GENOA CHARTER TOWNSHIP PLANNING COMMISSION PUBLIC HEARING FEBRUARY 9, 2015 6:30 P.M. AGENDA

CALL TO ORDER:

PLEDGE OF ALLEGIANCE:

APPROVAL OF AGENDA:

CALL TO THE PUBLIC:

(Note: The Board reserves the right to not begin new business after 10:00 p.m.)

OPEN PUBLIC HEARING #1... Review of site plan and environmental impact assessment for a proposed 4,661 sq. ft. addition for enclosed storage, located at 1275 Grand Oaks Drive, Brighton, Michigan 48116, parcel # 4711-08-101-015. The request is petitioned by DeWitt Radiator.

Planning Commission disposition of petition

- A. Recommendation of Environmental Impact Assessment. (01-09-15)
- B. Disposition of Site Plan. (11-19-14)

OPEN PUBLIC HEARING #2... Review of a site plan, environmental impact, and PUD amendment for a proposed redevelopment of an existing outparcel to demolish the existing Bennigan's Restaurant and construct a new 12,000 sq. ft. multi-tenant building, located at 3950 E. Grand River Avenue, Howell, Michigan 48443, parcel # 4711-05-400-047. The request is petitioned by RG Properties, Inc.

- A. Recommendation regarding PUD Agreement Amendment.
- B. Recommendation of Environmental Impact Assessment. (12-01-14)
- C. Recommendation of Site Plan. (01-22-15)

Administrative Business:

- Staff report Annual Report 2014
- Approval of January 12, 2015 Planning Commission meeting minutes
- Member discussion
- Adjournment

g enoa	GENOA CHARTER TOWNSHIP Application for Site Plan Review	GENOA TOWNSHI Jan 132015
If applicant is not the OWNER'S NAME & SITE ADDRESS: APPLICANT PHON OWNER EMAIL:	TOWNSHIP PLANNING COMMISSION AND TO & ADDRESS: <u>DeWitts Radiation</u> owner, a letter of Authorization from Property Owner is to ADDRESS: <u>DeWitts Radiator</u> 275 Grand Oaks <u>Drive</u> PARCEL #(s E: (5/1) 548-0600 OWNER PHONE: () <u>tom @ dewitts</u> . Com RIEF DESCRIPTION OF SITE: <u>1275 Grand Oa</u>	needed.): <u> -08-101-01</u>
BRIEF STATEMEN	and River, 12 miles of Latson TOF PROPOSED USE: <u>Addition to ex</u> - 4661 SF, one story for en	
THE FOLLOWING De Witts F	Buildings are proposed: <u>Addition</u> to Cadiator	o existing
	FY THAT ALL INFORMATION AND DATA ATTA PPLICATION IS TRUE AND ACCURATE TO THE F ID BELIEF.	

Contact Information - Review Letters and Correspondence shall be forwarded to the following: L) John Stewart or Stewart Assaciates at istew 0978 @ Name Business Affiliation Business Affiliation
FEE EXCEEDANCE AGREEMENT As stated on the site plan review fee schedule, all site plans are allocated two (2) consultant reviews and one (1) Planning Commission meeting. If additional reviews or meetings are necessary, the applicant will be required to pay the actual incurred costs for the additional reviews. If applicable, additional review fee payment will be required concurrent with submittal to the Township Board. By signing below, applicant indicates agreement and full understanding of this policy.
SIGNATURE: MILL DATE: 1-15-15
ADDRESS 12.75 Grand Dalls Aunel 48843



February 4, 2015

Planning Commission Genoa Township 2911 Dorr Road Brighton, Michigan 48116

Attention:	Kelly Van Marter, AICP	
	Assistant Township Manager and Planning Director	
Subject:	DeWitt Radiator Addition – Site Plan Review #1	
Location:	1275 Grand Oaks Drive – east side of Grand Oaks, south of Grand River Avenue	
Zoning:	IND Industrial District	

Dear Commissioners:

At the Township's request, we have reviewed the site plan (cover sheet dated 11/19/14) proposing construction of a 4,661 square foot addition to an existing one-story industrial building. We have reviewed the proposal in accordance with the applicable provisions of the Genoa Township Zoning Ordinance.

A. Summary

- 1. The Planning Commission has approval authority over the building elevations.
- 2. The applicant must confirm that proposed materials and colors will match the existing building.
- 3. The existing parking lot is nonconforming for multiple reasons (deficient side setback, deficient drive aisle widths, deficient number of barrier free spaces and an excessive amount of parking). The Commission may wish to require improvements as part of this project. At a minimum, we recommend the applicant provide the 1 additional barrier free space needed for compliance.
- 4. We recommend the applicant provide front yard landscaping, particularly the required greenbelt trees and a hedgerow along the front of the parking lot.
- 5. If one does not already exist, we recommend the applicant be required to provide a waste receptacle and enclosure in accordance with Section 12.04.
- 6. Any new signage proposed must be in accordance with the requirements and procedures of Article 16 (including the need for a permit prior to installation).

B. Proposal/Process

The applicant requests site plan review and approval for construction of a 4,661 square foot addition to an existing 23,348 square foot industrial building on a 3-acre site.

Because this is a permitted use, Planning Commission has review and approval authority over the site plan; however, the Environmental Impact Assessment will be subject to review and approval by the Township Board (following a recommendation by the Planning Commission).

Genoa Township Planning Commission **DeWitt Radiator Addition** Site Plan Review #1 Page 2



Aerial view of site and surroundings (looking east)

C. Site Plan Review

1. Dimensional Requirements. The site and project have been reviewed for compliance with the dimensional standards of the IND as follows:

	Lot Size			Minimum	Setbacks	s (feet)	Max.	
District	Lot Area (acres)	Width (feet)	Front Yard	Side Yard	Rear Yard	Parking	Height	Max. Coverage
IND	1	150	50	25	40	20 front 10 side/rear	30'	40% building 85% impervious
Proposal	3	330	70	170 (N) 40 (S)	52	70 front 8 side (N) 100 side (S)	21.4'	24.4% building 48.9% impervious

The only dimensional issue is a deficient north side parking lot setback; however, this is an existing nonconformity and does not have any impact on the proposed project.

2. Building Materials and Design. Proposed elevations, including colors and materials, are subject to review and approval by the Planning Commission.

The submittal includes elevation views of the addition, which identify the use of 12" masonry block. There is no indication of existing materials and colors; however, we are under the impression that the intent will be to match existing. The applicant must confirm whether or not this is the case.

3. Parking. In accordance with Section 14.04, light industrial and manufacturing requires 1.5 parking spaces for each 1,000 square feet of gross floor area plus 1 space per corporate vehicle and warehousing requires 1 parking space per 1,500 square feet of gross floor area plus 1 space per corporate vehicle. Based upon the size of the existing building and proposed addition, 39 spaces are required, while the site provides 61 existing spaces.

Section 14.02.06 requires Planning Commission approval for excessive parking (more than 20% above the minimum requirement); however, the amount of parking provided is an existing condition and the proposed addition will bring the ratio closer to compliance.

The parking spaces meet or exceed the dimensional requirements of Article 14; however, the drive aisles near the front of the property are narrower than required.

Lastly, given the amount of parking provided, 3 barrier free spaces are required, but only 2 are provided.

The Commission may wish to require improvements to these nonconforming conditions as part of this site plan review. At a minimum, we recommend the required number of barrier free parking spaces be provided.

- **4. Pedestrian Circulation.** Sidewalks are not proposed nor required along Grand Oaks Drive. The plan does identify an existing sidewalk between the parking lot and front building entrance.
- **5.** Vehicular Circulation. No changes are proposed to the existing driveway along Grand Oaks or to internal circulation.
- 6. Loading. Given the size of the proposed addition and existing building, Section 14.08.08 requires 1 loading space. Such spaces are to contain 500 square feet of area and be located in a rear or side yard not directly visible to a public street. There is an existing loading/unloading area that meets requirements in the rear yard.
- **7.** Landscaping. Sheet A.3 identifies existing landscaping, but does not propose any new plantings. Based on our review, the site is deficient in terms of plantings for the front yard greenbelt, parking lot and detention ponds.

In our opinion, the site and area would benefit greatly from additional plantings in the front yard. Greenbelt requirements call for 9 canopy trees, while there is only 1 existing tree shown on the plan. Additionally, a hedgerow along the front parking spaces would diminish views of parking cars and keep headlights from shining into the building across Grand Oaks.

- 8. Waste Receptacle and Enclosure. The site plan does not identify an existing or proposed waste receptacle/enclosure. Review of aerial photos show a stand-alone dumpster that is not contained within an enclosure. If this condition is still present, we recommend the applicant be required to install a waste receptacle/enclosure in accordance with the provisions of Section 12.04.
- **9.** Exterior Lighting. Sheet A.3 identifies 3 new wall mounted fixtures on the proposed building addition. Details show shielded/downward directed fixtures with compliant light intensities.
- **10. Signs.** The submittal identifies an existing monument sign in the front yard. If any new signage is proposed, the applicant must comply with the standards and procedures outlined in Article 16, which includes the need to obtain a sign permit from the Township.
- **11. Impact Assessment.** The submittal includes an Impact Assessment (dated 1/9/15), which notes that the proposed project is not expected to adversely impact natural features, public services/utilities, surrounding land uses or traffic.

Genoa Township Planning Commission **DeWitt Radiator Addition** Site Plan Review #1 Page 4

Should you have any questions concerning this matter, please do not hesitate to contact our office. We can be reached by phone at (248) 586-0505, or via e-mail at <u>borden@lslplanning.com</u> and <u>foster@lslplanning.com</u>.

Sincerely, LSL PLANNING, INC.

Brian V. Borden, AICP Principal Planner

Michelle Foster Project Planner



January 30, 2015

Ms. Kelly Van Marter Genoa Township 2911 Dorr Road Brighton, MI 48116

Re: Dewitt Radiator Addition Site Plan Review

Dear Ms. Van Marter:

We have reviewed the site plan documents for the Dewitt Radiator building addition dated November 11, 2014 and delivered to the Township on January 13, 2015. The site is located at 1275 Grand Oaks Drive, south of Grand River Avenue. The petitioner is planning to construct an approximate 59-foot by 79-foot building addition on the southeast corner of the existing facility. The proposed addition will increase the net impervious area on the site, but the existing on-site detention basins are shown to have adequate capacity. Additional spot elevations near the corner of the building indicating positive drainage towards the existing detention basin should be added to the construction plans.

Our review found no engineering related impacts to the existing site from the proposed addition as illustrated on the site plan. Therefore we have no objections to the proposed renovation. Sincerely,

Jak

Gary J. Markstrom, P.E. Unit Vice President

Copy: John Stewart, Architect, John Stewart Architects

Joseph Cound

Joseph C. Siwek, P.E. Project Engineer

BRIGHTON AREA FIRE AUTHORITY



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

February 5, 2015

Kelly VanMarter Genoa Township 2911 Dorr Road Brighton, MI 48116

RE: Dewitt Radiator 1275 Grand Oaks Drive Site Plan Review

Dear Kelly:

The Brighton Area Fire Department has reviewed the above mentioned site plan. The plans were received for review on February 4, 2015 and the drawings are dated February 1, 2015. The project is based on an existing 23,348 square foot building used as Factory and Storage occupancy with rated separations.

Project Description:

The applicant is proposing a 4,661 S. F. addition at the southeast corner of the building for the purpose of product warehouse. In addition, they are providing a 20' gravel access drive along the rear of the building for fire apparatus access. A rapid access lock box is being provided on the north side of the building near the main entrance to the building.

The plan review is based on the requirements of the International Fire Code (IFC) 2012 edition. Previous comments appear to be addressed by the applicant in the revised submittal.

With the following General Comments being corrected, this submittal appears to be I general conformity with the adopted fire prevention code.

1. The proposed access road to the rear of the building shall be constructed to be capable of supporting the imposed load of fire apparatus weighing at least 75,000 pounds. This shall be confirmed through and engineering analysis.

IFC D 103.6

 The building shall include the building address on the building. The address shall be a minimum of 6" high letters of contrasting colors and be clearly visible from the street. The current address location is only visible from the north of the building. It needs to be visible from Grand Oaks Dr. at the front of the building.

IFC 505.1





Page 2 Dewitt Radiator 1275 Grand Oaks Drive Site Plan Review

The applicants design team is reminded that the building life safety plan are reviewed by the fire department in conjunction with the Building Department. Additional comments will be given during the building plan review process (specific to the building plans and occupancy). If you have any questions about the comments on this plan review please contact me at 810-229-6640.

Cordially,

Michael Evans, EFO, CFPS Deputy Fire Chief

John stewart

v. Y.

ARCHITECTS

BENDA TOWNSHIP

JAN 1 3 2015

I 645 N. MILFORD RD. MILFORD, MICH. 4838 I PH. (248) 685-0978 FAX. (248) 684-0017 Email stewartcontractors@gmail.com

January 9, 2015

Genoa Township Planning Commission

IMPACT ASSESSMENT STUDY

A. Name of person responsible for study

John Stewart Architect I 645 N. Milford Road Milford, Mi. 4838 I

B. Maps and Written description/analysis of the project site

Existing One Story Industrial Building 23,348 SF Proposed Addition to match existing building and fill in the south east corner. 4661 SF Existing asphalt parking lot to remain unchanged 61 cars existing Required parking 39 cars Arial maps attached Removal of an existing concrete pad within the proposed building pad

C. Impact on Natural Features

Entire site and topography to remain as is. No additional site disturbance anticipated. Existing trees, brush, and landscaped beds to remain unchanged No trees to be removed. No wetlands are to be disturbed or impacted.

D. Stormwater Management Requirements.

Soil erosion plan will be submitted to Livingston Co. Drain Commission. Soil erosion fencing will be installed surrounding the new addition per LCDC Requirements. Parking lot catch basins will have erosion control silt fabric placed at manhole covers.

Stormwater discharge increase due to increase in size of addition vs. existing hard surface imperviousness is within the existing stormwater collection basins capacity.

Existing drainage swale along south side between building and property line will be extended to collect rain water from new addition downspouts

E. Impact on surrounding land uses

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New addition will have no effect on surrounding land used. Addition is for inside (enclosed) storage of material used to make aftermarket radiators. Product is aluminum and steel sheets, Including storage racks for completed products. No additional sound or air pollution.

F. Impact on public facilities and services.

New addition will have no effect or impact on public facilities or services. Number of employees will not change due to addition.

G. Impact on Public Utilities.

New addition will have no impact on Public Utilities. Additional storm water is within the existing storm water designed storm waters system collection and flow parameters. During construction, all erosion control measures to be implemented. No additional sewer or water requirements

H. Storage and Handling of Hazardous materials.

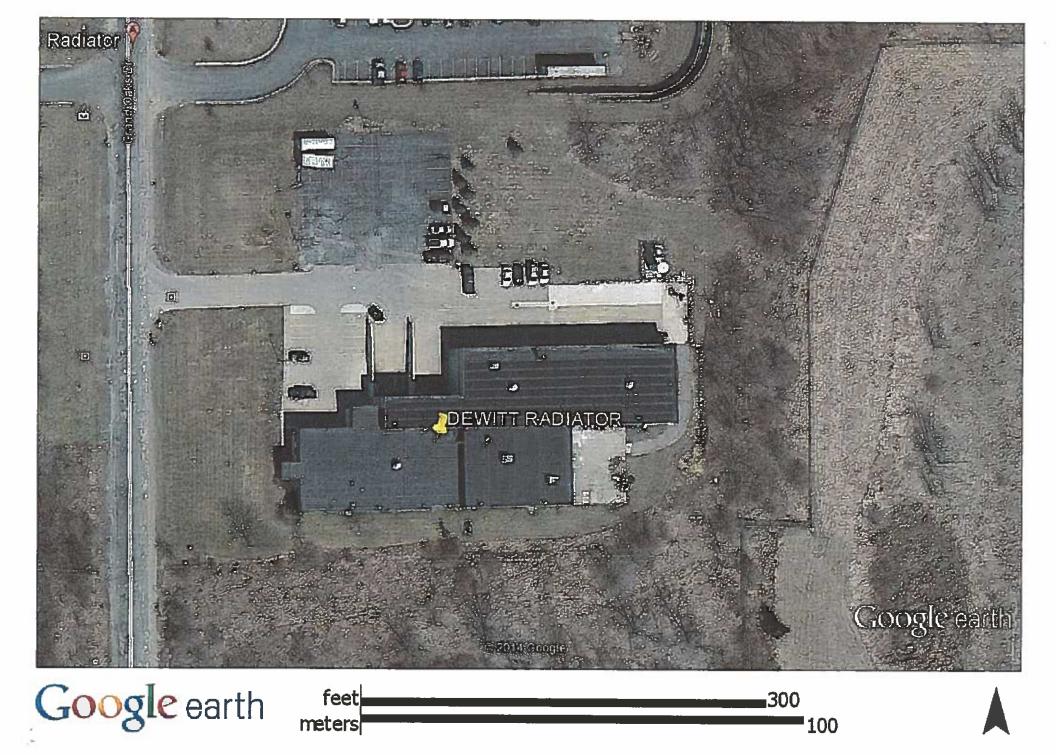
No Hazardous substances will be stored in the new addition.

I. Impact on Traffic and Pedestrians

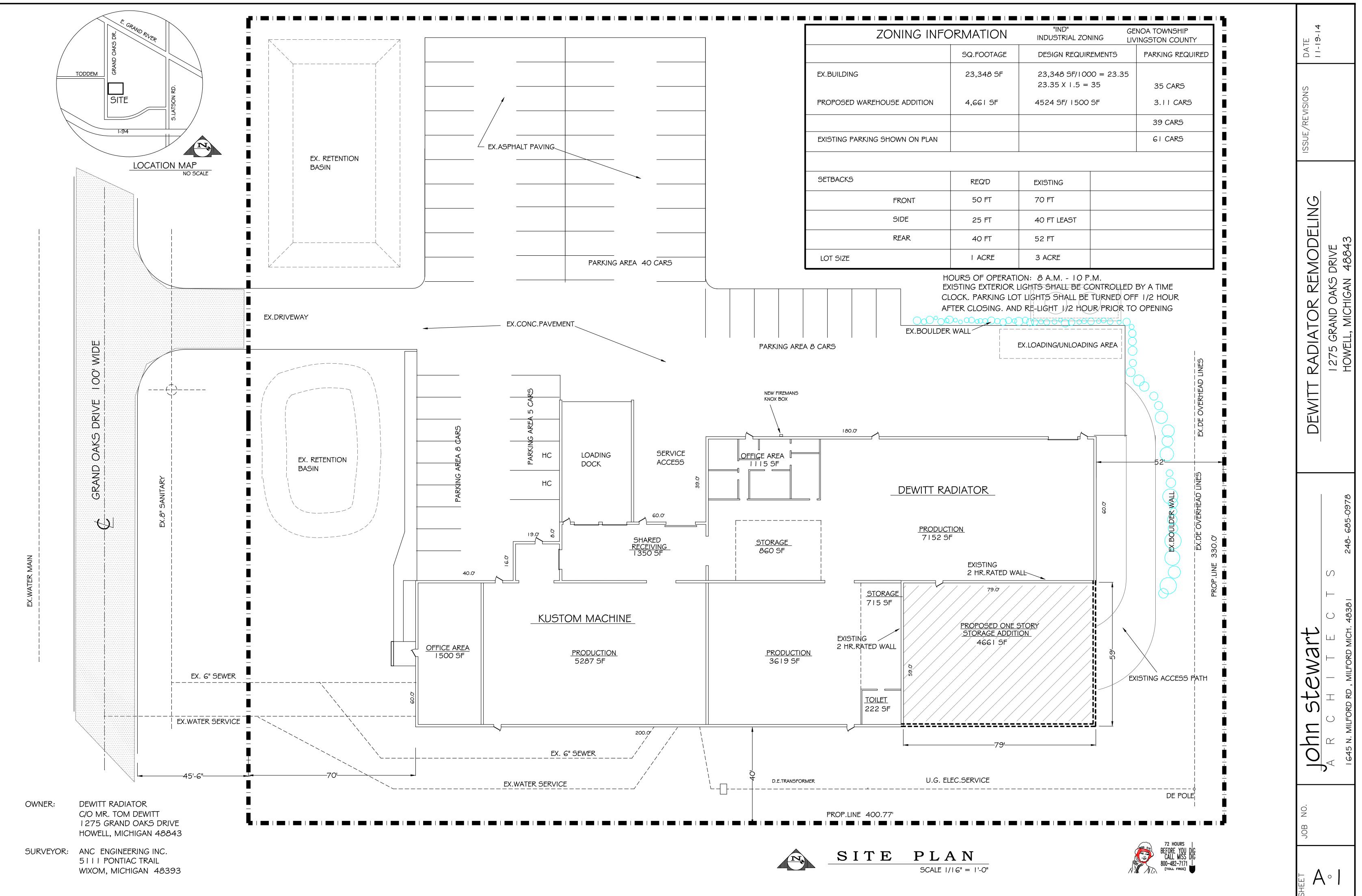
New addition will not impact traffic or pedestrians

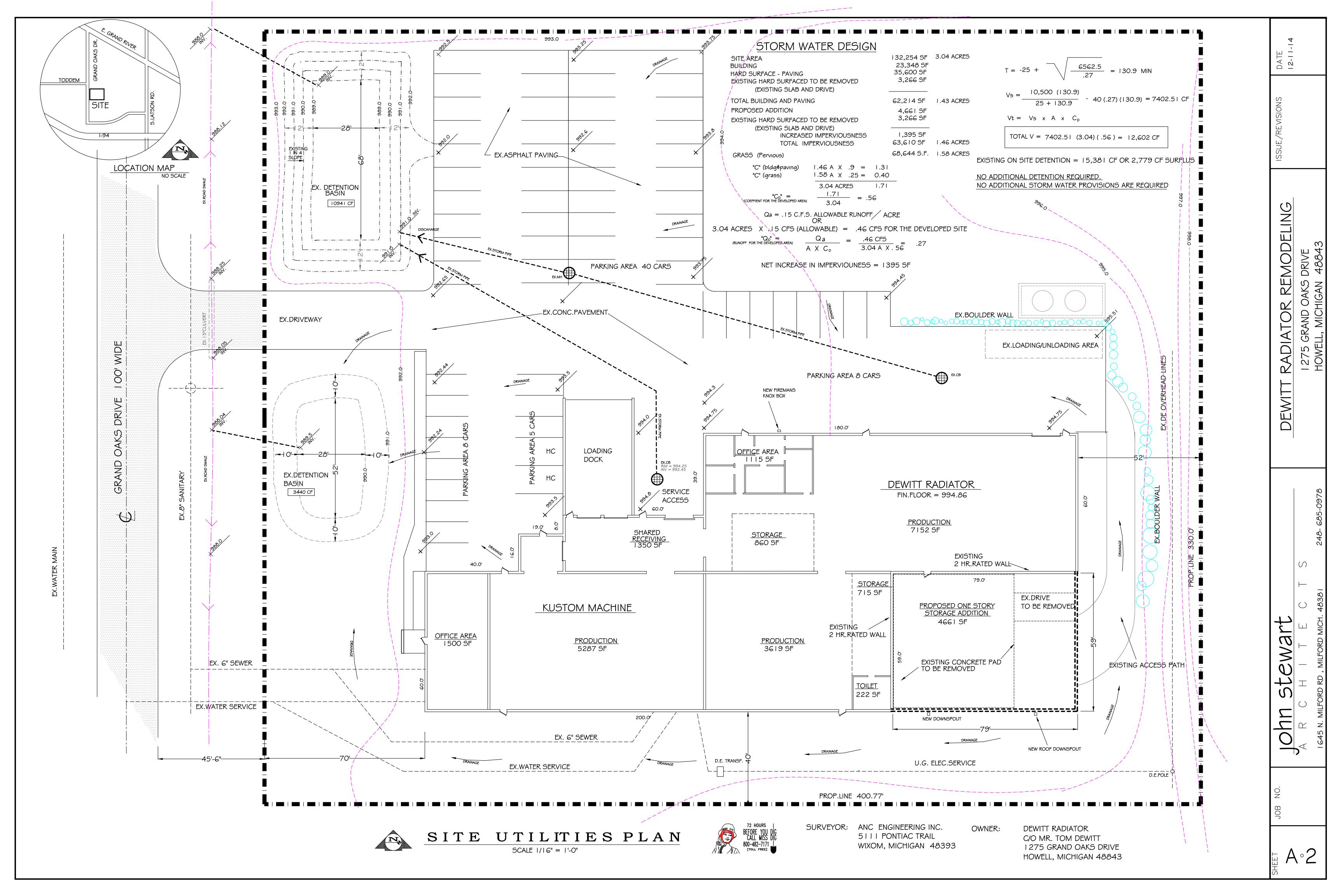
J. Special Provisions.

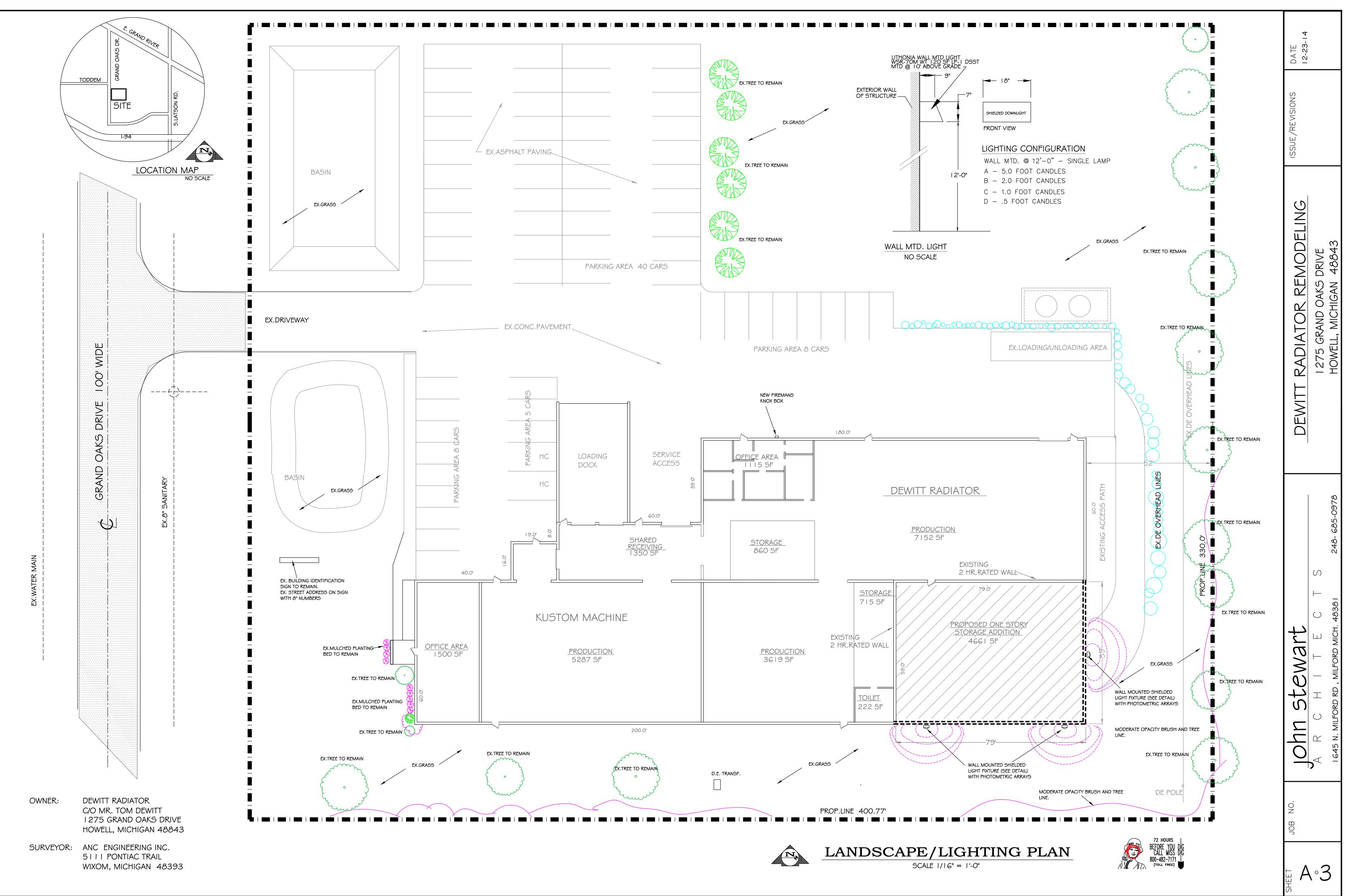
New addition has no special provisions or requirements

