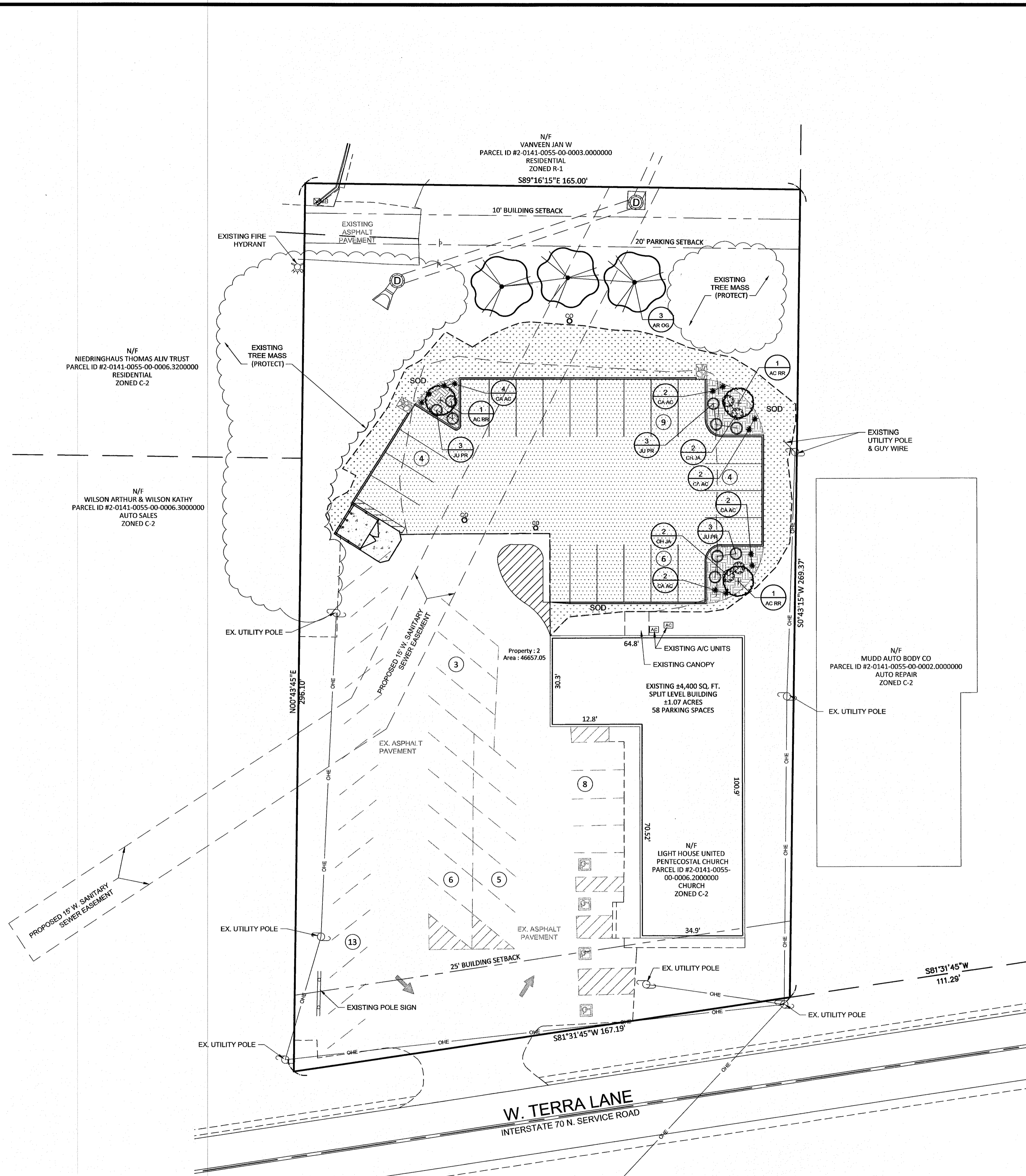


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LANDSCAPING REQUIREMENTS

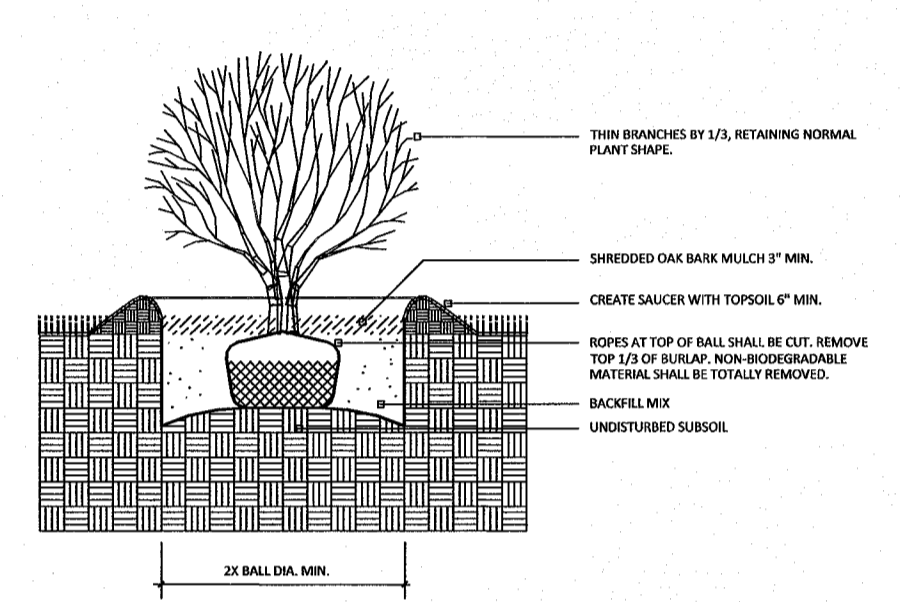
