PICKETT RAY & SILVER

Civil Engineers
Planners
Land Surveyors

333 Mid Rivers Mall Dr.
St. Peters, MO 63376

441-1211
278-1211

PROJECT NAME Glenmarc

PROJECT #/JOB ORDER # 95059

DATE 8-11-95

DESIGNER KID

PAGE 1

Rev. 9.2.95 TJ

BASIN "C" — EAST BASIN

EXISTING CONDITIONS

ONSITE 10.59 AC

15 YR @ 1.87 = 19.80 CFS

25 YR 2.31 = 24.46 CFS

100 YR 2.95 = 31.24 CFS

PROPOSED CONDITIONS

ONSITE 11.62 AC

15 YR @ 2.64 = 30.68 CFS

25 YR 3.26 = 37.88 CFS

100 YR 4.17 = 48.46 CFS

Q_{15} 30.68 − 19.80 = 10.88 CFS

Q_{25} 37.88 − 24.46 = 13.42 CFS

Q_{100} 48.46 − 31.24 = 17.22 CFS

30.68 × 60 = 1840.8 CFM

37.88 × 60 = 2272.8 CFM

48.46 × 60 = 2907.6 CFM

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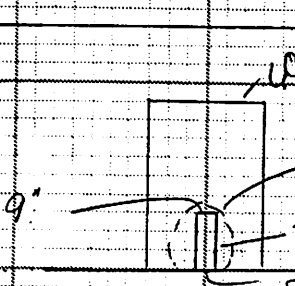
PROJECT NAME GLENMARO - EAST BASIN
PROJECT #/JOB ORDER #
DATE
DESIGNER
PAGE 2

Rev. 9-2.95 TR

ELEV	AREA	STORAGE	ACCUMP. STOR.
604	4,069	0	0
606	6,665	10,734	10,734
608	8,873	15,538	26,272
610	12,397	21,270	47,542



(EXIST.)

$Q = CA\sqrt{2gR}$ 604 Q25/12 24.46 CFS

$= 0.6(1.31)\sqrt{64.4(.394)}$

$= 12.5$ CFS

HW 608.8

$T_C = \frac{L}{3600(V)}$

600 = FLOW LENGTH

25.3/600 = .04217 Slope

V = 1.45 FROM NOMOGRAPH

$= \frac{600}{3600(1.45)} = .11494$

$.11494 \times 60 = 6.89 = 7$ MIN/HR

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PROJECT NAME Glenmaro
PROJECT #/JOB ORDER # 95059
DATE 8-16-95
DESIGNER KJD
PAGE 1

Glen Maro Detention Summary ~~Sheet~~

Rev'd 9.2.95 TR

	Total Acres of Claims:				
	57.38				
–	Undeveloped Areas 2.31 P.I. Factor	(25 yr.)			
–	Developed Areas 3.26 P.I. Factor	(25 yr.)			
	57.38 Acres (3.26 Dev – 2.31 Undev) = 54.51				
25 yr. Storm	Detention Required By Mexico Road (cfs)				
	Existing = 44.26	Proposed: 64.34	Difference = 20.08 cfs		
	Detention Required on East side of Property (cfs)				
	Existing = 24.46 cfs	Proposed = 37.88 cfs	Difference = 13.42 cfs		
	Detention Required By Bryan Road				
	Existing = 23.63 cfs	Proposed = 25.56 cfs	Difference = 1.93 cfs		
	Actual Detention Provided =				
		Mexico = 46.75 cfs			
		East = 25.28			
		Bryan = 14.90			
		86.93	vs = 54.51 cfs (Required)		

