

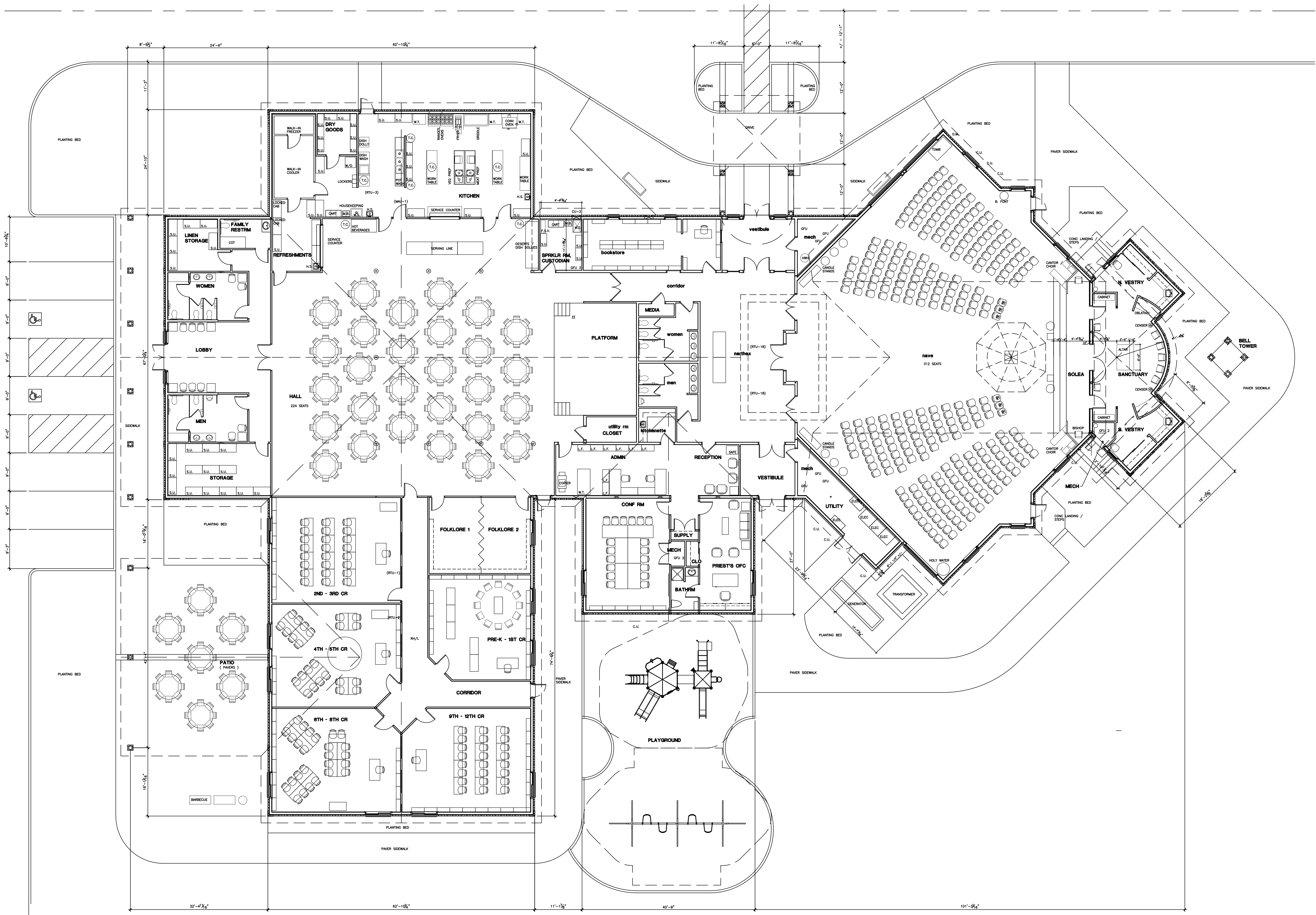
MARK	DATE	REMARKS
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3	-	-
2	-	-
1	-	-

**RENOVATION / ADDITION**  
**EXIST'G CHURCH BUILDING**  
ST. BASIL OF OSTROG SERBIAN ORTHODOX CHURCH  
27450 N. BRADLEY ROAD  
LAKE FOREST, IL 60045

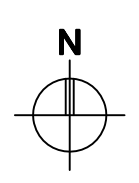
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ARCHITECTURE ET CETERA

2401 Sunnyslope Drive  
Crown Point, IN 46307  
425 - 736 3016  
ebalach@comcast.net

DATE	NOVEMBER 4, 2019
APPROVED BY	-
CHECKED BY	-
DRAWN BY	EB
SHEET DESCRIPTION	FLOOR PLAN
SHEET NUMBER	<b>SD-1</b>
FILE NAME	-
PROJECT NUMBER	1402

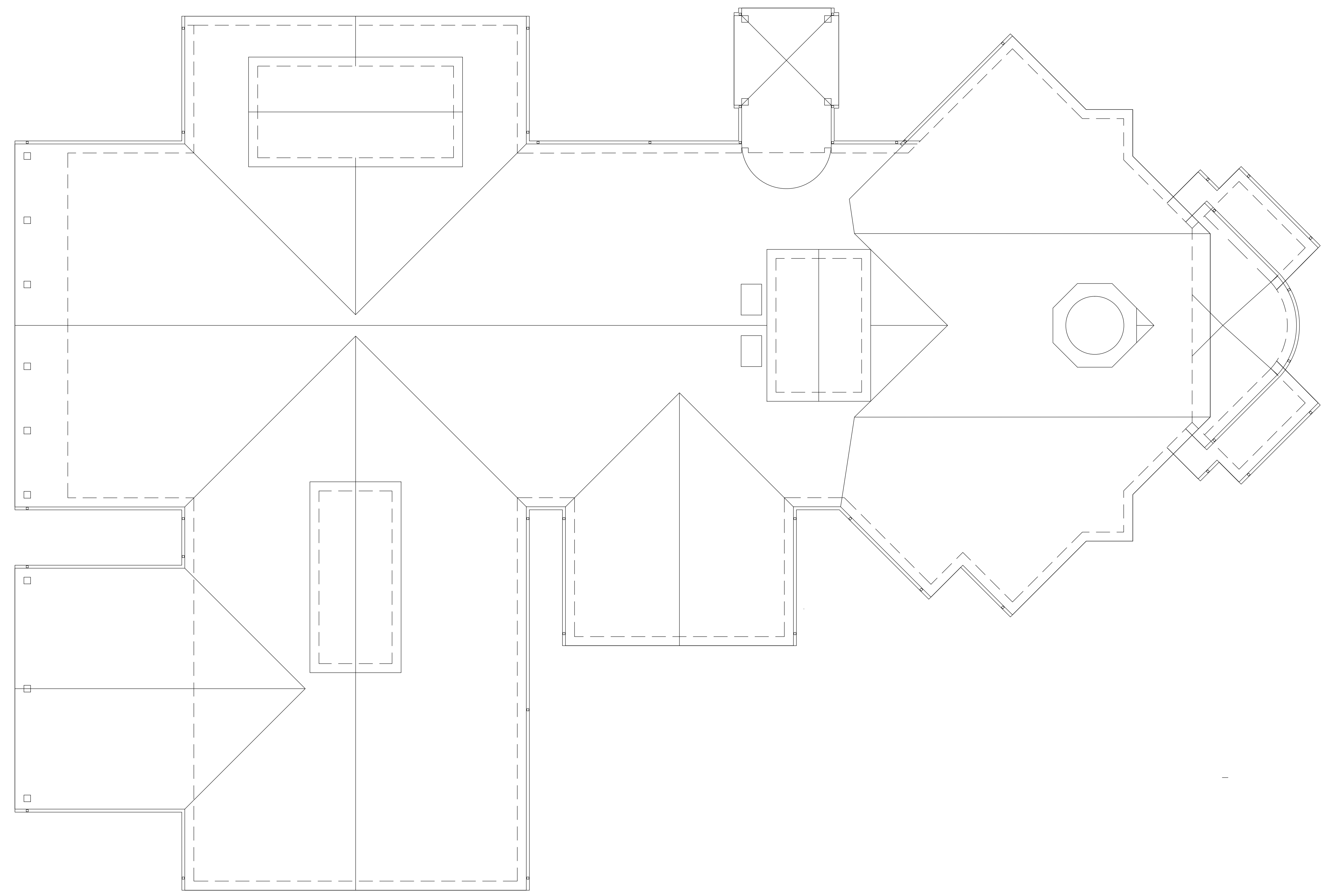


**20 FLOOR PLAN**  
3/32" = 1'-0"



MARK	DATE	REMARKS
4	-	-
3	-	-
2	-	-
1	-	-

REVISIONS



**RENOVATION / ADDITION  
EXIST'G CHURCH BUILDING**

ST. BASIL OF OSTROG SERBIAN ORTHODOX CHURCH  
27450 N. BRADLEY ROAD  
LAKE FOREST, IL 60045

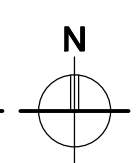
**arketset**  
ARCHITECTURE ET CETERA

2401 Sunnyslope Drive  
Crown Point, IN 46307  
425 - 736 3016  
ebalach@comcast.net

DATE	NOVEMBER 4, 2019
APPROVED BY	-
CHECKED BY	-
DRAWN BY	EB
SHEET DESCRIPTION	ROOF PLAN
SHEET NUMBER	-

**SD-1.2**

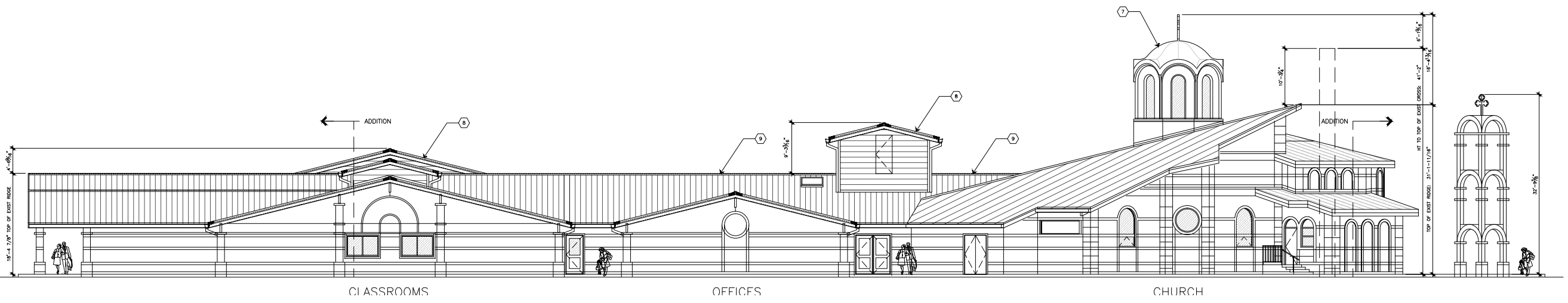
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PROJECT NUMBER 1402



