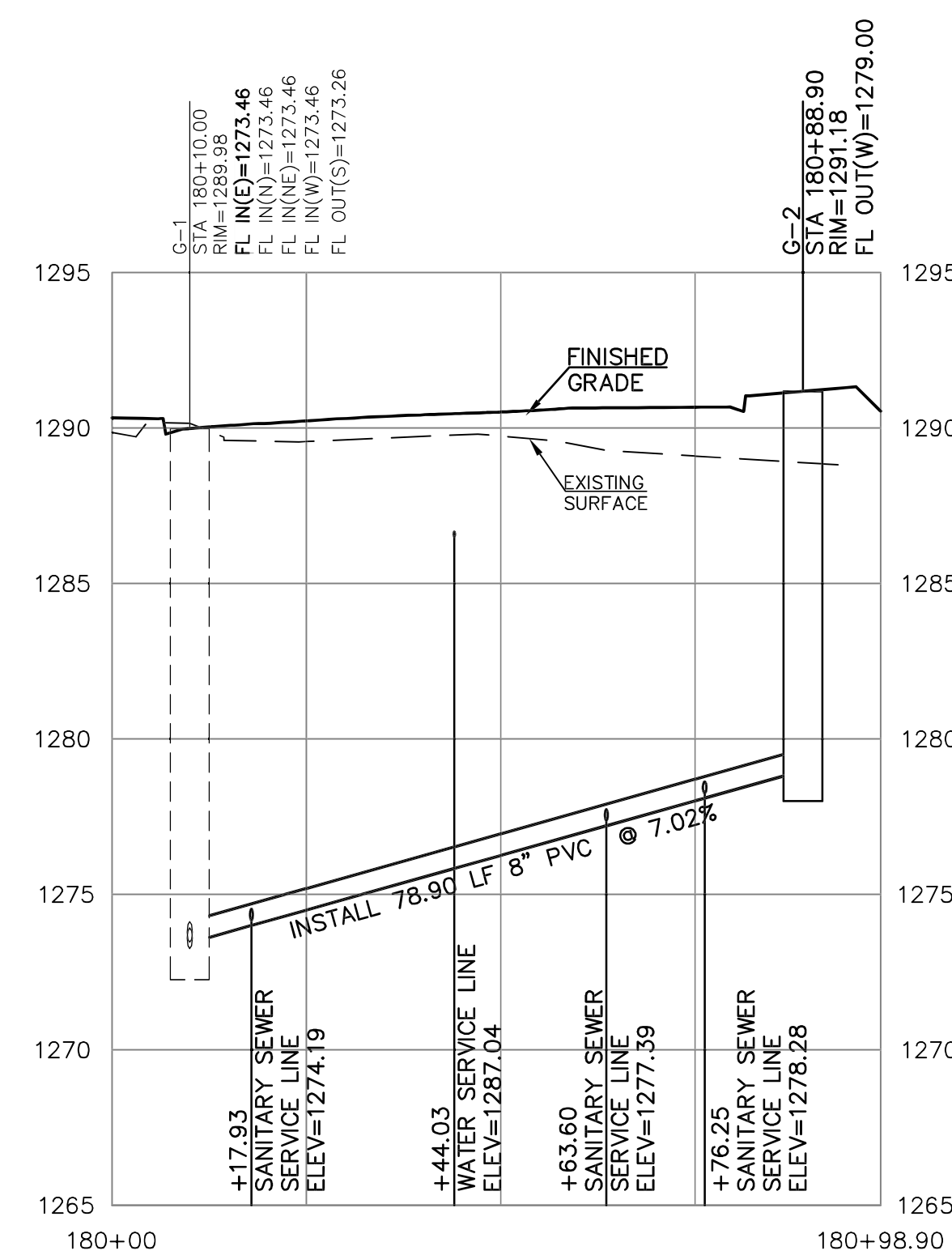


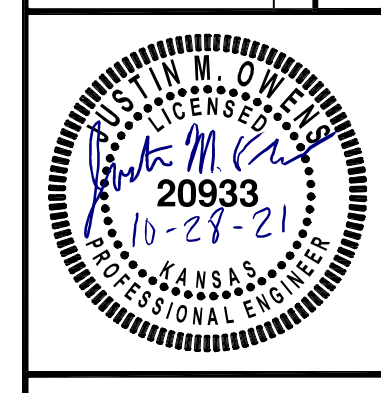
SCALE:  
 PLAN: 1"=20'  
 PROFILE: 1"=20' HORIZ.  
 1"=5' VERT.



- 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.

SANITARY SEWER LINE 'G'

PROJ. NO.	E21D2818	
DESIGNER	JMO	
DRAWN BY	TDA	
CFN	2818SPP	
SHEET	19	
REV	0	
REV	DATE	DESCRIPTION
0	10/28/21	INITIAL ISSUE
		DSN
		DWN
		JMO
		TDA
		JMO
		CHK



JUSTIN M. OWENS  
 ENGINEER  
 KS # 20933

742 DUVAL AVENUE  
 SALINA, KANSAS 67401  
 PH. (785) 820-3411  
 www.kaveg.com

**KAW VALLEY ENGINEERING**

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**MAGNOLIA HILLS ESTATES ADD. NO. 2**  
 HUNTWOOD DRIVE & KASYN LANE  
 SALINA, KANSAS 67401

**PHASE II**  
 SANITARY SEWER LINE 'G' - PLAN & PROFILE