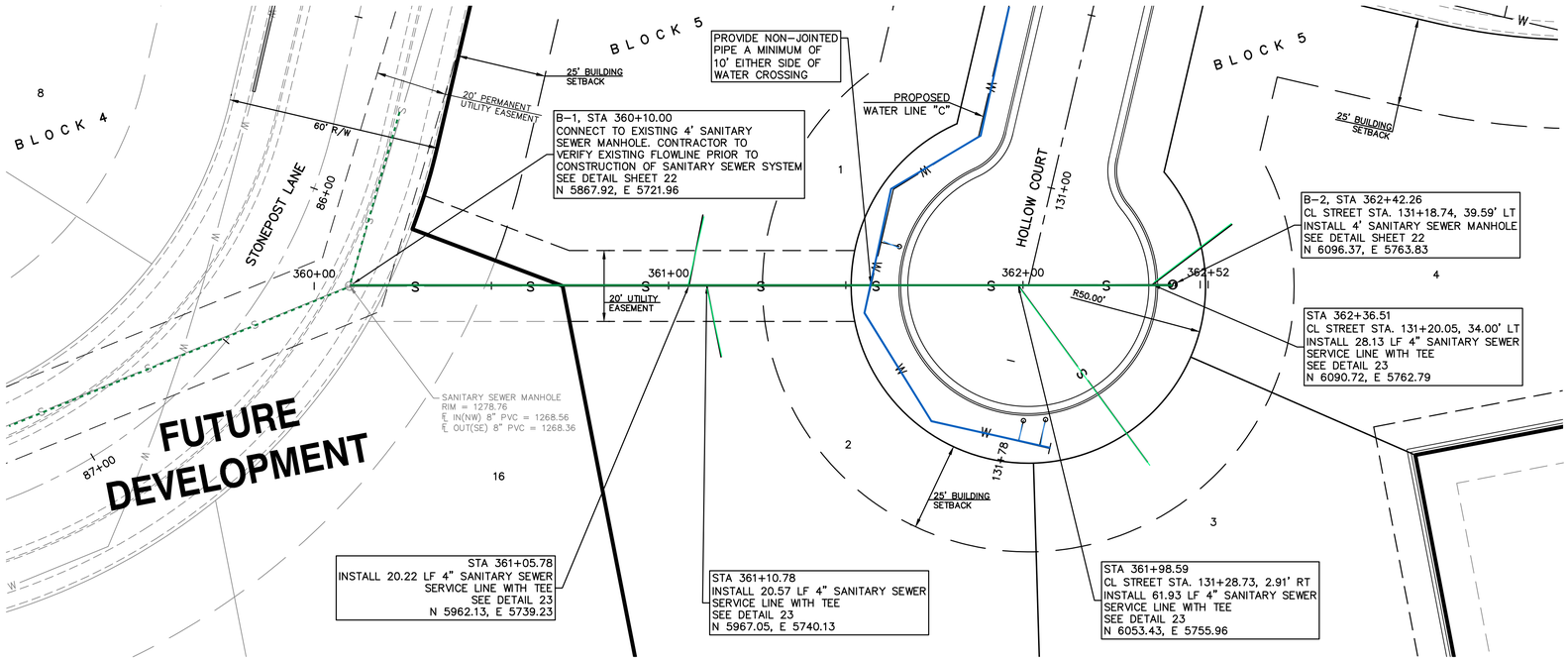


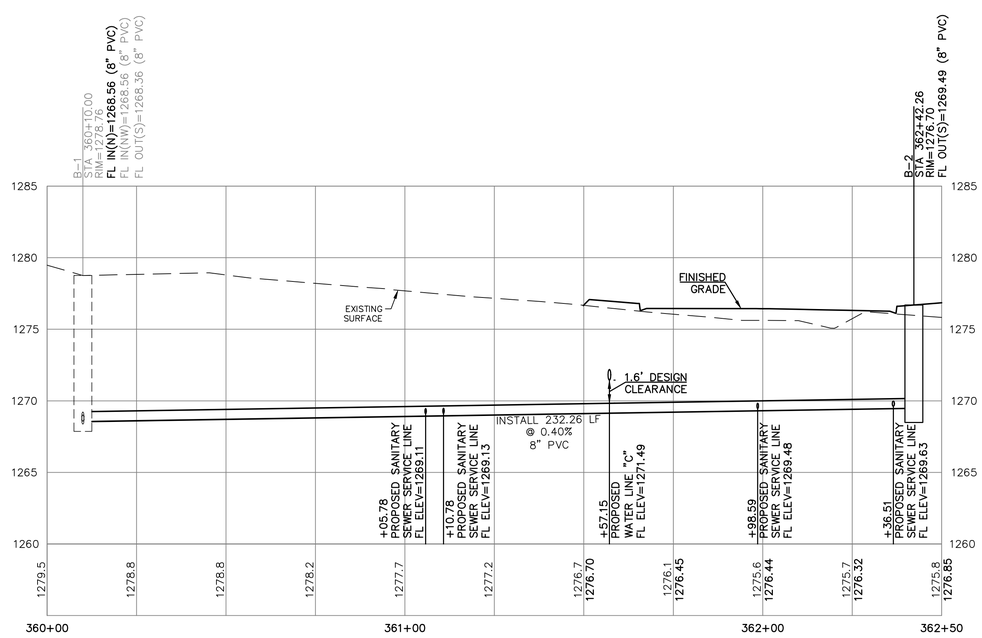


SCALE:
PLAN: 1"=20'
PROFILE: 1"=20' HORIZ.
1"=5' VERT.

## SEPARATION OF WATER MAINS AND SANITARY SEWERS:

1. TWO FEET OF VERTICAL SEPARATION IS REQUIRED WHERE WATER LINES, INCLUDING SERVICE LINES, AND SANITARY SEWER LINES CROSS. WHERE A WATERLINE CROSSES A NEW (EXISTING) FORCE MAIN, THE WATERLINE MUST ALWAYS CROSS OVER THE FORCE MAIN WITH A MINIMUM VERTICAL SEPARATION DISTANCE OF TWO FEET. SEWER JOINTS ARE TO BE LOCATED AS FAR AS POSSIBLE FROM THE INTERSECTED WATER LINE. WHEN POTABLE WATER PIPES AND GRAVITY SANITARY SEWERS ARE LAID PARALLEL TO EACH OTHER, THE HORIZONTAL DISTANCE BETWEEN THEM SHALL NOT BE LESS THAN 10 FT. THE DISTANCE OF SEPARATION SHALL BE MEASURED FROM EDGE TO EDGE. THE LAYING OF WATER PIPES AND SANITARY SEWERS SHALL BE IN SEPARATE TRENCHES WITH UNDISTURBED EARTH BETWEEN THEM. SEPARATION BETWEEN WATER LINES AND SANITARY SEWER MANHOLES IS THE