



Project 210201 – 10105 Vista Hills Boulevard
Mount Washington Quadrangle, Jefferson County, Kentucky

According to the Geologic Map of the Mount Washington Quadrangle, North-Central Kentucky (Kepferle, 1976), the southerly part of the subject property, about 100 linear feet, as measured along Vista Hills Boulevard, is underlain by the lower portion of the Louisville Limestone; the middle part, about 150 feet in length, is underlain by the Waldron Shale; and the remaining northerly part, about 125 feet, is underlain by the upper portion of the Laurel Dolomite. On that map, the Louisville is described as a gray colored, fine to medium crystalline, dolomitic unit, in which springs are common at the base of the Waldron is described as a 9 to 15 foot thick, gray colored shale unit, that weathers in gentle slopes, locally forms benches, and upon which farm ponds are common. The upper Laurel is described as a grayish, fine to medium crystalline dolomitic unit, distinguished by "quarry-stone" bedding, which ranges from 0.2 to 2.8 feet in thickness. As shown on the Kentucky Geologic Survey's online map, the subject property and environs, are situated in a region of Undefined Karst Potential; however, the Laurel is noted as being "Prone" to Karst activity.

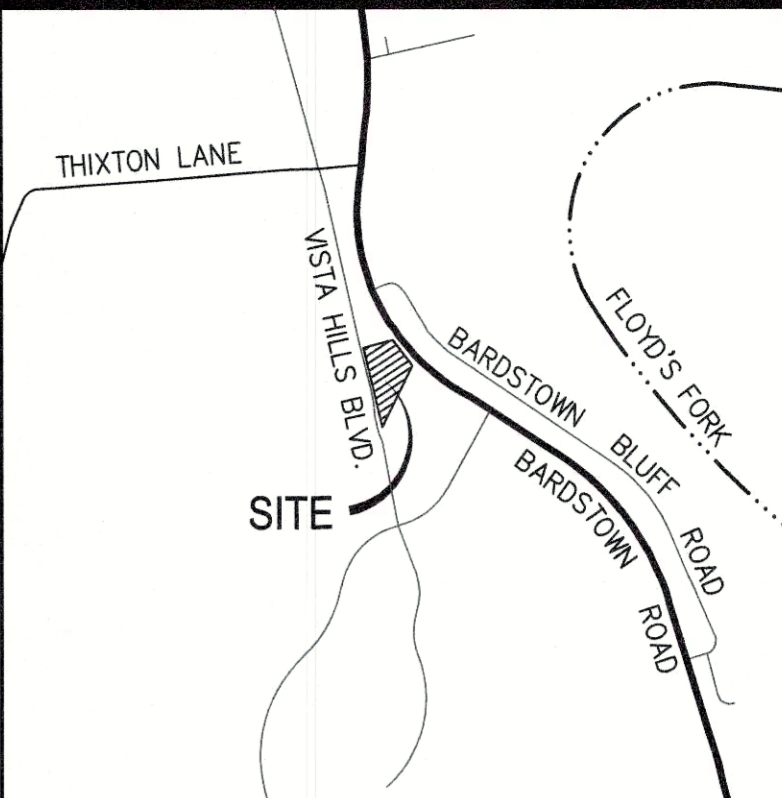
An on-site field inspection of the subject property was conducted on October 18, 2021. Portions of the site within the various parkway buffers along Bardstown Road were covered by woods and heavy undergrowth, somewhat limiting observation in those areas; however, in the viewable areas, there were no sinking streams, springs, or outcrops noted. One very small surface depression was noted in the northerly part of the property, about 25 feet north of the existing shed, which may, or may not, be indicative of a small sinkhole.

SITE DATA

GROSS SITE AREA 1.26 ACRES (55,075.99 S.F.)
EXISTING ZONING RR
EXISTING FORM DISTRICT NFD w/ FF OVERLAY
EXISTING NUMBER OF LOTS 1
PROPOSED ZONING R-5
PROPOSED USE RESIDENTIAL
PROPOSED NUMBER OF LOTS 6
DENSITY 4.76 D.U./AC.

