

EXISTING DRAINAGE AREA MAP
 THE TOPOGRAPHIC INFORMATION FOR THE OFF-SITE DRAINAGE AREA MAP WAS OBTAINED FROM THE NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS WEBSITE WWW.DFWINFO.COM.

| EXISTING DRAINAGE CALCULATIONS | | | | | | |
|--------------------------------|------------|------|----------|-----------------|---------------|--------------------------|
| DRAINAGE AREA | AREA ACRES | "c" | Tc (min) | "I-100" (in/hr) | "Q-100" (cfs) | COMMENTS |
| E1 | 2.55 | 0.90 | 10 | 8.74 | 20.06 | TO ON-SITE GRATE INLET |
| E2 | 0.12 | 0.90 | 10 | 8.74 | 0.94 | TO OFF-SITE GRATE INLET |
| E3 | 1.05 | 0.90 | 10 | 8.74 | 8.26 | TO OFF-SITE GRATE INLET |
| E4 | 1.09 | 0.90 | 10 | 8.74 | 8.57 | TO OFF-SITE CULVERT EAST |
| E5 | 0.55 | 0.90 | 10 | 8.74 | 4.33 | TO OFF-SITE CULVERT EAST |
| E6 | 0.19 | 0.90 | 10 | 8.74 | 1.49 | TO OFF-SITE EAST |
| TOTAL | 5.55 | | | | 43.66 | |