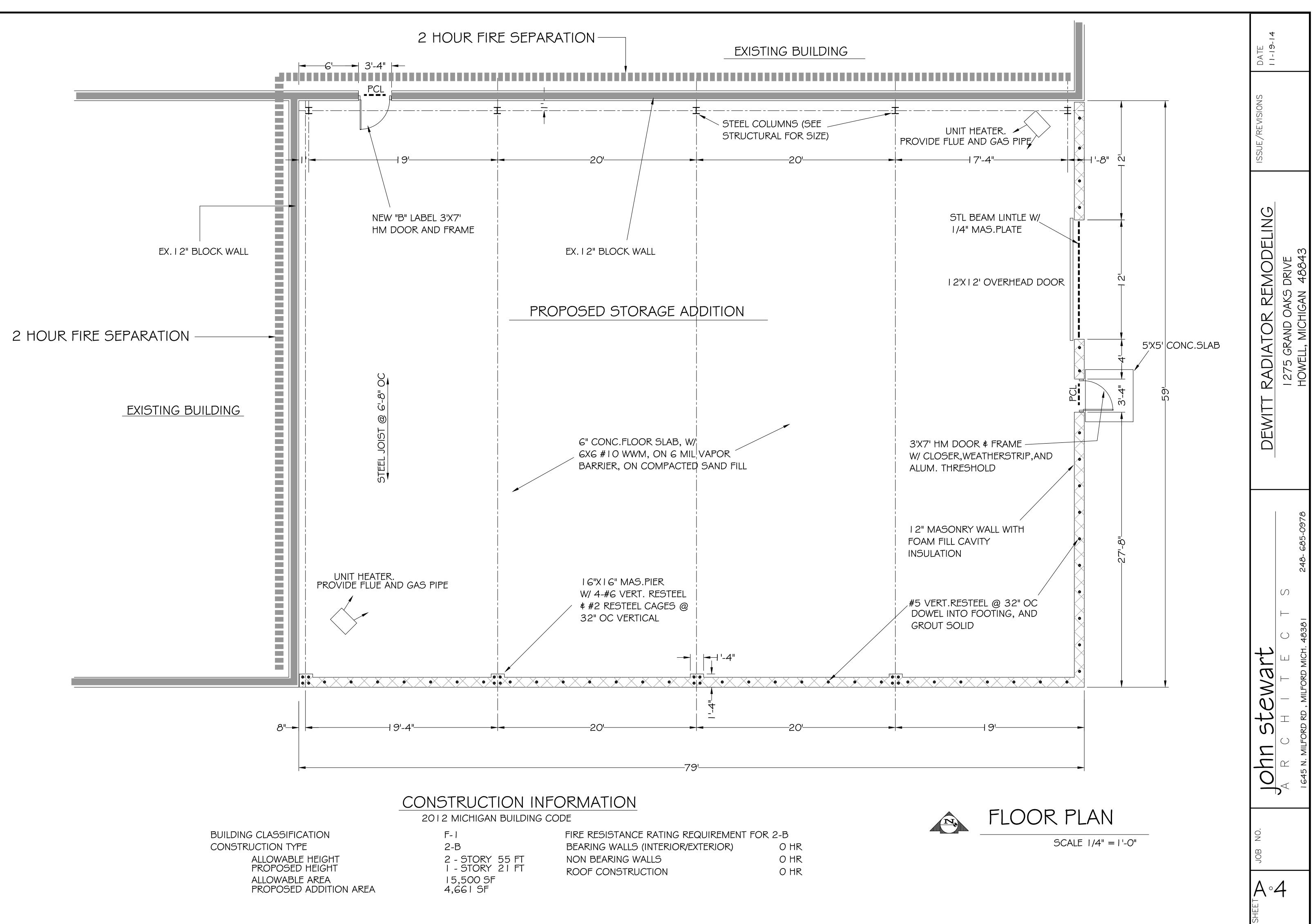




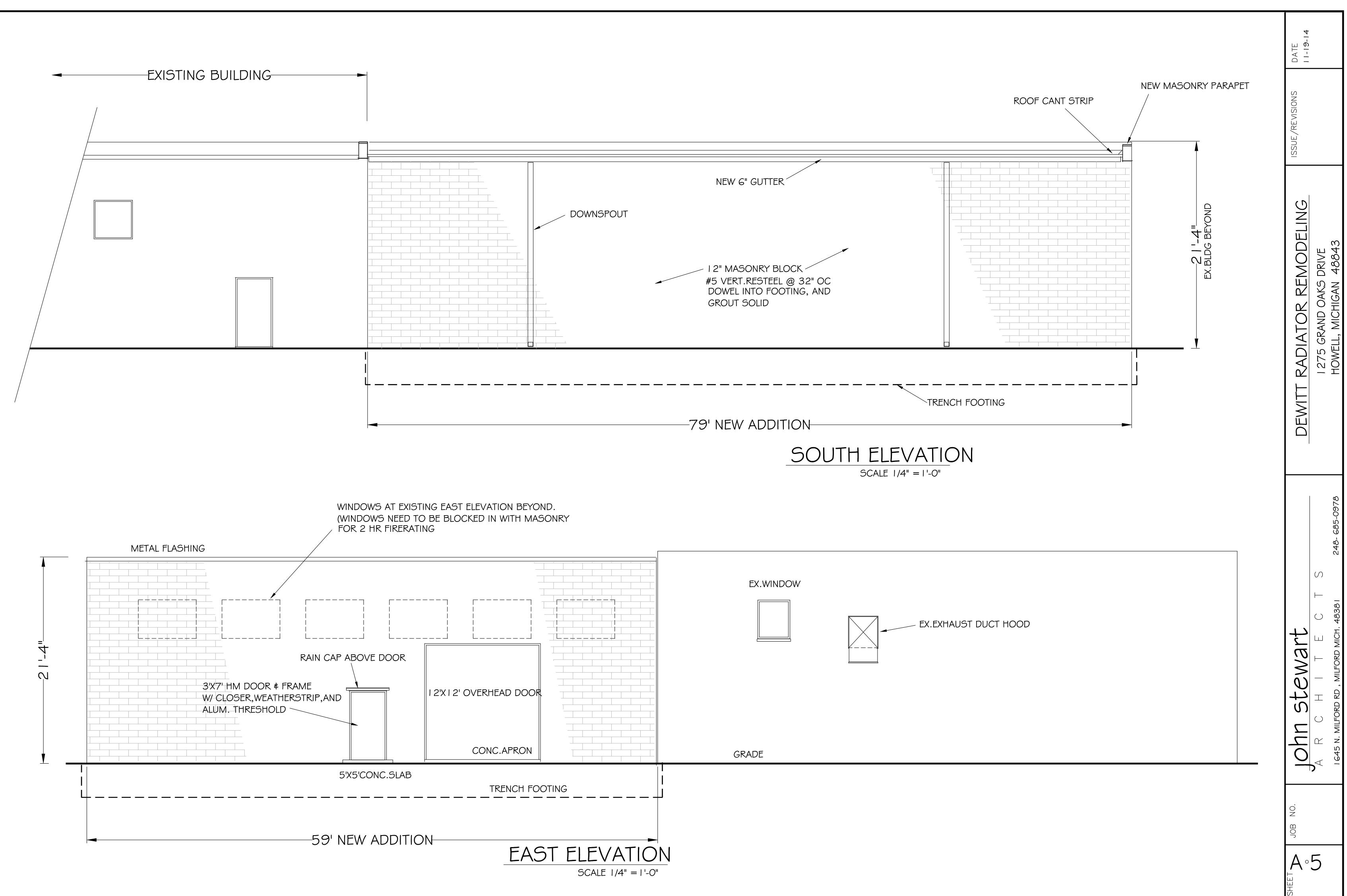








FIRE RESISTANCE RATING REQUIREMENT FO	DR 2-B
BEARING WALLS (INTERIOR/EXTERIOR)	0 HR
NON BEARING WALLS	0 HR
ROOF CONSTRUCTION	0 HR





GENOA CHARTER TOWNSHIP Application for Site Plan Review

GENOA TOWNSHIP DEC 0 1 2014

TO THE GENOA TOWNSHIP PLANNING COMMISSION AND TOWNSHIP BOARD:

APPLICANT NAME & ADDRESS: Jim Blair, 10050 Innovation Dr., Suite 100, Dayton, OH 45342 If applicant is not the owner, a letter of Authorization from Property Owner is needed.

OWNER'S NAME & ADDRESS: GCG Howell, Ltd., 10050 Innovation Dr., Suite 100, Dayton, OH 45342

SITE ADDRESS: 3950 E Grand River Ave, Howell, MI PARCEL #(s): 11-05-400-047

APPLICANT PHONE: 937-424-3904 OWNER PHONE: 937-434-7218

OWNER EMAIL: jblair@rgproperties.com

LOCATION AND BRIEF DESCRIPTION OF SITE: Lot 4 of the Livingston Commons shopping center

BRIEF STATEMENT OF PROPOSED USE: redevelopment of existing outparcel for a new multi-tenant retail building.

THE FOLLOWING BUILDINGS ARE PROPOSED: 12,000 SF of mutli-tenant retail

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: MOS

ADDRESS: 10050 Innovation Dr., Suite 100, Dayton, OH 45342

Contact Information - Review Letters and Correspondence shall be forwarded to the following:

1.) Jim Blair Name

of RG Properties, Inc. Business Affiliation

at_jblair@rgproperties.com

E-mail Address

FEE EX	CEEDANCE AGREEMENT
one (1) Planning Commission meeting. If ac will be required to pay the actual incurred c	the, all site plans are allocated two (2) consultant reviews and diditional reviews or meetings are necessary, the applicant costs for the additional reviews. If applicable, additional review th submittal to the Township Board. By signing below, erstanding of this policy. DATE: $\frac{11/2\omega}{14}$
PRINT NAME. Jim Blair	PHONE: 937-424-3904
ADDRESS: 10050 Innovation Dr., Suit	



February 4, 2015

Planning Commission Genoa Township 2911 Dorr Road Brighton, Michigan 48116

Attention:	Kelly Van Marter, AICP	
	Assistant Township Manager and Planning Director	
Subject:	Redevelopment of Livingston Commons Lot #4 – Site Plan Review #3	
Location:	Southwest corner of Grand River Avenue and Latson Road	
Zoning:	NR-PUD Non-Residential Planned Unit Development District	

Dear Commissioners:

At the Township's request, we have reviewed the revised site plan (dated 1/22/15) proposing a new multitenant commercial building, including a drive-through restaurant, for the 2.03-acre site currently occupied by a Bennigan's restaurant.

The site is located at the southwest corner of Grand River Avenue and Latson Road within Phase I of the Livingston Commons PUD, which is zoned NR-PUD. We have reviewed the proposal in accordance with the applicable provisions of the Genoa Township Zoning Ordinance.

A. Summary

- 1. We suggest placement of the Township entranceway feature at the northwest corner of the Latson/Grand Oaks intersection.
- 2. There are several proposed amendments to the PUD Agreement, including the potential allowance for multiple drive-through restaurants, a double row of parking in the front yard of Lot #4 and a payment to the Township for installation and maintenance of the Township entranceway feature.
- 3. The applicant requests that side yard parking setbacks be waived per Section 14.06.11.
- 4. The Planning Commission has approval authority over the building elevations, including materials and colors. In our opinion, the building design has been improved from the previous submittals.
- 5. There is a minor discrepancy on the landscape plan that must be corrected.
- 6. Each tenant must obtain a permit prior to installation of any signage.
- 7. We recommend the Township require details of typical outdoor patio elements at such time as each tenant seeks to use the outdoor dining spaces.
- 8. We encourage inclusion of the Township identification sign/feature near the Grand River/Latson intersection.

B. Proposal

The applicant requests site plan review/approval for a new 12,000 square foot commercial building with space for up to 5 tenants. The largest tenant space is intended for use as a drive through restaurant.

Drive through restaurants would typically require special land use approval; however, based on the proposed amendments to the PUD Agreement, one drive through restaurant would be permitted on Lot #4 (although others in the future would require special land use approval). Nonetheless, we have reviewed the drive through component of the project for compliance with the use conditions of Section 7.02.02(j).

Genoa Township Planning Commission Livingston Commons Lot #4 Site Plan Review #3 Page 2



Aerial view of site and surroundings (looking north)

C. PUD Agreement

The submittal includes proposed amendments to the existing PUD Agreement for Livingston Commons Phase I. Proposed amendments include:

- Inclusion of the "Red Olive" site into the PUD.
- Allowance for 1 drive-through restaurant on Lot #4 with the potential for future drive through restaurants with special land use approval, even if they are within 500 feet of each other.
- Allowance for the "Red Olive" site to maintain access to Grand River with a right-in/right-out limitation.
- Allowance for one double row of parking in front of a multi-tenant building on Lot #4.
- Removal of the applicant's obligation for an entranceway landmark near the interchange in lieu of a monetary payment for the Township to design, install and maintain an identification sign on Lot A1.

Our comments are as follows:

- The Red Olive project was reviewed separately. The Commission put forth a favorable recommendation for its inclusion in the PUD.
- Retention of the Red Olive driveway/easement was discussed at the previous Commission meeting.
- As was previously discussed, the double row of parking in the front yard prevents the building from being situated closer to the intersection.
- Understanding the constraints presented by the interchange design, some modification from the original concept is likely warranted. However, we suggest the landmark feature be located nearer the intersection of Latson and Grand Oaks. Based on discussion with staff and the Township Engineer, the northwest corner of this intersection seems like a more logical location that can reasonably be accommodated without disruption to the developable area of the site.
- We defer to the Township Attorney for any comment on the payment proposal related to the Township entranceway feature.

D. Use Conditions (Drive-through Restaurant)

Section 7.02.02(j) provides the following conditions for drive-through restaurants:

1. Principal and accessory buildings shall be setback fifty (50) feet from any adjacent public right of way line or property line.

This standard is met.

2. The establishment of a new drive-through restaurant shall require the lot be separated a minimum of five hundred (500) feet from any other lot containing a drive-through restaurant.

This standard is met.

3. Only one (1) access shall be provided onto any street.

Lot #4 does not have direct access to either Grand River Avenue or Latson Road. Vehicular access to this part of the development will be via the existing interior service drive, which provides access to both public roadways.

4. Such restaurants constructed adjacent to other commercial developments shall have a direct vehicular access connection where possible.

The site plan includes internal access points to the remainder of the Livingston Commons development.

E. Site Plan Review

1. Dimensional Requirements. As described in the table below, the proposal complies with the dimensional standards for this PUD:

	Lo	t Size	Minim	num Setbacks (feet)				
District	Lot Area (acres)	Width (feet)	Front Yard	Side Yard	Rear Yard	Parking	Max. Height	Lot Coverage
NR- PUD	1	150	70	15	50	20 front 10 side/rear	35	35% building 75% impervious
Proposal	2.03	270 (Latson)	101.3 (Grand River) 71.3 (Latson)	74.6 (NW) 80.4 (S)	60 (S)	20 front 0 side* 22 rear	28.3	13.6% building 72.1% impervious

* The applicant seeks Planning Commission approval in accordance with Section 14.06.11, which allows modification to side and rear yard parking setbacks where there is shared access.

2. Building Materials and Design. The proposed elevations, including colors and materials, are subject to review and approval by the Planning Commission.

Materials include quick brik, masonry ground face block, wood tile and EIFS, while colors include brown, gray and off-white. We request the applicant present material and color samples to the Commission for their consideration.

As discussed at the previous Commission meeting, the amount of EIFS on the front façade has been greatly reduced. Although calculations are not provided, we estimate the proposed building is compliant with the requirement for at least 80% natural materials (per the PUD Agreement). Additionally, the parapet/cornice has been wrapped around the building, providing a much improved "rear" elevation.

3. Parking. As outlined in the table on Sheet C-2.0, 119 spaces are required for the proposed multitenant building. Additionally, given the nature of the uses, 12 RV spaces, 3 waiting spaces and 10 stacking spaces are also required.

There are 78 spaces proposed within the confines of Lot #4, as well as portions of the 12 RV spaces, the 3 waiting spaces and the 10 stacking spaces. An additional 84 spaces are available via shared parking with the reconfigured lots west and south of Lot #4.

The parking spaces and drive aisles meet or exceed the dimensional standards of Section 14.06 and a detail on Sheet C-2.1 identifies the use of looped (double striped) spaces.

- **4. Pedestrian Circulation.** The plan identifies the existing sidewalks along Grand River and Latson with a connection proposed between the public sidewalk and building. Sidewalks are also proposed around the building and along the Lot #4 side of the existing interior service drive.
- **5.** Vehicular Circulation. As previously noted, Lot #4 does not have direct vehicular access to either roadway. Instead, access is provided at 2 points to the existing internal service drive.

The reconfigured waste receptacle in the southeast corner should reduce any potential traffic conflicts at the rear of the building. There is still the chance that refuse removal at either dumpster area could briefly impact circulation; however, the applicant previously stated they will coordinate refuse removal during off peak drive-through times.

6. Loading. The plan identifies the 2 required loading spaces at the rear of the building.

Location	Requirements	Proposed	Comments
Front yard	17 canopy trees	18 canopy trees	Requirements met
greenbelt	17 evergreen trees	18 evergreen trees	
(Grand River	67 shrubs 72 shrubs		
& Latson)	20-foot width	20-foot width (minimum)	
Parking lot	12 canopy trees	12 canopy trees	Requirements met
	1,210 SF landscaped area	4,161 SF landscaped area	
	Hedgerow	Hedgerow	

7. Landscaping. We have reviewed the landscape plan as follows:

Our only additional comment is a discrepancy in the number of Colorado Blue Spruce between the plan (13) and table (23) that must be corrected on Sheet C-5.0.

8. Waste Receptacle and Enclosure. The project includes 2 new waste receptacle areas. Section 12.04 requires a rear yard or non-required side yard location, unless otherwise approved by the Planning Commission. Both of the proposed receptacles comply with this standard.

Details on Sheet C-2.3 identify the required concrete base pad and a masonry enclosure, which will match materials used on the building.

- **9.** Exterior Lighting. The submittal includes a lighting plan (Sheet C-6.0), which proposes the installation of 3 new light poles, 4 new light fixtures on existing poles and 12 wall mounted fixtures. The details and photometric readings on Sheets C-6.0 and C-6.1 are all in accordance with the requirements of Section 12.03.
- **10. Signs.** In total, the submittal includes 2 monument signs (existing structures with new sign faces added) and 10 wall signs (2 for each unit). Two menu boards are also shown on the site plan. The Ordinance allows up to 2 menu boards with a maximum size of 16 square feet per board.

Genoa Township Planning Commission Livingston Commons Lot #4 Site Plan Review #3 Page 5

Given the site's presence as a corner lot, 2 wall signs are permitted for each business and the Planning Commission may permit 2 monument signs.

The revised submittal includes a note that tenants in the end units will have the choice for 2 out of 3 potential wall sign locations, as was requested at the previous Commission meeting.

Information on sign sizes is needed to confirm compliance with the dimensional standards of Article 16; however, the applicant previously stated that it will be each tenant's responsibility to obtain approval and a permit prior to sign installation.

- **11. Impact Assessment.** The initial submittal included an Impact Assessment (dated 12/1/14). In summary, the Assessment notes that the project is not anticipated to adversely impact natural features, public services/utilities, surrounding land uses or traffic.
- **12. Additional Considerations.** As was discussed at the previous Planning Commission meeting, each tenant utilizing the outdoor dining patios will be responsible for furnishings. We recommend the Township require that details of typical elements (tables, chairs, umbrellas, trash receptacles, fencing, etc.) be submitted for review/approval prior to installation and/or use of these areas.

Additionally, the Township identification signage near the intersection of Grand River and Latson has been removed from the plans and replaced with a note only for a possible future flagpole. We suggest this feature be retained in the development proposal, as was previously discussed.

Should you have any questions concerning this matter, please do not hesitate to contact our office. We can be reached by phone at (248) 586-0505, or via e-mail at <u>borden@lslplanning.com</u> and <u>foster@lslplanning.com</u>.

Sincerely, LSL PLANNING, INC.

Brian V. Borden, AICP Principal Planner

Michelle Foster Project Planner



February 2, 2015

Ms. Kelly Van Marter Genoa Township 2911 Dorr Road Brighton, MI 48116

Re: Livingston Commons Lot 4 Redevelopment Site Plan Review # 3

Dear Ms. Van Marter:

We have reviewed the resubmitted site plan documents prepared by Wade Trim for the Livingston Commons Lot 4 Redevelopment dated January 22, 2015. The site is on the southwest corner of the intersection of Grand River Avenue and Latson Road. The petitioner is planning to demolish the existing Bennigan's Restaurant and construct a 12,000 sft multi-tenant retail building.

The revised exhibit B drawing shows the Township identification sign on the adjacent parcel near the existing bank. This doesn't appear to be a logical place for the Township entrance sign. The original concept was to have it at the Latson I-96 interchange however grades do not support this location. Our recommendation is to locate the entrance sign on the northwest corner of Grand Oaks and Latson just beyond the clear vision set aside area. It can be located within the set back of the lot and thereby not impact the developable area of the parcel. The aesthetics of the sign should be reviewed by the Township Planner.

The petitioner corrected the previous site plan issue with the proposed fire hydrant that was shown coming off Latson Road. Provided that the Fire Department is satisfied with the revised site configuration after removal of that proposed hydrant, we have no engineering related objections to approval of the site plan.

Sincerely,

Unit vice i restacin

copy: Charles Christy, P.E., Wade Trim

Joseph Sawet

BRIGHTON AREA FIRE AUTHORITY



615 W. Grand River Ave. Brighton, MI 48116 0: 810-229-6640 f: 810-229-1619

January 26, 2015

Kelly VanMarter Genoa Township 2911 Dorr Road Brighton, MI 48116

RE: Livingston Commons Shopping Center 3950 E. Grand River (Lot 4 redevelopment) Revised Site Plan Review

Dear Kelly:

The Brighton Area Fire Department has reviewed the above mentioned site plan. The plans were received for review on January 23, 2015 and the drawings are dated January 22, 2015. The project is based on the demolition of an existing Restaurant building and the construction of a new mixed-use building. The building is planned as new 12,000 square foot structure with assembly and mercantile spaces. The plan review is based on the requirements of the International Fire Code (IFC) 2012 edition.

The plans as submitted appear to be in general conformity with the Townships adopted fire prevention code. It is suggested that the applicant consider the following Specific Comment.

1. The utility plan shows the use of the existing 4" fire protection water main feed. The design team should consider consulting with a fire protection designer to confirm that this lead will supply the necessary water supplies to meet the system design. The proposed mercantile (retail) occupancies will have a higher demand than the previous restaurant had.

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

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

Cordially,

Michael Evans, EFO, CFPS Deputy Fire Chief



MEMORANDUM

2911 Dorr Road		
Brighton, MI 48116	TO:	Bo Gunlock
810.227.5225	FROM:	Kelly VanMarter, Assistant Township Manager/Community Development
810.227.3420 fax	TROM.	Director
genoa.org		
	DATE:	January 8, 2015
	RE:	Lot 4 (Bennigan's) Redevelopment Sewer and Water Tap Fees 3950 E. Grand River (11-05-400-047)

This memo will describe the connection fees required for a new 12,000 sq. ft. multitenant building located at 3950 E. Grand River. The connection fees are based on the proposed uses on the site plan dated 12/1/14 revised 12/23/14 as follows:

4,400 sq. ft. sit down restaura	ant (no liquor) @ 2.4 REU per 1,000 sq. ft. =	= 10.56 REU	
3,228 sq. ft. retail @ 0.20 REU per 1,000 sq. ft. = 0.65 REU			
4,372 sq. ft. drive through res	1,372 sq. ft. drive through restaurant @ 7.5 REU per premise = 7.50 REU		
	TOTAL REU NEW BUILDING =	18.71 REU	
	Less previously paid by Bennigan's	-16.60 REU	
	NEW CONNECTION CHARGE =	2.11 REU	

Water	2.11 REU @ \$7,900	\$ 16,669.00
Sewer	2.11 REU @ \$7,200	\$ 15,192.00
		Total Due: \$ 31.861.00

SUPERVISOR

Gary T. McCririe

CLERK Paulette A. Skolarus

TREASURER Robin L. Hunt

MANAGER Michael C. Archinal

TRUSTEES

H. James Mortensen Jean W. Ledford Todd W. Smith Linda Rowell

Connection Fees must be paid at time of land use permit issuance.

A meter package may also need to be purchased including the appropriate sized meter and a MIU (meter interface unit). Should you have any questions please feel free to contact me at 810-227-5225.

COVER SHEET FOR

AMENDMENT TO PLANNED UNIT DEVELOPMENT AGREEMENT

FOR PHASE I AND PHASE II LAND

BETWEEN

RLG HOWELL LLC AND GCG HOWELL LLC

AND

PKJJ, LLC

AND

TOWNSHIP OF GENOA

DATED _____, 2015

Prepared By and After Recording Return To: April Ann Jordan Hedrick & Jordan Co., LPA 100 E. Third Street, Suite 500 Dayton, Ohio 45402 937-228-3889

STATE OF MICHIGAN COUNTY OF LIVINGSTON TOWNSHIP OF GENOA

AMENDMENT TO PLANNED UNIT DEVELOPMENT AGREEMENT

This Amendment to Planned Unit Development Agreement is made and entered into this _____ day of ______, 2015, by **RLG HOWELL LLC**, a Michigan limited liability company, and **GCG HOWELL LLC**, a Michigan limited liability company, both of 10050 Innovation Drive, Suite 100, Dayton, Ohio 45342 (collectively, "Owner"); **PKJJ, LLC**, a Michigan limited liability company, of ______ ("PKJJ); and **GENOA CHARTER TOWNSHIP**, a Michigan municipal corporation, 2911 Dorr Road, Brighton, Michigan 48116 ("Township").

RECITATIONS:

Owner possesses fee title to certain real property located in Genoa Charter Township, Livingston County, State of Michigan, described in that certain Planned Unit Development Agreement dated April 6, 1999, and recorded at Liber 2609, Page 0205 of the records of Livingston County, Michigan (the "Phase I PUD").

Subsequent to the Phase I PUD, Owner and Township entered into that certain Planned Unit Development Agreement for Phase II Land dated August 17, 2009, and recorded at 200R-023916 of the records of Livingston County, Michigan (the "Phase II PUD"). The Phase I PUD applied to Phase I and Phase II land described therein, and the Phase II PUD modified provisions pertaining to Phase II.

In 2011 Owner and Township considered a further Amendment to the Phase I PUD Agreement that contemplated the reconfiguration of Lot #4 into two sub-lots; provided however the amendment was never finalized or executed, and as such is of no force or effect.

Pursuant to Article IV, Internal Road Network, subsection 4.1, the Phase I PUD contemplated that the property formerly owned by the Prairie House Restaurant and know owned by PKJJ (the "Red Olive Parcel") described on Exhibit A attached hereto could benefit from an easement established by Owner over and across the Red Olive Parcel.

Owner and PKJJ have agreed to amend Owner's existing Declaration of Restrictions and Easements for Outlots dated September 2, 1999, recorded September 10, 1999, at Liber 2652, Page 0082 of the records of Livingston County, Michigan (the "Declaration") to provide the Red Olive Parcel with access over the access ways on the adjacent lands of Owner and to subject the Red Olive Parcel to the terms of the Declaration.

Further, Owner and the Township have agreed to amend the provisions of the Phase I PUD and Phase II PUD regarding pylon signage and the construction of a Township identification sign.

In connection therewith, Owner and PKJJ wish to amend the Phase I PUD and the Phase II PUD to subject the Red Olive Parcel thereto; and to modify the signage provisions, all pursuant to the terms contained herein.

NOW, THEREFORE, Owner and PKJJ, in consideration of the mutual promises contained in this Agreement, hereby agree as follows:

1. <u>Article I, General Terms of Agreement</u> of the Phase I PUD, shall be amended to add the following additional subsection:

1.7 The Red Olive Parcel shall be subject to the terms and conditions of the Phase I PUD, subject to the provisions of this Amendment.

2. <u>Article II, Land Use Authorization</u>, subsection 2.1 of the Phase I PUD, shall be amended to delete the sentence reading "Further, only one drive through restaurant facility shall be permitted and such use shall only be permitted on Lot #1." The following shall be placed in its stead:

One drive through restaurant facility may be allowed on Lot #4. Additional drive through restaurant facilities may be allowed on all parcels within five hundred feet (500') of each other, subject to Special Land Use approval by the Township, including the Special Use Requirements as outlined in the Special Land Use Regulations as they may exist from time to time. The Township and Owner agree that this use shall be considered upon providing that the stacking or queuing of such drive through restaurant facilities shall be sufficient to accommodate expected peak volumes and to minimize conflict with the internal road network located on the Property, as well as any public roadways. Provided, however, no drive-thru shall be permitted on the Red Olive Parcel.

3. <u>Article IV, Internal Road Network</u> of the Phase I PUD, shall be amended to add the following additional sentence:

Notwithstanding anything contained in the Phase I PUD to the contrary, the Red Olive Parcel shall be allowed to maintain access to the Grand River Avenue existing curb cut, provide such access shall be limited to "right-in, right-out" movement.

4. <u>Article VI, Site Improvements</u>, subsection 6.5(a) shall be amended to add the following additional sentence:

Notwithstanding anything contained herein to the contrary, in the event a multi tenant building is constructed on Lot #4, then one double row of parking may be installed in front of the building (also called the "front yard") on Lot #4.

5. <u>Article VI, Site Improvements</u>, subsection 6.5(b) of the Phase I PUD, and subsection 6.4(B) of the Phase II PUD, shall each be deleted, it being acknowledged that Owner shall have no obligation to the Township to provide an entranceway landmark pursuant to the Phase I PUD or the Phase II PUD because such location or locations are not available for such signage. The following shall be inserted instead:

The Owner shall pay to the Township the sum of Twenty-Five Thousand and 00/100 Dollars (\$25,000.00) within forty-five (45) days after building permits are issued for the new improvements to be constructed on Lot #4. In consideration of such payment, Owner shall have no obligation to install a Township identification sign and instead the Township shall install and maintain the Township identification sign at the Township's expense. The Township identification sign shall be installed within the twenty foot (20') set back on Owner's Lot A and shall be constructed as depicted on Exhibit B attached hereto. The Township identification sign shall be a maximum of six feet (6') in height and shall be oriented so as to be most visible from Latson Road. Easements for such construction and maintenance of a Township Identification sign shall be granted and accepted at the time that the Twenty-Five Thousand and 00/100 dollars (\$25,000.00) is paid to the Township.

6. <u>Article VII, Design of Building and Signs</u>, subsection 7.2, Signage, shall be amended to delete the fourth sentence regarding the highway signs and the following sentences shall be placed in its stead:

There shall be permitted one (1) pylon sign of a maximum of three hundred (300) square feet, not to exceed 42' in height, advertising users in both Phase I and Phase II. Additionally, the owner of the Red Olive Parcel may install a monument sign abutting Grand River Avenue and other signs as may be permitted under the Declaration.

APPROVED by Owner and PKJJ on this ____ day of _____, 2015.

WITNESSES:

RLG HOWELL LLC, a Michigan limited liability company

By: Randall L. Gunlock, Trustee under the Amended Revocable Trust Agreement Dated May 30, 2013, Randall L. Gunlock, Grantor, Managing Member

By: Randall L. Gunlock Its: Trustee

GCG HOWELL LLC, a Michigan limited liability company

By: Glenn C. Gunlock Its: Managing Member

PKJJ, LLC, a Michigan limited liability company

By:	
Its:	

STATE OF)) SS: COUNTY OF)

The foregoing instrument was acknowledged before me the ____ day of _____, 2015, by Randall L. Gunlock, Trustee under the Amended Revocable Trust Agreement Dated May 30, 2013, Randall L. Gunlock, Grantor, Managing Member of RLG Howell LLC, a Michigan limited liability company, on behalf of the company.

Notary Public

STATE OF

COUNTY OF

)) SS:)

The foregoing instrument was acknowledged before me the ____ day of _____, 2015, by Glenn C. Gunlock, Managing Member of GCG Howell LLC, a Michigan limited liability company, on behalf of the company.

STATE OF

)

Notary Public

COUNTY OF

) SS:)

The foregoing instrument was acknowledged before me the ____ day of _____, 2015, by _____, the _____, the _____ of PKJJ, LLC, a Michigan limited liability company, on behalf of the company.

