GENOA CHARTER TOWNSHIP PLANNING COMMISSION PUBLIC HEARING JULY 22, 2013 6:30 P.M. AGENDA

CALL TO ORDER:

PLEDGE OF ALLEGIANCE:

INTRODUCTIONS:

APPROVAL OF AGENDA:

CALL TO THE PUBLIC:

OPEN PUBLIC HEARING #1... Review of site plan, special use, and environmental impact assessment for proposed 16,120 square-foot gymnasium and classroom addition for Brighton Nazarene Church, located at 7669 Brighton Road in Section 25, petitioned by Brighton Nazarene Church.

Planning Commission disposition of petition

- A. Recommendation of Special Use
- B. Recommendation of Environmental Impact Assessment.
- C. Recommendation of Site Plan.

Administrative Business:

- Staff report
- Approval of June 10, 2013 Planning Commission meeting minutes
- Member Discussion
- Adjournment

GENOA TOWNSHIP APPLICATION FOR SITE PLAN REVIEW

TO THE GENOA TOWNSHIP PLANNING COMMISSION AND TOWNSHIP BOARD:
APPLICANT NAME & ADDRESS*: Brighton Nazarene Church
OWNER'S NAME & ADDRESS: Same as applicant
SITE ADDRESS: 7669 Brighton Rouel PARCEL #(s): 4711-25-400-058 Brighton, Mi 4816
APPLICANT PHONE: (<u>610) 237-6600</u> OWNER PHONE: ()
LOCATION AND BRIEF DESCRIPTION OF SITE: North side of Brighton Road
west of Worden Lake Woods. The site is currently occupied by Briston Nazarene Church.
BRIEF STATEMENT OF PROPOSED USE: New gymnasium and Sunday
School Classrooms. The existing Church use
THE FOLLOWING BUILDINGS ARE PROPOSED: Expansion of the existing Church to include a new anona sizem and additional
Sunday School classrooms.
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 Cary Chrosoft
ADDRESS: 7669 Brighton Ret., Brighton Mi 48116

* If applicant is not the owner, a letter of Authorization from Property Owner is needed.

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

1.) Brentl Name	La Vai	rway	_of/	3035	Evg / Business	ineer Affiliation	ring	at_(5 1	' 7 <u>54</u>2 Fax No.	8-16;	20
C1940022035 NOVYMAL2013											

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: Stey Misjon DATE: 5/20/13
PRINT NAME: GARY ANSCOME PHONE:
TRINT WAVE STREET TON OPPORE PHONE
ADDRESS: 7669 Brighten Road Brighten, Mi48116

Page 1 of 9

APPLICATION FOR SPECIAL LAND USE GENOA TOWNSHIP
APPLICANT NAME* & ADDRESS: Brighton Nazarene Church
OWNER NAME* & ADDRESS: Same as applicant
SITE ADDRESS: 7669 Brighten Road PARCEL #(s): 4711-25-400-058 Brighton, M: 48176
APPLICANTPHONE: (
Location and brief description of site and surroundings: <u>Subject site is existing Church Facility-WordenLake</u> <u>Noods single family residential development is to the</u> east.
Proposed Use: <u>Facility expansion for new gymnasium and additional</u> <u>Sunday school classrooms</u>
Describe how your request meets the Zoning Ordinance General Review Standards (section 19.03):

a. Describe how the use will be compatible and in accordance with the goals, objectives, and policies of the Genoa Township Comprehensive Plan and subarea plans, and will promote the Statement of Purpose of the zoning district in which the use is proposed.

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b. Describe how the use will be designed, constructed, operated, and maintained to be compatible with, and not significantly alter, the existing or intended character of the general vicinity.

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c. How will the use be served adequately by essential public facilities and services such as highways, streets, police and fire protection, drainage structures, water and sewage facilities, refuse disposal and schools?

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d. Will the use involve any uses, activities, processes, or materials potentially detrimental to the natural environment, public health, safety, or welfare by reason of excessive production of traffic, noise, vibration, smoke, fumes, odors, glare, or other such nuisance? If so, how will the impacts be mitigated?

substances. Unimal trattic maci Fundou ha

Does the use have specific criteria as listed in the Zoning Ordinance (sections 3.03.02, 7.02.02, & 8.02.02)? e. If so, describe how the criteria are met.

Yes, all criteria are met except est approximately 8 feet of the eas ine

I HEREBY CERTIFY THAT ALL INFORMATION AND DATA ATTACHED TO AND MADE PART OF THIS APPLICATION ARE TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE AND BELIEF. I AGREE TO DESIGN, CONSTRUCT AND OPERATE, AND MAINTAIN THESE PREMISES AND THE BUILDINGS, STRUCTURES, AND FACILITIES WHICH ARE GOVERNED BY THIS PERMIT IN ACCORDANCE WITH THE STATED REQUIREMENTS OF THE GENOA TOWNSHIP ZONING ORDINANCE, AND SUCH ADDITIONAL LIMITS AND SAFEGUARDS AS MAY BE MADE A PART OF THIS PERMIT.

THE UNDERSIGNED <u>*bary*</u> Anscombe</u> States that they are the free owner* of the property of properties described above and makes application for this special land use permit.

Brighton Road Brighton, Mi 48116 ADDRESS: 7669

*Submit a letter of Authorization from Property Owner if application is signed by Acting Agent.

Contact Information - Review Letters and Correspondence shall be forwarded to the following:								
1) Brent La Vanue	y of Boss	Engineering	at (517) 548-1670					
Name	7	Business Affiliation	Fax No.					

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

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 Long lug con DATE 5/29/13
PRINT NAME GARLA ANSCOMBE PHONE
ADDRESS: 7669 Brighton Road Brighton, Mi 48116



Community Planning Consultants

July 15, 2013

Planning Commission Genoa Township 2911 Dorr Road Brighton, Michigan 48116

Attention:	Kelly Van Marter, AICP
	Assistant Township Manager and Planning Director
Subject:	Brighton Nazarene – Special Land Use and Site Plan Review #2
Location:	7669 Brighton Road – northwest corner of Brighton and Aljoann Roads
Zoning:	SR Suburban Residential District

Dear Commissioners:

At the Township's request, we have reviewed the revised site plan (dated 7/2/13), as well as the application for special land use (dated 5/29/13) proposing a 16,120 square foot addition to the existing Brighton Nazarene Church located at 7669 Brighton Road. The subject site, as well as adjacent properties are zoned SR Suburban Residential District. We have reviewed the proposal in accordance with the applicable provisions of the Genoa Township Zoning Ordinance and Master Plan.

A. Summary

- 1. In our opinion, the general special land use standards of Article 19 and the specific use conditions of Article 3 are met; however, any issues raised by the Township Engineer must be addressed.
- 2. The Planning Commission has approval authority over the building elevations. We request the applicant confirm that proposed materials and colors will match the existing building. The applicant should also provide an elevation view of the west side of the proposed addition.
- 3. The Township may wish to request additional details regarding the overflow parking arrangement with Brighton High School.
- 4. The Township may wish to require additional landscaping to break up large expanses of pavement.
- 5. Cut sheets of proposed light fixtures must be provided.
- 6. The Township may wish to request details of existing light fixtures to ensure compliance with current standards.

B. Proposal/Process

The applicant requests special land use and site plan review/approval for a 16,120 square foot addition to the existing Brighton Nazarene Church. The proposed addition is intended for a gymnasium and additional Sunday School classrooms.

Table 3.03 of the Township Zoning Ordinance lists churches as special land uses in the SR District. In accordance with Section 19.06, the proposed addition has been deemed a major amendment to an existing special land use. Therefore, a new application for special land use approval is required in addition to the need for site plan review/approval. Churches are also subject to the use conditions of Section 3.03.02(l).

Following a public hearing, the Planning Commission may forward its recommendation on both the special land use and site plan to the Township Board for their consideration.

Genoa Township Planning Commission Brighton Nazarene Church Special Land Use and Site Plan Review #2 Page 2



Aerial view of site and surroundings (looking west)

C. Special Land Use Review

Section 19.03 of the Zoning Ordinance identifies the review criteria for Special Land Use applications as follows:

1. Master Plan. The Master Plan and Future Land Use Map identify the site and adjacent properties to the east and west as Low Density Residential. This classification is generally intended for single-family development on lots with at least 1-acre in area.

While the description in the Plan does not reference institutional uses specifically, there is an overall goal to "accommodate a variety of land uses that are located in a logical pattern and complement community goals, the surrounding land uses, environment, capacity of roads and the sanitary sewer, and public water system capabilities."

In our opinion, the proposed project is consistent with this goal statement as an expansion to an existing institutional use in an area containing a mix of residential and other non-residential uses.

- 2. Compatibility. The site is located on the north side of Brighton Road in an area already developed with a mix of institutional and single-family residential land uses. Brighton High School, a larger and more impactful institutional use, is located across Brighton Road to the south and east. Given the established land use pattern in this area of the Township, the proposed building addition is generally expected to be compatible with surrounding land uses.
- **3. Public Facilities and Services.** The Impact Assessment notes that the site is currently served by public water and a septic system. The project engineer also indicates that they have met with the County Drain Commissioner to ensure appropriate stormwater management.

The site has access to a paved public roadway and the proposed addition is not expected to generate a substantial amount of additional traffic since its use will coincide with use of the existing facility. With that being said, the applicant must address any comments provided by the Township Engineer with respect to this criterion.

- **4. Impacts.** The project area is located where a parking lot currently exists and is not expected to impact existing environmental features (Worden Lake is several hundred feet to the north).
- **5. Mitigation.** If any additional concerns arise as part of this review process, the Township may require mitigation necessary to limit or alleviate any potential adverse impacts as a result of the proposed project.

D. Use Conditions

Section 3.03.02(1) provides the following use conditions related to churches:

1. Minimum lot area shall be three (3) acres plus an additional fifteen thousand (15,000) square feet for each one hundred (100) persons of seating capacity.

The calculations on Sheet 3 identify an existing capacity of 520 seats in the worship area. This calculation requires a minimum lot area of roughly 5 acres, while the site contains 15.8 acres (net).

This condition is met.

2. Buildings of greater than the maximum height allowed in Section 3.04, Dimensional Standards, may be allowed provided front, side and rear yards are increased above the minimum required yards by one foot for each foot of building height that exceeds the maximum height allowed. The maximum height of a steeple shall be sixty (60) feet.

The elevation drawings submitted provide a building height of approximately 23 feet for the proposed addition; Section 3.04 establishes a maximum building height of 35 feet.

This condition is met.

3. Wherever an off-street parking area is adjacent to a residential district, there shall be a minimum parking lot setback of fifty (50) feet with a continuous obscuring wall, fence and/or landscaped area at least four (4) feet in height shall be provided. The Township Board may reduce this buffer based on the provision of landscaping, the presence of existing trees or in consideration of topographic conditions.

The site is adjacent to residential zoning (SR District) on each side. Much of the existing parking lot encroaches into the 50-foot setback along the east side; however, there is also an existing buffer area containing landscape screening in the form of several tightly spaced evergreen trees.

Furthermore, the northerly parking area, which includes a new paved parking lot, meets or exceeds the required setback from both side lot lines, as well as the rear lot line.

This condition is met.

4. Private schools and child day care centers may be allowed as an accessory use to churches, temples and similar places of worship where the site has access to a paved public roadway.

The proposed building addition contains classrooms, although as noted in the Impact Assessment they are intended for Sunday School and not a separate private school. Regardless, the site has access to a paved public roadway.

This condition is met.

E. Site Plan Review

1. Dimensional Requirements. As described in the table below, the project complies with the dimensional standards of the SR District:

	Lot Size		M	linimum Setback	Max.		
District	Lot Area (acres)	Width (feet)	Front Yard	Side Yard	Rear Yard	Height	Lot Coverage
SR	1	100	40	20	50	35'	20% building 35% impervious
Proposal	15.8	331	207 (existing)	26.8 (proposed)	214 (existing for Parsonage)	23'	9.2% building 26.4% impervious

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 two of the three building sides and generally utilizes a brick veneer and metal siding as primary materials. The east elevation includes brick columns matching those at the main church entrance. The addition also includes a pitched metal roof.

As noted in our in initial review letter, our primary concern related to this criterion is ensuring that the proposed addition matches the existing building in terms of materials and colors to the greatest extent possible. As such, in addition to providing an elevation view of the west side, we request the applicant confirm that proposed colors and materials will match existing.

3. Parking and Vehicular Circulation. In accordance with Section 14.04, churches and similar places of worship require 1 parking space for each 3 seats in the main unit of worship. Based upon the calculations provided by the project engineer, 174 spaces are required, while 237 are provided.

The parking spaces, drive aisles and number of barrier free spaces all meet or exceed the standards of Article 14.

Although the parking requirements are met, Sheet 3 includes a note stating that arrangements are made for use of the Brighton High School parking lot when overflow parking is necessary. The Township may wish to request additional information regarding this arrangement in terms of whether a formal agreement has been made and whether a shuttle service is provided to get visitors across Brighton Road.

- **4. Vehicular Circulation.** The site plan indicates use of the existing driveway along Brighton Road. As described above, all drive aisles meet or exceed minimum dimensional requirements and the site currently provides a drop off/pick up area along the main entrance to the worship area. The additional building and parking areas are expected to blend in with the established vehicular circulation pattern.
- **5.** Loading. Given the overall size of the buildings in combination, Section 14.08.08 requires upwards of 3 loading spaces, which are to be located in a rear or side yard not directly visible to a public street. The revised site plan includes a new loading area behind the proposed building addition.
- 6. Landscaping. The site contains a significant amount of existing landscaping, including around the existing detention pond, along the east side lot line to buffer the existing single-family residences and within the undeveloped portion north of the buildings.