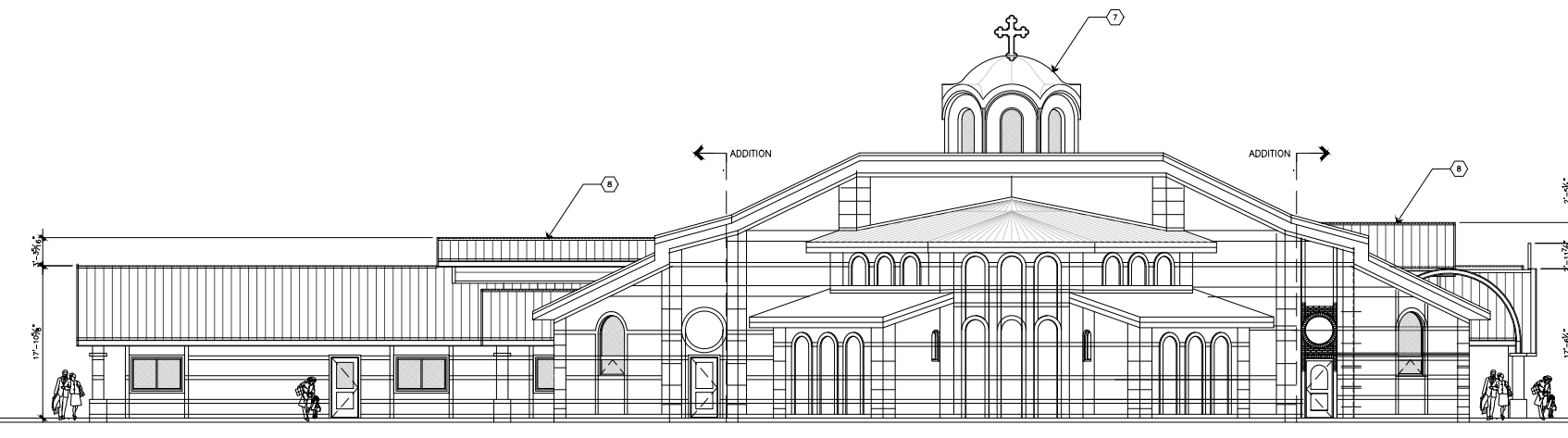
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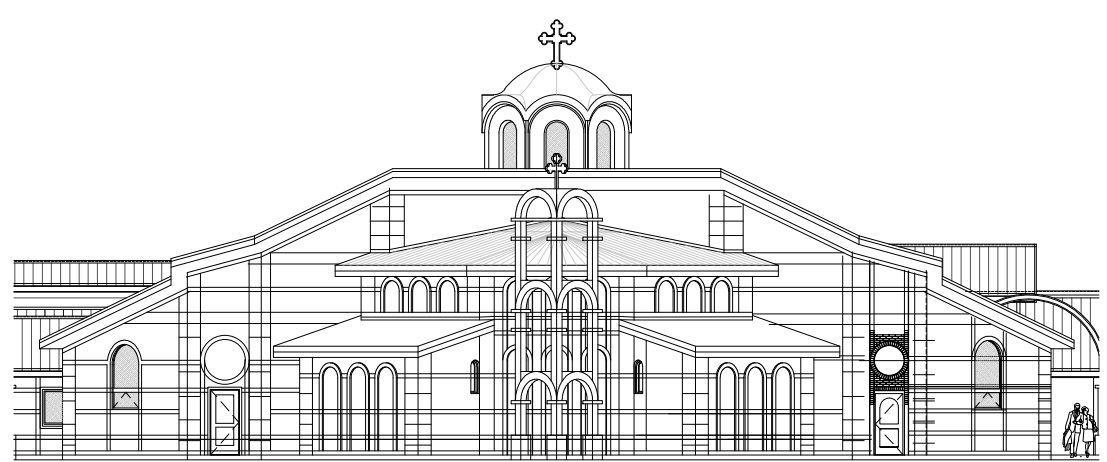
17 WEST ELEVATION  
3/32" = 1'-0"



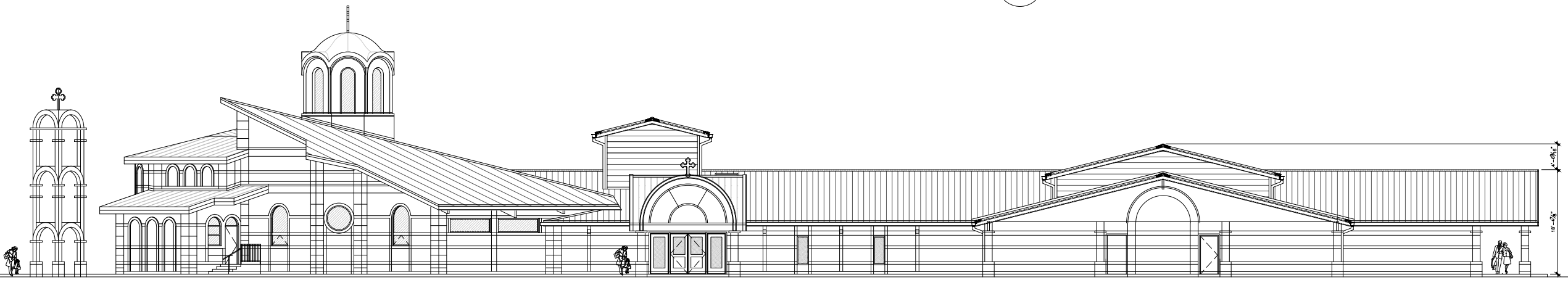
18 SOUTH ELEVATION  
3/32" = 1'-0"



19 EAST ELEVATION  
3/32" = 1'-0"



7 PARTIAL EAST ELEVATION - BELL TOWER SUPERIMPOSED  
3/32" = 1'-0"



20 NORTH ELEVATION  
3/32" = 1'-0"

ELI BALACH, ARCHITECT  
© 2014

4	-	-
3	-	-
2	-	-
1	-	-

MARK DATE REMARKS  
REVISIONS

**RENOVATION / ADDITION**  
**EXIST'G CHURCH BUILDING**  
ST. BASIL OF OSTROG - SERBIAN ORTHODOX CHURCH  
27450 N. BRADLEY ROAD  
LAKE FOREST, IL 60045

**arketset**  
ARCHITECTURE ET CETERA

2401 Sunnyslope Drive  
Crown Point, IN 46307  
425 - 736 3016  
ebalach@comcast.net

DATE: NOVEMBER 4, 2019

APPROVED BY: \_\_\_\_\_

CHECKED BY: \_\_\_\_\_

DRAWN BY: EB

SHEET DESCRIPTION: EXTERIOR BUILDING ELEVATIONS

SHEET NUMBER: **SD-3.3**

FILE NAME: \_\_\_\_\_

PROJECT NUMBER: \_\_\_\_\_



0 15' 30'

Scale: 1" = 30'

CALL JULIE TOLL FREE  
815-233-3300  
CALL 48 HOURS BEFORE YOU DIG

NO.	DATE	REVISION
1	6/20/19	Parking Stall Layout & New Addition Footprint
2	7/16/19	Updated Layout & Drive Aisles w/ Corrections
3	9/13/19	Add & Remove Site Plans/50' Parking Stalls
4	10/1/19	Add Detached Garage/24'0" (Arch. 02/25/19)
5	10/31/19	Reduce Signic Field Area/Add Storm Sewer
6	10/4/19	Reconcile the Improvment Area/Update Table
7	10/31/19	Rev. 10' Curbside Lic. Easement Drives
8	10/31/19	Rev. 10' Curbside Lic. Easement Drives
9	10/31/19	Rev. 10' Curbside Lic. Easement Drives
10	10/31/19	Rev. 10' Curbside Lic. Easement Drives
11	7/15/20	Add: Parking Stalls (Per Village)

**NORMAN J. TOBERMAN & ASSOCIATES, LLC**  
 CIVIL ENGINEERS & SURVEYORS  
 118 S. White Road, Suite 201, Mettawa, IL 60045  
 Tel: (847) 233-3300  
 Fax: (847) 233-3301  
 n.j.toberman@norman-j.com  
 nja@norman-j.com  
 IL Design Firm: 184,025910  
 Engineer: 480-02021

**EXISTING CONDITIONS & DEMO PLAN**  
 CHURCH RENOVATION & ADDITION  
 ST. BASIL OF OSTROG SERBIAN ORTHODOX CHURCH  
 27450 N BRADLEY ROAD  
 METTAWA, IL 60045

PRELIMINARY - NOT FOR CONSTRUCTION

THIS SEAL IS VOID IF NON-PRINTED CHANGES APPEAR ON THESE PLANS

FOR N.J. TOBERMAN  
 050567  
 REGISTERED PROFESSIONAL ENGINEER  
 OF ILLINOIS  
 EXPIRES: 11/30/21

DATE: \_\_\_\_\_  
 DRAWN BY: \_\_\_\_\_  
 DESIGN BY: \_\_\_\_\_  
 APPROVED BY: \_\_\_\_\_

Sheet No.  
**C-1P**  
 NJT Project No.  
**19-6980**

#14080 W Old School Rd.

#14032 W Old School Rd.

W Old School Road (Village Road)

Village Road

N Bradley Rd.

#27535 N Bradley Rd.

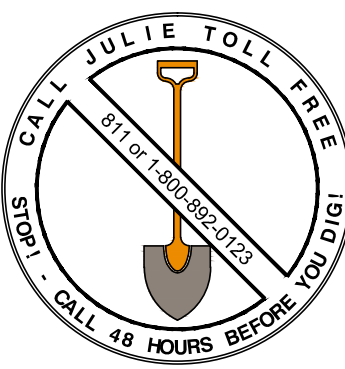
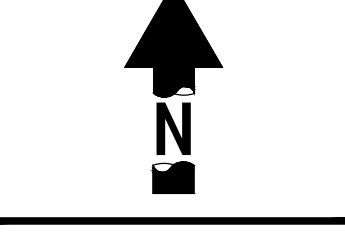
#855 N Bradley Rd.

#14253 Riteway Rd.

#0 Maureen Ln.

#6 Maureen Ln.

0 15' 30'  
Scale: 1" = 30'



NO.	DATE	REVISION
1	6/20/19	Parking Stall Layout & New Addition Footprint
2	7/16/19	Updated Layout & Drive Aides w/ Connections
3	9/13/19	Add & Revise Site Plans 150-Parking Stalls
4	9/13/19	Add & Revise Site Plans 150-Parking Stalls
5	9/13/19	Add & Revise Site Plans 150-Parking Stalls
6	10/4/19	Add & Revise Site Plans 150-Parking Stalls
7	10/4/19	Redesign Septic Field Area/Add Storm Sewer
8	10/30/19	Recalculate the Impervious Area/Update Table
9	10/30/19	Rev. Play Grt. Curb/Adj. L.C. East/West Drives
10	10/30/19	Rev. Play Grt. Curb/Adj. L.C. East/West Drives
11	11/15/20	Add Parking Stalls Number & Change Plat. For Legibility

**NORMAN J. TOBERMAN & ASSOCIATES, LLC**  
 CIVIL ENGINEERS & SURVEYORS  
 118 S. White Road, Suite 201, Arlington Heights, IL 60006  
 P: (847) 399-8888  
 F: (847) 399-8888  
 E: njt@toberman.com  
 IL Design Firm #: 064-005910  
 Expires: 4-30-2021

**SITE PLAN**  
 CHURCH RENOVATION & ADDITION  
 ST. BASIL OF OSTROG SERBIAN ORTHODOX CHURCH  
 27450 N BRADLEY ROAD  
 METTAWA, IL 60045