Notary Public

APPROVED by the Township Board for the Township of Genoa on the ____ day of _____, 2015, at a meeting duly called and held.

WITNESSES:		TOWNSHIP OF GENOA:
		By: Its:
		118.
		By: Its:
STATE OF)	
COUNTY OF) SS:	

The foregoing instrument was acknowledged before me the ____ day of _____, 2015, by ______, who was duly authorized by the Genoa Township Board to sign this Amendment on behalf of Genoa Township and who acknowledged the same to be his/her free act and deed.

Notary Public

STATE OF COUNTY OF

The foregoing instrument was acknowledged before me the ____ day of _____, 2014, by ______, who was duly authorized by the Genoa Township Board to sign this Amendment on behalf of Genoa Township and who acknowledged the same to be his/her free act and deed.

) SS:

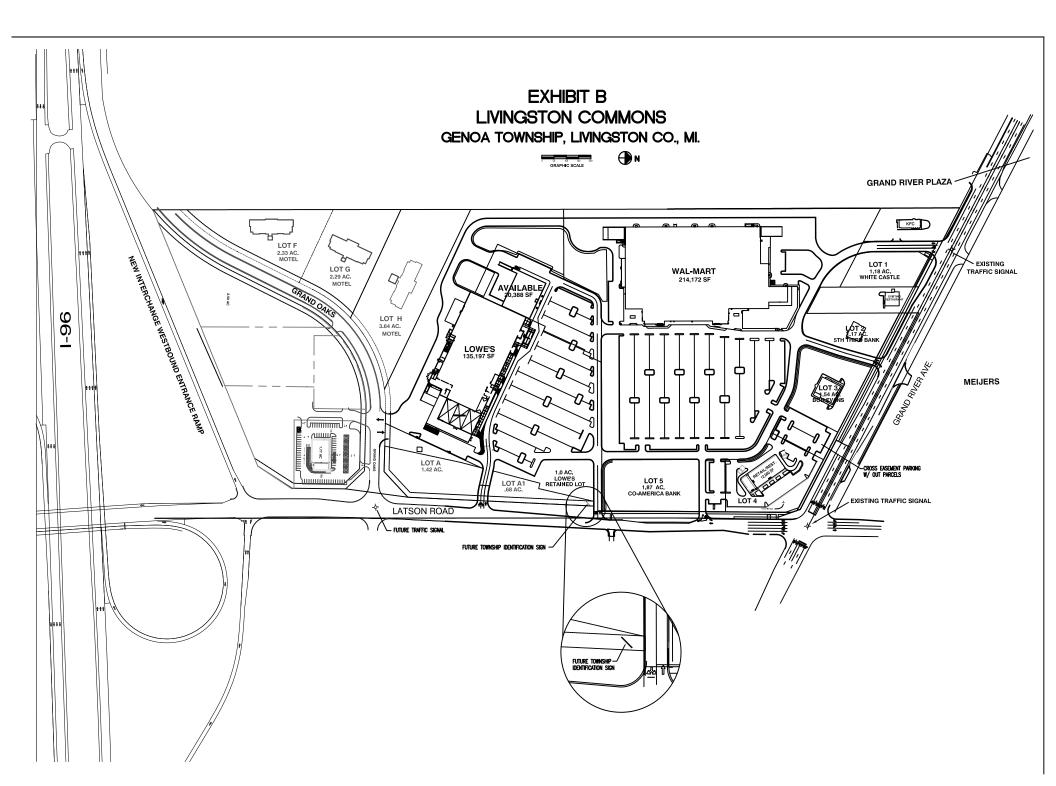
Notary Public

EXHIBIT A

LEGAL DESCRIPTION OF RED OLIVE PARCEL

EXHIBIT B

TOWNSHIP IDENTIFICATION SIGN



Impact Assessment Redevelopment of Lot 4 Livingston Commons Shopping Center Genoa Township, Michigan

December 1, 2014

Prepared for: RG Properties 10050 Innovation Drive, Suite 100 Dayton, OH 45342





Written Impact Assessment for Redevelopment of Lot 4 Livingston Commons

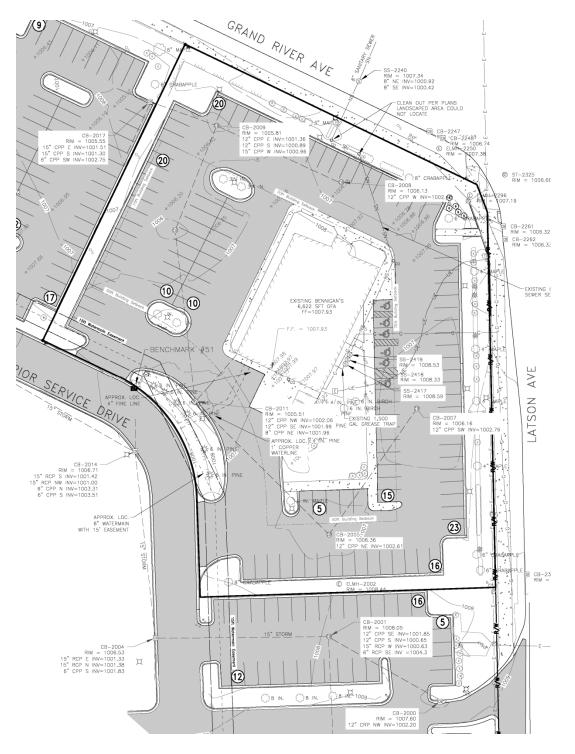
- 18.07.01 Preparer This impact assessment is prepared and assembled by Charles J. Christy, PE. Mr. Christy has been licensed as a professional engineer in the State of Michigan since 1993. During the past 21 years, his experience has primarily focused on land development with commercial, industrial, and residential projects. Mr. Christy has completed numerous site plans, special use permits, and planned unit developments across the State.
- 18.07.02 **Location** The project is located at Livingston Commons Shopping Center, 3950 East Grand River Avenue, Howell, MI. The site is currently developed with a Bennigan's restaurant on approximately 2.03 acres (88,427sft). The site is located at the southwest corner of the intersection of East Grand River Avenue and South Latson Road and is part of a larger overall development which includes WalMart, Lowes, Staples, and other out parcels.

Adjacent properties are occupied by Bob Evans (to the west), O'Reilly Auto Parts (east across Latson), Comerica Bank (to the south), Shell Gas Station (north across E. Grand River), Applebee's (across E Grand River to the west), and a small strip center at the north east quadrant of E Grand River and Latson.

An aerial photograph of the project area is included on the following page.



18.07.03 Impact on natural Features – The site is currently developed with an approximately 6,622sft restaurant, 119 parking space parking lot, storm sewer collection system, sanitary and potable water services, franchise utility services, and landscaping. Please refer to plan Sheet C-0.1 for the existing conditions survey for greater detail. No wetlands are on or adjacent to the site. See below for a snap shot of the existing conditions.



18.07.04 Impact on Stormwater Management – The site is currently approximately 76% impervious and has a series of catch basins and storm sewer pipes to collect surface water runoff. The storm system leaves the site at the northwest corner of the parcel and enters the larger storm water management system for the overall PUD. The overall development, when constructed, has a regional storm water management system consisting of several basins which were designed to manage storm water from all parcels in the PUD.

The proposed redevelopment will be approximately 72% impervious. A majority of the existing catch basins and storm sewer pipe will be retained and utilized to convey storm water runoff after redevelopment, maintaining the existing discharge point from the site. Since the redeveloped site will contain less impervious surfaces due to an increase in landscaping area, the total volume of storm water runoff will be less and the time of concentration will be greater, resulting in a lower peak discharge rate. This being the case, we have not quantified the decrease in runoff or peak discharge rate. We are not proposing any changes to the regional storm water management system (basins).

The proposed work will entail removing some pavement, demolition of the existing building and utilities, and new landscaping. A majority of the existing pavement will remain, including storm structures and pipes. The existing asphalt that is to remain, will be surface milled and overlaid with a new top course. Grading and earthwork, by design, will be kept to a minimum only as required to maintain/re-establish drainage patterns and to allow for the new landscaping.

Managing soil erosion will be accomplished with silt fences, inlet protection, and construction entrance BMP's. Final restoration will consist of asphalt, concrete, lawn and landscaping. Additional detail on the soil erosion control measures can be found in the plan submittal set, Sheets C-7.0 through C-7.3. A soil erosion and sedimentation control permit will be applied for at the Livingston County Drain Commission office.

18.07.05 Impact on Surrounding Land Uses – The surrounding area is developed into retail uses consisting of restaurants, gas service station, and other commercial retail establishments. Both E. Grand River and S. Latson Road are 4 lane roads with a center turn lane and right turn lanes where appropriate. The intersection of E. Grand River and S. Latson Road is signalized with protected left turn lanes.

The proposed redevelopment is a similar use when compared to the existing Bennigan's and the uses on the surrounding properties. Hours of operation will be similar to the surrounding uses. However, Bennigan's is currently not open for breakfast and the proposed development will be open for breakfast. The existing access to the site will remain as currently configured.

The existing lighting on the site will be reconfigured. Several of the light poles will be removed, several of the existing light fixtures will be replaced with lower wattage, and

several new light poles will be strategically located to provide safety and security. Overall, the redevelopment will result in lower lighting intensities.

Dust control will be utilized during the demolition and construction phase to minimize air pollution.

Due to the nature, use, and size of this project, it is not anticipated that the noise levels generated on this site will be greater than the adjacent traffic on E. Grand River and S. Latson Road. Additionally, since this is a retail development, the project will not generate or cause concern with regards to: smoke, airborne solids, odor, vibration, radioactive materials, fire and safety hazards, UST's, or hazardous materials.

18.07.06 Impact on Public Facilities and Services – The proposed use will be nearly double in size as the existing building. The restaurant uses of the proposed building will be approximately 31% larger than the existing use and approximately 3,300sft of retail use will be added to the site.

The increase in use is a fraction of the total square footage of comparable uses in the immediate area. There are other uses in the immediate area that are larger and more susceptible to police action. Although we have not contacted police, fire, or emergency services regarding this project, we conclude that the respective agencies are prepared to respond to the larger uses adjacent to our site, and therefore, have the ability to respond appropriately to incidents on this site.

18.07.07 Impact on Public Utilities – The site is currently serviced by M.H.O.G. for water and sanitary sewer service. An 8-inch water main and hydrants are located along the existing interior service drive. An 8-inch sanitary sewer lead is extended to the site across E. Grand River. The existing sewer service will be extended to the new building and, due to its size, has the capacity to serve the proposed building (an 8-inch pipe at minimum grade has capacity of over 500,000 GPD or 347gpm. A 6-inch pipe at minimum grade has capacity of approximately 400,000 GPD or 277gpm).

Equivalent User Table for proposed building (to be confirmed at building permit application stage).

User	Unit Factor	Qty	Sub-Total
Restaurants (fast food, including drive thru & primary drink service)	7.5 per premise	1 Ea	7.5
Restaurants (meals w/service & dishes)	2.4 per 1,000sft	2,200sft	5.28
Restaurants (take out)	1.0 per 1,000sft	2,200sft	2.2
Retail Stores	0.20 per 1,000sft	3,228sft	0.65
TOTAL			15.63

Based on a REU equivalent of 218 gallons per day, the proposed building would generate 3,407 gallons of sewage per day (15.63 x 218).

The existing water service consists of a potable water lead and 4-inch fire protection main. The existing 4-inch fire protection main will be extended to the new building, providing fire protection through a fully automatic sprinkler system. A new post indicator valve (PIV) will be installed in the 4-inch service near the existing main and a fire department connection (FDC) will be installed on the building.

The existing potable water service connection will be demolished back to the existing main and five (5) new services to the building are proposed.

- 18.07.08 **Storage and Handling of any hazardous Materials –** The proposed use is retail in nature. No hazardous materials will be generated, used, or disposed of on-site.
- 18.07.09 **Traffic Impact Study** We have completed a Trip Generation Comparison for the redevelopment for Township review. This comparison is included at the end of this Impact Assessment.
- 18.07.10 **Historic and Cultural Resources –** The existing structure is not more than 50 years old.
- 18.07.11 Special Provisions The Owner of Lot 4 has a REA agreement with the other tenants / Owners of the overall PUD development allowing shared use of the: internal drives, drive access to E. Grand River & S. Latson Road, and storm water management system. A copy of this REA is included at the end of this Impact Assessment.
- 18.07.12 List of Sources Google for image in 18.07.02
- 18.07.13 **Previous Impact Assessments –** An impact assessment was previously completed for the PUD. This impact assessment focuses on the redevelopment of Lot 4.

TECHNICAL MEMORANDUM

Livingston Commons Lot 4 Trip Generation Comparison

PREPARED FOR:	Kelly VanMarter, AICP/ Genoa Township
PREPARED BY:	Aimée L. Giacherio, PE/Wade Trim
DATE:	November 7, 2014
PROJECT TASK:	RGP1001.01F Phase 240 Impact Assessment
FILE LOCATION:	$P:\Aaa1000\Agiachero\Draft\Projects\Livingston\ Commons\TechMemo.docx$

RG Properties is proposing to redevelop the existing Bennigan's Restaurant in the southwest quadrant of Grand River Avenue and Latson Road in Genoa Township. This area is part of the overall Livingston Commons Shopping Center. The redevelopment would consist of two new multi-tenant buildings in place of the existing Bennigan's Restaurant. The overall scope was to determine the difference in trip generation between the existing restaurant use and the proposed redevelopment project to determine the additional trips that would be generated by the multi-tenant use. This memorandum summarizes the expected difference in trip generation.

Existing Trip Generation

Existing trips generated by the Bennigan's Restaurant were estimated based on the Institute of Transportation Engineer's (ITE) report *Trip Generation, Ninth Edition,* 2012. Trip estimates were developed for the existing 6,622 square foot restaurant based on the High Turnover (Sit-Down) Restaurant use, Land Use Code 932. The weekday afternoon peak hour trip generation estimates are shown in Table 1. This Bennigan's Restaurant was not open during the morning peak hour, thus the existing trip generation during the morning peak hour is zero.

Traffic for a restaurant type use consists of new trips, whose sole purpose is the visit to the site, internal or shared trips, and pass-by trips. New Trips are those that are new to the study area and consist of motorists whose primary destination is the restaurant.

A development that contains multiple uses, such as this one, can be expected to have some internal trip sharing. Since this restaurant is part of the Livingston Commons Shopping Center which includes several banks, restaurants, a Wal-Mart Supercenter, a Lowe's, etc., it is expected that some internal trip sharing occurs between uses. A shared trip is one that visits more than one use on the site and thus lessens the overall impact of a multiple use site on the adjacent street system. An internal trip factor of 20% was applied to the site based on ITE's *Trip Generation Handbook*.

Pass-by trips are typically associated with retail uses, as well as gas stations and restaurants. Pass-by trips are compr<u>i</u>sed of vehicles already traveling on the adjacent roads, which divert



from their original path of travel to visit the development. The ultimate destination of a pass-by trip is directed elsewhere. Pass-by trips were also applied to the existing restaurant use on the site. The pass-by rates were based on ITE's *Trip Generation Handbook*. Based on information provided, a pass-by rate of 43 percent was applied to the restaurant. As a result, the existing restaurant is estimated to generate a total of 30 trips during the during the afternoon peak hour.

Land Use	In	Out	Total
Bennigan's Restaurant	39	26	65
Less Internal Capture (20%)	-8	-5	-13
Net Trips	31	21	52
Less Pass-by Trips (43%)	-13	-9	-22
New Trips	18	12	30

Table 1 Existing Bennigan's Weekday PM Peak Hour Trip Generation Estimate

Proposed Trip Generation

Trip estimates were then developed for the proposed redevelopment of the property to 11,903 square feet of retail and restaurant uses. The redevelopment project is proposed to consist of a 4,300 square foot bread/donut/bagel restaurant with a drive-thru facility, two 2,200 square foot fast-food restaurants without drive-through facilities, and 3,203 square feet of specialty retail uses such as an apparel store, real estate office, cell phone store, florist, mattress store, etc.

Trip estimates were developed for the proposed uses based upon information provided in ITE's *Trip Generation* and *Trip Generation Handbook*. Trips generated for the specialty retail were based on the Specialty Retail land use, Land Use Code 826. The trip generation potential for the bread/donut/bagel restaurant was developed based on the Bread/Donut/Bagel Shop with Drive Through, Land Use Code 940. Trip generation estimates were developed for the two fast-food restaurants based on Land Use Code 933, Fast-Food Restaurant without Drive-Through. None of the proposed uses are expected to be open during the morning peak hour except for the bread/donut/bagel restaurant.

Traffic for the proposed redevelopment will consist of both new trips, whose sole purpose is the visit to the site, internal or shared trips, and pass-by trips. New trips are those that are new to the study area and consist of motorists whose primary destination is the proposed project.

An area that contains multiple uses, such as this one, can be expected to have some internal trip sharing. A shared trip is one that visits more than one use on the site and thus lessens the overall impact of a multiple use site on the adjacent street system. Since this development is part of the Livingston Commons Shopping Center which includes banks, restaurants, a Wal-Mart Supercenter, a Lowe's, etc., it is expected that some internal trip sharing will occur between uses. It is expected that the number of trips generated by these uses will be reduced due to their interaction between the other uses in the development. An internal trip factor of 20% was applied to the site based on ITE's *Trip Generation Handbook*. This is the same factor that was applied to



the existing Bennigan's restaurant. This factor was only applied to the afternoon peak hour trip estimates, and not the morning peak hour estimates for the bread/donut/bagel restaurant.

Pass-by trips involve motorists who are diverted off of the adjacent street system to visit this development. A portion of the trips generated by the redevelopment were assumed to be pass-by trips. These trips divert from existing travel paths to stop at the site and then resume the original trip path. Thus additional trips are not added to the area road system by these pass-by trips. Surveys conducted by ITE have shown that many trips made to grocery stores, restaurants, and shopping areas are diverted from the existing traffic on the roadway system. This is particularly true during the weekday morning and evening peak hours when traffic is diverted from the home-to-work and work-to-home trips. Pass-by rates were based on information provided in ITE's *Trip Generation Handbook*. A pass-by rate of 43% was used for the fast-food restaurants and a rate of 49% was used for the bread/donut/bagel shop restaurant during both the morning and afternoon peak hours. No pass-by was considered for the specialty retail portion of the redevelopment.

The weekday morning peak hour trip generation estimates are shown in Table 2 and the weekday afternoon peak hour trip generation estimates are provided in Table 3.

Land Use	In	Out	Total
Bread/Donut/Bagel Restaurant	83	83	166
Less Pass-by Trips (49%)	-41	-41	-82
New Trips	42	42	84

Table 2 Proposed Weekday AM Peak Hour Trip Generation Estimate

Land Use	LUC	Size		otal ips		rnal ips	Net 7	Гrips		s-by ips		ew ips
		(SF)	In	Out	In	Out	In	Out	In	Out	In	Out
Bread/Donut/Bagel Restaurant w/Drive-Thru	940	4,300	40	42	8	8	32	34	16	16	16	18
Fast-Food Restaurant (No Drive-Thru)	933	2,200	30	28	6	6	24	22	10	10	14	12
Fast-Food Restaurant (No Drive-Thru)	933	2,200	30	28	6	6	24	22	10	10	14	12
Spec. Retail	826	3,203	13	16	3	3	10	13	0	0	10	13
Total				114	23	23	90	91	36	36	54	55

 Table 3 Proposed Weekday PM Peak Hour Trip Generation Estimates

No access changes to the overall shopping center are proposed with the redevelopment of the restaurant lot. The existing accesses for the Livingston Commons Shopping Center are to be used to access these new land uses. There are currently two accesses to Grand River Avenue, one of which is signalized, and three accesses to Latson Road, two full movement accesses and one right in/right out only access.



Table 4 shows the difference in overall trips estimated between the existing restaurant and the proposed redevelopment project based on detailed land uses.

	AM PEAK HOUR				PM PEAK HOUR							
Scenario	Net 7	Гrips		s-by ips		ew ips	Net 7	Гrips	Pass Tri	•	New 1	Гrips
	In	Out	In	Out	In	Out	In	Out	In	Out	In	Out
Existing Restaurant	0	0	0	0	0	0	31	21	13	9	18	12
Proposed Redevelopment	83	83 83		41	42	42	90	91	36	36	54	55
Difference	+83	+83	+41	+41	+42	+42	+59	+70	+23	+27	+36	+43

Table 4 Trip Generation Difference

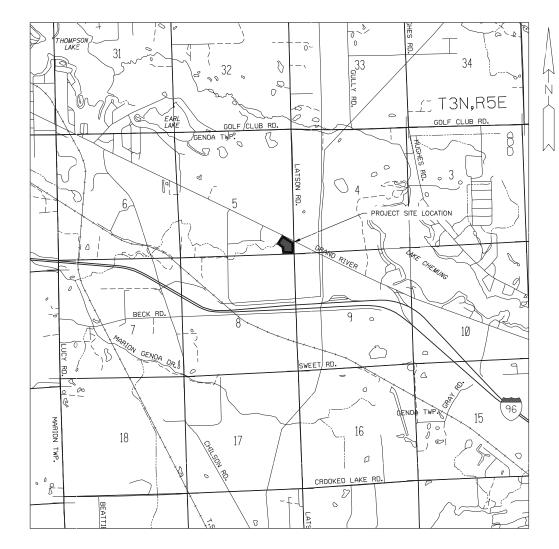
As expected, the proposed development will generate more trips than the existing restaurant use during both the morning and afternoon peak hours. However, the net trip difference is less than 100 directional trips under both peak hours and the actual new trip difference is less than 50 directional trips under both peak hours.

The largest difference in trips between the two occurs during the morning peak hour. This is due to the existing Bennigan's restaurant not being open for breakfast. However, the existing restaurant use approved for this site likely doesn't restrict a restaurant from being open during the morning peak hour. In fact, if it was open, this same size restaurant would generate 72 net trips and 31 new trips, after pass-by traffic is accounted, for with 17 inbound and 14 outbound trips, thus lessening the morning peak hour trip difference. In addition, morning peak hour traffic volumes for this shopping center are lighter than during the weekday afternoon peak hour. Both the Lowe's and Wal-Mart Supercenter generate fewer trips during the morning peak hour than during the afternoon peak hour. In addition, the fast-food restaurants and banks that are part of this shopping center are not open during the morning peak hour. Therefore, it is expected that the additional trips generated by the bread/donut/bagel restaurant during the morning peak hour can be accommodated by the existing driveways for the shopping center as there are less overall trips from the shopping center during this same time period.

Please feel free to contact us at any time if you have questions regarding the information provided in this memorandum or if you need any additional information.



SITE PLANS FOR LIVINGSTON COMMONS, LOT 4 **GENOA TOWNSHIP** LIVINGSTON COUNTY, MICHIGAN



U	TILITY CONTACTS
GAS	CONSUMER'S ENERGY 101 S. WASHINGTON SQUARE HOWELL, MI 48843 (517) 545–8722
TELEPHONE	(800) <u>AT&T</u> (800) 464–7929
ELECTRIC	DETROIT EDISON 101 S. WASHINGTON SQUARE LANSING. MI 48933 (517) 485–1939
TRANSPORTATION	MDOT MARK SWEENEY 10321 E. GRAND RIVER, SUITE 500 BRIGHTON, MI 45116 (810) 227-4681
TRANSPORTATION (LATSON RD.)	LIVINGSTON COUNTY ROAD COMMISSION 3535 GRAND DAKS DRIVE HOWELL, MI 48843 (517) 546-4250
WATER SERVICE	M.H.O.G WATER AUTHORITY GREG TATARA 2911 DORR ROAD BRIGHTON, MI 49116 (810) 227-5225
SANITARY SEWER	M.H.O.G. WATER AUTHORITY GREG TATARA 2911 DORR R040 BRIGHTON, MI 49116 (810) 227-5225
STORM SEWER	LIVINGSTON COUNTY DRAIN COMMISSIONER 2300 E GRND RIVER AVE, SUITE 105 HOWELL, MI 48843 (517) 546-0040
SOIL EROSION	LIVINGSTON COUNTY DRAIN COMMISSIONER 2300 E GRND RIVER AVE, SUITE 105 HOWELL, MI 48843 (517) 546-0040
PLANNING & ZONING	<u>GENONA TOWNSHIP</u> 2911 DORR ROAD BRIGHTON, MI 48116 (810) 227-5225

LEGAL DESCRIPTION: (ALSO SEE SHEET C-0.1)

LOT 4 4711-05-400-047

PARCEL OR LAND SITUATED IN THE TOWNSHIP OF GENOA, COUNTY OF LIVINGSTON, STATE OF MICHIGAN DESCRIBED AS FOLLOWS:

MINITHINH DESCRIED AS FOLLOWS: (C AT THE SOUTHEAST CORTER OF SECTION 5. TOWN 2. NORTH: RANGE 5 EAST; UTH 87 DECREES 37 MINITES 12 SECONDS WEST ALONG THE SOUTH LINE OF NOR 60.02 FET TO THE WESTERY RORTH OF WAY LINE, O'LATSON ROAD; THENCE DECREES 54 MINUTES 40 SECONDS WEST, ALONG SAD RIGHT OF WAY LINE, TO TO THE POINT OF BEGINNING, THENCE SOUTH 88 DECREES 27 MINUTES 00 TEST, 21.308 FEET; THENCE NORTH 01 DECREES 33 MINUTES 24 SECONDS WEST, 100.200, FELT, SECONDS 25, 27 MINUTES 31 SECONDS, 40 DISTARTS OF 11.1.9 DECREES 59 MINUTES 40 SECONDS EXST, 26.08 FEET TO A POINT ON THE RIGHT OF WAY LINE OF GRAND RIVER ROAD; THENCE SOUTH 63 DECREES 57 'SECONDS EAST, ALONG SAD RIGHT OF WAY LINE, 21.3506 FEET TO A POINT ON THE RIGHT OF WAY LINE OF GRAND RIVER ROAD; THENCE SOUTH 63 DECREES 57 'SECONDS EAST, ALONG SAD RIGHT OF WAY LINE, 21.75 FEET; THENCE SOUTH 0A POINT ON THE RIGHT OF WAY LINE OF GRAND RIVER ROAD; THENCE SOUTH 63 DECREES 57 SECONDS EAST, ALONG SAD RIGHT OF WAY LINE, 270.73 FEET TO 0 FWICH THE 45 SECONDS EAST, 21.17 FEET; THENCE SOUTH 0A POINT ON THE RIGHT OF WAY LINE OF GRAND RIVER MAY LINE, 21.75 FEET; THENCE SOUTH 00 THE RIGHT OF WAY LINE OF SECONDS EAST, 21.17 FEET; THENCE SOUTH 00 THE RIGHT OF WAY LINE OF SEAST, ALONG SAD RIGHT OR WAY LINE, 270.73 FEET TO 0 F BEGINNINGS

SAID PARCEL CONTAINS 2.03 ACRES, MORE OR LESS.

THE ABOVE LEGAL DESCRIPTION DOES NOT CONSIDER LAND DEEDED TO THE MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) IN 2012, DEED DOCUMENT #2012R-030745

MDOT STANDARD PLANS WHERE INDICATED ON THE PLANS, ITEMS ARE TO BE CONSTRUCTED ACCORDING TO THE STANDARDS REFERENCED, UNLESS OTHER NOTED. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A CURRENT COPY OF THE MODT STANDARD PLANS.

GENOA TOWNSHIP STANDARD PLANS WHERE INDICATED ON THE PLANS, ITEMS ARE TO BE CONSTRUCTED ACCORDING TO THE STANDARDS REFERENCED, UNLESS OTHER NOTED. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A CURRENT COPY OF THE GENOA TOWNSHIP STANDARD PLANS.

LIVINGSTON COUNTY STANDARD PLANS WHERE INDICATED ON THE PLANS, ITEMS ARE TO BE CONSTRUCTED ACCORDING TO THE STANDARDS REFERENCED, UNLESS OTHER NOTED. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A CURRENT COPY OF THE LUNIOSTON COUNTY STANDARD PLANS.

VICINITY MAP 1"=2000' HOWELL, T3N, R5E, SECTION 5

PROJECT SITE ADDRESS 3950 E GRAND RIVER AVE. HOWELL, MICHIGAN 48843

GENOA TOWNSHIP ZONING DISTRICT -RESIDENTIAL PLANNED UNIT DEVEL

SITE DEVEL JIM BLAIR RG PROPERTIES, IN 10050 INNOVATION DR. S DAYTON, OH 4534

(937) 424-390-jblair@rgproperties.