The proposed plan includes 3 new canopy trees in a parking lot island towards the south end of the site. While much of the parking lot exists today, the Township may wish to require additional parking lot landscaping in accordance with Section 12.02.04 to break up the large expanses of pavement, particularly for the new paved parking area.

- 7. Waste Receptacle and Enclosure. The project includes a new waste receptacle and enclosure on the east side of the "skate park" building. Details, provided on Sheet 7, identify a base pad and screen enclosure consistent with the requirements of Section 12.04.
- 8. Pedestrian Circulation. Section 12.05 requires sidewalks and pathways along certain road frontages. For county primary roads designated on the pathways plan, which includes Brighton Road, an 8-foot asphalt pathway is required. Based upon review of aerial photos for the site, it appears the required pathway is already in place.
- **9.** Exterior Lighting. Sheet 6 of the submittal identifies two new light poles in the newly paved parking area. Pole height and light intensity readings comply with Section 12.03, although fixture cut sheets need to be provided.

The site plan also identifies several existing light fixtures, but does not include any details. The Township may wish to request details and an expanded photometric plan to ensure that existing lighting complies with current requirements.

- 10. Signs. The applicant has confirmed that no new signage is proposed as part of this project.
- **11. Impact Assessment.** The submittal includes a revised Impact Assessment (dated 7/2/13). In summary, the Assessment notes that the project is not anticipated to adversely impact natural features, public services/utilities, surrounding land uses or traffic.

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

Sincerely, LSL PLANNING, INC. Brian V. Borden, AICP

Senior Planner



July 15, 2013

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

Re: Brighton Nazarene Church Facility Expansion Site Plan Review Resubmittal #1

Dear Ms. Van Marter:

We have reviewed the resubmitted site plan documents and application for special land use from Boss Engineering dated July 2, 2013, which was provided by the Township dated July 3, 2013. Boss Engineering provided clarification to the water main design on July 12, 2013. Tetra Tech reviewed the documents and offers the following additional comments:

SITE PLAN

- 1. The existing water main on the site has been changed with the fire hydrant that currently services the north end of the site now shown connected to the existing water main in Aljoann Road. An additional fire hydrant near the bend adjacent to the west property line is recommended to provide fire protection coverage to the western side of the site.
- 2. Water main should be at least 20 feet from any building, per standards. Petitioner should reevaluate the location of the proposed underground stormwater detention structure and check for any manufacturer-recommended construction clearances. Per Ten States Standards, water main should be maintained a minimum of 10 feet horizontal from sewer systems.
- 3. The location of any new water service connections should be clearly shown on the drawing. If any existing water service connections are presently located on a portion of water main to be removed, a replacement plan must be included in the final construction drawings.
- 4. Plans show a 6" well on the site, just north of the skate park building, less than 15 feet from the proposed water main trench. Please clarify the type of well and any impact on the water main alignment, proposed service connections, or if abandoned.

The petitioner has provided most of the required clarification; however, the existing and proposed water main still lacks some detail. Tetra Tech recommends the approval of the site plan if the clarifications

Ms. Kelly Van Marter **Brighton Nazarene Church Facility Expansion** July 15, 2013 Page 2

listed above are completed, and if it is confirmed that existing utilities as depicted are correct prior to issuing any land use permt.

Please call if you have any questions.

Sincerely,

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

Joseph C. Siwek, P.E. Project Engineer

copy: Scott Tousignant, P.E., Boss Engineering



Brighton Area Fire Department 615 W. Grand River Brighton, Michigan 48116

810-229-6640 Fax: 810-229-1619

July 15, 2013

Kelly VanMarter Genoa Township 2911 Dorr Road Brighton, MI 48116

RE: Brighton Nazarene Church Expansion 7669 Brighton Rd. **Revised** Site Plan Review

Dear Kelly:

The Brighton Area Fire Department has reviewed the above mentioned revised site plan. The original plan was reviewed on June 24, 2013. The plans were received for review on July 9, 2013 and the drawings are dated July 2, 2013. The project is based on building a 16,120 S.F. expansion to the existing church building (size of existing building not provided). The plan review is based on the requirements of the International Fire Code (IFC) 2012 edition.

The applicant has attempted to address the fire department's concerns by submitting a letter from an Architect stating that the submittal meets the requirements of the Michigan Building Code. However, the plan does not meet the requirements of the Township's adopted fire prevention code for site and building accessibility.

The following items still need to be properly addressed.

1. The access to the building appears to be limited by an overhang that may not meet the minimum standard of 13.5'. Additional details shall be provided.

IFC 503.2.1

2. Access to and from the building shall provide emergency vehicles with an outside turning radius of 50' and a minimum vertical clearance of 13 ½ feet. A plan with a truck turning template applied would satisfy the turning radius requirement.

IFC 503.2.4

3. Fire apparatus roads shall be provided to extend to within 150' of all portions of the facility's outer walls. The entire west perimeter wall does not meet this standard. The fire code allows an exception where the <u>entire</u> building is protected with an automatic sprinkler system. The building shall be provided with an automatic sprinkler system in accordance with NFPA 13, *Standard for the Installation of Automatic Sprinkler Systems* in order to have relief from the access requirement.

IFC 503.1.1, 903

4. The access road into the site shall be a minimum of 26' wide. Access roads to site shall be provided and maintained during construction. Access roads shall be constructed to be capable of supporting the imposed load of fire apparatus weighing at least 75,000 pounds.

IFC D103.1

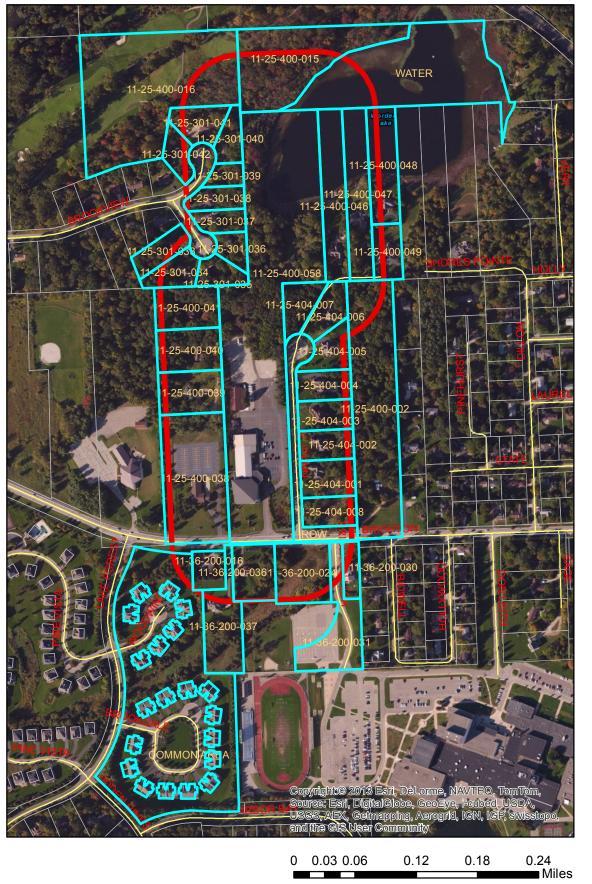
July 15, 2013 Brighton Nazarene Church Expansion 7669 Brighton Rd. Revised Site Plan Review Page 2 of 2

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 W. Evans, CFPS Deputy Chief

300 ft Buffer for Noticing





June 19, 2013

Ν

Variance Case #13-06 Applicant: Brighton Nazarene Church, Gary Anscombe Parcel: 11-25-400-058 Meeting Date: July 22, 2013



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

June 28, 2013

To Whom It May Concern:

There will be a hearing for a Special Land Use Permit in your general vicinity on Monday, July 22 at 6:30 p.m. at Genoa Township Hall, located at 2911 Dorr Road, Brighton, Michigan.

The property in question is located at Brighton Nazarene Church, 7669 Brighton Road. The Special Land Use has been requested for a 16,120 square foot gymnasium and classroom addition. The request is petitioned by Brighton Nazarene Church.

Materials relating to this request are available for public inspection at the Genoa Township Hall during regular business hours. If you have any questions or objections in this regard, please be present at the public hearing noted above. Written comments may be addressed to the Planning Commission.

Sincerely,

Kelly VanMarter Assistant Township Manager / Community Development Director KKV/kp

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

GENOA TOWNSHIP MAY 3 1 2013

IMPACT ASSESSMENT FOR SITE PLAN PETITION "BRIGHTON NAZARENE CHURCH FACILITY EXPANSION" GENOA TOWNSHIP, LIVINGSTON COUNTY MICHIGAN

Prepared for:

BRIGHTON NAZARENE CHURCH 7669 BRIGHTON ROAD BRIGHTON, MICHIGAN 48116 (810) 227-6600

Prepared by:

BOSS ENGINEERING COMPANY 3121 E. GRAND RIVER HOWELL, MI 48843 (517) 546-4836

May 31, 2013

13-100EIA

INTRODUCTION

The purpose of this Impact Assessment (IA) report is to show the effect that this proposed development may have on various factors in the general vicinity of the project. The format used for presentation of this report conforms to the *Submittal Requirements For Impact Assessment* guidelines in accordance with Section 18.07 of the published Zoning Ordinance for Genoa Township, Livingston County, Michigan.

DISCUSSION ITEMS

A. Name(s) and address(es) of person(s) responsible for preparation of the impact assessment and a brief statement of their qualifications.

Prepared By : Brent W. LaVanway, P.E. BOSS ENGINEERING COMPANY Civil Engineers, Land Surveyors, Landscape Architects and Planners 3121 E. Grand River Howell, MI 48843 (517) 546-4836

Prepared For : Brighton Nazarene Church Owner of property 7669 Brighton Road Brighton, MI 48116 (810) 227-6600

B. Map(s) and written description / analysis of the project site including all existing structures, manmade facilities, and natural features. The analysis shall also include information for areas within 10 feet of the property. An aerial photograph or drawing may be used to delineate these areas.

The site is located on the north side of Brighton Road immediately west of the Worden Lake Woods development and slightly west of the entrance to Brighton High School. The subject property is currently the Brighton Nazarene Church Facility. There is the existing church building, parking lot, detention basin and parsonage. The north end of the property is heavily wooded. There are established tree row buffers on the east and west property lines. The subject property and both adjacent properties are zoned Suburban Residential (SR). The Brighton Nazarene Church also owns the contiguous parcel to the north.

C. Impact on natural features: A written description of the environmental characteristics of the site prior to development and following development, i.e., topography, soils, wildlife, woodlands, mature trees (eight inch caliper or greater), wetlands, drainage, lakes, streams, creeks or ponds. Documentation by a qualified wetland specialist shall be required wherever the Township determines that there is a potential regulated wetland. Reduced copies of the Existing Conditions Map(s) or aerial photographs may accompany written material.

The total site area is 16.43 acres. The front (south) portion of the site is the existing Church facility, associated parking lot, detention basin and parsonage. The developed site slopes south toward Brighton Road and the remainder of the site slopes north toward Worden Lake. The undeveloped portion of the site is predominantly wooded with the north end of the parcel terminating at Worden Lake. The USDA Soil Conservation Service soil classification for the site is Boyer-Oshtemo Loamy Sand.

The proposed building addition is located in an existing parking lot which will be relocated as part of the project. No tree removal is anticipated during construction of this expansion.

D. Impact on storm water management: Description of measures to control soil erosion and sedimentation during grading and construction operations and until a permanent ground cover is established. Recommendations for such measures may be obtained from County Soil Conservation Service.

Surface runoff during periods of construction will be controlled by proper methods set forth by the Livingston County Drain Commissioner, including silt fence, pea stone filters, and seed and mulch. A meeting was held with the Livingston County Drain Commissioner to address stormwater management. Their primary recommendation is to maintain the existing drainage patterns as closely as possible.

At the time of construction, there may be some temporary dust, noise, vibration and smoke, but these conditions will be of relatively short duration and shall be controlled by applying appropriate procedures to minimize the effects, such as watering if necessary for dust control.

The Site Plan documents show the proposed locations of all site improvements along with detailed soil erosion control information. The plans will be reviewed by the Livingston County Drain Commissioner's office for compliance with their regulations prior to issuance of a Soil Erosion Control permit.

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

As previously stated the site is the current home of the Brighton Nazarene Church. This facility expansion project will provide a larger gymnasium and additional Sunday School classrooms. The classrooms are only for Sunday School and are not for a 5 day per week school. The existing gymnasium will be converted to additional Sunday School classrooms. All other uses at the Church will remain as they are now. The parking that is displaced with the building addition will be added toward the north end of the site and an underground detention system will be constructed under the new parking lot to address stormwater management.

The increase in light, noise or air pollution would be negligible given the site is already developed.

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

The primary use of the facility is for Sunday Church services however additional activities take place throughout the week. These activities vary from small group meetings to additional worship services. Typically these occur during off peak traffic hours thus do not significantly impact the traffic on Brighton Road. The site is serviced by public water and a septic system. The public water is provided by the City of Brighton. The septic system review is under the jurisdiction of the Livingston County Health Department. There is no expected impact on Brighton Area Schools and very minimal impact on the police and fire departments.

