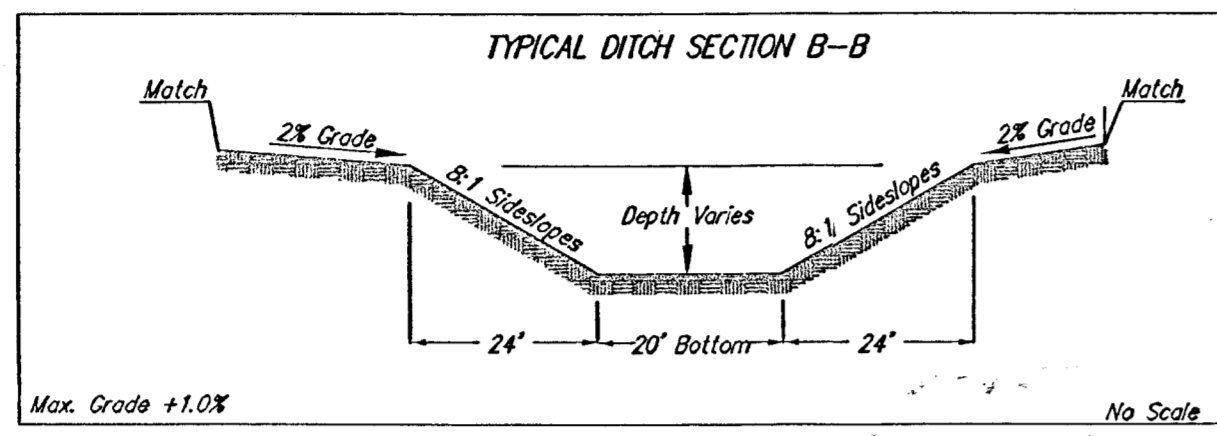
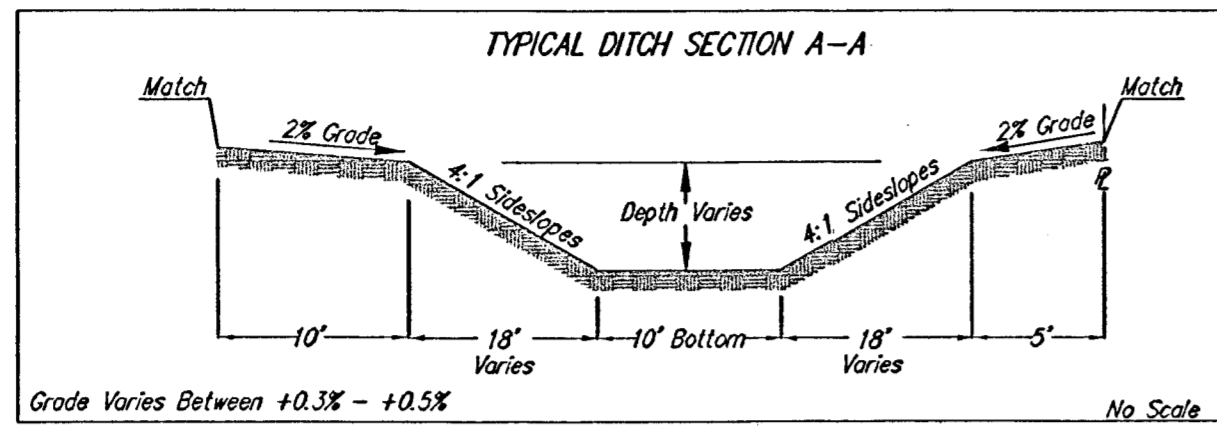


DRAINAGE PLAN

NORTHEAST MIDDLE SCHOOL ADDITION

WICHITA, SEDGWICK COUNTY, KANSAS



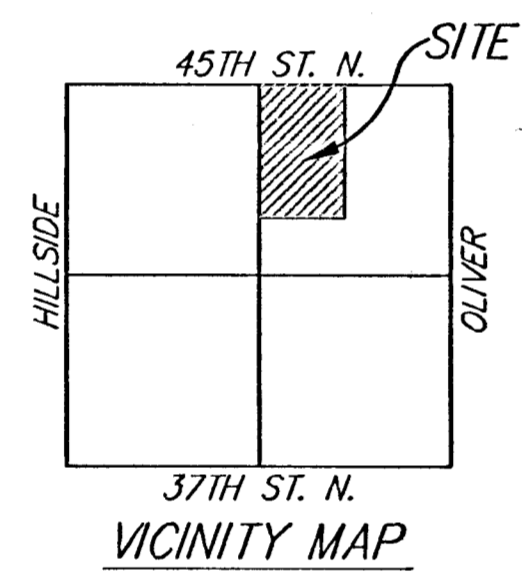
Basin Lot	Area acres	Tc min.	Runoff Coefficient			Peak Flowrate		
			2"-yr	5"-yr	100"-yr	2"-yr	5"-yr	100"-yr
1	3.4	15	0.39	0.41	0.57	5.1	6.4	7.4
2	2.5	15	0.87	0.88	0.90	0.8	1.0	1.7
3	1.8	15	0.87	0.87	0.89	6.0	7.1	12
4	.80	15	0.84	0.85	0.91	2.6	3.1	5.4
5	38.4	15	0.49	0.51	0.66	74	92	192
6	3.3	15	0.19	0.41	0.52	7.3	9.3	22
7	1.9	15	0.87	0.88	0.90	6.3	7.6	13

DRAINAGE NOTES:

- The Existing Soil Type per Soil Survey of Sedgwick County, Kansas is Tabler Silty Clay Loam, Farum Loam, Blanket Silty Loam, Rosehill Silty Clay, and Milan Loam. The Hydrologic Group for Each Soil Type is in their Respective Order is D, B, C, & B.
- A Portion of This Parcel of Land is Located in a ZONE A Per FEMA Flood Map. (Community Panel Number: 200321 01504) Effective Date: June 3, 1986.
- An Off-site Drainage Agreement with Land Owner West of Plot Shall be Obtained.

MINIMUM BUILDING PAD ELEVATIONS FOR LOWEST OPENING TO THE STRUCTURES

LOTS	BLOCK	ELEVATION CITY DATUM
1	A	189.0



Off-site Drainage, NW of SW Property Cor.
 D.A. = 34.2 ac
 Tc = 20 min.
 Cv = 80
 Q₂ = 29 cfs
 Q₅ = 44 cfs
 Q₁₀₀ = 52 cfs

Existing Conditions
 D.A. = 449 ac
 Tc = 265 min.
 Cv = 435
 Q₂ = 347 cfs
 Q₅ = 262 cfs
 Q₁₀₀ = 432 cfs

- P = Pine Tree
- △ PM = Pipeline Marker
- PPM = Flower Pole
- Sgn = Sign
- TP = Telephone Pole
- = Deciduous Tree

DATE OF PREPARATION: 20 NOV 2001
 DATE OF TOPOGRAPHY: 16 NOV 2001
 CONTOUR INTERVALS = 1 FOOT

• #4 REBAR W/ "BAUGHMAN" CAP (SET)

BENCHMARK:
 TOP OF IRON AT NW 1/4 COR., SEC. 26,
 TWP. 26-S, R-1-E
 ELEV. = 190.83 CITY DATUM

