

**DRAINAGE INFORMATION**

Q = CIA  
I = 11.6 In./Hr.  
C = 0.95

**ON-SITE**  
AREA = 0.58 ac.  
Q = (0.95)(11.6)(0.58) = 6.4 cfs

**OFF-SITE**  
AREA = 0.7 ac.  
Q = (0.95)(11.6)(0.7) = 7.7 cfs

**TOTAL IN 10' INLET = 14 cfs**

**ROOF DRAIN**  
AREA = 0.60 ac.  
Q = (1.0)(11.6)(0.60) = 7.0 cfs

- Grading Notes**
- Prior to placing any fill material, all existing surfaces, vegetation, loose fill, and debris should be removed to a minimum depth of 6". All exposed surfaces should then be scarified, watered as required, and recompacted to a minimum density of 95% of the maximum dry density as defined by ASTM D-698 (Standard Proctor Test) at a moisture content between the optimum moisture value and five (5) percent above optimum.
  - Fill materials should be placed in 6" to 8" loose lifts at a moisture content between optimum and 5% above optimum (within 3% of optimum for "select fill" and exposed limestone) and each lift compacted to between 95% and 105% of the maximum dry density as defined in ASTM D-698. Each lift should be inspected and approved by a geotechnical engineer.
  - "Select fill" for building should consist of clayey sands free of organic materials having a plasticity index of between 4 and 12. Placement and compaction of the select fill should be performed in accordance with General Note #s 1 and 2.
  - Drainage should be maintained away from the foundations, both during and after construction.
  - Backfill for utility lines should be carefully placed so that they will be stable. Where utility lines pass through the parking lot, the top 6" should be compacted similarly to the remainder of the lot. Utility ditches should be visually inspected during the excavation process to ensure that undesirable fill that was not detected by the test borings is not used. Compaction should conform to note #3.
  - Contractor to verify exact location of all utilities prior to construction. All public utilities and appurtenances are to be protected during construction.

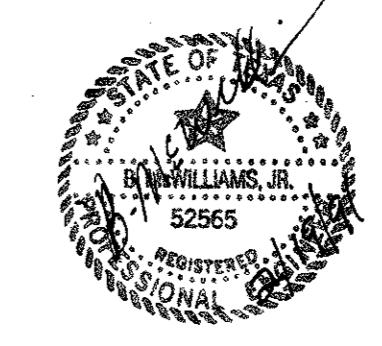
**LEGEND**

---611--- EXISTING CONTOUR

**42** PROPOSED CONTOUR

643.21TC EXISTING SPOT ELEVATION

**41.20G** PROPOSED SPOT ELEVATION



**GRADING & DRAINAGE PLAN**  
**OFFICE DEPOT/CONTAINER STORE**  
**ADDISON, TEXAS**

**BROCKETTE DAVIS DRAKE, inc.**  
**consulting engineers**  
Civil & Structural Engineering, Surveying  
3535 Travis, Suite 100 • Dallas, Texas 75204 • (214) 522-9540

design	drawn	date	scale	notes	job no.	sheet no.
J.A.R.	BJS	2-7-91	1"=30'	E.H.	C90302	<b>C1</b>

Δ = 84°12'36"  
R = 55.00'  
T = 49.71'  
L = 80.84'

**BENCH MARKS:**  
SQUARE CUT ON NORTHEAST CORNER OF CONCRETE VAULT IN THE NORTHEAST CORNER OF THE INTERSECTION OF BELT LINE RD. AND ADDISON RD.  
ELEV. 634.20

SQUARE CUT ON 10' INLET WEST SIDE OF QUORUM DR. LOCATED A DISTANCE OF 340' +/- NORTH OF THE NORTH LINE OF BELT LINE RD.  
ELEV. 641.53