G. Impact on public utilities: Description of the method to be used to service the development with water and sanitary sewer facilities, the method to be used to control drainage on the site and from the site, including runoff control during periods of construction. For sites service with sanitary sewer, calculations for pre- and post development flows shall be provided in equivalents to a

single family home. Where septic systems are proposed, documentation or permits from the Livingston County Health Department shall be provided.

The development is currently served by both public water and septic system. With regards to storm water management, the project would be required to meet all local, county and state storm water and erosion control requirements. All of the required information is included in the Site Plan documents.

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

There will be no hazardous materials used or disposed of on this site.

I. Impact on traffic and pedestrians: A description of the traffic volumes to be generated based on national reference documents, such as the most recent edition of the Institute of Transportation Engineers Trip Generation Manual, other published studies or actual counts of similar uses in Michigan.

The Church expansion project will generate a negligible number of trips during the AM and PM peak hours Monday through Friday. Most of the traffic will be generated on Sunday mornings for worship services. Some traffic will occur during the week for various activities that take place. Little of this traffic will occur during peak traffic hours.

J. A detailed traffic impact study shall be submitted for any site over ten (10) acres in size which would be expected to generate 100 directional vehicle trips (i.e. 100 inbound or 100 outbound trips) during the peak hour of traffic of the generator or on the adjacent streets.

The facility is primarily used on Sunday mornings therefore a detailed traffic impact study is not necessary.

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

The Church requires a Special Use Permit to operate in a residentially zoned district.

L. A list of all sources shall be provided.

Genoa Township's Submittal Requirements For Impact Assessment

Genoa Township Zoning Ordinances

Soil Survey of Livingston County, Michigan, U.S.D.A. Soil Conservation Service

National Wetland Inventory Plan, United States Department of the Interior, Fish and Wildlife Service

APPENDIX



SITE PLAN FOR BRIGHTON NAZARENE CHURCH FACILITY EXPANSION PART OF SE 1/4 SEC. 25, T.2N., R.5E. GENOA TOWNSHIP, LIVINGSTON COUNTY, MI

PROPERTY DESCRIPTION:

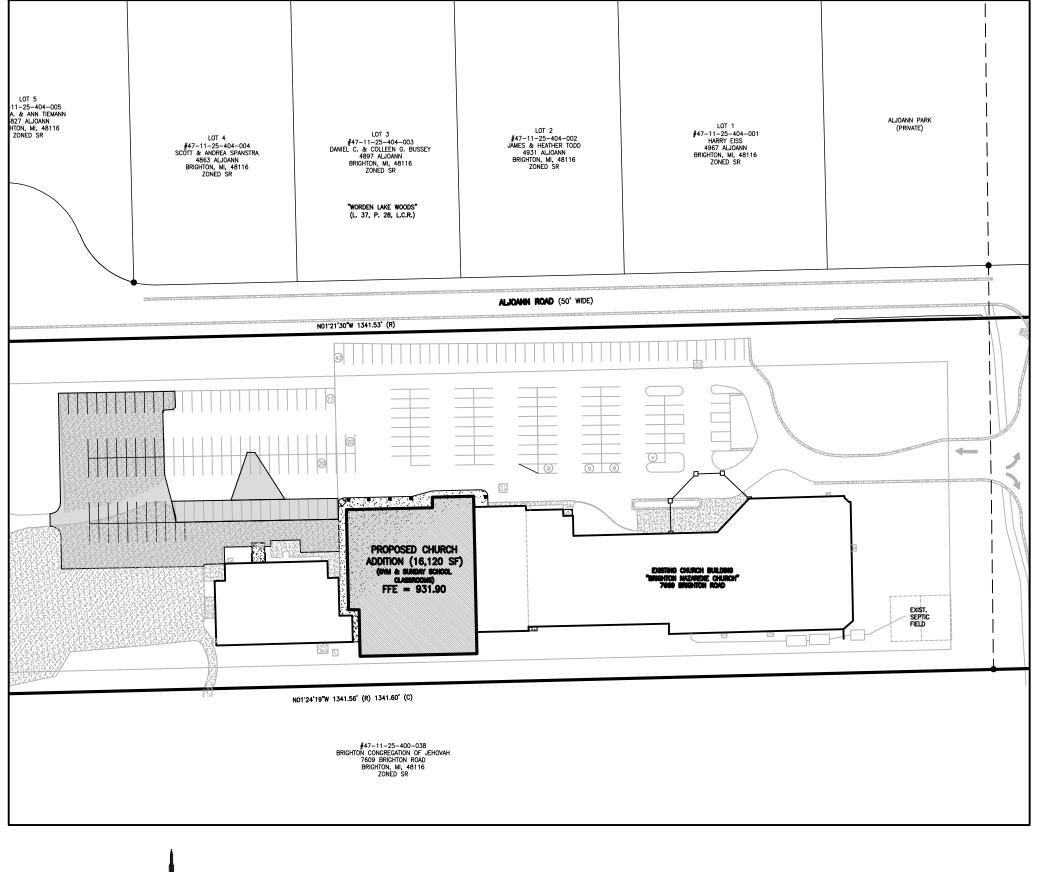
A part of the SE 1/4 of Section 25. T2N-R5E thence N 89'08'13" E 663.28 feet to Point of Beginning, thence continue E 331.64 feet, thence N 01'21'30" W 1341.53 feet, thence S 89'03'20" E 332.74 feet, thence S 01'24'19" E 1341.56 feet to Point of Beginning and also Section 25, T2N-R5E Beginning at the SE 1/4 corner, thence N 01' W 1340.63 feet thence N 89' E 823.63 feet to Point of Beginning, thence N 01' W 891.73 feet, thence N 88' E 400.81 feet, thence S 01' E 893.61 feet, thence S 89' W 400.83 feet to Point of Beginning, containing 16.43 acres, more or less split on 01/23/2012 with 4711-25-400-027 into 4711-25-400-058

CONSTRUCTION NOTES

- THE CONTRACTOR SHALL COMPLY WITH THE FOLLOWING NOTES AND ANY WORK INVOLVED SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- 1. THE CONTRACTOR SHALL HOLD HARMLESS THE DESIGN PROFESSIONAL, MUNICIPALITY, COUNTY, STATE AND ALL OF ITS SUB CONSULTANTS, PUBLIC AND PRIVATE UTILITY COMPANIES, AND LANDOWNERS FOR DAMAGES TO INDIVIDUALS AND PROPERTY, REAL OR OTHERWISE, DUE TO THE OPERATIONS OF THE CONTRACTOR AND/OR THEIR SUBCONTRACTORS.
- 2. DO NOT SCALE THESE DRAWINGS AS IT IS A REPRODUCTION AND SUBJECT TO DISTORTION.
- 3. A GRADING PERMIT FOR SOIL EROSION-SEDIMENTATION CONTROL SHALL BE OBTAINED FROM THE GOVERNING AGENCY PRIOR TO THE START OF CONSTRUCTION.
- IF DUST PROBLEM OCCURS DURING CONSTRUCTION, CONTROL WILL BE PROVIDED BY AN APPLICATION OF WATER, EITHER BY SPRINKLER OR TANK TRUCK.
 ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH LOCAL MUNICIPAL STANDARDS AND SPECIFICATIONS.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL REQUIRED TOWNSHIP, COUNTY, AND STATE OF MICHIGAN PERMITS.
- 7. PAVED SURFACES, WALKWAYS, SIGNS, LIGHTING AND OTHER STRUCTURES SHALL BE MAINTAINED IN A SAFE, ATTRACTIVE CONDITION AS ORIGINALLY DESIGNED AND CONSTRUCTED.
- 8. ALL BARRIER-FREE FEATURES SHALL BE CONSTRUCTED TO MEET ALL LOCAL, STATE AND A.D.A. REQUIREMENTS.
- 9. ANY DISCREPANCY IN THIS PLAN AND ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE DESIGN ENGINEER PRIOR TO THE START OF CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL SETBACKS, EASEMENTS AND DIMENSIONS SHOWN HEREON BEFORE BEGINNING CONSTRUCTION.
- THE CONTRACTOR SHALL CONTACT ALL OWNERS OF EASEMENTS, UTILITIES AND RIGHTS-OF-WAY, PUBLIC OR PRIVATE, PRIOR TO THE START OF CONSTRUCTION.
 THE CONTRACTOR SHALL COORDINATE WITH ALL OWNERS TO DETERMINE THE LOCATION OF EXISTING LANDSCAPING, IRRIGATION LINES & PRIVATE UTILITY LINES. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING LANDSCAPING, IRRIGATION LINES, AND PRIVATE UTILITY LINES.
- 12. THE CONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS FROM THE SITE UPON COMPLETION OF THE PROJECT.
- 13. THE CONTRACTOR SHALL MAINTAIN THE SITE IN A MANNER SO THAT WORKMEN AND PUBLIC SHALL BE PROTECTED FROM INJURY, AND ADJOINING PROPERTY PROTECTED FROM DAMAGE.
- 14. THE CONTRACTOR SHALL KEEP THE AREA OUTSIDE THE "CONSTRUCTION LIMITS" BROOM CLEAN AT ALL TIMES.
- 15. THE CONTRACTOR SHALL CALL MISS DIG A MINIMUM OF 72 HOURS PRIOR TO THE START OF CONSTRUCTION.
- 16. ALL EXCAVATION UNDER OR WITHIN 3 FEET OF PUBLIC PAVEMENT, EXISTING OR PROPOSED SHALL BE BACKFILLED AND COMPACTED WITH SAND (MDOT CLASS II). 17. ALL PAVEMENT REPLACEMENT AND OTHER WORKS COVERED BY THESE PLANS SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE TOWNSHIP,
- INCLUDING THE LATEST MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
- 18. THE CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGE TO EXISTING UTILITIES.
- 19. NO ADDITIONAL COMPENSATION WILL BE PAID TO THE CONTRACTOR FOR ANY DELAY OR INCONVENIENCE DUE TO THE MATERIAL SHORTAGES OR RESPONSIBLE DELAYS DUE TO THE OPERATIONS OF SUCH OTHER PARTIES DOING WORK INDICATED OR SHOWN ON THE PLANS OR IN THE SPECIFICATION OR FOR ANY REASONABLE DELAYS IN CONSTRUCTION DUE TO THE ENCOUNTERING OR EXISTING UTILITIES THAT MAY OR MAY NOT BE SHOWN ON THE PLANS.
- 20. DURING THE CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL NOT PERFORM WORK BY PRIVATE AGREEMENT WITH PROPERTY OWNERS ADJACENT TO THE PROJECT.
- 21. IF WORK EXTENDS BEYOND NOVEMBER 15, NO COMPENSATION WILL BE DUE TO THE CONTRACTOR FOR ANY WINTER PROTECTION MEASURES THAT MAY BE REQUIRED BY THE ENGINEER.
- 22. NO TREES ARE TO BE REMOVED UNTIL MARKED IN THE FIELD BY THE ENGINEER.
- 23. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE PROPERTY BEYOND THE CONSTRUCTION LIMITS INCLUDING BUT NOT LIMITED TO EXISTING FENCE, LAWN, TREES AND SHRUBBERY.
- 24. ALL AREAS DISTURBED BY THE CONTRACTOR BEYOND THE NORMAL CONSTRUCTION LIMITS OF THE PROJECT SHALL BE SODDED OR SEEDED AS SPECIFIED OR DIRECTED BY THE ENGINEER.
 25. ALL ROOTS, STUMPS AND OTHER OBJECTIONABLE MATERIALS SHALL BE REMOVED AND THE HOLE BACKFILLED WITH SUITABLE MATERIAL. WHERE GRADE CORRECTION I
- S REQUIRED, THE SUBGRADE SHALL BE CUT TO CONFORM TO THE CROSS-SECTION AS SHOWN IN THE PLANS. 26. TRAFFIC SHALL BE MAINTAINED DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL SIGNS AND TRAFFIC CONTROL DEVICES. FLAG
- PERSONS SHALL BE PROVIDED BY THE CONTRACTOR IF DETERMINED NECESSARY BY THE ENGINEER. ALL SIGNS SHALL CONFORM TO THE MICHIGAN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AT NO COST TO THE TOWNSHIP. NO WORK SHALL BE DONE UNLESS THE APPROPRIATE TRAFFIC CONTROL DEVICES ARE IN PLACE.
- 27. ALL DEMOLISHED MATERIALS AND SOIL SPOILS SHALL BE REMOVED FROM THE SITE AT NO ADDITIONAL COST, AND DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.
- 28. AFTER REMOVAL OF TOPSOIL, THE SUBGRADE SHALL BE COMPACTED TO 95% OF ITS UNIT WEIGHT.
- 29. ALL GRADING IN THE PLANS SHALL BE DONE AS PART OF THIS CONTRACT. ALL DELETERIOUS MATERIAL SHALL BE REMOVED FROM THE SUBGRADE PRIOR TO COMPACTING.
- 30. NO SEEDING SHALL BE DONE AFTER OCTOBER 15 WITHOUT APPROVAL OF THE ENGINEER.
- 31. ANY EXISTING APPURTENANCES SUCH AS MANHOLES, GATE VALVES, ETC. SHALL BE ADJUSTED TO THE PROPOSED GRADE AND SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- SOIL EROSION MEASURES SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL VEGETATION HAS BEEN RE-ESTABLISHED.
 ALL PERMANENT SIGNS AND PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST REVISION OF THE MICHIGAN MUTCO MANUAL AND SHALL BE INCLIDENTAL TO THE CONTRACT.

