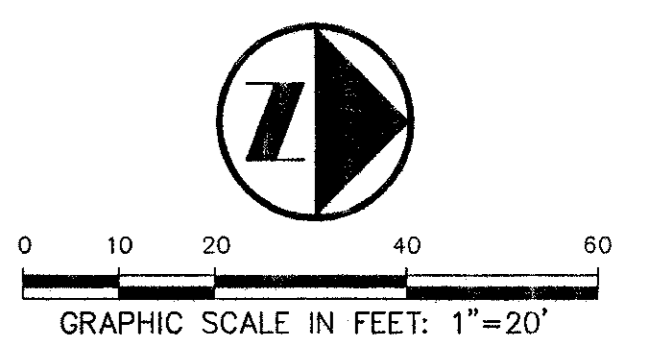


**CAUTION!!!**  
 UNDERGROUND TELEPHONE  
 IN AREA - CONTACT S.W.B.T.  
 48 HOURS PRIOR TO CONSTRUCTION  
 PHONE: 1-800-315-0440

**CAUTION!!!**  
 GAS LINE IN AREA-CONTACT  
 LONE STAR GAS 48 HOURS  
 PRIOR TO CONSTRUCTION  
 PHONE: (214)263-DIG6

**CONTACT:**  
 MR ED KEAH, OPERATING SUPPORT SECTION  
 DISTRIBUTION DEPARTMENT, 2 WORKING  
 DAYS PRIOR TO EXCAVATING T.U. ELECTRIC  
 FACILITIES.  
 PHONE: (214)698-7239 OR (214)698-7207

CONTRACTOR TO TAKE STEPS AS  
 REQUIRED TO PROTECT EXISTING  
 TREES AND ROOT SYSTEMS SHOWN  
 ON THIS PLAN TO THE FULLEST  
 EXTENT POSSIBLE. UNLESS TREES  
 THAT ARE MARKED FOR REMOVAL  
 MAINTAIN EXISTING GRADE AS CLOSE  
 AS POSSIBLE UNDER DRIP LINE



**LEGEND**

FH	FIRE HYDRANT
PP	POWER POLE
LS	LIGHT STANDARD
WM	WATER METER
WV	WATER VALVE
CO	CLEANOUT
MH	MANHOLE
GM	GAS METER
---	PROPERTY LINE
---	PROPOSED DRAINAGE DIVIDE

**NOTE:**  
 SEE DETAIL SHEET FOR DRAINAGE  
 NOTES AND STANDARD DETAILS.

**NOTE:**  
 GRATE INLETS TO BE INSTALLED ARE  
 TO BE "Brooks Products, Inc., PRECAST  
 CONCRETE PRODUCTS" 18"x18"x24" CATCH  
 BASIN W/GRATE OR APPROVED EQUAL.

**DRAINAGE AREA CALCULATIONS: DA 2**

DRAINAGE AREA No.	AREA (acres)	C	Tc (minutes)	I100 (inch/hour)	Q100 (cfs)	REMARKS
DA 1	1.88	0.90	10	8.74	14.79	TYPE "Y" INLET
DA 2	0.05	0.90	10	8.74	0.39	GRATE INLET
DA 3	0.10	0.90	10	8.74	0.79	GRATE INLET
DA 4	0.04	0.90	10	8.74	0.31	GRATE INLET
DA 5	0.28	0.90	10	8.74	2.20	GRATE INLET
DA 6	0.17	0.90	10	8.74	1.34	GRATE INLETS
DA 7	0.29	0.90	10	8.74	2.28	GRATE INLETS
DA 8	0.81	0.90	10	8.74	6.37	GRATE INLET
DA 9	0.05	0.90	10	8.74	0.39	GRATE INLET
DA 10	0.10	0.90	10	8.74	0.79	GRATE INLETS
DA 11A	0.09	0.90	10	8.74	0.74	COLLECT UNDERGROUND W/DA 1
DA 11B	0.09	0.90	10	8.74	0.74	COLLECT UNDERGROUND W/DA 5
DA 12	0.19	0.90	10	8.74	1.49	COLLECT UNDERGROUND W/DA 9 & 16
DA 13	0.16	0.90	10	8.74	1.26	COLLECT UNDERGROUND W/DA 3 & 4
DA 14	0.26	0.90	10	8.74	2.05	COLLECT UNDERGROUND W/DA 6
DA 15	0.24	0.90	10	8.74	1.89	COLLECT UNDERGROUND W/DA 8
DA 16	0.04	0.90	10	8.74	0.31	GRATE INLET

**BENCH MARKS:**

- BM #2: Top nut of FH near west line of site 675± north of southwest corner of site. Elev. 601.31
- BM #3: Cut "+" in walk on outside of curved drive near southeast corner of lower school. Elev. 586.06
- BM #4: "□" cut - west end conc. headwall, north side Spring Valley, at southeast corner campus. Elev. 578.47
- BM #5: "□" cut in walk at southeast corner intersection of drive along south side of preschool building and north-south drive into site from Spring Valley. Elev. 588.20
- BM #6: "□" cut at southwest corner basketball courts, southeast of gymnasium. Elev. 597.48
- BM #7: "□" cut, southeast corner transformer pad, northeast of tennis courts. Elev. 601.42
- BM #8: Top nut of FH at west end of drive along north side of campus. Elev. 609.80
- BM #9: "□" cut at NEC of electric MH on north side cafeteria, south side of drive along north side of campus. Elev. 602.80
- BM #10: "□" cut on conc. step near northwest corner of upper school. Elev. 598.85
- BM #11: "□" cut on conc step on walk exiting west side of library. Elev. 596.44
- BM #12: "□" cut at intersection of walk along west side lower school and walk along south side lower school. Elev. 587.78

- △ REVISED: NOV 13, 1998
- △ REVISED: OCT. 5, 1998
- △ REVISED: JUNE 3, 1998
- △ REVISED: NOV 25, 1997
- △ REVISED: OCT 24, 1997
- △ REVISED: SEP 8, 1997
- △ REVISED: JUN 30, 1997

**PACHECO KOCH** Consulting Engineers, Inc. 9401 LBJ Freeway, Suite 300  
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 Civil Engineering • Land Surveying (972) 235-3031



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 11/25/97. ALTERATION OF A SEALED DOCUMENT  
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 ENGINEER IS AN OFFENSE UNDER THE TEXAS  
 ENGINEERING PRACTICE ACT.

**DRAINAGE PLAN**  
**BUILDING EXPANSION**  
**GREENHILL SCHOOL**  
**ABST No. 273, DALLAS COUNTY**  
**TOWN OF ADDISON, TEXAS**

DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
SAM	BB	SEP 1997	1"=20'			C-3