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PROJECT #/JOB ORDER # 95059

DATE 8-12-95

DESIGNER KJD

PAGE 1

Rev 9.2.95 TF

BASIN "A" - MEXICO ROAD

EXISTING CONDITIONS

ONSITE 10.42 Ac

15YR @ 1.67 = 17.42 CFS

25YR 2.31 = 24.07 CFS

100YR 2.95 = 30.74 CFS

OFFSITE 8.74 Ac

15YR @ 1.87 = 16.34 CFS

25YR 2.31 = 20.19 CFS

100YR 2.95 = 25.78 CFS

PROPOSED CONDITIONS

ONSITE 14.12 Ac

15YR @ 2.64 = 37.28 CFS

25YR 3.24 = 46.03 CFS

100YR 4.17 = 58.88 CFS

OFFSITE 7.92 Ac

15YR @ 1.87 = 14.81 CFS

25YR 2.31 = 18.30 CFS

100YR 2.95 = 23.36 CFS

Tc 15 52.09 - 35.83 = 16.26 CFS

Tc 25 64.33 - 44.26 = 20.07 CFS

Tc 100 82.24 - 56.52 = 25.72

52.09 x 60 = 3125.4 cfm

64.33 x 60 = 3860.4 "

82.24 x 60 = 4934.4 "

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PROJECT NAME Glenmaro Mexico Detention

PROJECT #/JOB ORDER #

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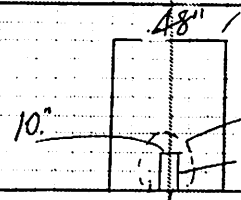
Rev 9-2-95 TR

ELEV.	AREA (FT²)	STORAGE (FT²)	ACCUM. STORAGE (FT²)
595	4,648	0	0
596	7,244	5,946	5,946
598	9,879	17,123	23,069
600	12,358	22,237	45,306
602	16,505	28,863	74,169

600.7



FL 595.00

36" EXIT PIPE

CIRCUMFERENCE OF OUTFALL

$L = (C = 2\pi R)$

$L = 15.71$

$H =$

$C = 3.0$ (CONSTANT)

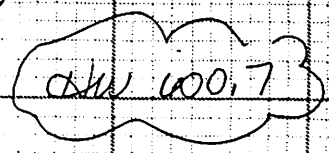
ORIFICE

$Q = Ca\sqrt{2gh}$

$(0.6)(1.67)\sqrt{64.4}(4.7)$

$= 17.4$ CFS

25 YR = 30 CFS



WEIR

$L = 1400$

SLOPE $= 40.8/1400 = 0.029$

$V = 1.20$ FROM NOMOGRAPH

$T_c = \frac{L}{3600(V)} = \frac{1400}{3600(1.20)}$

$= 0.32407$

$0.32407 \times 60 = 19.44$ MIN/HR

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PROJECT NAME Glenmaro

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BASIN "B" BRYAN ROAD

EXISTING CONDITIONS

10.23 AC. 15YR. @ 1.87 = 19.13 cfs
25YR. @ 2.31 = 23.63 cfs
100 YR. @ 2.95 = 30.18 cfs

PROPOSED CONDITIONS

7.84 AC. 15YR. @ 2.64 = 20.70 cfs
25YR. @ 3.26 = 25.56 cfs
100YR. @ 4.17 = 32.69 cfs

RUNOFF TO BASIN

6.24 AC. 15YR. @ 2.64 = 16.48 cfs
25YR. @ 3.26 = 20.34 cfs
100YR. @ 4.17 = 26.02 cfs

BYPASS BASIN

1.60 AC. 15YR. @ 2.64 = 4.22 cfs
25YR. @ 3.26 = 5.22 cfs
100YR @ 4.17 = 6.67 cfs

16.48 x 60 = 988.80 cfm
20.34 x 60 = 1,220.40 cfm
26.02 x 60 = 1,561.20 cfm

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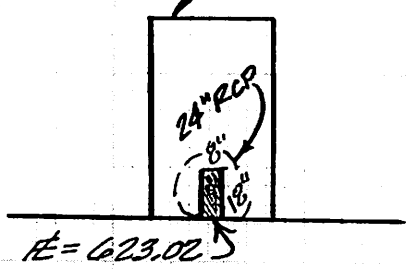
ELEVATION	AREA	VOLUME	CUM. VOLUME
623.02	0		
623.20	890	80	80
624.00	1435	929	1010
626.00	3180	4615	5625
628.00	5695	8875	14500
630.00	7790	13485	27985

48" Standpipe
Sill = 628.00



ORIFICE:

$Q = Ca\sqrt{2gh}$

$= (0.6)(1.0)\sqrt{64.4(4.25)}$

$= 9.93$ cfs

$T_c = \frac{L}{3600(V)} = \frac{500}{3600(1.2)} = .11574$ hr.

