

Permeable Paver Detail

IN ORDER TO MINIMIZE THE IMPACT OF LARGE EXPANSES OF IMPERVIOUS SURFACES ON THE ENVIRONMENT, 5% OF THE PARKING SPACES OF ALL LOTS IN EXCESS OF 36 SPACES SHALL BE CONSTRUCTED USING PERVIOUS PAVEMENT SYSTEMS (170,397 S.F.) X 36 = 3,520 S.F. = 21 SPACES. THIS FIGURE SHALL BE CALCULATED ON A DEVELOPMENT-WIDE BASIS. THE PERVIOUS MATERIAL MUST BE PROPERLY MAINTAINED, USING A TECHNIQUE FOUND IN THE NCECO STORMWATER BMP MANUAL.

- PROPOSED NEW STRIPED PARKING SPACES REPRESENT PERVIOUS PAVERS. SEE NOTE BELOW IN DETAIL SHEET FOR MORE INFORMATION. (typical)
- PROPOSED STREET SIDE STRIPING SHALL BE 7'-22" (typical)
- PROPOSED BUILDING SETBACK LINES (TYPICAL)
- IF THERE IS FRONT LOADED GARAGES THEN SETBACKS MUST BE 30' FT INSTEAD OF 30' FT. NO EXEMPTIONS PER CITY OF BELMONT REGULATIONS.
- PROPOSED STRIPING SHALL BE THERMOPLASTIC PERMANENT POLYUREA NICDOT STRIPING PAINT. (typical)
- PROPOSED NEWLY PLANTED LARGE MATURING TREE
- PROPOSED BLACK CHAINLINK FENCING (typical)

Tree #	Diameter	Condition	Root Mass	Multplier	Tree Size (Sq Ft)
15842	20	Good	291	1.5	436.5
15843	19	Fair	200	1.5	300
15845	16	Good	199	1	199
15849	12	Good	113	1	113
15850	12	Fair	113	1	113
15856	15	Good	176	1	176
15864	18	Good	173	1.5	259.5
15907	22	Good	235	1.5	352.5
15849	11	Fair	62	1	62
15952	15	Good	177	1	177
15851	12	Good	114	1	114
15853	19	Good	289	1.5	433.5
15855	18	Good	181	1.5	271.5
15888	20	Good	280	1.5	420
15886	11	Good	56	1	56
15894	15	Good	90	1	90
15991	15	Good	97	1	97
		Total			4441

TREE SAVE AREA REQUIREMENTS:
 TOTAL TREE SAVE AREA CALCULATIONS
 TOTAL TREE SAVE AREA EXISTING TREES = 4,441 SQ FT
 TOTAL AREA OF DEVELOPMENT = 67,442 x 10 1/8 = 744 SQ FT REQUIRED
 NEWLY PLANTED LARGE MATURING TREES: 1,009 SQ FT / TREE
 NEWLY PLANTED LARGE MATURING TREES REQUIRED: 4 x 1,200 = 4,800 SQ FT
 TOTAL TREE SAVE AREA PROVIDED = 4,441 SQ FT + 4,800 SQ FT = 9,241 SQ FT

811 OFF-STREET PARKING AREA DESIGN SPECIFICATIONS
 FOR LARGE LOTS (MORE THAN 36 SPACES), LANDSCAPING SHALL BE AT THE PERIMETER AND THE INTERIOR IN LARGE LOTS. THE LANDSCAPING SHALL BE PLACED TO BREAK THE LOT INTO PARKING MODULES OF NOT MORE THAN THIRTY-SIX SPACES. THE PERIMETER YARD OF ALL PARKING LOTS SHALL BE SCREENED WITH A TYPE B (SEMI-OPAQUE SCREEN) IN ACCORDANCE WITH 11.2 (B). THE INTERIOR YARD OF ALL PARKING AREAS SHALL BE LANDSCAPED WITH TYPE C (INTERIOR PLANTINGS) IN ACCORDANCE WITH 11.2 (C).

PARKING PROVIDED 137 SPACES + 3 HANDICAPPED SPACES

- TYPE A BUFFER**
 Minimum width: 30 ft
 a. Intermittent planting of deciduous and evergreen trees shall obtain a height at maturity of no less than 20 feet and have no unobstructed openings wider than 20 feet between tree canopies at the time of installation.
 b. At the time of installation, shrub plantings shall have a minimum height of three feet and have no unobstructed openings wider than four feet.
 c. At least 50% of the required trees, and at least 75% of the required shrubs, shall be evergreen species locally adapted to the area.
 d. Where a natural buffer exists, it is to remain undisturbed. If the existing conditions of the buffer do not meet requirements of Type A landscaping, supplemental planting may be required by the planning director, if allowable by the jurisdiction governing the natural resource buffer.
- TYPE B BUFFER**
 a. This type functions as a semi-opaque screen from the ground to at least a height of four (4) feet for screening of car lights and glare.
 b. Shrub plantings shall have no unobstructed openings wider than four (4) feet at the time of installation.
 c. At least 75 % of the required shrubs shall be evergreen species locally adapted to the area.
 d. All side yard parking areas in the Downtown and Neighborhood Corridor-Commercial districts shall be screened from the sidewalk by low walls, fences, or constructed as a continuation of the building wall a minimum of three (3) feet in height.
 e. The use of existing vegetation to satisfy this requirement is encouraged.

