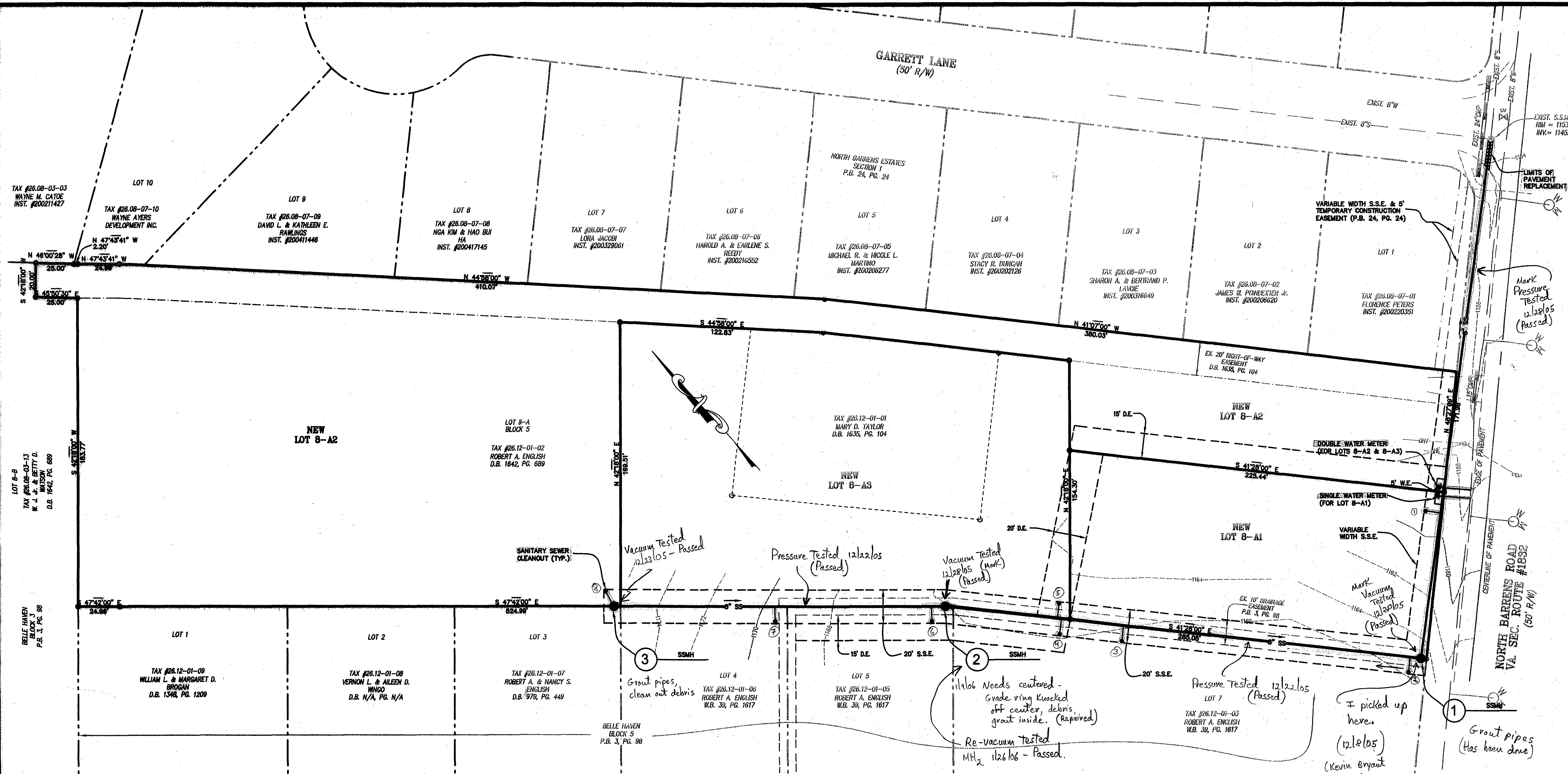


**SITE AND ZONING TABULATIONS:**

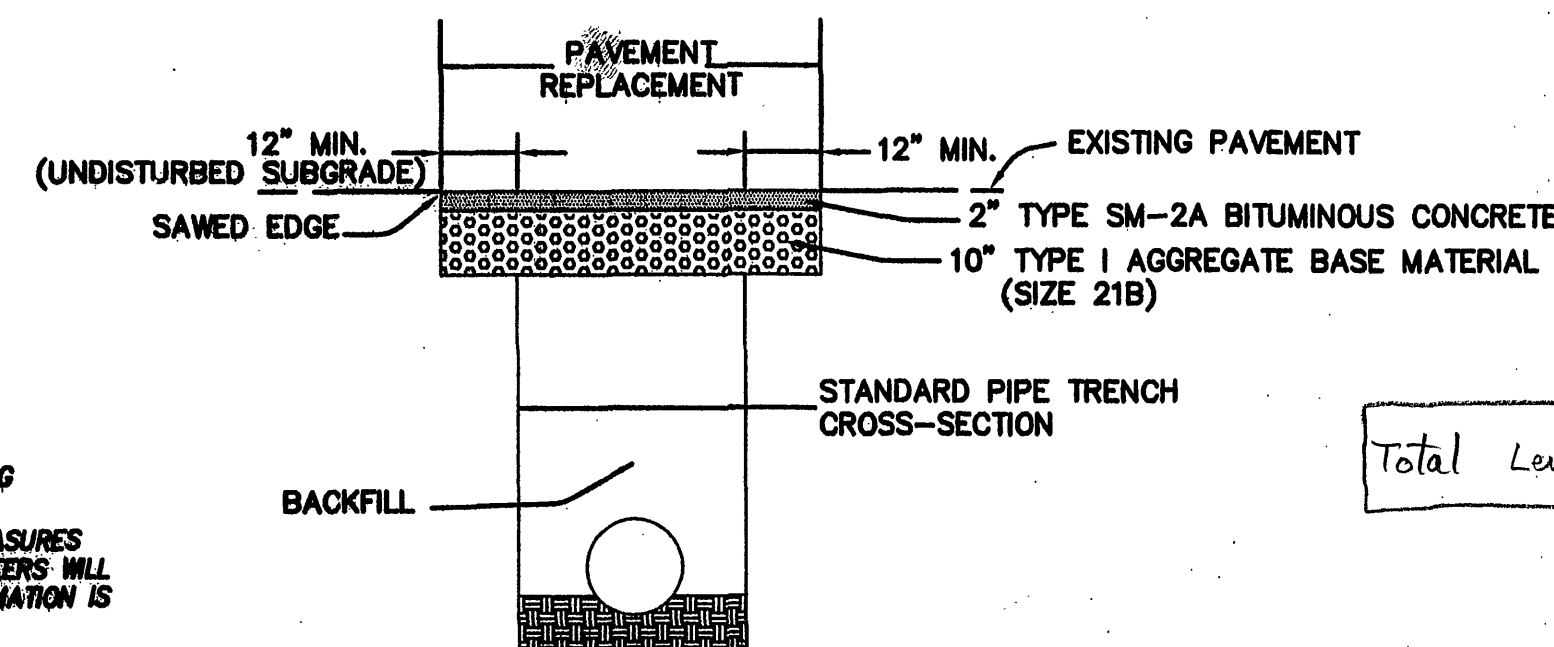
CURRENT ZONING: R1
 PROPOSED USE: SANITARY SEWER EXTENSION
 THE SITE SHOWN IS PART OF TAX MAP # 026.12-01-02

NOTES:

