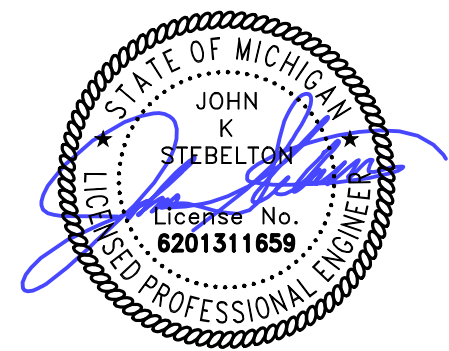


PRELIMINARY SITE PLANS

# MACK INDUSTRIES

8275 WHITE LAKE ROAD  
WHITE LAKE TOWNSHIP, OAKLAND COUNTY, MICHIGAN



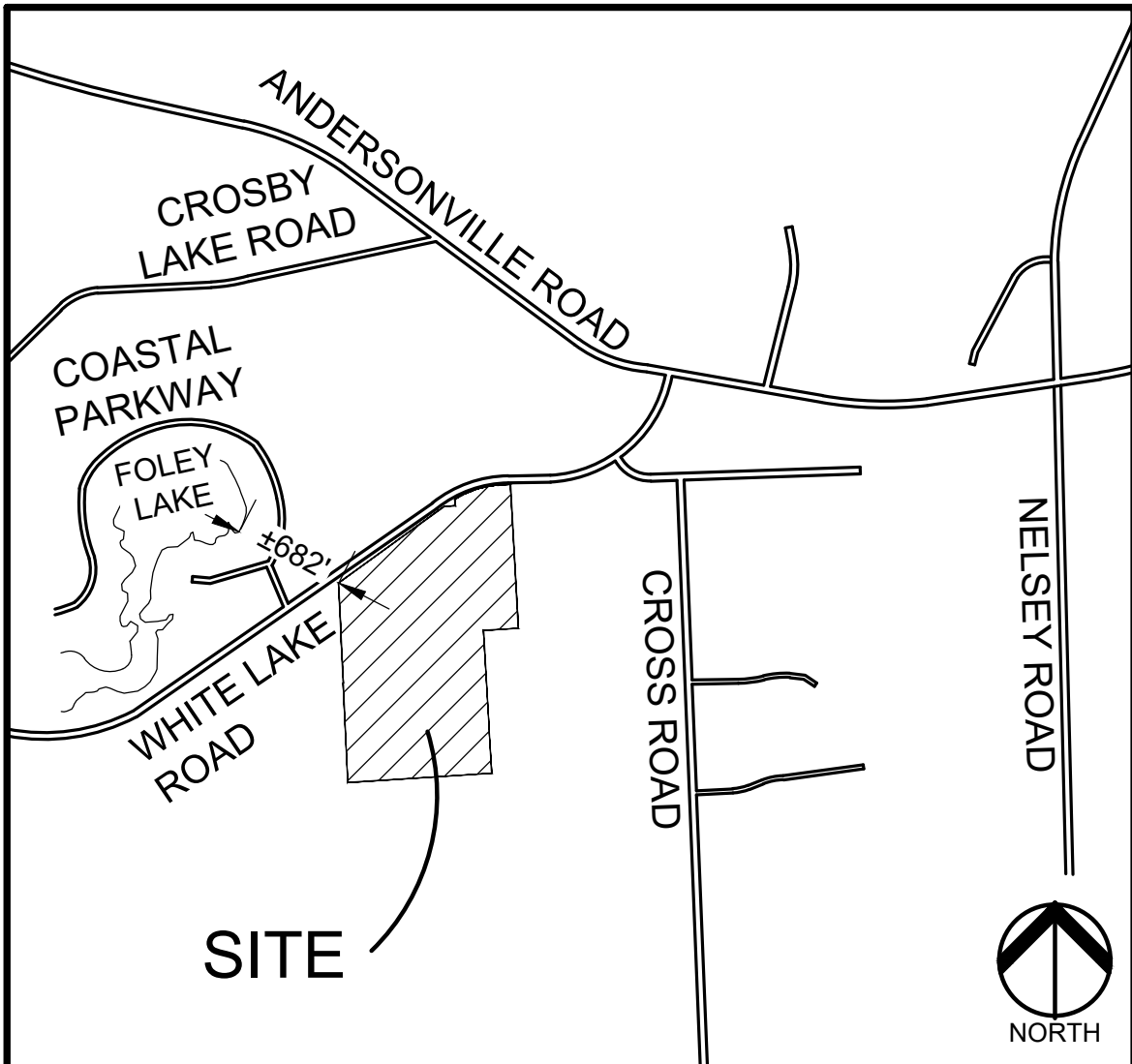
| PERMIT / APPROVAL SUMMARY |               |                    |
|---------------------------|---------------|--------------------|
| DATE SUBMITTED            | DATE APPROVED | PERMIT / APPROVAL  |
| 3/30/2026                 |               | SITE PLAN APPROVAL |

PROJECT NARRATIVE:

The proposed development involves a significant expansion of the Mack Industries facility located in White Lake, Michigan, centered around a 134,580-square-foot industrial addition to the existing manufacturing building. This expansion is specifically designed to support the production of precast concrete products, including manholes, pipes, underground detention structures, and various other concrete storm devices. The building layout incorporates strategically placed overhead doors to facilitate efficient truck circulation and the seamless transfer of materials produced inside the facility. Trucks will deliver raw materials for construction directly to the production area, and once the manufacturing process is complete, finished products will be moved via these overhead doors to various designated outdoor locations on the property for curing and storage.

To further support site operations and the workforce, a smaller satellite building will be constructed near the larger addition to house a training room, lockers, and restrooms. This auxiliary structure includes a single van-accessible concrete pad placed against the perimeter sidewalk to ensure full compliance with accessibility standards. To ensure a sensitive transition between land uses, 31 additional 8' ht. evergreen trees have been added to fill gaps in the existing vegetation to increase the buffer along White Lake Road frontage.

Infrastructure for the site includes a new water well to provide a domestic water connection to both proposed structures, along with a dedicated sanitary septic system to service the satellite building's restrooms. Stormwater management for the project will primarily handle roof runoff directed to the north of the property. Consistent with the existing facility's drainage strategy, this runoff will be collected and managed through a detention and infiltration system, ensuring efficient subsurface disposal and natural groundwater recharge.



LOCATION MAP  
NO SCALE

| INDEX OF DRAWINGS   |                              |
|---------------------|------------------------------|
| Sheet Number        | Sheet Title                  |
| C-0.0               | COVER SHEET                  |
| C-1.0               | TOPOGRAPHIC SURVEY           |
| C-3.0               | OVERALL SITE PLAN            |
| C-3.1               | PRELIMINARY DIMENSION PLAN   |
| C-4.1               | PRELIMINARY ENGINEERING PLAN |
| C-8.0               | STORMWATER MANAGEMENT PLAN   |
| C-9.0               | NOTES AND DETAILS            |
| C-10.0              | WHITE LAKE ROAD SCREENING    |
| L-1.0               | LANDSCAPE PLAN               |
| 1 OF 1              | PHOTOMETRIC PLAN             |
| ARCHITECTURAL PLANS |                              |
| A1                  | FLOOR PLAN                   |
| A2                  | BUILDING ELEVATIONS          |
| A3                  | TRAINING ROOM FLOOR PLAN     |
| A4                  | TRAINING ROOM ELEVATIONS     |

DESIGN TEAM

| OWNER                                                                                                                                                                                | CIVIL ENGINEER                                                                                                                                | CONTRACTOR                                                                                                                                                         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MACK INDUSTRIES<br>8265 WHITE LAKE ROAD<br>WHITE LAKE TWP., MI 48386<br>CONTACT: HOWARD MACK<br>PHONE: 248.249.3458<br>EMAIL: HMACK@MACKCONCRETE.COM                                 | PEA GROUP<br>1849 POND RUN<br>AUBURN HILLS, MI 48326<br>CONTACT: JOHN HOUSER, PE<br>PHONE: 844.813.2949<br>EMAIL: JHOUSER@PEAGROUP.COM        | SALZEIDER, INC.<br>40900 WOODWARD AVE., SUITE 275<br>BLOOMFIELD HILLS, MI<br>CONTACT: SCOTT SALZEIDER<br>PHONE: 248.388.7869<br>EMAIL: SSALZEIDER@SALZEIDERINC.COM |
| ARCHITECT                                                                                                                                                                            | LANDSCAPE ARCHITECT                                                                                                                           |                                                                                                                                                                    |
| PUCCI + VOLLMAR ARCHITECTS, PC<br>508 E. GRAND RIVER AVE., SUITE 100B<br>BRIGHTON, MI 48116-1566<br>CONTACT: KARL F. VOLLMAR<br>PHONE: 810.225.2930<br>EMAIL: KARL@PV-ARCHITECTS.COM | PEA GROUP<br>7927 NEMCO WAY, STE. 115<br>BRIGHTON, MI 48116<br>CONTACT: JANET EVANS, PLA<br>PHONE: 844.813.2949<br>EMAIL: JEVANS@PEAGROUP.COM |                                                                                                                                                                    |



| REVISIONS           |           |
|---------------------|-----------|
| DESCRIPTION         | DATE      |
| ORIGINAL ISSUE DATE | 3/30/2026 |
| CITY COMMENTS       | 4/30/2026 |

NOT FOR CONSTRUCTION





**LEGEND:**

- OH-ELEC—W—O—< EX. OH. ELEC. POLE & GUY WIRE
- UG-CATV— EX. U.G. CABLE TV & PEDESTAL
- UG-COMM— EX. U.G. COMMUNICATION LINE, PEDESTAL & MANHOLE
- UG-ELEC— EX. U.G. ELEC. MANHOLE & METER
- EX. GAS LINE
- EX. GAS VALVE & GAS LINE MARKER
- EX. TRANSFORMER & IRRIGATION VALVE
- EX. WATER MAIN
- EX. HYDRANT, GATE VALVE & POST INDICATOR VALVE
- EX. WATER VALVE BOX & SHUTOFF
- EX. SANITARY SEWER
- EX. SANITARY CLEANOUT & MANHOLE
- EX. COMBINED SEWER MANHOLE
- EX. STORM SEWER
- EX. CLEANOUT, MANHOLE & CULVERT
- EX. SQUARE, ROUND & BEEHIVE CATCH BASIN
- EX. YARD DRAIN, ROOF DRAIN & DOWNSPOUT
- EX. UNIDENTIFIED STRUCTURE
- EX. MAILBOX, SIGN & GUARD POST
- EX. LIGHT POLE & YARD LIGHT
- EX. PUBLIC LIGHTING MANHOLE
- EX. FENCE
- EX. GUARD RAIL
- EX. DEC. TREE, CONIFEROUS TREE & SHRUB
- EX. TREE TAG & TREE LINE
- EX. SPOT ELEVATION
- EX. CONTOUR
- EX. WETLAND
- IRON FOUND / SET
- NAIL FOUND / NAIL & CAP SET
- BRASS PLUG SET
- MONUMENT FOUND / SET
- SECTION CORNER FOUND
- (R) (M) (C) RECORDED / MEASURED / CALCULATED

**REFERENCE DRAWINGS:**

ELECTRIC DTE ELECTRIC MAP 235-428, DATED 03/24/2026

GAS CONSUMERS ENERGY ON-LINE PORTAL

**LEGAL DESCRIPTION:**  
(Per Oakland County)

PARCEL ID 12-01-176-004  
Land in the Township of White Lake, Oakland County, Michigan, described as follows:

T3N, R8E, SEC 1 PART OF E 1/2 OF NW FRAC 1/4 LYING SLY OF RELOC WHITE LAKE RD EXC THAT PART IN PCL BEG AT PT DIST N 87-19-55 W 6.73 FT & N 88-34-10 W 195.66 FT FROM N 1/4 COR, TH S 03-22-50 W 238.05 FT, TH N 88-34-10 W 133.07 FT, TH N 03-22-50 E 238.05 FT, TH S 88-34-10 E 133.07 FT TO BEG, ALSO PART OF W 1/2 OF NE FRAC 1/4 BEG AT N 1/4 COR, TH S 87-39-00 E 306.43 FT, TH S 01-15-20 W 1386.22 FT, TH N 89-05-00 W 308.50 FT, TH N 01-20-34 E 1393.90 FT TO BEG, ALSO PART OF W 1/2 OF NE FRAC 1/4 & PART OF E 1/2 OF NW FRAC 1/4 BEG AT PT DIST S 87-39-00 E 306.43 FT FROM N 1/4 COR, TH S 87-39-00 E 510.08 FT, TH S 01-15-20 W 1373.46 FT, TH N 89-05-00 W 510 FT, TH N 01-15-20 E 1386.22 FT TO BEG EXC BEG AT PT DIST S 87-39-00 E 306.31 FT FROM N 1/4 COR, TH S 87-39-00 E 660.44 FT, TH ALG CURVE CONCAVE NWLY, RAD 910 FT, CHORD BEARS S 81-54-36 W 329.95 FT, DIST OF 331.79 FT, TH N 87-38-42 W 134.81 FT, TH N 01-15-20 E 59.79 FT TO BEG 90.95 A 11-2-20 FR 003 & 201-005

**BENCHMARKS:**  
(GPS DERIVED - NAVD83)

BM #300  
SET BENCH TIE IN THE SOUTHWEST FACE OF A POWER POLE LOCATED APPROX. 172' EAST FROM THE NORTHEAST BUILDING CORNER.  
ELEV - 1031.31

BM #301  
SCRIBED ON THE SOUTHEAST CORNER OF A CONCRETE FROST SLAB LOCATED ON THE SOUTH SIDE OF THE BUILDING. APPROX. 80' SOUTHEAST FROM THE SOUTHWEST BUILDING CORNER.  
ELEV - 1030.26

BM #302  
DIMPLE ON THE NORTH RIM OF A STORM MANHOLE LOCATED APPROX. 193' NORTHWEST FROM THE NORTHWEST BUILDING CORNER.  
ELEV - 1029.96

**PEA GROUP**  
t: 844.813.2949  
www.peagroup.com

0 20 40 80  
SCALE: 1" = 40'

**811** Know what's below. Call before you dig.

**CAUTION!!**  
THE LOCATIONS AND ELEVATIONS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THIS DRAWING ARE ONLY APPROXIMATE. NO GUARANTEE OR OTHER EXPRESSED OR IMPLIED AS TO THE COMPLETENESS OR ACCURACY THEREOF. THE CONTRACTOR SHALL BE EXCLUSIVELY RESPONSIBLE FOR DETERMINING THE EXACT UTILITY LOCATIONS AND ELEVATIONS PRIOR TO THE START OF CONSTRUCTION.

