

GENOA CHARTER TOWNSHIP Special Land Use Application

GENOA TOWNSHIP

APR - 4 2018

RECEIVED

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

| APPLICANT NAME & ADDRESS: Ken McQuade, ACS Build, Inc., 28525 Beck Road, Suite 118, Wixom, MI 48393 |
|--|
| Submit a letter of Authorization from Property Owner if application is signed by Acting Agent. |
| APPLICANT PHONE: (248) 348-9911 EMAIL: kmcquade@acsbuild.com |
| OWNER NAME & ADDRESS: Truck & Trailer Specialties |
| SITE ADDRESS: Vacant Land, Grand Oaks Drive PARCEL #(s): 4711-05-300-054 |
| OWNER PHONE: (blb) 734-4968 EMAIL: bbouwman & ++ Spec |
| Location and brief description of site and surroundings: Parcel is located on the west side of Grand Oaks Drive, south of Grand River. Parcel is vacant and wooded, approximately 10.03 Acres. |
| Proposed Use: The proposed use is a new 30,000 S.F. building, specializing in Truck and Snow Equipment. |
| Describe how your request meets the Zoning Ordinance General Review Standards (section 19.03): a. Describe how the use will be compatible and in accordance with the goals, objectives, and policies of the Genoa Township Comprehensive Plan and subarea plans, and will promote the Statement of Purpose of the zoning district in which the use is proposed. Site is being used for industrial purpose in industrial zoning. Adjacent properties outdoor storage. |
| Site is being used for industrial purpose in industrial zoning. |
| b. Describe how the use will be designed, constructed, operated, and maintained to be compatible with, and not significantly alter, the existing or intended character of the general vicinity. Design in accordance with Genoa Township requirements. |
| |
| c. How will the use be served adequately by essential public facilities and services such as highways, streets, police and fire protection, drainage structures, water and sewage facilities, refuse disposal and schools? |
| Site will provide entrance from Grand Oaks Drive and tie into existing public utilities. Storm water detained per requirements |
| and outlet to wetland. |
| |

| d. Will the use involve any uses, activities, processes, or materials potentially detrimental to the natural environment, public health, safety, or welfare by reason of excessive production of traffic, noise, vibration, smoke, fumes, odors, glare, or other such nuisance? If so, how will the impacts be mitigated? |
|---|
| No |
| |
| |
| e. Does the use have specific criteria as listed in the Zoning Ordinance (sections 3.03.02, 7.02.02, & 8.02.02)? If so, describe how the criteria are met. |
| yes, Snowplow, truck fabrication and repair. |
| |
| |
| I HEREBY CERTIFY THAT ALL INFORMATION AND DATA ATTACHED TO AND MADE PART OF THIS APPLICATION ARE TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE AND BELIEF I AGREE TO DESIGN, CONSTRUCT AND OPERATE, AND MAINTAIN THESE PREMISES AND THE BUILDINGS, STRUCTURES, AND FACILITIES WHICH ARE GOVERNED BY THIS PERMIT IN ACCORDANCE WITH THE STATED REQUIREMENTS OF THE GENOA TOWNSHIP ZONING ORDINANCE, AND SUCH ADDITIONAL LIMITS AND SAFEGUARDS AS MAY BE MADE A PART OF THIS PERMIT. |
| THE UNDERSIGNED STATES THAT THEY ARE THE FREE OWNER OF THE PROPERTY OF PROPERTIES DESCRIBED ABOVE AND MAKES APPLICATION FOR THIS SPECIAL LAND USE PERMIT. |
| BY: Daniel Bouwman, Truck & Trailer Specialties, Inc. |
| ADDRESS: 3286 Hanna Lake Industrial Park Drive, Dutton, MI 49316 |
| |
| Contact Information - Review Letters and Correspondence shall be forwarded to the following: |
| Ken McQuade of ACS Build, Inc. at kmcquade@acsbuild.com |
| lame Business Affiliation Email |
| |
| FEE EXCEEDANCE AGREEMENT |
| As stated on the site plan review fee schedule, all site plans are allocated two (2) consultant reviews and one 1) Planning Commission meeting. If additional reviews or meetings are necessary, the applicant will be equired to pay the actual incurred costs for the additional reviews. If applicable, additional review fee sayment will be required concurrent with submittal to the Township Board. By signing below, applicant indicates agreement and full understanding of this policy. |
| SIGNATURE: Fo M' Church DATE: 4/4/2018 |
| PRINT NAME: Ken McQuade, ACS Build, Inc. PHONE: (248) 348-9911 |



GENOA CHARTER TOWNSHIP Application for Site Plan Review

TO THE GENOA TOWNSHIP PLANNING COMMISSION AND TOWNSHIP BOARD:

| APPLICANT NAME & ADDRESS: Ken McQuade, ACS Build, Inc., 28525 Beck Road, Suite 118, Wixom, MI 48393 |
|---|
| If applicant is not the owner, a letter of Authorization from Property Owner is needed. |
| OWNER'S NAME & ADDRESS:Truck & Trailer Specialties, Inc. |
| SITE ADDRESS: Vacant Land, Grand Oaks Dr. PARCEL #(s): 4711-05-300-051 |
| APPLICANT PHONE: (248) 348-9911 ■OWNER PHONE: (6/6) 734-4968 |
| OWNER EMAIL: bbouwman @ ++ Spec. com |
| LOCATION AND BRIEF DESCRIPTION OF SITE: Parcel is located on the west side of Grand Oaks Drive, |
| south of Grand River. Parcel is vacant and wooded, approximately 10,03 Acres. |
| |
| |
| BRIEF STATEMENT OF PROPOSED USE: The proposed use is a new 30,000 S.F. building, |
| specializing in Truck and Snow Equipment. |
| |
| |
| THE FOLLOWING PLIN DINICE ARE INCORPOSED. New 30,000 S.F. Building |
| THE FOLLOWING BUILDINGS ARE PROPOSED: |
| |
| |
| |
| I HEREBY CERTIFY THAT ALL INFORMATION AND DATA ATTACHED TO AND MADE PART OF THIS APPLICATION IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE AND BELIEF. |
| BY: Level Level Ken McQuade, ACS Build, Inc. |
| ADDRESS: 28525 Beck Road, Suite 118, Wixom, MI 48393 |

| Contact Information - Review Letters and Correspondence shall be forwarded to the following: | | | | | | | | |
|--|----------------------|--------------------------|--|--|--|--|--|--|
| 1.) Ken McQuade | of ACS Build, Inc. | at kmcquade@acsbuild.com | | | | | | |
| Name | Business Affiliation | E-mail Address | | | | | | |
| | | • | | | | | | |

FEE EXCEEDANCE AGREEMENT

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|--|
| one (1) Planning Commission meeting. If additional reviews or meetings are necessary, the applicant |
| will be required to pay the actual incurred costs for the additional reviews. If applicable, additional review |
| fee payment will be required concurrent with submittal to the Township Board. By signing below, |
| applicant indicates agreement and full understanding of this policy. |

| SIGNATURE Ken Zul Chant | _DATE: 4/4/2018 |
|--|-----------------------|
| \ <u>-</u> | PHONE: (248) 348-9911 |
| 28525 Beck Road, Suite 118, Wixom, MI, 48393 | |



51147 W. Pontiac Trail Wixom, MI 48393 Office: (248) 668-0700 Fax: (248) 668-0701

April 23, 2018

Amy Ruthig Planning Commission Genoa Township 2911 Dorr Road Brighton, MI 48116

Truck & Trailer Specialties – Addendum to Site Plan Application

For: Professional Engineering

Grand Oaks Drive - Vacant Parcel

Genoa Township, Livingston County, Michigan

In response to your email dated April 13, 2018, please find below a detailed description of the proposed use and a list of the Special Land Uses that the applicant is seeking:

Truck & Trailer Specialties, with three Michigan locations, has been serving the public works and commercial trucking industry since 1974. The focus of their work is to fabricate and equip trucks for snow plowing services needed by City, County and private snow clearing operations. Truck & Trailer Specialties originated and remains in the small west Michigan town of Dutton, Michigan, located just south of Grand Rapids. The company was founded by the father & son team of Cal and Dan Bouwman. In 1996, the Boyne Falls Truck & Trailer Specialties location was opened under the direction of Butch Cone, former longtime employee of Hyde Equipment in Petoskey, Michigan. The goal of the Boyne Falls store is to serve northern Lower Michigan and the Upper Peninsula. Spring of 2013 saw the opening of the newest Truck & Trailer facility in Howell, Michigan. Truck & Trailer Specialties prides itself on extraordinary craftsmanship, ingenuity, and loyal long time customers. The Truck & Trailer locations feature full service, truck set-up facilities including body & paint shops, welding & fabricating capabilities, complete line of truck bodies & attachments, and mobile hydraulic system expertise specializing in closed center systems with load sense piston pumps, Bosch Rexroth being the premier supplier. The Howell, Michigan (Grand Oaks) location will have 20 employees. The hours of operation are Monday through Friday 7AM to 5 PM, Saturday 8AM to 12PM, and closed on Sunday. Typical loading/unloading procedures will occur at the west side of the building, as indicated on the plans.

Planning Commission – Genoa Township Truck & Trailer Specialties April 23, 2018 Page 2 of 2

The special uses could be:

- 1) Automotive Assembly or Manufacturing
- 2) Any use with outdoor equipment/material storage and all other open air businesses.
- 3)Accessory fuel storage or use of hazardous materials

If additional information is needed prior to publication, please let us know. If you have any questions, please do not hesitate to contact me.

Sincerely,

GreenTech Engineering, Inc.

Jesse Parkinson Project Manager

Attachments

51147 W. Pontiac Trail Wixom, MI 48393 Office: (248) 668-0700 Fax: (248) 668-0701

IMPACT ASSESSMENT FOR SITE PLAN APPROVAL

Truck & Trailer Specialties, LLC Genoa Township, Livingston County, Michigan

April 4, 2018

Prepared for:

Ken McQuade ACS Build, Inc. 28525 Beck Road, Suite 118 Wixom, MI 48393 (248) 348-9911

A. Names and addresses of persons responsible for preparation of impact assessment and brief statement of qualifications.

Prepared by:

GreenTech Engineering, Inc. 51147 W. Pontiac Trail Wixom, MI 48393 (248) 668-0700 Civil Engineerings & Land Surveyors ACS Build, Inc. 28525 Beck Road, Suite 118 Wixom, MI 48393 (248) 348-9911 Contractor

G.A.V. Associates 24001 Orchard Lake Rd. Suite 180A Farmington, Michigan 48336 (248) 985-9101 Ext 1003 Architects

- B. **Map(s)** and written description/analysis of the project site including all existing structures, manmade facilities, and natural features. The analysis shall also include information for areas within 10 feet of the property. An aerial photograph or drawing may be used to delineate these areas.
 - 1) See drawings in SPA Application and submission for property description and location.
 - a. Site is located south of Grand River on the west side of Grand Oaks Drive
- C. **Impact on natural features:** A written description of the environmental characteristics of the site prior to development and following development, i.e., topography, soils, wildlife, woodlands,

mature trees (eight-inch caliper or greater), wetlands, drainage, lakes, streams, creeks or ponds. Documentation by a qualified wetland specialist shall be required wherever the Township determines that there is a potential regulated wetland. Reduced copies of the Existing Conditions Map(s) or aerial photographs may accompany written material.

