Lake Michigan Drive, P.O. Box 539 Allendale, MI 49401

To whom it may concern,

Subject: Site Plan Submittal for proposed Jiffy Lube for PUD Amendment Process

On behalf of our client Guggenheim Development Services, LLC please find enclosed the following documents for you review and comment:

- 1 copy of applications
- 5 copy of Site Plans
- 5 copies of building elevations

Please process the enclosed documents for review. Should you have any questions, or should you require additional information, please contact me directly at 864.672.3426 or mailto:tsimmons@fk-inc.com Thank you.

Sincerely,

**Todd Simmons** 



"Where community is more than just a concept!"

# Planning Commission Application

Submission Date: <u>1</u> 0	0-5-2023					
Application for Site I	Plan Review in conjunction	with which of the following:				
☐ Site Plan Rev ☑ New PUD De	•	<ul><li>Zoning Amendment (including PUD)</li><li>Special Use Application</li><li>Other:</li></ul>				
Property Owner:	5213 Lake Michigan	Dr. LLC				
Mailing Address:	2030 Lake Michiga	n Dr. NW, STE F, Grand Rapids, MI 49504				
Phone Number:		Cell Phone:				
Email Address:		Fax:				
Owner's Signature:	040	2				
Applicant Name: (if not owner)	Guggenheim Devel	opment Services, LLC				
Mailing Address:	3000 Internet Blvd,	Suite 570, Frisco, TX 75034				
Phone Number:	214-534-8191	Cell Phone:				
Email Address:	Jason.Bolling@Guggenl	neimPartners.com <sub>Fax:</sub>				
Applicant's Signature:	Jason Bolling	·				
•	ble party for future invoice Attorney or other profess	es? Check one:  Property Owner X Applicant  I Applicant on the project (attach additional sheets)				
Contact:	Contact: Freeland and Kauffman, Inc.					
Mailing Address:	209 W. Stone Ave.,	Greenville, SC 29609				
Phone Number:	864-672-3426	Cell Phone:				
Email Address:	tsimmons@fk-inc.c	om Fax:				
Address of Prope	rty: 5195 Lake Mich	gan Dr., Allendale, MI 49401				

Permanen	t Parcel Number	: 7	0-09-24	-40	0-085				
Legal Description of Property (or attach to the application):									
	to application								
									<u> </u>
Lot Area:	0.85 ac		Lot De	oth:		_	Lot W	idth:	
Current Zo	ning of Parcel:	PU	D	Cur	rent Use of Parcel:	Va	acant		
Proposed !	Use of Parcel:	Р	roposed	l bui	lding of Jiffy Lube	e is	autom	obile	e repair and
		m	aintena	nce	shop.				
Name of P	roposed				· · · · · · · · · · · · · · · · · · ·				
	ent (if applicable	e):							
Name of P	Name of Proposed Buildings to be constructed:  Jiffy Lube								
0.050.05					uare feet of usable flo	oor	area:	296	SF
Number of Permanent Employees (if applicable):			3	54					
your smal	<ul> <li>Please include 5 sets of the proposed Site Plan and 1 electronic copy for staff review along with your application and escrow fee. (When ready for submission to the Planning Commission, smaller than typical plans are allowed when they can be easily interpreted and are to scale.)</li> <li>Please see Resolution 2011-2 for our full escrow fee policy. If you would like a copy of this</li> </ul>								

- Please see Resolution 2011-2 for our full escrow fee policy. If you would like a copy of this
  policy it is available online or by request at the Township office.
- If your escrow is not kept up to date, according to our policy, the Township reserves the right to withhold approval of your project, issue a stop work order, or withhold final occupancy until the escrow balance is made current.

For Office Use Only		
Date Received:		,
Amount Paid:	Check No:	
Notes:		

# ALLENDALE CHARTER TOWNSHIP

# If your project is a Rezoning or Zoning Text Amendment please fill out the following:

1.	Act	ion Requested:							
	A.	Rezone fromtothe property located at (address if any)							
		, parcel ID							
		legally described as:							
	B.	Text Amendment:  Amend Chapter 470 Article 14 Section(s) 14.02 to read:							
		Proposed use "automobile repair and maintenance shop" in permitted use unde							
		General commercial ordinance.							
2.	Ge	General Information:							
	A. List all deed restrictions to property described in 2A, above, (attach addition needed):								
	В.	Present use of the property is: Vacant							
		0.05 0000							
		Provide a scaled map of the property, fully-dimensioned and correlated with the legal							
		description, showing the following:							
		1. The land which would be affected by the proposed amendment;							
		2. If the land proposed for rezoning does not include the entire parcel or lot, the land and legal description of the portion of the parcel of the lot which is proposed for rezoning and the portion of the parcel of the lot which is not proposed for rezoning;							
		3. The present zoning of the land proposed for rezoning;							
		4. The present zoning of all abutting lands; and							

# Allendale Charter Township

		ublic and private right-of-ways and easements bounding and intersecting the proposed for rezoning.
E.		for this amendment request at this time: d use of the building "automobile and repair shop" is part of "Special use Permit" under
	-	Commercial Ordinance and not a allowed use as per current Article 12: PUD of Zoning
	Ordina	ce. Proposed use requires ammendment.
F.	If the a	nendment is a proposed rezoning please answer the following questions:
	1.	s the requested amendment consistent with the Master Plan? If yes, explain:  Master Plan states that property is zoned "General Commercial" and change in
		ammendment will not change the overall zoning of the property.
	2.	f the proposed zoning does not conform with the Master Plan, why should the
		change be made? Please be specific, brief, and attach any supporting documentation which substantiates your claim:
G.	prope	you anticipate the impact of the proposed zoning change on the neighboring y to be?  pooring properties are zoned as "General Commercial" and there is no
		eated impact on them.
		atod impact on thom
		ed affirm that he, she, or they, accept the responsibility of the Petition and that rewith submitted is true and correct to the best of their knowledge.
	Bolling	10/02/2023
Petitio	ner's S	nature(s) Date Petitioner's Signature(s) Date

# ALLENDALE CHARTER TOWNSHIP



Commitment No. 224822

ISSUING AGENT:

Sun Title Agency of Michigan, LLC

**UNDERWRITTEN BY:** 

Old Republic National Title Insurance Company

### ALTA COMMITMENT

SCHEDULE C (Property Legal Description)

### **LEGAL DESCRIPTION**

The Land referred to in this commitment is described as follows:

Land situated in the Township of Allendale, Ottawa County, Michigan:

Part of the South 1/2 of Section 24, Town 7 North, Range 14 West, described as: Commencing at the South 1/4 corner of said Section; thence North 00 degrees 25 minutes 55 seconds West 330.00 feet along the North-South 1/4 line of said Section to the point of beginning; thence continuing North 00 degrees 25 minutes 55 seconds West 32.48 feet along said 1/4 line; thence South 88 degrees 52 minutes 53 seconds East 125.03 feet parallel with the South line of said Section; thence South 01 degrees 3 minutes 04 seconds West 271.56 feet parallel with the West line of Units 1 and 2 of Allendale Crossings Condominium, Ottawa County Condominium Subdivision Plan No. 538; thence North 88 degrees 56 minutes West 135.01 feet along the Northerly right-of-way line for Lake Michigan Drive; thence North 00 degrees 25 minutes 55 seconds West 239.27 feet; thence South 89 degrees 07 minutes 11 seconds East 17.00 feet along the South line of South Edgewater Park, Edgewater Business Plat, as recorded in Liber 31 of Plats, Pages 41 through 44, inclusive, Ottawa County Records, to the point of beginning.

### 70-09-24-400-085

If provided above, any address and tax parcel number are solely for informational purposes, without warranty as to accuracy or completeness. If inconsistent in any way with the legal description above, the legal description shall control.

ERECORDING

2022-0019555

FILED & SEALED FOR RECORD IN
OTTAWA COUNTY, MI
JUSTIN F. ROEBUCK

COUNTY CLERK/REGISTER OF DEEDS
05/24/2022 AT 12:11 PM

30.00

TAX STAMP affixed after recording Affidavit on file.

### **WARRANTY DEED**

The GRANTOR(S):

Pear Line, L.L.C., a Michigan limited liability company of 114 Old M 21, Jenison, MI

49428

convey(s) and warrants(s) to the GRANTEE(S):

5213 Lake Michigan Drive LLC, a Michigan limited liability company of 2030 Lake Michigan Dr. NW, Ste. F, Grand Rapids, MI 49504

the premises located in the Township of Allendale, Ottawa County, Michigan and described on EXHIBIT A attached to this Deed ("PROPERTY"), subject to easements, building and use restrictions, interests, reservations of record, zoning ordinances, and taxes and assessments not yet due and payable.

Real Estate Transfer Tax Valuation Affidavit filed.

The Grantor grants to the Grantee the right to make the following division(s) under Section 108 of the Land Division Act, Act No. 288 of the Public Acts of 1967, as amended (enter a number, "All", or "None"):

(IF NO NUMBER IS INSERTED, THE RIGHT TO MAKE DIVISIONS STAYS WITH THE PORTION OF THE PARENT TRACT RETAINED BY THE GRANTOR; IF ALL OF THE PARENT TRACT IS CONVEYED, THEN ALL DIVISION RIGHTS ARE GRANTED). This Property may be located within the vicinity of farmland or a farm operation. Generally accepted agricultural and management practices which may generate noise, dust, odors, and other associated conditions may be used and are protected by the Michigan Right to Farm Act.

This deed is dated May 23, 2022

**GRANTOR:** 

Pear Line L.L.C., a Michigan limited liability company

Merwyn Koster, Member

STATE OF MICHIGAN

COUNTY OF KENT

Acknowledged before me in Kent County, Michigan on the 23rd day of May, 2022, by Merwyn Koster, Member of Pear Line, L.L.C., a Michigan limited liability company.

**Notary Name** 

Notary public, State of Michigan

County of Ottowa

My commission expires: \_\_

Acting in Kent County

ANTHONY J. PONTARELLI
NOTARY PUBLIC - STATE OF MICHIGAN
COUNTY OF OTTAWA
My Commission Expires Feb. 21, 2027
Acting in the County of

PREPARED AT THE DIRECTION OF THE GRANTOR BY (AND RETURN TO):

TJ Pontarelli Sun Title Agency of Michigan, LLC 1410 Plainfield Avenue, N.E. Grand Rapids, MI 49505 210521

### **EXHIBIT A**

### **Property**

### **LEGAL DESCRIPTION**

Land situated in the Township of Allendale, Ottawa County, Michigan:

Part of the South 1/2 of Section 24, Town 7 North, Range 14 West, described as: Commencing at the South 1/4 corner of said Section; thence North 00 degrees 25 minutes 55 seconds West 330.00 feet along the North-South 1/4 line of said Section to the Point of Beginning; thence continuing North 00 degrees 25 minutes 55 seconds West 32.48 feet along said 1/4 line; thence South 88 degrees 52 minutes 53 seconds East 125.03 feet parallel with the South line of said Section; thence South 01 degree 3 minutes 04 seconds West 271.56 feet parallel with the West line of Units 1 and 2 of Allendale Crossings Condominium, Ottawa County Condominium Subdivision Plan No. 538; thence North 88 degrees 56 minutes 56 seconds West 135.01 feet along the Northerly right-of-way line for Lake Michigan Drive; thence North 00 degrees 25 minutes 55 seconds West 239.27 feet; thence South 89 degrees 07 minutes 11 seconds East 17.00 feet along the South line of South Edgewater Park, Edgewater Business Plat, as recorded in Liber 31 of Plats, Page 41-44, Ottawa County Records to the Point of Beginning.

70-09-24-400-082

Commonly known as: 5213 Lake Michigan Dr., Unit B, Allendale, MI 49401

The property address and tax parcel are provided solely for informational purposes, without warranty as to accuracy or completeness. If inconsistent in any way with the legal description listed above, the legal description listed above shall control.

Ottawa County Treasurer Office 5/24/2022
The records in my office show no unpaid taxes or special assessments for the five years of 2021 and prior involving lands in this instrument. This does not include taxes owed as a result of Board of Review, PRE Denials or Tax Tribunal judgements.

Amanda Price, Treasurer KS

210521

#### ALLENDALE CHARTER TOWNSHIP

6676 Lake Michigan Dr. Allendale, MI 49401 Phone: 616-895-6295 Fax: 616-895-6330

www.allendale-twp.org

#### Planning Commission Site Plan Review Checklist

- This checklist shall be completed and submitted as part of the submittal packet to the Planning Commission. This is the same checklist that will be used by staff and Planning Commissioners to verify that all requirements set forth in the zoning ordinance are met.
- Township staff reviews the plan for completeness with the site plan checklist. If complete the
  plan can be forwarded to the Planning Commission. If not, the applicant is notified and must
  revise the site plan to comply with the checklist.
- A site plan which is to be reviewed by the Planning Commission shall be submitted to the Township offices no less than 31 days before the next regularly scheduled Commission meeting.
- Three separate plans are required:
  - 1) A site analysis plan
  - 2) A site plan
  - 3) A landscape plan

A checklist is provided for each plan on the following pages.

- Site plans shall be drawn at a scale of not more than 1"=20' if the site is less than two acres; 1"=40' if the site is less than six acres; and 1"=100' if the site is greater than six acres and shall contain the following information unless specifically waived by the Planning Commission.
- Either YES, NO or NA (Not Applicable) shall be marked next to each item. If NA is marked, please provide the reasoning for the NA notation.
- Before submitting a formal application for site plan review the applicant is encouraged to meet with the Township Planner or Zoning Administrator to review procedures and ask questions.

#### 1. SITE ANALYSIS PLAN CHECKLIST

This is a separate site plan showing natural and man-made features and is used to determine how the existing features of a property will be changed by the proposed project.

<b>❖</b>
Small-scale sketch of properties, streets and zoned uses of land within one-quarter mile of the site, sufficient to illustrate the existing character and development in the area of the site A sketch illustrating the location of the site within the Township
Existing buildings and structures
Current zoning of site and all abutting properties
Current use of site
Existing contour lines at two feet intervals on the subject property and to a distance of 50 feet outside the boundary lines of the site
Swales and existing drainage patterns
Existing strands of trees, tree lines and individual large trees.
Water bodies, streams, creeks and wetlands on the site and within 50' of subject property
 Base flood elevation data (if applicable)

#### 2. SITE PLAN CHECKLIST

See article 24 of Allendale Twp. Zoning Ordinance for actual language

\*

<b>GENER</b>	RAL INFORMATION								
Χ	Name of development								
Х	_ Date on which the site plan was prepared								
X	North arrow and scale								
X	Architect, landscape architect, engineer, or professional surveyor who prepared the plan								
_	X Name X Address X Professional seal								
PROPI	ERTY INFORMATION								
Х	Legal description based upon the most current survey								
X	Small-scale sketch of properties, streets and zoned uses of land within one-quarter mile of the								
-	site, sufficient to illustrate the existing character and development in the area of the site								
Χ	A sketch illustrating the location of the site within the Township								
X	The size in acres and square feet of the subject property								
Х	Property line dimensions and bearings								
X	Current zoning of site and all abutting properties								
Х	Location and use of existing structures within 100 feet of the boundary of the subject property								
Х	Proposed contour lines at not less than two feet intervals								
X	Percentage of site covered by impervious surface								
BUILD	INGS AND USES								
X									
	X Square Footage								
NA	Roof top equipment (Sec. 24.06.G.2)								
X	Setback of buildings from all property lines								
X	Architectural elevation drawings and exterior building materials (Sec. 24.06.J)								
UTILIT	TIES AND STORMWATER MANAGEMENT								
Locati	on, size and dimensions of the following:								
Χ	Utility easements								
X	 Water lines								
Х	Sanitary sewer lines								
Χ	Storm drainage lines								
X	Ditches and swales								
Х	Retention and/or detention areas								
Х	Fire hydrants								
Х	Catch basins								
NA	Septic tank and drain fields and water wells if applicable								
X	Transformers and above ground utilities								

<u>VEHICL</u>	<u>LE CIRCULATION</u>
Locatio	on, size and dimensions including width of the following:
Χ	Proposed streets
Χ	Abutting streets
Χ	Rights-of-way
Χ	Service drives
Χ	Driveways / curb cuts
Х	Curbs and gutters
Х	Access easements serving the site
Х	Driveways opposite the site and driveways and intersections within 100 feet on either side
	of the site
	Traffic control signs
Х	Master Plan streets which may cross the property
PEDES <sup>*</sup>	TRIAN CIRCULATION (Sec. 24.06.C)
Χ	Location, dimensions and surface type of all sidewalks, bike paths and other walkways
Х	Internal walkways through the parking lot (Sec. 24.06.C.3)
PARKII	NG (Article 21)
X	Number and dimensions of spaces and aisles
X	Computations to show number of spaces required
X	Distance to nearest property line
Х	Barrier free parking spaces and sidewalk ramps
Х	Type of parking area surface
	Curbs and gutters
x NA	Loading areas
LIGHTI	<b>NG</b> (Article 24.06.E)
	Location of exterior lights including building lights
	Height
	Type of fixture
OTHER	REQUIRED INFORMATION
Χ	Waste disposal facilities (Sec. 24.06.H)
Х	Outdoor storage (Sec. 24.06.G)
Х	Signs (Article 22)
NA	For residential developments (Sec. 24.05.D.17) summary schedules and views should be
	affixed as applicable in residential development, which gives the following data:
_	The net residential area which is the total size of the parcel minus any portion of the site within the road right-of-way expressed in acres and in square feet
_	The number of dwelling units proposed (by type) and the number of bedrooms for each type
	Typical lot size dimensions if detached housing is contemplated
_	Typical elevation views of the front and side and rear of each type of building
_	Proposed density of the net residential site

 Proposed phasing Location and specifications for any existing or proposed above or below ground storage facilities for any chemicals, salts, flammable materials, or hazardous materials as well as any containment structures or clear zones required by this Ordinance or by State or Federal Agencies.
The Planning Commission may require written statements relative to the effects on the existing traffic capacity of streets, and the proposed development's impact on public safety, existing utilities, the environment and natural features
 The Planning Commission may request additional studies, graphics or other written materials from the applicant in order to assist in determining the appropriateness of the site plan.

#### 3. LANDSCAPING PLAN CHECKLIST

This is a separate plan illustrating proposed landscaping See Articles 21A and Sec. 24.06.F of the Zoning Ordinance for actual language



Name, address and seal of landscape architect who prepa								
	Number of plants, type, size, location and spacing for:							
		X greenbelts;						
		X front yard along all streets abutting property;						
		X Parking lots (Sec. 21A.04.G);						
	X	Computations for all required landscaping						
To be pro	vided late	Underground irrigation system (Sec. 21A.03.E)						
NA Berms, walls and fences								
NA Landscaping for multi-family buildings see also Sec. 23.06.I								
X Open space and common areas								

Please note that the number of plantings required by the Ordinance may be modified (increased or decreased) by the Planning Commission based on the criteria below. If a reduction in the required landscaping is proposed please provide the reasons for this reduction on the landscaping plan relative to the criteria.

<u>Modification of Required Landscaping.</u> For existing and proposed uses that require site plan approval to either expand or be built, landscaping shall be installed insofar as practical. The Planning Commission in its review of the site plan has the authority to increase, decrease or otherwise modify the landscaping and screening requirements of this article. In doing so, the Commission shall consider the following criteria:

- 1. The amount of space on the site available for landscaping.
- 2. Existing landscaping on the site and on adjacent properties.
- 3. The type of use on the site and size of the development.
- 4. Existing and proposed adjacent land uses.
- 5. The effect the required landscaping would have on the operation of the existing or proposed land use.
- 6. Whether additional landscaping is necessary to mitigate the adverse effects of adjoining land uses, to reduce headlight glare, reduce noise and to otherwise achieve the objectives of this Section.

# SITE DEVELOPMENT PLANS JIFFY LUBE

## 5197 LAKE MICHIGAN DRIVE ALLENDALE CHARTER TOWNSHIP, OTTAWA COUNTY, MICHIGAN

#### PROJECT CONTACT LIST:

WATER & SEWER

ALLENDALE CHARTER TOWNSHIP

6676 LAKE MICHIGAN DRIVE,

ALLENDALE, MI 4940I

CONTACT: CHAD DOORNBOS

P - 616-892-3117

EMAIL: CHADDOORNBOS@ALLENDALE-TWP.ORG

COUNTY STORMWATER & EROSION

OTTAWA COUNTY WATER RESOURCES COMMISSIONER (OCWRC)

12220 FILMORE STREET, ROOM 141, WEST OLIVE, MI 49460 CONTACT: JON BRAXMIER PHN. - 616-994-4530

EMAIL: WATERRESOUCESCOMMISSIONEROMIOTTAWA.ORG

INSPECTIONS (OUTSIDE ROW)
PROFESSIONAL CODE INSPECTIONS
1913 BALDWIN STREET

JENISON, MI ATTN: STEVE KUSHION P - 616-667-8803 EMAIL: SKUSHIONOPCIMI.COM ELECTRIC

CONSUMER ENERGY

700 E. STERNBERG RD.

MUSKEGON, MI 4944I

CONTACT: GEROGE SMITH

P - 269-512-4948

EMAIL: GEORGESMITH@CMSENERGY.COM

GAS
DTE ENERGY
444 WEALTH ST SE
GRAND RAPIDS, MI 4944I
CONTACT: CHARKES HERNANDEZ RAMOS
P - 616-272-4720
EMAIL: CHARELES.HERNANDEZ@DTEENERGY.COM

PLANNING & ZONING DEPARTMENT

ALLENDALE CHARTER TOWNSHIP

6676 LAKE MICHIGAN DRIVE, PO BOX 539,

ALLENDALE, MI 4940I

CONTACT: KELLI MCGOVERN

P - 616-895-6295

EMAIL: KELLIMCGOVERN@ALLENDALE-TWP.ORG

PLANNER
FRESH COAST PLANNING
ATTN: GREGORY RANSFORD
P - 616-638-1240
EMAIL: GREGOFRESTCOASTPLANNING.COM

FIRE DEPARTMENT

ALLENDALE FIRE DEPARTMENT
6676 LAKE MICHIGAN DRIVE,
ALLENDALE, MI 4940I
CONTACT: TONY DOLCE
P - 616-895-6295
EMAIL: TONYDOCE@ALLENDALE-TWP.ORG

TELEPHONE DEPARTMENT

ACENTEK

6568 LAKE MICHIGAN DR,

ALLENDALE, MI 4940I

CONTACT: SCOTT FLANDERS

P - 616-892-0142

EMAIL: SFLANDERS

ACENTEK.NET

MDOT GRAND REGION OFFICE 1420 FRONT AVENUE, NW GRAND RAPIDS, MI 49504 P - 616-451-3091

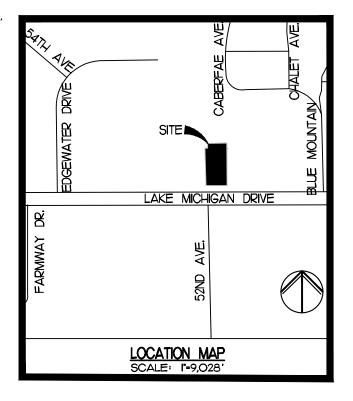
FLOOD INFORMATION:

FLOOD ZONE "X" (MINIMAL FLOOD

HAZARD)

PER FEMA MAP NO. 26139CO231E

EFFECTIVE DATE: DECEMBER 16, 2011



SITE LOCATION MAP

NTS
PARCEL IDENTIFICATION NUMBER:
PIN: 70-09-24-400-085

#### SHEET INDEX

TITLE COVER TOPOGRAPHIC SURVEY SITE ANALYSIS PLAN DEMOLITION PLAN SITE PLAN CIRCULATION PATH SITE DETAILS 1 OF 2 SITE DEATILS 2 of 2 GRADING PLAN STORMDRAIN PROFILE STORMDRAIN DETAIL UTILITY PLAN UTILITY DETAIL ESC PLAN ESC DETAIL 1 OF 2 ESC DETAIL 2 OF 2

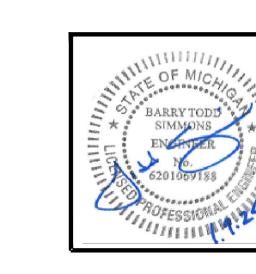
LANDSCAPE PLAN

LANDSCAPE DETAILS

- INFORMATION CONCERNING UNDERGROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS AND FIELD CONDITIONS WHEN POSSIBLE, BUT THE CONTRACTOR MUST DETERMINE THE EXACT LOCATION AND ELEVATION OF ALL EXISTING UTILITIES BY DIGGING TEST PITS BY HAND AT ALL UTILITY CROSSINGS WELL IN ADVANCE OF TRENCHING. IF THE CLEARANCES ARE LESS THAN SPECIFIED ON THE PLANS OR 12", WHICHEVER IS LESS, CONTACT FREELAND & KAUFFMAN, INC. (864-233-5497) AND OWNER PRIOR TO PROCEEDING WITH CONSTRUCTION.
- 2. THE CONTRACTOR SHALL INCLUDE IN HIS CONTRACT PRICE THE REMOVAL AND DISPOSAL OF ANY EXCESS TOPSOIL HE/SHE DETERMINES IS NOT REQUIRED TO PERFORM THE FINAL GRADING AND LANDSCAPING OPERATION.
- 3. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND IMPLEMENTATION OF ALL REQUIRED/NECESSARY SHEETING, SHORING, AND SPECIAL EXCAVATION MEASURES REQUIRED ON THE PROJECT TO MEET OSHA, FEDERAL, STATE AND LOCAL REGULATIONS PURSUANT TO THE INSTALLATION OF THE WORK INDICATED ON THE DRAWINGS. OWNER AND FREELAND & KAUFFMAN, INC. ACCEPT NO RESPONSIBILITY FOR THE DESIGN TO INSTALL SAID ITEMS.
- 4. CALL UTILITY LOCATOR SERVICE 72 HOURS IN ADVANCE OF DIGGING AT 811.
- 5. ALL WORK SHALL CONFORM TO THE ALLENDALE CHARTER TOWNSHIP STANDARDS AND SPECIFICATIONS.
- 6. ALL CURB/HANDICAP RAMP DESIGNS SHALL CONFORM TO ADA STANDARDS OR ALLENDALE CHARTER TOWNSHIP STANDARDS, WHICHEVER IS MORE RESTRICTIVE.
- 7. PRE-CAST DRAINAGE AND SANITARY SEWER STRUCTURES HAVE BEEN SPECIFIED ON THE PLANS. OWNER AND FREELAND & KAUFFMAN, INC., HOWEVER, ASSUME NO RESPONSIBILITY FOR THESE STRUCTURES AS FIELD CONDITIONS DURING CONSTRUCTION OFTEN DICTATE MINOR ELEVATION ADJUSTMENTS. THE CONTRACTOR ASSUMES ALL RESPONSIBILITY AND EXPENSE FOR MODIFYING THESE STRUCTURES TO ACCOMMODATE THESE FIELD ADJUSTMENTS.
- 8. THE CONTRACTOR IS RESPONSIBLE FOR PREPARING AND SUBMITTING AS-BUILT WATER AND SEWER INFORMATION, TO OBTAIN PERMITS TO PLACE UTILITIES INTO OPERATION. THE CONTRACTOR IS ALSO REQUIRED TO PROVIDE COPIES OF THE WATER AND SEWER PRESSURE TESTS, WATER MAIN BACTERIOLOGICAL TESTS, BACKFLOW PREVENTION TESTS BY A CERTIFIED BACKFLOW PREVENTION SPECIALIST, ETC., AS REQUIRED BY OTTAWA COUNTY AND ALLENDALE CHARTER TOWNSHIP.
- 9. ALL WATER LINE AND SEWER LINE INSTALLATION SHALL CONFORM TO THE STANDARDS AND DETAILS OF ALLENDALE CHARTER TOWNSHIP AND DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY (EGLE). THE CONTRACTOR IS RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH THESE STANDARDS.
- IO. THE LAND DISTURBANCE PERMIT MUST BE KEPT ON THE WORK SITE AND SHOWN UPON REQUEST.
- II. THE CONTRACTOR SHALL INCLUDE IN THE CONTRACT PRICE ALL MATERIAL AND LABOR ASSOCIATED WITH THE TESTING OF THE WATER AND SEWER LINES REQUIRED BY ALLENDALE CHARTER TOWNSHIP AND EGLE.
- 12. THE CONTRACTOR SHALL INCLUDE IN THE CONTRACT PRICE ANY DE-WATERING NECESSARY TO CONSTRUCT THE PROJECT AS SHOWN ON THE PLANS.
- 13. EROSION AND SEDIMENT CONTROL MEASURES MUST BE INSPECTED ONCE EVERY 7 CALENDAR DAYS AND WITHIN 24-HOURS OF QUALIFYING STORM EVENTS, AND MAINTAINED AS NEEDED TO INSURE THAT THE INTENDED PURPOSES ARE ACCOMPLISHED.
- 14. ALL PRE-CAST DRAINAGE AND MANHOLE STRUCTURES MUST MEET MDOT SPECIFICATIONS.
- 15. THE CONTRACTOR IS RESPONSIBLE FOR SECURING THE SERVICES OF A MICHIGAN REGISTERED LAND SURVEYOR ON-SITE TO PROVIDE ALL CONSTRUCTION STAKE-OUT SERVICES. THE CONTRACTOR IS ALSO RESPONSIBLE FOR INSURING THE SURVEYOR IS IN POSSESSION OF THE LATEST REVISIONS OF ALL

REVISIONS	PRE-BID SET A POST BID SET ISSUE DATE	DATE	BY

THE PROPOSED USE OF THIS SITE IS AN AUTOMOTIVE REPAIR ESTABLISHMENT. THE PROJECT WILL CONSIST OF A JIFFY LUBE BUILDING WITH ASSOCIATED PARKING AND DRIVEWAYS.



#### ENGINEER-

FREELAND and KAUFFMAN, INC.

Engineers - Landscape Architects

209 WEST STONE AVENUE GREENVILLE, SC 29609 864,233,5497 (TEL.)

CONTACT: TODD SIMMONS, PE E-MAIL: TSIMMONSOFK-INC.COM

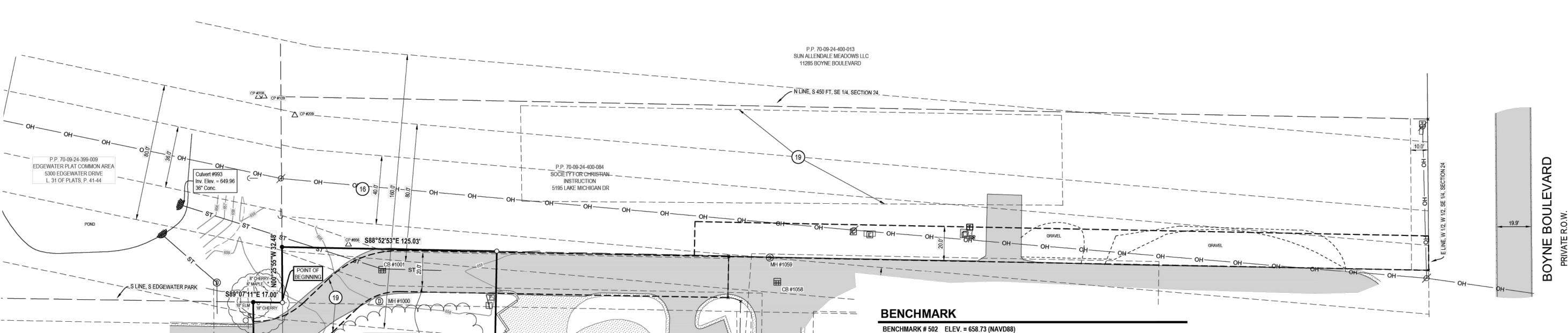
## OWNER/DEVELOPER-

GUGGENHEIM DEVELOPMENT SERVICES
3000 INTERNET BLVD., SUITE 570

FRISCO, TX 75034 214-534-8191 (TEL.)

CONTACT: JASON BOILLING E-MAIL: JASON,BOLLINGOGUGGENHEIMPARTNERS,COM

SHEET OI JANUARY 09, 2024



P.P. 70-09-24-400-083

HAMILTON CAPITAL

INVESTMENTS LLC

DRAINAGE EASEMENT PER

CB #11238

ACCESS SSW SSW SSW

**SCHEDULE B - SECTION II NOTES** 

of Easement recorded in Liber 5714, Page 631. The easement described in this document is shown on this survey.

based on the description contained in the record document - does not affect the surveyed property.

LAKE MICHIGAN DRIVE

VARIABLE WIDTH PUBLIC R.O.W.

BENCHMARK #502

ELEV. = 658.73

Right(s) of Way and/or Easement(s) and rights incidental thereto, as granted in a document: Granted to: State Highway Commissioner of the State of Michigan Recording No: Liber 241, Page 51. The location of said easement

Right(s) of Way and/or Easement(s) and rights incidental thereto, as granted in a document: Granted to: Consumers Power Company (now known as Consumers Energy) Recording No: Liber 285, Page 496 and Partial Release

Right(s) of Way and/or Easement(s) and rights incidental thereto, as granted in a document: Granted to: County of Ottawa in document entitled Utility Line Easement Recording No: Liber 1197, Page 843, Liber 1197, Page 849

Easements and the terms, conditions and provisions thereof which are recited in Grant of Easement for Storm Water Drainage and Detention Purposes by and between Edgewater Business Center Association, Inc., a Michigan non-profit corporation to Allendale Crossings, a Michigan non-profit corporation and Pear Line, L.L.C., a Michigan limited liability company recorded in Liber 5725, Page 415. Said easement is not on, does not touch, and

Easements and the terms, conditions and provisions thereof which are recited in Reciprocal Easement Agreement with Covenants, Conditions and Restrictions by and between Hutton Exchange Allendale MI, LLC, a Michigan

Right(s) of Way and/or Easement(s) and rights incidental thereto, as granted in a document: Granted to: Consumers Energy Company, a Michigan corporation Recording No: Instrument No. 2018-0028247. The policy does not

limited liability company and Pear Line, LLC, a Michigan limited liability company recorded in Instrument No. 2017-0042998. First Amendment recorded in Instrument No. 2018-0016588. The easement described in this

insure against unpaid water, sewer, blight tickets, electric or gas charges, if any, that have not been levied as taxes against these lands. (Meter readings should be obtained and adjusted between appropriate parties.) Said easement is not on, does not touch, and/or - based on the description contained in the record document - does not affect the surveyed property.

ALLENDALE CROSSINGS — CONDOMINIUM PLAN NO. 538

181 LAKE MICHIGAN DRIVE

Electric Meter

Electric Riser

Gas Meter

Iron-Found

Iron-Set

Light Pole

Manhole

Storm Manhole

Underground Gas Marker

Electric Underground Line

**Existing Building** 

& 13.5'± West of the edge of asphalt at West entrance to Allendale Crossings.

**LEGEND** 

Top of flange bolt under "MADE", 1.0'± above grade. Located 94'± North of the cetnerline of Lake Michigan Drive

#	Structure Type	Rim Elevation	Size/Type/Direction	Invert Elevation	Notes
660	Sanitary Manhole	658,33;	West	638.08	Unable to tell pipe size and material, pipe does run east but unable to get invert
1000	Storm Manhole	657.94	12" CPP (E)	651.66	
1000	Storm Warmore	037.94	15" CPP (N)	651.42	
1001	Catch Basin	657.00	15" CPP (S)	651.30	Water Elevation = 651.30 Can't see East & West

#### TITLE INFORMATION

The Title Description and Schedule B items hereon are from Sun Title, Commitment No. 224822, dated August 10, 2023

#### TITLE DESCRIPTION

The Land referred to in this commitment is described as follows:

Land situated in the Township of Allendale, Ottawa County, Michigan:

Part of the South 1/2 of Section 24, Town 7 North, Range 14 West, described as: Commencing at the South 1/4 corner of said Section; thence North 00 degrees 25 minutes 55 seconds West 330.00 feet along the North-South 1/4 line of said Section to the point of beginning; thence continuing North 00 degrees 25 minutes 55 seconds West 32.48 feet along said 1/4 line; thence South 88 degrees 52 minutes 53 seconds East 125.03 feet parallel with the South line of said Section; thence South 01 degrees 3 minutes 04 seconds West 271.56 feet parallel with the West line of Units 1 and 2 of Allendale Crossings Condominium, Ottawa County Condominium Subdivision Plan No. 538; thence North 88 degrees 56 minutes West 135.01 feet along the Northerly right-of-way line for Lake Michigan Drive; thence North 00 degrees 25 minutes 55 seconds West 239.27 feet; thence South 89 degrees 07 minutes 11 seconds East 17.00 feet along the South line of South Edgewater Park, Edgewater Business Plat, as recorded in Liber 31 of Plats, Pages 41 through 44, inclusive, Ottawa County Records, to the point of beginning.

#### **SURVEYOR'S NOTES**

- 1) ALTA TABLE "A" ITEM NO. 3 Flood Zone Classification: An examination of the National Flood Insurance Program's Flood Insurance Rate Map for Community Number 260490, Map Number 26139C0231E, with an Effective Date of December 16, 2011, shows this parcel to be located in Zone X(Areas determined to be outside of the 0.2% annual chance floodplain.) No field surveying was performed to determine this zone.
- 2) ALTA TABLE "A" ITEM NO. 4 Gross Land Area: 37,064 Square Feet / 0.85 Acres
- 3) ALTA TABLE "A" ITEM NO. 7(b)(1) Building Area: No building observed at the time of survey
- 4) ALTA TABLE "A" ITEM NO. 7(c) No building observed at the time of survey
- 5) ALTA TABLE "A" ITEM NO. 9 Parking Information: No parking spaces were observed on site at the time of survey.
- 6) Note to the client, insurer, and lender With regard to Table A, item 11, information from the sources checked above will be combined with observed evidence of utilities pursuant to Section 5.E.iv. to develop a view of the underground utilities. However, lacking excavation, the exact location of underground features cannot be accurately, completely, and reliably depicted. In addition, in some jurisdictions, 811 or other similar utility locate requests from surveyors may be ignored or result in an incomplete response. Where additional or more detailed information is required, the client is advised that excavation may be necessary.
- 7) NOTE TO CONTRACTORS: 3 (THREE) WORKING DAYS BEFORE YOU DIG, CALL MISS DIG AT TOLL FREE 1-800-482-7171 FOR UTILITY LOCATIONS ON THE GROUND.

#### **ZONING INFORMATION**

Zoning of property: Allendale Crossings PUD

This is to certify that this map or plat and the survey on which it is based were made in accordance with the 2021 Minimum Standard Detail Requirements for ALTA/NSPS Land Title Surveys, jointly established and adopted by ALTA and NSPS, and includes Items 1, 2, 3, 4, 5, 6(a), 6(b), 7(a), 7(b)(1), 7(b)(2), 7(c), 8, 9

Scott A. Hendges Professional Surveyor No. 4001047953 Nederveld, Inc. shendges@nederveld.com

PROJECT NO: 23201367

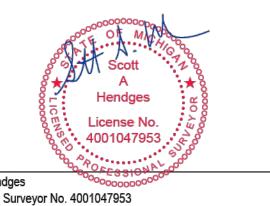
ALTA TABLE "A" ITEM NO. 6(a) - CURRENT ZONING CLASSIFICATION

(Zoning report not provided).

#### **SURVEYOR'S CERTIFICATION**

To Freeland & Kauffman, Inc.:

& 11(a) of Table A thereof. The fieldwork was completed on September 5, 2023.



LITHITY LOCATIONS ARE DERIVED FROM ACTUAL MEASUREMENTS OR AVAILABLE RECORDS. THEY SHOULD NOT BE INTERPRETED TO BE EXACT LOCATIONS NOR SHOULD IT BE ASSUMED THAT THEY ARE THE EXISTING UTILITIES AND SERVICE LINES IDENTIFIED AS "(PLAN)" WERE **LOCATION MAP** OBTAINED FROM AVAILABLE CITY AS-BUILT RECORD DRAWINGS. THI UTILITIES AND SERVICE LINES PRIOR TO NEW CONNECTIONS.

P.P. 70-09-24-400-080 HUTTON EXCHANGE ALLENDALE MI, LLC

5213 LAKE MICHIGAN DRIVE

\_\_\_\_\_

TEMPORARY CONSTRUCTION

(SEE SURVEYORS NOTE #5)

SCALE: 1" = 30'

ONLY UTILITIES IN THIS AREA.

Know what's **below**.

CALL before you dig.

Land Planning — Landscape Architecture — Civil Engineering — Land Surveying — High Definition Scanning — Forensic Engineering — Fire Investigation

DRAINAGE EASEMENT PER

CONDOMINIUM PLAN NO. 538

P.P. 70-09-24-400-085

5213 LAKE MICHIGAN DR LLC

PARCEL 2

NO BUILDINGS OBSERVED

0.85 ACRES

CCOH C N88°56'56"W 135.01"

UE (MH #660 - SS)

S 1/4 COR SECTION 24 > T7N, R14W

5195 LAKE MICHIGAN DRIVE

**GRAND RAPIDS INDIANAPOLIS** PREPARED FOR:

> Todd Simmons 209 West Stone Avenue

Freeland & Kauffman, Inc.

HOLLAND

Holland, MI 49423 Phone: 616.393.0449 **ANN ARBOR** 

CHICAGO

**COLUMBUS** 

Greenville, SC 29609

CREATED:

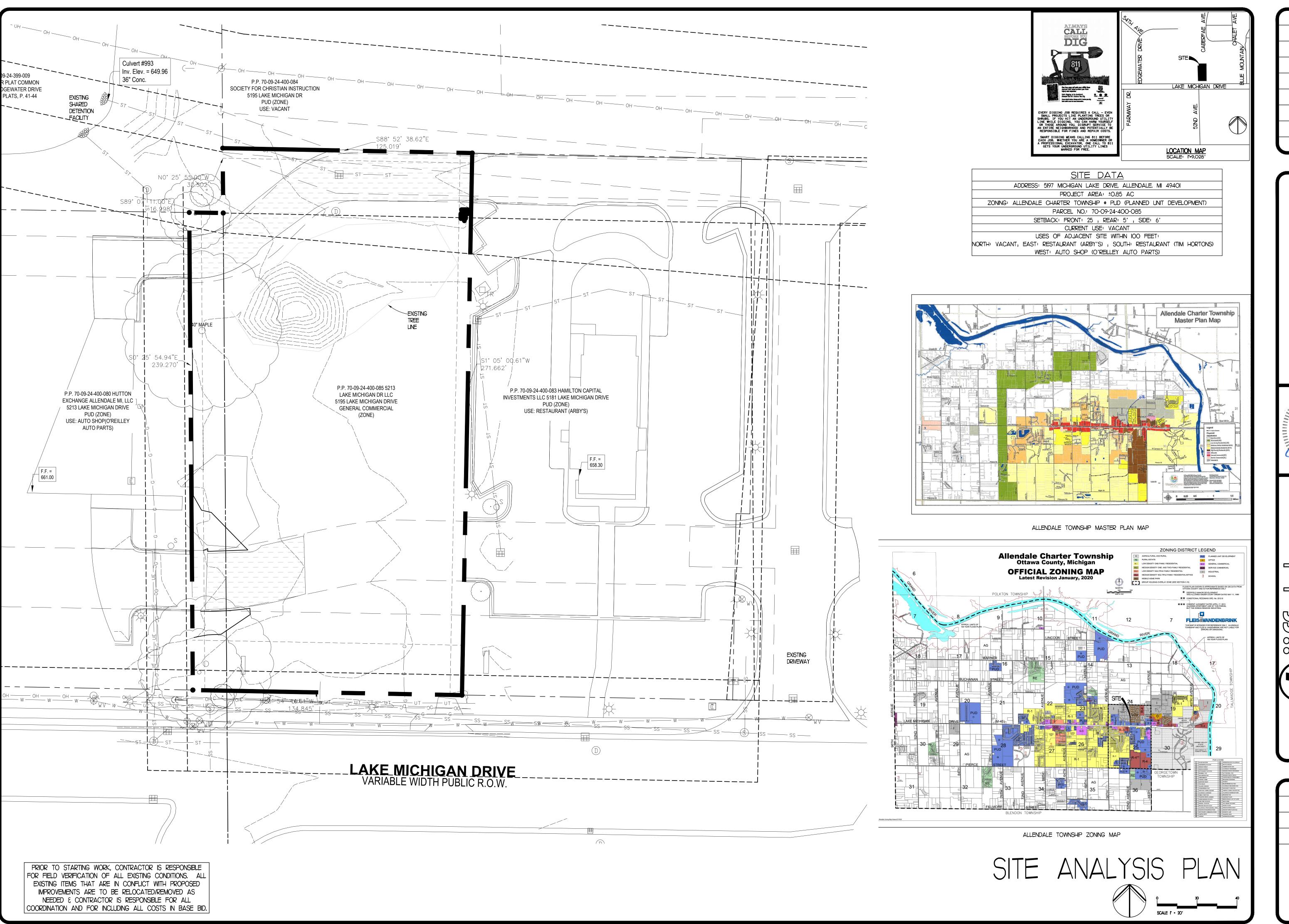
**REVISIONS:** 

Rev: CLIENT EDITS Date: 9/25/23 Rev: REVISIONS

STAMP:

SHEET NO:

© 2023 Nederveld, Inc.



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BARRY TODD

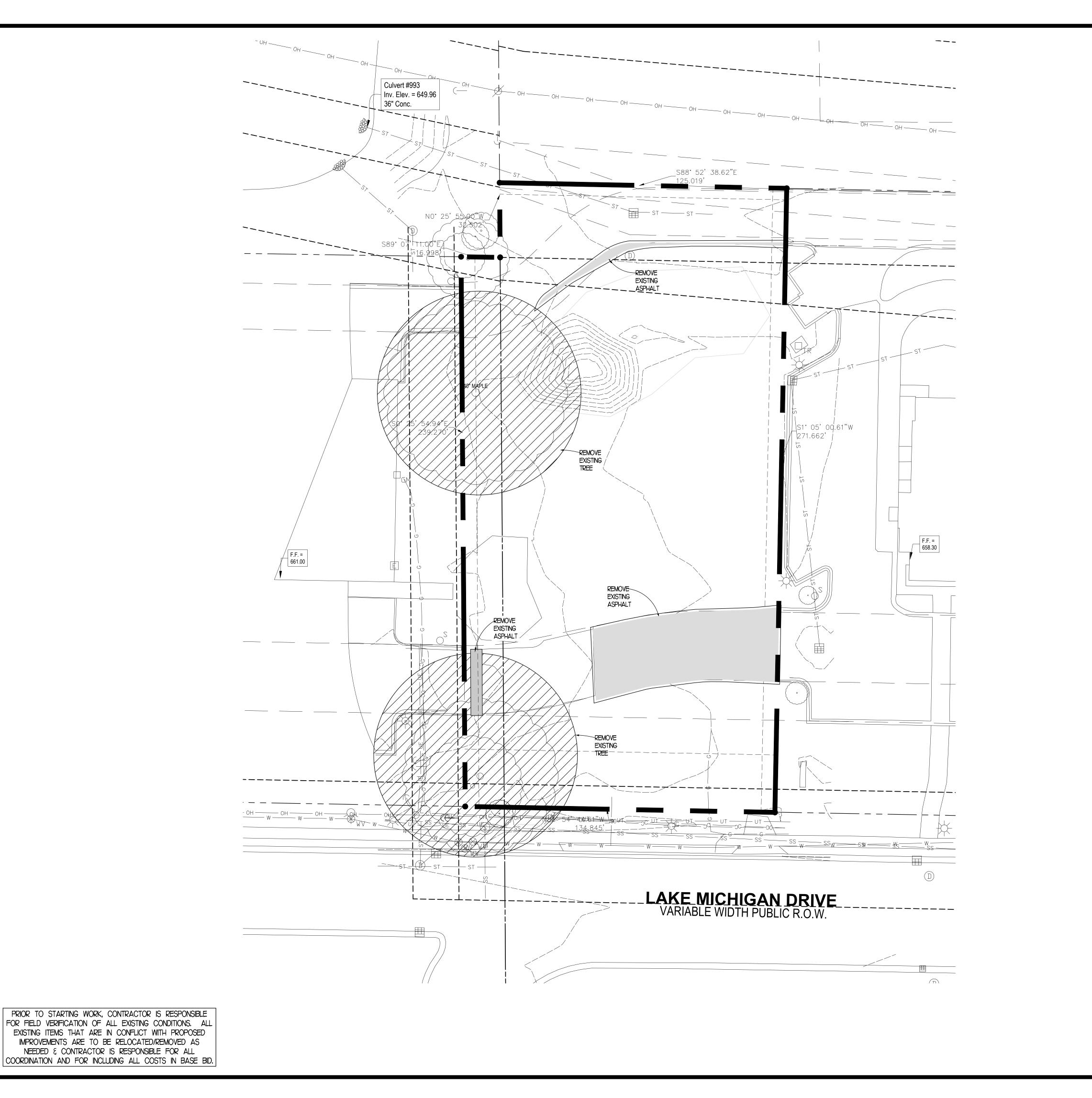
\* SIMMONS

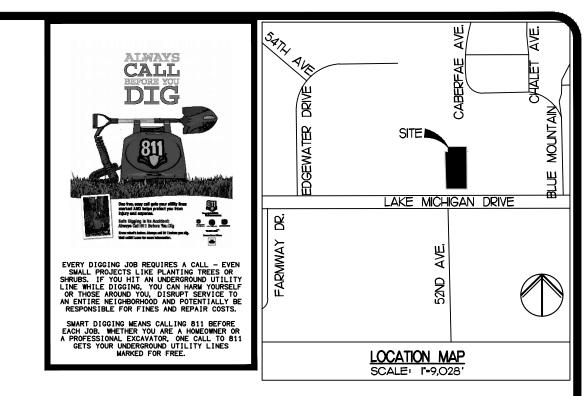
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LENDALE, MI - LAKE MICHIGAN DR SOOO INTERNET BOLLEVARD, SUITE 570 FRISCO, TX 75034

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AND and KAUFFMAN, INgineers \* Landscape Architects
209 West Stone Avenue
Greenville, South Carolina 29609
864-233-5497



ALLENDALE, MI - LAKE MICHIGAN DR GUGGENHEIM DEVELOPMENT SERVICES, LLC 3000 INTERNET BOLLEVARD, SUITE 570

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DEMOLITION PLAN

#### SITE PLAN NOTES

I. CONTRACTOR SHALL REFER TO THE JIFFY LUBE ARCHITECTURAL PLANS FOR THE EXACT LOCATION OF UTILITY ENTRANCES, BUILDING DIMENSIONS, ROOF LEADERS, EXIT DOORS, EXIT RAMPS AND PATIO.

2. ALL DIMENSIONS ARE TO BUILDING FACE, FACE OF CURB, EDGE OF ASPHALT

3. CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIALS FOR THE INSTALLATION OF TRAFFIC SIGNAGE AND PAVEMENT MARKINGS AS SHOWN ON THE CONSTRUCTION PLANS.

OR EDGE OF SIDEWALK UNLESS NOTED OTHERWISE.

4. ALL STRIPED ISLANDS SHALL BE PAINTED WITH STRIPES 4" WIDE, AT 45" AND 2 FEET O.C.

5. ALL STRIPING ON SITE SHALL BE 4" WIDE UNLESS NOTED OTHERWISE, STRIPING IN GDOT RIGHT-OF-WAY SHALL BE 5" WIDE.

6. CONTRACTOR SHALL COORDINATE FINAL LOCATION OF THE SITE SIGN WITH

7. CONTRACTOR SHALL REFER TO OTHER PLANS WITHIN THIS CONSTRUCTION SET FOR OTHER PERTINENT INFORMATION.

8. ALL WORK AND MATERIALS SHALL COMPLY ALLENDALE CHARTER TOWNSHIP REGULATIONS AND CODES AND O.S.H.A. STANDARDS.

9. ALL DISTURBED AREAS ARE TO RECEIVE FOUR INCHES OF TOPSOIL, SEED, MULCH AND WATER UNTIL A HEALTHY STAND OF GRASS IS ESTABLISHED, UNLESS OTHERWISE NOTED.

IO. CONTRACTOR IS RESPONSIBLE FOR OBTAINING APPROVAL FROM ALLENDALE CHARTER TOWNSHIP FOR THE LOCATION AND HEIGHT OF ALL SIGNAGE BEFORE CONDUIT AND WIRING IS INSTALLED.

II. EXISTING STRUCTURES WITHIN CONSTRUCTION LIMITS ARE TO BE ABANDONED, REMOVED OR RELOCATED AS NECESSARY. ALL COST SHALL BE INCLUDED IN BASE BID. (RE: DEMOLITION PLAN)

12. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RELOCATIONS, INCLUDING BUT NOT LIMITED TO, ALL UTILITIES, STORM DRAINAGE, SIGNS, TRAFFIC SIGNALS & POLES, ETC. AS REQUIRED. ALL WORK SHALL BE IN ACCORDANCE WITH GOVERNING AUTHORITIES SPECIFICATIONS AND SHALL BE APPROVED BY SUCH. ALL COST SHALL BE INCLUDED IN BASE BID.

13. SITE BOUNDARY, TOPOGRAPHY, UTILITY AND ROAD INFORMATION TAKEN FROM A SURVEY BY NEDERVELD.

14. CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL ITEMS/FEATURES IN CONFLICT WITH PROPOSED IMPROVEMENTS AND FOR INCLUDING ALL COSTS IN

#### PARKING CALCULATIONS

TENANT	QUANTITY	RATIO REQUIRED	PARKING REQUIRED	PARKING PROVIDED
JIFFY LUBE	296 SF	I PER 800SF	I	1
JIFFY LUBE EMPOYEE	8 EMP	I PER 2 EMP	4	3
JIFFY LUBE SERVICE BAY	4	2.0 / BAY	8	6
TOTAL			13	13

#### SITE DATA

ADDRESS: 5195 MICHIGAN LAKE DRIVE, ALLENDALE. MI 49401 PROJECT AREA: ±0.85 AC = 37,026 SF

ZONING: ALLENDALE CHARTER TOWNSHIP • PUD (PLANNED UNIT DEVELOPMENT) PARCEL NO.: 70-09-24-400-085

SETBACK: FRONT: 25, , REAR: 5' , SIDE: 6'

PAINT STRIPING LEGEND

SWSL/4" - SINGLE WHITE SOLID LINE / 4" WIDE DYSL/4" - DOUBLE YELLOW SOLID LINE / 4" WIDE NOTE: PAINT STRIPPING TO RECEIVE TWO COATS.

CONTRACTOR TO PROVIDE DESIGN/BUILD IRRIGATION PLAN AS PER ALLENDALE CHARTER TOWNSHIP ZONING ORDINANCE (ARTICLE 24, SECTION 24.05F7)

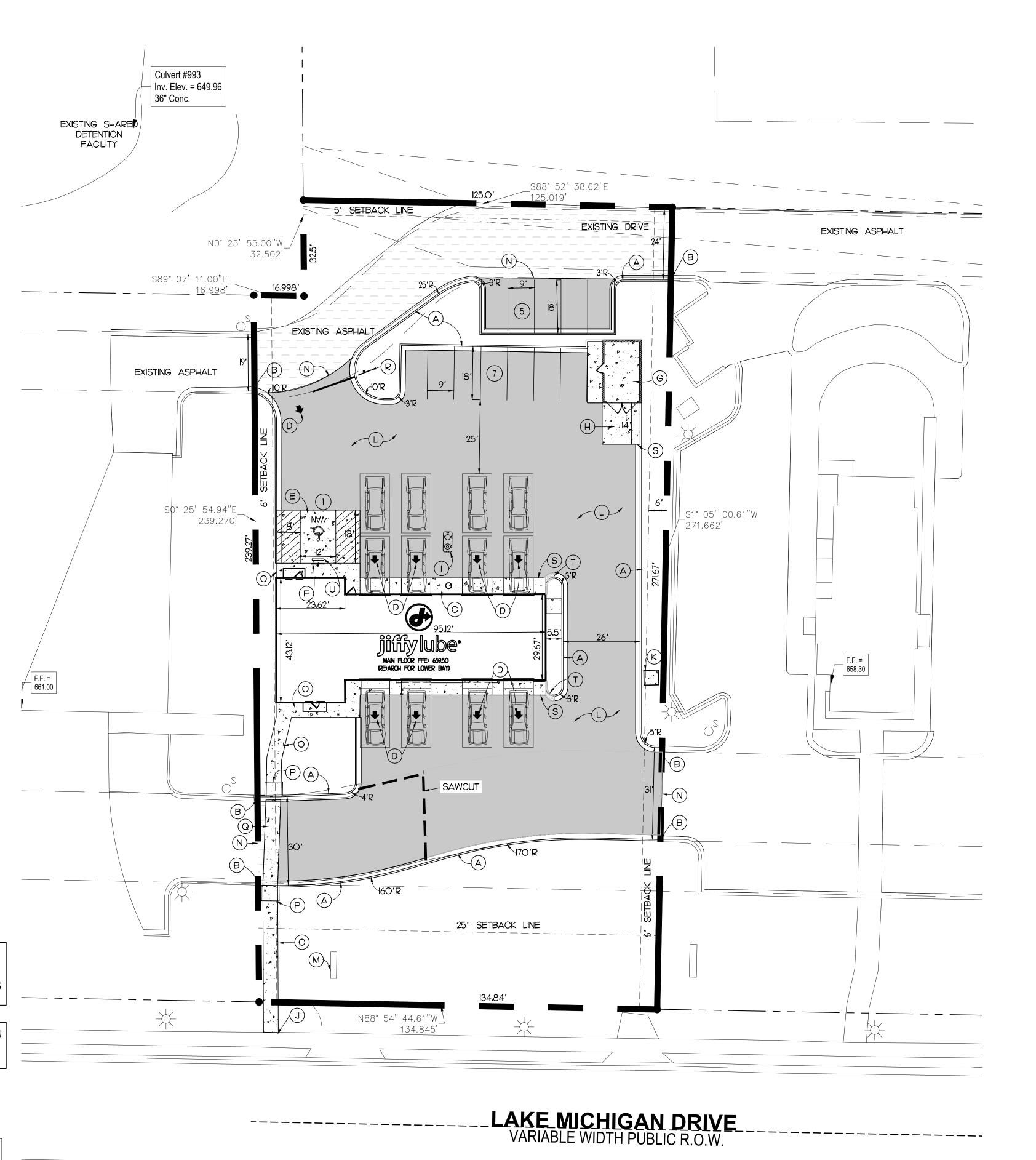
WHEN REQUIRED BY THE TOWNSHIP, ALL OWNERS OF UNDERGROUND IRRIGATION SYSTEMS SHALL DOCUMENT WEEKLY METER READS FOR EARLY IDENTIFICATION OF LEAKS, STUCK VALVES, OR ANY ABNORMALITIES IN THE IRRIGATION SYSTEM. DOCUMENTED METER READS ARE SUBJECT TO INSPECTION BY THE TOWNSHIP AT ANY THE TOWNSHIP MAY REQUIRE DOCUMENTED METER READS TO BE SUBMITTED.

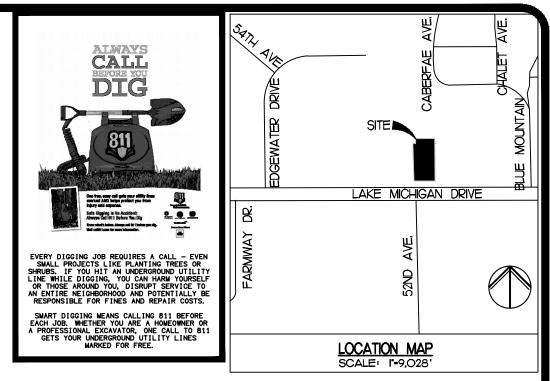
PUD AMENDMENT IS REQUIRED FOR THE PROPOSE USE OF THE "MAINTENANCE AND REPAIR SHOP". WE SEEK SIDE YARD OF 6' FOR THIS PROPERTY.

PUD AMENDMENT IS REQUIRED SECTION 5B8al FOR PEDESTRIAN WALKWAY REQUIREMENT.

SNOW WILL BE PLOWED AND REMOVED OFFSITE, AS NECESSARY.

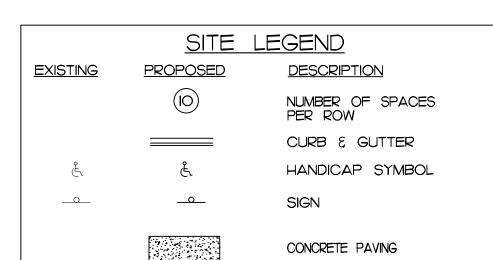
PRIOR TO STARTING WORK, CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL EXISTING CONDITIONS. ALL EXISTING ITEMS THAT ARE IN CONFLICT WITH PROPOSED IMPROVEMENTS ARE TO BE RELOCATED/REMOVED AS NEEDED & CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION AND FOR INCLUDING ALL COSTS IN BASE BID.





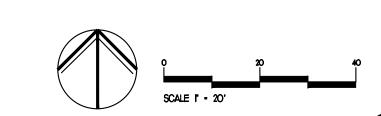
#### **LEGEND**

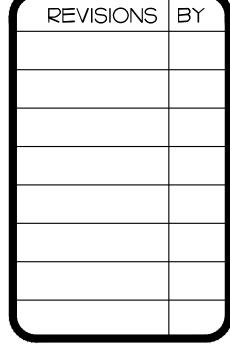
- A 24' CURB & GUTTER AS PER MDOT R-30G DETAIL F4 (SEE DETAIL ON SITE DETAIL SHEET 8)
- (B) TIE PROPOSED CURB & GUTTER TO EXISTING
- C CONCRETE APRON (RE: ARCH)
- D DIRECTIONAL ARROW
- ACCESSIBLE PARKING SPACE W/ SIGN IN PIPE BOLLARD POST TYPICAL. SEE SITE DETAILS SHEET FOR ACCESSIBLE SPACE SIGN AND SYMBOL.
- (F) ADA SIGN IN PIPE BOLLARD POST
- G DUMPSTER ENCLOSURE (RE: ARCH)
- (H) HEAVY DUTY CONCRETE PAD, SEE DETAIL
- (I) OIL SEPERATOR (RE: ARCH)
- J TIE PROPOSED SIDEWALK TO EXISTING
- (K) TRANSFORMER PAD
- L STANDARD DUTY PAVING, SEE DETAIL
- (M) SITE SIGN (BY OTHERS)
- (N) TIE TO EXISTING ASPHALT
- 5' CONCRETE SIDEWALK
- P ACCESSIBLE RAMP, SEE DETAILS
- (Q) 5' WIDE STAMPED CROSSWALK
- (R) "STOP" SIGN
- S ASPHALT TO CONCRETE CONNECTION, SEE DETAIL
- TAPER CURB FROM 6" TO 0" OVER 8"
- U WHEELSTOP



SITE PLAN

STANDARD DUTY ASPHALT

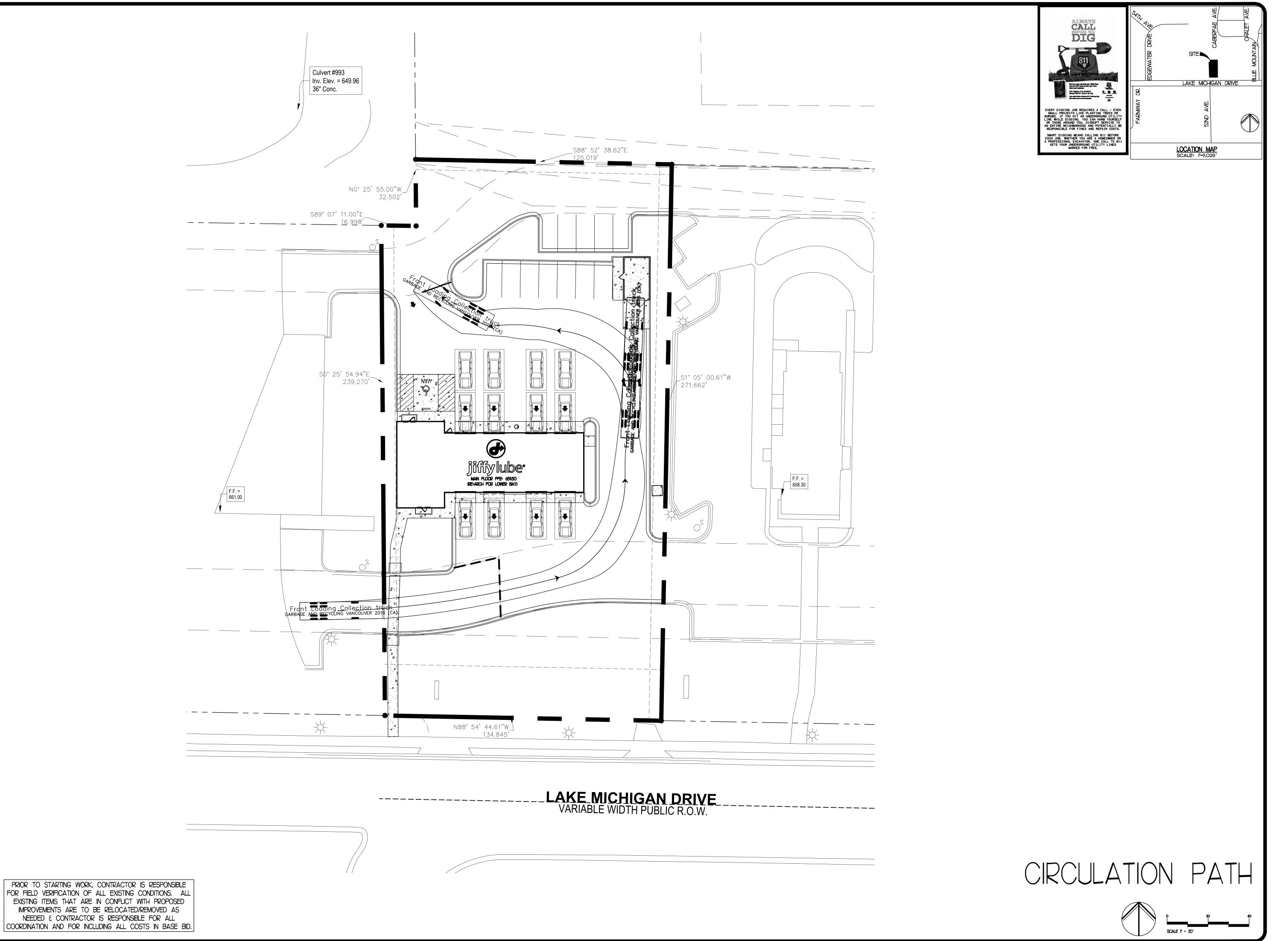






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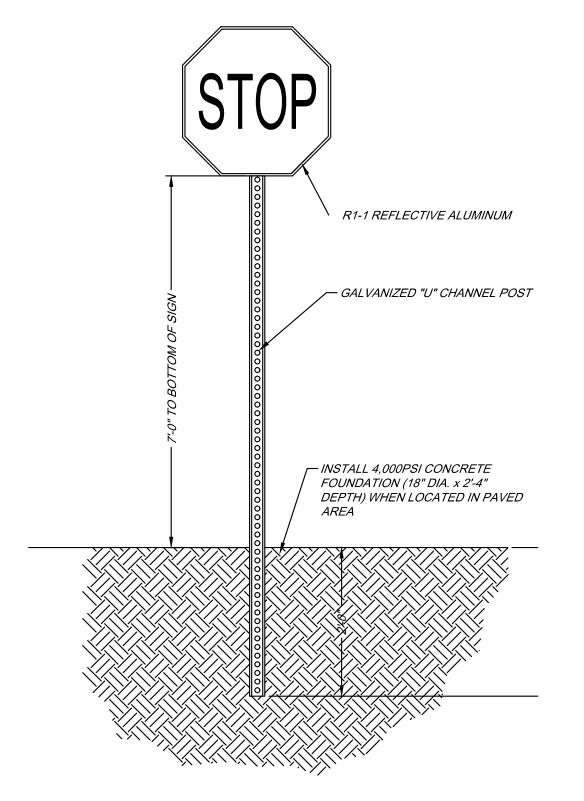
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Greenville, South Carolina 29609
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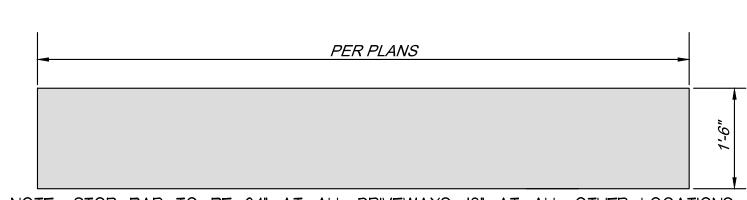
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3000 INTERNET BOLLEVARD, SUITE 570

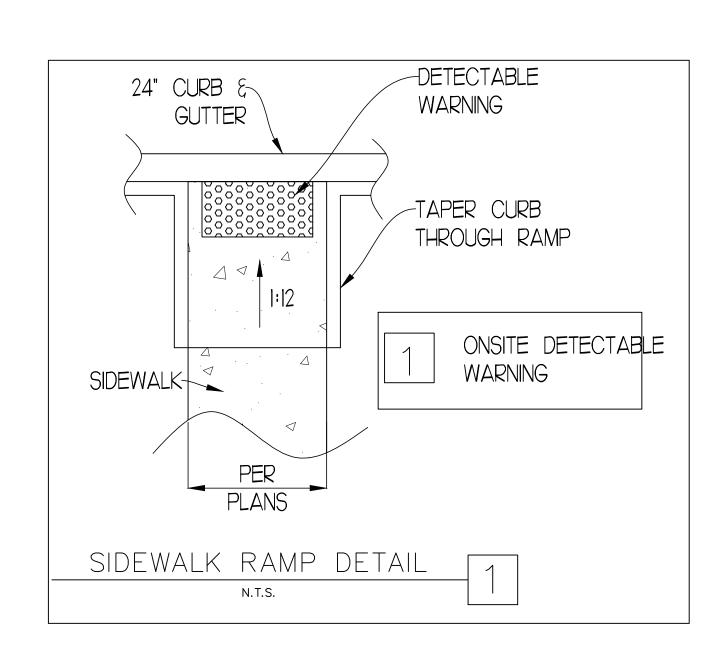
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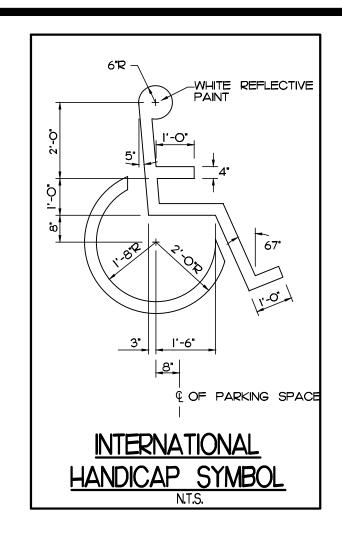


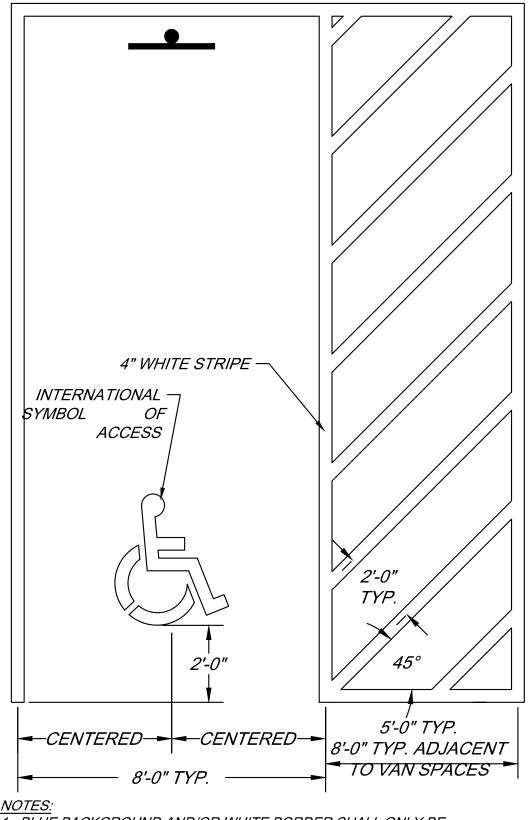
#### STOP SIGN DETAIL



NOTE: STOP BAR TO BE 24" AT ALL DRIVEWAYS, I8" AT ALL OTHER LOCATIONS STOP BAR DETAIL



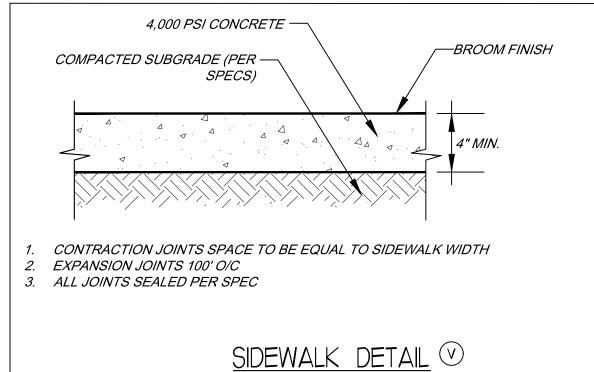


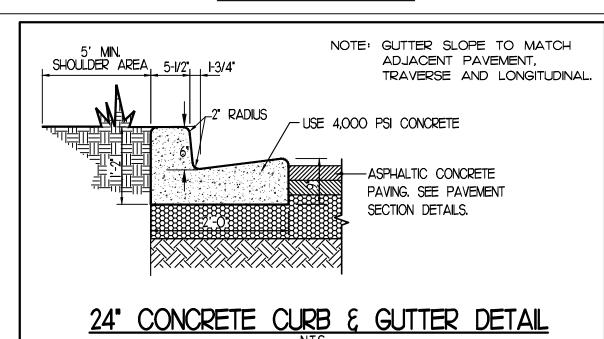


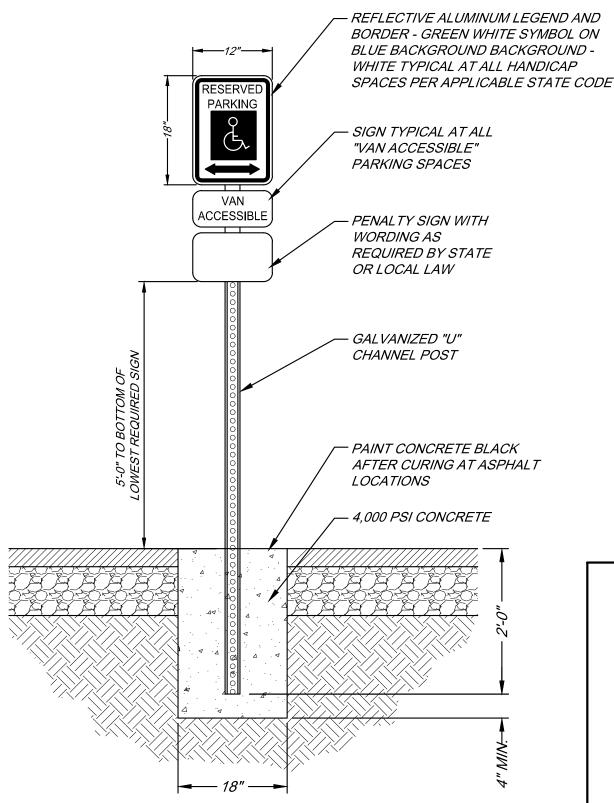
NOTES:

1. BLUE BACKGROUND AND/OR WHITE BORDER SHALL ONLY BE INSTALLED WHERE REQUIRED BY AHJ.

2. ALL PAVEMENT MARKINGS SHALL MATCH THE EXACT DIMENSIONS AND COLOR SHOWN ON THIS DETAIL UNLESS REQUIRED OTHERWISE BY

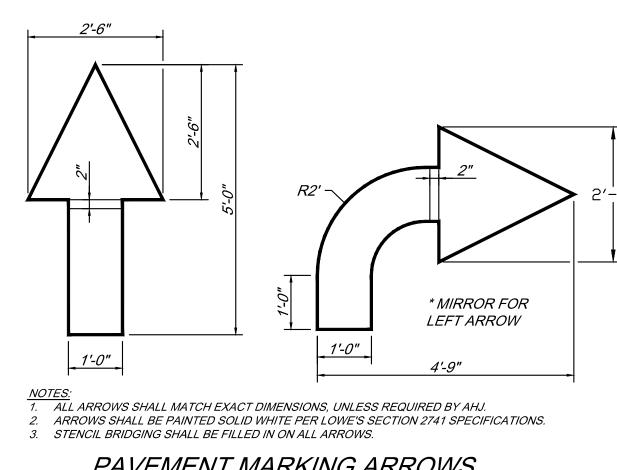




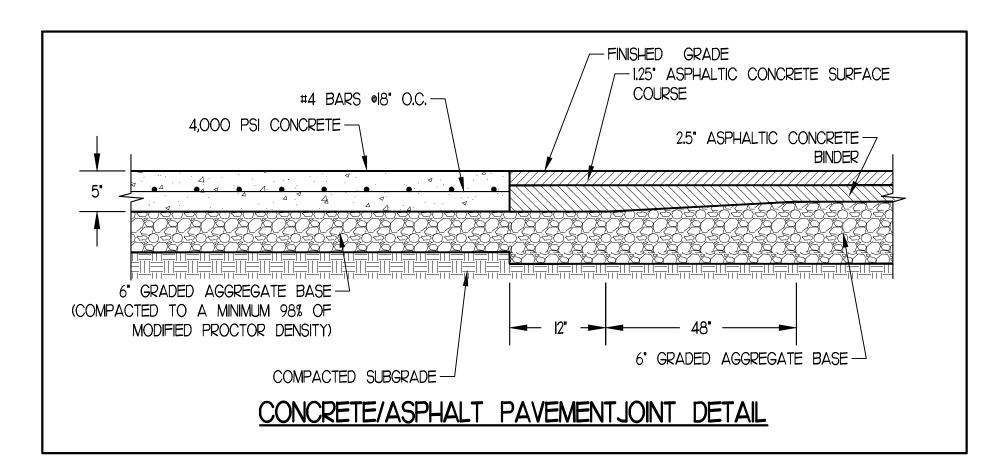


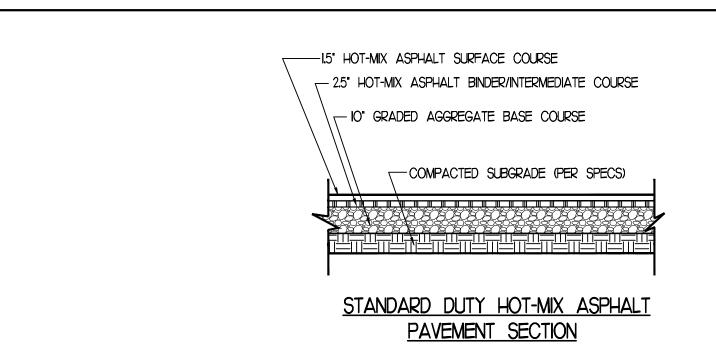
#### HANDICAP PARKING SIGN

ONE AT EACH HANDICAP SPACE. WHERE HANDICAP SPACES FACE EACH OTHER WITHOUT WALKWAY, THERE SHALL BE ONE POST WITH SIGNS MOUNTED BOTH SIDES



PAVEMENT MARKING ARROWS





6" 4000 PSI PC AIR-ENTRANED CONCRETE 8" GRADED AGGREGATE BASE (COMPACTED TO A MINIMUM 98% OF MODIFIED PROCTOR DENSITY) COMPACTED SUBGRADE (PER SPECS)

#### HEAVY DUTY CONCRETE PAVEMENT SECTION

NOTE: PAVEMENT DESIGN HAS BEEN TAKEN FROM GEOTECHNICAL INVESTIGATION REPORT PREPARED BY ECS MIDWEST, LLC DATE 11-17-2023. FREELAND & KAUFFMAN, INC. ASSUMES NO RESPONSIBILITY OR LIABILITY FOR DESIGN AND PERFORMANCE.

