HYDROLOGY

L15/D3
TWO PLANS

L15-D3

2 PLANS

FLOOD ROUTING PROGRAM *WESTERN 6 AS-BILT FLOOD ROUTING

FLOWS IN AC FT PER 4.00 MN

TIME (MN)	WATER LEVEL	COMPUTED OUTFLOW	CURRENT STORAGE (AC FT)	INFLOW	ELEV TABLE	STORAGE TABLE (AC FT.)	OUTFLOW CURVE TABLE	
					21.400	0.000	0.000	0.000
0.000	21.400	0.000	0.000	0.000	22.000	0.071	0.000	0.071
4.000	21.479	0.000	0.009	0.019	22.500	0.130	0.000	0.130
8.000	21.711	0.000	0.037	0.036	23.000	0.190	0.000	0.190
12.000	22.032	0.001	0.075	0.040	23.200	0.213	0.000	0.213
16.000	22.347	0.001	0.113	0.036	23.400	0.237	0.044	0.259
20.000	22.620	0.002	0.144	0.031	0.000	0.000	0.000	0.000
24.000	22.851	0.002	0.171	0.027	0.000	0.000	0.000	0.000
28.000	23.041	0.003	0.193	0.023	0.000	0.000	0.000	0.000
32.000	23.189	0.003	0.211	0.018	0.000	0.000	0.000	0.000
36.000	23.251	0.014	0.218	0.014	0.000	0.000	0.000	0.000
40.000	23.238	0.012	0.216	0.009	0.000	0.000	0.000	0.000
44.000	23.219	0.007	0.214	0.005	0.000	0.000	0.000	0.000
48.000	23.200	0.003	0.212	0.001	0.000	0.000	0.000	0.000
52.000	23.182	0.003	0.210	0.001	0.000	0.000	0.000	0.000
56.000	23.165	0.003	0.208	0.001	0.000	0.000	0.000	0.000
60.000	23.148	0.003	0.206	0.001	0.000	0.000	0.000	0.000
64.000	23.131	0.003	0.204	0.001	0.000	0.000	0.000	0.000
68.000	23.115	0.003	0.202	0.001	0.000	0.000	0.000	0.000
72.000	23.100	0.003	0.200	0.001	0.000	0.000	0.000	0.000
76.000	23.084	0.003	0.198	0.001	0.000	0.000	0.000	0.000
80.000	23.069	0.003	0.197	0.001	0.000	0.000	0.000	0.000
84.000	23.054	0.003	0.195	0.001	0.000	0.000	0.000	0.000
88.000	23.040	0.003	0.193	0.001	0.000	0.000	0.000	0.000
92.000	23.026	0.003	0.191	0.001	0.000	0.000	0.000	0.000
96.000	23.012	0.003	0.190	0.001	0.000	0.000	0.000	0.000
100.000	22.998	0.003	0.188	0.001	0.000	0.000	0.000	0.000
104.000	22.985	0.003	0.187	0.001	0.000	0.000	0.000	0.000
108.000	22.972	0.003	0.185	0.001	0.000	0.000	0.000	0.000
112.000	22.959	0.003	0.184	0.001	0.000	0.000	0.000	0.000
116.000	22.947	0.003	0.182	0.001	0.000	0.000	0.000	0.000
120.000	22.935	0.003	0.181	0.001	0.000	0.000	0.000	0.000
124.000	22.923	0.002	0.179	0.001	0.000	0.000	0.000	0.000
128.000	22.911	0.002	0.178	0.001	0.000	0.000	0.000	0.000
132.000	22.900	0.002	0.177	0.001	0.000	0.000	0.000	0.000
136.000	22.888	0.002	0.175	0.001	0.000	0.000	0.000	0.000
140.000	22.878	0.002	0.174	0.001	0.000	0.000	0.000	0.000
144.000	22.867	0.002	0.173	0.001	0.000	0.000	0.000	0.000
148.000	22.856	0.002	0.172	0.001	0.000	0.000	0.000	0.000
152.000	22.846	0.002	0.170	0.001	0.000	0.000	0.000	0.000
156.000	22.836	0.002	0.169	0.001	0.000	0.000	0.000	0.000
160.000	22.826	0.002	0.168	0.001	0.000	0.000	0.000	0.000
164.000	22.816	0.002	0.167	0.001	0.000	0.000	0.000	0.000
168.000	22.807	0.002	0.166	0.001	0.000	0.000	0.000	0.000
172.000	22.797	0.002	0.165	0.001	0.000	0.000	0.000	0.000
176.000	22.788	0.002	0.164	0.001	0.000	0.000	0.000	0.000
180.000	22.779	0.002	0.163	0.001	0.000	0.000	0.000	0.000
184.000	22.771	0.002	0.161	0.001	0.000	0.000	0.000	0.000
188.000	22.762	0.002	0.160	0.001	0.000	0.000	0.000	0.000
192.000	22.753	0.002	0.159	0.001	0.000	0.000	0.000	0.000
196.000	22.745	0.002	0.159	0.001	0.000	0.000	0.000	0.000
200.000	22.737	0.002	0.158	0.001	0.000	0.000	0.000	0.000
204.000	22.729	0.002	0.157	0.001	0.000	0.000	0.000	0.000
208.000	22.721	0.002	0.156	0.001	0.000	0.000	0.000	0.000
212.000	22.714	0.002	0.155	0.001	0.000	0.000	0.000	0.000
216.000	22.706	0.002	0.154	0.001	0.000	0.000	0.000	0.000
220.000	22.699	0.002	0.153	0.001	0.000	0.000	0.000	0.000
224.000	22.692	0.002	0.152	0.001	0.000	0.000	0.000	0.000
228.000	22.684	0.002	0.151	0.001	0.000	0.000	0.000	0.000
232.000	22.678	0.002	0.151	0.001	0.000	0.000	0.000	0.000
236.000	22.671	0.002	0.150	0.001	0.000	0.000	0.000	0.000
240.000	22.664	0.002	0.149	0.001	0.000	0.000	0.000	0.000
244.000	22.657	0.002	0.148	0.001	0.000	0.000	0.000	0.000
248.000	22.651	0.002	0.147	0.001	0.000	0.000	0.000	0.000
252.000	22.645	0.002	0.147	0.001	0.000	0.000	0.000	0.000
256.000	22.638	0.002	0.146	0.001	0.000	0.000	0.000	0.000
260.000	22.632	0.002	0.145	0.001	0.000	0.000	0.000	0.000
264.000	22.626	0.002	0.145	0.001	0.000	0.000	0.000	0.000
268.000	22.621	0.002	0.144	0.001	0.000	0.000	0.000	0.000
272.000	22.615	0.002	0.143	0.001	0.000	0.000	0.000	0.000
276.000	22.609	0.002	0.143	0.001	0.000	0.000	0.000	0.000
280.000	22.604	0.002	0.142	0.001	0.000	0.000	0.000	0.000
284.000	22.598	0.002	0.141	0.001	0.000	0.000	0.000	0.000