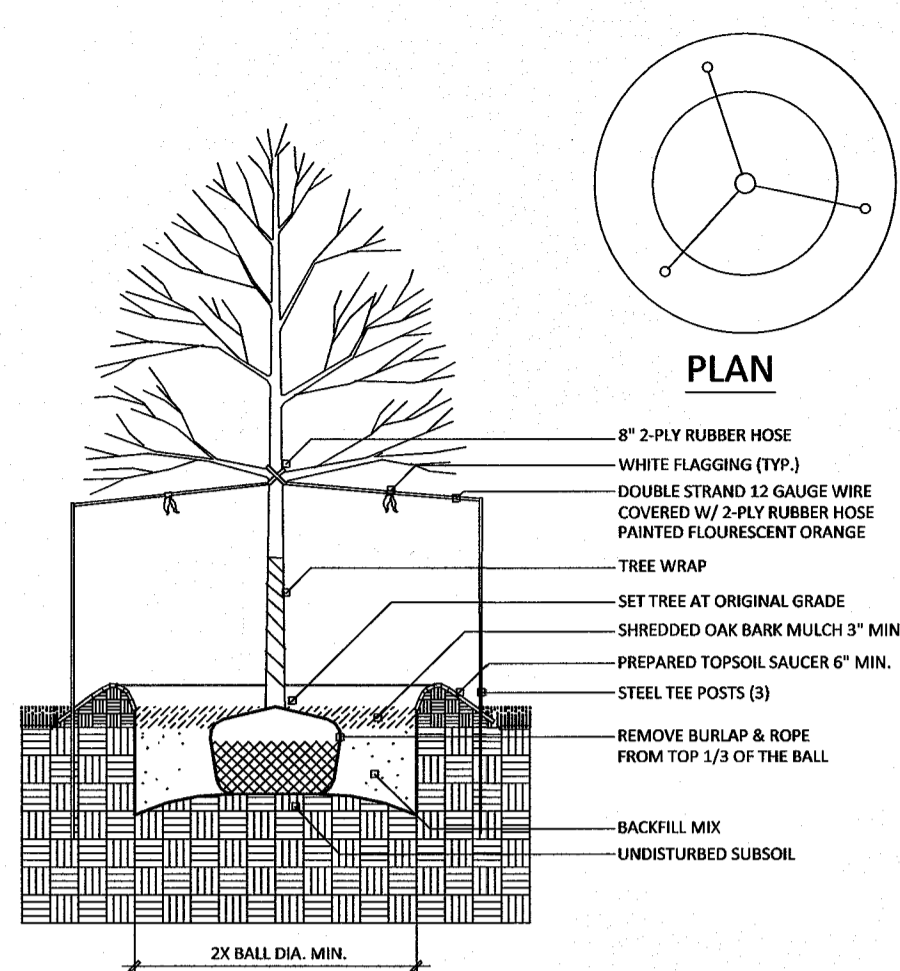
Landscaped Open Space
 1 tree for every 3,000 s.f. open space
 17,424 s.f. / 3,000 = 5.8 (6 trees required)
 6 trees provided plus remaining tree masses

