

# Blount County

## Planning and Development Services

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### MEMORANDUM

**TO:** Blount County Planning Commission

**FROM:** Cameron Buckner  
Senior Planner

**DATE:** January 23, 2020

**SUBJECT:** Site Plan review for clubhouse and pool at Manor in the Foothills Subdivision at 3105 Farmhouse Road

#### Attachments

1. Location/Zoning Map
2. Site Plan
3. Landscape Plan
4. Elevations
5. Subdivision Plat

#### Applicant

Smithbilt Homes

Architect- Southland Designs

#### Land Use and Zoning

The subject property is zoned S (Suburbanizing). The existing land use is undeveloped.

#### I. Background

The proposed development is at 3105 Farmhouse Road within the Manor in the Foothills Subdivision (see attached subdivision plat). The existing property is 10 acres and is undeveloped and designated as a shared common area within the greater subdivision. The proposed development is that of a neighborhood clubhouse and pool which is considered to be an accessory use to the residential properties within the subdivision. The applicant is also proposing 44 parking spaces and an additional landscape buffer, which have been determined to be sufficient for the use. The property will be operated and maintained by

the property owners' associations established on the subdivision plat and with the recording of the restrictive covenants with the Blount County Register of Deeds office.

## **II. Conformance with Applicable Zoning Regulations**

### **Section 9.1. S-Suburbanizing**

The use is a permitted use via section 9.1.A. as an, "accessory structure customarily associated," with residential structures. A Site Plan is required due to the structure being a non-residential structure that is open to the public.

### **Section 7.15. Design Requirements for Commercial and Industrial Developments**

Per section 7.2.I., all Site Plan submissions are required to conform with the design requirements in section 7.15. The proposed development, per the submitted elevations, demonstrates compliance with this section by incorporating non-metal materials such as vinyl, brick, and glass.

### **Landscaping**

A landscape plan has been provided in order to demonstrate buffering between the proposed structure and the surrounding residential properties. The developer will be required to install and preserve the buffer in perpetuity.

### **Lighting**

A lighting plan has been requested and will be reviewed for compliance prior to the issuance of a building permit.

## **III. Environmental Health**

Environmental Health has no comment as this development is on sewer.

## **IV. Stormwater**

The Stormwater Coordinator has requested a drainage plan and will coordinate with the developer prior to the issuance of a building permit.

## **V. Recommendation**

Staff recommends approval, subject to any and all applicable state and county permits.

*Applicable code sections included below for reference:*

**Section 9.1 S – Suburbanizing District.** It is the purpose and intent of this district to regulate suburbanizing development of expected high to moderate density around the cities of Alcoa and Maryville, consistent with the overall purposes of this Resolution contained in Article 3, consistent with provisions in Public Chapter 1101 of 1998 (Tennessee Code Annotated Section 6-58-101, *et seq*), and consistent with plans adopted by Blount County.

A. Permitted Uses: one or two single family dwellings or manufactured home dwellings on a single lot, duplex dwellings, customary home occupations, group homes as provided in Tennessee Code Annotated, Section 13-24-101, *et seq*; churches, temples and other places of worship, cemeteries associated with churches and other places of worship; local, state and federal government and utility uses necessary for providing services to land or population within the district; and accessory structures customarily associated with the above uses.

**Section 7.15. Design Requirements for Commercial and Industrial Developments.**

A. Any commercial or industrial use permit requiring a site plan provided in Section 7.2 shall also require conformity with this section. The site plans required in this section shall conform to requirements of Section 7.2 and other requirements specified in this Section. All elements of use, including associated accessory elements such as garbage disposal areas, heating and air unit's exterior to buildings, and loading docks, shall be shown on the site plan. Site plan submittal shall contain required plans for stormwater management under this section, other applicable sections in the zoning regulations, and other County and State grading and stormwater permit regulations. The site plan shall contain specific design of parking areas required in this section and other sections in the zoning regulations.

B. Site plans and site plan elements shall be prepared by qualified professionals. Qualified professionals shall be licensed as one or a combination of architect, landscape architect and/or engineer.

C. To mitigate the impact of building appearance along scenic highways and other existing roads within the county exterior to a commercial development, the following design requirements shall apply.

1. The front, side and rear elevation of any building shall be provided as part of site plan submission for review and approval.

2. The front (facing highway or road) and side wall planes of buildings shall be staggered by occasional changes in surface planes or changes of materials or architectural features to avoid monolithic "box" appearance. Walls and roof visible to public roads shall have changes of wall and roof planes with at least a three (3) foot projection or recess no less than every thirty (30) feet horizontally. In addition, any of the following elements shall be integrated in walls visible to public roads at no less than thirty (30) feet spacing, both horizontally and vertically: porches; awnings; stairwells; doors; windows; chimney; changes in construction materials. Excessive repetition of only one or two architectural features above is prohibited.