SAME AS THAT FOR SANITARY SEWERS. IN CASES WHERE THE REQUIRED SEPARATION CANNOT BE MAINTAINED, ADDITIONAL PROVISIONS TO PROTECT THE WATER LINE SHOULD BE USED, AS DESCRIBED IN SECTION 501 OF THE CITY OF SALINA'S SPECIFICATIONS.
2. ALL 4" SANITARY SEWER SERVICE LINE WILL BE AT A MIN 2% GRADE.
3. ALL NORTHING AND EASTING WAS TAKEN FROM CENTER OF STRUCTURE. REFERENCE DETAIL FOR ACTUAL LID LOCATION.

| REV | DATE | DESCRIPTION | DSN | DWN | CHK |
|---|---|---|---|---|---|
| 0 | 10/15/25 | INITIAL ISSUE | M.JR | TDA | M.JR |

MATTHEW J. ROWE LICENSED 29241 10/16/25 KANSAS PROFESSIONAL ENGINEER

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# MAGNOLIA HILLS ESTATES ADD. NO. 3
MAGNOLIA ROAD AND HOLMES ROAD
SALINA, KANSAS 67401

PHASE 1
SANITARY SEWER LINE "B" - PLAN & PROFILE

| PROJ. NO. | E23D3481 |
|---|---|
| DESIGNER | DRAWN BY |
| JMO | TDA |
| CFN | 3481SPP |
| SHEET | REV |
| 21 | 0 |

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