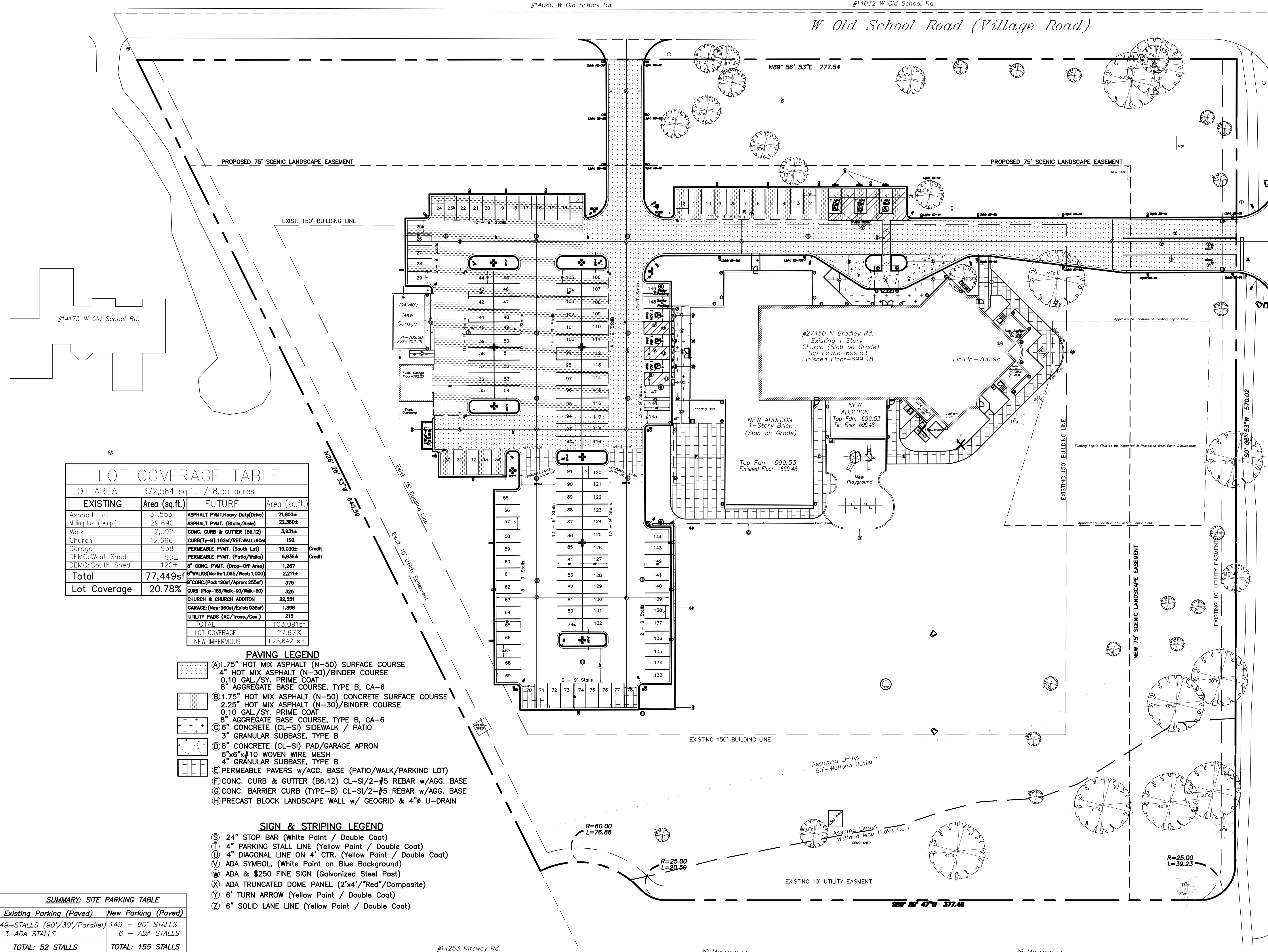
THIS SEAL IS VOID IF NON-PRINTED  
 CHANGES APPEAR ON THESE PLANS  
  
 EXPIRES: 11/30/21

DATE: \_\_\_\_\_  
 DRAWN BY: \_\_\_\_\_  
 DESIGN BY: \_\_\_\_\_  
 APPROVED BY: \_\_\_\_\_

Sheet No.  
**C-2P**

NJT Project No.  
**19-6980**

PRELIMINARY - NOT FOR CONSTRUCTION

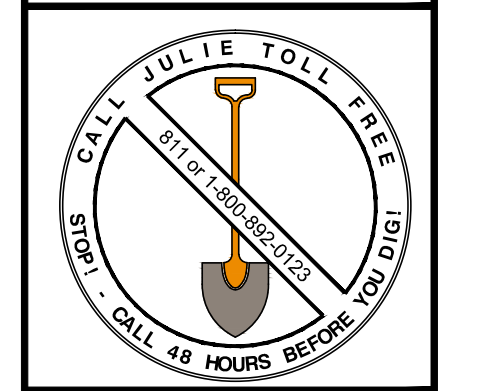
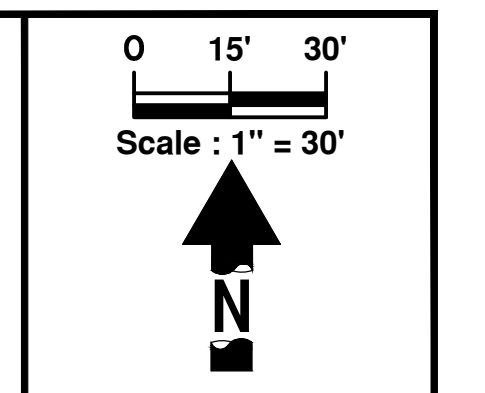
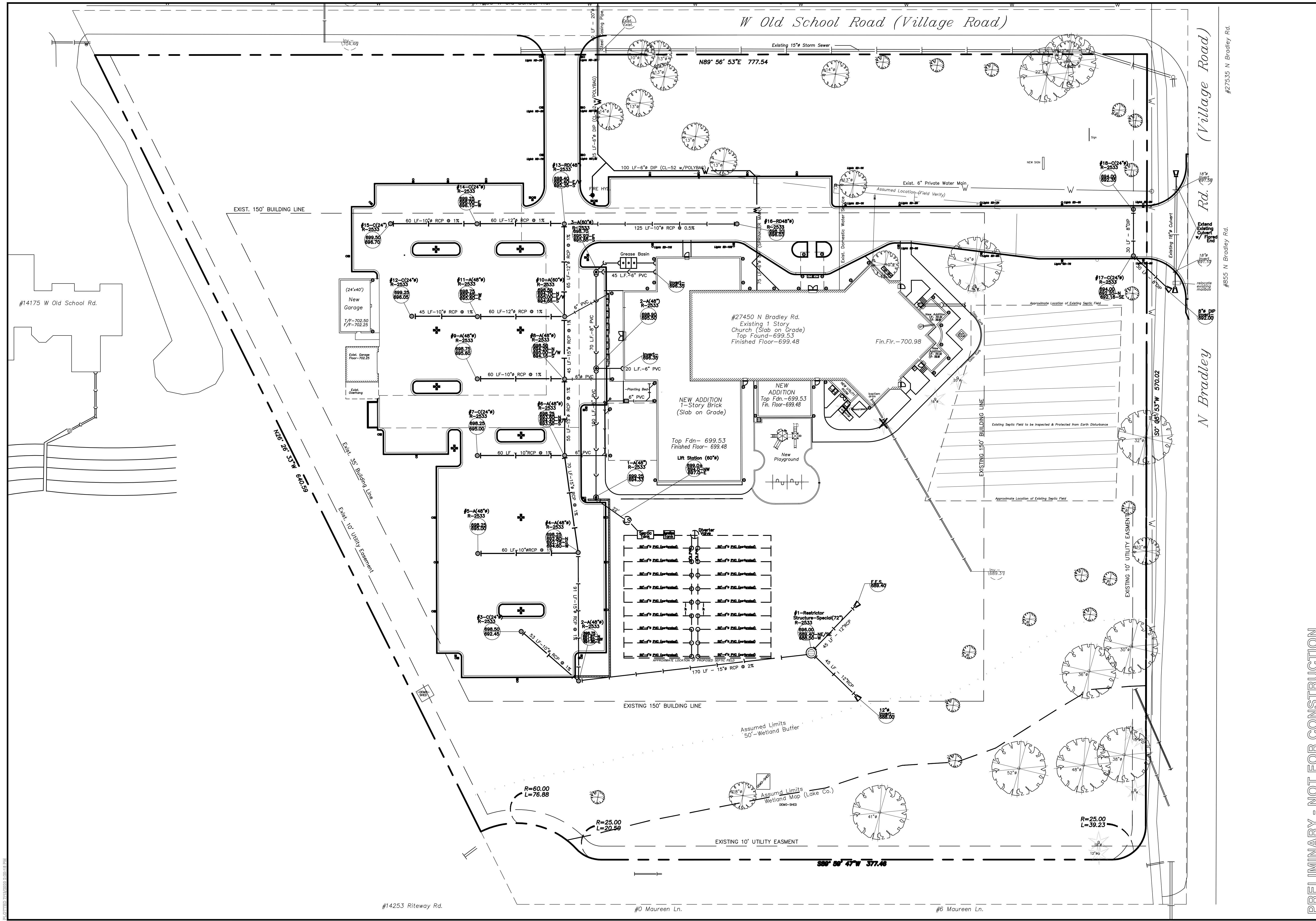


LOT AREA	372,564 sq.ft. / 8.55 acres
<b>EXISTING</b>	<b>Area (sq.ft.)</b>
Asphalt Lot	31,553
Milling Lot (temp.)	29,690
Walk	2,392
Church	12,666
Garage	938
DEMO: West Shed	90±
DEMO: South Shed	120±
<b>Total</b>	<b>77,449sf</b>
<b>Lot Coverage</b>	<b>20.78%</b>

- PAVING LEGEND**
- (A) 1.75" HOT MIX ASPHALT (N-50) SURFACE COURSE  
 4" HOT MIX ASPHALT (N-30)/BINDER COURSE  
 0.10 GAL./SY. PRIME COAT  
 8" AGGREGATE BASE COURSE, TYPE B, CA-6
  - (B) 1.75" HOT MIX ASPHALT (N-50) CONCRETE SURFACE COURSE  
 2.25" HOT MIX ASPHALT (N-30)/BINDER COURSE  
 0.10 GAL./SY. PRIME COAT  
 8" AGGREGATE BASE COURSE, TYPE B, CA-6
  - (C) 6" CONCRETE (CL-SI) SIDEWALK / PATIO  
 3" GRANULAR SUBBASE, TYPE B
  - (D) 8" CONCRETE (CL-SI) PAD/GARAGE APRON  
 6"x6"x#10 WOVEN WIRE MESH  
 4" GRANULAR SUBBASE, TYPE B
  - (E) PERMEABLE PAVERS w/AGG. BASE (PATIO/WALK/PARKING LOT)
  - (F) CONC. CURB & GUTTER (B6.12) CL-SI/2-#5 REBAR w/AGG. BASE
  - (G) CONC. BARRIER CURB (TYPE-B) CL-SI/2-#5 REBAR w/AGG. BASE
  - (H) PRECAST BLOCK LANDSCAPE WALL w/ GEOGRID & 4" U-DRAIN

- SIGN & STRIPING LEGEND**
- (S) 24" STOP BAR (White Paint / Double Coat)
  - (T) 4" PARKING STALL LINE (Yellow Paint / Double Coat)
  - (U) 4" DIAGONAL LINE ON 4" CTR. (Yellow Paint / Double Coat)
  - (V) ADA SYMBOL, (White Paint on Blue Background)
  - (W) ADA & \$250 FINE SIGN (Galvanized Steel Post)
  - (X) ADA TRUNCATED DOME PANEL (2'x4'/"Red"/Composite)
  - (Y) 6" TURN ARROW (Yellow Paint / Double Coat)
  - (Z) 6" SOLID LANE LINE (Yellow Paint / Double Coat)