POND STORAGE

ELEV.	VOLUME
23.2 (TOP WEIR)	9300 FT³
23.4	10330 FT³

TIME	INFLOW (CFS)	OUTFLOW (CFS)	ELEVATION
0.0	0.00	0.00	21.40
4.0	3.40	0.01	21.48
8.0	6.60	0.04	21.71
12.0	7.30	0.12	22.03
16.0	6.50	0.22	22.35
20.0	5.70	0.32	22.62
24.0	4.90	0.42	22.85
28.0	4.10	0.50	23.04
32.0	3.30	0.57	23.19
36.0	2.50	-2.60	23.25
40.0	1.70	2.12	23.24
44.0	0.90	1.33	23.22
48.0	0.20	0.58	23.20
52.0	0.20	0.57	23.18
56.0	0.20	0.56	23.16
60.0	0.20	0.56	23.15
64.0	0.20	0.55	23.13
68.0	0.20	0.54	23.12
72.0	0.20	0.53	23.10
76.0	0.20	0.52	23.08
80.0	0.20	0.52	23.07
84.0	0.20	0.51	23.05
88.0	0.20	0.50	23.04
92.0	0.20	0.50	23.03
96.0	0.20	0.49	23.01
100.0	0.20	0.49	23.00
104.0	0.20	0.48	22.98
108.0	0.20	0.47	22.97
112.0	0.20	0.47	22.96
116.0	0.20	0.46	22.95
120.0	0.20	0.46	22.93
124.0	0.20	0.45	22.92
128.0	0.20	0.45	22.91
132.0	0.20	0.44	22.90
136.0	0.20	0.44	22.89
140.0	0.20	0.43	22.88
144.0	0.20	0.43	22.87
148.0	0.20	0.42	22.86
152.0	0.20	0.42	22.85
156.0	0.20	0.41	22.84
160.0	0.20	0.41	22.83
164.0	0.20	0.40	22.82
168.0	0.20	0.40	22.81
172.0	0.20	0.40	22.80
176.0	0.20	0.39	22.79
180.0	0.20	0.39	22.78
184.0	0.20	0.39	22.77
188.0	0.20	0.38	22.76
192.0	0.20	0.38	22.75
196.0	0.20	0.37	22.75
200.0	0.20	0.37	22.74
204.0	0.20	0.37	22.73
208.0	0.20	0.36	22.72
212.0	0.20	0.36	22.71
216.0	0.20	0.36	22.71
220.0	0.20	0.36	22.70
224.0	0.20	0.35	22.69
228.0	0.20	0.35	22.68
232.0	0.20	0.35	22.68
236.0	0.20	0.34	22.67
240.0	0.20	0.34	22.66
244.0	0.20	0.34	22.66
248.0	0.20	0.34	22.65
252.0	0.20	0.33	22.64
256.0	0.20	0.33	22.64
260.0	0.20	0.33	22.63
264.0	0.20	0.33	22.63
268.0	0.20	0.32	22.62
272.0	0.20	0.32	22.61
276.0	0.20	0.32	22.61
280.0	0.20	0.32	22.60
284.0	0.20	0.32	22.60