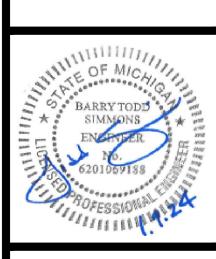
PAVEMENT SECTIONS

SITE DETAILS 1 OF 2

NOTE: ALL JOINTS (CONTACTION JOINTS/EXPANSION

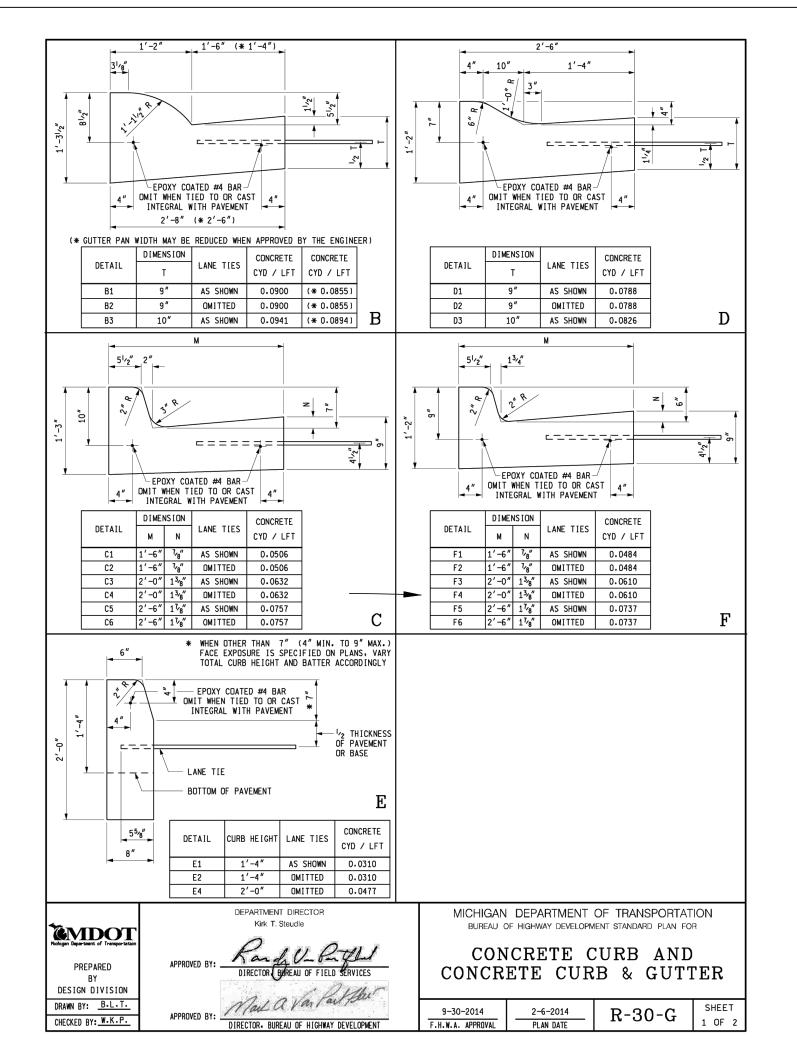
JOINTS) TO BE SEALED •CONCRETE

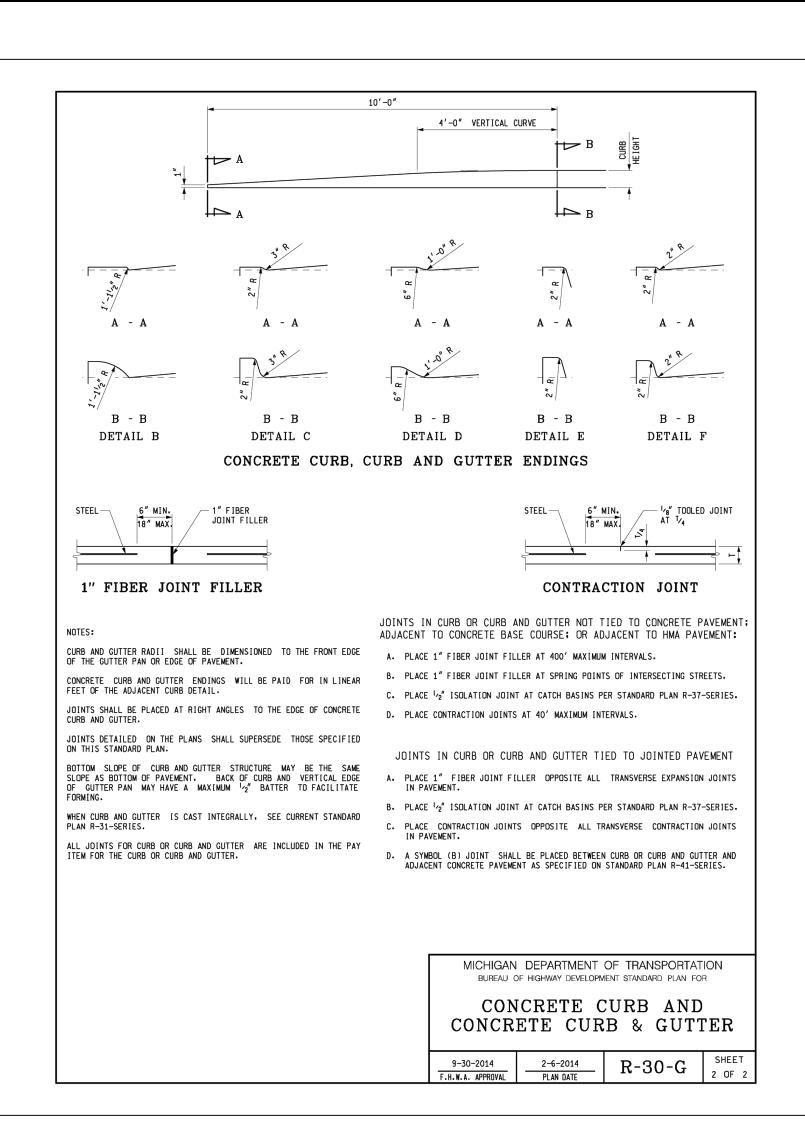
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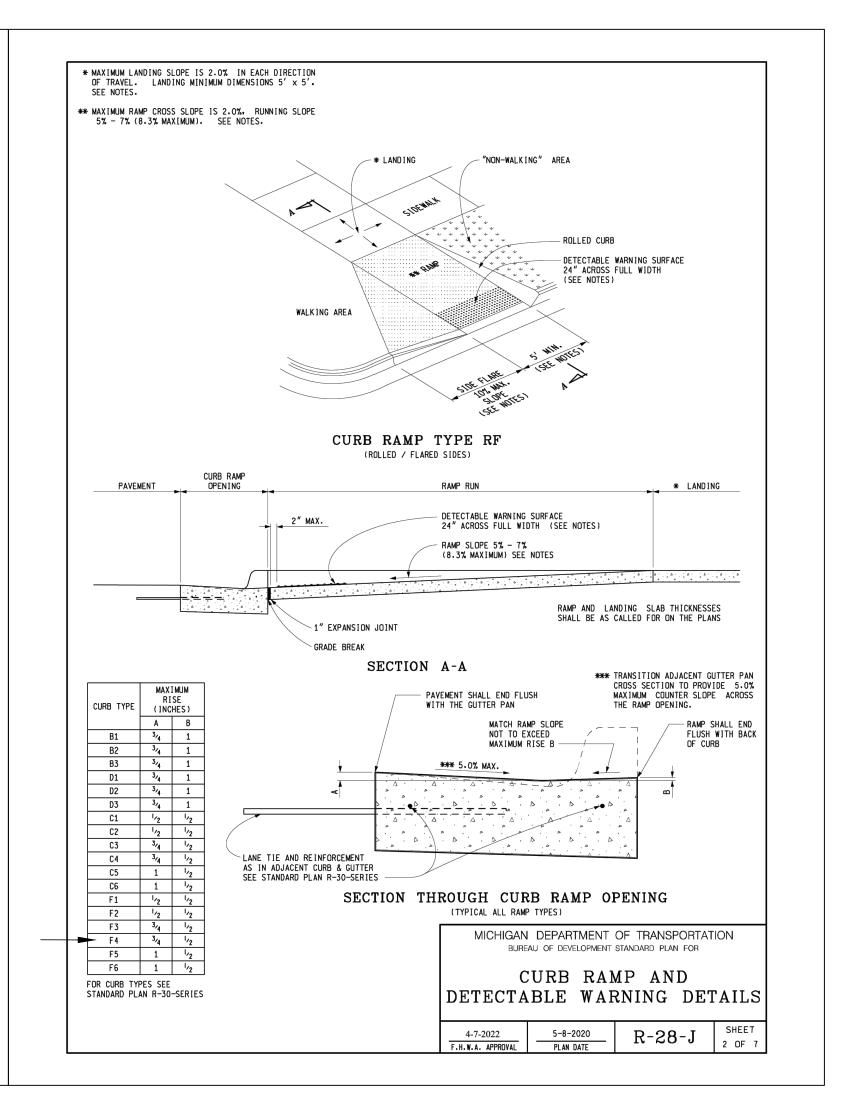


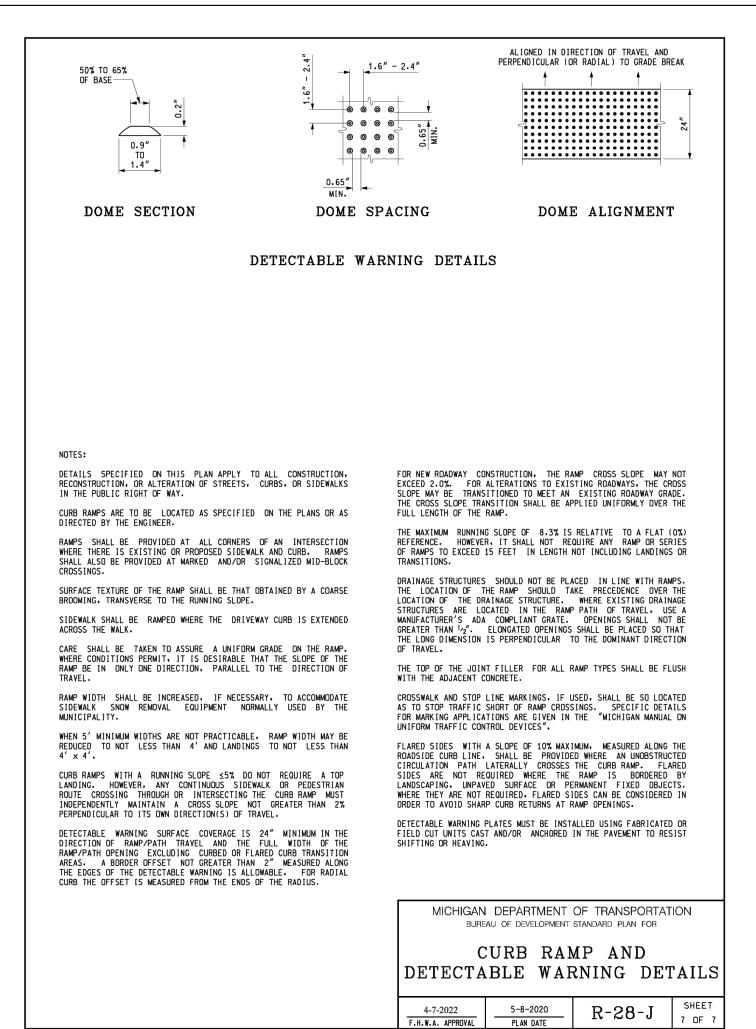
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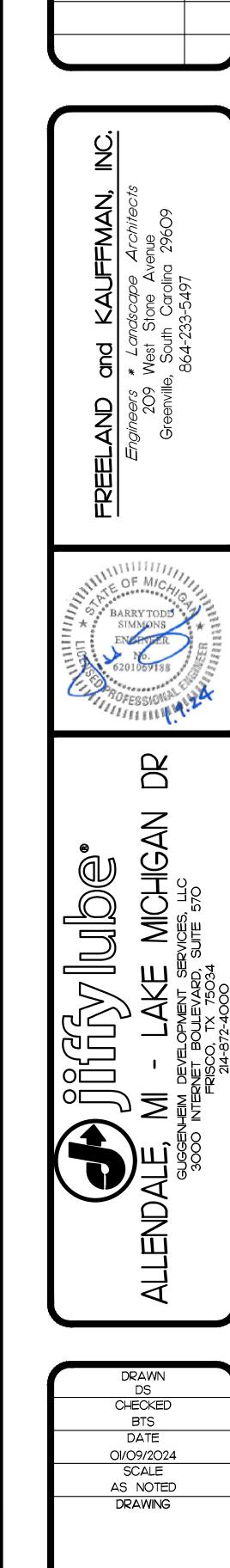
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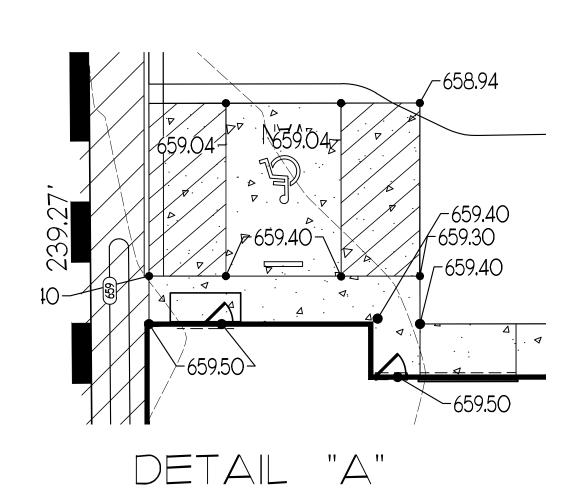






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SITE DETAILS 2 OF 2



## NOTE: CONTRACTOR TO PROVIDE OIL FILTERS/TRAP TO CATCH BASINS.

#### STORMDRAIN PIPE MATERIAL SPECIFICATION

STORM PIPE SHALL BE AS FOLLOWS UNLESS OTHERWISE NOTED:

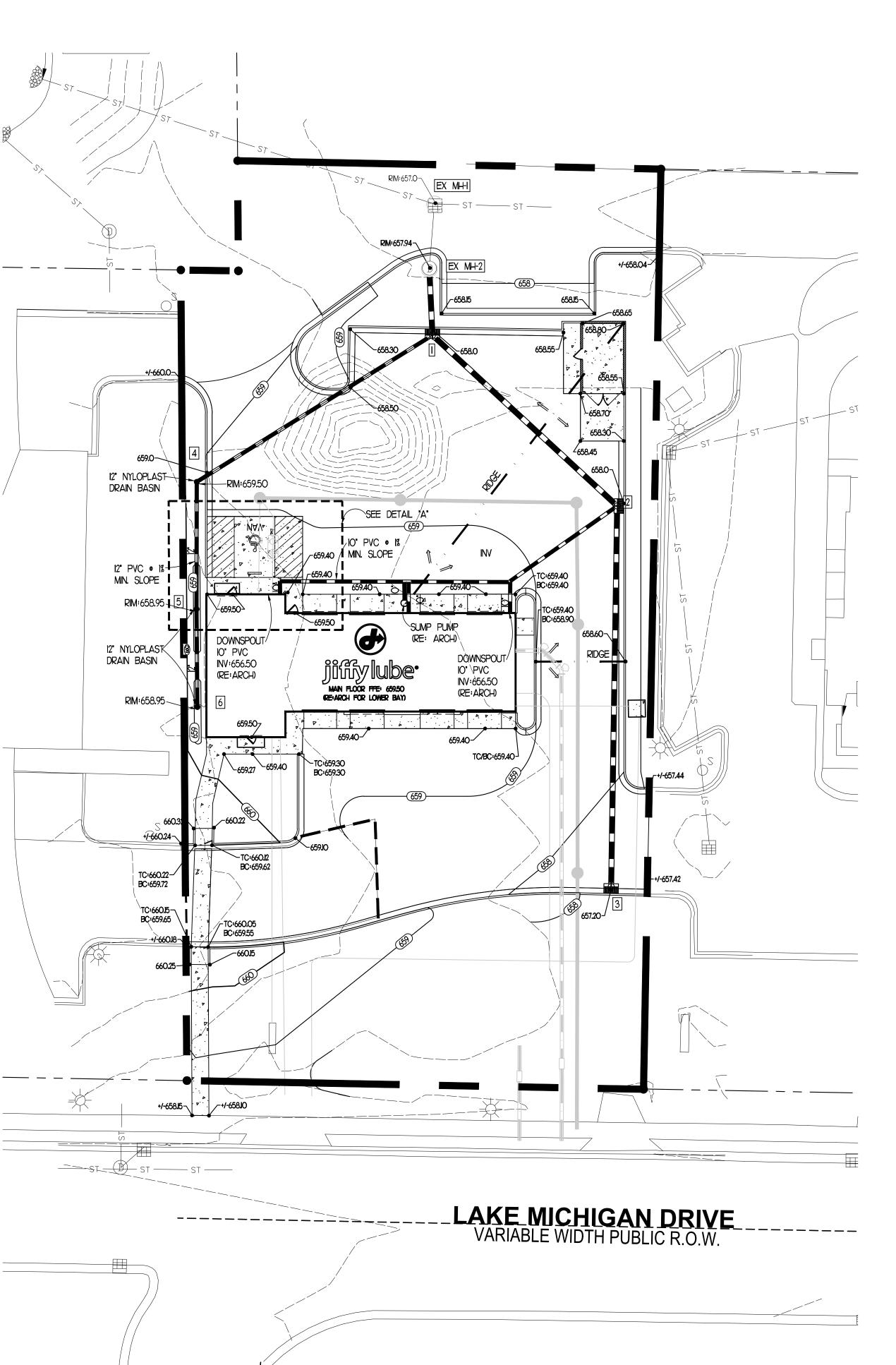
TYPE I: REINFORCED CONCRETE PIPE (RCP) CLASS III, WALL B PER ASTM C-76,

TYPE II: HIGH DENSITY POLYETHYLENE PIPE (HDPE) SMOOTH INTERIOR/ANNULAR EXTERIOR PER

AASHTO M252 TYPE S, M294 TYPE S & MP7-97 TYPE S (UNLESS OTHERWISE NOTED, ALL PIPES 36"

& LARGER TO BE RCP, ALL PIPES 30" AND SMALLER TO BE EITHER RCP OR HDPE)

PRIOR TO STARTING WORK, CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL EXISTING CONDITIONS. ALL EXISTING ITEMS THAT ARE IN CONFLICT WITH PROPOSED IMPROVEMENTS ARE TO BE RELOCATED/REMOVED AS NEEDED & CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION AND FOR INCLUDING ALL COSTS IN BASE BID.







#### NOTE

I. ALL SITE WORK SHALL BE DONE IN ACCORDANCE WITH THE PLANS PREPARED BY FREELAND & KAUFFMAN, INC., THE CURRENT REQUIREMENTS ALLENDALE CHARTER TOWNSHIP, THE APPLICABLE SECTIONS OF THE MDOT STANDARD SPECIFICATIONS FOR ROADWAY CONSTRUCTION, AND ALL OTHER PERTINENT FEDERAL AND STATE LAWS

2. THE CONTRACTOR SHALL COMPLY AT ALL TIMES WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, PROVISIONS, AND POLICIES GOVERNING SAFETY AND HEALTH, INCLUDING THE FEDERAL CONSTRUCTION SAFETY ACT (PUBLIC LAW 91-54), FEDERAL REGISTER, CHAPTER XVII, PART 1926 OF TITLE 29 REGULATIONS, OCCUPATIONAL SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION, AND SUBSEQUENT PUBLICATIONS UPDATING THESE REGULATIONS.

3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EXAMINING THE AREAS AND CONDITIONS UNDER WHICH THE PROJECT IS TO BE CONSTRUCTED PRIOR TO THE SUBMISSION OF A BID. SUBMISSION OF A BID SHALL BE CONSTRUED TO MEAN THE CONTRACTOR HAS REVIEWED THE SITE AND IS FAMILIAR WITH CONDITIONS AND CONSTRAINTS OF THE SITE.

4. BEFORE EXCAVATION, ALL UNDERGROUND UTILITIES SHALL BE LOCATED IN THE FIELD BY THE PROPER AUTHORITIES. THE CONTRACTOR SHALL NOTIFY "CALL BEFORE YOU DIG" AT 811. THE LOCATION OF ALL UTILITIES AND UNDERGROUND STRUCTURES ARE APPROXIMATE AND MAY NOT ALL BE SHOWN. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXISTENCE AND THE EXACT LOCATION OF ALL UTILITIES AND UNDERGROUND STRUCTURES.

5. ALL EXISTING TREES, VEGETATION, PAVEMENTS, CONCRETE FOUNDATIONS, STRUCTURES AND ORGANIC TOPSOIL SHALL BE STRIPPED AND REMOVED FROM NEW CONSTRUCTION AREAS UNLESS NOTED OTHERWISE.

6. ALL SLOPES SHALL BE 3:1 (HORIZONTAL: VERTICAL) MAXIMUM UNLESS NOTED OTHERWISE.

7. ALL AREAS NOT PAVED SHALL BE TOPSOILED, SEEDED AND MULCHED OR LANDSCAPED UNLESS OTHERWISE NOTED IN THE CONSTRUCTION DRAWINGS, SITE SPECIFICATIONS OR INSTRUCTED BY THE OWNER.

8. CONTRACTOR SHALL REFER TO OTHER PLANS WITHIN THIS CONSTRUCTION SET FOR OTHER PERTINENT INFORMATION.

9. THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS FOR THE EXACT NUMBER AND LOCATION OF ROOF DRAINS.

IO. IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO REPAIR AND/OR REPLACE THE EXISTING STRUCTURE AS NECESSARY TO RETURN IT TO EXISTING CONDITIONS OR RETTED

II. THE CONTRACTOR SHALL ADHERE TO ALL TERMS & CONDITIONS AS OUTLINED IN THE GENERAL N.P.D.E.S. PERMIT FOR STORMWATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES.

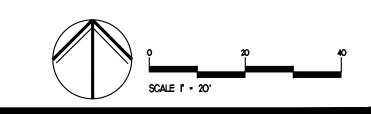
12. CONTRACTOR SHALL ADJUST AND/OR CUT EXISTING PAVEMENT AS NECESSARY TO ASSURE A SMOOTH FIT AND CONTINUOUS GRADE.

13. TOPOGRAPHIC INFORMATION TAKEN FROM A TOPOGRAPHIC SURVEY BY NEDERVELD, INC. IF CONTRACTOR DOES NOT ACCEPT EXISTING TOPOGRAPHY AS SHOWN ON THE PLANS, WITHOUT EXCEPTION, HE SHALL HAVE MADE, AT HIS EXPENSE, A TOPOGRAPHIC SURVEY BY A REGISTERED LAND SURVEYOR AND SUBMIT IT TO THE OWNER FOR REVIEW.

14. EXISTING DRAINAGE STRUCTURES TO BE INSPECTED AND REPAIRED AS NEEDED, AND EXISTING PIPES TO BE CLEANED OUT TO REMOVE ALL SILT AND DEBRIS.

15. ALL SLOPES 3:1 AND STEEPER TO RECEIVE EROSION CONTROL BLANKET. SEE SWPPP DETAILS.

GRADING PLAN



REVISIONS BY

IND and KAUFFMAN, INC.

ineers \* Landscape Architects
209 West Stone Avenue
ireenville, South Carolina 29609
864-233-5497

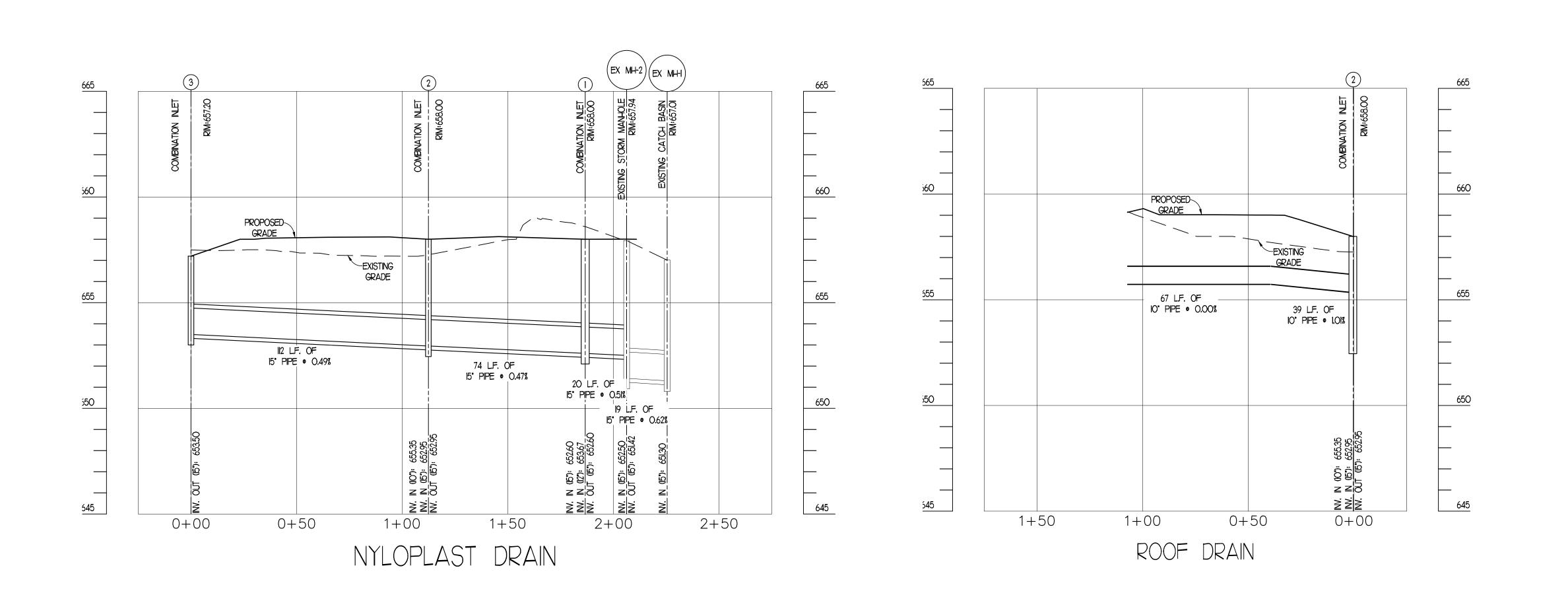


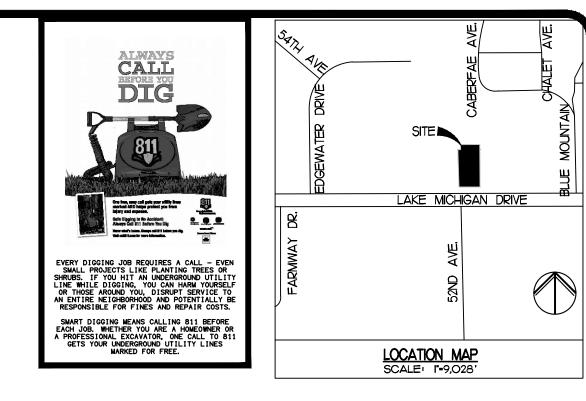
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ALLENDALE, MI - LAKE MICHIGAN

GUGGENHEIM DEVELOPMENT SERVICES, LLC
3000 INTERNET BOLLEVARD, SUITE 570

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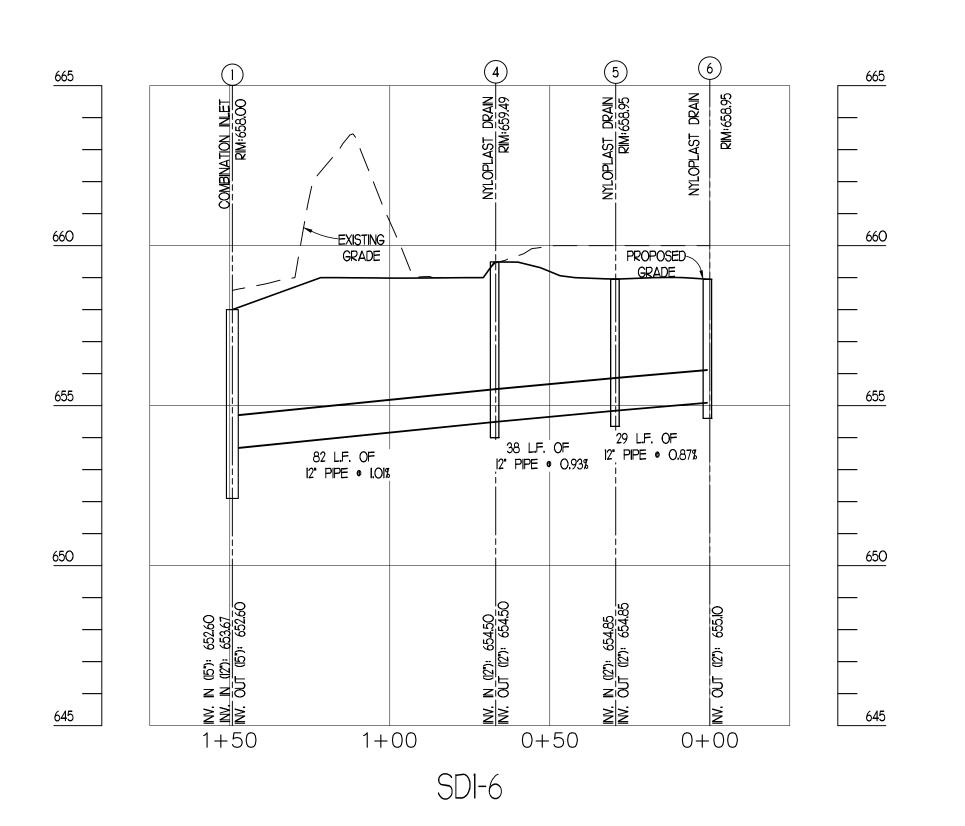


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STORMDRAIN PIPE MATERIAL SPECIFICATION

STORM PIPE SHALL BE AS FOLLOWS UNLESS OTHERWISE NOTED:

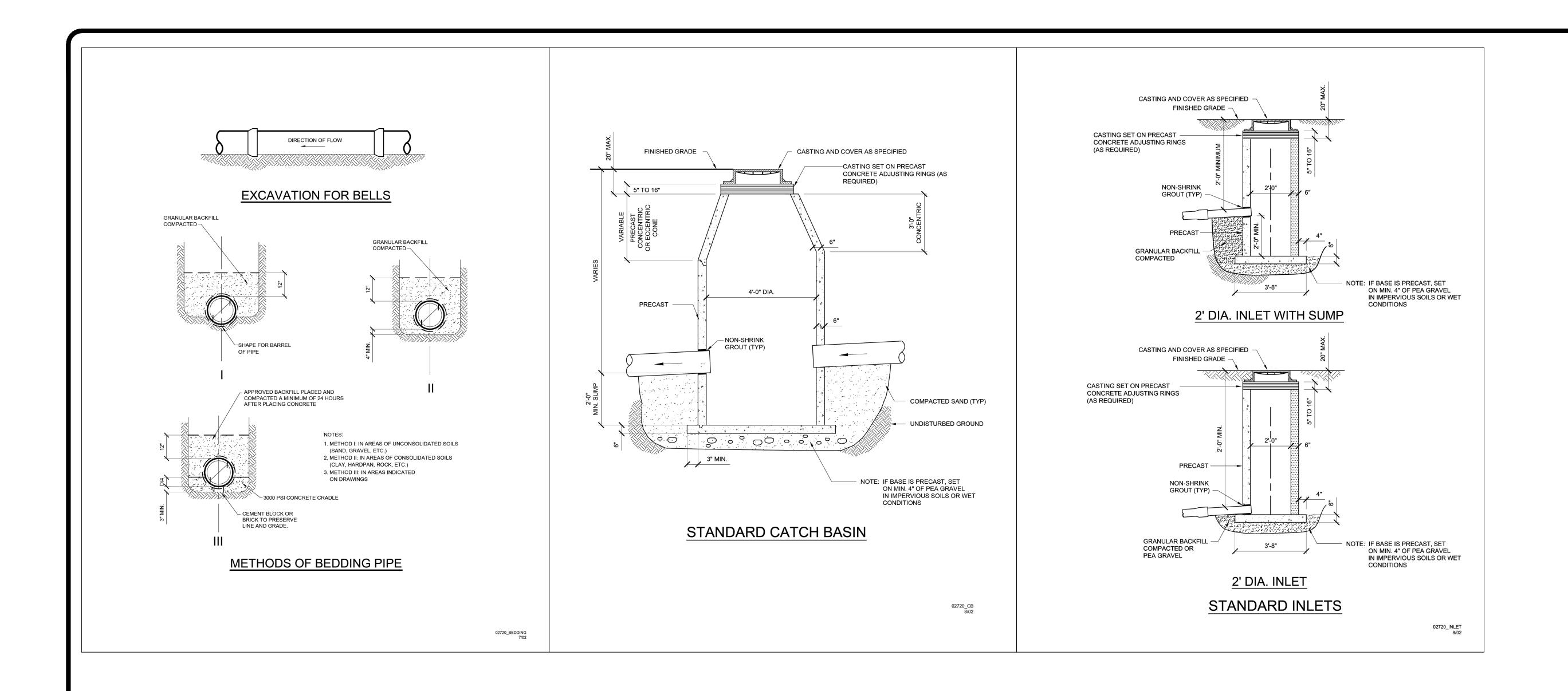
TYPE I: REINFORCED CONCRETE PIPE (RCP) CLASS III, WALL B PER ASTM C-76,

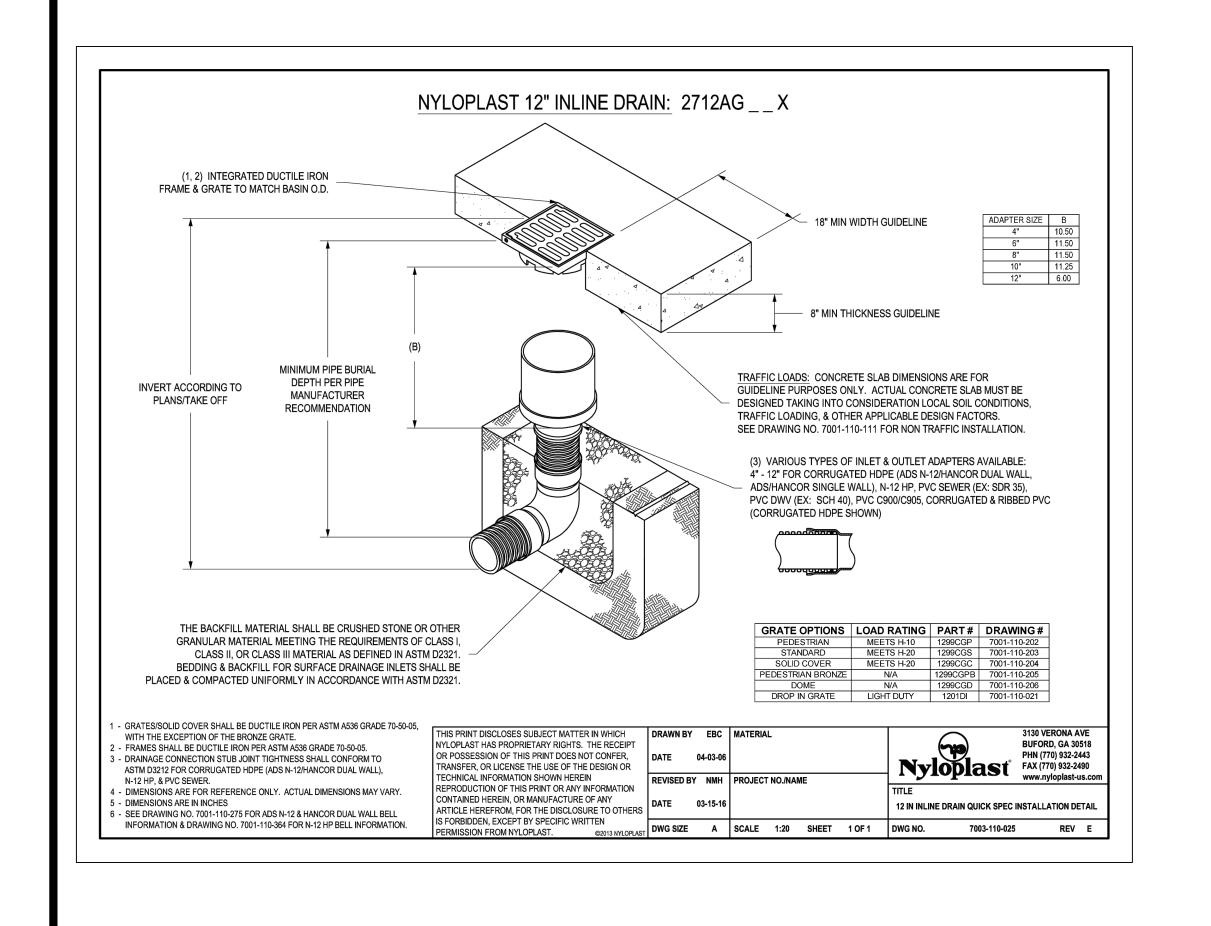
TYPE II: HIGH DENSITY POLYETHYLENE PIPE (HDPE) SMOOTH INTERIOR/ANNULAR EXTERIOR PER AASHTO M252 TYPE S, M294 TYPE S & MP7-97 TYPE S (UNLESS OTHERWISE NOTED, ALL PIPES 36" & LARGER TO BE RCP, ALL PIPES 30" AND SMALLER TO BE EITHER RCP OR HDPE)

PRIOR TO STARTING WORK, CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL EXISTING CONDITIONS. ALL EXISTING ITEMS THAT ARE IN CONFLICT WITH PROPOSED IMPROVEMENTS ARE TO BE RELOCATED/REMOVED AS NEEDED & CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION AND FOR INCLUDING ALL COSTS IN BASE BID. STORMDRAIN PROFILE

VERTICAL SCALE

SCALE [ = 20' HORIZONTAL SCALE

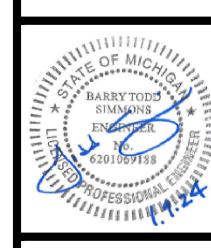




REVISIONS BY

ELLAND and KAUFFMAN, ING

Engineers \* Landscape Architects
209 West Stone Avenue
Greenville, South Carolina 29609
864-233-5497



ALLENDALE, MI - LAKE MICHIGAN Deugenheim Development services, Lic 3000 internet Bollevard, Suite 570 FRISCO, TX 75034 214-872-4000

NOTES:

I. ALL SITE WORK SHALL BE DONE IN ACCORDANCE WITH THE PLANS PREPARED BY FREELAND & KAUFFMAN, INC., THE CURRENT REQUIREMENTS OF ALLENDALE CHARTER TOWNSHIP, OTTAWA COUNTY AND ALL OTHER PERTINENT FEDERAL AND STATE LAWS.

2. THE CONTRACTOR SHALL COMPLY AT ALL TIMES WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, PROVISIONS, AND POLICIES GOVERNING SAFETY AND HEALTH, INCLUDING THE FEDERAL CONSTRUCTION SAFETY ACT (PUBLIC LAW 91-54), FEDERAL REGISTER, CHAPTER XVII, PART 1926 OF TITLE 29 REGULATIONS, OCCUPATIONAL SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION, AND SUBSEQUENT PUBLICATIONS UPDATING THESE REGULATIONS.

3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EXAMINING THE AREAS AND CONDITIONS UNDER WHICH THE PROJECT IS TO BE CONSTRUCTED PRIOR TO THE SUBMISSION OF A BID. SUBMISSION OF A BID SHALL BE CONSTRUED TO MEAN THE CONTRACTOR HAS REVIEWED THE SITE AND IS FAMILIAR WITH CONDITIONS AND CONSTRAINTS OF THE SITE.

4. BEFORE EXCAVATION, ALL UNDERGROUND UTILITIES SHALL BE LOCATED IN THE FIELD BY THE PROPER AUTHORITIES. THE CONTRACTOR SHALL NOTIFY "CALL BEFORE YOU DIG" AT 811. THE LOCATION OF ALL UTILITIES AND UNDERGROUND STRUCTURES ARE APPROXIMATE AND MAY NOT ALL BE SHOWN. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXISTENCE AND EXACT LOCATION OF ALL UTILITIES AND UNDERGROUND STRUCTURES.

5. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO BID AND PERFORM ALL UTILITY WORK IN COMPLIANCE TO ALL APPLICABLE LOCAL AND STATE CODES AND REGULATIONS.

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FEES ASSOCIATED WITH THE INSTALLATION, INSPECTING, TESTING AND FINAL ACCEPTANCE OF ALL PROPOSED UTILITIES CONSTRUCTION.

7. CONTRACTOR SHALL COORDINATE WITH THE APPROPRIATE UTILITY COMPANY ON THE ADDITION, REMOVAL AND/OR RELOCATION OF UTILITIES AND UTILITY POLES AND THE EXTENSION OF ALL PROPOSED UTILITIES TO THE BUILDING.

8. ALL UTILITIES SHALL BE INSTALLED IN ACCORDANCE WITH THE SPECIFICATIONS OF THE RESPECTIVE UTILITY COMPANY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE ALL UTILITIES ARE INSTALLED CORRECTLY TO MEET PROJECT REQUIREMENTS WHETHER PERFORMED BY THE CONTRACTOR OR

9. AN AS-BUILT DRAWING OF NEW UTILITY SERVICES SHALL BE PREPARED BY THE CONTRACTOR AND SUBMITTED TO THE OWNER UPON COMPLETION OF THE PROJECT.

IO. UTILITY COMPANIES AND CONTACTS ARE LISTED ON COVER SHEET.

II. CONTRACTOR SHALL REFER TO OTHER PLANS WITHIN THIS CONSTRUCTION SET FOR OTHER PERTINENT INFORMATION.

12. ALL FILL MATERIAL IS TO BE IN PLACE, AND COMPACTED BEFORE INSTALLATION OF PROPOSED UTILITIES.

13. CONTRACTOR SHALL NOTIFY THE UTILITY AUTHORITIES INSPECTORS 72 HOURS BEFORE CONNECTING TO ANY EXISTING LINE. UTILITY COMPANIES AND CONTACTS ARE LISTED ON THE COVER SHEET.

14. WATER LINES SHALL BE AS FOLLOWS:

DUCTILE IRON: ANSI A2I.50 AND ANSI A2I.51, CLASS 52.

15. SANITARY SEWER PIPE SHALL BE AS FOLLOWS:
POLYVINYL CHLORIDE (PVC): PIPE SHALL BE MANUFACTURED IN ACCORDANCE
WITH ASTM D 3034-SDR35 OR 26 OR ASTM D2680.

16. VALVES 12-INCHES AND SMALLER SHALL BE RESILIENT-SEATED WEDGE GATE

17. ALL UTILITIES SHOULD BE KEPT TEN (IO') APART (PARALLEL) OR WHEN CROSSING 18" VERTICAL CLEARANCE (OUTSIDE EDGE OF PIPE TO OUTSIDE EDGE OF PIPE).

18. THE BURY DEPTH FOR ALL WATER LINES SHALL BE 60" MINIMUM AND SEWER LINES SHALL BE 60" MINIMUM.

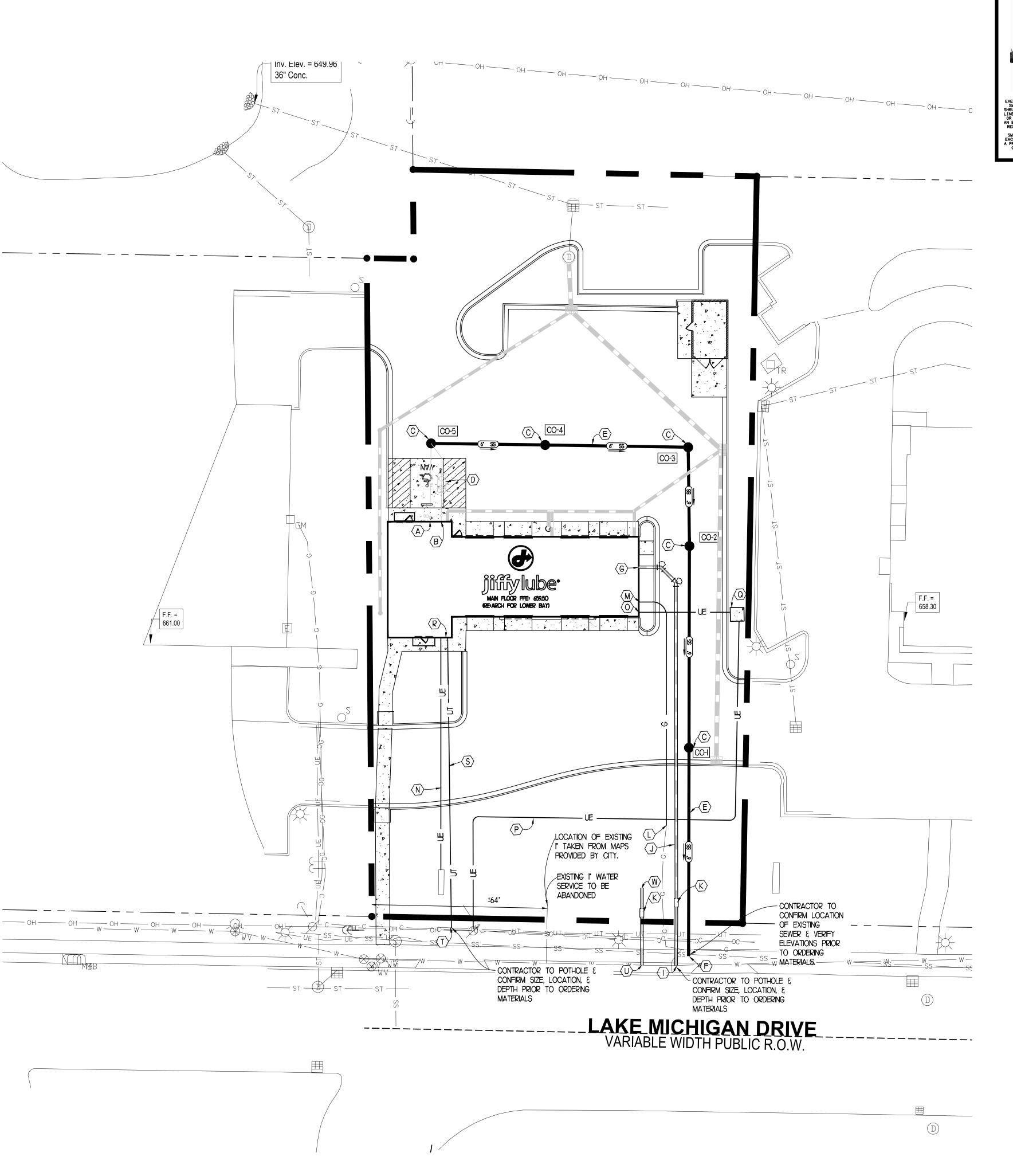
19. LINES UNDERGROUND SHALL BE INSTALLED, INSPECTED AND APPROVED BEFORE BACKFILLING.

20. TOPS OF EXISTING MANHOLES SHALL BE ADJUSTED AS NECESSARY TO BE FLUSH WITH PROPOSED PAVEMENT ELEVATIONS, AND TO BE ONE FOOT ABOVE FINISHED GROUND ELEVATIONS WITH WATER TIGHT LIDS.

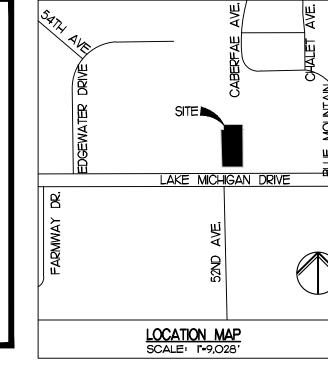
21. ALL CONCRETE FOR ENCASEMENTS SHALL HAVE A MINIMUM 28 DAY COMPRESSION STRENGTH AT 3000 P.S.I.

22. REFER TO INTERIOR PLUMBING DRAWINGS FOR TIE-IN OF ALL UTILITIES.

PRIOR TO STARTING WORK, CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL EXISTING CONDITIONS. ALL EXISTING ITEMS THAT ARE IN CONFLICT WITH PROPOSED IMPROVEMENTS ARE TO BE RELOCATED/REMOVED AS NEEDED & CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION AND FOR INCLUDING ALL COSTS IN BASE BID.







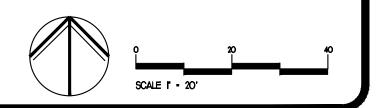
#### LEGEND

- 6" SANITARY SEWER EXIT (IE = 656.50'), RE: ARCH. FOR EXACT LOCATION
- (B) 6" OIL WASTE PIPING EXIT (IE = 656.50'), RE; ARCH. FOR EXACT LOCATION
- (C) SANITARY SEWER CLEAN-OUT
- $\langle \overline{D} \rangle$  OIL / WATER SEPERATOR (RE: ARCH)
- (E) 6" SANITARY SEWER LINE MIN. 2.00% SLOPE PER ALLENDALE CHARTER TOWNSHIP STANDARDS (TYP.)
- F TIE 6" SEWER SERVICE LINE TO EXISTING SANITARY SEWER MANHOLE PER ALLENDALE CHARTER TOWNSHIP STANDARDS & SPECIFICATIONS
- G I.5" DOMESTIC WATERLINE ENTRY (RE: ARCH. FOR EXACT LOCATION)
- (H) 1.5" DOMESTIC WATER METER PROVIDED BY ALLENDALE CHARTER TOWNSHIP. CONTRACTOR TO PAY REQUIRED FEES AND INSTALL METER.
- (I) 1.5" WATER TAP BY CONTRACTOR.
- (J) 1.5" WATER FROM MAIN TO BUILDING BY CONTRACTOR.
- K BACK FLOW PREVENTER (DOUBLE CHECK) IN ASSE 1013 RPZ PER PUBLIC UTILITIES STANDARDS
- CONTRACTOR TO COORDINATE GAS SERVICE TAP WITH DTE ENERGY & PAYMENT OF ALL APPLICABLE FEES. DTE ENERGY SETS THE METER & MAKES THE TAPS
- GAS SERVICE ENTRY (RE: ARCH, FOR EXACT LOCATION).
  CONTRACTOR RESPONSIBLE FOR COORDINATION OF GAS
  METER INSTALLATION BY GAS COMPANY.
- $\langle N \rangle$  (1) 2" CONDUIT FOR SIGN
- O ELECTRIC ENTRY (RE: ARCH. FOR EXACT LOCATION)
- P UNDERGROUND ELECTRIC IN 2-1/2" CONDUIT FROM JIFFY LUBE BUILDING TO TRANSFORMER BY CONSUMERS ENERGY.
- Q TRANSFORMER PAD BY CONTRACTOR AS PER CONSUMERS ENERGY STANDARDS & SPECIFICATIONS.
- $\left\langle \mathbb{R} \right\rangle$  TELEPHONE ENTRY. (RE: ARCH. FOR EXACT LOCATION)
- (2) 2" ID SCHEDULE 40 CONDUITS FOR TELEPHONE.
  CONTRACTOR PROVIDES & INSTALLS CONDUITS AT&T
  TELEPHONE COMPANY PROVIDES AND PULLS THE
  TELEPHONE CABLE(S).
- CONTRACTOR TO COORDINATE TELEPHONE SERVICE CONNECTION & PAYMENT OF ALL APPLICABLE FEES.
- U I.5" WATER TAP BY CONTRACTOR FOR SITE IRRIGATION.
  (ACTUAL SIZE TO BE DETERMINED PER DESIGN BUILD IRRIGATION PLAN)
- **>** -
- W WATER BY CONTRACTOR FOR SITE IRRIGATION. SIZE PER DESIGN BUILD IRRIGATION PLAN.

I" WATER SERVICE PRESENT 64' FROM SOUTH-WEST PROPERTY STAKE NEEDS TO BE ABANDONED. CONTRACTOR TO COORDINATE WITH ALLENDALE UTILITIES.

CONTRACTOR TO PROVIDE DESIGN/BUILD
IRRIGATION PLAN AS PER ALLENDALE
CHARTER TOWNSHIP ZONING ORDINANCE
(ARTICLE 24, SECTION 24.05F7)





REVISIONS BY

and KAUFFMAN, INC 3rs \* Landscape Architects .09 West Stone Avenue nville, South Carolina 29609

BARRY TODU

\* SIMMONS

ENCHOER

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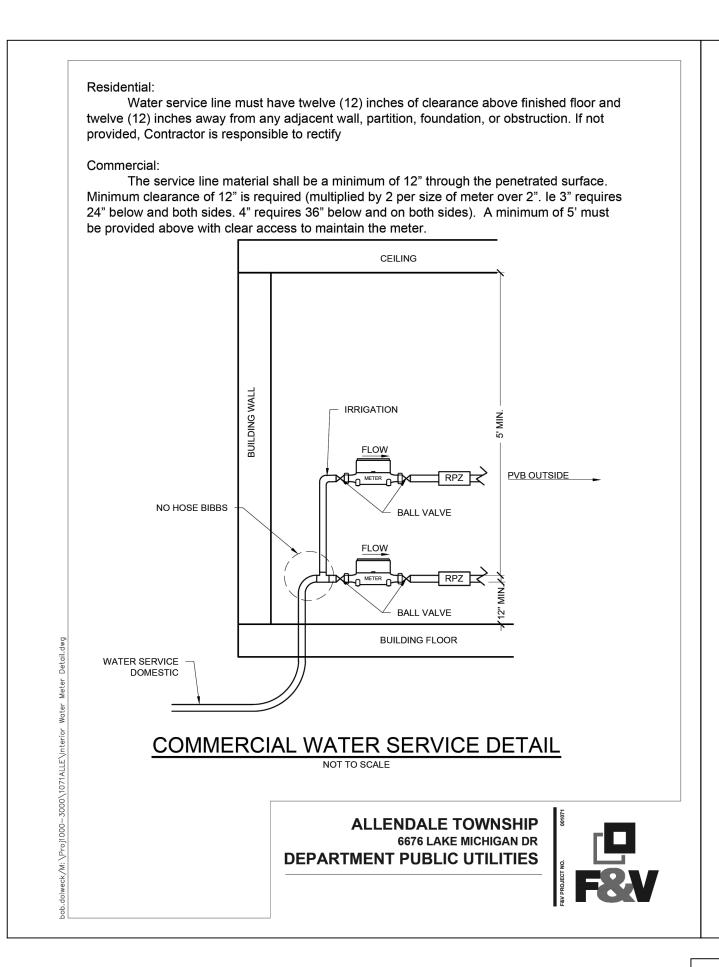
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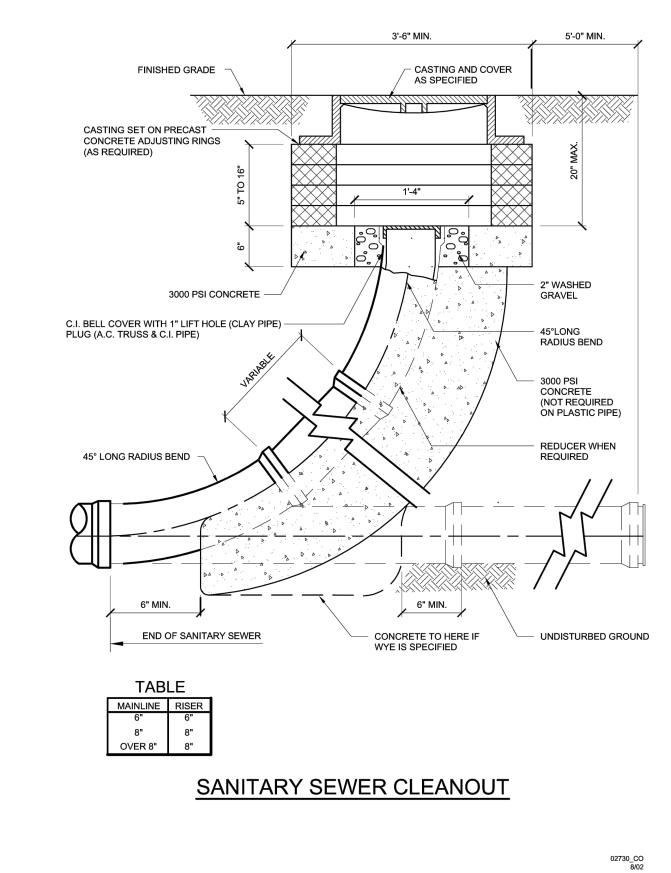
LENDALE, MI - LAKE MICHIGAN

SOOD INTERNET BOLLE STORY

SOOD INTERNET BOLL EVARD, SLITE 570

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SECTION 2661

#### REMOVAL/ABANDONMENT OF WATER SERVICES

#### **PART 1 - GENERAL**

#### 1.01 SUMMARY:

- A. This Section includes the work required for the removal of one or more water service(s)
- from the water main to the curb stop valve and box and appurtenant work. B. This Section includes the work required for the abandonment of one or more water service(s) from the water main to the curb stop valve and box and appurtenant work.

#### 1.02 REFERENCES:

- A. AWWA American Waterworks Association, latest edition.
- B. ANSI American National Standards Institute, latest edition.
- C. ASTM American Society Testing Materials, latest edition.
- D. Recommended Standards for Water Works Ten State Standards, latest edition

#### 1.03 SUBMITTALS:

- A. Submit the following for review by TOWNSHIP DPU or TOWNSHIP'S ENGINEER: 1. Product Data on material used to plug/seal at the corporation stop at the Water Main
- and/or at the Curb Stop Valve and Box. 2. Proposed equipment and method for flushing, pressure testing, leakage testing and chlorination as needed to ascertain Water Main meets TOWNSHIP Standards for
- 3. Submittals must be approved prior to construction.
- B. Report witness measurements on valves, fittings and curb boxes that are exposed and left in place (in-situ) during removal/abandonment. 1. Provide measurements from two permanent fixtures such as building corners, power
- poles and trees 8-inch diameter and larger. C. Provide certifications on material used to plug/seal Water Main, Corp Stop and/or Curb
- Stop indicating conformance to specifications prior to installation.
- D. Submittal of drawings of record plans to: . Provide the Township Hall two (2) printed sets and one (1) electronic file
- 2. Provide the Township Engineer (1) one electronic file with as-constructed dimensions

#### 3. Provide Township Utilities Superintendent (1) one electronic file 1.04 JOB CONDITIONS:

- A. Interrupting Water Service(s):
- REF SECTION 02660 WATER MAINS 1.04
- Where removal of the water service to the water main is required, the existing water
- main shall be sealed in such a manner as to prohibit dirt and foreign material from

WATER SERVICE REMOVAL/ABANDONMENT

- entering. Materials used shall be approved by the TOWNSHIP. The plug/seal shall be provided and installed by the Contractor, as directed by the TOWNSHIP. Prevent contamination of existing water mains.
- B. Clean up promptly upon completion or safely secure site if work not completed in one (1) work day. Clean up shall include backfill, rough grading and restoration of grounds. REF SECTION 02220 – EXCAVATING, BACKFILLING AND COMPACTING.
- C. Contractor is solely responsible for confirming actual soil conditions and depth of water
- D. Pavement, sidewalk, curbs or gutters removed or destroyed in connection with performance of the work shall be saw cut as directed by the TOWNSHIP and shall be replaced with pavement, sidewalks, curbs, gutters of the same kind, or better by the Contractor in accordance with TOWNSHIP Standards.
- E. Granular Subbase and Aggregate Base shall be placed beneath the restored pavement to TOWNSHIP Standards.
- F. All materials, salvaged or furnished by Contractor, shall meet TOWNSHIP Standards.
- G. Areas of work shall be restored to conditions prior to water service removal or better.
- H. No water services are to be abandoned in place unless directed by the TOWNSHIP or TOWNSHIP Engineer.
- I. Removal/Abandonment not allowed when air temperature is 25 degrees F or colder or when determined too cold by TOWNSHIP.
- J. Salvage all existing water meter, transponder, if applicable, and meter valves {inlet & outlet} (either side of water meter) and curb boxes removed and deliver to the TOWNSHIP's yard.
- K. Demolition Permit 1. Contractor to have at least \$500,000 personal injury and property damage insurance.
- L. Ownership of debris TOWNSHIP has first right to surplus materials.
- 2. The Contractor is directly and solely responsible for disposal of surplus and unsuitable

#### PART 2 - PRODUCTS

#### 2.01 GENERAL:

- A. REFER TO SECTION 02660 WATER MAINS
- B. REFER TO SECTION 02220 EXCAVATING, BACKFILLING AND COMPACTING
- C. All materials must conform to TOWNSHIP, OTTAWA County Health Department and the Michigan Department of Environmental Quality (MDEQ).

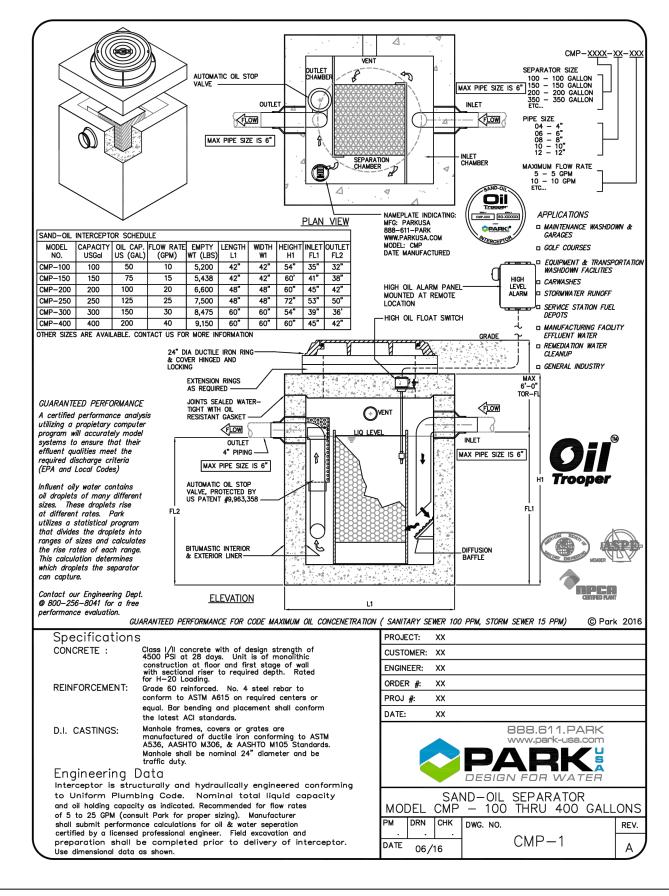
WATER SERVICE REMOVAL/ABANDONMENT

Here are the specs for the sump we intend to spec.

#### ESP-1 EXTERIOR STORM WATER SUMP PUMP

\*BJM J22-208T 3" NON-GRINDER PUMP SYSTEM FOR DRAINAGE AROUND FOUNDATION TO BE INSTALLED BELOW GRADE. COORDINATE LOCATION PER SITE CONDITIONS. REFER TO PLUMBING PLAN - LOWER BAY ON SHEET P-2 FOR ADDITIONAL INFORMATION. 208 V / 3 PH, DIRECT WIRED, CONCRETE BASIN, JACKEL RAIL SYSTEM, TRAFFIC RATED COVER, FLOAT SHUT-OFF, CHECK VALVE AND SHUT-OFF VALVE PER LOCAL CODE.

SUMP-PUMP SPECS



#### PART 3 - EXECUTION

#### 3.01 PREPARATION:

- A. Contractor shall make proper provisions for the maintenance and continuation of utility services to surrounding properties as directed by the TOWNSHIP or TOWNSHIP Engineer, unless otherwise specified.
- B. Properties may have more than one water service. Determine their locations prior to excavation.

- 1. Notify TOWNSHIP DPU or TOWNSHIP's ENGINEER and to obtain instructions to proceed where there is a discrepancy, or an obstruction not shown on plans.
- 2. Verify location and depth of existing utilities in advance of removal/abandonment. Provide the Township with GPS coordinates to all abandoned corporation stops.

#### D. Bedding: Method: See Article 3.06 SCHEDULES.

- Provide bedding area backfill in accordance with MDOT Standard Plan R-83C. 3. Provide continuous bearing supporting entire length of exposed water main evenly, when exposed.
- E. Cleaning Pipe and Fittings: 1. Provide interior free of foreign material and joint surfaces free of lumps and blisters.

#### 3.02 REMOVAL/ABANDONMENT:

- A. General: Meet requirements of AWWA C600 and these specifications.
- B. Determine status of property:
- 1. Occupied contact TOWNSHIP to report status and receive instructions on how to
- 2. Unoccupied proceed with removal/abandonment.
- C. REF SECTION 02660 WATER MAINS
- D. Provide and place traffic and pedestrian traffic barriers, as necessary.
- E. For water service removal from water main to curb stop box:
- 1. Remove existing water service and leave corporation stop in place. 2. Use a Ford or equivalent Tube Nut, Copper Gasket and Brass Corp Stop Plug. Prior to backfilling the abandoned corporation, the Township must inspect and give approval. Should the corp leak, the corp must be removed and the water main should
- be plugged using a plug/seal approved by the Township. 3. If the corp is located within a saddle on the water main and requires removal, a Smith-Blair (or equivalent) repair clamp must be furnished by the contractor and installed.
- 4. If shutting down the water main is necessary to complete the disconnect, the Township
- and residents must be notified at least 24 hours in advance. 5. Excavate and remove water service and Curb Valve Stop and Box to five (5) feet
- outside of the ROW. 6. Witness location of plugged service tap.
- WATER SERVICE REMOVAL/ABANDONMENT

- 7. Backfill in accordance with MDOT Standard Plan R-83C prior to starting water service removal/abandonment on private property.
- Salvage water meter, transponder, if applicable, and meter valves (inlet & outlet) (either side of water meter). Return to TOWNSHIP.
- 9. Backfill and grade in accordance with MDOT Standard Plan R-83C and SECTION 02220 - EXCAVATING, BACKFILLING AND COMPACTING
- F. Remove and dispose of abandoned pipe, valves and boxes, or other appurtenances, as necessary for the removal/abandonment of the water service at no cost to the TOWNSHIP.
- 3.03 FIELD QUALITY CONTROL: REF SECTION 02660 WATER MAINS 3.03
- A. Contractor performing the work shall give the Township 48 hours' notice of water service
- abandonment/removal for inspection.
- 3.04 FLUSHING: REF SECTION 02660 WATER MAINS 3.04
- 3.05 DISINFECTION: REF SECTION 02660 WATER MAINS 3.05

#### 3.06 SCHEDULES:

- A. Standard Details: . Methods of bedding pipe
- . Copper service lead connection / sample point Underground utilities detail
- B. Water/Sewer Leakage & Pressure Testing Report Form.

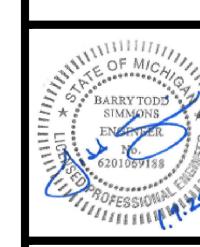
The unit price includes the cost of structure repairs to remove water service, sawing, removal and disposal; providing, placing and compacting backfill and providing and placing replacement soil or base material(s) as determined by the TOWNSHIP.

**END OF SECTION** 

WATER SERVICE REMOVAL/ABANDONMENT

UTILITY DETAIL

REVISIONS BY



AS NOTED DRAWING

DRAWN

CHECKED BTS DATE 01/09/2024

PLASTIC SHEETING OR TEMPORARY ROOFS TO BE USED TO COVER BUILDING MATERIALS, BUILDING PRODUCTS, CONSTRUCTION WASTES, TRASH, LANDSCAPE MATERIALS, FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS, SANITARY WASTE, AND OTHER MATERIALS IN ORDER TO MINIMIZE EXPOSURE TO PRECIPITATION AND TO STORMWATER.

CATCH BASINS WILL BE USED TO TRANSPORT THE STORMWATER TO THE REGIONAL DETENTION FACILITY.

NO WETLANDS OR STATE WATERS ARE LOCATED ON AND/OR WITHIN 200 FEET OF THE PROJECT SITE.

CONTROLLING OF THE POLLUTANTS FROM CONSTRUCTION ACTIVITIES ON THE SITE WILL BE DONE BY INSTALLATION OF PROPRIETARY WATER QUALITY DEVICE(S) AND THE PROPOSED DRY DETENTION BMP.

NOTE: "AMENDMENTS/REVISIONS TO THE ESEPC PLAN WHICH HAVE SIGNIFICANT EFFECT ON BMP'S WITH HYDRAULIC COMPONENTS MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL."

NOTE: ANY FILL MATERIAL SUPPORTING STRUCTURAL LOADS SHALL BE ENGINEERED WITH PROPER DOCUMENTATION INCLUDING GEORGIA REGISTERED P.E. STAMP. SUBMIT DOCUMENTATION TO THE CHEROKEE COUNTY BUILDING DEPARTMENT PRIOR TO FOUNDATION INSPECTION.

NOTE: THE DESIGN PROFESSIONAL WHO PREPARED THE ESEPC PLAN IS TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMPS WITHIN 7 DAYS AFTER INSTALLATION.

NOTE: "EROSION CONTROL MEASURES WILL BE MAINTAIN AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROPSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE."

NOTE: "WASTE MATERIALS SHALL NOT BE DISCHARGED TO THE WATER OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT."

FLOOD INFORMATION: FLOOD ZONE "X" (MINIMAL FLOOD HAZARD) PER FEMA MAP NO. 26139CO231E EFFECTIVE DATE: DECEMBER 16, 2011

RECEIVING WATERS: INITIAL RECEIVING WATERS: REGIONAL DETENTION TANK

NOTE: WATER QUALITY WILL BE ADDRESSED BY INSTALLATION OF A PROPRIETARY WATER QUALITY DEVICE ON THE DRY DETENTION POND OUTFALL PIPE.

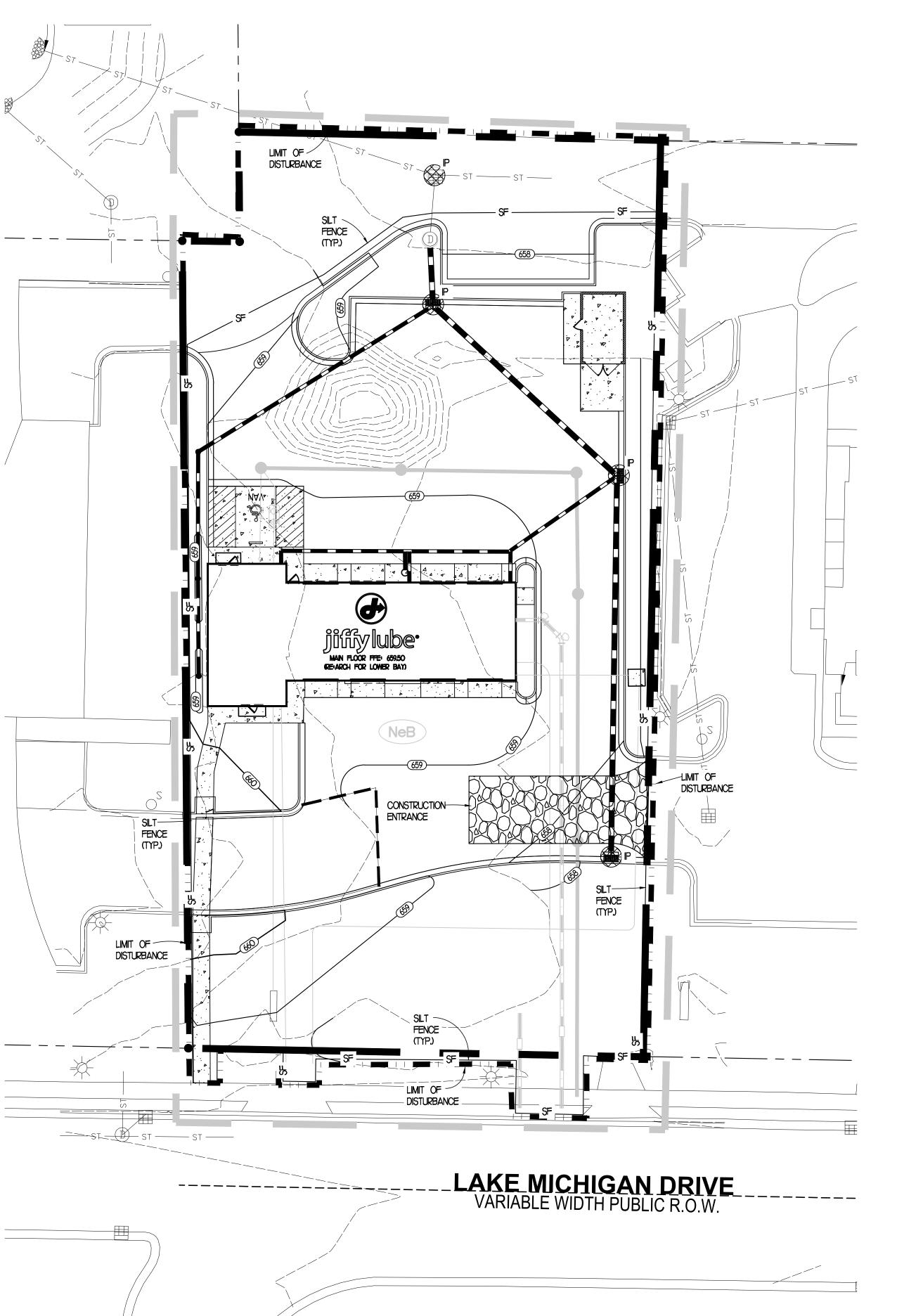
NOTE: ALL DRAINAGE STRUCTURES SHALL BE BUILT ACCORDING TO DOT STANDARDS.

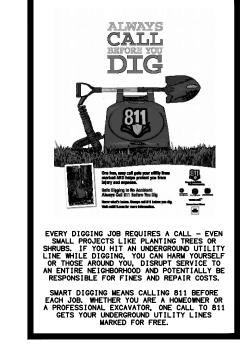
NOTE: "THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES.."

ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 7 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING

CONSTRUCTION SCHEDULE								
ACTIVITY	MONTH 1	MONTH 2	монтн з	MONTH 4	MONTH 5			
MAINTAIN EROSION CONTROL BMP'S	xxxxxx	xxxxx	xxxxx	XXXXXX	xxxxxx			
CLEARING AND GRUBBING FOR PERMINENT CONTROLS	xxxxxx							
CONSTRUCTION OF PERMINENT CONTROLS	xxxxx							
DEMOLITION OF ANY EXISTING BUILDING AND PAVEMENT	xxxxxx							
IMPLEMENT PHASE SEQUENCING AND VERIFCATION PROCESS	xxxxxx							
INSTALL TEMPORARY SEDIMENT BASIN AND REMAINING BMP'S	xxxxxx							
ROUGH GRADING	xxxxxx	xxxxxx						
INSTAL SEWER, WATER AND STORM DRAIN SYSTEMS		xxxxx	xxxxxx					
BEGIN BUILDING PAD AND BUILDING CONSTRUCTION			xxxxxx	xxxxxx				
INSTALL CURBING, AND PREPARE PARKING LOT FOR PAVING			xxxxxx	xxxxxx				
BEGIN PAVING				XXXXXX	XXXXXX			
SEEDING AND/OR LANDSCAPING				xxxxx	xxxxx			
REMOVAL OF EROSION CONTROLS					XXXXXX			

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#### CONSTRUCTION SEQUENCE

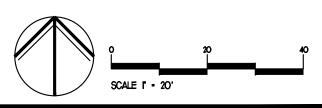
- NOTIFY OCWR SESC OFFICE AND HOLD REQUIRED PRE-CONSTRUCTION MEETING. ALL CONTRACTORS MUST ATTEND THE PRE-CONSTRUCTION MEETING.
- INSTALL TEMPORARY CONSTRUCTION ENTRANCE. CLEAR & GRUB TO INSTALL SILT FENCE
- INSTALL SILT FENCE AS SHOWN.
- CALL FOR REQUIRED 7-DAY INSPECTION. INSTALL TEMPORARY SEEDING & MULCH STABILIZATION TO ALL AREAS
- WHERE WORK WILL BE CEASED FOR A PERIOD OF MORE THAN 7 DAYS.
- CONTINUALLY INSPECT & MAINTAIN ALL BMP'S. BEGIN MASS GRADING AND CONSTRUCT BUILDING PAD.
- INSTALL STORM DRAIN (WITH INLET PROTECTION), SEWER, WATER, & GAS. 10. BEGIN GRADING REMAINDER OF PROJECT AREA, AND PREPARE PARKING
- AREA FOR CURBING & PAVING. INSTALL CURBING. APPLY PERMANENT SEEDING TO ALL AREAS AS SOON AS THEY ARE
- COMPLETE, DO NOT WAIT UNTIL JOB COMPLETION TO PERMANENTLY SEED DISTURBED AREAS. 12. BEGIN FINE GRADING OF ALL PARKING AREAS. STONE BASE SHALL BE INSTALLED IN ALL PAVED AREAS AS SOON AS PRACTICABLE.
- CONSTRUCTION EXIT SHALL BE REMOVED ONLY ONCE THE PARKING LOT HAS BEEN STABILIZED WITH STONE BASE.
- PAVE SITE AND COMPLETE SIDEWALKS, PLANTINGS, & ETC. REMOVE TEMPORARY BMP'S AS SOON AS THEIR CONTRIBUTING DRAINAGE AREAS HAVE BEEN STABILIZED. SEED AND MULCH AND DISTURBANCE FROM
- REMOVAL OF BMP'S. 15. CONTACT OCWR SESC OFFICE FOR FINAL INSPECTION.

#### **GENERAL NOTES:**

- I. ADDITIONAL EROSION CONTROL DEVICES TO BE USED AS REQUIRED BY OCWR SESC
- 2. DISTURBED AREAS LEFT FOR TWO TO FOUR WEEKS, AND NOT TO FINAL GRADE, WILL BE ESTABLISHED TO TEMPORARY VEGETATION (Ds2), DISTURBED AREAS LEFT IDLE FOR FOUR WEEKS OR MORE WILL BE ESTABLISHED TO PERMANENT VEGETATION (Ds3 OR Ds4). ALL AREAS TO FINAL GRADE WILL BE ESTABLISHED TO PERMANENT VEGETATION WITHIN TWO WEEKS.
- 3. WHEN HAND PLANTING, MULCH (HAY OR STRAW) SHOULD BE UNIFORMLY SPREAD OR SEEDED AREAS WITHIN 24 HOURS OF SEEDING.
- DURING UNSUITABLE GROWING SEASONS, MULCH WILL BE USED AS A TEMPORARY
- COVER (Dsl). ON SLOPES THAT ARE 4:1 OR STEEPER, MULCH WILL BE ANCHORED. OCWR SESC OFFICE LAND DISTURBANCE PERMIT MUST BE DISPLAYED ON SITE AT ALL
- TIMES DURING CONSTRUCTION AND IN PLAIN VIEW FROM A COUNTY ROAD OR STREET. EROSION AND SEDIMENT CONTROL DEVICES MUST BE INSTALLED AND INSPECTED PRIOR
- TO ANY GRADING ON SITE, CALL (616) 892-3117 FOR INSPECTION. SEDIMENT/EROSION CONTROL DEVICES MUST BE CHECKED BY THE DEVELOPER AFTER EACH STORM EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT
- ACCUMULATION HAS REACHED IN HALF THE CAPACITY OF THE DEVICE. 8. OWNER / DEVELOPER TO EXECUTE MAINTENANCE AGREEMENT FOR COMMERCIAL AND
- OR PRIVATE PONDS AT OR BEFORE C.O. 9. WATER QUALITY (WQ) FEATURES TO BE INSTALLED AT 80% BUILD-OUT OR END OF

IO. DEVELOPER SHALL ATTEND A PRE-CONSTRUCTION CONFERENCE AT THE PROJECT SITE WITH REPRESENTATIVES OF OCWR SESC OFFICE.

ESC PLAN

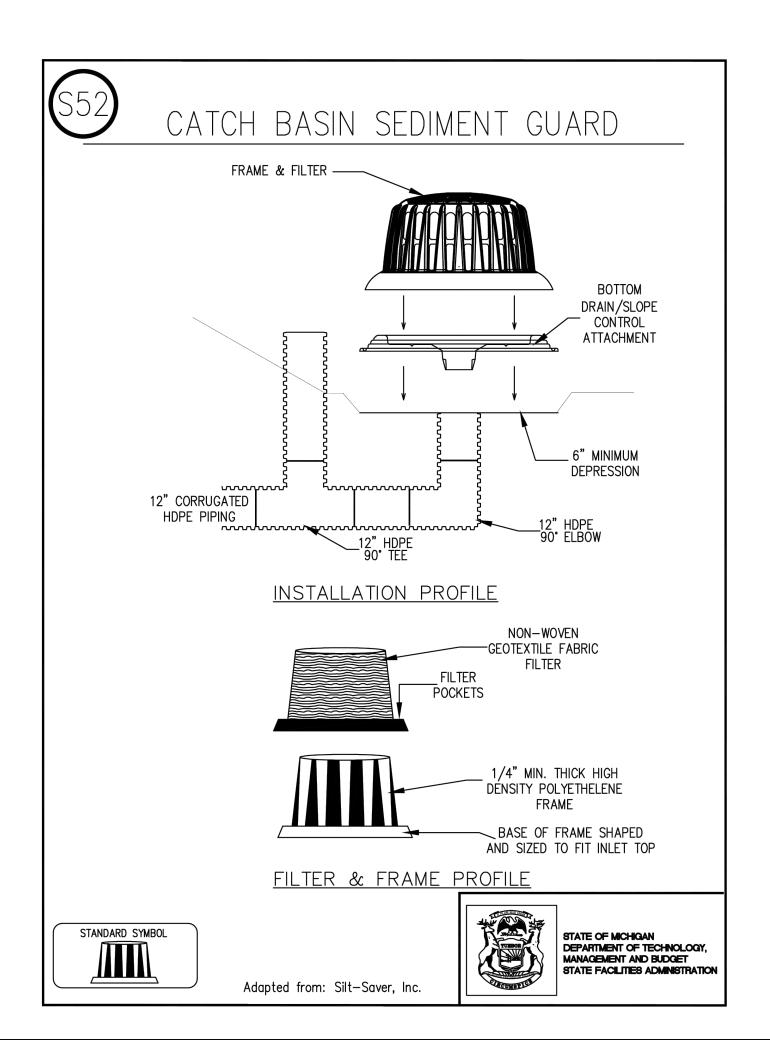


REVISIONS BY



**PR** 

DRAWN CHECKED BTS 01/09/2024 AS NOTED DRAWING





When

• On construction sites when incomplete stormwater systems require protection from sediment—laden stormwater.

• To prevent sediment from entering stormwater systems.

Where • Use on construction sites for unfinished stormwater inlets.

1. Excavate approximately 4"-6" below the top of the inlet structure.

2. Place the frame onto the inlet structure, ensure the frame covers the structure completely.

3. Slide the filter over the frame.

4. Fill the filter pockets with soil, gravel or equivalent. The filter pockets should be completely filled to ensure a good seal between the ground and inlet structure.

5. Back—fill around the frame and filter assembly is not required to complete installation, though it may be necessary to complete excavation requirements for the site.

Maintenanc

• Sediment removal from the filter is necessary when the sediment build—up reaches a point of 65% of the total height of the frame or approximately 7" — 9" of the non—woven filter fabric is showing.

 Remove the material by hand or mechanically, paying attention not to damage the frame or filter.

 Brush, sweep, or wash filter and frame and inspect for any damage. Replace filter and/or frame as needed.

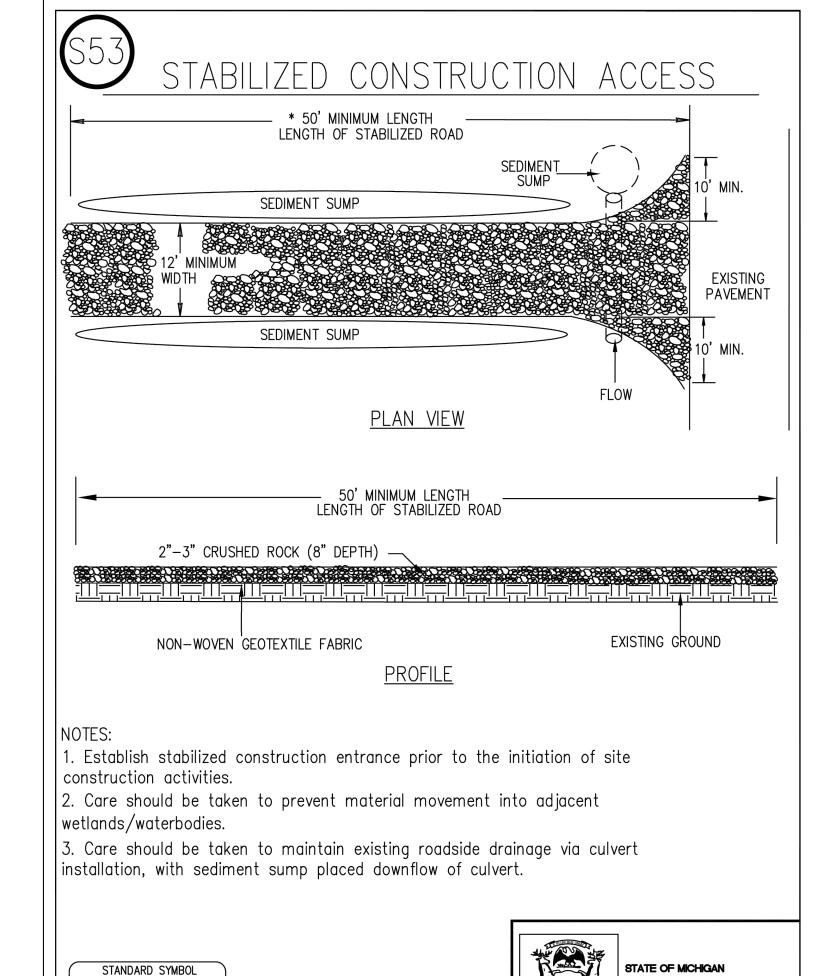
• If filter or frame is replaced, remember to refill filter pockets and back—fill as required by site conditions.

Limitations

• Not a permanent sedimentation control method.

• Only suitable for use on structural stormwater outlets.









STATE OF MICHIGAN
DEPARTMENT OF TECHNOLOGY,
MANAGEMENT AND BUDGET
STATE FACILITIES ADMINISTRATION

## STABILIZED CONSTRUCTION ACCESS S53

- Construction traffic is expected to leave a construction site.
- Stabilization of interior construction roads is desired.
- Why

   To minimize tracking of sediment onto public roadways and to minimize disturbance of vegetation.
- Where

   Stabilized construction entrances shall be located at every point where construction traffic enters or leaves a construction site.

  Vehicles leaving the site must be routed over the rock
  - ingress/egress corridor.1. Stabilized construction access road should be established at the onset of the construction activities and maintained in place for the duration of the construction project.
  - 2. Installation of this practice should be the responsibility of the site clearing or excavating contractor.
  - 3. Access location should be cleared of woody vegetation.
  - 4. Non-woven geotextile fabric shall be placed over the existing ground prior to placing stone.
  - 5. Access size should be a minimum of 50'. (30' for single residence lot).
  - 6. Access width should be 12' minimum, flared at the existing road to provide a turning radius.
  - 7. Crushed aggregate (2" to 3"), or reclaimed or recycled concrete equivalent, shall be placed at least 8" deep over the length and width of the ingress/egress corridor.
- Maintenance Periodic inspection and needed maintainence shall be provided after each rain event.
  - Stabilized entrances shall be repaired and rock added as necessary.





Maintenance • Sediment deposited on public rights—of—way shall be removed (cont.)

- If soils are such that washing of tires is required, it shall be done in a wash rack area, stabilized with stone, immediately prior to the construction access stabilized corridor.
- At the project completion, rock access road should be removed and disposed of unless utilized as subgrade for final road.

Limitations • Effectiveness limited, sediment may be tracked onto roads requiring additional action.



ESC DETAIL 1 OF 2

REVISIONS BY

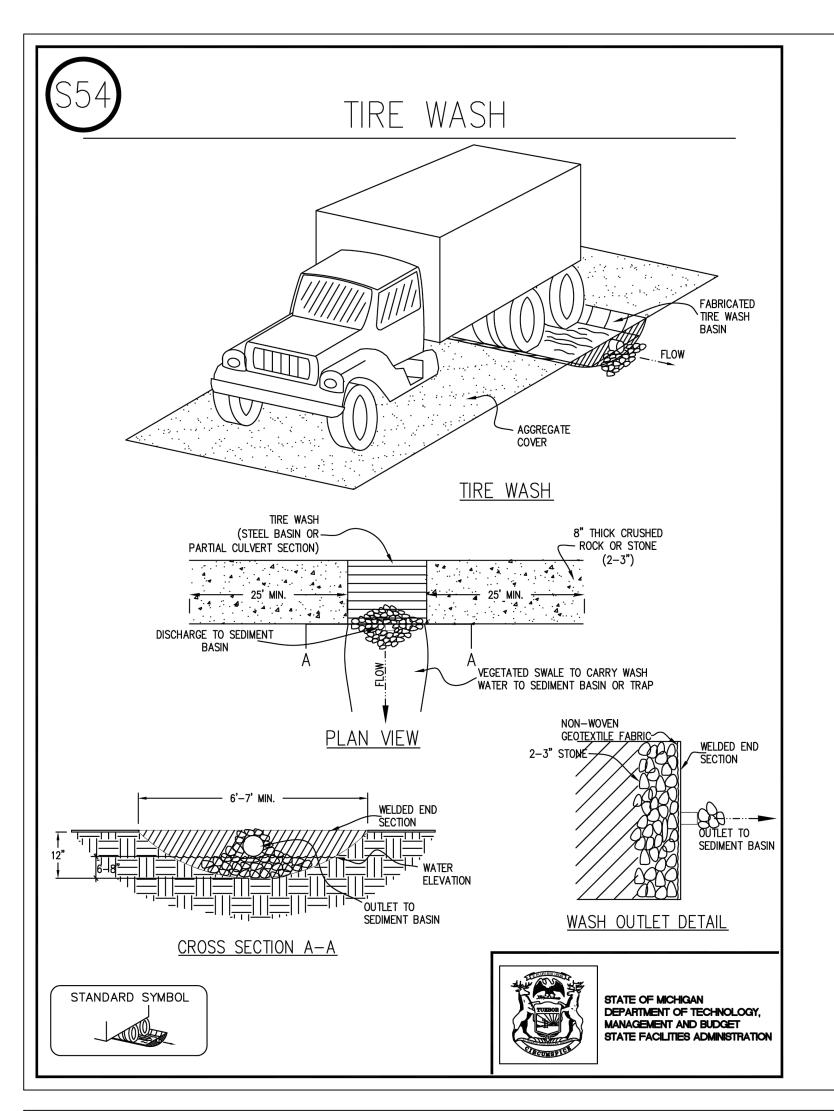
ELAND and KAUFFMAN, INC

Engineers \* Landscape Architects
209 West Stone Avenue
Greenville, South Carolina 29609
864-233-5497



ALLENDALE, MI - LAKE MICHIGAN E GUGGENHEIM DEVELOPMENT SERVICES, LLC 3000 INTERNET BOLLEVARD, SUITE 570 FRISCO, TX 75034

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#### TIRE WASH SPECIFICATIONS



• Whenever traffic will be entering or leaving a construction site with soil capable of clinging onto construction vehicles; resulting in tracking of mud onto paved roads.

• Reduces excessive sediment tracking of soil onto paved roads.

• As an addition to aggregate construction entrances.

Where

How

1. Construct tire wash on level ground at minimum length of 6'-7', a minimum of 10' wide to match width of aggregate

2. Construct 25' minimum approaches to tire wash with minimum 8" thickness of 2-3" stone.

3. Construct tire wash of partial culvert section or fabricated metal. Weld metal plates to culvert ends to contain water.

4. Provide outlet on one end of tire wash to allow excess water to drain. Outlet invert should be located 6-8" above bottom of tire

5. Within tire wash structure, protect outlet pipe with non-woven geotextile fabric and 2-3" stone to prevent sediment discharge.

6. Protect swale with 2-3" stone on non-woven geotextile fabric.

7. Fill tire wash basin with water daily or when water depth is reduced to 1/2 the distance between basin bottom and outlet

8. Wash rack discharges should be directed into a sediment basin through a vegetated channel.

9. Remove sediment accumulation daily.





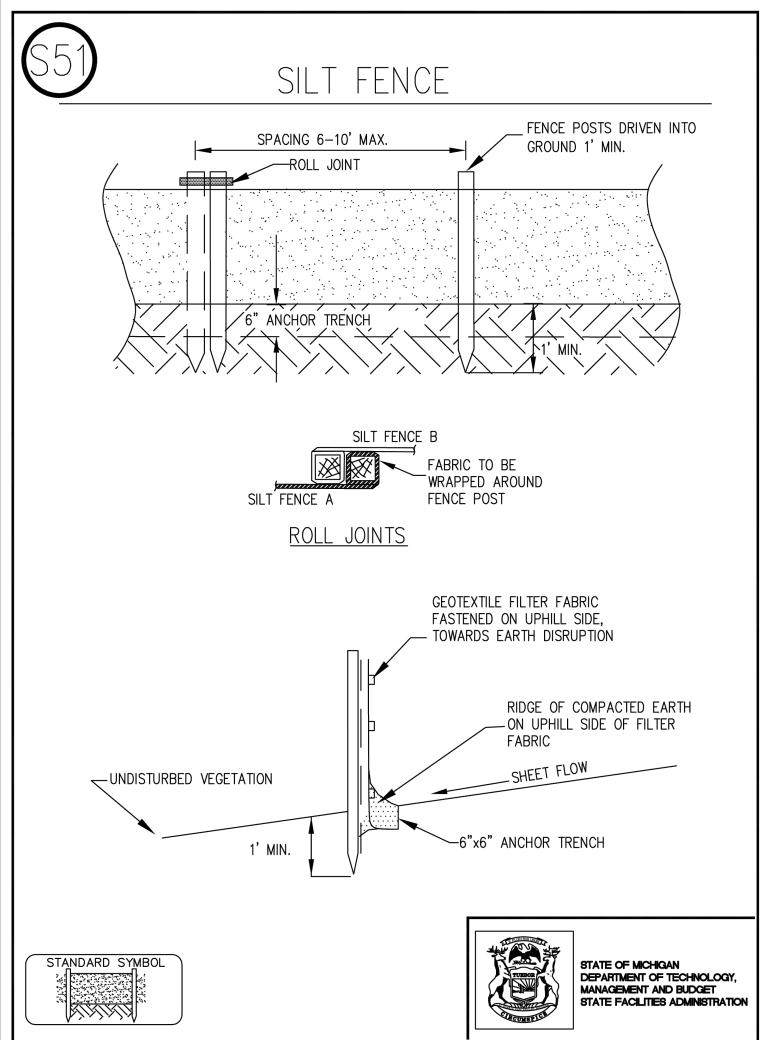
#### TIRE WASH SPECIFICATIONS

- Sediment accumulation in wash shall be removed regularly and placed into proper disposal location.
- Maintain to specified dimensions by adding approach rock when necessary each day.
- Monitor water levels throughout working hours.
- Discharge swale should be inspected regularly to ensure tire wash discharge path is maintained to receiving sediment basin.
- Damage to tire wash shall be repaired prior to additional use

Limitations

- Requires daily maintenance.
- May not clean tire tread completely.





#### SILT FENCE SPECIFICATIONS



- A temporary measure for preventing sediment movement.
- Used to prevent sediment suspended in runoff from leaving an earth

• Use adjacent to critical areas, wetlands, base of slopes, and Where

- How 1. Install parallel to a contour.
  - 2. The silt fence should be made of woven geotextile fabric.
  - 3. Silt fence should accomodate no more than 1/2 to 1 acre of drainage per 100' of fence.
  - 4. Dig a 6" trench along the area where the fence is to be installed.
  - 5. Place 6" of the silt fence bottom flap into the trench.
  - 6. Backfill the trench with soil and compact the soil on both sides. Create a small ridge on the up—slope side of the fence.
  - 7. Install wooden stakes 6 10 apart and drive into the ground a minimum of 12".
  - 8. Staple the geotextile fabric to the wooden stakes.
  - 9. Join sections of silt fence by wrapping ends together (See drawing).

When

- Maintenance Inspect frequently and immediately after each storm event. Check several times during prolonged storm events. If necessary, repair
  - If the sediment has reached 1/3 the height of the fence, the soil should be removed and disposed of in a stable upland site.
  - The fence should be re—installed if water is seeping underneath it or if the fence has become ineffective.
  - Silt fence should be removed once vegetation is established and up—slope area has stabilized.





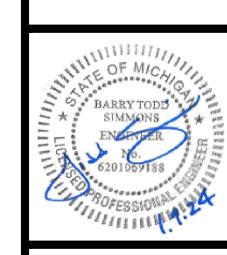
#### SILT FENCE SPECIFICATIONS

- Silt fence may cause temporary ponding and could fail if too much water flows through the area.
- Do not use in areas with concentrated flows.
- Chance of failure increases if fence is installed incorrectly or if sediment accumulation is not removed.



ESC DETAIL 2 OF 2

REVISIONS BY



8

DRAWN CHECKED BTS 01/09/2024 AS NOTED DRAWING

#### LANDSCAPE REQUIREMENT

SECTION 12.A.O4.F FRONT YARD LANDSCAPING

FOR EACH 150' INCREMENT OF FRONTAGE TWO DECIDUOUS

OR EVERGREEN TREES, 2 ORNAMENTAL TREES, AND 3

SHRUBS FOR EACH TREE SHALL BE REQUIRED.

