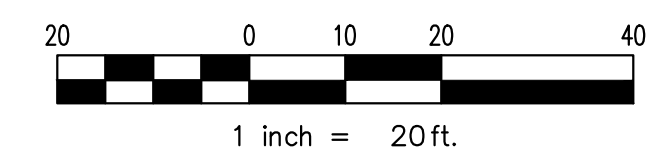


Date	Revisions



Total 11.47 cfs allowed to Ex. 18" RCP Per Freese & Nichols Plans, dated May 7th, 2000.

Lot 1, Block A
DALLAS GYMNASIUMS CENTER
Vol. 086273, Pg. 26 DRBDCT

Air Born, Inc.
Remainder of 18.256 Ac.
Vol. 09216, Pg. 1560 DRDCT

LEGEND

- Q = C I A
- C = 0.9 (Developed)
- C = 0.25 (Undeveloped)
- I₁₀₀ = 9.27 (Developed)
- I₁₀₀ = 7.99 (Undeveloped)
- tc = 10 min. (Developed)
- tc = 15 min. (Undeveloped)
- A ← Drainage Area Number
- (X.XX) ← Acres
- (XX.X) ← Q₁₀₀ (cfs)

— Drainage Divide Line
① Inlet Number

BENCHMARKS:

- "X" cut found in concrete ramp at southeast corner of the intersection of Westgrove and Sojourn. Elev.=661.09'
- "X" cut found for southwest property corner. Elev.=661.15'

Notes:

- No portion of site lies within floodplain.
- Offsite drainage areas prepared by Freese & Nichols for Sojourn Office Center, dated May 7th, 2000 (Sh. 3a).
- Since total flow (Developed & Undeveloped) is less than the allowable 11.47 cfs, no onsite detention will be required at this time.
- Detention for undeveloped portion of lot shall be provided at time of development per Town of Addison Standards.

INLET DESIGN CALCULATIONS

INLET No.	Location	Design Storm Frequency (yr.)	AREA RUNOFF Q = CIA						Carry-Over From Upstream Inlet (c.f.s.)	Total Gutter Flow (c.f.s.)	Gutter Capacity (c.f.s.)	Gutter Slope (ft./100ft.)	Crown Type	SELECTED INLET		Carry-Over To Downstream Inlet (c.f.s.)	Inlet Capacity (c.f.s.)
			Time of Conc. (min.)	Intensity (in./hr.)	Runoff Coeff. "C"	Area (ac.)	"q" (c.f.s./ac.)	Length "L" (Feet)						Type			
1	A	100	10	9.27	0.9	0.19	1.5	—	1.6	—	—	Sag	—	CB-24	—	4.7	
2	G	100	10	9.27	0.9	0.07	0.6	—	0.6	—	—	Sag	—	CB-24	—	5.1	

Drainage Area No.	Drainage Area (Acres)	C	tc (Min.)	I100 (in./hr.)	Q100 (cfs)	Comments
A	0.22	0.90	10	9.27	1.9	TO PROP. CB-20
B	0.19	0.90	10	9.27	1.6	TO PROP. CB-24 #1
C	0.10	0.90	10	9.27	0.8	TO PROP. CB-20
D	0.33	0.90	10	9.27	2.7	TO PROP. BLDG ROOFDRAINS
E	0.12	0.90	10	9.27	1.0	TO PROP. CB-24
F	0.04	0.90	10	9.27	0.3	SHEET FLOW TO EAST
G	0.07	0.90	10	9.27	0.6	TO PROP. CB-24 #2
H	0.05	0.90	10	9.27	0.4	SHEET FLOW TO SOJOURN DRIVE
I	0.13	0.90	10	9.27	1.1	SHEET FLOW TO EAST
* J	0.20	0.25	10	9.27	0.5	SHEET FLOW TO EAST
* K	0.58	0.25	10	9.27	1.3	SHEET FLOW TO EAST

* Undeveloped Flow

RECORD DRAWINGS

NOTE:
THESE PLANS HAVE BEEN REVISED TO CONFORM WITH CONSTRUCTION RECORDS PROVIDED BY THE CONTRACTOR.

CAUTION !!!
EXISTING UTILITIES

EXISTING UTILITIES AND UNDERGROUND FACILITIES INDICATED ON THESE PLANS HAVE BEEN LOCATED FROM REFERENCE INFORMATION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY BOTH HORIZONTALLY AND VERTICALLY THE LOCATION OF ALL EXISTING UTILITIES AND UNDERGROUND FACILITIES PRIOR TO CONSTRUCTION, TO TAKE NECESSARY PRECAUTIONS IN ORDER TO PROTECT ALL FACILITIES ENCOUNTERED. THE CONTRACTOR SHALL PRESERVE AND PROTECT ALL EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION.

CALL 1-800-344-8377 (DIG-TESS) OR OTHER UTILITY LOCATION SERVICES 48 HOURS PRIOR TO CONSTRUCTION ACTIVITY. SPAIARS ENGINEERING, INC. IS NOT RESPONSIBLE FOR KNOWING ALL EXISTING UTILITIES OR DEPICTING EXACT LOCATIONS OF UTILITIES ON DRAWINGS.

Drawing: C:\2016\0805\0805\0805 Sojourn\0805 Drainage Area Map.dwg Saved By: Borneff, Dave Date: 1/25/2016 12:32:52 PM
 Plotted by: Borneff, Dave Date: 4/4/2016 8:48 AM