REQUIRED SETBACKS

MIN. FRONT & STREET SIDE YARD 15'
SIDE YARD 5'
REAR YARD 25'
MAX. BUILDING HEIGHT 35'
PARKWAY SETBACK 75'
PARKWAY BUFFER 50'



LOCATION MAP
NOT TO SCALE

REVISIONS table with columns: NO., BY, DATE, DESCRIPTION.

TREE CANOPY CALCULATIONS

Table with columns: CATEGORY, VALUE. Includes SITE AREA (55,076 SQ.FT.), EX. TREE CANOPY ON SITE (13,124 SQ.FT.), TREE MASSES (10,904 SQ.FT.), EX. TREE CANOPY TO BE PRESERVED (13,124 SQ.FT. (23.8%)), TREE CANOPY REQUIRED (22,030 SQ.FT. (40%)), ADDITIONAL TREE CANOPY REQUIRED (8,906 SQ.FT.), ADDITIONAL TREE CANOPY TO BE PROVIDED (9,600 SQ.FT. (17.4%)), TOTAL TREE CANOPY TO BE PROVIDED (22,724 SQ.FT. (41.3%)).

MSD NOTES

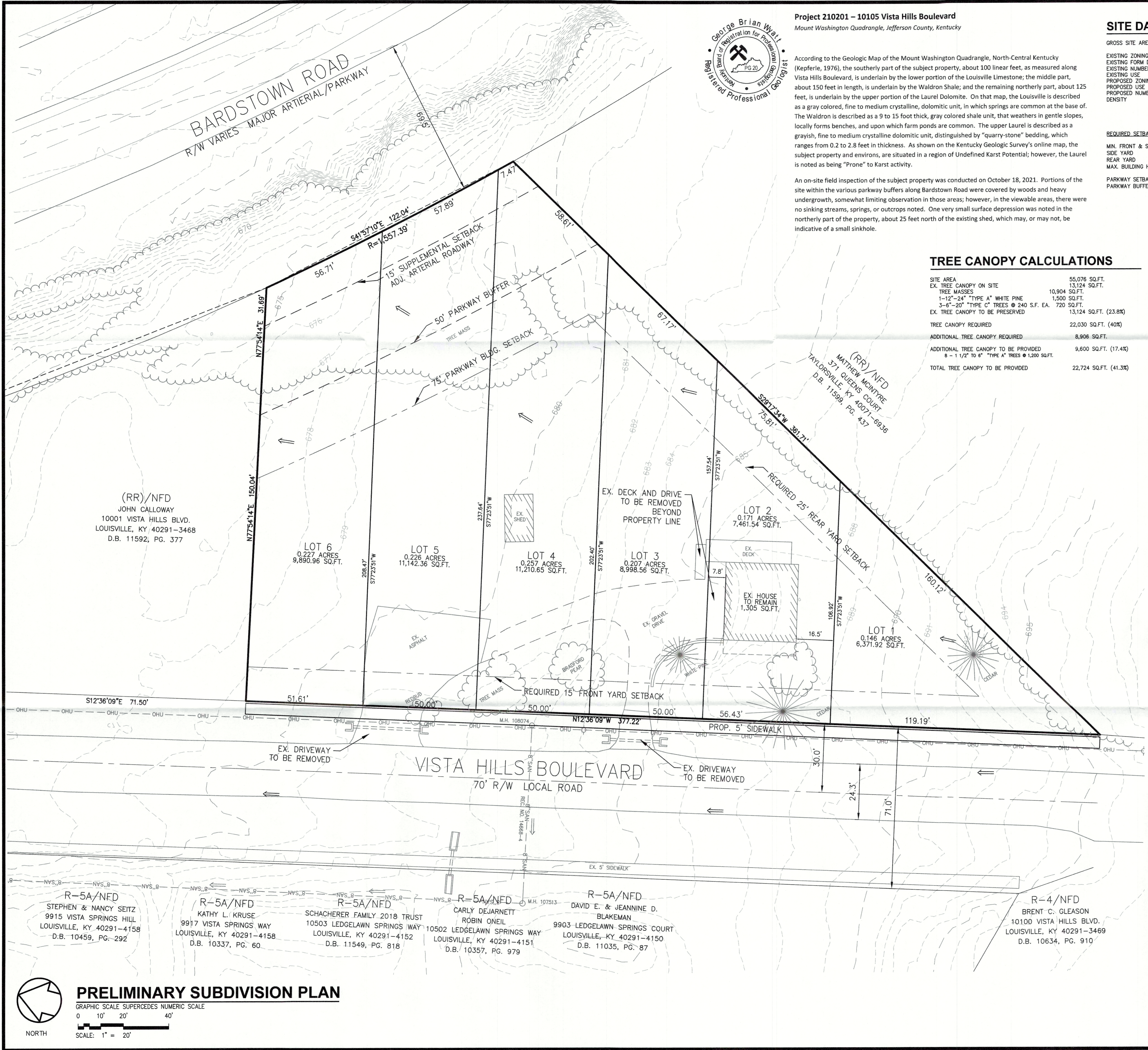
- 1. CONSTRUCTION PLANS AND DOCUMENTS SHALL COMPLY WITH LOUISVILLE AND JEFFERSON COUNTY METROPOLITAN SEWER DISTRICT'S DESIGN MANUAL AND STANDARD SPECIFICATIONS.
- 2. DRAINAGE PATTERN DEPICTED BY ARROWS IS FOR CONCEPT PURPOSES ONLY. FINAL CONFIGURATION AND DESIGN OF DRAINAGE PIPES AND CHANNELS SHALL BE DETERMINED DURING THE CONSTRUCTION PLAN DESIGN PROCESS. DRAINAGE FACILITIES SHALL CONFORM TO MSD REQUIREMENTS.