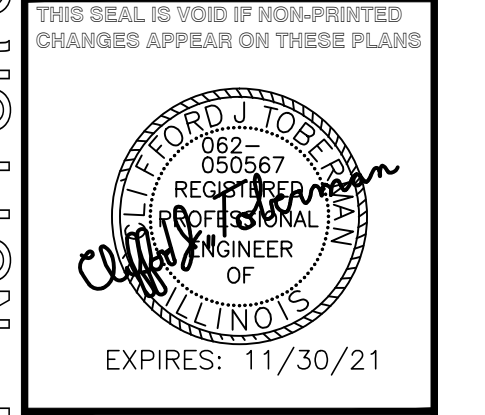
Existing Parking (Paved)	New Parking (Paved)
49-STALLS (90°/30°/Parallel)	149 - 90° STALLS
3-ADA STALLS	6 - ADA STALLS
<b>TOTAL: 52 STALLS</b>	<b>TOTAL: 155 STALLS</b>



No.	DATE	REVISION
1	6/20/19	Parking Stall Layout & New Addition Footprint
2	7/16/19	Updated Layout & Drive Aisle w/ Corrections
3	8/14/19	Revised Layout & Refuse Area Pkg Location
4	9/18/19	Revised Layout & Refuse Area Pkg Location
5	10/3/19	Adt: Detached Garage/24x40' (Arch. 9/25/19)
6	10/4/19	Reduce Septic Field Area/48' Storm Sewer
7	10/7/19	Revised Layout & Refuse Area Pkg Location
8	10/7/19	Revised Layout & Refuse Area Pkg Location
9	10/31/19	Adt: Utility Pkg & Update Impervious Area
10	3/4/20	Adt: Parking Stall Numbers & Enlargement For Legibility
11	7/13/20	Adt: Parking Stalls (Per Village)

**NORMAN J. TOBERMAN & ASSOCIATES, LLC**  
 CIVIL ENGINEERS & SURVEYORS  
 118 W. Wacker Drive, Suite 500, Chicago, IL 60601  
 P: (847) 498-8228 F: (847) 748-1004  
 nmt@tobermanllc.com  
 IL Design Firm: 084-0008710  
 Expires: 4-30-2021

**UTILITY PLAN**  
**CHURCH RENOVATION & ADDITION**  
**ST. BASIL OF OSTROG SERBIAN ORTHODOX CHURCH**  
**27450 N BRADLEY ROAD**  
**METTAWA, IL 60045**



DATE: \_\_\_\_\_  
 DRAWN BY: \_\_\_\_\_  
 DESIGN BY: \_\_\_\_\_  
 APPROVED BY: \_\_\_\_\_

Sheet No.  
**C-3P**  
 NJT Project No.  
**19-6980**

PRELIMINARY - NOT FOR CONSTRUCTION

#27450 N Bradley Rd.  
 #855 N Bradley Rd.

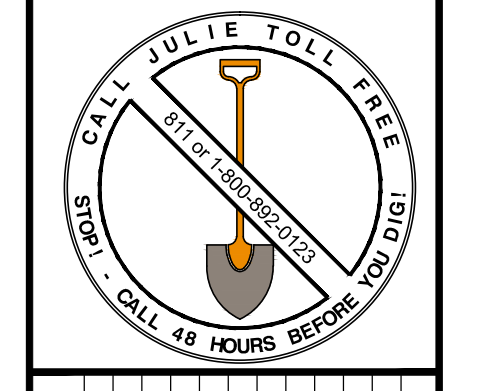
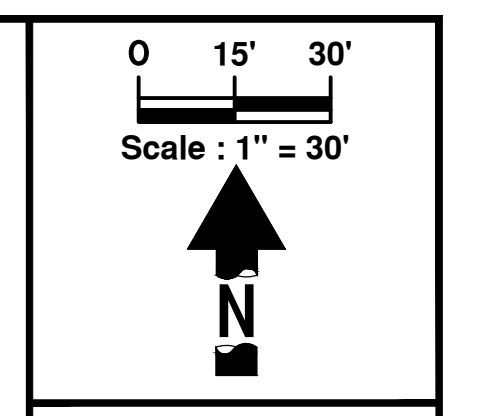
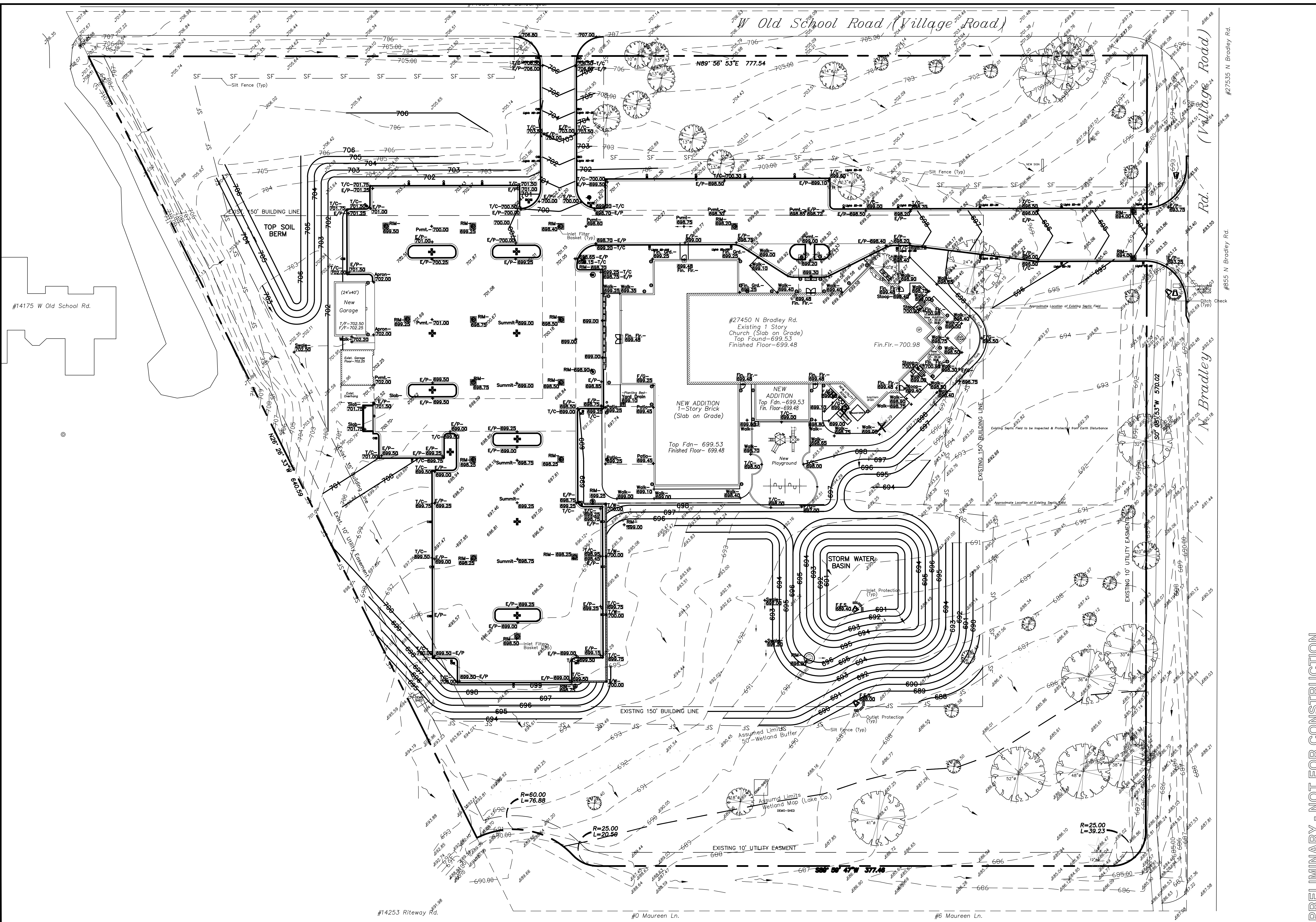
*W Old School Road (Village Road)*  
*N Bradley Rd. (Village Road)*

#14253 Riteway Rd.

#0 Maureen Ln.

#6 Maureen Ln.

DATE PLOTTED: 7/13/2021 10:58:52 AM



NO.	DATE	REVISION
1	6/20/19	Parking Stall Layout & New Addition Footprint
2	7/16/19	Updated Layout & Drive Aides w/ Corrections
3	8/13/19	Revised Utility Layout & Storm Water Basin
4	9/13/19	Revised Utility Layout & Storm Water Basin
5	10/01/19	Add Detached Garage/24x40 (Arch. 10/24/19)
6	10/01/19	Revised Storm Water Basin/Storm Water
7	10/01/19	Revised Storm Water Basin/Storm Water
8	10/01/19	Revised Storm Water Basin/Storm Water
9	10/01/19	Revised Storm Water Basin/Storm Water
10	10/01/19	Add Utility Pads & Update Storm Water Basin
11	11/15/20	Add Parking Stalls (Per Village)

**NORMAN J. TOBERMAN & ASSOCIATES, LLC**  
 CIVIL ENGINEERS & SURVEYORS  
 116 S. Winnetka Ave., Suite 100  
 Winnetka, IL 60093  
 Tel: (847) 426-2222 Fax: (847) 764-0104  
 E-Mail: ntoberman@toberman.com  
 IL Design Firm No. 184-000910  
 Exp. Date: 4/30/2021

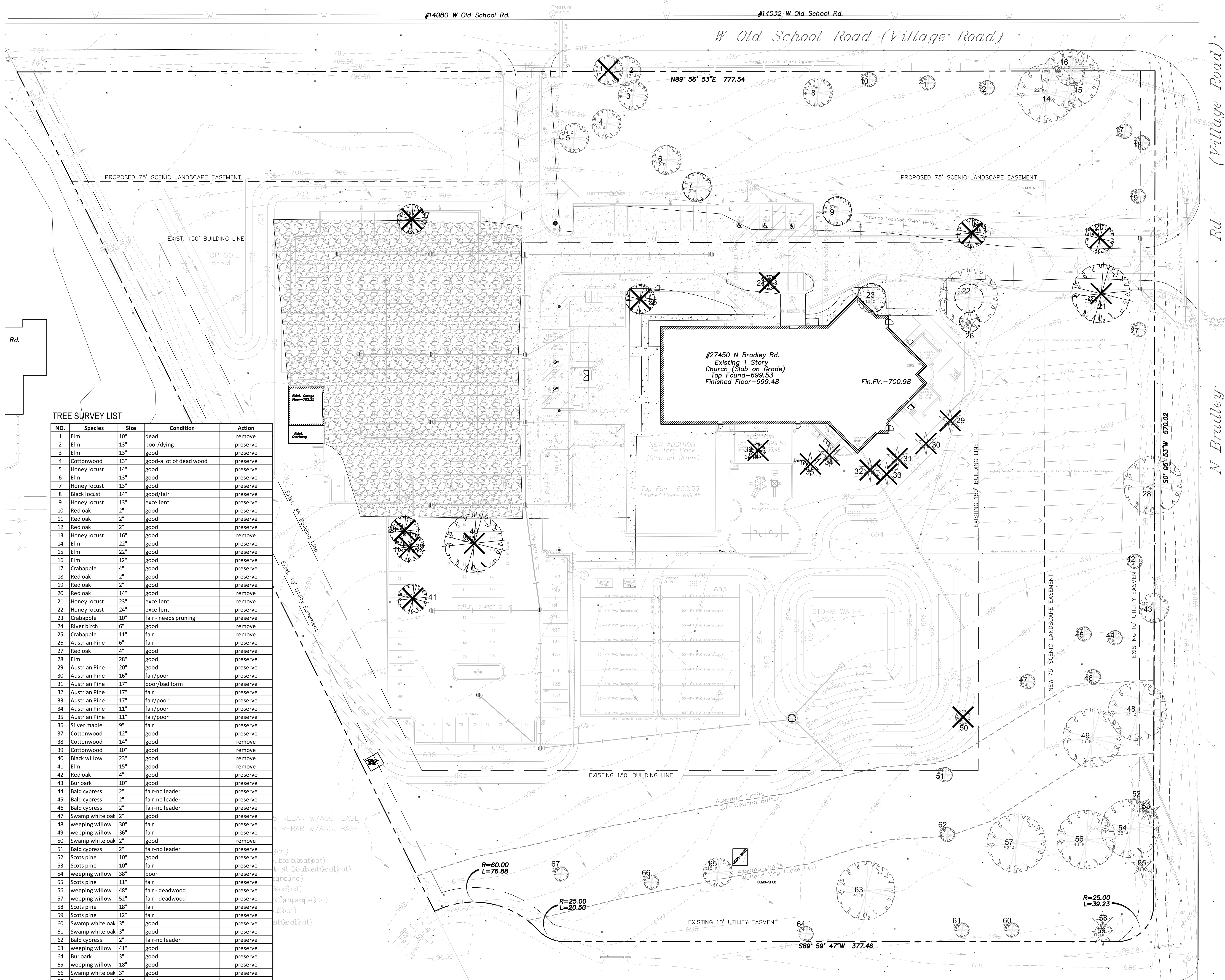
**GRADING & EROSION PLAN**  
 CHURCH RENOVATION & ADDITION  
 ST. BASIL OF OSTROG SERBIAN ORTHODOX CHURCH  
 27450 N BRADLEY ROAD  
 METTAWA, IL 60045