INDEMNIFICATION STATEMENT

THE CONTRACTOR SHALL HOLD HARMLESS THE DESIGN PROFESSIONAL, MUNICIPALITY, COUNTY, STATE AND ALL OF ITS SUB CONSULTANTS, PUBLIC AND PRIVATE UTILITY COMPANIES, AND LANDOWNERS FOR DAMAGES TO INDIVIDUALS AND PROPERTY, REAL OR OTHERWISE, DUE TO THE OPERATIONS OF THE CONTRACTOR AND/OR THEIR SUBCONTRACTORS.

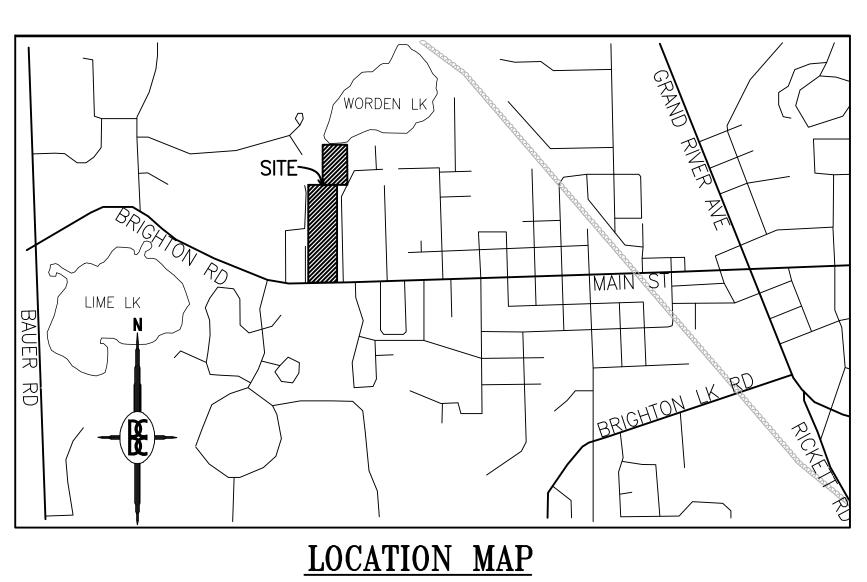


OVERALL SITE MAP NO SCALE

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ARCHITECT

SAHBA LA'AL, ARCHITECT MACMULLAN ARCHITECTS 308 NORTH RIVER STREET YPSILANTI, MICHIGAN 48198



NO SCALE

	SHEET INDEX
SHEET NO.	DESCRIPTION
1	COVER SHEET
2	EXISTING CONDITIONS & DEMOLITION PLAN
3	SITE PLAN
4	GRADING, DRAINAGE & SOIL EROSION CONTROL PLAN
5	UTILITY PLAN
6	LANDSCAPE & LIGHTING PLAN
7	CONSTRUCTION NOTES & DETAILS
8	UNDERGROUND DETENTION DETAILS
9	CONSTRUCTION NOTES & DETAILS
10	FLOOR PLAN
11	ELEVATION VIEWS

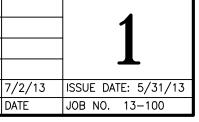
BRIGHTON NAZARENE CHURCH FACILITY EXPANSION PREPARED FOR:

BRIGHTON NAZARENE CHURCH 7669 BRIGHTON ROAD BRIGHTON, MI 48116 CONTACT: PASTOR BEN WALLS 810.227.6600

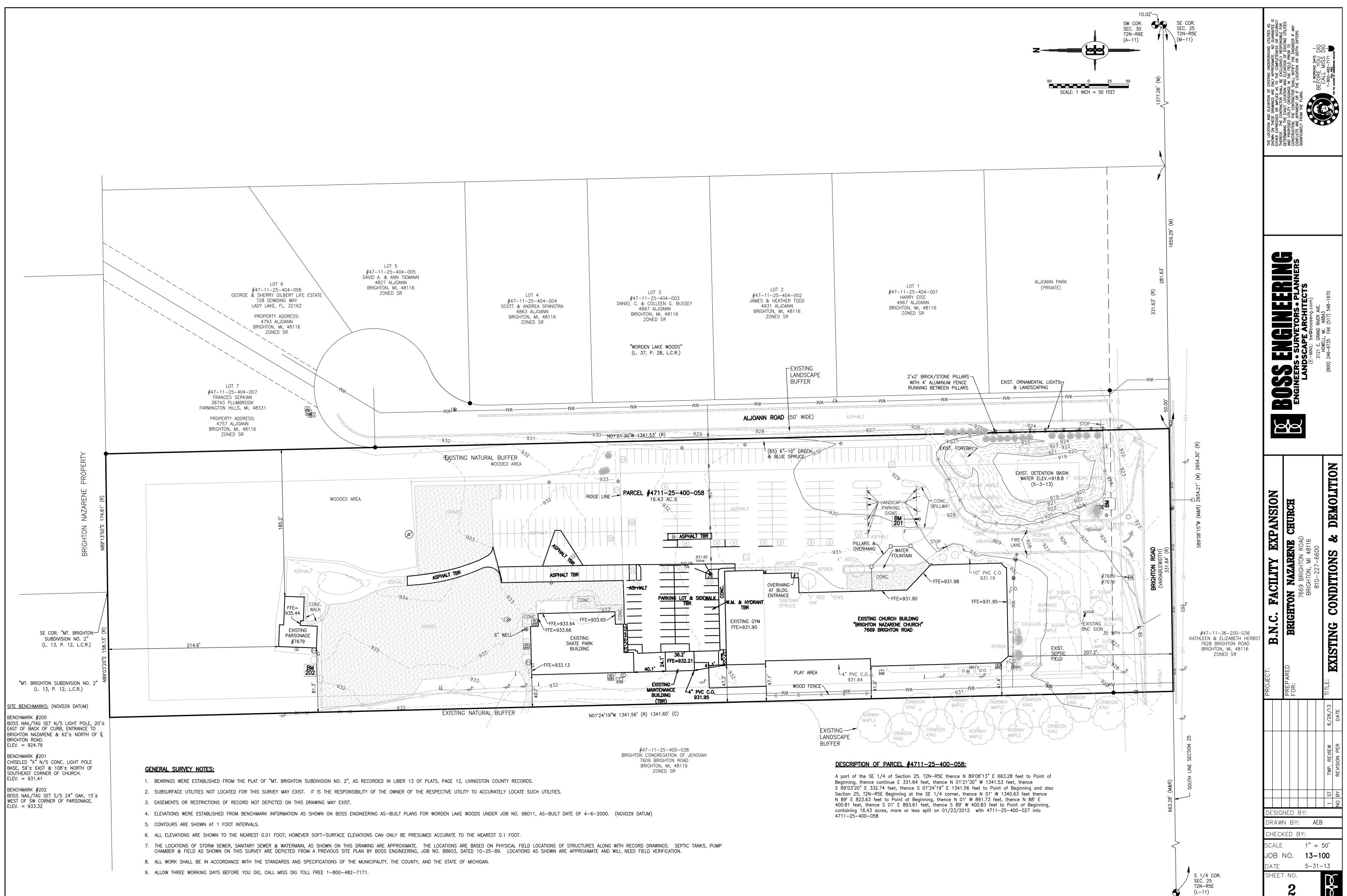
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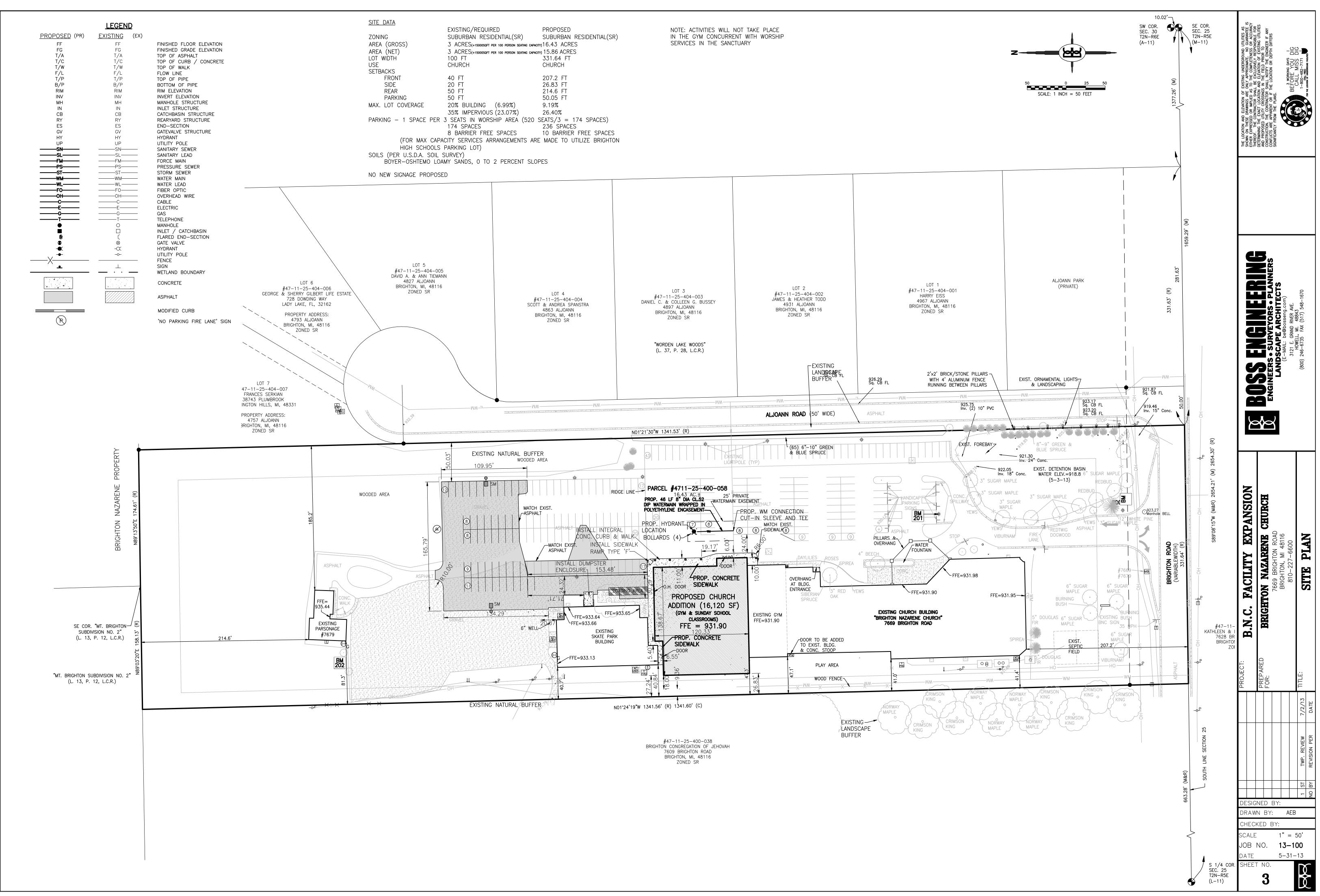


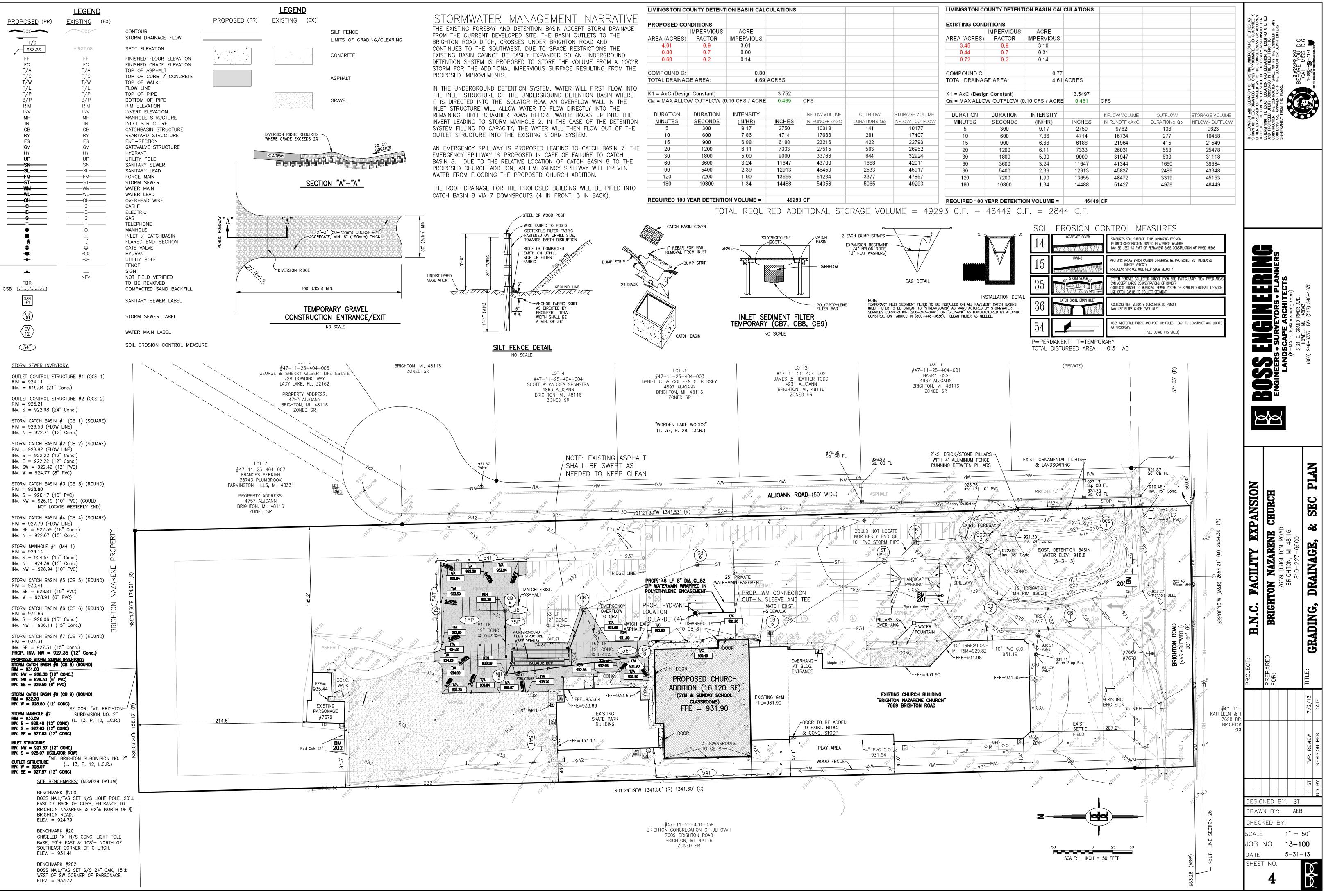
(E-MAIL: be**9**bosseng.com) 3121 E. GRAND RIVER AVE. HOWELL, MI. 48843 (800) 246-6735 FAX (517) 548-1670