CLIENT

**SALZEIDER, INC.**  
40900 WOODWARD AVE. SUITE 275  
BLOOMFIELD HILLS, MI 48304

PROJECT TITLE

**MACK INDUSTRIES**  
8275 WHITE LAKE ROAD  
WHITE LAKE TOWNSHIP, MICHIGAN

| REVISIONS     |         |
|---------------|---------|
| CITY COMMENTS | 4-30-26 |
|               |         |
|               |         |
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|               |         |
|               |         |

ORIGINAL ISSUE DATE:  
MARCH 30, 2026

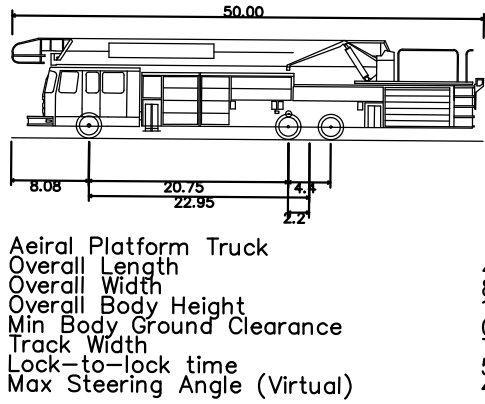
DRAWING TITLE  
**TOPOGRAPHIC SURVEY**

|                 |            |
|-----------------|------------|
| PEA JOB NO.     | 20-0295.01 |
| P.M.            | JH         |
| DN.             | JKS        |
| DES.            | JKS        |
| DRAWING NUMBER: |            |

**C-1.0**

NOT FOR CONSTRUCTION





50' AERIAL FIRE TRUCK  
SCALE: 1" = 20'-0"

| Map Unit Symbol                    | Map Unit Name                                              | Acres in AOI | Percent of AOI |
|------------------------------------|------------------------------------------------------------|--------------|----------------|
| 10B                                | Marlette sandy loam, 1 to 6 percent slopes                 | 0.6          | 0.6%           |
| 13C                                | Oakhamo-Boyer loamy sands, 6 to 12 percent slopes          | 2.5          | 2.5%           |
| 13E                                | Oakhamo-Boyer loamy sands, 12 to 40 percent slopes         | 2.7          | 2.7%           |
| 19                                 | Sebewa loam, disintegration moraine, 0 to 2 percent slopes | 3.6          | 3.6%           |
| 27                                 | Houghton and Adrian mucks                                  | 11.7         | 11.8%          |
| 41B                                | Aquents, sandy, loamy, undulating                          | 4.6          | 4.7%           |
| 50B                                | Udipsamments, undulating                                   | 2.8          | 2.8%           |
| 50D                                | Udipsamments, rolling to steep                             | 7.4          | 7.5%           |
| 51B                                | Leoni gravelly sandy loam, 1 to 6 percent slopes           | 17.2         | 17.4%          |
| 59                                 | Urban land                                                 | 45.8         | 46.4%          |
| 69                                 | Thomas muck                                                | 0.1          | 0.1%           |
| <b>Totals for Area of Interest</b> |                                                            | <b>98.9</b>  | <b>100.0%</b>  |

### LEGEND:

|                 |                                                 |
|-----------------|-------------------------------------------------|
| -OH-ELEC-W-○-○- | EX. OH. ELEC. POLE & GUY WIRE                   |
| -UG-CATV-□-     | EX. U.G. CABLE TV & PEDESTAL                    |
| -UG-COMM-□-○-   | EX. U.G. COMMUNICATION LINE, PEDESTAL & MANHOLE |
| -UG-ELEC-○-□-   | EX. U.G. ELEC. MANHOLE & METER                  |
| —               | EX. GAS LINE                                    |
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| —               | EX. TRANSFORMER & IRRIGATION VALVE              |
| —               | EX. WATER MAIN                                  |
| ○               | EX. HYDRANT, GATE VALVE & POST INDICATOR VALVE  |
| ○               | EX. WATER VALVE BOX & SHUTOFF                   |
| —               | EX. SANITARY SEWER                              |
| —               | EX. SANITARY CLEANOUT & MANHOLE                 |
| —               | EX. COMBINED SEWER MANHOLE                      |
| —               | EX. STORM SEWER                                 |
| —               | EX. CLEANOUT, MANHOLE & CULVERT                 |
| —               | EX. SQUARE, ROUND & BEEHIVE CATCH BASIN         |
| —               | EX. YARD DRAIN, ROOF DRAIN & DOWNSPOUT          |
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| —               | EX. SPOT ELEVATION                              |
| —               | EX. CONTOUR                                     |
| —               | EX. WETLAND                                     |
| —               | IRON FOUND / SET                                |
| —               | NAIL FOUND / NAIL & CAP SET                     |
| —               | BRASS PLUG SET                                  |
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| —               | SECTION CORNER FOUND                            |

(R) (M) (C)

RECORDED / MEASURED / CALCULATED

**REFERENCE DRAWINGS:**

|          |                                            |
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| ELECTRIC | DTE ELECTRIC MAP 235-428, DATED 03/24/2026 |
| GAS      | CONSUMERS ENERGY ON-LINE PORTAL            |

**LEGAL DESCRIPTION:**

(Per Oakland County)

PARCEL ID: 12-01-176-004

Land in the Township of White Lake, Oakland County, Michigan, described as follows:

T3N, R9E, SEC 18 OF 1/2 OF N/2 OF NW 1/4 PT LYING S/E OF RELOC WHITE LAKE RD EXC THAT PART IN PCL BEG AT DIST 87'-19.55 W & 63'7.3 F & N 83-4.10 W 159.65 FT FROM N/4 COR, TH S 03-22-50 W 238.05 FT, TH N 83-84.10 W 133.07 FT, TH N 03-22-50 E 238.05 FT, TH S 87-19.55 W 159.65 FT TO BEG, ALSO PART OF W 1/2 OF NE 1/4 NW 1/4 BEG AT N/4 COR, TH S 87-39.00 E 306.43 FT, TH S 01-15-20 W 1386.22 FT, TH N 89-50-50 W 308.50 FT, TH N 01-20-34 S 1393.01 FT TO BEG, ALSO PORT OF W 1/2 OF NE 1/4 NW 1/4 PART OF E 1/2 OF NW 1/4 NW 1/4 DIST 87'-39.00 E & 306.43 FT FROM N/4 COR, TH S 87-39-00 E 306.43 FT, TH S 01-15-20 W 1373.45 FT, TH N 89-50-50 W 510.00 FT, TH N 01-15-20 W 1386.22 FT TO BEG EXC BEG AT PT DIST S 87-39-00 E 306.31 FT FROM N/4 COR, TH S 87-39-00 E 460.44 FT, TH ALG CURVE CONCAVE N/WLY RAD 910 FT CHORD BEARS S 81-54-36 W 329.95 FS TO DOWNSIDE DIST 87'-39.00 E & 306.43 FT FROM N/4 COR, TH S 87-39-00 E 306.31 FT TO BEG, ALSO PART OF W 1/2 OF NW 1/4 NW 1/4 DIST 87'-39.00 E & 306.43 FT FROM N/4 COR, TH S 87-39-00 E 306.31 FT TO BEG.

**BENCHMARKS:**  
(GPS DERIVED - NAVD88)

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SET BENCH TIE IN THE SOUTHWEST FACE OF A POWER POLE  
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BM #302  
DIMPLE ON THE NORTH RIM OF A STORM MANHOLE LOCATED APPROX  
193' NORTHWEST FROM THE NORTHWEST BUILDING CORNER.  
ELEV - 1029.96

**SITE DATA TABLE:**

SITE AREA: 93.20 ACRES (4,059,923 SF.) NET AND GROSS

ZONING: LM - LIGHT MANUFACTURING

PROPOSED USE: MANUFACTURING  
(EXISTING 14,000 SF. + PROPOSED ADDITIONAL 134,708 SF.)  
OFFICE (PROPOSED 3,440 SF.)

**BUILDING INFORMATION:**

- MAXIMUM ALLOWABLE BUILDING HEIGHT = 40 FT. (2 STORIES)
- PROPOSED BUILDING HEIGHT = 1 STORY  
HIGH POINT = 50'-4"  
LOW POINT = 37'-4"  
AVERAGE HEIGHT = 43'-10"

\*\*\*VARIANCE OBTAINED ON 4-23-2026

■ BUILDING FOOTPRINT AREA

= PR. + EX. MANUFACTURING = 14,000 SF. + 134,708 SF. = 148,708 SF.  
= PROPOSED OFFICE = 3,440 SF.  
= EXISTING EAST SITE BUILDINGS = 46,197 SF.

TOTAL = 148,708 + 3,440 + 46,197 = 198,345 SF.

■ BUILDING LOT COVERAGE = 198,345 / 4,059,923 = 4.89%

**SETBACK REQUIREMENTS:**

|                 | <b><u>PROPOSED:</u></b> | <b><u>REQUIRES:</u></b> |
|-----------------|-------------------------|-------------------------|
| ■ FRONT (NORTH) | 175.24'                 | 70'                     |
| ■ SIDE (EAST)   | 192.97'                 | 50'                     |
| ■ SIDE (WEST)   | 1026.38' (EXISTING)     | 50'                     |
| ■ REAR (SOUTH)  | 564.38'                 | 100'                    |

**PARKING CALCULATIONS:**

REQUIRED:  
= PER OWNER NEEDS, PARKING IS CURRENTLY MET AND WILL CONTINUE TO BE MET WITHIN THE EXISTING NORTHERN PARKING LOT.

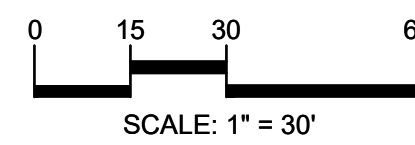
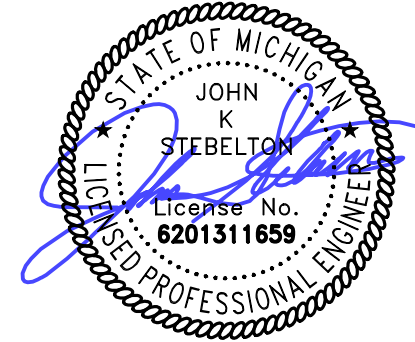
PROVIDED: 99 PARKING SPACES (INCL. 4 BARRIER FREE W/ 1 VAN)

**SITE SITES INFORMATION:**

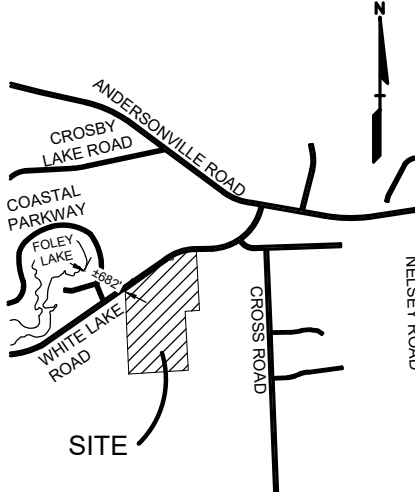
ACCORDING TO THE USDA NATIONAL RESOURCES CONSERVATION SERVICE  
WEB SOIL SURVEY FOR OAKLAND COUNTY, THE SITE CONSISTS OF THE  
FOLLOWING SOIL TYPES:

REFER TO MAP AND LEGEND ON THIS SHEET

**PEA**  
**GROUP**  
t: 844.813.2949  
[www.peagroup.com](http://www.peagroup.com)



**CAUTION!!**  
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CLIENT  
**SALZEIDER, INC.**  
40900 WOODWARD AVE. SUITE 275  
BLOOMFIELD HILLS, MI 48304

PROJECT TITLE

**MACK  
INDUSTRIES**

8275 WHITE LAKE ROAD  
WHITE LAKE TOWNSHIP, MICHIGAN

| REVISIONS     |       |
|---------------|-------|
| CITY COMMENTS | 4-30- |

ORIGINAL ISSUE DATE:  
MARCH 30, 2026

DRAWING TITLE

**OVERALL SITE  
PLAN**

PEA JOB NO. 20-0295.0

P.M.

|     |    |
|-----|----|
| DN. | JA |
| DES | JA |

DRAWING NUMBER:

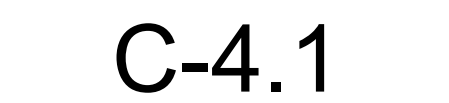
**C-3.0**

**NOT FOR CONSTRUCTION**



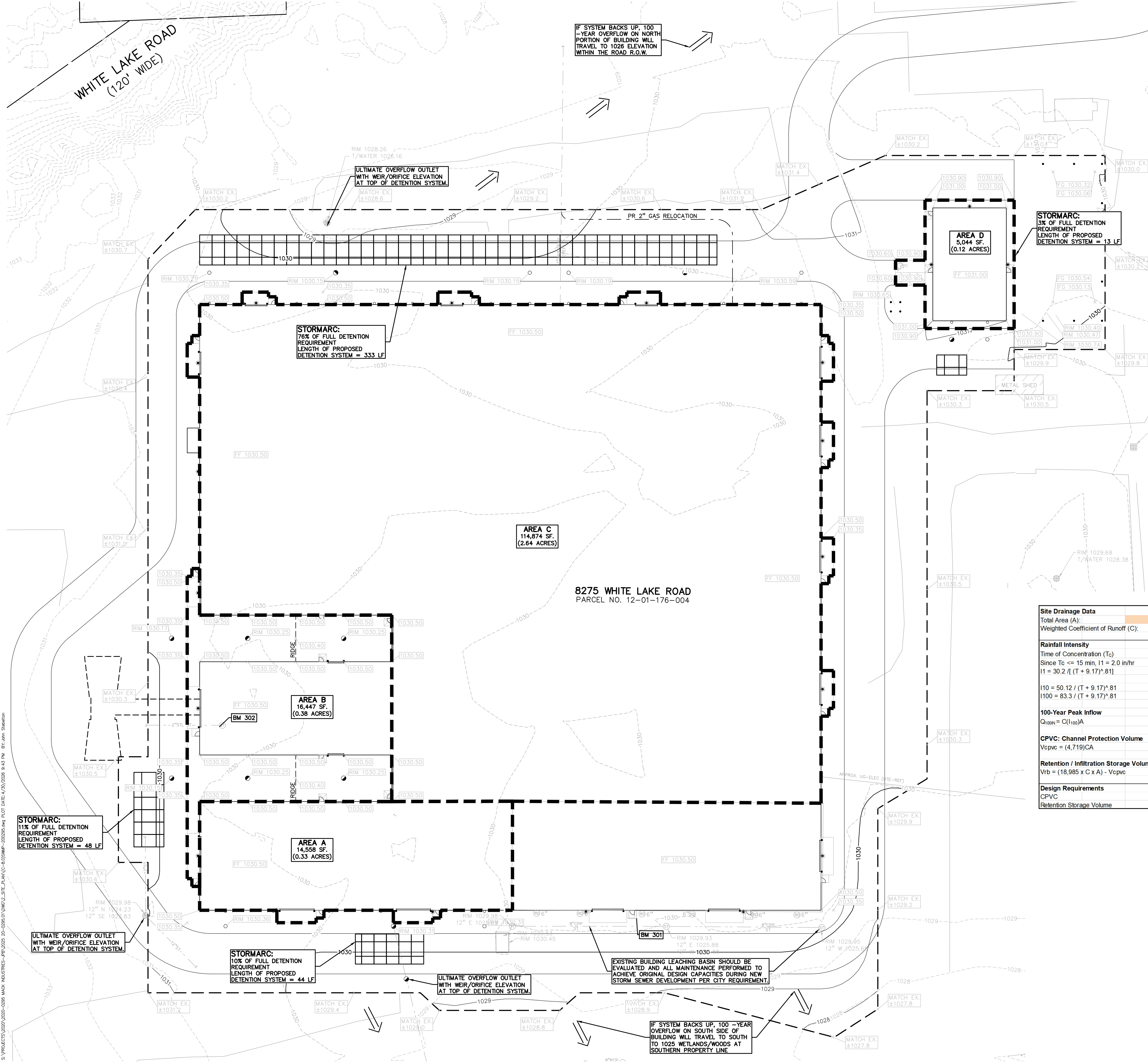






THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPORTING OR EXPORTING ALL MATERIALS AS REQUIRED TO PROPERLY GRADE THIS PROJECT TO THE FINISHED ELEVATIONS SHOWN ON THE APPROVED PLANS. THE CONTRACTOR SHALL MAKE THEIR OWN DETERMINATION OF CUT AND FILL QUANTITIES AND ALLOW FOR REMOVAL OF EXCESS OR IMPORTATION OF ADDITIONAL MATERIAL AT NO ADDITIONAL COST TO THE OWNER.