THIS SEAL IS VOID IF NON-PRINTED CHANGES APPEAR ON THESE PLANS  
  
 EXPIRES: 11/30/21

DATE: \_\_\_\_\_  
 DRAWN BY: \_\_\_\_\_  
 DESIGN BY: \_\_\_\_\_  
 APPROVED BY: \_\_\_\_\_

Sheet No.  
**C-4P**  
 NJT Project No.  
**19-6980**

PRELIMINARY - NOT FOR CONSTRUCTION



TREE SURVEY LIST

NO.	Species	Size	Condition	Action
1	Elm	10"	dead	remove
2	Elm	13"	poor/dying	preserve
3	Elm	13"	good	preserve
4	Cottonwood	13"	good-a lot of dead wood	preserve
5	Honey locust	14"	good	preserve
6	Elm	13"	good	preserve
7	Honey locust	13"	good	preserve
8	Black locust	14"	good/fair	preserve
9	Honey locust	13"	excellent	preserve
10	Red oak	2"	good	preserve
11	Red oak	2"	good	preserve
12	Red oak	2"	good	preserve
13	Honey locust	16"	good	remove
14	Elm	22"	good	preserve
15	Elm	22"	good	preserve
16	Elm	12"	good	preserve
17	Crabapple	4"	good	preserve
18	Red oak	2"	good	preserve
19	Red oak	2"	good	preserve
20	Red oak	14"	good	remove
21	Honey locust	23"	excellent	remove
22	Honey locust	24"	excellent	preserve
23	Crabapple	10"	fair- needs pruning	preserve
24	River birch	6"	good	remove
25	Crabapple	11"	fair	remove
26	Austrian Pine	6"	fair	preserve
27	Red oak	4"	good	preserve
28	Elm	28"	good	preserve
29	Austrian Pine	20"	good	preserve
30	Austrian Pine	16"	fair/poor	preserve
31	Austrian Pine	17"	poor/bad form	preserve
32	Austrian Pine	17"	fair	preserve
33	Austrian Pine	17"	fair/poor	preserve
34	Austrian Pine	11"	fair/poor	preserve
35	Austrian Pine	11"	fair/poor	preserve
36	Silver maple	9"	fair	preserve
37	Cottonwood	12"	good	preserve
38	Cottonwood	14"	good	remove
39	Cottonwood	10"	good	remove
40	Black willow	23"	good	remove
41	Elm	15"	good	remove
42	Red oak	4"	good	preserve
43	Bur oak	10"	good	preserve
44	Bald cypress	2"	fair-no leader	preserve
45	Bald cypress	2"	fair-no leader	preserve
46	Bald cypress	2"	fair-no leader	preserve
47	Swamp white oak	2"	good	preserve
48	weeping willow	30"	fair	preserve
49	weeping willow	36"	fair	preserve
50	Swamp white oak	2"	good	remove
51	Bald cypress	2"	fair-no leader	preserve
52	Scots pine	10"	good	preserve
53	Scots pine	10"	fair	preserve
54	weeping willow	38"	poor	preserve
55	Scots pine	11"	fair	preserve
56	weeping willow	48"	fair- deadwood	preserve
57	weeping willow	52"	fair- deadwood	preserve
58	Scots pine	18"	fair	preserve
59	Scots pine	12"	fair	preserve
60	Swamp white oak	3"	good	preserve
61	Swamp white oak	3"	good	preserve
62	Bald cypress	2"	fair-no leader	preserve
63	weeping willow	41"	good	preserve
64	Bur oak	3"	good	preserve
65	weeping willow	18"	good	preserve
66	Swamp white oak	3"	good	preserve
67	Swamp white oak	2"	good	preserve

TREE PRESERVATION NOTES

- Contractor shall install tree protection fencing as shown on the plans prior to beginning work. Maintain and adjust tree protection fencing as needed during progress of construction. Storage of materials, vehicular access, and all other construction activities are strictly prohibited within the limits of the tree protection fencing.
- Tree stumps shall be ground to a minimum depth of 18" below existing grade or as required to properly perform the work.
- Remove and dispose of turf where planting beds are designated. Refer to Planting Plan for limits of proposed landscape improvements.
- Where turf or plantings are proposed in existing paved areas, remove all base material.
- Items indicated for Removal shall include complete removal of above grade item and below grade appurtenances (foundations, urban fill, wiring, piping, etc.) including disposal off-site following applicable codes and ordinances, unless otherwise shown on the plans.
- Contractor to protect all existing utilities and all other site features not designated for removal. Contractor is responsible for replacing/repairing any existing utilities or other site features damaged during construction to the original condition at no cost to the Owner.
- Contractor responsible for maintaining existing utility services (electrical, sanitary, storm) during construction unless otherwise indicated in the Contract Documents.
- Refer to specifications for additional conditions, standards and notes.

TREE PRESERVATION LEGEND

- Tree protection fence
- Tree to be removed



22 E. Chicago Avenue  
Suite 200A  
Naperville, IL 60540  
T 630.961.1787  
F 630.961.9925  
hitchcockdesigngroup.com

PREPARED FOR  
**St. Basil of Ostrog  
Serbian Orthodox  
Church**  
27450 N Bradley Road  
Mettawa, IL 60045

PROJECT  
**Church Renovation  
& Addition**

27450 N Bradley Road  
Mettawa, IL 60045

ISSUED  
June 5, 2020  
REVISIONS

No	Date	Issue
1	2020.07.23	revised per civil edits

CHECKED BY DAF DRAWN BY MPW

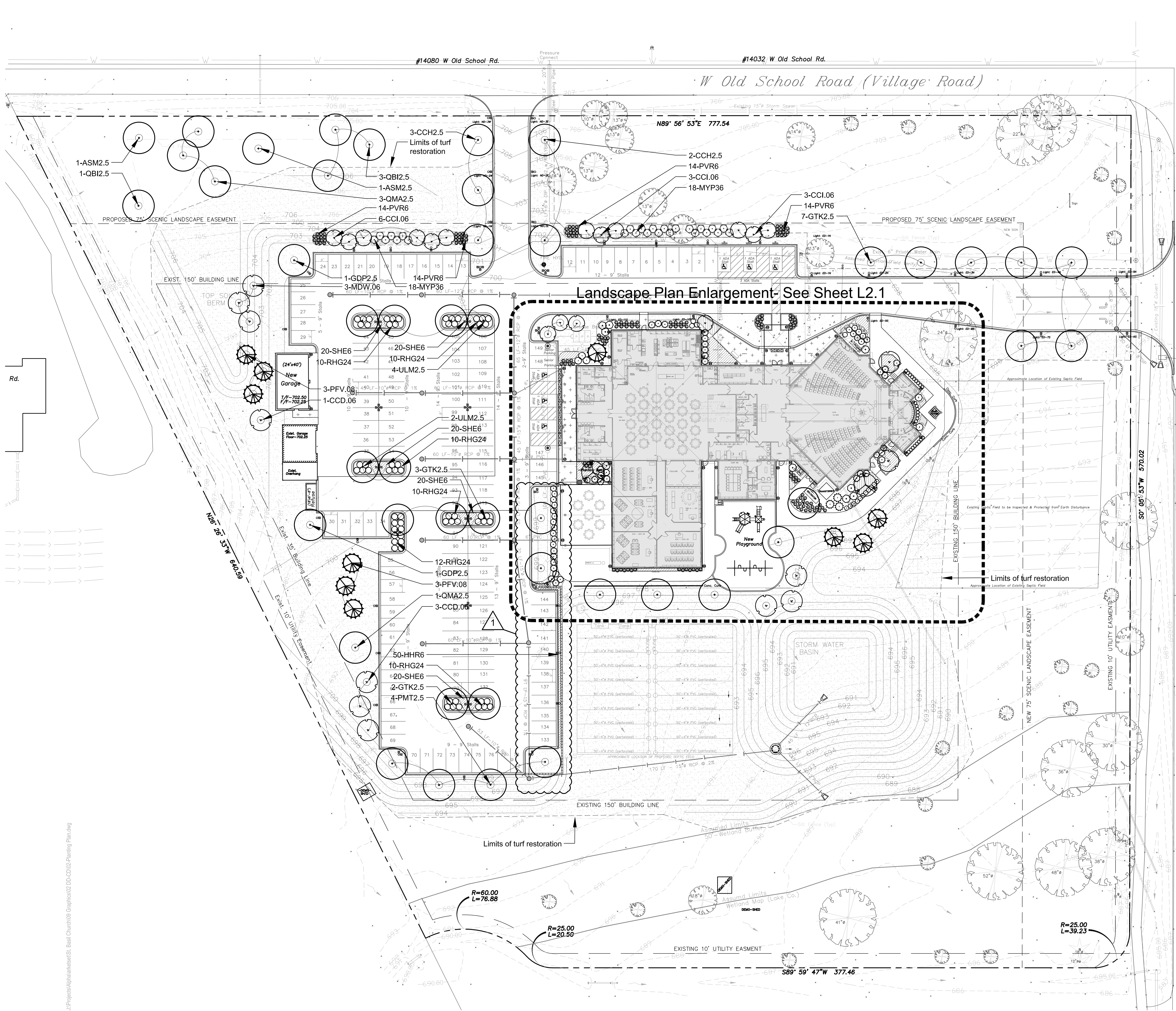
SHEET TITLE  
**Tree Preservation  
Plan**

SCALE IN FEET  
1" = 30'  
0' 15' 30' 90'

