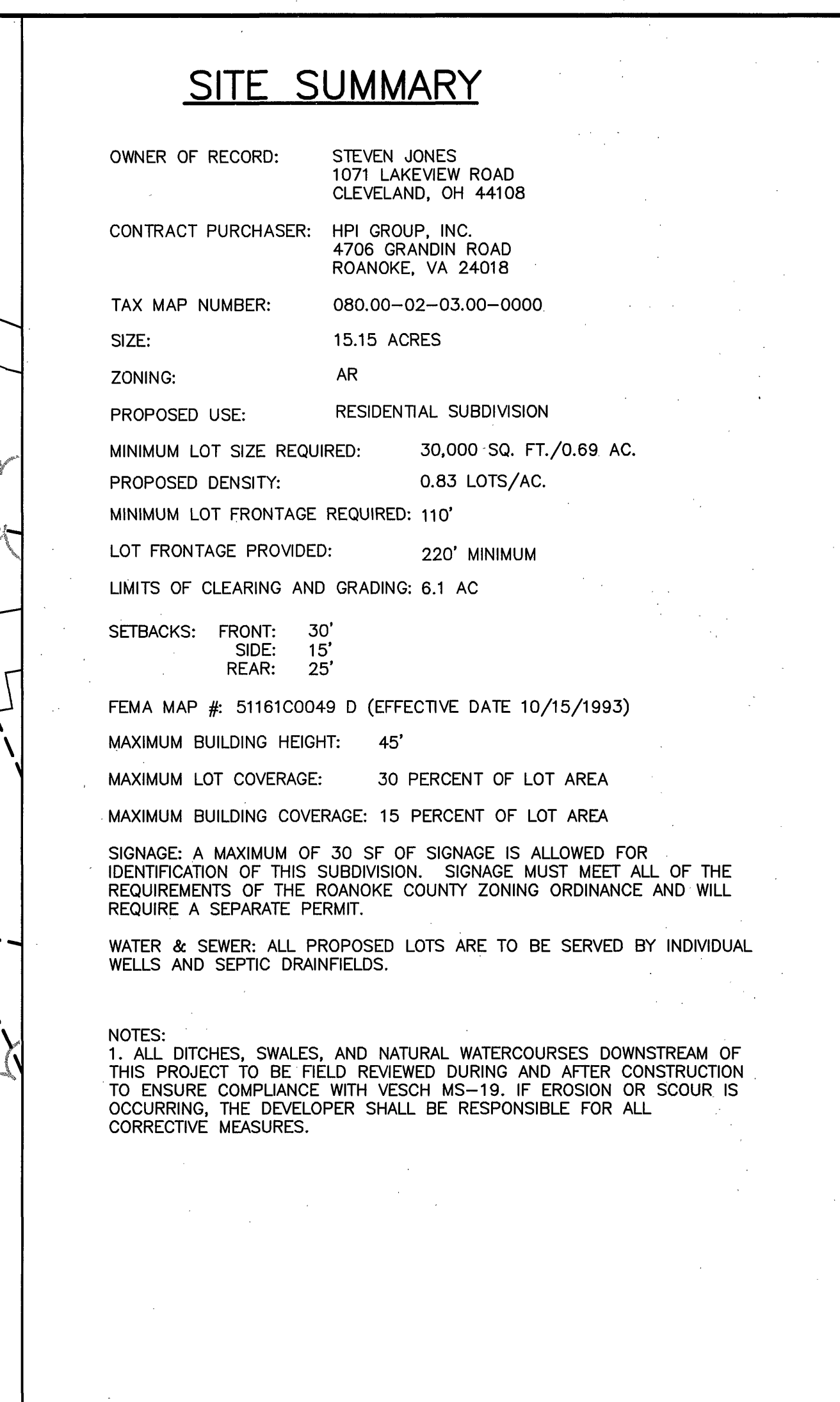




STA. 10+00 TO 13+00 = VAR. WIDTH R.O.W.

TYPICAL R.O.W. = 50'

4' 10' 10' 4' 4' MIN.

1:1 1/4":1" 1/4":1" 1:1 3:1 2:1 MAX.

