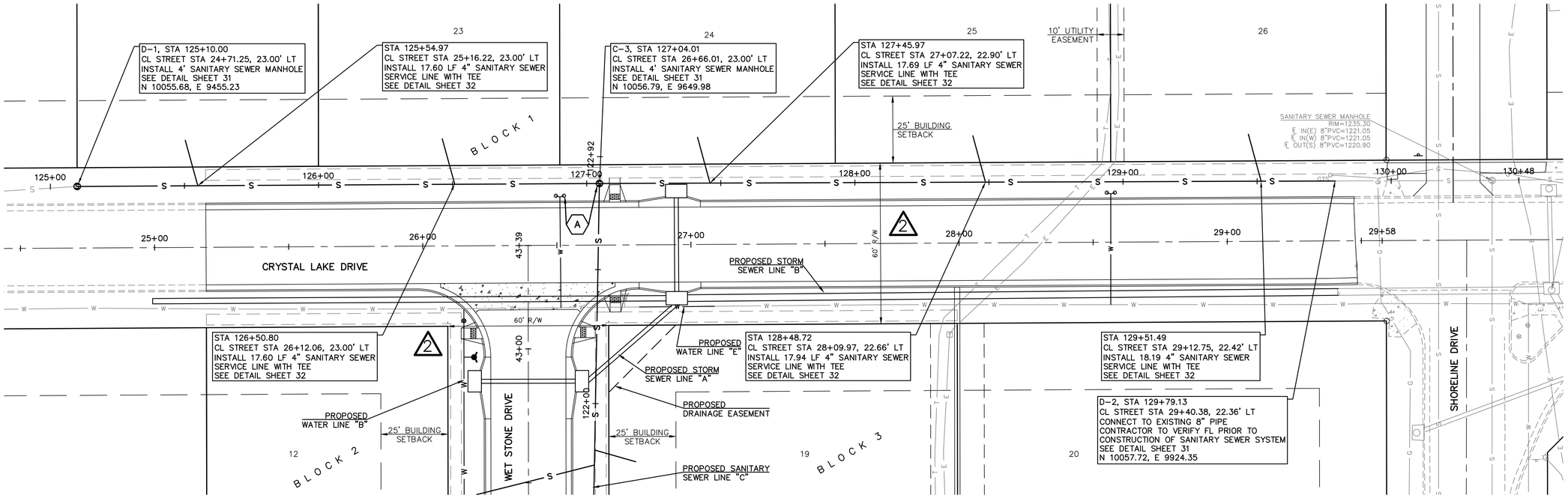
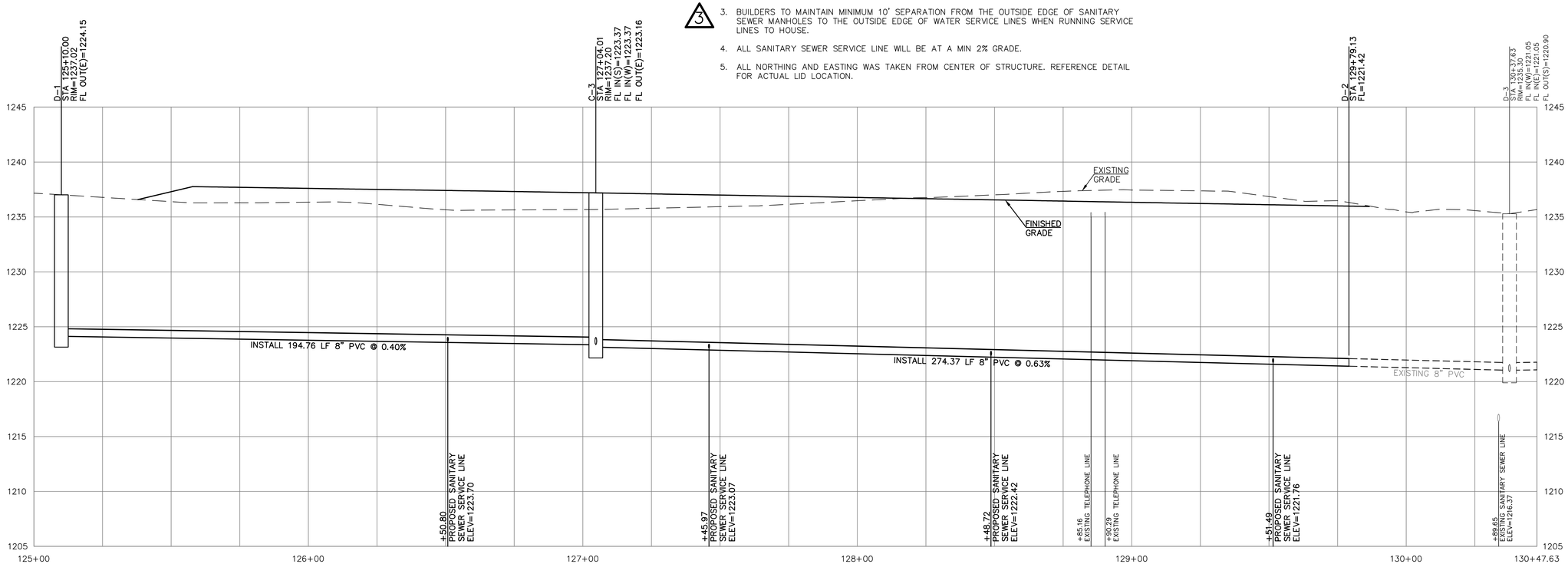


SEPARATION OF WATER MAINS AND SANITARY SEWERS:

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.



REV	DATE	DESCRIPTION	DSN	DWN	CHK
3	01/10/20	REVISED PER KDHE COMMENTS	JMO	TDA	JMO
2	10/28/19	REVISED PER KDHE COMMENTS	JMO	TDA	JMO
1	10/17/19	REVISED	JMO	TDA	JMO
0	10/04/19	INITIAL ISSUE	JMO	TDA	JMO

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20933
1-10-20
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KAW VALLEY ENGINEERING
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EXPIRES 12/31/20

STONE LAKE ADDITION - PHASE 3A
CRYSTAL LAKE DRIVE & WET STONE DRIVE
SALINA, KANSAS 67401

OFFICE CHECK
SANITARY SEWER LINE 'D' - PLAN & PROFILE

PROJ. NO.	E19D2272
DESIGNER	JMO
DRAWN BY	TDA
CFN	2272SPP
SHEET	29
REV	3

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