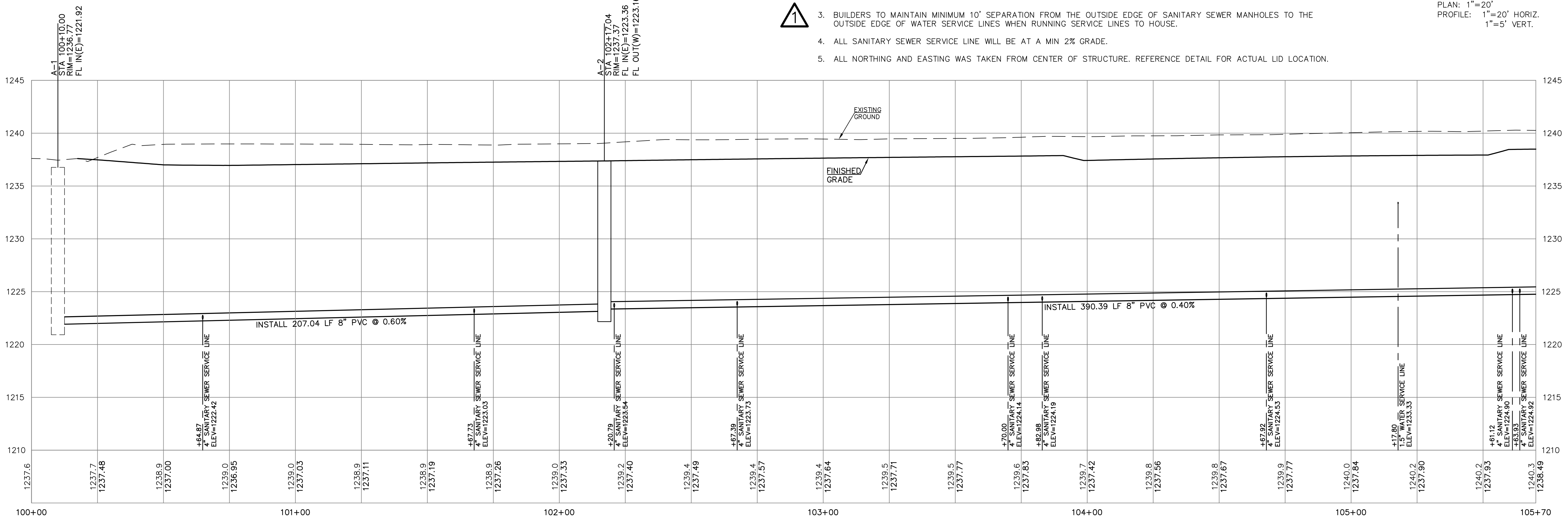


NOTE:
CONTRACTOR TO VERIFY FLOWLINE
OF A-1 PRIOR TO CONSTRUCTION
OF SANITARY SEWER SYSTEM.

- SEPARATION OF WATER MAINS AND SANITARY SEWERS:**
1. A MINIMUM HORIZONTAL DISTANCE OF 10 FEET SHALL BE MAINTAINED BETWEEN WATER (MAINS AND SERVICE) AND SANITARY SEWER (MAINS AND SERVICE) LINES. AT POINT WHERE SEWERS CROSS WATER MAINS, THE SEWER SHALL BE CONSTRUCTED OF CAST IRON, PLASTIC PIPE WITH NON-JOINTED PLASTIC PIPE, OR PIPE ENCASED IN CONCRETE FOR A DISTANCE OF 10 FEET EACH SIDE OF THE CROSSING AS MEASURED FROM THE OUTSIDE DIAMETER OF THE SEWER LINE (EDGE-TO-EDGE), NOT ITS CENTERLINE, UNLESS THE WATER MAIN IS AT LEAST 2 FEET ABOVE THE SEWER.
 2. WHERE A WATER MAIN MUST CROSS A SEWER LINE, MAINTAIN 2 FEET VERTICAL SEPARATION WITH THE WATER MAIN ABOVE THE SEWER.
 3. BUILDERS TO MAINTAIN MINIMUM 10' SEPARATION FROM THE OUTSIDE EDGE OF SANITARY SEWER MANHOLES TO THE OUTSIDE EDGE OF WATER SERVICE LINES WHEN RUNNING SERVICE LINES TO HOUSE.
 4. ALL SANITARY SEWER SERVICE LINE WILL BE AT A MIN 2% GRADE.
 5. ALL NORTHING AND EASTING WAS TAKEN FROM CENTER OF STRUCTURE. REFERENCE DETAIL FOR ACTUAL LID LOCATION.

SCALE:
PLAN: 1"=20'
PROFILE: 1"=20' HORIZ.
1"=5' VERT.



PROJ. NO.	E1802116
DESIGNER	JMO
DRAWN BY	TDA
CFN	2116SPP
SHEET	13
REV	1

STONE LAKE ADDITION - PHASE 2
SHORELINE DRIVE
SALINA, KANSAS 67401

KAW VALLEY ENGINEERING
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JUSTIN M. OWENS
ENGINEER
KS # 20933

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REV	DATE	DESCRIPTION
0	05/31/19	INITIAL ISSUE
1	10/31/19	PER KDHE COMMENTS

JMO	TDA	JMO	JMO
JMO	TDA	JMO	JMO
DSN	DWN	CHK	CHK

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