

Case File No. 16-0046

Great Grace Assembly of God Church

Blaine Planning Department / 10801 Town Square Dr NE / Blaine, MN 55449 / (763) 785-6180



COMMISSION LED

PERFECT MATCH

6" LED Open Downlight LF6LED8G4

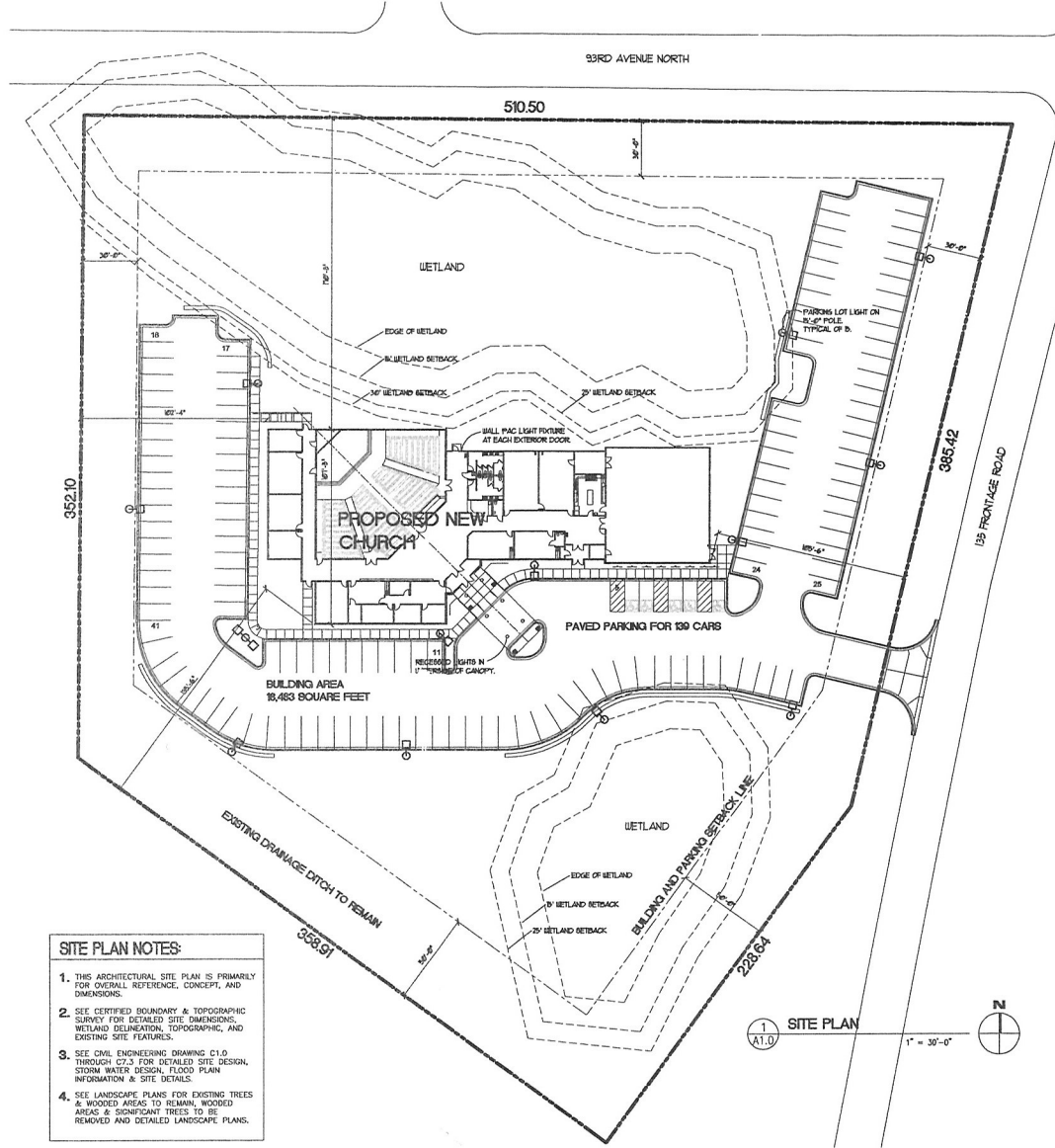
LifeFrame

rescolite

Lighting Cut Sheets

Lighting Schedule

| Item | Description | Quantity | Notes |
|------|---------------------------------|----------|-------|
| 1 | 6" LED Open Downlight LF6LED8G4 | 1 | |
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- SITE PLAN NOTES:**
1. THIS ARCHITECTURAL SITE PLAN IS PRIMARILY FOR OVERALL REFERENCE, CONCEPT, AND DIMENSIONS.
 2. SEE CERTIFIED BOUNDARY & TOPOGRAPHIC SURVEY FOR DETAILED SITE DIMENSIONS, WETLAND DELINEATION, TOPOGRAPHIC, AND EXISTING SITE FEATURES.
 3. SEE CIVIL ENGINEERING DRAWING C1.0 THROUGH C7.3 FOR DETAILED SITE DESIGN, STORM WATER DESIGN, FLOOD PLAN INFORMATION & SITE DETAILS.
 4. SEE LANDSCAPE PLANS FOR EXISTING TREES & WOODED AREAS TO REMAIN, WOODED AREAS & DOMINANT TREES TO BE REMOVED AND DETAILED LANDSCAPE PLANS.

DBA

The Dennis Batty & Associates Group
 architects & planners
 Incorporated

MINNESOTA
 2770 IMPERIAL AVENUE N.
 FORT LAKI, MN 55025
 EMAIL: info@dennisbatty.com
 PHONE: 651-464-3756
 FAX: 651-464-3794

DRAWN BY:

COMMISSION NUMBER:
 2016.06

ISSUE DATE:
 10-7-16

PLOT DATE:
 11-08-16

REVISIONS:

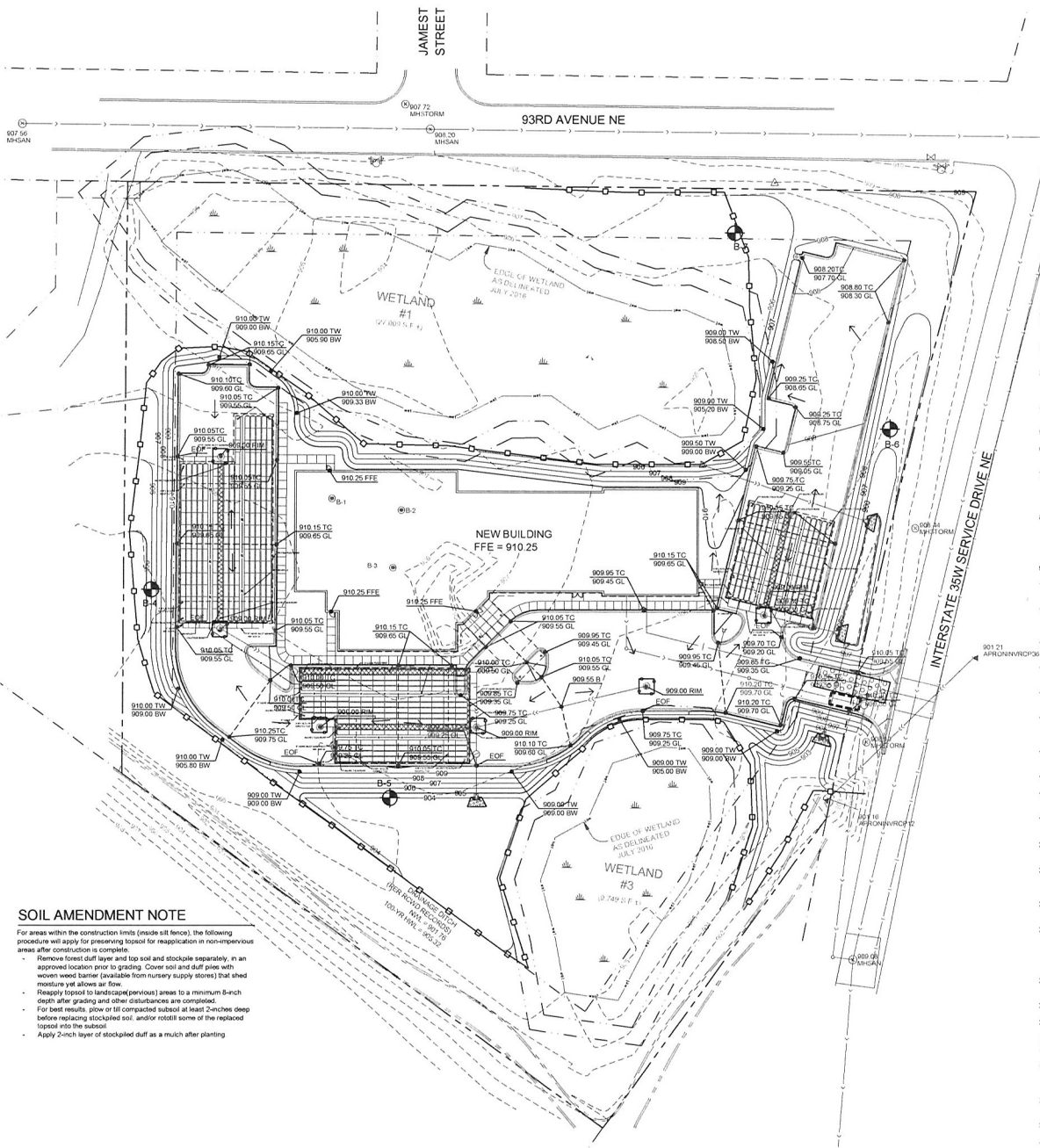
I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA.

DENNIS BATTY
 DATE: _____ REG. NO. 0700

PLANNING PERMIT APPLICATION DRAWING FOR GREAT GRACE ASSEMBLY OF GOD CHURCH
 BLAINE, MN

SITE PLAN

A1.0



LEGEND

| | | |
|--|-----------|------------------------------------|
| | 950 | EXISTING CONTOURS |
| | 950 | PROPOSED CONTOURS - MAJOR INTERVAL |
| | 949 | PROPOSED CONTOURS - MINOR INTERVAL |
| | | GRADE BREAK LINE |
| | | GRADE SLOPE |
| | 2.0% | |
| | | SILT FENCE |
| | | RIP-RAP / ROCK CONST. ENTRANCE |
| | | INLET PROTECTION |
| | | CONCRETE WASHOUT STATION |
| | 950.00 TC | SPOT ELEVATIONS: |
| | 949.50 GL | TC - TOP OF CURB |
| | | GL - GUTTER LINE |
| | | B - BIRMINGHAM |
| | | C - CONCRETE |
| | | EO - EMERGENCY OVERFLOW |
| | | TW - TOP OF WALL |
| | | BW - BOTTOM OF WALL (F.G.) |
| | | (*) - EXISTING TO BE VERIFIED |

EROSION CONTROL NOTES

- Owner and Contractor shall obtain MPCA-NPDES permit. Contractor shall be responsible for all fees pertaining to this permit. The SWPPP shall be kept onsite at all times.
- Install temporary erosion control measures (inlet protection, silt fence, and rock construction entrances) prior to beginning any excavation or demolition work at the site.
- Erosion control measures shown on the erosion control plan are the absolute minimum. The contractor shall install temporary earth dikes, sediment traps or basins, additional siltation fencing, and/or dask the soil parallel to the contours as deemed necessary to further control erosion. All changes shall be recorded in the SWPPP.
- All construction site entrances shall be surfaced with crushed rock across the entire width of the entrance and from the entrance to a point 50 into the construction zone.
- The top of the silt fence shall be trenched in a minimum of 6". The trench backfill shall be comparable to a vibratory plate compactor.
- All grading operations shall be conducted in a manner to minimize the potential for site erosion. Sediment control practices must be established on all down gradient perimeters before any up gradient land disturbing activities begin.
- All exposed soil areas must be stabilized as soon as possible to limit soil erosion but in no case later than 14 days after the construction site or divert water around the site. Must be stabilized within 200 linear feet from the property edge, or from the point of discharge into any surface water. Stabilization of the last 200 linear feet must be completed within 24 hours after connecting to a surface water. Stabilization of the remaining portions of any temporary or permanent ditches or swales must be complete within 14 days after connecting to a surface water and construction in that portion of the ditch has temporarily or permanently ceased.
- The normal wetland perimeter of any temporary or permanent drainage ditch or swale that drains water from any portion of the construction site or diverts water around the site, must be stabilized within 200 linear feet from the property edge, or from the point of discharge into any surface water. Stabilization of the last 200 linear feet must be completed within 24 hours after connecting to a surface water. Stabilization of the remaining portions of any temporary or permanent ditches or swales must be complete within 14 days after connecting to a surface water and construction in that portion of the ditch has temporarily or permanently ceased.
- Pipe outlets must be provided with energy dissipation within 24 hours of connection to surface water.
- All riprap shall be installed with a filter material or soil separation fabric and comply with the Minnesota Department of Transportation Standard Specifications.
- All storm sewers discharging into wetlands or water bodies shall outlet at or below the normal water level of the respective wetland or water body at an elevation where the downstream slope is 1 percent or flatter. The normal water level shall be the lowest elevation of the outlet of the wetland or water body.
- All storm sewer catch basins not needed for site drainage during construction shall be covered to prevent runoff from entering the storm sewer system. Catch basins necessary for site drainage during construction shall be provided with inlet protection.
- In areas where concentrated flows occur (such as swales and areas in front of storm catch basins and intakes) the erosion control facilities shall be faceted by stabilization structure to protect those facilities from the concentrated flows.
- Inspect the construction site once every seven days during active construction and within 24 hours after a rainfall event greater than 0.5 inches in 24 hours. All inspections shall be recorded in the SWPPP.
- All silt fences must be repaired, replaced, or supplemented when they become nonfunctional or the sediment reaches 1/3 of the height of the fence. These repairs must be made within 24 hours of discovery or as soon as field conditions allow access. All repairs shall be recorded in the SWPPP.
- If sediment escapes the construction site, off-site accumulations of sediment must be removed in a manner and at a frequency sufficient to minimize off-site impacts.
- All soils tracked onto pavement shall be removed daily.
- All infiltration areas must be inspected to ensure that no sediment from ongoing construction activity is reaching the infiltration area and these areas are protected from compaction due to construction equipment driving across the infiltration area.
- Temporary soil stockpiles must have silt fence or other effective sediment controls, and cannot be placed in surface waters, including stormwater conveyances such as curb and gutter systems, or conduits and ditches unless there is a bypass in place for the stormwater.
- Collected sediment, asphalt and concrete millings, floating debris, paper, plastic, fabric, construction and demolition debris and other wastes must be disposed of properly and must comply with MPCA disposal requirements.
- Oil, gasoline, paint and any hazardous substances must be properly stored, including secondary containment, to prevent spills, leaks or other discharge. Restricted access to storage areas must be provided to prevent vandalism. Storage and disposal of hazardous waste must be in compliance with MPCA regulations.
- External washing of trucks and other construction vehicles must be limited to a defined area of the site. Runoff must be contained and waste properly disposed of. No engine degreasing is allowed onsite.
- All liquid and solid wastes generated by concrete washout operations must be contained in a leak-proof containment facility or impermeable liner. A compacted clay liner that does not allow washout liquids to enter ground water is considered an impermeable liner. The liquid and solid wastes must not contact the ground, and there must not be runoff from the concrete washout operations or areas. Liquid and solid wastes must be disposed of properly and in compliance with MPCA regulations. A sign must be installed adjacent to each washout facility to inform concrete equipment operators to utilize the proper facilities.
- Upon completion of the project and stabilization of all graded areas, all temporary erosion control facilities (silt fences, hay bales, etc.) shall be removed from the site.
- All permanent sedimentation basins must be restored to their design condition immediately following stabilization of the site.
- Contractor shall submit Notice of Termination for MPCA-NPDES permit within 30 days after Final Stabilization.