Interior Landscaping
 Not less than 6% of the interior of a parking lot shall be landscaped. The interior of a parking lot shall be calculated by multiplying the number of parking spaces by 270 square feet. Planting which is required along the perimeter of a parking lot shall not be considered as part of the interior landscaping requirement.
 24 spaces x 270 s.f. = 6,480 s.f. = 6,480 x 6% = 389 s.f. interior landscape required
 667 s.f. provided

Existing Tree Canopy
 5550 s.f. existing tree canopy
 3992 s.f. proposed tree canopy to remain = 72%
 Existing trees = 7
 Existing trees to be removed = 1 = 14% to be removed
 (Under 25% of the trees have been removed)

PLANT SCHEDULE

TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL	MATURE HEIGHT
	AC RR	3	ACER RUBRUM RED ROCKET	RED ROCKET MAPLE	B & B	2.5" CAL	30'
	AR OG	3	ACER RUBRUM 'OCTOBER GLORY' TM	OCTOBER GLORY MAPLE	B & B	2.5" CAL	45'
SHRUBS	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE		
	CA AC	12	CALAMAGROSTIS X ACUTIFLORA 'KARL FOERSTER'	FEATHER REED GRASS	3 GAL		
	CH JA	4	CHAENOMELES JAPONICA 'TEXAS SCARLET'	JAPANESE FLOWERING QUINCE	3 GAL		
	JU PR	9	JUNIPERUS PROCUMBENS 'NANA'	SHORE JUNIPER	3 GAL		



LANDSCAPE GUIDELINE SPECS.

- GENERAL:**
- Refer to the City of O'Fallon, Missouri specifications.
 - All natural vegetation shall be maintained where it does not interfere with construction or the permanent plan of operation. Every effort possible shall be made to protect existing vegetation or structures from damage due to equipment usage. Contractor shall at all times protect all materials and work against injury to the public.
 - The landscape contractor shall be responsible for any coordination with other site related work being performed by other contractors. Refer to architectural drawings for further coordination of work to be done.
 - Underground facilities, structures and utilities must be considered approximate only. There may be others not presently shown or known. It shall be the landscape contractor's responsibility to determine or verify the existence of and exact location of all utilities. (Call DIG-RITE, or 1-800-DIG-RITE)
 - Plant material are to be planted in the same relationship to grade as was grown in nursery conditions. All planting beds shall be cultivated to a depth of 6" minimum and graded smooth immediately before planting of plants. Plant groundcover to within 12" of trunk of trees or shrubs planted within the area.
 - It shall be the landscape contractor's responsibility to:
 - Verify all existing and proposed features shown on the drawings prior to commencement.
 - Report all discrepancies found with regard to existing conditions or proposed design to the landscape architect immediately for a decision.
 - Stake the locations of all proposed plant material and obtain the approval of the owner's representative or landscape architect prior to installation.
 - Items shown on this drawing take precedence over the material list. It shall be the landscape contractor's responsibility to verify all quantities and conditions prior to implementation of this plan. No substitutions of types or size of plant materials will be accepted without written approval from the landscape architect.
 - Provide single-stem trees unless otherwise noted in plant schedule.
 - All plant material shall comply with the recommendations and requirements of ANSI Z60.1 "American Standards for Nursery Stock"
 - It shall be the contractor's responsibility to provide for inspection of the plant material by the landscape architect prior to acceptance. Plants not conforming exactly to the plant list will not be accepted and shall be replaced at the landscape contractor's expense.
 - All bids are to have unit prices listed. The owner has the option to delete any portion of the contract prior to signing the contract or beginning work. This will be a unit price contract.
 - All plant material to be transplanted shall be in accordance to guidelines set by AAN standards. Transplanted material will not be guaranteed by the landscape contractor.

INSURANCE:

- The landscape contractor shall submit certificates of insurance for workman's compensation and general liability.

MULCH:

- All mulch to be shredded oak bark mulch at 3" depth after compaction (unless otherwise noted). Mulch shall be clean and free of all foreign materials, including weeds, mold, deleterious materials, etc.
- No plastic sheeting or filter fabric shall be placed beneath shredded oak bark mulch beds. Mirafab fabric shall be used beneath all gravel mulch beds.
- Landscape beds not bordered by concrete curbing or walks shall be edged with spade-cut edge unless otherwise noted.

MAINTENANCE:

- Landscape contractor shall provide a separate proposal to maintain all plants, shrubs, groundcover, perennials and annuals for a period of 12 months after acceptance.
- Contractor shall ensure that only competent and trained personnel shall provide such services and that such services be provided in a timely manner.