FRONTAGE 135'
REGUIRED: 2 TREES (LARGE)
2 ORNAMENTAL TREES

12 SHRUBS
PROVIDED: 2 TREES (LARGE)
2 ORNAMENTAL TREES
12 SHRUBS

SECTION 21A.04.6.2.A FRPMT YARD SCREENING

A CONTINUOUS HEDGE A MIN. OF 24" IN HT MATURING AT 36" MIN. HT. SHALL BE PLACED TO SCREEN THE DRIVE AND BUILDING.

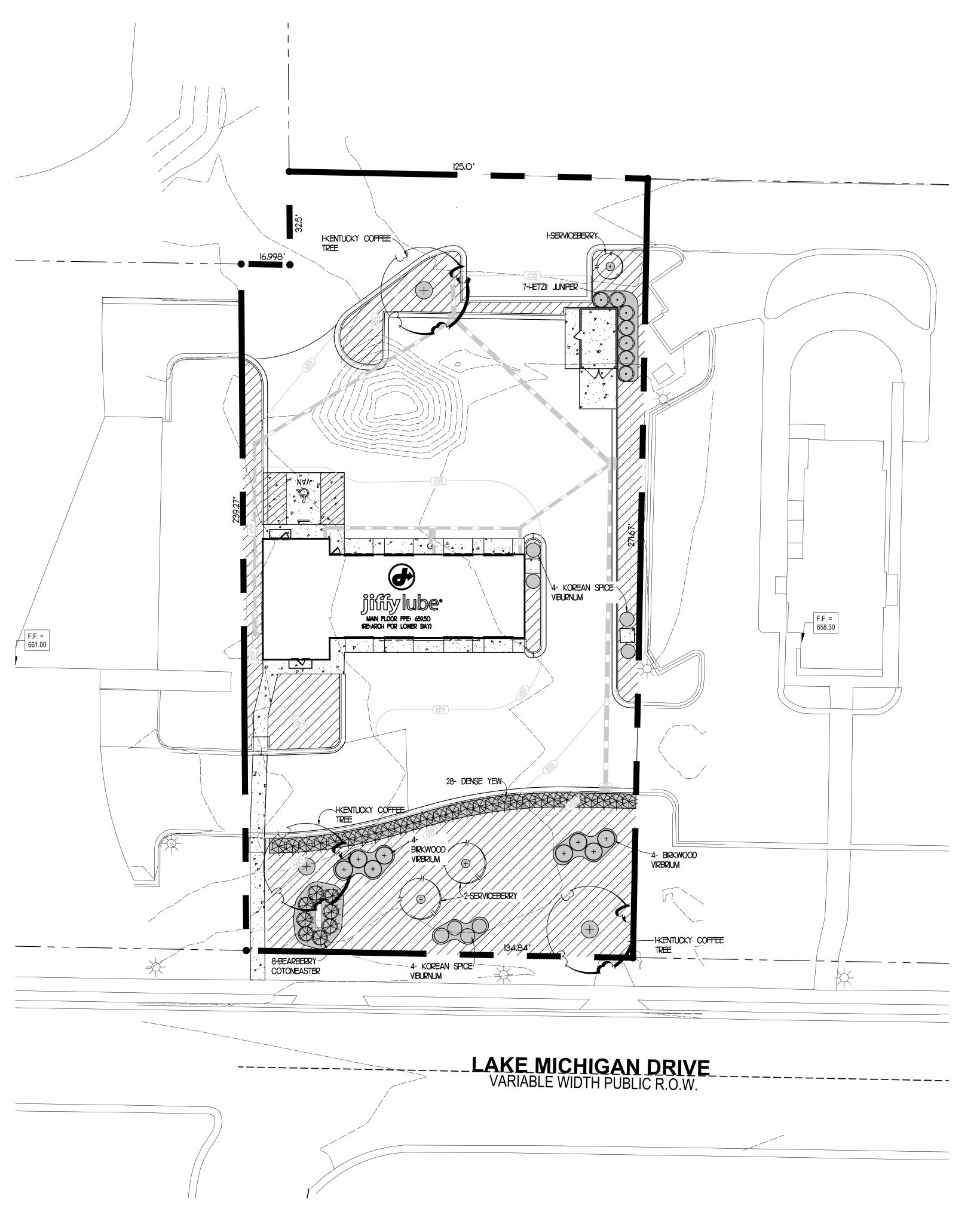
PROVIDED A DENSE EVERGREEN HEDGE.

PUD SECTION 5.B.5- ALL FRONT YARD TRAVEL LANES SHALL BE SCREENED BY AN EVERGREEN HEDGE A MIN OF 3' TALL AT PLANTING. THIS SIZE REQUIREMENT SUPERCEDES SECTION 21A.04.6.2.A.

ALL DISTURBED AREAS TO BE SODDED WITH FESCUE.

CONTRACTOR TO PROVIDE DESIGN/BUILD IRRIGATION PLAN AS PER ALLENDALE CHARTER TOWNSHIP ZONING ORDINANCE (ARTICLE 24, SECTION 24.05F7)

WHEN REQUIRED BY THE TOWNSHIP, ALL OWNERS OF UNDERGROUND IRRIGATION SYSTEMS SHALL DOCUMENT WEEKLY METER READS FOR EARLY IDENTIFICATION OF LEAKS, STUCK VALVES, OR ANY ABNORMALITIES IN THE IRRIGATION SYSTEM. DOCUMENTED METER READS ARE SUBJECT TO INSPECTION BY THE TOWNSHIP AT ANY THE TOWNSHIP MAY REQUIRE DOCUMENTED METER READS TO BE SUBMITTED.







PLANT LIST

	QUANTITY	SYMBOL	COMMON NAME	SCIENTIFIC NAME	SIZE REQUIREMENTS
TREES	3	$(\cdot)$	KENTUCKY COFFEETREE	GYMNOCLADUS DIOCA	3" CALIPER, 12' MIN. HT
	3	+	SERVICEBERRY	AMELANCHIER ARBOREA 'AUTUMN BRILLIANCE'	8' MIN. HT MULTI-STEM
SHRUBS	8	•	BIRKWOOD VIBURNUM	VIBURNUM X BURKWOODII	36" MIN. HT.
	28	*	DENSE YEW	TAXUS X MEDIA 'DENSIFORMIS'	36° MIN. HT.
	7	<b>O</b>	HETZII JUNIPER	JUNIPERUS CHINENSIS 'HETZII COLUMNARIS'	4' MIN. HT.
	8	₩	BEARBERRY COTONEASTER	COTONEASTER DAMMERI	l2" HT.
	8	0	KOREANSPICE VIBURNUM	VIBURNUM CARLESII	48" MIN. HT.

CONTRACTOR TO PROVIDE DESIGN/BUILD IRRIGATION PLAN AS PER ALLENDALE CHARTER TOWNSHIP ZONING ORDINANCE (ARTICLE 24, SECTION 24.05F7)

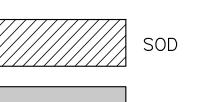
PLAN PREPARATION CERTIFICATION:

"I CERTIFY THAT THIS PLAN SATISFY THE REQUIREMENTS OF THE ORDINANCE"

Kuntlank\_

KIM KAUFFMAN LANDSCAPE ARCHITECT

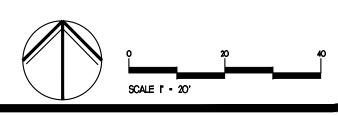
LEGEND

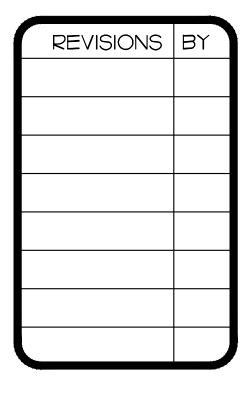


MULCH

PRIOR TO STARTING WORK, CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL EXISTING CONDITIONS. ALL EXISTING ITEMS THAT ARE IN CONFLICT WITH PROPOSED IMPROVEMENTS ARE TO BE RELOCATED/REMOVED AS NEEDED & CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION AND FOR INCLUDING ALL COSTS IN BASE BID.

LANDSCAPE PLAN





PEELAND and KAUFFMAN, II

Engineers \* Landscape Architects
209 West Stone Avenue
Greenville, South Carolina 29609
864-233-5497



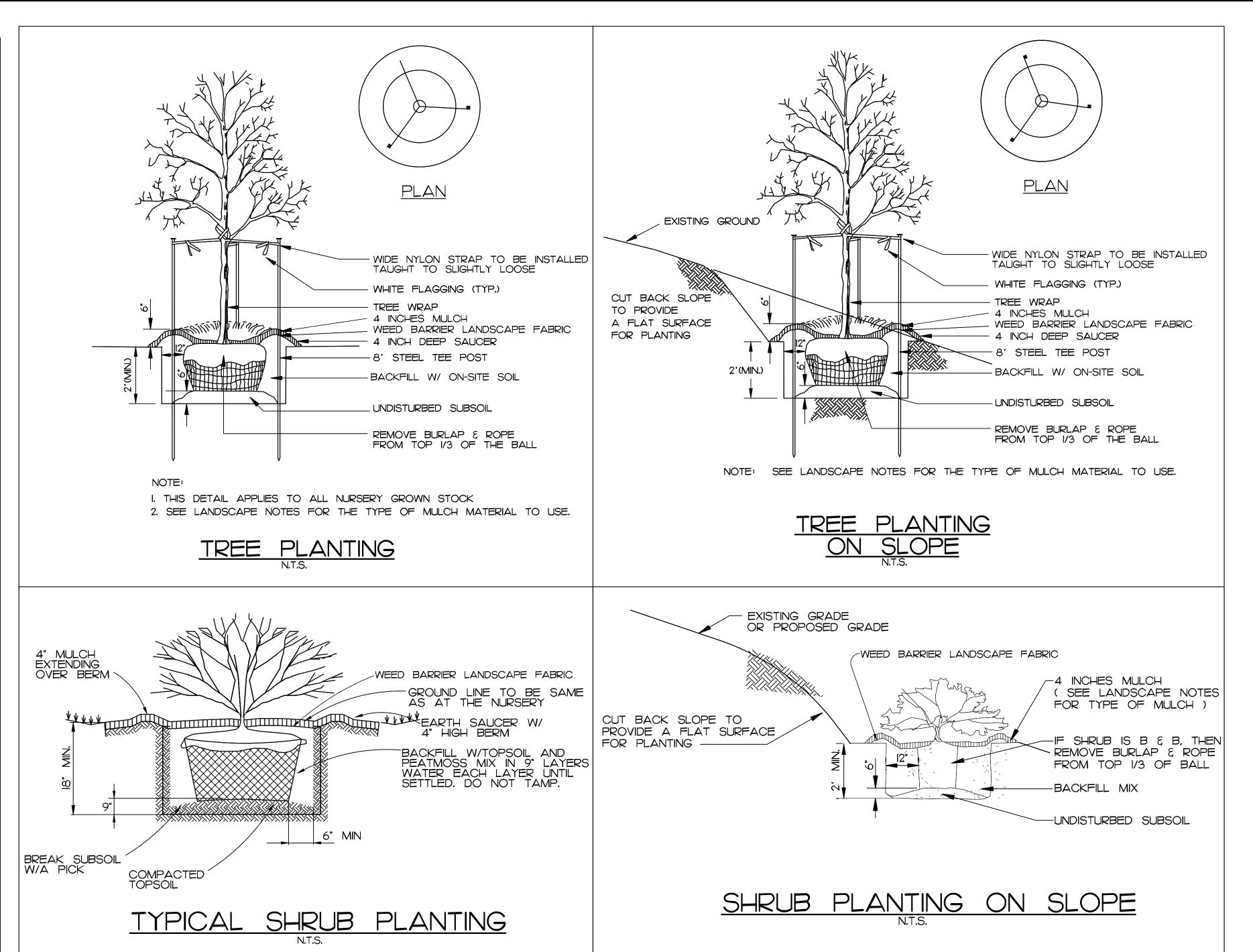
ALLENDALE, MI - LAKE MICHIGAN [

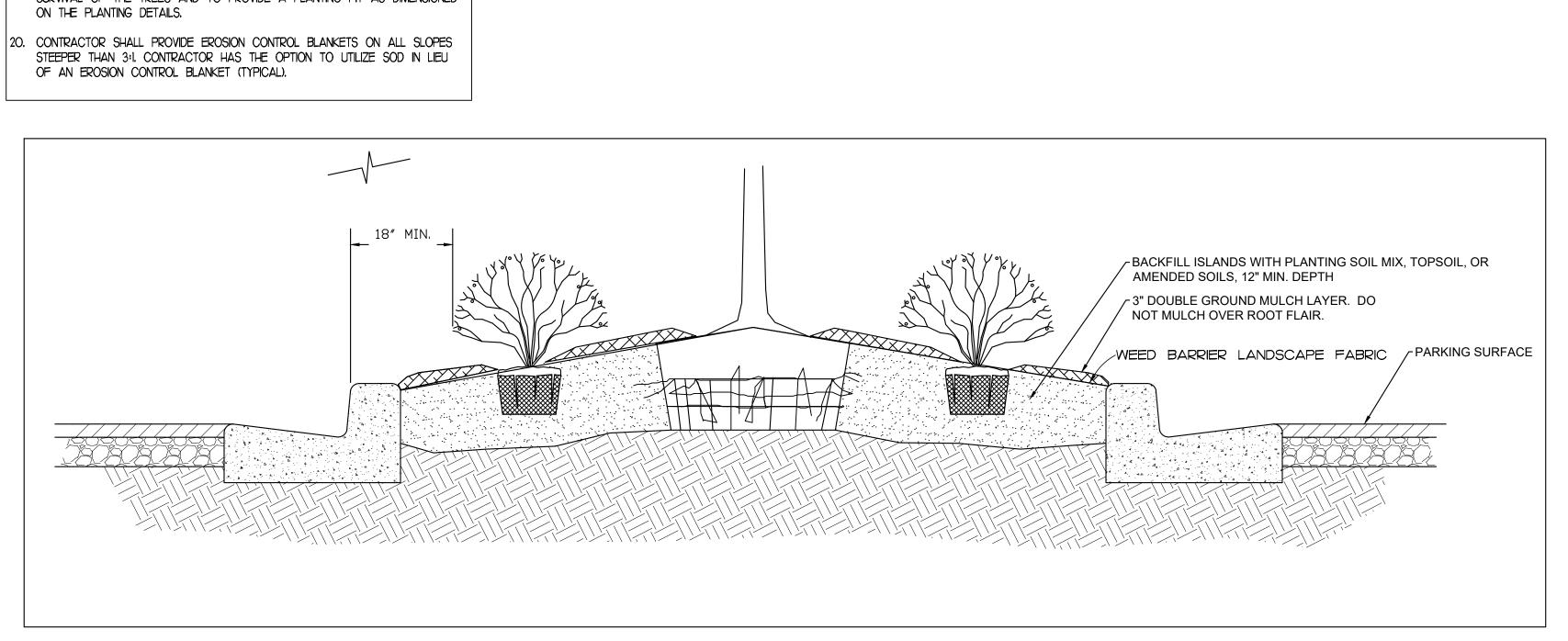
GUGGENHEIM DEVELOPMENT SERVICES, LLC
3000 INTERNET BOULEVARD, SUITE 570
FRISCO, TX 75034

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#### LANDSCAPE NOTES

- ALL PLANT MATERIAL SHALL BE NURSERY GROWN AND SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS AS SET FORTH BY THE AMERICAN ASSOCIATION OF NURSERYMEN INC.
- 2. ALL PLANTS MUST BE HEALTHY, WELL BRANCHED, STRAIGHT TRUNKED, FULL HEADED, FREE OF DISEASE AND INSECT INFESTATION, AND MEET ALL SPECIFIED REQUIREMENTS.
- 3. ALL PLANTS MUST BE CONTAINER GROWN OR BALLED AND BURLAPPED AS INDICATED IN THE PLANT LIST.
- 4. ALL PLANTS ARE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT BEFORE, DURING, AND AFTER INSTALLATION.
- 5. ALL TREES MUST BE GUYED AND STAKED AS SHOWN IN THE DETAILS.
- 6. ALL PLANTING AREAS MUST BE COMPLETELY MULCHED AS SPECIFIED.
- 7. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND SHALL AVOID DAMAGE TO ALL UTILITIES DURING THE COURSE OF THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY AND ALL DAMAGE TO UTILITIES, STRUCTURES, SITE APPURTENANCES, ETC. WHICH OCCURS AS A RESULT OF THE LANDSCAPE CONSTRUCTION.
- 8. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES SHOWN ON THESE PLANS BEFORE PRICING THE WORK.
- 9. THE CONTRACTOR IS RESPONSIBLE FOR FULLY MAINTAINING (INCLUDING BUT NOT LIMITED TO: WATERING, SPRAYING, MULCHING, FERTILIZING, ETC.) ALL PLANTING AND LAWN AREAS UNTIL THE WORK IS ACCEPTED IN TOTAL BY THE OWNER.
- IO. THE CONTRACTOR SHALL COMPLETELY GUARANTEE ALL PLANT MATERIAL FOR A PERIOD OF ONE (I) YEAR BEGINNING ON THE DATE OF TOTAL ACCEPTANCE. THE CONTRACTOR SHALL PROMPTLY MAKE ALL REPLACEMENTS BEFORE OR AT THE END OF THE GUARANTEE PERIOD.
- II. ANY PLANT MATERIAL WHICH DIES, TURNS BROWN, OR DEFOLIATES (PRIOR TO TOTAL ACCEPTANCE OF THE WORK) SHALL BE PROMPTLY REMOVED FROM THE SITE AND REPLACED WITH MATERIAL OF THE SAME SPECIES, QUANTITY, AND SIZE AND MEETING ALL PLANT LIST SPECIFICATIONS.
- 12. ALL PLANT BEDS, TREES, SHRUB MASSES, ETC. SHALL RECEIVE 3" OF SHREDDED HARDWOOD BARK MULCH. THIS INCLUDES A **6 FOOT** DIAMETER MULCH RING AROUND ALL PROPOSED TREES,
- 13. LOCATIONS OF EXISTING BURIED UTILITY LINES SHOWN ON THE PLANS ARE BASED UPON BEST AVAILABLE INFORMATION AND ARE TO BE CONSIDERED APPROXIMATE, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATION OF UTILITY LINES IN AND ADJACENT TO THE WORK AREA. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITY LINES DURING THE CONSTRUCTION PERIOD.
- 4. SAFE, CLEARLY MARKED PEDESTRIAN AND VEHICULAR ACCESS TO ALL
  ADJACENT PROPERTIES MUST BE MAINTAINED THROUGHOUT THE CONSTRUCTION
- 5. THE CONTRACTOR SHALL PERFORM A SOIL TEST ON THE EXISTING AND PROPOSED TOP SOIL AND APPLY LIME AND FERTILIZER AS RECOMMENDED.
- I6. ALL DISTURBED AREAS NOT TO RECEIVE PLANTINGS SHALL BE TOP SOILED, LIMED, AND FERTILIZED ACCORDING TO THE SOIL TEST REPORT. THESE GRASS AREAS SHALL BE SEEDED AND SODDED WITH HYBRID BERMUDA SOD AS SHOWN ON THE LANDSCAPE PLAN. THE CONTRACTOR SHALL WATER AND MAINTAIN ALL GRASS AREAS UNTIL A HEALTHY STAND IS ESTABLISHED.
- 7. ALL PLANTING AREAS, INCLUDING PARKING LOT ISLANDS, SHALL CONTAIN SOILS SUITABLE FOR PLANTING. SOILS SHALL BE CLEAN AND FREE OF ALL CONSTRUCTION MATERIALS. THE TOP TWO FEET OF SOIL SHALL BE LOOSE, IF PREVIOUSLY COMPACTED, IT SHALL BE LOOSENED BY TILLING OR OTHER MEASURE TO A DEPTH OF TWO FEET. THE TOP SIX INCHES OF SOIL SHALL BE CLEAN TOPSOIL, OR OTHER CLEAN SOILS AMENDED WITH ORGANIC MATERIAL. THIS REQUIREMENT SHALL BE MET PRIOR TO THE INSTALLATION OF LANDSCAPING.
- 18. THE CONTRACTOR SHALL SPOIL ANY EXCESS TOPSOIL LOCATED ON THE SITE THAT IS NOT REQUIRED TO PERFORM THE LANDSCAPE OPERATION. ALSO, IF INSUFFICIENT TOPSOIL IS PRESENT ON THE SITE THE CONTRACTOR IS REQUIRED TO HAVE TOPSOIL BROUGHT INTO THE SITE FOR THE LANDSCAPE OPERATION.
- P. THE CONTRACTOR SHALL INCLUDE IN HIS BID PACKAGE REMOVAL AND EXCAVATION OF ROCK AS REQUIRED DURING TREE PLANTING TO INSURE SURVIVAL OF THE TREES AND TO PROVIDE A PLANTING PIT AS DIMENSIONED ON THE PLANTING DETAILS.

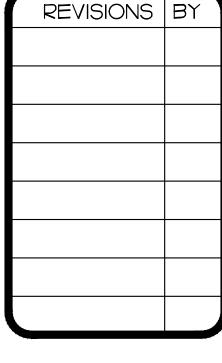




### LANDSCAPE FABRIC SPECIFICATION LANDSCAPE FABRIC SHALL BE ECOGARNER 5-OZ PRO GARDNER WEED BARRIER W/ ACCOMPANYING STAPLES

- AND SHALL BE INSTALLED AS FOLLOWS:

  I. PREPARE THE AREA TO RECEIVE LANDSCAPE
  FABRIC BY CUTTING ANY EXISTING WEED AS
  SHORT AS POSSIBLE, BY REMOVING, OR BY
  SPRAYING WITH ROUND-UP. REMOVE ANY ROCKS,
  STICKS, CLODS OF SOIL, OR NAILS THAT MAY
  SNAG THE MAT DURING INSTALLATION.
- 2. LEVEL THE AREA WHERE THE FABRIC IS TO BE INSTALLED BY USING A HAND RAKE, TO ROUGHLY LEVEL THE SURFACE AND FILL ANY HOLES.
- 3. PLACE THE FABRIC ON THE SOIL AND INSTALL ECOGARDNER II GAUGE, STEEL STAPLES 9"
  MINIMUM IN LENGTH. STAPLES SHALL BE PLACED 18" O.C. IN ALL DIRECTIONS, AND SHALL BE HAMMERED OR PUSHED INTO PLACE. WHERE ROWS OF FABRIC OVERLAP, A STAPLE TO HOLD THE EDGES SHALL BE PLACED 12" O.C. ALONG ALL THE JOINTS.



REELAND and KAUFFMAN, I

Engineers \* Landscape Architects
209 West Stone Avenue
Greenville, South Carolina 29609
864-233-5497



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LLENDALE, MI - LAKE MICHIGAN 3000 INTERNET BOLLEVARD, SUITE 570 FRISCO, TX 75034

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LANDSCAPE DETAILS

#### FREELAND and KAUFFMAN, INC.

ENGINEERS! LANDSCAPE ARCHITECTS

October 05, 2023

Allendale Charter Township 6676 Lake Michigan Drive, P.O. Box 539 Allendale, MI 49401

To whom it may concern,

Subject: Site Plan Submittal for proposed Jiffy Lube for PUD Amendment Process

On behalf of our client Guggenheim Development Services, LLC please find enclosed the following documents for you review and comment:

- 1 copy of applications
- 5 copy of Site Plans
- 5 copies of building elevations

Please process the enclosed documents for review. Should you have any questions, or should you require additional information, please contact me directly at 864.672.3426 or mailto:tsimmons@fk-inc.com Thank you.

Sincerely,

**Todd Simmons** 



"Where community is more than just a concept!"

## Planning Commission Application

Submission Date: <u>1</u> 0	0-5-2023							
Application for Site I	Plan Review in conjunction	with which of the following:						
☐ Site Plan Rev ☑ New PUD De	•	<ul><li>✓ Zoning Amendment (including PUD)</li><li>☐ Special Use Application</li><li>☐ Other:</li></ul>						
Property Owner:	5213 Lake Michigan	Dr. LLC						
Mailing Address:	2030 Lake Michiga	n Dr. NW, STE F, Grand Rapids, MI 49504						
Phone Number:		Cell Phone:						
Email Address:		Fax:						
Owner's Signature:	040							
Applicant Name: (if not owner)	Guggenheim Devel	opment Services, LLC						
Mailing Address:	3000 Internet Blvd,	Suite 570, Frisco, TX 75034						
Phone Number:	214-534-8191	Cell Phone:						
Email Address:	Jason.Bolling@Guggenl	neimPartners.com <sub>Fax:</sub>						
Applicant's Signature:	Jason Bolling							
•	Who is the responsible party for future invoices? Check one:  Architect, Engineer, Attorney or other professionals associated with the project (attach additional sheets							
Contact:	Freeland and Kauffm	an, Inc.						
Mailing Address:	209 W. Stone Ave.,	Greenville, SC 29609						
Phone Number:	864-672-3426	Cell Phone:						
Email Address:	tsimmons@fk-inc.c	om Fax:						
Address of Property: 5195 Lake Michigan Dr., Allendale, MI 49401								

Permanen	t Parcel Number	: 7	0-09-24	-40	0-085.				
	Legal Description of Property (or attach to the application):								
	to application								
	Ι		1						,
Lot Area:	0.85 ac		Lot De	oth:			Lot W	idth:	
Current Zo	ning of Parcel:	PU	D	Cur	rent Use of Parcel:	Va	acant		
Proposed !	Use of Parcel:	Р	roposed	l bui	lding of Jiffy Lube	e is	autom	obile	e repair and
			aintena						
Name of P	roposed				· · · · · · · · · · · · · · · · · · ·				
	ent (if applicable	e):							
Name of P to be cons	roposed Building tructed:	gs	Jiffy Lu	ıbe					
Square fee	et of gross:	3,2	252 SF	Sqı	uare feet of usable flo	oor	area:	296	SF
Number of Permanent Employees (if applicable):									
your smal	application and ler than typical p	esc olan	row fee. s are allo	(Wh wed	Site Plan and 1 electr en ready for submiss when they can be ea ull escrow fee policy.	ion sily	to the I	Planni eted a	ng Commission, and are to scale.)

- Please see Resolution 2011-2 for our full escrow fee policy. If you would like a copy of this
  policy it is available online or by request at the Township office.
- If your escrow is not kept up to date, according to our policy, the Township reserves the right to withhold approval of your project, issue a stop work order, or withhold final occupancy until the escrow balance is made current.

For Office Use Only		
Date Received:		
Amount Paid:	Check No:	
Notes:		

#### ALLENDALE CHARTER TOWNSHIP

#### If your project is a Rezoning or Zoning Text Amendment please fill out the following:

1.	Act	ion Requested:
	A.	Rezone fromtothe property located at (address if any)
		, parcel ID
		legally described as:
	B.	Text Amendment:  Amend Chapter 470 Article 14 Section(s) 14.02 to read:
		Proposed use "automobile repair and maintenance shop" in permitted use under
		General commercial ordinance.
2.	Ge	neral Information:
	A.	List all deed restrictions to property described in 2A, above, (attach additional pages if needed):
	В.	Present use of the property is: Vacant
		Lot size in acres or square feet: 0.85 acres
		Provide a scaled map of the property, fully-dimensioned and correlated with the legal
		description, showing the following:
		1. The land which would be affected by the proposed amendment;
		2. If the land proposed for rezoning does not include the entire parcel or lot, the land and legal description of the portion of the parcel of the lot which is proposed for rezoning and the portion of the parcel of the lot which is not proposed for rezoning;
		3. The present zoning of the land proposed for rezoning;
		4. The present zoning of all abutting lands; and

#### Allendale Charter Township

		public and privide proposed for		and easements bounding a	and intersecting the	
E.			dment request at t	his time: nd repair shop" is part of "Sp	ecial use Permit" under	
		,		allowed use as per current Ar		_
	Ordinance. Proposed use requires ammendment.					_
F.	If the a	f the amendment is a proposed rezoning please answer the following questions:				
	1.	•		nsistent with the Master P zoned "General Commercial"		_
		ammendment	will not change the o	verall zoning of the property.		_
	2.			conform with the Master		_
			nde? Please be spe	cific, brief, and attach any ates your claim:	supporting	
						_
G.	prope	rty to be?		ne proposed zoning chang s "General Commercial"		_
		ipated impact		S General Commercial	and there is no	_
	ditto	pated impact	on thom.			
				ccept the responsibility of rrect to the best of their k		
	Bolling		10/02/2023			
Petitio	ner's S	ignature(s)	Date	Petitioner's Signature	e(s) Date	

#### ALLENDALE CHARTER TOWNSHIP



Commitment No. 224822

ISSUING AGENT:

Sun Title Agency of Michigan, LLC

**UNDERWRITTEN BY:** 

Old Republic National Title Insurance Company

#### ALTA COMMITMENT

SCHEDULE C (Property Legal Description)

#### **LEGAL DESCRIPTION**

The Land referred to in this commitment is described as follows:

Land situated in the Township of Allendale, Ottawa County, Michigan:

Part of the South 1/2 of Section 24, Town 7 North, Range 14 West, described as: Commencing at the South 1/4 corner of said Section; thence North 00 degrees 25 minutes 55 seconds West 330.00 feet along the North-South 1/4 line of said Section to the point of beginning; thence continuing North 00 degrees 25 minutes 55 seconds West 32.48 feet along said 1/4 line; thence South 88 degrees 52 minutes 53 seconds East 125.03 feet parallel with the South line of said Section; thence South 01 degrees 3 minutes 04 seconds West 271.56 feet parallel with the West line of Units 1 and 2 of Allendale Crossings Condominium, Ottawa County Condominium Subdivision Plan No. 538; thence North 88 degrees 56 minutes West 135.01 feet along the Northerly right-of-way line for Lake Michigan Drive; thence North 00 degrees 25 minutes 55 seconds West 239.27 feet; thence South 89 degrees 07 minutes 11 seconds East 17.00 feet along the South line of South Edgewater Park, Edgewater Business Plat, as recorded in Liber 31 of Plats, Pages 41 through 44, inclusive, Ottawa County Records, to the point of beginning.

#### 70-09-24-400-085

If provided above, any address and tax parcel number are solely for informational purposes, without warranty as to accuracy or completeness. If inconsistent in any way with the legal description above, the legal description shall control.

ERECORDING

2022-0019555

FILED & SEALED FOR RECORD IN
OTTAWA COUNTY, MI
JUSTIN F. ROEBUCK

COUNTY CLERK/REGISTER OF DEEDS
05/24/2022 AT 12:11 PM

30.00

TAX STAMP affixed after recording Affidavit on file.

#### **WARRANTY DEED**

The GRANTOR(S):

Pear Line, L.L.C., a Michigan limited liability company of 114 Old M 21, Jenison, MI

49428

convey(s) and warrants(s) to the GRANTEE(S):

5213 Lake Michigan Drive LLC, a Michigan limited liability company of 2030 Lake Michigan Dr. NW, Ste. F, Grand Rapids, MI 49504

the premises located in the Township of Allendale, Ottawa County, Michigan and described on EXHIBIT A attached to this Deed ("PROPERTY"), subject to easements, building and use restrictions, interests, reservations of record, zoning ordinances, and taxes and assessments not yet due and payable.

Real Estate Transfer Tax Valuation Affidavit filed.

The Grantor grants to the Grantee the right to make the following division(s) under Section 108 of the Land Division Act, Act No. 288 of the Public Acts of 1967, as amended (enter a number, "All", or "None"):

(IF NO NUMBER IS INSERTED, THE RIGHT TO MAKE DIVISIONS STAYS WITH THE PORTION OF THE PARENT TRACT RETAINED BY THE GRANTOR; IF ALL OF THE PARENT TRACT IS CONVEYED, THEN ALL DIVISION RIGHTS ARE GRANTED). This Property may be located within the vicinity of farmland or a farm operation. Generally accepted agricultural and management practices which may generate noise, dust, odors, and other associated conditions may be used and are protected by the Michigan Right to Farm Act.

This deed is dated May 23, 2022

**GRANTOR:** 

Pear Line L.L.C., a Michigan limited liability company

Merwyn Koster, Member

STATE OF MICHIGAN

COUNTY OF KENT

Acknowledged before me in Kent County, Michigan on the 23rd day of May, 2022, by Merwyn Koster, Member of Pear Line, L.L.C., a Michigan limited liability company.

**Notary Name** 

Notary public, State of Michigan

County of Ottowa

My commission expires: \_\_

Acting in Kent County

ANTHONY J. PONTARELLI
NOTARY PUBLIC - STATE OF MICHIGAN
COUNTY OF OTTAWA
My Commission Expires Feb. 21, 2027
Acting in the County of

PREPARED AT THE DIRECTION OF THE GRANTOR BY (AND RETURN TO):

TJ Pontarelli Sun Title Agency of Michigan, LLC 1410 Plainfield Avenue, N.E. Grand Rapids, MI 49505 210521

#### **EXHIBIT A**

#### **Property**

#### **LEGAL DESCRIPTION**

Land situated in the Township of Allendale, Ottawa County, Michigan:

Part of the South 1/2 of Section 24, Town 7 North, Range 14 West, described as: Commencing at the South 1/4 corner of said Section; thence North 00 degrees 25 minutes 55 seconds West 330.00 feet along the North-South 1/4 line of said Section to the Point of Beginning; thence continuing North 00 degrees 25 minutes 55 seconds West 32.48 feet along said 1/4 line; thence South 88 degrees 52 minutes 53 seconds East 125.03 feet parallel with the South line of said Section; thence South 01 degree 3 minutes 04 seconds West 271.56 feet parallel with the West line of Units 1 and 2 of Allendale Crossings Condominium, Ottawa County Condominium Subdivision Plan No. 538; thence North 88 degrees 56 minutes 56 seconds West 135.01 feet along the Northerly right-of-way line for Lake Michigan Drive; thence North 00 degrees 25 minutes 55 seconds West 239.27 feet; thence South 89 degrees 07 minutes 11 seconds East 17.00 feet along the South line of South Edgewater Park, Edgewater Business Plat, as recorded in Liber 31 of Plats, Page 41-44, Ottawa County Records to the Point of Beginning.

70-09-24-400-082

Commonly known as: 5213 Lake Michigan Dr., Unit B, Allendale, MI 49401

The property address and tax parcel are provided solely for informational purposes, without warranty as to accuracy or completeness. If inconsistent in any way with the legal description listed above, the legal description listed above shall control.

Ottawa County Treasurer Office 5/24/2022
The records in my office show no unpaid taxes or special assessments for the five years of 2021 and prior involving lands in this instrument. This does not include taxes owed as a result of Board of Review, PRE Denials or Tax Tribunal judgements.

Amanda Price, Treasurer KS

#### ALLENDALE CHARTER TOWNSHIP

6676 Lake Michigan Dr. Allendale, MI 49401 Phone: 616-895-6295 Fax: 616-895-6330

www.allendale-twp.org

#### Planning Commission Site Plan Review Checklist

- This checklist shall be completed and submitted as part of the submittal packet to the Planning Commission. This is the same checklist that will be used by staff and Planning Commissioners to verify that all requirements set forth in the zoning ordinance are met.
- Township staff reviews the plan for completeness with the site plan checklist. If complete the
  plan can be forwarded to the Planning Commission. If not, the applicant is notified and must
  revise the site plan to comply with the checklist.
- A site plan which is to be reviewed by the Planning Commission shall be submitted to the Township offices no less than 31 days before the next regularly scheduled Commission meeting.
- Three separate plans are required:
  - 1) A site analysis plan
  - 2) A site plan
  - 3) A landscape plan

A checklist is provided for each plan on the following pages.

- Site plans shall be drawn at a scale of not more than 1"=20' if the site is less than two acres; 1"=40' if the site is less than six acres; and 1"=100' if the site is greater than six acres and shall contain the following information unless specifically waived by the Planning Commission.
- Either YES, NO or NA (Not Applicable) shall be marked next to each item. If NA is marked, please provide the reasoning for the NA notation.
- Before submitting a formal application for site plan review the applicant is encouraged to meet with the Township Planner or Zoning Administrator to review procedures and ask questions.

#### 1. SITE ANALYSIS PLAN CHECKLIST

This is a separate site plan showing natural and man-made features and is used to determine how the existing features of a property will be changed by the proposed project.

Small-scale sketch of properties, streets and zoned uses of land within one-quarter mile of
the site, sufficient to illustrate the existing character and development in the area of the site
A sketch illustrating the location of the site within the Township
Existing buildings and structures
Current zoning of site and all abutting properties
Current use of site
Existing contour lines at two feet intervals on the subject property and to a distance of 50 feet outside the boundary lines of the site
Swales and existing drainage patterns
Existing strands of trees, tree lines and individual large trees.
Water bodies, streams, creeks and wetlands on the site and within 50' of subject property
Base flood elevation data (if applicable)

#### 2. SITE PLAN CHECKLIST

See article 24 of Allendale Twp. Zoning Ordinance for actual language

\*

<b>GENER</b>	RAL INFORMATION		
Χ	Name of development		
X	Date on which the site plan was prepared		
Χ	North arrow and scale		
Χ	Architect, landscape architect, engineer, or professional surveyor who prepared the plan		
_	X Name X Address X Professional seal		
PROPE	ERTY INFORMATION		
Χ	Legal description based upon the most current survey		
X	Small-scale sketch of properties, streets and zoned uses of land within one-quarter mile of the		
	site, sufficient to illustrate the existing character and development in the area of the site		
Χ	A sketch illustrating the location of the site within the Township		
X	The size in acres and square feet of the subject property		
Х	Property line dimensions and bearings		
Х	Current zoning of site and all abutting properties		
Х	Location and use of existing structures within 100 feet of the boundary of the subject property		
Х	Proposed contour lines at not less than two feet intervals		
Х	Percentage of site covered by impervious surface		
BUILD	INGS AND USES		
Х	_ Location of existing and proposed buildings including:UseLengthWidthHeight		
	X_Square Footage		
NA	Roof top equipment (Sec. 24.06.G.2)		
Х	Setback of buildings from all property lines		
Х	_ Architectural elevation drawings and exterior building materials (Sec. 24.06.J)		
<u>UTILIT</u>	TES AND STORMWATER MANAGEMENT		
Location	on, size and dimensions of the following:		
Χ	Utility easements		
X	Water lines		
Χ	Sanitary sewer lines		
Χ	Storm drainage lines		
Χ	_ Ditches and swales		
X	_ Retention and/or detention areas		
Χ	Fire hydrants		
Χ	_ Catch basins		
NA	_ Septic tank and drain fields and water wells if applicable		
Χ	Transformers and above ground utilities		

<u>VEHICL</u>	<u>LE CIRCULATION</u>
Locatio	on, size and dimensions including width of the following:
Χ	Proposed streets
Χ	Abutting streets
Χ	Rights-of-way
Χ	Service drives
Χ	Driveways / curb cuts
Х	Curbs and gutters
Х	Access easements serving the site
Х	Driveways opposite the site and driveways and intersections within 100 feet on either side
	of the site
	Traffic control signs
Х	Master Plan streets which may cross the property
PEDES <sup>*</sup>	TRIAN CIRCULATION (Sec. 24.06.C)
Χ	Location, dimensions and surface type of all sidewalks, bike paths and other walkways
Х	Internal walkways through the parking lot (Sec. 24.06.C.3)
PARKII	NG (Article 21)
Х	Number and dimensions of spaces and aisles
X	Computations to show number of spaces required
X	Distance to nearest property line
Х	Barrier free parking spaces and sidewalk ramps
Х	Type of parking area surface
	Curbs and gutters
x NA	Loading areas
LIGHTI	<b>NG</b> (Article 24.06.E)
	Location of exterior lights including building lights
	Height
	Type of fixture
OTHER	REQUIRED INFORMATION
Х	Waste disposal facilities (Sec. 24.06.H)
Х	Outdoor storage (Sec. 24.06.G)
Х	Signs (Article 22)
NA	For residential developments (Sec. 24.05.D.17) summary schedules and views should be
	affixed as applicable in residential development, which gives the following data:
_	The net residential area which is the total size of the parcel minus any portion of the site within the road right-of-way expressed in acres and in square feet
_	The number of dwelling units proposed (by type) and the number of bedrooms for each type
	Typical lot size dimensions if detached housing is contemplated
	Typical elevation views of the front and side and rear of each type of building
_	Proposed density of the net residential site

 Proposed phasing Location and specifications for any existing or proposed above or below ground storage facilities for any chemicals, salts, flammable materials, or hazardous materials as well as any containment structures or clear zones required by this Ordinance or by State or Federal Agencies.
The Planning Commission may require written statements relative to the effects on the existing traffic capacity of streets, and the proposed development's impact on public safety, existing utilities, the environment and natural features
 The Planning Commission may request additional studies, graphics or other written materials from the applicant in order to assist in determining the appropriateness of the site plan.

#### 3. LANDSCAPING PLAN CHECKLIST

This is a separate plan illustrating proposed landscaping See Articles 21A and Sec. 24.06.F of the Zoning Ordinance for actual language



	<u> </u>	Name, address and seal of landscape architect who prepared the plan
	Х	Number of plants, type, size, location and spacing for:
		X greenbelts;
		X front yard along all streets abutting property;
		X Parking lots (Sec. 21A.04.G);
	X	Computations for all required landscaping
To be pro	vided late	Underground irrigation system (Sec. 21A.03.E)
	NA	Berms, walls and fences
	NA	Landscaping for multi-family buildings see also Sec. 23.06.I
	X	Open space and common areas

Please note that the number of plantings required by the Ordinance may be modified (increased or decreased) by the Planning Commission based on the criteria below. If a reduction in the required landscaping is proposed please provide the reasons for this reduction on the landscaping plan relative to the criteria.

<u>Modification of Required Landscaping.</u> For existing and proposed uses that require site plan approval to either expand or be built, landscaping shall be installed insofar as practical. The Planning Commission in its review of the site plan has the authority to increase, decrease or otherwise modify the landscaping and screening requirements of this article. In doing so, the Commission shall consider the following criteria:

- 1. The amount of space on the site available for landscaping.
- 2. Existing landscaping on the site and on adjacent properties.
- 3. The type of use on the site and size of the development.
- 4. Existing and proposed adjacent land uses.
- 5. The effect the required landscaping would have on the operation of the existing or proposed land use.
- 6. Whether additional landscaping is necessary to mitigate the adverse effects of adjoining land uses, to reduce headlight glare, reduce noise and to otherwise achieve the objectives of this Section.



December 7, 2023

Gregory Ransford, MPA Fresh Coast Planning 950 Taylor Avenue, Suite 200 Grand Haven, Michigan 49417

RE: Jiffy Lube - 5195 Lake Michigan Drive Site Plan Revision for PC Review

Dear Mr. Ransford:

Fleis & VandenBrink (F&V) received the Jiffy Lube at 5195 Lake Michigan Drive preliminary engineering plans on November 28, 2023 which were prepared by Freeland and Kauffman, Inc. and dated November 27, 2023. Included with the plan set were comments and responses to F&V's original October 30, 2023 review.

F&V staff have reviewed the responses to the comments previously made. We have the following comments that still have not been addressed. However, we do not feel these are required for the Planning Commission approval. Rather, these items can be addressed during the production of the construction plans.

#### SHEET 5:

• In reference to note B, the width of the concrete curb and gutter is 24" for type F4 curb, not 18". The arrow on the curb and gutter detail is slightly skewed and should be adjusted to highlight the F4 selection.

#### SHEET 9:

• No detail has been provided in the architecture plans as called out on the sump pump detail.

#### **SHEET 12:**

• Notes A, B, and D refer to the architectural plans. No details, locations, or additional information provided for the sanitary sewer exit, and the oil waste piping exit on the architectural plans.

#### **SHEET 11:**

 The water meter should be installed inside the building, in accordance with Allendale Charter Township's Standard Construction Requirements Section 02660 Watermains Subsection 3.02.K

Brant Mercer, P.E.

**Project Manager** 

FLEIS & VANDENBRINK

Emma McDonald Civil Engineer in Training

cc: Chad Doornbos, ACT

Gmma Motoundel

Kevin Yeomans, Fresh Coast Planning

2960 Lucerne Drive SE Grand Rapids, MI 49546 P: 616.977.1000 F: 616.977.1005 www.fveng.com

# Allendale Charter Township Fire Department

FIRE DEPARTMENT

FIRE CHIEF
MICHAEL KEEFE

DEPUTY CHIEF RANDY BOSCH

CAPTAIN
BUSINESS
FIRE INSPECTOR
TONY DOLCE

LIEUTENANT
TRAINING OFFICER
SCOTT HARKES

LIEUTENANT
RENTAL INSPECTOR
KYLE GARLANGER

LIEUTENANTS
WILLIAM
O'DONNELL
BRUCE NAGELKIRK
DAVE MARSHALL
STEVE WOLBRINK

SERGEANTS
CHRIS HOLMES
NICK RICHARDS
DOUG ANDERSON
JOE FLAGSTADT
TROY TELLER
ERIC BUSSCHER



October 12, 2023

Gregory Ransford, Planner Planning Commission 6676 Lake Michigan Drive

RE: 5195 Lake Michigan Drive Jiffy Lube Allendale, MI 49401

#### Greg:

Site plan for 5195 Lake Michigan Drive has been completed by Allendale Fire. Print has adequate fire department access. There is adequate water supply for the building.

All new buildings in Allendale Twp. are required by code *IFC2012 506.1* to have a Knox box installed on the building for Fire Department access.

Allendale Fire reserves the right to make additional comments as necessary.

Print Date 10/05/2023

Respectfully submitted

Capt. Tony Dolce Fire Inspector Allendale Fire Department 616-892-3116 tonydolce@allendale-twp.org

Phone: 616-895-6295 Fax: 616-895-6295 ext. 1116 www.allendale-twp.org mikekeefe@allendale-twp.org

## **Allendale Public Utilities**

Mr. Greg Ransford Principal Fresh Coast Planning 119 1/2 Washington Ave, Studio B Grand Haven, MI 49417

Date: 10/23/2023

Project: Jiffy Lube

Mr. Ransford,

After review of the site plan for Jiffy Lube, the Utility Department has the following comments:

#### **Cover Sheet:**

- Add OCWR, Jon Braxmeir for soil erosion. This will also need to continue throughout the plan set instead of Allendale Township for SESC items.
- Add PCI for all inspections out of ROW. They will also need to do plan review for building permits
- Add MDOT to required permits and inspections. They will also need to do plan review.
- Gas company is incorrect.
- Proof read all written items for correct authority.
- Note #15, Freeland and Kauffman is responsible for this project. If they choose not to survey and stake, they must secure the third party.

#### **Sheet 5:**

Letter J; move sidewalk to not encompass the existing sanitary sewer casting, or casting must be completely in the sidewalk. This casting must be raised and brought into current specifications, should it be impacted in any way.

#### **Sheet 10:**

- Notes 14, 15, 18, and 20 must be changed to be in compliance with the construction standards.
- The sanitary manhole (label as 4613) is 9' from south west property stake. The existing 6" sanitary lateral shows to be 60', and existing 1" water service is 64' from the same corner stake. The 1" water service will need to be abandoned.
- In the legend, the sanitary is required to be 6" in all areas outside the building.
- The water line shall be 1.5" minimum

Water Resource Recovery Facility: 11624 40th Ave. Allendale, MI 49401 Phone: (616) 895-5142
Township Offices: 6676 Lake Michigan Dr. Allendale, MI 49401 Phone: (616) 895-6295

# **Allendale Public Utilities**

- The back flow prevention device will be an ASSE 1013 approved RPZ
- Allendale only supplies the meters as requested by the Architect. All water/ sanitary taps are installed by site contractor or their sub
- Water meters and back flow devices are required inside of the heated portion of the building
- Correct items A, E, F, G, H, I, J, K, and U
- Add the removal of the 1" service per Allendale standards

#### **Sheet 11:**

• Remove all of these details. Add a our commercial water meter detail, and sanitary lateral details

#### **Sheet 12:**

• Per OCWR SESC office, not Allendale

The Utility Department reserves the right to make any future comments as necessary.

Thank you.

Chad Doornbos

Superintendent of Public Utilities Allendale Charter Township

6676 Lake Michigan Dr.

Allendale, MI 49401

616-892-3117



**NORTH PERSPECTIVE** 



2710 Sutton Boulevard St. Louis, Missouri 63143 www.adg-stl.com P:: 314.644.1234 F:: 314.644.4373



GUGGENHEIM

# Design Development Plans



**SOUTH PERSPECTIVE** 



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GUGGENHEIM

# Design Development Plans



**SOUTH PERSPECTIVE** 



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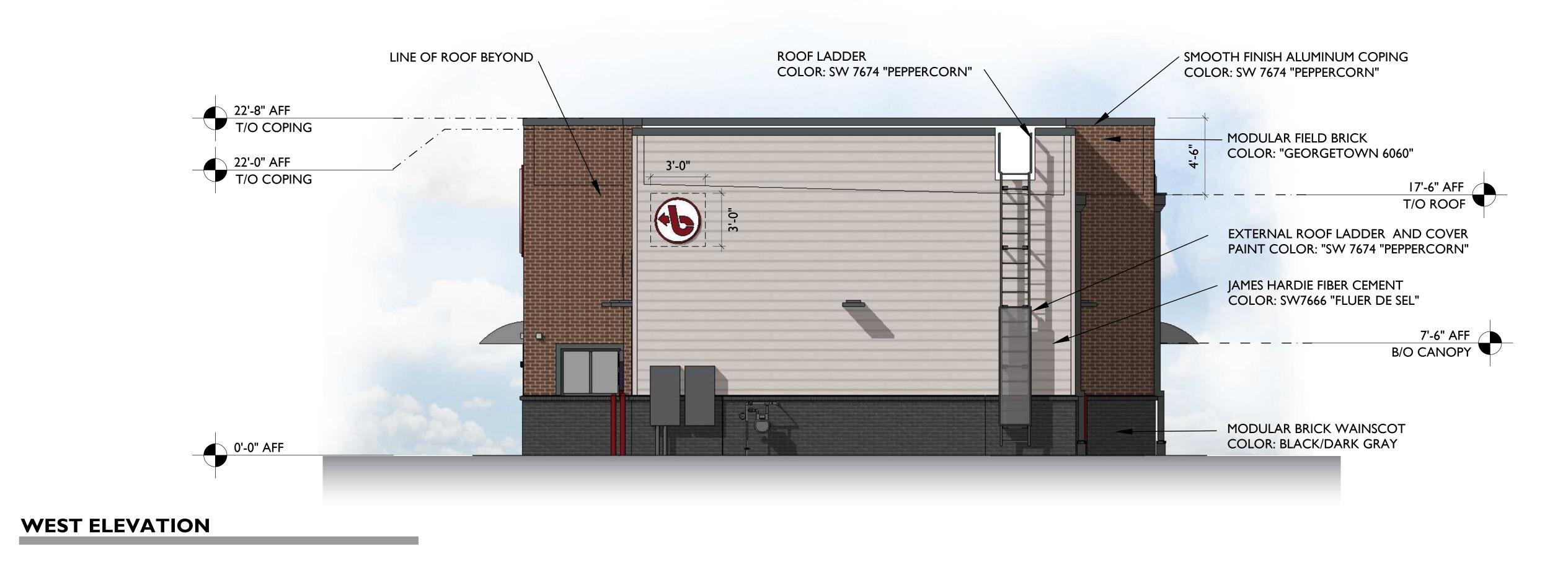




# Design Development Plans



# **NORTH ELEVATION**



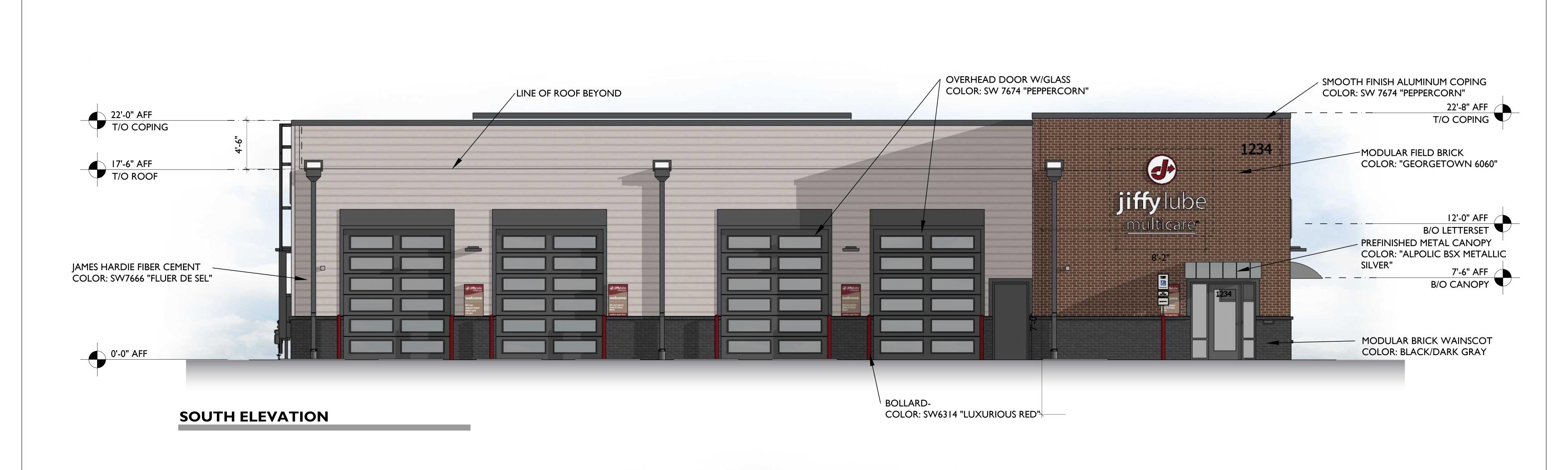


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# Design Development Plans







2710 Sutton Boulevard St. Louis, Missouri 63143 www.adg-stl.com P:: 314.644.1234 F:: 314.644.4373





# Design Development Plans

# **EXTERIOR ELEVATIONS PRODUCT SPECIFICATION**

AREA\_PERCENTAGE (%)

# TOTAL AREA: +/- 5213.59 S.F\_100%

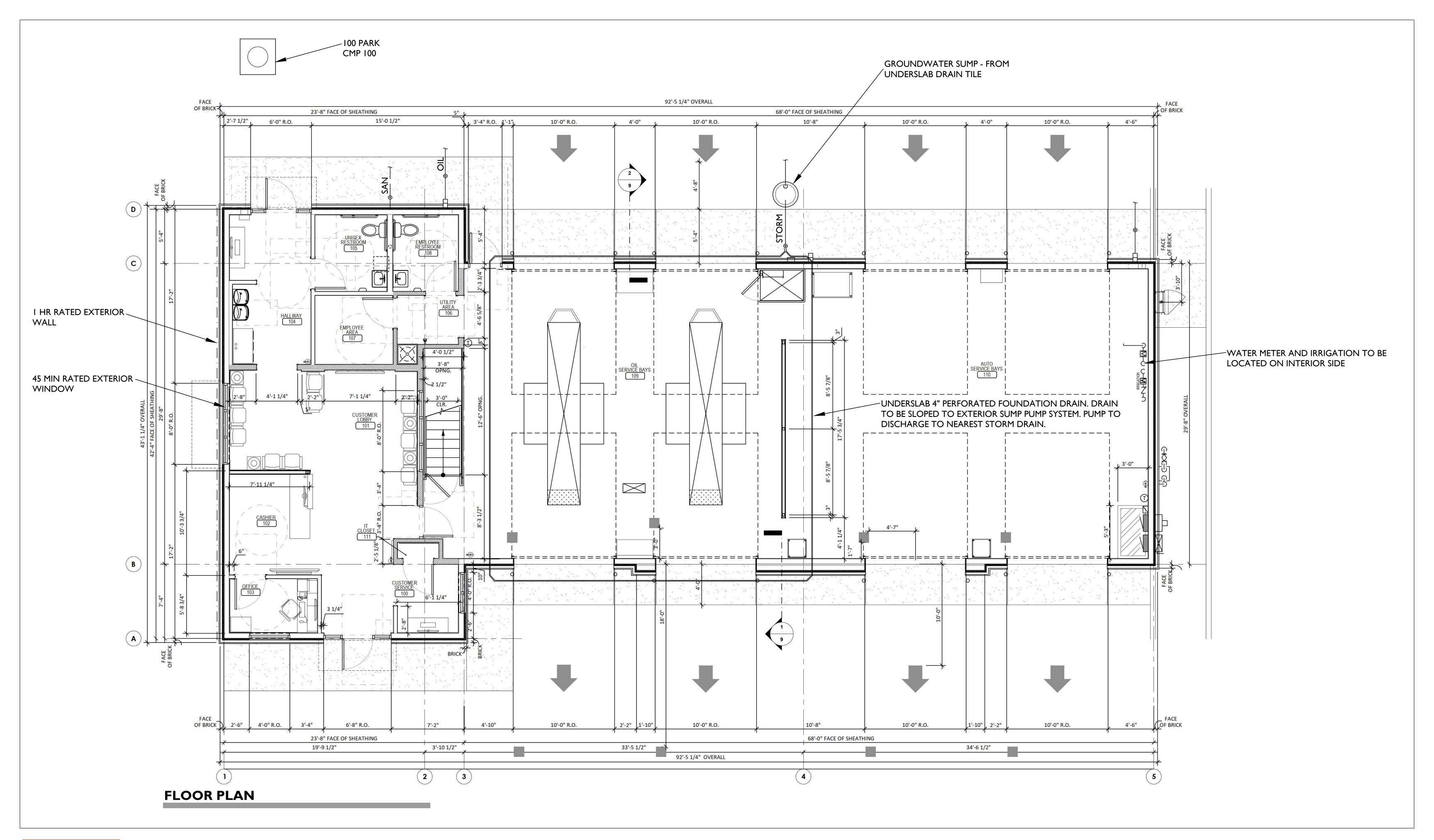
FINISH/MATERIALS	TOTAL BUILDING FACADES	NORTH ELEVATION	WEST ELEVATION	SOUTH ELEVATION	EAST ELEVATION
MODULAR BRICK WAINSCOT	12.62%	10.39%	18.00%	10.00%	I 5.47%
MODULAR FIELD BRICK COLOR: "GEORGETOWN 6060"	37.11%	52.13%	23.85%	27.17%	43.59%
JAMES HARDIE FIBER CEMENT COLOR: SW7666 "FLUER DE SEL	41.58%	25.28%	57.07%	52.94%	37.04%
GLASS	8.69%	12.20%	1.08%	11.89%	3.90%







# Design Development Plans



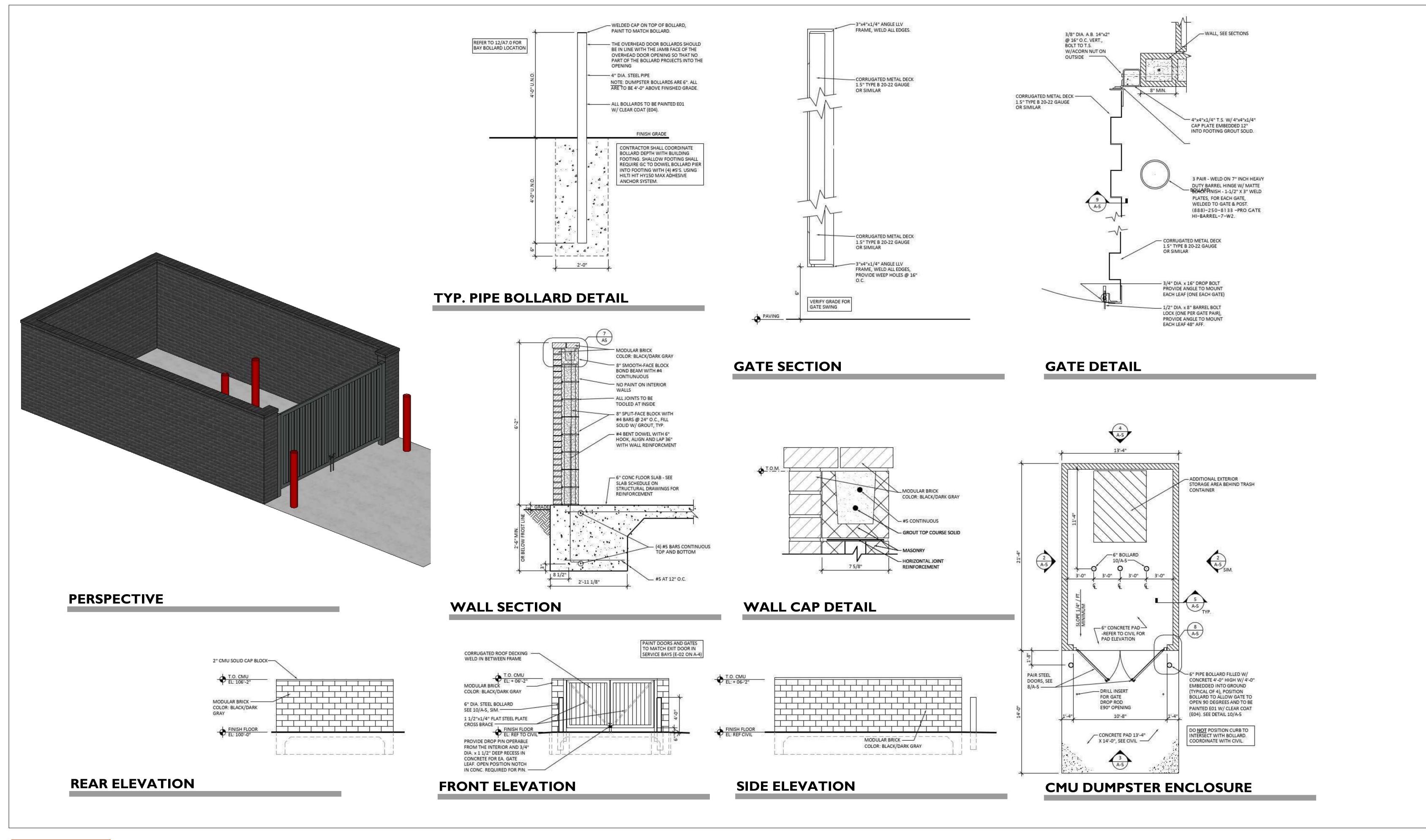


2710 Sutton Boulevard St. Louis, Missouri 63143 www.adg-stl.com P:: 314.644.1234 F:: 314.644.4373





# Design Development Plans



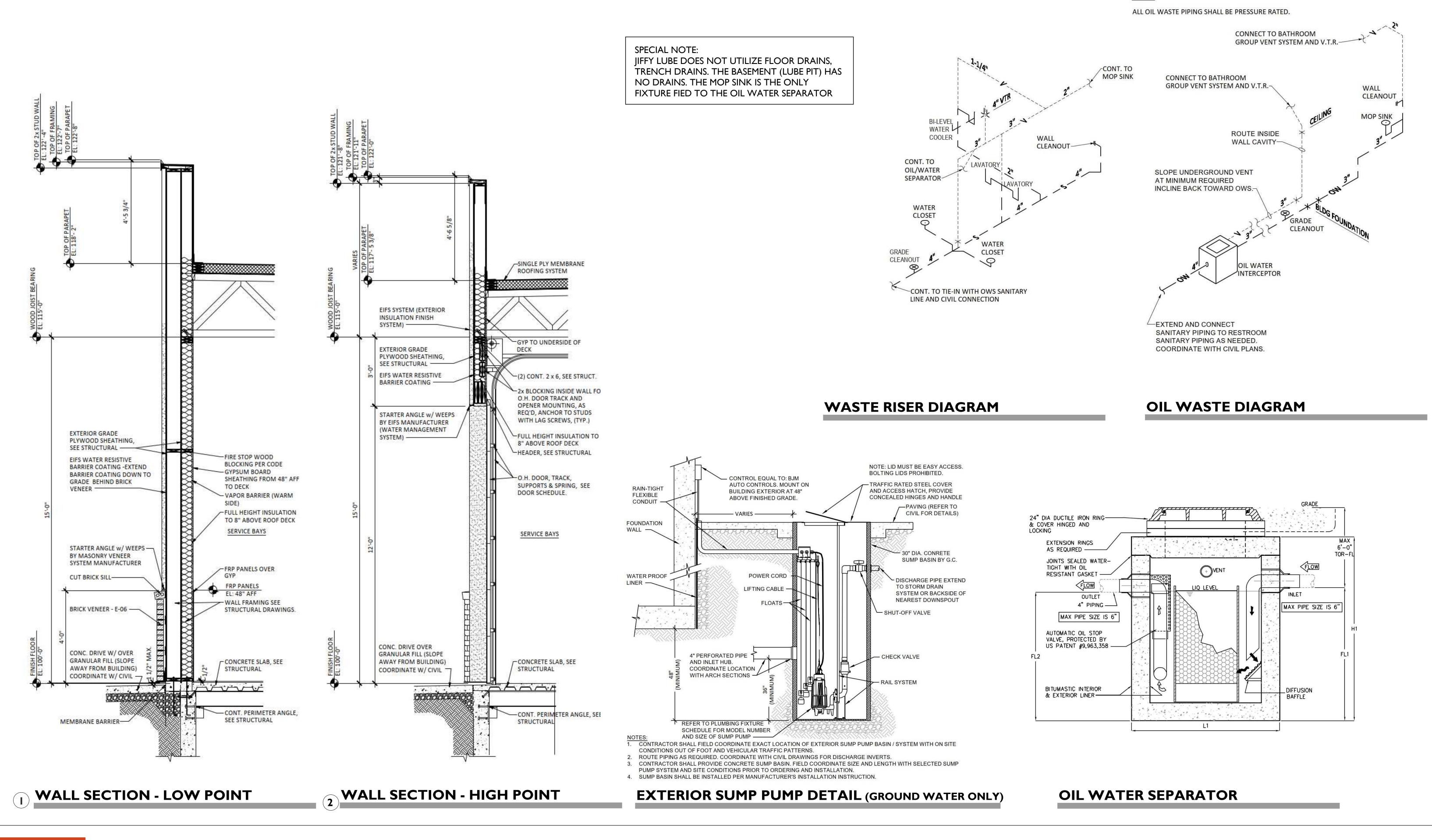








# Design Development Plans





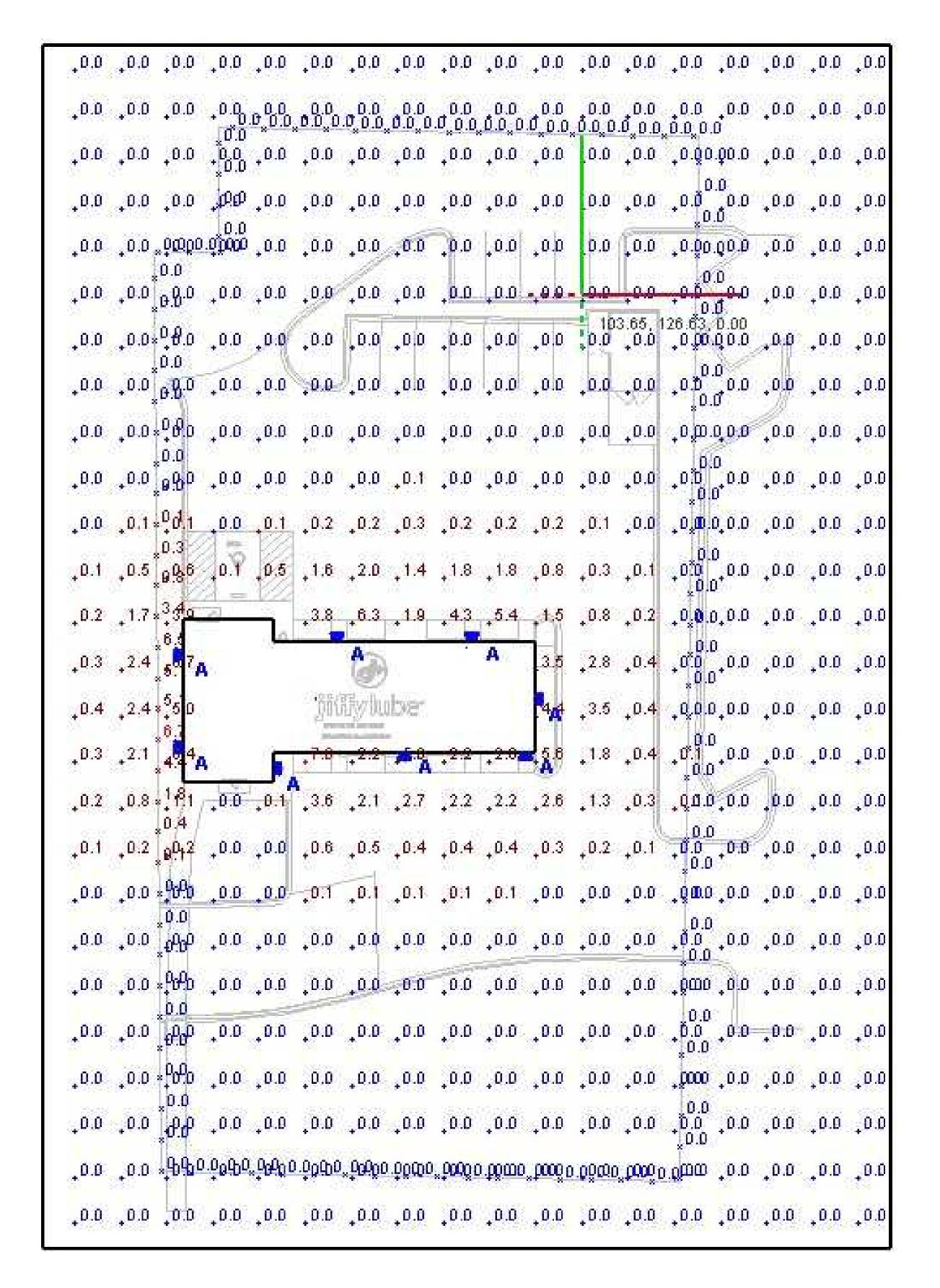
2710 Sutton Boulevard
St. Louis, Missouri 63143
www.adg-stl.com
P:: 314.644.1234
F:: 314.644.4373





# Design Development Plans

NOTES:





**CUSTOMER NAME** PROJECT NAME CATALOG NUMBER **EWAS A Series** LED Wall Pack

> The Evolve LED A Series Wall Pack (EWAS), offers Type II, III and IV optical patterns with lumen levels ranging from 3,000 to 17,000 lumens, and is a designed replacement for 50W to 400W HID including an optional Emergency Battery Backup. EWAS is suitable for underpass applications.

> > **Lumen Maintenance**

Projected Lxx per IES TM-21-11 at 25°C

Note: Projected Lxx based on LM80 (≥ 10,000 hour testing). Accepted Industry tolerance

**Luminaire Ambient Temperature Factor** 

Ratings

LM-79: Testing in accordance with IESNA Standards

LightGrid+™ and Daintree Compatible

Controls

Optional - DALI (Option U)

Sensors: Photo Electric Sensors (PE) available

**Emergency Battery Backup** 

Provides reliable emergency operations when there is a loss to normal

power, supported by Independent Secondary Battery and LED Board.

Powers luminaire for a minimum of 90 minutes @ 1,000 lumens.

-40°C to 40°C

Vibration: 3G per ANSI C136.31-2010

1.02

1.01

1.00

Dimming: Standard - 0-10V

DISTRIBUTION

A2, A3, A4, B2, B3, B4,

C2, C3, C4, D2, D3, D4

E2, E3, E4, F2, F3, F4,

G2, G3, G4

Operating

(°C)

10

20

25

LXX(10K) @ HOURS

50,000 HR

L93

AMBIENT TEMP

30

50

L92

L94

INITIAL FLUX FACTOR

0.99

0.98

0.97

#### Construction

Aluminum die cast enclosure. Integral heat sink for maximum heat transfer Lens: Impact resistant tempered glass Corrosion resistant polyester powder paint, minimum 2.0 mil thickness Standard = Black, Dark Bronze, Gray & White (RAL & custom colors available) Weight: 8 - 10 lbs.

#### Optical System

Lumens: 3,000 - 17,000 Distribution: Type II, III, IV CCT: 3000K, 4000K, 5000K CRI: ≥70

### **Electrical**

Input Voltage: 120-277V & 347-480V Input Frequency: 50/60Hz Power Factor: > 90% at rated watts Total Harmonic Distortion: < 20% at rated watts

## **Surge Protection**

TYPCIAL (120 STRIKES) EXTREME (40 STRIKES) ENHANCED (40 STRIKES) 20kV/10kA\* 6kV/3kA\* 10kV/5kA\* \*Per ANSI C136.2-2015 Warranty

5 Year (Standard)



3kV/1.5kA surge protection for EMBB models.

Available on A\* and B\* Optical Code Packages only

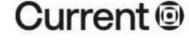
Operating Temperature (for EMBB models) -20° to 40°C











LED.com © 2023 Current Lighting Solutions, LLC. All rights reserved. Information and specifications subject to change without notice. All values are design or typical values when measured under laboratory conditions

Page 1 of 7 (Rev 08/23/23) OLP3165-Evolve-EWAS-LED-Wall-Pack-Specsheet\_R08

## PHOTOMETRIC PLAN

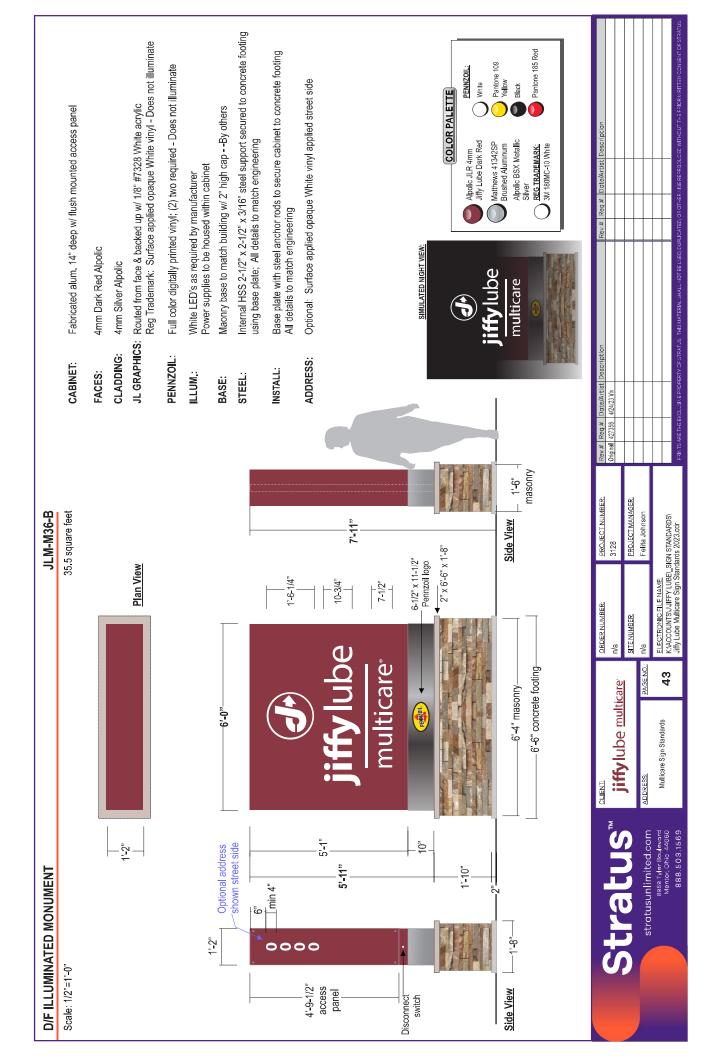


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# Design Development Plans





## Fresh Coast Planning

119 <sup>1</sup>/<sub>2</sub> Washington Avenue, Studio B Grand Haven, MI 49417 www.freshcoastplanning.com

Gregory L. Ransford, MPA 616-638-1240 greg@freshcoastplanning.com

**Julie Lovelace** 616-914-0922 julie@freshcoastplanning.com

Kevin Yeomans 616-821-4969 kevin@freshcoastplanning.com

Alexis Sorrell 616-773-4638 alexis@freshcoastplanning.com

#### **MEMORANDUM**

To: Allendale Charter Township Planning Commission

From: Kevin Yeomans
Date: January 4, 2024

Re: Dollar General Site Plan Application – 10955 48<sup>th</sup> Avenue

In accordance with Article 24 – Site Plan Review of the Allendale Charter Township Zoning Ordinance (ACTZO), attached is an application from Midwest V, LLC to construct a 10,640 square foot retail store at 10955 48<sup>th</sup> Avenue (Parcel # 70-09-25-200-013). The property is in the General Commercial Zoning District on 2.67 acres. Section 14.02.C of the ACTZO permits retail businesses that are completely enclosed in a building as a use by right. The building is proposed to be a Dollar General.

#### Preliminary Review Observations and Findings

Pursuant to your direction, the applicant has submitted the site plan for preliminary review prior to scheduling the proposed project for final review. While the submission is for preliminary review, we conducted a comprehensive review related to the ACTZO to ensure the Applicant receives complete guidance early in the process. As you know, our notations within this memorandum are not composed of the traditional review format (i.e., any applicable review standards, suggested conditions, etc.) given the preliminary nature of the review. Based on this, we provide our ordinance findings and observations below.

#### Section 21.10 Deferred Parking

The proposed retail store is required to provide 54 spaces. The applicant has proposed to immediately provide 32 spaces and has requested for 22 spaces be deferred. As you are aware, Section 21.10 — Deferred Parking of the ACTZO gives the Planning Commission the authority to approve a request for deferred parking if the applicant provides written evidence that the proposed parking is sufficient to meet the parking needs of the proposed use.

Attached to this memo is a copy of a letter from the applicant regarding the parking history of Dollar General. The Commission must determine if the provided letter is satisfactory evidence that the proposed parking will sufficiently meet the needs of the proposed use. Further, the Commission must determine if approval, approval with less deferred parking, or denial of the proposed deferred parking is appropriate.

#### Section 21.04 Parking Lot Construction Requirement

Per subsection 21.04.C – Parking Lot Construction Requirement of the ACTZO, an off-street parking lot that abuts an existing or proposed residential land use is required to be setback a minimum of 30 feet. However, when the abutting property is master planned for commercial or industrial uses the Planning Commission has the ability to authorize the parking lot setback to be reduced to not less than five feet. In order to authorize a reduced setback, the Planning Commission must determine that the reduction is not likely to adversely impact nearby residents and property. Further, if a reduction is approved the Planning Commission may require additional landscaping, solid fencing, a wall or other similar measures.

The proposed deferred parking on the south of the property is proposed to be 18 feet and 7 inches from the south property line. The parcel to the south of the subject property is currently a part of the 48 West PUD. However, the property to the south of the subject

property is master planned as General Commercial (an excerpt of the future land use map with the subject property outlined in blue is provided below). As such, the Planning Commission must determine if the proposed reduction is appropriate and if so, are any further screening measures necessary.



Image 1: Future Land Use Map Excerpt

#### Section 21A.04 Greenbelt Requirements

As you'll see on sheet L1.0 in the included site plans, the proposed use is required to have two greenbelts. One greenbelt along the south property line and one along the west property line. The south greenbelt is required to contain 21 trees and 42 shrubs. The west greenbelt is required to have 14 trees and 28 shrubs. Further, subsection 21A.04.H – Berms, Walls, and Fences of the ACTZO allows for the Planning Commission to authorize a 50 percent reduction of these requirements if a solid wall of fence is used for all or part of the greenbelt.

The applicant has proposed to install a six (6) foot tall, solid wood fence along the south and west property lines. As a result, they have requested that the planting requirement be reduced by 50 percent. The Commission must determine whether to approve, approve with a lesser reduction, or deny the request to reduce the required number of plantings.

#### Section 24.06.A General Access Requirements

As you are aware Section 24.06.A – General Access Requirements of the ACTZO gives the Planning Commission the authority to require parking lots on contiguous parcels be connected and for driveways to be shared. Based on previous Planning Commission decisions we directed the applicant to provide a shared access easement on the north and south of the property.

The applicant has provided a shared access easement on the south of the property. However, in order to limit the disturbance to the wetlands and avoid conflicts with existing utility easements they have not included and access easement to the north. As such, the Planning Commission must determine if the applicant's request will

be granted or denied. Following is an excerpt of the criteria the Planning Commission must use when determining whether or not access control measures are necessary.

- a. The type and location of commercial uses on the site and adjacent to the site.
- b. The location, size and design of existing and proposed parking areas.
- c. The existing and projected traffic volume on the roadway and adjacent roadways.
- d. Compatibility between adjacent land uses and likelihood of change or expansion.
- e. Number of parcels involved, location of lot lines and amount of road frontage.
- f. Topography and site distance along adjacent roadways and on the site.
- g. Distance from intersections.
- h. Location of driveways opposite the site.
- i. Width of roadway and number of lane.
- j. Environmental limitations (steep slopes, water, or vegetation).
- k. Sufficient building setback.
- I. Recommendation of the Township Master Plan.

#### Section 24.06.H Waste Disposal Facilities

As you'll see on sheet A3.01 the applicant has proposed a dumpster enclosure that is six foot tall and constructed of split face block painted to match the building with a wooden fence gate. As you are aware, subsection 24.06.H.2.a — Enclosures of the ACTZO requires an enclosure to be constructed with durable materials that complement and match the materials used in the principal structure. As proposed, the enclosure does not match in materials because the principal structure does not contain any split faced block. Further, while they have proposed to paint the block to match, painting the block may not meet the durability standards as it is likely to fade and chip over time. The Planning Commission must determine if the split face block is sufficient to meet the requirement to match the principal structure. Further, you must determine if painting the split face block with sufficiently meet the durability requirements of this section.

Additionally, the gate is proposed to be wooden slats installed on metal frame painted to a color of the owners choice. In regard to durability, when exposed to the elements wood can warp, split and become damaged resulting in a gate that may not properly screen the dumpster. In regard to matching paint color by owner, there is no guarantee it will match the principal structure. The Commission must determine if the proposed wood fence will be appropriate as durable or is required to be of a more durable material. Additionally, the Commission must determine is there will be any requirements on what color the gate can be..

#### Section 24.06. J Building Appearance

As you are aware commercial and mixed use buildings are required to be finished with brick, architectural masonry block, stone, glass or a combination of these materials. Further the Commission is granted the authority to review and may approve other developing building materials. In determining whether a material is appropriate, the Commission must find that the material proposed meets the intent of Section 24.06.J – Building Appearance of the ACTZO and meets architectural, safety and other requirements of building codes, fire code, and other applicable ordinances.

The applicant has proposed Nichiha Vintagebrick™ on the west, south, and east facades. In addition to the architectural drawings on sheet A3.01 the applicant has provided an excerpt from Nichiha's catalog that show the proposed material. In 2022, a similar Nichiha product was approved for the Wendy's located at the northeast corner of Lake Michigan Drive and 48<sup>th</sup> Avenue.

The Planning Commission must determine whether to approve, deny, or request more information regarding the proposed Nichiha Vintagebrick<sup>tm</sup>

#### County and Township Staff Reviews

Ottawa County Road Commission

At this time the Road Commission has not provided any comments for this project

Fire Department

The Fire Department will require the installation of a Knox Box but has no other concerns with the proposed plans.

Township Public Utilities Department

Superintendent Chad Doornbos provided comments to the applicant and is satisfied with the plan provided.

Township Facilities Department

The Facilities Department's has no comments for the project at this time.

Township Engineer

Per the Township Engineer's review the proposed use is below the Zoning Ordinance's threshold for a Traffic Impact Study and no further traffic analysis is required. Further, all other comments contained in the Township Engineer's letter dated October 31, 2023 have been addressed by the applicant.

#### **Planning Commission Considerations**

As the Planning Commission performs their preliminary review of this request, the following warrant your review and consideration:

- If the proposed deferred parking is approved, approved with lesser deferred parking, or denied.
- If the reduced parking lot setback is approved. If so, will you require any additional landscaping or screening.
- If the requested reduction in greenbelt plantings is approved, approved with a lesser reduction, or denied.
- If the proposed south access easement with no access easement to the north meets the criteria of the Zoning Ordinance or if further changes are needed.
- If the proposed dumpster enclosure is acceptable.
- If the proposed exterior materials are acceptable

The application has been scheduled for your preliminary review at your January 15, 2024 meeting. If you have any questions, please let us know.

KLY Planner

Attachments

cc: Adam Elenbaas, Supervisor



"Where community is more than just a concept!"

# Planning Commission Application

Submission Date: 1	0/2/2023		
Application for Site I	Plan Review in conjunction with w	hich of the follow	ing:
Site Plan Rev	· ·	☐ Special	Amendment (including PUD) Use Application
Rezoning		☐ Other:_	
Property Owner:	48th Student Housing, LL	С	
Mailing Address:	333 Washington, Suite 20	0, Grand Have	n, MI 49417
Phone Number:		Cell Phone:	
Email Address:		Fax:	
Owner's Signature:			
Applicant Name: (if not owner)	Midwest V, LLC		
Mailing Address:	1435 Fulton Street Grand	Haven, MI 494	17
Phone Number:	616-842-2030	Cell Phone:	616-843-7380
Email Address:	jared@westwind.build	Fax:	
Applicant's Signature:	Attend		
Who is the responsi	ole party for future invoices. Che	ck one:	Property Owner X Applicant
Architect, Engineer, f necessary):	Attorney or other professionals a	ssociated with the	project (attach additional sheets
Contact:	Mitten State Engineering, I	PLLC	
Mailing Address:	422 E Orchard St Delton,	ИI 49046	
Phone Number:	269-364-5626	Cell Phone:	
Email Address:	tyler.cravens@mittenstatee	eng.com Fax:	
Address of Proper	ty: 10955 48th Avenue Alle	endale MI 4940	11

Permanent Parcel Number	: 70 - 0	9 - 25	5 - 200 - 01:	3		
Legal Description of Proper	ty (or attach	to the a	oplication): TH∕	AT PART OF THE	SOUTHE	AST QUARTER OF THE NORTHEAST
QUARTER OF SECTION 25, TOWN 7 NORTH	I, RANGE 14 WEST	ALLENDALE	TOWNSHIP, OTTAWA COL	INTY, MICHIGAI	N, DESCRI	BED AS: COMMENCING AT THE
NORTHEAST CORNER OF SAID SECTION;	THENCE SOUTH 00	* 21' 21" EAST	ON THE EAST LINE OF S	AID SECTION 13	70.00 FEE	T; THENCE SOUTH 89* 38' 39*
WEST PERPENDICULAR TO SAID EAST SE	CTION LINE 50.00 F	EET TO THE F	OINT OF BEGINNING OF	THE LAND HERE	EIN DESC	RIBED, THENCE SOUTH 00° 21' 21"
EAST PARALLEL WITH SAID EAST SECTION	N LINE 284.09 FEET	; THENCE SO	JTH 89° 38' 39" WEST PER	PENDICULAR T	O SAID E	AST SECTION LINE 410.00 FEET;
THENCE NORTH 00° 21' 21" WEST PARALLI SECTION LINE 410.00 FEET TO THE POINT					9" EAST P	ERPENDICULAR TO SAID EAST
Lot Area: 2.67 Acres	Lot De	oth: 4	10.00'	Lot W	/idth:	284.09'
Current Zoning of Parcel:	GC	Current	Use of Parcel:	Vacant		
Proposed Use of Parcel:	Construc	tion of a	retail store w	ith corre	spond	ling parking,
utilities, storm water ma	anagemen	t, and la	indscaping.			
Name of Proposed Development (if applicable	): Retail S	Store				and the same of th
Name of Proposed Building to be constructed:	Allenda	ale Reta	il Store		т-	
Square feet of gross:	10,640 sf	Square	feet of usable flo	or area:	8,51	2 sf
Number of Permanent Employees (if applicable):	8-10					

- Please include 5 sets of the proposed Site Plan and 1 electronic copy for staff review along with your application and escrow fee. (When ready for submission to the Planning Commission, smaller than typical plans are allowed when they can be easily interpreted and are to scale.)
- Please see Resolution 2011-2 for our full escrow fee policy. If you would like a copy of this
  policy it is available online or by request at the Township office.
- If your escrow is not kept up to date, according to our policy, the Township reserves the right to
  withhold approval of your project, issue a stop work order, or withhold final occupancy until the
  escrow balance is made current.

or Office Use Only			 -	
Date		 		
Date Received:		 		
Amount Paid:		Check No:		
Notes:	10			

## ALLENDALE CHARTER TOWNSHIP

## **Allendale Public Utilities**

Mr. Kevin Yeomans Associate Fresh Coast Planning 119 1/2 Washington Ave, Studio B Grand Haven, MI 49417

Date: 10/17/2023

Project: Dollar General

Mr. Yeomans,

After review of the site plan for Dollar General, the Utility Department has the following comments;

- 1. The store will be a connection to the water and sewer system.
- 2. The 1.5" water service shall be copper
- 3. Upon approval from the Planning Commission, the applicant will need to submit construction plans and the construction plan review fee to the Utility Department
- 4. The applicant will need to submit a Non-Domestic User Application (Included with this email) to the Utility Department upon approval from the Planning Commission.