Elements that are not acceptable as a means to comply with the requirement above include, but are not limited to: gutter downspouts; garage doors; retaining walls; changes in paint color, color bands or small (less than two (2) square feet) accent materials using flat tile; narrow trim; common hallways parallel to outside walls not including stairwells; window and door frames; shutters; structural or decorative columns; and narrow extensions (less than three feet wide) of fire walls.

3. Exterior walls visible from public roads shall be *constructed of at least 50 percent nonmetal building materials*. Exterior glass shall compose a minimum of five (5) percent of the façade of the building, unless the building is an open-air structure such as a produce market.

4. All accessory garbage and disposal facilities (dumpsters, etc.) and accessory heating and air facilities shall be screened with materials compatible in appearance to the principal structure. Loading docks shall be placed away from fronting roads, and shall be screened if visible from residential uses.

D. Outdoor Lighting Standards. In both rural and urban settings, proper design of commercial lighting is important in order to address impacts on surrounding properties and the character of the community. A complete lighting plan shall be part of site plan documents, and the site plan approval body (Planning Commission or Board of Zoning Appeals) may set appropriate conditions for spill light mitigation during site plan review and approval. The following apply particularly to new commercial developments, and shall also be applied to substantial additions or expansions to existing developments. All lighting structures in existence prior to adoption of these regulations are exempt from further regulations, provided that replacement of structures shall meet all of these regulations.

1. Maximum spill light (light trespass) at perimeter of a commercial property shall be subject to the following performance standards and requirements:

For locations in the Urban Growth Boundary of Maryville and Alcoa as defined in the 1101 Growth Plan, maximum spill light shall be no greater than 0.8 footcandles.

2. Lighting Plan. A qualified professional, either electrical engineer, certified lighting contractor, or electrical contractor qualified in lighting plans and installation, shall prepare and certify a lighting plan conforming to requirements in these regulations. All lighting plans shall follow standards for footcandle output as established by the Illuminating Engineering Society of North America (IESNA). A light “point by point” footcandle diagram shall be shown on the site plan with a 10x10 foot maximum grid. The diagram shall cover at least ten feet on either side of property lines that border residential zones or uses.

The qualified professional who prepares the lighting plan shall inspect the installation of all lighting equipment, and conduct a performance verification to measure spill light illuminance levels of all lighting after lighting installation, to include night-time field measurements of spill light at a vertical height of 6 feet from ground level at points spaced no greater than fifty feet apart along the perimeter of the commercial property, and at points along the perimeter closest to lighting fixtures. Where lighting installation does not meet required performance standards, the

qualified professional shall coordinate adjustment of the lighting installation to meet such standards and again conduct performance verification measurements specified above. Upon completion of installation, inspection of installation, and performance verification measurements (with any necessary adjustments), the qualified professional shall submit a drawing showing the final measured spill light illumination levels specified at points along the perimeter identified above, with professional stamp and signed certification letter that lighting installation and performance meets all applicable standards and the approved site plan. For phased installation of lighting, new measurements for all lighting, drawing, and certification shall be required for each phase as specified above.

3. All lighting structures of greater than 1000 lumens shall be full cut-off type, mounted facing to the ground with no upward angle, to minimize unnecessary scattering of light. All lighting structures shall be designed and placed so as to minimize light spill and glare to surrounding residential properties.

4. The site plan for lighting shall include all lighting pole locations and luminaire mounting heights, all security and safety lighting structures, and projected spill light illuminance and glare of all lighting combined at commercial property perimeter, meeting standards above. Means for minimizing and mitigating glare shall be part of the lighting plan submitted for site plan review and approval. No light shall be mounted at height greater than 20 feet.

5. Tall shrubs and trees may be considered as screens to reduce glare and spill light.

6. External lighting of the face of signs or walls of structures shall be placed above the sign or wall and shielded. Sign or wall lighting shall not reflect or glare beyond the face of the sign or wall.

7. Uplighting is prohibited except in cases where the fixture is shielded from the sky by a roof overhang or similar structural shield, and where the fixture does not cause light to extend beyond the structural shield. Exempt from this is lighting of governmental flags only, provided that the combined lighting is no more than 1300 lumens, and provided that the fixtures shall be shielded such that the lamp(s) is not visible outside a 15 foot radius.