ARCHITEC STANFORD R. JOSEPH 9900 CARVER RO CINCINNATI, OH 45 (513) 984-600 mamajo100@aol.c

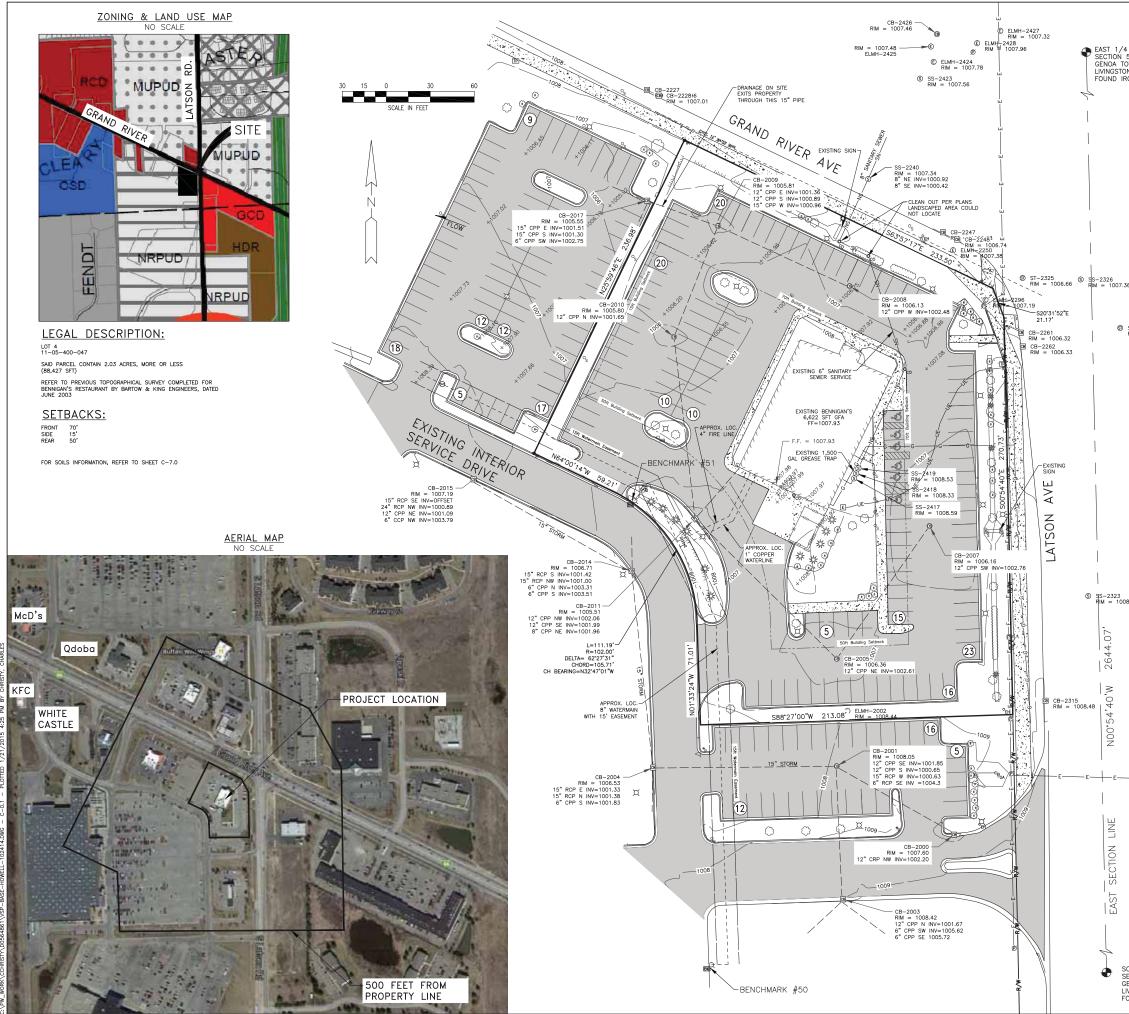
SITE ENGINEER-WADE TRIM CHARLES J. CHRIST 555 S. SAGINAW STREET, FLINT, MI 4850 (810) 235-25 cchristy@wadetrim

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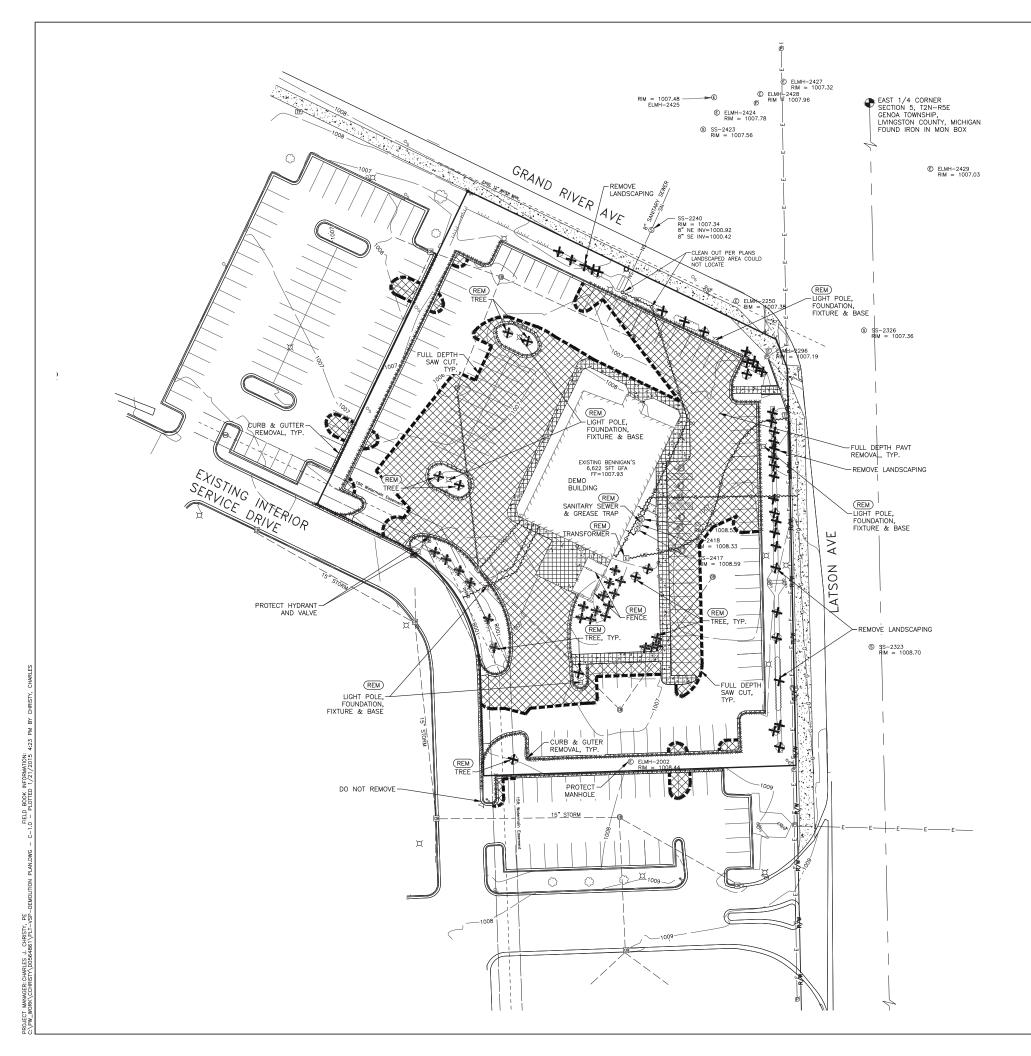


Call before you dig.

	PROJECT LOC LIVINGSTON C	CATION: DOUNTY, MI-		
SHE	ET INDEX	SUFET		
GENERAL SHEETS		SHEET NO.		
COVER SHEET		C-0.0		
EXISTING CONDITIONS SURV	EY	C-0.1		
DEMOLITION PLAN		C-1.0 C-2.0		
SITE PLAN SITE DETAILS		C-2.0 C-2.1		
SITE DETAILS		C-2.1		
SITE DETAILS		C-2.3		
UTILITY PLAN		C-3.0		
WATER DETAILS		C-3.1		
SANITARY DETAILS		C-3.2		
SANITARY DETAILS		C-3.3		
STORM & MISCELLANEOUS	UTILITY DETAILS	C-3.4		
GRADING PLAN DRAINAGE MAP		C-4.0 C-4.1		
LANDSCAPE PLAN		C-5.0		
LANDSCAPE DETAILS		C-5.1		
SITE LIGHTING PLAN		C-6.0		
SITE LIGHTING DETAILS		C-6.1		
SESC & SWPPP NOTES		C-7.0		
SESC & SWPP PLAN - PH SESC & SWPP PLAN - PH		C-7.1 C-7.2		
SESC & SWPP DETAILS		C-7.3		
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PH, AIA OAD				4, G
5242 00	WADETRI	M		
com	555 South Saginaw Street, Suite 201 Flint, MI 48502			2
-SURVEYOR	810.235.2555/800.841.0342 FAX: 810.235.4975			JNS,
4	www.wadetrim.com		Building relationships on a foundation of excellence	MMC
STY, PE T, SUITE 201	PREPARED	UNDER THE	SUPERVISION OF:	8
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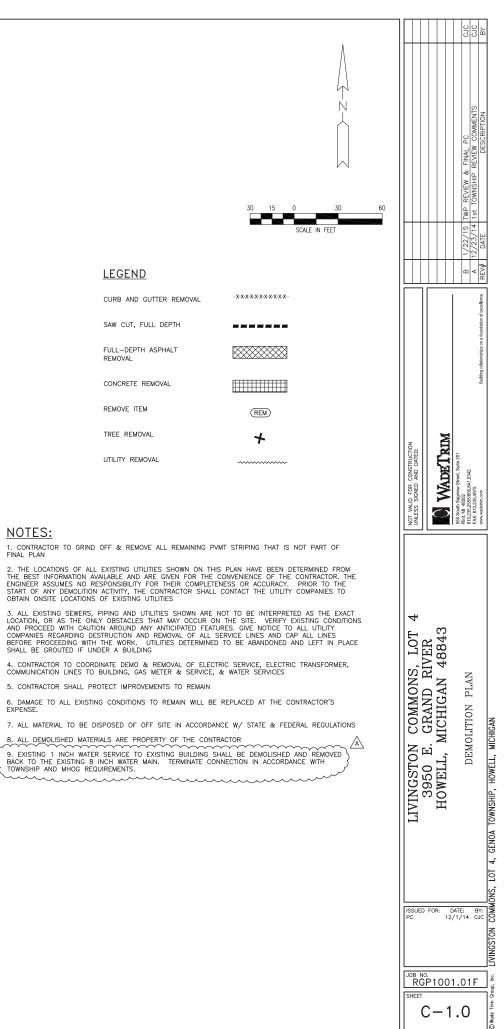


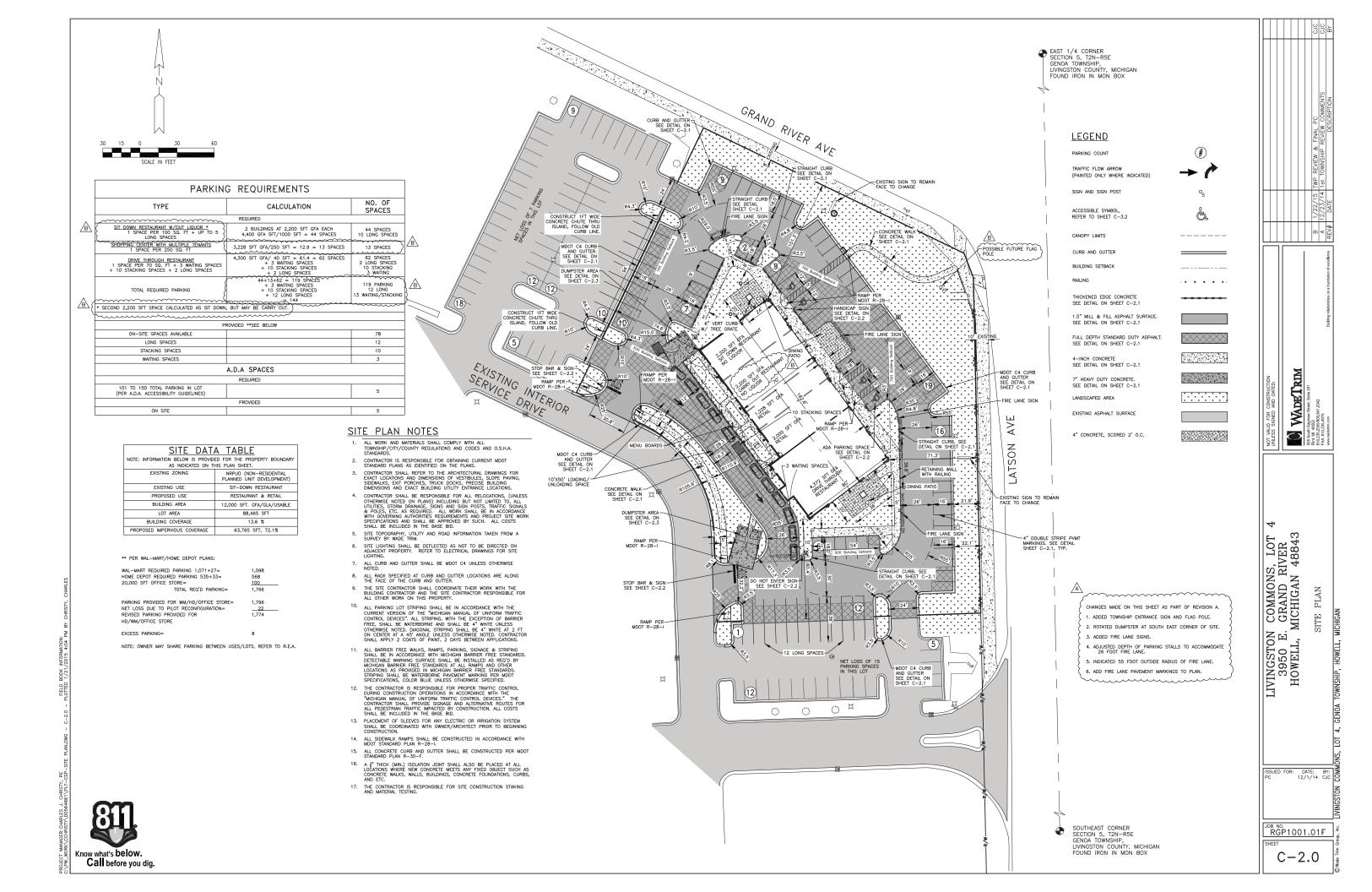
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N 5, T2N-R5E TOWNSHIP,	UTILITY POLE	Ø			
STON COUNTY, MICHIGAN I IRON IN MON BOX	GUY ANCHOR	O _{GP}			
	ELECTRIC HANDHOLE	° _{нн}			SIN
	ELECTRIC OUTLET	A			AL PC EW COMMENTS DFSCRIPTION
ELMH-2429 RIM = 1007.03	ELECTRIC MANHOLE	¢			
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ST-2327 RIM = 1007.30	DECIDUOUS BUSH	٢			hips on a
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	BUILDING LINE				
	FENCE	<u> </u>			
	WALL			×	
	PARKING STRIPE		NOILCI		-
	BACK OF CURB		CONSTRUCTION AND DATED:	E	555 South Saginaw Street, Suite 201 Fint, Mi 48602 810.235.2555(800.841.0342 FAX: 810.235.4975 www.wadetrin.com
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	GUTTER		T VALID FOR	N N	ginaw S)2 /800.84 /875 com
	TOP OF BANK		VALID SS SI	-	555 South Sagin Tint, MI 48502 310,235,2555/80 5AX: 810,235,49 www.wadetrim.com
	EDGE OF LANDSCAPE		UNLE	\square	555 Si Flint, N 810.23 FAX: 8 www.w
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BENCHMARKS:					
BM #50 - 1010.89 ARROW ON TOP OF HYDRAN	I LOCATED ON THE SOUTHWEST QUADRANT	OF THE WAL-MART DRIVE		ZG	NO
AND ENTRANCE DRIVE ±500 AVE, ±270 WESTERLY OF LA	SOUTH OF THE INTERSECTION OF GRAND	RIVER AVE AND LATSON		ŞΗ	ITI
BM #51 - 1010.77 ARROW ON TOP OF HYDRANI	I LOCATED AT THE EASTERLY SIDE OF THE	WAL-MART SERVICE DRIVE	125	38	CONDITIONS
SURVEY NOTES				_ Z	
1. BEARING ARE BASED OF	N ALTA SURVEY BY BARTOW & KING ENGIN	EERS DATED JUNE 2003.	j5'	ы́ Г	EXISTING
 HORIZONTAL – NAD83 VERTICAL – NAVD88 (C 	(2011) MICHIGAN STATE PLANE COORDINAT ORS) GPS DERIVED	ES SOUTH ZONE (2113)	[[2]	2년	III:
			0	OWEL	XIS
——— Е——— Е———			VINGSTON	Ξ	되
UTILITY NOTE: THE UNDERGROUND UTILITIES	SHOWN HAVE BEEN LOCATED FROM FIELD	SURVEY INFORMATION			
AND EXISTING DRAWINGS. TH UTILITIES SHOWN COMPRISE	SHOWN HAVE BEEN LOCATED FROM FIELD E SURVEYOR MAKES NO GUARANTEES THAT ALL SUCH UTILITIES IN THE AREA, EITHER FORTHER DOES NOT WARRANT THE UNDEI OCATION INDICATED ALTHOUGH THE SURV OCUMUNE OF DOEDULE FORM INFORM	THE UNDERGROUND IN-SERVICE OR			
ABANDONED, THE SURVEYOR SHOWN ARE IN THE EXACT L THAT THEY ARE LOCATED AS	FURTHER DOES NOT WARRANT THE UNDED OCATION INDICATED ALTHOUGH THE SURV ACCURATELY AS POSSIBLE FROM INFORMA ALLY LOCATED THE UNDERGROUND UTILITIE:	YEROUND UTILITIES YEYOR DOES CERTIFY			
	ALLY LOCATED THE UNDERGROUND UTILITIE	3.			
CERTIFICATION					
WE, WADE-TRIM, INC., CERTIFY AND THAT THE DRAWING IS A 1	THAT WE PERFORMED THIS SURVEY ON OCTO TRUE AND ACCURATE REPRESENTATION THEREC	BER 20, 2014 F.			
Kristine N. Saia, PS#58654					
			ISSUED PC		ATE: BY: /1/14 CJC
				P100 <i>°</i>	1015
SOUTHEAST CORNER SECTION 5, T2N-R5E			SHEET	00	
GENOA TOWNSHIP, LIVINGSTON COUNTY, MICHIGA	AN		(C-C).1
FOUND IRON IN MON BOX			11 `	<u> </u>	

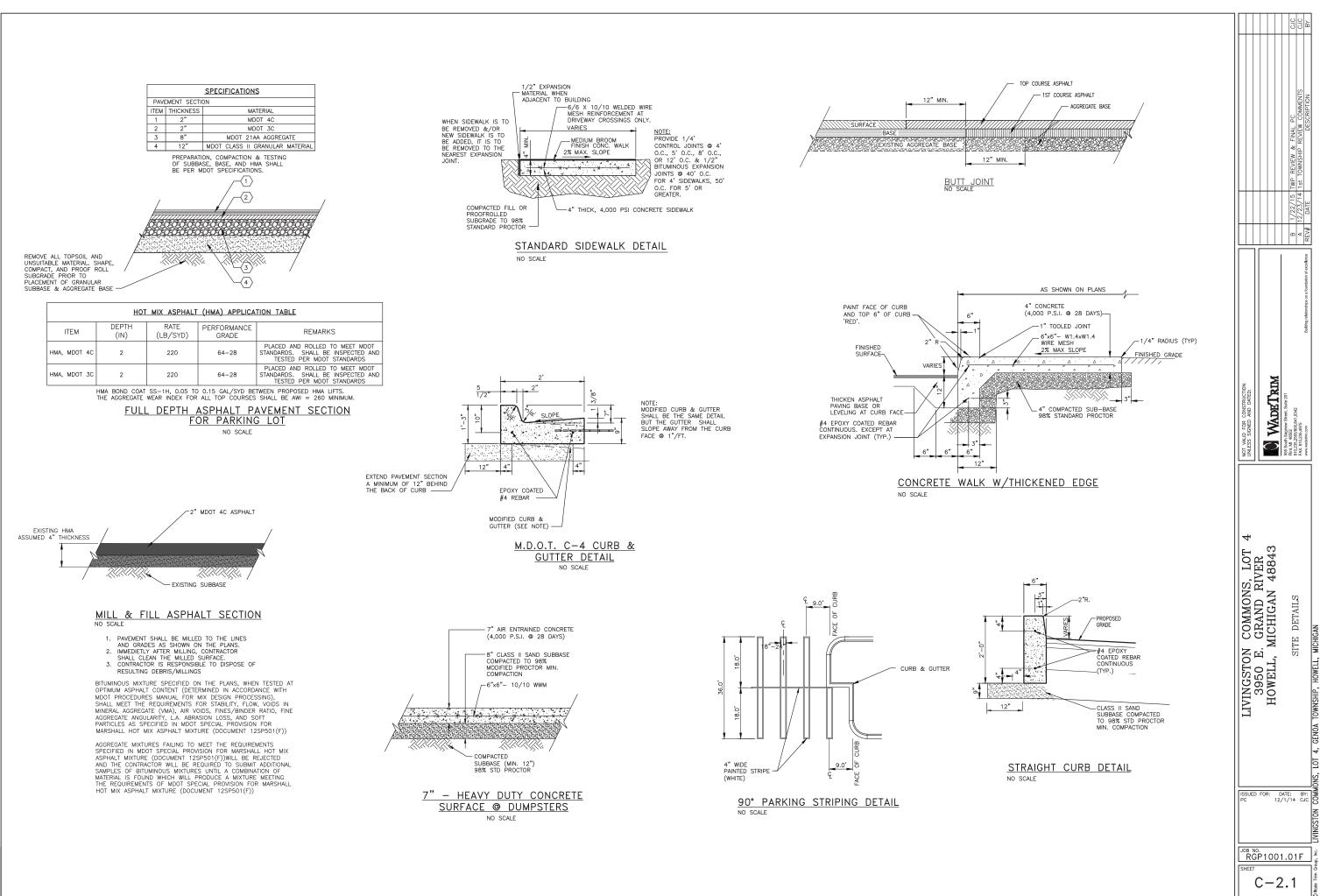


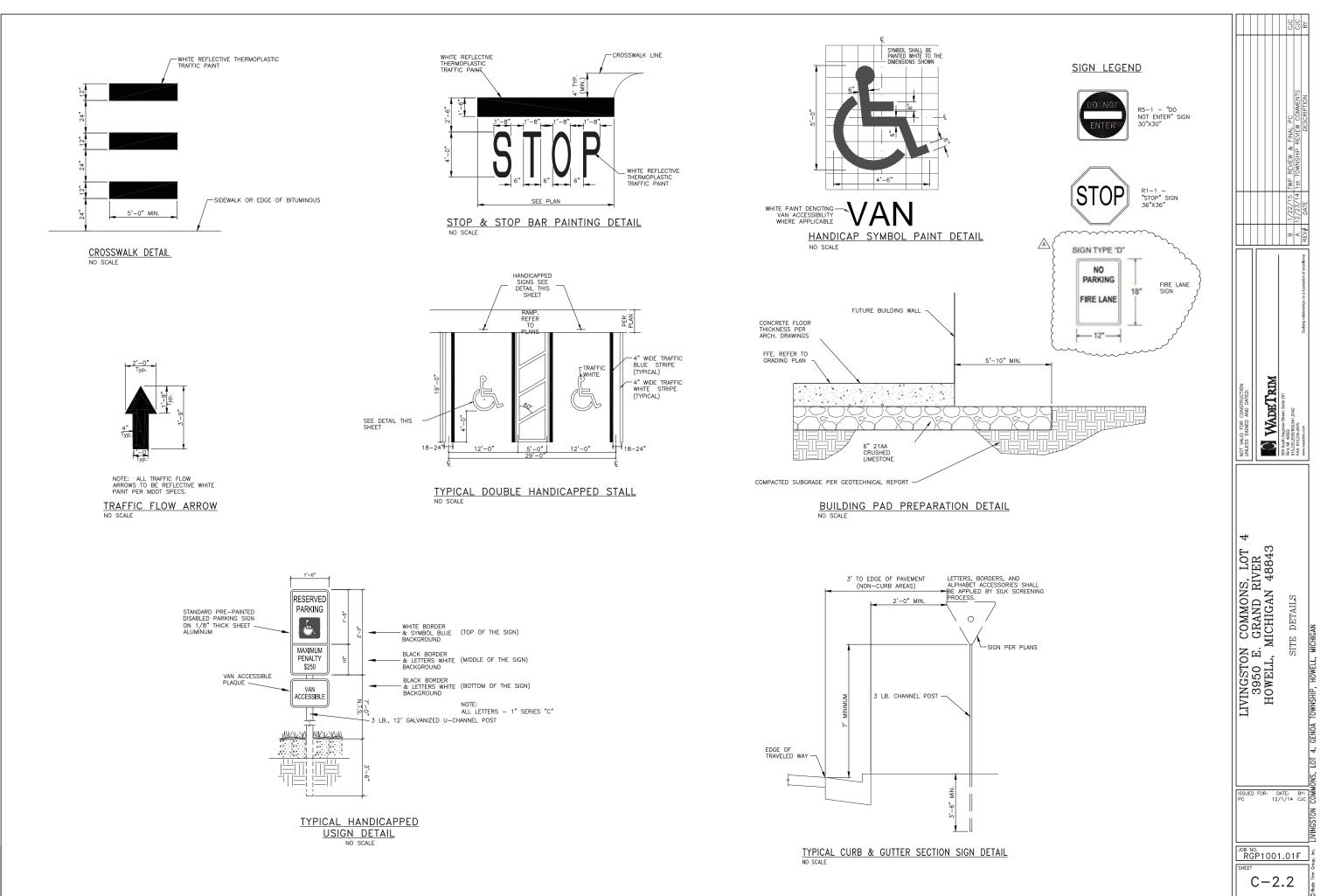
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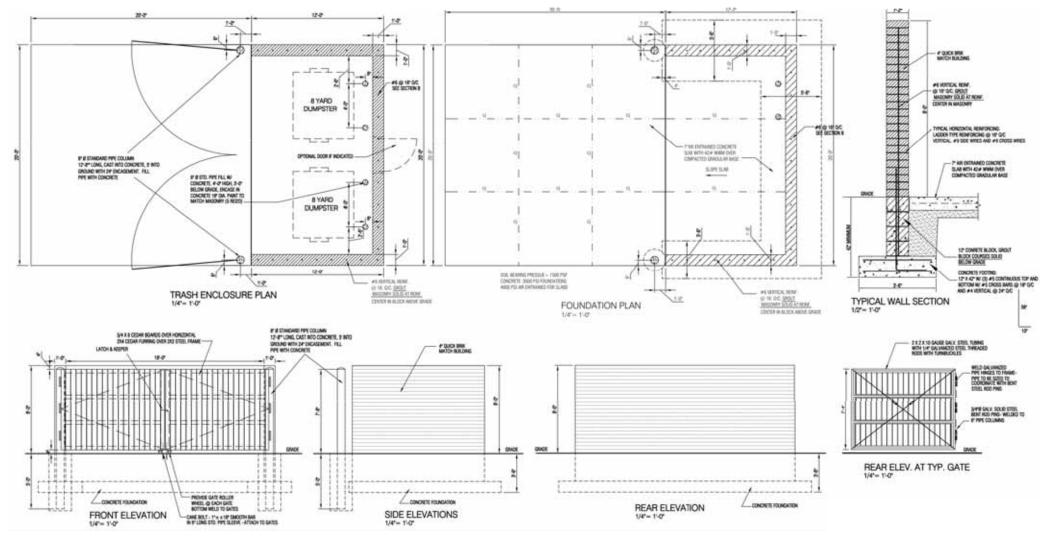
FINAL PLAN











DUMPSTER ENCLOSURE DETAILS



SANITARY SEWER								
	TYPE	LENGTH	BEGIN INV.	END INV.	SLOPE			
SSWR #1	6" PVC SCH 40	96	1000.91	1001.91	1.04%			
SSWR #2	6" PVC SCH 40	80	1002.21	1003.04	1.04%			

STORM SEWER								
	RIM ELEV.	INV	COVER					
CB #1	1007.27	1001.80	FLAT, RADIAL GRATE, EJIW #1040 Z / 1040 M3					
STM #1	STM #1 1006.43		FLAT, RADIAL GRATE, EJIW #1040 Z / 1040 M3					
IL #1	1008.18	1002.36	SOLID, TRAFFIC RATED					
IL #2	10067.31	1002.18	SOLID, TRAFFIC RATED					
IL #3	1006.64	1002.27	SOLID, TRAFFIC RATED					
IL #4	1007.39	1002.46	SOLID, TRAFFIC RATED					

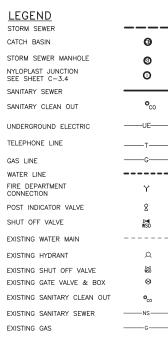
STORM PIPING										
	PIPE	FROM	TO	LENGTH	SLOPE	MATERIAL	SIZE			
	P-1	CB-2010	CB #1	72	0.21%	ADS-N12	12"			
	P-2	CB #1	CB-2011	90	0.21%	ADS-N12	12"			
	P-3	CB-2011	STM MH #1	16	0.50%	ADS-N12	12"			
	P-4	I.L #1	BLDG	22	1.00%	PVC	10"			
	P-5	I.L #2	I.L #1	35	0.50%	PVC	12"			
	P-6	I.L #2	BLDG	22	1.00%	PVC	10"			
	P-7	STM MH #1	I.L #2	22	0.50%	PVC	12"			
	P-8	STM MH #1	I.L #3	40	0.50%	PVC	12"			
	P-9	I.L #3	BLDG	22	1.00%	PVC	10"			
	P-10	I.L #3	I.L #4	38	0.50%	PVC	12"			
	P-11	I.L #4	BLDG	12	1.00%	PVC	10"			

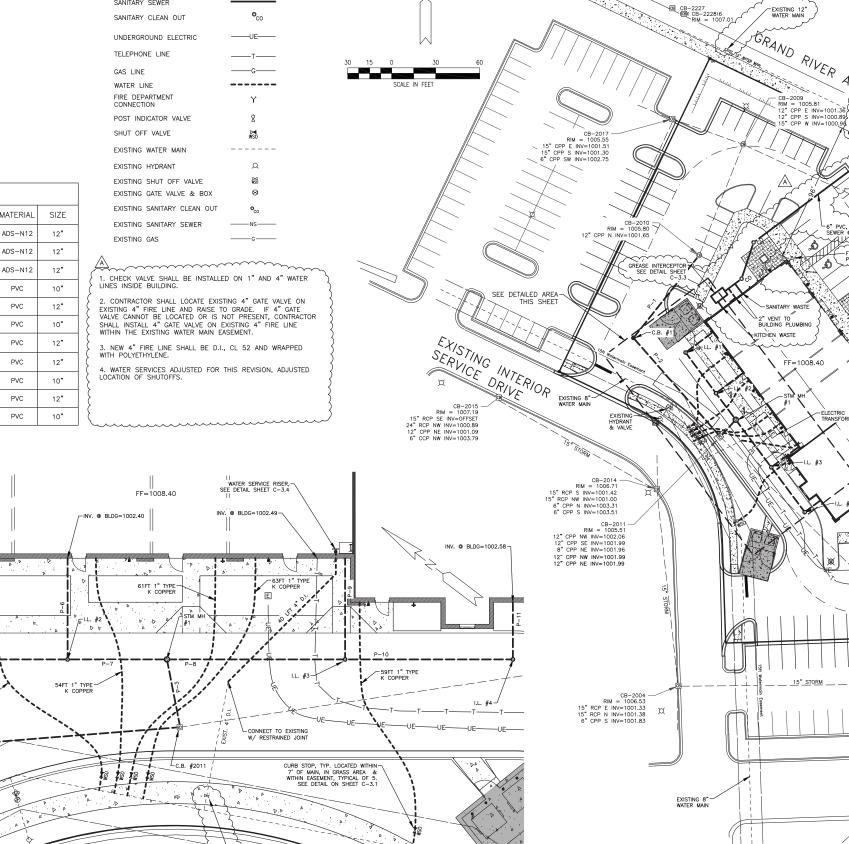
INV. @ BLDG=1002.58

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P-5

63FT 1" TYPE K COPPER





SEE NOTE #2, REV A.