LEGEND

DRAINAGE AREA NUMBER
 Q100 PROPOSED

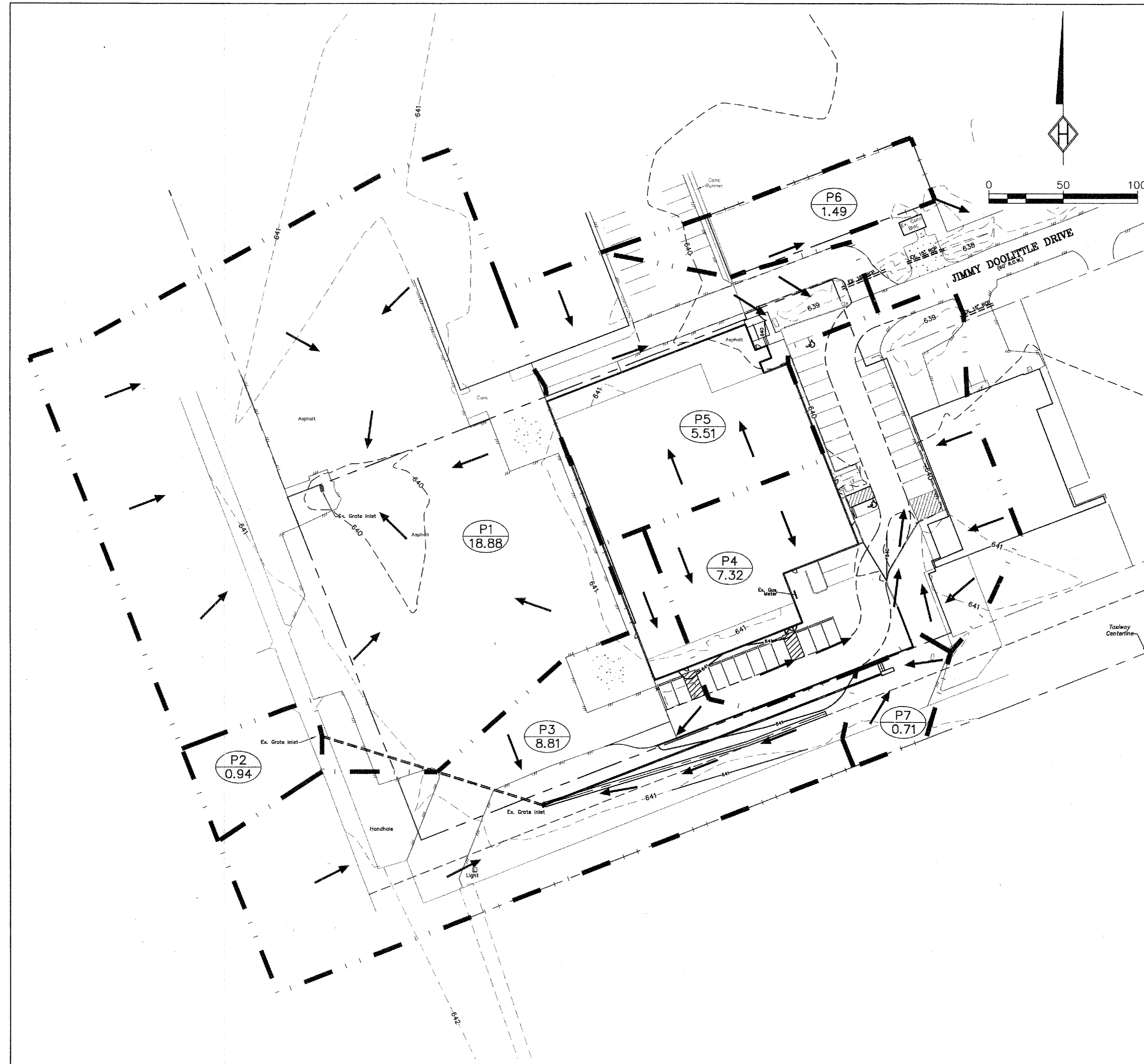
DRAINAGE AREA LIMITS

EXISTING CONTOURS

PROPOSED CONTOURS

DIRECTION OF STORMWATER FLOW

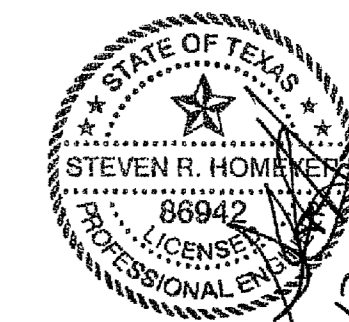
BENCHMARK INFORMATION:
 BM - SET SQUARE CUT ON THE NORTHEAST CORNER OF THE EXISTING GRATE INLET.
 ELEVATION = 640.00



PROPOSED DRAINAGE AREA MAP

| PROPOSED DRAINAGE CALCULATIONS | | | | | | |
|--------------------------------|------------|------|----------|-----------------|---------------|--------------------------|
| DRAINAGE AREA | AREA ACRES | "c" | Tc (min) | "I-100" (in/hr) | "Q-100" (cfs) | COMMENTS |
| P1 | 2.40 | 0.90 | 10 | 8.74 | 18.88 | TO ON-SITE GRATE INLET |
| P2 | 0.12 | 0.90 | 10 | 8.74 | 0.94 | TO OFF-SITE GRATE INLET |
| P3 | 1.12 | 0.90 | 10 | 8.74 | 8.81 | TO OFF-SITE GRATE INLET |
| P4 | 0.93 | 0.90 | 10 | 8.74 | 7.32 | TO OFF-SITE CULVERT EAST |
| P5 | 0.70 | 0.90 | 10 | 8.74 | 5.51 | TO OFF-SITE CULVERT EAST |
| P6 | 0.19 | 0.90 | 10 | 8.74 | 1.49 | TO OFF-SITE EAST |
| P7** | 0.09 | 0.90 | 10 | 8.74 | 0.71 | TO PROPOSED GRATE INLET |
| TOTAL | 5.55 | | | | 43.66 | |

** POSITIVE OVER-FLOW FROM AREA P7 WILL DRAIN TO AREA P4 IN THE EVENT THAT THE PROPOSED GRATE INLET IS BLOCKED OR SURCHARGES.



DRAWN: HEI
 DATE: 12/18/08
 HEI #: 08-152
 SHEET NO: C6

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TURBINE AIR EXPANSION
 ADDISON AIRPORT, BLDG. A-5
 2.404 ACRES, ZONED - I-3
 4550 JIMMY DOOLITTLE DRIVE
 TOWN OF ADDISON
 DALLAS COUNTY, TEXAS

DRAINAGE AREA
 MAP