- 3. AN APPROVED EROSION PREVENTION AND SEDIMENT CONTROL (EPCS) PLAN SHALL BE IMPLEMENTED PRIOR TO ANY LAND DISTURBING ACTIVITY ON THE CONSTRUCTION SITE. ANY MODIFICATION TO THE APPROVED EPCS PLAN MUST BE REVIEWED AND APPROVED BY MSD'S PRIVATE DEVELOPMENT REVIEW OFFICE. EPCS BMP'S SHALL BE INSTALLED PER THE PLAN AND MSD STANDARDS.
- 4. ACTIONS MUST BE TAKEN TO MINIMIZE THE TRACKING OF MUD AND SOIL FROM CONSTRUCTION AREAS ONTO PUBLIC ROADWAYS. SOIL TRACKED ONTO THE ROADWAY SHALL BE REMOVED DAILY.
- 5. SOIL STOCKPILES SHALL BE LOCATED AWAY FROM STREAMS, PONDS, SWALES AND CATCH BASINS. STOCKPILES SHALL BE SEEDED, MULCHED, AND ADEQUATELY CONTAINED THROUGH THE USE OF SILT FENCE.
- 6. SITE SUBJECT TO MSD REGIONAL FACILITY FEES, SUBJECT TO KYTC APPROVAL FOR THE INCREASE RUNOFF TO THE RIGHT-OF-WAY. VERIFICATION OF DOWNSIDE SYSTEM MAY BE REQUIRED.
- 7. WHERE CONSTRUCTION OR LAND DISTURBANCE ACTIVITY WILL OR HAS TEMPORARILY CEASED ON ANY PORTION OF THE SITE, TEMPORARY SITE STABILIZATION MEASURES SHALL BE REQUIRED AS SOON AS PRACTICAL, BUT NO LATER THAN 14 CALENDAR DAYS AFTER THE ACTIVITY HAS CEASED.
- 8. SANITARY SEWERS SERVICE TO BE PROVIDED BY LATERAL EXTENSION, SUBJECT TO FEES AND ANY APPLICABLE CHARGES.
- 9. MSD SINGLE FAMILY, DEMOLITION OR SMALL COMMERCIAL PERMIT REQUIRED FOR EACH PROPOSED HOME PRIOR TO ISSUE OF BUILDING PERMIT.