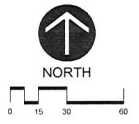
GRADING NOTES

- Tree protection consisting of snow fence or safety fence installed at the dip line shall be in place prior to beginning any grading or demolition work at the site.
- All elevations with an asterisk (*) shall be field verified. If elevations vary significantly, notify the Engineer for further instructions.
- Grades shown in paved areas represent finish elevation.
- Restore all disturbed areas with 4" of good quality topsoil and seed.
- All construction shall be performed in accordance with state and local standard specifications for construction.

SOIL AMENDMENT NOTE

For areas within the construction limits (inside silt fence), the following procedure will apply for preserving topsoil for reapplication in non-impervious areas after construction is complete.

- Remove forest duff layer and top soil and stockpile separately, in an approved location prior to grading. Cover soil and duff piles with woven weed barrier (available from nursery supply stores) that sheds moisture yet allows air flow.
- Reapply topsoil to landscape (previous) areas to a minimum 8-inch depth after grading and other disturbances are completed.
- For best results, plow or till compacted subsoil at least 2-inches deep before replacing stockpiled soil, and/or rototill some of the replaced topsoil into the subsoil.
- Apply 2-inch layer of stockpiled duff as a mulch after planting.



The Dennis Batty & Associates Group
architects & engineers
Incorporated

MINNESOTA
22770 IMPERIAL AVENUE N.
FOREST LAKE, MN 55025
EMAIL: info@dennisbatty.com
PHONE: 651-464-3756
FAX: 651-464-3794

MISSOURI
3242 WHEAT WINDWARD PASS
SPRINGFIELD, MO 65810
EMAIL: info@dennisbatty.com
PHONE: 417-869-8540
FAX: 417-869-1644

DRAWN BY:
KOKAJA
COMMISSION NUMBER:
12166087
ISSUE DATE:
10/07/16
PLOT DATE:
10/07/16
REVISIONS:

Larson Engineering, Inc.
3524 Laborn Road
White Bear Lake, MN 55110
651 481 9120 (f) 651 481 9201
www.larsoneng.com

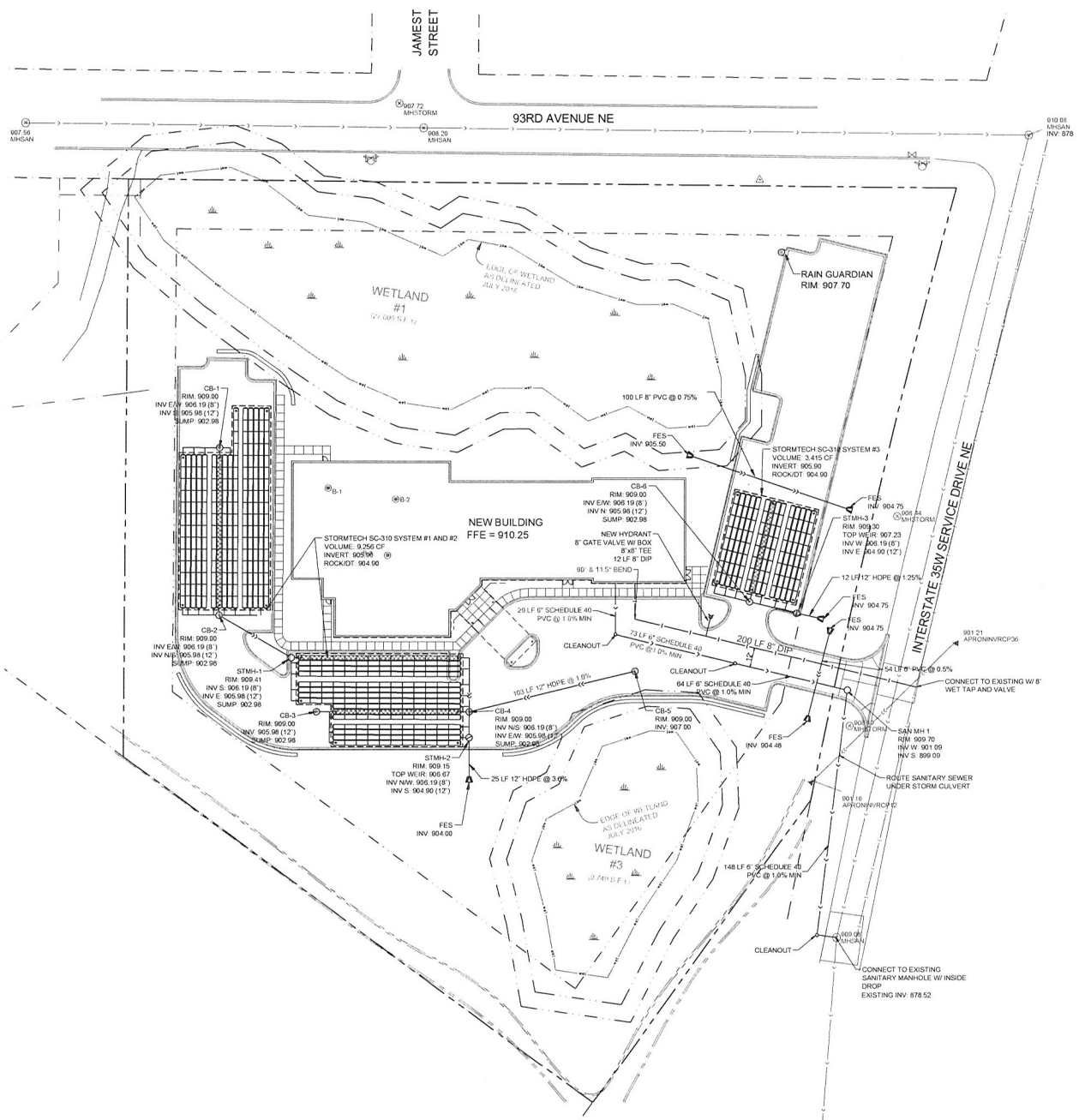
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I hereby certify that this plan, specifications or report was prepared by me or under my direct supervision and that I am a duly licensed Professional Engineer under the laws of the state of Minnesota.
Mark Woodruff, P.E.
Mark Woodruff, P.E.
Date: 05/26/15 Reg. No. 41995