8. Flashing or intermittent lights, lights of changing degree of intensity, or moving lights shall not be permitted, provided that holiday lights are exempt, and provided that necessary emergency and tower lighting is exempt, and provided that lighting cut-off or dimming at close of business is exempt and encouraged, and provided that sensor activated security lighting is exempt and encouraged.

9. Luminaires that have a maximum output of 260 lumens per fixture, regardless of number of bulbs, (equal to one 20 watt incandescent light), may be left unshielded provided that the fixture has an opaque top to keep light from shining directly up. Luminaires that have a maximum output of 1,000 lumens per fixture, regardless of number of bulbs, (equal to one 60 watt incandescent light) may be partially shielded, provided the bulb is not visible, and the fixture has an opaque top to keep light from shining directly up.

10. Canopy lights – all lighting shall be recessed to full cut-off standard and recessed sufficiently so as to ensure that no light source is visible from or causes glare on public rights-of-way or adjacent property.

11. All non-essential exterior commercial lighting is to be turned off after business hours and when not needed. Lights with timer installed are encouraged. Sensor activated lights are encouraged to replace lighting that is desired for security purposes.

12. Sports lighting – sports field lighting fixtures shall be mounted no higher than 90 feet, provided that such sports field light fixtures shall be a distance 40 feet or height of pole whichever is greater from any adjacent residential or residentially zoned property boundary, and provided that no outside sporting event shall start after 10:00 p.m. or extend beyond 11:00 p.m. with all field lights out by 11:30 p.m., and provided that sports fields shall provide tall vegetative or other acceptable buffering from adjacent properties in order to reduce and mitigate glare.

13. Temporary lighting such as that used at construction sites or other uses of a temporary nature are exempt, provided that the temporary lighting shall be aimed so as to minimize glare and light trespass to adjacent properties, turned off after 11:00 p.m. (except for necessary security lighting), and turned off after completion of project.

#### 14. Definitions

Bulb - the source of electric light. This is to be distinguished from the whole assembly (See Luminaire).

Fully Shielded - outdoor light fixtures shielded or constructed so that no light rays are emitted by the installed fixtures at angles above the horizontal plane. This means that the shield is not flush or parallel with the light source or bulb. This is referred to in this document as a full cut-off fixture.

Fixture -- The assembly that holds the lamp (bulb) in a lighting system. It includes the elements designed to give light output control, such as a reflector (mirror) or refractor (lens), the ballast, housing, and the attachment parts.

Flood Light - a lamp that produces up to 1800 lumens and is designed to "flood" a well defined area with light. Generally, flood lights produce from 1000 to 1800 lumens.

Full Cut-Off (fco) -- a light fixture which cuts off all upward transmission of light, and as installed, that are designed or shielded in such a manner that all light rays emitted by the fixture, either directly from the lamp or indirectly from the fixture, are projected below a horizontal plane running through the lowest point on the fixture where light is emitted as defined by the IENSA..

Footcandle - illuminance produced on a surface one foot from a uniform point source of one candela. Measured by a light meter.

Glare -- The sensation produced by luminance within the visual field that is sufficiently greater than the luminance to which the eyes are adapted to cause annoyance, discomfort, or loss in visual performance and visibility.

IESNA - the Illuminating Engineering Society of North America (IESNA), the professional society of lighting engineers, including those from manufacturing companies, and others professionally involved in lighting.

Illuminance - the quantity of light, or luminous flux, arriving at a surface divided by the area of the illuminated surface, measured in lux or foot candles.

Lamp - the source of electric light: the bulb and its housing. This is to be distinguished from the whole assembly (See Luminaire).

Light trespass - light emitted by a lighting installation that falls outside the boundaries of the property on which the installation is sited (also called spill light)

Lumen -- a unit of light measurement, measure of brightness of the illumination exiting a bulb; the light output of a lamp with a uniform luminous intensity of one candela. One footcandle is one lumen per square foot.

Luminance - the physical quantity corresponding to the brightness of a surface (e.g. a lamp, luminaries, sky, or reflecting material) in a specified direction. It is the luminous intensity of an area of the surface divided by that area.

Luminaire - a complete lighting unit consisting of a lamp or lamps together with the parts designed to distribute the light, to position and protect the lamps and to connect the lamps to the power supply.

Outdoor Lighting and Light Fixtures - outdoor artificial illuminating devices, outdoor fixtures, lamps and other devices, permanent or portable, used for illumination or advertisement. Fixtures that are installed indoors that are intended to light something 28 outside are considered outdoor lighting. Such devices shall include, but are not limited to search, spot, or flood lights for:

- 1) buildings and structures, including canopies and overhangs
- 2) recreational areas
- 3) parking lot lighting
- 4) landscape lighting
- 5) billboards and signs
- 6) display and service areas

Recessed - means that a fixture is built into a structure or portion of a structure such that the fixture is fully cutoff and no part of the lamp extends or protrudes beyond the underside or any portion of the structure.

