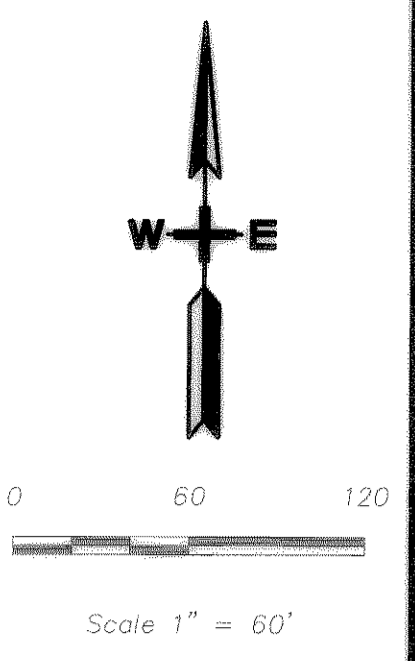


SEE OFFSITE DRAINAGE AREA MAP FOR  
FOR DRAINAGE INFORMATION



INLET DESIGN CALCULATIONS		PROJECT NAME MIDDLE SCHOOL #4										BY TJC				
		LINE NAME N/A										DATE 11/09/01				
No.	Inlet Location	AREA RUNOFF Q = CIA										SELECTED INLET		Carry-Over To Downstream Inlet (c.f.a.)		
		Design Storm Frequency (yrs.)	Time of Conc. (min.)	Intensity I (in./hr.)	Runoff Coeff. "C"	Area (ac.)	"Q" (c.f.a.)	Carry-Over From Upstream Inlet (c.f.a.)	Total Gutter Flow (c.f.a.)	Gutter Capacity (c.f.a.)	Gutter Slope (ft./100ft.)	Drain Type	Length "L" (feet)		Inlet Capacity (c.f.a.)	Type
B	"Y" INLET IN F.M. 552 R.O.W	100	10	9.8	0.50	1.19	5.8	0	N/A	N/A	N/A	N/A	4'x4'	47.4	"Y"	0
C	FRONT PARKING LOT	100	10	9.8	0.90	0.53	4.7	0	N/A	N/A	N/A	N/A	5'	10.0	C.I.	0
E	EAST BUS LOOP	100	10	9.8	0.90	0.13	1.1	1.1	1.1	1.1	1.1	1.1	5'	-	C.I.	0
F	EAST DRIVE	100	10	9.8	0.70	2.04	14.2	0	N/A	N/A	N/A	N/A	10'	20.0	C.I.	0
H	NORTHEAST OF SCHOOL	100	10	9.8	0.70	2.28	12.2	0	N/A	N/A	N/A	N/A	4'x4'	47.4	"Y"	0
I	WEST OF FIRELANE CUL-DE-SAC	100	10	9.8	0.55	9.85	41.4	0	N/A	N/A	N/A	N/A	4'x4'	47.4	"Y"	0
L	PARENT DROP LOOP NORTHEAST	100	10	9.8	0.90	1.18	10.4	0	N/A	N/A	N/A	N/A	10'	20.0	C.I.	0
M	BETWEEN SCHOOL & TRACK	100	10	9.8	0.70	1.08	7.4	0	N/A	N/A	N/A	N/A	4'x4'	47.4	"Y"	0
O	PARENT DROP LOOP SOUTHEAST	100	10	9.8	0.70	1.05	7.2	0	N/A	N/A	N/A	N/A	10'	20.0	C.I.	0
Q	BETWEEN SCHOOL & TRACK	100	10	9.8	0.70	0.31	2.1	0	N/A	N/A	N/A	N/A	4'x4'	47.4	"Y"	0
R	SOUTH OF SCHOOL	100	10	9.8	0.70	0.74	5.1	0	N/A	N/A	N/A	N/A	4'x4'	47.4	"Y"	0
S	SOUTH OF SCHOOL	100	10	9.8	0.70	1.06	7.3	0	N/A	N/A	N/A	N/A	4'x4'	47.4	"Y"	0
T	WEST OF TRACK	100	10	9.8	0.55	1.38	7.4	0	N/A	N/A	N/A	N/A	4'x4'	47.4	"Y"	0
U	WEST OF TRACK	100	10	9.8	0.57	1.90	4.3	0	N/A	N/A	N/A	N/A	4'x4'	47.4	"Y"	0
V	TRACK	100	10	9.8	0.70	3.33	22.8	0	N/A	N/A	N/A	N/A	4'x4'	47.4	"Y"	0