$.11574(60) = 6.9$ min/hr. $= 7$

PICKETT RAY & SILVER

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PROJECT NAME Glenmaro

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DATE

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WEIR: 48" ϕ Standpipe

$Q = C \times L \times H^{3/2}$

where:

$C = 3.0$

$L = 12.57$ ft.

$Q_{100} = 26.02$ cfs

$$26.02 = (3.0)(12.57)(H^{3/2})$$

$$\left(\frac{26.02}{(3.0)(12.57)}\right)^{2/3} = H$$

$$0.78 \text{ ft.} = H$$

Sill Elev. = 628.00 (48" ϕ Standpipe)

$H.W._{100} = 628.00 + 0.78 = 628.78$

GLENMARO 25YR MEXICO [illegible]-95 SUBMITTAL DATE:

ELEVATION	AREA	VOLUME	CUM. VOLUME
595.00	4640		
		5946	5946
596.00	7244		
		17123	23069
598.00	9879		
		22237	45306
600.00	12358		
		28863	74169
602.00	16505		

```
*****************************************
*                                       *
*  RECTANGULAR ORIFICE                  *
*   10 in W X 24 in H   ELEV= 595       *
*          39.5                         *
*  Outlet Pipe - 395 ft - [illegible] in pipe  *
*  UFL= 594  LFL= 593.5   n= .013       *
*                                       *
*  Overflow Structure -  Standpipe      *
*  DIAM= 48 in   STANDPIPE ELEV= 600.7  *
*                                       *
*****************************************
```

GLENMARO 25YR MEXICO [illegible]2-95 SUBMITTAL DATE:

MIN	INFLOW	STORAGE	OUTFLOW	NET DET.	ELEV.
1	203.18	203.18	0.00	203.18	595.03
2	406.36	609.54	0.82	608.72	595.10
3	609.54	1218.27	4.26	1214.00	595.20
4	812.72	2026.99	11.99	2014.72	595.34
5	1015.89	3030.61	25.64	3004.97	595.51
6	1219.07	4224.04	46.70	4177.34	595.70
7	1422.25	5599.59	76.56	5523.04	595.93
8	1625.43	7148.47	116.38	7032.09	596.13
9	1828.61	8860.70	155.50	8705.20	596.32
10	2031.79	10736.99	197.66	10539.33	596.54
11	2234.97	12774.30	247.59	12526.70	596.77
12	2438.15	14964.85	305.77	14659.08	597.02
13	2641.33	17300.41	493.84	16806.57	597.27
14	2844.51	19651.08	551.35	19099.73	597.54
15	3047.68	22147.41	606.77	21540.65	597.82
16	3250.86	24791.51	660.67	24130.85	598.10
17	3454.04	27584	708.63	26876.26	598.34
18	3657.22	30533.48	749.21	29784.27	598.60
19	3860.40	33644.67	789.93	32854.74	598.88
20	3860.40	36715.14	830.77	35884.37	599.15
21	3657.22	39541.59	869.17	38672.42	599.40
22	3454.04	42126.46	903.08	41223.38	599.63
23	3250.86	44474.24	933.03	43541.22	599.84
24	3047.68	46588.90	959.42	45629.48	600.02
25	2844.51	48473.99	981.78	47492.21	600.15
26	2641.33	50133.54	997.41	49136.13	600.27
27	2438.15	51574.53	1011.00	50563.28	600.36
28	2234.97	52798.25	1022.66	51775.59	600.45
29	2031.79	53807.72	1032.45	52774.93	600.52
30	1828.61	54603.33	1040.45	53563.09	600.57
31	1625.43	55188.52	1046.73	54141.80	600.61
32	1422.25	55564.80	1051.31	54512.75	600.64
33	1219.07	55731.82	1054.23	54677.60	600.65
34	1015.89	55693.25	1055.53	54637.96	600.65
35	812.72	55450.94	1055.22	54395.46	600.63
36	609.54	55005.67	1053.31	53951.69	600.60
37	406.36	54358.05	1049.80	53308.25	600.55
38	203.18	53511.43	1044.70	52466.73	600.50
39	0.00	52466	1038.00	51428.74	600.42