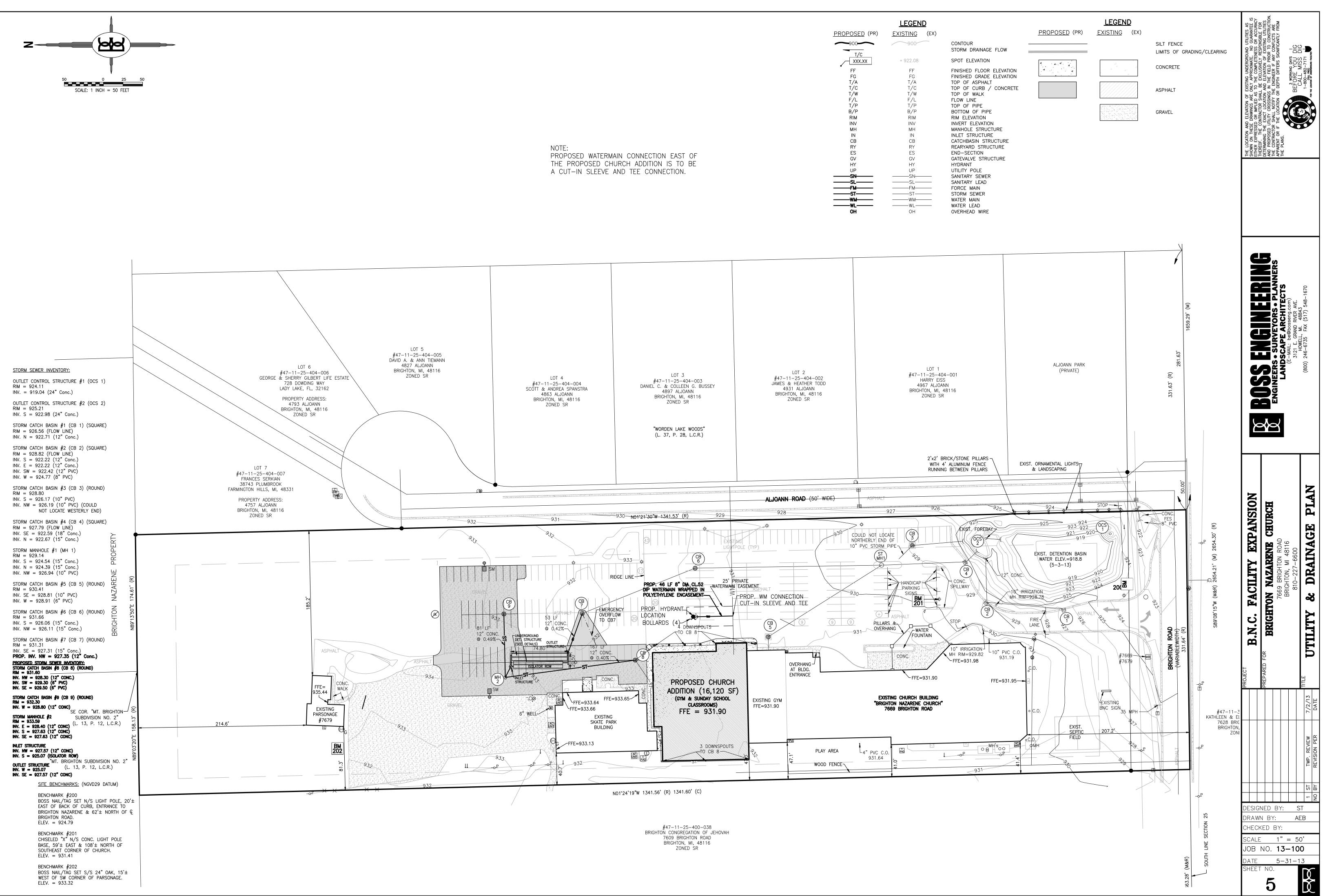
1 ST TWP. REVIEW NO BY CK REVISION

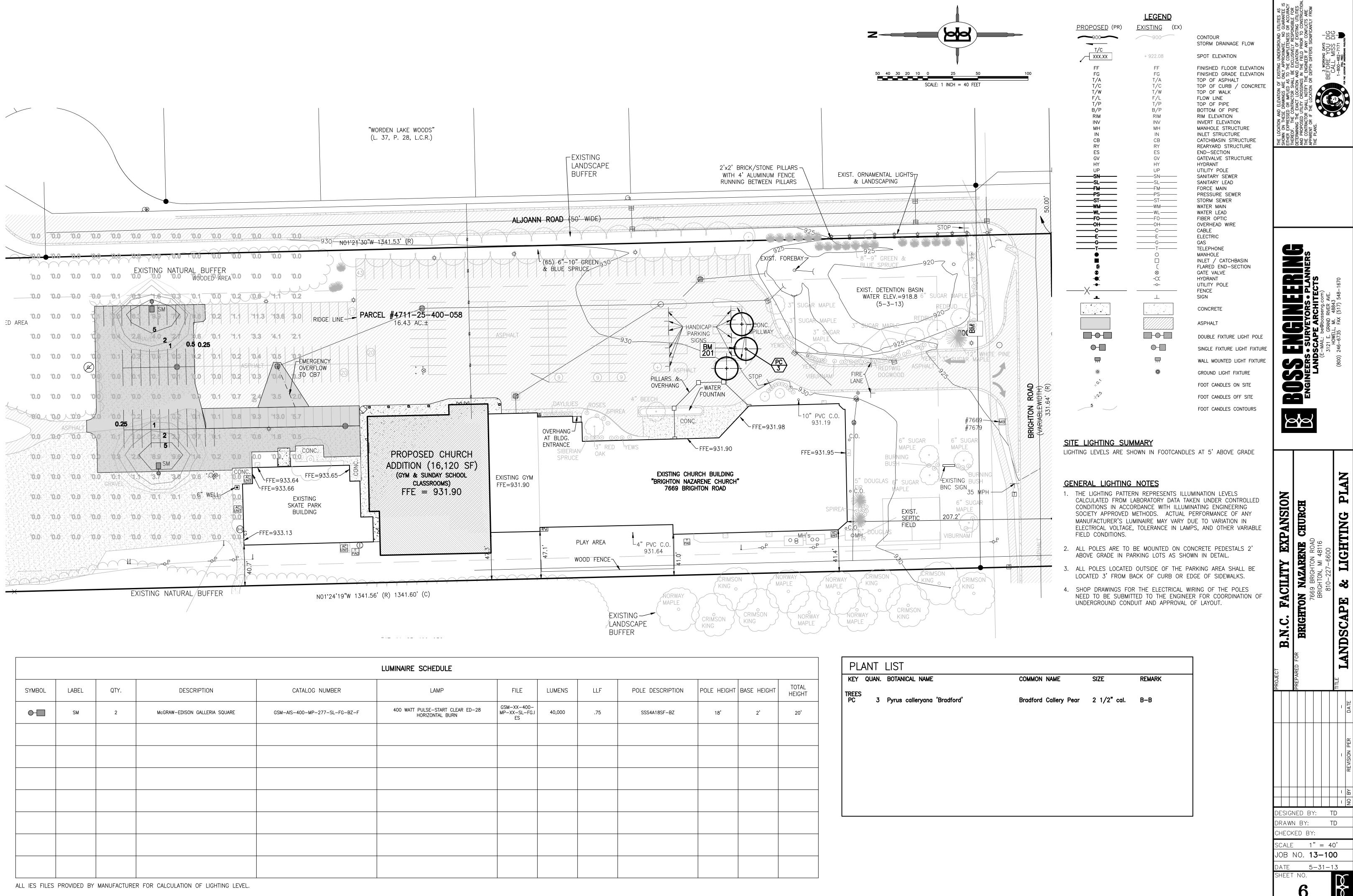






LIVINGSTON CO	DUNIY DETENT	ION BASIN CAL	CULATIONS			
PROPOSED CO						
	IMPERVIOUS	ACRE				
AREA (ACRES)	FACTOR	IMPERVIOUS				
4.01	0.9	3.61				
0.00	0.7	0.00				
0.68	0.2	0.14				
COMPOUND C:		0.80				
TOTAL DRAINAGE AREA:		4.69	ACRES			
K1 = AxC (Design Constant)			3.752			
Qa = MAX ALLO	W OUTFLOW ().10 CFS / ACRE	0.469	CFS		
DURATION	DURATION	INTENSITY		INFLOW VOLUME	OUTFLOW	STORAGE VOLUME
MINUTES	SECONDS	(IN/HR)	INCHES	N. RUNOFF XAXC	DURATION X Qo	INFLOW - OUTFLOW
5	300	9.17	2750	10318	141	10177
10	600	7.86	4714	17688	281	17407
15	900	6.88	6188	23216	422	22793
20	1200	6.11	7333	27515	563	26952
30	1800	5.00	9000	33768	844	32924
60	3600	3.24	11647	43700	1688	42011
90	5400	2.39	12913	48450	2533	45917
120	7200	1.90	13655	51234	3377	47857
180	10800	1.34	14488	54358	5065	49293





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	FILE	LUMENS	LLF	POLE DESCRIPTION	POLE HEIGHT	BASE HEIGHT	TOTAL HEIGHT
CLEAR ED-28 IRN	GSM-XX-400- MP-XX-SL-FG.I ES	40,000	.75	SSS4A18SF-BZ	18'	2'	20'
				1	1		

PL/	ANT	LIST			
KEY	QUAN.	BOTAN	ICAL	NAME	
TREES PC	3	Pyrus	calle	ryana	'Bradford

PRIOR TO START OF GRADE WORK. IN ACCORDANCE WITH PUBLIC ACT NO. 53, OF 1974 THE PERMIT HOLDER SHALL CALL MISS DIG FOR STAKING AND LOCATING OF UTILITIES, AT LEAST 72 HOURS IN ADVANCE OF THE START OF ANY WORK.

EXCAVATED, TOPSOILED, SEEDED, MULCHED AND TACKED PRIOR TO THE START OF MASSIVE EARTH DISRUPTION. INGRESS/EGRESS MUST HAVE LARGE CRUSHED ROCK TO REDUCE THE TRACKING OF SOIL ONTO THE PUBLIC

THE CONSTRUCTION SITE TO FILTER RUNOFF BEFORE LEAVING PROJECT SITE.

ALL TEMPORARY EROSION CONTROL DEVICES AS NOTED ON PLANS SHALL BE INSTALLED PRIOR TO THE START OF MASSIVE EARTH

6. PLAN DOES DENOTE A DETAILED EROSION CONTROL DEVICE TO RESTRICT TRACKING OF MATERIAL ONTO THE HIGHWAY. STONE DIAPERS SHALL BE INSTALLED AT ALL INGRESS/EGRESS AREAS OF THE SITE PRIOR TO THE START OF MASSIVE EARTH DISRUPTION. DIAPERS

RETENTION/DETENTION/SEDIMENTATION PONDS SHALL BE EXCAVATED, TOPSOILED, SEEDED, MULCHED AND TACKED PRIOR TO THE START OF MASSIVE EARTH DISRUPTION.

FILTER SYSTEM, WITH TRASH SCREEN. OUTLET FLOW SHALL NOT EXCEED 0.20 CUBIC FEET OF WATER PER SECOND/PER ACRE. POND DIKES SHALL HAVE A MINIMUM OF ONE (1) FOOT OF FREEBOARD. AN EMERGENCY SPILLWAY SHALL BE CONSTRUCTED WITHIN THE FREEBOARD LEVEL. THE EMERGENCY SPILLWAY FROM THE DETENTION POND SHALL BE

SLOPE OF THE BERM. 10. DIKES AND BERMS SHALL BE FREE OF ALL ORGANIC MATTER.

11. LINK FENCE. INCLUDING A 12' ACCESS GATE FOR MAINTENANCE UNLESS MINIMUM 5 FT. HORIZONTAL TO 1 FT. VERTICAL SIDE SLOPES ARE PROVIDED FOR MAINTENANCE WORK TO BE DONE INSIDE THE FENCE.