DETAILED VIEW

SCALE: 1"=10'

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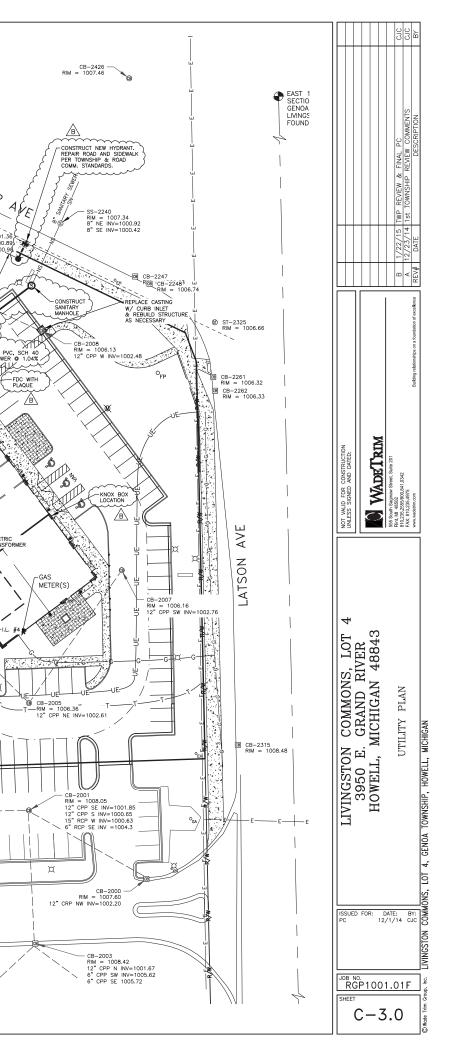
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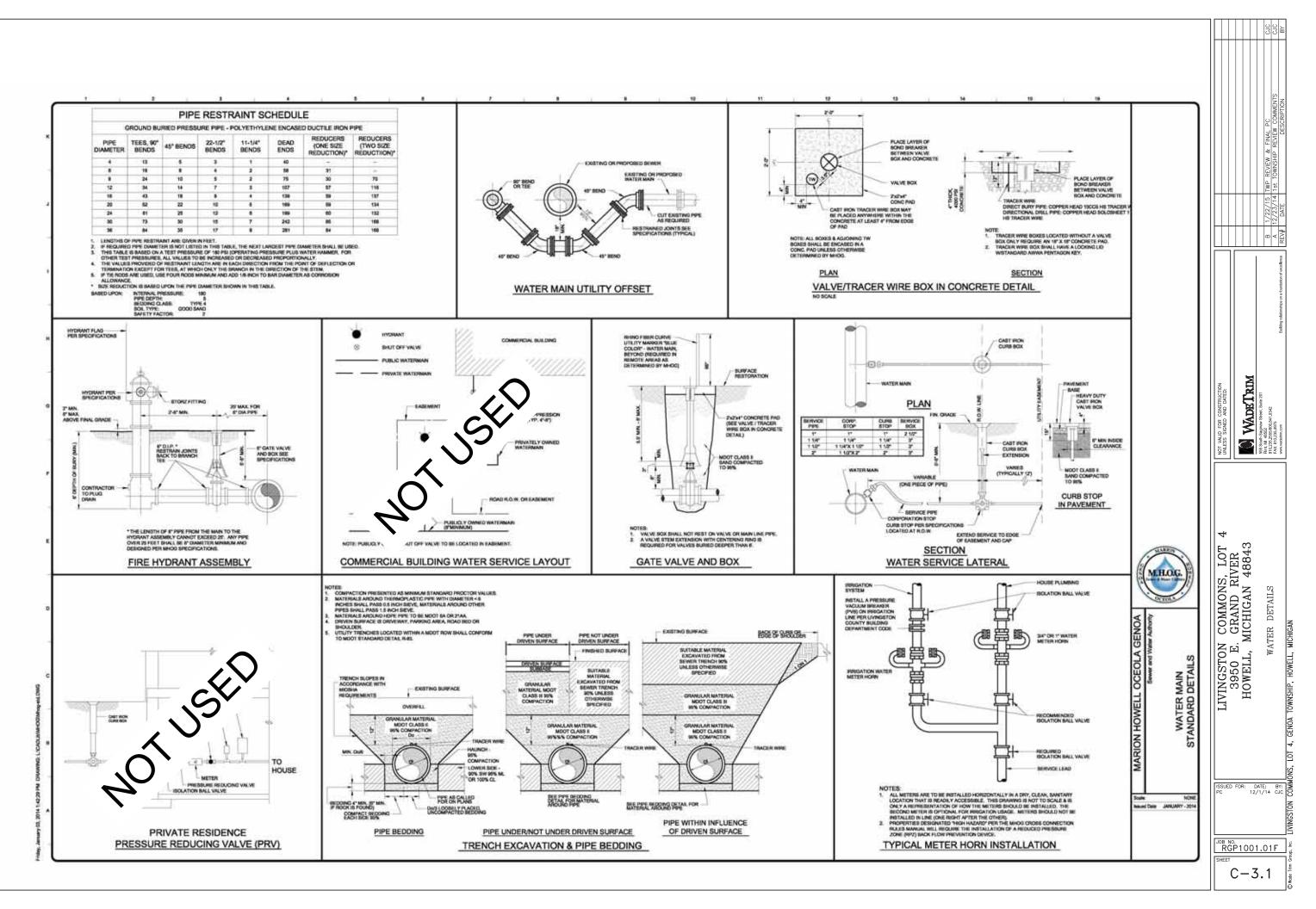
DOWNSPOUT CONNECTION SEE DETAIL ON SHEET C-3.4, TYP -

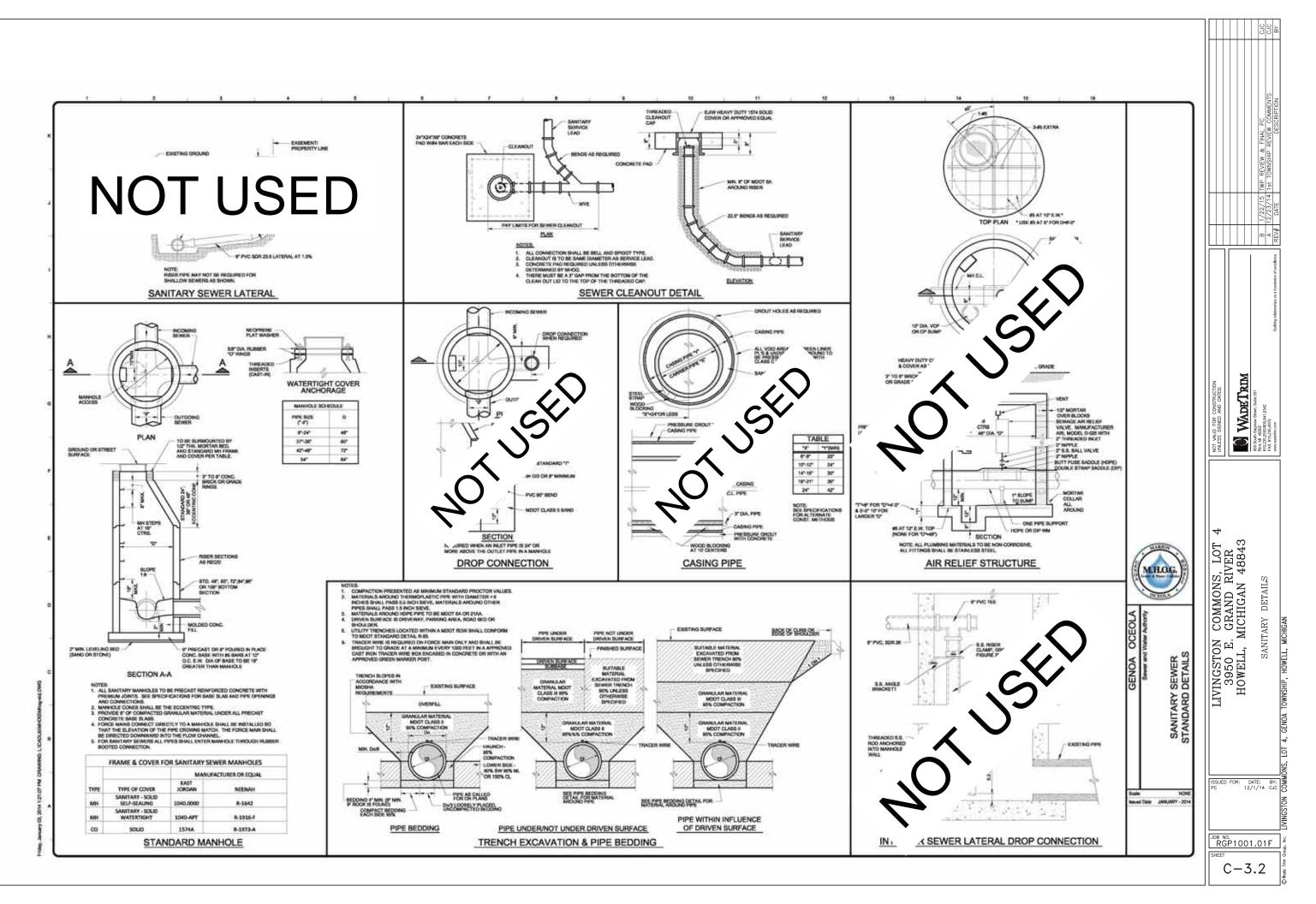
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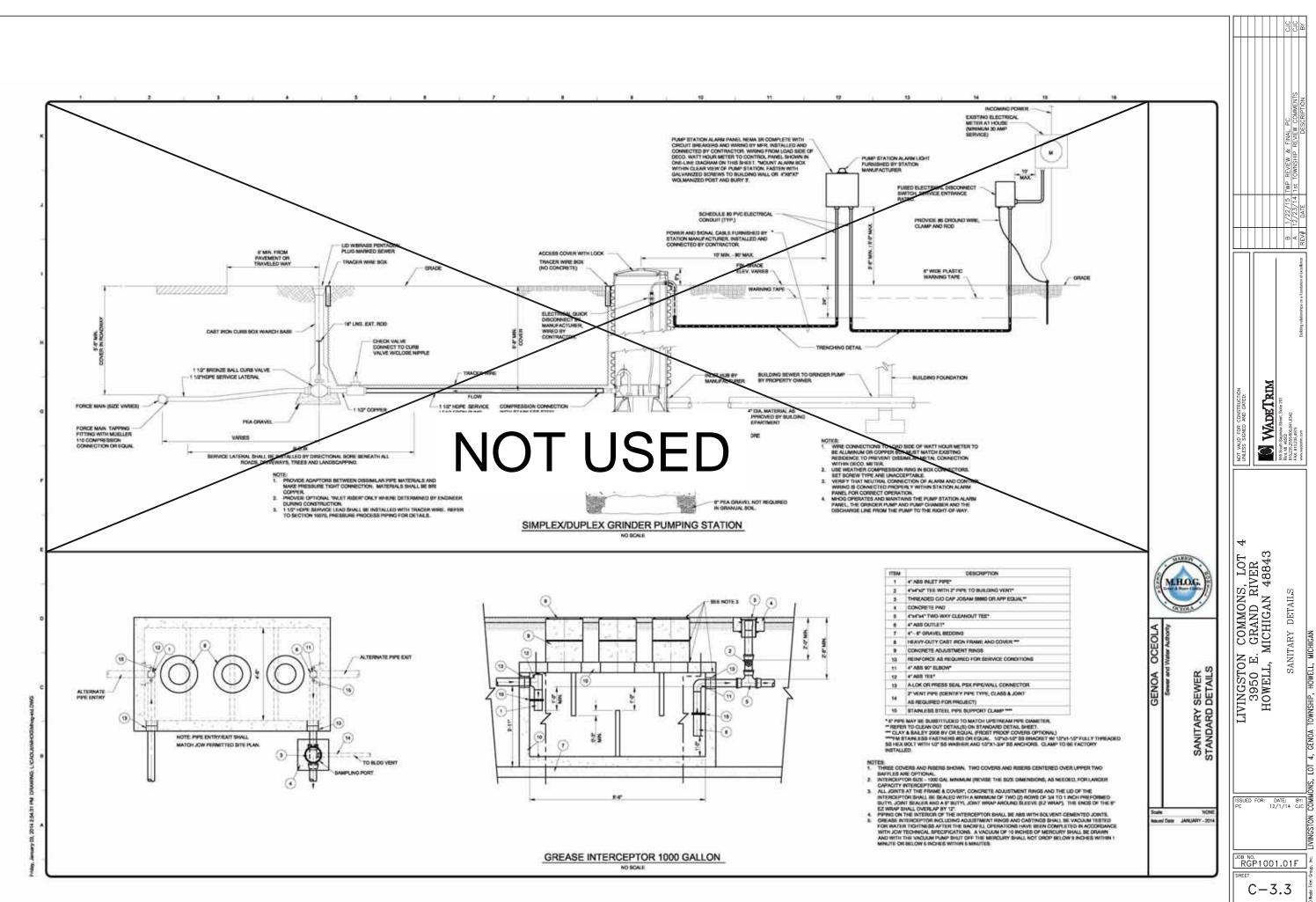
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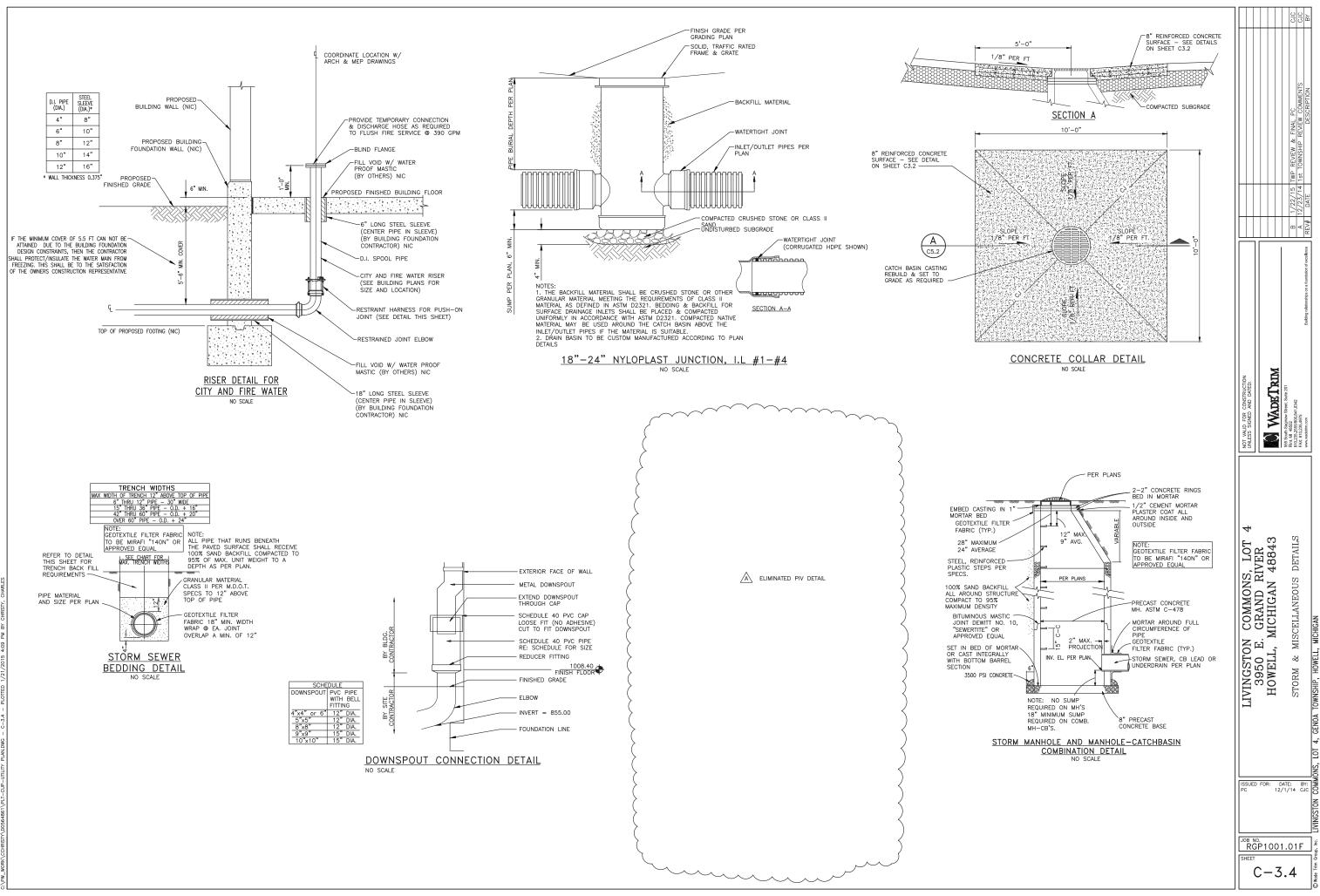
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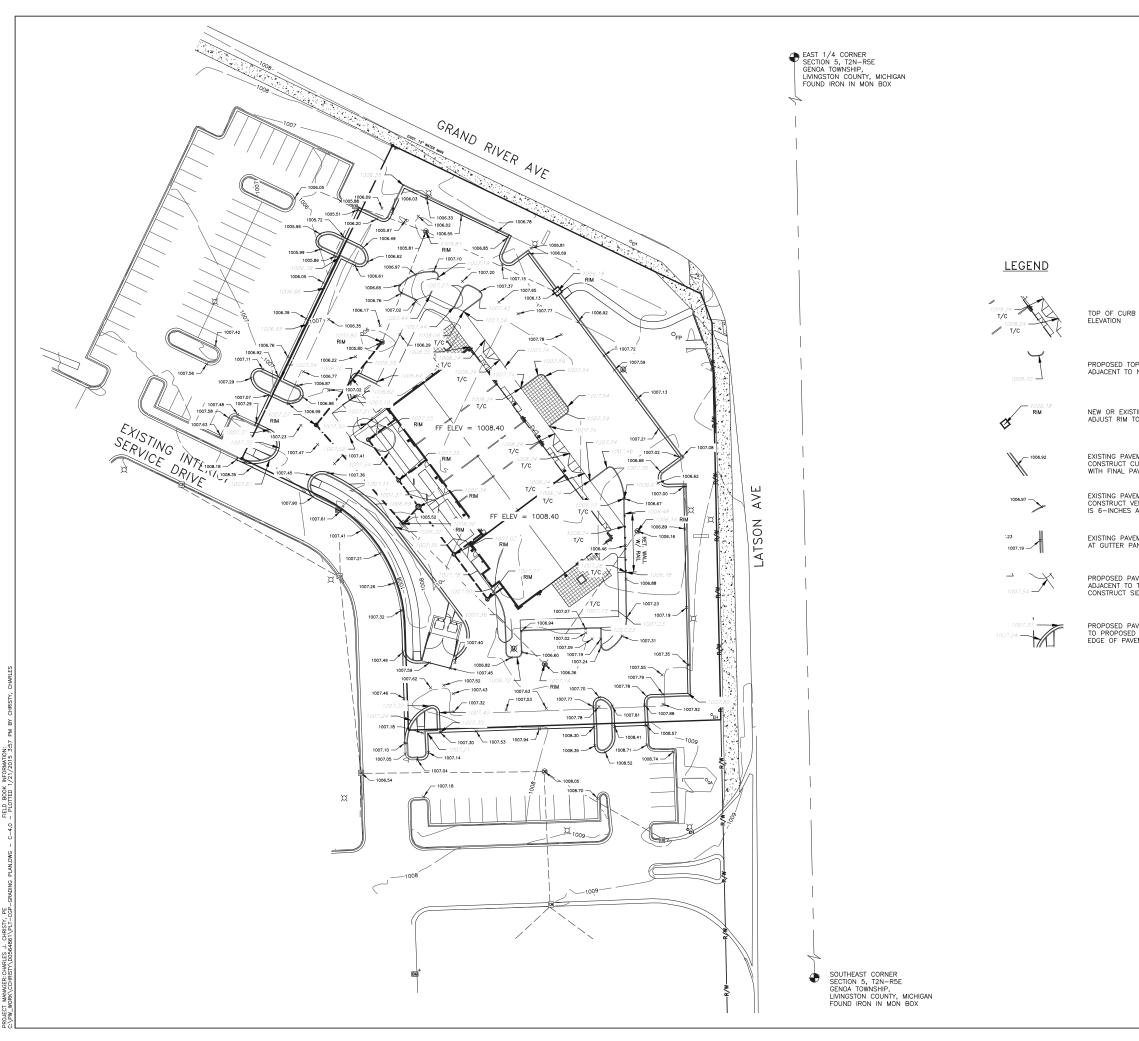


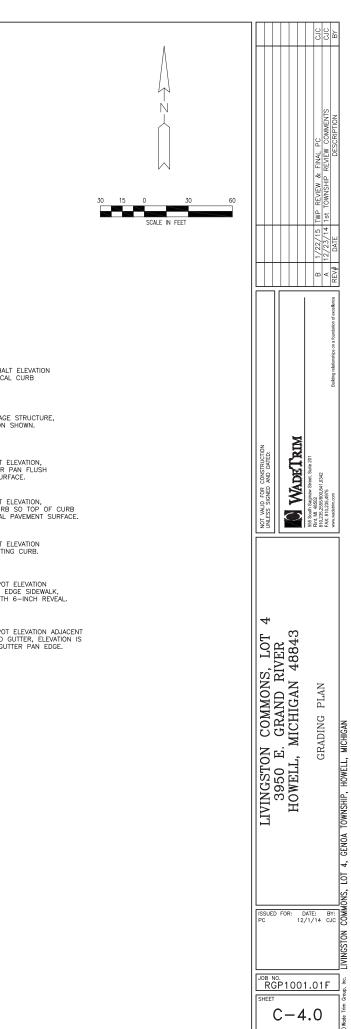






MANAGER: CHARLES J. CHRISTY, PE VORK\CCHRIST\D0564861\PLT-CUP-UTIUTY PUMI.DWG - C-3.4 - PLOTED 1/21/2015 4:09 PM BY CHF





PROPOSED TOP OF ASPHALT ELEVATION ADJACENT TO NEW VERTICAL CURB

NEW OR EXISTING DRAINAGE STRUCTURE, ADJUST RIM TO ELEVATION SHOWN.

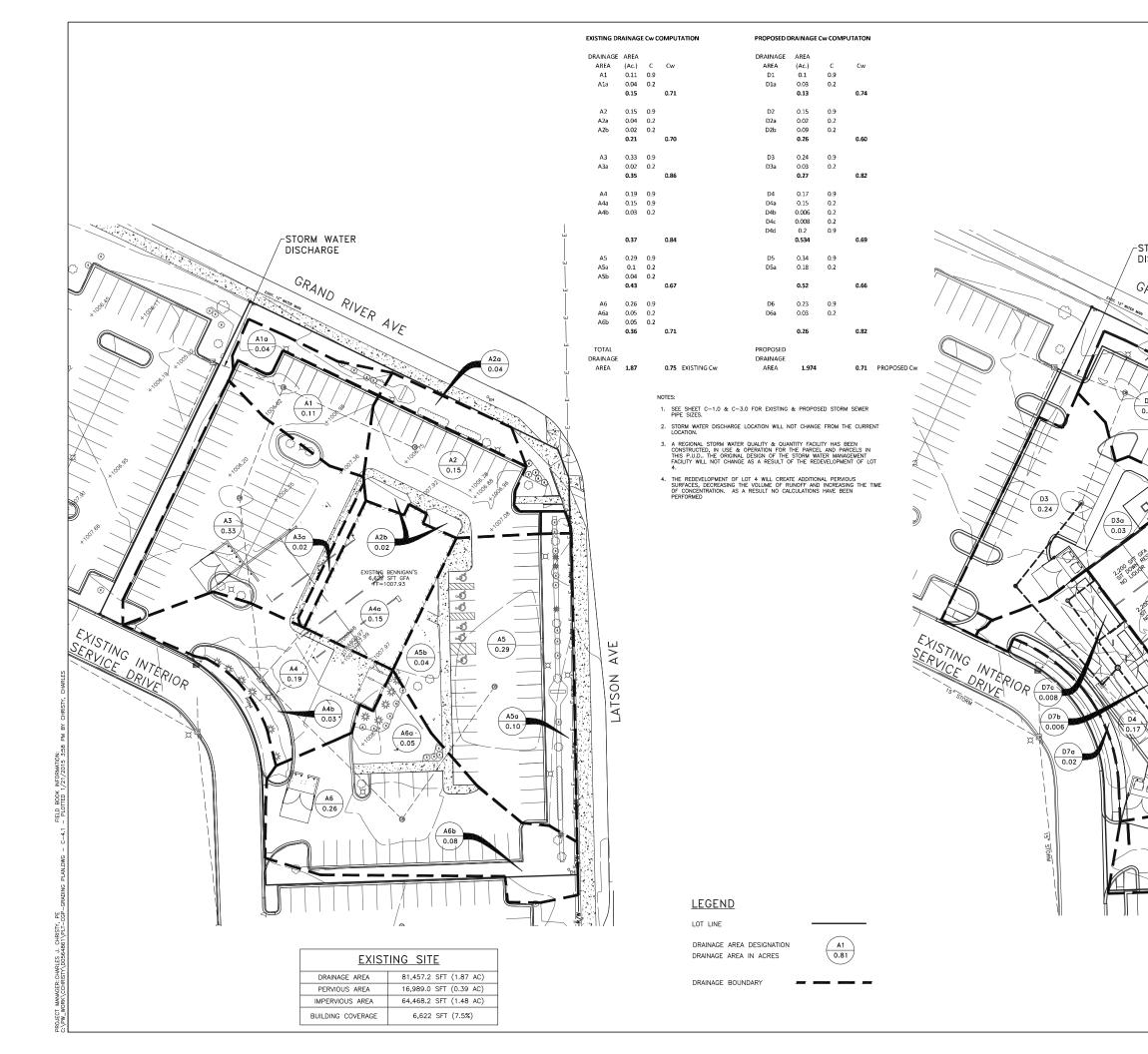
EXISTING PAVEMENT SPOT ELEVATION, CONSTRUCT CURB GUTTER PAN FLUSH WITH FINAL PAVEMENT SURFACE.

EXISTING PAVEMENT SPOT ELEVATION, CONSTRUCT VERTICAL CURB SO TOP OF CURB IS 6-INCHES ABOVE FINAL PAVEMENT SURFACE.

EXISTING PAVEMENT SPOT ELEVATION AT GUTTER PAN OF EXISTING CURB.

PROPOSED PAVEMENT SPOT ELEVATION ADJACENT TO THICKENED EDGE SIDEWALK, CONSTRUCT SIDEWALK WITH 6-INCH REVEAL.

PROPOSED PAVEMENT SPOT ELEVATION ADJACENT TO PROPOSED CURB AND GUTTER, ELEVATION IS EDGE OF PAVEMENT AT GUTTER PAN EDGE.