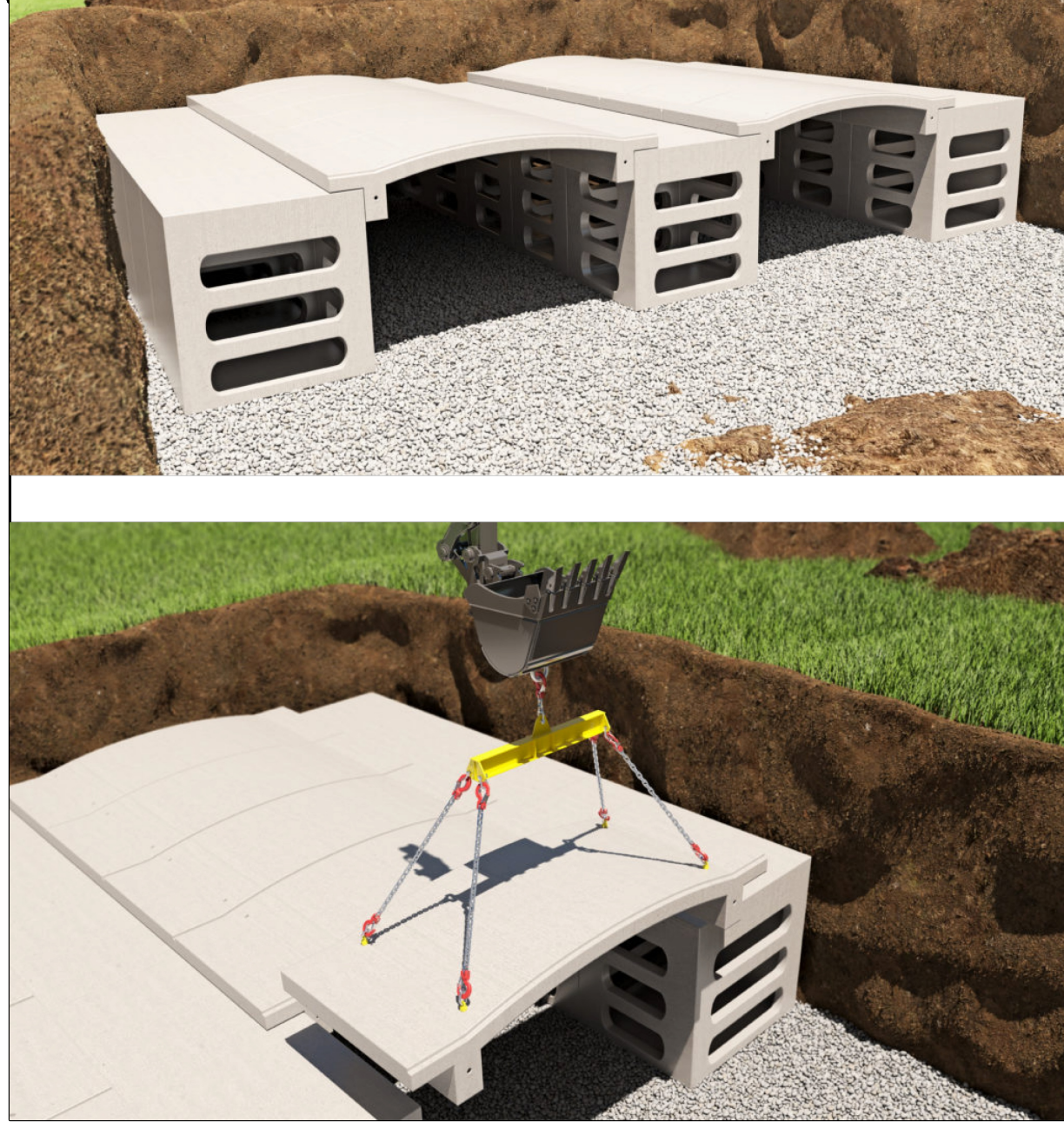


**STORMARC SPECIFICATIONS**

| H1 = Height of Chamber | H2 = Top of StormArc | V = Cubic Feet Storage of StormArc for 8' |
|------------------------|----------------------|-------------------------------------------|
| 2'                     | 3'                   | 158.7 ft³                                 |
| 3'                     | 4'                   | 238.0 ft³                                 |
| 4'                     | 5'                   | 317.4 ft³                                 |
| 5'                     | 6'                   | 396.7 ft³                                 |
| 6'                     | 7'                   | 476.06 ft³                                |

StormArc dimensions are 9.4' W x 4' L x 12" H (from the top of the chambers)

The length may be modified from 1' – 4'.



|                                                      |            |
|------------------------------------------------------|------------|
| <b>Site Drainage Data</b>                            |            |
| Total Area (A):                                      | 3.46 acre  |
| Weighted Coefficient of Runoff (C):                  | 0.95       |
| <b>Rainfall Intensity</b>                            |            |
| Time of Concentration (Tc)                           | 10.00 min  |
| Since Tc <= 15 min, I1 = 2.0 in/hr                   | 2.00 in/hr |
| I1 = 30.2 / (T + 9.17) <sup>0.81</sup>               |            |
| I10 = 50.12 / (T + 9.17) <sup>0.81</sup>             | 4.58 in/hr |
| I100 = 83.3 / (T + 9.17) <sup>0.81</sup>             | 7.62 in/hr |
| 100-Year Peak Inflow                                 | 25.08 cfs  |
| Q100N = C(I100)A                                     |            |
| <b>CPVC: Channel Protection Volume</b>               |            |
| Vcpvc = (4.719)CA                                    | 15,532 cf  |
| <b>Retention / Infiltration Storage Volume (Vrb)</b> |            |
| Vrb = (18,985 x C x A) - Vcpvc                       | 46,956 cf  |
| <b>Design Requirements</b>                           |            |
| CPVC                                                 | Volume     |
| Retention Storage Volume                             | 15,532 cf  |
|                                                      | 46,956 cf  |

|                                                        |                |
|--------------------------------------------------------|----------------|
| <b>Provided Pipe Volume:</b>                           |                |
| Total Length                                           | 438 lf         |
| Total Width                                            | 19.33 lf       |
| Total Runs                                             | 1 ea           |
| Stormarc Height                                        | 6 ft           |
| <b>Average Infiltration Area (At)</b>                  |                |
| At = LF trench x LF wide                               | 8,468 sf       |
| <b>Surface Storage Volume (Vss)</b>                    |                |
| Vss = At x H (LF high) x .40                           | 20,323 cf      |
| minus storm pipe void x .40                            | 20,323 cf      |
|                                                        | 0 cf           |
| <b>Subsurface Storage Volume (Vsubsurface)</b>         |                |
| Depth 21AA aggregate below system =                    | 0.5 ft         |
| Vsubsurface =                                          | 1,694 cf       |
| <b>Infiltration Volume (Vi) (based on 6 Hr period)</b> |                |
| Ksat = Infiltration Rate per "A" soil group            | 4.58 in/hr     |
| Sf = Ksat safety factor                                | 1              |
| Vi = (Ksat x Sf x 6 x At) / 12 in                      | 19,392 cf      |
| <b>Total Sedimentation Storage Volume (Vt)</b>         |                |
| Vt = Vss + Vsubsurface + Vi                            | 21,085 cf      |
| <b>Pipe Storage Design</b>                             |                |
| Length =                                               | 438.00 ft      |
| Pipe Diameter =                                        | STORMARC in.   |
| c.f. / ft. = cross section area                        | 59.5075 cf/ft  |
| Volume =                                               | 26064.29 cf    |
| Total Volume =                                         | 47149.81 cf ok |

| SITE AREA DETENTION REQUIREMENT TABLE |         |       |       |                 |
|---------------------------------------|---------|-------|-------|-----------------|
| AREA                                  | AREA SF | ACRES | RATIO | LF OF PR SYSTEM |
| AREA A                                | 14558   | 0.33  | 0.1   | 44              |
| AREA B                                | 16447   | 0.38  | 0.11  | 48              |
| AREA C                                | 114874  | 2.64  | 0.76  | 333             |
| AREA D                                | 5044    | 0.12  | 0.03  | 13              |
| TOTAL                                 |         |       | 1.00  | 438             |

**PEA GROUP**  
t: 844.813.2949  
www.peagroup.com

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CLIENT  
**SALZEIDER, INC.**  
40900 WOODWARD AVE. SUITE 275  
BLOOMFIELD HILLS, MI 48304

PROJECT TITLE  
**MACK INDUSTRIES**  
8275 WHITE LAKE ROAD  
WHITE LAKE TOWNSHIP, MICHIGAN

| REVISIONS     |         |
|---------------|---------|
| CITY COMMENTS | 4-30-26 |
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ORIGINAL ISSUE DATE:  
MARCH 30, 2026