PRELIMINARY NOT FOR CONSTRUCTION

SCHEMATIC DESIGN FOR GREAT GRACE ASSEMBLY OF GOD
BLAINE, MN

GRADING AND EROSION CONTROL PLAN

C3.0



LEGEND

| | |
|-----|------------------------------|
| ○ | STORM MANHOLE |
| ○ | CATCH BASIN |
| □ | CURB INLET |
| △ | FLARED END |
| ○ | SANITARY MANHOLE |
| ⊕ | HYDRANT |
| ⊕ | GATE VALVE & BOX |
| ⊕ | WATER SHUTOFF |
| ⊕ | LIGHT POLE |
| —○— | CIV |
| —○— | OE |
| —○— | UE |
| —○— | FO |
| —○— | FIBER OPTIC UNDERGROUND LINE |
| —○— | NATURAL GAS UNDERGROUND LINE |
| —○— | SANITARY SEWER PIPE |
| —○— | STORM SEWER PIPE |
| —○— | TELEPHONE UNDERGROUND LINE |
| —○— | WATERMAIN PIPE |
| —○— | DRAIN TILE PIPE |

- UTILITY NOTES**
- It is the responsibility of the contractor to perform or coordinate all necessary utility connections and relocations from existing utility locations to the proposed building, as well as to all onsite amenities. These connections include but are not limited to water, sanitary sewer, cable TV, telephone, gas, electric, site lighting, etc.
 - All service connections shall be performed in accordance with state and local standard specifications for construction. Utility connections (sanitary sewer, watermain, and storm sewer) may require a permit from the City.
 - The contractor shall verify the elevations at proposed connections to existing utilities prior to any demolition or excavation.
 - The contractor shall notify all appropriate engineering departments and utility companies 72 hours prior to construction. All necessary precautions shall be made to avoid damage to existing utilities.
 - Storm sewer requires testing in accordance with Minnesota plumbing code 4714.1109 where located within 10 feet of easelines or the building.
 - HDPE storm sewer piping shall meet ASTM F2306 and fittings shall meet ASTM D3212 joint pressure test. Installation shall meet ASTM C2321.
 - All RCP pipe shown on the plans shall be MNDOT class 3.
 - Maintain a minimum of 7' of cover over all water lines and sanitary sewer lines. Install water lines 18" above sanitary sewers where the sanitary sewer crosses over the water line. Install sewer piping of materials equal to watermain standards for 4' feet on both sides and maintain 12" of separation.
 - Where 7' of cover is not provided over sanitary manholes and water lines, install 2" rigid polyethylene insulation (MNDOT 3700) with a thermal resistance of at least 5 and a compressive strength of at least 25 psi. Insulation shall be 6" wide, centered over pipe with 6" sand cushion between pipe and insulation. Where depth is less than 6", use 4" of insulation.
 - All watermain piping shall be class 52 ductile iron pipe unless noted otherwise.
 - See Project Specifications for bedding requirements.
 - Pressure test and disinfect all new watermains in accordance with state and local requirements.
 - Sanitary sewer piping shall be PVC, SDR-35 for depths less than 12', PVC SDR-26 for depths between 12' and 26', and class 52 D.I.P. for depths of 26' or more.



The Dennis Batty & Associates Group
 architects & engineers
 Incorporated

MINNESOTA
 22770 IMPERIAL AVENUE N.
 FOREST LAKE, MN 55025
 EMAIL: info@dennishatty.com
 PHONE: 651-464-3756
 FAX: 651-464-3794

MISSOURI
 3242 WEST WINDWARD PASS
 SPRINGFIELD, MO 65810
 EMAIL: info@dennishatty.com
 PHONE: 417-889-8540
 FAX: 417-889-1644

DRAWN BY:
 KIRK/KA
COMMISSION NUMBER:
 12166087
ISSUE DATE:
 10.07.16
PLOT DATE:
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REVISIONS:

Larson Engineering, Inc.
 3524 Labore Road
 White Bear Lake, MN 55110
 651.481.9120 (F) 651.481.9201
 www.larsonengr.com

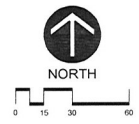
© 2015 Larson Engineering, Inc. All rights reserved.
 I hereby certify that the plan, specifications or report was prepared by me or under my direct supervision and that I am a duly licensed Professional Engineer under the laws of the state of Minnesota.
Mark Woodoff
 Mark Woodoff, P.E.
 Date: 05.20.15 Reg. No. 41865

PRELIMINARY NOT FOR CONSTRUCTION

SCHEMATIC DESIGN FOR GREAT GRACE ASSEMBLY OF GOD
 BLAINE, MN

UTILITY PLAN

C4.0





The Dennis Batty & Associates Group
architects & engineers
Incorporated

MINNESOTA
22770 IMPERIAL AVENUE N.
FOREST LAKE, MN 55025
EMAIL: info@dennisbatty.com
PHONE: 651-464-3756
FAX: 651-464-3794

MISSOURI
3242 WEST WINDWARD PASS
SPRINGFIELD, MO 65810
EMAIL: info@dennisbatty.com
PHONE: 417-889-8540
FAX: 417-889-1644

DRAWN BY:

COMMISSION NUMBER:

ISSUE DATE:

PLOT DATE:
11-23-2016

REVISIONS:

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA.