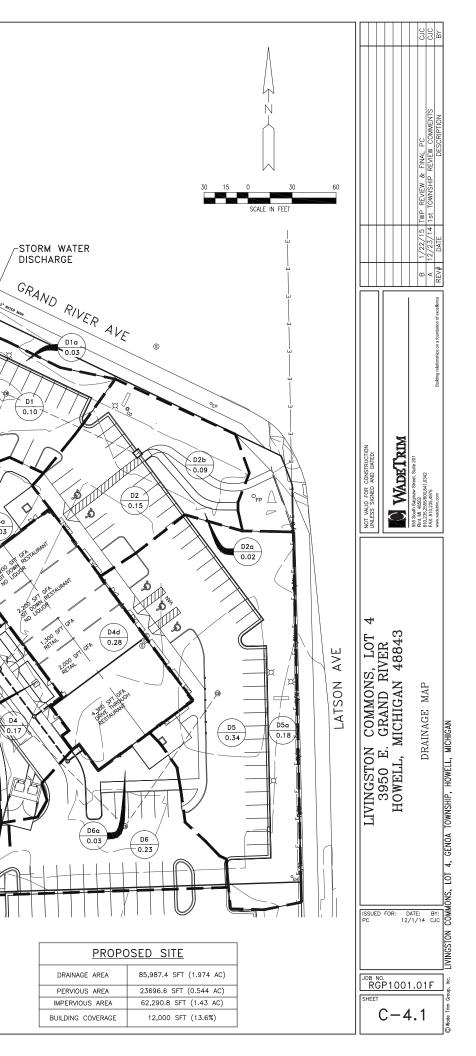
* WATER MAD

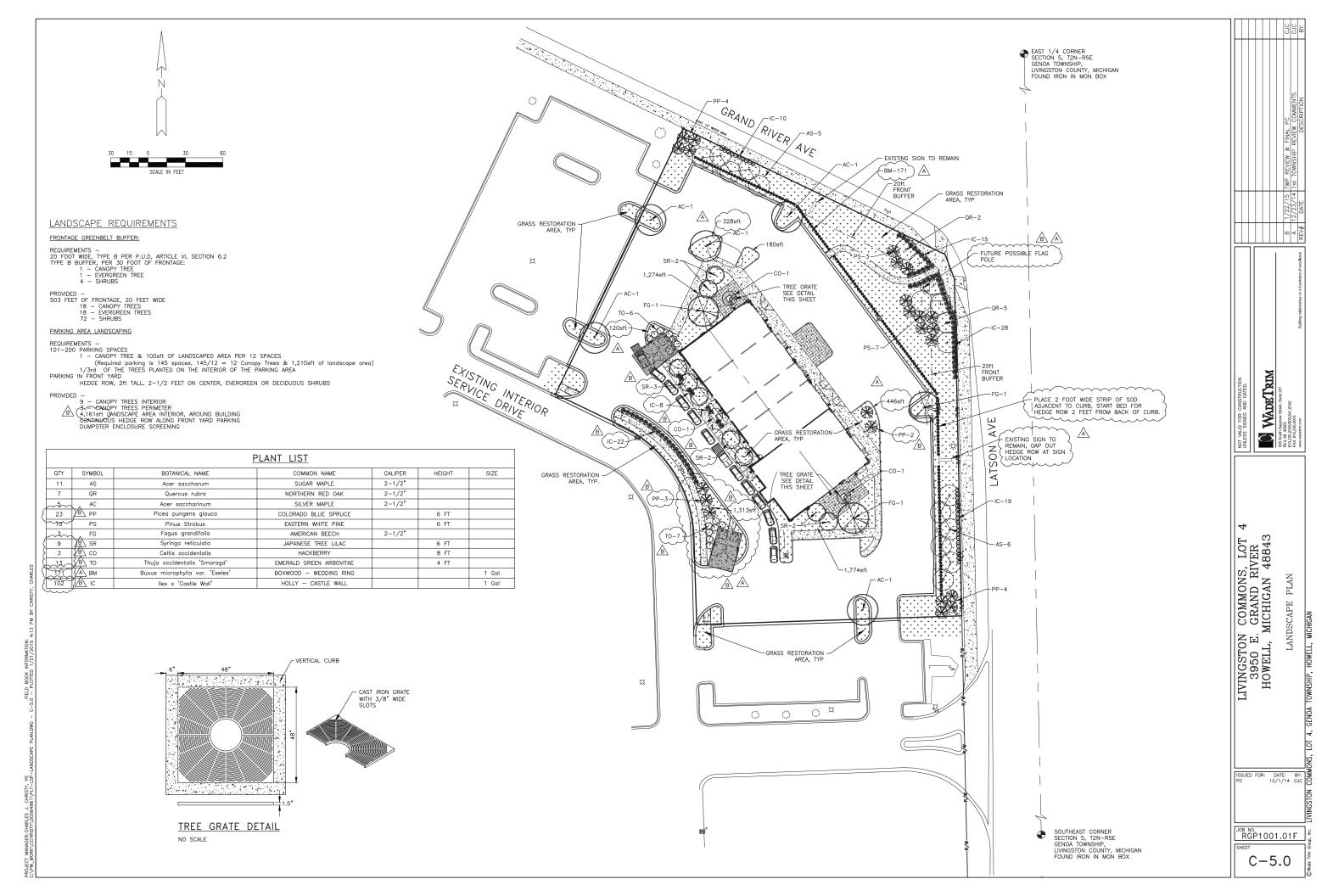
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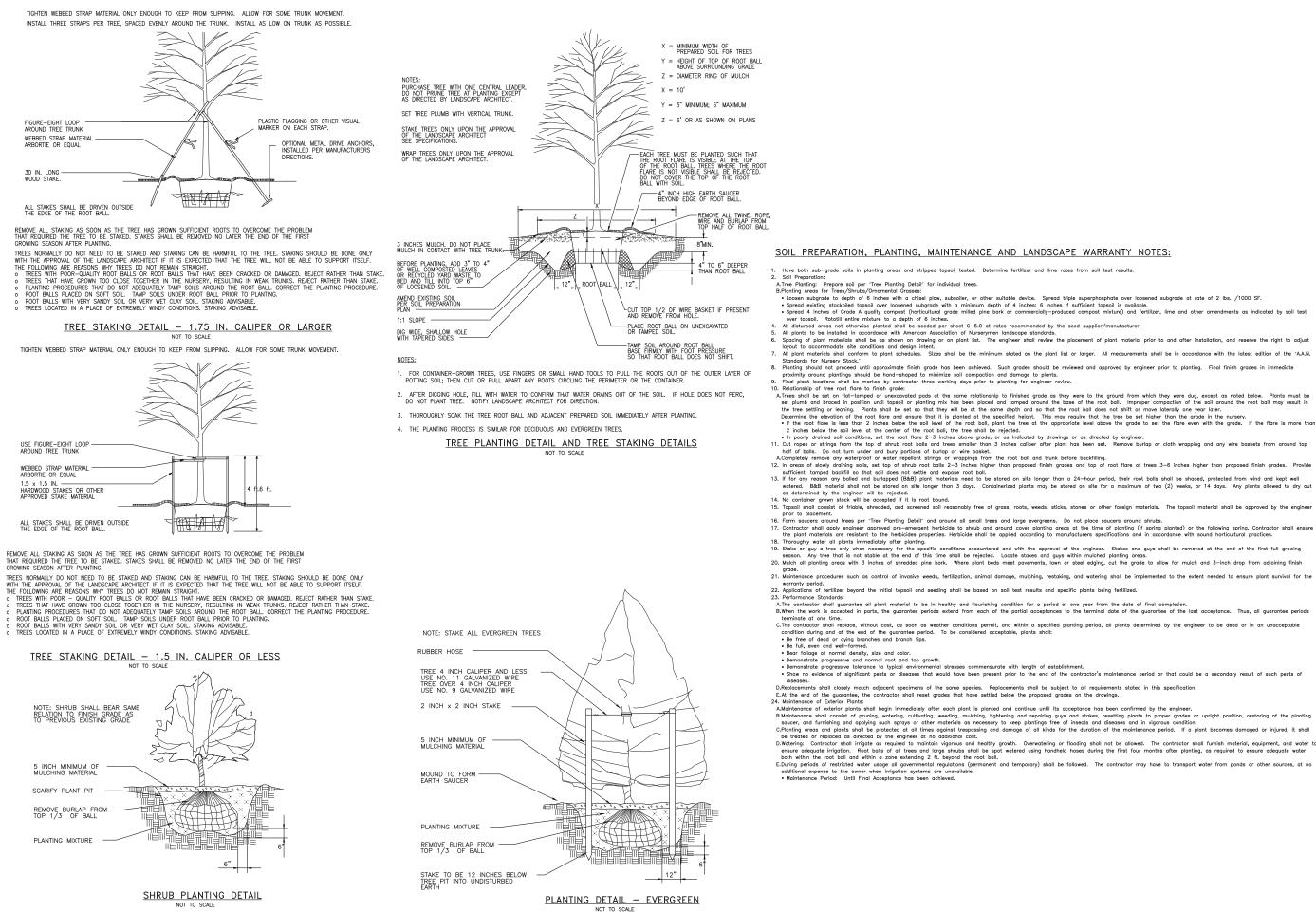
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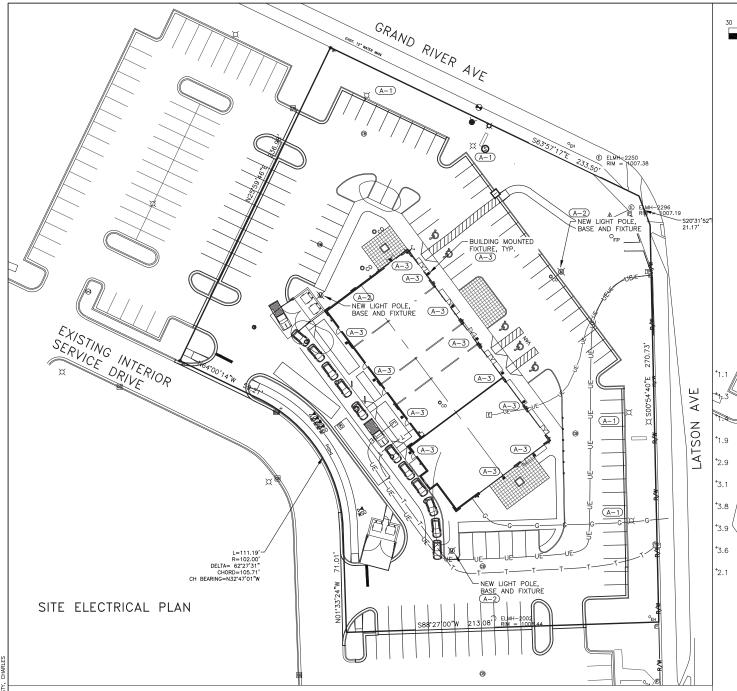
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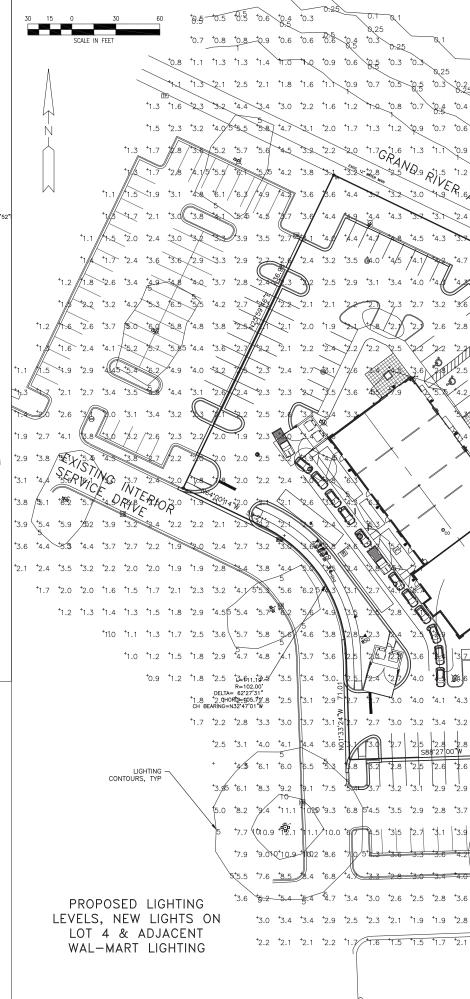
			ENC CIC	-
			1/22/15 TWP REVIEW & FINAL PC 12/23/14 1st TOWNSHIP REVIEW COMMENTS DATE	
			1/22/15 12/23/14 DATE	
			B A REV#	
			Bulding relationships on a foundation of excellence	
ın	NOT VALID FOR CONSTRUCTION UNLESS SIGNED AND DATED:	KO WADETRIM	555 South Staghtew Street, Suite 201 Firth, MI 4802 810.255.555600.841.0342 FAX: 810.254.975 www.wadefirm.com	
a a a a a a a a a a a a a a a a a a a	TIVINGSTON	HOWELL, MICHIGAN 48843	LANDSCAPE DETAILS	N COMMONS, LOT 4, GENOA TOWNSHIP, HOWELL, MICHIGAN
	PC	, for: [12	DATE: BY: /1/14 CJC	IVINGSTON COM
	JOB N RG	o. P100	1.01F	Group, Inc.
		C-5	5.1	© Wade Trim Group, Inc.



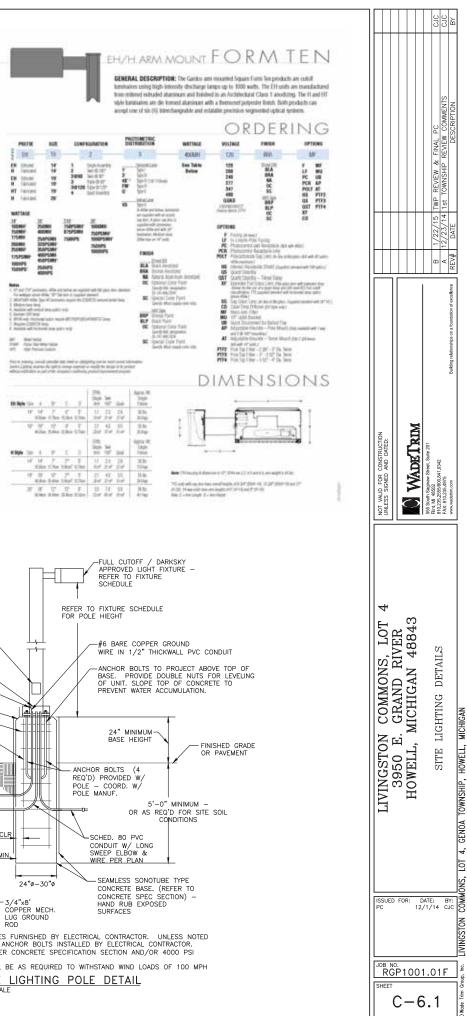
Luminaire Sch	edule					
Symbol	Qty	Label	Arrangement	MANUFACTURER	Description	Comment
•= ·	4	A-1	SINGLE	GARDCO LIGHTING	EH-19-1-VS-450PSMH-480-BLP	Replace existing fixture, use existing 25' pole
œ •	3	A-2	SINGLE	GARDCO LIGHTING	EH-19-1-VS-450PSMH-480-BLP	25ft Pole, Square, painted black
- ·	12	A-3	SINGLE	GARDCO LIGHTING	EH-14-1-VS-150MH-480-BLP	Building Mounted 10ft Above Grade

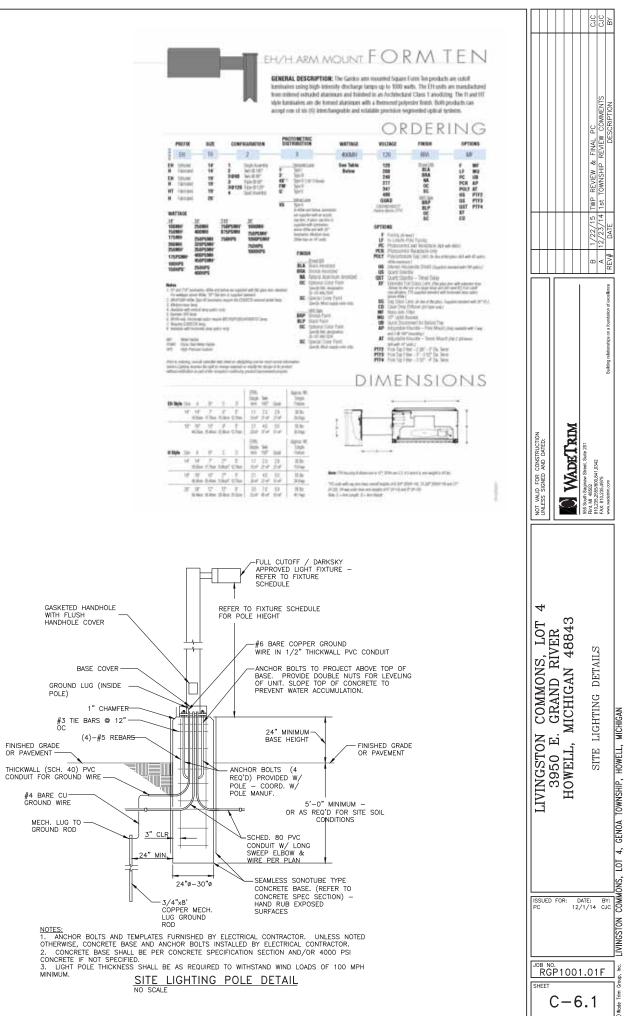
SITE LIGHTING NOTES:

- 1. ALL LIGHTING SHALL BE METAL HALIDE.
- 2. CONTRACTOR SHALL PROTECT AND REUSE CIRCUITS TO THE EXTENT PRACTICAL, SEE ELECTRICAL ENGINEERS DRAWINGS.
- 3. BUILDING MOUNTED FIXTURES ARE SUBJECT TO CHANGE LOCATION, TYPE, AND MANUFACTURER. THE SUBSTITUTION SHALL NOT INCREASE THE LIGHTING LEVELS AND INTENSITIES INDICATED ON THIS PLAN.



ELMH-2427 RIM = 1007.32 © ELMH-2428 RIM = 1007.96 +0.3 +0.2 1.25 ELMH-2424 RIM = 1007.78 ⁺0.4 ⁺0.3 ⁺0.2 *8:4 S SS-2423 RIM = 1007.56 ⁺0.7 ⁺0.6 ________.4 ⁺0.3 + 0.25 ⁺0.1 ⁺0.⁻ ^{11.7}GRAND.9 R^{11.5} ^{11.4} ^{32.5} ^{11.6} ^{11.5} ^{11.4} ⁺0.8.5 ⁺0.4 -`@.25 ⁺0.2 _______ 0.25 ⁺0.1 ⁺∩ [†]0.9 -10.5 *0.4 ⁺0.8 ₹Q.5 ⁺0.3 ⁺0.2 ⁺0.2 ⁺0.1 ⁺0.0 ⁺0.9 \$0.5 to.3 Q.252 to.10.to.1 *0 ⁺0.6 ⁺0.9 ⁺o.∂Q.50.4 +0Q325+0.2 +0Q11 ⁺0. ۵.5 ⁺0.3 ______ 0.25 ⁺0.2 ⁺4.3 ⁺3.4 ⁺0.3 ⁺0.2 ⁺3.2 +3.6 ⁺4.0 ⁺2.8 6,0.0.5 +d0.325 to. 0,4620⁺50,52 ⁺2.8 ⁺2.2 ⁺1.8° *1 ⁺2.1 a0.50 4 Ô. +2,8 ⁺2.8 ⁺2.0 ⁺2.5 ***≾.* ⁺3.0 +1.4 WADETRIM ⁺2.7 ⁺1.8 ⁺2.4 ⁺2.7 ⁻3.2 ⁺0. ⁺2.5 ⁺2.9′ ⁺2.3 ⁺1.9 ⁺0.8 <u>ک</u> \$\$10+2.5 ⁺2.5 +2 \bigcirc ٦ ¥ 91 3.8 ⁺3. ₹ A ⁺3.3 ⁺4.0 E ⁺3.2 ⁺4.4 17 NOSTAJ ⁺3.5 +4.4 ⁺3.9 <u>\$</u>0 N COMMONS, LOT A I. GRAND RIVER MICHIGAN 48843 **G 4**. 3.3 +3.4 +4.6 ⁺1.ε E) ⁺3.2 ⁺3.8 ⁺3.8 ⁺2.7 2.6 +3.1 +4.2 PLAN 0 7 +3.4 +3.6 +2.5 +2.3 ⁺2.9 ⁺3.9 *3.4 *2.5 LIGHTING ⁺4.3 +3.9 ⁺3.6 ⁺2.5 ⁺2.0 ⁺1.8 ⁺2.2 ⁺2.9 ⁺2.8 +3.2 ⁺1.8 гi SITE LIVINGSTON 3950 E HOWELL, 1.9 ⁺1.8 ⁺1.5 ⁺3.0 ⁺2.3 ⁺2.1 ⁺2 *3.0 +3.3 1.8 ⁺3.4 ⁺2.8 +3.7 ⁺3.9 ⁺2.7 ⁺2.5 *2.4 ° *2 1+AAA ⁺4.3 ⁺3.7 ⁺3. *3.2 *2 +4.4 J.5/ 3 *2.6 ₽. P**a** *3.0 *3.4 *4.0 \$*5.4 *5.9 *6.0 54.8 +4.4 +4.3 ⁺3.9 ⁺3.5 ⁺3 +2.7 ISSUED FOR: DATE: PC 12/1/14 ⁺4.6 ⁺3.6 ⁺3.2 ⁺3.0 ⁺2.8 ⁺2. ⁺\$₹8 ⁺6.4 ⁺5.9 ⁺2.1 *3.0 *3.4 *3.4 *2.9 *2.5 *2.3 *2.1 *1.9 *1.9 *2.8 *4.3 *4.1 *4.2 *3.8 *2.7 *2.2 *2.3 *2.0 *2.2 *2.1 *2.1 *2.2 *1.7 *1.6 *1.5 *1.7 *2.1 *2.5 *2.4 *2.4 *2.3 *1.9 *1.7 *1.6 ⁺0.8 ^{ЈОВ NO.} RGP1001.01F C - 6.0





			GENERAL EROSION NOTES
QUENCE OF CONSTRUCTION		NOTE: SEE SITE PLAN FOR	 THE STORM WATER POLLUTION PREVENTION PLAN IS COMPRISED OF THESE DRAWINGS ("SITE MAPS"), THE STANDARD DETAILS, PLUS THE PERMIT AND SUBSEQUENT REPORTS AND RELATED DOCUMENTS.
6H, CONCRETE WASHOUT, MASON'S AREA, FUEL AND MA	NG AREAS: TRAILER, PARKING, LAY DOWN AREA, PORTA-POTTY, WHEEL TERIAL STORAGE CONTAINERS, SOLID WASTE CONTAINERS, ETC., ANY CHANGES IN LOCATION AS THEY OCCUR THROUGHOUT THE	EXISTING LEGEND SYMBOLS	 ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH STORM WATER POLLUTION PREVENTION SHALL OBTAIN A COPY OF THE STORM WATER POLLU PREVENTION FLAM AND THE STATE OR NATIONAL POLLUTIANT DISCHARGE ELIMINATION SYSTEM GENERAL PERMIT (NPDES PERMIT) AND BECOME FAMILAE WITH THEM CONTENTS.
SE I - TO BE COMPLETED PRIOR TO EARTH DISTURBA	SWPPP ENTRANCE SIGN.	O EROSION DETAILS	3. CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AS REQUIRED BY THE SWPPP, ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICITATED BY CONDITIONS AT NO ADDITIONAL COST OF OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION IF DEEMED NECESSARY RESULTANT FROM THE CONTRACTORS OPERATIONS, METHODS, OR SEQUENCE OF CONSTRUCTION.
FENCE AND INLET PROTECTION).	N THE SITE (CLEAR ONLY THOSE AREAS NECESSARY TO INSTALL SILT		4. BEST MANAGEMENT PRACTICES (BMP'S) AND CONTROLS SHALL CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS OR MANUAL OF PRACTICE, AS APPLICABLE. CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY PERMITTING AGENCY OR OWNER.
PREPARE TEMPORARY PARKING AND STORAGE AREA.	CONSULTANT TO PERFORM INSPECTION AND CERTIFICATION OF BMPS.		 SITE MAP MUST CLEARLY DELINEATE ALL STATE WATERS. PERMITS FOR ANY CONSTRUCTION ACTIVITY IMPACTING STATE WATERS OR REGULATED WETLAN MUST BE MAINTAINED ON SITE AT ALL TIMES.
ALL ACTIVITIES AND CONTACT THE CIVIL ENGINEERING ERAL CONTRACTOR SHALL SCHEDULE AND CONDUCT ST UND-DISTURBING CONTRACTORS BEFORE PROCEEDING	ORM WATER PRE-CONSTRUCTION MEETING WITH ENGINEER AND ALL	SEDIMENTATION/SILT FENCE (WITH WIRE	6. CONTRACTOR SHALL MINIMIZE CLEARING TO THE MAXIMUM EXTENT PRACTICAL OR AS REQUIRED BY THE GENERAL PERMIT.
SF II		SUPPORT WHERE CALLED FOR ON PLANS)	 GENERAL CONTRACTOR SHALL DENOTE ON PLAN THE TEMPORARY PARKING AND STORAGE AREA WHICH SHALL ALSO BE USED AS THE EQUIPMENT MAINTENANCE AND CLEANING AREA, EMPLOYEE PARKING AREA, AND AREA FOR LOCATING PORTABLE FACILITIES, OFFICE TRAILERS, AND TOILET FACILITIE
DISCONNECT ALL EXISTING UTILITY SERVICES BEGIN BUILDING DEMOLITION		DD# TEMPORARY DIVERSION & IDENTIFICATION. SEE	8. ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.) SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.
BEGIN TREE REMOVAL BEGIN STUMP REMOVAL, GRUBBING, AND TOPSOIL STRII	PING.		 SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLOTATION BOOMS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS.
BEGIN GRADING THE SITE, TRANSITION TO PERMANENT START CONSTRUCTION OF BUILDING PAD AND STRUCTU TEMPORABILY SEED THROUGHOUT CONSTRUCTION OF	CONDS AS WORK PROGRESS. RES ENUDED AREAS THAT WILL BE INACTIVE FOR 14 DAYS OR MORE.		10. DUST ON THE SITE SHALL BE CONTROLLED THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED.
INSTALL UTILITIES, UNDERDRAINS, STORM SEWERS, CUR INSTALL UTILITIES, UNDERDRAINS, STORM SEWERS, CUR INSTALL INLET PROTECTION AT ALL STORM SEWER S PERMANENTLY STABILIZE AREAS TO BE VEGETATED AS	35 AND GUTTERS. IRUCTURES AS EACH INLET STRUCTURE IS INSTALLED.	SUA SOIL TYPE	11. RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FI LLEXIMON THE PREMISES THROUGH THE ACTION OF WIND OR STORM WATER DISCHARGE INTO DRAINAGE DITCHES OR WATERS OF THE STATE.
PREPARE SITE FOR PAVING. PAVE SITE.			12. ALL STORM WATER POLLUTION PREVENTION MEASURES PRESENTED ON THIS SITE MAP, AND IN THE STORM WATER POLLUTION PREVENTION PLAN, SHA BE INITIATED AS SOON AS PRACTICABLE.
INSTALL APPROPRIATE INLET PROTECTION DEVISES FO COMPLETE GRADING AND INSTALLATION OF PERMANENT CALL ENGINEER AFTER THE SITE APPEARS TO BE FULL REMOVE ALL TEMPORARY EROSION AND SEDIMENT CON	STABILIZATION OVER ALL AREAS.		13. ALL PERMETER DIKES, SWALES, DITCHES, PERMETER SLOPES AND ALL SLOPES SHALL BE TEMPORARILY OR PERMANENTLY STABILIZED WITHIN 7 DAYS LAST LAND DISTURBING ACTIVITY. ALL OTHER DISTURBED AREAS SHALL BE TEMPORARILY OR PERMANENTLY STABILIZED WITHIN 14 DAYS OF LAST LAND DISTURBING ACTIVITY.
AREAS DISTURBED BY THE REMOVAL OF THE BMP.	DAILY INSPECTION IS SIGNED OFF BY THE CONSTRUCTION MANAGER		14. IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL CONSTRUCTION ENTRANCES IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF DIRT OR MU THEN THE TIRES MUST BE WASHED BEFORE THE VEHICLES ENTER A PUBLIC ROAD. IF WASHING IS USED, PROVISIONS MUST BE MADE TO INTERCEPT WASH WATER AND THEY THE SEDWENT BEFORE IT IS CARRED OFF THE STRL ONLY DE WORKESS/EGRESS LOCATIONS AS PROVIDED.
E: THE GENERAL CONTRACTOR MAY COMPLETE CONSTRU	CTION-RELATED ACTIVITIES CONCURRENTLY ONLY IF ALL PRECEDING STEPS IN THE ABOVE SEQUENCE ARE ITALICIZED FOR CLARITY.		15. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY
S HAVE BEEN COMPLETELT INSTALLED. BMF-RELATEL	SIEPS IN THE ABOVE SEQUENCE ARE HALICIZED FOR CLARITI.		16. CONTRACTORS OR SUBCONTRACTORS WILL BE RESPONSIBLE FOR REMOVING SEDIMENT IN THE DETENTION POND AND ANY SEDIMENT THAT MAY HAVE COLLECTED IN THE STORM SEWER DRAINAGE SYSTEMS IN CONJUNCTION WITH THE STABILIZATION OF THE SITE.
			17. ON-SITE & OFFSITE SOIL STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH IMPLEMENTATION OF MANAGEMENT PRACTICES. STOCKPILE AND BORROW AREA LOCATIONS SHALL BE NOTED ON THE SITE MAP AND PERMITTED IN ACCORDANCE WITH GENE PERMIT REQUIREMENTS.
			18. SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.
			 DUE TO THE GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION SEDIMENT CONTROL MEASURES (SILT FENCES, ETC.) TO PREVENT EROSION. AND POLLUTANT DISCHARGE.
	NOTES:		20. NO WORK TO BE PERFORMED IF RAINING OR THREATENING RAIN, UNLESS INSPECTOR IS ON SITE. CONTRACTOR TO HAVE RAINFALL GAUGE ON-SITE DURING CONSTRUCTION.
		CERTIFY, UNDER PENALTY OF LAW, THAT THIS DOCUMENT AND LL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR	21. CONTRACTOR TO HAVE NATIVE GROUND COVER ACQUIRED/READY/STOCKPILED AND TO BE INSTALLED WITHIN 21 CALENDAR DAYS OF FINAL GRADING.
	PRIOR TO EARTHWORK ACTIVITIES, REFER TO	UPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO SSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND VALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF	22. DAILY INSPECTIONS OF THE INSTALLATION OF SOIL EROSION CONTROLS ARE REQUIRED BY THE SITE CONTRACTOR UNTIL ESTABLISHED AND AFTER EVE SIGNIFICANT RAINFALL EVENT.
		VALUATE THE INFORMATION SUBMITTED. BASED ON MY INJURY OF HE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE ERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE	23. ALL EXISTING PERIMETER FENCE TO BE REMOVED AFTER SLOPES AND SITE ARE STABLIZED.
		IFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF Y KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE, I	24. MASS SITE GRADING CANNOT BEGIN UNTIL #1 AND #2 CONSTRUCTION SEQUENCES HAVE BEEN COMPLETED, AND SESC/SWPP APPROVED SOIL EROSIC PLAN CONTROLS ARE INSTALLED AND INSPECTED.
JIM BLAIR, RG PROPERTIES, INC. 10050 INNOVATION DR. SUITE 100 DAYTON, OH 45342		M AWARE THAT THERE ARE SIGNIFICANT PENALTES FOR UBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF INES AND IMPRISONMENT FOR KNOWING VIOLATIONS.	25. DURING DEVELOPMENT OF THE SITE, THE PERSON RESPONSIBLE FOR THE LAND DISTURBING ACTIVITY <u>SHALL INSTALL AND MAINTAIN</u> ALL TEMPORARY A PERMANENT EROSION AND SEDMENTATION CONTROL MEASURES AS REQUIRED BY THE APPROVED PLANA OR BY ANY PROVISION OF PART 91 SESC ACT AND APPLICABLE COUNTY ORDINANCES. ADDITIONAL DURICES WILL BE REQUIRED IF NECESSARY.
(937) 424–3904 SITE OPERATOR/GENERAL CONTRACTOR:			26. IF FLL MATERIALS ARE BEING BROUGHT ONTO THIS PROPERTY OR IF WASTE MATERIALS ARE TAKEN FROM THIS PROJECT. THIS INFORMATION MUST BI DISCLOSED AND SHOWN ON THE EROSION CONTROL AND GRADING PUAL BORROW AREAS AND DUMP STEES ARE CONSIDERED TO BE PART OF THIS PROJECT. CONTRACTOR SHALL SUBMIT SPECIFIC SESC FLANS FOR WASTE/DORROW OFFSITE.
SHE OPERATORY GENERAL CONTRACTOR.		M BLAIR - RG PROPERTIES, INC.	27. IN AN EFFORT TO MINIMIZE EROSION AND EXPOSURE TIME, EASEMENT AREAS SHALL NOT BE GRUBBED OR GRADED UNTIL UTILITIES ARE READY TO E INSTALLED. THE IMMEDIATE SEEDING OF DISTURBED EASEMENT AREAS AFTER UTILITIES ARE INSTALLED WILL ALSO ELIMINATE MANY PROBLEMS.
SUPERINTENDENT:	SOIL EROSION/SEDIMENTATION CONT	ROL OPERATION TIME SCHEDULE	28. NO LAND DISTURBING ACTIVITY SHALL BE PERMITTED IN PROXIMITY TO A LAKE OR NATURAL WATERCOURSE UNLESS A BUFFER ZONE IS PROVIDED AL THE MARGIN OF THE WATER BODY OF SUFFICIENT WIDTH TO CONFINE VISIBLE SILTATION WITHIN THE 25% OF THE BUFFER ZONE NEAREST THE LAND
	NOTE: GENERAL CONTRACTOR TO COMPLET	TABLE WITH THEIR SPECIFIC PROJECT SCHEDULE	disturbing activity. 29. Side ditches 2% or steeper shall be rip-rapped; or seeded and stabilized with excelsior matting (or other approved material); or
	CONSTRUCTION SEQUENCE JAN FEB MAR	APR MAY JUN JUL AUG SEP OCT NOV DEC JAN FEB MAR APR MAY JUN	STABILIZED BY ANY OTHER METHOD APPROVED BY THE COUNTY SOIL EROSION CONTROL INSPECTOR.
NOTE: SEE SHEET C-7.3 FOR	TEMPORARY CONSTRUCTION EXITS		30. IF A PERMAMENT POND IS USED AS A SEDIMENT CONTROL DEVICE, OR DESIGNATED AS A PERMAMENT WATER QUALITY POND, IT MUST BE CLEAMED OUS SEDIMENT WHEN HALF FULL. IT MUST ALSO BE CLEAMED OUT TO DESIGN VOLUME; ENGINEERING CERTIFICATION OF COMPLETION SUBMITTED, AND FINV INSPECTION PERMENED BY COUNTY STAFF BEFORE THE GRADING PERMIT IS FINALIZED.
EROSION DETAILS.	SEDIMENT CONTROL MEASURES		31. CONSTRUCTION ACTIVITIES DISTURBING ONE OR MORE ACRES WILL BE ISSUED A NEDES STORM WATER DISCHARGE PERMIT AS REQUIRED BY THE FED CLEAN WATER ACT, SECTION B OF THIS PERMIT REQUIRES THE PERMITEE TO PERMODICALLY INSPECT ALL SEDIMENT & EROSION CONTROL DEVICES, A
ACREAGE SUMMARY	STRIP & STOCKPILE TOPSOIL		TO KEEP A RECORD OF THESE INSPECTIONS.
(IN ACRES)	ROUGH GRADE		32. THE ANGLE FOR GRADED SLOPES SHALL BE NO GREATER THAN THE ANGLE THAT CAN RETAIN VEGETATIVE COVER OR OTHER ADEQUATE EROSION CO DEVICES OR STRUCTURES. IN ANY EVENT, SLOPES LETT EXPOSED WILL, WITHIN 21 CALENDAR DAYS OF COMPLETION OF ANY PHASE OF GRADING, BE PLANTED OR OTHERWISE PROVIDED WITH TEUPORARY OR PERMANENT ROVUNCEOVER, DEVICES, OR STRUCTURES SUFFCIENT TO RESTRAIN REDSION.
ON-SITE DISTURBED AREA 1.7	SITE CONSTRUCTION		33. THE OWNER(S) IS RESPONSIBLE FOR THE LONG TERM MAINTENANCE OF GROUNDCOVER ON THE PROPERTY. GROUNDCOVER MUST BE MAINTAINED TO DEGREE THAT PREVENTS SOIL EROSION AND SEDIMENTATION AT ALL TIMES.
	PERMANENT CONTROL STRUCTURES		34. ACCEPTANCE AND APPROVAL OF THIS PLAN IS CONDITIONED UPON THE PROPERTY OWNER(S) COMPLIANCE WITH FEDERAL AND STATE WATER QUALITY
OFF-SITE DISTURBED AREA 0.3			LAWE, REGULATIONS, AND RULES. IN ADDITION, LOCAL TOWN OR COUNTY ORDINANCES OR RULES MAY ALSO APPLY TO THIS LAND DISTURBING ACTIVIT THIS APPROVAL DOES NOT SUPERSEDE ANY OTHER PERMIT OR APPROVAL.
TOTAL DISTURBED AREA (MUST MATCH NO) 2.0	LANDSCAPING/SEED/FINAL STABILIZATION		
IMPERVIOUS AREA AT COMPLETION 72.1	% <u> </u>		