The property size is approximately 10.03 acres which was recently split off of the parent parcel. The site is vacant and wooded with wetlands at the west side of the property.

The existing topography on the site has ground elevations ranging from 945 to 994 the site is lower than Grand Oaks Drive and slopes from east to west with the storm water sheet flowing overland. The ultimate outlet for the storm water is a proposed stormwater pond at the west side and wetland soils per attached existing condition plan of the property.

D. **Impact on stormwater management:** Description of measures to control soil erosion and sedimentation during grading and construction operations and until a permanent ground cover is established. Recommendations for such measures may be obtained from the Livingston County Drain Commission at (517) 546-0040.

Surface runoff during periods of construction will be controlled by property methods set forth by the Livingston County Drain Commissioner, including silt fences, check dams, tree protection fence, stormwater detention pond and a mud mat.

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

The applicant if proposing a Truck and Snow Equipment facility. This development shall have the required parking, lighting and storm water management, environmental impact management associated with this type of development. Applicant will have 1 entrance to the property via an access drive off of Grand Oaks Drive.

F. **Impact on public facilities and services:** Describe the number of expected residents, employees, visitors, or patrons, and the anticipated impact on public schools, police protection and fire protection. Letters from the appropriate agencies may be provided, as appropriate.

There is no negative impact on public facilities or services. This project is part of the overall development of the immediate and surrounding area and has been anticipated with regards to public services.

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

The development will be serviced by both public water and sanitary sewer that are located at the east property line (Grand Oaks Drive).

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

The development will have a list of all hazardous substances expected to be used, stored or disposed of on the site. MSDS sheets will be kept on each material with the location within the site and the method of containment. A PIPP will be submitted at a later date and within a reasonable time table.

I. **Impact on Traffic and Pedestrians:** A description of the traffic volumes to be generated based on national reference documents, such as the most recent edition of the *Institute of Transportation Engineers Trip Generation Manual*, other published studies or actual counts of similar uses in Michigan. A detailed traffic impact study shall be submitted for any site over ten (10) acres in size which would be expected to generate 100 directional vehicle trips (i.e. 100 inbound or 100 outbound trips) during the peak hour of traffic of the generator or on the adjacent streets. The contents of the detailed study shall include:

There will be 20 employees and minimal deliveries daily. This will have little impact on traffic for Grand Oaks Drive.

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

None at this time

K. A list of all sources shall be provided.

Genoa Twp submittal requirements for impact study Genoa Twp zoning ordinance

POLLUTION INCIDENT PREVENTION PLAN AND

HAZARDOUS WASTE CONTINGENCY PLAN

for

Truck & Trailer Specialties, Inc.
Howell Store Location
Parcel #4711-05-300-054
Grand Oaks Drive
Howell, Michigan 48843

Telephone: 517-552-3855

PRIMARY EMERGENCY COORDINATOR

Brian Bouwman

Work: 517-552-3855

Cell: 616-734-4968

ALTERNATE EMERGENCY COORDINATOR

Dan Bouwman

Work: 616-698-8215 Cell: 616-889-7495

* IN CASE OF EMERGENCY CALL THE *

* DEQ POLLUTION EMERGENCY ALERTING *

* SYSTEM (PEAS) 1-800-292-4706 * ************

DATE: April 25, 2018

STATUTORY AUTHORITY

This Pollution Incident Prevention Plan (PIPP) has been prepared in accordance with Part 5 of the General Rules established by the Michigan Water Resources Commission under the authority of Act 245 of the Public Acts of 1929 as amended.

This facility is a small quantity generator of hazardous wastes and is therefore required to maintain and follow a hazardous waste contingency plan. This PIPP has been amended to incorporate hazardous waste management provisions sufficient to comply with the Resource Conservation and Recovery Act (40 CFR 265 Subpart D) and the Michigan Hazardous Waste Management Act (Act 64). Copies of this plan have been placed on file with the appropriate agencies.

This plan is to be kept on file in the facility waste notebook. Its content should be familiar to each employee. The plan is to be reviewed and amended as required by changes in operations or failure of the plan in an emergency.

A formal training program on hazardous waste and polluting materials management has been developed by Tuck & Trailer Specialties. This training will be required for all emergency coordinators, their alternates and any employee who manages polluting materials and hazardous wastes as part of day to day operations.

An outline of this training program is on file in the Waste Management Notebook at this facility.

* NOTE - Although the statute and rules refer to the Part 5 of the General Rules of the Water Resource Commission, promulgated pursuant to Act 245, P.A. 1929, as amended (Act 245), and to the Water Resources Commission (WRC), the decision making authority formerly held by the WRC was delegated to the DEQ through Executive Orders signed by the governor. In addition, Act 245 has been incorporated as Part 31. Water Resources Protection, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (Act 451) MCL 324.3101 et seq. Please be aware that these rules are currently under revision.

EMERGENCY RESPONSE AGENCIES

POLICE

State - Brighton 810-227-1051

County - Livingston/Sheriff 517-546-2440

City - Howell Police Dept. 517-546-1330

FIRE

Howell 517-546-0560

HOSPITAL

St. Joseph Mercy 517-545-6000

AMBULANCE

Livingston Co. EMS 517-546-6220

HEALTH DEPT- Livingston Co.

Environmental 517-546-9858 Public 517-546-9850

MDEQ OFFICE

Lansing Office 517-284-6651

CALL 911 FOR EMERGENCIES

POLLUTION INCIDENT RESPONSE

If a spill or leak of salt, oil or polluting material occurs, the Emergency Response Actions posted near the telephones are to be followed. These are given here in more detail. The emergency response coordinator and alternates should become familiar with these steps.

- 1. Assess the situation; follow all health and safety precautions warranted by the material and circumstances.
- 2. If there is reason to believe that the release of polluting material threatens the health or safety of employees or of surrounding residents or properties evacuate the facility, notify the local emergency response agencies listed in this plan and follow their instructions.
- 3. If there is reason to believe that the polluting material has or may reach the waters of this state via the drains, sewers, surface runoff or soils at the facility, immediately contact the DEQ Pollution Emergency Alerting System (PEAS) at the number on the front of this plan. Follow their instructions for containing or cleaning up the material.
- 4. Take steps to minimize the release of polluting material to the environment. This can include but is in no way limited to the following measures:
 - a. DO NOT FLUSH WITH WATER UNLESS DIRECTED TO DO SO.
 - b. Shut off valves, plug leaks, pump tanks etc. to stop the release.
 - c. Dike or absorb the material using sand or other material.
 - d. Redirect flows to a holding area.
 - e. Excavate contaminated soils.
- 5. Clean up all contaminated material. Follow instructions given by DEQ staff for final clean up action.
- 6. Properly store, label and document the wastes for disposal.

- 7. Notify Truck & Trailer Specialties Management that a spill or leak has occurred. Make arrangements for disposal of waste material.
- 8. Clean and service all emergency equipment. Replenish supplies of absorbent material, etc. Recommend and perform maintenance on containment systems.
- 9. Enter into the waste notebook, a full account of the incident including date, time, volume, material and response taken.

- 10. If the DEQ PEAS staff has not been notified, do so within 10 days of the incident with the following information:
 - a. Facility name and location.
 - b. Description and volume of material involved.
 - c. Time and date of spill or leak.
 - d. Assessment of damage and response taken.
 - e. Remedial action planned or assistance needed.
- 11. Review PIPP/HWCP for changes needed to make it more effective and realistic.

PHYSICAL DESCRIPTION OF THE FACILITY

This is an existing facility that was purchased by Truck & Trailer Specialties in 2012 for the purpose of truck buildups which encompasses body installation, plows, material distributors, hydraulic and lighting systems, etc. The sole structure incorporates the offices and shop areas. There are no floor drains within the facility or catch basins within the paved lot.

This facility has its own deep well for a fresh water source. The building is connected to the sanitary sewer. Roof and surface drainage is routed into catch basins which outlet into the lagoon. There are no floor drains within the structure. There is one storm water drain and manhole southwest of the shop about 50 feet that is routed to the lagoon.

For security and safety reasons, this facility has a fenced storage year. During off duty hours the gate is closed and locked.

EMERGENCY EQUIPMENT

Description

This facility will be maintained and operated to minimize the possibility of a fire, explosion or release of polluting materials. The following communications, fire protection, spill control and clean up equipment are available on site in case of an emergency. This equipment will be inspected and maintained as necessary to assure its proper operation if a pollution incident should occur.

| 1. | Portable Fire Extinguishers | Inspect annually or as needed |
|-----|-----------------------------|-------------------------------|
| 11. | Eye Wash | Inspect monthly |
| 15. | Telephone/PA System | Test monthly Water hose |
| | Absorbent Material | Replenish supply as needed |
| | Hand Shovels | |

Testing/Maintenance

^{*} Numbers correspond to the site plan in the Attachments Section.

POLLUTING MATERIALS STORED OR USED AT THIS FACILITY

Listed below are the materials currently stored or used at the Truck & Trailer Specialties Howell facility that have the potential of causing environmental damage in the event of accidental spills or leakage. Following is a discussion of the type of material, how it is stored and pollution incident prevention measures.

Vehicle Fluids

Waste Oil

Solvents

Small Quantity Chemical Products

The locations of these materials are shown on the Hazardous Material Site Plan found in the Attachments Section. Complete information regarding the physical properties and required safety precautions can be found in the Safety Data Sheets (SDS) posted at this facility.

Vehicle Fluids

The Truck & Trailer Specialties Howell facility uses varying quantities of lubricating oil, gear oil, automatic transmission fluid, hydraulic fluid and antifreeze. Bulk vehicle fluids are stored inside the main shop. The shop has no floor drains which renders the shop itself as the containment area. Vehicle fluids are pumped directly from their original containers as needed.

Pollution Incident Prevention Measures

If a large spill were to occur, it would be contained as quickly as possible. Absorbent material is available in the storage and use areas for cleaning up small spills. Care will be taken to avoid and clean up spills which may occur. The vehicle fluid storage and dispensing areas will be inspected regularly for signs of spills or leaking containers. In the event of the release of a large or unknown volume of material the POLLUTION INCIDENT RESPONSE STEPS presented in this plan and posted in the facility are to be followed.

Solvents

There is no inventory of bulk solvents maintained at this site. Small quantities are kept for immediate use. Flammable type solvents are kept in flammable liquid storage cabinet indicated as #8 on site plan.

Waste Oil Disposal

At the Truck & Trailer Specialties Howell location, waste oil is poured into a 55 gallon above ground holding drum (with containment), located in the shop facility along south wall. When the tank is full, a licensed hauler will pump out the tank and dispose of the waste oil. In the event that substances other than oil are deposited in the waste oil tank, the contents are analyzed to determine if it must be treated as a hazardous waste.

Pollution Incident Prevention Measures

Only oil may be deposited in the waste oil tank. The area around the tank will be checked weekly for irregularities. Leakage from the waste oil tank can be detected by regularly checking around the tank.

In the event of the release of a large or unknown volume of material, the POLLUTION INCIDENT RESPONSE STEPS presented in this plan and posted in the facility are to be followed.

Polluting Materials Stored in Small Quantities

The Truck & Trailer Specialties Howell location stores small quantities of several chemical products. Among these are tar removers, cleaners, paints and paint thinners. These are stored in their original containers in a designated storage area away from open drains. Each product's label and Material Safety Data Sheet (MSDS) will be consulted for proper use and disposal.

