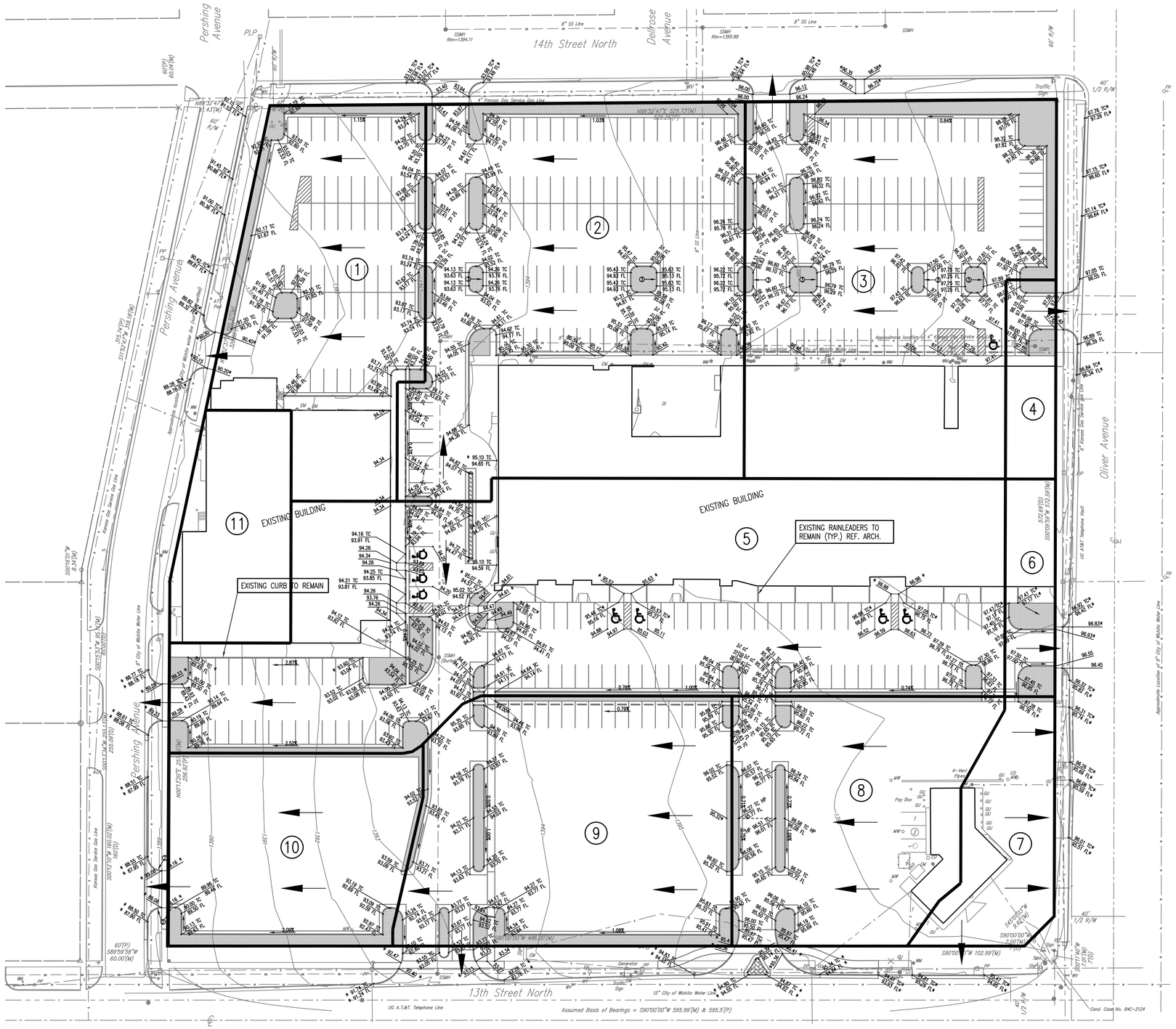

* CONTRACTOR TO VERIFY ELEVATIONS PRIOR TO CONSTRUCTION

SITE BENCHMARK

"V" CHISELED ON CONC. NE PROP. COR.

ELEVATION 1397.90 (NGVD 29)

LEGEND

- EXISTING SPOT ELEVATION
- EXISTING CONTOUR
- SPOT ELEVATION
- HP HIGH POINT ELEVATION
- MATCH MATCH EXISTING ELEVATION
- TC TOP OF CURB ELEVATION
- FL FLOWLINE ELEVATION
- 6" TRANSITION TO NO HEIGHT CURB
- PROVIDE HIGHPOINT TO SPLIT DRAINAGE AROUND ISLAND
- DRAINAGE FLOW ARROWS
- PROPOSED PERVIOUS AREA
- RUNOFF DIRECTION
- BASIN BOUNDARY

NOTES

1. ADA ACCESSIBLE ROUTES SHALL NOT EXCEED 2% MAXIMUM LONGITUDINAL SLOPE ON SIDEWALKS IS 5%. 2% MAXIMUM CROSS SLOPES ON SIDEWALKS.
2. THE PROPOSED GRADES SHOWN ARE BASED ON A SURVEY DONE BY OTHERS. CONTRACTOR SHALL VERIFY ELEVATIONS IN THE FIELD TO ACHIEVE POSITIVE DRAINAGE FROM STRUCTURES AND PREVENT PONDING IN THE PARKING LOT. CONTACT THE ENGINEER IF THERE ARE DISCREPANCIES IN THE PLANS AND FIELD CONDITIONS.
3. REMOVE COMPACTION MATERIAL FROM INSIDE ISLANDS IN ASPHALT PARKING. REPLACE WITH TOPSOIL (3" MIN. DEPTH).
4. ADD 1.300 TO ALL SPOT ELEVATIONS ON THIS SHEET.

SURFACE AREAS			DRIVEWAY 100 YR. FLOW
BASIN	IMPERVIOUS	PERVIOUS	CFS
1	27,736.78	2,286.02	5.26
2	52,826.08	3,734.39	9.95
3	44,552.98	4,350.90	8.54
4	4,016.40	505.07	0.78
5	74,408.58	4,077.95	13.86
6	3,925.48	1,016.67	0.83
7	10,125.17	84.55	1.83
8	24,322.24	1,781.38	4.59
9	31,984.70	3,636.47	6.20
10	19,071.55	2,150.62	3.69
11	11,471.85	0	2.06

TOTAL SURFACE AREAS

EXISTING IMPERVIOUS = 334,536.40 S.F.
EXISTING PERVIOUS = 0 S.F.

PROPOSED IMPERVIOUS = 304,478.36 S.F.
PROPOSED PERVIOUS = 23,633.15 S.F.

"PEAK RUNOFF FROM THE 2, 5, 10, 25, AND 100 YEAR STORMS IS REDUCED IN THE POST DEVELOPMENT CONDITION."

No.	Revision	By	Date

GRADING AND DRAINAGE PLAN
PROVIDENCE SQUARE ADDITION
WICHITA, KANSAS

Professional Engineering Consultants, P.A.
303 S. TOPEKA • WICHITA, KANSAS 67202
316-262-2691 • FAX 316-262-3003

Designed by	IDK	Job No.	36-08711-6554
Drawn by	AEE	Date	JANUARY 2009

C1.4

Saved 04-07-2009 10:32:48 AM by AEE
Plot Scale 1:30 04-07-2009 10:33:13 AM by AEE
Q:\2008\08711\001-Grading And Drainage Plan