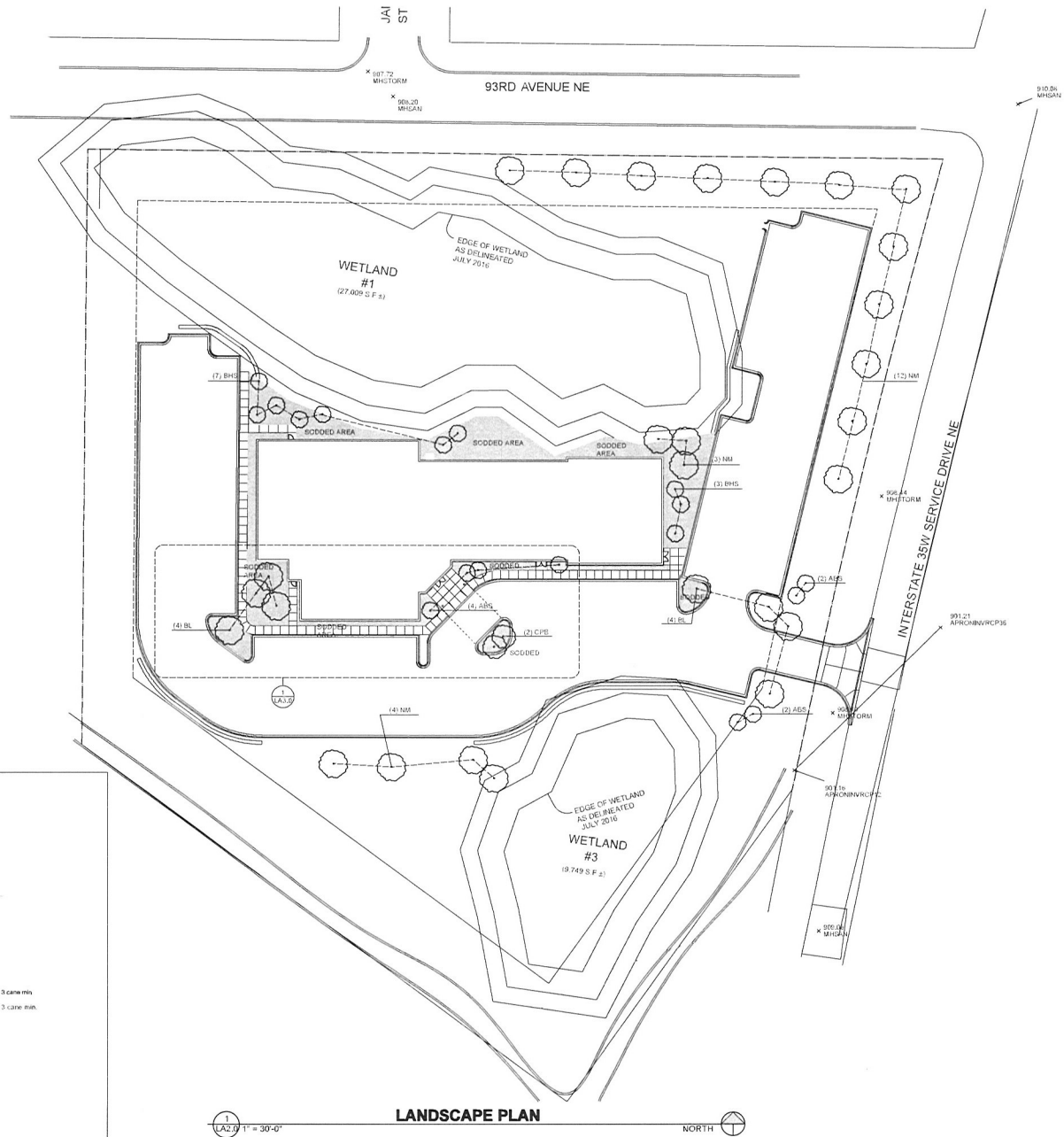
DENNIS BATTY
DATE: 11-08-2016 REG. NO. 12136

SCHEMATIC DESIGN FOR
GREAT GRACE
ASSEMBLY OF GOD

BLANE, MN

LANDSCAPE PLAN

LA2.0



Landscape and tree preservation ordinance count requirements

Proposed building area = 16,333sf
Site perimeter = 1.81mi
Site area = 4.86 acres

Landscape Requirements

31.06.02

Quantity Deciduous Trees

The number of one ornamental tree per 2,000 sf of site area or 10% of site perimeter, whichever is greater, shall be provided in the landscape plan.
1.5 to 1.9 ft of permanent shrubs by 100 SF = 10 trees
16 ornamental trees will be provided in the landscape plan.

Coniferous Trees

The number of one coniferous tree per 2,000 sf of site area or 10% of site perimeter, whichever is greater, shall be provided in the landscape plan.
16 4.5 ft of shrubs by 2,000 sf = 10 trees
1.5 to 1.9 ft of permanent shrubs by 100 SF = 10 trees
10 coniferous trees will be provided in the landscape plan.

Shrubs

The number of one shrub per 200 sf of building area or 10% of site perimeter, whichever is greater, shall be provided in the landscape plan.
1.5 to 1.9 ft of permanent shrubs by 100 SF = 10 trees
10 shrubs will be provided in the landscape plan.

Ornamental Trees

The number of one ornamental tree per 2,000 sf of site area or 10% of site perimeter, whichever is greater, shall be provided in the landscape plan.
16 4.5 ft of shrubs by 2,000 sf = 10 trees
1.5 to 1.9 ft of permanent shrubs by 100 SF = 10 trees
10 ornamental trees will be provided in the landscape plan.

21.11

Tree Replacement

31.11(a)(1) states that trees cleared for development of a site shall be replaced up to a 4:1 ratio. Trees required by the approved landscape plan shall be provided in replacement for all trees removed if all the requirements of this ordinance have been fulfilled.

The total site area is 4.86 acres. We are clearing 2.5 acres of this site. Under this part of the ordinance, we must replace a total of 10 to 24 trees. This would mean that the landscape plan requirements would exceed the tree replacement requirements. 22 deciduous and coniferous trees will be provided in the landscape plan (20+5).

PLANT LIST

DECIDUOUS TREES

| Quantity | Symbol | Common Name | Botanical Name | Size | Spacing |
|----------|--------|--------------------|---------------------------|----------|----------|
| (8) | BL | Buckeye Linden | Tilia americana 'Buckeye' | 2.5' B&B | Per plan |
| (18) | NM | Northern red maple | Acer rubrum 'Northwood' | 2.5' B&B | Per plan |

EVERGREEN TREES

| | | | | | |
|------|-----|--------------------|----------------------|-------|----------|
| (10) | BHS | Black Hills Spruce | Picea glauca 'Densa' | 6' Ht | Per plan |
|------|-----|--------------------|----------------------|-------|----------|

ORNAMENTAL TREES

| | | | | | |
|-----|-----|--------------------------------|---------------------------|-----------|-------------------------|
| (6) | ABS | Autumn Brilliance Serviceberry | Amelanchier x grandiflora | 8' Ht B&B | Multi-stem, 3 cane min. |
| (2) | CPB | Clump Paper Birch | Betula papyrifera 'Clump' | 6' Ht B&B | Multi-stem, 3 cane min. |