TOPSOIL:

- Topsoil mix for all proposed landscape plantings shall be five (5) parts well-drained screened organic topsoil to one (1) part Canadian sphagnum peat moss as per planting details. Roto-till topsoil mix to a depth of 6" minimum and grade smooth.
- Provide a soil analysis, as requested, made by an independent soil-testing agency outlining the percentage (%) of organic matter, inorganic matter, deleterious material, pH and mineral content.
- Any foreign topsoil used shall be free of roots, stumps, weeds, brush, stones (larger than 1"), litter or any other extraneous or toxic material.
- Landscape contractor to apply pre-emergent herbicide to all planting beds upon completion of planting operations and before application of shredded oak bark mulch.

MISC. MATERIAL:

- Provide stakes and deadman of sound, new hardwood, free of knotholes and defects.
- Tree wrap tape shall be 4" minimum, designed to prevent borer damage and winter freezing. Additionally, only 3-ply tying material shall be used.
-

TURF:

- All disturbed lawn areas to be sodded with a turf-type fescue, cut at a uniform thickness of 3/8". No broken pieces, irregular pieces or torn pieces will be accepted. Lawn areas shall be unconditionally warranted for a period of 90 days from date of final acceptance.
- Any points carrying concentrated water loads and all slopes of 15% or greater shall be sodded.
- All sod shall be placed a maximum of 24 hours after harvesting.
- Recondition existing lawn areas damaged by contractor's operations including equipment/material storage and movement of vehicles.
- Sod contractor to ensure sod is placed below sidewalk and all paved area elevations to allow for proper drainage.
- Off-site land disturbed shall be sodded to the right of way. (See Sheet Site Plan for areas disturbed for sidewalk, curb and sewer construction).

WARRANTY:

- All plant material (excluding ground cover, perennials and annuals) are to be warranted for a period of 12 months after installation at 100% of the installed price.
- Any plant material found to be defective shall be removed and replaced within 30 days of notification or in growth season determined to be best for the plant.
- Only one replacement per tree or shrub shall be required at the end of the warranty period, unless loss is due to failure to comply with warranty.
- Lawn establishment period will be in effect once the lawn has been mowed three times. Plant establishment period shall commence on the date of acceptance and 100% completion.

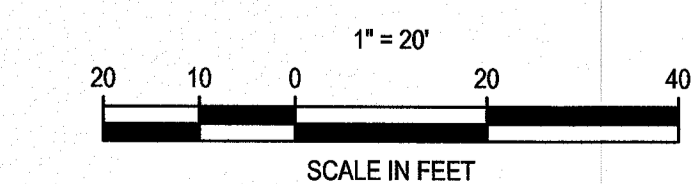
IRRIGATION:

- All landscape islands and green space, excluding the right of way, shall be irrigated.
- Underground irrigation system shall be design-build, location unknown at this time. 4" conduit under pavement per plans. All lawn and landscape areas shall be irrigated with an underground system.
- All off-site disturbed areas shall be sodded and temporarily irrigated for a period of 120 days.



NOTE:
 Underground utilities and structures have been plotted from available information and therefore, their location must be considered approximate only. It is the responsibility of the individual contractors to notify the utility companies before actual construction.

All O.S.H.A. rules and regulations established for the type of construction required by these plans shall be strictly followed (i.e. trenching, blasting, etc.).



SITE ADDRESS: 835 WEST TERRA LANE
 O'FALLON, MISSOURI 63366

PROJECT TITLE

LIGHTHOUSE
 A UNITED PENTECOSTAL CHURCH

PREMIER CIVIL ENGINEERING

308 TOW Court
 Lake Saint Louis, MO 63367
 Phone: (314) 925-7444 Fax: (314) 925-7457
 Missouri Certificate of Authority # E-2011000031
 Missouri Certificate of Authority # LS-2012007849

ENGINEERS AUTHENTICATION

The responsibility for professional engineering liability on this project is hereby limited to the seal of plans authorized by the seal, signature, and date hereunder attached. Responsibility is disclaimed for all other engineering plans involved in this project and specifically includes revisions after the date unless reauthorized.

James E. DuBois P.L.A.
 PROFESSIONAL LANDSCAPE ARCHITECT
 FLA-201604095

Developer / Owner Information

LIGHT HOUSE PENTECOSTAL CHURCH
 835 WEST TERRA LANE
 O'FALLON, MO 63366

LANDSCAPE PLAN

P+Z No. APPROVED: JULY 7, 2016

City No. 08-11.03

Sheet Number: C7.0

PCE PROJECT NO. 162201