The Utility Department reserves the right to make any future comments as necessary.

Thank you,

Chad Doornbos

Superintendent of Public Utilities

Allendale Charter Township

6676 Lake Michigan Dr. Allendale, MI 49401

616-892-3117



October 31, 2023

Gregory Ransford, MPA Fresh Coast Planning 950 Taylor Avenue, Suite 200 Grand Haven, Michigan 49417

RE: Dollar General – 10955 48<sup>th</sup> Avenue Planning Commission Review

Dear Mr. Ransford:

Fleis & VandenBrink (F&V) received the Dollar General at 10955 48<sup>th</sup> Avenue construction documents on October 9, 2023, which were prepared by Mitten State Engineering and dated August 1, 2023.

F&V staff have performed a review of the aforementioned plan set and have the comments below to offer. Additionally, it is noted that the applicant should ensure plans are sent to Ottawa County Water Resources Commission for review and approval of the storm water management (SWM) of this site and that the Township is performing their own review of the water and sanitary sewer systems.

#### **SHEET C100:**

• The sidewalk removal limits at the existing driveway will need to correspond with the proposed limits of construction on Sheet C101. The sidewalk is currently shown as extending into the driveway approach on the site plan sheet, but the removal limits are only to the back of curb on the demolition sheet.

#### **SHEET C101:**

- Key Note No. 1 specifies "Concrete Sidewalk, Typ. (See Details)." A sidewalk detail should be
  included in the construction details, in accordance with the MDOT R-28-J and R-29-J details. All ADA
  Ramps, specifically at the existing driveway approach, will need a detectable warning surface. The
  existing sidewalk crossing the concrete driveway should be 8" thick with WW Mesh Reinforcement,
  per section 02501-3 of the Allendale Charter Township Standard Construction Requirements.
- Key Note No. 2 specifies "Asphalt or Concrete Valley Gutter (See Details)." A valley gutter detail
  should be included in the construction details for the proposed valley gutter throughout the parking
  lot
- Confirm that the existing curb and gutter dimensions at the driveway approach match the proposed dimensions. The Ottawa County Road Commission standard for commercial driveway approaches proposes F4 curb and gutter.
- The curb and gutter surrounding the heavy-duty concrete does not appear to be to scale, per the dimensions shown in the detail.
- In the Pavement Legend the "Concrete/Asphalt Pavement" is shown as one hatching style. Provide clarification for where asphalt and concrete pavement are being proposed for the parking lot pavement or differentiate with different hatch styles.

#### **SHEET C102:**

- Existing sidewalk grades within and approaching the driveway should be reviewed for compliance with ADA standards.
- Existing grades of driveway approach should be examined in relation to proposed for potential drainage conflicts.

#### **SHEET C103:**

- The invert and rim elevations for structure number four are inconsistent between the structure table and the detail.
- The 2.25" diameter hole shown in the detail should be scaled larger than the 1.25" diameter hole.
- A storm manhole detail should be added for structure number five, in compliance with detail 02720 MH of the Allendale Charter Township Standard Construction Requirements.
- Provide drainage and detention calculations for detention basin.

Additionally, a trip generation analysis was performed to verify whether a Traffic Impact Study (TIS) would be needed in accordance with the Township Zoning Ordinance. Analysis was performed utilizing a land use category of Variety Store, ITE Land Use Code 814 to categorize the proposed Dollar General for evaluation. The trip generation analysis was performed assuming 10,640 SF of floor area as depicted in the received plans.

The trip generation is summarized below and shows that the trip generation for the proposed development is below the Township Zoning Ordinance thresholds and no further traffic analysis is required for this site.

Land Use	ITE Code	Size	Unit	Weekday Average Daily	AN	l Peak Ho	our (vph)	PM	l Peak Ho	ur (vph)
	Code			Traffic (vpd)	In	Out	Total	ln	Out	Total
Variety Store	814	10,640	SF	677	18	14	32	36	35	71
		TIS Th	reshold	750	50	50	n/o	50	50	n/o
	Meets T	IA/TIS Thr	eshold	No	No	No	n/a	No	No	n/a

FLEIS & VANDENBRINK

Emma McDonald Civil Engineer in Training

Gmma

Brant Mercer, P.E. Project Manager

cc: Kevin Yeomans, Fresh Coast Planning

Chad Doornbos, ACT



## Allendale Charter Township Fire Department

FIRE DEPARTMENT

FIRE CHIEF
MICHAEL KEEFE

DEPUTY CHIEF
RANDY BOSCH

CAPTAIN BUSINESS FIRE INSPECTOR TONY DOLCE

LIEUTENANT
TRAINING OFFICER
SCOTT HARKES

LIEUTENANT
RENTAL INSPECTOR
KYLE GARLANGER

LIEUTENANTS
WILLIAM
O'DONNELL
BRUCE NAGELKIRK
DAVE MARSHALL
STEVE WOLBRINK

SERGEANTS
CHRIS HOLMES
NICK RICHARDS
DOUG ANDERSON
JOE FLAGSTADT
TROY TELLER
ERIC BUSSCHER



October 10, 2023

Gregory Ransford, Planner Planning Commission 6676 Lake Michigan Drive

RE: 10955 48th Avenue Dollar General Allendale, MI 49401

#### Greg:

Site plan for 10955 48th Ave has been completed by Allendale Fire. Print has adequate fire department access. There is adequate water supply for the building.

All new buildings in Allendale Twp. are required by code *IFC2012 506.1* to have a Knox box installed on the building for Fire Department access.

Respectfully submitted

Capt. Tony Dolce Fire Inspector Allendale Fire Department 616-892-3116 tonydolce@allendale-twp.org



August 1<sup>st</sup>, 2023

## RE: STORMWATER NARRATIVE FOR THE ALLENDALE RETAIL STORE AT 10955 48<sup>TH</sup> AVE, ALLENDALE CHARTER TOWNSHIP

Dear Mr. Bush and Mr. Chase,

This letter is intended to summarize our calculations and findings for the Allendale Retail Store project proposed in Allendale Charter Township. The online LGROW Design Spreadsheet was utilized for our calculations and are attached. As you know the LGROW Design Spreadsheet classifies land uses by land type and soil type. We mapped soil types from the USDA database and measured land use areas of each. We typically classify soils with a hydraulic group rating of A as good, B & C as fair, and D as poor. This site does not contain any class A (good) soils, but are a mixture of class B, C, and D soils as represented in the provided soil land use exhibit. Runoff areas were measured in AutoCAD for existing and proposed conditions and inserted in the LGROW sub-catchment Area 1.

We examined the site using a mixture of topographic survey information and Lidar topography to create existing and proposed watershed exhibits. The existing site is split into 5 separate watersheds. One watershed near each property line shedding water in both directions to and away from the site property and a main watershed collecting stormwater runoff in existing low pockets until it eventually overflows to the north. The proposed watersheds are similar with our design to reduce or equal the amount of runoff away from the site property and construct stormwater detention to address the increased runoff on site.

The Water Quality Volume is primarily provided in a longitudinal portion of the detention basin and filtered through a stock check dam as well as the use of manhole sumps in each stormwater catch basin. The Channel Protection Volume is also provided in the extended detention basin with a controlled release at the channel protection rate through the outlet control structure. The Flood Control Volume is provided in the primary detention basis for a 100-year, 24-hour event as required by the OCWRC. Volume calculations are shown in the LGROW spreadsheet. It shall be noted extended detention is required due to poorly draining soils (<.1 in/hr per infiltration testing done). Certification form will be provided.

The allowable release was calculated using the allowable rate of 0.13 cfs/acre and is determined to be 0.28 cfs based on 2.13 Acres within the site limits. We used a short orifice equation to determine orifice sizes in the outlet control structure based on the head within the pond. The lower orifice was calculated to be 1.25" using a head of 0.6' which correlates to the pond elevation at the extended detention volume of 4,332 CF. The upper orifice was calculated to be 2.25" using the difference in head from the flood control elevation of 662.5 to each orifice respectively and combining to a release rate of 0.27 cfs.

The emergency spillway previously proposed to the north was eliminated reduce impacts to wetlands. A second inlet structure is now proposed in place of the overland flood spillway to provide the required emergency outflow from the detention basin.

**Summary Table** 

Required Water Quality Volume =	3,151 Cubic Feet
Provided Water Quality =	Provided with 80% TSS removal and a controlled
	and filtered release
Required Channel Protection Volume =	4,332 Cubic Feet
Provided Channel Protection =	Provided with Extended Detention
Required Flood Control Volume =	31,369 Cubic Feet
Provided Flood Control Volume =	31,509 Cubic Feet
Site Infiltration Rate =	< 0.1 in/hr
100-Year Design High-Water Elevation =	662.50
Bottom of Detention Pond Elevation =	659.70
Approximate Ground Water Elevation* =	657.00 +/-

Note: Groundwater elevation varied during the soil borings and was encountered at all depth from just below surface level in some borings and not encountered at all (>20') in some borings. We believe this is due to the high levels of clay encountered that has created wet pockets in the soil over time. There were a couple soil borings that indicated wet pockets were encountered around the elevation of 657.00, so we took that elevation into account in our design and made the proposed bottom elevation of the pond above 659.00 to have 2.0' of potential clearance to wet ground.

Sincerely,

Mitten State Engineering, PLLC

Tyler Cravens, P.E. 10123 S M43, Suite E

Delton, MI 49046

(269) 364-5626

Tyler Bourdo, P.E. (269) 716-0175



#### LOWER GRAND RIVER Design Spreadsheet: Ottawa County Water Resources Commissioner **Site Summary**



#### Version 3.3

- 1) After opening the spreadsheet you will need to enable the use of an embedded macro. Look for security warning above and click "Enable Content."
- 2) Data is entered in yellow cells. Green cells allow selection of items from pull down menus or buttons.
- 3) Comments are indicated by red triangles in cells. Further direction is provided in the LGROW Design Spreadsheet Tutorial.
- 4) The spreadsheet can be used to model a single discharge point from the site including structural BMPs in series or parallel.

Project Description									
	Allendale Township								
	Allendale Charter 1	Fownship - 48th Ave							
	s 10955 48th Ave								
	westwind Constru								
	Mitten State Engin	eering							
	r Tyler Bourdo, PE								
Dat	Date 8/1/2023								
	Select if Yes	Notes							
Drainage Distric									
Watershed Polic									
Redevelopmen									
MS									
Hotspo									
Coldwater Stream	n 🗆 🗀								
Sensitive Areas									
Indicate on site plan and select all that apply.									
Description		Notes							
Other		Nearby wetlands							
other									
Channel Distortion Volume Pa	·i.								
Channel Protection Volume Bas	sis								
Pre-development Land Use Definitio	n Existing	Notes							
Pre-development Land Use Definitio Not Require	n Existing	Notes							
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#### Design Spreadsheet: Ottawa County Water Resources Commissioner Subcatchment Results Summary



#### **Subcatchment Hydrology Summary**

Subcatchment Name		Existing			Developed	
Subcatchment Name	Area [ac]	% Impervious	Pervious CN	Area [ac]	% Impervious	Pervious CN
Sub1	2.13	0%	80	2.13	32%	81
Site Totals and Averages:	2.13	0%	80	2.13	32%	81

#### **Channel Protection Volume from Structural BMPs**

Subcatchment Name	Channel Protection Volume [cft]						
Subcatchment Name	Required	Upstream	Credited	Unmet			
Sub1	4,029	0	0	4,029			
Total	4,029		0				

	·
0	Percent of Channel Protection Volume met by Onsite Retention
4,029	Minimum Required Extended Detention Volume [cft]
0.031	Required Extended Detention Release Rate [cfs]
1.35	1-year Existing Peak Discharge [cfs]

#### **Water Quality Volume and TSS Removal**

Code and allower Allows	Water Quality	Malana - 84-4		Т	SS	
Subcatchment Name	Volume [cft]	Volume Met	Generated	Upstream	Total	Removed
Sub1	3,111	Yes	3,111	0	3,111	2,498
	2444	V	2444			2 400
Total	3,111	Yes	3,111		noval Efficiency [%]	2,498

TSS Removal Efficiency [%] 80
80% TSS removal met? Yes





# Design Spreadsheet: Ottawa County Water Resources Commissioner Subcatchment Sub1



1. Description	
Subcatchment Description:	Site Area

## 2. Runoff Click here for documentation

				Curve I	Number
Existing Land Use	HSG	Area	Units	Existing	Pre-settlement
Open spaces (grass cover) - poor	D	40,040	sqft	89	78
Open spaces (grass cover) - fair	С	24,309	sqft	79	71
Open spaces (grass cover) - fair	В	28,556	sqft	69	58
			sqft		
			sqft		
			sqft		
			acre		
			acre		
			acre		
	•	2.13	acre	80	70

#### Notes:

Developed Land Use	HSG	Area	Units	Curve Number	Notes
DIST: Impervious (paved parking lot, roof, driveway, etc.)	D	27,903	sqft	98	
DIST: Open spaces (grass cover) - poor	D	12,081	sqft	89	
DIST: Open spaces (grass cover) - fair	С	15,530	sqft	79	
DIST: Open spaces (grass cover) - fair	В	23,404	sqft	69	
S-BMP: Water	С	8,835	sqft	100	
DIST: Impervious (paved parking lot, roof, driveway, etc.)	В	1,705	sqft	98	
S-BMP: Water	В	3,373	sqft	100	
			acre		
			acre		
		2.13	acre	81	

#### Notes:

#### **Subcatchment Runoff Volume for Developed Land Use**

Rainfall Frequency	1-year	2-year	10-year	25-year	100-year
Volume from this Subcatchment [cft]	10,008	12,067	20,607	27,731	41,611
Volume from Upstream Subcatchments [cft]	0	0	0	0	0
Cumulative Runoff Volume [cft]	10,008	12,067	20,607	27,731	41,611
Volume Retained by BMPs this Subcatchment [cft]	0	0	0	0	0
Volume Released [cft]	10,008	12,067	20,607	27,731	41,611

# 3a. Required Channel Protection Volume Is Channel Protection Volume required? If no, provide reason. 2-year, 24-hour Runoff Volume for Developed Condition [cft] 2-year, 24-hour Runoff Volume for Pre-development Condition [cft] 8,038 Minimum Required Channel Protection Volume this Subcatchment [cft] Unmet Channel Protection Volume from Upstream Subcatchments [cft] Required Channel Protection Volume [cft] Notes:



Structural BMP	A Infiltration Area [sqft]	V Storage Volume [cft]	i Design Infiltration Rate [in/hr]	Drain Time [hr]	Volume Provided [cft]
				N.A.	
				Total Volume	0
	Perc		Credited Channel I Protection Volume		
otes: Infiltration Rate Calculator for BMP Media	Perc				
	Perc				
. Infiltration Rate Calculator for BMP Media		entage of Channel	Protection Volume		0% Value
. Infiltration Rate Calculator for BMP Media		entage of Channel  Weight	Protection Volume	Met by Retention	0% Value
. Infiltration Rate Calculator for BMP Media		entage of Channel  Weight 0	Protection Volume  Average He Depth	Met by Retention	0% Value
. Infiltration Rate Calculator for BMP Media		entage of Channel  Weight 0	Protection Volume  Average He Depth	Met by Retention  ad on the Filter [ft] of Filter Media [ft]	0% Value
. Infiltration Rate Calculator for BMP Media	K [ft/day]	entage of Channel  Weight 0	Protection Volume  Average He Depth	Met by Retention  ad on the Filter [ft] of Filter Media [ft]	0% Value

4. Water Quality Volume	Click here for do	cumentation	
Sum of Directly Connected Impervious Area [ac]	0.68	]	
Flat Roofs/Unpaved [ac]	0.00		
Pitched Roofs [ac]	0.24		
Paved [ac]	0.44		
Sum of Directly Connected Disturbed Pervious Area [ac]	1.17		
Sandy Soils (HSG A) [ac]	0.00	]	
Silty Soils (HSG B) [ac]	0.54		
Clayey Soils (HSG C&D) [ac]	0.63		TSS
Minimum Required Water Quality Volume this Subcatchment [cft]	3,111	Generated this Subcatchment	3,111
Water Volume from Upstream Subcatchments [cft]	0	From Upstream Subcatchments	0
Water Volume to be Treated [cft]	3,111	TSS to be Treated	3,111
Notes:			

	Treated Water		TSS Removal Efficiency			
BMPs Used in Treatment Train	Volume [cft]	Tabulated	Third-Party Supplied	Effective	TSS Removed	
PASS: Catchbasin	200	22		1	44	
PASS: Catchbasin	200	22		1	43	
PASS: Detention Basin (extended)	4,332	72		72	2,177	
PASS: Constructed Filter	1,000	86		28	234	
					0	
					0	
					0	
					0	
Released Water Volume [cft]	3,111		Т	otal TSS Removed	2,498	
Water Quality Volume met?	Yes			TSS Remaining	612	
			TSS Rem	oval Efficiency [%]	80	

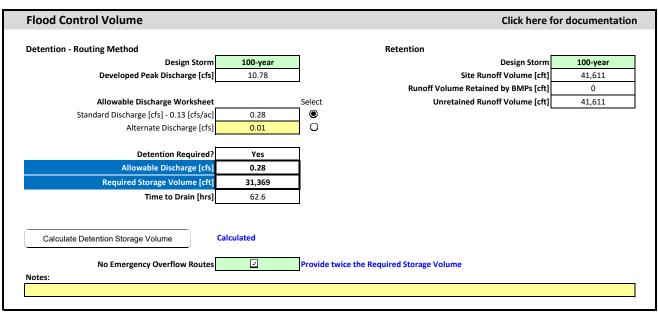


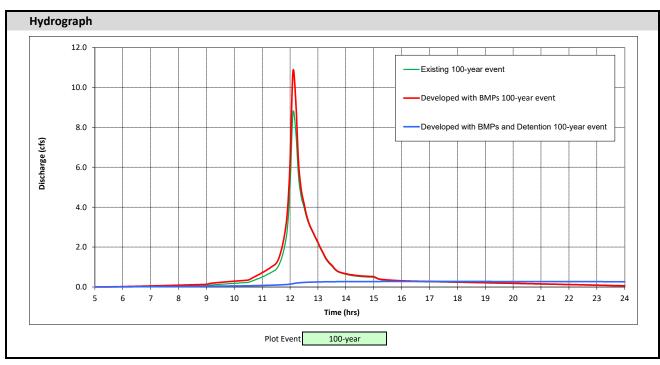


# **Design Spreadsheet: Ottawa County Water Resources Commissioner Flood Control**



Time-of-Concentration				Click here for documentation
	Worksheet	User	Value Used	Method Selected
Existing [hr]	0.28	0.40	0.28	Worksheet
Developed [hr]	0.25	0.25	0.25	
Notes:				•









#### LOWER GRAND RIVER Design Spreadsheet: Ottawa County Water Resources Commissioner **Summary Table**



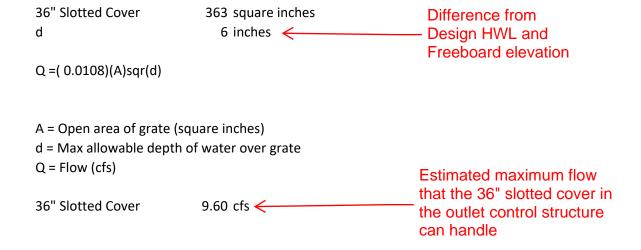
Results Summary  Volume Units	cft	ı			
voidine onto	CIT				
Rainfall					
Source and Distribution 24-	-bour NOAA Atlas 1/	4 at West Olive, Michiga	an NRCS MSF4		
Rainfall Frequency	1-year	2-year	10-year	25-year	100-year
Rainfall Depth [in]	2.25	2.59	3.91	4.95	6.90
Pre-settlement Land Use					
Average Runoff [in]	0.39	0.55	1.32	2.05	3.56
Peak Discharge [cfs]	0.46	0.78	2.21	3.62	6.61
Runoff Volume [cft]	3,049	4,283	10,244	15,834	27,573
_					
Existing Land Use					
Percent Impervious	0%	0%	0%	0%	0%
Average Runoff [in]	0.81	1.04	2.05	2.92	4.65
Peak Discharge [cfs]	1.35	1.81	3.79	5.53	8.73
Runoff Volume [cft]	6,243	8,038	15,844	22,586	35,989
_					
Developed Land Use					
Percent Impervious	32%	32%	32%	32%	32%
Average Runoff [in]	1.29	1.56	2.66	3.58	5.38
Peak Discharge [cfs]	2.57	3.15	5.46	7.29	10.78
Runoff Volume [cft]	10,008	12,067	20,607	27,731	41,611
Volume Retained by BMPs [cft]	0	0	0	0	0
Volume Released [cft]	10,008	12,067	20,607	27,731	41,611
Peak Discharge Released [cfs]	2.57	3.15	5.46	7.29	10.78
<u></u>					
Developed with BMPs and Detention					
Peak Discharge Released [cfs]	0.13	0.14	0.19	0.22	0.28
Maximum Volume Detained [cft]	6,475	8,025	14,587	20,197	31,369

Disclaimer: This spreadsheet is furnished by the Grand Valley Metropolitan Council (GVMC), Lower Grand River Organization of Watersheds (LGROW) and Fishbeck, Inc. (Fishbeck) for the convenience of the recipient to show compliance with stormwater standards. It is not intended for detailed BMP design. Any additional conclusions or information obtained or derived from this spreadsheet will be at the user's sole risk.



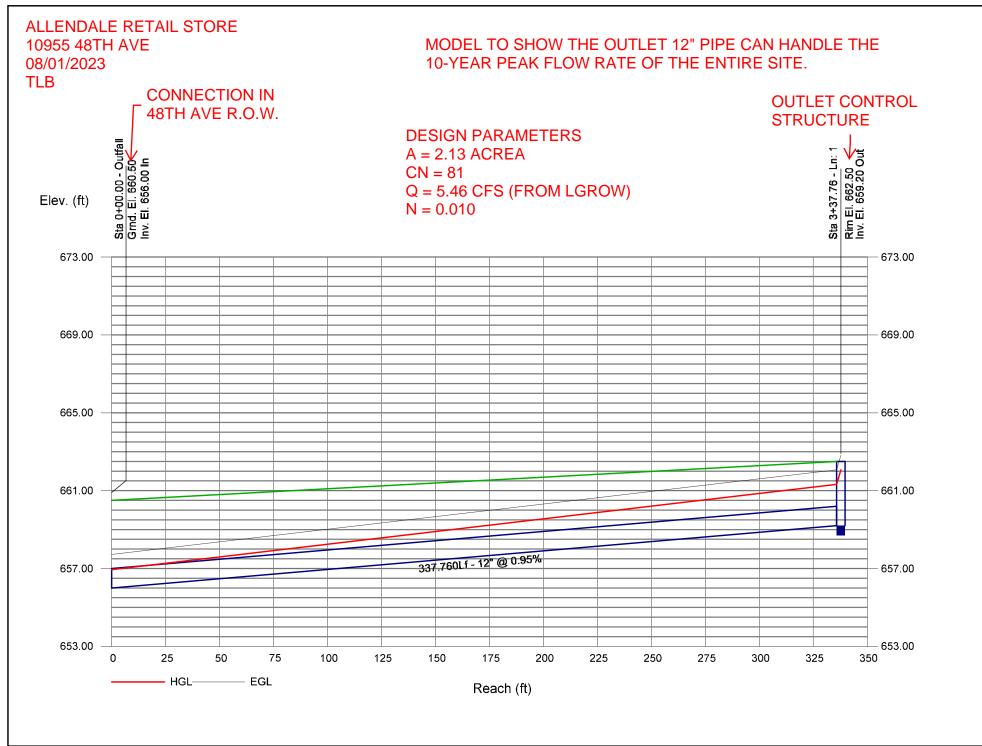
#### Allendale Store 08/01/2023 Tyler Bourdo, PE

#### **Emergency Overflow Calculation**

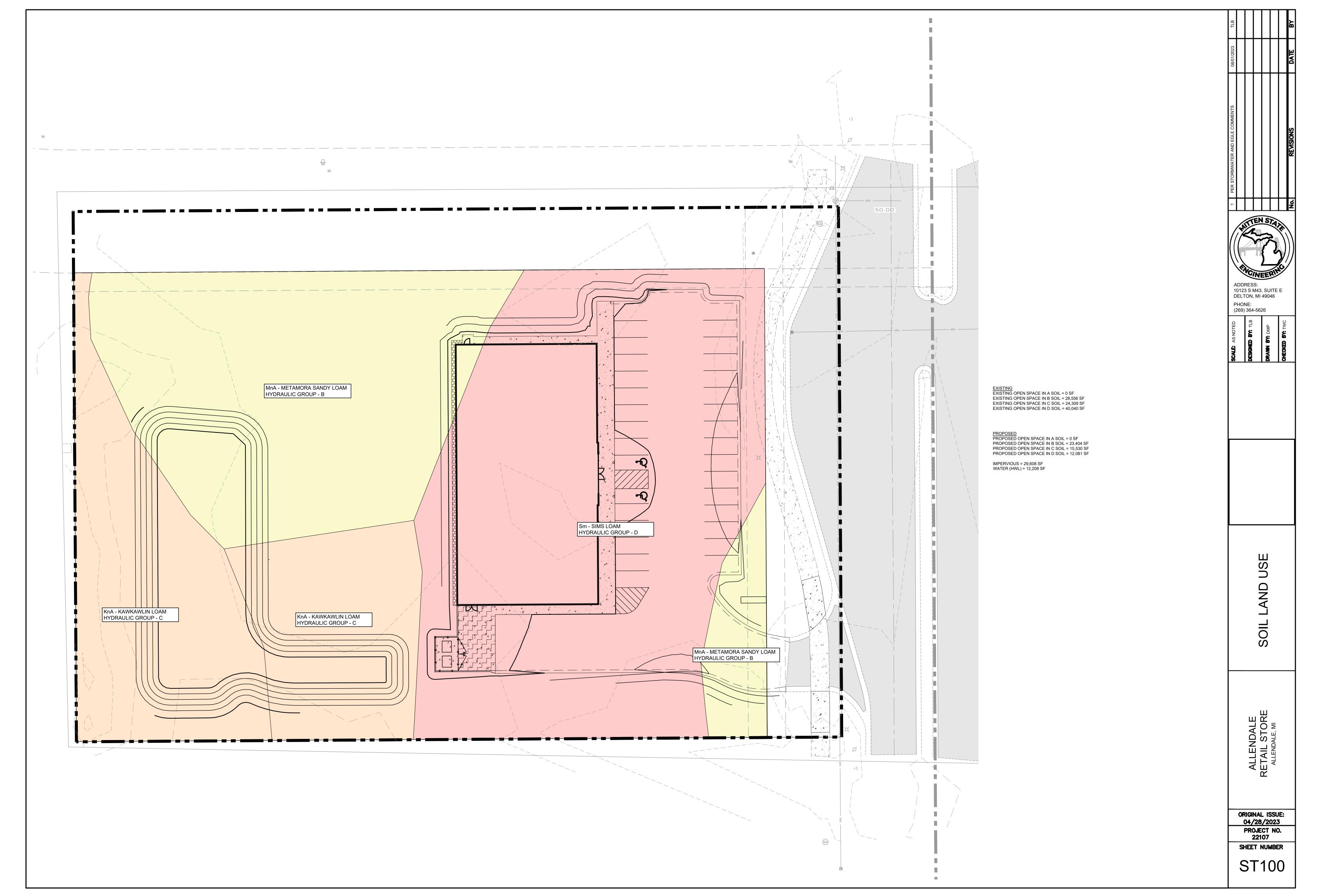


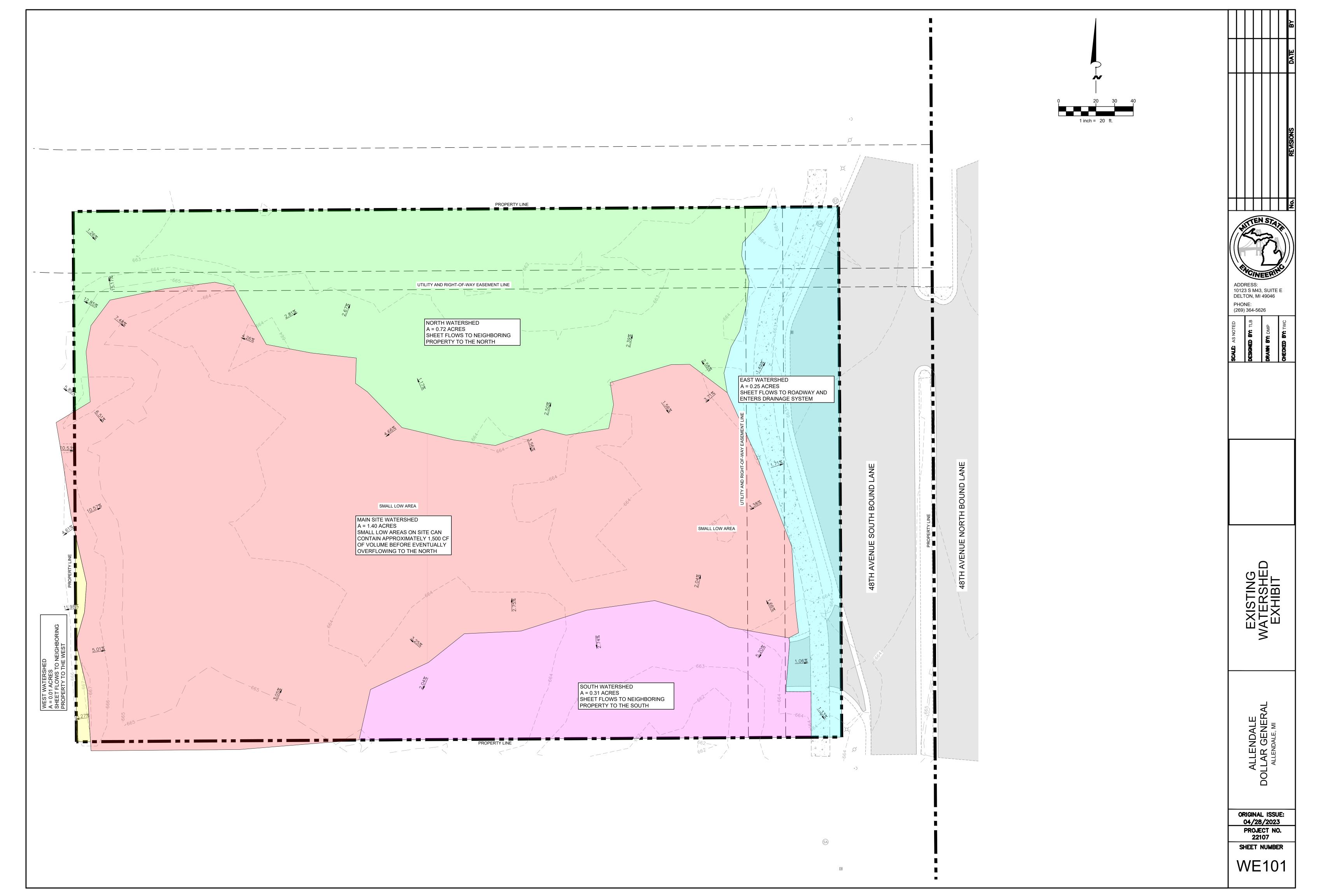
Note, the 25-YR, 24-Hr event = 5.46 cfs

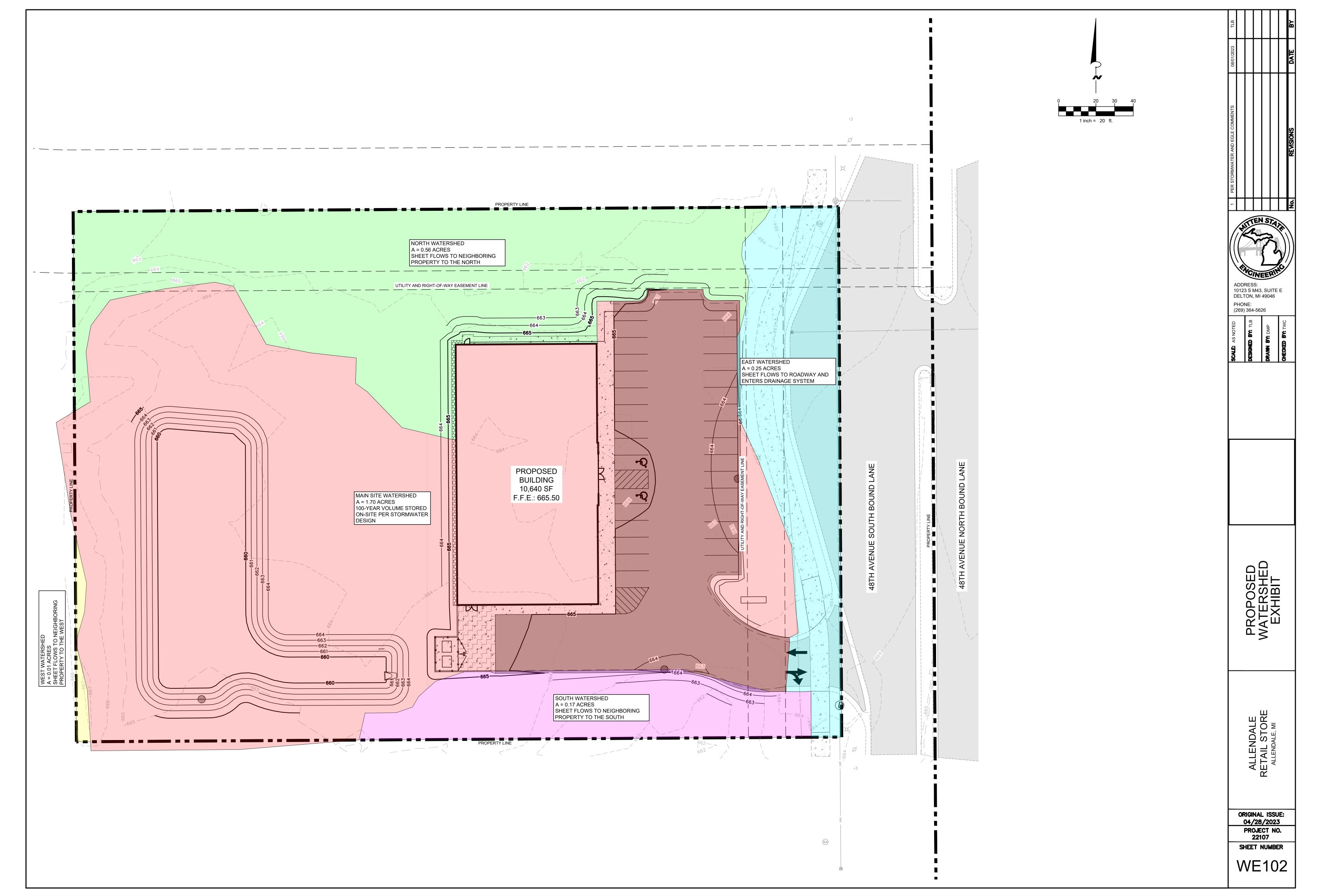
Storm Sewer Profile Proj. file: New.stm











#### CHANNEL PROTECTION ORIFICE

Project No. 22107

Project Name: Allendale Retail Store

Location: Allendale Charter Township

By:Tyler Bourdo, PEDate:6/26/2023Checked:Tyler Cravens, PEDate:6/26/2023

Description: Orifice Calculations

-Denotes a standard value cell.

-Denotes a cell where data input is required on a project specific basis.

-Denotes a calculation result cell.

Orifice flow calculation based on equation:

 $Q = Cd * A * (2g*h) ^ 1/2$ 

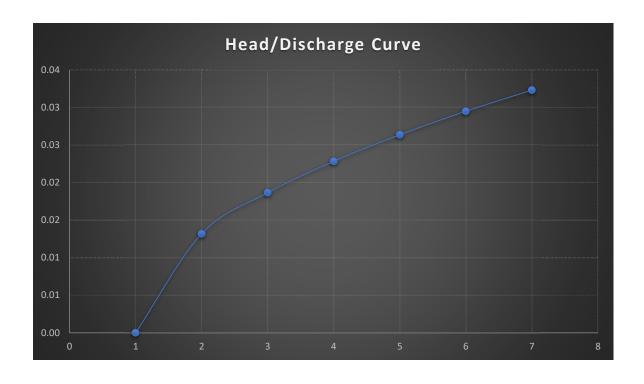
Where Q = Flow Rate (cfs), Cd = orifice coefficient (assume 0.61 for short tube), g = gravitational constant, h = head over pipe

#### Max oriface flow at given head

Cd	0.61	
Oriface size	1.25	in
Area (A)	0.009	sf
g	32.17	ft/sec^2
Head (h)	0.60	ft
Flow (Q)	0.032	cfs

#### **Outflow table**

Head step 0.1 ft



#### 1.25 ORIFICE AT 100-YEAR FLOOD CONTROL EVENT

Project No. 22107

Project Name: Allendale Retail Store

Location: Allendale Charter Township

By: Tyler Bourdo, PE Date: 6/26/2023
Checked: Tyler Cravens, PE Date: 6/26/2023

Description: Orifice Calculations

-Denotes a standard value cell.

-Denotes a cell where data input is required on a project specific basis.

-Denotes a calculation result cell.

Orifice flow calculation based on equation:

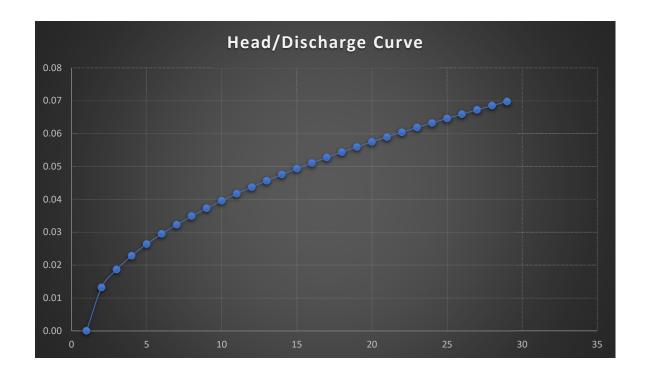
 $Q = Cd * A * (2g*h) ^ 1/2$ 

Where Q = Flow Rate (cfs), Cd = orifice coefficient (assume 0.61 for short tube), g = gravitational constant, h = head over pipe

#### Max oriface flow at given head

Cd	0.61	
Oriface size	1.25	in
Area (A)	0.009	sf
g	32.17	ft/sec^2
Head (h)	2.80	ft
Flow (Q)	0.070	cfs

## Outflow table Head step 0.1 ft



#### 2.25 ORIFICE AT 100-YEAR FLOOD CONTROL EVENT

Project No. 22107

Project Name: Allendale Retail Store

Location: Allendale Charter Township

By: Tyler Bourdo, PE Date: 6/26/2023
Checked: Tyler Cravens, PE Date: 6/26/2023

Description: Orifice Calculations

-Denotes a standard value cell.

-Denotes a cell where data input is required on a project specific basis.

-Denotes a calculation result cell.

Orifice flow calculation based on equation:

 $Q = Cd * A * (2g*h) ^ 1/2$ 

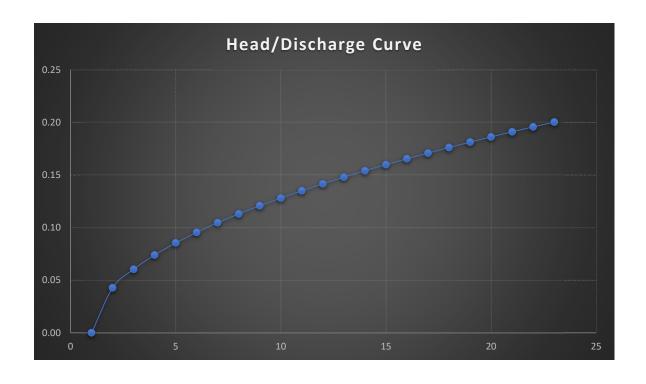
Where Q = Flow Rate (cfs), Cd = orifice coefficient (assume 0.61 for short tube), g = gravitational constant, h = head over pipe

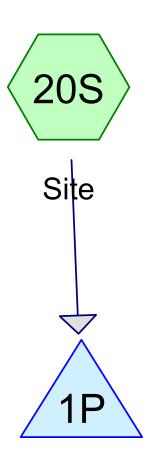
#### Max oriface flow at given head

Cd	0.61	
Oriface size	2.25	in
Area (A)	0.028	sf
g	32.17	ft/sec^2
Head (h)	2.20	ft
Flow (Q)	0.200	cfs

#### **Outflow table**

Head step 0.1 ft















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#### Rainfall Events Listing (selected events)

Event#	Event Storm Type		Curve	Mode	Duration	B/B	Depth	AMC
	Name				(hours)		(inches)	
1	100-Year	Type II 24-hr		Default	24.00	1	6.72	2

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#### Area Listing (all nodes)

Area	CN	Description	
(sq-ft)		(subcatchment-numbers)	
92,783	81	Site (20S)	
92,783	81	TOTAL AREA	

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#### Soil Listing (all nodes)

Area	Soil	Subcatchment
(sq-ft)	Group	Numbers
0	HSG A	
0	HSG B	
0	HSG C	
0	HSG D	
92,783	Other	20S
92,783		<b>TOTAL AREA</b>

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#### **Ground Covers (all nodes)**

	HSG-A (sq-ft)	HSG-B (sq-ft)	HSG-C (sq-ft)	HSG-D (sq-ft)	Other (sq-ft)	Total (sq-ft)	Ground Cover	Subcatchment Numbers
-	0	0	0	0	92,783	92,783	Site	2
								0
								S
	0	0	0	0	92,783	92,783	TOTAL AF	REA

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Time span=0.00-72.00 hrs, dt=0.10 hrs, 721 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment20S: Site Runoff Area=2.130 ac 0.00% Impervious Runoff Depth=4.55"

Flow Length=140' Slope=0.0125 '/' Tc=15.0 min CN=81 Runoff=11.95 cfs 35,143 cf

Pond 1P: Storage Peak Elev=662.48' Storage=25,367 cf Inflow=11.95 cfs 35,143 cf

Outflow=0.27 cfs 31,709 cf

Total Runoff Area = 92,783 sf Runoff Volume = 35,143 cf Average Runoff Depth = 4.55" 100.00% Pervious = 92,783 sf 0.00% Impervious = 0 sf

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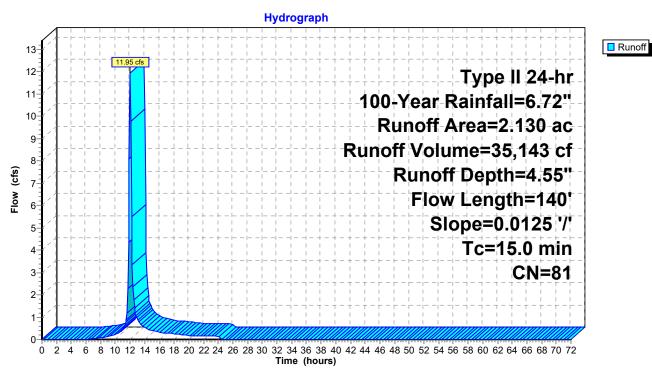
#### **Summary for Subcatchment 20S: Site**

Runoff = 11.95 cfs @ 12.01 hrs, Volume= 35,143 cf, Depth= 4.55"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-72.00 hrs, dt= 0.10 hrs Type II 24-hr 100-Year Rainfall=6.72"

	Area	(ac) C	N Desc	cription		
*	2.	130 8	1 Site			
2.130 100.00% Pervious Area						
	Тс	Length	Slope	Velocity	Capacity	Description
	(min)	(feet)	(ft/ft)	(ft/sec)	(cfs)	
	15.0	140	0.0125	0.16		Sheet Flow, TC Grass: Short n= 0.150 P2= 3.40"

#### **Subcatchment 20S: Site**



Runoff

(cfs)

0.00

0.00

0.00

0.00

0.00

0.00

0.00

0.00

0.00

0.00

0.00

0.00

0.00

0.00

0.00

0.00

0.00

0.00

0.00

0.00

0.00

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Time

(hours) 52.00

53.00

54.00

55.00

56.00

57.00

58.00

59.00

60.00

61.00

62.00

63.00

64.00

65.00

66.00

67.00

68.00

69.00

70.00

71.00 72.00 Printed 8/1/2023 Page 8

#### Hydrograph for Subcatchment 20S: Site

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

6.72

Precip. Excess

4.55

4.55

4.55

4.55

4.55

4.55

4.55

4.55

4.55

4.55

4.55

4.55

4.55

4.55

4.55

4.55

4.55

4.55

4.55

4.55

4.55

(inches) (inches)

	_	_	
Time (hours)	Precip. (inches)	Excess (inches)	Runoff (cfs)
0.00	0.00	0.00	0.00
1.00	0.07	0.00	0.00
2.00	0.15	0.00	0.00
3.00	0.23	0.00	0.00
4.00	0.32	0.00	0.00
5.00	0.42	0.00	0.00
6.00 7.00	0.54 0.67	0.00 0.02	0.01 0.04
8.00	0.81	0.02	0.07
9.00	0.99	0.09	0.14
10.00	1.22	0.18	0.22
11.00	1.58	0.36	0.48
12.00 13.00	4.46 5.19	2.51 3.15	<b>11.89</b> 0.91
14.00	5.51	3.44	0.53
15.00	5.74	3.64	0.41
16.00	5.91	3.81	0.32
17.00	6.06	3.94	0.28
18.00 19.00	6.19 6.30	4.06 4.16	0.24 0.21
20.00	6.40	4.25	0.18
21.00	6.48	4.33	0.17
22.00	6.57	4.40	0.16
23.00	6.64	4.48	0.15
24.00 25.00	<b>6.72</b> 6.72	<b>4.55</b> 4.55	0.15 0.00
26.00	6.72	4.55	0.00
27.00	6.72	4.55	0.00
28.00	6.72	4.55	0.00
29.00	6.72	4.55	0.00
30.00 31.00	6.72 6.72	4.55 4.55	0.00 0.00
32.00	6.72	4.55	0.00
33.00	6.72	4.55	0.00
34.00	6.72	4.55	0.00
35.00	6.72	4.55	0.00
36.00 37.00	6.72 6.72	4.55 4.55	0.00 0.00
38.00	6.72	4.55	0.00
39.00	6.72	4.55	0.00
40.00	6.72	4.55	0.00
41.00	6.72	4.55	0.00
42.00 43.00	6.72 6.72	4.55 4.55	0.00 0.00
44.00	6.72	4.55	0.00
45.00	6.72	4.55	0.00
46.00	6.72	4.55	0.00
47.00	6.72	4.55	0.00
48.00 49.00	6.72 6.72	4.55 4.55	0.00 0.00
50.00	6.72	4.55	0.00
51.00	6.72	4.55	0.00
			l l

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#### **Summary for Pond 1P: Storage**

Inflow Area = 92,783 sf, 0.00% Impervious, Inflow Depth = 4.55" for 100-Year event

11.95 cfs @ 12.01 hrs, Volume= Inflow 35,143 cf

0.27 cfs @ 17.27 hrs, Volume= Outflow 31,709 cf, Atten= 98%, Lag= 315.1 min

Primary 0.27 cfs @ 17.27 hrs, Volume= 31,709 cf

Routing by Stor-Ind method, Time Span= 0.00-72.00 hrs, dt= 0.10 hrs

Peak Elev= 662.48' @ 17.27 hrs Surf.Area= 11,341 sf Storage= 25,367 cf

Flood Elev= 680.00' Surf.Area= 13,920 sf Storage= 44,568 cf

Plug-Flow detention time= 1,108.8 min calculated for 31,665 cf (90% of inflow)

Center-of-Mass det. time= 1,061.6 min (1,870.9 - 809.4)

Volume	Invert /	Avail.Storage	Storage I	Description	
#1	659.70'	44,568 cf	Retentio	n/Detention B	asin (Prismatic)Listed below (Recalc)
Elevation (feet)	Surf.Ar (sq		c.Store c-feet)	Cum.Store (cubic-feet)	
659.70	6,9	987	0	0	

(feet)	(sq-ft)	(cubic-feet)	(cubic-feet)
659.70	6,987	0	0
660.50	8,192	6,072	6,072
661.50	9,753	8,973	15,044
662.50	11,375	10,564	25,608
663.50	13,057	12,216	37,824
664.00	13,920	6,744	44,568

Device	Routing	Invert	Outlet Devices		
#1	Primary	659.70'	1.2" Vert. Orifice/Grate	C= 0.610	Limited to weir flow at low heads
#2	Primary	660.30'	2.3" Vert. Orifice/Grate	C = 0.610	Limited to weir flow at low heads

Primary OutFlow Max=0.27 cfs @ 17.27 hrs HW=662.48' (Free Discharge)

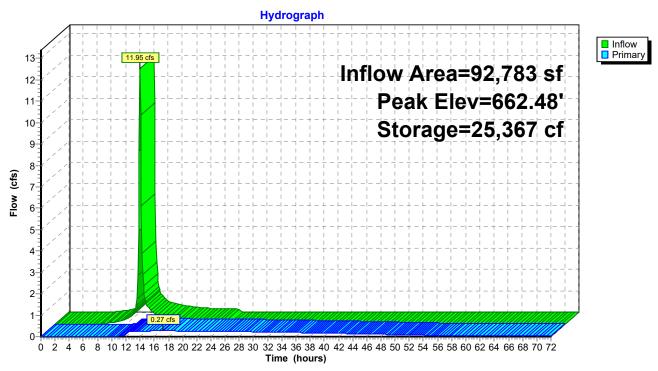
1=Orifice/Grate (Orifice Controls 0.06 cfs @ 8.09 fps)

**-2=Orifice/Grate** (Orifice Controls 0.20 cfs @ 7.06 fps)

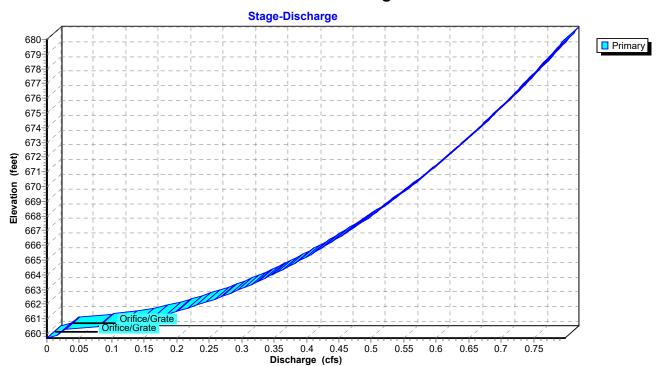
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#### Pond 1P: Storage



#### Pond 1P: Storage

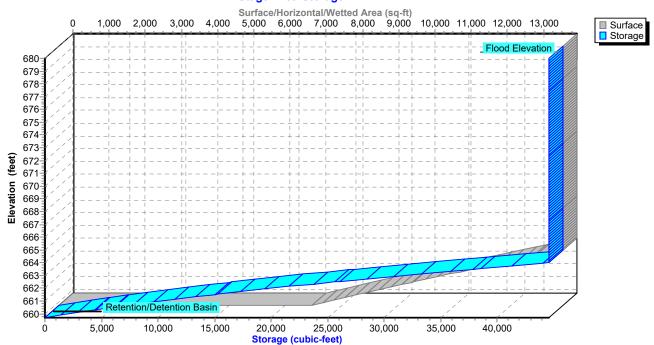


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#### Pond 1P: Storage

#### Stage-Area-Storage



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#### Hydrograph for Pond 1P: Storage

Time	Inflow	Storage	Elevation	Primary
(hours)	(cfs)	(cubic-feet)	(feet)	(cfs)
0.00	0.00	0	659.70	0.00
2.00	0.00	0	659.70	0.00
4.00	0.00	0	659.70	0.00
6.00	0.01	8	659.70	0.00
8.00	0.07	274	659.74	0.00
10.00	0.22	1,191	659.87	0.01
12.00	11.89	11,361	661.11	0.16
14.00	0.53	24,226	662.38	0.26
16.00	0.32	25,271	662.47	0.27
18.00	0.24	25,338	662.48	0.27
20.00	0.18	24,941	662.44	0.26
22.00	0.16	24,254	662.38	0.26
24.00	0.15	23,500	662.31	0.26
26.00	0.00	21,782	662.15	0.25
28.00	0.00	20,044	661.99	0.24
30.00	0.00	18,385	661.83	0.22
32.00	0.00	16,808	661.68	0.21
34.00	0.00	15,316	661.53	0.20
36.00	0.00	13,909	661.38	0.19
38.00	0.00	12,591	661.24	0.18
40.00	0.00	11,364	661.11	0.16
42.00	0.00	10,231	660.98	0.15
44.00	0.00	9,193	660.87	0.14
46.00	0.00	8,256	660.76	0.12
48.00	0.00	7,420	660.66	0.11
50.00	0.00	6,698	660.58	0.09
52.00	0.00 0.00	6,078	660.50 660.44	0.08
54.00	0.00	5,570 5,160		0.06 0.05
56.00 58.00	0.00	5,169	660.39 660.35	0.03
60.00	0.00	4,851 4,599	660.32	0.04
62.00	0.00	4,399	660.29	0.03
64.00	0.00	4,190	660.26	0.03
66.00	0.00	3,995	660.24	0.03
68.00	0.00	3,804	660.21	0.03
70.00	0.00	3,619	660.19	0.03
72.00	0.00	3,439	660.17	0.03
12.00	0.00	5,458	000.17	0.02

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#### **Stage-Discharge for Pond 1P: Storage**

Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)	Elevation (feet)	Primary (cfs)
659.70	0.00	664.90	0.39	670.10	0.56	675.30	0.70
659.80	0.01	665.00	0.39	670.20	0.57	675.40	0.70
659.90	0.01	665.10	0.40	670.30	0.57	675.50	0.70
660.00	0.02	665.20	0.40	670.40	0.57	675.60	0.70
660.10	0.02	665.30	0.40	670.50	0.58	675.70	0.71
660.20	0.03	665.40	0.41	670.60	0.58	675.80	0.71
660.30	0.03	665.50	0.41	670.70	0.58	675.90	0.71
660.40	0.05	665.60	0.42	670.80	0.58	676.00	0.71
660.50	0.08	665.70	0.42	670.90	0.59	676.10	0.72
660.60	0.10	665.80	0.42	671.00	0.59	676.20	0.72
660.70	0.12	665.90	0.43	671.10	0.59	676.30	0.72
660.80	0.13	666.00	0.43	671.20	0.59	676.40	0.72
660.90	0.14	666.10	0.43	671.30	0.60	676.50	0.72
661.00	0.15	666.20	0.44	671.40	0.60	676.60	0.73
661.10	0.16	666.30	0.44	671.50	0.60	676.70	0.73
661.20	0.17	666.40	0.45	671.60	0.61	676.80	0.73
661.30	0.18	666.50	0.45	671.70	0.61	676.90	0.73
661.40	0.19	666.60	0.45	671.80	0.61	677.00	0.74
661.50	0.20	666.70	0.46	671.90	0.61	677.10	0.74
661.60	0.21	666.80	0.46	672.00	0.62	677.20	0.74
661.70	0.21	666.90	0.46	672.10 672.20	0.62	677.30	0.74
661.80 661.90	0.22 0.23	667.00	0.47		0.62	677.40	0.74
	0.23	667.10 667.20	0.47 0.47	672.30 672.40	0.62 0.63	677.50 677.60	0.75 0.75
662.00 662.10	0.24	667.30	0.47	672.50	0.63	677.70	0.75
662.20	0.24	667.40	0.48	672.60	0.63	677.80	0.75
662.30	0.25	667.50	0.48	672.70	0.63	677.90	0.75
662.40	0.26	667.60	0.49	672.80	0.64	678.00	0.76
662.50	0.20	667.70	0.49	672.90	0.64	678.10	0.76
662.60	0.27	667.80	0.49	673.00	0.64	678.20	0.76
662.70	0.28	667.90	0.50	673.10	0.64	678.30	0.76
662.80	0.29	668.00	0.50	673.20	0.65	678.40	0.77
662.90	0.29	668.10	0.50	673.30	0.65	678.50	0.77
663.00	0.30	668.20	0.51	673.40	0.65	678.60	0.77
663.10	0.30	668.30	0.51	673.50	0.65	678.70	0.77
663.20	0.31	668.40	0.51	673.60	0.66	678.80	0.77
663.30	0.31	668.50	0.52	673.70	0.66	678.90	0.78
663.40	0.32	668.60	0.52	673.80	0.66	679.00	0.78
663.50	0.32	668.70	0.52	673.90	0.66	679.10	0.78
663.60	0.33	668.80	0.53	674.00	0.67	679.20	0.78
663.70	0.33	668.90	0.53	674.10	0.67	679.30	0.78
663.80	0.34	669.00	0.53	674.20	0.67	679.40	0.79
663.90	0.34	669.10	0.53	674.30	0.67	679.50	0.79
664.00	0.35	669.20	0.54	674.40	0.68	679.60	0.79
664.10	0.35	669.30	0.54	674.50	0.68	679.70	0.79
664.20	0.36	669.40	0.54	674.60	0.68	679.80	0.79
664.30	0.36	669.50	0.55	674.70	0.68	679.90	0.80
664.40	0.37	669.60	0.55	674.80	0.69	680.00	0.80
664.50	0.37	669.70	0.55	674.90	0.69		
664.60	0.37	669.80	0.56	675.00	0.69		
664.70 664.80	0.38 0.38	669.90 670.00	0.56 0.56	675.10 675.20	0.69 0.69		
004.00	0.00	070.00	0.50	073.20	0.09		
		Ī		Ī			

Page 14

#### Stage-Area-Storage for Pond 1P: Storage

			1		
Elevation	Surface	Storage	Elevation	Surface	Storage
(feet)	(sq-ft)	(cubic-feet)	(feet)	(sq-ft)	(cubic-feet)
659.70	6,987	0	670.10	13,920	44,568
659.90	7,288	1,428	670.30	13,920	44,568
660.10	7,590	2,915	670.50	13,920	44,568
660.30	7,891	4,463	670.70	13,920	44,568
660.50	8,192	6,072	670.90	13,920	44,568
660.70	8,504	7,741	671.10	13,920	44,568
660.90	8,816	9,473	671.30	13,920	44,568
661.10	9,129	11,268	671.50	13,920	44,568
661.30	9,441	13,125	671.70	13,920	44,568
661.50	9,753	15,044	671.90	13,920	44,568
661.70	10,077	17,027	672.10	13,920	44,568
661.90	10,402	19,075	672.30	13,920	44,568
662.10	10,726	21,188	672.50	13,920	44,568
662.30	11,051	23,366	672.70	13,920	44,568
662.50	11,375	25,608	672.90	13,920	44,568
662.70	11,711	27,917	673.10	13,920	44,568
662.90	12,048	30,293	673.30	13,920	44,568
663.10	12,384	32,736	673.50	13,920	44,568
663.30	12,721	35,246	673.70	13,920	44,568
663.50	13,057	37,824	673.90	13,920	44,568
663.70	13,402	40,470	674.10	13,920	44,568
663.90	13,747	43,185	674.30	13,920	44,568
664.10	13,920	44,568	674.50	13,920	44,568
664.30	13,920	44,568	674.70	13,920	44,568
664.50	13,920	44,568	674.90	13,920	44,568
664.70	13,920	44,568	675.10	13,920	44,568
664.90	13,920	44,568	675.30	13,920	44,568
665.10	13,920	44,568	675.50	13,920	44,568
665.30	13,920	44,568	675.70	13,920	44,568
665.50	13,920	44,568	675.90	13,920	44,568
665.70	13,920	44,568	676.10	13,920	44,568
665.90	13,920	44,568	676.30	13,920	44,568
666.10	13,920	44,568	676.50	13,920	44,568
666.30	13,920	44,568	676.70	13,920	44,568
666.50	13,920	44,568	676.90	13,920	44,568
666.70	13,920	44,568	677.10	13,920	44,568
666.90	13,920	44,568	677.30	13,920	44,568
667.10	13,920	44,568	677.50	13,920	44,568
667.30	13,920	44,568	677.70	13,920	44,568
667.50	13,920	44,568	677.90	13,920	44,568
667.70	13,920	44,568	678.10	13,920	44,568
667.90	13,920	44,568	678.30	13,920	44,568
668.10	13,920	44,568	678.50	13,920	44,568
668.30	13,920	44,568	678.70	13,920	44,568
668.50	13,920	44,568	678.90	13,920	44,568
668.70	13,920	44,568 44,568	679.10	13,920	44,568 44,568
668.90	13,920	44,568 44,568	679.30 670.50	13,920	44,568 44,568
669.10	13,920	44,568 44,568	679.50 670.70	13,920	44,568 44,568
669.30	13,920	44,568 44,568	679.70 679.00	13,920	44,568 44,568
669.50 669.70	13,920	44,568 44,568	679.90	13,920	44,568
669.90	13,920 13,920	44,568 44,568			
003.80	13,820	44,500			
			I		

## FINAL ENGINEERING PLANS ALLENDALE RETAIL STORE 10955 48TH AVENUE ALLENDALE, MI 49401

## PROJECT TEAM

1435 FULTON STREET, 2ND FLOOR GRAND HAVEN, MI 49417 (616) 842-2030

350 E MICHIGAN AVE, SUITE 415 KALAMAZOO, MI 49007 (269) 381-3357

KATIE CHASE

4601 134TH AVE STE H

MUSKEGON, MI 49441 (231) 760 6821 JON ERICKSON

CIVIL ENGINEER: MITTEN STATE ENGINEERING 15 CARLYLE STREET, 2ND FLOOR BATTLE CREEK, MI 49017

PETER OLESZCZUK

TYLER CRAVENS

1435 FULTON STREET, 2ND FLOOR GRAND HAVEN, MI 49417

## **UTILITY AND AGENCY CONTACTS**

CONSUMERS ENERGY ACENTEK FIBER ANTHONY.PEROJR@CMSENERGY.COM ALLENDALE CHARTER TWP, MI 49401 (616) 895-9911 DTE ENERGY ANDRE' DIAZ WATER / SEWER: ALLENDALE CHARTER TOWNSHIP 11624 40TH AVE (616) 676-6620 ANDRE.DIAZ@DTEENERGY.COM ALLENDALE CHARTER TWP, MI 49401 JON CURRIER CABLE: CHARTER COMMUNICATIONS (616) 893-4162 LABRANDON RANDLE JONCURRIER@ALLENDALE-TWP.ORG LABRANDON.RANDLE@CCISYSTEMS.COM

# Pearline ALLENDALE - PROJECT AREA GOLF Grand River Park

**LOCATION MAP** 

## PROJECT NOTES

PERMITS UNLESS OTHERWISE NOTED.

- 1. THE "2020 STANDARD SPECIFICATIONS FOR CONSTRUCTION" AND "STANDARD PLANS" BY THE MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) ARE HEREBY INCORPORATED INTO THESE CONTRACT DOCUMENTS.
- 2. THE PLACING OF TRAFFIC CONTROL SIGNS AND PAVEMENT MARKINGS SHALL BE DONE IN ACCORDANCE WITH THE 2011 MICHIGAN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MMUTCD), AS AMENDED.
- 3. ALL WORK SHALL CONFORM TO ALL LOCAL, STATE, AND FEDERAL LAWS, RULES AND REGULATIONS IN FORCE AT THE TIME OF CONSTRUCTION. 4. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING CONSTRUCTION WITH OTHER CONTRACTORS INVOLVED WITH

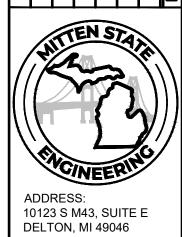
CONSTRUCTION OF THE PROPOSED DEVELOPMENT AND REPORTING ANY ERRORS OR DISCREPANCIES BETWEEN

THESE PLANS AND/OR PLANS PREPARED BY OTHERS. IF ANY ERRORS, DISCREPANCIES, OR OMISSIONS BECOME APPARENT, THESE SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO CONSTRUCTION OF ANYTHING AFFECTED SO THAT CLARIFICATION OR REDESIGN MAY OCCUR. 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR POSTING ALL BONDS AND INSURANCE CERTIFICATES AND SUBMITTING TRAFFIC CONTROL PLANS FOR REVIEW AND APPROVAL WHICH MAY BE REQUIRED BY THE TOWNSHIP FOR

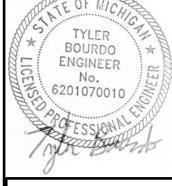
THE CONSTRUCTION OF THIS PROJECT WITHIN THE ROAD RIGHT-OF-WAY. THE CONTRACTOR SHALL APPLY FOR THESE

6. IN ACCORDANCE WITH PUBLIC ACT 174 OF 2013, ALL CONTRACTORS SHALL CALL MISS DIG @ 811 OR 800-428-7171 FOR PROTECTION OF UNDERGROUND UTILITIES A MINIMUM OF THREE FULL WORKING DAYS (EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS) PRIOR TO BEGINNING EACH EXCAVATION IN ANY AREA. MEMBERS WILL THUS BE ROUTINELY NOTIFIED. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO MAY NOT BE A PART OF THE "MISS DIG" ALERT SYSTEM.

SHEET LIST TABLE					
SHEET NUMBER	SHEET TITLE				
C001	COVER SHEET				
V101	ALTA SURVEY				
C100	EXISTING CONDITIONS AND DEMOLITION PLAN				
C101	SITE PLAN				
C102	GRADING PLAN				
C103	UTILITY PLAN				
C104	EROSION CONTROL PLAN				
C105	EROSION CONTROL DETAILS				
C106 - C107	CONSTRUCTION DETAILS				
L1.0	LANDSCAPE PLAN				
IR1.0	IRRIGATION PLAN				



(269) 364-5626



ORIGINAL ISSUE: 04/28/2023 PROJECT NO.

SHEET NUMBER

#### ALTA / NSPS LAND TITLE SURVEY VICINITY MAP IN THE NORTHEAST 1/4 OF SECTION 25, TOWN 7 (NOT TO SCALE) South, Range 14 West, Allendale Township, OTTAWA COUNTY, MICHIGAN. **♦ NORTHEAST COR, SEC 25, T7N, R14W** FOUND O.C. ALUMINUM MON. IN MON. BOX -FOUND A09(T7N, R13W) -FOUND N&T NW SIDE POWER POLE \$32°W 89.87' -C/L TOP FIRE HYDRANT -C/L TOP FIRE HYDRANT 529°E 112.41 FILLMORE STREET CAMPUS MINISTRY AT GRAND RAPIDS INC PARCEL ID: 70-09-25-200-078 BENCHMARK 1: FLANGE BOLT UNDER "W" ON FIRE HYDRANT #11027 48TH AVE — POINT OF BEGINNING ELEV **665.27** NAVD88 SURVEYED DESCRIPTION 66' WIDE R/W & UTILITY EASEMEN POINT OF COMMENCEMENT FOUND P.S. 33987 FOUND P.S. 21272 TO OTTAWA COUNTY -FURNISHED DESCRIPTION CAPPED IRON L. 611, P. 18 \_ N89° 38' 39"E 410.00' 50.00 EDGE OF STANDING WATER 11) 43' WIDE EASEMENT TO CONSUMERS POWER CO L. 607, P. 962 ■ EDGE OF STANDING WATER GRAND VALLEY STATE UNIVERSITY PARCEL ID: 70-10-30-100-004 – CONCRETE WALK #10694 48TH AVE ENDS 1.5' WEST OF LINE 2.67 ACRES ± PARCEL ID: 70-09-25-200-013 #10955 48TH AVE NO BUILDING(S) OBSERVED \_DEN EL 1D: #108 ——— = COMMUNICATION LINE ----- = GAS UTILITY LINE ---- = STORM UTILITY PIPE BURIED----- = SANITARY UTILITY PIPE ---- = WATER UTILITY LINE = BOUNDARY LINE --- = PARCEL LINE (ADJOINING) ---- = SECTION LINE LIMITS OF EARTH = OVERHEAD ELECTRIC (OR AS NOTED BURIED) DISTURBANCE 28' ----- = EDGE OF ASPHALT 12' WIDE EASEMENT FOR NORTH OF LINE ----- = C/L OF ROAD UNDERGROUND ELECTRIC LINES ∅ = POWER POLE TO CONSUMERS ENERGY CO. $\circ^{\mathsf{W}} = \mathsf{WELL}$ IMITS OF EARTH DOC. NO. 2011-0007370 · UNDERGROUND ELECTRIC LINE ⋈ = WATER VALVE DISTURBANCE 20' NOT MARKED BY MISSDIG - SEE □ = COMM. RISER BOX NORTH OF LINE B-II EXCEPTION NOTE THIS •FP = FENCE / GATE POST = FOUND IRON $\triangle$ = FIRE HYDRANT oFO = FIBER OPTIC POST O = SET P.S. 54432 CAPPED REBAR =589° 38′ 39″W 410.00′ €/ ■ = STORM CATCH BASIN ଶ = STORM MANHOLE LFOUND 1/2" IRON SILT FENCE 2' SOUTH LINE SILT FENCE 1.5' SOUTH — (& FURTHER) OF LINE (& FURTHER) → = GUY WIRE FOUND P.S. 33987— ₩ = LIGHT POLE CAPPED IRON ■ = ELECTRIC METER KOETJE BUILDERS PARTNERSHIP LLC $\sigma$ = SIGN √ = STUMP PARCEL ID: 70-09-25-200-067 BENCHMARK 2: FLANGE BOLT ( = DECIDUOUS TREE #10929 48TH AVE UNDER "W" ON FIRE HYDRANT APPROXIMATELY 185 S. OF SITE = CONIFEROUS TREE ELEV **664.68**' NAVD88 = CONCRETE SURFACE **♦ ←** EAST 1/4 COR, SEC 25, T7N, R14W FOUND O.C. ALUMINUM MON. IN MON. BOX -SET NL SE SIDE POWER POLE S57°w 51.71 -SET NL TOP G/R POST -SET NL TOP G/R POST -IN NB (48TH ST) MEDIAN CURB, 1 ' ± W. OF E/M

DESCRIPTION PER TRANSNATION TITLE AGENCY OF MICHIGAN LAKESHORE DIVISION POLICY NO. 400046LKS, DATED OCTOBER 6, 2022: PARCEL ID: 70-09-25-200-013

THAT PART OF THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER OF SECTION 25, TOWN 7 NORTH, RANGE 14 WEST, ALLENDALE TOWNSHIP, OTTAWA COUNTY, MICHIGAN, DESCRIBED AS: COMMENCING AT A POINT ON THE EAST LINE OF SAID SECTION WHICH IS 1370 FEET SOUTH OF THE NORTHEAST CORNER OF SAID SECTION; THENCE WEST PERPENDICULAR TO THE EAST LINE OF SAID SECTION 460 FEET; THENCE SOUTH PARALLEL TO THE EAST LINE OF SAID SECTION 284.09 FEET; THENCE EAST 460 FEET TO A POINT ON THE EAST LINE OF SAID SECTION WHICH IS 284.09 FEET SOUTH OF THE POINT OF BEGINNING; THENCE NORTH ALONG THE EAST LINE OF SAID SECTION, 284.09 FEET TO THE POINT OF BEGINNING, EXCEPT THE EAST 50 FEET THEREOF.

#### 3-II EXCEPTIONS

11. EASEMENT GRANTED TO THE CONSUMERS ENERGY COMPANY RECORDED IN LIBER 607, PAGE 962. - *IS* SHOWN HEREON.

12. RIGHT OF WAY TO OTTAWA COUNTY BOARD OF ROAD COMMISSIONERS DATED JULY 1, 1970, RECORDED SEPTEMBER 21, 1970 IN LIBER 611 ON PAGE 18. - *IS SHOWN HEREON.* 

13. EASEMENT FOR SEWER AND OTHER UTILITY PURPOSES VESTED IN THE COUNTY OF OTTAWA BY INSTRUMENT RECORDED IN LIBER 1212, PAGE 405. - IS SHOWN HEREON.

14. EASEMENT GRANTED TO CONSUMERS ENERGY COMPANY RECORDED IN INSTRUMENT NO. 2011-0007370. - NOTE: THIS EASEMENT IS SHOWN HEREON BASED UPON THE EASEMENT SKETCH / EXHIBIT FOUND IN SAID RECORDED DOCUMENT. THE EASEMENT WAS TO BE CENTERED UPON THE BURIED ELECTRIC LINE. AFTER SEVERAL CALLS TO MISSOIG ATTEMPING TO GET THIS LINE MARKED, USIC PERSONNEL INDICATED VIA PHONE CALL THAT THERE IS NOTHING HERE TO TRACE AND HAS A HUNCH THIS LINE WAS ABANDONED. EVEN IF THE LINE HAS BEEN ABANDONED THE EASEMENT HAS NOT BEEN RELINQUISHED. IT IS RECOMMEND CONTACTING CONSUMERS ENERGY TO DISCUSS IF IT IS TRULY ABANDONED AND / OR RELINQUISHING EASEMENT.

15. EASEMENTS WHICH ARE RECITED IN PUBLIC HIGHWAY EASEMENT RECORDED IN INSTRUMENT NO. 2015-0047454. - IS SHOWN HEREON.

#### DESCRIPTION OF PARCEL PER SURVEY (TO MEET PA 132 OF 1970).

THAT PART OF THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER OF SECTION 25, TOWN 7 NORTH, RANGE 14 WEST, ALLENDALE TOWNSHIP, OTTAWA COUNTY, MICHIGAN, DESCRIBED AS: COMMENCING AT THE NORTHEAST CORNER OF SAID SECTION; THENCE SOUTH  $00^{\circ}$  21 21 EAST ON THE EAST LINE OF SAID SECTION 1370.00 FEET; THENCE SOUTH  $89^{\circ}$  38 39 WEST PERPENDICULAR TO SAID EAST SECTION LINE 50.00 FEET TO THE POINT OF BEGINNING OF THE LAND HEREIN DESCRIBED; THENCE SOUTH  $00^{\circ}$  21 21 EAST PARALLEL WITH SAID EAST SECTION LINE 284.09 FEET; THENCE SOUTH  $89^{\circ}$  38 39 WEST PERPENDICULAR TO SAID EAST SECTION LINE 410.00 FEET; THENCE NORTH  $00^{\circ}$  21 21 WEST PARALLEL WITH SAID EAST SECTION LINE 284.09 FEET; THENCE NORTH  $89^{\circ}$  38 39 EAST PERPENDICULAR TO SAID EAST SECTION LINE 410.00 FEET TO THE POINT OF BEGINNING. CONTAINING 2.67 ACRES, MORE OR LESS.

SUBJECT TO ANY AND ALL EASEMENTS AND RESTRICTIONS OF RECORD, OR OTHERWISE.

SUBJECT TO THE RIGHTS OF THE PUBLIC AND OF ANY GOVERNMENTAL UNIT IN ANY PART THEREOF TAKEN, USED OR DEEDED FOR STREET, ROAD, OR HIGHWAY PURPOSES.

THE RELATIVE POSITIONAL PRECISION OF EACH CORNER IS WITHIN THE LIMITS ACCEPTED BY THE PRACTICE OF PROFESSIONAL SURVEYING AND THE REQUIREMENTS OF P.A. 132 OF 1970, AS AMENDED, HAVE BEEN COMPLIED WITH (EXCEPT FOR PAPER SIZE - NOT RECORDABLE).

BEARINGS ARE RELATED TO THE MICHIGAN STATE PLANE COORDINATE SYSTEM'S SOUTH ZONE.

#### ALTA / NSPS TABLE "A" ITEMS NOTES:

1. MONUMENTS HAVE BEEN PLACED AT ALL MAJOR CORNERS OF THE BOUNDARY OF THE SURVEYED PROPERTY, UNLESS ALREADY MARKED OR REFERENCED BY EXISTING MONUMENTS OR WITNESSES IN CLOSE PROXIMITY TO THE CORNER AS SHOWN HEREON.

2. PARCEL / BUILDING ADDRESS IS SHOWN HEREON.

3. ZONE X FLOOD ZONE CLASSIFICATION PER FEMA MAP 26139CO234F EFF. DATE 5/16/2013.

4. THE GROSS LAND AREA IS 2.67 ACRES, MORE OR LESS AND SHOWN HEREON.

7(a). EXTERIOR DIMENSIONS OF ALL BUILDINGS AT GROUND LEVEL ARE SHOWN HEREON (NO BUILDINGS OBSERVED ON SITE).

8. SUBSTANTIAL FEATURES OBSERVED ON THE PARCEL ARE SHOWN HEREON.

11(B) OBSERVED UTILITIES ARE SHOWN HEREON. MISSDIG TICKET(S) 2023020701785001 WHERE REQUESTED AND THE MARKINGS HAVE BEEN LOCATED HEREON. THE SURVEYOR DOES NOT WARRANT THAT ALL UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN-SERVICE OR ABANDONED. THE SURVEYOR DOES CERTIFY THAT THEY HAVE DONE THEIR BEST TO IDENTIFY KNOWN UTILITIES AND THEY ARE SHOWN AS ACCURATELY AS POSSIBLE FROM THE MARKINGS & INFORMATION PROVIDED. THE SURVEYOR DID NOT PHYSICALLY LOCATE THE UNDERGROUND UTILITIES.

13. NAMES OF ADJOINING OWNERS ACCORDING TO CURRENT TAX RECORDS ARE SHOWN HEREON.

NOTE: ADDITIONAL DETAILED TOPOGRAPHIC POINT DATA HAS BEEN SENT TO MITTEN STATE ENGINEERING.

NOTE: THE NORTHERLY ADJOINING PARCEL (ID 70-09-25-200-078) PER WARRANTY DEED DOCUMENT 2021-0000821 INDICATES THEIR SOUTH LINE WOULD BE 1370.21 FEET SOUTH OF THE NORTHEAST CORNER OF SAID SECTION (386.81 + 983.40). THIS WOULD OVERLAP ONTO THIS PARCEL BY 0.21 FEET. IT APPEARS THE FURNISHED DESCRIPTION IS MORE HISTORICAL (POSSIBLY HAS SENIOR TITLE). HOWEVER, ADDITIONAL RESEARCH / TITLE SEARCH MAY BE WARRANTED TO VERIFY.

TO MIDWEST V, LLC, DOLLAR GENERAL CORPORATION, WESTWIND CONSTRUCTION, TRANSNATION TITLE AGENCY OF MICHIGAN LAKESHORE DIVISION & OLD REPUBLIC NATIONAL TITLE INSURANCE COMPANY:

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2021 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA / NSPS LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES ITEMS 1, 2, 3, 4, 7(a), 8, 11(b), 13 OF TABLE A THEREOF. THE FIELDWORK WAS COMPLETED ON FEBRUARY 7, 2023.