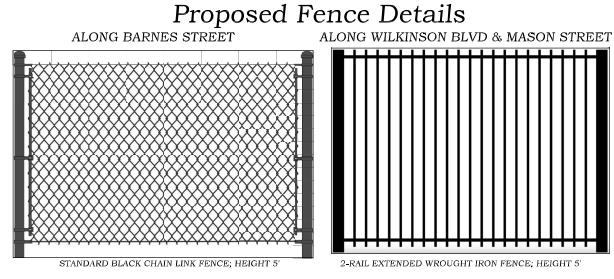
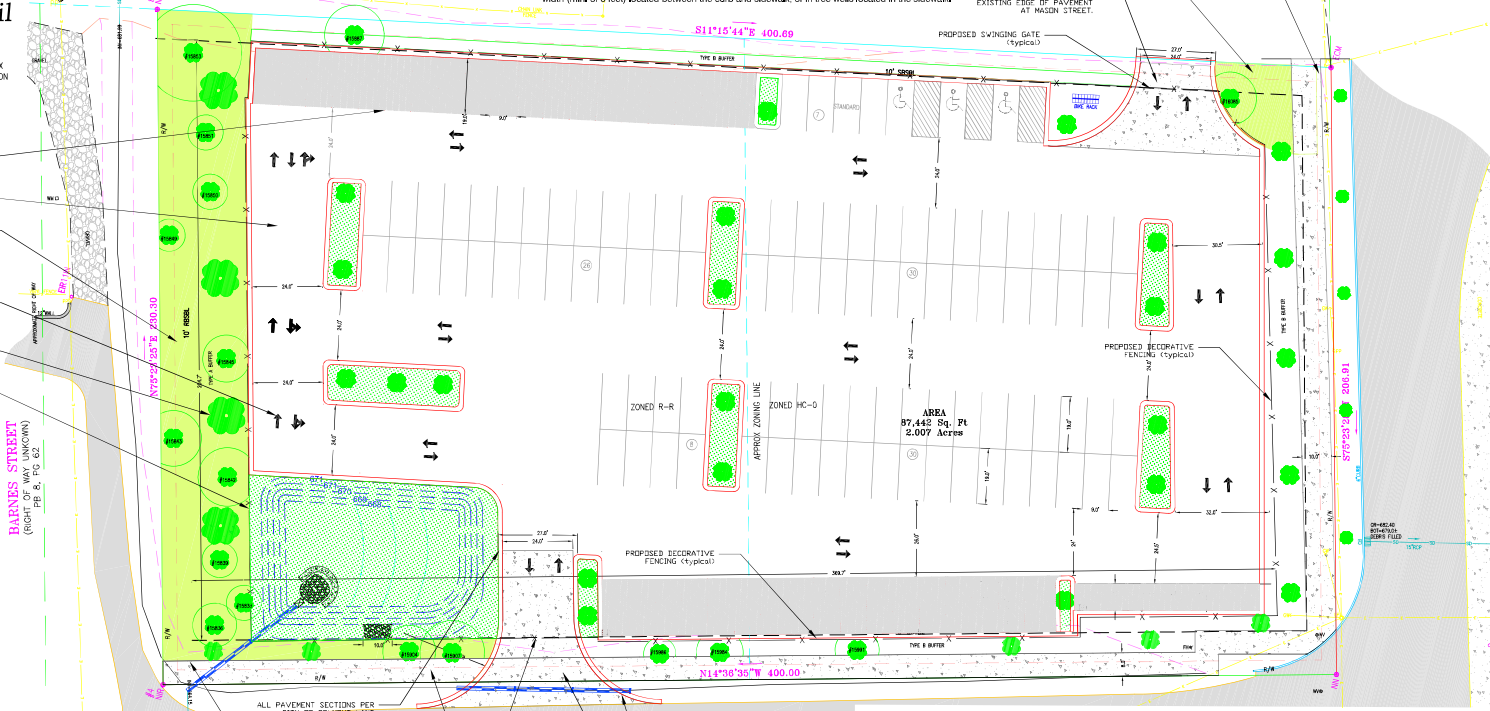
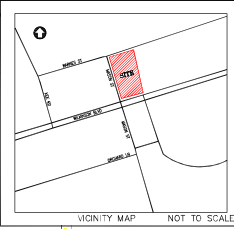
- TYPE C BUFFER**
 a. Type C landscaping functions as a tree ceiling over a parking area providing shelter from sun and rain and minimizing the impact of runoff.
 b. Large maturing canopy trees shall be planted in a manner that provides shade for the entire parking area at maturity.
 c. No parking space shall be more than 60 ft from the base of a canopy tree at planting.
 d. All rows of parking must terminate with landscaped islands that are at least nine ft wide, and at least as long as the adjacent parking space.
 e. Islands at the end of a single row of parking shall be at least 18 ft long and must contain at least one shade tree that is at least 3" in caliper at the time of planting.
 f. Islands at the end of a double row of parking must be at least 36 ft long and must contain at least two shade trees that are at least 3" in caliper when planted. These landscaped islands must be at least 324 square feet in area, as measured from the back of the curb.
TYPE D BUFFER
 a. Along all street frontages (all districts)
 b. This type functions as a unifying element along all street frontages by establishing an attractive and consistent streetscape and scale. Street tree plantings soften the transition of the public street to the private yard and provide shelter from sun and rain to pedestrians and drivers.
 Specifications
 a. Trees shall be spaced at a minimum average of:
 i. Large-maturing trees = 45 ft on-center.
 ii. Medium-maturing trees = 30 ft on-center.
 iii. Small-maturing trees = 20 ft on-center.
 b. Trees shall be planted parallel to the street within a well-defined planting strip of consistent width (min. of 6 feet) located between the curb and sidewalk, or in tree wells located in the sidewalk.