AREA NO.	DRAINAGE AREA "A" (ACRES)	TIME OF CONCENTRATION (IN MINUTES)	RUNOFF COEFFICIENT "C"	INTENSITY "I" 100' (IN./HR.)	DESIGN FLOW "Q" 100' (cfs)	REMARKS
A	0.37	10	0.50	9.8	1.8	OFFSITE WEST TO CULVERT
B	1.19	10	0.50	9.8	5.2	4' WYE INLET
C	0.82	10	0.90	9.8	7.2	10' CURB INLET
D	0.72	10	0.90	9.8	6.4	3' CURB CUT
E	0.13	10	0.90	9.8	1.1	5' CURB CUT
F	2.07	10	0.70	9.8	14.2	10' CURB INLET
G	1.28	10	0.50	9.8	6.3	SHEET FLOW TO THOMPSON BRANCH
H	1.28	10	0.70	9.8	8.8	4' WYE INLET
I	2.23	10	0.70	9.8	15.3	4' WYE INLET
J1	0.60	10	0.90	9.8	5.3	ROOF DRAINS
J2	0.57	10	0.90	9.8	5.0	ROOF DRAINS
K1	0.30	10	0.90	9.8	2.6	ROOF DRAINS
K2	0.27	10	0.90	9.8	2.4	ROOF DRAINS
L	1.18	10	0.90	9.8	10.4	10' CURB INLET
M	1.08	10	0.70	9.8	7.4	4' WYE INLET
N	0.75	10	0.90	9.8	6.6	ROOF DRAINS
O	1.05	10	0.70	9.8	7.2	10' CURB INLET
P	1.34	10	0.70	9.8	9.2	SHEET FLOW TO THOMPSON BRANCH/EAST
Q	0.31	10	0.70	9.8	2.1	AREA DRAIN
R	0.74	10	0.70	9.8	5.1	4' WYE INLET
S	1.06	10	0.70	9.8	7.3	4' WYE INLET
T	0.35	10	0.70	9.8	2.4	AREA DRAIN
U	0.63	10	0.70	9.8	4.3	AREA DRAIN
V	3.33	10	0.70	9.8	22.8	TRACK DRAINAGE SYSTEM
W	3.22	10	0.70	9.8	22.1	SHEET FLOW TO THOMPSON BRANCH/EAST
X	0.17	10	0.70	9.8	1.2	AREA DRAIN
Y	7.62	10	0.50	9.8	1.2	OFFSITE WEST TO AREA I
Z	1.03	10	0.50	9.8	1.2	OFFSITE WEST TO AREA T
AA	1.27	10	0.50	9.8	1.2	OFFSITE WEST TO AREA U
BB	1.51	10	0.50	9.8	1.2	OFFSITE WEST TO AREA H

DRAINAGE AREA MAP  
SCALE: 1" = 60'



**SHW Group Inc.**  
Architects + Engineers

SHEET NUMBER **C**  
OF **2.23**  
SET NUMBER

DATE NOV. 9, 2001  
DRAWN BY TJC  
CHECKED RAH  
COORD. NO. 144101044  
REVISED  
JANUARY 23, 2002

**ROCKWALL MIDDLE SCHOOL #4**  
**ROCKWALL INDEPENDENT SCHOOL DISTRICT**  
**ROCKWALL, TEXAS**

FINAL PLANS FOR BIDDING  
AND CONSTRUCTION