#### PRELIMINARY 2-17-2023

JOB NO. 230013

KEVIN D. MIEDEMA P.S. 54432
KEVIN@42NORTHSURVEYING.COM

DATE OF PLAT OR MAP: 2/17/2023



4 2 N C T H

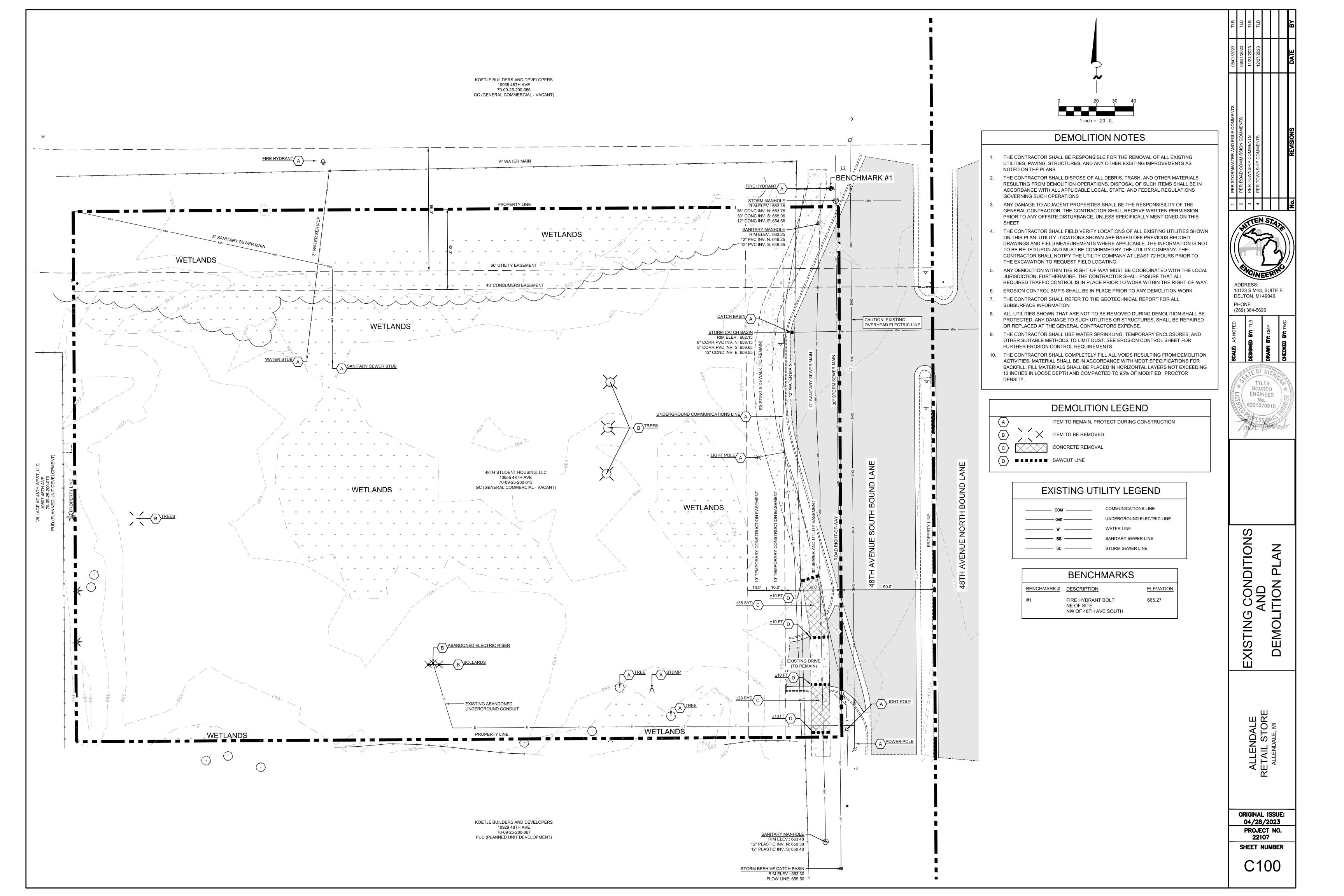
S U R V E Y I N G

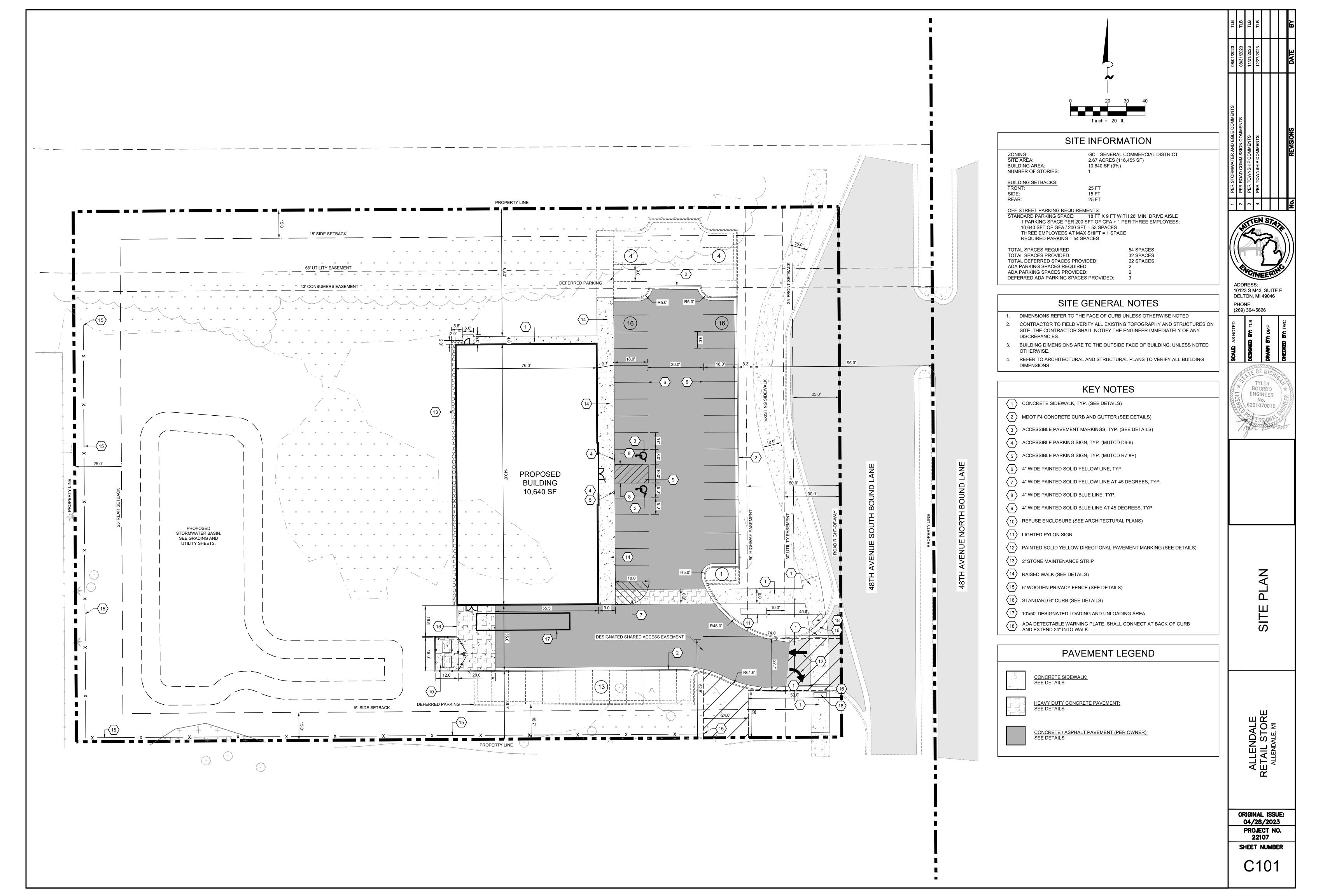
4601 134 th Avenue Ste H

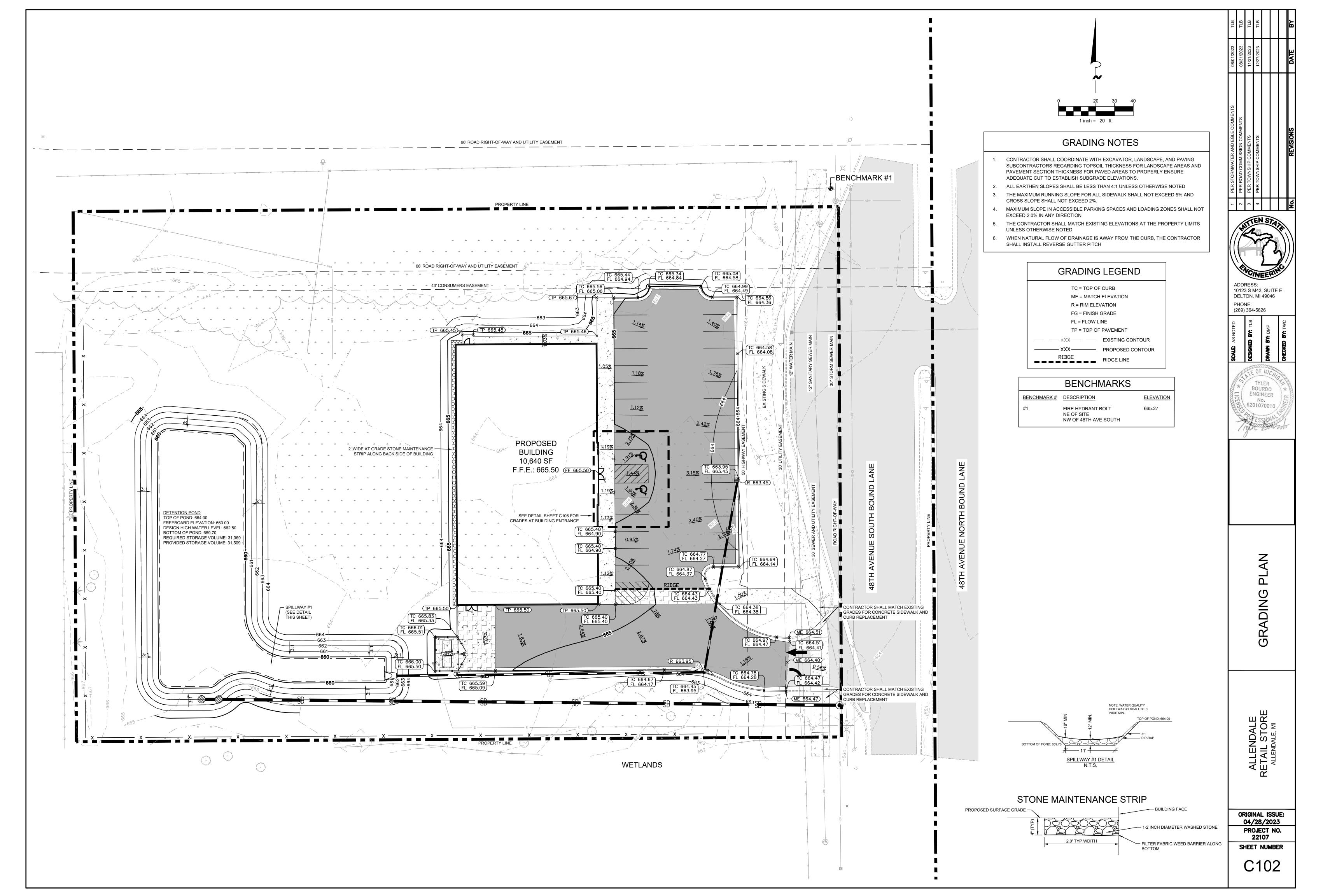
Hamilton, MI 49419

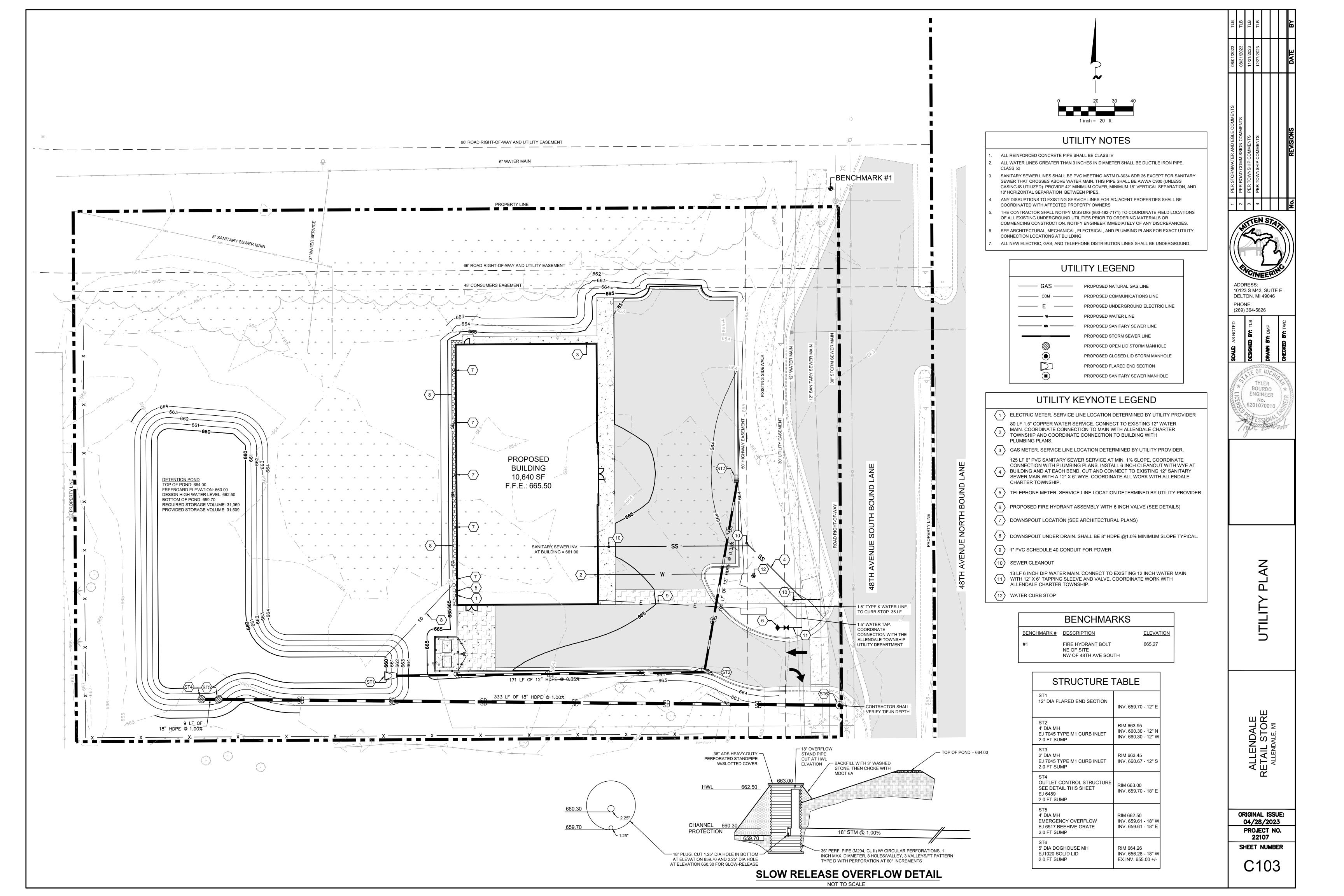
Ph: 269-751-8356

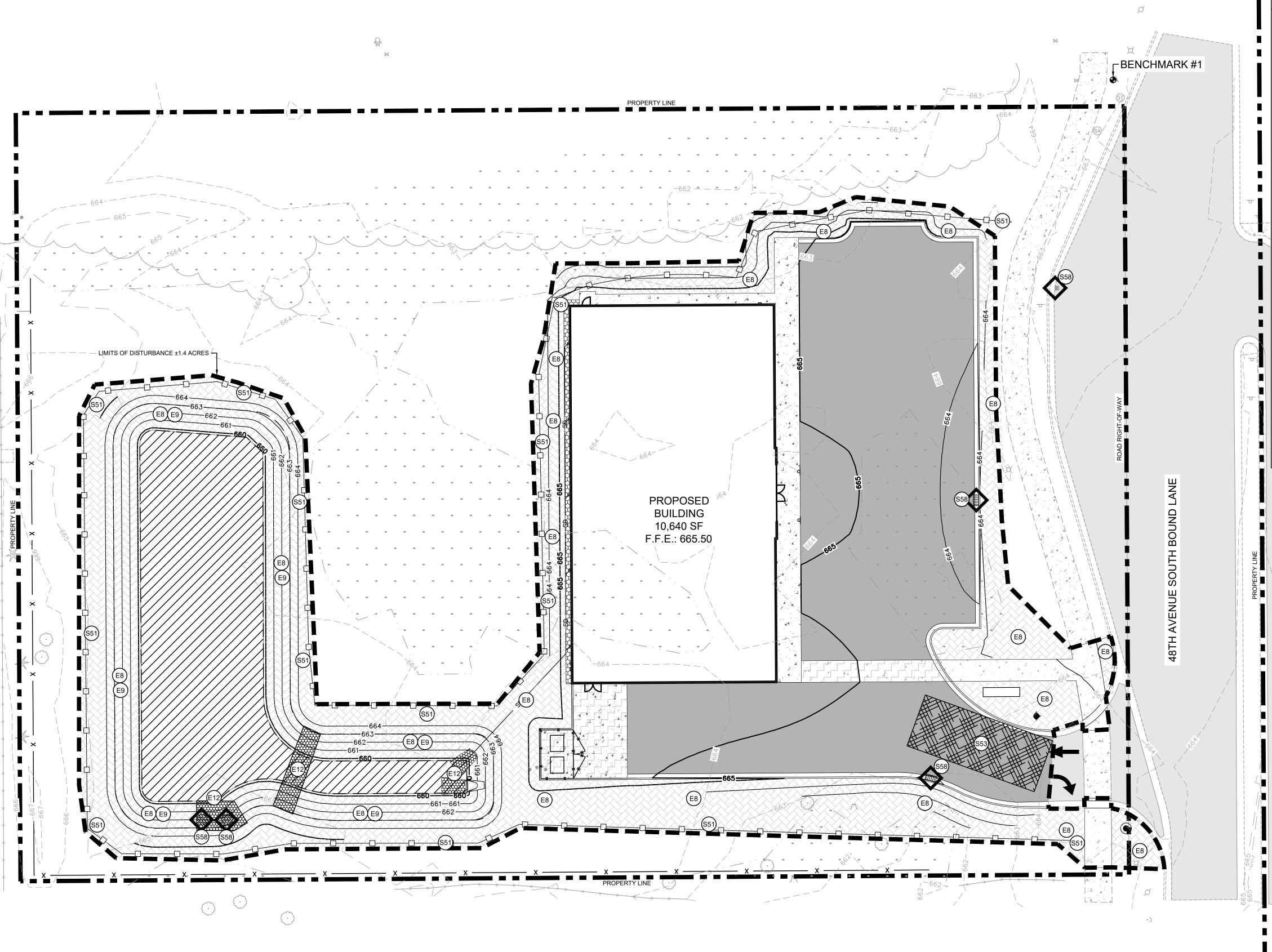
www.42northsurveying.com

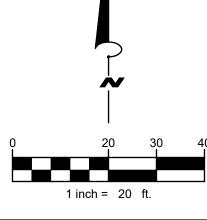












#### SOIL EROSION & SEDIMENTATION CONTROL NOTES

- ALL CONSTRUCTION METHODS SHALL BE DONE IN COMPLIANCE WITH THE MICHIGAN SOIL EROSION AND SEDIMENTATION CONTROL ACT. THE OWNER SHALL BE RESPONSIBLE FOR OBTAINING A "SOIL EROSION PERMIT" FROM THE COUNTY AND A "PERMIT BY RULE/NOTICE OF COVERAGE" FROM THE MDEQ PRIOR TO START OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL REQUIREMENTS OF THE COUNTY "SOIL EROSION PERMIT" AND FOR ALL CERTIFIED STORM WATER INSPECTION SERVICE REQUIRED BY THE "PERMIT BY RULE." EROSION CONTROL MEASURES SHOWN ON THE PLANS ARE THE MINIMUM REQUIREMENTS AND SHALL NOT RELIEVE THE CONTRACTOR'S RESPONSIBILITY FOR PROVIDING
- AVOID UNNECESSARY DISTURBING OR REMOVING OF EXISTING VEGETATED TOPSOIL OR EARTH COVER, THESE COVER AREAS ACT AS SEDIMENT FILTERS.
- 3. ALL TEMPORARY SOIL EROSION PROTECTION SHALL REMAIN IN PLACE UNTIL REMOVAL IS REQUIRED FOR FINAL CLEAN UP AND APPROVAL.
- 4. GEOTEXTILE SILT FENCE SHALL BE INSTALLED AS REQUIRED WHEN CROSSING CREEKS OR WHEN ADJACENT TO WETLANDS OR SURFACE WATER BODIES TO PREVENT SILTATION AND ELSEWHERE AS DIRECTED BY THE ENGINEER. SEEDING AND/OR SODDING SHALL BE INSTALLED ON CREEK BANKS IMMEDIATELY AFTER CONSTRUCTION TO PREVENT EROSION.
- 5. MAINTENANCE, CLEANING, AND REMOVAL OF THE VARIOUS SEDIMENT CONTROL MEASURES SHALL BE INCLUDED IN THE VARIOUS EROSION CONTROL ITEMS.
- NUMBER IN CIRCLE REFERS TO NUMBERED DETAILS IN STATE OF MICHIGAN SOIL EROSION AND SEDIMENTATION CONTROL GUIDEBOOK. SOIL EROSION CONTROL PLANS DENOTE MINIMUM EROSION MEASURES REQUIRED AS DESCRIBED BELOW.
- DENOTES PERMANENT SEEDING. ALL DISTURBED AREAS NOT PAVED OR GRAVELED SHALL BE RESTORED. SEE DETAIL SHEET.
- DENOTES MULCH BLANKETS. MULCH BLANKET SHALL BE PROVIDED AT LOCATIONS SHOWN ON THE PLANS, AT SLOPES GREATER THAN 1:3, AREAS WITH CONCENTRATED FLOWS, AND AS DIRECTED BY THE ENGINEER IN THE FIELD, TO PREVENT RUNOFF AND EROSION.
- DENOTES RIPRAP. SEE DETAIL SHEET. (PERMANENT EROSION CONTROL MEASURE)
- DENOTES GRAVEL ACCESS APPROACH. APPROACH SHALL BE INSTALLED TO PROVIDE STABLE ACCESS TO ROADWAYS AND MINIMIZE DUST AND TRACKING OF MATERIALS ONTO PUBLIC STREETS AND HIGHWAYS. SEE DETAIL SHEET.
- DENOTES TEMPORARY SILT FENCE. SILT FENCE SHALL BE INSTALLED AT CREEK CROSSINGS, ADJACENT TO ALL WETLANDS AND SURFACE WATERS, AND OTHER LOCATIONS AS DIRECTED BY THE ENGINEER. EACH SILT FENCE SHALL BE INSTALLED GENERALLY ALONG THE SAME CONTOUR ELEVATION. SEE DETAIL SHEET.
- DENOTES INLET PROTECTION FABRIC DROP. SHALL BE INSTALLED AT EXISTING AND PROPOSED STORM SEWER INLETS TO PROVIDE SETTLING AND FILTERING OF SILT LADEN WATER PRIOR TO ENTRY INTO THE DRAINAGE SYSTEM. SEE DETAIL SHEET.

## EROSION CONTROL LEGEND

PERMANENT SEEDING. INSTALL MULCH BLANKET ON ALL SLOPES GREATER THAN 3:1

TEMPORARY CONSTRUCTION ENTRANCE

NATIVE SEEDING (POND BOTTOM)

 $\Diamond$ 

INLET PROTECTION

RIP-RAP

= EXISTING MAJOR CONTOUR
= EXISTING MINOR CONTOUR
= PROPOSED MAJOR CONTOUR
= PROPOSED MINOR CONTOUR
= SILT FENCE

CONSTRUCTION SEQUENCING

= LIMITS OF DISTURBANCE

- 1. INSTALL SOIL EROSION MEASURES.
- 3. ROUGH GRADING OF THE SITE.
- 4. BEGIN BUILDING CONSTRUCTION.

2. ESTABLISH STORM WATER MANAGEMENT BASIN.

- 5. UTILITY CONNECTIONS AND SERVICES TO BUILDING.6. FINAL GRADING OF THE SITE.
- 7. POUR CONCRETE SIDEWALK AND HEAVY DUTY CONCRETE.
- 8. PAVE SITE.
- 9. REMOVE TEMPORARY SOIL EROSION MEASURES AFTER VEGETATION HAS BEEN

## NEARBY WATER

NEAREST COUNTY DRAIN / RIVER / STREAM / LAKE IS THE JACOBS DRAIN. (±20 FEET TO THE EAST IN THE ROAD R.O.W.)

### SOILS INFORMATION

BASED ON USDA INFORMATION, THE SITE CONSISTS OF METAMORA SANDY LOAM (SOIL HYDRAULIC GROUP B), KAWKAWLIN LOAM (SOIL HYDRAULIC GROUP C), AND SIMS LOAM (SOIL HYDRAULIC GROUP D).

BENCHMARKS

BENCHMARK# DESCRIPTION

FIRE HYDRANT BOLT NE OF SITE NW OF 48TH AVE SOUTH **ELEVATION** 

665.27

ER STORMWATER AND EGLE COMMENTS

08/01/2023

ER ROAD COMMISSION COMMENTS

08/31/2023

11/21/2023

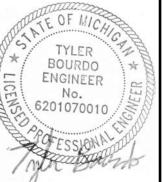
ER TOWNSHIP COMMENTS

12/27/2023



10123 S M43, SUITE E DELTON, MI 49046 PHONE: (269) 364-5626

DESIGNED BY: TLE

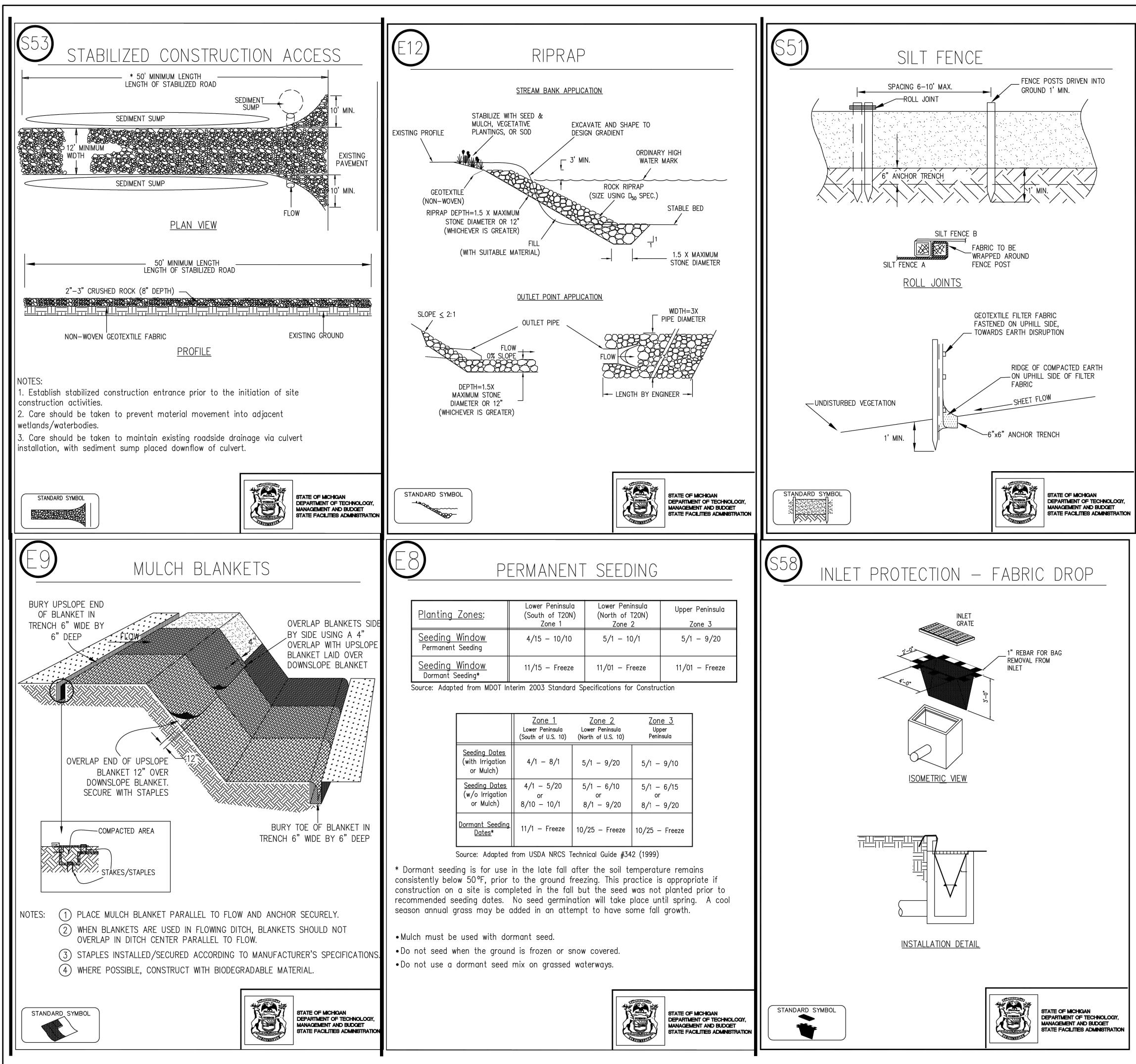


ROSION CONTROL PLAN

ALLENDALE
RETAIL STORE
ALLENDALE, MI

ORIGINAL ISSUE: 04/28/2023 PROJECT NO. 22107

SHEET NUMBER



FEB. JUNE JULY AUG. SEPT. OCT. STABILIZATION TYPE JAN. MAR. NOV. DEC. PERMANENT SEEDING DORMANT SEEDING TEMPORARY SEEDING SODDING MULCHING

- KENTUCKY BLUEGRASS 90 LBS/ACRE MIXED WITH PERENNIAL
- C SPRING OATS 100 LBS/ACRE

D WHEAT OR CEREAL RYE

F STRAW MULCH 2 TONS/ACRE

150 LBS/ACRE

\* WATERING NEEDED DURING JUNE AND JULY

AFTER APPLYING SOD

\*\* WATERING NEEDED FOR 2 TO 3 WEEKS

- RYEGRASS 30 LBS/ACRE
- KENTUCKY BLUEGRASS 135 LBS/ACRE MIXED WITH PERENNIAL RYEGRASS 45 LBS/ACRE + 2 TONS STRAW MULCH/ACRE

10123 S M43, SUITE E DELTON, MI 49046 PHONE:

(269) 364-5626

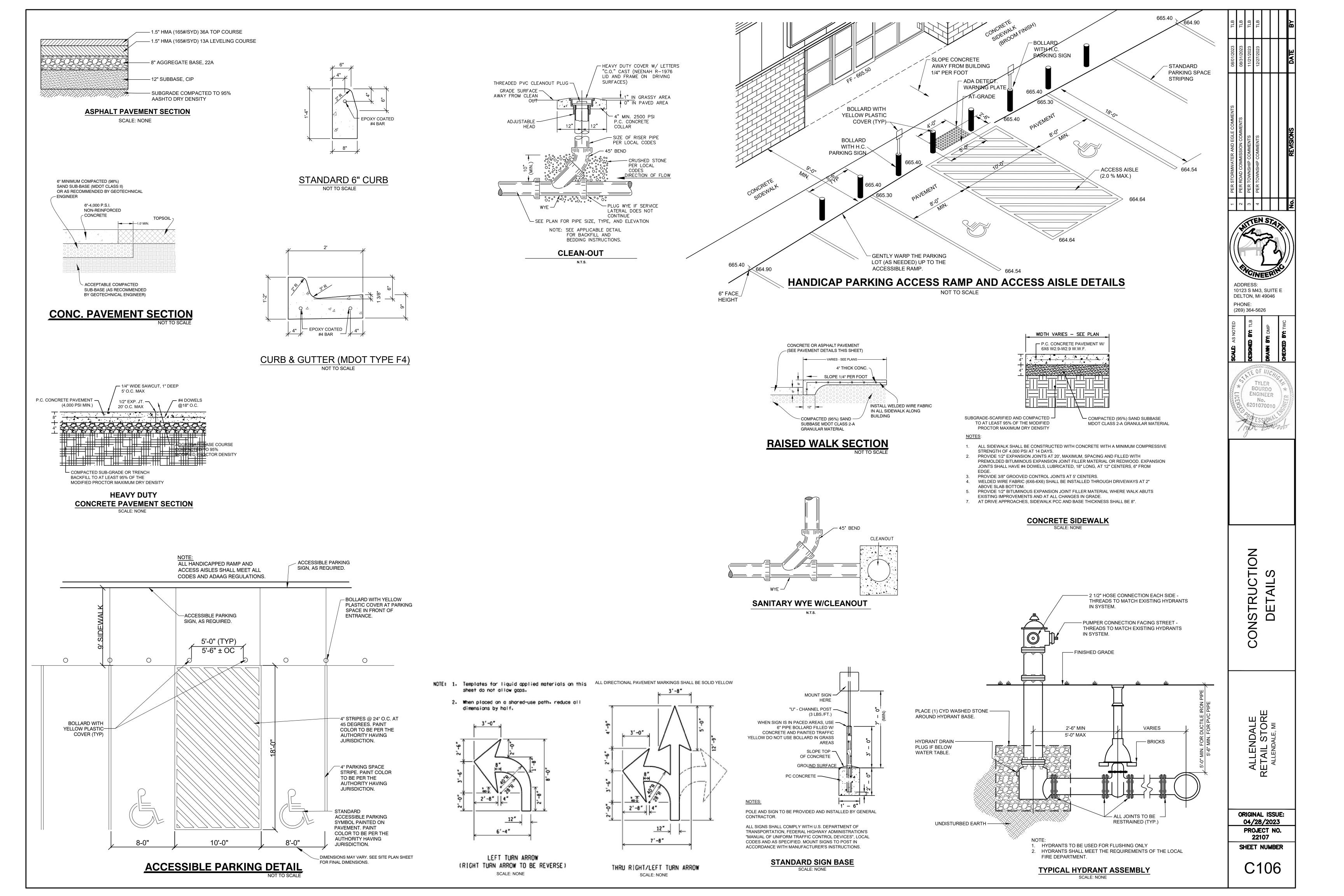
TYLER ENGINEER 6201070010

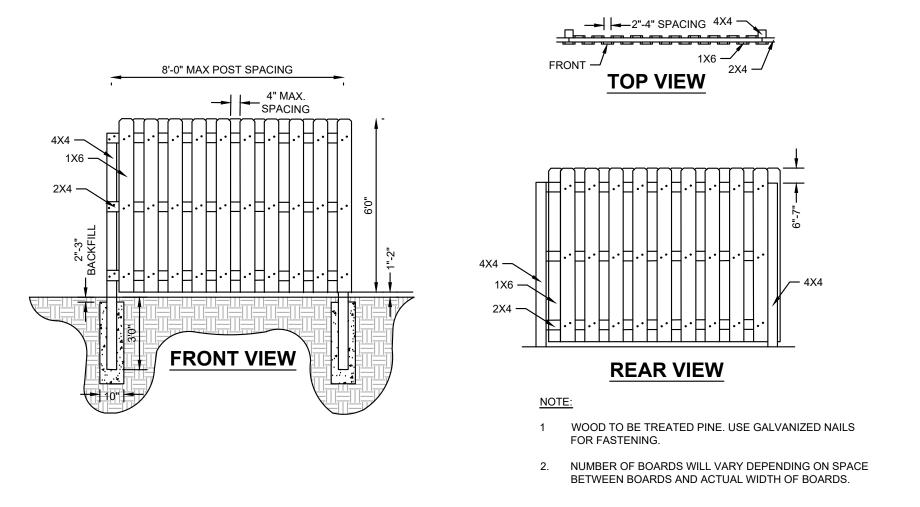
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ALLENDALE RETAIL STORE ALLENDALE, MI

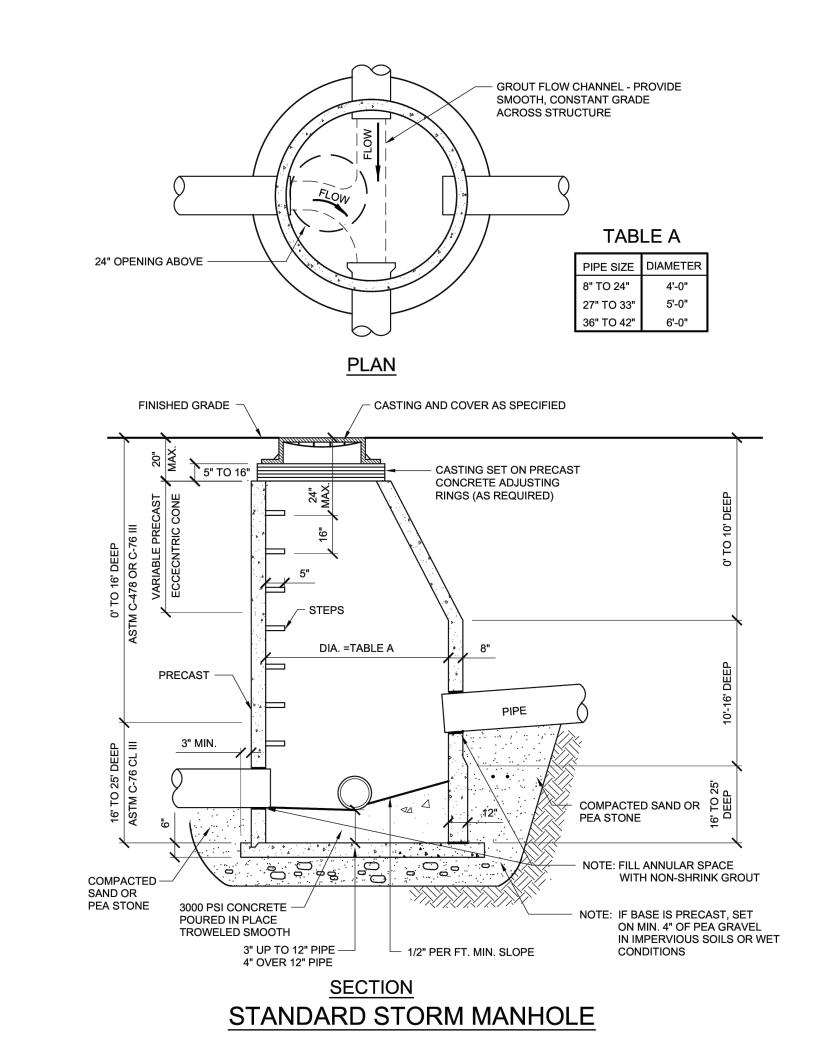
ORIGINAL ISSUE: 04/28/2023 PROJECT NO. 22107

SHEET NUMBER



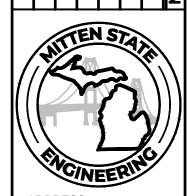


## 6' WOODEN PRIVACY FENCE DETAIL NOT TO SCALE



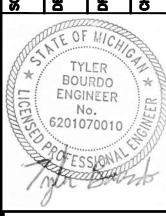
02720\_MH 8/02

	-	PER STORMWATER AND EGLE COMMENTS	08/01/2023	TLB	
/.	2	PER ROAD COMMISSION COMMENTS	08/31/2023	TLB	
A	3	PER TOWNSHIP COMMENTS	11/21/2023	TLB	
EN	4	PER TOWNSHIP COMMENTS	12/27/2023	TLB	
S					
_					
	4		# V C	20	



ADDRESS:	
10123 S M43, SUITE	ΞΙ
DELTON, MI 49046	
PHONE:	
(269) 364-5626	

(200)	00+ 002		
SALE AS NOTED	DESIGNED BY: TLB	DRAWN BY: DMP	CHECKED BY: TWC
MARIA	ATE OF	MICHIO	A P

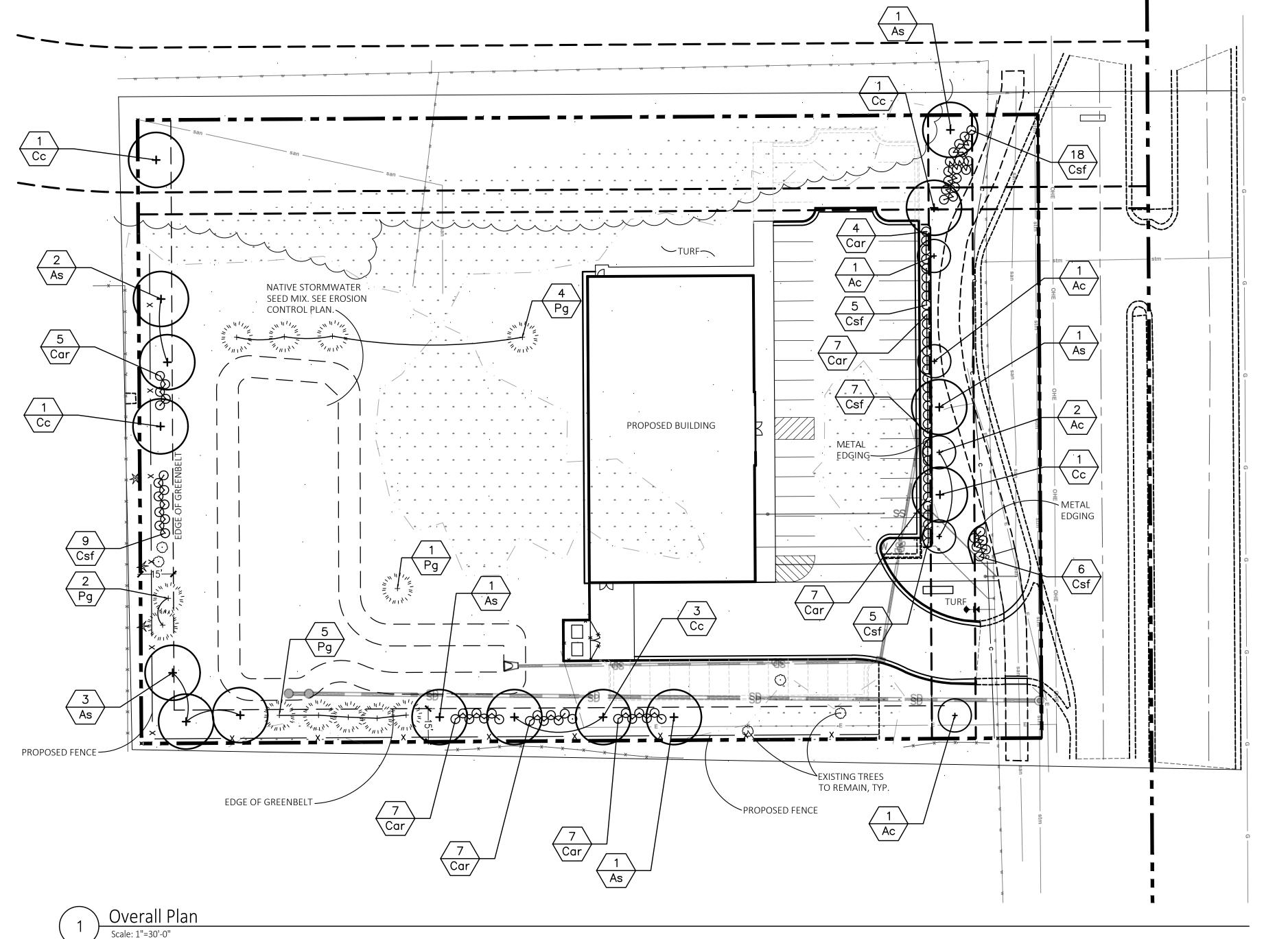


CONSTRUCTION
DETAILS

ALLENDALE RETAIL STORE

ORIGINAL ISSUE: 04/28/2023 PROJECT NO. 22107

SHEET NUMBER



TOP OF LEADER -

TREE HEIGHT DETAIL

GRADE.

∑ Evergreen Tree Planting Detail

3" MULCH-FORM SAUCER AROUND TREE

INOCULANT DURING BACKFILLING

—— REMOVE BURLAP FROM TOP 1/3 OF BALL & ALL

PLANTING SOIL MIX, TREAT WITH MYCHORRIZAL

SET TREE BALL ON 6" HIGH COMPACTED MOUND

WITH ROOT FLARE AT OR SLIGHTLY ABOVE FINAL

WHORL

SEE TREE HT, DETAIL

TOP OF ROOT FLARE
TREE HEIGHT
MEASUREMENT
BEGINS AT
TOP OF

ROOT FLARE

MPORTANT NOTE: SET TOP OF

ROOTBALL OR ROOT FLAIR AT OR SIGHTLY ABOVE FINISHED GRADE

REMOVE BURLAP, WIRE BASKET, AND ALL TWINE

— PLANTING SOIL MIX, TREAT WITH MYCHORRIZAL

OR ROPE FROM TOP 1/3 OF ROOT BALL

SET TREE BALL ON 6" HIGH COMPACTED

MOUND WITH ROOT FLARE AT OR SLIGHTLY

INOCULANT DURING BACKFILLING

ABOVE FINISH GRADE.

Deciduous Tree Planting Detail

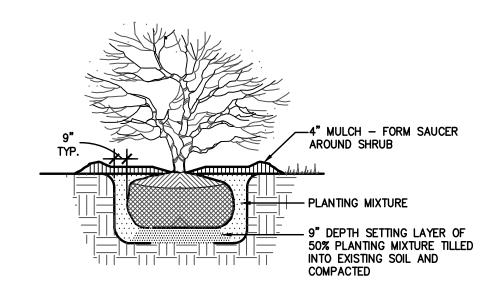
Not To Scale

TREE WRAP TO FIRST BRANCH

ROOTBALL -

- LAWN OR GROUND COVER -METAL LANDSCAPE EDGING 1/8" FINISH GRADE 1/2" BELOW TOP SURFACE OF EDGING - TOPSOIL, REFER TO SPECS AND PLANTING PLAN FOR DEPTH. 15" METAL STAKE MUST BE INSTALLED ON PLANTING BED SIDE OF EDGING - UNDISTURBED SOIL IMPORTANT NOTE: SET TOP OF ROOTBALL OR ROOT FLAIR AT OR SIGHTLY ABOVE FINISHED





Shrub Planting Detail Not To Scale

#### SYMBOL LEGEND

SYMBOL	DESCRIPTION	DETAIL
+	PROPOSED DECIDUOUS TREE	1/L1.0
= + =	EVERGREEN TREE	2 / L1.0
$\odot$	PROPOSED SHRUB	4 / L1.0



PLANT TAG- REFERS TO TYPE AND NUMBER OF PLANTINGS TO BE PROVIDED AND MAINTAINED BY CONTRACTOR.

4 / L1.0



NATIVE STORMWATER SEED MIX

#### NOTES

- 1. CALL "MISS DIG" AND VERIFY ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING WORK. 72 HOURS BEFORE YOU DIG CALL "MISS DIG" AT 1-800-482-7171. ANY UTILITIES DISTURBED BY CONSTRUCTION SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE.
- ANY DISCREPANCIES BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS SHOULD BE REPORTED TO THE CONSTRUCTION MANAGER IMMEDIATELY FOR
- 3. IN AREAS OF NEW TURF PLACE 4" MINIMUM TOPSOIL, FINE GRADE & ESTABLISH TURF WITHIN SEED LIMIT LINES.
- 4. PLACE NATURAL COLOR SHREDDED HARDWOOD MULCH TO A 3" DEPTH IN ALL TREE & SHRUB BEDS & TO A 2" DEPTH IN ALL GROUND COVER BEDS.
- 5. UNLESS OTHERWISE NOTED, TOPSOIL, FINE GRADE AND SEED ALL DISTURBED AREAS WITHIN THE SEEDING LIMIT SHOWN AND AREAS DISTURBED BY CONSTRUCTION.
- REPAIR AND RESTORE ANY DAMAGE OUTSIDE OF LIMIT OF WORK LINE TO ORIGINAL CONDITION.
- 7. PROTECT ALL TREES AND EXISTING FEATURES TO REMAIN AS SPECIFIED.
- 8. ALL NURSERY STOCK SHALL BE TRUE TO TYPE AND NAME. ALL STOCK SHALL BE FIRST CLASS QUALITY WITH WELL DEVELOPED BRANCH SYSTEMS AND VIGOROUS HEALTHY ROOT SYSTEMS. ALL STOCK SHALL BE WELL FORMED AND THE TRUNKS OF TREES SHALL BE UNIFORM AND STRAIGHT.
- 9. LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR IRRIGATION SCHEDULING FOR THE ENTIRE MAINTENANCE PERIOD UNLESS OTHERWISE NOTED.
- 10. CONTRACTOR RESPONSIBLE TO LOCATE SITE LIGHTING SERVICES. CONTRACTOR RESPONSIBLE TO NOTIFY CONSTRUCTION MANAGER IF DAMAGE TO LIGHTING ELECTRICAL DISTRIBUTION OCCURS.
- 11. UNLESS OTHERWISE SPECIFIED, ALL PERENNIALS, GRASSES AND GROUNDCOVERS SHALL BE GROWN IN THEIR CONTAINER FOR ONE YEAR PRIOR TO INSTALLATION.

LANDSCAPE REQUIREMENTS								
	REQUIRED	PROVIDED						
	FRONT YARD: 284 LF							
DECIDUOUS OR EVERGREEN TREES	2 / 150 LF: 3.8	4 TREES						
ORNAMENENTAL TREES	2 / 150 LF: 3.8	4 TREES						
SHRUBS	3 / TREE: 18	24 SHRUBS						
SOUTH P	ROPERTY LINE GREENBELT	: 410 LF						
TREES	1 / 20 LF: 21	11 TREES*						
SHRUBS	2 / TREE: 42	21 SHRUBS*						
WEST PF	ROPERTY LINE GREENBELT:	284 LF						
TREES	1 / 20 LF: 14	7 TREES*						
SHRUBS	2 / TREE: 28	14 SHRUBS*						
PARKING LOT REQUIREMENTS								
LANDSCAPING AREA	20 SF / SPACE	700 SF						
TREES	1 / 20 SPACES (MIN. OF 2)	2 TREES (ALONG EASTERN EDGE)						
SHRUB HEDGE	LENGTH OF LOT	PROVIDED						
*50% MAY PEDUCTION FOR INCLUDING FENCE								

\*50% MAX. REDUCTION FOR INCLUDING FENCE

PLANT LIST		*50% MAX. RI	*50% MAX. REDUCTION FOR INCLUDING FENCE				
	SYM.	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	SPACING	
DECIDUOUS TREES	Ac	Amelanchier canadensis	Serviceberry	2" CAL.	B&B	PER PLANS	
DECIDOOOS IREES	As	Acer saccharum 'JFS-KW8'	Autumn Fest Maple	2" CAL.	B&B	PER PLANS	
	Сс	Carpinus caroliniana	American Hornbeam	2" CAL.	B&B	PER PLANS	
EVERGREEN TREES	Pg	Picea glauca	Black Hills Spruce	6' HT.	B&B	PER PLANS	
	Car	Clethra alnifolia 'Ruby Spice'	'Ruby Spice' Summersweet	24" HT.	B&B	PER PLANS	
SHRUBS	Csf	Cornus sericea 'Farrow'	Arctic Fire Dogwood	24" HT.	B&B	36" O.C.	
	Vo	Viburnum opulus var. Americanum	American Cranberry—bush	24" HT.	Cont.	5' O.C.	



350 East Michigan Avenue Suite #415 Kalamazoo Michigan 49007 Phone (269) 381-3357 Fax (269) 381-2944

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Issued For:	Date
SITE PLAN REVIEW	12/21/23

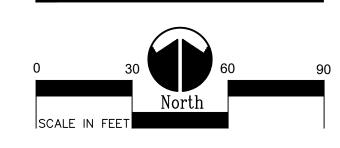
Dollar General

Allendale, MI

Sheet Title

Project:

Landscaping Plan

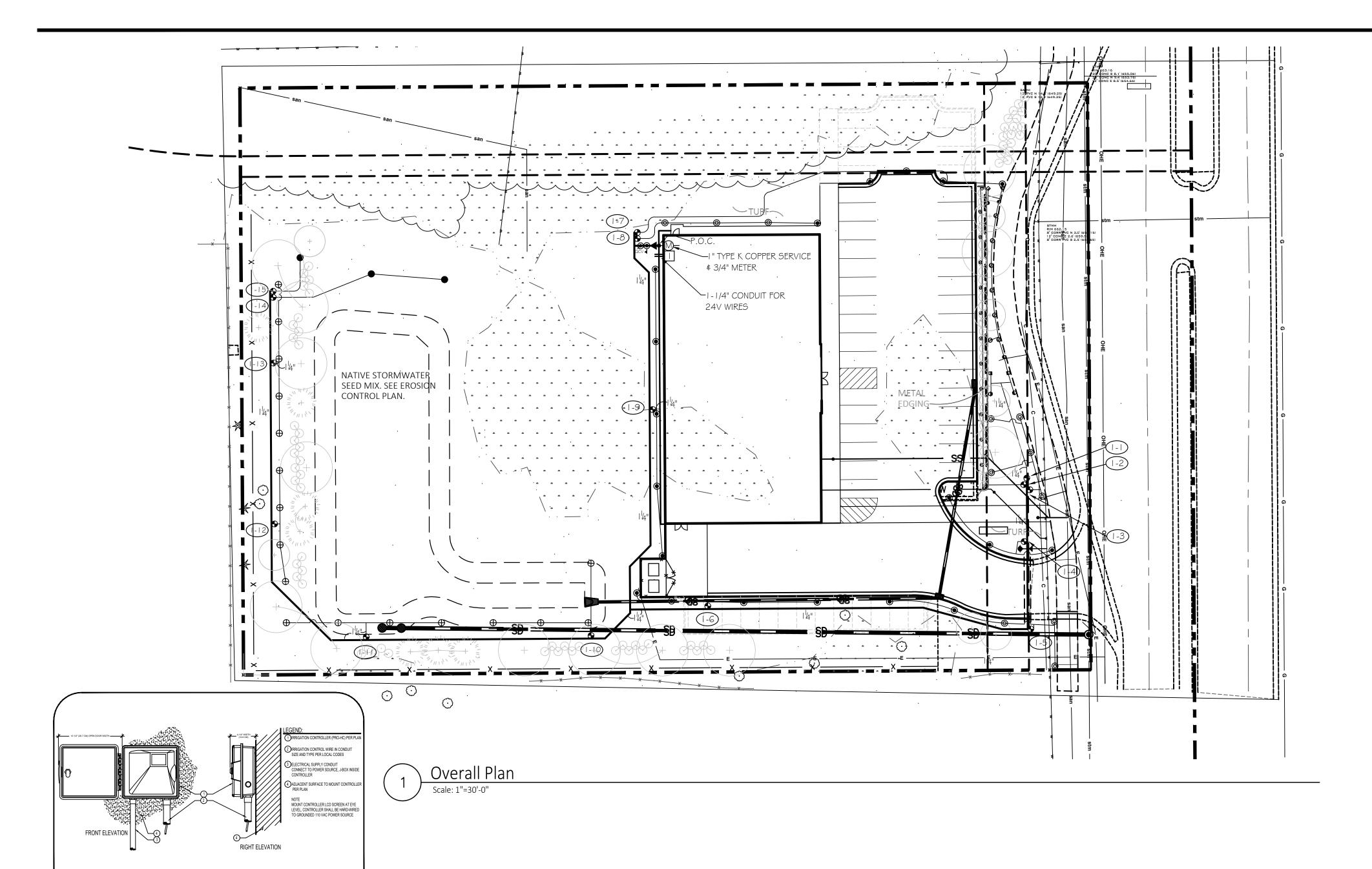


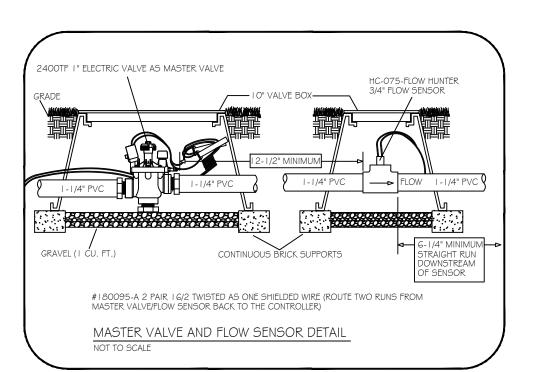
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Sheet No.

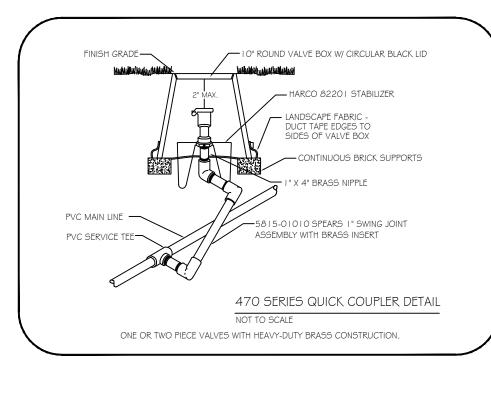
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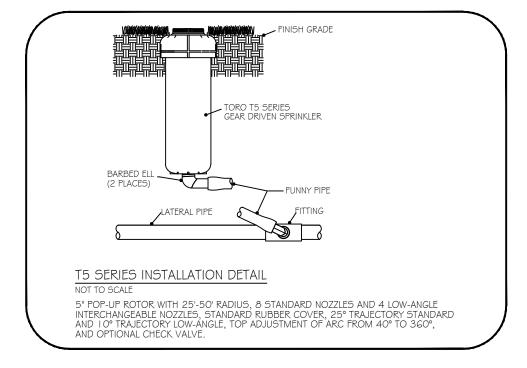
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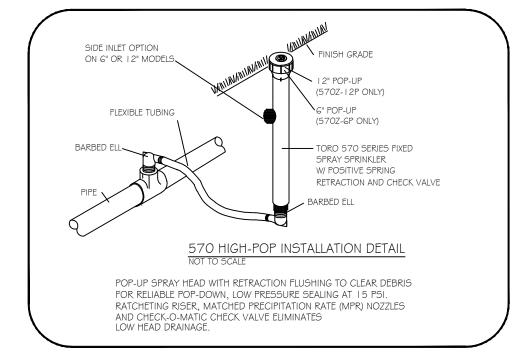


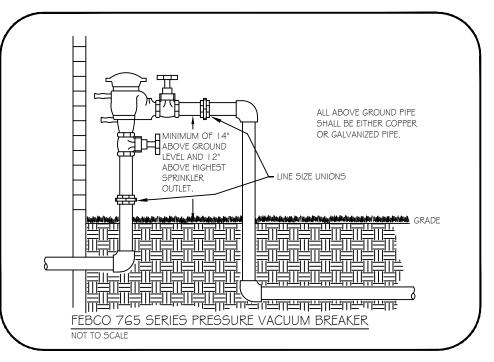


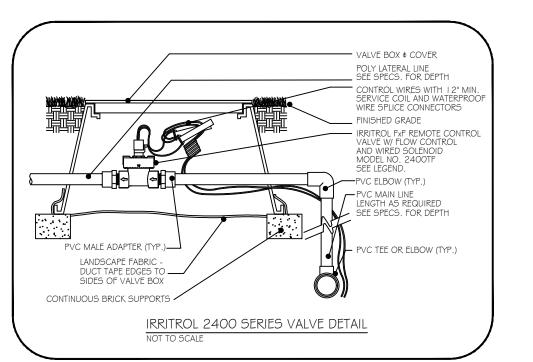
HUNTER PRO-HC CONTROLLER DETAIL NOT TO SCALE

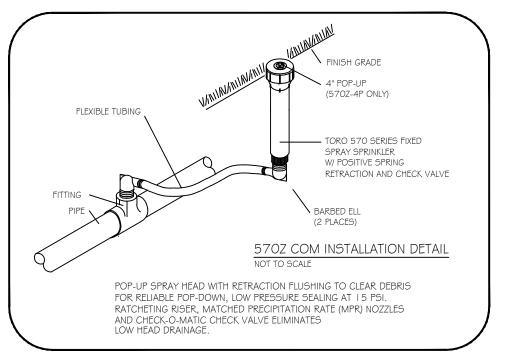


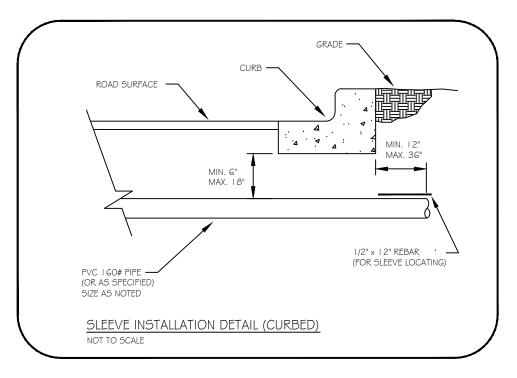














© <b>©</b> ©	570Z-4P-COM	4ST-MPR SERIES	TORO FIXED SPRAY POP-UP (4")
• • • • • •	570Z-4P-COM	8'-MPR SERIES	TORO FIXED SPRAY POP-UP (4")
	570Z-4P-COM	I O'-MPR SERIES	TORO FIXED SPRAY POP-UP (4")
• • • • • •	570Z-4P-COM	I 2'-MPR SERIES	TORO FIXED SPRAY POP-UP (4")
© S ©	570Z-12P-COM	4ST-MPR SERIES	TORO FIXED SPRAY POP-UP (12")
0	T5PCK (P/C)	#1.5 LOW ANGLE NOZZLE	TORO GEAR DRIVEN ROTARY POP-UP
$\oplus$	T5PCK (F/C)	#3.0 LOW ANGLE NOZZLE	TORO GEAR DRIVEN ROTARY POP-UP
•	T5PCK (P/C)	#3.0 NOZZLE	TORO GEAR DRIVEN ROTARY POP-UP
•	T5PCK (F/C)	#6.0 NOZZLE	TORO GEAR DRIVEN ROTARY POP-UP
acv <b>@</b>	474-00		TORO I" QUICK COUPLER VALVE W/(I) KEY AND HOSE SWIVEL
•	2400TF		IRRITROL I" ELECTRIC VALVE
•	HC-075-FLOW \$ 2400 (HARDWIRED)	OTF	HUNTER 3/4" HC FLOW METER & IRRITROL I" ELECTRIC VALVE AS MASTER VALVE
	PHC2400	24 STATION	HUNTER PRO-HC CONTROLLER W/RS I 000 RAIN SWITCH

SDR 26 CLASS 160 PVC PIPE (ALL PIPE 1-1/2" AND LARGER)

————— I OO# POLYETHYLENE PIPE (PE-3408 NSF APPROVED) (ALL PIPE DOWNSTREAM OF VALVE I - I/4" AND SMALLER)

NOT SHOWN #14 UL APPROVED 24V RED CONTROL WIRE WITH A #14 UL APPROVED WHITE COMMON WIRE

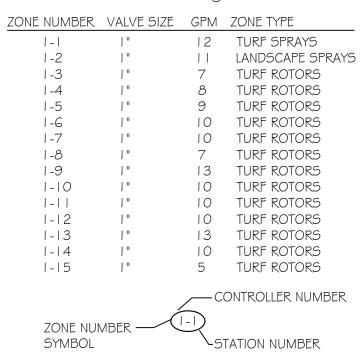
POINT OF CONNECTION (P.O.C.)

**▶** 765-1 FEBCO I" PRESSURE VACUUM BREAKER

#### GENERAL NOTES:

- I. COORDINATE THIS WORK WITH ALL OTHER TRADES.
- 2. ALL PLUMBING AND ELECTRICAL SHALL BE INSTALLED ACCORDING TO STATE AND LOCAL CODES.
- 3. ALL SLEEVES SHALL BE 4" PVC CLASS 160 (UNLESS OTHERWISE SPECIFIED). SLEEVE INSTALLATION SHALL BE THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR.
- 4. ALL PIPE NOT SIZED DOWNSTREAM OF VALVE IS 1".
- 5. IRRIGATION CONTRACTOR'S POINT OF CONNECTION SHALL BE ON 1" TYPE K COPPER PIPE STUBBED AT THE LOCATION SHOWN ON PLAN. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A MEANS OF WINTERIZATION FOR SUPPLY LINE UPSTREAM OF IRRIGATION CONTRACTOR'S POINT OF CONNECTION.
- 6. I I 5V POWER INTO CONTROLLER SHALL BE SUPPLIED BY ELECTRICAL CONTRACTOR.
- 7. CONTROLLER AND RAINSWITCH SHALL BE MOUNTED AT LOCATION SHOWN ON PLAN (VERIFY EXACT LOCATION WITH OWNER'S REPRESENTATIVE).
- 8. IRRIGATION CONTRACTOR SHALL ADJUST THE FLOW CONTROL FEATURE ON ALL ELECTRIC VALVES PER THE MANUFACTURER'S RECOMMENDATIONS TO MAXIMIZE THE VALVES PERFORMANCE AND LONGEVITY.
- 9. IF SITE PRESSURE IS NOT ADEQUATE, A BOOSTER PUMP AND RELATED EQUIPMENT MAY BE REQUIRED AT ADDITIONAL COST TO OWNER.
- 10. IRRIGATION PIPE AND EQUIPMENT SHOWN IN PAVED AREAS IS FOR CLARITY ONLY AND SHALL BE INSTALLED WITHIN THE TURF & LANDSCAPE AREAS.
- II. PIPE ROUTING IS DIAGRAMMATIC. ALL EQUIPMENT AND PIPE ARE TO BE FIELD ADJUSTED TO TAKE INTO CONSIDERATION ANY OBSTRUCTIONS AND ALL LANDSCAPE.
- 12. TYPE K COPPER SUPPLY LINE AND 24V CONDUIT SHALL BE INSTALLED BY OTHER THAN THE IRRIGATION CONTRACTOR AND SHALL RUN PARALLEL TO EACH OTHER. ROUTING SHOWN IS DIAGRAMMATIC. 24V CONDUIT SHALL CONTAIN A PULL-STRING FROM CONTROLLER TO TERMINUS OF CONDUIT.

WATER REQUIREMENTS: 13 GPM @ 53 PSI AT THE P.O.C.









THIS DESIGN IS BASED ON INFORMATION PROVIDED BY THE ARCHITECT AND/OR OWNER WHO ASSUMES FULL RESPONSIBILITY FOR ITS CORRECTNESS.



LANDSCAPE

Landscape Architecture Urban Planning Parks & Recreation Campus & Institutional Planning Camp Planning & Design

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Issued For: Date SITE PLAN REVIEW <u>12/5/23</u>

Project:

Dollar General

Spartan Manufacture Distributors

Allendale, MI 487 W. Division St. Sheet Title Sparta, MI 49345 Ph: 616.887.7301 Irrigation Plan

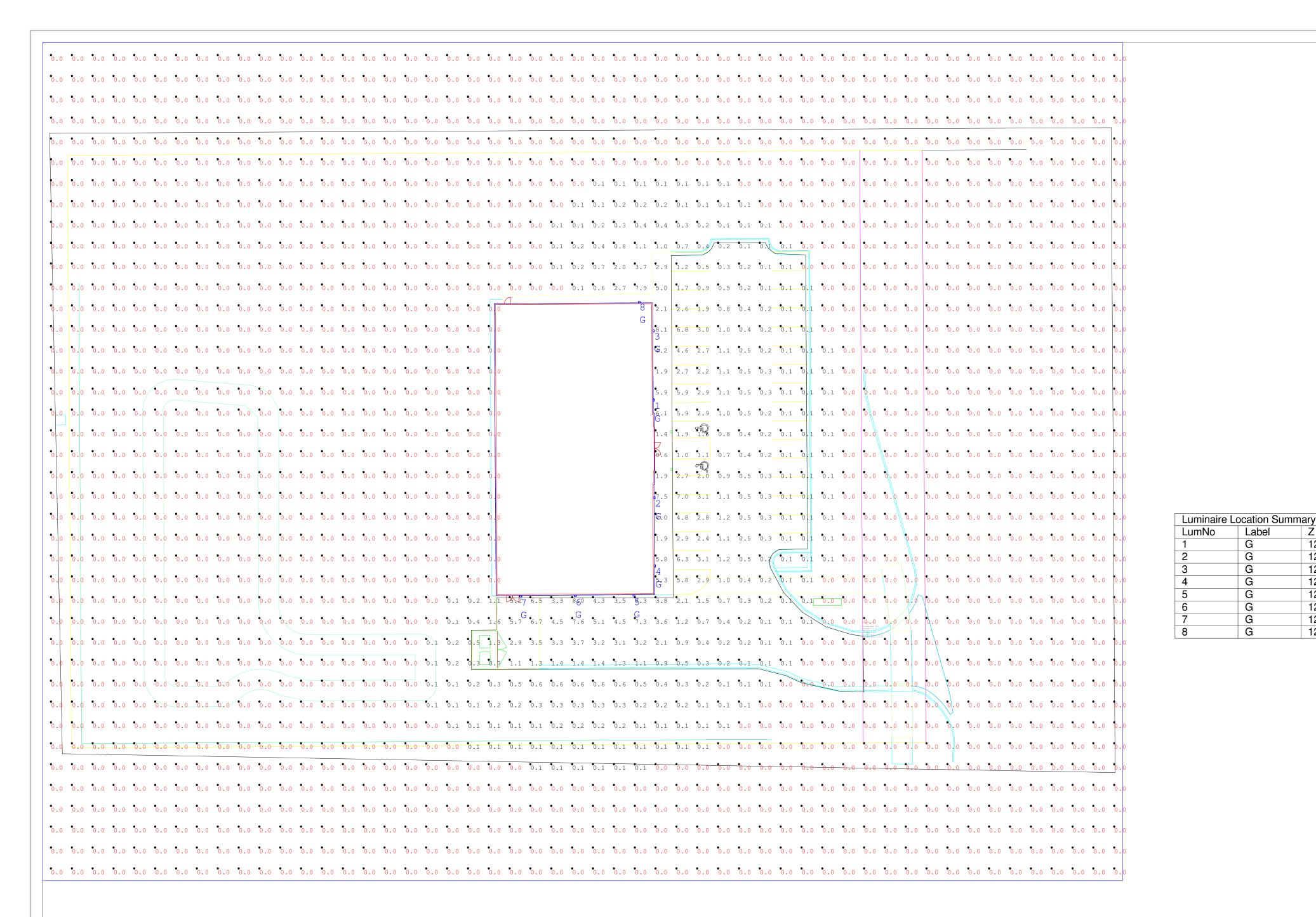
1050 Opdyke Road Auburn Hills, MI 48326 Ph: 248.373.8800 Fax: 248.373.8899

Fax: 616.887.6288

800.822.2216 Plan #: Date: Revisions:

Job No. Sheet No.

22302



Luminaire

Lumens

5359

0.950

Calculation Summary

CalcType

Illuminance

Illuminance

Units

Fc

0.19

1.31

Label

Parking Lot

Total

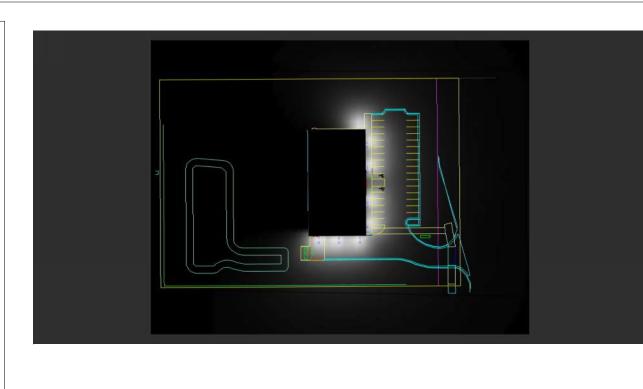
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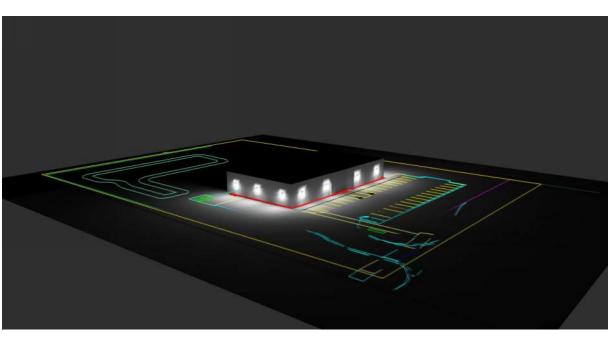
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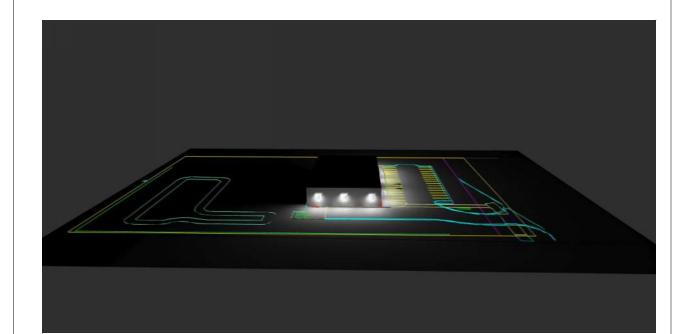
Luminaire

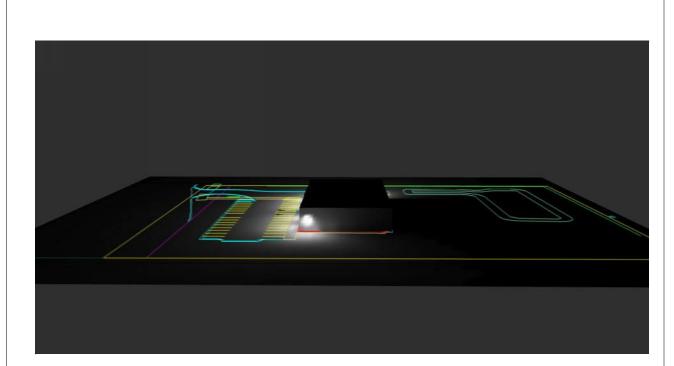
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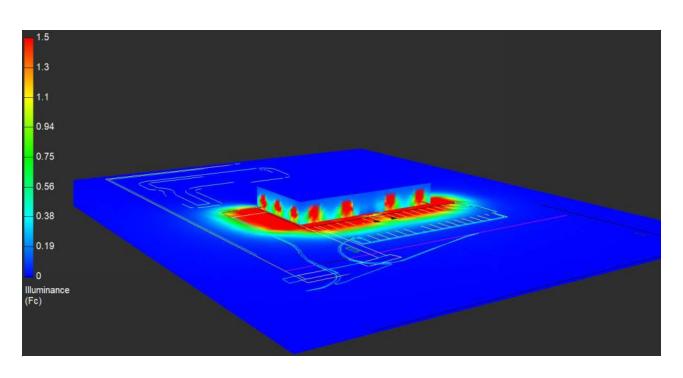








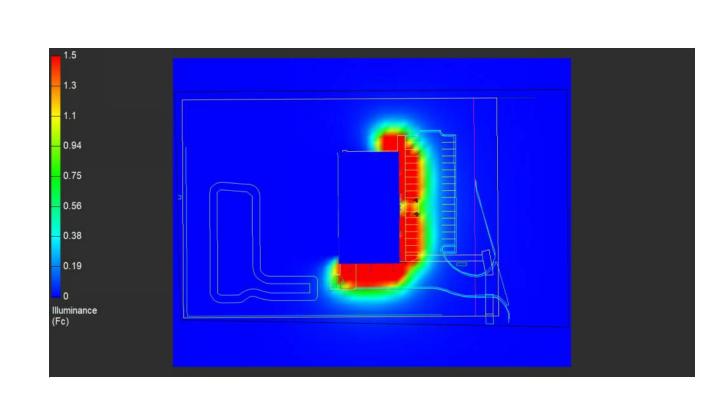
N.A.



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N.A.

Label





Comments					
Date					
#					
	Re	evis	ion	IS	

Drawn By: Brent M. Finley, LC Checked By: Date:12/6/2023
--

25352 General  $\overline{\leq}$ Allendale Dollar

Page 1 of 1

## Notes:

Luminaire Schedule

Symbol Qty Label

#### Plan Notes:

Calculations at Ground Level (10' x 10' Grid Spacing). Refer to luminaire location summary for mounting heights of each fixture. Pole mounted fixtures include a 2ft concrete base. Mounting heights indicated on luminaire location summary is a total A.F.G. height.

LEDS - WP4053 Wall Pack

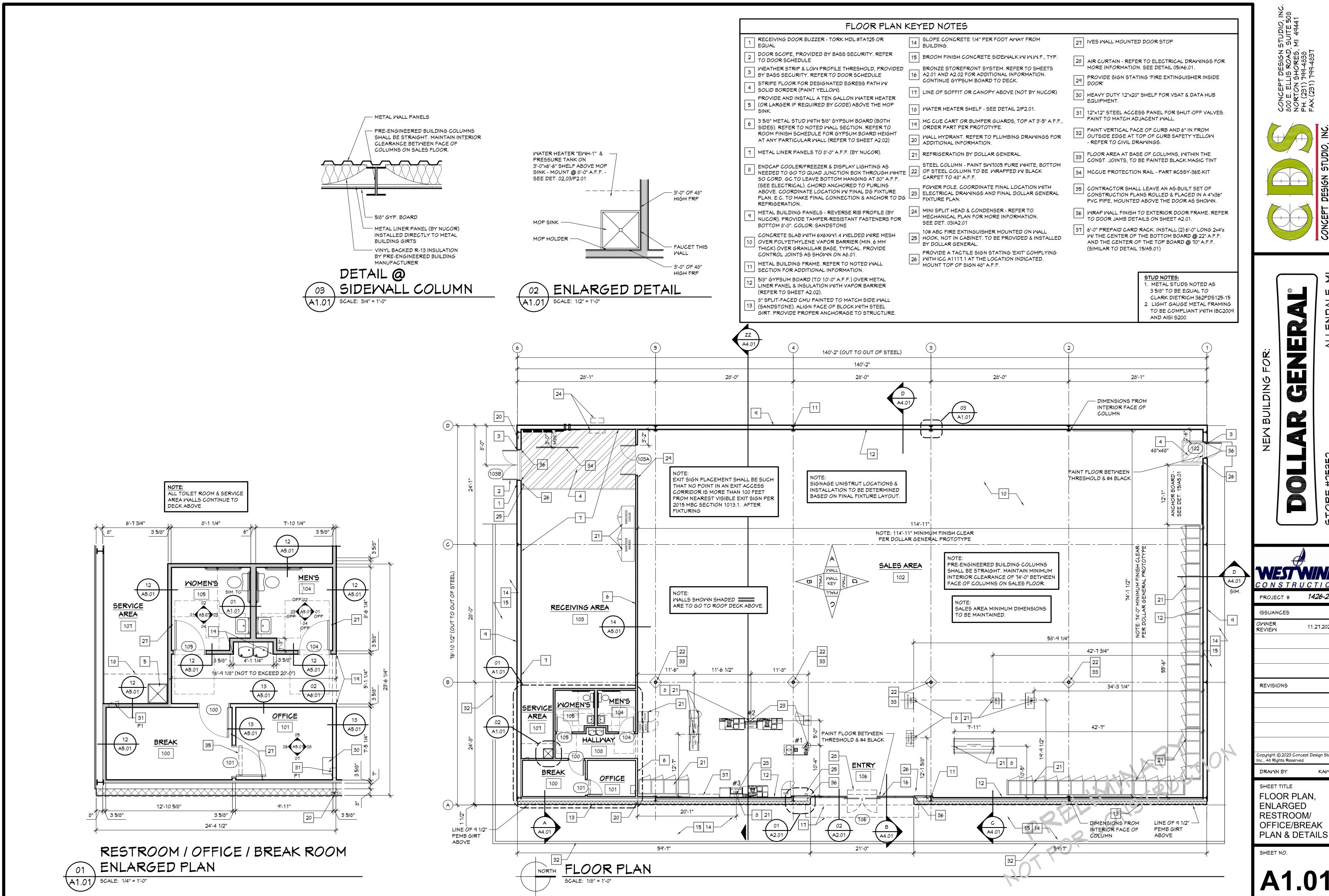
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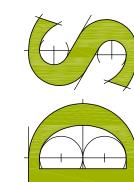
Arrangement

Single

## General Notes:

Due to changing lighting ordinances it is the contractors resposibility to submit the site photometrics & luminaire specs to the local inspector before ordering to ensure this plan complies with local lighting ordinances. This lighting design is based on information supplied by others. Changes in electrical supply, area geometry & objects within the lighted area may produce illumination values different from the predicted results shown on this layout. This layout is based on .IES files that were lab tested or computer generated, actual results may vary.





PROJECT #

ISSUANCES 11.27.2023

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SHEET TITLE FLOOR PLAN **ENLARGED** RESTROOM/ OFFICE/BREAK

SHEET NO.

0

BUIL

1426-23

PROJECT # ISSUANCES

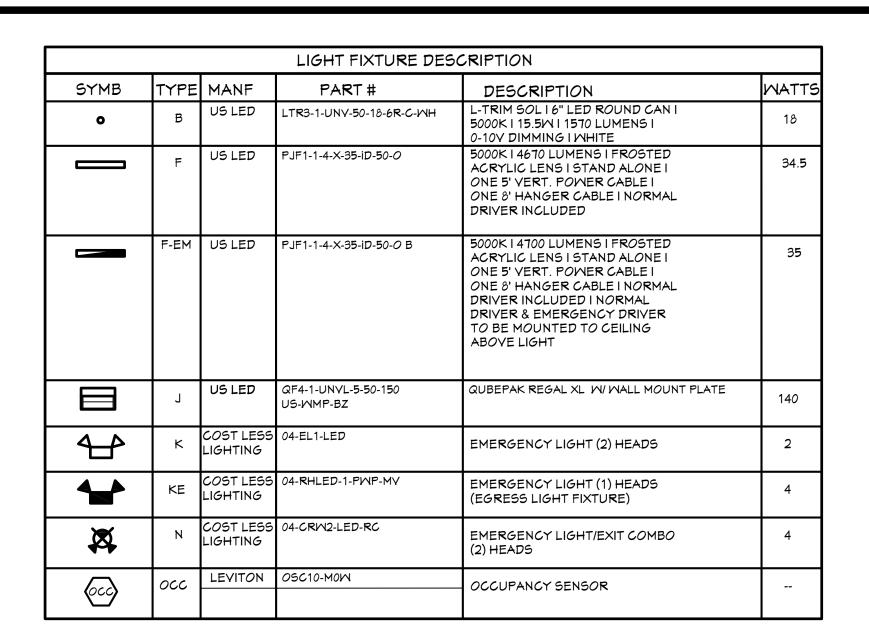
OWNER REVIEW 11.27.2023

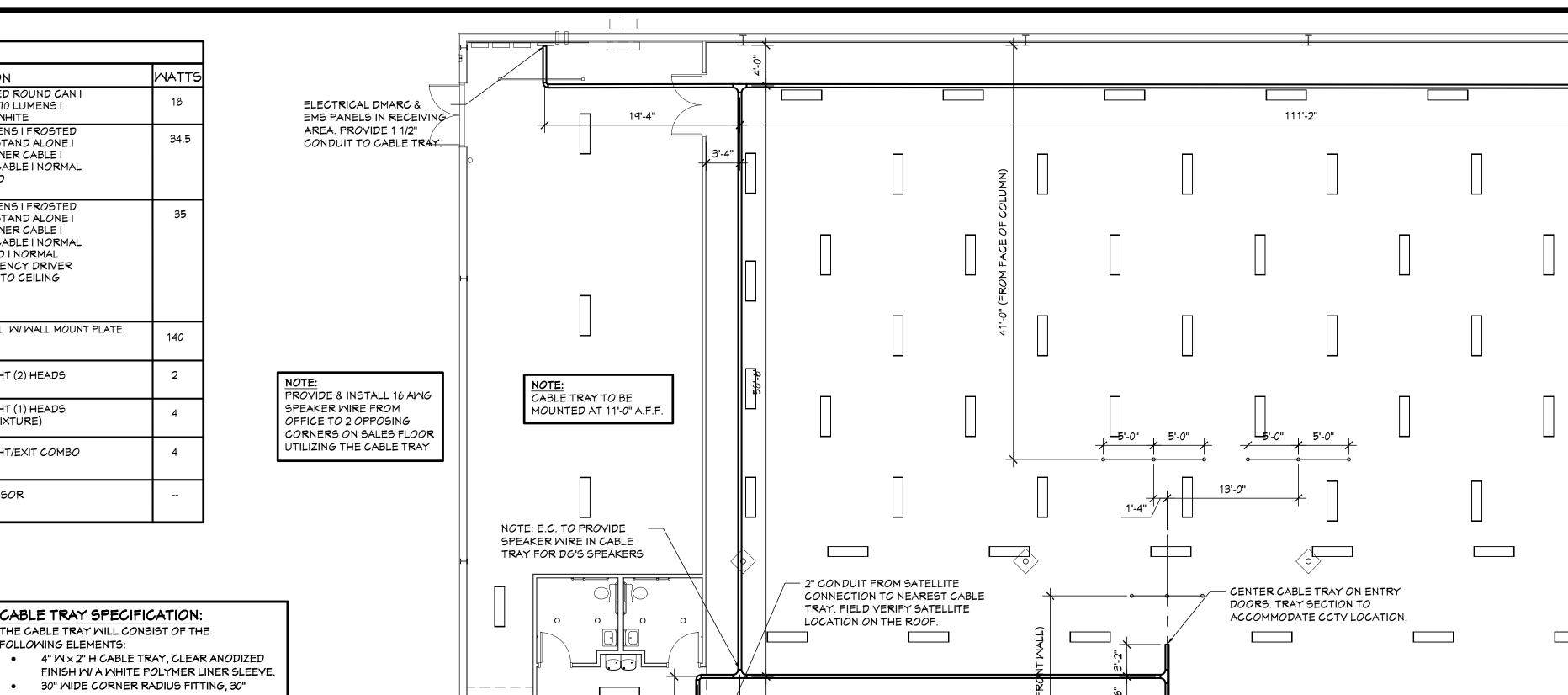
**REVISIONS** 

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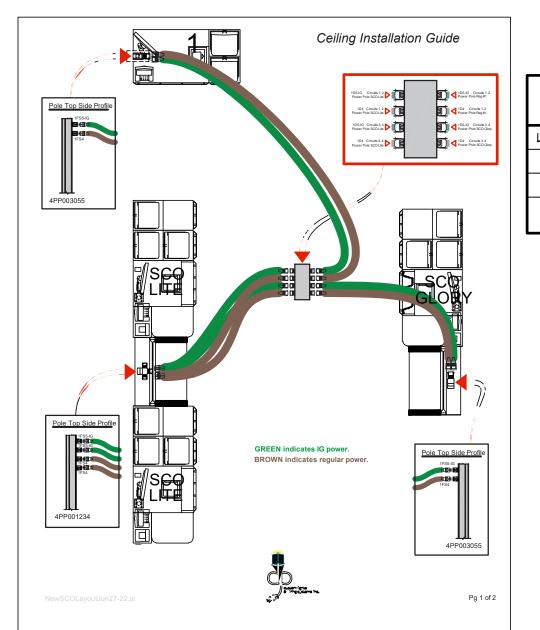
SHEET TITLE **EXTERIOR ELEVATIONS &** DETAILS





42'-4"

LOCATION OF OFFICE HUB BELOW. BUNDLE ALL WIRES AND RUN TO CABLE TRAY





WITH PURLIN CLIPS

CABLE TRAY SPECIFICATION:

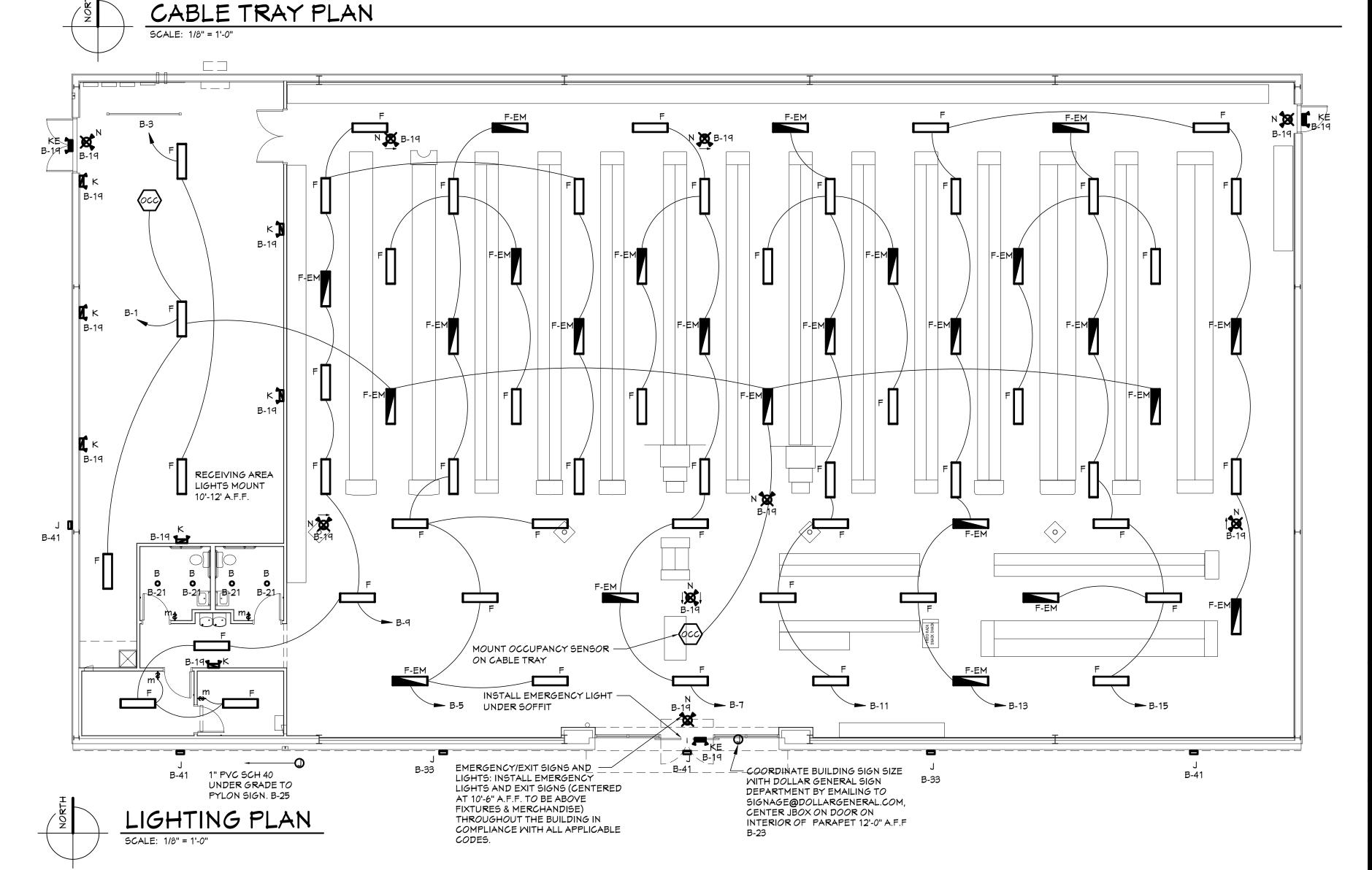
FOLLOWING ELEMENTS:

THE CABLE TRAY WILL CONSIST OF THE

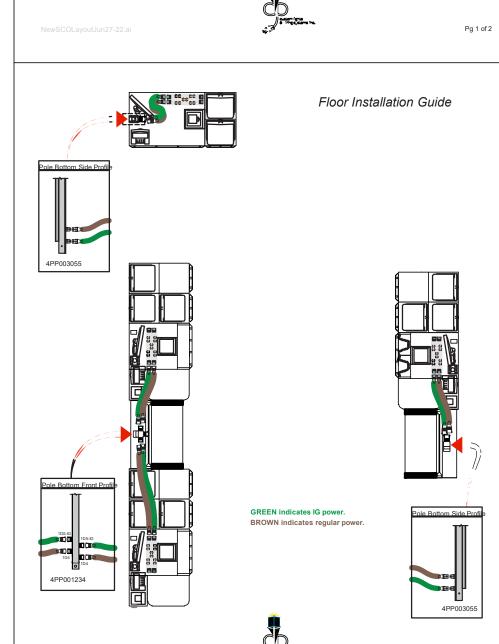
WIDE TEE FITTING AND SPLICE KITS

(2) KEYLESS SPEED LINK STRANDED CABLES W/ HOOKS AT Y END PER TRAY

LIGHT FIXTURES	10'-8" A.F.F. TO BOTTOM OF FIXTURE
CABLE TRAY	11'-0" A.F.F. TO BOTTOM OF FIXTURE
UNISTRUTS	11'-0" A.F.F. TO BOTTOM OF FIXTURE
EMERGENCY LIGHTS	10'-6" A.F.F. TO BOTTOM OF FIXTURE



31'-1*0*"



REGISTER POWER POLE SCALE: N.T.S.