- THE PROPERTY SHOWN ON THESE PLANS IS LOCATED AT ROANOKE COUNTY TAX ASSESSMENT MAP # 026.12-01-02
- DEVELOPER: ROBERT A. ENGLISH
 8337 BELLE HAVEN RD.
 ROANOKE, VIRGINIA 24019 PH: (540) - 368 - 7019
 CONTACT PERSON: ROBERT A. ENGLISH (540 - 368 - 7019)
- TOPOGRAPHY DATA BASED ON A FIELD SURVEY PREPARED BY LUMSDEN ASSOCIATES, P.C.
- NO TITLE REPORT WAS FURNISHED FOR THIS PROPERTY.
- PROPERTY AS SHOWN DOES NOT LIE WITHIN THE LIMITS OF THE 100 YEAR FLOODPLAIN AS DEFINED BY THE FLOOD INSURANCE RATE MAPS (51161C00222).
- NO CONSTRUCTION/FIELD REVISIONS ARE ALLOWED WITHOUT THE APPROVAL OF THE CONSULTING ENGINEER AND ROANOKE COUNTY.
- ANY NEW ALIGNMENTS, CHANGES IN GRADES, ALTERNATE PIPE SIZES, MANHOLES, OR ESC MEASURES WILL REQUIRE A NEW SET OF PLANS STAMPED BY THE CONSULTING ENGINEER. COUNTY ENGINEERS WILL REVIEW PLANS WITHIN ONE DAY OF SUBMITTAL. PLAN SHEETS CAN BE 8.5 X 11 IF THE INFORMATION IS LEGIBLE AND WITHIN THE LIMITS OF THE APPROVED PLANS.

CONSTRUCTION NOTES:

- ALL CONSTRUCTION SHALL CONFORM TO THE CURRENT COUNTY OF ROANOKE STANDARDS AND SPECIFICATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE OWNER AND THE ENGINEER OF ANY CHANGES OR CONDITIONS ATTACHED TO PERMITS OBTAINED FROM ANY AUTHORITY ISSUING PERMITS.
- NO SUBSOIL INVESTIGATIONS HAVE BEEN FURNISHED TO THE DESIGNING ENGINEER.
- THE CONTRACTOR SHALL VISIT THE SITE AND VERIFY EXISTING CONDITIONS PRIOR TO STARTING CONSTRUCTION.
- THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION.
- THE CONTRACTOR AND OR OWNER SHALL PROVIDE A STORAGE CONTAINER FOR TEMPORARY STORAGE AND DISPOSAL OF LAND CLEARANCE DEBRIS AND BUILDING MATERIALS. ON-SITE BURIAL OF MATERIAL SHALL NOT BE PERMITTED.
- CONTRACTOR'S CERTIFIED RESPONSIBLE LAND DISTURBER SHALL BE NAMED AND A COPY OF THEIR RLD CERTIFICATE SHALL BE PROVIDED TO THE ROANOKE COUNTY DEPARTMENT OF COMMUNITY DEVELOPMENT AT LEAST TWO (2) DAYS PRIOR TO THE PRECONSTRUCTION MEETING. RLD SHALL ALSO ATTEND THE PRECONSTRUCTION MEETING.

**NOTES:**

- ALL CONSTRUCTION WITHIN THE PUBLIC RIGHT-OF-WAY SHALL BE AS SPECIFIED BY VDOT.
- ALL EXPOSED EDGES OF EXISTING BITUMINOUS SURFACE COURSE SHALL BE PRIMED BEFORE THE BITUMINOUS MIXTURES ARE REPLACED. EDGES OF TRENCH SHALL BE CUT TO A STRAIGHT LINE PRIOR TO PAVING.
- THE BACKFILL IN THE TRENCH SHALL BE SUITABLE AND THOROUGHLY COMPACTED IN 6-INCH LAYERS BY TAMPING OR BY OTHER APPROVED METHOD BEFORE THE OPENING IS PAVED. SHEETING OR SHORING SHALL BE USED WHEN REQUIRED BY THE DEPTH OF THE TRENCH OR TYPE OF MATERIAL IN ACCORDANCE WITH O.S.H.A. STANDARDS.