Hazardous Waste

This facility is a small quantity generator of hazardous wastes and is regulated under both the Federal Resource Conservation and Recovery Act and the Michigan Hazardous Waste Management Act (Act 64).

Typically the only hazardous waste generated by this facility is waste oil. This plan includes hazardous waste training for all employees, weekly inspection and documentation of any spills or leaking hazardous waste containers, and measures to reduce the volumes of waste generated at this facility. All hazardous waste will be accumulated and manifested for disposal as required by law.

Pollution Incident Prevention Measures

Hazardous Waste will be stored away from floor drains (The Howell shop has no floor drains). The storage area will be inspected regularly. Small spills of hazardous wastes will be blotted with absorbent material and placed in a separate, labeled container and disposed of as solid hazardous waste. In the event of the release of a large or unknown volume of material the POLLUTION INCIDENT RESPONSE STEPS presented in this plan and posted at the facility are to be followed.

EMERGENCY RESPONSE ACTIONS

(To be posted near telephone and in material storage areas)

- 1. Quickly assess the situation.
- 2. Call emergency response agencies and/or evacuate if necessary.
- 4. Notify the DEQ PEAS if a polluting material does or may reach water resources through sewers, ditches or soil.

PEAS: 1-800-292-4706

- 5. Minimize the damage
 - Take reasonable actions to control fire or limit the damage
 - DO NOT FLUSH <u>HAZARDOUS MATERIAL</u> WITH WATER UNLESS DIRECTED TO DO SO BY AN AGENCY REPRESENTATIVE
 - Shut off valves, pump tanks, plug inlets/outlets
 - Dike or redirect flows to a holding area
 - Absorb with sand or other material
 - Excavate contaminated soils
 - Clean out oil skimmer catch basins
- 7. Clean up and properly dispose of all recovered or contaminated material.
- 8. Make full report to DEQ PEAS within 10 days.
- 9. Evaluate the Plan and response actions for adequacy.

EVACUATION PLAN

(To be posted at the facility)

- 1. Employers will be given notification
 verbally *intercom*
- 2. All employees will be evacuated to an area outside the front gate.
- 3. An employee will be assigned to the front of the property to keep out unauthorized persons.
- 4. The front gate will be locked after all employees have been accounted for.
- 5. A sign will be placed on the front gate declaring the area contaminated.

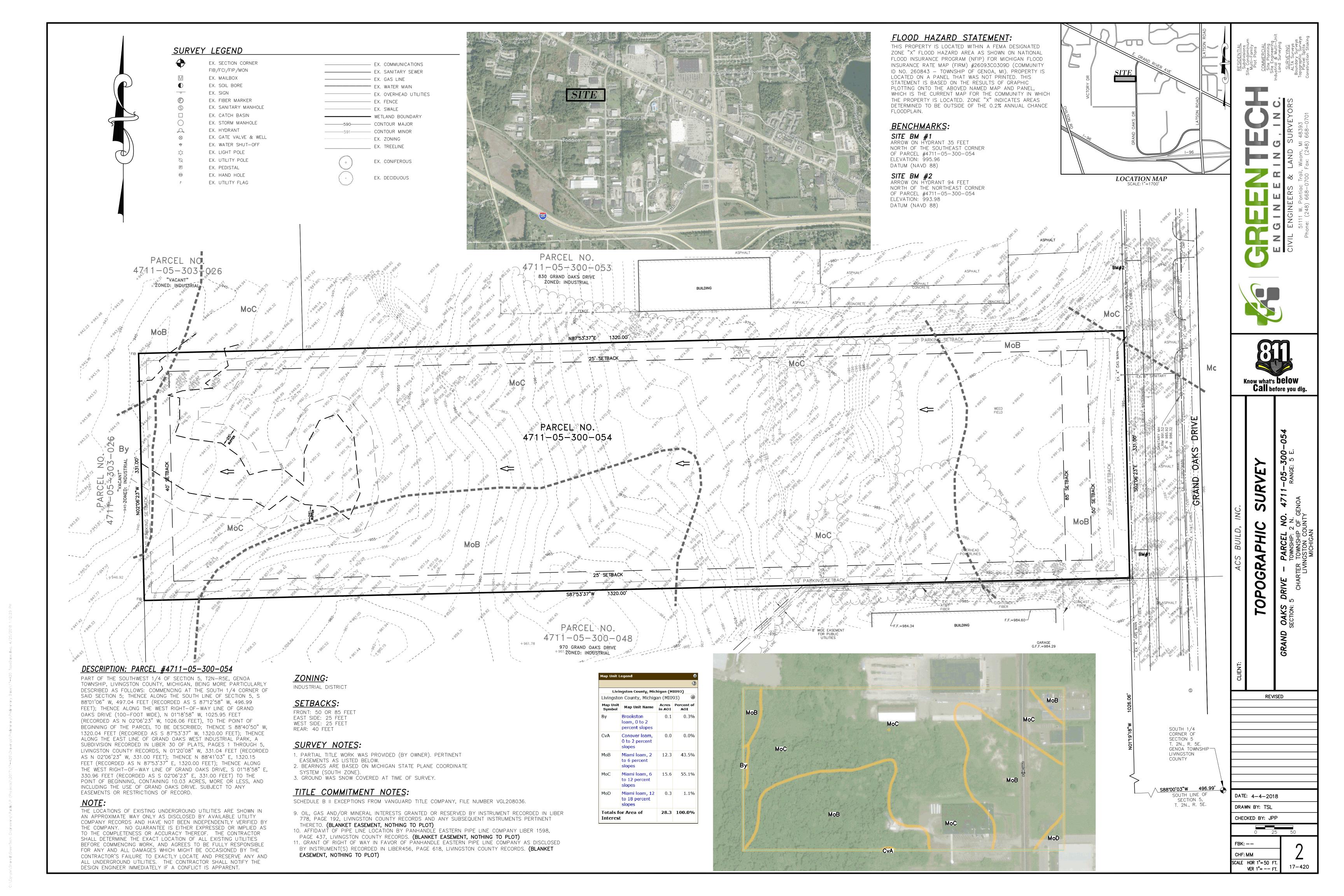
NOT FOR CONSTRUCTION

SCALE HOR 1"= 50 FT.

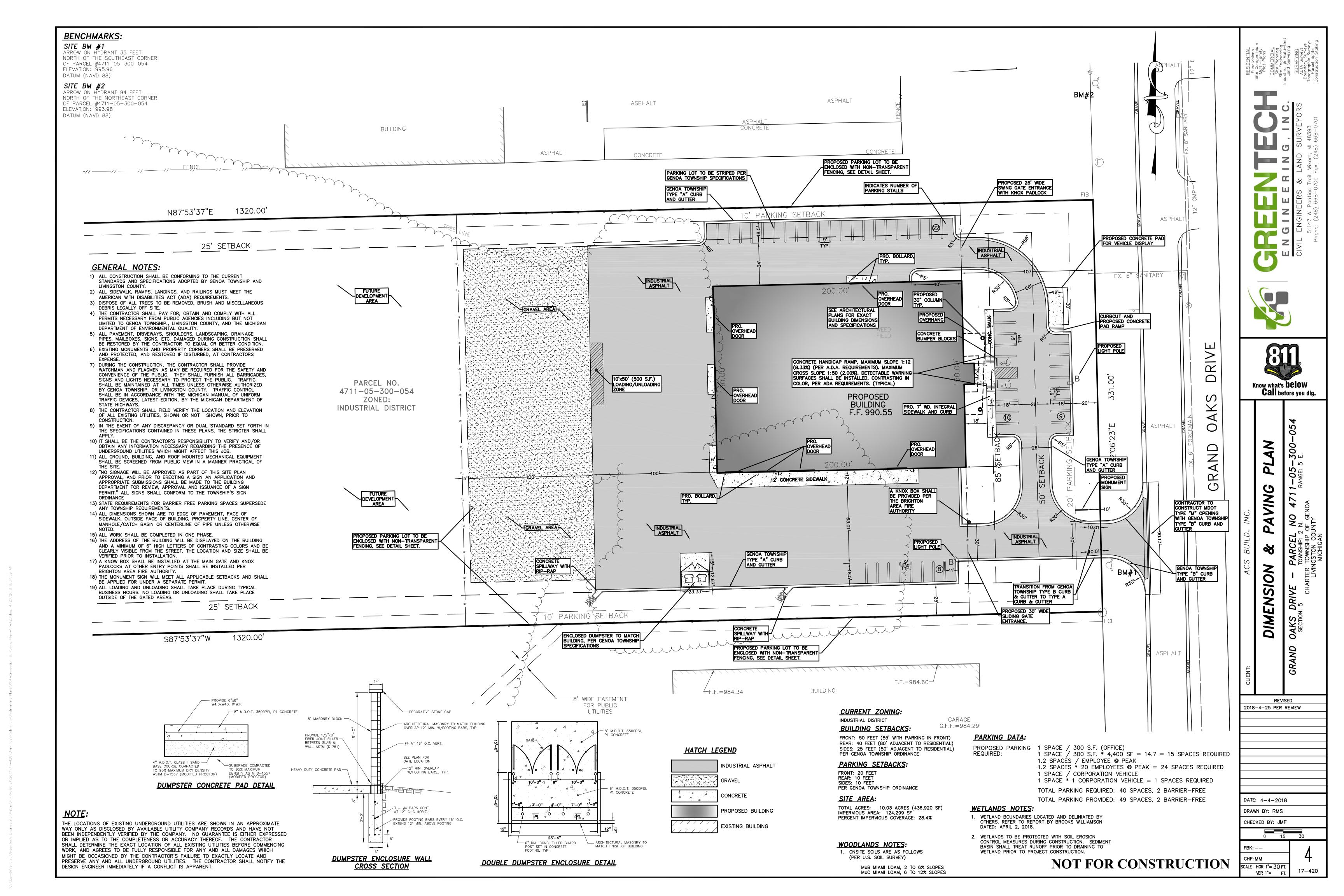
EASEMENTS OR RESTRICTIONS OF RECORD.