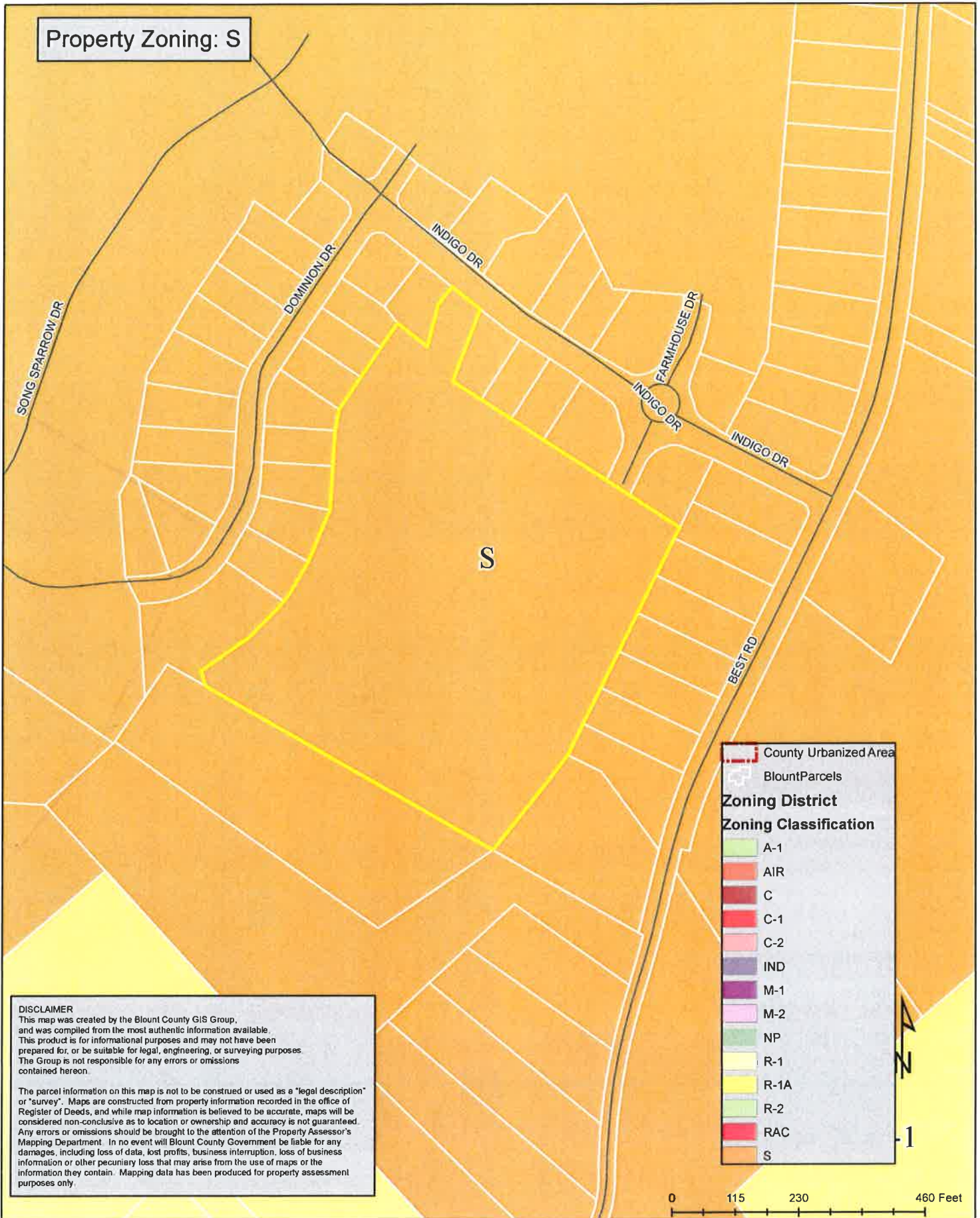
Spill light - light emitted by a lighting installation that falls outside the boundaries of the property on which the installation is sited (also called light trespass).

Uplighting - lighting that is directed in such a manner as to shine light rays above the horizontal plane.



# 3105 Farmhouse, Maryville, TN

Property Zoning: S





## Conceptual Layout Plan

**Primov Land Company**

## Best Road Subdivision Neighborhood Amenity Package

[illegible]





**RIGHT ELEVATION**  
SCALE: 1/8" = 1'-0"



OR PHASE I

13 SINGLE FAMILY LOTS  
(LOT #77)  
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