NORTH SHEET NUMBER

**L1.0**  
©2016 Hitchcock Design Group

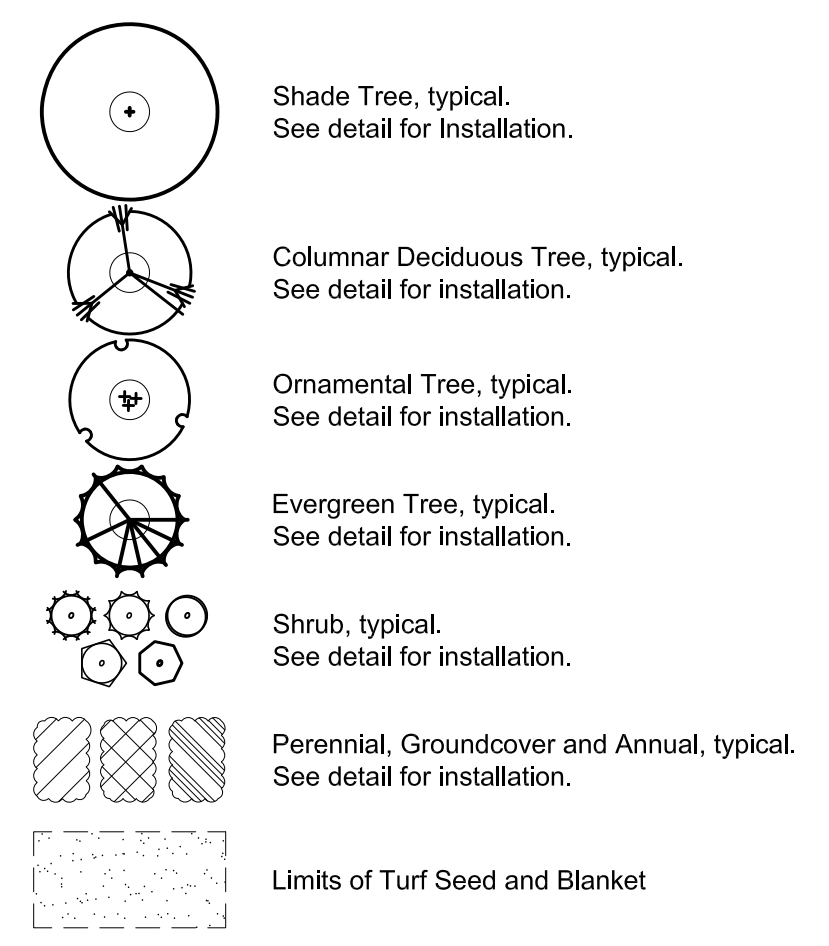




**PLANTING NOTES**

1. Seed limit line is approximate. Seed to limits of grading and disturbance. Contractor responsible for restoration of any unauthorized disruption outside of designated construction area.
2. Contractor responsible for erosion control in all seeded/sodded areas.
3. Furnish and install 4" of topsoil in turf areas adjacent to new construction. Furnish and install 12" of topsoil in all planting beds around the building improvements. Furnish and install 18" of topsoil in parking lot islands. Amend all plant beds with 2" of soil conditioner, till into top 6".
4. Install mulch at a 2" depth in perennial beds, install mulch at a 3" depth around all trees and shrubs.
5. Tree mulch rings in turf areas are 5 foot diameter, typical. Contractor shall provide a mulch ring around all existing trees within the limit of work. Remove all existing grass from area to be mulched and provide a typical v-trench edge.
6. Bedlines are to be spade cut to a minimum depth of 3 inches unless otherwise shown on the plans. Curved bedlines are to be smooth and not segmented.
7. Do not locate plants within 10' of utility structures, or within 5' horizontally of underground utility lines unless otherwise shown on the plans. Consult with Landscape Architect if these conditions exist.
8. FOR LUMP SUM CONTRACTS. Plants and other materials are quantified and summarized for the convenience of the Owner and jurisdictional agencies only. Confirm and install sufficient quantities to complete the work as drawn and specified. No additional payments will be made for materials required to complete the work as drawn and specified.
9. FOR UNIT PRICE CONTRACTS. Payments will be made based on actual quantities installed as measured in place by the Owners Representative.

**PLANTING LEGEND**



22 E. Chicago Avenue  
Suite 200A  
Naperville, IL 60540  
T 630.961.1787  
F 630.961.9925  
hitchcockdesigngroup.com

PREPARED FOR  
**St. Basil of Ostrog  
Serbian Orthodox  
Church**  
27450 N Bradley Road  
Mettawa, IL 60045

PROJECT  
**Church Renovation  
& Addition**

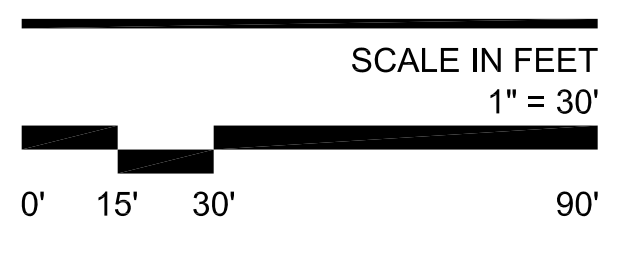
27450 N Bradley Road  
Mettawa, IL 60045

ISSUED  
June 5, 2020  
REVISIONS

No	Date	Issue
1	2020.07.23	revised per civil edits

CHECKED BY DAF DRAWN BY MPW

SHEET TITLE  
**Overall  
Landscape Plan**



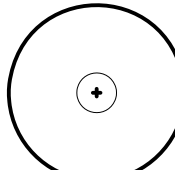
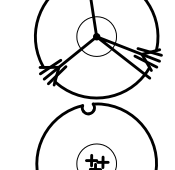
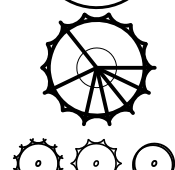
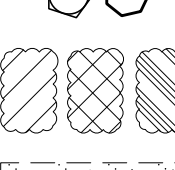
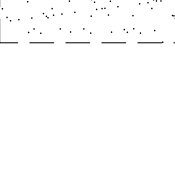


SHEET NUMBER  
**L2.0**  
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**PLANTING NOTES**

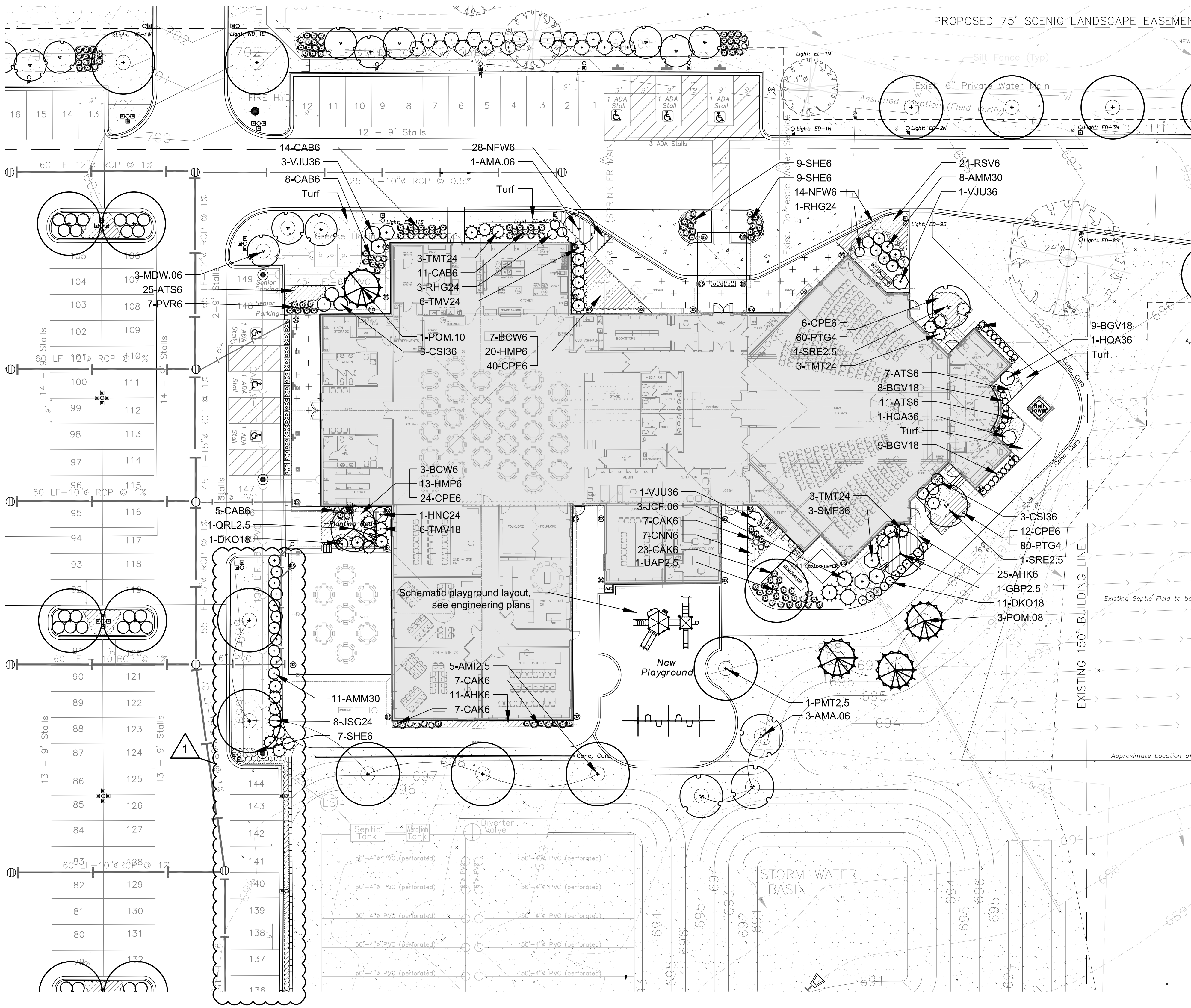
- Seed limit line is approximate. Seed to limits of grading and disturbance. Contractor responsible for restoration of any unauthorized disruption outside of designated construction area.
- Contractor responsible for erosion control in all seeded/sodded areas.
- Furnish and install 4" of topsoil in turf areas adjacent to new construction. Furnish and install 12" of topsoil in all planting beds around the building improvements. Furnish and install 18" of topsoil in parking lot islands. Amend all plant beds with 2" of soil conditioner, fill into top 6".
- Install mulch at a 2" depth in perennial beds, install mulch at a 3" depth around all trees and shrubs.
- Tree mulch rings in turf areas are 5 foot diameter, typical. Contractor shall provide a mulch ring around all existing trees within the limit of work. Remove all existing grass from area to be mulched and provide a typical v-trench edge.
- Bedlines are to be spade cut to a minimum depth of 3 inches unless otherwise shown on the plans. Curved bedlines are to be smooth and not segmented.
- Do not locate plants within 10' of utility structures, or within 5' horizontally of underground utility lines unless otherwise shown on the plans. Consult with Landscape Architect if these conditions exist.
- FOR LUMP SUM CONTRACTS. Plants and other materials are quantified and summarized for the convenience of the Owner and jurisdictional agencies only. Confirm and install sufficient quantities to complete the work as drawn and specified. No additional payments will be made for materials required to complete the work as drawn and specified.
- FOR UNIT PRICE CONTRACTS. Payments will be made based on actual quantities installed as measured in place by the Owners Representative.