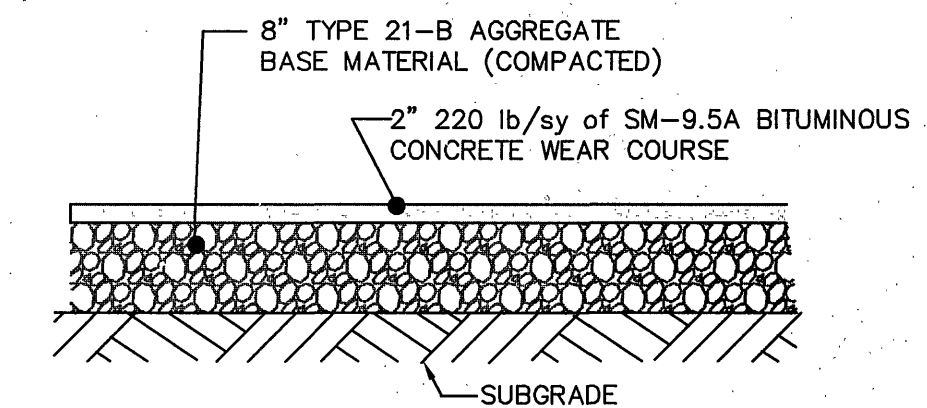
BITUMINOUS PAVEMENT

ROAD SHOULDER

*NOTE: SHOULDER TO BE INCREASED TO 5' WIDE WHERE GUARDRAIL IS REQUIRED

PAVEMENT DESIGN TO BE BASED ON AN ADT OF 110 AND A PREDICTED CBR OF 7.0

CBR TESTS AND FINAL PAVEMENT SPECIFICATION TO BE PROVIDED TO VDOT RESIDENCY FOR APPROVAL PRIOR TO INSTALLATION



NOTE: THE PRELIMINARY PAVEMENT DESIGNS SHOWN ARE BASED ON A PREDICTED SUB-GRADE CBR VALUE OF 7.0 AND A RESILIENCY FACTOR (RF) OF 2.0 AS SHOWN IN APPENDIX I OF THE "2000 VIRGINIA DEPARTMENT OF TRANSPORTATION PAVMENT DESIGN GUIDE FOR SUBDIVISION AND SECONDARY ROADS". THE SUB-GRADE SOIL IS TO BE TESTED BY AN INDEPENDENT LABORATORY AT THE SUBBASE TESTS. SUBMIT A SUBMITTAL VDOT FOR REVIEW AND APPROVAL PRIOR TO BASE CONSTRUCTION. SHOULD THE SUB-GRADE CBR VALUE AND/OR THE R VALUE BE LESS THAN THE PREDICATED VALUES, ADDITIONAL BASE MATERIAL WILL BE REQUIRED IN ACCORDANCE WITH THE DEPARTMENTAL SPECIFICATIONS. REFER TO THE SAME MANUAL FOR THE NUMBER AND LOCATIONS OF THE REQUIRED SOIL SAMPLES TO BE TESTED.

THE SUB-GRADE SHALL BE APPROVED BY VDOT PRIOR TO PLACEMENT OF THE BASE. BASE SHALL BE APPROVED BY VDOT FOR DEPTH, TEMPLATE AND COMPACTION BEFORE SURFACE IS APPLIED. THE SUBBASE WILL NOT BE INSPECTED BY VDOT PRIOR TO RECEIVING THE CBR TESTS AND SOIL CLASSIFICATIONS. CONTACT VDOT SEVEN (7) DAYS PRIOR TO SCHEDULING PLACEMENT OF AGGREGATE BASE COURSE(S) FOR AN INSPECTION.

A circular professional engineer seal for the Commonwealth of Virginia. The outer ring contains the text "COMMONWEALTH OF VIRGINIA" at the top and "PROFESSIONAL ENGINEER" at the bottom. Inside the ring, the name "Roger I. Sturgill" is written in cursive. Below the signature, the name "ROGER I. STURGILL" is printed in bold capital letters, followed by the number "No. 033058".

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FAX: 540/248-3221

ARK'S RIDGE ESTATES LAYOUT PLAN ROANOKE COUNTY, VIRGINIA

DRAWN BY: CPB
DESIGNED BY: CPB
CHECKED BY: JVJ
DATE: 06/26/2006
REVISIONS:

07/28/2006
09/01/2006
10/13/2006
01/10/2007
02/06/2007

SCALE: 1"=50'

SHEET NO.

C-2

JOB NO.
R0600104.00