WHICH WILL BE STORED ONSITE DURING THE EXCAVATING STAGE. TOPSOIL PILES SHALL BE SEEDED AND MULCHED, OR MATTED WITH STRAW IN THE NON-GROWING SEASON, IMMEDIATELY AFTER THE STRIPPING PROCESS IS COMPLETED, TO PREVENT WIND AND WATER EROSION. 13. SOIL EROSION CONTROLS SHALL BE MONITORED DAILY BY THE

SLOPES AND DITCHES

WIDTH OF 2' WITH A MINIMUM OF 3 HORIZONTAL TO 1 VERTICAL SIDE

SCOURING OF THE DITCH BOTTOM. THESE SHALL BE INSTALLED AS DIRECTED BY THE ENGINEER OR INSPECTOR.

USED EXCEPT WITH A MECHANICAL DEVICE SUCH AS A RETAINING WALL, TERRACING, OR OTHER PRIOR APPROVED DEVICE.

17 BLOCK, SHALL BE PLASTERED ON BOTH THE INSIDE AND OUTSIDE OF THE STRUCTURES. GROUTING AND POINTING WILL BE NECESSARY AT THE CASTING AND STRUCTURE JOINT TO PREVENT LEAKAGE AND THE RESULTING SOIL MOVEMENT, AROUND THE STRUCTURE.

BALE BARRIER AND STONE FILTER INSTALLED AROUND THE INLET DURING CONSTRUCTION. AS AN ALTERNATIVE TO THE STRAW BALE BARRIER. A BURLAP AND PEA STONE FILTER MAY BE USED. THREE LAYERS OF BURLAP FIBER AND A FILTER OF PEA STONE MINIMUM 1 FT. IN DEPTH CAN BE USED. DUE TO THE POROSITY OF THE BURLAP FILTER THE MINIMUM OF FT. OF STONE IS VERY IMPORTANT. THE CONTROL SHALL BE INSTALLED AS SOON AS THE STRUCTURE IS BUILT AND INSPECTED DAILY. BURLAP AND PEA STONE FILTERS WILL NEED TO BE CHANGED AFTER 19. EACH RAINFALL 20. COUNTY CODE REQUIRES A MINIMUM PIPE SIZE OF 12" IN DIAMETER.

BAFFLED TO THE CORRECT SIZE. ALL PIPE SHALL MEET THE 12"

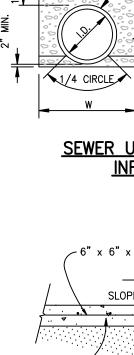
3" IN DEPTH

150 LBS. PER ACRE

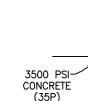
NET BINDING, ETC.) BE DONE WITH SEED AND STRAW MULCH WITH A

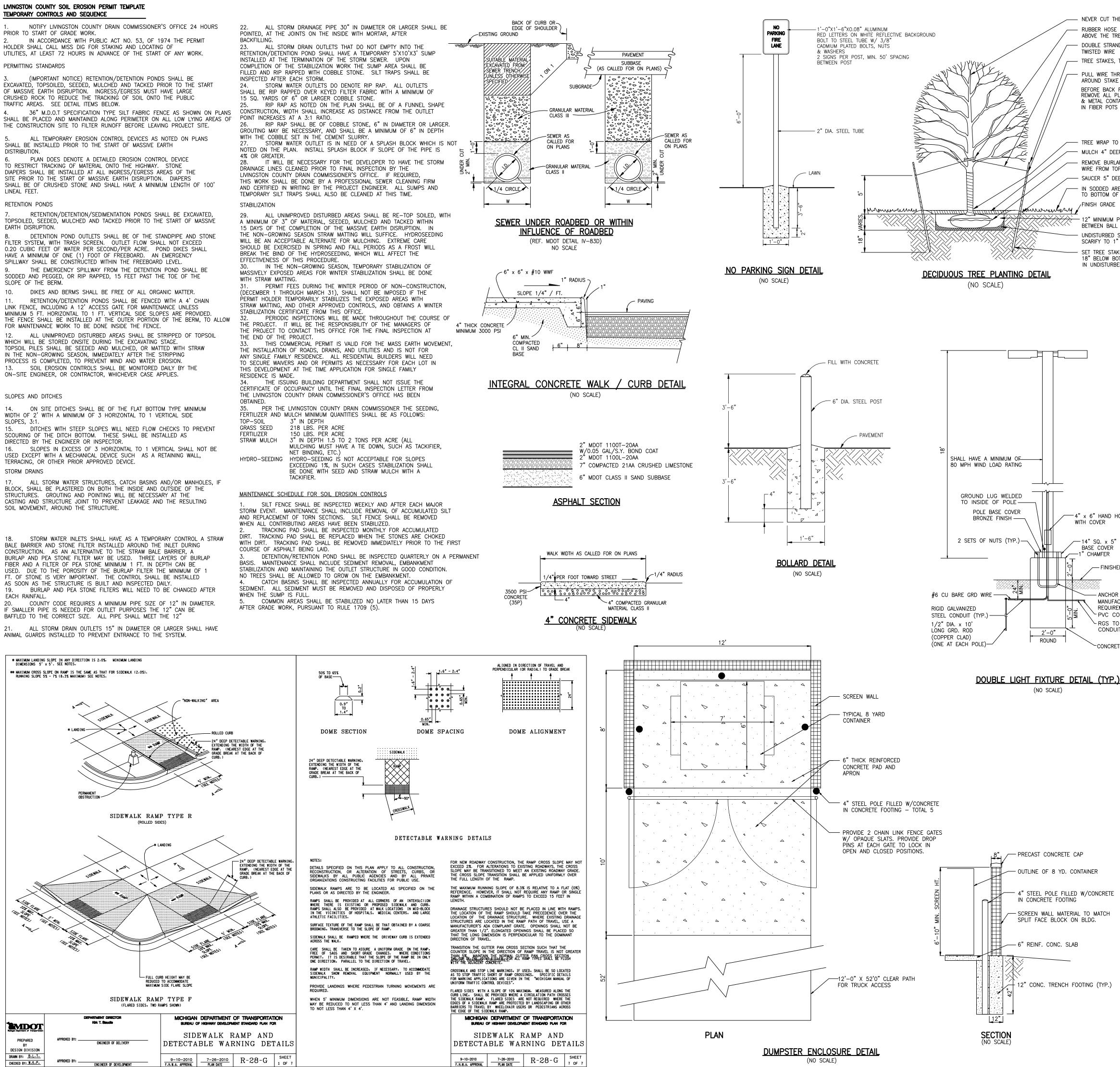
TRACKING PAD SHALL BE INSPECTED MONTHLY FOR ACCUMULATED

COMMON AREAS SHALL BE STABILIZED NO LATER THAN 15 DAYS



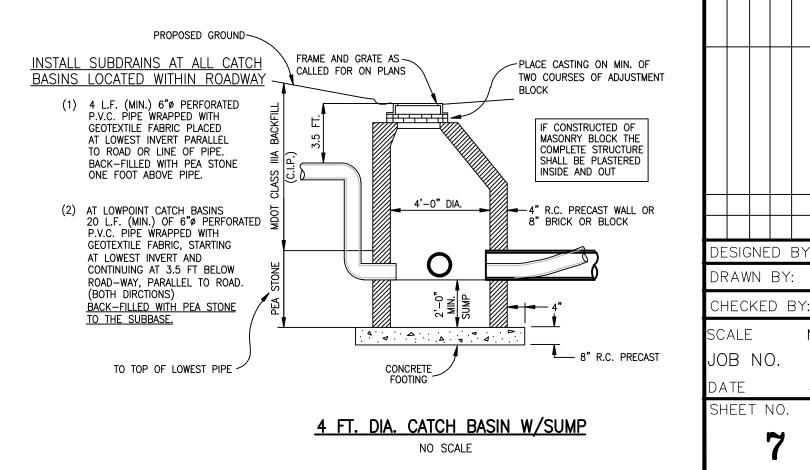






HE LEADER	<u>GENERAL LANDSCAPE NOTES:</u>	
HE LEADER E POSITIONED DIRECTLY REE BRANCH ND = 12 GAUGE THREE 120] APART HROUGH HOLE AND E BEFORE TYING FILLING AROUND PLANT, PLASTIC BALLING MATERIAL ITAINERS. PUNCH HOLES S TO PROVIDE DRAINAGE.	 ALL PLANT MATERIAL SHALL CONFORM TO THE REQUIREMENTS AND SPECIFICATIONS OF THE GOVERNING MUNICIPALITY AND SHALL BE NURSERY GROWN. ALL SIZES AND MEASUREMENTS SHALL CONFORM TO THE AMERICAN ASSOCIATION OF NURSERYMEN STANDARDS. ALL PLANT MATERIAL SHALL BE OF SELECTED SPECIMEN QUALITY AND HAVE A NORMAL HABIT OF GROWTH. ALL PLANT MATERIAL IS SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT. ALL PLANT MATERIALS SHALL BE BALLED AND BURLAPPED STOCK OR CONTAINER STOCK. NO BARE ROOT STOCK IS PERMITTED. ALL PLANT BALLS SHALL BE FIRM, INTACT AND SECURELY WRAPPED AND BOUND. ALL PLANT BEDS SHALL BE EXCAVATED OF ALL BUILDING MATERIALS 	ION OF EXISTING UNDERGROUND UTILITIES AS SS ARE ONLY APPROXIMATE. NO GUARANTEE PLIED AS TO THE COMPLETENESS OR ACCURAC OR SHALL BE EXCLUSIVELY RESPONSIBLE FOR OCATION AND ELEVATION OF EXISTING UTILITIE OCATION AND ELEVATION OF EXISTING OR IF THE LOCATION OR DEPTH DIFFERS 1 BOO-482-7171 FOR THE LOCATION OR DEPTH DIFFERS TORMER AND AND ALLA MISSION OF THE LOCATION OR DEPTH DIFFERS TORMER AND ALLA MISSION OF THE LOCATION OR DEPTH DIFFERS TORMER AND AND ALLA MISSION OF THE LOCATION OR DEPTH DIFFERS TORMER AND AND ALLA MISSION TORMER AND AND ALLA MISSION OF THE LOCATION OR DEPTH DIFFERS TORMER AND AND ALLA MISSION TORMER AND
	AND OTHER EXTRANEOUS OBJECTS AND POOR SOILS TO A MINIMUM DEPTH OF 12 INCHES AND BACKFILLED TO GRADE WITH PLANTING MIX (SEE BELOW).	I AND ELEVATI HESE DRAWING SSED OR IMP SSED OR IMP CONTRACTO HE CONTRACTO HE CONTRACTO LILITY CLU FROM THE P FROM THE P
O FIRST BRANCH EP INSIDE SAUCER AP, ROPES AND OP 1/3 OF BALL	4. PLANTING MIXTURE SHALL CONSIST OF 4 PARTS TOPSOIL FROM ON SITE, 1 PART PEAT, AND 5 POUNDS OF SUPERPHOSPHATE PER CUBIC YARD OF MIX. INGREDIENTS SHALL BE THOROUGHLY BLENDED TO A UNIFORM CONSISTENCY.	THE LOCATION SHOWN ON TI THEREOF. TI THEREOF. TI DETERMINIG AND PROPOSI CONSTRUCTION SIGNIFICANTLY SIGNIFICANTLY
EEP	 ALL PLANT BEDS AND INDIVIDUAL PLANTS SHALL BE MULCHED WITH A 4 INCH LAYER OF SHREDDED BARK MULCH. 	
REAS PLACE SOD DF EARTH SAUCER -	6. ALL PLANTS AND PLANT BEDS SHALL BE THOROUGHLY WATERED UPON COMPLETION OF PLANTING AND STAKING OPERATIONS.	
PLANTING MIXTURE L AND PIT WALL SUBGRADE: " DEPTH AKE AT LEAST OTTOM OF PIT BED SOIL	7. THE CONTRACTOR SHALL GUARANTEE ALL PLANT MATERIALS FOR A PERIOD OF 1 YEAR FROM THE DATE THE WORK IS ACCEPTED, IN WRITING, BY THE LANDSCAPE ARCHITECT. THE CONTRACTOR SHALL REPLACE, WITHOUT COST TO THE OWNER, WITHIN A SPECIFIED PERIOD TIME, ALL DEAD PLANTS, AND ALL PLANTS NOT IN A VIGOROUS, THRIVING CONDITION, AS DETERMINED BY THE LANDSCAPE ARCHITECT DURING AND AT THE END OF THE GUARANTEE PERIOD. REPLACEMENT STOCK SHALL CONFORM TO THE ORIGINAL REQUIREMENTS.	
	 EDGING, WHERE NOTED ON THE PLANS, SHALL BE BLACK ALUMINUM EDGING, 3/16" X 4". INSTALL PER MANUFACTURER'S INSTRUCTIONS. ALL EDGING SHALL BE INSTALLED IN STRAIGHT LINES OR SMOOTH CURVES WITHOUT IRREGULARITIES. 	CB _g
	9. SOD SHALL BE DENSE, WELL ROOTED TURF, FREE OF WEEDS. IT SHALL BE COMPRISED OF A BLEND OF AT LEAST TWO KENTUCKY BLUEGRASSES AND ONE FESCUE. IT SHALL HAVE A UNIFORM THICKNESS OF 3/4 INCH, AND CUT IN UNIFORM STRIPS NOT LESS THAN 10 INCHES BY 18 INCHES. SOD SHALL BE KEPT MOIST AND LAID WITHIN 36 HOURS AFTER CUTTING.	• PLANNER • PLANNER rects • m) 8-1670
	 IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ESTABLISH A DENSE LAWN OF PERMANENT GRASSES, FREE OF LUMPS AND DEPRESSIONS. ALL SODDED AREAS THAT BROWN OUT OR HAVE NOT FIRMLY KNITTED TO THE SOIL BASE WITHIN A PERIOD OF ONE MONTH SHALL BE REPLACED BY THE CONTRACTOR, AT NO COST TO THE OWNER. 10. ALL AREAS OF THE SITE THAT BECOME DISTURBED DURING CONSTRUCTION AND ARE NOT TO BE PAVED, STONED, LANDSCAPED, OR SODDED SHALL BE SEEDED AND MULCHED. 	FURCEVORS • SURVEYORS SCAPE ARCHI - MAIL: be@bosseng.c 121 E. GRAND RIVER AV HOWELL, MI. 48843 246-6735 FAX (517) 54
	SEED MIXTURE SHALL BE AS FOLLOWS:	
	KENTUCKY BLUEGRASS (CHOOSE 3 VARIETIES:ADELPHI, RUGBY, GLADE OR PARADE)30%RUBY RED OR DAWSON RED FINE FESCUE30%ATLANTA RED FESCUE20%PENNFINE PERENNIAL RYE20%	
HOLE	THE ABOVE SEED MIXTURE SHALL BE SOWN AT A RATE OF 250 POUNDS PER ACRE. PRIOR TO SEEDING, THE TOPSOIL LAYER SHALL BE FERTILIZED WITH A COMMERCIAL FERTILIZER WITH A 10–20– 10 ANALYSIS:	
,	10% NITROGEN: A MINIMUM OF 25% FROM A UREAFORMALDEHYDE SOURCE 20% PHOSPHATE 10% POTASH: SOURCE TO BE POTASSIUM SULFATE OR POTASSIUM NITRATE.	
IED GRADE	THE FIRST FERTILIZER APPLICATION SHALL BE AT A RATE OF 10 POUNDS OF BULK FERTILIZER PER 1000 SQUARE FEET.	N N
R BOLTS PER ACTURER'S EMENTS CONDUIT (TYP.)	IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ESTABLISH A DENSE LAWN OF PERMANENT GRASSES, FREE OF LUMPS AND DEPRESSIONS. ANY PART OF THE AREA THAT FAILS TO SHOW A UNIFORM GERMINATION SHALL BE RESEEDED AND SUCH RESEEDING SHALL CONTINUE UNTIL A DENSE LAWN IS ESTABLISHED. DAMAGE TO SEEDED AREAS RESULTING FROM EROSION SHALL BE REPAIRED BY THE CONTRACTOR.	EXPANSION NE CHURCH ROAD BII6 0 STALL
O PVC JIT ADAPTER	11. ALL AREAS OF THE SITE SCHEDULED FOR SEEDING OR SODDING SHALL FIRST RECEIVE A 4 INCH LAYER OF CLEAN, FRIABLE TOPSOIL. THIS SOIL SHALL BE DISCED AND SHALL BE GRADED IN CONFORMANCE WITH THE GRADING PLAN.	
)	12. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATION OF ALL UTILITIES AND TO INFORM THE LANDSCAPE ARCHITECT OF ANY CONFLICTS PRIOR TO COMMENCING LANDSCAPING.	ACILITY EX ACILITY EX NN NAZARENE 7669 BRIGHTON ROA BRIGHTON, MI 48116 810-227-6600 810-227-6600
*	13. ALL PLANT MATERIALS SHALL BE FREE OF WEEDS, INSECTS AND DISEASE.	B.N.C. FACIL BRIGHTON NA BRIGHT BRIGHT BRIGHT BRIGHT BRIGHT BRIGHT