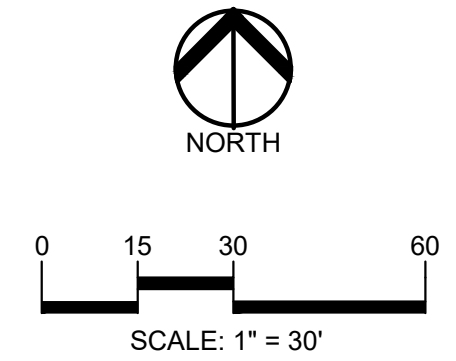
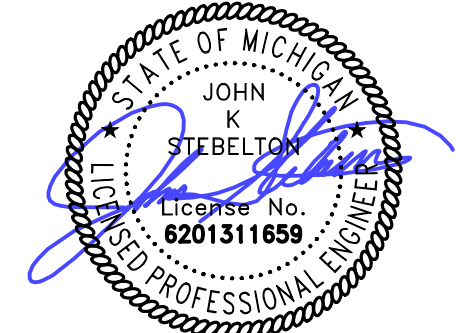
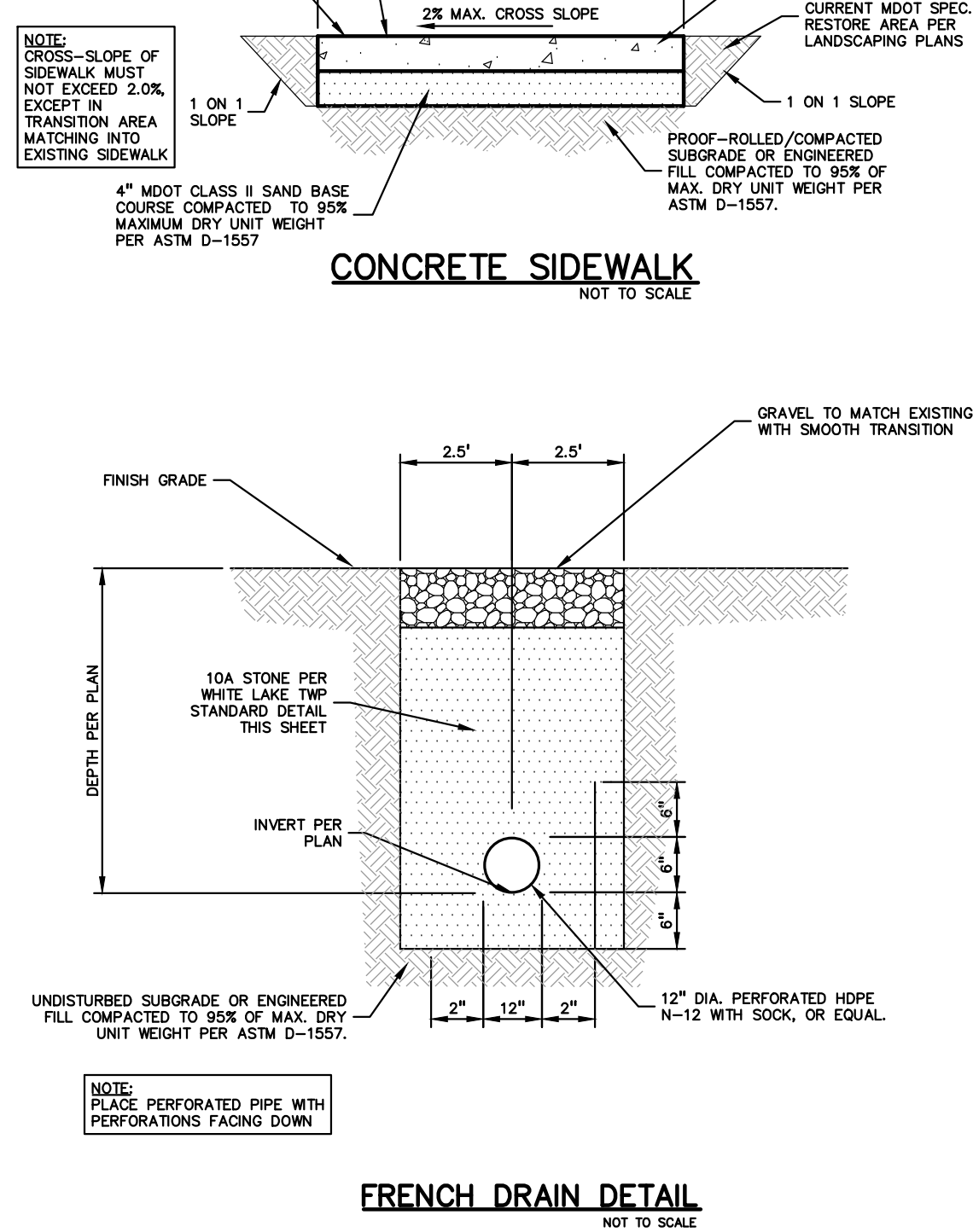
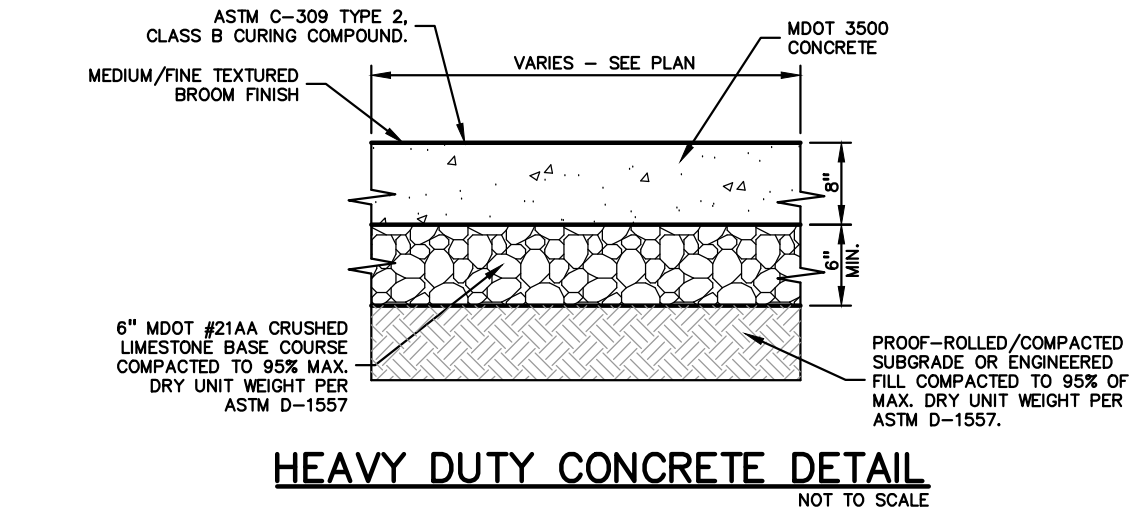
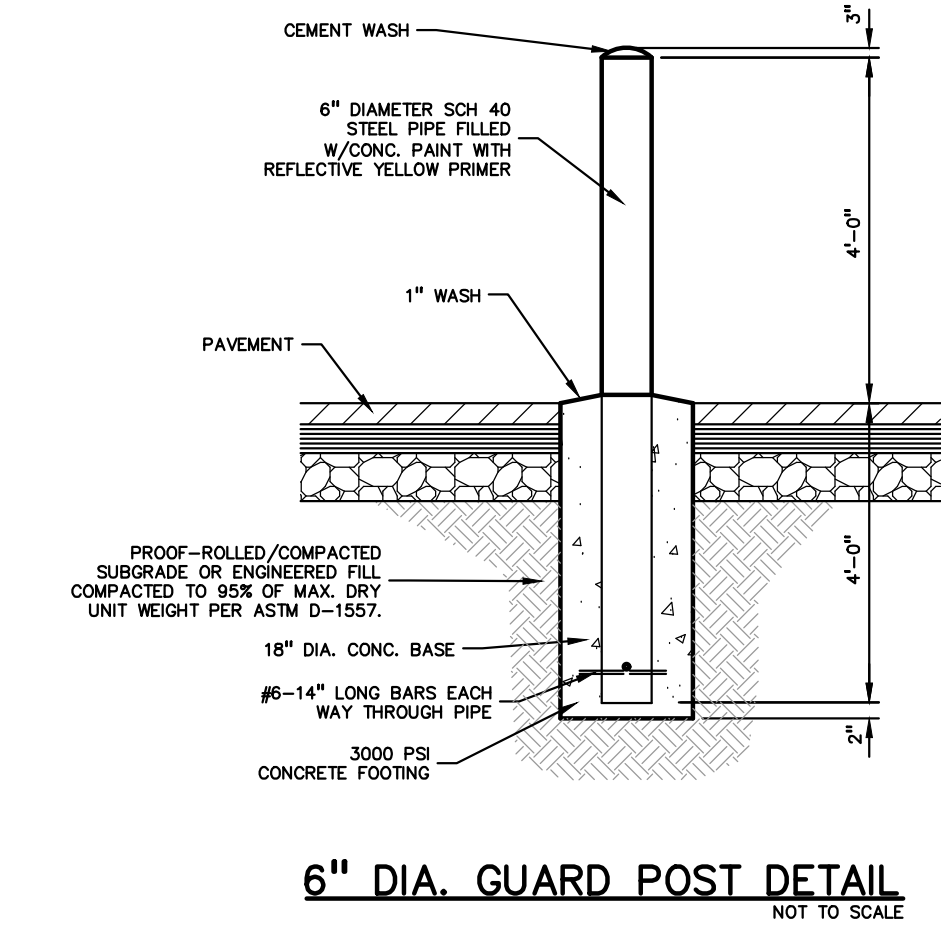
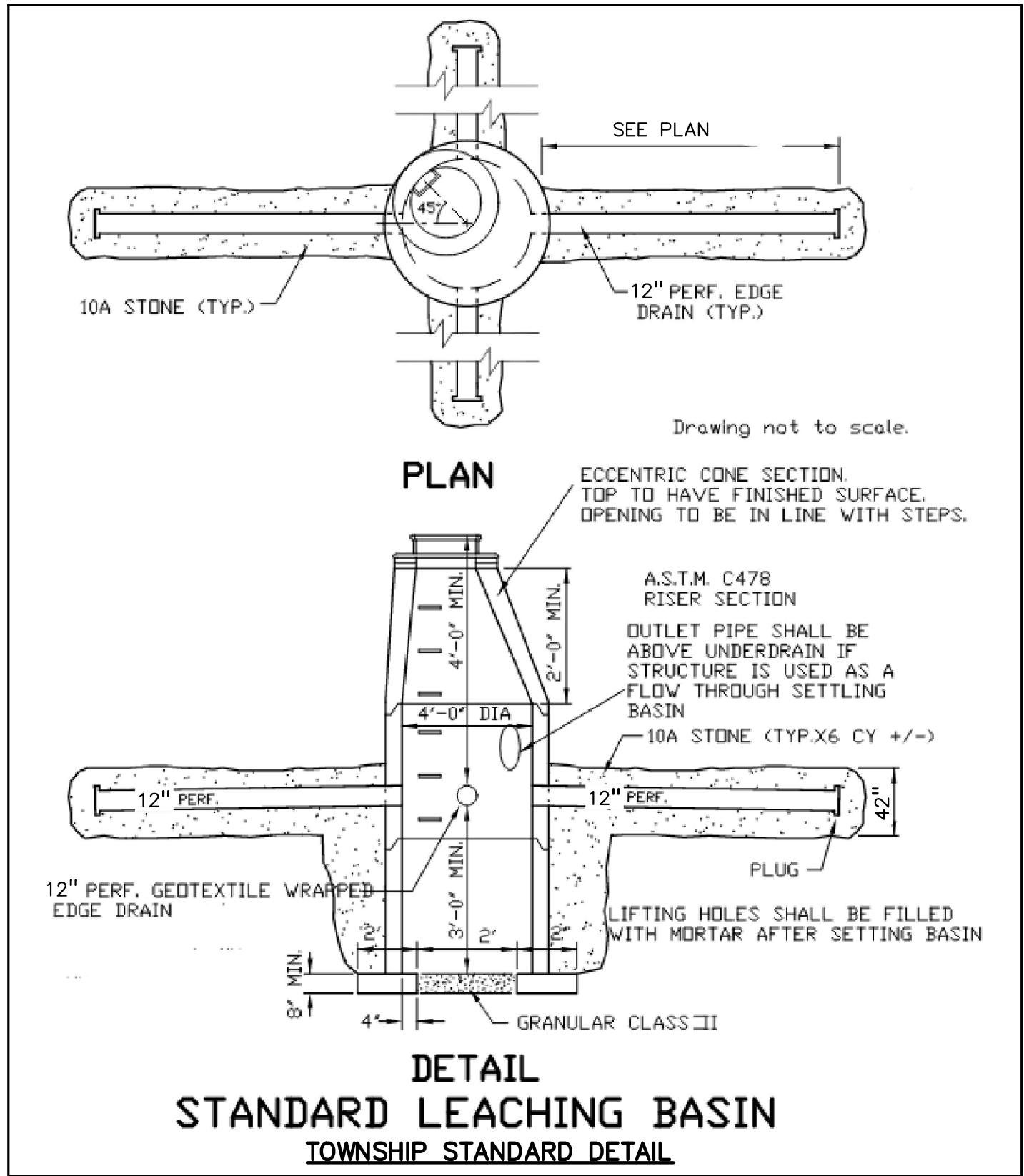
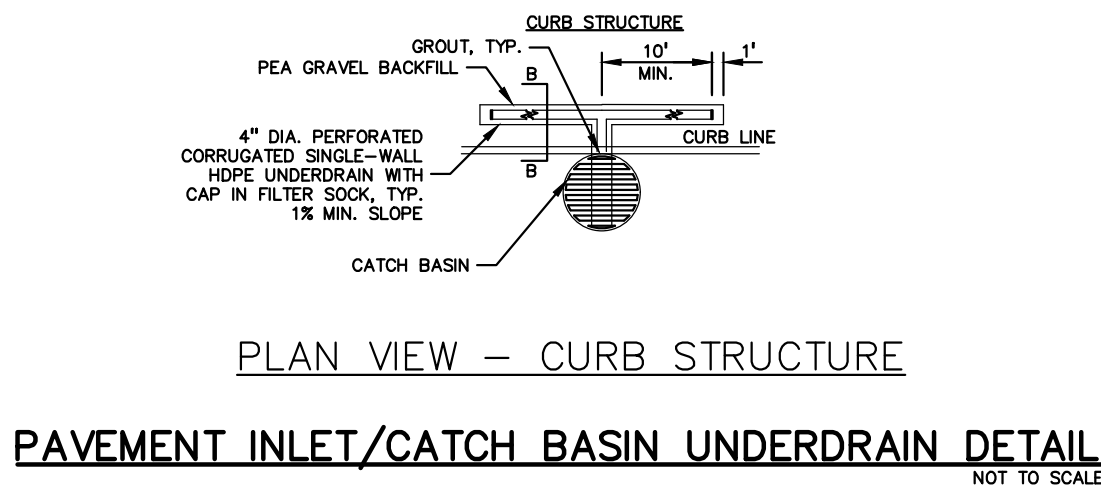
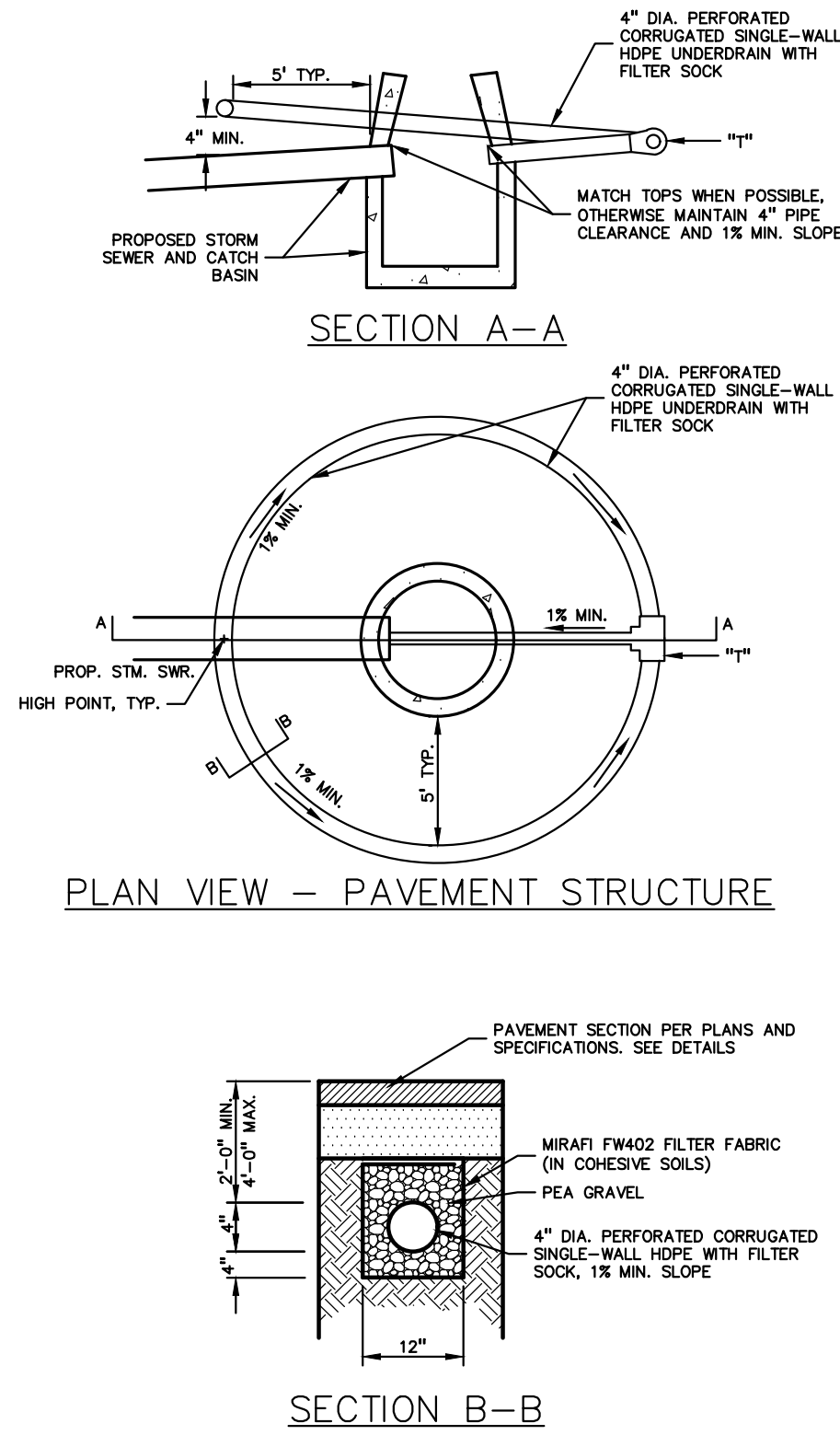
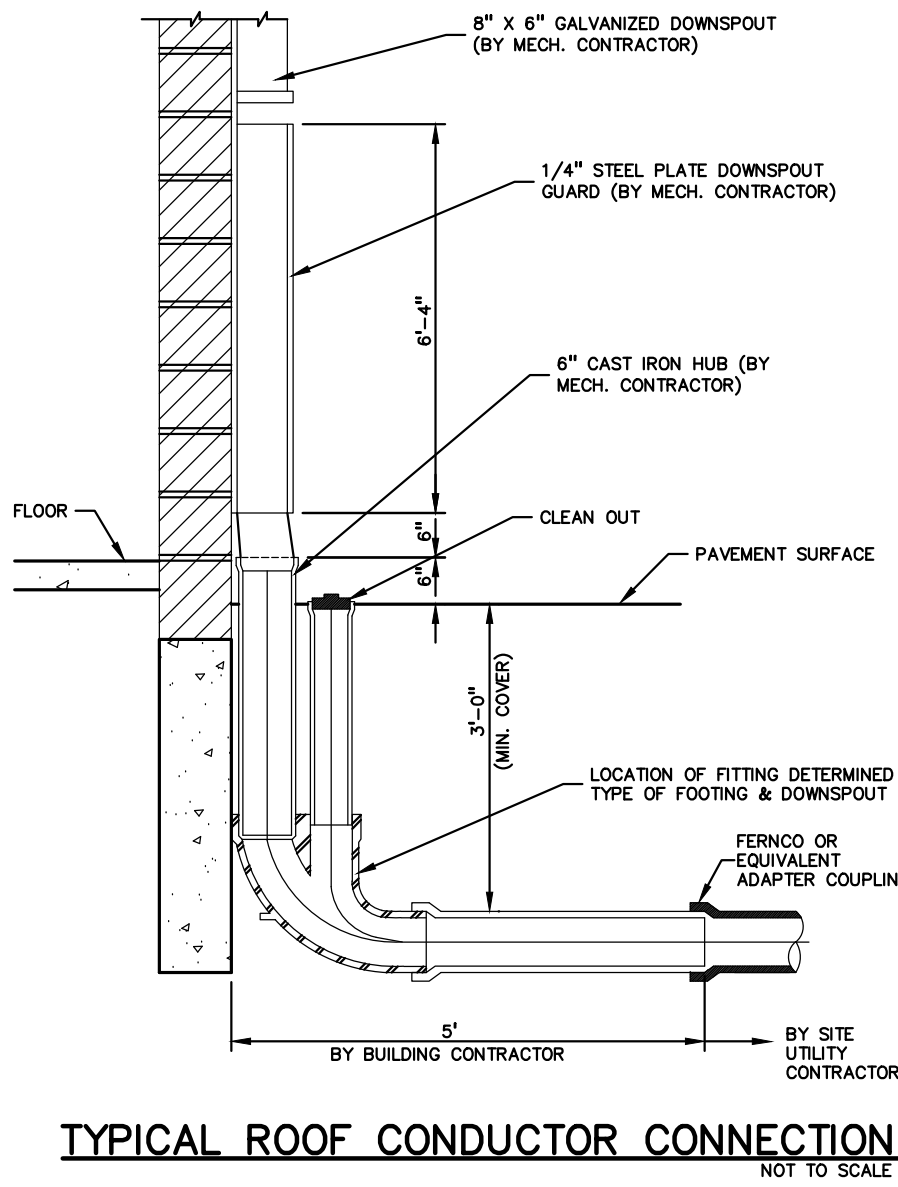
DRAWING TITLE  
**STORMWATER MANAGEMENT PLAN**

|             |            |
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| PEA JOB NO. | 20-0295.01 |
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| DN.         | JKS        |
| DES.        | JKS        |

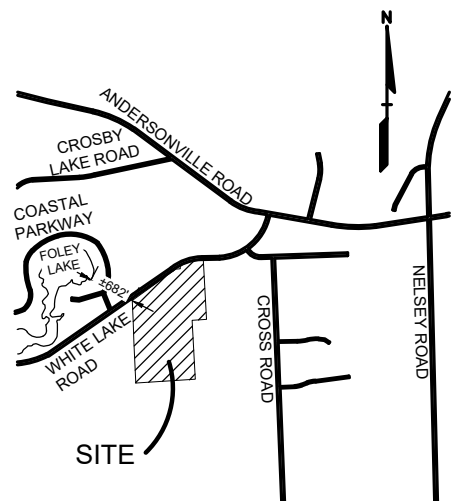
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NOT FOR CONSTRUCTION





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PROJECT TITLE  
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8275 WHITE LAKE ROAD  
WHITE LAKE TOWNSHIP, MICHIGAN

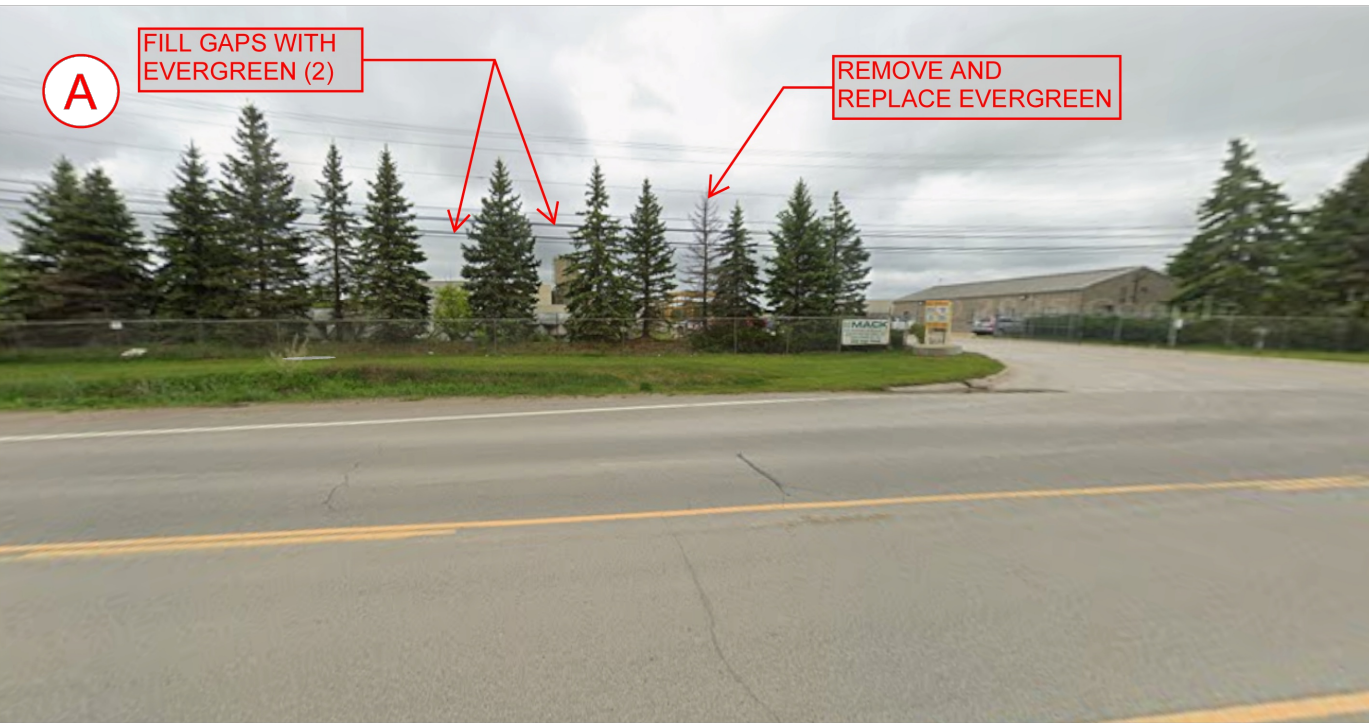
| REVISIONS     |         |
|---------------|---------|
| CITY COMMENTS | 4-30-26 |
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ORIGINAL ISSUE DATE:  
MARCH 30, 2026