GENERAL NOTES

- 1. THERE SHALL BE NO COMMERCIAL SIGNS IN THE RIGHT-OF-WAY.
- 2. THERE SHALL BE NO LANDSCAPING IN THE RIGHT-OF-WAY WITHOUT AN ENCROACHMENT PERMIT.
- 3. CONSTRUCTION PLANS, ENCROACHMENT PERMIT AND BOND WILL BE REQUIRED BY METRO PUBLIC WORKS FOR ALL WORK DONE WITHIN STREET RIGHT-OF-WAY.
- 4. AN ENCROACHMENT PERMIT AND BOND WILL BE REQUIRED FOR ALL WORK DONE IN THE RIGHT-OF-WAY.
- 5. THERE SHALL BE NO ACCESS TO BARDSTOWN ROAD FROM ANY PROPOSED LOTS.
- 6. MITIGATION MEASURES FOR DUST CONTROL SHALL BE IN PLACE DURING DEMOLITION AND CONSTRUCTION ACTIVITIES TO PREVENT FUGITIVE PARTICULATE EMISSIONS FROM REACHING EXISTING ROADS AND NEIGHBORING PROPERTIES.
- 7. BOUNDARY AND TOPOGRAPHIC INFORMATION TAKEN FROM DEED AND LIDAR.
- 8. SITE LIGHTING SHALL NOT SHINE IN THE EYES OF DRIVERS. IF IT DOES, IT SHALL BE RE-ARMED, SHIELDED OR TURNED OFF.
- 9. ALL NEW OR EXISTING SIDEWALKS SHALL BE EITHER BROUGHT UP TO OR BUILT TO A.D.A. CURRENT STANDARDS.
- 10. MOSQUITO CONTROL IN ACCORDANCE WITH CHAPTER 96 OF THE LOUISVILLE/JEFFERSON COUNTY METRO ORDINANCES.
- 11. PLANS MUST BE SUBMITTED TO HEALTH DEPARTMENT PRIOR TO CONSTRUCTION.
- 12. ALL DRAINAGE STRUCTURES WITHIN THE STATE RIGHT-OF-WAY SHALL BE OF STATE DESIGN.
- 13. CALCULATIONS WILL BE REQUIRED FOR ANY RUNOFF DEEMED NECESSARY TO BE TAKEN TO THE STATE RIGHT-OF-WAY. PROPOSALS TO ALTER OR SIGNIFICANTLY INCREASE A DRAINAGE AREA OR RUNOFF FACTORS OR TO CHANGE IN ANY WAY THE PERFORMANCE OF AN EXISTING DRAINAGE STRUCTURE SHALL BE ACCOMPANIED BY A COMPLETE DRAINAGE SURVEY AND HYDROLOGIC ANALYSIS (UPSTREAM AND DOWNSTREAM) BASED ON 25-YEAR AND 100-YEAR STORMS. THIS ANALYSIS SHALL INCLUDE A COMPARISON OF EXISTING AND PROPOSED CONDITIONS. REQUESTS TO ALTER DRAINAGE ON A RIGHT-OF-WAY SHALL RESULT IN CONDITIONS THAT ARE EQUAL TO OR BETTER THAN EXISTING FACILITIES.
- 14. COMPATIBLE UTILITY LINES (ELECTRIC, TELEPHONE, CABLE) SHALL BE PLACED IN A COMMON TRENCH UNLESS OTHERWISE REQUIRED BY APPROPRIATED AGENCIES.
- 15. THERE SHALL BE NO DIRECT ACCESS FROM U.S. 31E (BARDSTOWN ROAD) GRANTED AS A RESULT OF THIS PROPERTY DIVISION.
- 16. EXISTING DRIVEWAYS TO BE REMOVED. DRIVEWAY ACCESS TO VISTA HILLS BOULEVARD TO BE OBTAINED FROM METRO PUBLIC WORKS FOR EACH INDIVIDUAL LOT.