PEAK OUTFLOW= 17.59 CFS AT [illegible] MINUTES

Inflow = 64.34 cfs

outflow = 17.59

46.75 cfs = Stored.

95059-2

GLENMARO 100YR MEXICO 9-2-95 SUBMITTAL DATE:

ELEVATION	AREA	VOLUME	CUM. VOLUME
595.00	4648		
		5946	5946
596.00	7244		
		17123	23069
598.00	9879		
		22237	45306
600.00	12358		
		28863	74169
602.00	16505		

```
**************************************
*                                    *
* RECTANGULAR ORIFICE                *
*  10 in W X 24 in H   ELEV= 595     *
*                                    *
* Outlet Pipe -  39.5 ft - 36 in pipe*
* UFL= 594  LFL= 593.5   n= .013     *
*                                    *
* Overflow Structure -  Standpipe    *
* DIAM= 48 in   STANDPIPE ELEV= 600.7*
*                                    *
**************************************
```

GLENMARO 100YR MEXICO 9-2-95 SUBMITTAL DATE:

MIN	INFLOW	STORAGE	OUTFLOW	NET DET.	ELEV.
1	259.71	259.71	0.00	259.71	595.04
2	519.41	779.12	1.19	777.93	595.13
3	779.12	1557.05	6.15	1550.89	595.26
4	1038.82	2589.71	17.31	2572.40	595.43
5	1298.53	3870.93	36.99	3833.94	595.64
6	1558.23	5392.17	67.31	5324.87	595.90
7	1817.94	7142.81	110.17	7032.64	596.13
8	2077.64	9110.28	155.51	8954.77	596.35
9	2337.35	11292.12	204.24	11087.88	596.60
10	2597.05	13684.93	263.19	13421.69	596.87
11	2856.76	16278.45	333.28	15945.17	597.17
12	3116.46	19061.63	529.02	18532.61	597.47
13	3376.17	21908.78	593.55	21315.23	597.80
14	3635.87	24951.10	655.88	24295.22	598.11
15	3895.58	28190.80	711.13	27479.68	598.40
16	4155.28	31634.97	757.84	30877.13	598.70
17	4414.99	35292.12	804.71	34487.42	599.03
18	4674.69	39162.12	851.68	38310.43	599.37
19	4934.40	43244.83	898.75	42346.08	599.73
20	4934.40	47280.48	945.90	46334.58	600.07
21	4674.69	51009.28	987.72	50021.54	600.33
22	4414.99	54436.53	1018.25	53418.28	600.56
23	4155.28	57573.57	1045.98	56527.99	600.78
24	3895.58	60423.57	1113.97	59309.60	600.97
25	3635.87	62945.48	1388.29	61557.19	601.13
26	3376.17	64933.36	1703.47	63229.90	601.24
27	3116.46	66346.36	1991.73	64354.62	601.32
28	2856.76	67211.38	2215.12	64996.24	601.36
29	2597.05	67593.29	2373.78	65219.51	601.38
30	2337.35	67556.86	2419.08	65137.78	601.37
31	2077.64	67215.43	2402.65	64812.99	601.35
32	1817.94	66630.93	2337.08	64293.85	601.32
33	1558.23	65852.10	2203.65	63648.45	601.27
34	1298.53	64946.98	2083.87	62863.11	601.22
35	1038.82	63901.93	1928.40	61973.53	601.15
36	779.12	62752.65	1781.27	60971.38	601.09
37	519.41	61490.79	1616.39	59874.70	601.01
38	259.71	60134.41	1459.43	58674.98	600.93
39	0.00	58674.98	1311.15	57363.83	600.84