SHRUBS

| | | | | | |
|------|-----|---------------------------|-------------------------------|----|----------|
| (76) | SJ | Scandia Juniper | Juniperus sibirica 'Sibirica' | #3 | 42" O.C. |
| (10) | ESH | Endless Summer Hydrangea | Hydrangea macrophylla | #3 | 42" O.C. |
| (25) | KFG | Karl Foerster Flood Grass | Calamagrostis acutiflora | #3 | Per plan |

1
LA2.0 1" = 30'-0"

LANDSCAPE PLAN



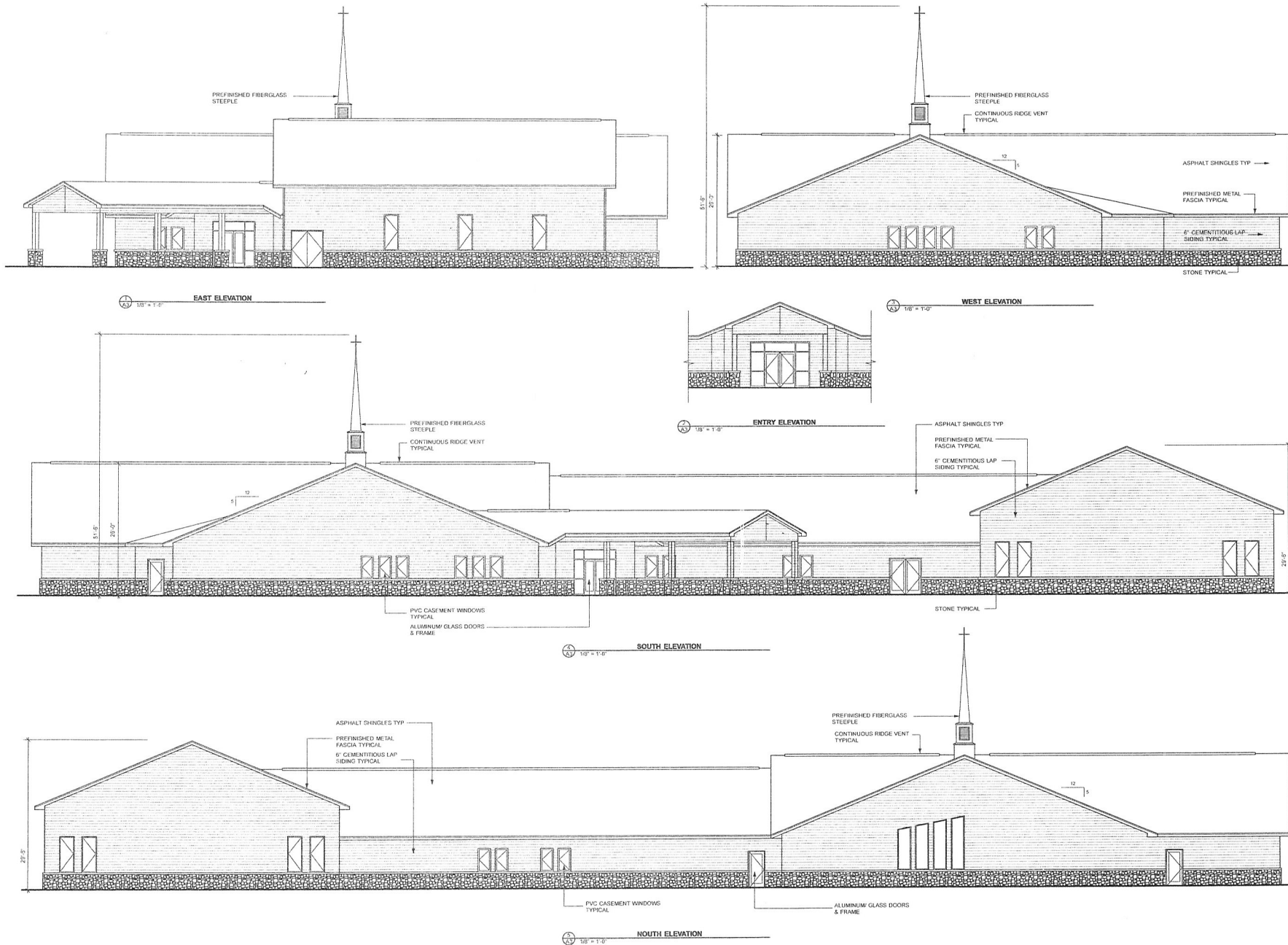
I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA.

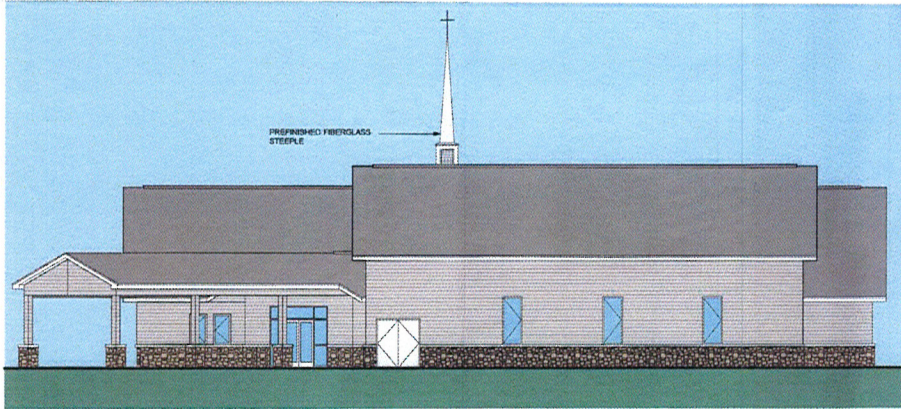
Dennis Batty
DENNIS BATTY
DATE: 10-07-2016 REG. NO. 12130