DRAWING TITLE  
**NOTES AND DETAILS**

|                 |            |
|-----------------|------------|
| PEA JOB NO.     | 20-0295.01 |
| P.M.            | JH         |
| DN.             | JKS        |
| DES.            | JKS        |
| DRAWING NUMBER: |            |





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STATE OF MICHIGAN  
JOHN K STEBELTON  
License No. 6201311659  
Professional Engineer

NORTH

0 15 30 60  
SCALE: 1" = 30'

811 Know what's below. Call before you dig.

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ANDOVERVILLE RD  
CROSBY LAKE RD  
COASTAL PARKWAY  
WHITE LAKE RD  
WOODWARD RD  
SITE

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40900 WOODWARD AVE. SUITE 275  
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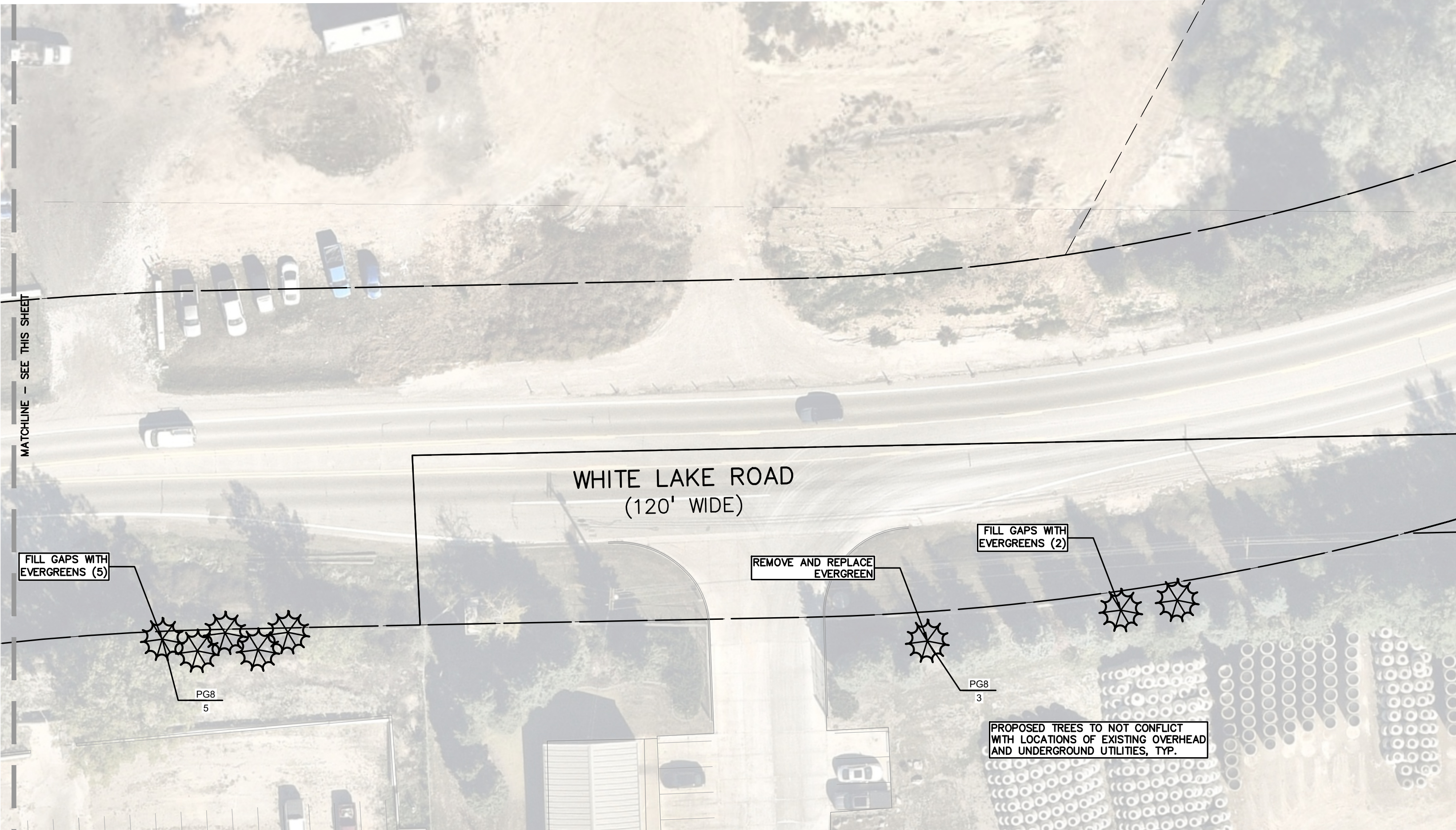
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|---------------------------------------------------------------------------------|------------|
| PROJECT TITLE                                                                   |            |
| <b>MACK INDUSTRIES</b><br>8275 WHITE LAKE ROAD<br>WHITE LAKE TOWNSHIP, MICHIGAN |            |
| REVISIONS                                                                       |            |
| CITY COMMENTS                                                                   | 4-30-26    |
| ORIGINAL ISSUE DATE:<br>MARCH 30, 2026                                          |            |
| DRAWING TITLE                                                                   |            |
| <b>WHITE LAKE ROAD SCREENING</b>                                                |            |
| PEA JOB NO.                                                                     | 20-0295.01 |
| P.M.                                                                            | JH         |
| DN.                                                                             | JKS        |
| DES.                                                                            | JKS        |
| DRAWING NUMBER:                                                                 |            |

NOT FOR CONSTRUCTION

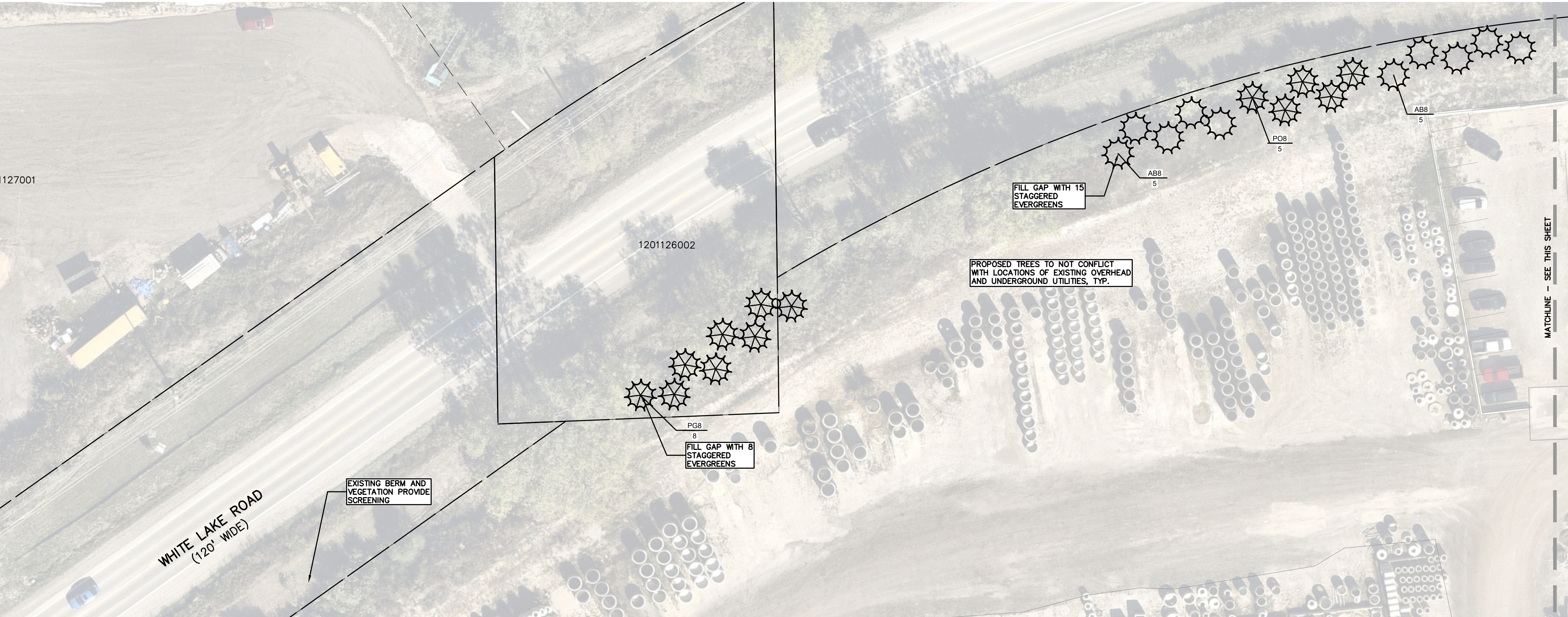
C-10.0

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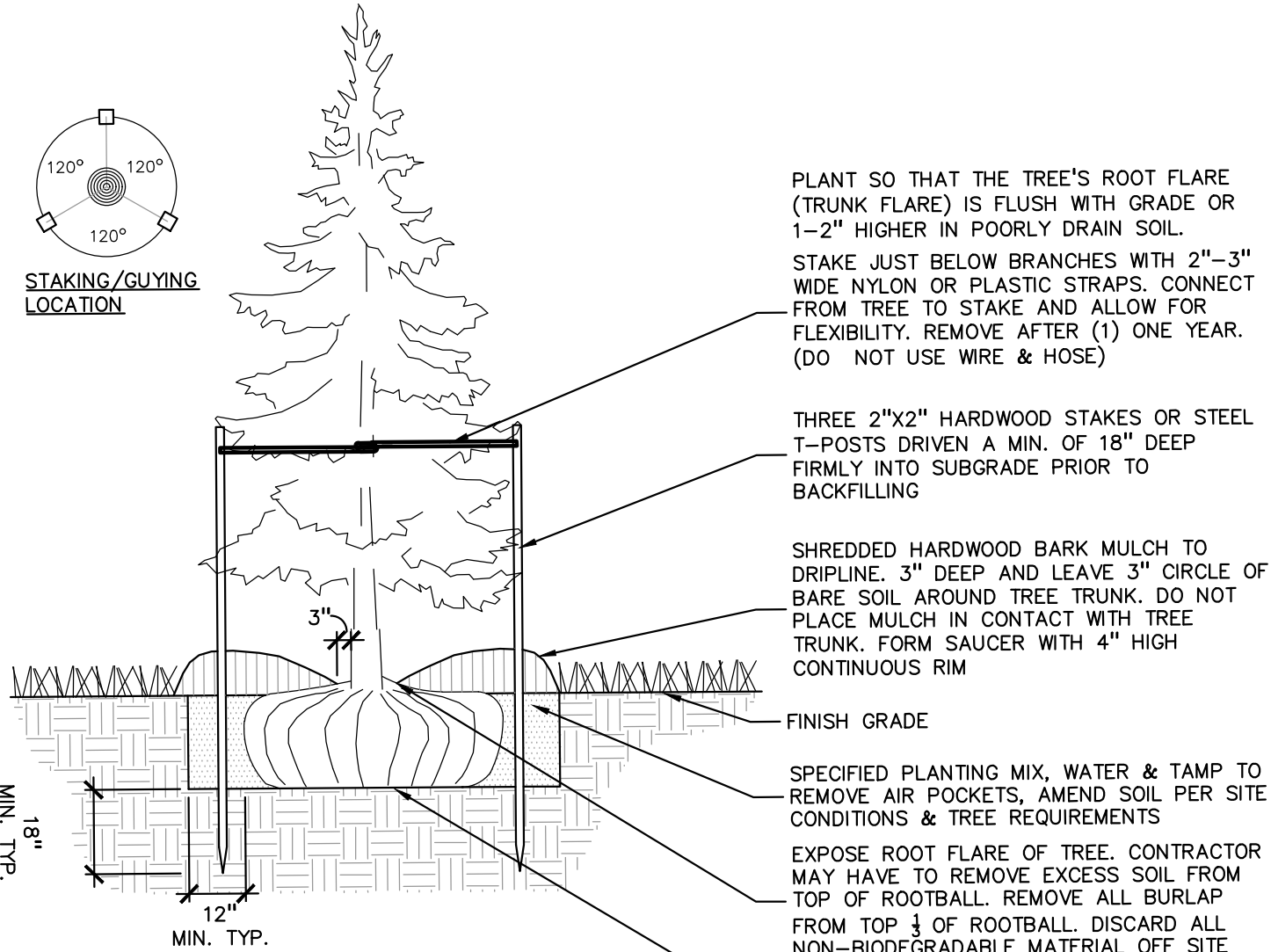




EAST END (A, B)



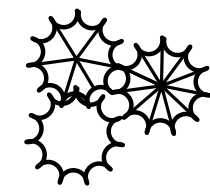
WEST END (A, B)



1 EVERGREEN TREE PLANTING DETAIL  
SCALE: 1" = 3'-0"

PLANT SCHEDULE

| CODE            | QTY | BOTANICAL NAME | COMMON NAME    | SIZE   | CONTAINER | SPACING  | DESIGNATION | REMARKS |
|-----------------|-----|----------------|----------------|--------|-----------|----------|-------------|---------|
| EVERGREEN TREES |     |                |                |        |           |          |             |         |
| AB8             | 10  | ABIES BALSAMEA | BALSAM FIR     | 8' HT. | B&B       | PER PLAN | NATIVE      |         |
| PG8             | 16  | PICEA GLAUCA   | WHITE SPRUCE   | 8' HT. | B&B       | PER PLAN | NATIVE      |         |
| PO8             | 5   | PICEA OMORIKA  | SERBIAN SPRUCE | 8' HT. | B&B       | PER PLAN | NON-NATIVE  |         |
|                 | 31  | SUBTOTAL:      |                |        |           |          |             |         |



KEY:  
= PROPOSED SCREENING EVERGREEN TREES PER SCREENING PLAN C-10.0

PER TOWNSHIP COMMENT:  
THE TOWNSHIP PC WILL NEED TO CONSIDER THE SITES EXISTING VEGETATION AND PROPOSED INFILL LANDSCAPE TO ASSESS IF WAIVERS ARE APPROPRIATE OR ADDITIONAL LANDSCAPE AND SCREENING IS NECESSARY.

LANDSCAPE CALCULATIONS:

PER WHITE LAKE TOWNSHIP ZONING ORDINANCE

SCREENING PER SECTION 5.19 N. 1 AND II:

REQUIRED IF PRESENT:

ALL TRASH ENCLOSURES, IF PRESENT, SHALL BE COMPLETELY SCREENED FROM VIEW, BY A DECORATIVE MASONRY ENCLOSURE WITH A GATE, MIN. 6' HT.

ALL GROUND MOUNTED AND ROOF TOP EQUIPMENT, IF PRESENT, SHALL BE SCREENED FROM VIEW FROM ANY STREET OR ADJ. PROPERTY BY A DECORATIVE WALL, NOT LESS THAN THE HT. OF THE EQUIPMENT TO BE SCREENED, OR SCREENED BY LANDSCAPING APPROVED BY PC.

NOTES PER WHITE LAKE TOWNSHIP ZONING ORDINANCE:

PINE TREES ARE PROHIBITED IN WHITE LAKE TWPS.

TREES SHALL NOT BE PLANTED CLOSER THAN 4' FEET FROM THE PROPERTY LINE.

SHREDDED HARDWOOD MULCH SHALL BE DOUBLE SHREDDED QUALITY.

ALL LANDSCAPE PLANTINGS SHALL BE GUARANTEED FOR 2 YEARS. THOSE WHICH ARE DISEASED OR DEAD MUST BE REPLACED IN CONFORMANCE WITH THE APPROVED LANDSCAPE PLAN. THE PLANTS MUST BE REPLACED WITH PLANTINGS OF THE SAME SIZE AS THOSE WHICH WERE REMOVED.

A CASH BOND OR STANDBY LETTER OF CREDIT IN AN AMOUNT EQUAL TO 125% OF THE COST TO INSTALL ANY INCOMPLETE IMPROVEMENTS AND 100% OF ANY INSTALLED IMPROVEMENTS MUST BE POSTED DURING WHICH THE GUARANTEE IS IN EFFECT. THE COMMUNITY DEVELOPMENT DIRECTOR OR HIS DESIGNEE SHALL REVIEW THE AMOUNT OF THE GUARANTEED FOR REASONABLENESS PRIOR TO APPROVAL.