NOTE: E.C. TO PROVIDE

SPEAKER WIRE IN CABLE TRAY FOR DG'S SPEAKERS

1320-23 PROJECT # ISSUANCES

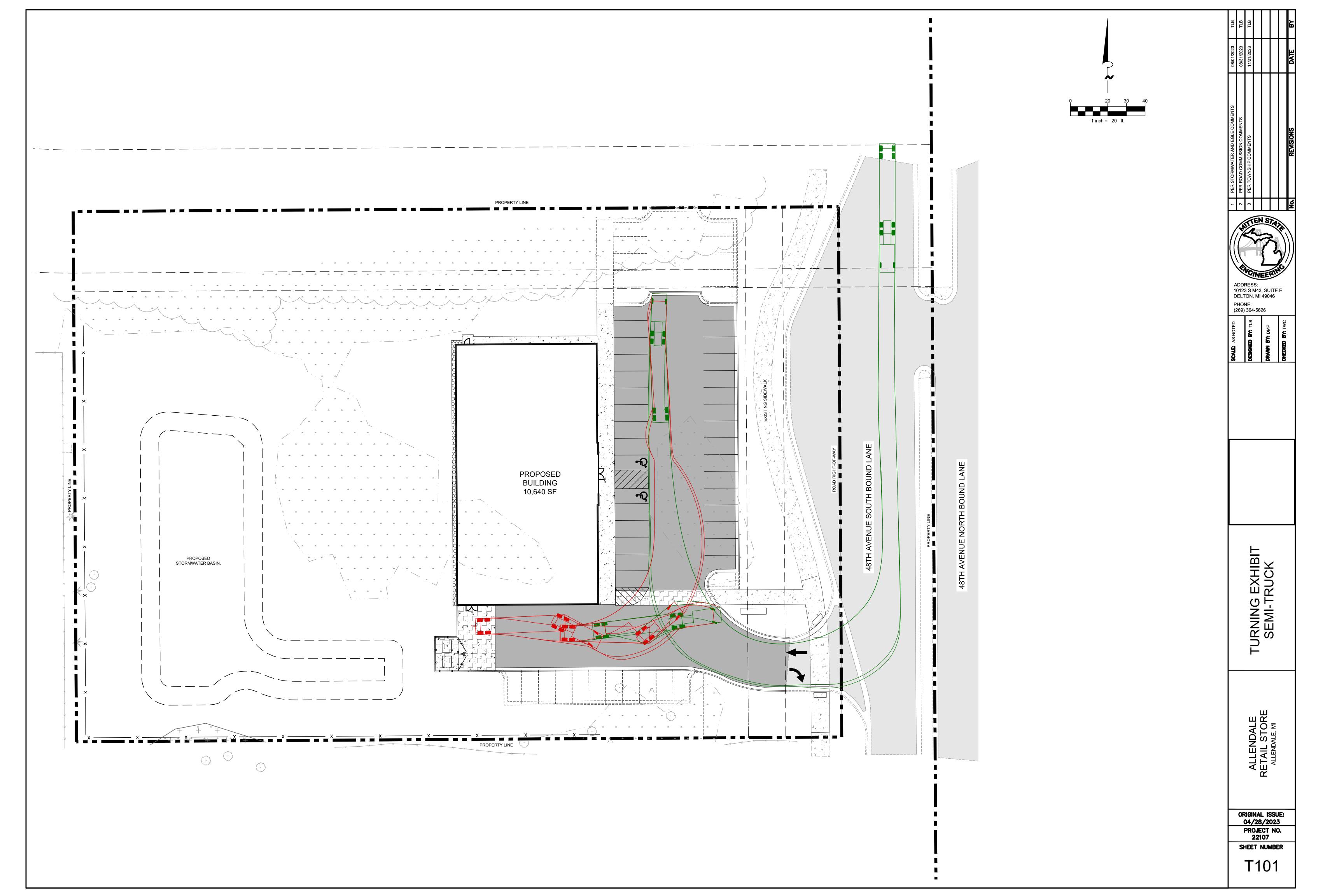
CONSTRUCTION

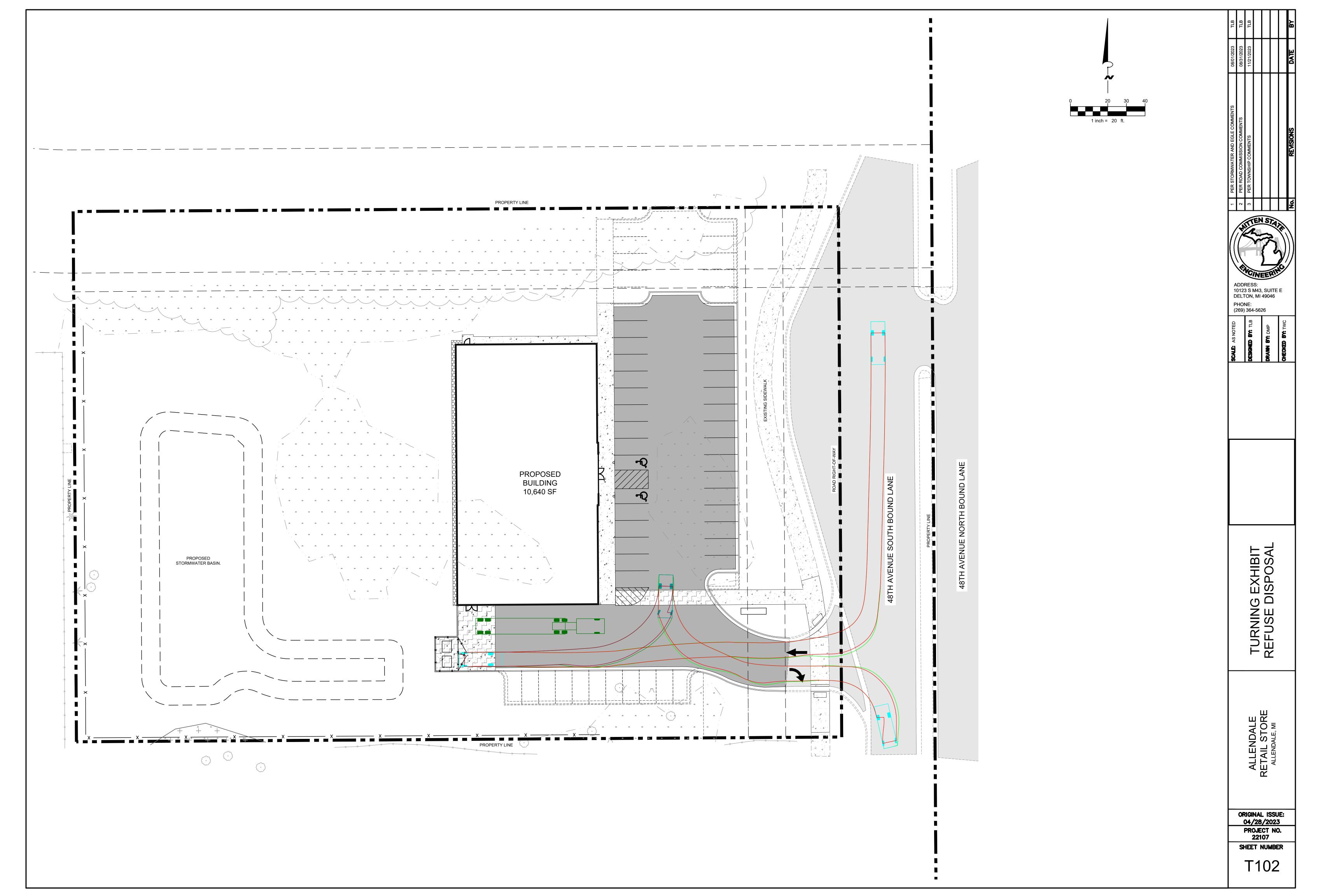
**REVISIONS** 

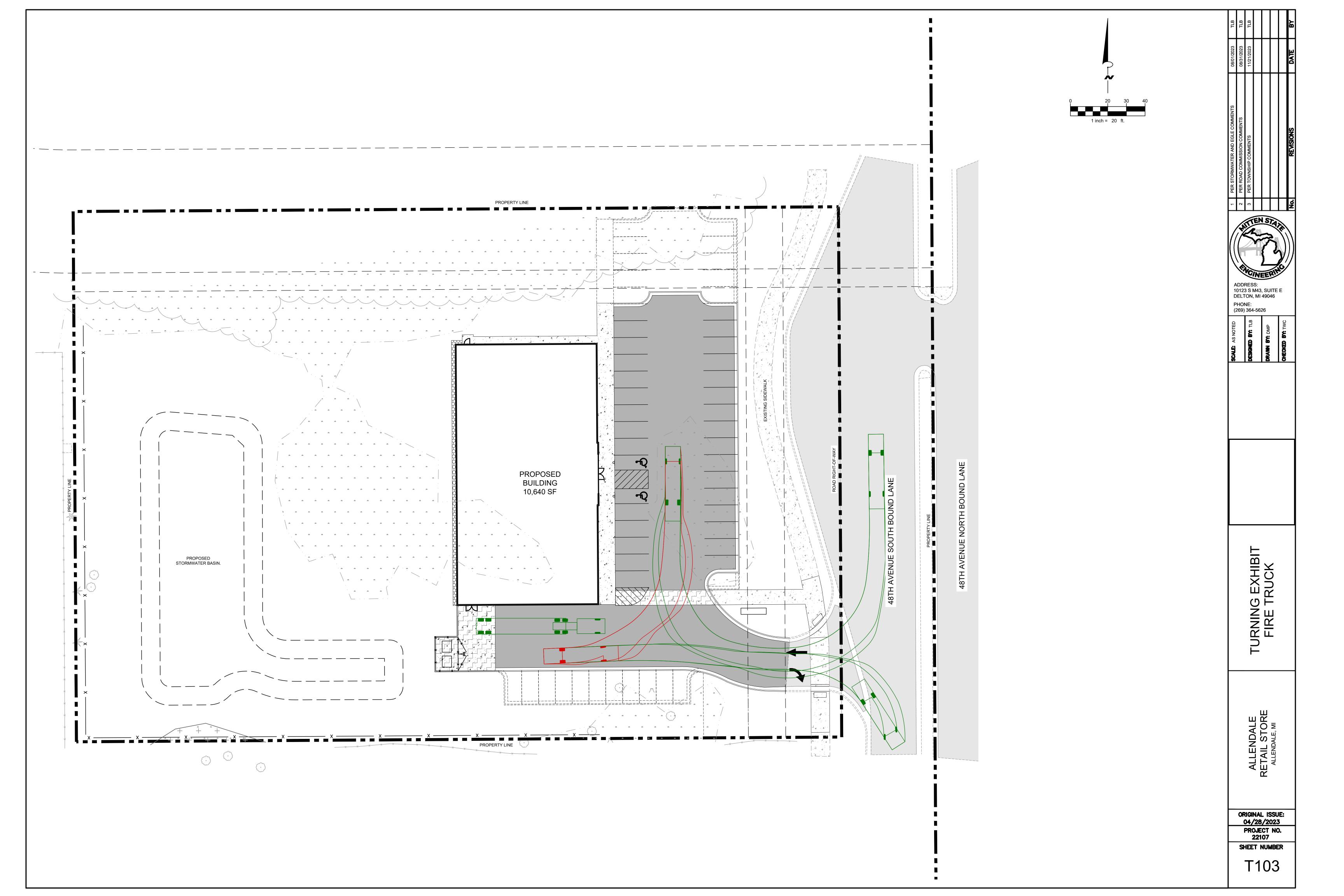
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SHEET TITLE LIGHTING PLAN & SCHEDULES

SHEET NO.







Luminaire Schedule							
Symbo	I Qty	Label	Arrangement	Lumens/Lamp	LLF	Lum. Watts	Description
	8	G	Single	5346.7	0.950	39.8284	LEDS - WP4053 Wall Pack

Numeric Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Site	Illuminance	Fc	0.19	8.3	0.0	N.A.	N.A.
Parking Lot	Illuminance	Fc	1.31	7.6	0.0	N.A.	N.A.

Luminaire Location Summary					
LumNo	Label	Z			
1	G	12			
2	G	12			
3	G	12			
4	G	12			
5	G	12			
6	G	12			
7	G	12			
8	G	12			

### Notes:

### Plan Notes:

Calculations at Ground Level (10' x 10' Grid Spacing). Refer to luminaire location summary for mounting heights of each fixture. Pole mounted fixtures include a 2ft concrete base. Mounting heights indicated on luminaire location summary is a total A.F.G. height.

### General Notes:

Due to changing lighting ordinances it is the contractors resposibility to submit the site photometrics & luminaire specs to the local inspector before ordering to ensure this plan complies with local lighting ordinances. This lighting design is based on information supplied by others. Changes in electrical supply, area geometry & objects within the lighted area may produce illumination values different from the predicted results shown on this layout. This layout is based on .IES files that were lab tested or computer generated, actual results may vary.

Project name: Dollar General Allendale MI 25352 Lighting Layout

Prepared for: Mitten State Engineering

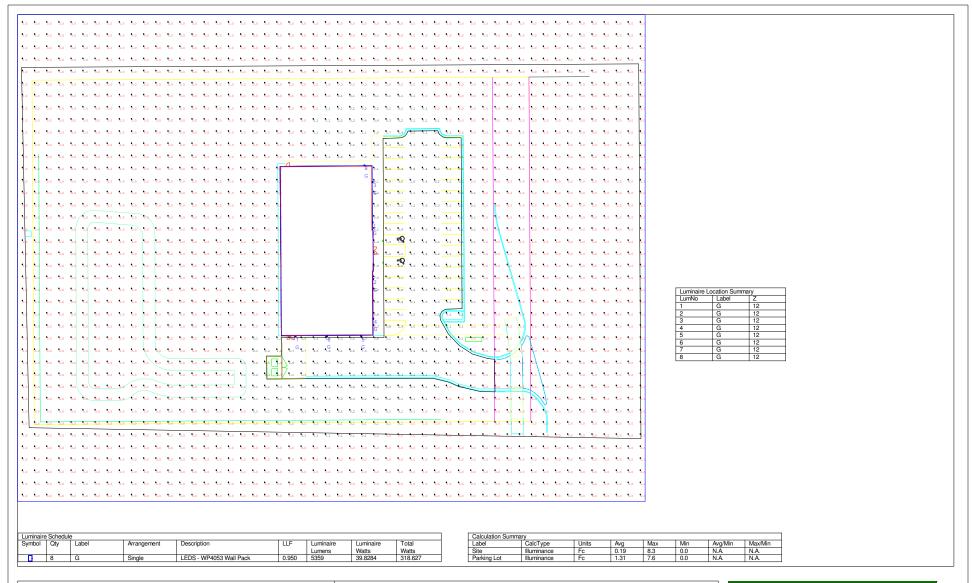
Prepared by: Brent M. Finley, LC

### **NLES - INC.**

N8874 Fire Lane 1 Menasha, WI 54952 PH 920-840-6054 / FAX 920-840-6424 www.nlesinc.com



Date:12/6/2023 Page 1 of 9



Prepared for: Mitten State Engineering

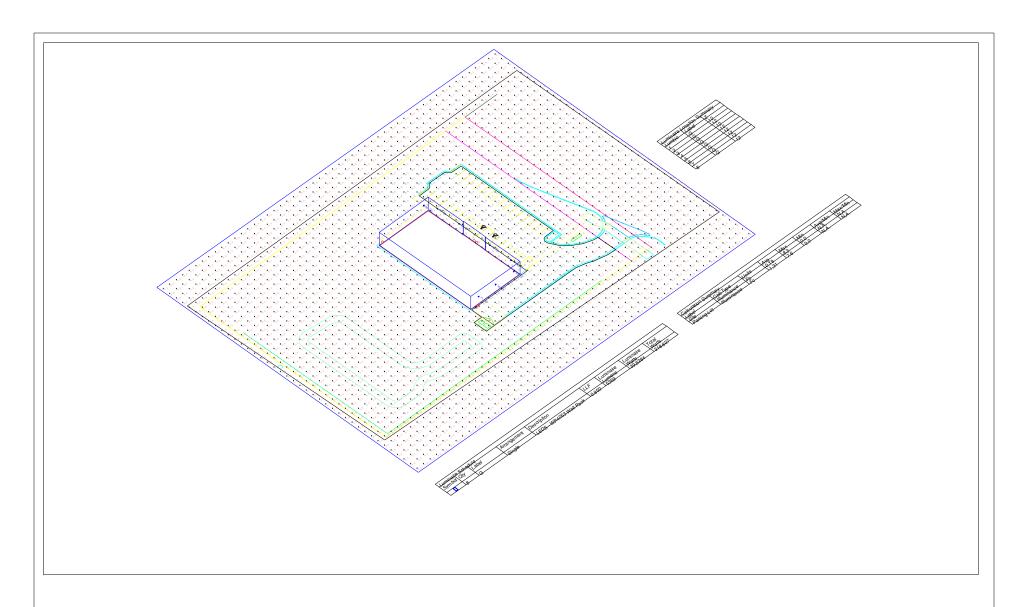
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Date:12/6/2023 Page 2 of 9



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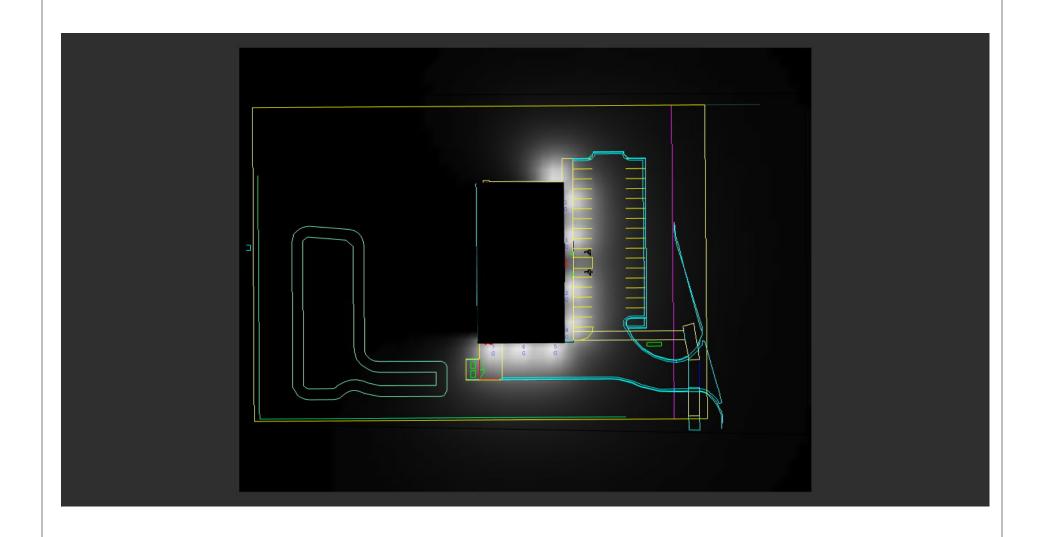
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Date:12/6/2023 Page 3 of 9



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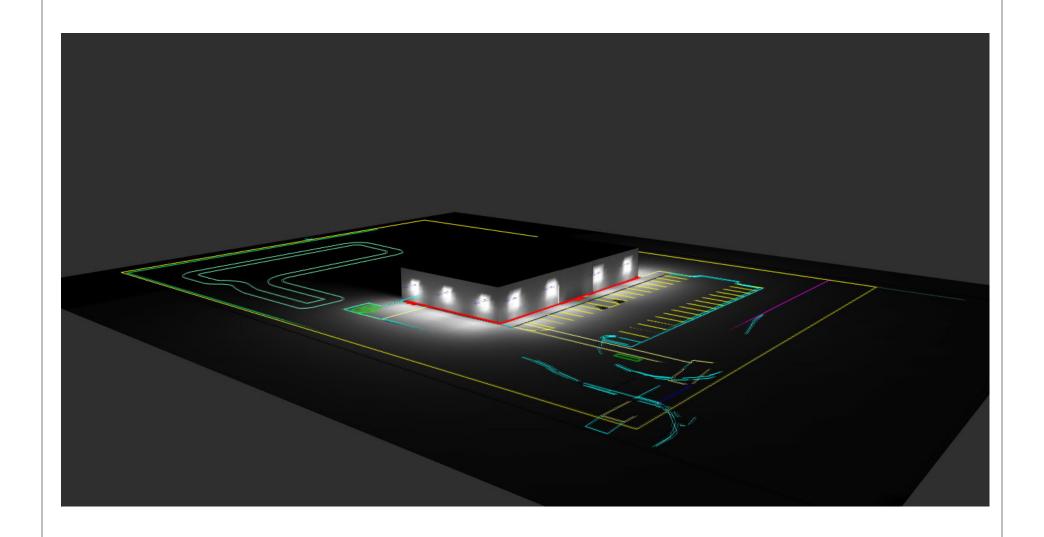
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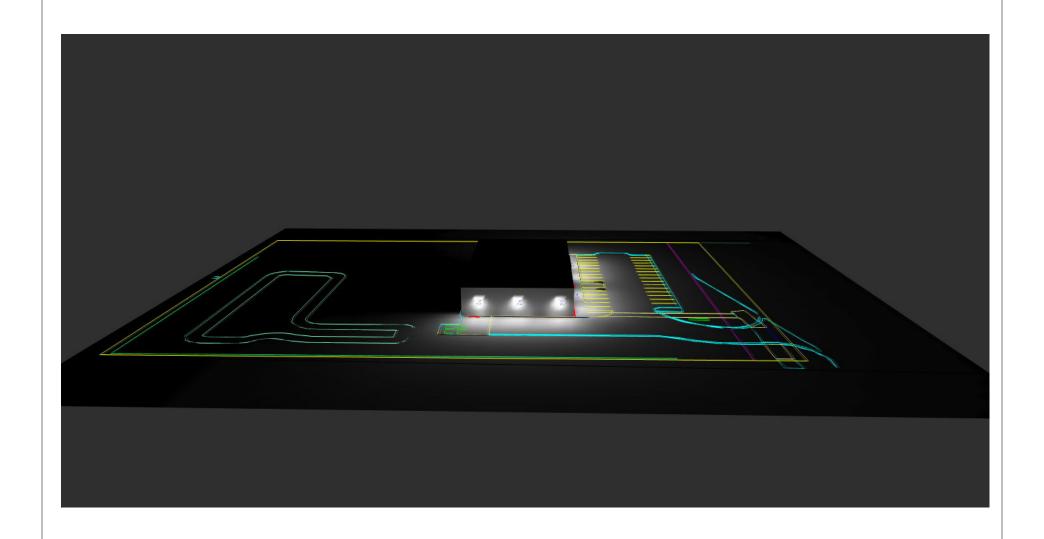
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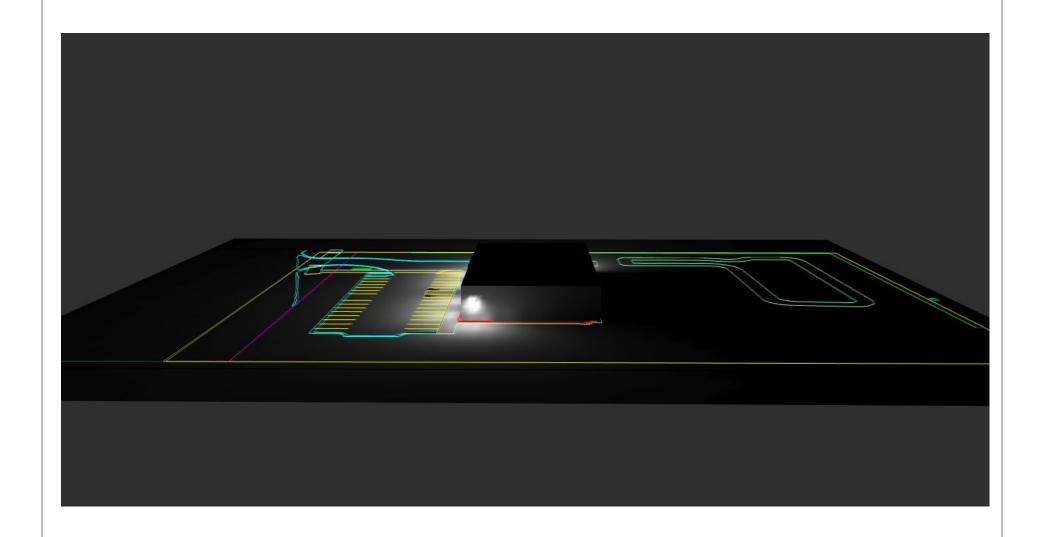
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Page 6 of 9 Date:12/6/2023



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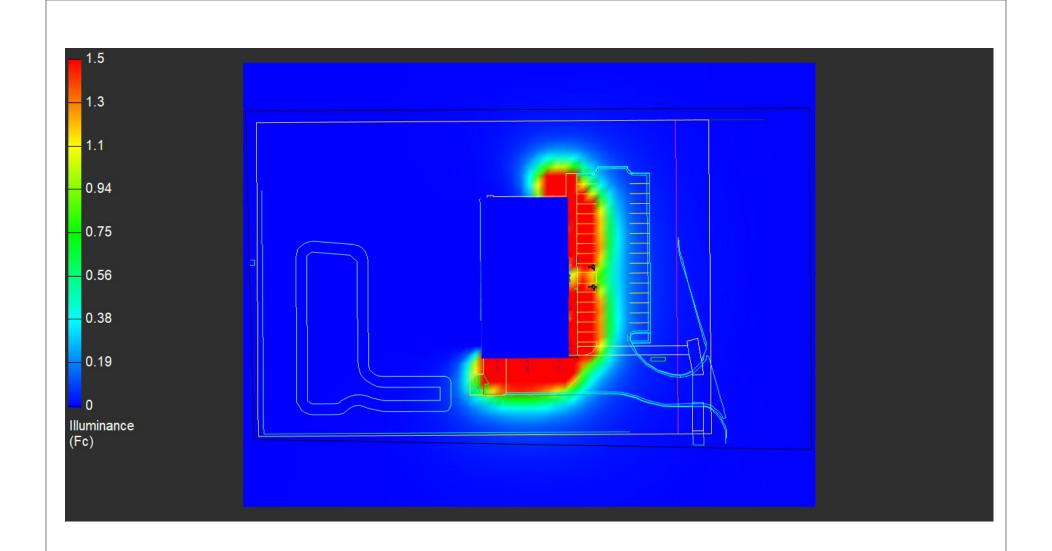
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Date:12/6/2023 Page 7 of 9



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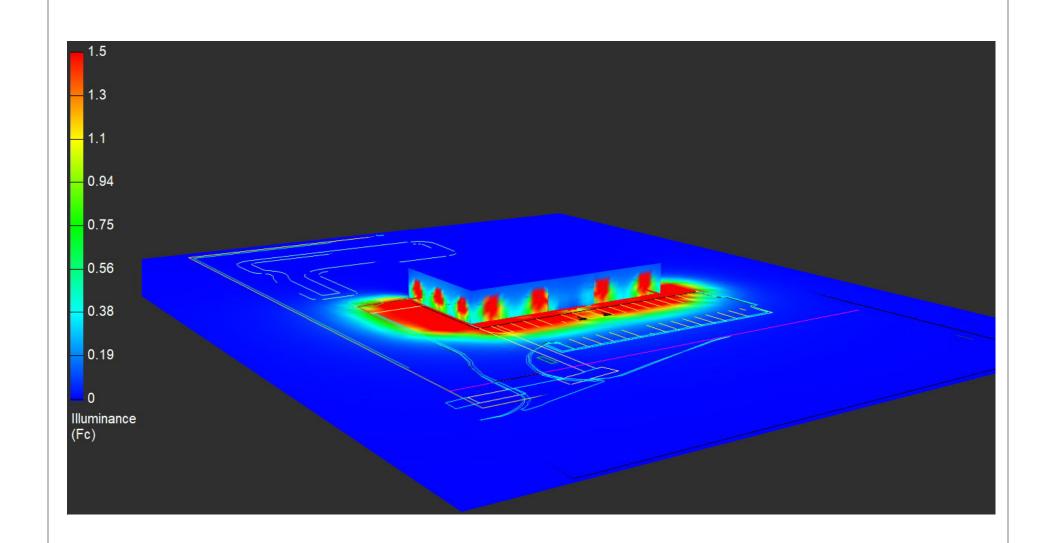
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www.nlesinc.com



Date:12/6/2023 Page 8 of 9



Prepared for: Mitten State Engineering

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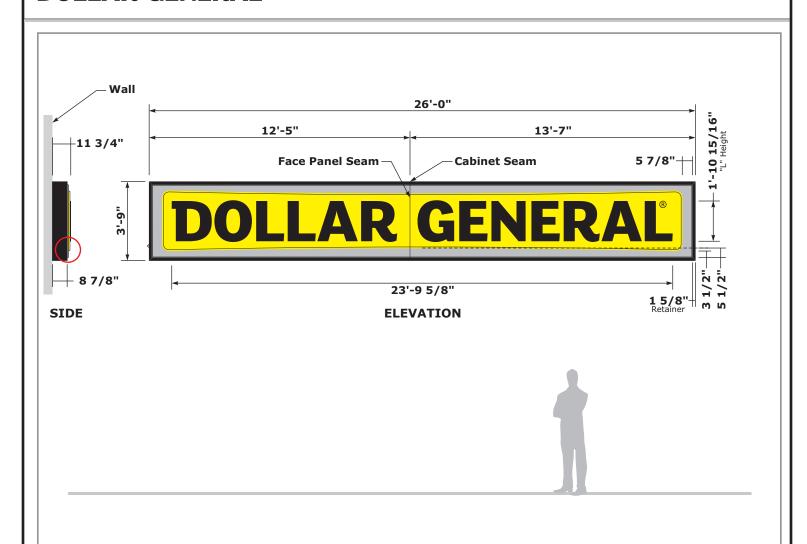
N8874 Fire Lane 1 Menasha, WI 54952 PH 920-840-6054 / FAX 920-840-6424 www.nlesinc.com



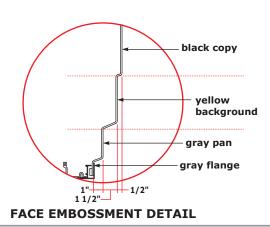
Date:12/6/2023 Page 9 of 9

### **DOLLAR GENERAL**

### 3'-9" x 26'-0" WALL CABINET



.150" clear UV polycarbonate (Spartech) pan formed face with Black copy over Spraylat C8-2633 Yellow on PMS Cool Gray 5 background. Cabinet to be painted Semi-Gloss Black.



# **SQUARE FOOTAGE** ACTUAL 97.50 sq. ft.

### Yellow: Brushed Aluminum: Black (Copy): Cool Gray:

Rock Bottom Gray: match PMS 368C Green:

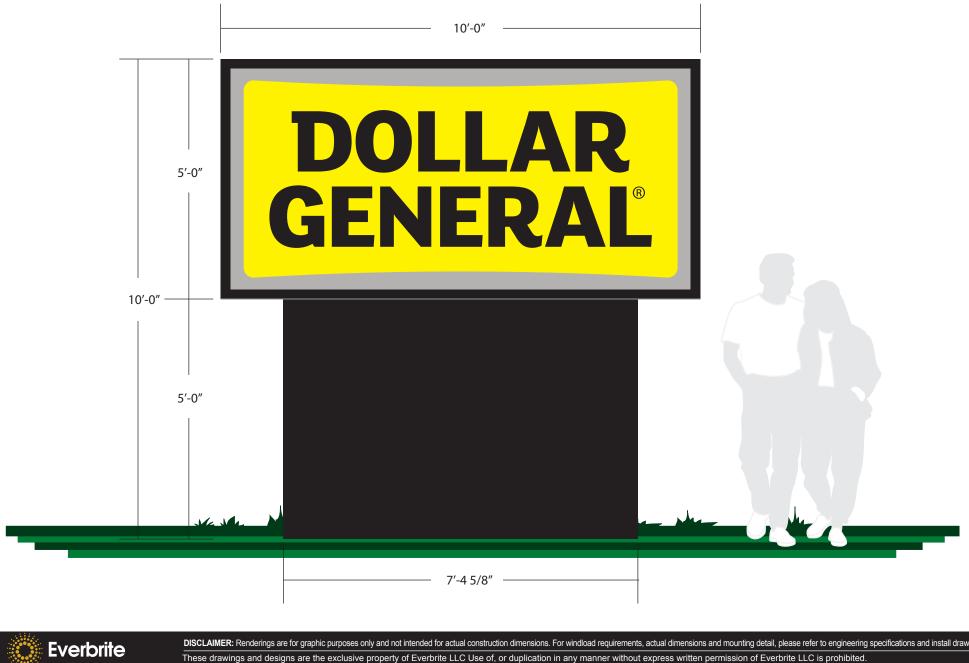
**COLOR SPECIFICATIONS** match Spraylat C8-2633 match Spraylat FM-171 match Spraylat Black Semi-Gloss Black (Metal): match Black Polyurethane match PMS Cool Gray 5 match Sherwin Williams SW7062

**DOLLAR GENERAL** 

File Name: Dollar General Cutsheets 2013 Project #: 13-0181 Page 11 of 33 Date: 08/30/2013 Approved By:



135 South David Lane Knoxville, TN 37922 Office: 865-539-4001 Fax: 865-539-0851 WWW.LINKENGR.COM



Everbrite	DISCLAIMER: Renderings are for graphic purposes only and not intended for actual construction dimensions. For windload requirements, actual dimensions and mounting detail, please refer to engineering specifications and install drawings.					
<b>Everbrite</b>	These drawings and designs are the exclusive property of Everbrite LLC Use of, or duplication in any manner without express written permission of Everbrite LLC is prohibited.					
Customer: Dollar General			Description:	Customer Approval: NOTE: Unless specified by customer, all depth of embossing will be		
Project No: 298739 Scale: 1/2"=1'-0"		M50 @ 10' OAH	determined by Everbrite Engineering or existing customer specifications on file. Colors and graphics on file will be used unless otherwise specified by customer.			
Date: 5/16/16	= · • · · · · · = j · = =				Sketch OK as is	
Location & Site No:			Revised:	back to Everbrite.	☐ New sketch required	
		Revised:	SIGNATURE	DATE		



### Get a timeless brick finish without the traditional hassle.

The slight variations in color, the stately good looks, the grout lines — it's all there in the Nichiha Brick Series. Thanks to a proprietary multi-layered coating process, the beauty of brick is built to last in these fiber cement panels. With five finishes, you have the freedom to create the brick building of your choice without the extra cost or hassle. These panels really do have it all, however, we did leave out the tons of weight and the extra time required to see your project to completion. We figured they wouldn't be missed.

# VINTAGEBRICK\* ALEXANDRIA BUFF WHITE WASH VINTAGEBRICK\* SPECS DIMENSIONS (ACTUAL MM) THICKNESS (ACTUAL MM) THICKNESS (ACTUAL MM) WEIGHT (LBS. PER PANEL) WEIGHT (LBS. PER PANEL) EXPOSED COVERAGE (SO. FT. PER PANEL) PACKAGING (PIECES PER PACK) Z[17.76 SQ. FT.]

### PLYMOUTHBRICK\*





Get the classic look of kiln-fired brick with the modern strength of PlymouthBrick panels

PLYMOUTHBRICK" SPECS	AWP 1818
DIMENSIONS (ACTUAL MM)	17-7/8" H = 71-9/16" L (455MM H x 1818MM L)
THICKNESS (ACTUAL MM)	5/8° (16MM)
WEIGHT (LBS. PER PANEL)	35.2
WEIGHT (LBS. PER SQ. FT.)	3.9
EXPOSED COVERAGE (SQ. FT. PE. PANEL)	88 SQ. FT
PACKAGING (PIECES PER PACK)	2 [17-76 SQ. FT.]

### CANYONBRICK\*\*



CANYONBRICK** SPECS	AWP 1818		
DIMENSIONS (ACTUAL MM)	17-7/8" H x 71-9/16" L (455MM H x 1818MM L)		
THICKNESS (ACTUAL MM)	5/8" (16MM)		
WEIGHT (LBS_PER PANEL)	35.2		
WEIGHT (LBS_PER SQ_FT.)	3.9		
EXPOSED COVERAGE (SQ. FT. PER PANEL)	8.88 SQ. FT.		
PACKAGING (PIECES PER PACK)	2 [17 76 SQ. FT.]		

### MODERNBRICK"



MODERNBRICK* SPECS	AWP 1818
DIMENSIONS (ACTUAL MM)	17-7/8" H x 71-9/16" L (455MM H x 1818MM L)
THICKNESS (ACTUAL MM)	5/8" (16MM)
WEIGHT (LBS PER PANEL)	36.6
WEIGHT (LBS. PER SQ. FT.)	41
EXPOSED COVERAGE (SQ. FT PER PANEL)	8.88 SQ. FT
PACKAGING (PIECES PER PACK)	2 (17 76 SQ FT.)





22 BRICK SERIES 23

# **SP Cool Coatings**

This cool silicone-polyester paint system utilizes a two-coat system that offers superior quality and durability.



a NUCOR® company

Polar White †	IR .67 SRI 81	Sandstone †	IR .59 SRI 69	Fox Gray †	IR .51 SRI 58
Sagebrush Tan †	IR .51 SRI 59	Brick Red †	IR .38 SRI 40	Aztec Blue †	IR .27 SRI 26
Forest Green †	IR .27 SRI 25	Burnished Slate †	IR .32 SRI 32	Galvalume *⁺	IR .77 SRI 72

<sup>\*</sup>Non-Stock Color: Extended lead times may apply. \*The Galvalume coating process is likely to result in variances in spangle (size, number, and reflection) from coil to coil which may result in noticeable shade variations. Galvalume is also subject to variable weathering and may appear to have different shades due to weathering characteristics. These shade variations are not cause for rejection. † ENERGY STAR® Qualified Color. All SP colors have a 25-year finish warranty. Colors shown closely approximate actual coating colors. These colors utilize Cool Coating Technology. The term "TBS" on the Order Document refers to "To Be Selected" from standard SP colors as shown on this chart.



# **SP Cool Coatings**

# **Product Specifications**



### a NUCOR® company

# Solar Reflectance, Thermal Emittance and Solar Reflectance Index (SRI)

### Solar Reflectance

To be considered "cool," products must have a Solar Reflectance of at least .25. Solar Reflectance is the fraction of the total solar energy that is reflected away from a surface.

### Thermal Emittance

Thermal Emittance is the measure of a panel's ability to release heat that it has absorbed.

### Solar Reflectance Index (SRI)

Put Solar Reflectance and Thermal Emittance together and you get the Solar Reflectance Index (SRI). SRI is calculated by using the values of solar reflectance, thermal emittance and a medium wind coefficient. The higher the SRI value, the lower its surface temperature and consequently, the heat gain into the building. Metal roofs coated with SP Cool Coatings achieve an SRI of 25-81, depending on the color.

Conventional roof surfaces have low reflectance (0.05 to 0.25) and high thermal emittance (typically over .85). Roof panels with both high reflectance and high emittance can reduce the surface temperature by as much as 30-50% based on color and geographic location, which will result in a reduced heat gain to the building, therefore reducing the energy demand.

GALVALUME® is a registered trademark of BIEC International Inc., and some of its licensed producers.

### **SP COOL PANEL COLORS**

SP Cool Color	Initial Solar Reflectance (IR)	Initial Thermal Emittance	Solar Reflectance Index (SRI)
Polar White	.67	0.83	81
Sandstone	.59	0.84	69
Fox Gray	.51	0.85	58
Sagebrush Tan	.51	0.85	59
Brick Red	.38	0.85	40
Aztec Blue	.27	0.85	26
Forest Green	.27	0.83	25
Burnished Slate	.32	0.85	32
Galvalume®	.77	0.08	72

### SP COOL TECHNICAL INFORMATION

Test	Test Methods	Performance
Dry Film Thickness	ASTM D1005	0.15 - 0.30 mil primer 0.70 - 0.90 mil topcoat
Gloss	ASTM D523 @ 60°	10 - 80+
Solar Reflectance	ASTM E903, ASTM E1918 Using portable reflectometer	0.25 (25%) min.
Emissivity	ASTM C1371, ASTM E408	0.80 (80%) min.
Pencil Hardness	ASTM D3363	F min.
Flexibility	T-Bend, ASTM D4145	2 T-bend, No pick off
Adhesion	ASTM D3359	1.5 x metal thickness, No adhesion loss
Reverse Impact	ASTM D2794	2 x gauge or 80 lbs.
Abrasion, Falling Sand	ASTM D968	25 - 40 I/mil
Mortar Resistance	ASTM C267	No effect
Detergent Resistance	ASTM D2248 3% detergent @ 100°F (72 hrs.)	No effect
Acid Resistance	ASTM D1308 10% muriatic acid - 15 min. 20% sulfuric acid - 24 hrs.	No effect No effect
Acid Rain Test	Kesternich SO2, DIN 50018	10 cycles min. No objectionable color change
Alkali Resistance	ASTM D1308 10%, 20% NaOH, 1 hr.	No effect
Salt Spray Resistance	ASTM B117 5% salt fog @ 95°F	Passes 1000 hrs.
Humidity Resistance	ASTM D714, ASTM D2247 100% relative humidity @ 95°F	Passes 1000 hrs. No blisters, cracks or peeling
Exterior Exposure	ASTM D2244, ASTM D4214 10 yrs. @ 45°F, South Florida	Max. 5 fade Max. 8 chalk



1 0 0 Mission Ridge Goodlettsville, TN 3 7 0 7 2 6 1 5 . 8 5 5 . 4 0 0 0

www.dollargeneral.com

Kelli McGovern Allendale Charter Township 6676 Lake Michigan Drive Allendale, MI 49401

November 6, 2023

Re: Parking Requirements at the proposed Dollar General

Dear Ms. McGovern,

Through the years, Dollar General has refined the design criteria for new store development. With over 19,000 stores in productive operation, we have gathered significant data.

One area which we are balancing between is customer need is parking requirements and accessibility for our build-to-suit locations. Our stores average 15 to 20 transactions per hour. We have estimated and confirmed that 34 spaces will accommodate the customer flow rate that our business generates. This standard has also been sufficient for traffic generated at the peak seasonal levels.

Thank you for your consideration and feel free to contact me with any other questions you may have.

Sincerely,

Tom arnotts - PMI

### **Dollar General Corporation**

**Senior Construction Manager** 

Northeast Atlantic Region - CT,RI,MA,ME,NH,VT,MI,KY,TN,WV,&SC

tarndts@dollargeneral.com

Cell: 586-524-1792 Office: 615-855-5310



### **NOTICE OF AUTHORIZATION**

Permit Number: WRP039068 v. 1 Date Issued: October 26, 2023 Site Name: 70-10955 48th Ave-Allendale Expiration Date: October 26, 2028

The Michigan Department of Environment, Great Lakes, and Energy (EGLE), Water Resources Division, P.O. Box 30458, Lansing, Michigan 48909-7958, under provisions of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended; specifically:

$\hfill \square$ Part 31, Floodplain Regulatory Authority of the Water Resources Protection.
☐ Part 301, Inland Lakes and Streams.
☑ Part 303, Wetlands Protection.
☐ Part 315, Dam Safety.
☐ Part 323, Shorelands Protection and Management.
☐ Part 325, Great Lakes Submerged Lands.
☐ Part 353, Sand Dunes Protection and Management.

### Authorized activity:

Permanently impact 0.11 acres of emergent wetland to construct building and parking area and temporarily impact 0.02 acres of emergent wetland to install storm sewer. All work shall be completed in accordance with the attached plans and the specifications of this permit.

To be conducted at property located in: Ottawa County, Waterbody: Unnamed Wetland Section 25, Town 07N, Range 14W, Allendale Township

### Permittee:

Peter Oleszczuk 1435 Fulton Ave FL 2 Grand Haven, MI 49417

> Abigail Richmond Grand Rapids District Office Water Resources Division 616-260-7328

This notice must be displayed at the site of work.

Laminating this notice or utilizing sheet protectors is recommended.

Please refer to the above permit number with any questions or concerns.



# MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY WATER RESOURCES DIVISION PERMIT

Issued To:	
Peter Oleszczuk	
1435 Fulton Ave	FL 2
Grand Haven, MI	49417
Permit No:	
Submission No.:	HPS-SXDC-G9JHP
Site Name:	70-10955 48th Ave-Allendale
lssued: Revised:	October 26, 2023
Expires:	October 26, 2028
☐ Part 301, Inlar ☑ Part 303, Wetl ☐ Part 315, Dam	_ ,
Coastal Zone Ma Water Act, Sectic comply with Mich	nat the activities authorized under this permit are in compliance with the State magement Program and certifies without conditions under the Federal Clean on 401 that the discharge from the activities authorized under this permit will higan's water quality requirements in Part 31, Water Resources Protection, of associated administrative rules, where applicable.
	reby granted, based on permittee assurance of adherence to State of ments and permit conditions, to:
	L.

Authorized Activity:

Permanently impact 0.11 acres of emergent wetland to construct building and parking area and temporarily impact 0.02 acres of emergent wetland to install storm sewer. All work shall be completed in accordance with the attached plans and the terms and conditions of this permit.

Waterbody Affected: Unnamed Wetland

Property Location: Ottawa County, Allendale Township,

Town/Range/Section 07N/14W/25, Property Tax No. 70 09 25 200 013

### Authority granted by this permit is subject to the following limitations:

- A. Initiation of any work on the permitted project confirms the permittee's acceptance and agreement to comply with all terms and conditions of this permit.
- B. The permittee, in exercising the authority granted by this permit, shall not cause unlawful pollution as defined by Part 31 of the NREPA.
- C. This permit shall be kept at the site of the work and available for inspection at all times during the duration of the project or until its date of expiration.
- D. All work shall be completed in accordance with the approved plans and specifications submitted with the application and/or plans and specifications attached to this permit.
- E. No attempt shall be made by the permittee to forbid the full and free use by the public of public waters at or adjacent to the structure or work approved.
- F. It is made a requirement of this permit that the permittee give notice to public utilities in accordance with 2013 PA 174 (Act 174) and comply with each of the requirements of Act 174.
- G. This permit does not convey property rights in either real estate or material, nor does it authorize any injury to private property or invasion of public or private rights, nor does it waive the necessity of seeking federal assent, all local permits, or complying with other state statutes.
- H. This permit does not prejudice or limit the right of a riparian owner or other person to institute proceedings in any circuit court of this state when necessary to protect his rights.
- I. Permittee shall notify EGLE within one week after the completion of the activity authorized by this permit.
- J. This permit shall not be assigned or transferred without the written approval of EGLE.
- K. Failure to comply with conditions of this permit may subject the permittee to revocation of permit and criminal and/or civil action as cited by the specific state act, federal act, and/or rule under which this permit is granted.
- L. All dredged or excavated materials shall be disposed of in an upland site (outside of floodplains, unless exempt under Part 31 of the NREPA, and wetlands).
- M. In issuing this permit, EGLE has relied on the information and data that the permittee has provided in connection with the submitted application for permit. If, subsequent to the issuance of a permit, such information and data prove to be false, incomplete, or inaccurate, EGLE may modify, revoke, or suspend the permit, in whole or in part, in accordance with the new information.
- N. The permittee shall indemnify and hold harmless the State of Michigan and its departments, agencies, officials, employees, agents, and representatives for any and all claims or causes of action arising from acts or omissions of the permittee, or employees, agents, or representative of the permittee, undertaken in connection with this permit. The permittee's obligation to indemnify the State of Michigan applies only if the state: (1) provides the permittee or its designated representative written notice of the claim or cause of action within 30 days after it is received by the state, and (2) consents to the permittee's participation in the proceeding on the claim or cause of action. It does not apply to contested case proceedings under the Administrative Procedures Act, 1969 PA 306, as amended, challenging the permit. This permit shall not be construed as an indemnity by the State of Michigan for the benefit of the permittee or any other person.
- O. Noncompliance with these terms and conditions and/or the initiation of other regulated activities not specifically authorized shall be cause for the modification, suspension, or revocation of this permit, in whole or in part. Further, EGLE may initiate criminal and/or civil proceedings as may be deemed necessary to correct project deficiencies, protect natural resource values, and secure compliance with statutes.

- P. If any change or deviation from the permitted activity becomes necessary, the permittee shall request, in writing, a revision of the permitted activity from EGLE. Such revision request shall include complete documentation supporting the modification and revised plans detailing the proposed modification. Proposed modifications must be approved, in writing, by EGLE prior to being implemented.
- Q. This permit may be transferred to another person upon written approval of EGLE. The permittee must submit a written request to EGLE to transfer the permit to the new owner. The new owner must also submit a written request to EGLE to accept transfer. The new owner must agree, in writing, to accept all conditions of the permit. A single letter signed by both parties that includes all the above information may be provided to EGLE. EGLE will review the request and, if approved, will provide written notification to the new owner.
- R. Prior to initiating permitted construction, the permittee is required to provide a copy of the permit to the contractor(s) for review. The property owner, contractor(s), and any agent involved in exercising the permit are held responsible to ensure that the project is constructed in accordance with all drawings and specifications. The contractor is required to provide a copy of the permit to all subcontractors doing work authorized by the permit.
- S. Construction must be undertaken and completed during the dry period of the wetland. If the area does not dry out, construction shall be done on equipment mats to prevent compaction of the soil.
- T. Authority granted by this permit does not waive permit requirements under Part 91, Soil Erosion and Sedimentation Control, of the NREPA, or the need to acquire applicable permits from the County Enforcing Agent (CEA).
- U. Authority granted by this permit does not waive permit requirements under the authority of Part 305, Natural Rivers, of the NREPA. A Natural Rivers Zoning Permit may be required for construction, land alteration, streambank stabilization, or vegetation removal along or near a natural river.
- V. The permittee is cautioned that grade changes resulting in increased runoff onto adjacent property is subject to civil damage litigation.
- W. Unless specifically stated in this permit, construction pads, haul roads, temporary structures, or other structural appurtenances to be placed in a wetland or on bottomland of the water body are not authorized and shall not be constructed unless authorized by a separate permit or permit revision granted in accordance with the applicable law.
- X. For projects with potential impacts to fish spawning or migration, no work shall occur within fish spawning or migration timelines (i.e., windows) unless otherwise approved in writing by the Michigan Department of Natural Resources, Fisheries Division.
- Y. Work to be done under authority of this permit is further subject to the following special instructions and specifications:
  - 1. Authority granted by this permit does not waive permit or program requirements under Part 91 of the NREPA or the need to acquire applicable permits from the CEA. To locate the Soil Erosion Program Administrator for your county, visit <a href="https://www.michigan.gov/egle/about/organization/water-resources/soil-erosion/sesc-overview">https://www.michigan.gov/egle/about/organization/water-resources/soil-erosion/sesc-overview</a> and select "Soil Erosion and Sedimentation Control Agencies".
  - 2. The authority to conduct the activity as authorized by this permit is granted solely under the provisions of the governing act as identified above. This permit does not convey, provide, or otherwise imply approval of any other governing act, ordinance, or regulation, nor does it waive the permittee's obligation to acquire any local, county, state, or federal approval or authorization necessary to conduct the activity.
  - 3. No fill, excess soil, or other material shall be placed in any wetland, floodplain, or surface water area not specifically authorized by this permit, its plans, and specifications.

- 4. This permit does not authorize or sanction work that has been completed in violation of applicable federal, state, or local statutes.
- 5. The permit placard shall be kept posted at the work site in a prominent location at all times for the duration of the project or until permit expiration.
- 6. This permit is being issued for the maximum time allowed and no extensions of this permit will be granted. Initiation of the construction work authorized by this permit indicates the permittee's acceptance of this condition. The permit, when signed by EGLE, will be for a five-year period beginning on the date of issuance. If the project is not completed by the expiration date, a new permit must be sought.
- 7. Trench excavation shall be restored to pre-existing grade by backfilling the trench so native soils are replaced in reverse order of excavation, replacing the topsoil at the surface.
- 8. Prior to the initiation of any permitted construction activity, a sedimentation barrier shall be installed along the entire route of the disturbed wetland area and maintained in good working order until permanent stabilization and re-vegetation of all disturbed areas has occurred. The sedimentation barrier shall be removed after re-vegetation.
- 9. Construction must be undertaken and completed during the dry period of the wetland, or when frozen.
- 10. If the area does not dry out or freeze, construction shall be done on equipment mats to prevent compaction of the soil.
- 11. Upon completion of the project, the disturbed wetland areas shall be restored to the original contour elevation, revegetated and reseeded with species native to Michigan appropriate to the site, and mulched to prevent erosion.
- 12. This permit is limited to authorizing the construction as specified above and carries with it no assurances or implications that associated wetland or floodplain areas can be developed and serviced by the structures authorized by this permit.
- 13. No fill, excess soil, or other material shall be placed in any wetland or surface water area not specifically authorized by this permit, its plans, and specifications.

Issued By:

Abigail Richmond
Grand Rapids District

Grand Rapids District Office Water Resources Division

616-260-7328

### THIS PERMIT MUST BE SIGNED BY THE PERMITTEE TO BE VALID.

I hereby assure that I have read, am familiar with, and agree to adhere to the terms and conditions of this permit.

Permittee Signature

Date

cc: Allendale Township Clerk Ottawa County Drain Commissioner Ottawa County Clerk



December 22, 2023

Allendale Charter Township Planning Commission 6676 Lake Michigan Dr Allendale, MI 49401

Re:

10955 48<sup>th</sup> Street- Dollar General: Site plan review Ordinance Section 24.06- Standards for Approval

Section A. General Access Requirements

To Whom It May Concern,

Midwest V, LLC is writing to the Planning Commission to ask for your consideration when reviewing the site plan for the proposed development at 10955 48<sup>th</sup> Street. Section 24.06, section A of the zoning ordinance states, in part, "The Planning Commission shall have the authority to require a frontage road or rear service drive for contiguous parcels along Lake Michigan Drive (M-45) or streets deemed necessary." The section of 48th street under the township jurisdiction begins at Warner Street and extends South to Fillmore Street, throughout that corridor there seems to be only one instance where a situation of shared access occurs at 4755 Lake Michigan Dr.

The development as submitted has a proposed shared access easement on the South property line for connectivity with any future development. The building is placed as far East on the property as allowed to mitigate as much wetland disturbance as possible, shifting the building further West to allow room for a frontage road would result in further impacts to the wetland area. Additionally, the North side of the property is encumbered with additional wetlands and multiple utility easements.

Based on the language in the ordinance, the existing conditions along the 48<sup>th</sup> Street corridor and limitations of the proposed site we ask the Planning Commission to consider a single shared access easement on the South side of the site.

Sincerely,

Jared DeVoursney

# Prepared by and when recorded return to:

Midwest V, LLC Attn: Scott M. Knowlton 1435 Fulton St., 2<sup>nd</sup> Floor Grand Haven, MI 49417

### **DECLARATION OF EASEMENT**

This Declaration of Easement (this "<u>Declaration</u>") is made this \_\_\_\_\_ day of December, 2023 by MIDWEST V, LLC, a Michigan limited liability company (hereinafter "<u>Grantor</u>"), in favor of the Adjacent Tract (as defined below).

WHEREAS, Grantor is the owner of that certain tract or parcel of land lying and being in Ottawa County, Michigan, being more particularly described on <u>Exhibit "A"</u> attached hereto and made a part hereof by this reference (hereinafter referred to as the "<u>DG Tract</u>");

WHEREAS, the DG Tract is adjacent to a parcel of land lying and being in Ottawa County, Michigan, and being more particularly described on <a href="Exhibit" B" attached hereto and made a part hereof by this reference (hereinafter referred to as the "Adjacent Tract"; the DG Tract and the Adjacent Tract each being herein sometimes referred to individually as a "Tract" and collectively as the "Tracts");

WHEREAS, to facilitate Grantor's development of the DG Tract, the **Michigan Department of Transportation (the "DOT")** has required that Grantor provide the Adjacent Tract with access rights over the DG Tract in the event that the owner of the Adjacent Tract seeks to develop the Adjacent Tract with a driveway connection to **48**<sup>th</sup> **Avenue**;

WHEREAS, Grantor is willing to convey an easement for the benefit of the Adjacent Tract upon the terms and conditions hereinafter set forth.

NOW THEREFORE, for valuable consideration the receipt and sufficiency of which are hereby acknowledged, Grantor hereby declares that the easement area identified and depicted on Exhibit "C" (the "Easement Area") shall be granted to the Adjacent Tract subject to the following easements and restrictions for the purpose of, among other things, assuring access to and from the Tracts for pedestrian and vehicular traffic to the adjacent public highway.

- 1. <u>Benefited Parties/Binding Effect.</u> The rights, easements and obligations established in this Declaration shall run with the land and be for the benefit of the Tracts and shall run with the land and be binding upon any use of the DG Tract or Adjacent Tract in the event that the Easement Area is utilized for the benefit of a Tract. The owners of the Tracts may delegate the right to use and maintain the easements granted herein to its respective tenants, customers, invitees, employees, agents, contractors and licensees and successors.
- 2. <u>Easements</u>. The Easement Area is hereby perpetually reserved for the nonexclusive right to ingress and egress for access from the DG Tract and the Adjacent Tract to and from the adjacent public right-of-way by vehicular and pedestrian access, ingress and egress; provided however, that in no event shall the Easement Area be used by construction vehicles accessing a construction project located on the Adjacent Tract. In no event shall the Easement Area be altered or changed in any manner without the written consent of the owner and lessee of the DG Tract.

Each party shall maintain in good order, condition and state of repair, at its sole expense, the portion of the Easement Area, including any driveways, curbing, paving and lighting located therein, that runs over its respective Tract. In the event that the either owner defaults in its obligation to so maintain the Easement Area, then the owner of the other Tract shall have the right to perform such maintenance upon ten (10) days advance written notice on behalf of the owner of the other Tract, and the owner of said tract shall reimburse the owner of the Tract that

performs the repairs within thirty (30) days of receipt of invoice for same. All rights granted in this Section 2 shall also be deemed granted to each Tract owners' successors and tenants/lessees.

Grantor hereby further declares that no party hereto shall at any time erect, construct, or cause to be erected or constructed, any fence, wall, curb or other barrier that would in any manner interfere with or restrict the full and complete use and enjoyment by the owner of the other Tract and its tenants/lessees of the easements granted herein. This Declaration does not dedicate the easements created herein to the general public, nor does this Declaration restrict the use and development of the Tracts except as stated herein. It is the intent of this Declaration to grant a non-exclusive, perpetual easement over the Easement Area without limiting the right of the owners of the Tracts to alter, demolish, redevelop or, subject to the provisions of this Paragraph 2, improve the remainder of each Tract unless expressly stated herein to the contrary.

- Restrictions on the Use of the Easement Area. The Easement Area shall not be used to access any property that is leased, rented or otherwise used or occupied for conducting business as a Family Dollar Store, Bill's Dollar Store, Dollar Tree, Dollar Zone, Variety Wholesale, Ninety-Nine Cents Only, Deals, Bonus Dollar, Maxway, Super Ten, Planet Dollar, Big Lots, Walgreens, CVS, Rite Aid, or any Wal-Mart concept including but not limited to Super Wal-Mart, Wal-Mart Neighborhood Market, or Walmart Express. Easement Area shall not be used to access any property that is leased, rented or otherwise used or occupied for any of the following: (a) for any unlawful purpose or in any way which would constitute a legal nuisance to an adjoining owner or occupant; (b) as a discotheque, dance hall or night club; (c) as a massage parlor; (d) funeral parlor; (e) bingo parlor; (f) car wash; (g) any use which emits a strong, unusual, offensive of obnoxious odor, fumes, dust or vapors, or any sound which can be heard outside of any buildings on the DG Tract or Adjacent Tract, except that any usual paging system be allowed; (h) any assembling, manufacturing, distilling, refining, smelting, agricultural, or mining operation; (i) any "second hand" store or liquidation outlet; (j) any mobile home park, trailer court, labor camp, junk yard, recycling facility or stock yard; (k) any dumping, disposing, incineration or reduction of garbage (exclusive of garbage compactors located near the rear of any building); (l) any dry cleaners performing on-site cleaning services; (m) any automobile, truck, trailer or recreational vehicles sales, leasing, storage, display or body shop repair operation; (n) any living quarters, sleeping apartments or lodging rooms; (o) any veterinary hospital or animal raising facilities (except this provision shall not prohibit pet shops and shall not prohibit the provision of veterinary services in connection with pet shops or pet supplies business); (p) any establishment selling or exhibiting paraphernalia for use with illicit drugs, and establishment selling or exhibiting materials or devices which are adjudicated to be pornographic by a court of competent jurisdiction, and any adult bookstore, adult video store or adult movie theater; (q) any bar or tavern; provided, however, a bar within a restaurant shall be permitted; (r) any pool or billiard hall, gun range or shooting gallery, or amusement or video arcade; (s) any use which creates fire, explosives or other hazards; and (t) facilities for the use of treating addiction including but not limited to inpatient or outpatient substance abuse treatment facilities, pharmacological treatment facilities, safe injection sites and methadone maintenance therapy or clinics.
- 4. <u>Manner of Performing Work.</u> Whenever a party shall perform any construction, maintenance, repairs or replacements in the Easement Area or as otherwise permitted herein, such work shall be done expeditiously and in a good and workmanlike manner and in accordance with all applicable laws, codes, rules, statutes and regulations of governmental authorities having jurisdiction thereof. Such work shall be carried out in such manner so as to cause the least amount of disruption to any business operations being conducted on the surrounding land as is reasonably practicable.
- 5. <u>Insurance and Indemnification</u>. Any party using the Easement Area shall maintain or cause to be maintained in full force and effect commercial general liability insurance with respect to such activities with a combined single limit of liability of not less than One Million Dollars (\$1,000,000.00) for bodily injury to or personal injury or death of any person and consequential damages arising therefrom, and for property damage arising out of any one occurrence, and with minimum excess or umbrella policy limits in commercially reasonable amounts per occurrence insuring against personal injury, bodily injury and property damage, and the other party shall be an additional insured under such policy. Such insurance shall be procured from a company licensed in the State of Michigan. Such insurance shall provide that it

shall not be cancelable without thirty (30) days prior, written notice to additional insureds. Upon request, each party shall provide a certificate of such insurance coverage to the other. The owner of the DG Tract shall indemnify and hold the owner of the Adjacent Tract harmless from and against any and all loss, cost, damage, liability or expense (including reasonable attorneys' fees actually incurred and court costs) incurred by the owner of the Adjacent Tract in connection with the exercise by the owner of the DG Tract of the easements and rights created herein, except to the extent caused by the negligence or willful act of the owner of the Adjacent Tract, its employees, tenants, contractors, agents or licensees. The owner of the Adjacent Tract shall indemnify and hold the owner of the DG Tract harmless from and against any and all loss, cost, damage, liability or expense (including reasonable attorneys' fees actually incurred and court costs) ever incurred by the owner of the DG Tract in connection with the exercise by the owner of the Adjacent Tract of its easements and rights created herein, except to the extent caused by the negligence or willful act of the owner of the DG Tract, its employees, tenants, contractors, agents or licensees.

- 6. <u>Duration</u>. The provisions of this Agreement shall run with and bind the land described herein and shall be and remain in effect perpetually to the extent permitted by law.
- 7. <u>Miscellaneous</u>. This Declaration shall be governed in accordance with the laws of the State of Michigan. The paragraph headings in this Declaration are for convenience only, shall in no way define or limit the scope or content of this Declaration, and shall not be considered in any construction or interpretation of this Declaration or any part hereof. Nothing in this Declaration shall be construed to make the parties hereto partners or joint venturers. No party hereto shall be obligated to take any action to enforce the terms of this Declaration or to exercise any easement, right, power, privilege or remedy granted hereunder. This Declaration may be amended, modified or terminated only in writing, executed and acknowledged by all parties owning an interest in the DG Tract and the Easement Area, and only with evidence of consent of Dollar General Corporation, so long as it, its affiliates, successors, assigns or assignees is leasing or otherwise occupying all or any portion of the dg Tract. Time is of the essence of this Declaration.

SIGNATURES APPEAR ON FOLLOWING PAGES

IN WITNESS WHEREOF, Grantor has set its hand and seal as of the day, month and year first above written

	MIDWEST V, LLC, a Michigan limited liability company
	By: Name: Scott M. Knowlton Its: Manager
STATE OF MICHIGAN ) ) ss. COUNTY OF)	
	this day of, 2023, build distributed liability company, o
	[signature] Name:
	Notary Public,County, M
	Acting in County, M
	My Commission expires:

### EXHIBIT "A"

### Legal Description of DG Tract

THAT PART OF THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER OF SECTION 25, TOWN 7 NORTH, RANGE 14 WEST, ALLENDALE TOWNSHIP, OTTAWA COUNTY, MICHIGAN, DESCRIBED AS: COMMENCING AT THE NORTHEAST CORNER OF SAID SECTION; THENCE SOUTH  $00^{\circ}$  21 21 EAST ON THE EAST LINE OF SAID SECTION 1370.00 FEET; THENCE SOUTH  $00^{\circ}$  39 WEST PERPENDICULAR TO SAID EAST SECTION LINE 50.00 FEET TO THE POINT OF BEGINNING OF THE LAND HEREIN DESCRIBED; THENCE SOUTH  $00^{\circ}$  21 21 EAST PARALLEL WITH SAID EAST SECTION LINE 284.09 FEET; THENCE SOUTH  $00^{\circ}$  38 39 WEST PERPENDICULAR TO SAID EAST SECTION LINE 410.00 FEET; THENCE NORTH  $00^{\circ}$  21 21 WEST PARALLEL WITH SAID EAST SECTION LINE 284.09 FEET; THENCE NORTH  $00^{\circ}$  38 39 EAST PERPENDICULAR TO SAID EAST SECTION LINE 410.00 FEET TO THE POINT OF BEGINNING. CONTAINING 2.67 ACRES, MORE OR LESS.

### EXHIBIT "B"

### Legal Description of Adjacent Tract

THAT PART OF THE NORTHEAST 1/4 OF SECTION 25, TOWNSHIP 7 NORTH, RANGE 14 WEST, ALLENDALE TOWNSHIP, OTTAWA COUNTY, MICHIGAN, DESCRIBED AS FOLLOWS: COMMENCING AT A POINT NORTH 88 DEGREES 30 MINUTES 24 SECONDS WEST 350.02 FEET, NORTH 0 DEGREES 05 MINUTES 20 SECONDS WEST 33 FEET, SOUTH 88 DEGREES 30 MINUTES 24 SECONDS EAST 300.05 FEET, AND NORTH 0 DEGREES 0 MINUTES 22 SECONDS WEST 677.48 FEET FROM THE EAST 1/4 CORNER; THENCE NORTH 89 DEGREES 15 MINUTES 22 SECONDS WEST 410.05 FEET, NORTH 0 DEGREES 0 MINUTES 22 SECONDS WEST 275 FEET, NORTH 89 DEGREES 59 MINUTES 38 SECONDS EAST 410.01 FEET, AND SOUTH 0 DEGREES 0 MINUTES 22 SECONDS EAST 280.36 FEET TO THE POINT OF BEGINNING. CONTAINING 2.61 ACRES.

### For Reference Purposes:

BEG. SEC 25 T7N R14W 2.61 AC.

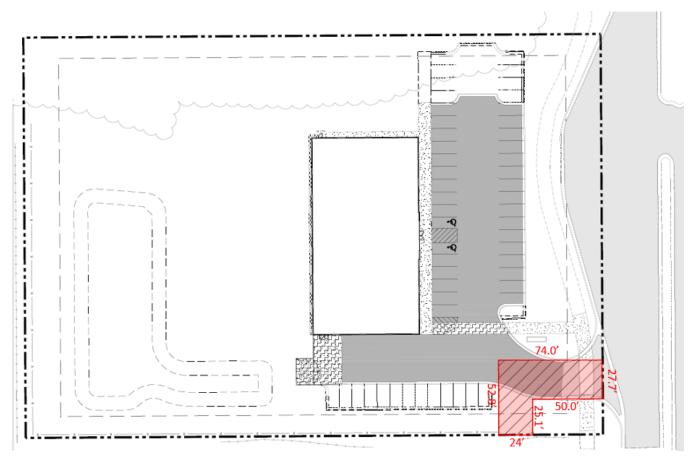
Commonly Known As - 10929 48TH Avenue, Allendale, MI 49401

Tax Parcel Number - 70-09-25-200-067

Tax Description - PART OF NE 1/4 COM N 88D 30M 24S W 350.02 FT, N 0D 05M 20S W 33 FT, S 88D 30M 24S E 300.05 FT & N 0D 0M 22S W 677.48 FT FROM E 1/4 COR, N 89D 15M 22S W 410.05 FT, N 0D 0M 22S W 275 FT, N 89D 59M 38S E 410.01 FT, TH S 0D 0M 22S E 280.36 FT TO

# EXHIBIT "C"

# Depiction of Easement Area



# Closing on or before 5/1/2023

### **REAL ESTATE PURCHASE AGREEMENT**

This Real Estate Purchase Agreement ("Agreement") is made as of the Acceptance Date (defined below) by and between 48th Student Housing LLC ("Seller"), and MIDWEST V, LLC, a Michigan limited liability company, or its nominee or assignee ("Buyer"). Each of the Seller and Buyer are sometimes referred to in this Agreement as a "Party," and collectively as the "Parties." For purposes of this Agreement, the "Acceptance Date" shall be that day upon which this Agreement has been both (a) fully executed by Buyer and Seller, and (b) delivered to Buyer. In the event Buyer is purchasing a portion of a larger parcel, Buyer and Seller acknowledge and agree that the exact dimensions and acreage of the Property will be defined by a Buyer-commissioned survey to be completed after the Acceptance Date.

- 1. Property. Seller owns and desires to sell to Buyer, and Buyer desires to purchase from Seller, approximately 2.68 acres +/- of real property located at 10955 48th Ave Allendale MI, 49401, identified as Tax Parcel Number 70-09-25-200-013, as generally depicted on Exhibit A attached to and made a part of this Agreement, together with all improvements now located on or in such real property and all rights (including division rights and development rights), privileges, licenses, and easements appurtenant or belonging to such real property (collectively, "Property"), on the terms and subject to the conditions contained in this Agreement.
- 2. Purchase Price; Deposit. The purchase price for the Property shall be Two Hundred Eighty Thousand Dollars and 00/100 (\$280,000.00) ("Purchase Price"). Earnest money of \$10,000.00 ("Deposit") will be deposited with Transnation Title Agency of Michigan Lakeshore Division, 570 Seminole, Ste. 102, Muskegon, MI 49444, Phone (231) 737-9111 / Fax (231) 737-7304 ("Escrow Agent") within fourteen (14) business days after the Acceptance Date, and will be applied toward the Purchase Price at the Closing (defined below).

### 3. Title Defects.

- (a) Within thirty (30) days after the Acceptance Date, Buyer will order from Escrow Agent a commitment for an owner's policy of title insurance (without standard exceptions and with such endorsements as Buyer shall reasonably require) with respect to the Property ("Commitment"). The Commitment shall be in a form satisfactory to Buyer and shall commit to insure good and marketable title in fee simple, free and clear of all liens, encumbrances, easements, conditions, restrictions, or other matters except those that are acceptable to Buyer ("Permitted Exception(s)").
- (b) If an exception to title or other matter that is not acceptable to Buyer appears on the Commitment or any survey of the Property that Buyer obtains (each, a "Defect"), Buyer shall give Seller notice of the Defect(s) within thirty (30) days after receipt of the last of both the Commitment and a current survey of the Property. Seller shall have a reasonable period, not to exceed thirty (30) days after notice

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from Buyer ("Cure Period"), to (i) remove or cure the Defect(s), (ii) advise Buyer that it will fully cure the Defect(s) prior to Closing to Buyer's satisfaction (in which case Seller shall be obligated to fully cure such Defect(s) prior to Closing to Buyer's satisfaction), or (iii) notify Buyer that it is unable or unwilling to fully cure the Defect(s) at or prior to Closing. In the event Seller provides the notice described in Subparagraph 3(b)(iii) above, Buyer shall have the right (but not the obligation) to either (A) accept title to the Property subject to the Defect(s) that Seller was unable or unwilling to fully cure, which shall then become a Permitted Exception, without reduction in the Purchase Price, or (B) cancel and terminate this Agreement and receive a refund of the Deposit. For purposes of clarification, in no event shall an exception that has been removed from the Commitment thereafter be deemed a Permitted Exception. Notwithstanding the forgoing, Seller shall in all circumstances be required to remove (or cause the Escrow Agent to remove) at Closing those exceptions or encumbrances that can be removed by paying an ascertainable sum of money such as mortgages, land contracts, liens, unpaid taxes, and special assessments.

- 4. **Conveyance**. Seller shall convey the Property to Buyer or its nominee by Warranty Deed ("**Deed**"), in recordable form, subject only to the Permitted Exceptions.
- 5. Closing. The closing of the purchase of the Property (the "Closing") shall be through escrow with Escrow Agent and shall occur on or before May 1, 2023 ("Closing Deadline"). The Deposit shall be applied to the purchase price at Closing. If Buyer elects, prior to the Closing Deadline, not to proceed with the purchase of the property under this Agreement, Buyer shall be entitled to terminate the Agreement, for any reason or for no reason, by giving notice thereof to Seller, in which event the Deposit shall be returned to Buyer, except as follows:

Days after Acceptance Date

Amount of Deposit Nonrefundable to Buyer

February 1, 2023 \$10,000.00

Inspections, Investigations and Survey. After the Acceptance Date, Buyer and its designated agents, consultants and other representatives may enter the Property, at reasonable times, for the purpose of inspecting and investigating all aspects and conditions of the Property, including, without limitation, making surveys, inspecting the physical condition of the Property, making soil and environmental tests or borings, and conducting such other due diligence of the Property as Buyer may deem necessary or desirable, provided that such inspections and investigations are conducted solely at Buyer's expense and do not materially damage the Property. Seller agrees to cooperate with Buyer in its inspections and investigations and in its efforts to satisfy any contingencies with respect to its development of the Property or any of the Closing Conditions (defined below), including the execution of related documentation. Within ten (10) days after the



Acceptance Date, Seller shall deliver to Buyer, without charge, copies of all information and documentation in its possession (or which is reasonably accessible to Seller) relating to the Property, including, without limitation, any leases encumbering the Property; surveys; utility location information; soil and engineering studies or reports; environmental, hazardous waste, and wetlands audits/reports/data or other information; notices of violation or noncompliance with any environmental or hazardous substance requirements or any other requirements or laws; and any other reports, studies, site plans and development information pertaining to the Property.

Conditions. Notwithstanding anything to the contrary contained in this Agreement, if any Closing Conditions have not been satisfied in favor of and to Buyer's complete satisfaction, as determined by Buyer at any time prior to the Closing, Buyer shall be entitled to terminate this Agreement, in which event the Deposit shall be returned to Buyer subject to the limitations in paragraph #5 of this agreement. Said return and/or release shall be initiated by Buyer's written notice to Seller and Escrow Agent in accordance with Paragraph 5 and, within seven (7) days thereafter, Escrow Agent shall disburse the Deposit pursuant to the previous sentence and the Parties shall thereafter be released from any and all obligations under this Agreement. The "Closing Conditions" are: (a) approval of the Property by any prospective tenant and/or assignee of Buyer; (b) zoning and site plan approval, permitting and all other approvals required for Buyer's desired development of the Property (the "Project"); (c) the availability and adequacy of utilities to the Project, either public or private; (d) the absence of wetlands, hazardous wastes, or other adverse environmental or physical conditions of the Property; (e) the annexation of the Property by another unit of government, if required as part of the Project; (f) the approval from applicable governmental authorities of full access to and from the adjacent road(s), as reasonably required by Buyer for the Project; (g) acquiring any necessary easements for the Project; and (h) the availability and adequacy of financing with respect to the Project. The above subjections "a through h" shall be at the expense of the Buyer, unless otherwise agreed.

#### 7. Covenants of Seller.

- (a) Seller, at its sole expense, shall deliver possession of the Property to Buyer at Closing, free from any rights of possession of anyone else whomsoever.
- (b) From and after the Acceptance Date, Seller shall not: (i) suffer or permit any third party to adversely affect Seller's title to or interest in the Property, and will not suffer or permit to be created any exceptions to the title of the Property other than the Permitted Exceptions; or (ii) enter into any contracts or agreements pertaining to the Property with anyone other than, or as directed by, Seller.
- 8. Representations\_and Warranties of Seller. In order to induce Buyer to enter into this Agreement, Seller represents and warrants to Buyer that: (a) fee simple ownership of the Property is vested solely in Seller and no other person or entity has any right, title, or interest in or to the Property; (b) no lawsuits or proceedings of any type (including condemnation or similar proceedings) are pending or, to Seller's knowledge, are



being contemplated against the Property or any part thereof; (c) the Property is not subject to any leases (written or oral), unrecorded easements, options to purchase, rights of first purchase or refusal, or any other agreement or contract to use, lease, or purchase the Property; (d) to the best of Seller's knowledge, (i) no hazardous substances have been stored or used on the Property, and (ii) there are presently no hazardous substances in, on, or under the Property; (e) if Seller is an entity, Seller has all necessary power and authority to execute this Agreement and to consummate the transactions contemplated by this Agreement without the joinder or consent of any other person or entity, and this Agreement constitutes the valid and binding obligation of Seller; (f) there are no uncured violations of any law, ordinance, order, regulation, rule or requirement affecting the Property or any part thereof; and (g) all statements, documents and information relating to the Property provided by Seller to Buyer are true and accurate, and Seller has no knowledge of any material adverse condition relating to the Property that Seller has not disclosed to Buyer. All representations and warranties of Seller contained in this *Paragraph 9* or elsewhere in this Agreement shall be deemed remade as of Closing and shall survive Closing.

- 9. Provisions with Respect to Closing. On or before the date of Closing: (a) Seller shall deliver to Escrow Agent (i) the executed Deed, (ii) all necessary executed state, county and municipal real estate transfer declarations, if any, (iii) a "Seller's Affidavit," as required by the Escrow Agent for the removal of its standard exceptions to title, (iv) a "Non-Foreign Seller Affidavit," in compliance with Section 1445 of the Internal Revenue Code, and (v) in the event Seller is a business entity, Seller's formation documents, incumbency certificate, and evidence of authority to consummate the sale of the Property; and (b) Buyer shall deliver to Escrow Agent the Purchase Price, less the Deposit and any other deductions permitted by this Agreement. Provided that both Parties have timely delivered to Escrow Agent the foregoing items, the time provided for Closing in Paragraph 5 shall automatically extend for such time as the Escrow Agent reasonably needs to complete the Closing process (e.g., filing of deeds or other documents, obtaining governmental approval of legal descriptions, etc.).
- Adjustments at Closing. Adjustments to the Purchase Price between Seller 10. and Buyer shall be made by Escrow Agent for the following items, prorated on a per diem basis as of 11:59 p.m. of the day of Closing: (a) real estate taxes and other state or city taxes, charges and assessments, not yet due and payable, on the basis of the calendar year for which the same are levied or assessed (if the rate of any such taxes, charges or assessments shall not be fixed before the date of the Closing, the adjustment thereof at the Closing shall be calculated in accordance with local custom) and there shall be no later reproration's; and (b) water and sewer rents, fees, and charges with respect to the Property. Seller shall pay in full, by deduction from the Purchase Price, any assessments, either general or special, whether material or immaterial, whether due in installments or not, for improvements completed prior to Closing, the amount of any stamp tax, state, county, or local transfer tax, and similar fees imposed upon the conveyance of real property by applicable law, any rollback tax or other assessment due pursuant to any agricultural property tax recoupment program, one-half (1/2) of the escrow fee charged by the Escrow Agent, and the full cost of the owner's policy of title insurance in the amount of the Purchase Price with respect to the Property (such owner's policy to be without standard



exceptions, and to include such endorsements as Buyer shall reasonably require in connection with the Property). All other fees, recording costs, charges or expenses incidental to the sale and transfer of the Property to Buyer, except as otherwise expressly provided in this Agreement, shall be paid according to the custom of real estate transactions consummated in the county in which the Property is located, as determined by the Escrow Agent. All bills for utility services to the Property shall also be paid in full by Seller as of the Closing, and all such utility services shall be transferred by Seller into Buyer's name immediately following Closing.

11. Waiver. The exercise (or failure to exercise) of any one of Buyer's rights or remedies under this Agreement shall not be deemed to be in lieu of, or a waiver of, any other right or remedy contained in this Agreement or provided by law, except to the extent inconsistent with this Agreement.

#### 12. Remedies.

- (a) If Seller defaults in any of its obligations under this Agreement, then provided Buyer is not in default under this Agreement (and provided Buyer has notified Seller of the specific nature of the default and allowed Seller a ten (10) day period to cure such default ("Remedy Period"), Buyer may either: (i) declare this Agreement terminated, in which event the entire Deposit shall be returned to Buyer and the Parties shall have no further obligation to one another under this Agreement; or (ii) enforce specific performance of Seller's obligations under this Agreement.
- (b) If Buyer defaults in any of its obligations under this Agreement and is not otherwise excused form performance under the terms of this Agreement, then provided Seller is not in default under this Agreement (and provided Seller has notified Buyer of the specific nature of the default and allowed Buyer the Remedy Period), Seller may declare this Agreement terminated, in which event the Deposit shall be forfeited to Seller as liquidated damages and as Seller's sole and exclusive remedy, and the Parties shall have no further obligation to one another under this Agreement.
- (c) The prevailing Party in a suit to enforce the terms and conditions of this Agreement shall be entitled to recover its reasonable attorney fees.
- 13. **Disclosure.** Be advised that an affiliated entity of Buyer is a licensed real estate broker in the State of Michigan.
- 14. Calendar Days. If any of the deadlines contained in this Agreement fall on a Saturday, Sunday or legal holiday recognized by the Federal Government, such deadline shall be extended to the next business day. A "day" under this Agreement shall be deemed to expire at 11:59 p.m. on that particular day.
- 15. Binding Effect. This Agreement shall be binding upon and shall inure to the benefit of the Parties and their respective heirs, successors and assigns.

OR PTO

- 16. Assignment. Seller agrees that Buyer may, at any time after the Acceptance Date, assign or otherwise transfer all of Buyer's right, title and interest in and to this Agreement.
- Escrow Agreement. Escrow Agent joins in this Agreement for the purpose 17. of agreeing to serve as Escrow Agent, subject to the provisions of this Agreement. By signing this Agreement, Seller and Buyer agree that:
  - performing any of its duties under this Agreement, Escrow Agent (a) shall not be liable for any loss, costs or damage which may be incurred as a result of serving as Escrow Agent, except to the extent arising out of its willful default or gross negligence;
  - (b) Seller and Buyer shall each indemnify and hold harmless Escrow Agent against any and all losses, claims, damages, liabilities and expenses, including, without limitation, reasonable attorneys' fees and disbursements, which may be incurred by Escrow Agent in connection with its serving as Escrow Agent under this Agreement, except to the extent resulting from Escrow Agent's willful default or gross negligence in performing its obligations under this Agreement; and
  - in the event of a dispute between any of the Parties, sufficient in the discretion of Escrow Agent to justify its doing so, Escrow Agent shall be entitled to tender into the registry or custody of any court of competent jurisdiction all money or property held by it under the terms of this Agreement and to file such legal pleadings as it deems appropriate and upon receipt of said money or property by such court, Escrow Agent shall be discharged from any and all further responsibility with respect to this Agreement.
- 18. Notices. All notices, requests, waivers, and other communications under this Agreement shall be in writing and shall be deemed properly served upon delivery (a) by hand; (b) by sender to the applicable carrier if sent postage prepaid by United States Registered or Certified Mail, Return Receipt Requested; (c) by sender to a nationally recognized overnight express mail courier; or (d) by electronic transmission (facsimile with notification of receipt or email) to the following street or email addresses or facsimile numbers:
  - (i) If intended for Buyer:

Midwest V, LLC c/o Chad Lahey 1435 Fulton St., 2<sup>nd</sup> Floor Grand Haven, MI 49417 616.842.2030 Email: chadmidwest@gmail.com

(ii) If intended for Seller:

OCO CHONETTE Spany. 333 Washing for Ave Onon Drown Moven, M. 49417

each with a copy to Escrow Agent; or to such other addresses or facsimile numbers as Seller or Buyer shall have provided to the other in compliance with the above terms.

- 19. **Force Majeure**. Neither Party shall be responsible to the other Party for non-performance or delay in performance of the terms or conditions in this Agreement due to circumstances beyond the control of the non-performing Party, including, without limitation, acts of God, acts of government, wars, epidemics, riots, strikes, or other labor stoppages or shortages or other causes beyond the control of the Party.
- 20. Counterparts. This Agreement may be executed in one or more counterparts, and by different Parties to this Agreement on separate counterparts, each of which shall be deemed an original, and all of which taken together shall constitute one and the same Agreement. Copies of executed counterparts transmitted by facsimile, electronic mail, DocuSign, Adobe Acrobat (.pdf), or other electronic transmission services shall be considered originally executed counterparts for purposes of this Agreement.
  - 21. **Commission**. There is no commission related to this Agreement.

[SIGNATURES TO APPEAR ON FOLLOWING PAGE]

Cl

IN WITNESS WHEREOF, the Parties have executed this Agreement.

SELLER: 18 Stuper Housey (10
By: Name: Den hende Its: Manya Date: 10/6, 2022
BUYER:
MIDWEST V, LLC, or its nominee or assignee  By: Name: Peter Oleszczuk  Its: Manager Date: Oct. 44h, 2022
ESCROW AGENT:
Transnation Title Agency of Michigan - Lakeshore Division
By: Name: Its:, 2022

Exhibit A



PTO

#### **AUTHORIZATION LETTER**

Owner: 48th Student Housing LLC

Property: 10955 48th Ave Allendale MI, 49401

Date: 10/4/2022

To Whom It May Concern:

Midwest V, LLC ("Buyer"), of 1435 Fulton St., 2<sup>nd</sup> Floor, Grand Haven, MI 49417, is hereby authorized to act on our behalf in connection with the items listed below as it pertains to the development of our above-referenced Property pursuant to a Real Estate Purchase Agreement.

Due diligence – soil testing, geo-technical drilling, surveying, engineering, wetlands and environmental studies (Phase I, Phase II and/or BEA), asbestos and other physical inspections.

Permitting – Applications and filings with applicable municipalities for land division, lot line adjustment, and all entitlements, including, but not limited to, site plan approval, rezoning, variances, building permits, and any required construction permits.

Unless otherwise agreed in the Real Estate Purchase Agreement, any and all of the foregoing work shall be completed by Buyer at its sole cost and expense. Buyer will return the property to substantially the same condition prior to their work.

Sincerely,

Owner or Authorized Representative

Buyer Contact Information:

Attn: Peter Oleszczuk 1435 Fulton St., 2<sup>nd</sup> Floor Grand Haven. MI 49417

Phone: 616-842-2030 ext. 2106

Fax: 616-842-1950



O'BOYLE, COWELL, BLALOCK & ASSOCIATES, INC.

141 E. Michigan Avenue, Suite 500 Kalamazoo, Michigan 49007

124 Fulton Street E., Suite 6B Grand Rapids, MI 49503

**T** (269) 381-3357 **F** (269) 381-2944

ocba.com

December 5, 2023

Katie Chase OCBA Landscape Architects 124 Fulton St. E, 6B Grand Rapids, MI 49503

Re: Irrigation Plan for Allendale Dollar General

To Whom It May Concern:

The irrigation plan for the above-referenced project was designed by Spartan Distributors to meet the intent of Section 24.05.F of the Allendale Charter Township Zoning Ordinance.

Sincerely,

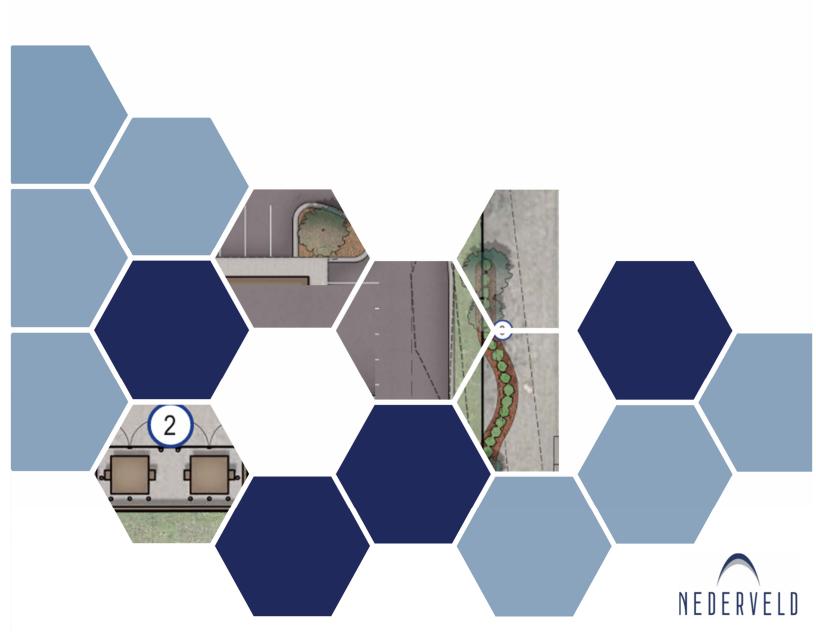
O'BOYLE, COWELL, BLALOCK & ASSOCIATES, INC.

Katie Chase, PLA



# Allied Installations

Allendale Township



### PROJECT NARRATIVE

Site Plan

#### PROJECT OVERVIEW

The Site Plan Application is for a property located at 11500 56th Avenue in Allendale Township. The applicant, Allied Installations, specializes in a variety of pallet rack installations solutions. Allied Installations has been in business since 1999 and has operated in Allendale Township since then. The applicant currently has a Purchase Agreement with the owner, Sietsema Farm Feeds LLC, and will close on the property upon site plan approval.

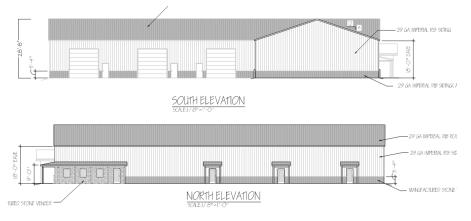


Allied Installation intends to occupy the majority of the proposed building, with future tenant spaces for the remainder of the structure. The enclosed site plan set has been created in accordance with Sec. 24.05 Final Site Plan of the Zoning Ordinance and no deviations from The applicant requests site plan approval from the Planning Commission without conditions.

The subject property is located at 11500 56th Avenue in the Industrial (I) zone district with an Industrial Future Land Use. According to Article 16, Sec 16.02 of the Zoning Ordinance, a manufacturing use such as Allied Installations is a permitted by right use. The proposed site improvements will be located on a 2.4 acre parcel which will be subdivided from a larger 33 acre parcel. Access to the property will be via 54th Avenue and the frontage on that road is approximately 275 feet. The structure is located approximately 60 feet from the front setback line and side yard setback line to the north. Lot coverage for this site, including the future expansion of the building, is 18%. All of the aforementioned dimensions are compliant with the Industrial zone district and no relief from the standards is requested.

The proposed building is 12,000 sf with a future expansion area of 7,200 sf. The project, therefore, is proposed as a "phased" project. It is unknown at this time when the second phase of the project will be complete, as it is depended on tenant acquisition. However, the initial phase of the project will be code compliant as constructed. The building is an industrial structure with a combination of masonry, aluminum siding, and metal roofing, There is no roof top equipment planed for the building and all site lighting will be handled via wall mounted lights. Allied installation plans to occupy roughly 6,000 sf within the primary structure and the balance is to occupied by up to 3 tenants. Uses for the tenant spaces is yet to be determined, but will either be an approved use or special land use of the Industrial zone district. A total of 35 parking spaces will be provided, located at the front and side yards, which is compliant with the Industrial section of Article 21 of the Zoning Ordinance. Waste receptacles have been noted on the site plan with the appropriate screening required. A code compliant landscaping plan has been provided within the site plan set which meets all of the standards within the Zoning Ordinance.

The site is adequately supplied by all utilities, with water and sewer located within Edgeway Drive. A Proposed 2 inch water service and 6 inch sanitary lateral will connect into the existing piping in the road. Stormwater management will be handled by a regional stormwater detention basin located to the north of the subject site. The stormwater basin is of adequate size to handle stormwater for this site and an outlet is provided into a stormwater pipe located within Edgeway Drive.





This site plan application for Allied Installations has met the required conditions set forth in the Zoning Ordinance The proposed use will not negatively impact any neighboring uses nor will it create excessive traffic, noise, odors, or other offensive conditions. The use is very compatible with all adjacent uses. The applicant is a long time Allendale Township business owner and employs 35 people. As the aforementioned required conditions have been met, the Planning

Commission is requested to approve the Final Site Plan without conditions.

#### **Response to Review Comments**

#### Fleis and Vanderbrink

#### **GENERAL:**

• Applicant must provide reasoning for each "NA" notation on the submitted site plan checklist. The checklist sheet is now updated with reasonings for each "NA" notation.

#### SHEET 31 OF APPLICATION:

 Architectural elevations drawings and exterior building materials need to be added to the site plans.

Architectural elevation drawings with exterior building materials have now been provided within the plan set.

#### SHEET C-201:

• The site plan checklist requires that the applicant depict the location and the use of existing structures within 100 feet of the boundary of the subject property. The applicant should label or note the current use of the building at 5455 Auto Court Drive STE A, as it is within 100 feet of the south parcel line.

Sheet C-201 has been updated to comply with this requirement.

#### SHEET C-205:

- The applicant should call out the dimensions of the proposed curb cut for the driveway along 54th Avenue.
- Abutting streets need to have dimensions labeled.
- All sidewalk details shall be in accordance with the MDOT R-28-J detail.
- Sidewalk ramp location(s) need to be shown on the plan view.
- The right-of-way along 54th Avenue needs to be labeled with dimensions shown.
- In the legend, the "Standard Duty" and "Heavy Duty" hatch colors cannot be differentiated. Provide contrast to clearly define different pavement types.

