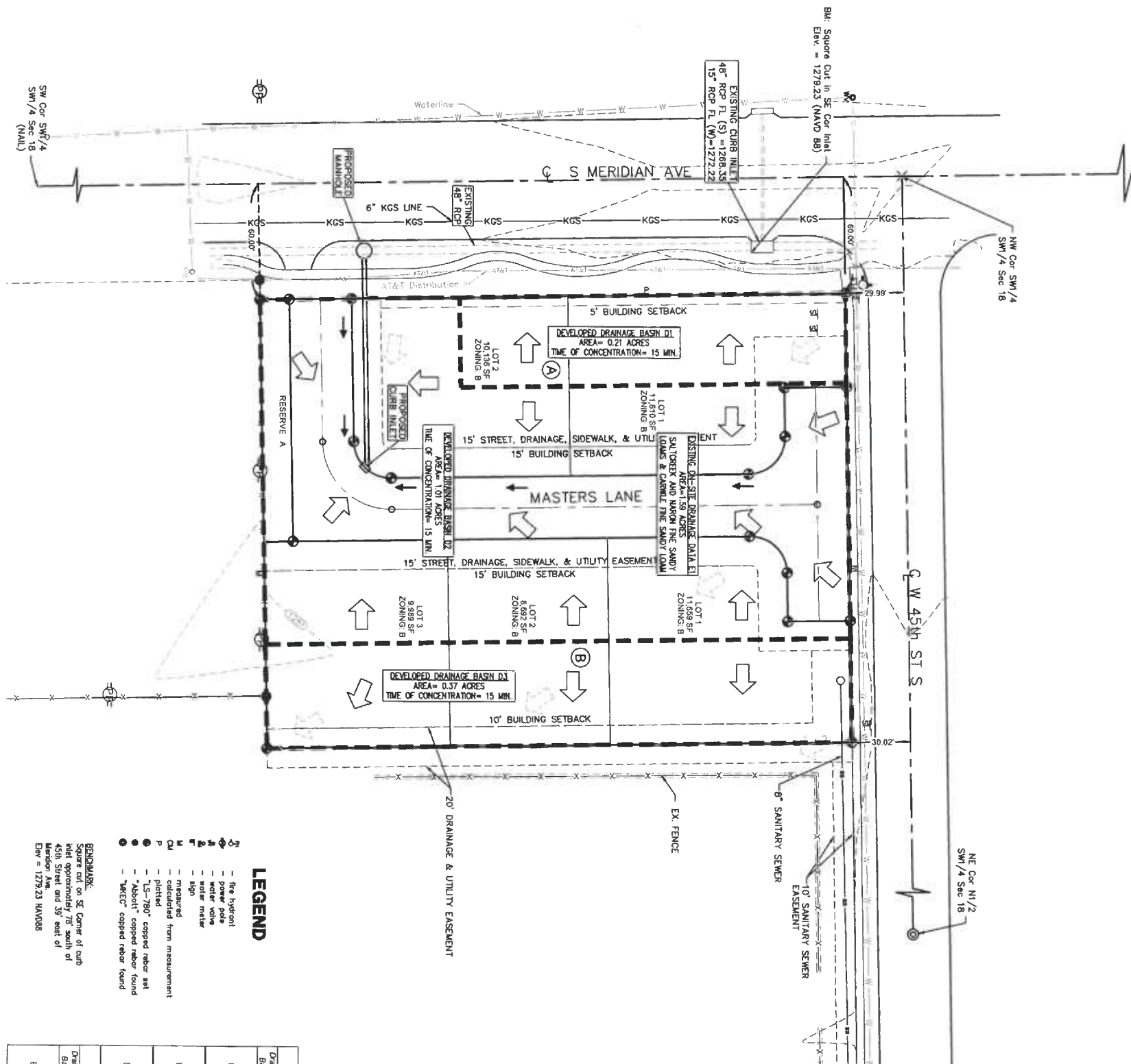
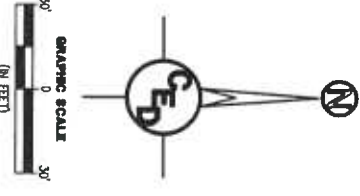
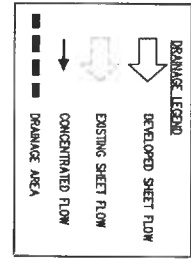


**DRAINAGE PLAN**  
**AMR 2ND ADDITION**  
 A PORTION OF THE SOUTHWEST QUARTER OF SECTION 18, TOWNSHIP  
 28 SOUTH, RANGE 1 EAST OF THE 6TH PRINCIPAL MERIDIAN,  
 WICHITA, SEDGWICK COUNTY, KANSAS