27,9% PERVIOUS/ SEEDED AREA AT COMPLETION

_	CONSTRUCTION SEQUENCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
	TEMPORARY CONSTRUCTION EXITS																		
	TEMPORARY CONTROL MEASURES																		
-	SEDIMENT CONTROL BASINS																		
٦	STRIP & STOCKPILE TOPSOIL																		
	ROUGH GRADE																		
	STORM FACILITIES																		
-	SITE CONSTRUCTION																		
_	PERMANENT CONTROL STRUCTURES																		
	FOUNDATION / BUILDING CONSTRUCTION																		
1	FINISH GRADING																		
-	LANDSCAPING/SEED/FINAL STABILIZATION																		

MAINTENANCE

AL MEASURES STATED ON THIS SITE MAP, AND IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR FINAL STABILIZATION OF THE SITE. ALL EROSION AND SEDMENTATION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON IN ACCORDANCE WITH THE CONTRACT DOCUMENTS OR THE APPLICABLE PERMIT, WHICHEVER IS MORE STRINGENT, AND REPAIRED IN ACCORDANCE WITH THE FOLLOWING:

- 1. INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING OR DETERIORATION.
- 2. ALL SEEDED AREAS SHALL BE CHECKED REGULARLY TO SEE THAT A GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED, WATERED, AND RESEEDED AS NEEDED.
- 3. SILT FENCES SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE SILT FENCES WHEN IT REACHES ONE-HALF THE HEIGHT OF THE SILT FENCE.
- 4. THE CONSTRUCTION EXITS SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE CONSTRUCTION EXITS AS CONDITIONS DEMAND.
- THE TEMPORARY PARKING AND STORAGE AREA SHALL BE KEPT IN GOOD CONDITION (SUITABLE FOR PARKING AND STORAGE). THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE TEMPORARY PARKING AREA AS CONDITIONS DEMAND.
- OUTLET STRUCTURES IN THE SEDIMENTATION BASINS SHALL BE MAINTAINED IN OPERATIONAL CONDITIONS AT ALL TIMES. SEDIMENT SHALL BE REMOVED FROM SEDIMENT BASINS OR TRAPS WHEN THE DESIGN CAPACITY HAS BEEN REDUCED BY 50%.
- 7. REFER TO THE MICHIGAN NON POINT SOURCE BMP MANUAL FOR ADDITIONAL REQUIREMENTS.

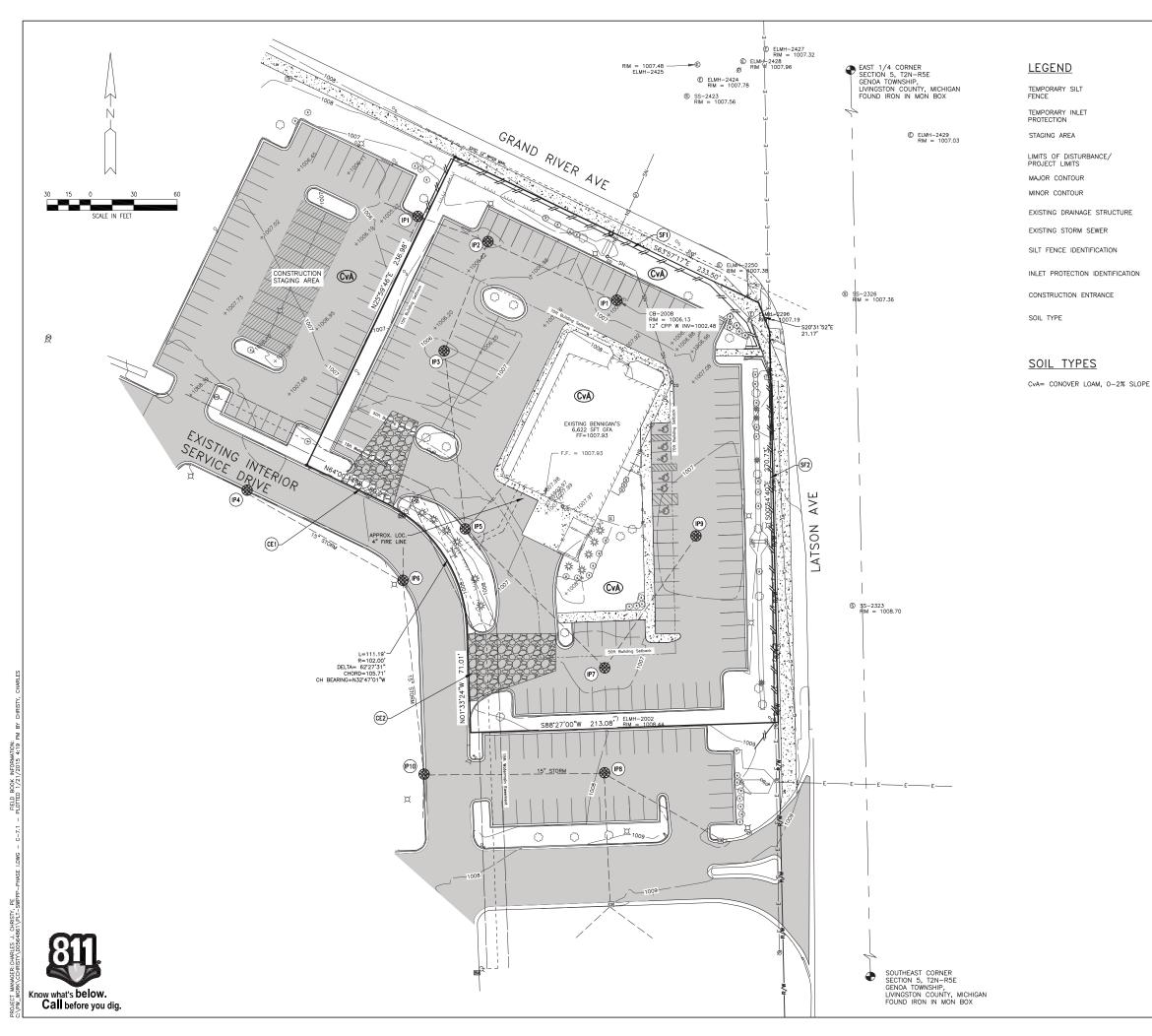
	STABILIZATION	TIMEFRAMES
SITE AREA DESCRIPTION	STABILIZATION	TIMEFF
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HQW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENG ARE ALLOWED
SLOPES 3:1 OR FLATTER	14 DAYS	7 DAYS FOR SLOPES GREATER THAN S
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE, EXCEPT FOR PERIMETERS AND

EMPORARY SEED	ING SPECIFICATIONS	
DEFINITION		
EEDING DISTURBED AREAS WITH AN	NUAL GRASSES OR LEGUMES TO PROVIDE A TE	MPORARY GROUND COVER TO
ESSEN SOIL EROSION. PURPOSE		
	CUT AND FILL SLOPES THAT CANNOT BE SEED ION.	ED WITH PERMANENT VEGETATION
CONDITIONS WHERE PRACT	ICE APPLIES	
MAY INCLUDE SUCH AREAS AS TEMP	ED BY GRADING, AND VEGETATIVE COVER IS N DRARY SEDIMENT POND, DIVERSIONS, SOIL STO IT IS ALSO USED TO PROVIDE A TEMPORARY	CKPILES, BUILDING PADS,
REPARATION		
O PRODUCE A LOOSE FRIABLE SUR WO TONS OF DOLOMITIC LIME PER .5 OR HIGHER). MULCHING IS REQU	ELING, HARROWING, OR PLOWING TO DEPTH O FACE. INCORPORATE 750-1,000 POUNDS 10- ACRE. (NOTE: LIME MAY NOT BE NEEDED IF A NEED ACCORDING TO THE SAME SPECIFICATION SELECT SEEDING MIXTURE AND BEST PLANTING	10-10 FERTILIZER AND UP TO SOIL TEST INDICATES A PH OF S AS FOR PERMANENT SEEDING
TA	BLE 12 - TEMPORARY SEEDINGS	6
ANTS & MIXTURE	PLANTING RATES/ACRE	PLANTING DATES
ATS, BARLEY	3 BU	APRIL 15 - AUG. 1
JNDONGRASS	30 - 40 LBS	JUNE - JULY
YE (GRAIN)	2 —3 BU	AUG. 15 - DEC. 30
EAT LCH ALL AREAS AFTER SEEE	2 — 3 BU ING AT A RATE OF 2 TONS PER ACRE	AUG. 1 - OCT. 10
	ING SPECIFICATIONS	
DEFINITION		
	RENNIAL GRASSED AND/OR LEGUMES TO PROV L EROSION.	IDE A PERMANENT VEGETATIVE
URPOSE	IANENTLY STABILIZE DISTURBED AREAS CREATE	
ES.		U BT GRADING OF CONSTRUCTION
NDITIONS WHERE PRACT		
	CTION SITES WHICH ARE NOT COVERED BY STR	UCTURES OR UTHER EROSION
	ELING, HARROWING, OR PLOWING TO DEPTH O E. REMOVE ALL STONES, BOULDERS, STUMPS, I OF PLANT GROWTH.	
CORPORATE INTO THE SOIL 800 TO JPERPHOSPHATE PER ACRE & TWO JWER RATE OF LIME CAN BE USED	1,000 POUNDS OF 10-10-10 FERTILIZER P TONS OF DOLOMITIC LIME PER ACRE UNLESS	LUS 500 POUNDS OF 20% SOIL TESTS INDICATE THAT A
	NS OF GRAIN STRAW PER ACRE AND EITHER O ONS PER ACRE OR EMULSIFIED ASPHALT AT 3	

MULCH AFTER SEEDING WITH 1.5 TONS OF GRAIN STRAW PER ACRE AND ETHER CRIMM STRAW INTU SOLL U WITH LIQUID ASPHALT AT 400 GALLONS PER ACRE OR EMULSIFED ASPHALT 3.300 GALLONS PER ACRE. SELECT SEEDING MIXTURE AND BEST PLANTING DATES FROM TABLE BELOW. SEE LANDSCAPE PLAN FOR SEED MIXTURES AND PLANTING NOTES

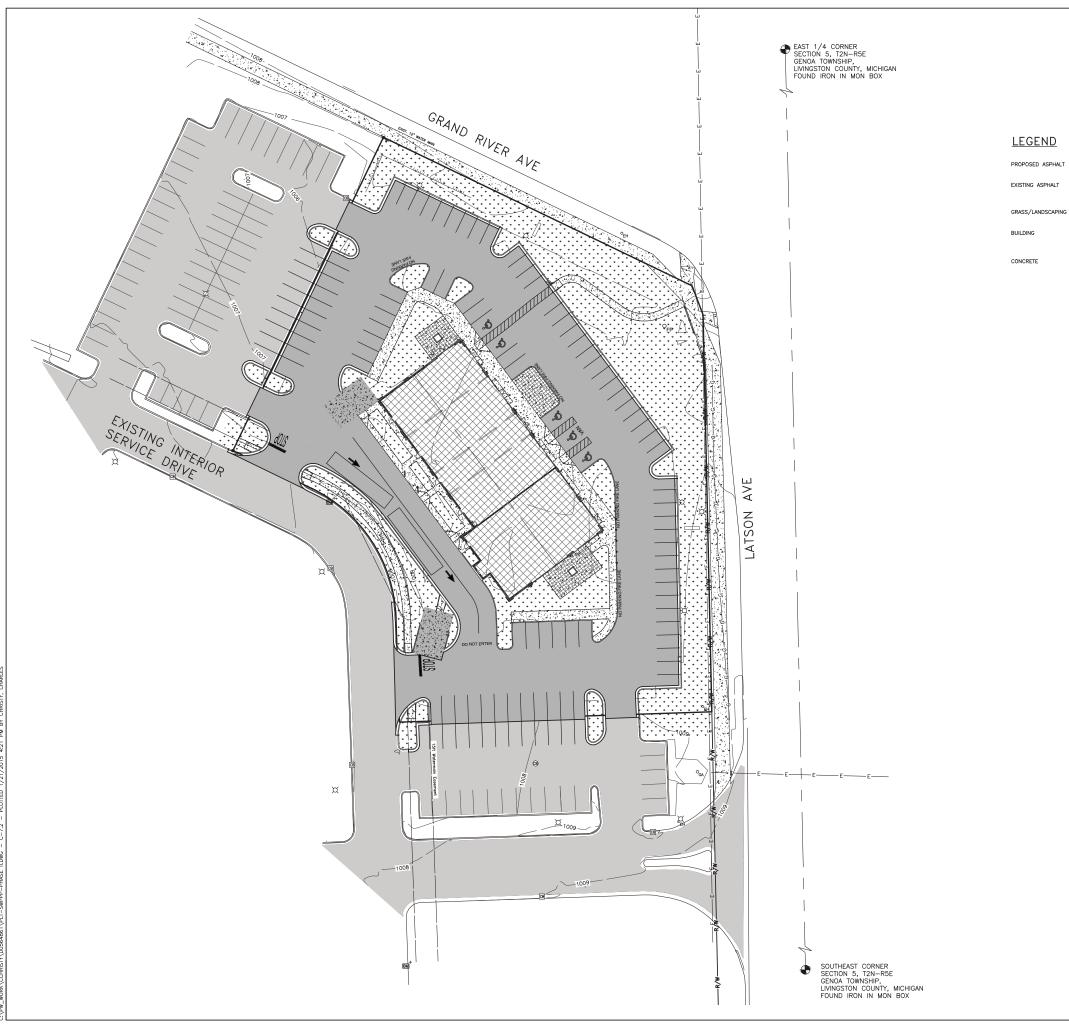
EFRAME EXCEPTIONS
ENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS
N 50' IN LENGTH
ND HQW ZONES



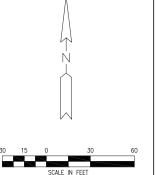


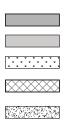
JOB N RC		ON COMMONS, L	NOT VALID FOR CONSTRUCTION UNLESS SIGNED AND DATED:				
<u>ор</u> С-		~ ~					
	₹: 1:	HOWELL, MICHIGAN 48843	U WADETRIM				
<u>1.</u> 7.	DAT 2/1,		555 South Saginaw Street, Suite 201				
	E: /14	I JSVHG - NV IG GAMB Pie JSJS	Flint, MI 48502 840 235 SEREISON 841 D342	8	1/22/15	/22/15 TWP REVIEW & FINAL PC	CIC
F	BC		FAX: 810.235.4975	4		12/23/14 1st TOWNSHIP REVIEW COMMENTS	CUC
	Y: JC		www.wadetrim.com Building relationships on a foundation of excellence	of excellence REV#	# DATE	DESCRIPTION	BY
C Wade Trim Group, Inc.	LIVINGSTON C	OMMONS, LOT 4, GENOA TOWNSHIP, HOWELL, MICHIGAN					

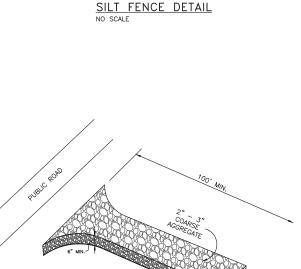




	PC		NOT VALID FOR CONSTRUCTION		
RC		TTATINGSTON COMMONS, TOT 4	UNLESS SIGNED AND DATED:		
С С	10				
- I		TURNED			
_		HOWFLI, MICHIGAN 48843	MAND THAT AND		
•	DATE /1/		555 South Saginaw Street, Suite 201		
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			FAX: 810.235,4975	A 12/23/14 1st TOWNSHIP REVIEW COMMENTS	OMMENTS CUC
	IY: JC		www.wadetrim.com www.wadetrim.com	REV# DATE	DESCRIPTION BY
© Wade Trim Group, Inc.		JGSTON COMMONS, LOT 4, GENOA TOWNSHIP, HOWELL, MICHIGAN			







-METAL FENCE POST

CONTRO

MAXIMUM PLACEMENT OF POST USING HOG WIRE WITH APPROVED EROSION CONTROL FABRICS TO BE 10 FEET.

FABRIC - 36 INCHES IN WIDTH (MUST MEET ENGINEERS'

METAL T-POST 5 FEET OR 6 FEET IN HEIGHT DEPENDING ON FILL SLOPE.

SPECIFICATIONS FOR EROSION CONTROL).

 $\underline{\text{STONE}}$ - NO. 4 WASHED STONE TO BE PLACED 12 INCHES DEEP AT SILT FENCE.

WASHED STONE

SLOPE



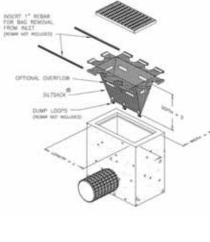
POST

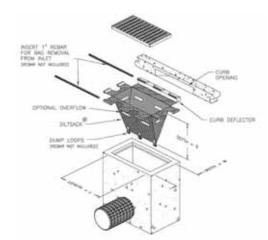
- CLEAR THE ENTRANCE AND EXIT AREA OF ALL VEGETATION, ROOTS, AND OTHER OBJECTIONABLE MATERIAL AND PROPERLY GRADE IT.
 PLACE THE GRAVEL TO THE SPECIFIC GRADE AND DIMENSIONS SHOWN ON THE PLANS, AND SMOOTH IT.
 PROVIDE DRAINAGE TO CARRY WATER TO A SEDIMENT TRAP OR OTHER SUITABLE OUTLET.
 USE GEOTEXTILE FABRICS BECAUSE THEY IMPROVE STABILITY OF THE FOUNDATION IN LOCATIONS SUBJECT TO SEEPAGE OR HIGH WATER TABLE.

MAINTENANCE

MAINTAIN THE GRAVEL PAD IN A CONDITION TO PREVENT MUD OR SEDIMENT FROM LEAVING THE CONSTRUCTION SITE. THIS MAY REQUIRE PERIODIC TOPORESSING WITH 2-INCH STORE. AFTER EACH RAINFALL, INSPECT AND STRUCTURE USED TO TRAP SEDIMENT AND CLEAN IT OUT AS NECESSARY. IMMEDIATELY REMOVE ALL OBJECTIONABLE MATERIALS SPILLED, WASHED, OR TRACKED ONTO PUBLIC ROADWAYS.

TEMPORARY GRAVEL CONSTRUCTION ENTRANCE NO SCALE





SILTSACK[®] TYPE A SPECIFICATIONS NOTE: THE SILTSACK WILL BE MANUFACTURED IN THE U.S.A. FROM A WOVEN MONOFILAMENT FABRIC THAT MEETS OR EXCEEDS THE FOLLOWING SPECIFICATIONS.

REGULAR FLOW SILTSACH

Mechanical Properties	Test Method	Units	MARV
Grab Tensile Strength	ASTM D 4632	LBS	315 x 300
Grab Tensile Elongation	ASTM D 4632	*	15 x 15
Puncture Strength	ASTM D 4833	LBS	125
Mullen Burst Strength	ASTM D 3786	PSI	650
Trapezold Tear Strength	ASTM D 4533	LBS	120 x 150
UV Resistence	ASTM D 4355	*	90
Apparent Opening Size	ASTM D 4751	US SIEVE	40
Flow Rate	ASTM D 4491	GAL/MIN/FT*	40
Permittivity	ASTM D 4491	Sec -1	0.55

HI-FLOW SILTSACK

FENCE POSTS

MIN.

GROUND 1' MIN.

SPACING 6-10' MAX. ROLL JOINT

ANCHOR TRENCH

SILT FENCE A

ROLL JOINTS

NO SCALE

SILT FENCE

SILT FENCE B

-FABRIC TO BE WRAPPED AROUND FENCE POST

Mechanical Properties	Test Method	Units	MARV
Grab Tensile Strength	ASTM D 4632	LBS	255 x 275
Grab Tensile Elongation	ASTM D 4632	*	20 X 15
Puncture Strength	ASTM D 4833	LBS	135
Mullen Burst Strength	ASTM D 3786	PSI	420
Trapezold Tear Strength	ASTM D 4533	LBS	40 x 50
UV Resistence	ASTM D 4355	*	90
Apparent Opening Size	ASTM D 4751	US SIEVE	40
Flow Rate	ASTM D 4491	GAL/MIN/FT*	200

DETAIL OF INLET SEDIMENT CONTROL DEVICE NO SCALE

SILTSACK[®] TYPE B SPECIFICATIONS

NOTE: THE SILTSACK WILL BE MANUFACTURED IN THE U.S.A. FROM A WOVEN MONOFILAMENT FABRIC THAT MEETS OR EXCEED: THE FOLLOWING SPECIFICATIONS.

REGULAR FLOW SILTSACK			
Mechanical Properties	Test Method	Units	MARV
Grab Tensile Strength	ASTM D 4632	LBS	315 x 300
Grab Tensile Elongation	ASTM D 4632	%	15 x 15
Puncture Strength	ASTM D 4833	LBS	125
Mullen Burst Strength	ASTM D 3786	PSI	650
Trapezoid Tear Strength	ASTM D 4533	LBS	120 x 150
UV Resistence	ASTM D 4355	%	90
Apparent Opening Size	ASTM D 4751	US SIEVE	40
Flow Rate	ASTM D 4491	GAL/MIN/FT ²	40
Permittivity	ASTM D 4491	Sec-1	0.55

Mechanical Properties	Test Method	Units	MARV
Grab Tensile Strength	ASTM D 4632	LBS	255 x 275
Grab Tensile Elongation	ASTM D 4632	*	20 X 15
Puncture Strength	ASTM D 4833	LBS	135
Mullen Burst Strength	ASTM D 3786	PSI	420
Trapezoid Tear Strength	ASTM D 4533	LBS	40 x 50
UV Resistence	ASTM D 4355	%	90
Apparent Opening Size	ASTM D 4751	US SIEVE	40
Flow Rate	ASTM D 4491	GAL/MIN/FT2	200
Permittivity	ASTM D 4491	Sec-1	1.5

DETAIL OF INLET SEDIMENT CONTROL DEVICE WITHIN A CURB LINE

TEMPORARY SEDIMENT POOL

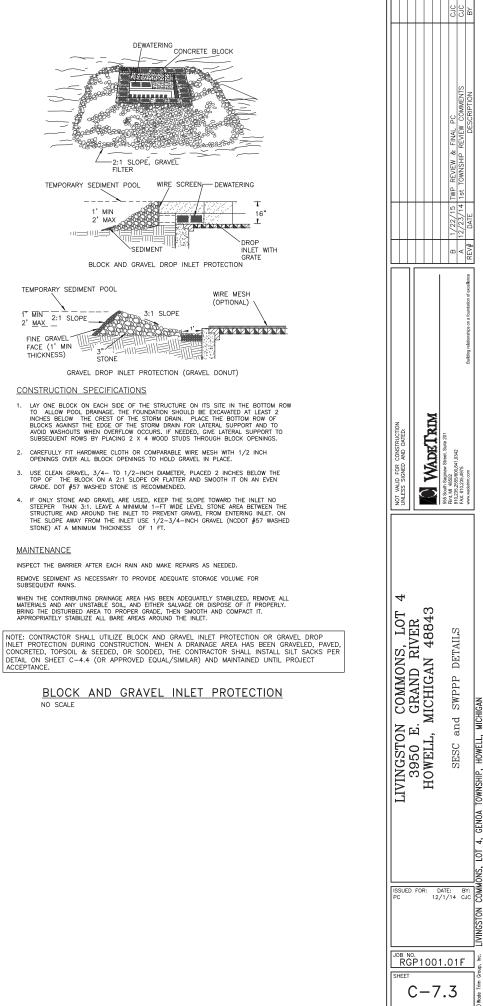
MIN 2:1 SLOPE FINE GRAVEL FACE (1' MIN

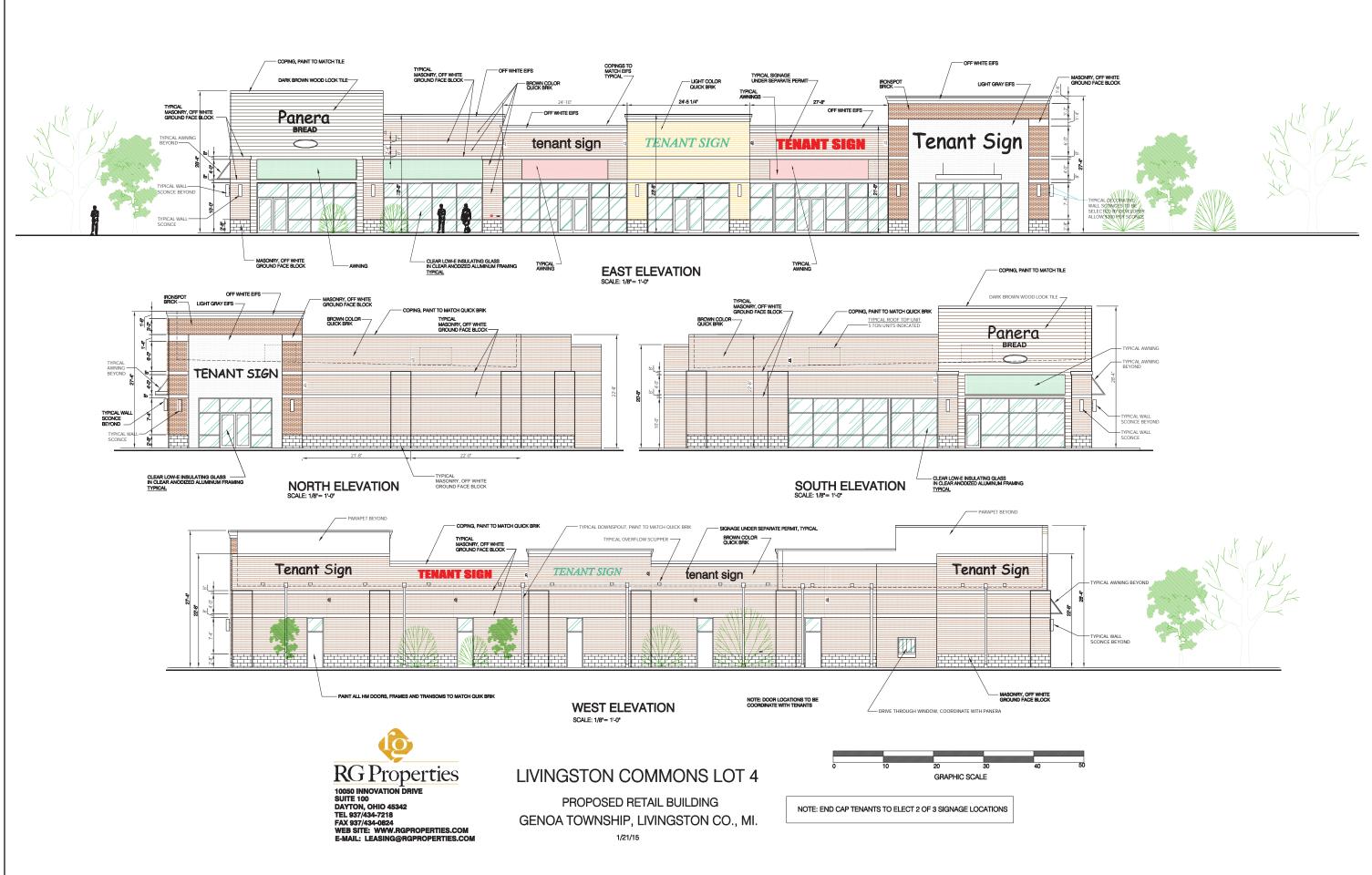
MAINTENANCE

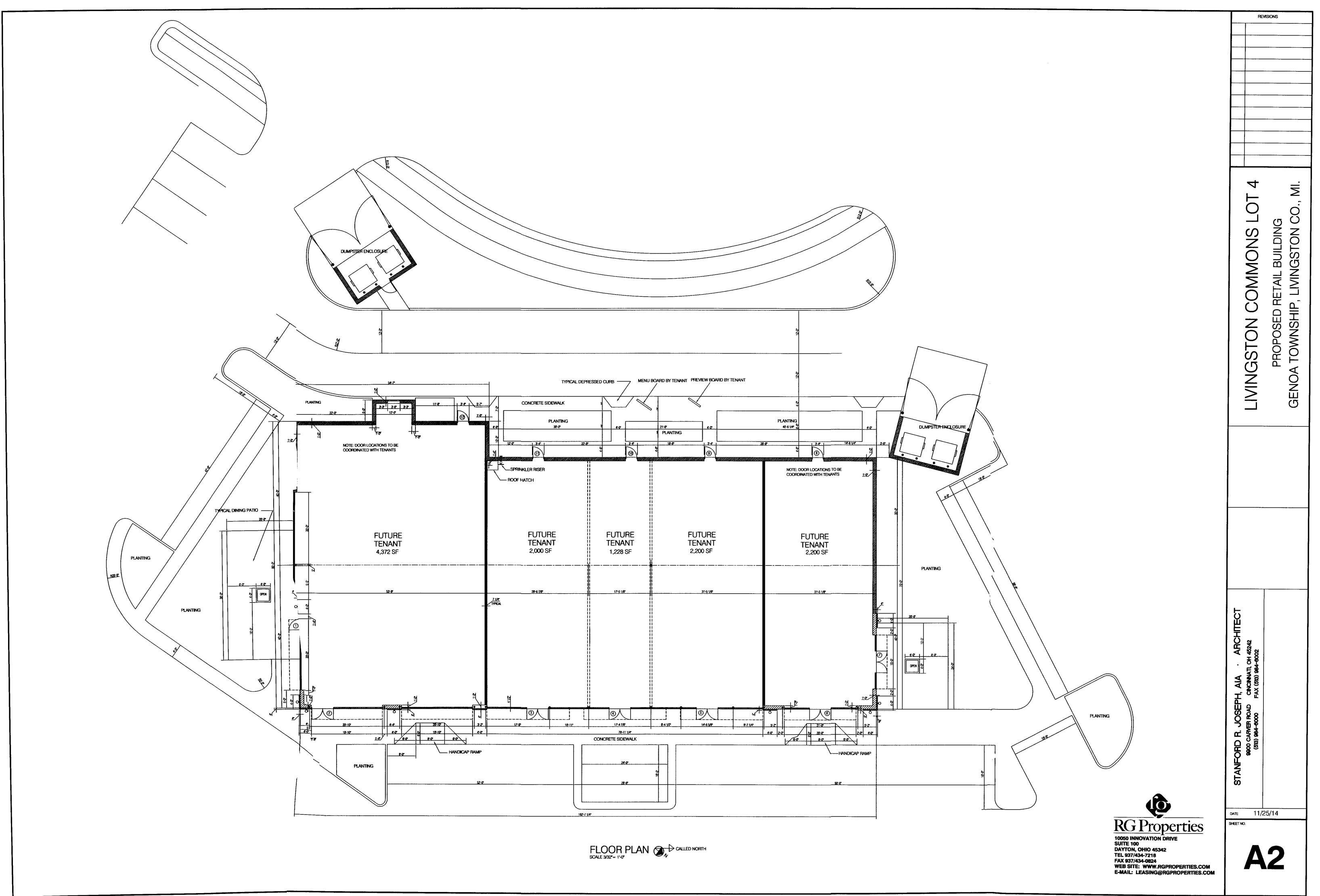
ACCEPTANCE.