PROPOSED WATERMAIN CONNECTION EAST OF THE PROPOSED CHURCH ADDITION IS TO BE A CUT-IN SLEEVE AND TEE CONNECTION. WATERMAIN CONNECTION NOTE



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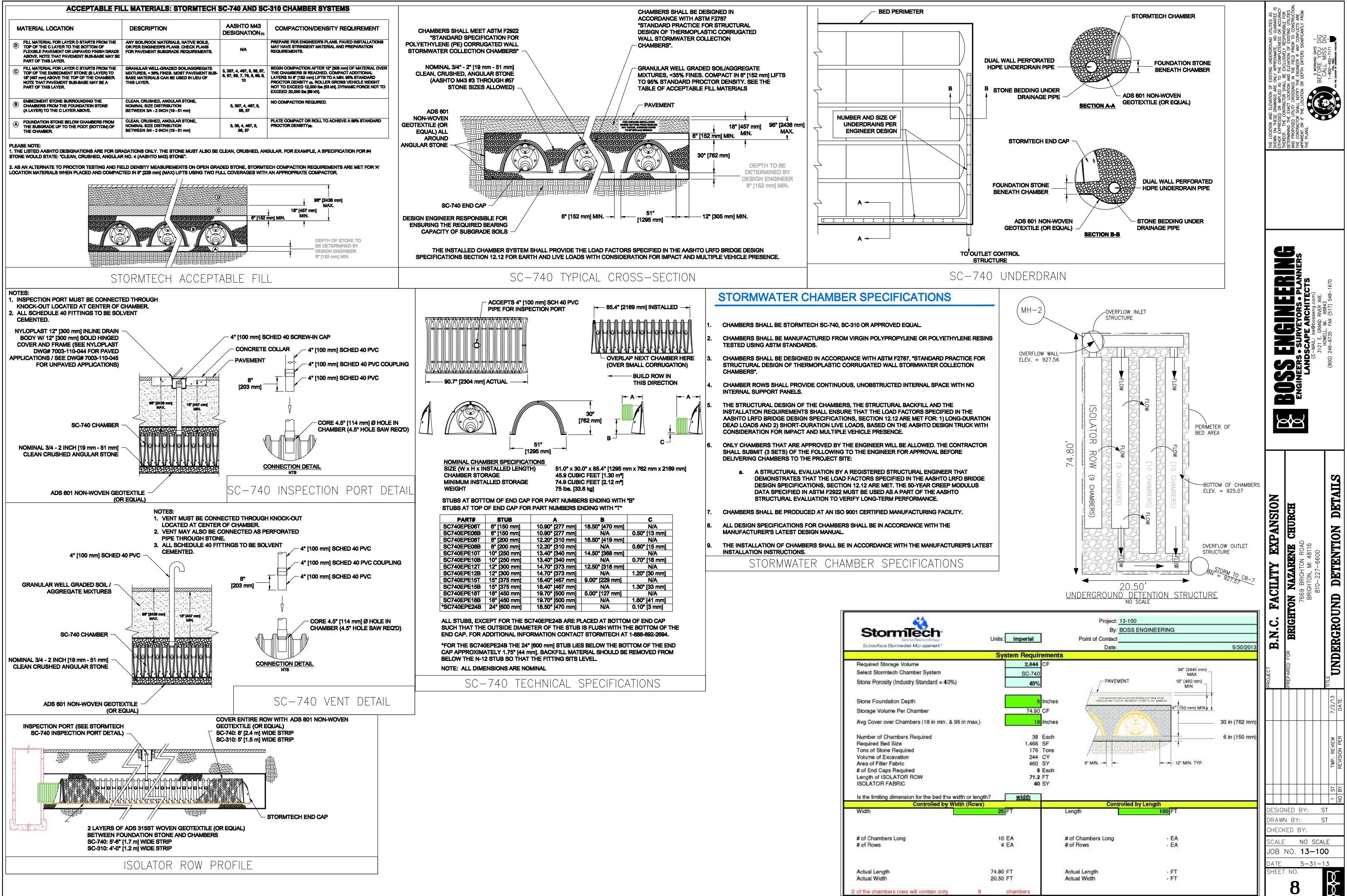
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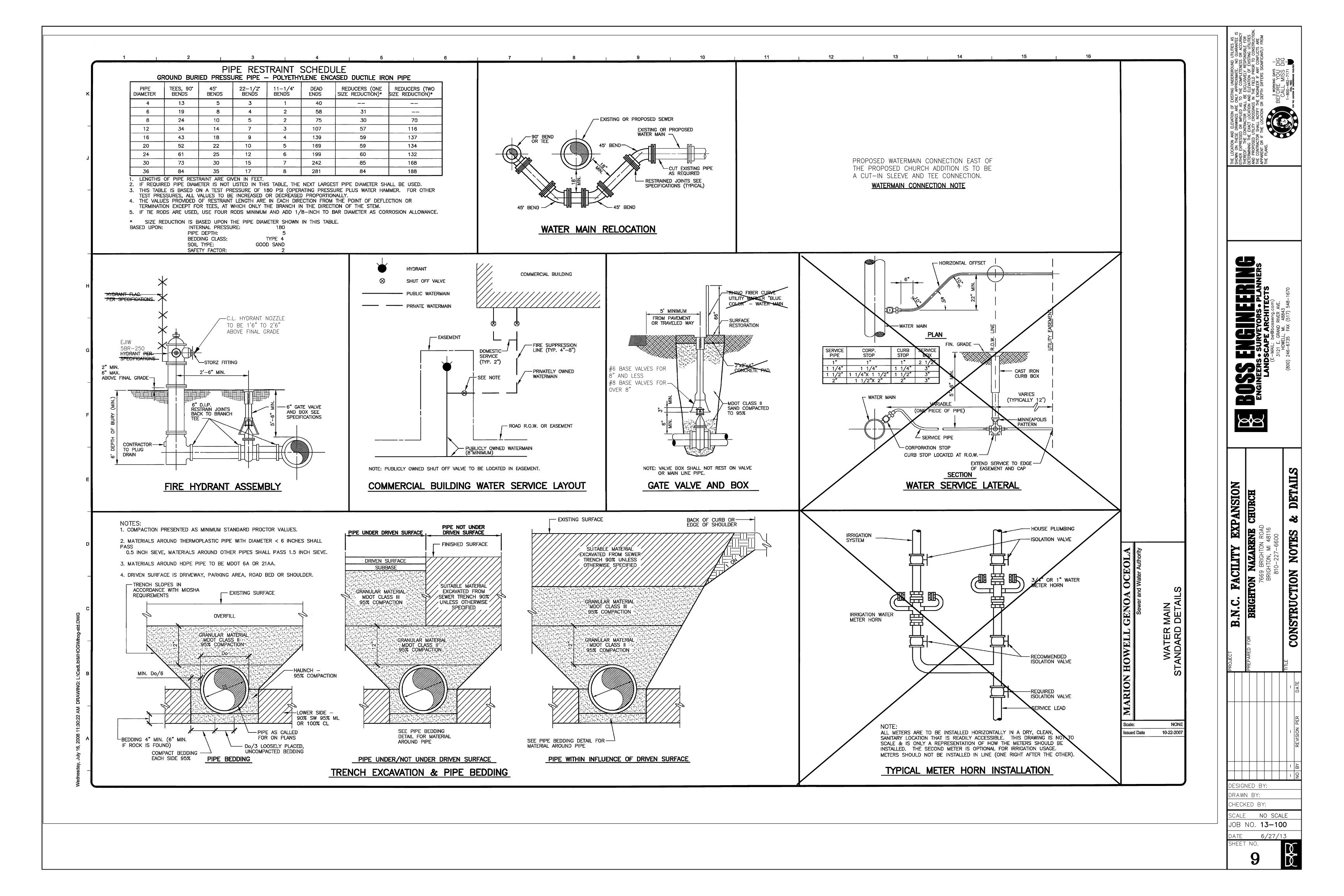
HEET NO.