Sheet C-205 has been updated to comply with these requirements. Note that there is no proposed sidewalk.

- Verify that applicable truck turning movements have been taken into account for parking lot layout.
  - o Standard semi (WB-67, 73.50 ft length) will not be able to maneuver to back into east facing overhead loading door. It would also obstruct access to all parking spaces.

o Without "Future Loading Area" constructed, truck navigation for rear building overhead doors appears infeasible for a standard semi.

Note that semi-trucks are not proposed to be used on this site. A truck turn exhibit has been provided as part of the updated submittal packet depicting standard box truck movements.

#### SHEET C-300:

- Provide drainage and detention calculations for the detention basin.
- Provide storm sewer profiles during construction plan development.
- Provide additional spot grades, specifically high points, during construction plan development.

Sheet C-300 has now been updated with drainage calculations provided. Storm sewer profiles and additional spot grades will be provided with construction documents.

#### SHEET C-500:

• Sheet C-500 has a detail for Bituminous Valley Gutter, yet no other sheets show the location of valley gutter on the proposed site. Please clarify where Bituminous Valley Gutter is used.

Areas where bit valley gutter will be used have now been called out on the site plan documents.

#### SHEET L-100:

- Consider relocating some landscaping trees and shrubs that are placed close to underground utility pipes. Potential for leaves to clog catch basin if not properly maintained or root intrusion for underground pipes. o Shrubs shown over top of the water and sanitary sewer service laterals.
- o Trees located next to yard catch basin in the southeast corner of the site.

Relocated plantings are now depicted on sheet L-100. Plantings are now further from the catch basin.

Note, however, that the shrubs have remained as previously depicted in order to remain in compliance with the parking lot screening section of the Ordinance (Sec. 21A.04.G2). As the underground utility pipes are quite deep, the shrub placement should not interfere with any of the performance of the utility pipes.

#### Trip Generation Analysis

The Flies & Vanderbrink review letter included a trip generation analysis to determine whether a Traffic Impact Study (TIS) will be necessary for this site. The analysis showed that no further traffic analysis is required for this site.

#### Fresh Coast Planning

#### General Comments

• Parking – The narrative indicates 36 parking spaces, but the Illustrative Site Plan indicates 24 parking spaces with 11 spaces later. While the 11 spaces are not necessarily a concern, these numbers should equal. Please adjust accordingly.

The number of parking spaces for the initial phase of construction will be 24. Note that there potentially will be 30 employees attending Monday morning meetings at Allied Installations, for approximately 30 minutes, but many of them will be carpooling in company vehicles. Those vehicles will then leave the site and will not return all at once until the following Monday.

The future expansion area depicts a proposed 11 parking spaces at the front of the building. Therefore, the total proposed parking number is 35.

• Edgeway Drive – is it intended to be constructed with this application? If so or if not, it will affect your front yard area on the north property line for the existing and future building.

The road depicted as Edgeway Drive is not proposed to be constructed with this application. Images within the Purchase Agreement showing this have been removed.

o The Purchase Agreement shows access to the non-existent Edgeway Drive and the site plan shows access to 54th Avenue. While we do not recognize the Purchase Agreement as the official site plan, we want to make sure to

avoid confusion within the application materials. If the Purchase Agreement access is incorrect, please remove those documents.

See note above.

• The light fixture specification sheet appears to show an open light fixture but the General Note #6 on Sheet C-205 suggests otherwise. Please clarify. (Also See Section 21.04A below)

Revised light fixture specification sheets have been provided within this updated plan set. Light fixtures are now shielded from light intrusion to the road.

• Please label elevations as North, South, East, West

Updated architectural drawings have been provided which address this requirement.

Please label building materials on the elevations

Updated architectural drawings have been provided which address this requirement.

• Please provide product specification sheets for the building materials

Product specifications have not been provided, however applicant proposes to discuss building materials during the Planning Commission meeting.

• Typically, we ask for a truck turning template plan but it appears there is enough room on site. If you would like to provide one, please feel free. If not, we will leave this to the Planning Commission to determine.

A truck-turning exhibit has been provided as part of this updated plan set. Note that there is no semi-truck traffic anticipated for this site. All truck traffic will be box truck size or smaller.

Article 16 - Industrial District

Section 16.05 – Please provide height of the proposed building

Updated architectural drawings have been provided which address this requirement.

• Section 16.08B – Is any outdoor storage proposed? If so, please show in compliance with this section.

Outdoor storage is now shown only at the western edge of the proposed circulation area at the rear of the building. This area will be asphalt construction and will be for trailer storage.

Article 21 – Parking and Loading Regulations

- Section 21.04
- o A All illumination shall be deflected away from roadways. The open light fixtures appear to conflict with this requirement. Please modify accordingly.

Light fixture has been revised and cut sheet provided.

o E – FYI, the Flow Curb on your site plan does not meet Figure 21-A. Unless this is used within the right-of-way, please remove from the plans

Updated plan set has been revised accordingly.

o E2 – Extend the curbing on the south property line to the setback of the building

Updated plan set has been revised accordingly.

Section 21.06B – What are the maximum employees on site at any one time?

Monday morning staff meetings may require up to 30 employees on site at one time. This would only be for approximately half an hour and many employees carpool in company vehicles.

#### Section 21A.04 - General Requirements

• G(ii) – Even though the northwest landscape parking island is half proposed to be installed, a tree needs to be planted because the addition may never happen.

The updated plan set now includes a note indicating that the tree at the edge of the building, where the future building expansion is to take place, will be installed during Phase I of this project. All plantings indicated on this plan are to be planted during Phase I of this project.

Article 24 - Site Plan Review

Section 24.05D

o 10 - Provide pathway along 54th Avenue (Also see Section 24.06C1 below)

Request for Planning Commission to waive requirement for pathway along 54th Avenue. There are no sidewalks on any of the adjacent properties and none within the entire Edgewater industrial area (except for a short portion along 53rd st). Sidewalk installation would be impractical with the existing conditions on site and would not provide any benefit to the neighborhood. Waiving this requirement would allow this site to be consistent with neighboring properties.

o 16 – Provide details on architectural elevations (dimensions, label materials) and provide material specification sheets

Updated architectural drawings have been provided which address this requirement.

o 21 - Any signage?

No proposed signage is included within this application.

• Section 24.05F9 - Provide

A certification from a licensed landscape architect that the plan satisfies the requirements of the Ordinance has been provided within the updated plan set.

• Section 24.06

o C1 - Provide pathway along 54th Avenue

See note above regarding sidewalk.

o E1 – All light fixtures shall be shielded to minimize light trespass across property and from streets

See note above regarding light fixtures.

o F - Please add a plan note regarding underground utilities

A note has been included within the updated plan set noting that all electric and phone utilities be located underground.

o G1 – Where is ground mounted equipment located and how will it be screened?

A proposed location for ground mounted equipment is now shown on the updated plan set. Screening is provided for this equipment, but will be removed upon building expansion.

o G3 – Any outdoor storage of equipment or materials?

See note above regarding outdoor trailer storage. This is the only outdoor storage anticipated.

o H2 - Please provide dumpster enclosure detail/profile illustrating compliance with this section

Dumpster enclosure details have now been provided as part of this plan set.

o J3 – Provide details on architectural elevations (dimensions, label materials) and provide material specification sheets

Updated architectural drawings have been provided which address this requirement.

o L1 - Provide trip generation analysis

Per Fleis & Vanderbrink review letter, further Traffic Impact Study is not required.

#### Public Utility Review

- 1. The Buy and Sell Agreement indicates that there will be an extension of Edgeway Drive to create a cul-de-sac to service an addiθonal five (5) lots. The plans do not indicate this extension. Who is going to responsible for this extension?
- 2. The Buy and Sell Agreement indicates the driveway for the site will enter off from Edgeway, but the plans indicate the driveway will be of 54th Ave. Will there be an additional driveway entrance off from Edgeway Drive?
- 3. The road, utilities, and industrial lots should be developed prior to a site being developed. Additional site are indicated in the Buy and Sell Agreement
- 4. Plans indicate Lot 6 will be for a storm retention pond. Given that Lots 5 and 6 will be developed, at a minimum the road and utilities are to be extended to the property lines.
- 5. There are concerns noted above between the Buy and Sell Agreement and the plans that must be addressed.
- 6. Cover sheet indicates 56th Ave and not 54th Ave

The proposed site plan does not include the extension of Edgeway Drive and the noted attachments to the Purchase Agreement have been removed. The proposed plan site plan contemplates an access off of 54th street. If future lots are to be developed, an extension of Edgeway Drive will be conducted. Designs of Edgeway Drive will be provided at that time. Note that minimum frontage requirements will be met for the proposed site upon construction of Edgeway. The proposed stormwater detention pond is designed to accommodate furture lots, if necessary. Note that while the access will be off 54th st, as noted, but the current address is 11500 56th Avenue. Therefore all cover sheets reflect the 56th Avenue address.

#### Allendale Charter Township Fire Department

Print has incorrect road names and address.

See note above regarding addresses. The site currently has a 56th street address, so the prints reflect that.

This building will have to have Automatic sprinkler systems as drawn. 903.2.9 Group S-1 An automatic sprinkler system shall be provided throughout all buildings containing a group S-1 occupancy where one of the following conditions exists:

1. A Group S-1 fire area exceeds 12,000 square feet.

Understood.

All new buildings in Allendale Twp. are required by code IFC2012 506.1 to have a Knox box installed on the building for Fire Department access.

Agreed.

Allendale Fire reserves the right to make additional comments as necessary.

Agreed.

## LOWER GRAND RIVERLGROW Design Spreadsheet Ottawa County Water Resources Commissioner



#### Version 3.4

#### Instructions

- 1) After opening the spreadsheet you will need to enable the use of an embedded macro. Look for security warning above and click "Enable Content."

		orksheet button at the top of the page and hit the delete ke	ey.
		on is provided in the LGROW Design Spreadsheet Tutorial. from the site including structural BMPs in series or parallel.	
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
Project Description			
Development Name		Design Firm	
Address/Location		Engineer	
Developer/Owner		Date	11/8/2023
Run			
!	Select if Yes	Notes	
Drainage District			
Watershed Policy			
Redevelopment/Addition			
MS4			
Hotspot			
Coldwater Stream			
Sensitive Areas			
Delisitive Areas			
Description		Notes	
Name   Direct action Valuma	- 1-		
Channel Protection Volume	Basis		
Channel Protection Volume I	<b>Basis</b> Existing	Notes	
,		Notes	
Pre-development Land Use Definition	Existing	Notes	
Pre-development Land Use Definition Not Required	Existing	Notes	
Pre-development Land Use Definition Not Required Provided Offsite	Existing	Notes	
Pre-development Land Use Definition Not Required Provided Offsite Alternative Approach	Existing	Notes	
Pre-development Land Use Definition Not Required Provided Offsite	Existing	Notes	
Pre-development Land Use Definition Not Required Provided Offsite Alternative Approach	Existing	Notes	
Pre-development Land Use Definition Not Required Provided Offsite Alternative Approach  Subcatchment Connectivity	Existing	Notes	
Pre-development Land Use Definition Not Required Provided Offsite Alternative Approach  Subcatchment Connectivity  Number of Subcatchments	Existing		ntion
Pre-development Land Use Definition Not Required Provided Offsite Alternative Approach  Subcatchment Connectivity	Existing	Notes  Subcatchment Descrip	ption
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Pre-development Land Use Definition Not Required Provided Offsite Alternative Approach  Subcatchment Connectivity  Number of Subcatchments  Subcatchment Name  Sub1	Existing  2  Downstream Subcatchment Sub2	Subcatchment Descrip	ption
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Pre-development Land Use Definition Not Required Provided Offsite Alternative Approach  Subcatchment Connectivity  Number of Subcatchments  Subcatchment Name  Sub1	Existing  2  Downstream Subcatchment Sub2	Subcatchment Descrip	ption







#### **Subcatchment Hydrology Summary**

Subcatchment Name		Existing [		Developed		
Subcatchment Name	Area [ac]	% Impervious	Average CN	Area [ac]	% Impervious	Average CN
Sub1	2.40	0%	82	2.40	37%	83
Sub2	0.89	0%	82	0.89	0%	100
Site Totals and Averages:	3.29	0%	82	3.29	27%	87

#### **Channel Protection Volume from Structural BMPs**

Subcatchment Name	Channel Protection Volume [cft]						
Subcatchinent Name	Required	Upstream	Credited	Unmet			
Sub1	1,904	0	0	1,904			
Sub2	4,928	1,904	0	6,832			
Total	6,832		0				

Percent of Channel Protection Volume met by Onsite Retention	0
Required Extended Detention Volume [cft]	6,832
Required Extended Detention Release Rate [cfs]	0.053
1-year Existing Peak Discharge [cfs]	0.96

#### **Water Quality Volume and TSS Removal**

Subcatchment Name	Water Quality	Volume Met		TS	SS	
Subcatchment Name	Volume [cft]	volume wet	Generated	Upstream	Total	Removed
Sub1	4,262	No	4,262	0	4,262	0
Sub2	0	No	0	4,262	4,262	0
Total	4,262	No	4,262			0
	•			TSS Dom	oval Efficiency [%]	0

80% TSS removal met? No



# LOWER GRAND RIVER LGROW Design Spreadsheet Ottawa County Water Resources Commissioner



Runoff				Click here for de	ocumentation
				Curve	Number
Existing Land Use	HSG	Area	Units	Existing	Pre-settlement
Cultivated land	С	2.40	acre	82	71
		2.40	acre	82	71
Developed Land Use	HSG	Area	Units	Curve Number	Notes
DIST: Impervious (paved parking lot, roof, driveway, etc.)	С	0.88	acre	98	
DIST: Open spaces (grass cover) - good	С	1.52	acre	74	
Notes:		2.40	acre	83	
Subcatchment Runoff Volume for Developed Land Use					
Rainfall Frequency	1-year	2-year	10-year	25-year	100-year
Volume from this Subcatchment [cft]	9,070	11,178	20,186	27,881	43,100

Channel Protection Volume			'	Click here for do	ocumentation
Required Channel Protection Volume			2-year Runoff	Volumes [cft]	
Is Channel Protection Volume required? If no, I	provide reason.	Yes	Developed	Pre-developed	
Required this Subcatchment [cft]		1,904	11,178	9,274	
Unmet from Upstream Subca	atchments [cft]	0			
Required Channel Protection	on Volume [cft]	1,904			
Structural BMPs used to meet Channel Protection Volume					
Structural BMP Inf	A filtration Area [sqft]	V Storage Volume [cft]	i Design Infiltration Rate [in/hr]	Drain Time [hr]	Volume Retained [cft]
				N.A.	
Totals		0			0
			Credited Channel I	Protection Volume	0
Notes:	Per	centage of Channel	Protection Volume	Met by Retention	0%
		-			

Water Quality Volume				Click here for d	ocumentation
			Paved [ac]	Pitched Roofs [ac]	Flat Roofs/Unpaved [
Sum of Directly Connected Ir	npervious Area [ac]	0.88	0.88		
Sum of Directly Connected Disturbed Pervious Area [ac]		1.52			
Required Volume this	Subcatchment [cft]	4,262	TSS Generated	this Subcatchment	4,262
Volume from Upstream S	ubcatchments [cft]	0	TSS from Upstre	am Subcatchments	0
Water Quality Volume	to be Treated [cft]	4,262		TSS to be Treated	4,262
TSS Accounting  BMPs Used in Treatment Train	Treated Water	TS	TSS Removal Efficiency		TSS Removed
Bivies used in Treatment Train	Volume [cft]	Tabulated	Third-Party	Effective	155 Kemoved
					0
					0
					0
					0
Released Water Volume [cft]	4,262			Total TSS Removed	0
Released Water Volume [cft] Water Quality Volume met?				Total TSS Removed	0



# LOWER GRAND RIVERLGROW Design Spreadsheet Ottawa County Water Resources Commissioner



Sub2:	Detention Ba	sin - wet			
Runoff				Click here for de	ocumentation
				Curve	Number
Existing Land Use	HSG	Area	Units	Existing	Pre-settlement
Cultivated land	С	0.89	acre	82	71
		0.89	acre	82	71
Developed Land Use	HSG	Area	Units	Curve Number	Notes
S-BMP: Water	С	0.89	acre	100	
Notes:		0.89	acre		
Subcatchment Runoff Volume for Developed Land Use					
Rainfall Frequency	1-year	2-year	10-year	25-year	100-year
Volume from this Subcatchment [cft]	7,269	8,368	12,632	15,992	22,292

Channel Protection Volume				Click here for d	ocumentation
Required Channel Protection Volume			2-year Runoff	Volumes [cft]	
Is Channel Protection Volume required? If no	, provide reason.	Yes	Developed	Pre-developed	
Required this Subcatchment [cft]		4,928	8,368	3,439	
Unmet from Upstream Sub	catchments [cft]	1,904			
Required Channel Protect	ion Volume [cft]	6,832			
Structural BMPs used to meet Channel Protection Volume			!		
Structural BMP Ir	A nfiltration Area [sqft]	V Storage Volume [cft]	i Design Infiltration Rate [in/hr]	Drain Time [hr]	Volume Retained [cft]
				N.A.	
Totals		0			0
			Credited Channel	Protection Volume	0
Notes:	Per	centage of Channel	Protection Volume	Met by Retention	0%

Water Quality Volume					Click here for d	ocumentation	
				Paved [ac]	Pitched Roofs [ac]	Flat Roofs/Unpaved [	
Sum of Directly 0	Connected In	npervious Area [ac]	0.00	0.00			
Sum of Directly Connected Disturbed Pervious Area [ac]		0.00		•			
Required \	olume this 9	Subcatchment [cft]	0	TSS Generated	this Subcatchment	0	
Volume from	Upstream Si	ubcatchments [cft]	4,262	TSS from Upstre	am Subcatchments	4,262	
Water Qua	ality Volume	to be Treated [cft]	4,262		TSS to be Treated	4,262	
TSS Accounting		Treated Water	TC	S Removal Efficie	ncu		
BMPs Used in Treatment Train		Volume [cft]	Tabulated Third-Party		Effective	TSS Removed	
		voidine [cit]	rabulateu	Illiu-Party	Lifective	_	
						0	
						0 0	
						0	
						0	
Released Water \	Volume [cft]	4,262			Total TSS Removed	0 0 0	
Released Water \ Water Quality V					Total TSS Removed TSS Remaining	0 0 0 0	

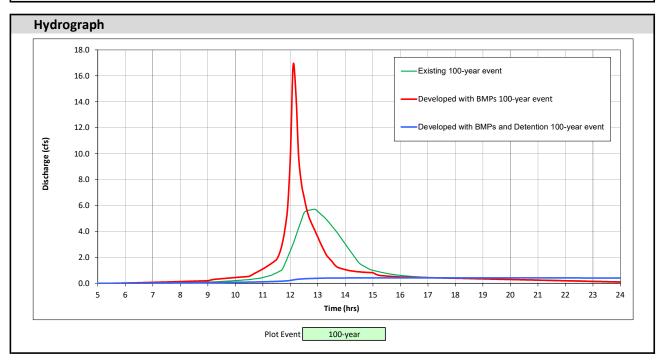






Time-of-Concentration	Click here for documentation			
	Worksheet	User	Value Used	Method Selected
Existing [hr]	0.00	1.00	1.00	User
Developed [hr]	0.00	0.25	0.25	
Notes:				

Detention - Routing Method		Retention - Summary of Volumes	
Design Storm	100-year	Design Storm	100-year
Total Contributing Area [ac]	3.29	Site Runoff Volume [cft]	65,392
Developed Peak Discharge [cfs]	16.79	BMP Storage Volume [cft]	0
		BMP Infiltrating Volume [cft]	0
Allowable Discharge Worksheet		Select Total Volume Provided [cft]	0
Standard Discharge [cfs] - 0.13 [cfs/ac]	0.43	Runoff Volume Retained by BMPs [cft]	0
Alternate Discharge [cfs]		O Unretained Runoff Volume [cft]	65,392
Credited BMP Retention Volume	Volume Retained	← This should normally be set to "Volume Retained"	
		← This should normally be set to "Volume Retained"	
Credited BMP Retention Volume Detention Required? Allowable Discharge [cfs]	Volume Retained Yes 0.43	← This should normally be set to "Volume Retained"	
Detention Required?	Yes	← This should normally be set to "Volume Retained"  Required Storage Volume [cft]	
Detention Required? Allowable Discharge [cfs]	Yes 0.43		ed Runoff Volume







### OWER GRAND RIVER LGROW Design Spreadsheet

#### Ottawa County Water Resources Commissioner



Volume Units	cft				
		-			
Rainfall					
Source and Distribution 2	4-hour, NOAA Atlas 1	4 at West Olive, MI, NR	CS MSE4		
Rainfall Frequency	1-year	2-year	10-year	25-year	100-year
Rainfall Depth [in]	2.25	2.59	3.91	4.95	6.90
Pre-settlement Land Use					
Time-of-Concentration [hr]	1.00				
Average Runoff [in]	0.37	0.54	1.33	2.08	3.64
Peak Discharge [cfs]	0.33	0.53	1.53	2.44	4.34
Runoff Volume [cft]	4,445	6,410	15,919	24,826	43,464
· ·				·	
Existing Land Use					
Time-of-Concentration [hr]	1.00				
Percent Impervious	0%	0%	0%	0%	0%
Average Runoff [in]	0.82	1.06	2.13	3.03	4.82
Peak Discharge [cfs]	0.96	1.25	2.54	3.63	5.70
Runoff Volume [cft]	9,777	12,714	25,393	36,239	57,594
_		•		•	
Developed Land Use					
Time-of-Concentration [hr]	0.25				
Percent Impervious	27%	27%	27%	27%	27%
Average Runoff [in]	1.37	1.64	2.75	3.67	5.48
Peak Discharge [cfs]	4.13	5.03	8.60	11.40	16.79
Runoff Volume [cft]	16,340	19,546	32,818	43,873	65,392
Volume Retained by BMPs [cft]	0	0	0	0	0
BMP Volume Credited to Detention [cft]	0	0	0	0	0
Volume Released [cft]	16,340	19,546	32,818	43,873	65,392
Peak Discharge Released [cfs]	4.13	5.03	8.60	11.40	16.79
Developed with BMPs and Detention					
Peak Discharge Released [cfs]	0.20	0.22	0.29	0.34	0.43

#### Disclaimer

This spreadsheet is furnished by the Grand Valley Metropolitan Council (GVMC) Lower Grand River Organization of Watersheds (LGROW) and Fishbeck for the convenience of the recipient to show compliance with stormwater standards. Any other use or application of this spreadsheet will be at the user's sole risk.



#### **Nederveld**

Project: 11500 56th Ave

Project #: 23201324 Date: 10/23/23

#### **Detention Storage Calculations**

#### **Detention Basin Contour Areas and Volumes**

Min. Elev.

Elev.	Area (s.f.)	Vol. (c.f.)	Vol. (ac-ft)	Cum. Vol.
654.00	20,252	0	0.00	0.00
655.00	24,792	22,484	0.52	0.52
656.00	27,945	26,353	0.60	1.12
657.00	31,199	29,557	0.68	1.80
658.00	34,552	32,861	0.75	2.55

#### 100-Year Storm Elevation Interpolation

	Elev.	Vol. (ac-ft)	Area (s.f.)
	655.00	0.516	24,792
>	655.87	1.040	27,522
	656.00	1.121	27,945

#### Elev. Interpolation for Volume Provided

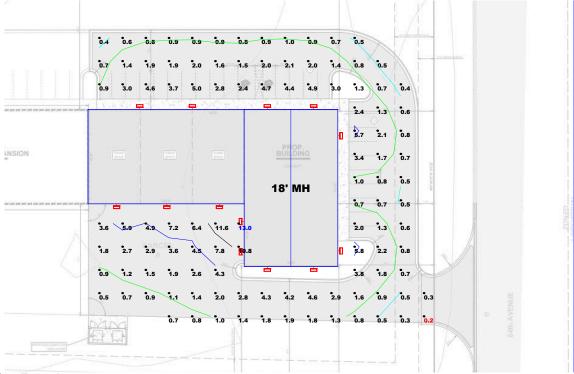
	Elev.	Vol. (ac-ft)	Area (s.f.)
	656.00	1.121	27,945
>	656.03	1.140	28,035
	657.00	1.800	31,199

<Total detention volume required by Ottawa County

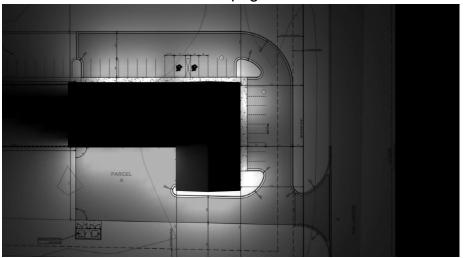


101060-Allendale

#### Scope of Work



See full size on page 3 for Render

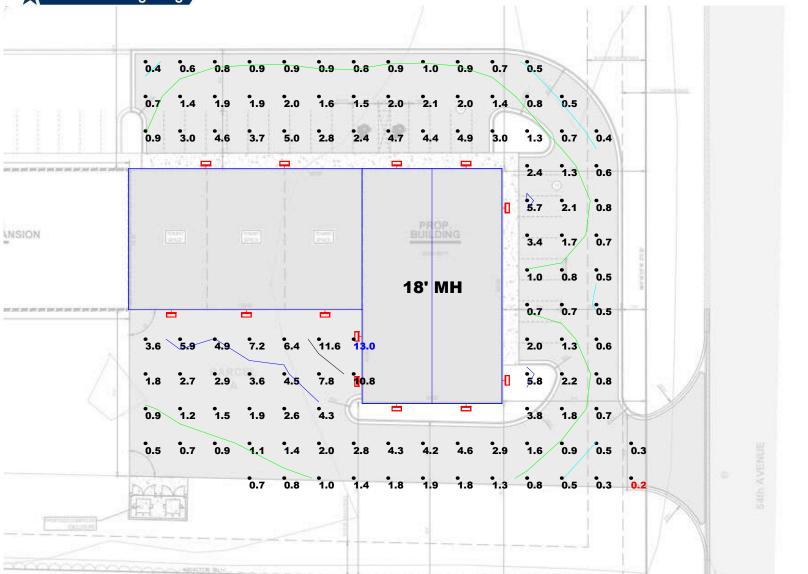


Luminaire Schedule				
Symbol	Label	Qty	Part #	
-[]		13	WM10L	

Calculation Summary				
Label	Avg	Max	Min	Height
Parking Lot	2.30	13.0	0.2	0

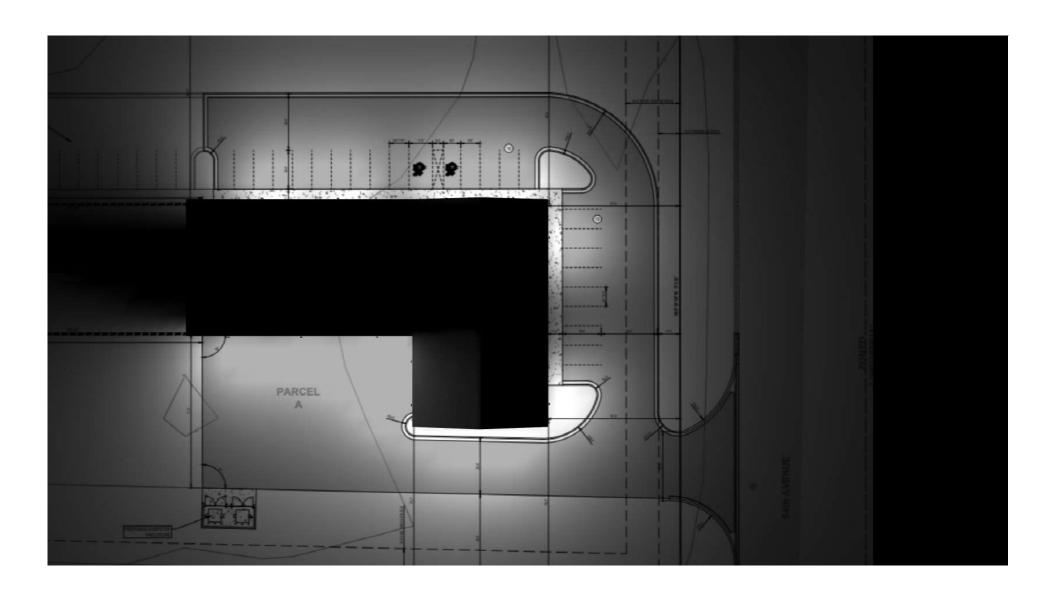
Note: Layout is based on information provided and should not be used as an as-built construction document. A professional Architect, Engineer, or Contractor must determine if layout will work with current or future site conditions. Illumination levels can vary due to unforeseen site conditions such as major light obstructions. (i.e.-Trees, Indoor racking, etc.) Part #'s shown on this layout are standard and may not include additional options (i.e.-voltage, color, photocell,etc.) or mounting bracketry, those items should be addressed via quote before a order is p





Note: Layout is based on information provided and should not be used as an as-built construction document. A professional Architect, Engineer, or Contractor must determine if layout will work with current or future site conditions. Illumination levels can vary due to unforeseen site conditions such as major light obstructions. (i.e.-Trees, Indoor racking, etc.) Part #'s shown on this layout are standard and may not include additional options (i.e.-voltage, color, photocell,etc.) or mounting bracketry, those items should be addressed via quote before a order is plant.

# 3D Contrast Render





"Where community is more than just a concept!"

# Planning Commission Application

Submission Date: <u>1</u>	1/14/2023						
Application for Site F	Plan Review in conjunction with whic	h of the	followi	ng:			
Site Plan Rev  New PUD De			Special	Amendment (including PUD) Use Application			
Property Owner:	Sietsema Farms Feeds LLC		***************************************				
Mailing Address:	11304 Edgewater Drive, Suite A, A	Allendal	e, MI 4	9401			
Phone Number:	616-895-7493	Cell P	hone:				
Email Address:			Fax:				
Owner's Signature:							
Applicant Name: (if not owner)	Greg DeMott						
Mailing Address:	PO Box 86, Allendale, MI 49401						
Phone Number:	(616) 293-5309	Cell P	hone:				
Email Address:	greg@allied-installations.com		Fax:				
Applicant's Signature:	12	7.					
	Who is the responsible party for future invoices? Check one:  Architect, Engineer, Attorney or other professionals associated with the project (attach additional sheets						
Contact:	Chuck Hoyt - Nederveld, Inc.						
Mailing Address:	217 Cesar E Chavez Ave SW, Su	ite 302,	Grand	Rapids, MI 49503			
Phone Number:	(616) 575-5190	Cell P	hone:				
Email Address:	choyt@nederveld.com		Fax:				
Address of Property: 11500 56th Avenue, Allendale, MI 49401							

Permanent Parcel Number: 70 - 09 - 24 - 300 - 091								
Legal Desci	Legal Description of Property (or attach to the application):							
see attached								
Lot Area:	2.4 Acres	Lot De	oth:	380 Ft		Lot Width:	275 Ft	
Current Zo	ning of Parcel:	Industrial	dustrial Current Use of Parcel:		v	vacant/farm land		
Proposed l	Jse of Parcel:	The site is t	o be ı	used for Allied Installati	ions	. a material bu	ilding installation	
Troposed	350 017 41 0011			l as future industrial ter		·		
Name of Pi	roposed	Allied	Ineta	llations				
Developme	ent (if applicable	e):   Allieu	mota	ilations				
Name of P	roposed Building	gs						
to be const	•	One bu	ilding	(proposed & future ex	pan	sion)		
200 // // // // // // // // // // // // /	12,0	00 proposed					,000 proposed	
Square fee		0 expansion	Squ	are feet of usable flo	or	area: 7,2	200 expansion	
Number of	Permanent	26 fa Allia			1			
Employees	(if applicable):	36 for Allied	insta	allations, unknown for d	Jtne	ertenants		
Please include 5 sets of the proposed Site Plan and 1 electronic copy for staff review along with								

- Please include 5 sets of the proposed Site Plan and 1 electronic copy for staff review along with your application and escrow fee. (When ready for submission to the Planning Commission, smaller than typical plans are allowed when they can be easily interpreted and are to scale.)
- Please see Resolution 2011-2 for our full escrow fee policy. If you would like a copy of this
  policy it is available online or by request at the Township office.
- If your escrow is not kept up to date, according to our policy, the Township reserves the right to withhold approval of your project, issue a stop work order, or withhold final occupancy until the escrow balance is made current.

For Office Use Only		
Date		
Received:		
Amount Paid:	Check No:	
Notes:		

# ALLENDALE CHARTER TOWNSHIP



#### BUY AND SELL AGREEMENT FOR VACANT LAND

0	of Rietberg Companies			, Broker,
G	Grandville	(city), Michigan Phone: 6	16-551-4884 Fax:	
E	mail:		Offer Date: 8-4-2023	_,(time)
1.	Agency Disclosure. The undersigned		broker named above is acting as (choose one):  oformed consent of both Buyer and Seller)	
2.	Buyer's Offer. The undersigned Buyer	r hereby offers and agrees to purchase pro	perty located in the Township	of
	Allendale	Ottawa	, County, Michigan, commonly	/ known as
	The east 16 to 17 acres per attach		, , ,	·
	Permanent Parcel Number Part of 70-	-09-24-300-017		
	See attached Exhibit "A"	00 24 000 011	and legally o	lescribed as follows:
		and improvements situated on the Land (t	he "Improvements"), all of which is collectively	referred to herein as
3.	Purchase Price. The purchase price for \$40,000 per acre based on a new	or the Property is: survey App: 16 to 17 acres,		
	Dollars (\$	<b>)</b> .		
4.	Payment of Purchase Price and Fir	nancing. Complete subparagraph "A" and	l subparagraph "B".	
	Terms of Payment. The purchase p this subparagraph "A").	price shall be paid at the closing by Buyer	to Seller as indicated by "X" below (mark one b	ox or the other under
	_ , , ,		and delivery of warranty deed and performance	by Seller of the
	REALTORS® Land Contract the closing obligations specific payment of the balance \$ 544 option, including interest at the become due 30 amonths after closing. Seller up	form, unless the parties mutually agree up ied in this Agreement. The Land Contract 4,000. in monthly in monthly in rate of % per annum computed after date of closing. The entire unpaid balunderstands that consummation of the sale	ant to the terms and conditions stated in the Coron a different form of land contract, upon perfor shall provide a down payment of \$136,000. installments of \$ intrest only or monthly, interest to start on date of closing, and lance will become due and payable 36 or transfer of the Premises shall not relieve Sesubject, unless otherwise agreed to by the lender	mance by Seller of and ore, at Buyer's I first payment to
			under this subparagraph "B"). ises is not contingent upon Buyer obtaining fina	ncing for all or any
	☐ Financing Contingency. Bu Premises that is acceptable to Date of this Agreement (the "f purchase of the Premises. If acceptable to Buyer within the refund of any deposit by delive Contingency Period. If Buyer	uyer's obligation to purchase the Premises on Buyer, in Buyer's sole and absolute discription of the Buyer against the Buyer agater making such diligent effort Buyer fails of Erinancing Contingency Period, then Buyer fails a written notice of termination to Sell	is contingent upon Buyer obtaining financing for retion, within () da rees to diligently pursue in good faith obtaining is to obtain financing for the purchase of the Prefer may terminate this Agreement without liability er in accordance with this Agreement within the ation to Seller within the Financing Contingency	ys of the Effective financing for the nises that is and receive a Financing
5.	Survey. Seller shall provide Buyer with date of the Effective Date. In addition,		nises that Seller has in Seller's possession within	n five (5) days of the
	ALTA/NSPS Land	Title Survey minimum requirements; or	ncroachments, if any, and completed to the mosents of record, improvements and encroachmen	
	☐ A recertified survey; or			
	☐No new or recertified survey;			
	days after the title insurance commi		Buyer at Seller's expense, within <u>Thirty</u> een provided by Seller to Buyer under the terms a new or recertified survey under this paragraph	

Property Address 11500 56th Ave ©Commercial Alliance of REALTORS®, 2019/2020 Revision Date 5/2019

Buyer's Initials

#

so within the required time, then Buyer may order the required survey at Seller's expense. If any matter disclosed in the new or recertified survey (or absent either, an existing survey) adversely and materially affects the value of the Premises or Buyer's intended use of the Premises, Buyer shall give seller written notice of the matter within ten (10) days after copies of both such survey and the title commitment (and all exception documents identified in the title commitment) referenced in this written Agreement are delivered to Buyer. If Seller fails to cure the matter within ten (10) days of receiving notice (the "Survey Cure Period"), Buyer shall have the right to terminate this Agreement by giving Seller written notice within ten (10) days after the expiration of the Survey Cure Period, otherwise Buyer's right to terminate this Agreement pursuant to this paragraph shall be deemed to have been waived. Other:

None

6. **Title Insurance.** At Seller's expense, Seller shall provide Buyer with a standard ALTA owner's policy of title insurance in the amount of the purchase price, effective as of the date of closing. A commitment to issue such policy insuring marketable title (as defined in this Agreement) vested in Buyer, including a tax status report, shall be ordered within seven (7) days after the Effective Date, and shall be delivered, with copies of all title exception documents, as soon as feasible thereafter. (Note that some title commitments do not report on the status of oil, gas, or mineral rights.) If any matter disclosed by the title commitment adversely and materially affects the value of the Premises or Buyer's intended use of the Premises, Buyer shall give Seller written notice of the matter within ten (10) days after copies of both the title commitment (and all exception documents identified in the title commitment) and survey referenced in this Agreement are delivered to Buyer. If Seller fails to cure the matter within ten (10) days of receiving written notice (the "Title Commitment Cure Period"), Buyer shall have the right to terminate this Agreement by giving Seller written notice within ten (10) days after the expiration of the Title Commitment Cure Period, otherwise Buyer's right to terminate this Agreement pursuant to this paragraph shall be deemed to have been waived. Other:

Title insuance and clsoing to be at River Valley Title Company in Grandville.

7.	Inspections. By signing this Agreement, Buyer is representing that the Buyer is aware that professional services are commercially available at a fee by experts selected by Buyer. The Buyer has elected to arrange and pay for services/investigations, including, but not limited to, the following:  □ No Inspections □ Soil Borings □ Zoning ☒ Site Plan Approval □ Utilities ☒ Permitting □ Other (specify):  Buyers preformance contingent upon all govermental approvals by closing.
	The Buyer shall have the right to terminate this Agreement if the due diligence results are not acceptable to the Buyer by giving Seller written notice within
8.	Closing Adjustments. The following adjustments shall be made between the parties by the close of business on the closing date, with Buyer receiving a credit or assuming responsibility, as the case may be, for amounts attributable to time periods following the closing date:  a. Prepaid rent and Additional Rent (as defined in the paragraph);  b. Interest on any existing indebtedness assumed by Buyer;  c. Charges for any transferable service contracts assigned to Buyer described in Exhibit D;  d. Utility deposits;  e. Security deposits;  h. Additional Rent (as defined below).
	If any tenant is late, delinquent or otherwise in default in the payment of rent on the closing date, Seller shall assign to Buyer the claim for and the right to collect the rent; Buyer shall pay such past due rent to Seller promptly upon receipt; but Buyer shall not be obligated to file suit to collect such rent and shall reassign the claim to Seller on demand. If any tenants are required to pay percentage rent, charges for real estate taxes, insurance common area maintenance expenses, or other charges of a similar nature ("Additional Rent"), and any Additional Rent is collected by Buyer after closing attributable in whole or in part to any period prior to closing, Buyer shall promptly pay to Seller Seller's proportionate share of the Additional Rent. Other:  None
9 .	Property Taxes. All property taxes first billed prior to the year of closing will be paid by Seller, without proration. All property taxes billed or to be billed in the year of closing will be paid as follows (choose one):  No Proration:  Buyer  Seller shall pay the taxes billed in July.
	☐ Buyer ☐ Seller shall pay the taxes billed in December.
X	Calendar Year Proration. Combined per diem tax amount representing both the July bill and the December bill shall be calculated based on a 365 day year. Seller shall be responsible for the per diem total from January 1 to, but not including, the day of closing. Buyer shall be responsible for the

difference between the total of the two tax bills and the Seller's share. If the amount of either tax bill is unknown on the day of closing, such amount

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Revision Date 5/2019

shall be based on the prior years' tax bill.





- 10. Special Assessments, and deferred assessments, whether due in installments or otherwise, which are due and payable on or before the closing shall be paid by the Seller. All other special assessments, including deferred assessments, for improvements, now installed, not yet installed, or in the process of being installed, that are first due and payable after the closing shall be paid by Buyer. Other:
- 11. Conveyance. Upon performance by Buyer of the closing obligations specified in this Agreement, Seller shall convey the marketable title to the Property to Buyer by warranty deed or agree to convey marketable title by land contract or assignment, as required by this Agreement, including oil, gas and other mineral rights owned by Seller, if any, subject only to existing zoning ordinances, and the following matters of record: building and use restrictions, easements, oil and gas leases, and reservations, if any. As used herein, "marketable title" means marketable title within the meaning of the Michigan 40-Year Marketable Title Act (Mich. Comp. Laws §§ 565.101 et seq.).

The following paragraph applies only if the Property includes unplatted land:

Seller agrees to grant Buyer at closing the right to make (insert number) \_\_\_\_\_\_\_ division(s) under Section 108 (2), (3) and (4) of the Michigan Land Division Act. (if no number is inserted, the right to make divisions under the sections referenced above stays with any remainder of the parent parcel retained by Seller. If a number is inserted, Seller retains all available divisions in excess of the number stated; however, Seller and/or Broker do not warrant that the number of divisions stated is actually available.) If this sale will create a new division, Seller's obligations under this Agreement are contingent on Seller's receipt of municipal approval, on or before \_\_\_\_\_\_ (date), of the proposed division to create the Premises. Other:

Seller to allow as many splits as possible. Buyer may have to subdivide at some time

- 12. Warranties of Buyer. Except as otherwise provided or acknowledged in this Agreement, Buyer represents and warrants to Seller as follows:
  - a. The performance of the obligations of Buyer under this Agreement will not violate any contract, indenture, statute, ordinance, judicial or administrative order or judgment applicable to Buyer.
  - b. There is no litigation or proceeding pending, or to Buyer's knowledge threatened, against or involving Buyer, and Buyer does not know or have reason to know of any ground for any such litigation or proceeding, which could have an adverse impact on Buyer's ability to perform, or Seller's interests, under this Agreement.
  - c. In entering into this Agreement, Buyer has not relied upon any written or verbal representations made by Seller or any representative of Seller, including any real estate salesperson, regarding the Property or any aspect of this transaction, which are not expressly set forth in this Agreement.
  - d. Other:

None

- 13. Warranties of Seller. Except as otherwise provided or acknowledged in this Agreement, Seller represents and warrants to, and agrees with Buyer as follows:
  - a. Seller's interest in the Property shall be transferred to Buyer on the closing date, free from liens, encumbrances and claims of others.
  - b. The performance of the obligations of Seller under this Agreement will not violate any contract, indenture, statute, ordinance, judicial or administrative order or judgment applicable to Seller or the Property.
  - c. There is no litigation or proceeding pending or to Seller's knowledge threatened against or involving Seller or the Property, and Seller does not know or have reason to know of any ground for any such litigation or proceeding which could have an adverse impact on Seller's ability to perform under this Agreement or that could adversely affect Buyer's title or use of the Property.
  - d. Seller shall continue to operate the Property in the ordinary course of business and maintain the Property in a state of good condition and repair during the interim between the signing of this Agreement and the closing date.
  - e. If a statement(s) of income and expense with respect to the operation of the Property is (are) described in Exhibit B, such statement(s) is (are) accurate for the period(s) designated in the statement(s).
  - f. The information concerning written leases and tenancies not arising out of written leases described in Exhibit B is accurate as of the Effective Date, and there are no leases or tenancies with respect to the Premises other than those described in Exhibit B (the "Leases"). The warranties in this paragraph do not apply to oil and gas leases, if any. Except as otherwise described in the documents that will be delivered pursuant to the index of Exhibits:
    - (1) All of the Leases are in full force and effect, no party thereto is in material default thereunder, and none of them have been modified, amended, or extended beyond what will be delivered per Exhibit B; with respect to renewal or extension options, options to purchase the Premises, advance payments in excess of one month, common area maintenance and utility fees, and security deposits, these items are set forth in the written leases described in Exhibit B.
    - (2) The rents set forth are being collected on a current basis and there are no arrearages;
    - (3) No real estate brokerage commission will become owing in the event of any tenant's exercise of any existing option to renew the term of any lease or purchase of the Premises.
  - g. With respect to underlying land contracts or mortgages, the sale will not accelerate indebtedness, increase interest rates, or impose penalties and sanctions.
  - Seller is without personal knowledge as to the presence on the Property of any toxic or hazardous substances or of any underground storage tanks.
  - i. Other:

None

Buyer's Initials



- 14. Damage to Business. If between the Effective Date and the closing date, all or any part of the Property is damaged by fire or natural elements or other causes beyond Seller's control that cannot be repaired prior to the closing date, or any part of the Property is taken pursuant to any power of eminent domain, Seller shall immediately notify Buyer or such occurrence, and either Seller or Buyer may terminate this Agreement by written notice to the other within fifteen (15) days after the date of damage or taking. If neither elects to terminate this Agreement, there shall be no reduction in the purchase price and, at closing, Seller shall assign to Buyer whatever rights Seller may be with respect to any insurance proceeds or eminent domain award.
- 15. Closing. The closing shall be held on or before 1-31-2024 (date) and as promptly as practical after all necessary documents have been prepared. An additional period of Thirty (30 ) days shall be allowed for closing to accommodate delays in title work or the correction of title defects and/or survey problems which can be readily correctable, delays in obtaining any required inspections, surveys or repairs, delays in completing Environmental Site Assessments, Baseline Environmental Assessment or Due Care Plan/Section 7a Compliance Analysis (if such assessments or plans were ordered in a timely manner), or if the terms of purchase require participation of a lender and the lender has issued a commitment consistent with the requirement but is unable to participate in the closing on or before the required date. Other:
- 16. Possession. Seller shall tender to Buyer possession of the Property upon completion of the closing, subject to all existing leases and rights of tenants in possession. Other:

None

- 17. Seller's Closing Obligations. At closing, Seller shall deliver the following to Buyer:
  - a. The warranty deed, land contract or assignment of land contract required by this Agreement.
  - b. A bill of sale for any Personal Property (described in Exhibit "D").
  - c. A written assignment by Seller of Seller's interest in all leases and a transfer to Buyer of all security deposits, accompanied by the original or a true copy of each lease.
  - d. An assignment of all Seller's rights under any Service Contracts described in Exhibit C which are assignable by their terms and which Buyer wishes to assume, together with an original or true copy of each Service Contract assigned.
  - e. A notice to any tenants advising the tenants of the sale and directing that future payments be made to Buyer.
  - An accounting of operating expenses including, but not limited to, CAM, taxes, insurance and Additional Rent, collected in advance or arrears, spent or not yet spent by Seller, showing an accurate allocation between the parties pursuant to the leases.
  - Payment of the County and State real estate transfer tax.
  - h. Any other documents required by this Agreement to be delivered by Seller.
- 18. Buyer's Closing Obligations. At closing, Buyer shall deliver to Seller the following:
  - a. The cash portion of the purchase price specified in this Agreement shall be paid by cashier's check or other immediately available funds, as adjusted by the apportionments and assignments in accordance to this Agreement.
  - b. A written assumption by Buyer of the obligations of Seller under the leases arising after closing, including an acknowledgement of the receipt of all security deposits.
  - c. Any other documents required by this Agreement to be delivered by Buyer.
- 1031 Tax Deferred Exchange. Upon either party's request, the other party shall cooperate and reasonably assist the requesting party in structuring the purchase and sale contemplated by this Agreement as part of a tax deferred, like-kind exchange under Section 1031 of the Internal Revenue code of 1986, as amended; provided, however, that in connection therewith, the non-requesting party shall not be required to (a) incur any additional costs or expenses; (b) take legal title to additional real property (i.e. the requesting party's "replacement property" or "relinguished property"); or (c) agree to delay the closing.
- 20. Notices. Any notice required or permitted to be given hereunder shall be deemed to have been properly given, if in writing and delivered to the parties at the addresses shown below, and shall be deemed received (a) upon delivery, if delivered in person or by facsimile transmission, with receipt thereof confirmed by printed facsimile acknowledgement, (b) one (1) business day after having been deposited for next day overnight delivery with a nationally recognized overnight courier service, (c) two (2) business days after having been deposited in any U.S. post office or mail depository and sent by certified mail, postage paid, return receipt requested, or (d) upon sending, if sent by email (with a confirmation copy sent the same day by overnight delivery).
- 21. Authority of the Parties. Each of the undersigned individuals who have signed this Agreement on behalf of Seller and Buyer entities represent and warrant that he/she is authorized to sign this Agreement on behalf of such party and to bind such party to the requirements of this Agreement.
- 22. Additional Acts. Buyer and Seller agree to execute and deliver such additional documents and to perform such additional acts after the closing as may become necessary to effectuate the transfers contemplated by this Agreement.
- 23. Entire Agreement. This Agreement contains the entire agreement of the parties with respect to the sale of the Property. All contemporaneous or prior negotiations have been merged into this Agreement. This Agreement may be modified or amended only by written instrument signed by the parties to this Agreement. This Agreement shall be governed by and construed in accordance with the laws of the State of Michigan.
- with Rietberg Companies 24. Earnest Money. Buyer shall deposit \$ 10,000 , Escrow Agent, [insert name of Broker, Title Company or other]  $\square$  with this offer or  $\bowtie$  within Three (3 )days after acceptance of this offer, evidencing Buyer's good faith, to be held by the Escrow Agent and to apply to the purchase price or the down payment portion thereof where applicable. If this offer is not accepted, or the title is not marketable, or if the purchase is contingent upon conditions specified that cannot be met, this deposit shall be promptly refunded. If the Buyer defaults, all deposits made may be forfeited as liquidated damages at Seller's election, or alternatively. Seller may retain the deposits as part payment of the purchase price and pursue Seller's legal or equitable remedies against Buyer. If the sale is not closed according to its terms, the selling Broker may notify Buyer(s) and Seller(s) of Escrow Agent's intended disposition of earnest deposit, and all parties shall be deemed to have agreed to the disposition of the earnest money deposit unless Escrow Agent is notified of a court action pending concerning this sale or disposition of earnest money within thirty (30) days after notice to the parties.





- 25. **Disclosure of Price and Terms.** The purchase price and the terms of this sale may be disclosed by the Commercial Alliance of REALTORS® Multiple Listing Service (CARWM) in the ordinary conduct of its business. Deletion of this paragraph shall not be considered a counter offer that would require a counter acceptance.
- 26. Credit Reports. Buyer consents that, if not otherwise prohibited, the Broker(s) may give Seller information about the Buyer contained in a credit report that may be furnished to the Broker(s) by a credit reporting agency.
- 27. Advice of Counsel. Buyer acknowledges that the Broker has recommended that the parties retain an attorney or attorneys to review the terms of this Agreement.
- 28. Attorneys' Fees. In the event of litigation arising from the failure or alleged failure of either party to perform its obligations under this Agreement, the party prevailing in that litigation (including appeals of all levels) shall be entitled to collect its court costs and reasonable attorneys' fees incurred in connection with such litigation from the other party. The provisions of this Section shall survive Closing or termination of this Agreement.

#### 29. Environmental.

#### A. Notice to buyers and sellers (environmental risks).

Whenever real property is acquired or occupied, the buyer incurs some degree of risk with regard to potential environmental contamination and/or protected natural resources on the property. Various federal, state, and local laws may impose liability upon the buyer for the remediation of the contamination even though the buyer did not cause it, or may restrict the buyer's ability to fully develop or utilize the property. Such risk can be minimized through the performance of environmental due diligence. Additionally, sellers are advised that they may have an obligation to provide certain environmental information and/or disclosures to prospective buyers. The failure to provide such information or disclosures may subject a seller to potential liability or result in the loss of certain liability protections.

No real estate brokers/salespersons in this transaction possess the expertise necessary to assess the nature or extent of these environmental risks or to determine the presence of environmental contamination or protected natural resources. The real estate brokers/salespersons involved in this transaction do not make independent investigations as to environmental contamination or protected natural resources with respect to any property, and they make no representations regarding the presence or absence, now or in the past, of environmental contamination. It is therefore prudent for each party to this transaction to seek legal and technical counsel from professionals experienced in environmental matters to provide an evaluation of the environmental risks associated with the transaction.

В.	Env	/ironmental rep	orts and ass	essments.										
	(1)	Within		_) days of t	the Effectiv	e Date, S	Seller shall deli	ver to Buye	er copies of	any ex	isting report	s, data,	plans,	permits,
		notices and/or	information is	n Seller's p	ossession	relating	to environmen	tal matters	pertaining	to the	Premises (	'Seller's	Enviro	nmental
		Documents").												

- (4) If the Environmental Assessments cause any damage to the Premises, Buyer agrees to reasonably restore the Premises to the condition that existed prior to such damage. The restoration obligation does not require the remediation of any existing environmental condition. Buyer shall indemnify, defend and hold Seller and Broker harmless from and against any damage to persons or property caused by Buyer or Buyer's agents in conducting the Environmental Assessments.

#### C. Nondisclosure.

- (1) If Seller's Environmental Documents or the Environmental Assessments identify the Land as a "facility" as defined in Part 201 of Michigan's Natural Resources and Environmental Protection Act, Public Act 451 of 1994, as amended ("NREPA") or a "site" as defined in Part 213 of NREPA, then Buyer may conduct a Baseline Environmental Assessment ("BEA") and/or a Due Care Plan ("DCP"); provided, however, that Buyer may not submit or otherwise disclose such BEA, DCP, or similar report (e.g., a response activity plan) to the Michigan Department of Environmental Quality prior to closing unless Buyer obtains prior written consent from Seller.
- (2) If Buyer exercises its right to terminate this Agreement pursuant to subparagraph b(3) above, Buyer shall not disclose Seller's Environmental Documents or the Environmental Assessments to any third party unless required by mandatory disclosure pursuant to legal process. At Seller's request, Buyer shall provide copies of any Environmental Assessments to Seller.

#### D. Other:

None

Buyer's Initials



				Buy and Sell Agreement for Vac	ant Land Pag				
30				Buyer agree(s) to pay the broker(s) involved in this transaction a brokerage fee as specified in any agreent between them. In the event no such agreement exists, $\square$ Buyer $\square$ Seller agrees to pay a brokerag					
	of 7%	. This brokerage fee shall be paid in full promptly after it is earned, but not							
	cooperating	red by the recipient value to or consent from eneficiary entitled to							
24	Other Duran	1-1							
31	<ul> <li>Other Provi</li> <li>Seller to provi</li> </ul>		v past wet lands studies or enviromental reports they have						
Seller to provide buyer with any past wet lands studies or enviromental reports they have.									
(	or federal gov	emment hol	iday, the ti	Agreement. In any case where a date for performance by either party or a deadline ime for performance or the deadline, as applicable, shall automatically extend u ement, a "business day" shall mean a day other than Saturday. Sunday or a fede	until 11:59 p.m. on t				
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35. SELLER'S ACCEPTANCE	Date: 8 - 8 - 2 3 Time: 2 P/3	
, ,	ed as follows:	
See Attachep	ADDENOUN #2	
without any modifications, the date Seller signs becomes the Effective	orizes delivery of this Agreement to Buyer. If this Agreement is signed by Sective Date. If this Agreement is signed by Seller subject to any modifications, Se (time) August 10 (date) to obtain Buyer.	ller
written acceptance of Seller's counter offer.	// - /	
Seller:(print name of individual or entity)	Seller: (print name of individual or entity)	,
Signature:	Signature:	
Its:	Its:(if Seller is an entity)	
Seller's Address:	Bus. Phone: Fax:	
36. BUYER'S RECEIPT OF ACCEPTANCE	Date:Time:	
	······································	
	r. If Seller's acceptance of Buyer's offer was subject to a counter offer, Buyer agre	es
to accept the terms of the counter offer:	The state of the s	
as written (with all other terms and conditions of Buyer's offer re		
Sec Attachen ADDEND	um # 2	
If Buver is accepting a counter offer from Seller as written, the date	Buyer signs below becomes the Effective Date. If Buyer is accepting Seller's coun	iter
offer subject to any modifications, Buyer gives Broker above named obtain Seller's written acceptance of Buyer's counter offer.	d until (time)(date)	
	V Power	W/
Buyer:(print name of Individual or entity)	Buyer:(print name of individual or entity)	天
Signature:	Signature:	
Its:	Its:	
(if Buyer is an entity)	(if Buyer is an entity)	
37. SELLER'S RECEIPT OF ACCEPTANCE	Date:, Time:	
	Seller's counter offer (if Seller made a counter offer), or Seller agrees to accept to terms of Buyer's counter offer as written, then the date Seller signs below become	
Seller:(print name of individual or entity)	Seller:(print name of individual or entity)	
Signature:	Signature:	
Its:(if Seller is an entity)	Its:(if Seller is an entity)	
(ii Saliai is ali aliuty)	(ii Gailat ia att attuty)	
Property Address  ©Commercial Alliance of REALTORS®, 2019/2020		
Revision Date 5/2019	Buyer's Initials	ials

CONSTRUCTION BY;

STEDFAST CONSTRUCTION

6090 A.DEN NASH AVE;

A.TO, MI 49502

JEW PROPOSED BLDG, FOR;
ALLIED INSTALLATIONS
11500 56TH AVE;
ALENDALE, MI 49401

DATE: DEC. 1, 2023 DEC. 19, 2023 JAN. 2, 2024 REVISED:

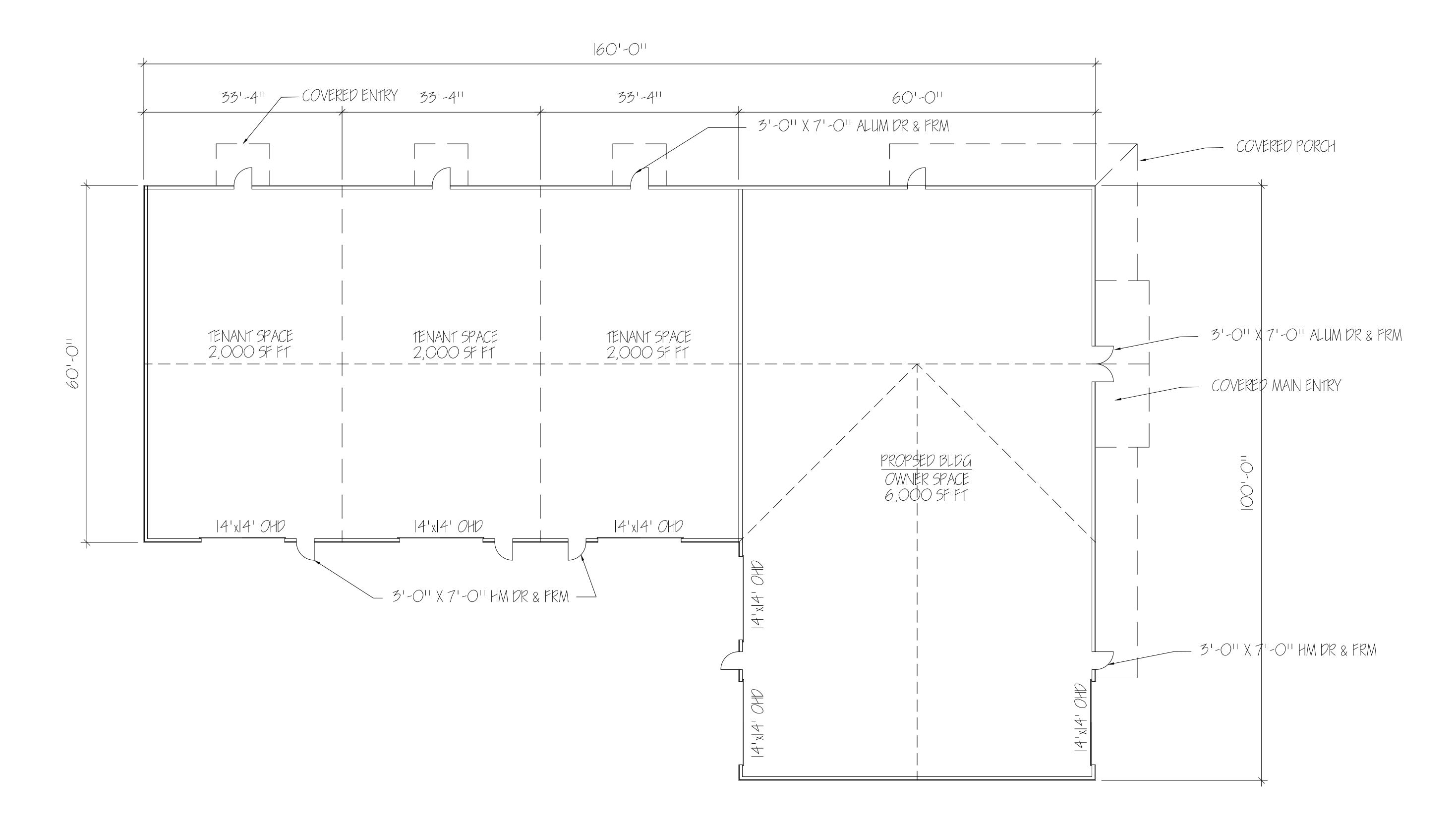
REVISED:

SHEET

OF 2 SHEET(5)

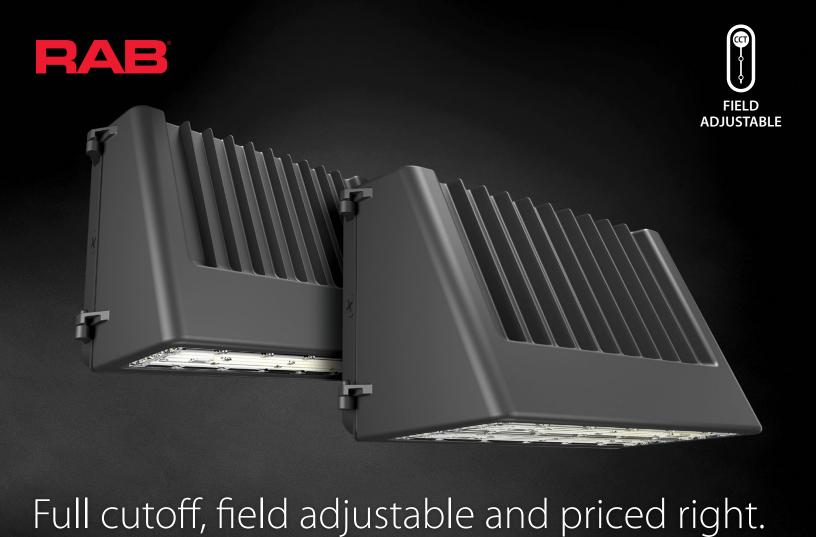


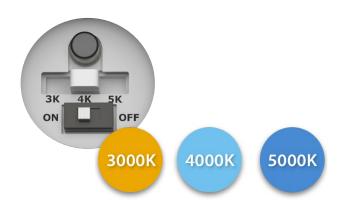
OF 2 SHEET(5)





USE GROUP: B/S-2 LOW-HAZARD USE TYPE OF CONSTRUCTION:5B TOTAL BUILDING SQ, FT,=12,000 SQ, FT, ASSUMED SOIL BRG. 3,000 #/SF





SLIM17 ultra-economy wall packs.

# Field-adjustable control.

The SLIM17 comes with a field-adjustable CCT switch that's easily accessed on the side of the fixture and allows you to choose between 3000, 4000 and 5000K.



# On when you need them, off when you don't.

All models come standard with an integrated, selectable, on/off photocell that can automatically control when the wall packs turn on for even greater energy savings.















RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty



# Plenty of options.

These larger SLIM17s come in two sizes and are available in five different wattages: 40, 60, 100, 120 and 150W.





# The proof is in the performance.

Tight budgets don't mean having to sacrifice on performance. The SLIM17 delivers 80+ CRI and a high efficacy of up to 145 lm/W, all with 0-10V dimming. Its diffuse, uniform output comes without the flickering or humming often found in ultra-economy lighting.



# Easy installation.

Hinged wiring access and conduit entries on the back, sides, top and bottom make installation a snap.

# Ordering Matrix

## WALLPACK FULL CUTOFF

Family		Style	Wat	ttage		Color Temp	Fii	nish	Drive	er/Voltage	C	Options
SLIM17FA		FC										
	FC	Full Cutoff	40	40W	Blank	5000K/4000K/3000K	Blank	Bronze	Blank	120-277V	Blank	Selectable
			60	60W		selectable						photocell
			100	100W								
			120	120W								
			150	150W								



December 6, 2023

Gregory Ransford, MPA Fresh Coast Planning 950 Taylor Avenue, Suite 200 Grand Haven, Michigan 49417

RE: Allied Installations Inc. – 11500 56<sup>th</sup> Avenue Planning Commission Review

Dear Mr. Ransford:

Fleis & VandenBrink (F&V) received the Allied Installations Inc at 11500 56<sup>th</sup> Avenue planning documents on November 15, 2023 which were prepared by Nederveld and dated November 14, 2023.

F&V staff have a performed a review of the aforementioned plan set and have the comments below to offer. Additionally, it is noted that the applicant should ensure plans are sent to Ottawa County Water Resources Commission for review and approval of the storm water management (SWM) of this site.

#### **GENERAL:**

Applicant must provide reasoning for each "NA" notation on the submitted site plan checklist.

#### **SHEET 31 OF APPLICATION:**

Architectural elevations drawings and exterior building materials need to be added to the site plans.

# **SHEET C-201:**

The site plan checklist requires that the applicant depict the location and the use of existing structures
within 100 feet of the boundary of the subject property. The applicant should label or note the current
use of the building at 5455 Auto Court Drive STE A, as it is within 100 feet of the south parcel line.

#### **SHEET C-205:**

- The applicant should call out the dimensions of the proposed curb cut for the driveway along 54<sup>th</sup> Avenue.
- Abutting streets need to have dimensions labeled.
- All sidewalk details shall be in accordance with the MDOT R-28-J detail.
- Sidewalk ramp location(s) need to be shown on the plan view.
- The right-of-way along 54<sup>th</sup> Avenue needs to be labeled with dimensions shown.
- In the legend, the "Standard Duty" and "Heavy Duty" hatch colors cannot be differentiated. Provide contrast to clearly define different pavement types.

- Verify that applicable truck turning movements have been taken into account for parking lot layout.
  - Standard semi (WB-67, 73.50 ft length) will not be able to maneuver to back into east facing overhead loading door. It would also obstruct access to all parking spaces.
  - Without "Future Loading Area" constructed, truck navigation for rear building overhead doors appears infeasible for a standard semi.

#### **SHEET C-300:**

- Provide drainage and detention calculations for the detention basin.
- Provide storm sewer profiles during construction plan development.
- Provide additional spot grades, specifically high points, during construction plan development.

# **SHEET C-500:**

• Sheet C-500 has a detail for Bituminous Valley Gutter, yet no other sheets show the location of valley gutter on the proposed site. Please clarify where Bituminous Valley Gutter is used.

# **SHEET L-100:**

- Consider relocating some landscaping trees and shrubs that are placed close to underground utility pipes. Potential for leaves to clog catch basin if not properly maintained or root intrusion for underground pipes.
  - o Shrubs shown over top of the water and sanitary sewer service laterals.
  - o Trees located next to yard catch basin in the southeast corner of the site.

Additionally, a trip generation analysis was performed to verify whether a Traffic Impact Study (TIS) would be needed in accordance with the Township Zoning Ordinance. Analysis was performed utilizing a land use category of General Light Industrial, ITE Land Use Code 110 to categorize the proposed Dollar General for evaluation. The trip generation analysis was performed assuming the current and future expansion areas for a total floor area of 19,200 SF as depicted in the received plans.

The trip generation is summarized below and shows that the trip generation for the proposed development is below the Township Zoning Ordinance thresholds and no further traffic analysis is required for this site.

Land Use ITE Code		Size	Unit	Weekday Average Daily	AM Peak Hour (vph)			PM Peak Hour (vph)		
	Code			Traffic (vpd)	ln	Out	Total	ln	Out	Total
General Light Industrial	110	19,200	SF	123	15	2	17	2	10	12
TIS Threshold				750	50	50	n/o	50	50	n/o
Meets TIA/TIS Threshold				No	No	No	n/a	No	No	n/a

Sincerely,

FLEIS & VANDENBRINK

Shane Peterson, PE Project Manager

Brant Mercer, P.E. Project Manager

wit Mercer

cc: Kevin Yeomans, Fresh Coast Planning

Chad Doornbos, ACT



# Allendale Charter Township Fire Department

FIRE DEPARTMENT

FIRE CHIEF
MICHAEL KEEFE

DEPUTY CHIEF RANDY BOSCH

CAPTAIN
BUSINESS
FIRE INSPECTOR
TONY DOLCE

LIEUTENANT
TRAINING OFFICER
SCOTT HARKES

LIEUTENANT
RENTAL INSPECTOR
KYLE GARLANGER

LIEUTENANTS
WILLIAM
O'DONNELL
BRUCE NAGELKIRK
DAVE MARSHALL
STEVE WOLBRINK

SERGEANTS
CHRIS HOLMES
NICK RICHARDS
DOUG ANDERSON
JOE FLAGSTADT
TROY TELLER
ERIC BUSSCHER



Nov 20, 2023

Gregory Ransford, Planner Planning Commission 6676 Lake Michigan Drive

RE: 11500 56th Ave Allied Installations Allendale, MI 49401

#### Greg:

Site plan for 11500 56th Ave has been completed by Allendale Fire. Print has adequate fire department access. There is adequate water supply for the building projected at 12,000 sq ft. When the addition is done on the building of an additional 7,200 sq ft a fire hydrant will need to be added for the building to have adequate water supply.

Print has incorrect road names and address.

This building will have to have Automatic sprinkler systems as drawn. 903.2.9 Group S-1 An automatic sprinkler system shall be provided throughout all buildings containing a group S-1 occupancy where one of the following conditions exists:

1. A Group S-1 fire area exceeds 12,000 square feet.

All new buildings in Allendale Twp. are required by code *IFC2012 506.1* to have a Knox box installed on the building for Fire Department access.

Allendale Fire reserves the right to make additional comments as necessary.

Print Date 11/14/2023

Respectfully submitted

Capt. Tony Dolce Fire Inspector Allendale Fire Department 616-892-3116 tonydolce@allendale-twp.org



# Fresh Coast Planning

119 <sup>1</sup>/<sub>2</sub> Washington Avenue, Studio B Grand Haven, MI 49417 www.freshcoastplanning.com

Gregory L. Ransford, MPA 616-638-1240 greg@freshcoastplanning.com

**Julie Lovelace** 616-914-0922 julie@freshcoastplanning.com

Kevin Yeomans 616-821-4969 kevin@freshcoastplanning.com

Alexis Sorrell 616-773-4638 alexis@freshcoastplanning.com

# **MEMORANDUM**

To: Allendale Charter Township Planning Commission

From: Gregory L. Ransford, MPA 🕢

Date: January 10, 2024

Re: Allied Installations Site Plan Application – Preliminary Review

In accordance with Article 24 – Site Plan Review of the Allendale Charter Township Zoning Ordinance (ACTZO), attached is Site Plan application from Greg DeMott to construct a 12,000 square foot office and warehouse building with units for future tenants. The property is located at 11500 56<sup>th</sup> Avenue, parcel number 70-09-24-300-091 and is zoned Industrial.

#### **Preliminary Review Comments**

Pursuant to your longstanding direction, we reviewed the proposed site plan and related documents as a preliminary plan review. While our review was comprehensive related to the ACTZO, our notations within this memorandum are not composed of the traditional final review format (i.e. site plan review standards, inclusion of all staff recommendations and etcetera). Subsequent to our initial review, we provided our review comments to the applicant and received the attached in response. Below are our remaining observations for the Planning Commission and applicant to consider prior to final plan review as well as other relevant notations regarding the proposed.

#### **Parking**

As noted above, the applicant seeks to construct space for their business use as well as up to three future business uses. The applicant has satisfied the requirement for minimum parking for their use but may not have provided enough parking for future tenants to also occupy the building. The Planning Commission will need to discuss the parking details further with the applicant.

#### Dumpster

As you will note within the site plan materials, additional bollards are required at the rear of the enclosure. Also, the applicant has indicated that the dumpster enclosure is proposed to contain "rib siding material" to match the building. The Planning Commission will need to determine if the proposed is acceptable. Lastly, we inquired regarding the gate material but the applicant indicated that they deferred the final material selection to their architect.

## Elevations

As you will note on the elevation submission, the North elevation identifies stone veneer with a similar type of symbol. The North elevation also identifies the same material with a chair rail color along the base of the building, which conflicts with other elevations where different material is identified with the same color. While we directed the applicant to clarify this error, they deferred its expected correction to their architect, who we have not heard from as of the date of this memorandum.

In addition, we directed the applicant to provide more details regarding the proposed stone veneer and windows on the east elevation to verify compliance with the minimum requirement of 50% stone and glass (or other compliant material) adjacent to a street. We

asked for this because the elevation does not appear to meet the minimum. Similar to the labeling error, they deferred this inquiry to their architect.

Finally, while we directed the applicant to provide exterior product specification sheets for your review. They replied that they would like to "discuss" those with you.

#### Pathway

As you know, the ACTZO requires that the applicant construct pedestrian pathway along 54<sup>th</sup> Avenue unless deferment from the Planning Commission is provided. As you will note within the application materials, the applicant seeks deferment.

#### Access

As you know, the Planning Commission has the authority to require internal access drives between properties. While the applicant is not showing a continuation of Edgeway Drive on the north side of their property within the formal submission, previous documents have shown such extension to serve future lots.

#### Stormwater

Related, it is important to note that the proposed stormwater area is to be located off-site to the north. The applicant will need to provide access documents at final plan submission to illustrate legal use for stormwater and access to perform maintenance is granted on separate property.

#### **Township Department Reviews**

### Water & Sewer Department

Attached is the review letter from the Superintendent of Public Utilities, Chad Doornbos, regarding the proposed project. A number of items require correction or revision but are not expected to affect the site layout.

#### Fire Department

The Fire Department is generally satisfied with the proposed project.

#### Township Engineer

Attached is the review letter from the Township Engineer, Brant Mercer, regarding the proposed project. A number of items require correction or revision but are not expected to affect the site layout.

#### **Planning Commission Considerations**

As the Planning Commission performs their preliminary review of this request, the following warrant your review and consideration.

- The extent of parking for future tenants related to the parking spaces occupied by the business use of the applicant
- Whether the rib siding material is acceptable for the dumpster enclosure
- The dumpster enclosure gate material
- The North elevation labels for stone veneer
- East elevation material details
- The lack of product specification sheets
- Whether deferment of the 54<sup>th</sup> Avenue pedestrian pathway is appropriate and under what parameters
- Whether internal access drives and or easements should be provided to adjacent property

The application has been scheduled for preliminary review at your January 15, 2024 meeting. We expect the applicant to be in attendance. If you have any questions, please let us know.

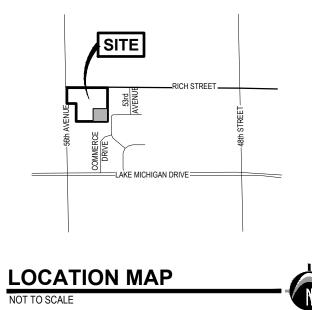
GLR Planner

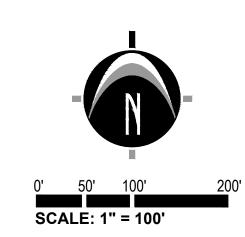
# Attachments

cc: Adam Elenbaas, Supervisor

Greg DeMott, Allied Installations







# **DESCRIPTIONS**

PART OF THE SOUTHWEST 1/4 OF SECTION 24, TOWN 7 NORTH, RANGE 14 WEST, ALLENDALE TOWNSHIP, OTTAWA COUNTY, MICHIGAN, DESCRIBED AS: COMMENCING AT THE WEST 1/4 CORNER OF SAID SECTION; THENCE S00°08'20"W 1171.74 FEET ALONG THE WEST LINE OF SAID SECTION; THENCE S88°41'31"E 959.35 FEET ALONG THE SOUTH LINE OF THE NORTH 1171.50 FEET OF THE WEST 1/2 OF THE SOUTHWEST 1/4 OF SAID SECTION TO THE POINT OF BEGINNING; THENCE N00°04'20"W 275.22 FEET; THENCE S88°41'31"E 380.11 FEET; THENCE S00°04'20"E 275.22 FEET ALONG THE EAST LINE OF THE WEST 1/2 OF THE SOUTHWEST 1/4 OF SAID SECTION; THENCE N88°41'31"W 380.11 FEET ALONG SAID SOUTH LINE TO THE POINT OF BEGINNING. CONTAINS 2.40 ACRES. SUBJECT TO EASEMENTS, RESTRICTIONS AND RIGHTS-OF-WAY OF RECORD.

PART OF THE SOUTHWEST 1/4 OF SECTION 24, TOWN 7 NORTH, RANGE 14 WEST, ALLENDALE TOWNSHIP, OTTAWA COUNTY, MICHIGAN, DESCRIBED AS: BEGINNING AT THE WEST 1/4 CORNER OF SAID SECTION; THENCE S88°41'31"E 1335.15 FEET ALONG THE EAST-WEST 1/4 LINE OF SAID SECTION; THENCE S00°04'20"E 1171.84 FEET ALONG THE EAST LINE OF THE WEST 1/2 OF THE SOUTHWEST 1/4 OF SAID SECTION; THENCE N88°40'37"W 1016.47 FEET ALONG THE SOUTH LINE OF THE NORTH 1171.50 FEET OF THE WEST 1/2 OF THE SOUTHWEST 1/4 OF SAID SECTION; THENCE N00°08'20"E 600.00 FEET; THENCE N88°41'46"W 323.00 FEET; THENCE N00°08'20"E 571.50 FEET ALONG THE WEST LINE OF SAID SECTION TO THE POINT OF BEGINNING. CONTAINS 31.51 ACRES. SUBJECT TO EASEMENTS, RESTRICTIONS AND RIGHTS-OF-WAY OF RECORD. ALSO SUBJECT TO HIGHWAY RIGHT-OF-WAY FOR 56TH AVENUE OVER THE MOST WESTERLY 33.00 FEET THEREOF AND FOR RICH STREET OVER THE

NORTHERLY MOST 33.00 FEET THEREOF.



**ANN ARBOR** CHICAGO COLUMBUS HOLLAND INDIANAPOLIS

# PREPARED FOR:

Allied Installations Inc. Greg DeMott

www.nederveld.com 800.222.1868 GRAND RAPIDS 217 Grandville Ave., Suite 302 Grand Rapids, MI 49503 Phone: 616.575.5190

PO BOX 86 Allendale, MI 49401 Phone: 616.293.5309

# **REVISIONS:**

Drawn:DAC Checked: CH Date:2024.01.03 Title: REVISED FINAL Drawn:DAC Checked: CH Date:2024.01.09

NOL

Analysis

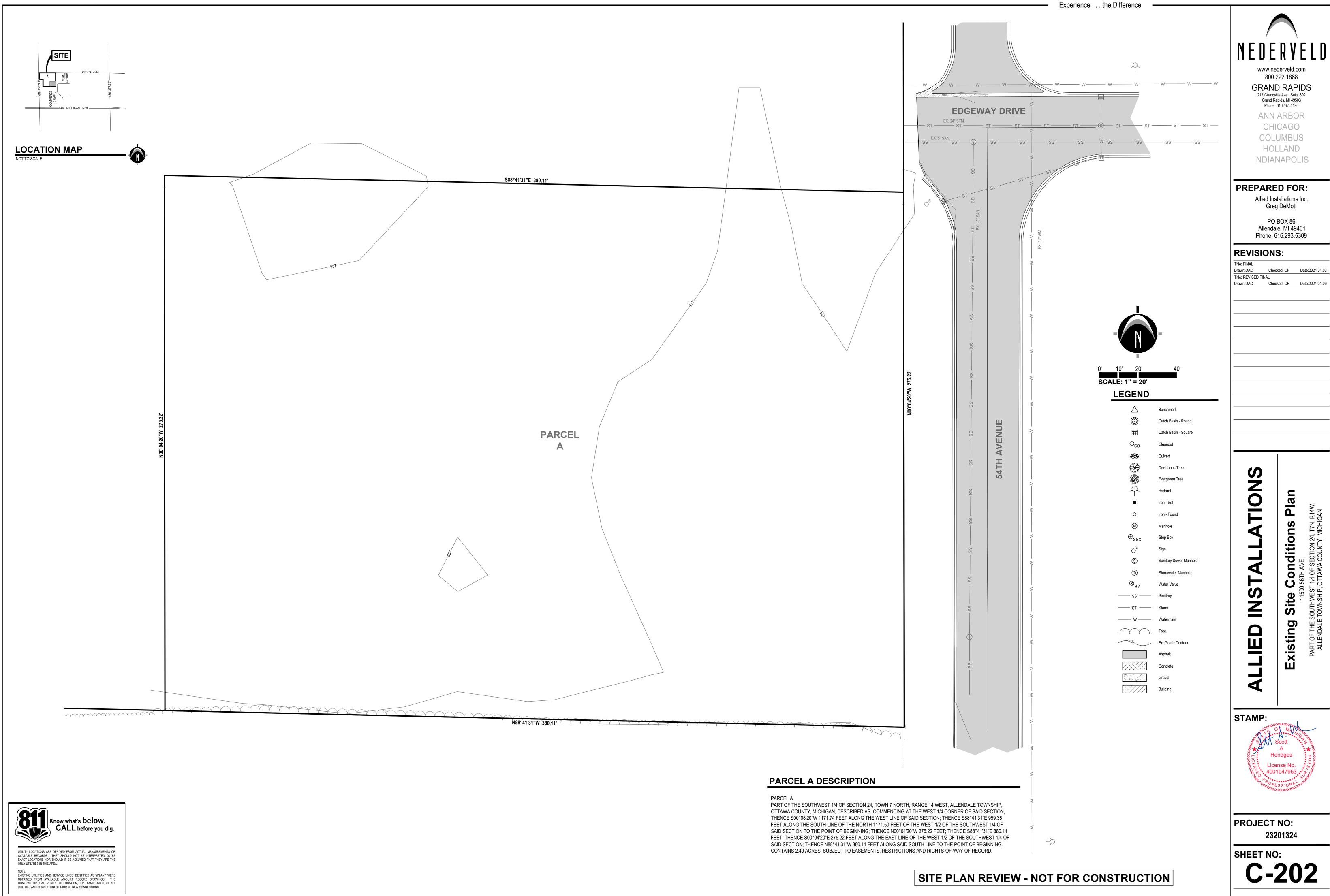
RICHARD A PULASKI License No. k 6201045117

SZ

Site

PROJECT NO: 23201324

SHEET NO:



© 2024 Nederveld, Inc.

SITE PLAN REVIEW - NOT FOR CONSTRUCTION

ONLY UTILITIES IN THIS AREA.

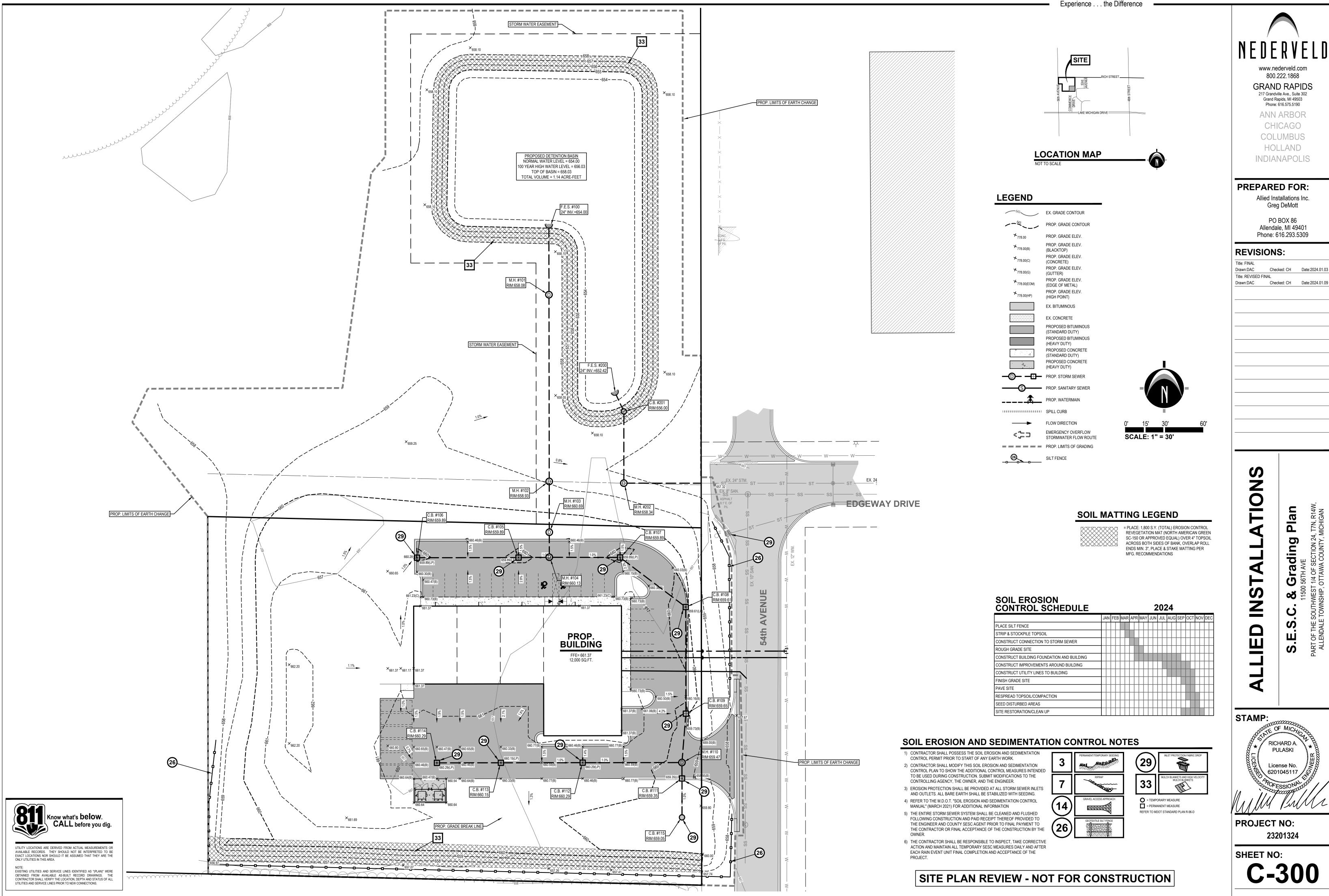
NOTE:

EXISTING UTILITIES AND SERVICE LINES IDENTIFIED AS "(PLAN)" WERE

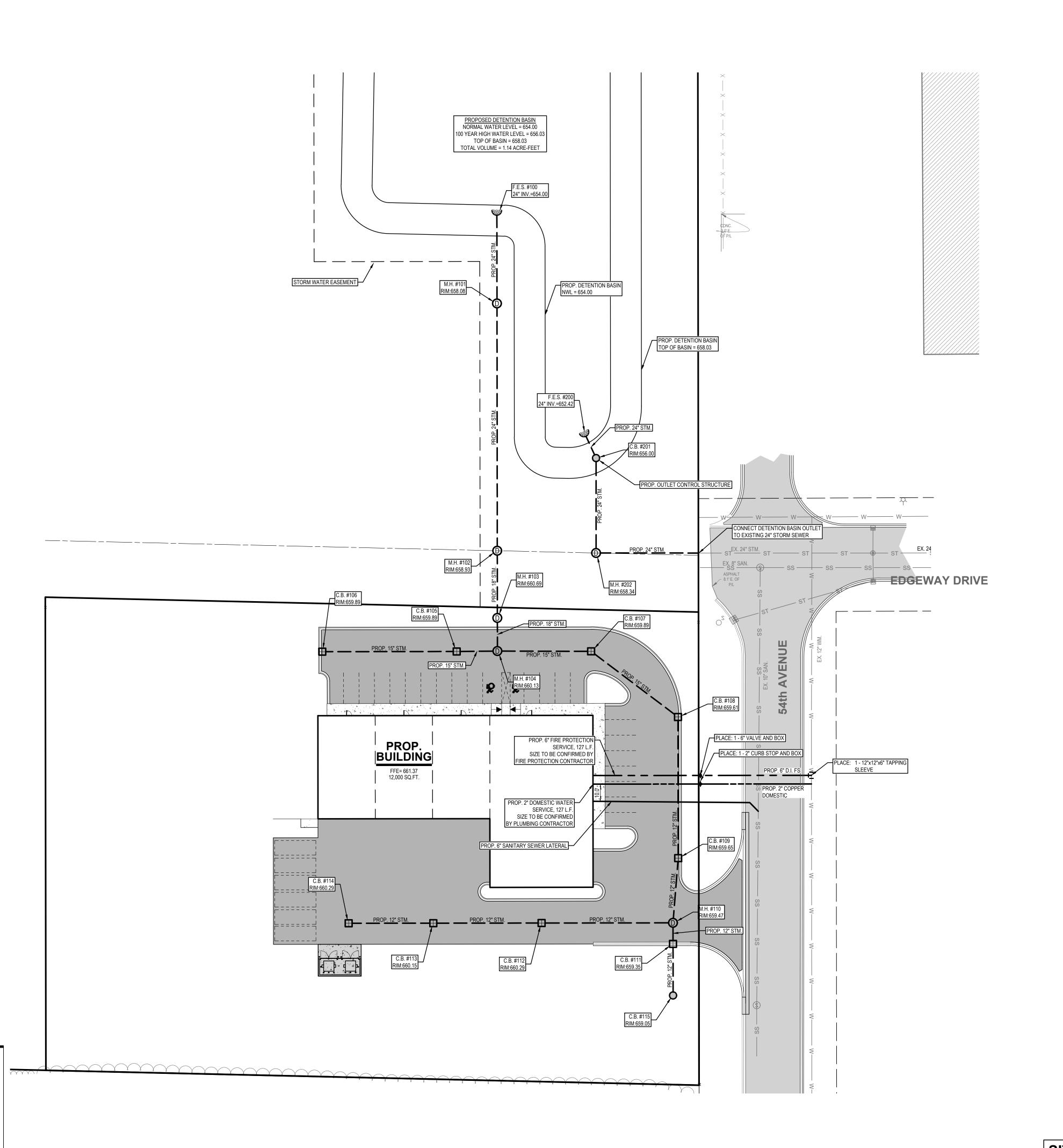
OBTAINED FROM AVAILABLE AS-BUILT RECORD DRAWINGS. THE

CONTRACTOR SHALL VERIFY THE LOCATION, DEPTH AND STATUS OF ALL

UTILITIES AND SERVICE LINES PRIOR TO NEW CONNECTIONS.