SCHEMATIC DESIGN FOR
GREAT GRACE
ASSEMBLY OF GOD
BLAINE, MN

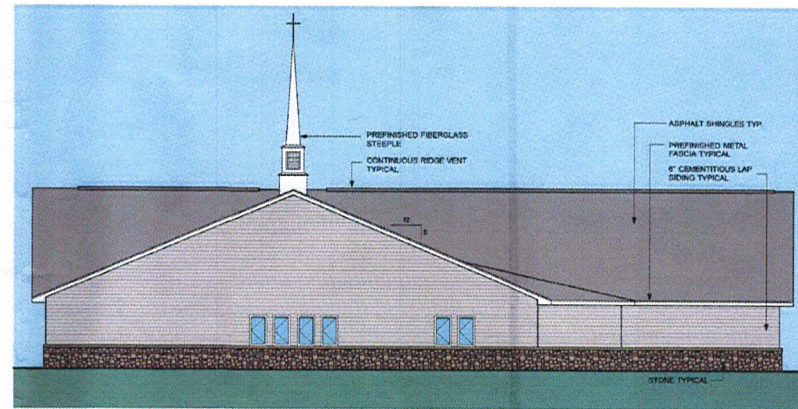
BUILDING
ELEVATIONS

A3.0b

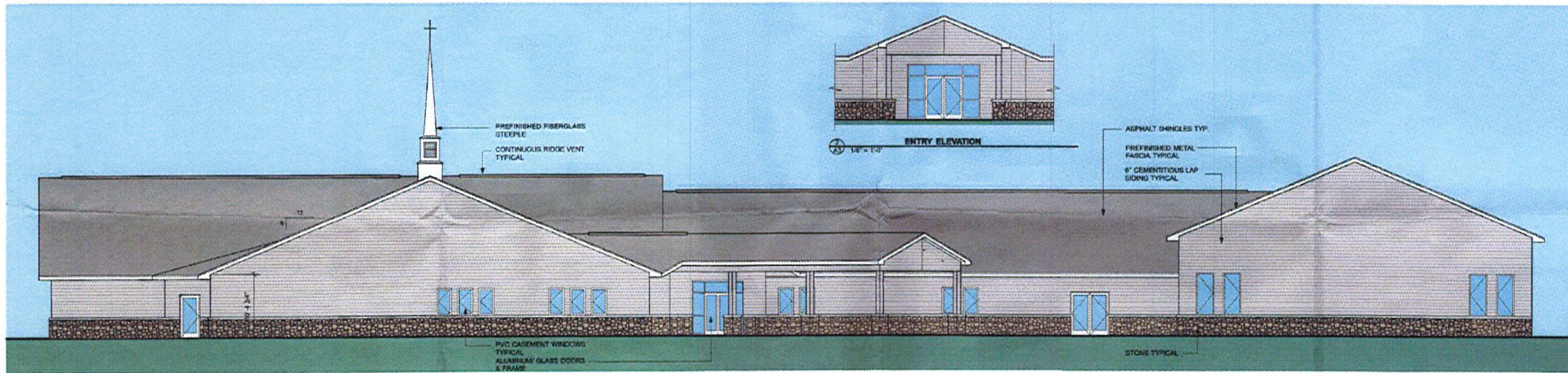




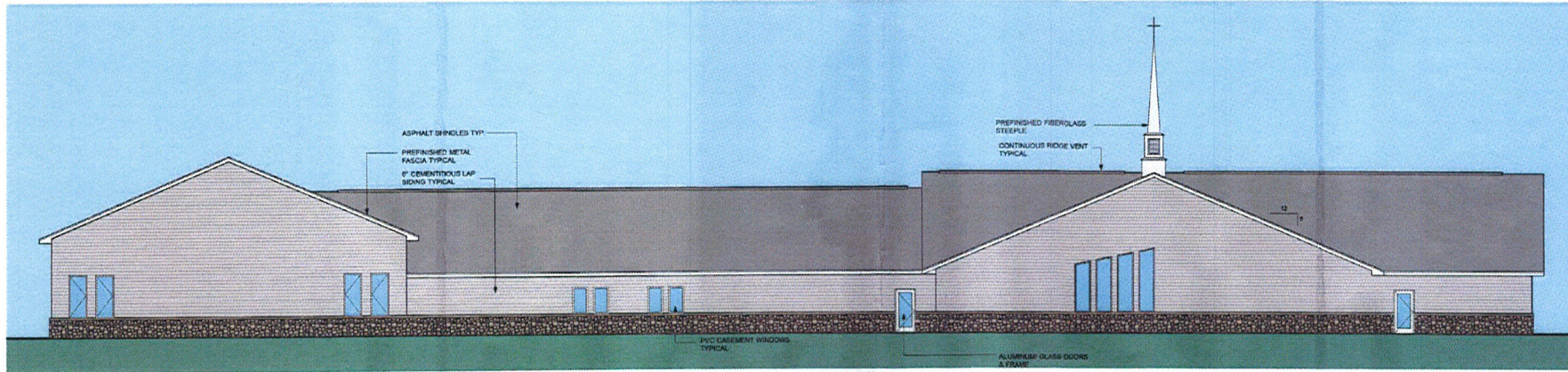
1/8" = 1'-0" EAST ELEVATION



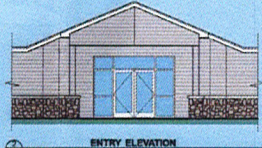
1/8" = 1'-0" WEST ELEVATION



1/8" = 1'-0" SOUTH ELEVATION



1/8" = 1'-0" NORTH ELEVATION



1/8" = 1'-0" ENTRY ELEVATION



The Dennis Batty & Associates Group
architects & engineers
Incorporated

MINNESOTA
2270 IMPERIAL AVENUE N.
FOREST LAKE, MN 55055
EMAIL: info@dennisbatty.com
PHONE: 651-464-3756
FAX: 651-464-3794

MISSOURI
3342 WEST WINDWARD PASS
SPRINGFIELD, MO 65810
EMAIL: info@dennisbatty.com
PHONE: 417-899-1650
FAX: 417-899-1644

DRAWN BY:

CONNECTION NUMBER:

ISSUE DATE:

PLOT DATE:

REVISIONS:

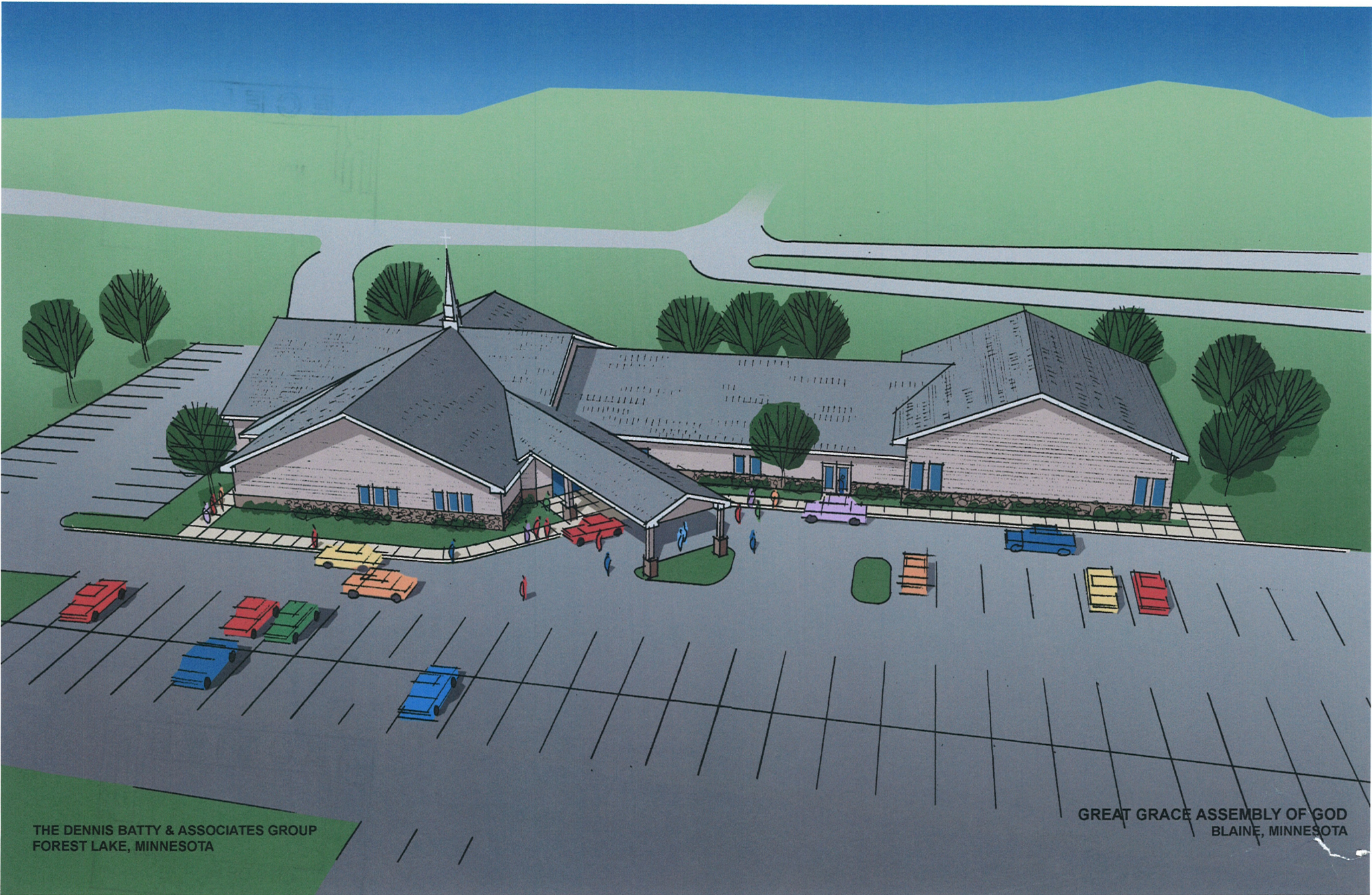
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DENNIS BATTY
DATE: 11-08-2018 REG. NO. 12130

SCHEMATIC DESIGN FOR
GREAT GRACE
ASSEMBLY OF GOD
BLAINE, MN

BUILDING
ELEVATIONS
WITH COLOR

A3.0a



THE DENNIS BATTY & ASSOCIATES GROUP
FOREST LAKE, MINNESOTA

GREAT GRACE ASSEMBLY OF GOD
BLAINE, MINNESOTA



THE DENNIS BATTY & ASSOCIATES GROUP
FOREST LAKE, MINNESOTA

GREAT GRACE ASSEMBLY OF GOD
BLAINE, MINNESOTA

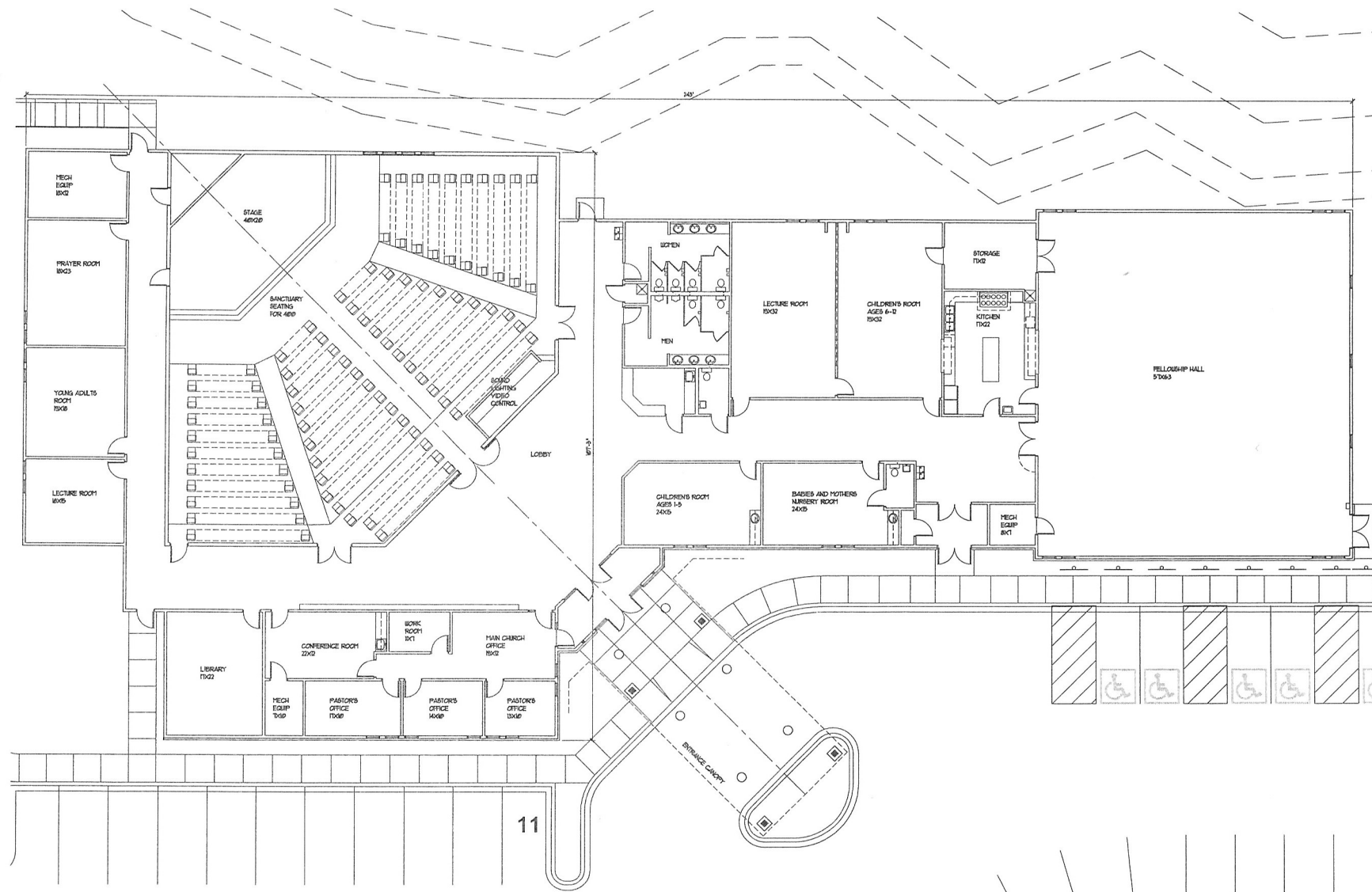
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DENNIS BATTY
DATE: _____ REG. NO. 0069

PLANNING PERMIT
APPLICATION DRAWING FOR
GREAT GRACE
ASSEMBLY OF GOD
CHURCH
BLAINE, MN

MAIN FLOOR
PLAN

A2.0



NEW BUILDING
FLOOR AREA
18,483 SF

1 MAIN FLOOR PLAN
A1.0

1" = 8'-0"



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