**PLANTING LEGEND**

-  Shade Tree, typical. See detail for installation.
-  Columnar Deciduous Tree, typical. See detail for installation.
-  Ornamental Tree, typical. See detail for installation.
-  Evergreen Tree, typical. See detail for installation.
-  Shrub, typical. See detail for installation.
-  Perennial, Groundcover and Annual, typical. See detail for installation.
-  Turf seed restoration, refer to Civil plans and specifications

**PLANT MATERIAL LIST**

Code	Botanical Name	Common Name	Size	Qty
<b>Shade Trees</b>				
AM12.5	Acet. myriade Morton'	State Street Myriade Maple	2 1/2" C	3
ASM2.5	Acer saccharum 'Green Mountain'	Green Mountain Sugar Maple	2 1/2" C	2
CCH2.5	Celtis occidentalis 'Chicagolani'	Chicagoland Hackberry	2 1/2" C	5
GBP2.5	Ginkgo biloba 'Princeton Sentry'	Princeton Sentry Ginkgo	2 1/2" C	1
GTK2.5	Gleditsia triacanthos var. inermis 'Skyline'	Skyline Thornless Honeylocust	2 1/2" C	11
GDP2.5	Gymnocladus dioica 'Prairie Titan (male)'	Prairie Titan Kentucky Coffeetree	2 1/2" C	2
PMT2.5	Platanus x acerifolia 'Morton Circle'	Exclamation! London Planetree	2 1/2" C	5
QB12.5	Quercus bicolor	Swamp White Oak	2 1/2" C	4
QMA2.5	Quercus macrocarpa	Bur Oak	2 1/2" C	4
QRL2.5	Quercus robur x bicolor 'Long'	Regal Prince Oak	2 1/2" C	1
UA2.5	Ulmus americana 'Princeton'	Princeton American Elm	2 1/2" C	1
ULM2.5	Ulmus japonica x wilsoniana 'Morton'	Accolade™ Elm	2 1/2" C	6
<b>Intermediate Trees</b>				
AMA.06	Amelanchier x grandiflora 'Autumn Brilliance'	Autumn Brilliance Serviceberry	6' HT	4
CCD.06	Cercis canadensis	Eastern Redbud	6' HT	4
CCI.06	Crataegus crugali var. inermis	Thornless Cockspur Hawthorn	6' HT	12
MDW.06	Malus 'Donald Wyman'	Donald Wyman Flowering Crabapple	6' HT	6
SRE2.5	Syringa reticulata 'Ivory Silk'	Ivory Silk Japanese Tree Lilac	2 1/2" C	2
<b>Evergreen Trees</b>				
POM.08	Picea omorika	Serbian Spruce	8' HT	3
POM.10	Picea omorika	Serbian Spruce	10' HT	1
PFV.08	Pinus flexilis 'Vanderwolfs Pyramid'	Vanderwolfs Pyramid Limber Pine	6' HT	6
<b>Deciduous Shrubs</b>				
AMM30	Aronia melanocarpa 'Morton'	Iroquois Beauty™ Black Chokeberry*	30" HT	19
CS16	Cornus sericea 'Isanti'	Dwarf Redtwig Dogwood	36" HT	6
DKO18	Diervilla 'G2X8544'	Kodiak Orange Bush Honeysuckle	18" HT	12
HNC24	Hydrangea arborescens 'NCHA1'	Invincelle Sprit Hydrangea	24" HT	1
HQA36	Hydrangea quercifolia 'Alice'	Alice Oakleaf Hydrangea	36" HT	2
MYP36	Myrica pennsylvanica *	Bayberry	36" HT	25
RHG24	Rhus aromatica 'Gro-Low'	Gro-Low Fragrant Sumac	24" HT	66
SBT24	Spiraea betulifolia 'Tor'	Tor Birchleaf Spirea	24" HT	1
SMP36	Syringa meyeri 'Palbin'	Dwarf Meyer Lilac	36" HT	3
<b>Evergreen Shrubs</b>				
BGV18	Buxus x 'Green Velvet'	Green Velvet Boxwood	18" HT	26
JCF.06	Juniperus chinensis 'Fairview'	Fairview Juniper	6' HT	3
JSG24	Juniperus chinensis 'Sea Green'	Sea Green Chinese Juniper	24" HT	6
TMV18	Taxus x media 'Lambert'	Lambert Japanese Yew	18" HT	6
TMT24	Taxus x media 'Tauntoni'	Tauntoni Intermediate Yew	24" HT	16
<b>Groundcovers</b>				
PTG4	Pachysandra terminalis 'Green Carpet'	Green Carpet Japanese Pachysandra	1 QT	140
<b>Perennials</b>				
ATS6	Allium tanguticum 'Summer Beauty'	Summer Beauty Ornamental Chive	1 GAL	43
AHK6	Amsonia hubrichtii 'Halfway to Arkansas'	'Halfway to Arkansas' Narrow Leaf Blue Star	1 GAL	36
BCW6	Bergenia cordifolia 'Winterglod'	Winterglow Bergenia	1 GAL	10
CAB6	Calamagrostis brachytricha	Korean Feather Reed Grass	1 GAL	38
CAK6	Calamagrostis x acutiflora 'Karl Foerster'	Karl Foerster Feather Reed Grass	1 GAL	44
CNN6	Calamintha nepeta	Calamint	1 GAL	7
CPE6	Carex pensylvanica	Oak Sedge	1 GAL	82
HHR6	Hemerocallis 'Happy Returns'	Happy Returns Daylily	1 GAL	59
HMP6	Heuchera micrantha 'Palace Purple'	Small Flowered Coral Bells	1 GAL	33
NFW6	Nepeta x faassenii 'Walker's Low'	Walker's Low Catmint	1 GAL	42
PVR6	Panicum virgatum 'Rostrobibusch'	Red Switch Grass	1 GAL	62
RSV6	Rudbeckia speciosa 'Viette's Little Suzy'	Viette's Little Suzy Black-eyed Susan	1 GAL	21
SHE6	Sporobolus heterolepis	Prairie Dropseed	1 GAL	125



ISSUED  
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REVISIONS


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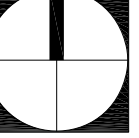
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SHEET TITLE  
**Landscape Plan  
Enlargement**

SCALE IN FEET  
1" = 20'

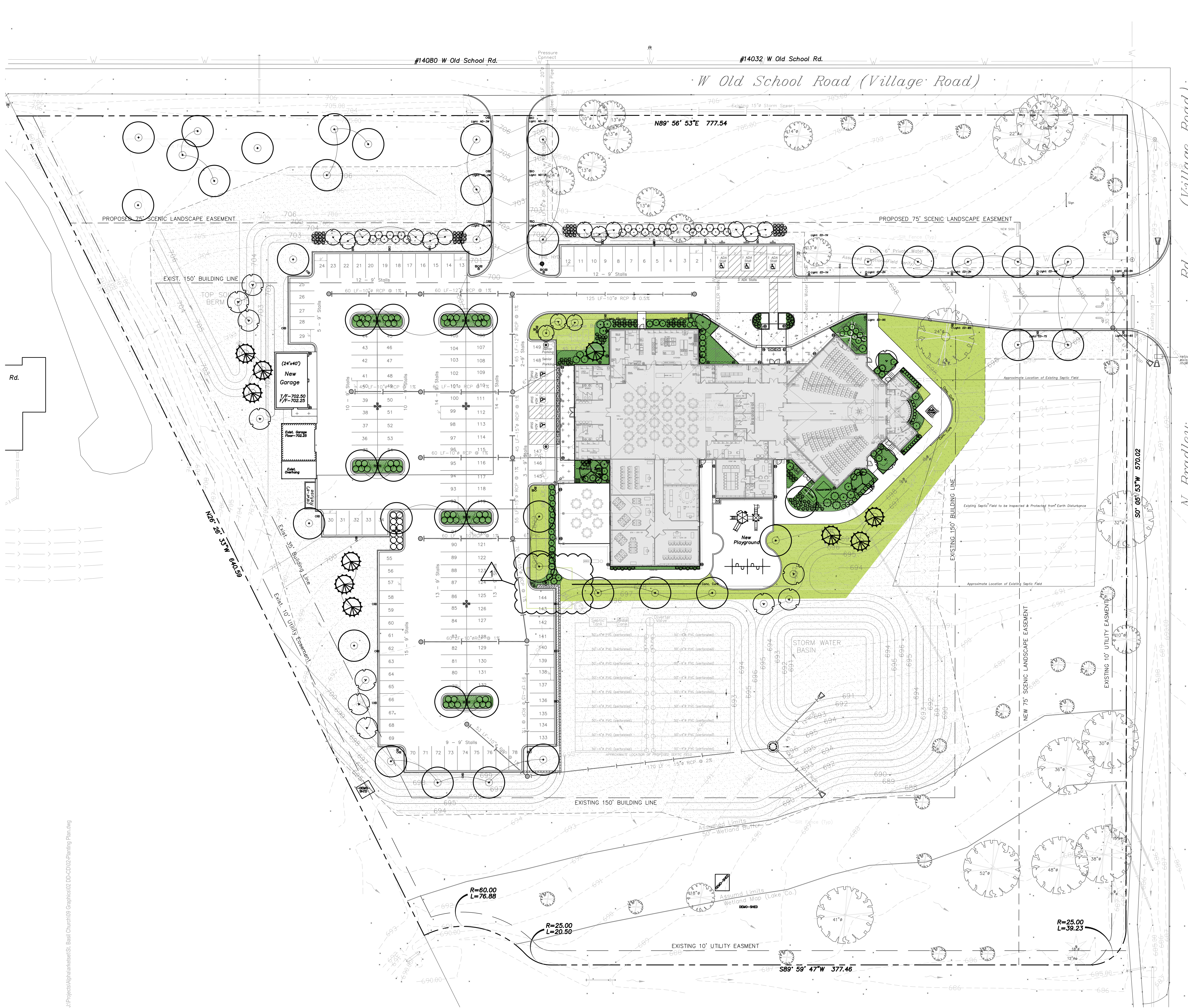


NORTH



SHEET NUMBER

**L2.1**



**IRRIGATION LEGEND**

- Limits of Planting Bed Irrigation
- Limits of Turf Irrigation



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PREPARED FOR  
**St. Basil of Ostrog  
Serbian Orthodox  
Church**  
27450 N Bradley Road  
Mettawa, IL 60045

PROJECT  
**Church Renovation  
& Addition**

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DAF

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MPW

SHEET TITLE  
**Irrigation Areas**

SCALE IN FEET  
1" = 30'