Ready

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RUN $FLODR
RUNNING FLODR - ENTER INPUT FILENAME
*WESTR6.JLL

'FLODR *WESTERN 6 AS-BILT F
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23.25

21.4

BENCH MARK
BRASS CAP STAMPED "STA. I-25-29"
LOCATED 1/2 MILES SOUTHEAST OF
DOWNTOWN ALBUQUERQUE. AT THE
SOUTHEAST CORNER OF THE NWY I-25
BRIDGE CROSSING OVER STADIUM BLVD.
Y=1,490,753.28 X=303,679.97
ELEV=5031.42

SCALE: 1"=20'

DISAPPROVED FOR DRAINAGE
10-16-81
DATE
Bernie Montoya
SIGNATURE TITLE
1. Must comply with Ponding requirements
2. Must comply with Spillway design

APPROVED FOR DRAINAGE
1-15-82
DATE
SIGNATURE TITLE
HYDROLOGY SECTION
ADVISE CONTRACTOR WHEN CERTIFICATION IS REQUIRED
(CERTIFIED BY MSM, SEE LETTER WITH CALCULATIONS DATED DEC. 14, 1982

I, Jeryl D. Hart, Jr., Registered Professional Engineer and Land Surveyor, do hereby certify that this map represents actual as constructed finish floor elevations, grading improvements, and drainage improvements based on a field survey performed under my supervision on October 9, 1981, and is true and correct to the best of my knowledge.

Jeryl D. Hart, Jr., P.E.& L.S. Date 10/14/81

JERYL D. HART, JR. NEW MEXICO 7477 REGISTERED PROFESSIONAL ENGINEER

JERYL D. HART, JR. NEW MEXICO 6786 REGISTERED PROFESSIONAL ENGINEER

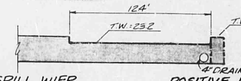
MEURER, SERAFINI AND MEURER, INC.
CONSULTING ENGINEERS • SURVEYORS • PLANNERS
2801 Wyoming Blvd., N.E. Albuquerque, New Mexico 87110
(505) 292-1928 A Gange Co.

NO.	DATE	BY	REVISIONS

WESTERN 6 MOTEL
AS BUILT
GRADING & DRAINAGE PLAN

DESIGNED BY: J.L.	DRAWN BY: C.S.
CHECKED BY: J.L.	APPROVED BY: J.H.
SCALE: 1"=20'	DATE: OCT. 81
JOB NO. 2A1087	SHEET NO. 1 of 1

FIELD BOOK 1580



OVERSPILL WIER
CAPACITY Q=CLH^3/2
C=3.95 L=124' H=0.2'
Q=3.95(124)(0.2)^3/2=4.4cfs
Q REQD.=.79 cfs

POSITIVE DISCHARGE DRAIN
CAPACITY=Q=CAVE2gH
C=0.63 A=0.086 H=0.2'
Q=0.63(0.086)(12.2)(0.2)=.58cfs
Q MAX. REQD=0.8 cfs

OVERSPILL AND POSITIVE DISCHARGE
NO SCALE

RECEIVED OCT 15 1981

LEGEND

—27—	ORIGINAL CONTOUR
—25—	CONSTRUCTED CONTOUR
TP=25.8	TOP PAVEMENT ELEVATION
T.S.W.=23.8	TOP SIDEWALK ELEVATION
→	GENERAL DIRECTION OF FLOW
●	EXISTING M.H.
T.W.=23.4	TOP WALL ELEVATION
———	SWALE
TC=23±	TOP OF CURB ELEVATION. SLOPE UNIFORM BETWEEN SPOT ELEVATIONS
- - - -	VARIABLE HEIGHT CURB TOP CURB ELEV. 23.2 MIN.

AREA A-2 POND
AREA = 11625 SQ. FT.
AVERAGE DEPTH ≈ 0.80
VOLUME = 9300 CU. FT.

NOTE: THE REQUIRED POND VOLUME PER THE APPROVED DRAINAGE REPORT DATED DEC. 1980 IS 10,648 CU. FT.

ALBUQUERQUE METROPOLITAN FLOOD CONTROL AUTHORITY

STADIUM BLVD. (106' R.O.W.)

I.H. 25

FUTURE RESTAURANT SITE

FIN. FLOOR=270 | FIN. FLOOR=260 | FIN. FLOOR=250 | FIN. FLOOR=250 | FIN. FLOOR=259 | FIN. FLOOR=240

POOL AREA

PARKING LOT POND STORAGE AREA

OVERSPILL AND POSITIVE DISCHARGE (SEE DETAIL)

60' RETAINING WALL

EDGE OF PAVEMENT

S 14°24'31" W

N 89°09'04" W

N 05°35'45" E

N 00°48'18" E

L15/D3