PEAK OUTFLOW= 40.32 CFS AT 30 MINUTES

```
*****************************************
*                                       *
*  RECTANGULAR ORIFICE                  *
*   8 in W X 18 in H   ELEV= 623.02     *
*                                       *
*  Outlet Pipe -  53.24 ft - 24 in pipe *
*  UFL= 623.02  LFL= 622.49   n= .013   *
*                                       *
*  Overflow Structure -  Standpipe      *
*  DIAM= 48 in   STANDPIPE ELEV= 628    *
*                                       *
*****************************************
```

Bryan Rd

25 yr.

GLENMARO 9-22-95 SUBMITTAL DATE: REV.9-22-95

MIN	INFLOW	STORAGE	OUTFLOW	NET DET.	ELEV.
1	61.02	61.02	0.00	61.02	623.16
2	122.04	183.06	5.28	177.78	623.28
3	183.06	360.84	14.11	346.73	623.43
4	244.08	590.81	27.24	563.57	623.62
5	305.10	868.67	47.84	820.83	623.84
6	366.12	1186.95	76.83	1110.12	624.04
7	427.14	1537.26	107.66	1429.60	624.18
8	488.16	1917.76	130.24	1787.52	624.34
9	549.18	2336.70	157.17	2179.53	624.51
10	610.20	2789.73	188.54	2601.19	624.69
11	671.22	3272.41	281.64	2990.77	624.86
12	732.24	3723.01	306.42	3416.59	625.04
13	793.26	4209.85	331.37	3878.48	625.24
14	854.28	4732.76	356.48	4376.28	625.46
15	915.30	5291.58	381.69	4909.89	625.69
16	976.32	5886.21	406.99	5479.22	625.94
17	1037.34	6516.56	432.34	6084.22	626.10
18	1098.36	7182.58	448.66	6733.92	626.25
19	1159.38	7893.30	462.53	7430.77	626.41
20	1220.40	8651.17	476.95	8174.22	626.57
21	1159.38	9333.60	491.87	8841.73	626.72
22	1098.36	9940.09	504.88	9435.21	626.86
23	1037.34	10472.55	516.19	9956.36	626.98
24	976.32	10932.68	525.91	10406.77	627.08
25	915.30	11322.07	534.17	10787.90	627.16
26	854.28	11642.18	541.06	11101.12	627.23
27	793.26	11894.38	546.65	11347.73	627.29
28	732.24	12079.97	551.02	11528.95	627.33
29	671.22	12200.17	554.21	11645.96	627.36
30	610.20	12256.16	556.26	11699.90	627.37
31	549.18	12249.08	557.20	11691.88	627.37
32	488.16	12180.04	557.06	11622.98	627.35
33	427.14	12050.12	555.86	11494.26	627.32
34	366.12	11860.38	553.60	11306.78	627.28
35	305.10	11611.88	550.30	11061.58	627.23
36	244.08	11305.66	545.95	10759.71	627.16
37	183.06	10942.77	540.55	10402.22	627.08
38	122.04	10524.26	534.08	9990.18	626.98
39	61.02	10051.20	526.53	9524.67	626.88
40	0.00	9524.67	517.87	9006.80	626.76

PEAK OUTFLOW= 9.29 CFS AT 31 MINUTES

```
*****************************************
*                                       *
*  RECTANGULAR ORIFICE                  *
*   8 in W X 18 in H   ELEV= 623.02     *
*                                       *
*  Outlet Pipe -  53.24 ft - 24 in pipe *
*  UFL= 623.02  LFL= 622.49   n= .013   *
*                                       *
*  Overflow Structure -  Standpipe      *
*  DIAM= 48 in   STANDPIPE ELEV= 628    *
*                                       *
*****************************************
```