NO SCALE

THICKNESS)







GENOA CHARTER TOWNSHIP PLANNING COMMISSION PUBLIC HEARING JANUARY 12, 2015 6:30 P.M. MINUTES

<u>CALL TO ORDER</u>: The meeting of the Genoa Township Planning Commission was called to order at 6:30 p.m. Present were Chairman Doug Brown, James Mortensen, Barbara Figurski, Eric Rauch, and Chris Grajek. Absent was John McManus. Also present were Kelly VanMarter, Township Community Development Director and Assistant Township Manager; and Brian Borden of LSL.

<u>PLEDGE OF ALLEGIANCE</u>: The Pledge of Allegiance was recited.

<u>APPROVAL OF AGENDA</u>: Ms. Figurski moved to approve the agenda. The motion was supported by Mr. Mortensen. **Motion carried unanimously.**

<u>ELECTION OF OFFICERS</u>: Chairman Brown asked whether the election of officers should be postponed with the absence of Mr. McManus. It was decided that Ms. VanMarter would call for a motion. Ms. VanMarter made a call for a motion for a chair, vice chair, and secretary. Mr. Mortensen made a motion that the incumbents be elected as officers: Doug Brown as Chair, Diana Lowe as Vice Chair and Barbara Figurski as Secretary. Diana Lowe seconded. **Motion carried unanimously.**

CALL TO THE PUBLIC: A call to the public was made with no response.

OPEN PUBLIC HEARING #1... Review of sketch plan for a proposed 12,439 sq. ft. church and coffee shop to occupy space within the multi-tenant building located at the northwest corner of Grand River Avenue and Genoa Business Park Drive (2394 Genoa Business Park Drive), Brighton, Michigan 48114, parcel # 4711-13-103-001. The request is petitioned by The Well c/o Lindhout Associates.

Ms. Holly Osterhout of Lindhout Associates addressed the Planning Commission on behalf of the petitioner. The Well currently resides at 7191 Grand River Ave. In line for ownership of the retail center at 2394 Genoa Business Park Drive, they are looking to relocate to this building with current tenants remaining. The church is interested in the empty portion of the building. The Grand River Grill and The Well church will need shared use of the parking area on Sundays which was the impetus for the sketch plan review. Currently, a mortgage company and dental office are also housed at the location. The floor plan was reviewed.

There is a parking agreement under development with the neighboring Cross Pointe office building, which currently contains eight tenants, one tenant is open on Sundays, an urgent care. Therefore a large area of parking is available on Sunday. Staff members are to park in designated parking in the back of the church building. Chairman Brown asked about worshippers who arrive late on Sundays, potentially parking in the restaurant spaces. Is there parking available at PDQ parking? People will park where

they feel like parking. Ms. Osterhout indicated that the congregation is aware of the parking needs and the worshippers will park in good faith.

Mr. Mortensen indicated that the parking calculation appears to include existing uses plus the worship service. The church is now the restaurant's landlord and will not want an unhappy tenant. Mr. Grajek indicated that the biggest issue might be that once parking spots fill up, there may be traffic flow issues.

Ms. Osterhout indicated that the engineer review requested a copy of an impact assessment; however, Ms. VanMarter indicated to her that an impact assessment is not usually required for a sketch plan. The utilities REU square footage calculation is less for a church than it would be for retail. Regarding ADA compliance, the sidewalk is in a private easement and is not required to be a barrier free sidewalk. The site is required to have six barrier free spaces and that is already provided. The church does not want to encourage wheel chair worshippers to cross the parking lot. The parking lot could be re-striped if additional wheel chair access is needed.

Mr. Rauch asked how many barrier free parking spaces are required on the Cross Pointe property? Ms. Osterhout indicated that their total includes the Cross Pointe parking area.

Chairman Brown indicated that previous environmental impact assessments should be available through the Township which would help to complete that project if needed. Mr. Markstrom indicated that pedestrian flow was the concern in the review. Some designation of a crosswalk there would be helpful to alert drivers of increased pedestrian flow. Mr. Markstrom encouraged white striping on the pavement.

Mr. Borden indicated that the ordinance does permit shared parking and that to satisfy the ordinance there is a requirement for a signed document between property owners. Also additional details should be spelled out demonstrating to the Commission that the shared parking will actually work; for instance, how shared usage by both property sites might occur during weekday hours.

Chairman Brown asked about additional metrics. How many parishioners are there and what other uses might the church have during the week? Ms. VanMarter asked about weddings and funerals.

Pastor Jeff Waterman was present to address the Commission. Sunday mornings have approximately 200 people who attend across two services. During the week there is a Wednesday night service and a Thursday night group which meets. Youth and college age student groups meet and these events include about 25 attendees. There is also a fitness class. Regarding weddings and funerals, these activities are generally outsourced to other facilities that are better equipped to handle them. An Agreement exists with Cornerstone Presbyterian.

Mr. Rauch asked about a parking team. Pastor Waterman indicated that there is an active team. Coning is done. Also, early morning band members are encouraged to park in more inconvenient spaces. The church envisions that this will be a temporary location and that expansion is planned into a different facility at some future date. The building is a gift from someone and use is planned for a few years. With no plan to expand use at this location, the footprint is expected to remain the same.

Ms. VanMarter asked about the ADA standards and how someone in a wheelchair who is at Cross Pointe might make it over to the restaurant. Ms. Osterhout indicated that the intention is to not encourage wheelchair use through the parking lot area. It would be encouraged that someone would get in their car at Cross Pointe and then park again nearer the restaurant. Ms. VanMarter indicated that good weather might encourage folks to attempt to cross the parking lot and asked about existing ramps and whether or not a ramp might be installed. Ms. Osterhout stated that the current proposal is in compliance with the ADA, meeting barrier-free code and building code. Mr. Markstrom indicated that ramps eliminate a trip hazard and cost a few hundred dollars more. Ms. Osterhout indicated the church is on a strict budget for the build-out.

Pastor Waterman indicated that the church would do whatever the commission and the architectural firm believes is right. Ms. Osterhout indicated that a ramp may reduce the parking lot by one space. Pastor Waterman reiterated that the code is being met.

Chairman Brown indicated that the fire department is interested in 6" high letters and the lockbox. Ms. Osterhout indicated that this would be complied with. Chairman Brown asked if the petitioner was fully aware of the connection fees. The Pastor indicated that the connection fees have been noted.

A call was made to the public with no response.

Planning Commission disposition of petition

A. Disposition of Sketch Plan. (12-18-14)

Mr. Mortensen moved to approve the sketch plan dated December 18, 2014 for a church and coffee shop at 2394 Business Park Drive, subject to the following:

- 1. The applicant will provide a shared parking agreement for 68 spaces in a form satisfactory to Township staff prior to the granting of the land use permit.
- 2. Should the use of this facility change or expand beyond the existing parking limitations, a site plan review may be required by the Planning Commission and possibly the Township Board.
- 3. Because of the parking limitations, the church will appoint a parking team from the congregation to facilitate parking in the safest manner possible.
- 4. Appropriate markings will be applied to the southern end of the crosswalk to the neighboring property such as white striping to improve safety of pedestrians.
- 5. The requirements of the Township engineer will be complied with and in addition a copy of the environmental impact assessment prepared originally for the site will be reviewed jointly by the applicant and Township staff to ensure its' applicability.
- 6. The requirements of the Brighton Area Fire Authority spelled out in their letter dated December 29, 2014 will be complied with.
- 7. Signage will be in accordance with the Township sign ordinance and will require Township staff approval.
- 8. Township staff will review existing landscaping, dumpsters, and lighting to ensure that they are in compliance with existing standards.

Supported by Ms. Lowe. Motion carried unanimously.

OPEN PUBLIC HEARING #2... Review of a site plan, environmental impact, and PUD amendment for a proposed redevelopment of an existing outparcel to demolish the existing Bennigan's Restaurant and construct a new 12,000 sq. ft. multi-tenant building, located at 3950 E. Grand River Avenue, Howell, Michigan 48443, parcel # 4711-05-400-047. The request is petitioned by RG Properties, Inc.

Mr. Jim Blair of RG Properties addressed the Planning Commission on behalf of the petitioner. Bennigan's is closing its doors and as a result RG Properties will be getting the property back, which leads to this evening's proposal. This brings changes to the Phase 1 PUD, including incorporating the new Red Olive restaurant building. RG Properties will also become the sub-lessee of the adjacent Walmart owned parking area, which permits improvements to be made to that area as well.

The proposed building is primarily brick and masonry with some EIFS, which includes wood-grain tile on the front façade to provide for the corporate branding of a Panera Bread Restaurant. Two rows of parking in the front are also part of the PUD amendment. Another change includes an entry feature which acknowledges the Township. RG Properties has worked exhaustively with Township staff to find a location for this feature. MDOT and the Livingston County Road Commission indicate they will not allow the sign within the right of way.

Ms. VanMarter stated that the original PUD called for Latson Road to be shifted to the West. This permitted a gateway entry sign. Then when the Phase 2 PUD came in, the sign was proposed to be included near the I-96 ramp. However, the final grading is much lower than anticipated and the sign could be put there but would be too low to be visible.

Mr. Mortensen indicated that another proposal of equal value might be required of the petitioner. Mr. Blair indicated that no cost estimates were assumed previously.

Mr. Grajek indicated that the Commission is interested in seeing a gateway sign. Ms. VanMarter explained the original proposal in Phase 1 was that the sign would exist on Lot A. Lot A is currently owned by RG Properties. The original Phase 1 rendering of the sign was shown.

Chairman Brown asked about the amount of land the original sign might have required. Mr. Blair indicated that due to the lack of scale, an estimate is difficult. Ms. VanMarter indicated that RG Properties was to build the sign. Genoa Township was to maintain it. Phase 2 moved the sign nearer the ramp. In Phase 1, the sign was in the Lot-A vicinity. Mr. Blair indicated the recently proposed sign could be dressed up with endcaps and landscaping with uplighting to illuminate it in the evenings as shown in the original Phase 1 rendering.

Chairman Brown indicated that it was his belief that both signs would be provided. Mr. Blair indicated that RG Properties is obligated to provide one.

Referring to the building façade, Mr. Borden indicated that the wood grain tiles are a bit unusual and there is a lot of EIFS. The requirement is 80 percent natural materials. The front of the building does not meet 80 percent though the entire building does appear to meet it. The rear façade will be highly visible. Perhaps wrapping the façade around the building is a possibility. The front of the building should be upgraded to increase appeal.

Mr. Blair indicated that the cornice could be brought to the back of the building to the parapet height. Some shadow lines, a transom window effect could also be included. The building currently meets the natural materials requirement. The overall building exceeds the 80 percent outlined in the agreement.

Mr. Mortensen indicated that at issue is the artistic part of the building. Mr. Blair indicated that material samples were not available for tonight's meeting. Mr. Rauch indicated that the EIFS might mainly be covered by signage and asked about the drive thru. Mr. Blair indicated that the drive thru has been moved to the back of the building to maintain the proper stacking for the drive thru. Mr. Rauch asked whether roof-top units would be hidden. Mr. Blair indicated roof top units would not be visible except one. The one could be concealed. Mr. Rauch indicated that the back of the building is an issue. Mr. Blair indicated that the middle of the parapet in the back could be raised. Mr. Rauch asked if there was consideration for metal canopies instead of cloth. Mr. Grajek indicated that the aesthetic needs of the façade are not satisfied. The parapets certainly help. More architectural character is desirable.

Mr. Borden stated he would like to see both signs, if possible. The Genoa sign feature at the corner of Latson and Grand River would enhance the corridor. There is also a question about proposed drive thru use.

Mr. Mortensen indicated that the amendment for Phase 2 did allow a drive thru as a special use. Isn't that a change in the language for the rest of the PUD? The concern with a drive thru at the neighboring Red Olive location is safe access to Grand River.

Mr. Borden asked whether it is necessary to retain the Grand River curb cut at the Red Olive site. A drive thru might be provided if internal access was provided.

Chairman Brown indicated that the space is not available for a drive thru. It's too close to other driveways. Other Red Olive Restaurants do not have this feature. Why is this right-in, right-out desired?

Mr. Jim Barnwell of Desine, Inc. addressed the Commission on behalf of Red Olive. The original intent was to use the Grand River access point as the main access to the property. The drive way is 50 feet in length. There are mature trees present on the property. Most customer traffic will be coming from Grand River. Mr. Mortensen asked who owns the drive. The driveway is part of an easement on the bank's property which predates the bank ownership. The bank does not utilize the driveway. Chairman Brown indicated that the curb cut may be dangerous.

An aerial of the property was presented and the trees were identified.

Mr. Carl Volmer of the Pucci & Volmer architectural firm addressed the commission on behalf of Red Olive, stating that one of the reasons for the purchase of the property was the curb cut.

Mr. Borden indicated that additional considerations for the Bennigan's Lot 4 re-development include the double row parking at the front of the building. Mr. Blair

indicated that inconvenient parking will turn customers away. People do not want to walk far. They just won't go. Half of one row is patio area for a potential restaurant owner. Chairman Brown asked what happens in off season. Mr. Blair stated that it would be a raised concrete patio. Ms. Figurski asked if Panera Bread was requesting a drive thru. Mr. Blair indicated that Panera Bread is making that request.

Mr. Rauch asked if consideration was given to making the building L-shaped. Mr. Blair indicated that the building was considered and it didn't layout well at that site.

Mr. Borden indicated that there are parking setbacks in the ordinance. However, the ordinance does permit the Commission to waive the setback. It will need authorization by the Commission. Also, the three wall signs being requested for tenants are not permitted by the ordinance. We need to be clear that the Township is not granting a third sign. Further, there are three outdoor patios proposed. This requires additional features such as tables, trash cans, umbrellas, chairs, which might benefit from administrative approval in the future. Ms. VanMarter indicated that this is a requirement in the ordinance.

Mr. Borden cautioned that some consideration might be given for product advertising which could be placed on outdoor umbrellas in the future. Mr. Rauch asked about what flags would fly on the proposed Genoa gateway feature. Mr. Blair indicated that the American flag is flying at all other RG Properties locations and it will be good to add this one.

Discussion took place regarding the Red Olive site. Ms. VanMarter indicated that the original PUD prohibits the use of Grand River access if internal access to the PUD takes place. Chairman Brown asked if there is an economic reason to have the driveway available to Grand River. Mr. Barnwell indicated that the Grand River curb cut is a convenience issue for customers. The Ann Arbor Red Olive access is internal and it is one of the slower selling stores.

Mr. Mortensen asked about the driveway easement for Red Olive. Ms. VanMarter indicated that driveway exists on an exclusive easement on property owned by the bank. An attorney would need to weigh in but it is the property of the bank. Mr. Barnwell indicated that the applicant was originally planning a standalone parcel not an annexation into the PUD.

Mr. Mortensen acknowledged that the Lot 4 multi-tenant building site is an important corner in the Township. And it might be important that building materials match the existing buildings in the PUD.

A call was made to the public with no response.

Planning Commission disposition of petition

- A. Recommendation regarding PUD Agreement Amendment.
- B. Recommendation of Environmental Impact Assessment. (12-01-14)
- C. Recommendation of Site Plan. (12-23-14)

Mr. Mortensen moved to table the site plan dated December 23, 2014 and the environmental impact assessment dated December 1, 2014, for a redevelopment of the

existing Bennigan's Restaurant to construct a new 12,000 sq. ft. multi-tenant building, located at 3950 E. Grand River Avenue, based on the following:

- 1. Requests by Commission of upgrade of materials and to the building.
- Revisions to the submitted PUD Agreements to address issues regarding the lack of entrance sign to the Township in the vicinity of the Latson Road interchange crossing
- 3. Concerns in the PUD Agreement regarding continuation of the access to Grand River for the Red Olive property.
- 4. Improve the look of the building on this marquee corner and dress up the back of the building.

Supported by Ms. Figurski. Motion carried unanimously.

Mr. Grajek indicated that as a marquee location in our community, there are many ways that this corner could be featured. The back of the building is something that could benefit from negotiation. The front façade is a big concern. Mr. Mortensen indicated that a staff meeting might take place with three members of the Planning Commission present.

OPEN PUBLIC HEARING #3... Review of a rezoning, PUD amendment, site plan, and environmental impact assessment for a proposed 3,848 sq. ft. Red Olive Restaurant, located at 3838 E. Grand River Avenue, Howell, # 4711-05-400-025. The request is petitioned by PKJJ, LLC.

Mr. Jim Barnwell of Desine, Inc. addressed the Planning Commission on behalf of the petitioner. The existing building was built in the middle of a farm field in the 1990s. Current conditions were caused by others and not the property owners. The current owner's intent behind the recent purchase was to not become part of the PUD. The petitioner recognizes the desire of the Township and RG Properties to incorporate the parcel into the PUD. The petitioner would like to keep a right-in right-out access to Grand River and join the PUD. The existing building will be removed. The petitioner would like to preserve the existing landscaping as much as possible. The proposed building is approx. 1,000 sq. ft. larger than the existing building, predominantly brick and stone. There is no drive-thru proposed. The petitioner is asking for a sign in the front and in the rear. The engineer and fire department concerns are readily complied with. Proposed parking provides what is required. Larger vehicles are not expected at this sitdown restaurant. Vegetation is grown and substantial on both sides. The intent of the ordinance is met though the landscaping requirement is not quite met.

Mr. Borden indicated that point number one in his letter can be stricken regarding use calculations. Also, there are some parallel parking spaces in the parking lot. Parallel parking is difficult for most people and is somewhat unusual. The southerly space would be difficult to use. Mr. Barnwell indicated that employees would be parking in the parallel spaces. The possibility of angled parking was discussed. Snow storage would be in the corners of the lot.

Mr. Borden indicated that becoming part of the PUD will permit shared parking within the PUD. There are some deficiencies in the landscaping plan but the applicant's intent is to preserve what is there which helps accommodate those deficiencies. New plantings are proposed within the easement areas with authorization needed by the owner of the easement, unless the easement already provides for this. The proposed waste receptacle requires authorization of the Commission due to side yard encroachment. There are two signs being requested.

Mr. Markstrom indicated that the petitioner has addressed a number of items already on the site plan. One issue with a fire hydrant is being addressed.

Mr. Grajek commended the petitioner for creating a workable and acceptable plan in a tough spot. Mr. Mortensen indicated that language should be added to the effect that there would be no drive thru on this site. Ms. VanMarter indicated that the PUD can be approved to indicate that items apply to Red Olive only.

A call was made to the public with no response.

Planning Commission disposition of petition

- A. Recommendation regarding Rezoning from RCD to NR-PUD.
- B. Recommendation of PUD Agreement Amendment.
- C. Recommendation of Environmental Impact Assessment. (04-25-14)
- D. Recommendation of Site Plan. (12-17-14)

Mr. Mortensen moved to approve the rezoning, site plan dated December 17, 2014, and environmental impact assessment dated April 25, 2014 for a 3,848 sq. ft. Red Olive Restaurant, located at 3838 E. Grand River Avenue, formerly Prairie House, from RCD to NR-PUD for the following reasons:

- 1. The Commission finds this rezoning is compatible with the PUD zoning of the neighboring properties and is an improvement of the site.
- 2. The request is consistent with requirements in Article 10.

Supported by Ms. Figurski. Motion carried unanimously.

Mr. Mortensen moved to approve those paragraphs within the PUD Amendment which specifically apply to the Prairie House location with the addition of a restriction that this particular site will not be eligible for a drive thru. Seconded by Diana Lowe. **Motion carried unanimously.**

Ms. Figurski moved to recommend the environmental impact assessment dated April 25, 2014. Seconded by Ms. Lowe. **Motion carried unanimously.**

Mr. Mortensen moved to recommend to the Township Board approval of the site plan based on the following:

- 1. The off street parallel parking spaces will be marked "Employee Only."
- 2. Discrepancies in the landscape plan will be fixed.
- 3. The applicant will supply the Township with written proof regarding planting trees on the property to the east.
- 4. Plans will be modified to clarify where the ornamental lighting will be installed.
- 5. The requirements of the Township engineer dated January 6, 2014, regarding the proposed hydrant and the water main easements will be complied with.

- 6. Brighton Area Fire Authority has concluded their requirements have been complied with in their letter dated December 29, 2014.
- 7. The signage as requested on the site plan are recommended for approval by this Commission.

Seconded by Mr. Rauch. Motion carried unanimously.

OPEN PUBLIC HEARING #4... Request to table site plan, special use, and environmental impact assessment for a proposed new 22,600 sq. ft. industrial building used to sort, warehouse, and distribute batteries, located at 5900 Brighton Pines Court, Howell, Michigan 48443, parcel # 4711-15-200-031. The request is petitioned by Brivar Construction Company.

Planning Commission disposition of petition

A. Table request to February 9, 2015 meeting.

Ms. Figurski moved to table this public hearing at the request of the applicant.

Supported by Mr. Grajek. Motion carried unanimously.

Administrative Business:

- Staff report: Battery Solutions is proposing an addition and Chestnut Properties is proposing an office complex. These are currently planned for the February meeting agenda.
- Approval of December 8, 2014 Planning Commission meeting minutes. Motion by Ms. Figurski to approve the minutes as amended. Support by Ms. Lowe. **Motion carried unanimously.**
- Member discussion
- Adjournment: The meeting adjourned at 9:26 p.m.



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

То:	Township Board		
Cc:	Planning Commission		
From:	Kelly VanMarter, Assistant Township Manager/ Community Development Director		
Date:	January 14, 2015		
Re:	Planning Commission Annual Report for 2014		
Manager Review:			

In accordance with P.A. 33 of 2008, as amended, MCL 125.3801 et seq Michigan Planning Act, please find the attached annual report regarding Planning Commission activities for 2014. Please feel free to contact me if you have any questions. The report is provided as follows:

<u>Special Use Permits</u>: The Planning Commission recommended approval of 4 special use requests.

Sketch Plans: The Planning Commission approved 7 sketch plans.

Site Plans: The Planning Commission approved 5 site plans.

<u>PUD Agreements</u>: The Planning Commission recommended approval of 1 new and 2 amended PUD agreements.

Rezoning: The Planning Commission recommended approval of 1 rezoning.

Zoning Ordinance: The Planning Commission recommended approval of zoning ordinance text amendments regarding tent sales and temporary events.

TREASURER Robin L. Hunt

Paulette A. Skolarus

SUPERVISOR Gary T. McCririe

CLERK

MANAGER Michael C. Archinal

TRUSTEES

H. James Mortensen Jean W. Ledford Todd W. Smith Linda Rowell events. Sincerely,

Kelly VanMarter Assistant Township Manager/Community Development Director

2014 Planning Commission Annual Report

Case #	Project Name	Review Type	Action
	MEETING CANCELLED		
	MEETING CANCELLED		
14-01	Latson Elementary Rezoning	Rezoning, PUD	Recommended Approval
14-02	Zoning Ordinance Amendment: Tent Sales & Temp Events	Zoning Amendment	Recommended Approval
14-03	NorthRidge Church Façade Improvements	Sketch Plan	Approved
	MEETING CANCELLED	-	
14-06	Lipkin Medical Building	Site Plan	Approved
14-07	Champion Chevrolet Addition	Sketch Plan	Approved
14-05	Buffalo Wild Wings Addition	Site Plan	Approved
14-08	USA2GO Building	Site Plan & Special Use	Recommended Approval
14-09	Wellbridge Parking Expansion	Site Plan	Approved
14-10	Joseph Auto Renovation	Sketch Plan & Spec Use	Recommended Approval
14-11	Grace & Porta Addition	Sketch Plan	Withdrawn by Petitioner
14-12	Timber Green Site Condo PUD Amendment	PUD Amendment	Tabled
14-12	Timber Green Site Condo PUD 2 nd Amendment	PUD Amendment	Recommended Approval
14-13	Northridge Church Backstage Addition	Sketch Plan	Approved
14-14	ChemTrend Façade Improvements	Sketch Plan	Approved
14-15	Cleary University Student Housing	Site Plan & Spec Use	Recommended Approval
	 14-01 14-02 14-03 14-03 14-03 14-05 14-05 14-05 14-08 14-10 14-12 14-12 14-12 14-12 14-12 14-12	MEETING CANCELLEDMEETING CANCELLED14-01Latson Elementary Rezoning14-02Coning Ordinance Amendment: rent Sales & Temp Events14-03NorthRidge Church Façade Improvements14-04MEETING CANCELLED14-05Ipkin Medical Building14-05Buffalo Wild Wings Addition14-05Suffalo Wild Wings Addition14-08Vellbridge Parking Expansion14-109Joseph Auto Renovation14-101Grace & Porta Addition14-11Timber Green Site Condo PUD Amendment14-12Northridge Church gackstage Addition14-13Northridge Church Backstage Addition14-14ChemTrend Façade Improvements14-15Cleary University	MEETING CANCELLEDMEETING CANCELLED14-01Latson Elementary RezoningRezoning, PUD14-02Zoning Ordinance Amendment: Tent Sales & Temp EventsZoning Amendment14-03NorthRidge Church Façade ImprovementsSketch Plan14-04MEETING CANCELLED14-05ILpkin Medical BuildingSite Plan14-06Lipkin Medical BuildingSite Plan14-07Champion Chevrolet AdditionSketch Plan14-08USA2GO BuildingSite Plan14-09Wellbridge Parking ExpansionSite Plan14-10Joseph Auto RenovationSketch Plan14-11Grace & Porta AdditionSketch Plan14-12Timber Green Site Condo PUD AmendmentPUD Amendment14-12Northridge Church Backstage AdditionPUD Amendment14-13Northridge Church Backstage AdditionSketch Plan14-14ChemTrend Façade ImprovementsSketch Plan14-15Cleary UniversitySite Plan

Nov 10	14-04	Red Olive Restaurant Building	Site Plan, PUD Amendment, Rezoning	Tabled
	14-17	Batter Up Baseball Facility	Sketch Plan & Spec Use	Recommended Approval
Dec 8	14-04	Red Olive Restaurant Building	Site Plan, PUD Amendment, Rezoning	Tabled
	14-12	Timber Green Site Condo PUD 3 rd Amendment	PUD Amendment	Recommended Approval
	14-16	Brighton Water Tower Collocation	Sketch Plan	Approved

Updated 01/14/15