NORTH

SHEET NUMBER

**L3.0**

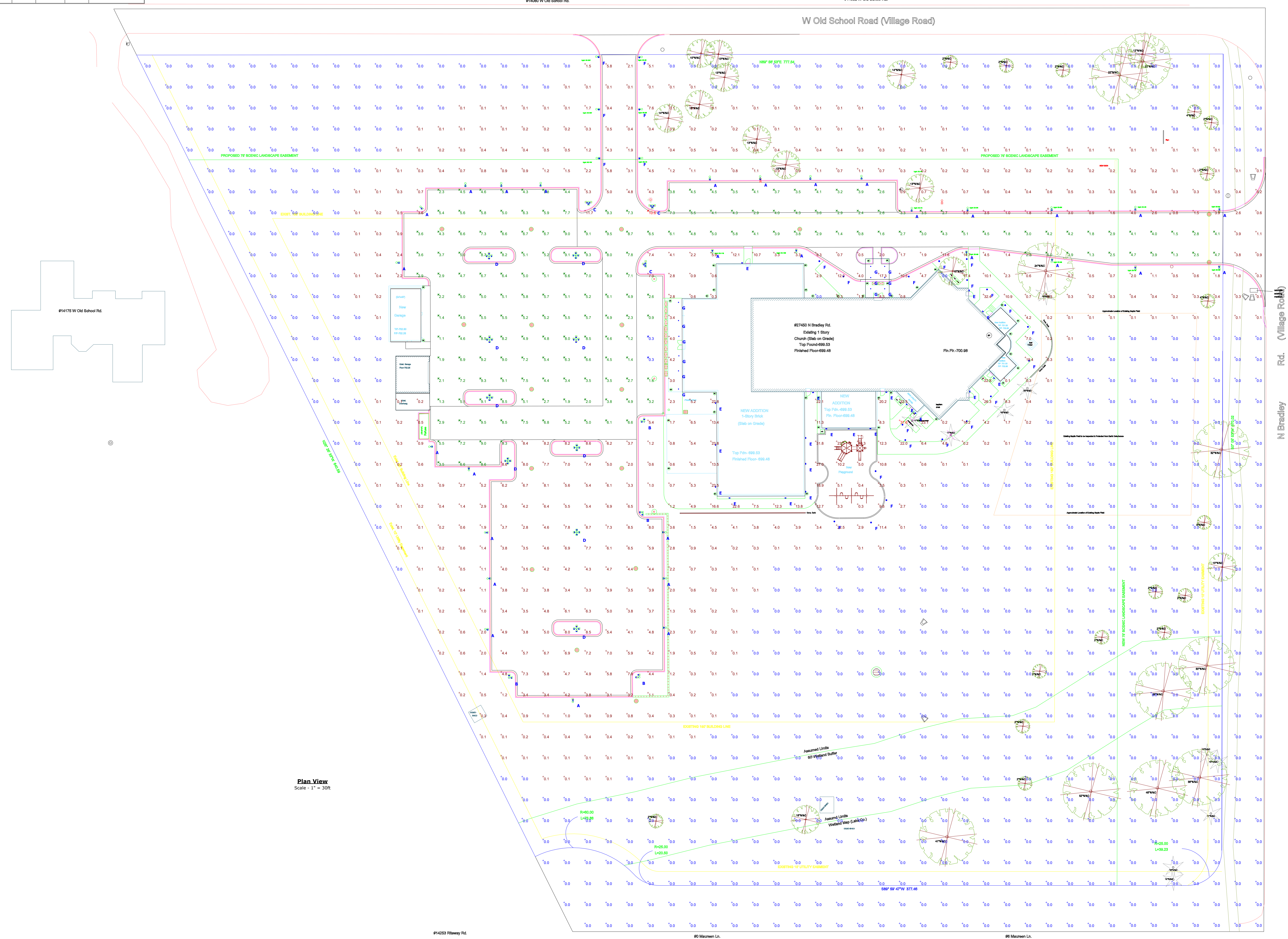
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Symbol	Label	Quantity	Manufacturer	Description	Lamp	Number Lamps	Filename	Lumens Per Lamp	Light Loss Factor	Wattage	Catalog Number
[Symbol]	A	29	Lithonia Lighting	RSX Area Fixture Size 1 P1 Lumen Package 4000K CCT Type R45 Distribution		1	RSX1_LED_P1_40K_R45.ies	6936	0.7	51.3435	RSX1 LED P1 40K R45
[Symbol]	B	4	Lithonia Lighting	RSX Area Fixture Size 1 P1 Lumen Package 4000K CCT Type R45 Distribution		1	RSX1_LED_P1_40K_R45.ies	6936	0.7	102.687	RSX1 LED P1 40K R45
[Symbol]	C	3	Lithonia Lighting	RSX Area Fixture Size 1 P1 Lumen Package 4000K CCT Type R45 Distribution		1	RSX1_LED_P1_40K_R45.ies	6936	0.7	154.0305	RSX1 LED P1 40K R45
[Symbol]	D	9	Lithonia Lighting	RSX Area Fixture Size 1 P1 Lumen Package 4000K CCT Type R55 Distribution		1	RSX1_LED_P1_40K_R55.ies	7479	0.7	205.36	RSX1 LED P1 40K R55
[Symbol]	E	20	Lithonia Lighting	WEDGE3 LED WITH P3 - PERFORMANCE PACKAGE, 4000K, T8CFL, TYP 4 OPTIC	LED	1	WEDGE3_LED_P3_70CRI_R4_4_OI.ies	10360	0.95	71.6952	WEDGE3 LED P3 70CRI R4 4K
[Symbol]	F	25	Lithonia Lighting	KBAB WITH 4 LIGHT BOARDS (16 LEDs), 700mA DRIVER, 4000K, COLOR TEMP. AND SYMMETRIC OPTIC	LED	1	KBAB_LED_16C_700_40K_SYM HVOLT.ies	2947	0.95	39	KBAB LED 16C 700 40K SYM HVOLT
[Symbol]	G	12	Lithonia Lighting	6IN LDM, 3500K, 1500LM, CLEAR, SEMI-SPECULAR REFLECTOR, CR180		1	LDM6_35_15_L_O6AK_LSS.ies	1494	0.95	17.52	LDM6 35/15 L6AK LSS

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Calc Zone Entire Site	+	1.6 fc	37.6 fc	0.0 fc	N/A	N/A
Calc Zone Parking Area	X	5.0 fc	10.6 fc	0.3 fc	35.1:1	16.7:1

No.	Label	X	Y	Z	MH	Orientation	Tilt
1	A	206.20	540.10	17.00	17.00	180.00	0.00
2	A	231.95	540.10	17.00	17.00	180.00	0.00
3	A	259.95	540.35	17.00	17.00	180.00	0.00
4	A	381.20	544.60	17.00	17.00	180.00	0.00
5	A	417.20	544.85	17.00	17.00	180.00	0.00
6	A	452.95	545.10	17.00	17.00	180.00	0.00
7	A	489.70	545.35	17.00	17.00	180.00	0.00
8	A	525.45	522.35	17.00	17.00	180.00	0.00
9	A	565.45	522.60	17.00	17.00	180.00	0.00
10	A	625.70	522.85	17.00	17.00	180.00	0.00
11	A	685.45	523.10	17.00	17.00	180.00	0.00
12	A	745.45	480.35	17.00	17.00	0.00	0.00
13	A	685.45	479.85	17.00	17.00	0.00	0.00
14	A	625.95	480.35	17.00	17.00	0.00	0.00
15	A	564.70	492.85	17.00	17.00	0.00	0.00
16	A	442.95	492.10	17.00	17.00	0.00	0.00
17	A	382.95	491.85	17.00	17.00	0.00	0.00
18	A	348.95	223.05	17.00	17.00	270.00	0.00
19	A	283.20	170.35	17.00	17.00	0.00	0.00
20	A	221.20	121.60	17.00	17.00	90.00	0.00
21	A	222.65	258.40	17.00	17.00	90.00	0.00
22	A	220.70	291.10	17.00	17.00	90.00	0.00
23	A	208.70	336.10	17.00	17.00	0.00	0.00
24	A	157.70	484.10	17.00	17.00	90.00	0.00
25	A	174.20	523.60	17.00	17.00	135.00	0.00
26	A	745.70	523.10	17.00	17.00	180.00	0.00
27	A	349.05	258.35	17.00	17.00	270.00	0.00
28	A	348.45	291.35	17.00	17.00	270.00	0.00
29	A	181.40	352.70	17.00	17.00	90.00	0.00
1	B	334.20	370.35	17.00	17.00	270.00	0.00
2	B	332.85	305.65	17.00	17.00	180.00	0.00
4	B	329.95	187.60	17.00	17.00	270.00	0.00
5	B	237.45	187.10	17.00	17.00	0.00	0.00
1	C	334.95	482.85	17.00	17.00	180.00	0.00
2	C	294.20	527.10	17.00	17.00	90.00	0.00
3	C	339.95	524.85	17.00	17.00	90.00	0.00
1	D	285.20	489.35	17.00	17.00	0.00	0.00
2	D	223.20	488.85	17.00	17.00	0.00	0.00
3	D	223.45	387.60	17.00	17.00	0.00	0.00
4	D	285.95	351.85	17.00	17.00	0.00	0.00
5	D	236.45	342.35	17.00	17.00	0.00	0.00
6	D	285.95	291.35	17.00	17.00	0.00	0.00
7	D	285.70	222.10	17.00	17.00	0.00	0.00
8	D	223.45	429.10	17.00	17.00	0.00	0.00
9	D	285.45	429.10	17.00	17.00	0.00	0.00
1	E	404.20	484.10	9.00	9.00	0.00	0.00
2	E	576.45	449.35	9.00	9.00	45.00	0.00
3	E	584.45	401.60	9.00	9.00	225.00	0.00
4	E	567.20	392.10	9.00	9.00	90.00	0.00
5	E	507.45	391.60	9.00	9.00	180.00	0.00
6	E	454.95	391.35	9.00	9.00	180.00	0.00
7	E	521.95	382.85	9.00	9.00	225.00	0.00
8	E	528.20	376.60	9.00	9.00	225.00	0.00
9	E	464.45	365.35	9.00	9.00	180.00	0.00
10	E	480.45	365.35	9.00	9.00	180.00	0.00
11	E	495.95	365.60	9.00	9.00	180.00	0.00
12	E	449.70	320.35	9.00	9.00	90.00	0.00
13	E	449.70	340.35	9.00	9.00	90.00	0.00
14	E	449.70	358.85	9.00	9.00	90.00	0.00
15	E	566.70	464.35	9.00	9.00	90.00	0.00
16	E	385.20	383.85	9.00	9.00	270.00	0.00
17	E	385.20	353.85	9.00	9.00	270.00	0.00
18	E	385.20	323.85	9.00	9.00	270.00	0.00
19	E	395.20	315.85	9.00	9.00	180.00	0.00
20	E	435.20	315.85	9.00	9.00	180.00	0.00
1	F	518.95	368.35	3.50	3.50	0.00	0.00
2	F	520.95	357.35	3.50	3.50	0.00	0.00
3	F	547.45	357.85	3.50	3.50	0.00	0.00
4	F	564.95	370.85	3.50	3.50	0.00	0.00
5	F	582.20	388.60	3.50	3.50	0.00	0.00
6	F	609.45	414.10	3.50	3.50	0.00	0.00
7	F	608.70	438.35	3.50	3.50	0.00	0.00
8	F	592.45	453.85	3.50	3.50	0.00	0.00
9	F	578.45	465.10	3.50	3.50	0.00	0.00
10	F	565.20	471.85	3.50	3.50	0.00	0.00
11	F	564.95	486.85	3.50	3.50	0.00	0.00
12	F	545.20	485.35	3.50	3.50	0.00	0.00
13	F	523.45	474.35	3.50	3.50	0.00	0.00
14	F	476.70	474.35	3.50	3.50	0.00	0.00
15	F	459.45	485.35	3.50	3.50	0.00	0.00
16	F	499.70	335.10	3.50	3.50	0.00	0.00
17	F	507.45	314.35	3.50	3.50	0.00	0.00
18	F	496.45	298.35	3.50	3.50	0.00	0.00
19	F	470.20	299.10	3.50	3.50	0.00	0.00
20	F	301.95	558.85	3.50	3.50	90.00	0.00
21	F	330.70	558.85	3.50	3.50	270.00	0.00
22	F	330.70	593.85	3.50	3.50	270.00	0.00
23	F	301.70	593.85	3.50	3.50	90.00	0.00
24	F	301.45	631.35	3.50	3.50	90.00	0.00
25	F	330.70	631.10	3.50	3.50	270.00	0.00
1	G	496.20	465.60	12.00	12.00	0.00	0.00
2	G	506.20	465.60	12.00	12.00	0.00	0.00
3	G	496.20	473.60	12.00	12.00	0.00	0.00
4	G	506.20	473.60	12.00	12.00	0.00	0.00
5	G	496.20	481.60	12.00	12.00	0.00	0.00
6	G	506.20	481.60	12.00	12.00	0.00	0.00
7	G	358.70	442.85	12.00	12.00	0.00	0.00
8	G	358.70	406.85	12.00	12.00	0.00	0.00
9	G	358.70	393.85	9.00	9.00	0.00	0.00
10	G	358.70	455.85	9.00	9.00	0.00	0.00
11	G	358.95	431.60	16.00	16.00	0.00	0.00
12	G	358.95	417.60	16.00	16.00	0.00	0.00



Plan View  
Scale - 1" = 30'

#14032 W Old School Rd.

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