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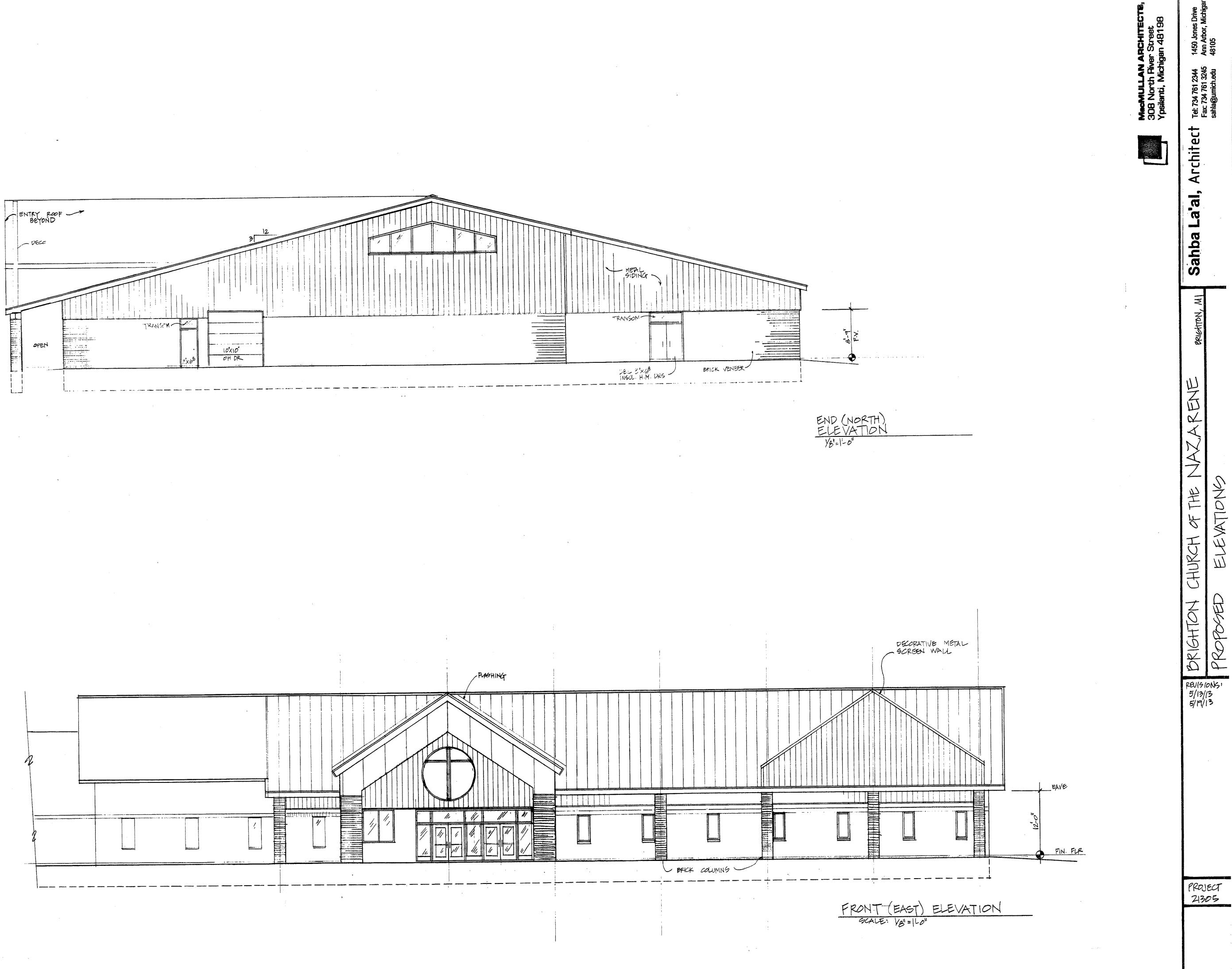


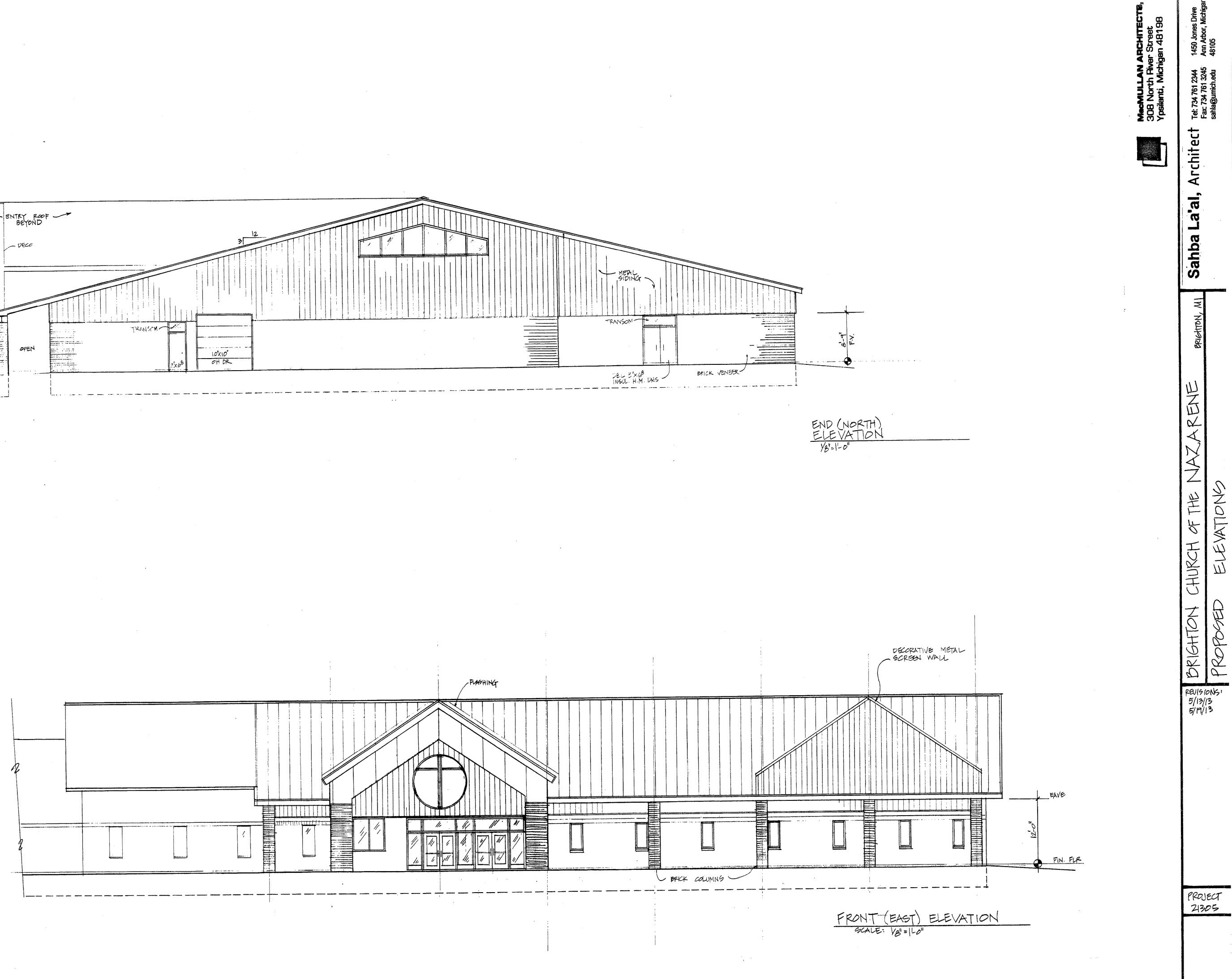


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GENOA CHARTER TOWNSHIP PLANNING COMMISSION PUBLIC HEARING JUNE 10, 2013 6:30 PM

MINUTES

<u>CALL TO ORDER:</u> The meeting of the Genoa Charter Township Planning Commission was called to order at 6:32 pm. Present were Barbara Figurski, James Mortensen, Chairman Doug Brown, Diana Lowe and Dean Tengle. Also present were Assistant Township Manager, Kelly VanMarter, Brian Borden of LSL, and Gary Markstrom of TTMPS.

PLEDGE OF ALLEGIANCE: The Pledge of Allegiance was recited.

INTRODUCTIONS: Chairman Brown introduced all of the Commissioners, and noted that two were absent this evening. He also introduced staff and the planner and engineer. He gave a review of how the Master Plan update process works, including the Township gathering input from residents and business owners. The Master Plan is a guide used to make requested changes to the zoning ordinance. Per State law, the Master Plan must be reviewed every five year. While the Master Plan includes the entire Township, this revision has special interest in the development of the new I-96 interchange at Latson Road. He added that changes to the Master Plan do not change the existing zone and zoning changes do not necessarily follow the Master Plan. The proposed Master Plan includes two new zoning districts, Interchange Commercial and Interchange Campus, which will need to be defined and developed at a later date.

Tonight, the Planning Commission will review the proposed Master Plan and then make a recommendation to the Township Board. There is no public hearing associated with this step of the process; however, the Planning Commission will take comments from the public after the presentation.

<u>APPROVAL OF THE AGENDA</u>: The agenda was approved pursuant to a **Motion** by Barbara Figurski and supported by James Mortensen. **Motion carried unanimously**.

<u>CALL TO THE PUBLIC:</u> Chairman Brown opened the call to the public at 6:40 p.m. with no response.

AGENDA ITEM #1*... Review of the draft Master Plan and request for submittal of the draft plan to the Township Board for distribution and public review pursuant to the Michigan Planning Enabling Act.

(*Please note that this agenda item is not a public hearing and as such will not be open to public comment unless otherwise determined by the Chairman. An official public hearing on the Master Plan is required after the public review period.) Ms. VanMarter referenced her memo in tonight's packet. She gave a review of the Master Plan update process. The plan was developed by a steering committee that consisted of members of Township staff as well as the planner. Then an open house was held in February and feedback was received from residents. There was also a survey sent to the residents. This feedback was considered when developing the plan that is being presented this evening. She feels this plan is ready to share with the public and again gather their feedback as well as feedback from adjacent communities and organizations. Then it will be back before the Planning Commission for an official public hearing.

Brian Borden reviewed the changes that were made to the plan. They updated the demographics, the future land use plan/map, goals and objectives as well as removed recommendations from the old plan that were already completed. They also updated the transportation section; including motorized and non-motorized transportation, and updated the maps.

He noted that tonight is only one step in the process. There will be other opportunities for members of the public to provide their input.

A map of the Latson Road Interchange area of the Township was put up on the screen for the audience to view.

Mr. Borden stated they are proposing Interchange Commercial around the immediate area of the exits and entrances to I-96, which will consist of higher-intensity commercial uses. As you move south and east, it will be Interchange Campus, which would be for larger / institutional uses, such as educational or medical facilities. The debate has been where these two zoning areas should begin and end. He noted that the Township will monitor the development closely and the plan can be amended. The amendment process would be similar to what is being done now; however, it would only focus on this area and the process would not be as lengthy.

Chairman Brown questioned why the interchange campus zoning ended at the proposed location and was not brought down to Crooked Lake and over to Fishbeck. Mr. Borden stated they were limited by the lack of infrastructure and also, they do not want businesses currently on Grand River to move to this location, simply because it is new. Mr. Markstrom stated that when the water and sewer were put in this area originally, I-96 was the southern boundary. His office is currently studying what needs to be done to meet the needs of the proposed Master Plan as well as how much these improvements will cost.

Phil Santer of SPARK, stated they are economic developers and not professional planners. They provided suggestions to the Township on what they felt opportunities the new interchange could offer with regard to development. Dean Tengle asked how the suggested development would benefit not only the residents in that area, but the

Township as a whole. Mr. Santer stated they are suggesting attracting large users to support the existing commerce as well as attract employment.

Mike Boss of Boss Engineering has heard comments from his clients that the input provided to the Township by the public was mostly to continue the more dense zoning further south; however, these comments were not incorporated into the plan that is shown this evening. There is no transitional zoning being proposed. He does not feel that waiting to see what will be developed and then amending the Master Plan is good planning. The infrastructure should be planned at this time and not based on what is developed there. Dean Tengle asked how the suggested development would benefit not only the residents in that area, but the Township as a whole. Mr. Boss stated there will be 16,000 vehicles that travel that road every day. All of this traffic will affect the people who live there, but they are not able to develop their property.

Chairman Brown noted that most of the residents who submitted letters suggested letting the market dictate what will be developed in this area. He feels that is what they are doing by leaving the area south of Sweet Road as five-acre parcels. He reiterated Mr. Markstrom's comments that the Township is not sure if the infrastructure is able to be developed to support this density a higher density in this area.

Mr. Boss feels the Master Plan should be put on hold and wait and see what the demand will be after the interchange is complete and then the plan can be made based on the interest.

Chairman Brown asked Ms. VanMarter if this could be done. She stated that yes, this area can be left as it is currently, but the Master Plan needs to be reviewed at this time. She has been working on ways to advise the public that this land is becoming available from an economic development perspective. She would be open to making an amendment to the Master Plan once the exchange is open.

James Mortensen asked Ms. VanMarter what is the advantage of waiting. She stated there would be more knowledge of what the traffic amount will be. Mr. Mortensen stated that he feels Mr. Boss has valid points, one being the transitional zoning; however, until the funding is available to develop the road, water, and sewer, nothing will be able to be developed. Once land is zoned to a higher density, it cannot be zoned back to a lower one. He is in favor of the campus zoning in the locations that are proposed. It can always be revised to a more intense use in the future. He would like to move the plan along.

Ms. VanMarter stated that while the interchange campus zoning is not a traditional transitional zoning, she it is intended to serve as such. They intend to write the ordinance to include landscaping, buffers, special architectural features, etc. The campus zoning will transition from the high intensity commercial at the ramps to the residential area to the south.

Chairman Brown asked if anyone in the public would like to speak.

Ed Bishop, who lives on Nixon Road, feels that Nixon Road being two lanes is going to increase traffic. He also wants to know if his wife is going to be able to run a business from her home.

Brenda Nicholas, who lives on Nixon Road, feels that if the zoning is changed, it would attract more businesses into the area.

Leo Nicholas, of Nixon Road, suggested that the new sewer pipe that is being put in for Oak Point should be run down Nixon instead of Chilson to help with any new development in this area. Also, 22 residents in this area sent letters to the Township. He would like the Commissioners to read them.

Paul Deluca, of Nixon Road, does not want any special assessments. He does not want to sell his property and move; he wants to live there. He did not want the interchange. He is concerned about crime.

Steve Vitous, of 2592 Nixon Road, asked about the speed limit at the school. Ms. VanMarter suggested he contact the Livingston County Road Commission.

Planning Commission Disposition

A. Authorize submittal of the Master Plan to the Township Board. Motion by James Mortensen and supported by Barbara Figurski to authorize the submitted Master Plan to the Township as presented. **Motion carried unanimously**.

Administrative Business:

- Staff Report. Kelly VanMarter stated the next Planning Commission Meeting will be on July 22nd. She has received a submittal from the Church of the Nazarene.
- Approval of May 13, 2013 Planning Commission meeting minutes. **Motion** by Barbara Figurski and supported by Diana Lowe to adopt the minutes with recommendations made this evening. **Motion carried unanimously**.
- Member Discussion
- Adjournment. Motion by Diana Lowe and supported by Barbara Figurski to adjourn. **Motion carried unanimously**. Meeting adjourned at 8:30 p.m.