GENERAL PLANTING NOTES:

- LANDSCAPE CONTRACTOR SHALL VISIT SITE, INSPECT EXISTING SITE CONDITIONS AND REVIEW PROPOSED PLANTING AND RELATED WORK. IN CASE OF DISCREPANCY BETWEEN PLAN AND PLANT LIST, PLAN SHALL GOVERN QUANTITIES. CONTACT LANDSCAPE ARCHITECT WITH ANY CONCERNS.
- CONTRACTOR SHALL VERIFY LOCATIONS OF ALL ON SITE UTILITIES PRIOR TO BEGINNING CONSTRUCTION ON HIS/HER PHASE OF WORK. ELECTRIC, GAS, TELEPHONE, CABLE TELEVISION MAY BE LOCATED BY CALLING MISS DIG 1-800-482-7171. ANY DAMAGE OR INTERRUPTION OF SERVICES SHALL BE THE RESPONSIBILITY OF CONTRACTOR. CONTRACTOR SHALL COORDINATE ALL RELATED ACTIVITIES WITH OTHER TRADES ON THE JOB AND SHALL REPORT ANY UNACCEPTABLE JOB CONDITIONS TO OWNER'S REPRESENTATIVE PRIOR TO COMMENCING.
- ALL PLANT MATERIAL TO BE PREMIUM GRADE NURSERY STOCK AND SHALL SATISFY AMERICAN ASSOCIATION OF NURSERYMEN STANDARD FOR NURSERY STOCK. ALL LANDSCAPE MATERIAL SHALL BE NORTHERN GROWN, NO. 1, GRADE.
- ALL PLANT MATERIAL SIZES INDICATED IN THE PLANT SCHEDULE ARE THE MINIMUM SIZE AT TIME OF INSTALLATION.
- CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES SHOWN ON LANDSCAPE PLAN PRIOR TO PRICING THE WORK.
- THE OWNER'S REPRESENTATIVE RESERVES THE RIGHT TO REJECT ANY PLANT MATERIAL NOT MEETING SPECIFICATIONS.
- ALL SINGLE STEM SHADE TREES TO HAVE STRAIGHT TRUNKS AND SYMMETRICAL CROWNS.
- ALL SINGLE TRUNK SHADE TREES TO HAVE A CENTRAL LEADER; TREES WITH FORKED OR IRREGULAR TRUNKS WILL NOT BE ACCEPTED.
- ALL MULT STEM TREES SHALL BE HEAVILY BRANCHED AND HAVE SYMMETRICAL CROWNS. ONE SIDED TREES OR THOSE WITH THIN OR OPEN CROWNS SHALL NOT BE ACCEPTED.
- ALL EVERGREEN TREES SHALL BE HEAVILY BRANCHED AND FULL TO THE GROUND, SYMMETRICAL IN SHAPE AND NOT SHEARED FOR THE LAST FIVE GROWING SEASONS.
- ALL TREES TO HAVE CLAY OR CLAY LOAM BALLS, TREES WITH SAND BALLS WILL BE REJECTED.
- NO MACHINERY IS TO BE USED WITHIN THE DRIP LINE OF EXISTING TREES; HAND GRADE ALL LAWN AREAS WITHIN THE DRIP LINE OF EXISTING TREES.
- ALL TREE LOCATIONS SHALL BE STAKED BY LANDSCAPE CONTRACTOR AND ARE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION OF THE PLANT MATERIAL.
- IT IS MANDATORY THAT POSITIVE DRAINAGE IS PROVIDED AWAY FROM ALL BUILDINGS.
- ALL PLANTING BEDS SHALL RECEIVE 3" DOUBLE SHREDDED HARDWOOD MULCH WITH PRE EMERGENT. SEE SPECIFICATIONS. SHREDDED PALETTE AND DYED MULCH WILL NOT BE ACCEPTED.
- ALL LANDSCAPED AREAS SHALL RECEIVE 3" COMPACTED TOPSOIL.
- SEE SPECIFICATIONS FOR ADDITIONAL COMMENTS, REQUIREMENTS, PLANTING PROCEDURES AND WARRANTY STANDARDS.
- FOR NON-LAWN SEED MIX AREAS, AS NOTED ON PLAN, BRUSH MOW ONCE SEASONALLY FOR INVASIVE SPECIES CONTROL.
- CONTRACTOR SHALL NOT INSTALL PLANTS UNDER BUILDING OVERHANG AND SHALL NOTIFY LANDSCAPE ARCHITECT IF DRAWINGS CONFLICT WITH BUILDING OVERHANGS.
- TREES SHALL NOT CONFLICT/ BLOCK PROPOSED REGULATORY/ DIRECTION SIGNAGE, MONUMENT SIGNS, ADDRESS OR LIGHT POLES. SHIFT TREES AS NECESSARY TYP.

PEA GROUP

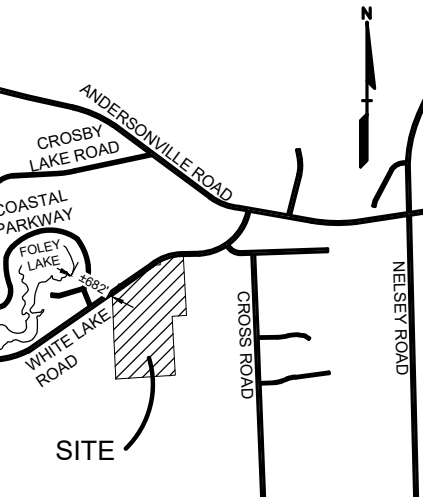
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www.peagroup.com



0 15 30 60  
SCALE: 1" = 30'



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CLIENT

**SALZEIDER, INC.**  
40900 WOODWARD AVE. SUITE 275  
BLOOMFIELD HILLS, MI 48304

PROJECT TITLE

**MACK INDUSTRIES**  
8275 WHITE LAKE ROAD  
WHITE LAKE TOWNSHIP, MICHIGAN

REVISIONS

CITY COMMENTS 4-30-26

ORIGINAL ISSUE DATE:  
MARCH 30, 2026

DRAWING TITLE

**PRELIMINARY LANDSCAPE PLAN**

PEA JOB NO. 20-0295.01

P.M. JH

DN. TKC

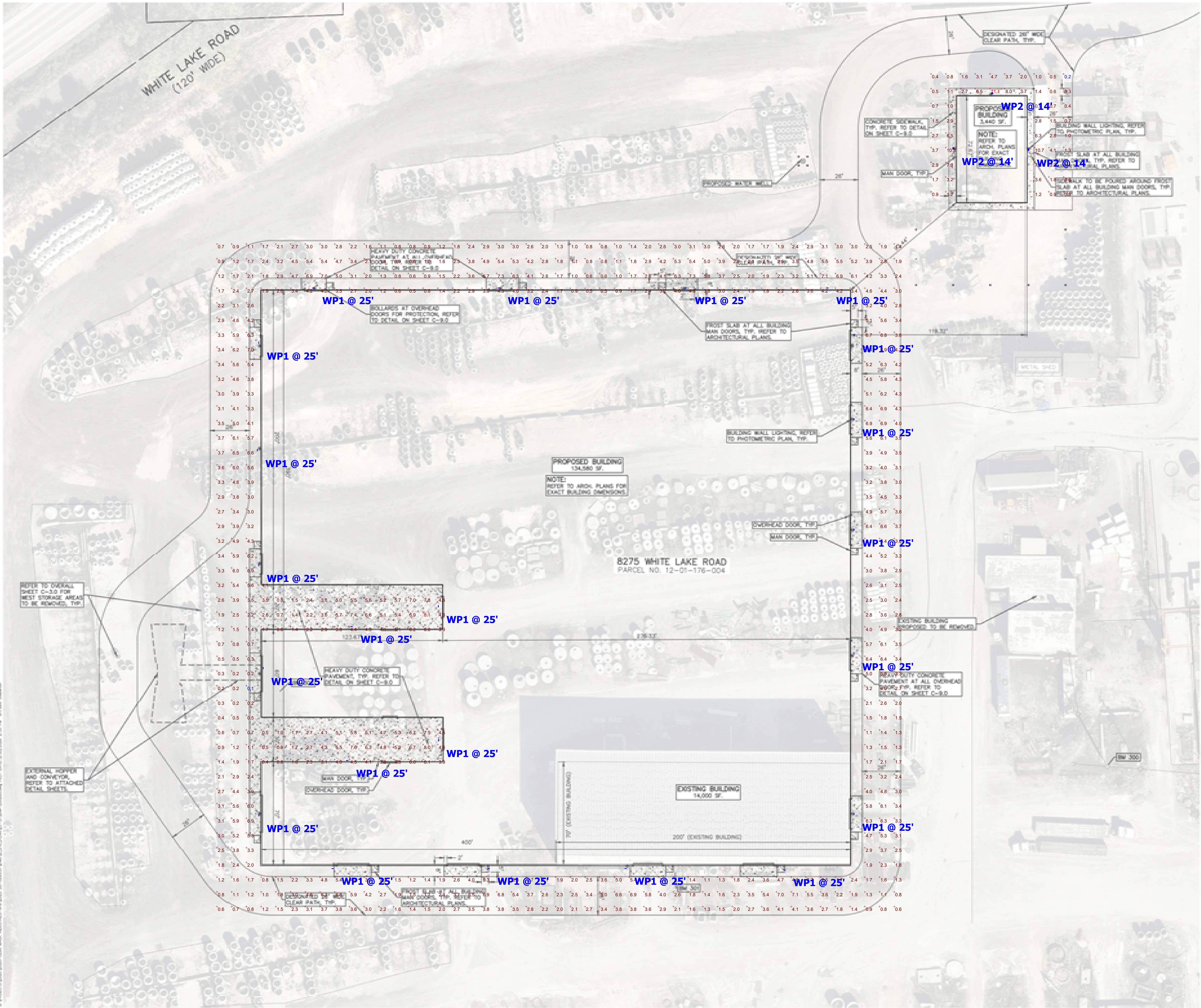
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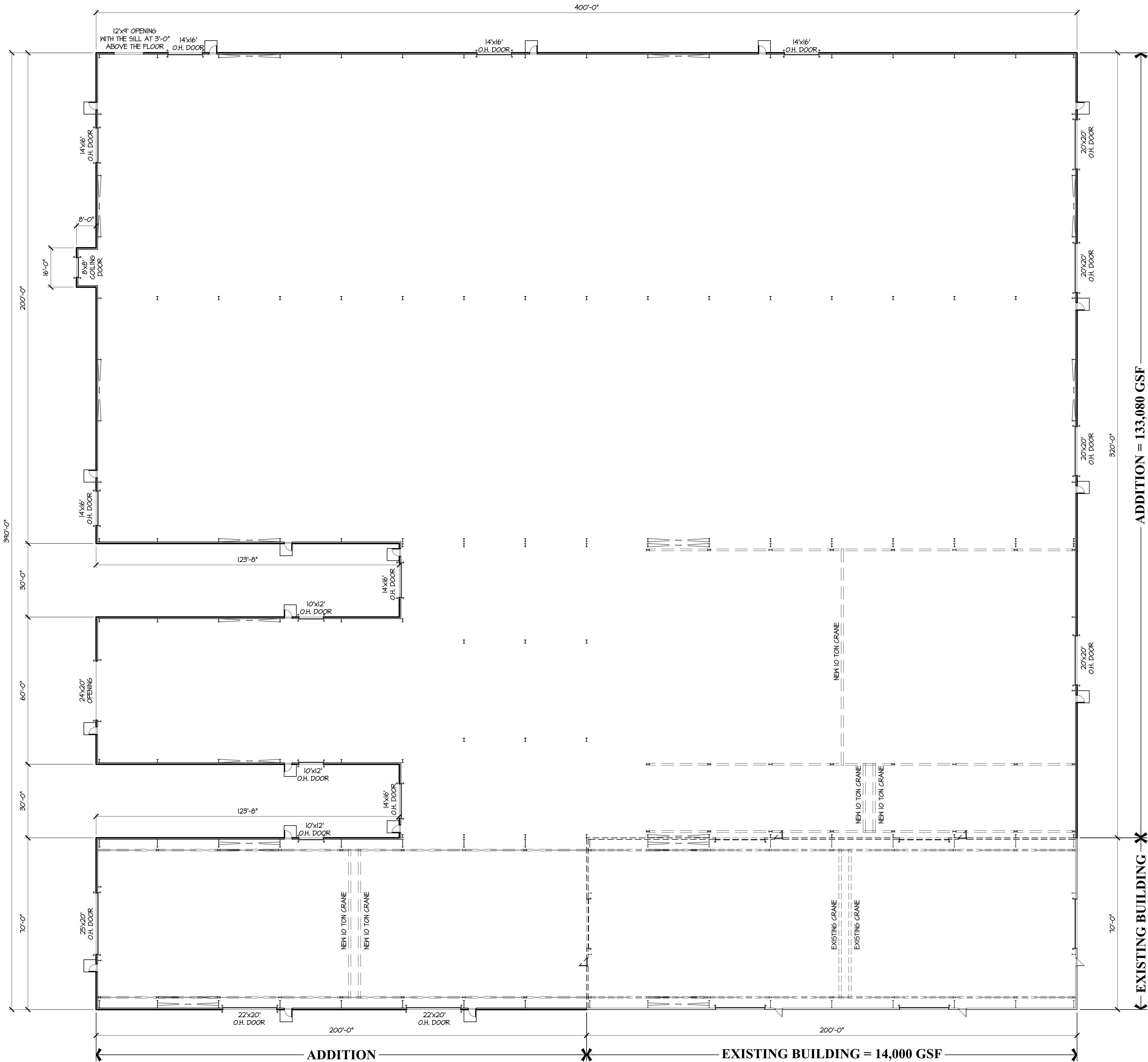


Plan View  
Scale: 1" = 25'

| Schedule                                                                              |        |        |                         |                 |         |         |
|---------------------------------------------------------------------------------------|--------|--------|-------------------------|-----------------|---------|---------|
| Symbol                                                                                | Label  | QTY    | Catalog Number          | Lumens per Lamp | Wattage |         |
|  | WP1    | 22     | ES2-130H-MV-NW-W-DB-450 | 19562           | 185.3   |         |
|  | WP2    | 3      | ES1-48H-MV-NW-W-XX-530  | 181             | 82.3    |         |
| Statistics                                                                            |        |        |                         |                 |         |         |
| Description                                                                           | Symbol | Avg    | Max                     | Min             | Max/Min | Avg/Min |
| Circ Zone #2                                                                          | +      | 3.3 fc | 8.1 fc                  | 0.1 fc          | 81.0:1  | 33.0:1  |
| Circ Zone #3                                                                          | +      | 2.8 fc | 11.1 fc                 | 0.2 fc          | 55.5:1  | 14.0:1  |

Designer  
Brian Mendez  
Date  
03/30/2026  
Scale  
Not to Scale  
Drawing No.  
Summary  
1 of 1





