
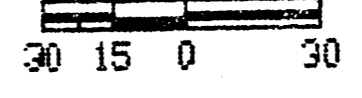


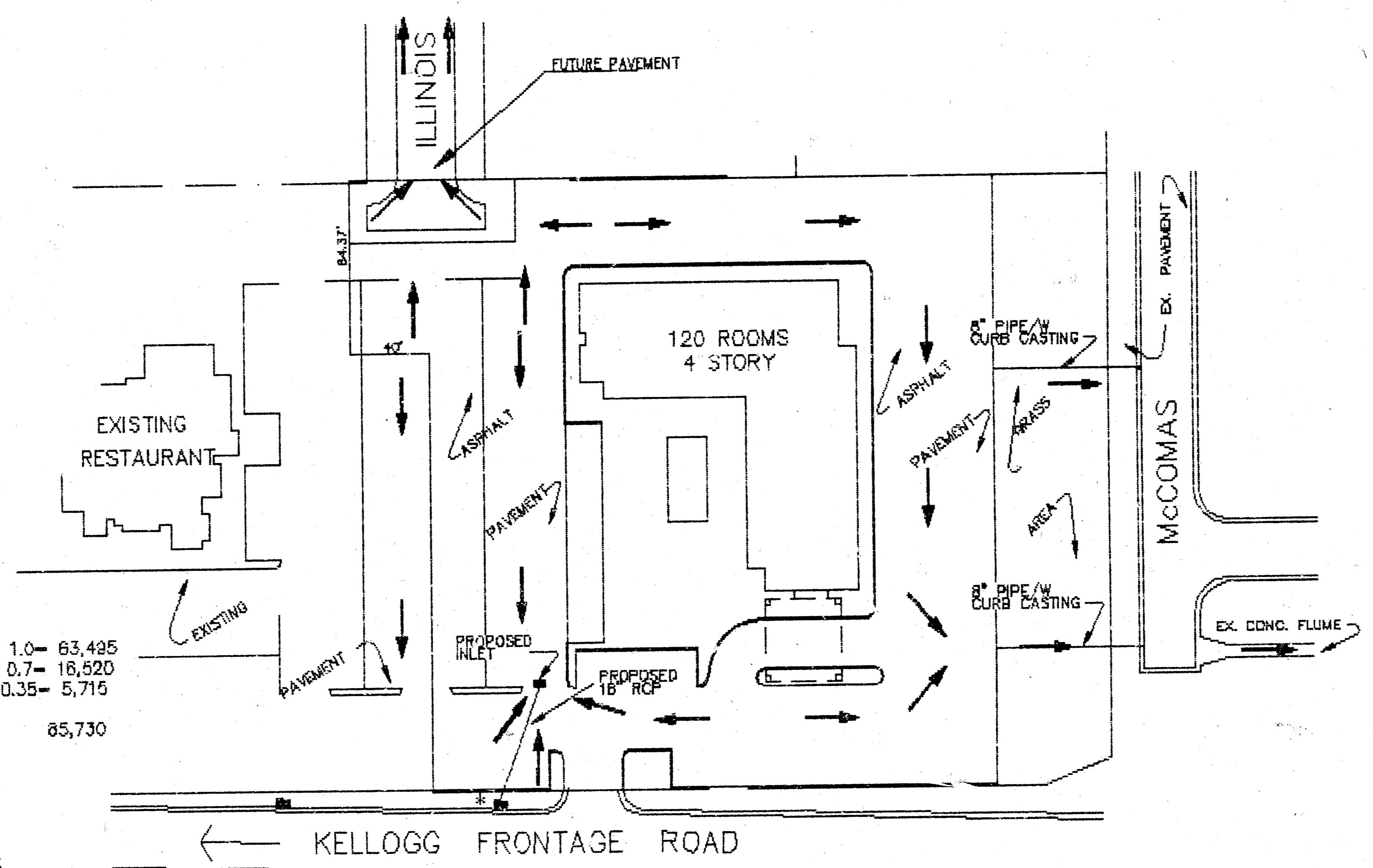


# BONANZA ADDITION DRAINAGE PLAN

-   

-  = DIRECTIONAL FLOW  
(MIN. 0.32% GRADE)
  -  = STORM SEWER INLET
  - \* = ELIMINATE EXIT. FLUME

**COMPOSITE C FACTOR**

BEFORE DEVELOPMENT:		
ROOF & PAVEMENT	63,495 SQ. FT. x 1.0=	63,495
UNPAVED (GRAVEL/W VEGETATION)	23,600 SQ. FT. x 0.7=	16,520
GRASS	16,325 SQ. FT. x 0.35=	5,715
<b>TOTAL</b>	<b>103,420</b>	<b>85,730</b>
$85,730 / 103,420 = 0.83$		
AFTER DEVELOPMENT:		
ROOF & PAVEMENT	78,720 SQ. FT. x 1.0=	78,720
GRASS	24,700 SQ. FT. x 0.35=	8,645
<b>TOTAL</b>	<b>103,420</b>	<b>85,730</b>
$87,365 / 103,420 = 0.84$		



REV. 2 12/16/44	RAP	LUDWIG SPECIFIC DRAINAGE
BONANZA, INC. WICHITA, KANSAS		
DRAINAGE PLAN BONANZA, ADDITION WICHITA, KANSAS		
W. H. GASTE & ASSOCIATES	5323 - D - 50,000	SHEET NO 1 OF 1