Owner/Developer/Contractor:
Ecclesiastes 7-8-14 LLC
 Now/Formerly:
WHITESIDES INDUSTRIAL PROPERTIES
 6213 WILKINSON BLVD, BELMONT, NC 28012

City/Design by:
ECEA
 625 Huntsman Court
 Gastonia, N.C. 28054

PROPERTY TAX ID NO: 185766 & 185780
 CURRENT USE: VACANT
 PROPOSED USE: PARKING LOT TO PROVIDE ADDITIONAL PARKING FOR DENT WIZARD (ADJACENT)
 PARCEL SIZE: 2,007 ACRES (+/-) TOTAL
 PRE IMPERVIOUS AREA 400 ACRES
 POST IMPERVIOUS AREA 127 (+/-) ACRES
 BCO-HCO (185780) AND RR (185786) HCO-DCO

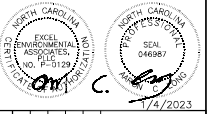
RE.D. 5 LLC
 DEED BOOK 5039, PAGE 602



PROJECT No.: 2022104
 DRAWN BY: BJPJ
 CHECKED BY: ACL
 DATE: 12.15.2022
 SCALE: 1" = 20'-0"

Ecclesiastes

7:8-14 LLC



FOR REVIEW ONLY - NOT FOR CONSTRUCTION

F:\JOBS\2022104 WHITESIDES INDUSTRIAL PROPERTIES 6213 WILKINSON BLVD PARKING LOT\CONSTRUCTION DWG\SITEPLAN

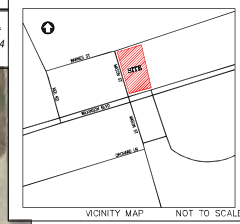
Date of Revisions
 12/15/22 - Per City of Belmont
 1/4/23 - Per City of Belmont

SHEET 3 OF 4
 SITEPLAN

1/4/2023



Owner/Developer/Contractor:	Client/Design by:
Ecclesiastes 7:8-14 LLC	ECEA
Now/Formerly:	625 Huntsman Court
WHITESIDES INDUSTRIAL PROPERTIES	Gastonia, N.C. 28054
6213 WILKINSON BLVD. BELMONT NC 28012	



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CHECKED BY.:	ACL
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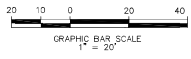
7:8-14 LLC



10/20/2022

ENVIRONMENTAL NOTES:

PROPERTY CONTAINS NO FLOODPLAINS; WETLAND; ROCK OUTCROPPINGS; PERENNIAL STREAMS, NATURAL DRAINAGEWAYS, LAKES OR OTHER WATER BODIES. A TREE SURVEY HAS BEEN COMPLETED BY HARTWOOD TREE DATED JULY 18, 2022 WITH TREE INVENTORY SHOWN ON SITE SURVEY. A SEARCH WAS COMPLETED IN GASTON COUNTY AND NORTH CAROLINA DATABASES AND IDENTIFIED NO KNOWN ENDANGERED SPECIES ASSOCIATED WITH THE SUBJECT PARCELS.



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Date of Revisions
SHEET 4 OF 4
2022 AERIAL