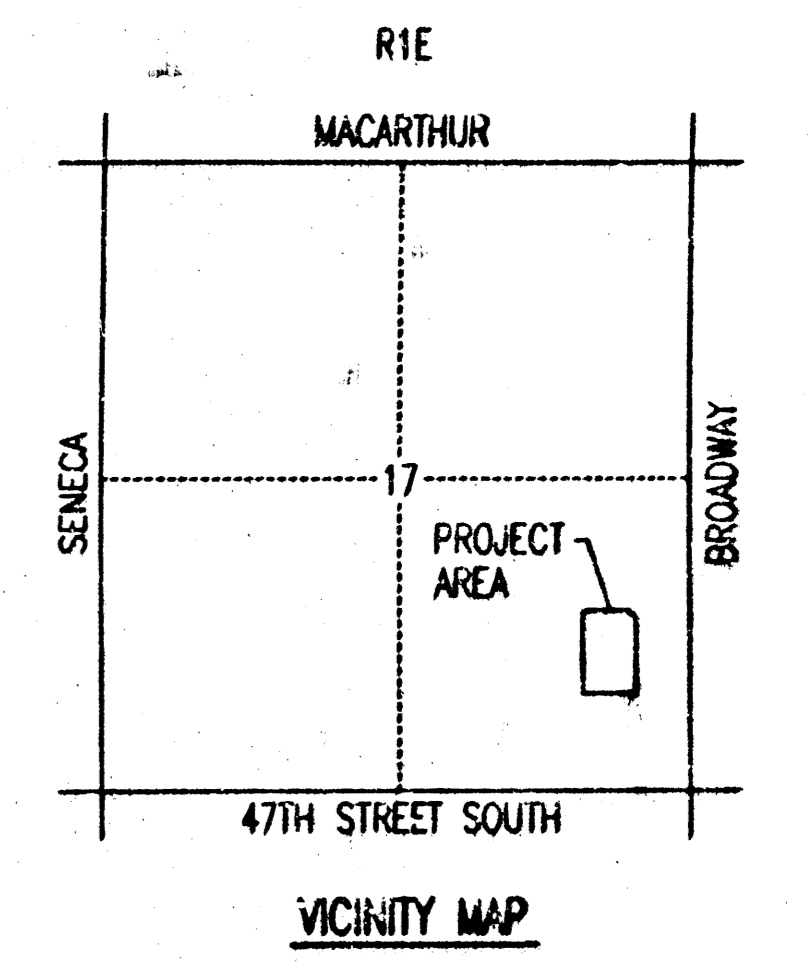


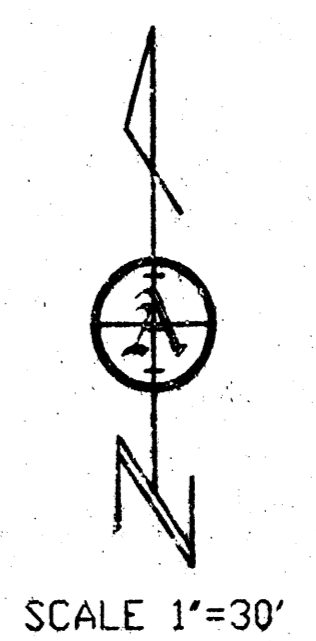
- LEGEND**
- BASIN IDENTIFIER
 - BASIN BOUNDARY
 - MAJOR STORM WATER OVERFLOW (Q100)
 - MINOR STORM WATER FLOW (Q2)
 - STORM SEWER
 - SPOT ELEVATION
 - HIGH POINT ELEVATION
 - MATCH EXISTING ELEVATION
 - FLOWLINE ELEVATION
 - FEMA 100-YEAR FLOODPLAIN LIMITS
 - EXISTING CONTOUR
 - PROPOSED CONTOUR



FEMA B.F.E. = 1274.0 M.S.L.

Elev.	Area(Ac)	Volume(Ac-ft)
1270.14	0	0.039
1271.0	0.09	0.38
1272.0	0.67	1.31
1273.0	1.95	

Survey by: Armstrong Land Surveyors, P.A.



- LEGEND**
- set 5/8" rebar & Armstrong cap
 - SRB capped rebar found
 - PEC capped rebar found
 - found 3/4" iron pipe
 - found 1/2" iron pipe
 - found chiseled in concrete
 - measured distance
 - plat distance
 - calculated from measured distance
 - property line
 - center line
 - easement line
 - setback line
 - underground utility
 - wooden fence
 - chainlink fence
 - cable TV riser
 - telephone riser
 - fire hydrant
 - elec. transformer
 - air conditioner
 - power pole
 - manhole
 - light pole
 - gas meter
 - gas valve
 - water meter
 - water valve
 - coniferous tree
 - deciduous tree

HYDROLOGY

BASIN	AREA	Q ₁₀₀ (Developed)	Q ₁₀₀ (Existing)	Q ₁₀₀ (100-yr)
A	4.6 Ac.	28.6 cfs	16.9 cfs	11.1 cfs
B	0.8 Ac.	5.0 cfs	3.8 cfs	5.0 cfs
Total		33.6 cfs	20.7 cfs	16.1 cfs

Outlet pipe = 23" x 14" RCPE to existing SWS along Broadway.
HW = 1272.4 M.S.L.

MINIMUM OPENING = 1275.2 M.S.L.

See Supporting Calculations for hydrology calculations and detention area design.

PANDY MOTORS ADDITION

DRAINAGE PLAN

Professional Engineering Consultants, P.A.
303 S. TOPEKA • WICHITA, KANSAS 67202
316-262-2691 • FAX 316-262-3403

Designed by: KER	Checked by:
Drawn by: KER	Date: MAY 2001
	Job No. 00273

DSHS, S.D. OPER. SCALE: 1"=30.00
 © 2000, 002731 Proj. (City Drainage) 05-15-2001 01:22:51 pm