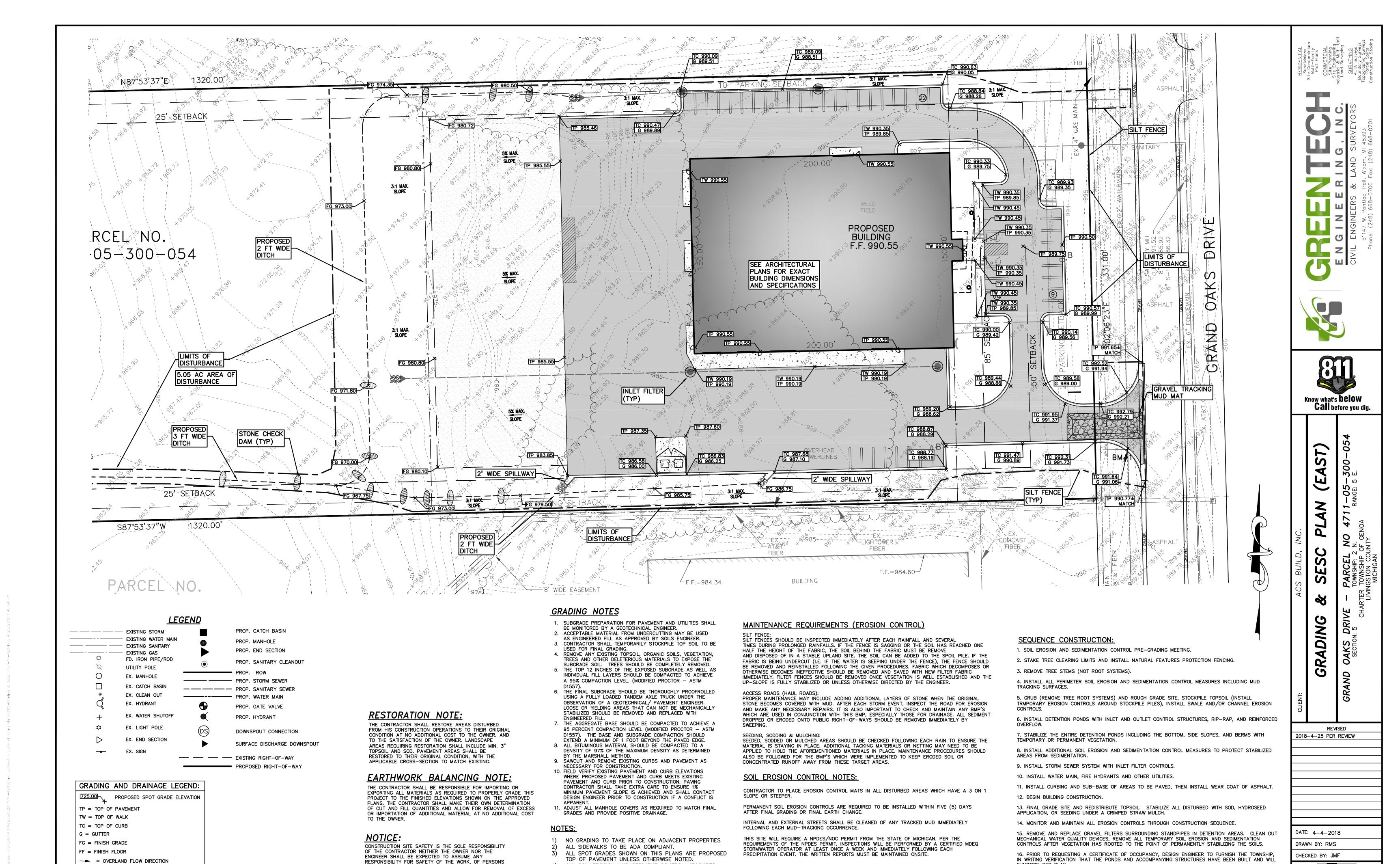
STRUCTURES, OR OF ANY OTHER PERSONS.

Call before you dig.



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ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES

CONSTRUCTION OPERATIONS OR UNTIL A PERMANENT

CONSTRUCT THE PROPOSED SIDEWALK WITH 4-INCH

SLOPE TOWARD THE ROAD OR AS DIRECTED BY THE

GROUNDCOVER IS ESTABLISHED.

COUNTY ENGINEER.

MUST BE SHOWN AND MAINTAINED DURING GRADING AND

NON-REINFORCED CONCRETE WITH 2% MAXIMUM TRAVERSE

ENGAGED IN THE WORK, OF ANY NEARBY STRUCTURES,

OR OF ANY OTHER PERSONS.

SOIL EROSION LEGEND

STONE CHECK DAM

INLET FILTER ---- SILT FENCE

CTION SCA

NOT FOR CONSTRUCTION

FUNCTION PER PLAN.

NOTE: SCHEDULE SUBJECT TO LYON TOWNSHIP APPROVAL AND WEATHER.

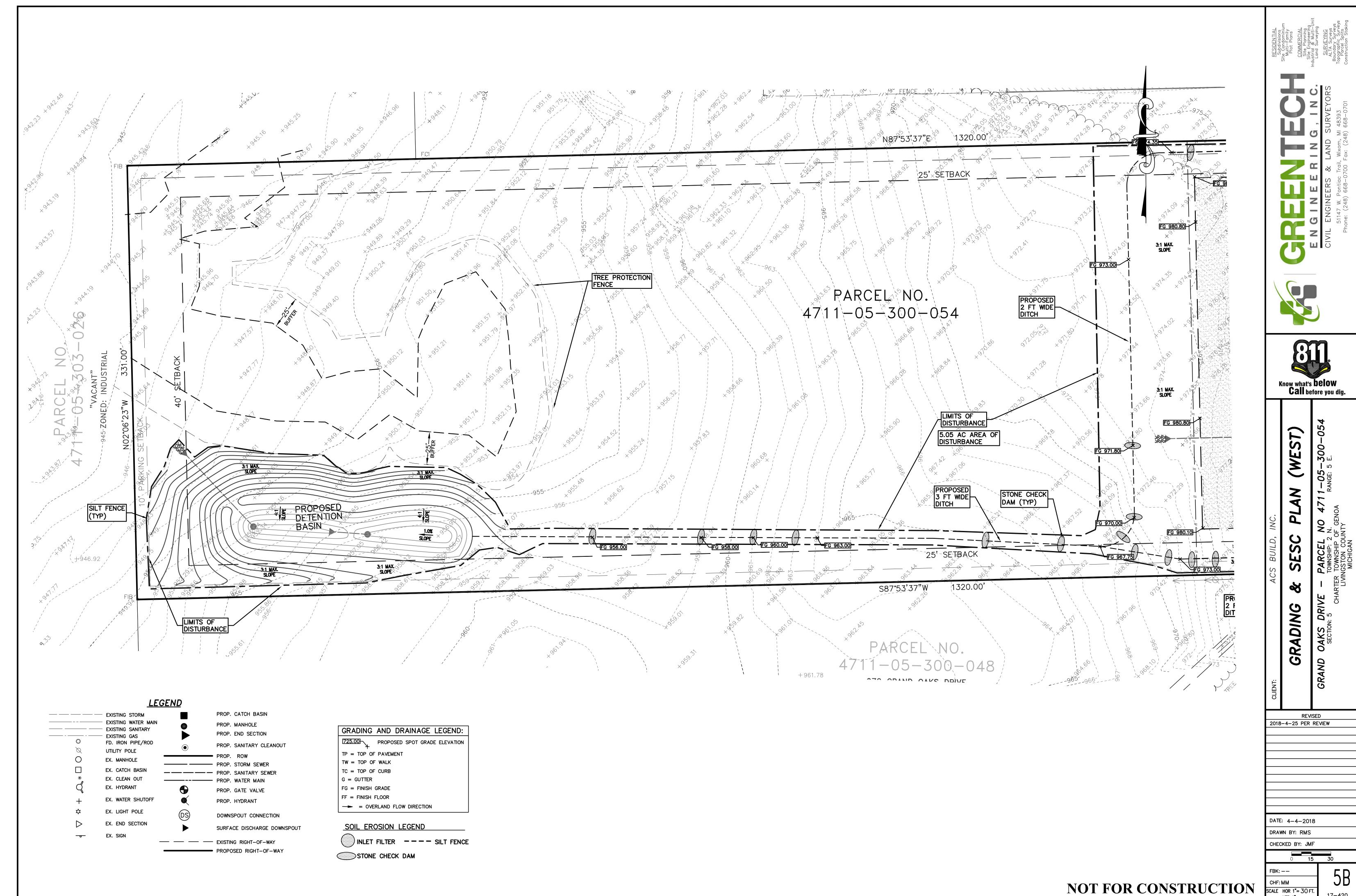
FBK: ——

CHF: MM

SCALE HOR 1"= 30 FT.

VER 1"= FT.

5A



SCALE HOR 1"= 30 FT. VER 1"= FT.

12. NO CONNECTION TO RECEIVING STORM WATER, SURFACE WATER, WATER

SOFTENER BACKWASH DISCHARGE, OR GROUND WATER SHALL BE MADE TO

SANITARY SEWERS.

MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND

DESIGN ENGINEER IMMEDIATELY IF A CONFLICT IS APPARENT.