ADDITION = 133,080 GSF

EXISTING BUILDING

EXISTING BUILDING = 14,000 GSF

ADDITION



ADDITION PLAN

SCALE: 1" = 20'

| 2021 MICHIGAN BUILDING CODE REVIEW                                                                                                                                                                                                                          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CHAPTER 1 - ADMINISTRATION:                                                                                                                                                                                                                                 |
| 107.3.4 - DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE: KARL F. VOLLMAR<br>MICHIGAN LICENSE # 15010394372, EXPIRES 10-14-2021                                                                                                                                  |
| 107.3.4.1 - DEFERRED SUBMITTALS:<br>PRE-ENGINEERED METAL BUILDING (PEMB) SHOP DRAWINGS<br>PLUMBING DRAWINGS<br>MECHANICAL DRAWINGS<br>ELECTRICAL DRAWINGS                                                                                                   |
| CHAPTER 3 - OCCUPANCY:                                                                                                                                                                                                                                      |
| USE GROUP = CONCRETE FABRICATION = F-2 (306.3) LOW HAZARD FACTORY INDUSTRIAL<br>NOTE: THE CLOSEST INDUSTRIAL PROCESS LISTED IS "BRICK AND MASONRY"                                                                                                          |
| CHAPTER 5 - GENERAL BUILDING LIMITATIONS:                                                                                                                                                                                                                   |
| CRITERIA = USE GROUP (F-2), CONSTRUCTION TYPE 2B, AND NON-SPRINKLED.                                                                                                                                                                                        |
| T.504.3 - ALLOWABLE HEIGHT = 55'<br>PROPOSED HEIGHT = 50'-4" MAX. (COMPLIES)                                                                                                                                                                                |
| T.504.4 - ALLOWABLE NUMBER OF STORIES = 3<br>PROPOSED HEIGHT = 1 STORY (COMPLIES)                                                                                                                                                                           |
| 507.3 - THE AREA OF A GROUP F-2 BUILDING NOT MORE THAN ONE STORY IN HEIGHT SHALL NOT BE LIMITED WHERE THE BUILDING IS SURROUNDED AND ADJOINED BY PUBLIC WAYS OR YARDS NOT LESS THAN 60 FEET IN WIDTH (COMPLIES)                                             |
| CHAPTER 6 - TYPES OF CONSTRUCTION:                                                                                                                                                                                                                          |
| TYPE 2B = NON-COMBUSTIBLE/UNPROTECTED (602.2)                                                                                                                                                                                                               |
| FIRE-RATED ASSEMBLIES PER TABLE 601 = 0-HOUR                                                                                                                                                                                                                |
| CHAPTER 7 - FIRE AND SMOKE PROTECTION FEATURES:                                                                                                                                                                                                             |
| T.105.5 - EXTERIOR WALL FIRE RESISTANCE RATING = 0                                                                                                                                                                                                          |
| CHAPTER 8 - INTERIOR FINISHES:                                                                                                                                                                                                                              |
| WALL AND CEILING FINISHES - (TABLE 803.13):<br>ALL ROOMS AND ENCLOSED SPACES = CLASS 'C' = FLAME SPREAD = 76-200<br>ALL FINISHES SMOKE DEVELOPED = 0-450<br>FLOOR FINISHES (SECT. 804.4.2):<br>ALL AREAS = DOC FF-1 "PILL TEST" (PER CPSC 16 CFR PART 1630) |
| CHAPTER 9 - FIRE SUPPRESSION:                                                                                                                                                                                                                               |
| THE BUILDING IS NOT REQUIRED TO BE FIRE SUPPRESSED PER 903.2 FOR USE GROUP (F-2)                                                                                                                                                                            |
| TABLE 906.3(1) - FIRE EXTINGUISHERS FOR CLASS 'A' FIRE HAZARDS (MODERATE HAZARD):<br>- MINIMUM RATED SINGLE EXTINGUISHER = 2-A<br>- MAXIMUM FLOOR AREA PER EXTINGUISHER = 11,250 S.F.<br>- MAXIMUM TRAVEL DISTANCE TO EXTINGUISHER = 75 FT.                 |
| A FIRE ALARM SYSTEM: IS <u>NOT</u> REQUIRED FOR USE GROUP (F-2) PER 907.2.4                                                                                                                                                                                 |
| CHAPTER 10 - MEANS OF EGRESS:                                                                                                                                                                                                                               |
| OCCUPANT LOAD CRITERIA (TABLE 1004.5):<br>INDUSTRIAL AREAS = 1 OCC. PER 100 GSF MAX.<br>148,708 GSF/100 = 1,487 OCCUPANTS                                                                                                                                   |
| EGRESS WIDTH REQUIRED:<br>1009.3.2 - EGRESS COMPONENTS = 2" PER OCC.<br>REQUIRED WIDTH = 0.2 x 1,487 = 298" MIN.<br>PROVIDED WIDTH = (22) DOORS @ 32" CLEAR = 704" (COMPLIES)                                                                               |
| NUMBER OF EXITS (1006.2.1.1):<br>REQUIRED = 4<br>PROVIDED = 22 (COMPLIES)                                                                                                                                                                                   |
| DOOR SWING (1010.1.2.1):<br>DOORS SHALL SWING IN THE DIRECTION OF EGRESS TRAVEL WHERE SERVING A ROOM OR AREA CONTAINING AN OCCUPANT LOAD OF 50 OR MORE PERSONS                                                                                              |
| PLUMBING CODE NOTES:                                                                                                                                                                                                                                        |
| RESTROOM FACILITIES ARE PROVIDED IN ANOTHER BUILDING - REFER TO SHEET #A3 FOR THE REQUIRED NUMBER OF PLUMBING FIXTURE CALCULATIONS                                                                                                                          |

**BUILDING AREA TABULATIONS  
(PER THE ZONING ORDINANCE):**  
EXISTING BUILDING = 14,000 GSF  
BUILDING ADDITIONS = 134,708 GSF  
NEW BUILDING AREA = 148,708 GSF

PV  
A

PUCCI + VOLLMAR  
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ARCHITECTURE + DESIGN + PLANNING  
P.O. BOX #1923, BRIGHTON, MI 48116-5723  
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STATE OF MICHIGAN  
KARL F. VOLLMAR  
ARCHITECT  
15010394372  
LICENSED ARCHITECT

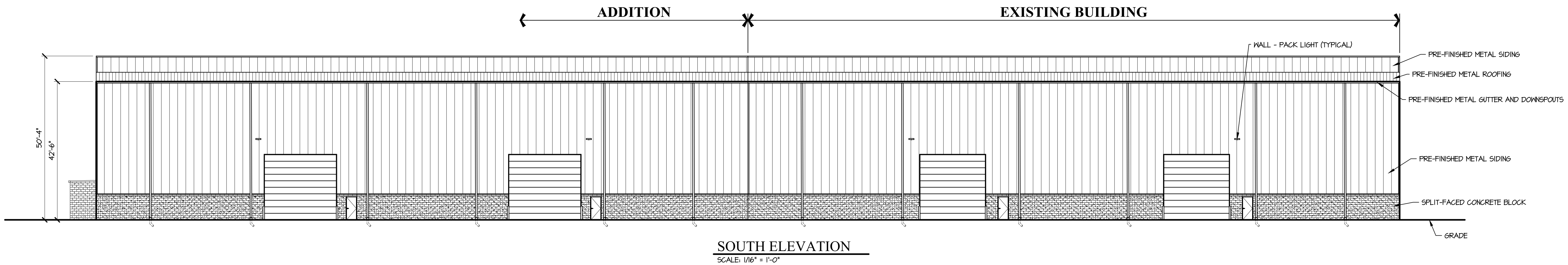
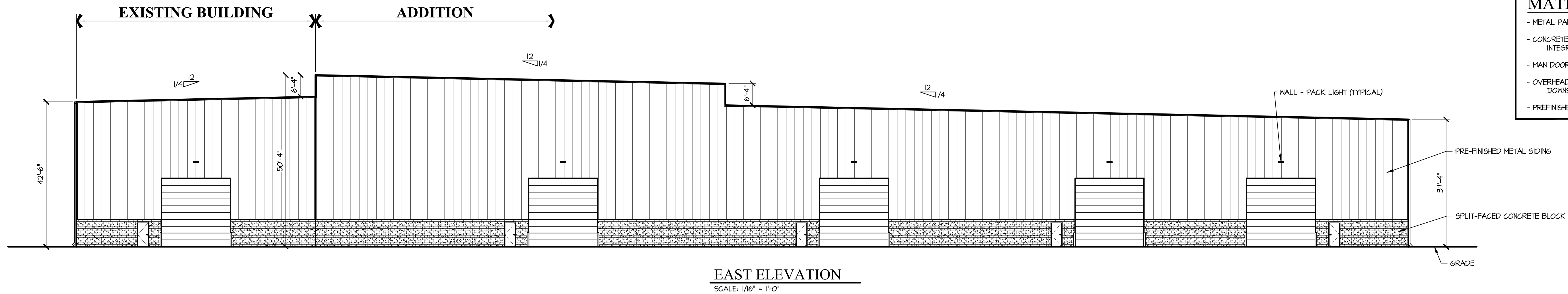
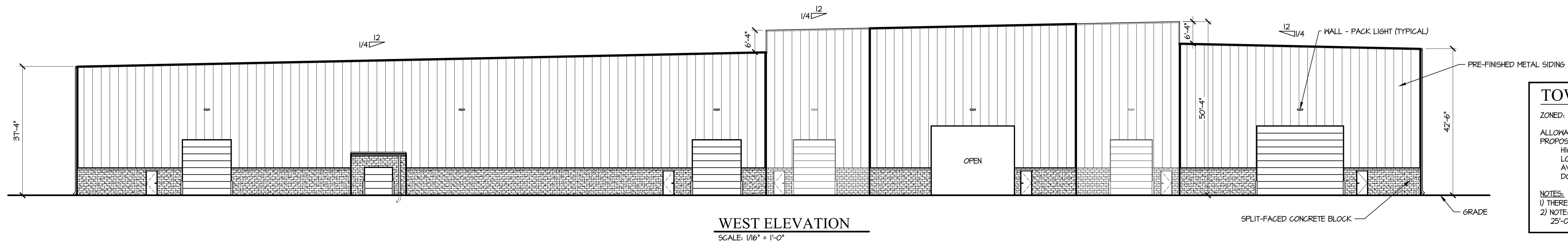
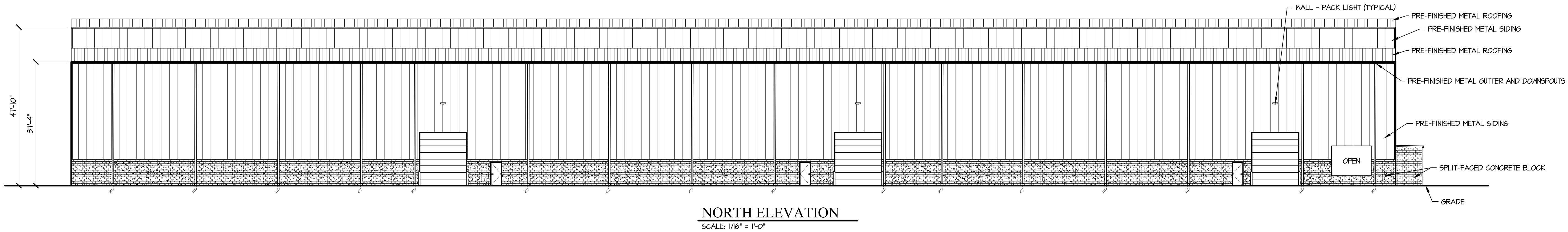
FOR:  
**SALZEIDER**  
DESIGN + CONSTRUCT

PROJECT: **MACK INDUSTRIES**  
8275 WHITE LAKE ROAD  
WHITE LAKE TWP., MICHIGAN

SHEET: **ADDITION PLAN**

|                                                       |                                |                             |                                 |      |
|-------------------------------------------------------|--------------------------------|-----------------------------|---------------------------------|------|
| DO NOT SCALE THIS PRINT.<br>USE DIMENSIONS SHOWN ONLY | REVISED PER OWNER<br>4-30-2026 | BUILDING PERMIT<br>4-1-2026 | SITE PLAN APPROVAL<br>3-30-2026 | DATE |
| DRAWN BY: KY                                          | APPROVED BY: KY                | PROJECT: 2606               |                                 |      |
| SHEET: <b>A1</b>                                      |                                |                             |                                 |      |





**TOWNSHIP REGULATIONS:**

ZONED: LM - LIGHT MANUFACTURING (SECTION 3.1.20)

ALLOWABLE HEIGHT = 40 FT. / 2 STORIES

PROPOSED HEIGHT = 1 STORY:

HIGH POINT = 50'-4"

LOW POINT = 37'-4"

AVERAGE HEIGHT = 43'-10"

DOES NOT COMPLY - VARIANCE REQUESTED

**NOTES:**

1) THERE IS NO ROOF TOP MECHANICAL EQUIPMENT.

2) NOTE: ALL WALL-PACK LIGHTING IS MOUNTED AT 25'-0" A.F.F. AND IS DIRECTED DOWNWARD.

**MATERIALS:**

- METAL PANELS = NUCOR, COLOR: DESERT SAND.
- CONCRETE BLOCK = NATIONAL BLOCK INTEGRALLY COLORED: KHAKI
- MAN DOORS = PAINTED TO MATCH CONG. BLOCK COLOR.
- OVERHEAD DOORS, METAL TRIM, GUTTERS, AND DOWNSPOUTS = COLOR TO MATCH NUCOR SIDING.
- PREFINISHED METAL ROOFING COLOR = GALVALUME



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FOR:  
**SALZEIDER**  
DESIGN + CONSTRUCT

PROJECT: **MACK INDUSTRIES**  
8275 WHITE LAKE ROAD  
WHITE LAKE TWP., MICHIGAN

SHEET: **EXTERIOR ELEVATIONS**

| REVISED PER OWNER | BUILDING PERMIT | SITE PLAN APPROVAL | DATE | ISSUED FOR |
|-------------------|-----------------|--------------------|------|------------|
| 4-30-2026         | 4-1-2026        | 3-30-2026          |      |            |

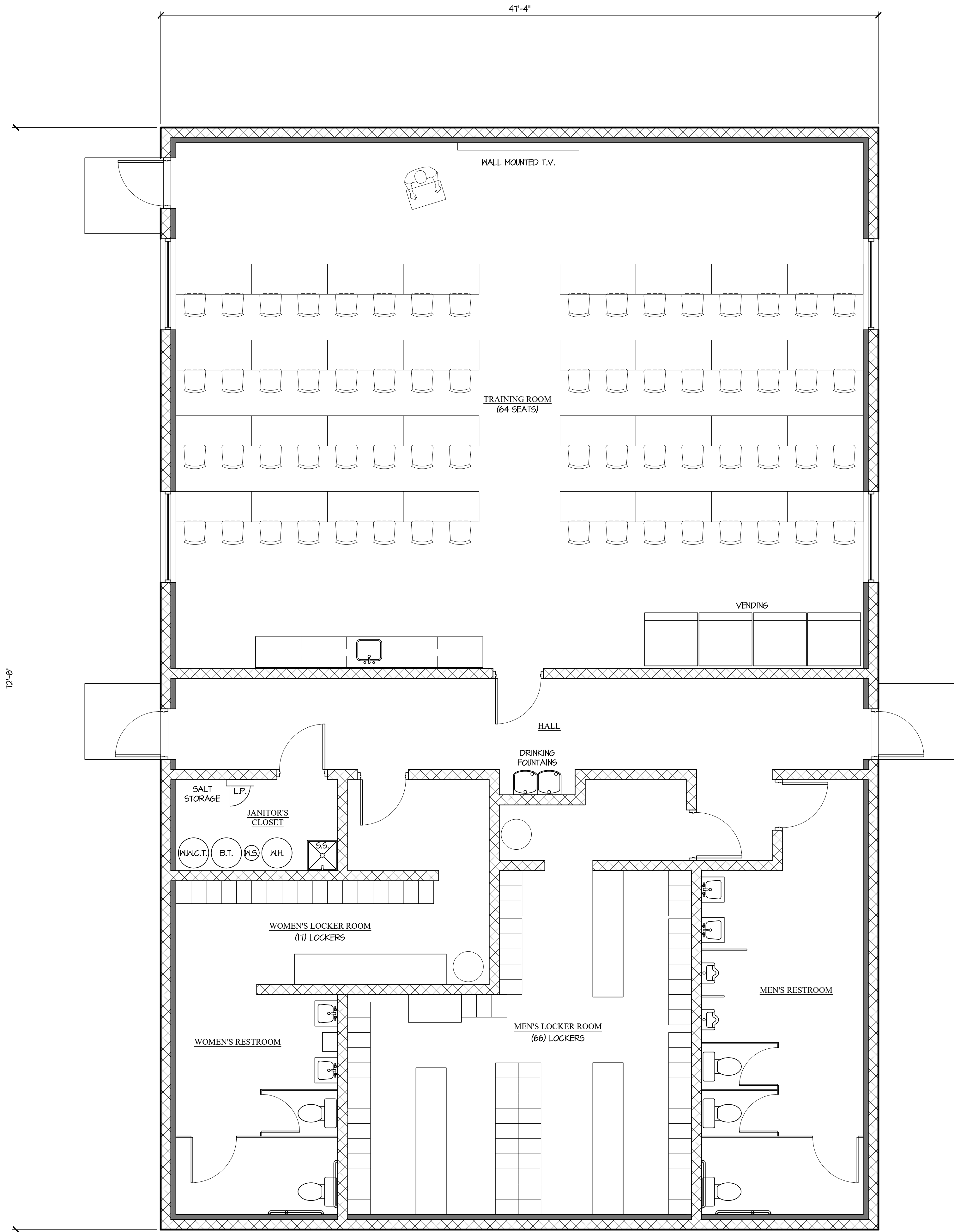
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APPROVED BY: KY