—Land Planning — Landscape Architecture — Civil Engineering — Land Surveying — High Definition Scanning — Forensic Engineering — Fire Investigation –





LOCATION MAP

NOT TO SCALE

EX. BITUMINOUS

EX. CONCRETE

PROPOSED BITUMINOUS
(STANDARD DUTY)
PROPOSED BITUMINOUS
(HEAVY DUTY)
PROPOSED CONCRETE
(STANDARD DUTY)
PROPOSED CONCRETE
(HEAVY DUTY)

0' 15' 30' 60' SCALE: 1" = 30' www.nederveld.com 800.222.1868 GRAND RAPIDS 217 Grandville Ave., Suite 302 Grand Rapids, MI 49503 Phone: 616.575.5190

ANN ARBOR
CHICAGO
COLUMBUS
HOLLAND
INDIANAPOLIS

PREPARED FOR:

Allied Installations Inc. Greg DeMott

> PO BOX 86 Allendale, MI 49401 Phone: 616.293.5309

**REVISIONS:** 

Title: FINAL
Drawn:DAC Checked: CH Date:2024.01.03
Title: REVISED FINAL
Drawn:DAC Checked: CH Date:2024.01.09

STALLATIONS

Utility Plan
11500 56TH AVE
THE SOUTHWEST 1/4 OF SECTION 24, TA

11.
PART OF THE SOUTHWE
ALLENDALE TOWNSH

STAMP:

OF MICHIGATION

RICHARD A.

PULASKI

License No.
6201045117

OFESSION

OFESSION

MANAGEMENT

MANAGEMENT

PULASKI

MANAGEMENT

MANA

PROJECT NO: 23201324

SHEET NO:

C-400

SITE PLAN REVIEW - NOT FOR CONSTRUCTION

Know what's below. CALL before you dig.

UTILITY LOCATIONS ARE DERIVED FROM ACTUAL MEASUREMENTS OR AVAILABLE RECORDS. THEY SHOULD NOT BE INTERPRETED TO BE EXACT LOCATIONS NOR SHOULD IT BE ASSUMED THAT THEY ARE THE ONLY UTILITIES IN THIS AREA.

EXISTING UTILITIES AND SERVICE LINES IDENTIFIED AS "(PLAN)" WERE

OBTAINED FROM AVAILABLE AS-BUILT RECORD DRAWINGS. THE CONTRACTOR SHALL VERIFY THE LOCATION, DEPTH AND STATUS OF ALL UTILITIES AND SERVICE LINES PRIOR TO NEW CONNECTIONS.



UTILITY LOCATIONS ARE DERIVED FROM ACTUAL MEASUREMENTS OR AVAILABLE RECORDS. THEY SHOULD NOT BE INTERPRETED TO BE EXACT LOCATIONS NOR SHOULD IT BE ASSUMED THAT THEY ARE THE ONLY UTILITIES IN THIS AREA.

COMPACTED EARTH

SUBGRADE

**SIDE VIEW** 

MDOT CLASS II SAND

- GRADE OVER

WATERMAIN

BED & BACKFILL

EXISTING UTILITIES AND SERVICE LINES IDENTIFIED AS "(PLAN)" WERE OBTAINED FROM AVAILABLE AS-BUILT RECORD DRAWINGS. THE CONTRACTOR SHALL VERIFY THE LOCATION, DEPTH AND STATUS OF ALL UTILITIES AND SERVICE LINES PRIOR TO NEW CONNECTIONS.

VVVVV

- UNDFRDRAIN -

# www.nederveld.com

800.222.1868 **GRAND RAPIDS** 217 Grandville Ave., Suite 302 Grand Rapids, MI 49503

> **ANN ARBOR** CHICAGO **COLUMBUS** HOLLAND **INDIANAPOLIS**

Phone: 616.575.5190

# PREPARED FOR:

Allied Installations Inc. Greg DeMott

> PO BOX 86 Allendale, MI 49401

Title: FINAL Drawn:DAC Checked: CH Date:2024.01.03 Title: REVISED FINAL Drawn:DAC

Phone: 616.293.5309

**REVISIONS:** 

Checked: CH Date:2024.01.09

cation

Ø

Detail

CASTING AS SPECIFIED

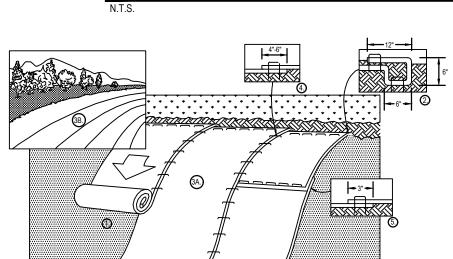
SEE PAVEMENT -

**SPECIFICATIONS** 

STORM PIPE

STRUCTURE

**TOP VIEW** 



**TEMPORARY CRUSHED** 

**ROCK TRACKING PAD** 

MIN 8" CRUSHED AGGREGATE

OVER GEOTEXTILE FABRIC

- PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" DEEP X 6" WIDE TRENCH WITH APPROXIMATELY 12" OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN THE BOTTOM OF THE TRENCH, BACKFILL AND COMPACT THE TRENCH AFTER STAPLING, APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" APART ACROSS THE WIDTH OF THE BLANKET ROLL THE BLANKETS (A.) DOWN OR (B.) HORIZONTALLY ACROSS THE SLOPE. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN
- APPROPRIATE LOCATIONS AS PER MANUFACTURES RECOMMENDATION. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 4"-6" OVERLAP DEPENDING ON BLANKET TYPE. TO ENSURE PROPER SEAM ALIGNMENT. PLACE THE EDGE OF THE OVERLAPPING BLANKET (BLANKET BEING INSTALLED ON TOP) EVEN WITH THE SEAM STITCH ON THE PREVIOUSLY INSTALLED BLANKET.

  5. CONSECUTIVE BLANKETS SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE
- 3°OVERLAP, STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12°APART ACROSS ENTIRE BLANKET WIDTH. PLACE STAPLES/STAKES PER MANUFACTURE RECOMMENDATION FOR THE APPROPRIATE SLOPE BEING APPLIED. IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" MAY BE NECESSARY TO PROPERLY SECURE THE BLANKETS.

  8. FOLLOW EROSION CONTROL TECHNOLOGY COUNCIL SPECIFICATION FOR PRODUCT SELECTION

- 2"x2" NO. 2

HARDWOOD STAKE

# **EROSION CONTROL BLANKET DETAIL**

# -4" CONCRETE PAVEMENT (STANDARD DUTY, 4,000 psi) 6" CONCRETE PAVEMENT (HÉAVY DUTY, 4,000 psi) COMPACTED SAND BASE ---- COMPACTED SUBGRADE

3" MDOT BIT. PAVING (TWO COURSES)

8" MDOT CLASS 21AA GRAVEL BASE

12" MDOT CLASS II SAND SUBBASE

1. REFER TO GEOTECHNICAL REPORT FOR FINAL PAVEMENT DESIGN SPECIFICATION

2. HMA MIXTURE TO BE TIER I OR TIER II

3. BINDER GRADE TO BE A MINIMUM OF PG 58-28

PREMODELED EXPANSION/ISOLATION -

STRIP WITH REMOVABLE TOP CAR

CONTROL JOINT

FILL WITH TRAFFIC SEALANT

STANDARD DUTY BITUMINOUS

**PAVEMENT CROSS SECTION DETAIL** 

- 2. LOCATE CONTROL JOINTS AND EXPANSION JOINTS PER ACI STANDARDS 3. PANEL SIZE SHALL NOT EXCEED 8 FEET 4. PANELS SHALL BE KEPT AS SQUARE AS POSSIBLE WITH THE LENGTH
- NEVER EXCEEDING 1.25X THE WIDTH
- 5. AIR ENTRAINMENT 7% ± 1%
- SLUMP 4"±1"

1 LIGHT BROOM FINISH

# **CONCRETE PAVEMENT DETAIL**

# < 48": 1:12 MAX. FLARED SIDES-> 48": 1:10 MAX. FLARED SIDES UNPAVED OR -LANDSCAPED AREA DUB-DOWN-**DUB-DOWN OR FLARED SIDE OPTION**

5" MDOT BIT. PAVING (TWO COURSES)

10" MDOT CLASS 21AA GRAVEL BASE

12" MDOT CLASS II SAND SUBBASE

1. REFER TO GEOTECHNICAL REPORT FOR FINAL PAVEMENT DESIGN SPECIFICATION

SEE GENERAL CONSTRUCTION

NOTE #32 ON SHEET C-500

LIGHT BROOM FINISH

5. AIR ENTRAINMENT - 7% ± 1%

INTEGRAL CURB AND WALK DETAIL

SLUMP 4"±1"

. PANEL SIZE SHALL NOT EXCEED 8 FEET

NEVER EXCEEDING 1.25X THE WIDTH

PROVIDE MINIMUM 1.0% SLOPE FROM BACK TO FRONT OF SIDEWALK (TYP)

SIDEWALK TOOLING, CONTROL

DIRECTED BY ARCHITECT

- MDOT CLASS II SAND SUBBASE (CIP)

2. LOCATE CONTROL JOINTS AND EXPANSION JOINTS PER ACI STANDARDS

4. PANELS SHALL BE KEPT AS SQUARE AS POSSIBLE WITH THE LENGTH

JOINTS AND REINFORCEMENT AS

AND/OR STRUCTURAL ENGINEER

PAVEMENT CROSS SECTION DETAIL

2. HMA MIXTURE TO BE TIER I OR TIER II

Figure 21-A

Figure 21-B

**ALLENDALE TOWNSHIP** 

ESTABLISH PERMANENT BENCH MARK ON-SITE PRIOR TO GRADING.

2. PROPOSED SPOT GRADES ARE TO EDGE OF METAL/TOP OF PAVEMENT UNLESS OTHERWISE

3. PROPOSED ADA ROUTE SHALL MEET THE STANDARDS SET FORTH IN THE MOST RECENT

EDITION OF ADA STANDARDS FOR ACCESSIBLE DESIGN - APPENDIX A TO PART 1191, AS

SEE GENERAL CONSTRUCTION -NOTE #32 ON SHEET C-500

24" CONCRETE GUTTER PAN DETAIL

ESTABLISH PERMANENT BENCH MARK ON-SITE PRIOR TO GRADING.
 PROPOSED SPOT GRADES ARE TO EDGE OF METAL/TOP OF PAVEMENT UNLESS OTHERWIS

SEE GENERAL CONSTRUCTION -

ESTABLISH PERMANENT BENCH MARK ON-SITE PRIOR TO GRADING.

4. SEE PLANS FOR LOCATIONS OF SPILL VS FLOW CURB.

2. PROPOSED SPOT GRADES ARE TO EDGE OF METAL/TOP OF PAVEMENT UNLESS OTHERWIS

EDITION OF ADA STANDARDS FOR ACCESSIBLE DESIGN - APPENDIX A TO PART 1191, AS

VARY FOR FLOW AND SPILL CURB (SEE DETAIL-THIS SHEET).

3. PROPOSED ADA ROUTE SHALL MEET THE STANDARDS SET FORTH IN THE MOST RECENT

SFF GENERAL -

24" CONCRETE CURB AND GUTTER DETAIL

CONSTRUCTION NOTE

MDOT TYPE F-4 MODIFIED

**FLOW CURB** 

#32 ON SHEET C-500

NOTED. THE VERTICAL DIFFERENCE BETWEEN PAVEMENT GRADES AND TOP OF CURB GRADES

**FLOW CURB** 

NOTE #32 ON SHEET C-500

NOTED. THE VERTICAL DIFFERENCE BETWEEN PAVEMENT GRADES AND TOP OF CURB GRADES

3. PROPOSED ADA ROUTE SHALL MEET THE STANDARDS SET FORTH IN THE MOST RECENT EDITION

24" CONCRETE ROLLED CURB DETAIL

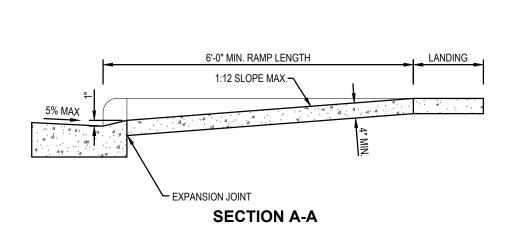
**CURB DETAILS** 

**GRADING NOTES:** 

**GRADING NOTES:** 

3. BINDER GRADE TO BE A MINIMUM OF PG 58-28

**HEAVY DUTY BITUMINOUS** 



# SIDEWALK CURB RAMP DETAIL

LOCATE CONTROL JOINTS

AND EXPANSION JOINTS

AIR ENTRAINMENT - 7% ± 1%

—EDGE OF METAL

LIGHT BROOM FINISH

4. SLUMP 4"±1"

SEE GENERAL CONSTRUCTION -

SPILL CURB

NOTE #32 ON SHEET C-500

LIGHT BROOM FINISH

4. SLUMP 4"±1"

SEE GENERAL -

CONSTRUCTION NOTE

MDOT TYPE F-4 MODIFIED

SPILL CURB

#32 ON SHEET C-500 A

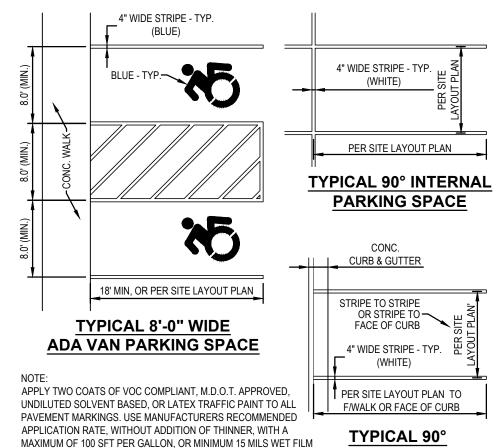
LOCATE CONTROL JOINTS

PER ACI STANDARDS

LOCATE CONTROL JOINTS

PER ACI STANDARDS

AIR ENTRAINMENT - 7% ± 1%



THICKNESS, AND 7.5 MILS DRY FILM THICKNESS PER COAT, WITH

MINIMUM 30 DAYS BETWEEN APPLICATIONS. SECOND COAT MUST

NOT BE APPLIED EARLIER THAN 7 DAYS BEFORE OCCUPANCY.

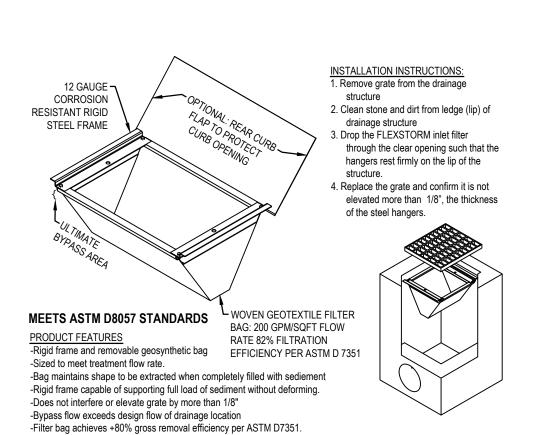
# MAXIMUM OF 100 SFT PER GALLON, OR MINIMUM 15 MILS WET FILM

PARKING SPACE

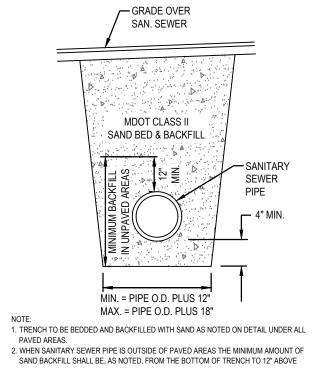
# PARKING SPACE MARKING DETAILS

30" WOOD LATH, ----¾" THICK -HEAVY DUTY STAPLES MIN. 5 PER LATH FILTER FABRIC ANCHORED -BETWEEN LATH AND STAKE ANCHOR TRENCH SHEET FLOW UNDISTURBED AREA **SECTION VIEW** UNDISTURBED AREA 2"x2" HARDWOOD STAKES DRIVEN 12" INTO GROUND FABRIC ANCHORED BY WOOD LATH STAPLED TO STAKES EXTRA STRENGTH — SYNTHETIC FILTER 6"x6" ANCHOR TRENCH **PLAN VIEW** 

# SILT FENCE DETAIL



# FLEXSTORM INLET FILTER LITE DETAIL



**UNDER DRAIN AT CURB DETAIL** 

CROWN OF STORM PIPE AND THE REMAINDER OF TRENCH BACKFILL WITH EXCAVATED

SANITARY SEWER TRENCH AND BACKFILL DETAIL

MDOT CLASS II SAND BED & BACKFILL UNDERCUT MIN. = PIPE O.D. PLUS 12" MAX. = PIPE O.D. PLUS 30" 1. TRENCH TO BE BEDDED AND BACKFILLED WITH SAND AS NOTED ON DETAIL UNDER ALL 2. WHEN STORM SEWER PIPE IS OUTSIDE OF PAVED AREAS THE MINIMUM AMOUNT OF SAND BACKFILL SHALL BE, AS NOTED, FROM THE BOTTOM OF TRENCH TO 12" ABOVE CROWN OF STORM PIPE AND THE REMAINDER OF TRENCH BACKFILL WITH EXCAVATED

- GRADE OVER

STORM SEWER

STORM SEWER TRENCH AND BACKFILL DETAIL

MDOT CLASS II SAND BED & BACKFILL MIN. = PIPE O.D. PLUS 12" MAX. = PIPE O.D. PLUS 24" 1. TRENCH TO BE BEDDED AND BACKFILLED WITH SAND AS NOTED ON DETAIL UNDER ALL 2. WHEN WATER MAIN PIPE IS OUTSIDE OF PAVED AREAS THE MINIMUM AMOUNT OF SAND BACKFILL SHALL BE, AS NOTED, FROM THE BOTTOM OF TRENCH TO 12" ABOVE CROWN OF WATERMAIN PIPE AND THE REMAINDER OF TRENCH BACKFILL WITH EXCAVATED

SEE PAVEMENT -

SPECIFICATIONS

**WATER MAIN TRENCH** AND BACKFILL DETAIL

# **CONSTRUCTION NOTES**

STORM SEWER I. ALL CATCH BASINS SHOULD BE PROVIDED WITH A MINIMUM 2' SUMP

2. ALL STORM SEWER SHALL BE SMOOTH LINED CORRUGATED POLYETHYLENE PIPE (SLCPP), WITH WATERTIGH JOINTS MEETING THE REQUIREMENTS OF THE MICHIGAN PLUMBING CODE, AASHTO M-252 AND M-294, ASTM F-2306. F-2648. D-3212. F-477. F-2487. D-3350 AND F-1417. INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS AND ASTM D-2321 OR CONCRETE PIPE MEETING THE REQUIREMENTS OF ASTM C-76-III UNLESS OTHERWISE NOTED

6" UNDERDRAIN SHALL BE PERFORATED PIPE WITH SOCK, MEETING THE REQUIREMENTS OF AASHTO M-252 AND THE GEOTEXTILE SHALL MEET AASHTO M-288 REQUIREMENTS . ALL FLARED END SECTIONS SHALL BE CONCRETE. 5. ALL CATCH BASINS AND MANHOLES SHALL BE CONCRETE, CONFORMING TO ASTM C-478 WITH BUTYL RUBBER

GASKETED JOINTS WITH BOOT TYPE PIPE CONNECTIONS CONFORMING TO ASTM C-923 FOR ALL PIPE CONNECTIONS 24" DIAMETER AND SMALLER 6. ALL CATCH BASINS ARE DRAWN AND WILL BE STAKED AT CENTER OF CASTING.

#### WATERMAIN AND SANITARY SEWER 1. ALL WATERMAIN AND SANITARY SEWER CONSTRUCTION SHALL CONFORM TO THE TOWNSHIP STANDARD

CONSTRUCTION SPECIFICATIONS, INCLUDING POST CONSTRUCTION VIDEO INSPECTION OF THE SANITARY

1. ALL CONSTRUCTION AND MATERIAL SPECIFICATIONS INCLUDED FOR THIS PROJECT SHALL BE IN ACCORDANCE WITH THE MDOT CONSTRUCTION AND MATERIALS SPECIFICATIONS (LATEST EDITION) AND THE ORDINANCES OF THE TOWNSHIP. WHERE CONFLICTS OCCUR IN THE ABOVE, THE TOWNSHIP SHALL BE THE GOVERNING

2. SOIL BORINGS HAVE BEEN PERFORMED BY THE OWNER AND SHALL BE PROVIDED TO THE CONTRACTOR. VARIATION IN EXISTING SOIL CONDITIONS MAY IMPACT THE EARTHWORK QUANTITIES IF UNUSABLE SOILS ARE ENCOUNTERED DURING CONSTRUCTION. . THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGES TO THE EXISTING WATER AND SEWAGE SYSTEM RESULTING FROM NON-CONFORMANCE WITH THE APPLICABLE STANDARDS OR THROUGH GENERAL

ALL WORK, INCLUDING INSPECTIONS AND TESTING COST REQUIRED FOR REMOVAL, RELOCATION OR NEW CONSTRUCTION FOR PRIVATE OR PUBLIC UTILITIES, WILL BE DONE BY AND AT THE EXPENSE OF THE CONTRACTOR AND INCLUDED IN THE BID PRICE FOR THE VARIOUS WORK ITEMS UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND PAYING FOR ALL NECESSARY PERMITS FROM HE TOWNSHIP AND COUNTY AND ANY OTHER AGENCY FOR ALL WORK DONE BY THE CONTRACTOR. ANY DEFECTS IN THE CONSTRUCTION, INCLUDING MATERIALS OR WORKMANSHIP, SHALL BE REPLACED OR CORRECTED BY REMOVAL AND REPLACEMENT OR OTHER APPROVED METHODS PRIOR TO ACCEPTANCE BY THE

TOWNSHIP OR OWNER WITHOUT ANY ADDITIONAL COST TO THE TOWNSHIP OR OWNER. 6. ALL LAWN AREAS REMOVED OR DISTURBED SHALL BE REPLACED WITH TOPSOIL AND SOD WHERE NEEDED AND SHALL BE RESEEDED AND MULCHED IF SATISFACTORY RE-ESTABLISHMENT OF LAWN DOES NOT OCCUR. ALL PUNCH LIST AND DEFICIENCY WORK SHALL BE COMPLETED WITHIN 1 MONTH OF THE END OF THE CONTRACTOR SHALL OBTAIN A STREET OPENING PERMIT FROM THE TOWNSHIP BEFORE BEGINNING WORK

WITHIN ANY PUBLIC STREET RIGHT-OF-WAY. THE CONTRACTOR SHALL MAINTAIN A CURRENT SET OF CONSTRUCTION DRAWINGS ON SITE AT ALL TIMES. D. THESE PLANS HAVE BEEN DEVELOPED FOR ELECTRONIC FIELD LAYOUT. DIMENSIONS SHOWN ARE FOR GRAPHIC PRESENTATION ONLY AND SHOULD NOT BE USED FOR LAYOUT. CONTACT THE ENGINEER IF ANY ISCREPANCIES BETWEEN THE PLAN AND ELECTRONIC DATA ARE DISCOVERE THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY LIGHTS. BARRICADES. FLAGMEN. ETC. AS REQUIRED TO PERFORM THE

REQUIRED WORK. THE INSTALLATION AND OPERATION OF ALL TEMPORARY TRAFFIC CONTROL AND TEMPORARY TRAFFIC CONTROL DEVICES AS REQUIRED SHALL BE PROVIDED BY THE CONTRACTOR WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS. THE CONTRACTOR SHALL FURNISH, ERECT, MAINTAIN AND SUBSEQUENTLY REMOVE SUCH ADDITIONAL TRAFFIC CONTROL DEVICES LOCATED OUTSIDE THE LIMITS OF CONSTRUCTION AS ARE REQUIRED ON THOSE STREETS WHICH ARE USED AS DETOURS, INCLUDING "ROAD CLOSED" SIGNS AND BARRICADES AT THE POINT WHERE THE ROAD IS CLOSED TO THROUGH TRAFFIC.

THE CONTRACTOR SHALL PROTECT LOCATION OF ALL PROPERTY PINS AND BENCHMARKS ALL WORK CONTEMPLATED SHALL AT ALL TIMES BE SUBJECT TO THE DIRECT INSPECTION OF THE TOWNSHIP, OWNER AND THEIR REPRESENTATIVES. THE TOWNSHIP AND OWNER RESERVES THE RIGHT TO HALT ALL CONSTRUCTION ACTIVITY FOR NONCONFORMANCE OF PLANS, SPECIFICATIONS AND OTHER APPLICABLE STANDARDS OR REGULATIONS

PRICES BID PER FOOT FOR ALL PIPES IS COMPACTED IN PLACE REGARDLESS OF SOIL OR ROCK CONDITIONS CONTRACTOR IS RESPONSIBLE FOR ALL SIGNS, BARRICADES AND SAFETY FENCES TO DETER PEOPLE FROM ENTERING THE WORK AREA AND FOR MAINTAINING AND PROTECTING THE FLOW OF VEHICULAR AND PEDESTRIAN TRAFFIC AROUND THE JOB SITE. TRAFFIC CONTROLS SHALL BE COORDINATED WITH THE POLICE DEPARTMENT AND THE TOWNSHIP. PRIOR TO ANY CONSTRUCTION OR GRADING, A PROTECTIVE BARRIER, FENCE, POST AND/OR SIGNS CLEARL' INDICATING LIMITS OF WORK/DISTURBANCE SHALL BE INSTALLED INDICATING NO TREE REMOVAL OR DISTURBANCES OUTSIDE LIMITS, THE TOWNSHIP AND OWNER SHALL BE CONTACTED UPON DETERMINATION OF

17. ALL ROAD SURFACES, EASEMENTS OR RIGHT-OF-WAYS DISTURBED BY CONSTRUCTION OF ANY PART OF THIS IMPROVEMENT ARE TO BE RESTORED COMPLETELY TO THE SATISFACTION OF THE TOWNSHIP AND THE OWNER. 18. NO PARKING OF CONTRACTOR OR CONTRACTOR EMPLOYEE'S VEHICLES ON ANY PUBLIC STREETS SHALL BE PERMITTED.

19. ALL DISTURBED SIGNS, GUARDRAILS, MAIL BOXES, AND DRIVEWAYS SHALL BE REPAIRED OR REPLACED AS DIRECTED BY THE TOWNSHIP AND THE OWNER. 20. DUST CONTROL: THE CONTRACTOR SHALL SUPPLY ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY SUCH AS CALCIUM CHLORIDE, WATER OR A MOTORIZED DUST-FREE STREET SWEEPING DEVICE TO MAINTAIN ALL ROADWAYS BEING USED FOR ACCESS TO THE CONSTRUCTION SITE AND SHALL ADHERE TO ALL ORDINANCES OF THE TOWNSHIP, COUNTY, MDEQ OR ANY OTHER GOVERNING AUTHORITY.

ALL SEWERS, MANHOLES, JUNCTION CHAMBERS AND INLET BASINS MUST BE CLEANED BEFORE ACCEPTANCE . IF MUD, SOIL OR OTHER DEBRIS IS DEPOSITED ON ADJACENT STREETS, ROADS OR OTHER PROPERTY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF SUCH AT THE END OF EACH WORK DAY OR AS REQUIRED DURING THE WORK DAY.

ADJUST TO GRADE OR RECONSTRUCT TO GRADE WORK SHALL INCLUDE THE REMOVAL AND REPLACEMENT OF ANY EXISTING CONCRETE BLOCKOUT PAVEMENT. DAMAGED PAVEMENT DOWELS OR OTHER SUCH LOAD TRANSFERS DEVICES SHALL BE REPLACED AS DIRECTED BY THE COUNTY AND THE ENGINEER. ALL EXISTING CASTINGS FOR STRUCTURES TO BE ADJUSTED OR RECONSTRUCTED TO GRADE SHALL BE FIELD

CHECKED AT THE TIME OF CONSTRUCTION AND MARKED SUITABLE FOR SALVAGE AND REUSE OR REPLACED. COMPACTED PREMIUM BACKFILL (MDOT CLASS II SAND) WILL BE REQUIRED AT ALL FILL AREAS OR ANY STREETS WHERE REMOVAL AND REPLACEMENT OF PAVEMENT IS REQUIRED AND FOR ALL UNDERGROUND CONSTRUCTION UNDER ANY DRIVEWAY OR PAVEMENT INCLUDING THE 45 DEGREE ANGLE OF INFLUENCE FROM THE OUTSIDE EDGE OF PAVEMENT OR TOP OF CURB. COMPACTION TESTS SHALL BE REQUIRED EVERY 50 FEET  ${\tt UNDER\ PAVEMENT.\ PAVEMENT\ INCLUDES,\ BUT\ NOT\ LIMITED\ TO,\ ROADWAY\ SURFACES,\ SIDEWALKS,\ BIKE\ WAYS,}$ 

DRIVEWAYS, SHOULDERS, BUILDINGS, ETC. NO BUILDING MATERIAL, EQUIPMENT, VEHICLES OR CHEMICALS SHALL BE STORED OR PLACED OUTSIDE LIMITS OF WORK/DISTURBANCE. STORMWATER POLLUTION PREVENTION ITEMS SHALL BE IN PLACE PRIOR TO COMMENCING CLEARING

OPERATIONS, EARTHWORK GRADING, OR ANY OTHER TYPE OF CONSTRUCTION ACTIVITY. ROOF DRAINS, FOUNDATION DRAINS AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER ARE . CONSTRUCTION NOISE SHALL BE KEPT TO A MINIMUM DURING NIGHTTIME HOURS AND MUST COMPLY WITH

MUNICIPAL CODE REQUIREMENTS. ALL TREES WITHIN THE GRADING LIMITS SHALL BE REMOVED UNLESS OTHERWISE NOTED CONTRACTOR TO FIELD VERIFY AND SCOPE EXISTING SANITARY SEWER LATERAL TO CONFIRM ELEVATION,

SLOPE, CONDITION AND PHYSICAL CONNECTION TO PUBLIC SANITARY SEWER MAIN PRIOR TO CONNECTION OF NEW LATERAL SERVICE. 32. ALL CONCRETE PAVEMENT OR CURB EDGES AT HOT MIX ASPHALT JOINTS SHALL BE IMMEDIATELY SEALED AFTER PAVING WITH A SUITABLE RUBBERIZED ASPHALT SEALANT PER MDOT STANDARD CONSTRUCTION

SPECIFICATIONS SECTION 502 ALL SITE WORK INCLUDING BUILDING PAD AND SITE PREPARATION, FOUNDATIONS, FLOORS, RETAINING WALLS EXCAVATIONS, FILL PLACEMENT, UNSUITABLE SOIL EXCAVATION AND BACKFILL, GROUNDWATER MANAGEMENT ASPHALT PAVEMENT, CONCRETE PAVEMENT AND QUALITY CONTROL TESTING SHALL COMPLY WITH THE REPORT OF GEOTECHNICAL INVESTIGATION FOR 11500 56TH AVENUE PREPARED BY SOILS AND STRUCTURES

RICHARD A PULASKI License No. 6201045117

**PROJECT NO:** 23201324

—Land Planning — Landscape Architecture — Civil Engineering — Land Surveying — High Definition Scanning — Forensic Engineering — Fire Investigation –



UTILITY LOCATIONS ARE DERIVED FROM ACTUAL MEASUREMENTS OR AVAILABLE RECORDS. THEY SHOULD NOT BE INTERPRETED TO BE EXACT LOCATIONS NOR SHOULD IT BE ASSUMED THAT THEY ARE THE ONLY UTILITIES IN THIS AREA.

> DECK FACING PROVIDED BY GATE MANUFACTURER,

RIB SIDING MATERIALS TO MATCH PROPOSED BUILDING

NOTE:
EXISTING UTILITIES AND SERVICE LINES IDENTIFIED AS "(PLAN)" WERE
OBTAINED FROM AVAILABLE AS-BUILT RECORD DRAWINGS. THE
CONTRACTOR SHALL VERIFY THE LOCATION, DEPTH AND STATUS OF ALL
UTILITIES AND SERVICE LINES PRIOR TO NEW CONNECTIONS.

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ANN ARBOR CHICAGO COLUMBUS HOLLAND INDIANAPOLIS

# PREPARED FOR:

Allied Installations Inc. Greg DeMott

PO BOX 86 Allendale, MI 49401 Phone: 616.293.5309

# **REVISIONS:**

Title: FINAL Drawn:DAC Checked: CH Date:2024.01.03 Title: REVISED FINAL

Drawn:DAC Checked: CH Date:2024.01.09

**ATIONS** 

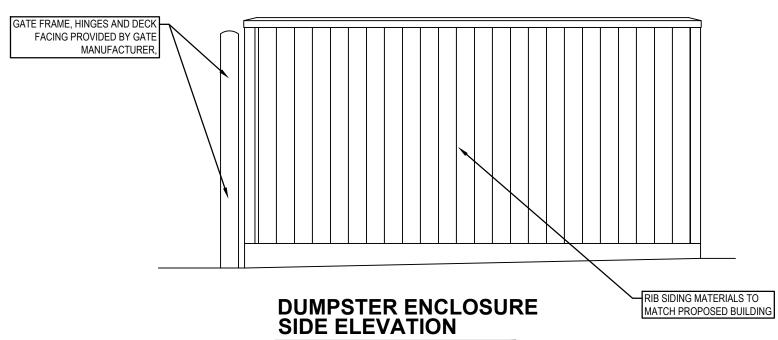
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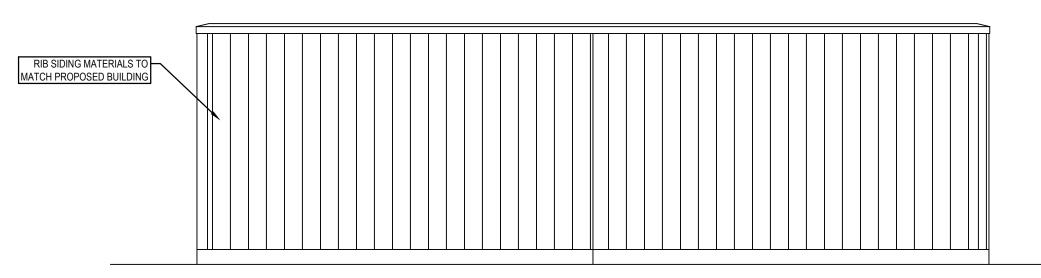
**DUMPSTER** 

# DUMPSTER ENCLOSURE SIDE ELEVATION



DUMPSTER ENCLOSURE FRONT ELEVATION

SCALE: 3/8" = 1'-0"



DUMPSTER ENCLOSURE REAR ELEVATION

**DUMPSTER ENCLOSURE PLAN** 

RIB SIDING MATERIALS TO

MASONRY WALL

BASIS OF DESIGN (DUMPSTER): WASTEQUIP ACCURATE 10 YARD CONTAINER

MATCH PROPOSED BUILDING

GATE FRAME, HINGES AND DECK FACING

RIB SIDING MATERIALS TO MATCH PROPOSED BUILDING

PROVIDED BY GATE MANUFACTURER,

(4) 6" DIA. STEEL BOLLARDS FILLED WITH CONCRETE WITH DOMED TOP. PAINT PEX-5 (SAFETY YELLOW). 4'-0"

HIGH, EMBED 3'-0" MIN. IN 12" DIAMETER CONCRETE

BASIS OF DESIGN (DUMPSTER):

WASTEQUIP ACCURATE 10 YARD CONTAINER

MATERIALS TO MATCH PROPOSED BUILDING FOOTING TO FROST DEPTH

STAMP:

PROJECT NO: 23201324

SHEET NO:

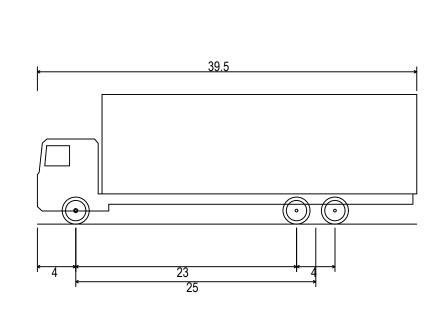
BUILDING EXPANSION

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BUILDING EXPANSION

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DATE OF THE PROPR



SU-40 - Single Unit Truck Overall Length Overall Width Overall Body Height Min Body Ground Clearance Track Width Lock-to-lock time Max Steering Angle (Virtual) 39.500ft 8.000ft 13.500ft 1.367ft 8.000ft 5.00s 31.80°

PROPOSED CONCRETE (STANDARD DUTY)

ALLIED INSTALLATIONS

Navigation

Vehicle

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Greg DeMott

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OF MICHICAN

RICHARD A.

PULASKI

License No.
6201045117

OFESSION

ADDED

ADD

PROJECT NO: 23201324

SHEET NO:

C-900

SITE PLAN REVIEW - NOT FOR CONSTRUCTION

—Land Planning — Landscape Architecture — Civil Engineering — Land Surveying — High Definition Scanning — Forensic Engineering — Fire Investigation –

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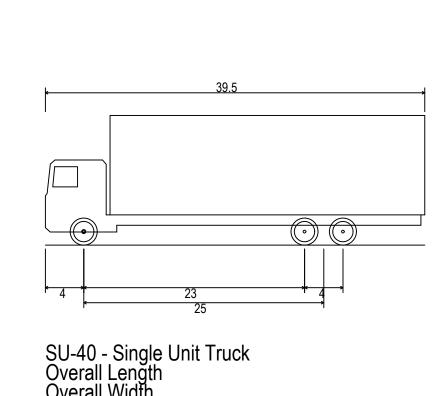
UTILITIES AND SERVICE LINES PRIOR TO NEW CONNECTIONS.

**VEHICLE NAVIGATION** 

SU-40 ENTERING FROM NORTH, ACCESSING EAST OHD

VEHICLE NAVIGATION SU-40 ENTERING FROM SOUTH, ACCESSING EAST OHD

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SU-40 - Single Unit Truck Overall Length Overall Width Overall Body Height Min Body Ground Clearance Track Width Lock-to-lock time Max Steering Angle (Virtual)

39.500ft 8.000ft 13.500ft 1.367ft 8.000ft 5.00s 31.80° ALLIED INSTALLATIONS

Navigation OF STH AVE

Vehicle

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RICHARD A.

PULASKI

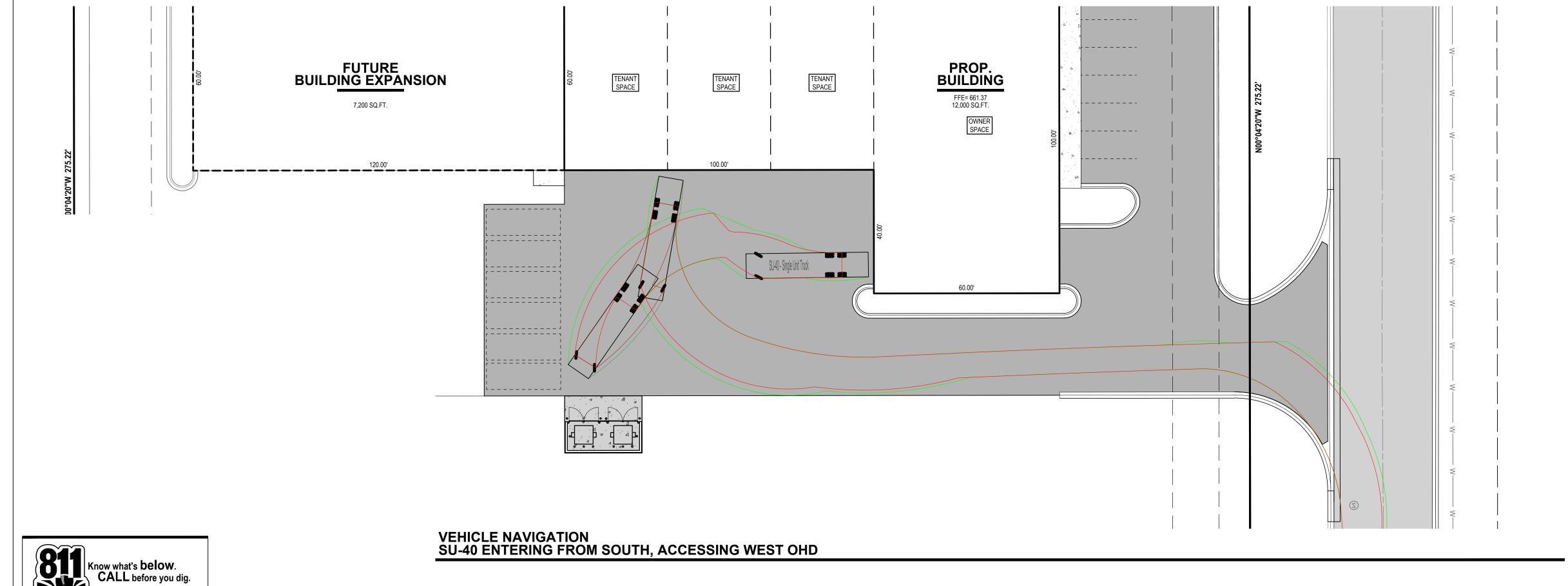
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PROJECT NO: 23201324

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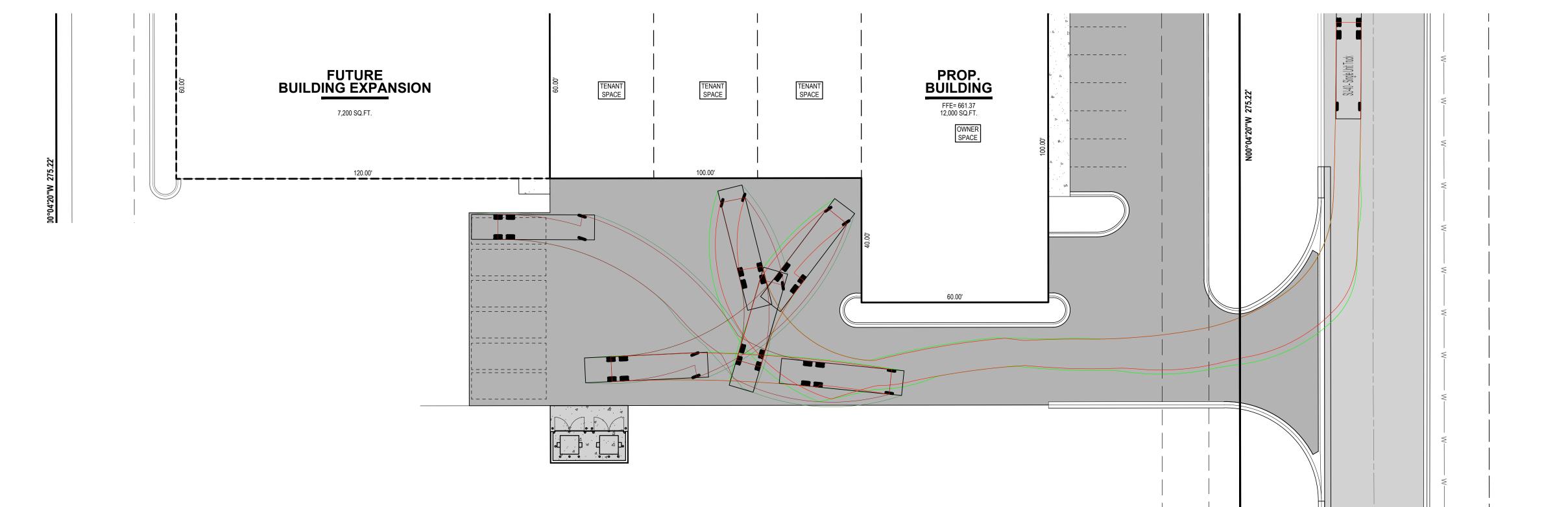
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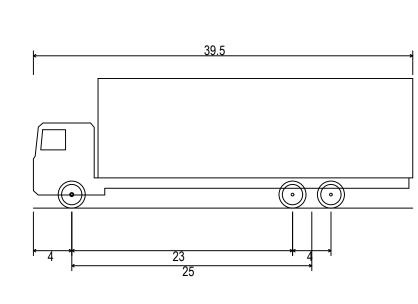
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**VEHICLE NAVIGATION** SU-40 ENTERING FROM NORTH, ACCESSING WEST PARKING

VEHICLE NAVIGATION SU-40 ENTERING FROM NORTH, ACCESSING WEST PARKING





SU-40 - Single Unit Truck Overall Length Overall Width Overall Body Height Min Body Ground Clearance Track Width Lock-to-lock time Max Steering Angle (Virtual)

39.500ft 8.000ft 13.500ft 1.367ft 8.000ft 5.00s 31.80°

SCALE: 1" = 20'

**EXISTING BITUMINOUS** 

EXISTING CONCRETE PROPOSED BITUMINOUS (STANDARD DUTY) PROPOSED CONCRETE (STANDARD DUTY)

**LEGEND** 

INSTAL

**ATIONS** 

Navigation

Vehicle

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RICHARD A PULASKI

PROJECT NO: 23201324

SHEET NO:

SITE PLAN REVIEW - NOT FOR CONSTRUCTION

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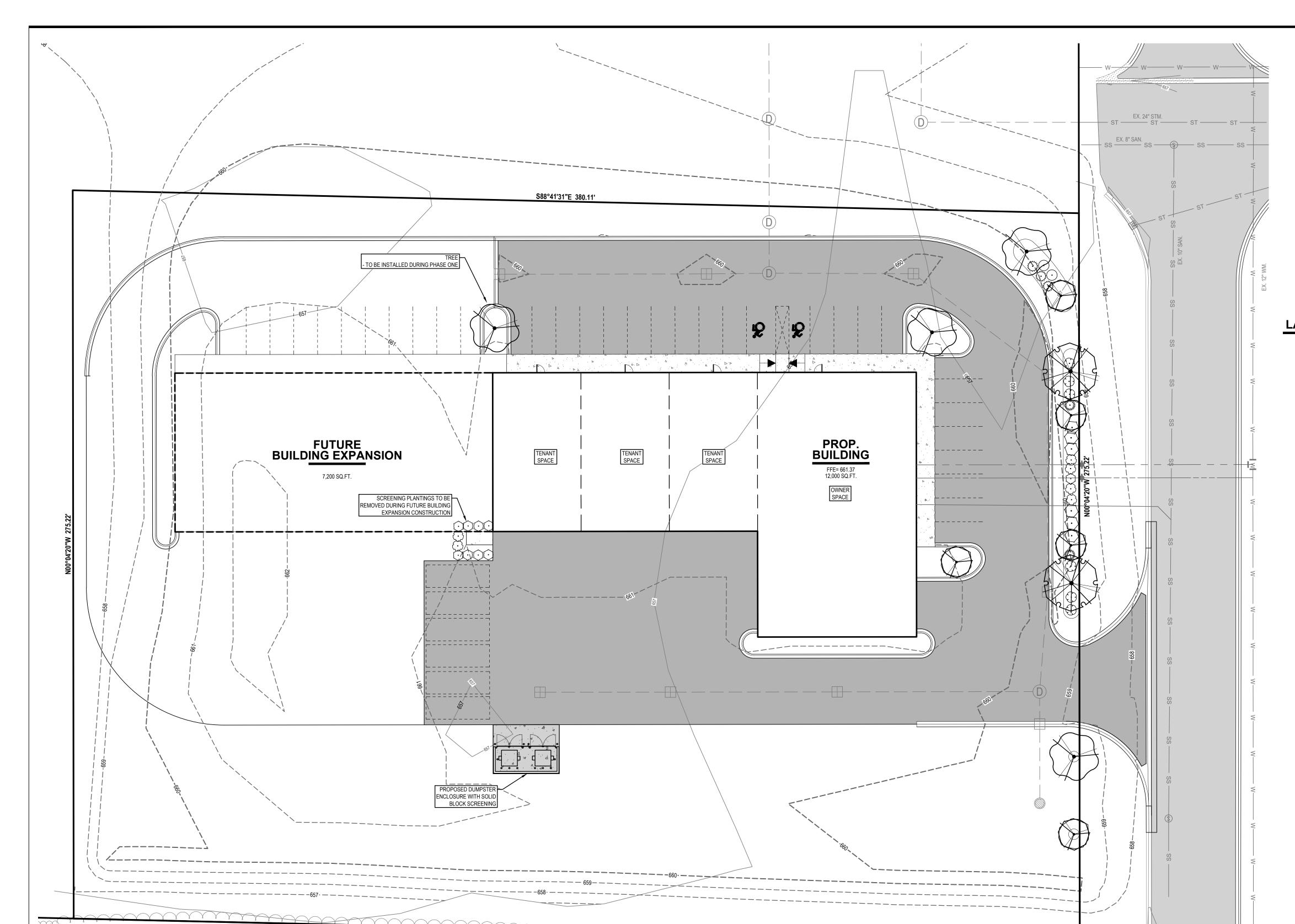
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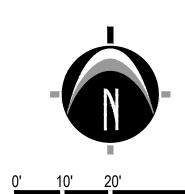
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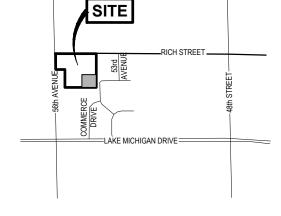
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UTILITIES AND SERVICE LINES PRIOR TO NEW CONNECTIONS.





SCALE: 1" = 20'



# LANDSCAPE SCHEDULE

SYMBOL	CODE	BOTANICAL NAME	COMMON NAME	SIZE	(
TREES					
	Ag2	Amelanchier 'Autumn Brilliance'	Autumn Brilliance Serviceberry	1.75" cal.	į
	Cf	Carpinus betulus 'Fastigiata'	Pyramidal European Hornbean	2.5" cal.	4
2 2	Tb	Tilia americana 'Boulevard'	Boulevard American Linden	2.5" cal.	2
<u>SHRUBS</u>					
$\langle \cdot \rangle$	Cg	Chamaecyparis pisifera 'Golden Mop'	Golden Mop Cypress	5 gal.	6
$\odot$	HI	Hydrangea paniculata 'SMHPLQF'	Little Quick Fire® Hydrangea	5 gal.	6
$\odot$	Hm	Hydrangea quercifolia 'Munchkin'	Munchkin Oakleaf Hydrangea	5 gal.	2
$\odot$	Ic	llex x meserveae 'Heckenstar'	Castle Wall® Holly	5 gal.	ę
$\bigcirc$	lx	llex x meserveae 'SMNIFA'	Castle Keep® Blue Holly	5 gal.	6
	Pm	Pinus mugo	Mugo Pine	5 gal.	2

# LANDSCAPE NOTES

- 1) ALL PLANT MATERIAL SHALL BE LOCALLY NURSERY GROWN NO.1 GRADE AND INSTALLED ACCORDING TO ACCEPTED PLANTING PROCEDURES. ALL PLANT MATERIALS SHALL MEET CURRENT AMERICAN ASSOCIATION OF NURSERYMEN STANDARDS. DO NOT PLANT MATERIALS UNTIL DIRECTED BY OWNER, LANDSCAPE ARCHITECT, AND/OR CONSTRUCTION MANAGER. THE LANDSCAPE ARCHITECT RESERVES THE RIGHT TO REJECT ANY PLANT MATERIAL, FOR ANY REASON BEFORE OR AFTER IT IS INSTALLED.
- 2) SIZES SPECIFIED ARE MINIMUM SIZES TO WHICH THE PLANTS ARE TO BE INSTALLED.
- 4) MAINTENANCE OF LANDSCAPING ITEMS, TREES, AND PLANTS SHALL BE PERFORMED BY THE PROPERTY OWNER OR A QUALIFIED PROFESSIONAL. ALL LANDSCAPING SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH APPLICABLE MUNICIPAL STANDARDS AND IN ACCORDANCE WITH CURRENT INDUSTRY STANDARDS IN A NEAT, HEALTHY AND WEED FREE CONDITION. ANY DEAD, DISEASED OR DAMAGED PLANT MATERIALS ARE TO BE REPLACED IMMEDIATELY AFTER NOTIFIED TO
- SHRUBS AT THE SAME GRADE LEVEL AT WHICH THEY WERE GROWN AT THE NURSERY. IF HEAVY CLAY SOILS ARE EVIDENT, PLANT TREES AND SHRUBS HIGHER, APRROX. 1/4 OF THE ROOT BALL ABOVE GRADE, AND BACKFILL TO TOP OF ROOT BALL. 6) REMOVE ALL TWINE, WIRE, NURSERY TREE GUARDS, TAGS AND INORGANIC MATERIAL FROM ROOT BALLS. REMOVE THE TOP
- 7) FINELY SHREDDED HARDWOOD BARK MULCH, NATURAL COLOR (NON-COLORED), IS REQUIRED FOR ALL PLANTINGS AND PLANTING BEDS. MULCH PER PLANTING DETAILS. MULCH IN PLANT BEDS SHALL BE 3" THICK AT TIME OF INSPECTION AND AFTER COMPACTED BY RAIN OR IRRIGATION. ALL PLANTING BEDS SHALL BE EDGED WITH 6" X 12 GAUGE STEEL LANDSCAPE
- 8) LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION OF ALL UNDERGROUND AND OVERHEAD
- 1) WHEREVER GROUND IN ITS NATURAL STATE HAS BEEN DISTURBED, APPROVED LANDSCAPING OR GRASS SHALL BE FULLY INSTALLED, AND ESTABLISHED WITHIN A REASONABLE PERIOD OF TIME, BUT NO LONGER THAN ONE GROWING SEASON
- 2) DURING EXCAVATION, GRADING, AND INSTALLATION OF REQUIRED LANDSCAPING, ALL SOIL EROSION AND SEDIMENTATION
- CONTROL REGULATIONS SHALL BE STRICTLY FOLLOWED AND COMPLIED WITH.
- SCREENED, FRIABLE TOPSOIL FREE OF STONES 1/2" IN DIA. AND LARGER, ROOTS, STICKS, OR OTHER EXTRANEOUS MATERIAL INCLUDING NOXIOUS PLANTS. PH BETWEEN 6.0 AND 6.5, SALTS 500 PARTS PPM, ORGANIC CONTENT 3% MIN. DO NOT INSTALL TOPSOIL UNTIL APPROVED BY OWNER/C.M.. TOPSOIL SHALL BE FINE GRADED TO A SMOOTH FINISH, FREE OF LUMPS AND DEPRESSIONS.

1) ALL PLANTING AREAS, LAWN AREAS AND LANDSCAPE ISLANDS SHOWN ARE TO HAVE A COMPLETE IRRIGATION SYSTEM. THE G.C. SHALL BE RESPONSIBLE FOR RETAINING A QUALIFIED FIRM FOR THE DESIGN OF THE IRRIGATION SYSTEM. THE DESIGN MUST SHOW HOW THE SYSTEM TIES INTO THE BUILDING AND MUST SHOW ALL OF THE NECESSARY EQUIPMENT FOR A COMPLETE SYSTEM. THE G.C. SHALL SUBMIT THE IRRIGATION SYSTEM DESIGN TO THE ARCHITECT/OWNER FOR APPROVAL PRIOR TO COMMENCEMENT OF WORK.

# **PLANTING NOTES:**

- THIS PLAN WAS CREATED BY DUSTIN CORR, A LICENSED LANDSCAPE ARCHITECT, AND IS HEREBY CERTIFIED AS BEING IN ACCORDANCE WITH THE ORDINANCE SUBSECTION. ADDRESS: 217 GRANDVILLE AVE SW STE. 302, GRAND RAPIDS, MI 49503
- 3) ANY PLANT SUBSTITUTIONS SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT.
- 5) PLANT TREES AND SHRUBS IN ACCORDANCE WITH PLANTING DETAILS. DIG TREE PITS PER DETAILS. PLANT TREES AND
- 1/3 OF BURLAP FROM EARTH BALLS AND REMOVE BURLAP FROM AROUND TRUNK.
- UTILITIES. IF A CONFLICT WITH UTILITIES EXIST, NOTIFY OWNER/CONSTRUCTION MANAGER PRIOR TO PLANTING. 9) PLANT MATERIAL SHALL BE GUARANTEED FOR ONE YEAR AFTER PLANTING AND ACCEPTANCE.

# **TOPSOIL AND SEED NOTES:**

FOR MULTI-STEMMED TREE

STEMS/BRANCHES TOGETHER

PLANTING, TIE ALL MAJOR

WITH WIRE (USE RUBBER

HOSE TO PROTECT EACH

STEM/BRANCH FROM THE

— 3" SHREDDED

ROPES AT TOP OF BALL SHALL BE

CUT. REMOVE TOP 1/3 OF BURLAP;

NON-BIODEGRADABLE MATERIAL

SHALL BE TOTALLY REMOVED

TREE PITS SHALL BE A MINIMUM OF 2 TIMES THE

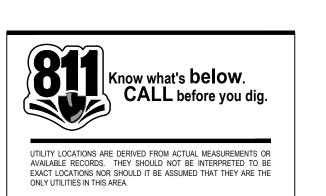
DIAMETER OF THE TREE BALL/CONTAINER, WITH

THREE TO FOUR TIMES THE DIAMETER

RECOMMENDED.

— KEEP MULCH AWAY

- (UNLESS OTHERWISE NOTED AND APPROVED).
- 3) ALL LAWN AREAS SHALL BE HYDROSEEDED. SEED SHALL BE INSTALLED ON TOPSOIL UNLESS APPROVED OTHERWISE. DO NOT SEED UNTIL ACCEPTANCE OF FINISH GRADE. 4) SEED SHALL BE INSTALLED ON A MIN. OF 3".4" OF LIGHTLY COMPACTED APPROVED TOPSOIL. TOPSOIL SHALL BE FERTILE,
- 5) ALL LANDSCAPE ISLANDS WITHIN PARKING LOTS SHALL BE BACK FILLED WITH TOPSOIL TO A DEPTH OF 18" MIN.



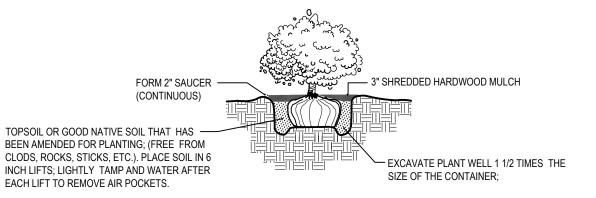
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# LANDSCAPE CALCULATIONS

	PLANTING REQUIREMENTS	APPLICABLE AREA	PLANTINGS REQUIRED	PLANTINGS PROVIDED
FRONT YARD LANDSCAPING (SEC. 21A.04.F)	2 DECIDUOUS TREES, 2 ORNAMENTAL TRESS, AND 3 SHRUBS FOR EACH 150' OF FRONTAGE	275.22' OF FRONTAGE	275.22 / 150 = 1.8 4 DECIDUOUS TREES, 4 ORNAMENTAL TREES, AND 6 SHRUBS REQUIRED	4 DECIDUOUS TREES, 4 ORNAMENTAL TREES, AND 24 SHRUBS PROVIDED
PARKING LOT LANDSCAPE (SEC. 21A.04.G)	20 SQ.FT. OF LANDSCAPE PER PARKING SPACE, ONE TREE PER EVERY 20 PARKING SPACES (MIN 2 TREES)	35 PARKING SPACES PROPOSED	2 TREES AND 700 SQFT OF LANDSCAPE BED REQUIRED	2 TREES, 600 SQ.FT. OF INTERNAL PARKING ISLAND, AND 930 SQ.FT. OF EXTERNAL LANDSCAPE PROVIDED
PARKING LOT LANDSCAPE SCREEN (SEC. 21A.04.G.2)	A CONTINUOUS LANDSCAPE HEDGE 3' IN HEIGHT ALONG FRONT YARD PARKING	73' OF FRONT YARD PARKING	73' OF CONTINUOUS LANDSCAPE HEDGE REQUIRED	73' OF CONTINUOUS LANDSCAPE HEDGE PROVIDED



TYPICAL SHRUB / PERENNIAL / ORNAMENTAL GRASS PLANTING DETAIL

2 STRAND TWISTED 12 GAUGE GALVANIZED

(RUBBER HOSE AT BARK - TYP.) WIRE SHALL

TRUNK TO SWAY SLIGHTLY, WHILE KEEPING

THE ROOT SYSTEM STABILIZED. WHITE ——

(3) 2 INCH X 2 INCH HARDWOOD STAKES —

DRIVEN (MIN. 18") FIRMLY INTO SUBGRADE

FORM SAUCER OUT OF PREPARED SOIL —

GOOD NATIVE SOIL OR TOPSOIL; (FREE FROM

CLODS, ROCKS, STICKS, ETC.) PLACE SOIL IN

6 INCH LIFTS; LIGHTLY TAMP AND WATER —

AFTER EACH LIFT TO REMOVE AIR POCKETS

**TYPICAL TREE PLANTING DETAIL** 

PLACE ROOTBALL ON UNDISTURBED -

PEDESTAL TO PREVENT SETTLING.

PLANT SO THAT TOP OF ROOT BALL

IS EVEN WITH THE FINISHED GRADE

WIRE ENCASED IN 1" DIA. RUBBER HOSE

HAVE SOME SLACK IN IT TO ALLOW THE

FLAG EACH GUY WIRE TO INCREASE

NECESSARY, STAKE ABOVE FIRST

BRANCHES FOR FIRM SUPPORT

PRIOR TO BACKFILLING

(6 INCH MIN.)- TAMPED

—Land Planning — Landscape Architecture — Civil Engineering — Land Surveying — High Definition Scanning — Forensic Engineering — Fire Investigation –

# 800.222.1868

**GRAND RAPIDS** 217 Grandville Ave., Suite 302 Grand Rapids, MI 49503 Phone: 616.575.5190 **ANN ARBOR** 

CHICAGO

COLUMBUS

**LOCATION MAP** 

HOLLAND INDIANAPOLIS

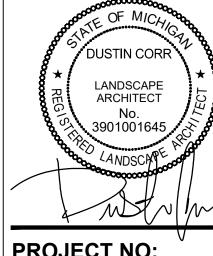
> PREPARED FOR: Allied Installations Inc.

> > PO BOX 86 Allendale, MI 49401

Greg DeMott

Phone: 616.293.5309 **REVISIONS:** Drawn:DAC Title: REVISED FINAL Drawn:DAC Checked: CH Date:2024.01.09

LANDSCAPE ARCHITECT



PROJECT NO: 23201324

SHEET NO:

# **Allendale Public Utilities**

Gregory L. Ransford, MPA
Principal
Fresh Coast Planning
119 1/2 Washington Avenue, Studio B
Grand Haven, MI 49417

Date: November 30, 2023

Project: 11500 56<sup>th</sup> Ave, Allied Installations

Mr. Ransford,

The Public Utility Department has reviewed the plans for 11500 56<sup>th</sup> Ave and has the following comments:

- 1. The Buy and Sell Agreement indicates that there will be an extension of Edgeway Drive to create a cul-de-sac to service an additional five (5) lots. The plans do not indicate this extension. Who is going to responsible for this extension?
- 2. The Buy and Sell Agreement indicates the driveway for the site will enter off from Edgeway, but the plans indicate the driveway will be of 54<sup>th</sup> Ave. Will there be an additional driveway entrance off from Edgeway Drive?
- 3. The road, utilities, and industrial lots should be developed prior to a site being developed. Additional site are indicated in the Buy and Sell Agreement
- 4. Plans indicate Lot 6 will be for a storm retention pond. Given that Lots 5 and 6 will be developed, at a minimum the road and utilities are to be extended to the property lines .
- 5. There are concerns noted above between the Buy and Sell Agreement and the plans that must be addressed.
  - 6. Cover sheet indicates 56<sup>th</sup> Ave and not 54<sup>th</sup> Ave

Thank you,

Chad Doornbos

Superintendent of Public Utilities Allendale Charter Township

CAC DOS SAAT

616-892-3117



# Fresh Coast Planning

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Kevin Yeomans 616-821-4969 kevin@freshcoastplanning.com

Alexis Sorrell 616-773-4638 alexis@freshcoastplanning.com

# **MEMORANDUM**

To: Allendale Charter Township Planning Commission

From: Gregory L. Ransford, MPA

Date: January 9, 2024

Re: Section 12.06 Density Table Relative to the Commercial Master Plan Classification

Pursuant to our email on December 29, 2023 concerning the Joe Modderman property on Lake Michigan Drive, this memorandum serves as our formal documentation of the related situation for discussion at your January 15, 2024 meeting. In particular, the situation is a lack of a maximum density within Section 12.06 — Development Requirements for PUD's with Residential Uses of the Allendale Charter Township Zoning Ordinance (ACTZO) for a residential Planned Unit Development (PUD) proposal on property master planned for commercial.

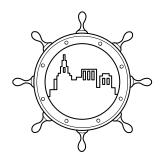
As you know, the Modderman property is currently zoned commercial and contains two multifamily residential buildings. The applicant desires to establish a PUD with commercial buildings adjacent to Lake Michigan Drive and additional residential buildings on the south end of the property. In order to determine the maximum residential density, the applicant must refer to the table provided within Section 12.06 of the ACTZO. That table establishes the maximum density based on the Master Plan Classification. Those classifications are limited to residential only. Given that the property is master planned for commercial, no density recommendation exists.

We suspect this language was intentional by the Township to prohibit residential development in areas master planned for commercial. However, given your recent favorable (informal) review of the Modderman property and after consultation with Chairperson Adams, we have added this to your January 15, 2024 meeting for your discussion.

If you have any questions, please let us know.

GLR Planner

cc: Adam Elenbaas, Supervisor



# Fresh Coast Planning

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# **MEMORANDUM**

To: Allendale Charter Township Planning Commission

From: Gregory L. Ransford, MPA Date: December 26, 2023

Re: Section 12.06 – Version 13.2

Pursuant to your direction at your December 18, 2023 meeting, we have updated the draft language for Section 12.06 – Development Requirements for PUD's with Residential Uses of the Allendale Charter Township Zoning Ordinance (ACTZO). As you will recall, you directed us to perform the following:

- 1. Subsection E provide clearer language regarding the identification of the open space within the development
- 2. Subsection E5 change the minimum number of additional lots to a maximum percentage of additional lots. Also, include the average width to accompany the average area required for the amenity or open space.
- 3. Subsection C update with the Michigan Department of Environment, Great Lakes, and Energy as well as simplify the professional language

While we believe the draft achieves your direction, given the number of versions we have presented, we reexamined this draft to identify any conflicts, broken language, and to check the overall structure of the section. In that that regard, we observed and suggest the following.

Density Determination Sections

The following sections are involved with the determination of density for a residential Planned Unit Development. As you will note, its organization is slightly cumbersome to complete the process to accomplish final density.

- Subsection B establishes the base density with a parallel plan, which equals the Net Site Area.
- That area is then multiplied by the Residential Density Table numbers in Subsection A to determine the maximum number of units.
- Subsection E3 identifies the minimum percentage required for open space.
- Subsection D provides reference to Section 23.18D2 of the ACTZO for increases in density
- However, Subsection E5 provides for increases in density, which we address further below in the Conflict section of this memorandum

While we make every effort to work within existing subsections of a larger section, it may make the most sense to reorganize the overall language therein.

Conflict within Language

- Subsection D Additional Dwellings
  - o This section provides for an equation, by reference within the ACTZO, for additional lot density in exchange for an amenity and or open space beyond the minimum required. The reference within the ACTZO is to Section 23.18D2, which is for Residential Open Space Development, as required by Statute. Our notes indicate that, early on in this process, you wanted to

follow the same provisions for Planned Unit Developments approved through Article 12 as Section 23.18D2 outlines.

- Subsection E5 Minimum Required Open Space for Residential PUD's with Single and Two Family Dwellings
  - This was the most recently discussed language, as noted in number 2 above, to regulate additional density. While we could filter through all of our meeting notes to determine why this language conflicts with Subsection D, we believe this section was initially established to outline the area of the amenity or open space and even the related density lots but should have been kept separate from the specifics of additional density. It appears this section was accidentally expanded into the same purpose as Subsection D.

Given this, the Planning Commission should determine which path for additional density they desire to include and we will remove the other. Whichever path is chose, the language regarding density should be maintained in Subsection D.

#### Our Recommendations

Following your review and conclusions of our notations above, we propose creating a "new" document accepting all of the revisions to date as if Section 12.06 is entirely new for your review. We believe all of your intentions are captured by the most recent draft, Version 13.2, but need reorganization into a more streamlined section.

Subsequently, we recommend that the Township Engineer test the language on a typical 40 acre property as if they were developing the land to determine if this language achieves your objectives as well as encourages the use of the Planned Unit Development for residential projects.

If you so desire, we can also ask the Township Engineer to update their development table for your review.

### **Planning Commission Considerations**

We believe the following warrant your review. They are listed in no particular order.

- The revisions as you directed
- The reorganization of the density language subsections
- The path for additional density (conflict language)
- Creation of a "New" Section 12.06
- A test of the language by the Township Engineer on a typical 40 acre parcel
- Whether the Township Engineer updates the development table further

Section 12.06 of the ACTZO has been scheduled as an Old Business item at your January 15, 2024 meeting. If you have any questions, please let us know.

GLR Planner

Attachment

cc: Adam Elenbaas, Supervisor

#### VERSION 13.2

- Version 1 10% open space
- Base Density Parallel Plan requirement
- 50% of the required open space can be water, floodplains, steep slopes, wetlands, detention ponds, retention ponds, etc when accessible to humans. The remaining required open space cannot be water, etc
- Steep slopes are redefined as over 33% or a 1:3 rise to run

Section 12.06 - Development Requirements for PUD's with Residential Uses

For Planned Unit Developments which will devote all or a portion of the site to residential use the following requirements shall apply in addition to the requirements of Section 12.05.

#### A. Determination of Number of Dwellings

The maximum average density for a PUD shall generally be the density as set forth in the following density table at the time the application for the PUD approval is submitted to the Township. The allowed number of dwellings for the proposed PUD shall be based on the density recommendations for dwellings or bedrooms as set forth in the following density table. The Planning Commission shall have the discretion to recommend to the Township Board the density and number of dwellings or the number of bedrooms that should be permitted in the PUD based upon the Master Plan <u>categoryclassification</u> recommended for that area. The Planning Commission shall base its recommendation on the following standards:

- 1. The impact that the number of occupants allowed by either of the density options will have on nearby existing land uses, roads, public utilities and services.
- A determination regarding which of the density options and the number of dwellings or bedrooms allowed by that option is most compatible with the <u>future land use</u>-recommendations for the nearby area as set forth in the Master Plan.

The Township Board, after receiving a recommendation from the Planning Commission, may choose to allow fewer dwellings or bedrooms than recommended by the Planning Commission if, in the opinion of the Township Board, a reduction in the number of dwellings or bedrooms recommended would better achieve the intent and standards of this Article. In making this determination the Township Board shall also consider the standards (1) and (2) utilized by the Planning Commission contained in this sub-section.

They type and placement of the dwellings proposed, however, shall be subject to the approval of the Township Board after receiving a recommendation from the Planning Commission.

#### Residential Density Table

Master Plan Classification	Maximum Average Density
Agricultural and Residential Estate	1 dwelling unit per acre
Low Density Residential (LDR)	2.9 dwelling units/acre
Moderate Density Residential (MOD)	For single family detached dwellings
	• 4.35 dwelling units per acre with public sanitary
	sewer
	• 2.9 dwelling units per acre w/o sanitary sewer
Medium Density Residential (MDR)	For two family dwellings

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	6.70 dwelling units per acre with public sanitary sewer     12,000 sq. ft./two family dwelling regardless of bedrooms per dwelling unit Public sanitary sewer & water required
High Density Residential (HDR)	For two family dwellings  12,000 sq. ft./two family dwelling regardless of bedrooms per dwelling unit Public sanitary sewer & water required For Multiple Family Dwellings  36 bedrooms/acre Public water & sewer required

#### B. Formula to Determine **Base** Number of Dwellings.

Subject to the additional dwellings or bedrooms authorized by Section 12.06.D. below, the <u>base</u> number of dwelling units permitted within a PUD shall be determined <u>through the completion and submission of a parallel</u> plan. The parallel plan shall satisfy theas followings requirements:

- Determine gross site area which is the entire area of all property within the legal description of the PUD.
   The gross site area shall include the road right of way if it is included in the legal description, but shall exclude the road right of way if it is not included in the legal description. The parallel plan shall contain enough detail to permit the Township to evaluate the feasibility of development for each lot or building area and each dwelling unit in the PUD.
- Subtract all existing public and private road rights of way included in the legal description. The parallel
  plan shall be drawn to comply with the requirements of the underlying zoning district, particularly with
  respect to access, lot area, lot width, lot coverage, setbacks, dwelling unit sizes and other applicable
  provisions of the underlying zoning district.
- 3. Subtract one half of the area of all wetlands, floodplains, lakes, creeks, ponds and any other similar bodies of water and slopes with a grade of over 20% percent. The parallel plan shall comply with the density of the underlying zoning district of the property in the proposed PUD. Alternatively, the parallel plan shall comply with the density of the Master Plan Map and the recommendations set forth within the Master Plan text.
- 4. Subtract any property devoted to any existing non residential use(s) to be included in the PUD. Such property to be subtracted shall include the sum of the area occupied by the building, the off street parking area, driveways serving the use, required building setbacks and other property area or accessory uses associated with the existing use. The minimum area to be subtracted shall be the minimum lot size required for the zoning district in which the existing use is located. All lots or building areas shown on the parallel plan shall be buildable, which, for the purposes of this Section, shall mean lots or building areas that have an area of sufficient size and shape to accommodate the proposed principal building, required driveways, streets or other means of permitted access. Areas of wetlands, water bodies and other such areas shall be considered unbuildable but may be included in the lot or

building area calculations if the lot or building area has sufficient other areas to accommodate any proposed improvements.

- 5. Do not subtract the area of any existing utility easements and proposed non-residential uses such as commercial, institutional, recreational or similar uses.
- 6-5. The resulting acreage is the Net Development Acreage (also referred to as Net Site Area) which is then multiplied by the Maximum Average Density from the Density Tables to determine the number of dwelling units or bedrooms permitted. (for example, the Net Development Acreage for an LDR area would be multiplied by 2.9 dwelling units per acre to determine the maximum average density while for an HDR area the net development acreage would be multiplied by 36 bedrooms per acre.

#### Sample Computation to Determine # of Bedrooms

Gross Site Acreage: 50 acres (site has public water & sewer)

Existing road right of way:

Wetlands & pond: (10 acres x 50%) 
Net Development Acreage:

42 acres

Maximum Ave. Density x 36 bedrooms/acre (HDR density)

(From density table)

Total Dwellings/Bedrooms Allowed 1512 bedrooms

7-6. If the property requested for PUD rezoning has more than one Master Plan land use classification the number of dwelling units or bedrooms allowed for each zone corresponding to the Master Plan classification shall be computed separately using the above formula to determine the total number of dwellings or bedrooms allowed for the entire proposed PUD site. The placement of the dwellings shall be subject to the approval of the Township Board following a recommendation from the Planning Commission during review of the PUD site plan.

#### C. Wetland Determination

The determination of the existence and the extent of wetlands and floodplain areas on a parcel shall be demonstrated to the satisfaction of the Planning Commission through a-written determination documentation by the Michigan Department of Natural Resources Environment, Great Lakes, and Energy or successor agency, or by an analysis performed by an professional biologist, ecologist, environmental engineer professional qualified to make such determination and person-deemed acceptable to the Planning Commission.

#### D. Additional Dwellings

Additional dwellings and bedrooms above what is allowed by Section 12.06.B. above may be permitted at the discretion of the Township Board following a recommendation by the Planning Commission if the development provides additional amenities or preserves additional open space which would result in a significant recognizable benefit to the Township and residents of the PUD. Where additional open space is provided, the maximum amount of additional density that the Township Board may allow shall be based on Section 23.18D2 of this Ordinance, provided that the additional open space is based on the gross acreage of the lot.

Examples of amenities which could be added to a PUD so it may be eligible for consideration for additional dwelling units shall include one or more of the following items as well as similar items:

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- 1. Provision of recreational facilities such as playground areas with play equipment, ball fields, golf course, bike path, man-made lake, and community building or similar recreation facilities.
- 2. Additional landscaping to preserve or enhance the view along the roadway.
- 3. Enhancement of existing wetlands, subject to applicable regulations.
- 4. Provision of additional unique open space or mature stands of trees which would be of recognizable benefit to Allendale Township residents.
- 5. Provision of additional open space off the PUD site but within the Township which would be of benefit to Allendale Township by adding property for recreational opportunities, adding property to existing Township owned property or allowing for the preservation of property along the Grand River or other natural area.

If additional dwelling units are to be permitted, the maximum number of dwelling units shall be determined by multiplying the Maximum Average Density permitted in the Density Table by the Gross Site acreage of the site instead of the Net Development Acreage. In no case shall the number of dwelling units exceed what is permitted by this subsection.

E. Minimum Required Open Space Requirements for Residential PUD's with Single and Two Family Dwellings

For a Planned Unit Development which will devote all or a portion of the site to single family detached dwellings and/or two family dwellings, Dedicated Open Space shall be provided according to the following requirements. Dedicated Open Space which is not contiguous to the proposed PUD property shall not be considered as Dedicated Open Space except as may be permitted by Section 12.06.D. All open space shall be accessible to the occupants of the development and such access shall be clearly identifiable by the occupants therein throughout the entire year through landscaping, signage, or other improvements above grade level.

1. A mixed use PUD (one that include both residential and non-residential uses) shall provide and maintain a minimum of 20 percent of that portion of the PUD site acreage devoted to residential use (including any property occupied by commercial and office buildings with residential uses) as preserved Dedicated Open Space in accordance with the standards of this Article.

The Township Board, after receiving a recommendation from the Planning Commission, may approve a lesser amount of Dedicated Open Space if it is clear that the proposed PUD substantially meets the intent of the Dedicated Open Space requirement as set forth in Section 12.06.E.46.

2. Uses listed in Section 23.06 being multi-family, townhouses and mobile home developments designed for 25 or more dwellings, shall comply with the open space and other requirements set forth in Section 23.06.

For purposes of this Section Dedicated Open Space shall mean that portion of a PUD which is permanently preserved in an undeveloped state through an open space preservation agreement as required herein.

- Single family developments of any number of dwellings, or developments being single-family, multi-family, townhomes, or mobile home developments in combination of or individually, designed for less than 25 dwellings, shall provide at least ten percent (10%) of the gross site area as open space.
- 3.4. Areas Not Counted as Open Space.
- a. The area within all public or private road rights-of-ways.

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- b. Golf course.
- c. The area within a platted lot, site condominium unit, or metes and bounds parcel occupied or to be occupied by a dwelling unit, a non-residential building or any similar principal building.
- d. Off street parking area.
- e. Detention and retention ponds created to serve the development unless such ponds are proposed as an amenity in which case 50% of the area of the pond may count toward open space.
- f. No more than fifty percent (50%) of the required open space may include floodplains, slopes with a grade of more than 33%, 50% of the area of wetlands, creeks, streams, existing and proposed ponds, detention or retention ponds, (detention and retention as noted above in (e) or lakes or other bodies of water)) lakes, or other bodies of water.
- g. 50% of the area of floodplains and 50% percent of areas of slopes with a grade of more than 20%.

45. For amenities or additional open space provided by Section 12.06D of this Ordinance for the purpose of additional dwellings, the area dedicated to the amenity or the open space shall each be an area no less than the average lot size and lot width within the development. The additional density that may be awarded shall not exceed ten percent (10%) of the Lots or units within the development for each amenity or open space based on the average lot size calculated by Section 12.06B of this Ordinance.

The minimum open space required by Sections 12.06E1, 12.06E2, and 12.06E3 of this Ordinance shall be provided separately from additional open space for the purpose of additional dwellings and shall comply with the minimum area requirements provided in each section.

6. Standards for Open Space

The following standards shall apply to the Dedicated Open Space required by this Section:

- a. Open space shall be located so as to preserve significant natural resources, natural features, scenic or wooded conditions, bodies of water, and wetlands.
- b. The open space may include a recreational trail, picnic area, children's play area, community building, a building used to house equipment for maintaining the Dedicated Open Space or other use which, as determined by the Planning Commission, is substantially similar to these uses. These uses, however, shall not utilize more than 50% of the Dedicated Open Space.
- c. Dedicated Open Space areas encouraged to be linked with any adjacent open spaces, public parks, bicycle paths or pedestrian paths.
- d. The Dedicated Open Space shall be available for all residents of the development, subject to reasonable rules and regulations and shall be reasonable accessible to the residents of the open space development. Safe and convenient pedestrian access points to the Dedicated Open Space from the interior of the site shall be provided.
- e. If the property contains a lake, stream or other body of water, the Planning Commission may require that a portion of the Dedicated Open Space abut the body of water.

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- f. Grading in Dedicated Open Space areas shall be kept to a minimum.
- 57. Methods to Preserve Dedicated Open Space.

The applicant shall provide an open space preservation and maintenance agreement to the Township Board stating that all Dedicated Open Space portions of the development shall be maintained in the manner approved. Documents shall be presented that bind all successors and future owners in title to commitments made as part of the proposal. This provision shall not prohibit a transfer of ownership or control, provided notice of such transfer is provided to the Township and the property uses continue as approved in the PUD plan, unless an amendment is approved by the Township Board. The agreement must be acceptable to the Township Board and may consist of a recorded deed restriction, covenants that run perpetually with the property or a conservation easement established according to the Michigan Conservation and Historic Preservation Act, Public Act 197 of 1980 as amended.

The legal instrument shall:

- a. Indicate the proposed permitted use(s) of the Dedicated Open Space.
- b. Identify the parties who have an ownership interest in the Dedicated Open Space. The owners of property which is within the PUD by virtue of an association or other similar entity shall all times maintain an ownership interest in the Dedicated Open Space.
- c. Require that the open space be maintained and controlled by parties who have an ownership interest in the Dedicated Open Space.
- d. Provide standards for scheduled maintenance of the open space, including periodic removal of underbrush to reduce fire hazard and the necessary pruning and harvesting of trees and new plantings.



# Fresh Coast Planning

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# **MEMORANDUM**

To: Allendale Charter Township Planning Commission

From: Gregory L. Ransford, MPA

Date: December 26, 2023

Re: Parking and Drive Surface Mate Nal Requirements – Fourth Draft

Pursuant to your direction at your December 18, 2023 meeting, we updated the draft amendment to Section 21.03 – Parking Lot Pavement Requirement of the Allendale Charter Township Zoning Ordinance. As you will recall, you directed us to perform the following:

- 1. Subsection E (now F in the draft) change the percentage to 50 and change the hours to 24
- 2. Subsection F (now G in the draft) add the side yard but limit the area to the back half of the building depth
- 3. Relocate the dustless provisions to make it clear at the beginning of the section that the exempt parking areas are subject to the dustless requirement

We believe the attached draft achieves your direction. As always, proposed deletions are shown in strikethrough text and proposed additions are shown in bold text. The previous revisions remain generally shown in the same regard within the draft.

Consistent with the previous drafts, the language has not yet been provided to the Township Legal Counsel for review and comment. We wanted your review and direction regarding the draft prior to sending it to Legal Counsel. The draft has been scheduled as an Old Business item at your January 15, 2024 meeting.

If you have any questions, please let us know.

GLR Planner

Attachment

cc: Adam Elenbaas, Supervisor

All parking facilities required for uses mentioned in Section 21.06 of this Chapter shall be hard-surfaced with a pavement having an asphalt or concrete binder except the following: those provided in subsections B through H below.

- A. Any parking facility that is not required to be constructed of hard-surface pavement of asphalt or concrete binder or the area is exempt in subsections B through H below, shall be constructed of crushed asphalt, crushed concrete, or another alternative and equally supportive and dustless surface, as determined by the Planning Commission. During site plan review, the Planning Commission has the discretion to require the non-hard-surfaced parking facility to be screened with a solid fence and or landscaping based upon a consideration of the following factors:
  - 1. The proximity of the parking facility to commercial uses;
  - 2. The proximity of the parking facility to residential uses;
  - 3. The proposed surface material;
  - 4. The intended number of vehicle spaces and the square footage of the parking facility;
  - 5. The type of vehicular use, frequency of traffic, and expected traffic volume; and
  - 6. The location of the parking facility on the Lot.
- B. Parking areas for non-residential uses in the agricultural and rural district are not required to be paved if none of the public roads adjacent to the site are paved.
- C. Driveways and parking areas for single family or two family dwellings or agricultural uses in the agricultural and rural district or any residential district are not required to be paved unless the dwelling is located within a platted subdivision or condominium subdivision plan or project as defined by Michigan State Act 59, 1978, as amended, in which case paving shall be required.
- D. Parking areas used temporarily for the purpose of parking cars or other vehicles to attend carnivals, **fairgrounds, motocross, tractor pulls,** short-term open air businesses, recreational activities, **or** park-n-ride transit lots are not required to be paved.
- E. During site plan review, the Planning Commission may approve temporary exceptions to the paving requirements to accommodate project phasing or weather-related delays.
- F. During site plan review, the Planning Commission may allow an alternative surface for a parking facility that demonstrates the use of the parking area will be characterized as low volume, infrequent, or intermittent. Low volume means an area that shall not exceed fifty percent (50%) of the required parking area. Infrequent or intermittent means a period of time not exceeding twenty-four (24) hours and no more than twelve (12) times per year.
- G. Any parking facility that is located within the side or rear yard of a Lot and is fully screened from view from a public or private right-of-way or both, and adjacent property. When located within the side yard, the parking facility shall not be located between the midpoint of the building wall that it abuts and the road right-of-way. These parking areas shall not be used by employees, customers, visitors, or vendors.
- H. Exempt Surfaces Not Considered Parking Facilities When Located Within the Industrial District
  - 1. An outdoor processing area related to the raw processing of materials by excavators, composting operations, or similar uses. Such areas may be required to be screened to the extent practicable.
  - Staging areas used for equipment, trucks, trailers, or other related machinery or vehicles, when fully screened from view from a public or private right-of-way and adjacent property. Staging areas are not intended for long-term parking or similar storage. Storage areas shall comply with Section 16.08B of this Ordinance.

All parking areas shall be graded and drained so as to dispose of surface water which might accumulate within or upon such area, and shall be completely constructed prior to a Certificate of Occupancy being issued.

For the purposes of this Section, the words and phrases below shall mean the following:

# PARKING FACILITIES/PARKING AREA – Refer to Parking Area, Space, Lot

[Inserted for convenience: PARKING AREA, SPACE, LOT. An off-street open area, the principal use of which is for the parking of automobiles, whether for compensation or not, or as an accommodation to clients, customers, visitors, or employees. Parking area shall include access drives within the actual parking area.]

Storage – The placement of an automobile, truck, trailer, equipment, or other related machinery or vehicles for a period in excess of seven (7) days.