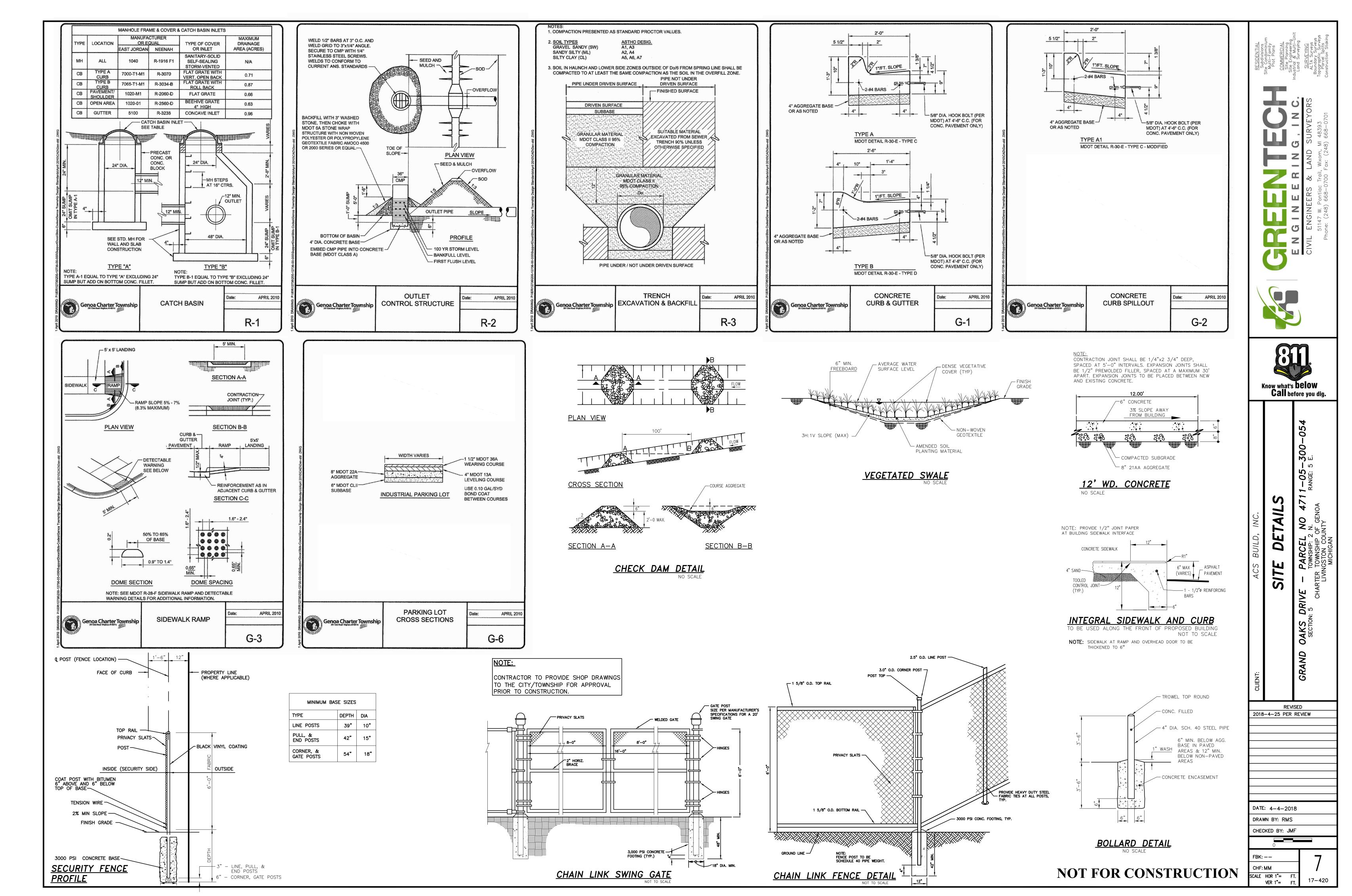
PRESERVE ANY AND ALL UNDERGROUND UTILITIES. THE CONTRACTOR SHALL NOTIFY THE

NOT FOR CONSTRUCTION

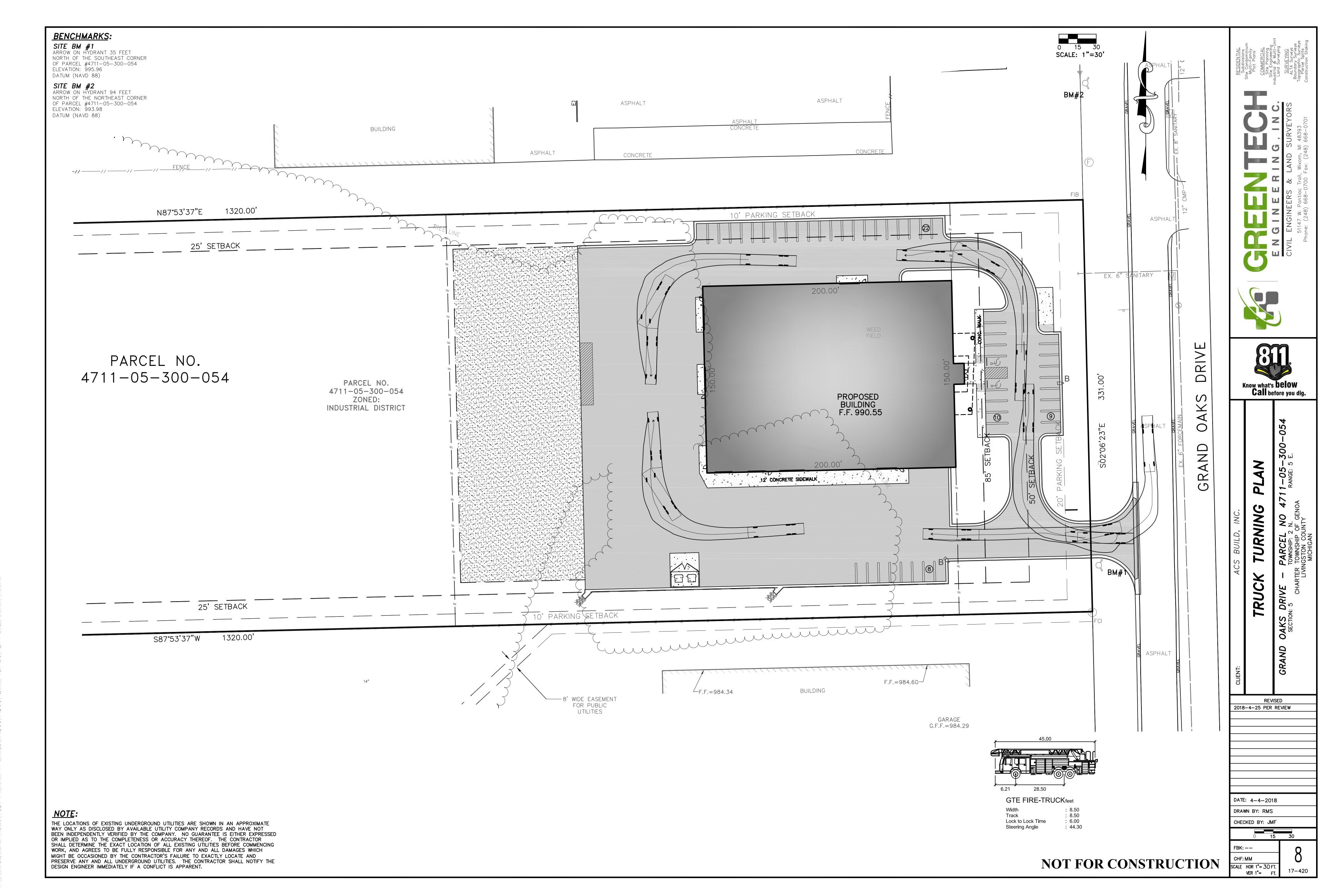
FBK: —— CHF: MM SCALE HOR 1"= 50 F7

VER 1"= FT.

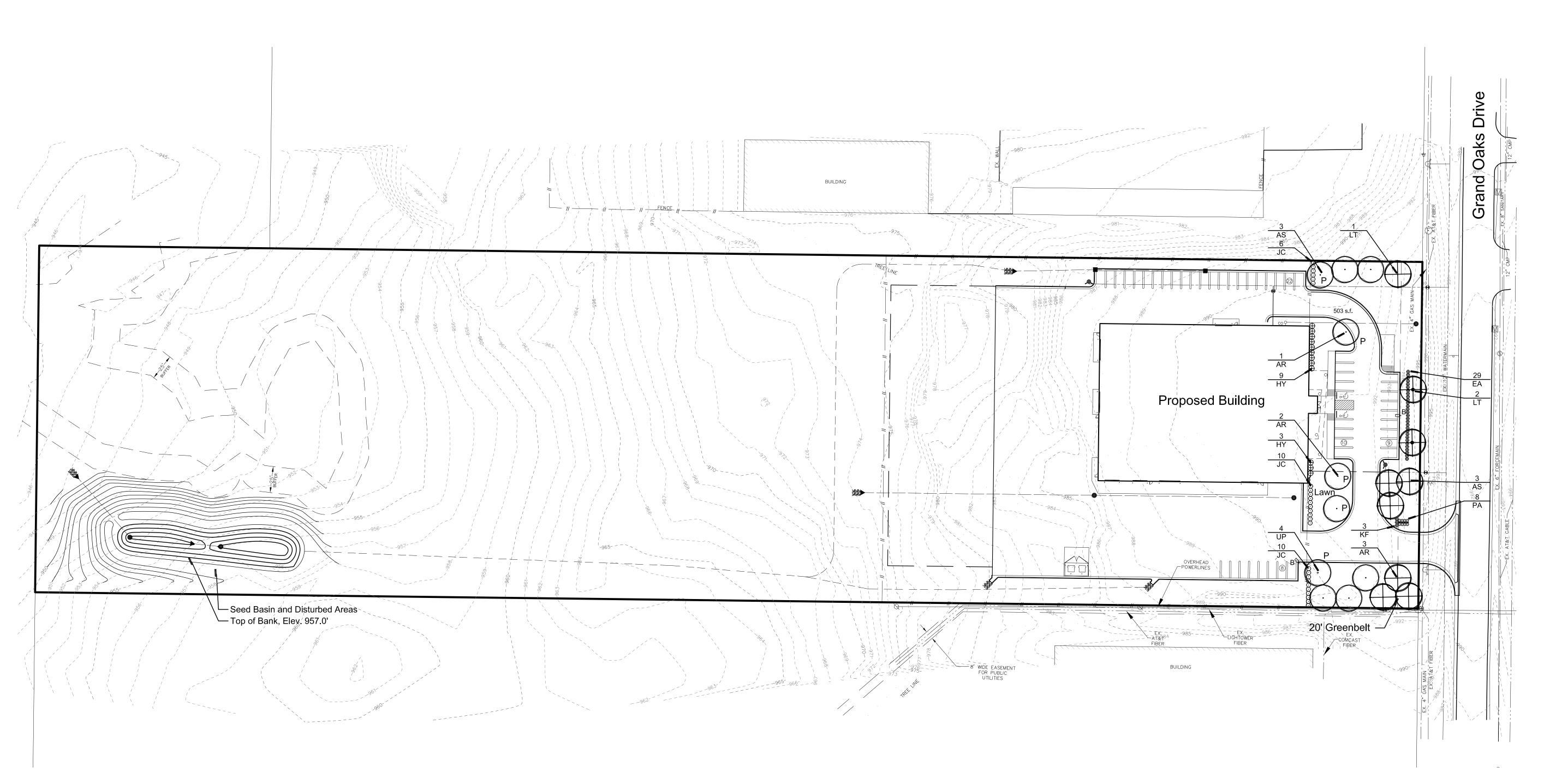
17-420



C:\Egnyte\Shared\GreenTech Engineering\Public\P (Projects)\2017\17-420\Drawings\Preliminary\Preliminary Plans\007-Site Details-17-420.dwg, 4/26/2018 8:31:27 AM



C. V. Errouts (Crosoffact Erricosoffact Elistra) D (Decisote) 2017/17-420 Decisional Decisional Decisional Decisional Section 108-Trimb-Turning Black 008-100-17-420 due 4 /26 /2018 R. 1





|) | Greenbelt Greenbelt Length Trees Required Trees Provided | |
|---|--|--|
| J | Parking Lot Landscaping Total Proposed Spaces | |

Landscape Summary

331' 9 Trees (331' / 40') x Trees

49 Spaces 490 s.f. (49 / 10) x 100 503 s.f.

5 Trees (49 / 10)

77 Shrubs

Landscape Area Required
"P" Landscape Area Proposed
Trees Required
Trees Provided

Shrubs Provided

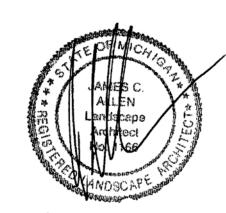
5 Trees Detention Pond - Plantings Relocated to Front of Building
Top of Bank Length 385 l.f.
Trees Required 8 Trees (1 per 50') Trees Required
Trees Provided 5 Trees ` 77 Shrubs (10 per 50') Shrubs Required

| sym. | qty. | botanical name | botanical name common name | | spacing | root | height |
|------|------|--|-----------------------------|------|----------|------|--------|
| AR | 6 | Acer rubrum | Red Maple | 2.5" | as shown | B&B | |
| AS | 6 | Acer saccharum | Sugar Maple | 2.5" | as shown | B&B | |
| EA | 29 | Euonymus alata 'Compacta' | Compact Burning Bush | | as shown | | 24" |
| HY | 12 | Hydrangea 'Little Quick Fire' | Little Quick Fire Hydrangea | | as shown | | 24" |
| JC | 26 | Juniperus c. 'Keteleeri' | Keteleer Juniper | | as shown | B&B | 5' |
| KF | 3 | Calamagrostis x acutiflora 'Karl Foerster' | Karl Forester Grass | | as shown | | #2 Con |
| LT | 3 | Liriodendron tulipifera | Tulip Tree | 2.5" | as shown | B&B | |
| PA | 8 | Pennisetum a. 'Hameln' | Dwarf Fountain Grass | | as shown | | #2 Con |
| UP | 4 | Ulmus 'Pioneer" | Pioneer Elm | 2.5" | as shown | B&B | |

All Landscaped Areas Shall be Provided with an Automatic Underground Irrigation System



Seal:



Landscape Plan

Project:

Truck & Trailer Specialties Genoa Township, Michigan

Prepared for:

Submission

Greentech Engineering, INC 51147 Pontiac Trail Wixom, Michigan 48393 248.668.0700

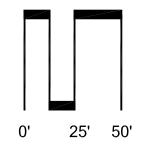
Revision: Issued:

April 25, 2018

Job Number:

18-029

Checked By: Drawn By:



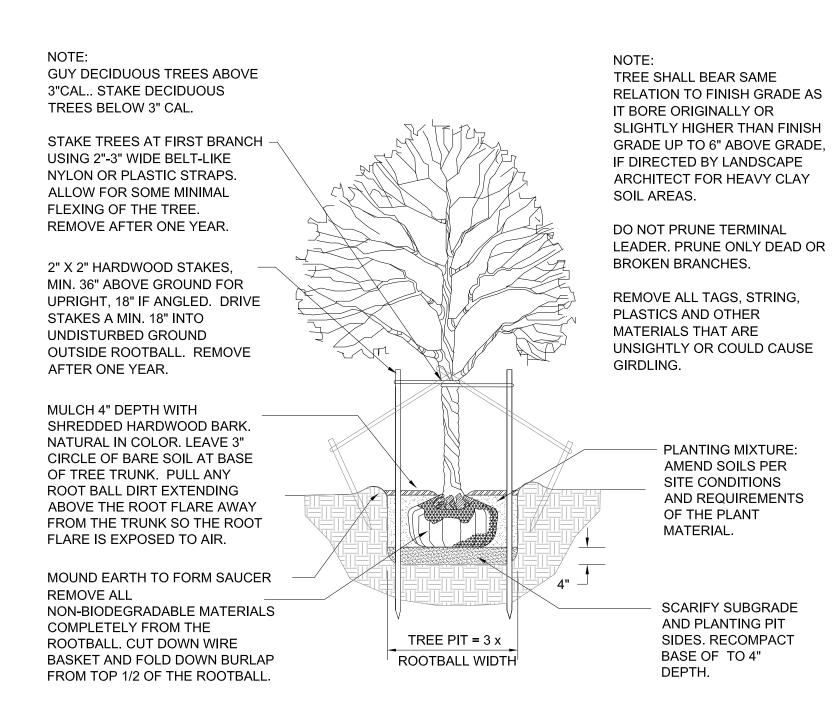




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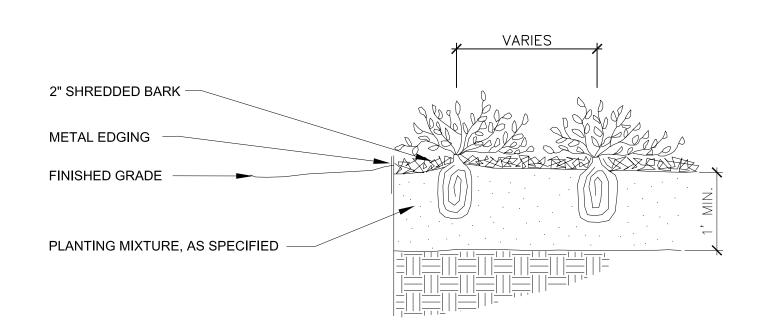
L-1

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

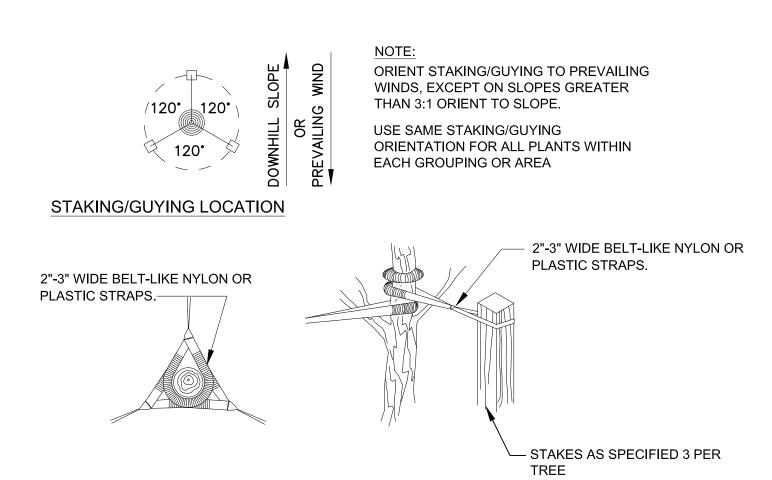


DECIDUOUS TREE PLANTING DETAIL

NOT TO SCALE



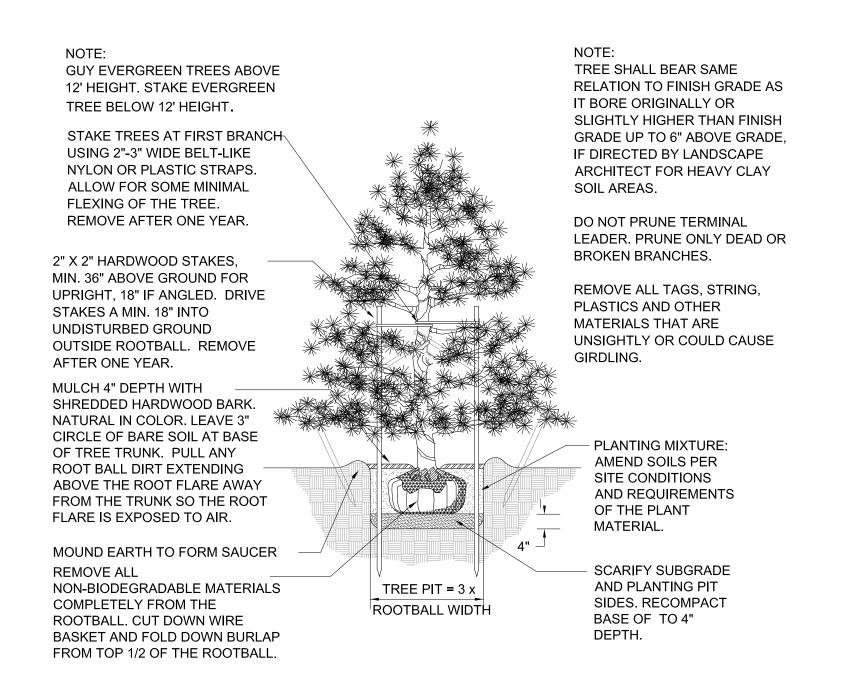
PERENNIAL PLANTING DETAIL



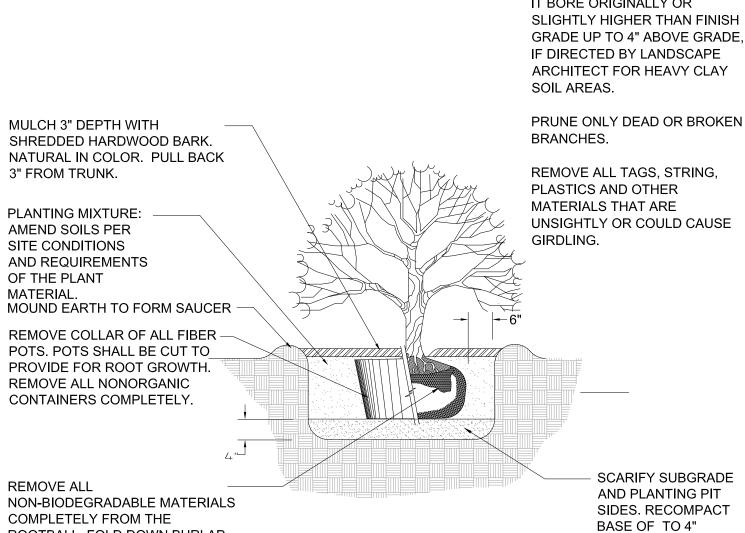
STAKING DETAIL

TREE STAKING DETAIL

GUYING DETAIL



EVERGREEN TREE PLANTING DETAIL



SHRUB PLANTING DETAIL

LANDSCAPE NOTES

- 1. All plants shall be north Midwest American region grown, No. 1 grade plant materials, and shall be true to name, free from physical damage and wind burn.
- 2. Plants shall be full, well-branched, and in healthy vigorous growing

ROOTBALL. FOLD DOWN BURLAP

FROM TOP $\frac{1}{3}$ OF THE ROOTBALL.

- 3. Plants shall be watered before and after planting is complete 4. All trees must be staked, fertilized and mulched and shall be guaranteed
- to exhibit a normal growth cycle for at least one (1) full year following Township approval.
- 5. All material shall conform to the guidelines established in the most recent
- edition of the American Standard for Nursery Stock. 6. Provide clean backfill soil, using material stockpiled on site. Soil shall be
- screened and free of any debris, foreign material, and stone.
- 7. "Agriform" tabs or similar slow-release fertilizer shall be added to the planting pits before being backfilled.
- 8. Amended planting mix shall consist of 1/3 screened topsoil, 1/3 sand and
- 1/3 peat, mixed well and spread to the depth as indicated in planting details.
- 9. All plantings shall be mulched per planting details located on this sheet. 10. The Landscape Contractor shall be responsible for all work shown on the
- landscape drawings and specifications. 11. No substitutions or changes of location, or plant types shall be made
- without the approval of the Landscape Architect.
- 12. The Landscape Architect shall be notified of any discrepancies between the plans and field conditions prior to installation.
- 13. The Landscape Contractor shall be responsible for maintaining all plant material in a vertical condition throughout the guaranteed period.
- 14. The Landscape Architect shall have the right, at any stage of the installation, to reject any work or material that does not meet the requirements of the
- plans and specifications, if requested by owner. 15. Contractor shall be responsible for checking plant quantities to ensure
- quantities on drawings and plant list are the same. In the event of a
- discrepancy, the quantities on the plans shall prevail. 16. The Landscape Contractor shall seed and mulch or sod (as indicated on plans)
- all areas disturbed during construction, throughout the contract limits.
- 17. A pre-emergent weed control agent, "Preen" or equal, shall be applied uniformly on top of all mulching in all planting beds.
- 18. All landscape areas shall be provided with an underground automatic
- 19. Sod shall be two year old "Baron/Cheriadelphi" Kentucky Blue Grass grown in a sod

TREE SHALL BEAR SAME **RELATION TO FINISH GRADE AS** IT BORE ORIGINALLY OR SLIGHTLY HIGHER THAN FINISH GRADE UP TO 4" ABOVE GRADE, ARCHITECT FOR HEAVY CLAY

UNSIGHTLY OR COULD CAUSE

Seal:

Landscape Details

557 CARPENTER • NORTHVILLE, MI 48167

248.467.4668 • Fax 248.349.0559

Email: jca@wideopenwest.com

Project

Truck & Trailer Specialties Genoa Township, Michigan

Prepared for:

Greentech Engineering, INC 51147 Pontiac Trail Wixom, Michigan 48393 248.668.0700