PROJECT: 2606

SHEET:  
**A2**





TRAINING ROOM BUILDING PLAN = 3,440 GSF  
SCALE: 1/4" = 1'-0"

| 2021 MICHIGAN BUILDING CODE REVIEW                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CHAPTER 1 - ADMINISTRATION:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 107.3.4 - DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE: KARL F. VOLLMAR<br>MICHIGAN LICENSE # 1301039372, EXPIRES 10-19-2021                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 107.3.4.1 - DEFERRED SUBMITTALS:<br>PLUMBING DRAWINGS<br>MECHANICAL DRAWINGS<br>ELECTRICAL DRAWINGS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| CHAPTER 3 - OCCUPANCY:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| USE GROUP = (B) BUSINESS (304.1)<br>NOTE: THE BUILDING HOUSES A TRAINING ROOM (EDUCATION USE ABOVE 12TH GRADE),<br>RESTROOMS, AND LOCKER ROOMS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| CHAPTER 5 - GENERAL BUILDING LIMITATIONS:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| CRITERIA = USE GROUP (B), CONSTRUCTION TYPE 2B, AND NON-SPRINKLED.<br><br>ALLOWABLE HEIGHT = 55' MAX. (TABLE 504.3)<br>ALLOWABLE STORIES = 3 MAX. (TABLE 504.4)<br>PROPOSED HEIGHT = 16'-10" / 1 STORY (COMPLIES)<br><br>ALLOWABLE AREA FACTOR = N5 (TABLE 506.2)<br>ALLOWABLE AREA = 23,000 GSF<br>PROPOSED AREA = 3,440 GSF (COMPLIES)                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| CHAPTER 6 - TYPES OF CONSTRUCTION:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| TYPE 2B = NON-COMBUSTIBLE/UNPROTECTED (602.2)<br>FIRE-RATED ASSEMBLIES PER TABLE 601 = 0-HOUR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| CHAPTER 7 - FIRE AND SMOKE PROTECTION FEATURES:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| T.105.5 - EXTERIOR WALL FIRE RESISTANCE RATING = 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| CHAPTER 8 - INTERIOR FINISHES:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| WALL AND CEILING FINISHES - (TABLE 803.13):<br>CORRIDORS = CLASS 'B' = FLAME SPREAD = 0-75<br>ALL ROOMS AND ENCLOSED SPACES = CLASS 'C' = FLAME SPREAD = 0-200<br>ALL FINISHES SMOKE DEVELOPED = 0-450<br>FLOOR FINISHES (SECT. 804.4.2):<br>CORRIDORS = II = 0.22 WATTS/CM <sup>2</sup> OR GREATER (PER ASTM E648, OR NFPA 253)<br>ALL AREAS = DOC FF-1 "FILL TEST" (PER CPSC 16 CFR PART 1630)                                                                                                                                                                                                                                                                                                                                                                                                                 |
| CHAPTER 9 - FIRE SUPPRESSION:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| THE BUILDING IS NOT REQUIRED TO BE FIRE SUPPRESSED PER 903.2 FOR USE GROUP (B)<br><br>TABLE 906.3(1) - FIRE EXTINGUISHERS FOR CLASS 'A' FIRE HAZARDS (MODERATE HAZARD):<br>- MINIMUM RATED SINGLE EXTINGUISHER = 2-A<br>- MAXIMUM FLOOR AREA PER EXTINGUISHER = 11,250 S.F.<br>- MAXIMUM TRAVEL DISTANCE TO EXTINGUISHER = 75 FT.<br><br>A FIRE ALARM SYSTEM: IS NOT REQUIRED FOR USE GROUP (B) PER 907.2.2                                                                                                                                                                                                                                                                                                                                                                                                      |
| CHAPTER 10 - MEANS OF EGRESS:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| OCCUPANT LOAD CRITERIA (TABLE 1004.5):<br>ASSEMBLY - TABLES AND CHAIRS = 1 OCC. PER 15 NSF MAX. = 1572/15 = 105 OCC. MIN.<br>LOCKER ROOMS = 1 OCC. PER 50 GSF MAX. = 1176/50 = 24 OCC. MIN.<br>TOTAL OCCUPANT LOAD = 105 + 24 = 129<br><br>EGRESS WIDTH REQUIRED:<br>1005.3.2 - EGRESS COMPONENTS = 2' PER OCC.<br>REQUIRED WIDTH = 0.2 x 129 = 26' MIN.<br>PROVIDED WIDTH = (2) DOORS @ 32' CLEAR = 64' (COMPLIES)<br><br>NUMBER OF EXITS (1006.2.1.1):<br>REQUIRED = 2<br>PROVIDED = 2 (COMPLIES)<br><br>T.1006.2.1 - SPACES WITH ONE EXIT<br>USE GROUP B MAX. OCCUPANTS = 44<br>TWO REMOTE EXITS ARE REQUIRED FROM THE TRAINING ROOM<br><br>DOOR SWING (1010.2.1.1):<br>DOORS SHALL SWING IN THE DIRECTION OF EGRESS TRAVEL WHERE SERVING A ROOM OR<br>AREA CONTAINING AN OCCUPANT LOAD OF 50 OR MORE PERSONS |

| MINIMUM NUMBER OF PLUMBING FACILITIES PER THE 2021 MICHIGAN PLUMBING CODE - TABLE 403.1 |                                                                                                                                         |                                                      |                                                    |                  |
|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|----------------------------------------------------|------------------|
| OCCUPANCY AND<br>OCCUPANT LOAD                                                          | WATER CLOSETS                                                                                                                           | LAVATORIES                                           | DRINKING FOUNTAINS                                 | SERVICE<br>SINKS |
| INDUSTRIAL<br>100 OCCUPANTS<br>(403.1 EXCEPTION #1)                                     | REQ'D. @ 1 PER 100 =<br>100 / 100 =<br>1.00 REQ'D.                                                                                      | REQ'D. @ 1 PER 100 =<br>100 / 100 =<br>1.00 REQ'D.   | REQ'D. @ 1 PER 400 =<br>100 / 400 =<br>0.25 REQ'D. |                  |
| BUSINESS<br>129 OCCUPANTS                                                               | REQ'D. @ 1 + 1 PER 50 =<br>129 / 50 =<br>3.58 REQ'D.                                                                                    | REQ'D. @ 1 + 1 PER 80 =<br>129 / 80 =<br>2.61 REQ'D. | REQ'D. @ 1 PER 100 =<br>129 / 100 =<br>1.29 REQ'D. |                  |
| TOTAL FIXTURES<br>REQUIRED<br>(SEE NOTE P.403.1.1)                                      | 4.58 = 5 =<br>3 MEN<br>2 WOMEN                                                                                                          | 3.61 = 4 =<br>2 MEN<br>2 WOMEN                       | 1.54 = 2 =<br>1 HIGH<br>1 LOW                      | 1                |
| TOTAL FIXTURES<br>PROVIDED                                                              | 3 MEN + 2 URINAL<br>2 WOMEN                                                                                                             | 2 MEN<br>2 WOMEN                                     | 1 HIGH<br>1 LOW                                    | 1                |
| NOTES:                                                                                  | P.403.1<br>EXCEPTION #1<br>OWNER MAY PROVIDE AN AFFIDAVIT INDICATING THE ACTUAL NUMBER OF OCCUPANTS IN THE SPACE.                       |                                                      |                                                    |                  |
|                                                                                         | P.403.1.1<br>EXCEPTION #1<br>OWNER MAY PROVIDE STATISTICAL DATA INDICATING A DISTRIBUTION OF SEXES OTHER THAN<br>50% MEN AND 50% WOMEN. |                                                      |                                                    |                  |

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STATE OF MICHIGAN  
KARL F. VOLLMAR  
DESIGNER  
#1301039372  
LICENSED ARCHITECT

FOR:  
SALZEIDER  
DESIGN + CONSTRUCT

PROJECT: SHEET  
TITLE

MACK INDUSTRIES  
8275 WHITE LAKE ROAD  
WHITE LAKE TWP., MICHIGAN  
TRAINING ROOM BUILDING PLAN

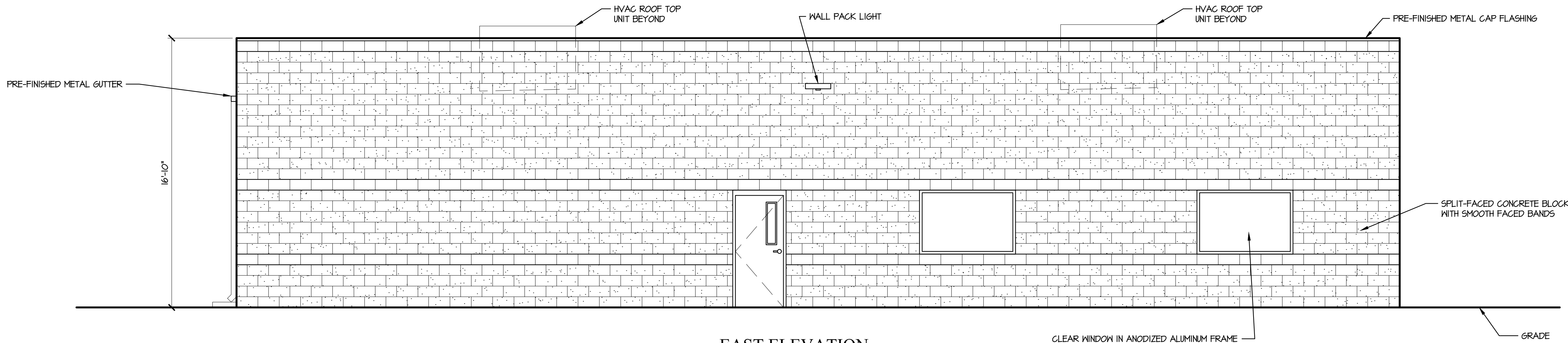
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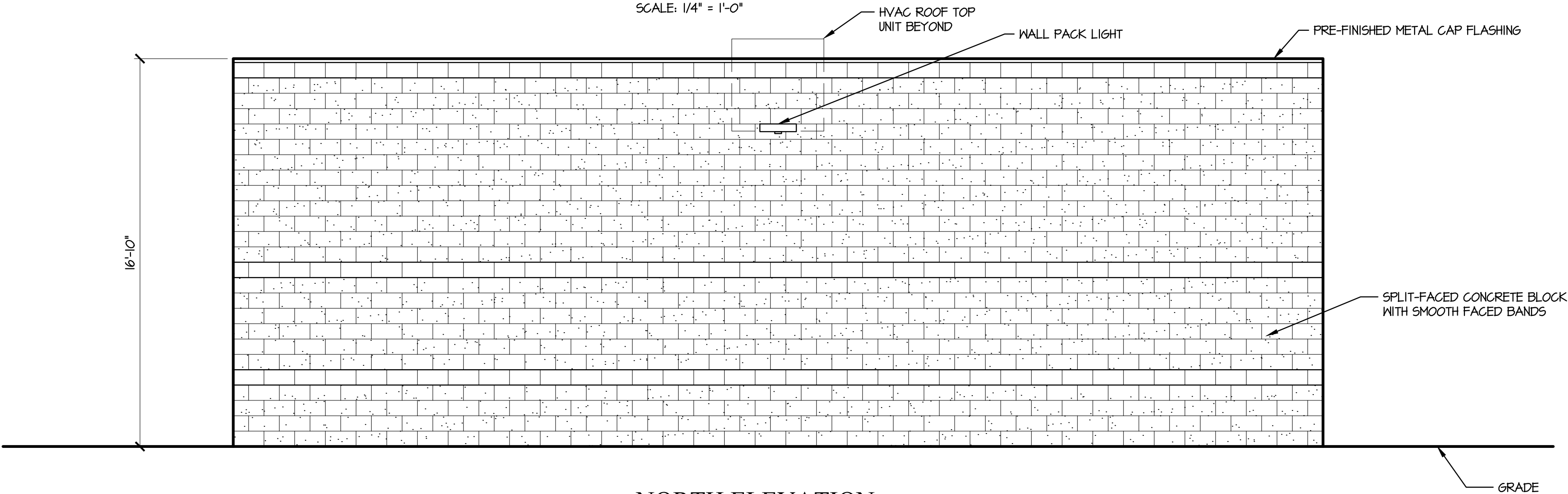
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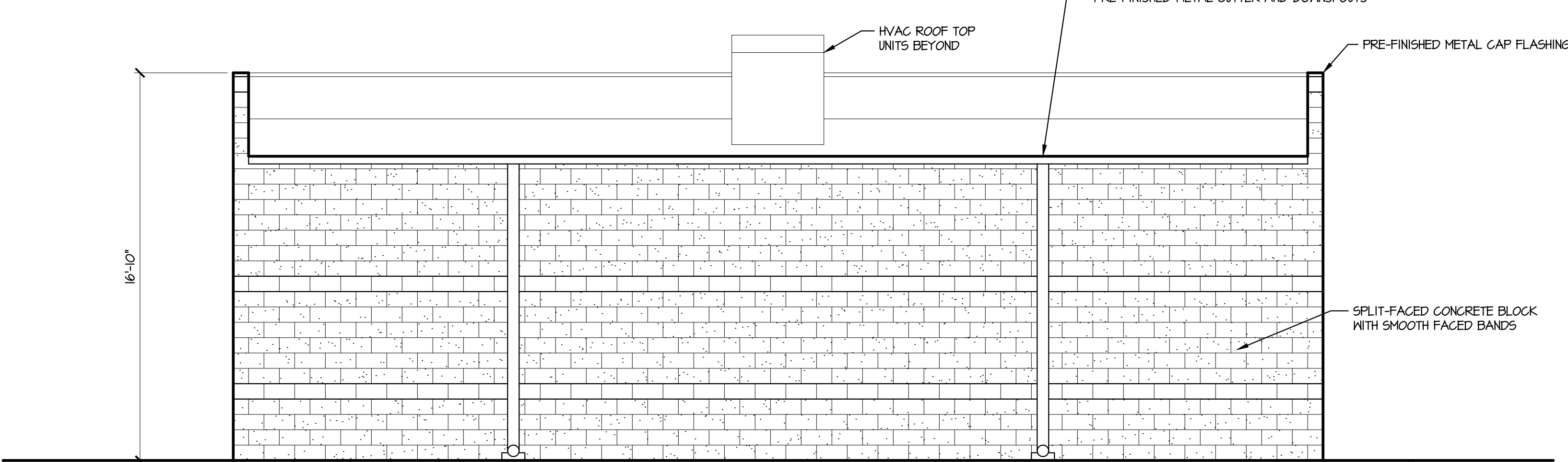
EAST ELEVATION

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



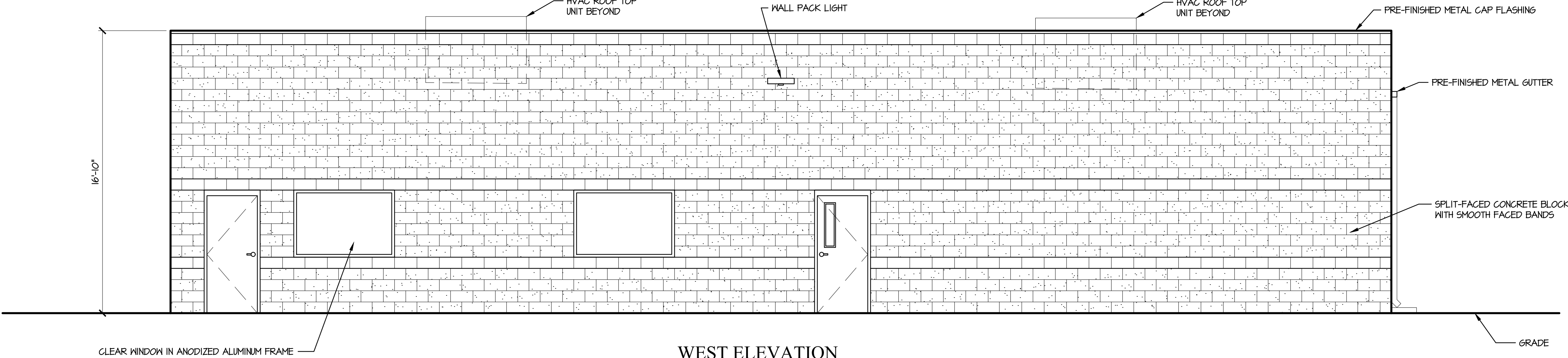
NORTH ELEVATION

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



SOUTH ELEVATION

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



WEST ELEVATION

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

TOWNSHIP REGULATIONS:

ZONED: LM - LIGHT MANUFACTURING (SECTION 3.1.20)

ALLOWABLE HEIGHT = 40 FT. / 2 STORIES

PROPOSED HEIGHT = 16'-10" / 1 STORY

NOTE: ALL WALL-PACK LIGHTING IS MOUNTED AT 14'-0" A.F.F. AND IS DIRECTED DOWNWARD.

MATERIALS:

- METAL CAP FLASHING, GUTTERS, AND DOWNSPOUTS = NUCOR, COLOR: DESERT SAND.

- CONCRETE BLOCK = NATIONAL BLOCK INTEGRALLY COLORED: KHAKI

- MAN DOORS = PAINTED TO MATCH CONC. BLOCK COLOR.



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FOR:  
**SALZEIDER**  
DESIGN + CONSTRUCT

| PROJECT                                                                     | SHEET TITLE                                            |
|-----------------------------------------------------------------------------|--------------------------------------------------------|
| <b>MACK INDUSTRIES</b><br>8275 WHITE LAKE ROAD<br>WHITE LAKE TWP., MICHIGAN | TRAINING ROOM BUILDING PLAN<br>AND EXTERIOR ELEVATIONS |

|                                                       |                                |                             |                                 |                  |
|-------------------------------------------------------|--------------------------------|-----------------------------|---------------------------------|------------------|
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