PAVEMENT REPLACEMENT**NOTES:**

- ALL WATER AND SANITARY SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE WESTERN VIRGINIA WATER AUTHORITY.
- THE CONNECTION TO THE EXISTING SANITARY SEWER MANHOLE SHALL BE PERFORMED BY THE WESTERN VIRGINIA WATER AUTHORITY. THE CONTRACTOR SHALL EXCAVATE TO THE BASE OF THE EXISTING MANHOLE, SHORE PER OSHA REQUIREMENTS, AND PROVIDE A CENTER MARK ON THE SIDE OF THE MANHOLE FOR THE TAP. THIS WORK SHOULD BE COORDINATED AT THE PRE-CONSTRUCTION MEETING.
- WATER METER SIZE IS 3/4" x 1/2" - UNLESS NOTED OTHERWISE, WATER SERVICES & SET WATER METER BOXES.
- PIPE MATERIAL FOR SEWER MAINS WILL BE PVC (SDR-35) OR APPROVED EQUAL.
- PRIVATE 10' WATERLINE EASEMENT SERVING LOT 8-A3 TO BE SITUATED 5 FEET EITHER SIDE OF WATER LINE AS CONSTRUCTED OUTSIDE OF NEW 15' DRAINAGE EASEMENT.

Manholes	
Ex. MH → MH ₁	309'
MH ₁ → MH ₂	283'
MH ₂ → MH ₃	196'

Laterals	
Ex. MH → Lat. 1	218.5'
MH ₁ → Lat. 2	9'
MH ₁ → Lat. 3	181'
MH ₁ → Lat. 4	214'
MH ₁ → Lat. 5	217'
MH ₂ → Lat. 6	9'
MH ₂ → Lat. 7	102'
Lat. 8 goes in MH ₃	

Length of Laterals
(from sewer line to cleanout)

Lat. 1	8'
Lat. 2	8.5'
Lat. 3	9'
Lat. 4	9'
Lat. 5	9'
Lat. 6	9.5'
Lat. 7	9.5'
Lat. 8	11'

Depth of Manholes

Ex. MH (to new invert)	
MH ₁	7'9"
MH ₂	7'
MH ₃	4'9"
	6'6"

AS - BUILT
 1/26/2006

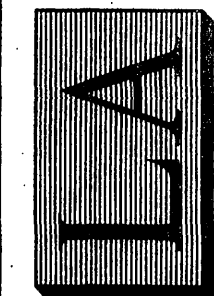
SANITARY SEWER LINE TABLE		
LINE	LENGTH	BEARING
EX. TO 1	310.71	S50°08'17"W
1 TO 2	286.29	N41°34'04"W
2 TO 3	199.32	N47°42'00"W
796.32'		

SANITARY SEWER TABLE		
LOT #	CO. INV.	MIN. FF
A1	1154.52	1158.50
A2	1169.81	1178.80
A3	1160.60	1168.30
7	1158.01	1162.10
FUT. 1	1160.11	1164.20
FUT. 2	1160.57	1164.70
5	1161.75	1165.80
4	1165.72	1169.80

Manholes : East Jordan 1040 A Lids
 East Jordan 1045 Z Frames

Pipe - SDR 35 (Plastic)

LUMSDEN ASSOCIATES, P.C.
 ENGINEERS-SURVEYORS-PLANNERS
 ROANOKE, VIRGINIA



THOMAS C. DALE
 No. 033002
 1/2005
 PROFESSIONAL ENGINEER

**DIMENSIONAL LAYOUT
 & NOTES & DETAILS**

SANITARY SEWER EXTENSION FOR LOT 8-A,
 BLOCK 5, BELLE HAVEN (P.B. 22 PG. 138)

PREPARED FOR
ROBERT A. ENGLISH
 HOLLINS MAGISTERIAL DISTRICT
 ROANOKE COUNTY, VIRGINIA

REVISIONS		DATE		DESCRIPTION	
NO.	DATE	1	2	3	4
DATE: April 20, 2005					
SCALE: 1" = 30'					
COMMISSION NO: 2004-269					
SHEET 4 OF 7					