LEGEND

- X X X X --- EXISTING FENCE
- CENTERLINE
- 542 --- EXISTING CONTOUR
- EXISTING RETAINING WALL
- 8" SAN --- EXISTING SANITARY SEWER
- OHU --- EX. OVERHEAD UTILITIES
- EX. TREE LINE
- EX. STORM LINE w/ HEADWALLS
- DRAINAGE FLOW
- EXISTING UTILITY POLE
- EXISTING GUY WIRE
- EX. SANITARY SEWER MANHOLE



BTM Engineering logo and contact information: Consulting Engineers, Landscape Architects, Planners & Surveyors. 3601 Taylor Lane, Louisville, KY 40220. (502) 459-8402. www.btmeng.com

Professional Engineer Seal for H.R. Guyton III, License No. 22854, State of Kentucky.

DATE: 2/10/22
SIGNATURE: [Signature]

BTM PROJECT NO.: 210201
SITE INFORMATION: 10105 VISTA HILLS BOULEVARD, LOUISVILLE, KY 40291

DEVELOPER: WILLIAM E. & BEVERLY S. CALLOWAY
OWNER: WILLIAM E. & BEVERLY S. CALLOWAY
10105 VISTA HILLS BOULEVARD, LOUISVILLE, KY 40291

DRAWN BY: DHS
CHECKED BY: CRB
DATE: 09-17-2021
DRAWING: 210201 - SUB
SCALE: 1" = 20'
SHEET: 1.00

PRELIMINARY SUBDIVISION PLAN
GRAPHIC SCALE SUPERCEDES NUMERIC SCALE
0 10' 20' 40'
SCALE: 1" = 20'

RECEIVED
FEB 11 2022
PLANNING & DESIGN SERVICES
MSD WM #XXXX

NOT FOR CONSTRUCTION

21-ZONE-0138 Binding Elements:

1. The development shall be in accordance with the approved district development plan, all applicable sections of the Land Development Code (LDC) and agreed upon binding elements unless amended pursuant to the Land Development Code. Any changes/additions/alterations of any binding element(s) shall be submitted to the Planning Commission or the Planning Commission's designee for review and approval; any changes/additions/alterations not so referred shall not be valid.
2. The development shall be in accordance with the approved Preliminary Subdivision Plan. No further subdivision of the land into a greater number of lots than originally approved shall occur without approval of the Planning Commission.
3. Construction fencing shall be erected when off-site trees or tree canopy exists within 3' of a common property line. Fencing shall be in place prior to any grading or construction to protect the existing root systems from compaction. The fencing shall enclose the entire area beneath the tree canopy and shall remain in place until all construction is completed. No parking, material storage or construction activities are permitted within the protected area.
4. Before any permit (including but not limited to building, parking lot, change of use, site disturbance) is requested:
 - a. The development plan must receive full construction approval from Construction Review, Louisville Metro Public Works and the Metropolitan Sewer District.
 - b. The property owner/developer must obtain approval of a detailed plan for screening (buffering/landscaping) as described in Chapter 10 prior to requesting a building permit. Such plan shall be implemented prior to occupancy of the site and shall be maintained thereafter.
 - c. A major subdivision plat creating the lots as shown on the approved district development plan shall be recorded prior to issuance of any building permits.
 - c. A Tree Preservation Plan in accordance with Chapter 10 of the LDC shall be reviewed and approved prior to obtaining approval for site disturbance.
5. A certificate of occupancy must be received from the appropriate code enforcement department prior to occupancy of the structure or land for the proposed use. All binding elements requiring action and approval must be implemented prior to requesting issuance of the certificate of occupancy, unless specifically waived by the Planning Commission.
6. The applicant, developer, or property owner shall provide copies of these binding elements to tenants, purchasers, contractors, subcontractors and other parties engaged in development of this site and shall advise them of the content of these binding elements. These binding elements shall run with the land and the owner of the property and occupant of the property shall at all times be responsible for compliance with these binding elements. At all times during development of the site, the applicant and developer, their heirs, successors; and assignees, contractors, subcontractors, and other parties engaged in development of the site, shall be responsible for compliance with these binding elements.
7. A note shall be placed on the preliminary plan, construction plan and the record plat that states, "Construction fencing shall be erected prior to any grading or construction activities - preventing compaction of root systems of trees to be preserved. The fencing shall enclose the area beneath the dripline of the tree canopy and shall remain in place until all construction is completed. No parking, material storage, or construction activities shall be permitted within the fenced area."