- LEGEND**
- Fire hydrant
  - Power pole
  - Water valve
  - Manhole
  - Sign
  - Measured
  - Calculated from measurement
  - P
  - T.S.—750' capped rubber joint
  - "Abbot" capped rubber joint
  - "Water" capped rubber joint
- BENCHMARK:**  
 Square cut on SE Corner of curb  
 inlet approximately 78' south of  
 45th Street and 39' east of  
 Meridian Ave.  
 Elev = 1279.23 NAVD88



**Developed Drainage Summary Chart - Rational Method**

Drainage Basin	Drainage Area (Acres)	% Impervious	Rational Runoff Coefficient (C)	Time of Concentration (Tc in min)	Intensity (I in in/hr)	Peak Discharge (Qp in cfs)
D1	0.21	92	0.57	15	4.18	0.52
D2	1.01	98	0.61	15	4.18	1.05
D3	0.37	41	0.62	15	4.18	0.63
<b>Total</b>	<b>1.59</b>	<b>0</b>	<b>0.63</b>	<b>15</b>	<b>4.18</b>	<b>2.20</b>



**LEGAL DESCRIPTION:**  
 THAT PART OF LOTS 1, 2, 3 AND 4, BLOCK A, AMR ADDITION, WICHITA, SEDGWICK COUNTY, KANSAS DESCRIBED AS BEGINNING AT THE NORTHWEST CORNER OF SAID LOT 2; THENCE S80°30'00" E ALONG THE WEST LINE OF SAID LOT 2, 300.40 FEET TO THE EAST LINE OF SAID LOT 4; THENCE N68°59'00" E ALONG THE SOUTH LINE OF SAID LOT 4; THENCE S89°59'00" E ALONG THE WEST LINE OF SAID LOT 4; THENCE S89°59'00" E ALONG THE WEST LINE OF SAID LOT 4; THENCE N09°00'00" W 28.62 FEET EAST OF THE SOUTHWEST CORNER OF SAID LOT 4; THENCE N09°00'00" W PARALLEL WITH THE EAST LINE OF SAID LOTS 2, 3, AND 4, 300.18 FEET TO THE NORTH LINE OF SAID LOT 1; THENCE S89°27'21" W ALONG THE NORTH LINE OF SAID LOT 1; AND 4, 230.00 FEET TO THE POINT OF BEGINNING.

GROSS AREA = 65,794.71 SQ. FT., OR 2.199 ACRES MORE OR LESS.  
 NET AREA = 65,080.19 SQ. FT., OR 1.980 ACRES.

- ENGINEERING NOTES:**
- THE RATIONAL METHOD EQUATIONS WERE USED TO COMPUTE THE PEAK DISCHARGES FOR ONE-SITE DRAINAGE.
  - PROPOSED IMPROVEMENTS TO THE EXISTING DRAINAGE SYSTEM ARE NOT REQUIRED FOR THIS DEVELOPMENT SINCE THE DISTURBED AREA IS PROPOSED TO BE APPROXIMATELY 0.81 ACRES FOR THE PROPOSED IMPROVEMENTS. PROPOSED IMPROVEMENTS WERE PROTECTED TO BE UNDER ONE ACRE. ANY CHANGES TO THE RESIDENTIAL IMPROVEMENTS THAT RESULT IN AN INCREASED DISTURBED AREA WILL BE NOTICED BY THE CITY ENGINEER AND WILL REQUIRE AN ADDITIONAL DRAINAGE PLAN.
  - INCORPORATING WATER QUALITY AND QUANTITY CONSIDERATIONS.

Approved  
 C.A.W.  
 3-1-18

**CERTIFIED ENGINEERING DESIGN, P.A.**  
 1335 WEST MAPLE STREET  
 WICHITA, KANSAS 67213  
 PH: (316) 262-8808  
 FAX: (316) 262-1669

**CIVIL DRAWINGS PREPARED BY:**  
 ASAWYER

**OWNERS:**  
 LARRY J. GREIDER II AND KIMBERLY R. GREIDER  
 1601 E. HARRY  
 WICHITA, KANSAS 67211  
 (316) 263-0082

**DATE:**  
 3-1-18

**SCALE:**  
 1"=30'

**NOTES:**  
 BOUNDARY SURVEY  
 COMPLETED BY ARKSTRONG  
 LAND SURVEY, P.A., ON OR  
 ABOUT MARCH 16, 2017.

**PROJECT:**  
 AMR ADDITION, WICHITA, KS

**SHEET:**  
 1 OF 1