Revision: Issued: April 25, 2018 Submission

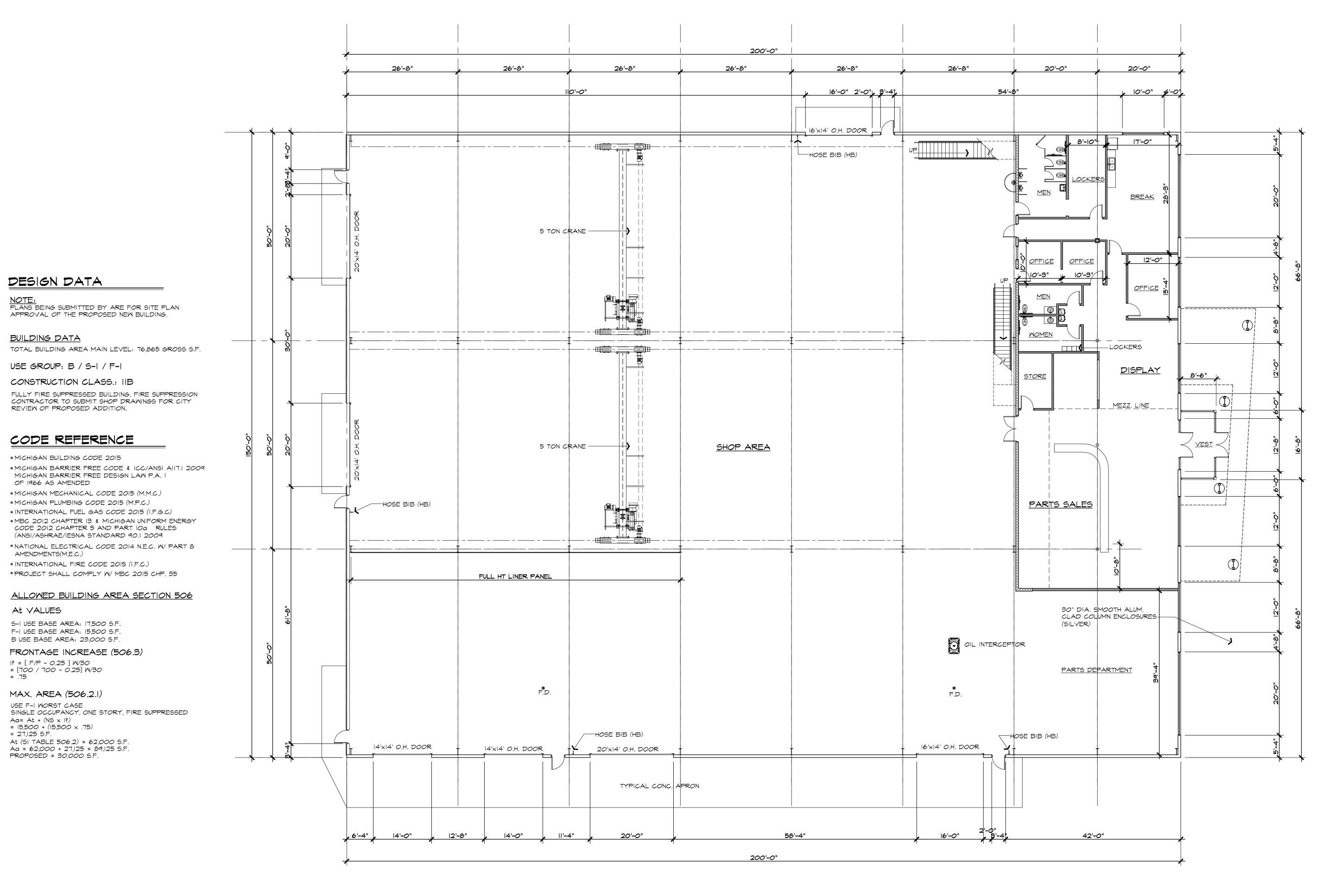
Job Number:

18-029

Drawn By: Checked By:

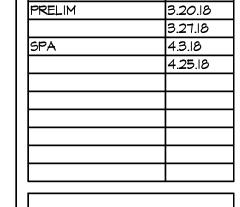
Know what's **below. Call** before you dig.

Sheet No.







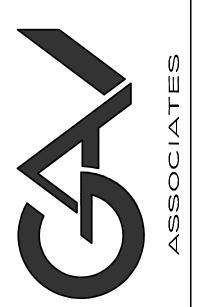


ISSUED FOR DATE

ARCHITECTURAL DESIGN

RESIDENTIAL COMMERCIAL INDUSTRIAL

G.A.V. ASSOCIATES, INC 24001 ORCHARD LAKE RD., STE. 180A FARMINGTON, MICHIGAN 48336 PH: (248) 985-9101 WEB: WWW.GAVASSOCIATES.COM



OPOSED NEW FACILITY FOR UCK and TRAILER INDA TOWNSHIP, MI.

DRAWN: DESIGNED: CHECKED:

SCALE : 3/32" = 1'-0"

30ALL . 3/32 -

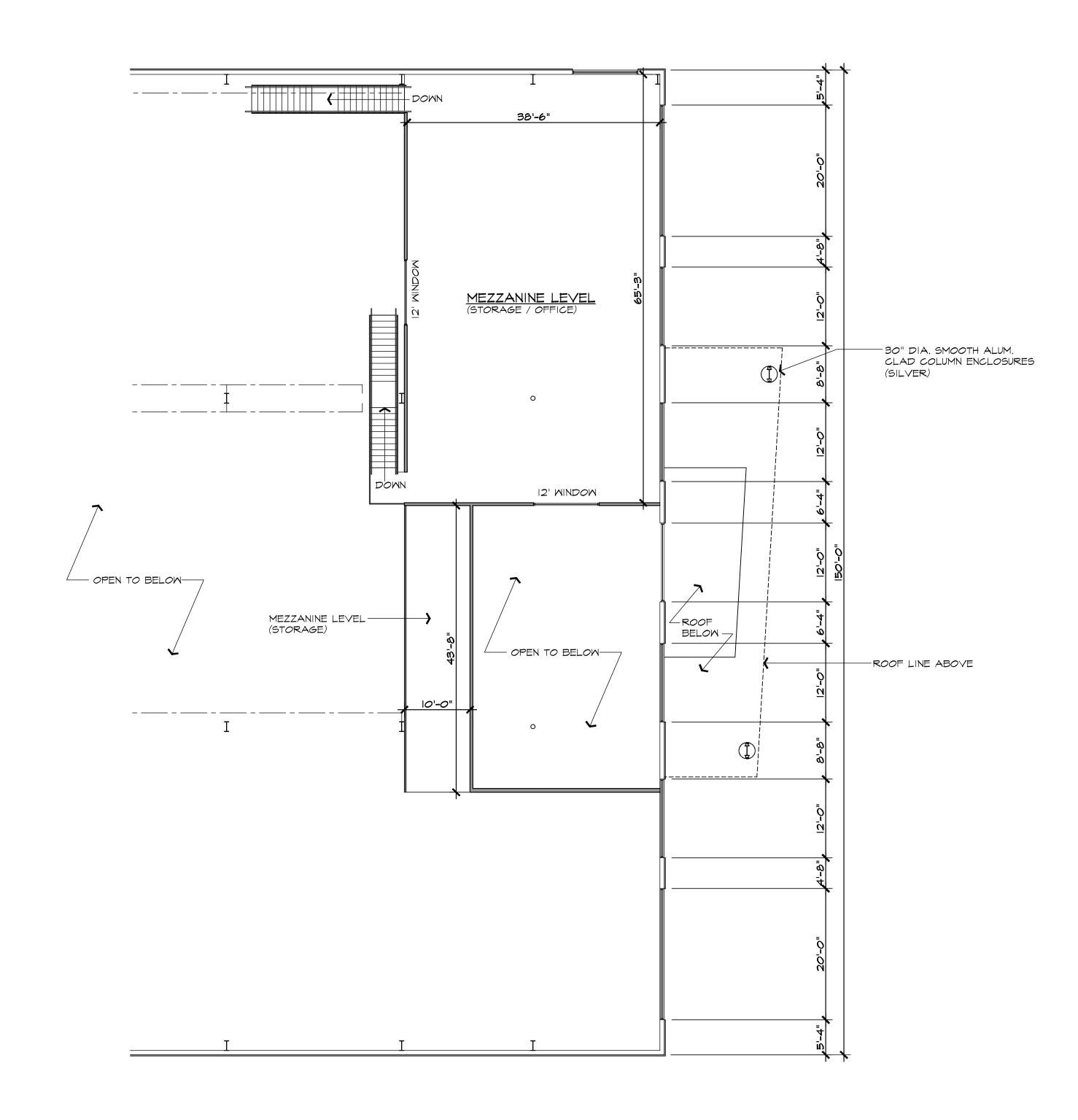
FILE NAME :

JOB #: |8027

SHEET TITLE

SHEET #

FLOOR PLAN





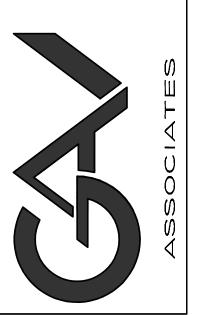


ISSUED FOR DATE
PRELIM 3.20.18
3.27.18
SPA 4.3.18
4.25.18

ARCHITECTURAL DESIGN

RESIDENTIAL COMMERCIAL INDUSTRIAL

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DRAWN: DESIGNED: CHECKED:

SCALE : 3/32" = 1'-0"

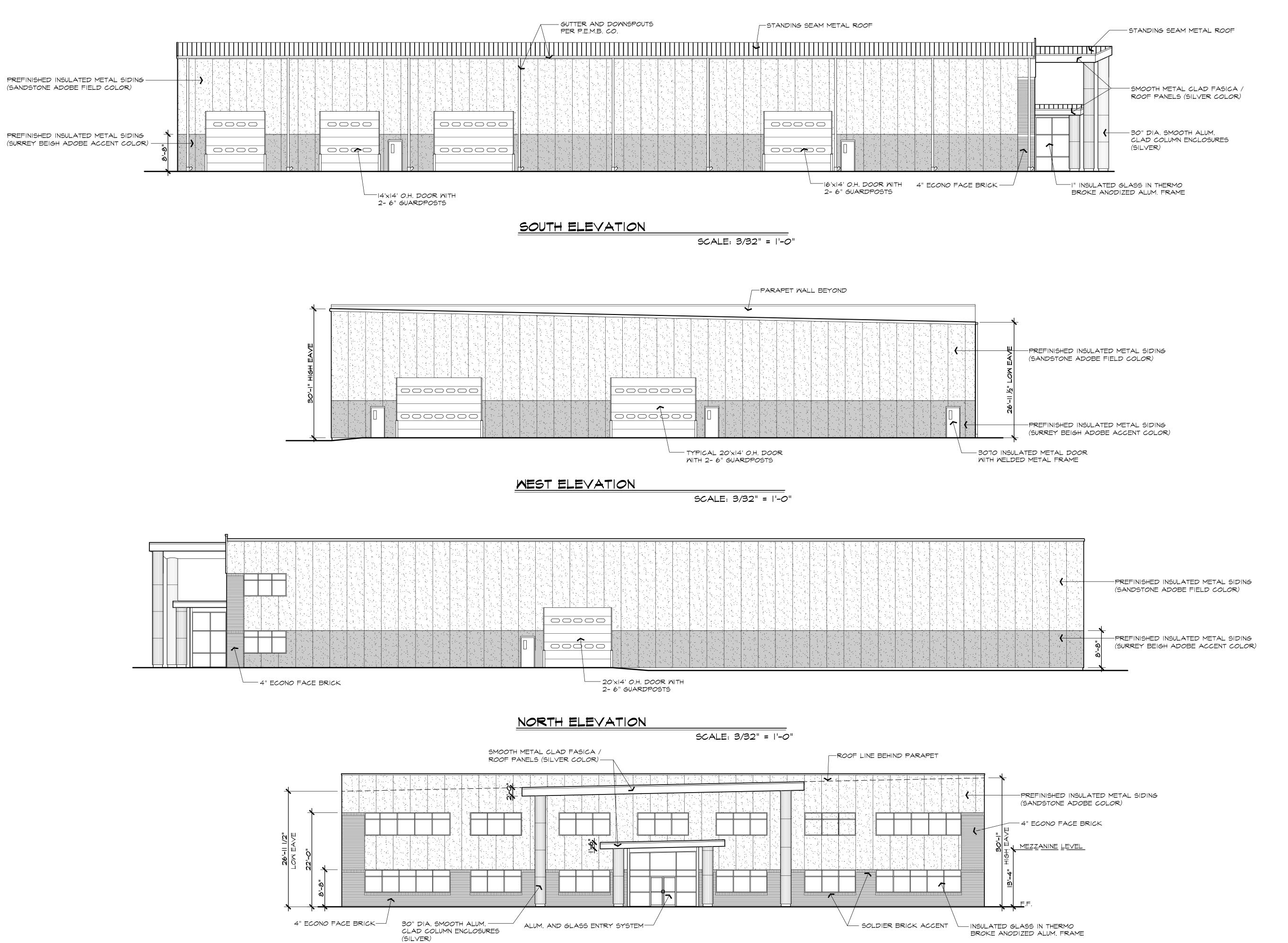
FILE NAME :