Brynn Rd
100 yr

GLENMARD 9-22-95 SUBMITTAL DATE: REV.9-22-95

MIN	INFLOW	STORAGE	OUTFLOW	NET DET.	ELEV.
1	78.06	78.06	0.00	78.06	623.20
2	156.12	234.18	7.64	226.54	623.33
3	234.18	460.72	17.60	443.12	623.51
4	312.24	755.36	35.92	719.44	623.75
5	390.30	1109.74	64.86	1044.88	624.02
6	468.36	1513.24	103.23	1410.01	624.17
7	546.42	1956.43	128.81	1827.62	624.35
8	624.48	2452.10	160.29	2291.81	624.56
9	702.54	2994.35	260.31	2734.04	624.75
10	780.60	3514.64	290.33	3224.31	624.96
11	858.66	4082.97	320.35	3762.62	625.19
12	936.72	4699.34	350.35	4348.99	625.45
13	1014.78	5363.77	380.35	4983.42	625.72
14	1092.84	6076.26	410.35	5665.91	626.01
15	1170.90	6836.81	439.51	6397.30	626.17
16	1248.96	7646.26	455.40	7190.86	626.35
17	1327.02	8517.88	472.03	8045.85	626.55
18	1405.08	9450.93	489.32	8961.61	626.75
19	1483.14	10444.75	507.19	9937.56	626.97
20	1561.20	11498.76	525.56	10973.20	627.21
21	1483.14	12456.34	544.38	11911.96	627.42
22	1405.08	13317.04	560.89	12756.15	627.61
23	1327.02	14083.17	575.33	13507.84	627.78
24	1248.96	14756.80	587.89	14168.91	627.93
25	1170.90	15339.81	598.72	14741.09	628.04
26	1092.84	15833.93	620.40	15213.53	628.11
27	1014.78	16228.31	682.20	15546.11	628.16
28	936.72	16482.83	742.51	15740.32	628.18
29	858.66	16598.98	781.62	15817.36	628.20
30	780.60	16597.96	797.97	15799.99	628.19
31	702.54	16502.53	794.26	15708.27	628.18
32	624.48	16332.75	774.95	15557.81	628.16
33	546.42	16104.23	744.74	15359.49	628.13
34	468.36	15827.85	706.41	15121.44	628.09
35	390.30	15511.74	667.58	14844.16	628.05
36	312.24	15156.40	631.18	14525.23	628.00
37	234.18	14759.41	604.81	14154.60	627.92
38	156.12	14310.72	598.49	13712.23	627.82
39	78.06	13790.29	591.26	13199.03	627.71
40	0.00	13199.03	582.77	12616.27	627.58

PEAK OUTFLOW= 13.3 CFS AT 30 MINUTES

GLENMARO 25YR EAST 9-[illegible]-95 SUBMITTAL DATE:

ELEVATION	AREA	VOLUME	CUM. VOLUME
604.00	4069		
		10734	10734
606.00	6665		
		15538	26272
608.00	8873		
		21270	47542
610.00	12397		

```
**********************************************
*                                            *
*  RECTANGULAR ORIFICE                       *
*   9 in W X 21 in H   ELEV= 604             *
*                                            *
*  Outlet Pipe -  42.41 ft [illegible]0 in pipe  *
*  UFL= 604.02  LFL= 603.6   [illegible]= .013   *
*                                            *
*  Overflow Structure -  Standpipe           *
*  DIAM= 48 in   STANDPIPE ELEV= 608.8       *
*                                            *
**********************************************
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GLENMARO 25YR EAST 9-2-95 SUBMITTAL DATE:

MIN	INFLOW	STORAGE	OUTFLOW	NET DET.	ELEV.
1	324.69	324.6[illegible]	0.00	324.69	604.06
2	649.37	974.06	1.74	972.32	604.18
3	974.06	1946.38	9.02	1937.36	604.36
4	1298.74	3236.10	25.37	3210.73	604.60
5	1623.43	4834.16	54.13	4780.03	604.89
6	1948.11	6728.14	98.34	6629.81	605.24
7	2272.80	8902.60	160.63	8741.98	605.63
8	2272.80	11014.78	243.22	10771.56	606.00
9	2272.80	13044.36	409.76	12634.60	606.24
10	2272.80	14907.40	451.15	14456.25	606.48
11	2272.80	16729.05	488.25	16240.80	606.71
12	2272.80	18513.60	522.03	17991.57	606.93
13	2272.80	20264.3[illegible]	553.18	19711.19	607.16
14	2272.80	21983.9[illegible]	582.16	21401.83	607.37
15	2272.80	23674.6	609.30	23065.34	607.59
16	2272.80	25338.14	634.87	24703.27	607.80
17	2272.80	26976.07	659.09	26316.98	608.00
18	2272.80	28589.79	681.93	27907.85	608.15
19	2272.80	30180.65	698.04	29482.61	608.30
20	2272.80	31755.41	713.63	31041.78	608.45
21	1948.11	32989.9[illegible]	728.73	32261.16	608.56
22	1623.43	33884.59	740.34	33144.26	608.65
23	1298.74	34443.01	748.62	33694.38	608.70
24	974.06	34668.49	753.74	33914.70	608.72
25	649.37	34564.0[illegible]	755.78	33808.29	608.71
26	324.69	34132.9[illegible]	754.79	33378.18	608.67
27	0.00	33378.12	750.80	32627.38	608.60

PEAK OUTFLOW= 12.6 CFS AT 25 [illegible]INUTES

Inflow = 37.88
outflow - 12.60
25.28 (stored)

ELEVATION	AREA	VOLUME	CUM. VOLUME
604.00	4069		
		10734	10734
606.00	6665		
		15538	26272
608.00	8873		
		21270	47542
610.00	12397		

```
*****************************************
*                                       *
* RECTANGULAR ORIFICE                   *
*  9 in W X 21 in H   ELEV= 604         *
*                                       *
* Outlet Pipe -  42.41 ft - 30 in pipe  *
* UFL= 604.02  LFL= 603.6   n= .013     *
*                                       *
* Overflow Structure -  Standpipe       *
* DIAM= 48 in   STANDPIPE ELEV= 608.8   *
*                                       *
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GLENMARD 100YR EAST 9-2-95 SUBMITTAL DATE:

MIN	INFLOW	STORAGE	OUTFLOW	NET DET.	ELEV.
1	415.37	415.37	0.00	415.37	604.08
2	830.74	1246.11	2.52	1243.59	604.23
3	1246.11	2489.70	13.05	2476.66	604.46
4	1661.49	4138.15	36.68	4101.47	604.76
5	2076.86	6178.33	78.17	6100.16	605.14
6	2492.23	8592.39	141.77	8450.62	605.57
7	2907.60	11358.22	231.16	11127.06	606.05
8	2907.60	14034.66	417.98	13616.68	606.37
9	2907.60	16524.28	471.51	16052.77	606.68
10	2907.60	18960.37	518.58	18441.79	606.99
11	2907.60	21349.39	560.91	20788.47	607.29
12	2907.60	23696.07	599.60	23096.48	607.59
13	2907.60	26004.08	635.34	25368.74	607.88
14	2907.60	28276.34	668.67	27607.67	608.13
15	2907.60	30515.27	695.03	29820.24	608.33
16	2907.60	32727.84	716.93	32010.92	608.54
17	2907.60	34918.52	737.97	34180.55	608.74
18	2907.60	37088.15	758.23	36329.92	608.95
19	2907.60	39237.52	891.90	38345.62	609.14
20	2907.60	41253.22	1205.81	40047.42	609.30
21	2492.23	42539.65	1571.37	40968.29	609.38
22	2076.86	43045.15	1806.07	41239.08	609.41
23	1661.49	42900.56	1873.88	41026.68	609.39
24	1246.11	42272.79	1820.59	40452.21	609.33
25	830.74	41282.95	1664.28	39618.68	609.26
26	415.37	40034.05	1476.76	38557.30	609.16
27	0.00	38557.30	1250.46	37306.85	609.04

PEAK OUTFLOW= 31.23 CFS AT 23 MINUTES