JOB #: 18027

SHEET TITLE

FLOOR PLAN

A. 02



EAST ELEVATION

SCALE: 3/32" = 1'-0"



DATE ISSUED FOR 4.3.18 4.25.18

> **ARCHITECTURAL DESIGN**

> > RESIDENTIAL COMMERCIAL INDUSTRIAL

G.A.V. ASSOCIATES, INC 24001 ORCHARD LAKE RD., STE. 180A FARMINGTON, MICHIGAN 48336 PH: (248) 985-9101 WEB: WWW.GAVASSOCIATES.COM



DRAWN: DESIGNED: CHECKED:

SCALE : 1/8" = 1'-0"

FILE NAME :

JOB #: 18027 SHEET TITLE

EXTERIOR ELEVATION

SHEET #

| LUMINAIRE SCHEDULE | | | | | | | | | | |
|--------------------|-------|-----|---|--|---|-------------|------|-------|--|--|
| Symbol | Label | Qty | Catalog Number | Description | Lamp | Lumens | LLF | Watts | | |
| Â | A | 16 | LITHONIA TWR2 250M | DIE-CAST GENERAL PURPOSE WALLPACK WITH GLASS REFRACTOR | ONE 250-WATT ED28 PULSE START METAL HALIDE, HORIZONTAL POS. 14' AI | 22000 =F | 0.81 | 288 | | |
| | В | 2 | LITHONIA KAD LED 30C 700 30K R3 MVOLT | KAD LED, 30 LED, 700mA MVOLT DRIVER, 3000K, TYPE 3 OPTICS. | LED 15' POLE | Absolute | 0.95 | 69 | | |

| STATISTICS | | | | |
|--------------|--------|--------|---------|--------|
| Description | Symbol | Avg | Max | Min |
| Calc Zone #1 | + | 1.0 fc | 10.0 fc | 0.0 fc |

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| \big| 0.1 \big| 0.1 \big| 0.1 \big| 0.2 \big| 0.2 \big| 0.3 \big| 0.4 \big| 0.6 \big| 0.8 \big| 0.5

| \big| 0.1 \big| 0.1 \big| 0.1 \big| 0.2 \big| 0.3 \big| 0.4 \big| \big| 0.6 \big| \big| 1.1 \big| \big| 2.1

| \big| \big

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7-1/8"



KAD LED

LED Area Luminaire

** Capable Luminaire

This item is an A+ capable luminaire, which has bee designed and tested to provide consistent color appearance and system-level interoperability.

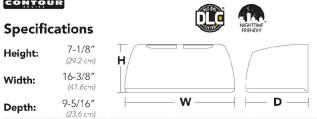
- All configurations of this luminaire meet the Acuit Brands' specification for chromatic consistency
- This luminaire is A+ Certified when ordered with I controls marked by a shaded background. DTL D equipped luminaires meet the A+ specification fc luminaire to photocontrol interoperability1
- This luminaire is part of an A+ Certified solution f ROAM®2 or XPoint™ Wireless control networks, providing out-of-the-box control compatibility wit simple commissioning, when ordered with drivers control options marked by a shaded background

| KAD LED | | | | | | | | | | | |
|-----------|--|---|--|--|---------|--|--|----------------------|---------------------|--|----------------------|
| Series LI | LEDs | Drive current | сст | Distribution | Voltage | Mou | ounting ³ | | | | |
| | 20C 1 20 LEDS 30C 1 30 LEDS 40C 40 LEDS 60C 60 LEDS | 530 530 mA ¹ 700 700 mA 1000 1000 mA | 30K 3000 K 40K 4000 K 50K 5000 K | R2 Type II R3 Type III R4 Type IV R5 Type V | 120 2 | 347 ¹ SPU 480 ¹ RPU SPU RPU WB | hipped included PUMBAK_ Square pole universal mounting adaptor 4 PUMBAK_ Round pole universal mounting adaptor 4 PD_ Square pole PD_ Round pole VBD_ Wall bracket VWD_ Wood pole or wall | 04 06 09 12 | 9" arm ³ | Shipped so DAD12P DAD12WB KMA | Degree arm (pole) |

LIGHT FIXTURE "B"



| | <i>HTINE</i> |
|-------------|--------------|
| CSXW | |
| LED Wall | Luminai |
| | |

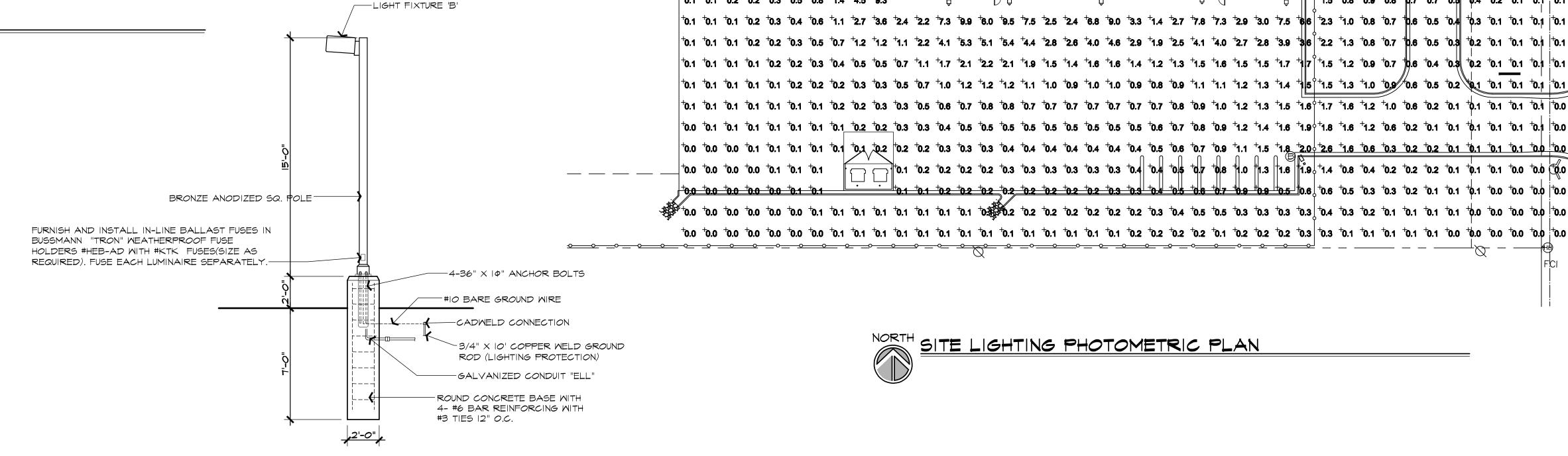


| Intro | du | icti | on |
|-------|----|------|-----|
| TI O | | | @ C |

The Contour® Series luminaires offer traditional square dayforms with softened edges for a versatile look that complements many applications. The CSXW LED combines the latest in LED technology with the familiar aesthetic of the Contour® Series for stylish, high-performance illumination that lasts. It is ideal for replacing 100-400W metal halide in wall-mounted applications with typical energy savings of 80% and expected service life of over 100,000 hours.

| | (23.0 (/1)) | | | | | | | |
|----------|--------------------|----------------------------|--------------------------------|--|--|--|--|---|
| CSXW LED | | | | | | | | |
| Series | LEDs | Drive current | Color temperature ¹ | Distribution | Voltage | Mounting | Options | Finish (required) |
| CSXW LED | 30C 30 LEDs | 700 700 mA 1000 1000 mA | 40K 40C0K 50C0K | T2M Type II, medium T3M Type III, medium T4M Type IV, medium T4M Type IV, medium TFTM Type forward throw, medium | MV0LT ² 120 ² 208 ² 240 ² 277 ² 347 ³ 480 ³ | Shipped included (blank) Surface mount Shipped separately BBW Surface- mounted back box (for conduit entry) 4 | Shipped installed PE Photoelectric cell, button type 5.6 DMG 0-10V dimming driver (no controls) SF Single fuse (120, 277, 347V)? DF Double fuse (208, 240, 480V)? Shipped separately 4 VG Vandal guard WG Wire guard | DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DDBTXD Textured dark bron DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white |

|--|



POLE LIGHT DETAIL



| to 1 to 1 to 2 to 3 to 4 to 6 to 1 to 2 to 3 to 4 to 6 to 1 to 2.7 to 5.6 to 5.4 to 2.2 to 7.3 to 9.9 to 6.0 to 9.5 to 7.5 to 9.5 to 7.5 to 9.9 to

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| \daggregathrightarrow \daggregathrightarro

PROPOSED BUILDING

ASPHALT

+1.9 +1.1 +1.0 +0.7 \\ 0.6 +0.5 +0.4 \\ +0.3 +0.2 +0.1 +0.1 \\ +0.1

+2.5 +2.6 +1.9 +1.1 +0.8 +0.7 +0.5 +0.4 +0.2 +0.2 +0.1 |+0.1

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L 13.0 125/1.8/1.7 1.9 12.0 12.4 10.9 10.5 10.4 10.2

9.5 +8.2 +4.3 +2.2 +1.8 +1.9 +2.0 +2.3 +0.9 +0.5 +0.4 +0.2

+6.9 +7.1 +4.4 +2.2 +1.9 +1.8 +2.1 +1.6 +0.17 +0.4 +0.4 +0.2

4.8 6.2 4.5 2.2 1.7 1.5 1.4 1.3 0.5 0.3 0.3

+0.9 +1.5 +1.6 +1.1 +0.9 +0.8 +0.7 +0.6 +0.2 +0.2 +0.1 +0.1

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+3,1 1.9 1.8 +1.9 +2.1 +2.8 +1.8 0.7 +0.4 +0.2

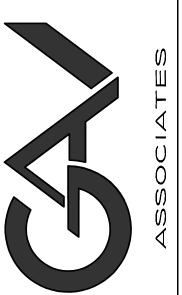


ISSUED FOR DATE 4.3.18 4.25.18

ARCHITECTURAL DESIGN

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S

DRAWN: DESIGNED: CHECKED:

SCALE : |" = 30'

FILE NAME:

JOB #: 18027 SHEET TITLE

PHOTOMETRIC PLAN