

TO COLORADO RIVER

NOTE: ALL ROADS SHOWN ON THIS DRAWING MAY NOT BE EXISTING. THE ROUTE FOR SITE ACCESS AND DISPOSAL OF MATERIAL SHALL BE VERIFIED BY THE CONTRACTOR.

PROJECT LOCATION MAP

SCALE: 1000 500 0 1000 2000 METER

ABBREVIATIONS AND SYMBOLS

ABT.	ABOUT	GALV.	GALVANIZED	RT.	RIGHT
A.B.C.	AGGREGATE BASE COURSE	G.B.	GRADE BREAK	R/W	RIGHT-OF-WAY
A.C.	ASPHALTIC CONCRETE	HORIZ./H	HORIZONTAL	S-	SLOPE EQUALS
APPROX.	APPROXIMATELY	HT/H	HEIGHT	S.	SOUTH
AVE.	AVENUE	INV.	INVERT	S.C.	SPIRAL TO CURVE
B.C.	BEGINNING-OF-CURVE	L	LENGTH-OF-CURVE	SE	SOUTHEAST
BLVD.	BOULEVARD	L	LENGTH-OF-CURVE	SEC.	SECTION
BOT.	BOTTOM	LT.	LEFT	SHT.	SHEET
CEMT.	CEMENT	MAT'L	MATERIAL	ST.	STREET
CL	CENTERLINE/CONTROL LINE	MAX.	MAXIMUM	ST.	SPIRAL TO TARGET
CL/CLR.	CLEARANCE	MIN.	MINIMUM	STA.	STATION
COMP.	COMPACTED	MISC.	MISCELLANEOUS	STD.	STANDARD
CONC.	CONCRETE	MSL	MEAN SEA LEVEL	STL.	STEEL
CONSTR. JT./C.J.	CONSTRUCTION JOINT	N.	NORTH	SW	SOUTHWEST
COR.	CORNER	NE	NORTHEAST	SYMM.	SYMMETRICAL
C.S.	CURVE TO SPIRAL	N.I.C.	NOT IN CONTRACT	T.C.E.	TEMPORARY CONSTRUCTION EASEMENT
Δ	DEFLECTION ANGLE	NO.	NUMBER	T.H.	TEST HOLE
Δ	SPIRAL DEFLECTION ANGLE	N.T.S.	NOT TO SCALE	T.S.	TANGENT TO SPIRAL
DIA.	DIAMETER	NW	NORTHWEST	TYP.	TYPICAL
DR.	DRIVE	Ø	DIAMETER	V	VERTICAL
E.	EAST	O.C.	ON CENTER	W.	WEST
E.C.	END-OF-CURVE	P.I.	POINT-OF-INTERSECTION		
E.F.	EACH FACE	R	PROPERTY LINE		
EL./ELEV.	ELEVATION	PLS	PROFESSIONAL LAND SURVEYOR		
E.W.	EACH WAY	R	RADIUS		
EXIST.	EXISTING	RD.	ROAD		
F.G.	FINISHED GRADE	R.C.C.	ROLLER COMPACTED CONCRETE		

LEGEND

SYMBOL	DESCRIPTION
x 635.300	EXISTING ELEVATION
* 633.500	FINISHED GRADE ELEVATION
---	CENTERLINE/CONTROL LINE
---	RIGHT-OF-WAY
---	CONSTRUCTION EASEMENT
---	FENCE
---	RAILROAD
---	TOP OF SLOPE
---	TOE OF SLOPE

SURVEY CONTROL MONUMENTS

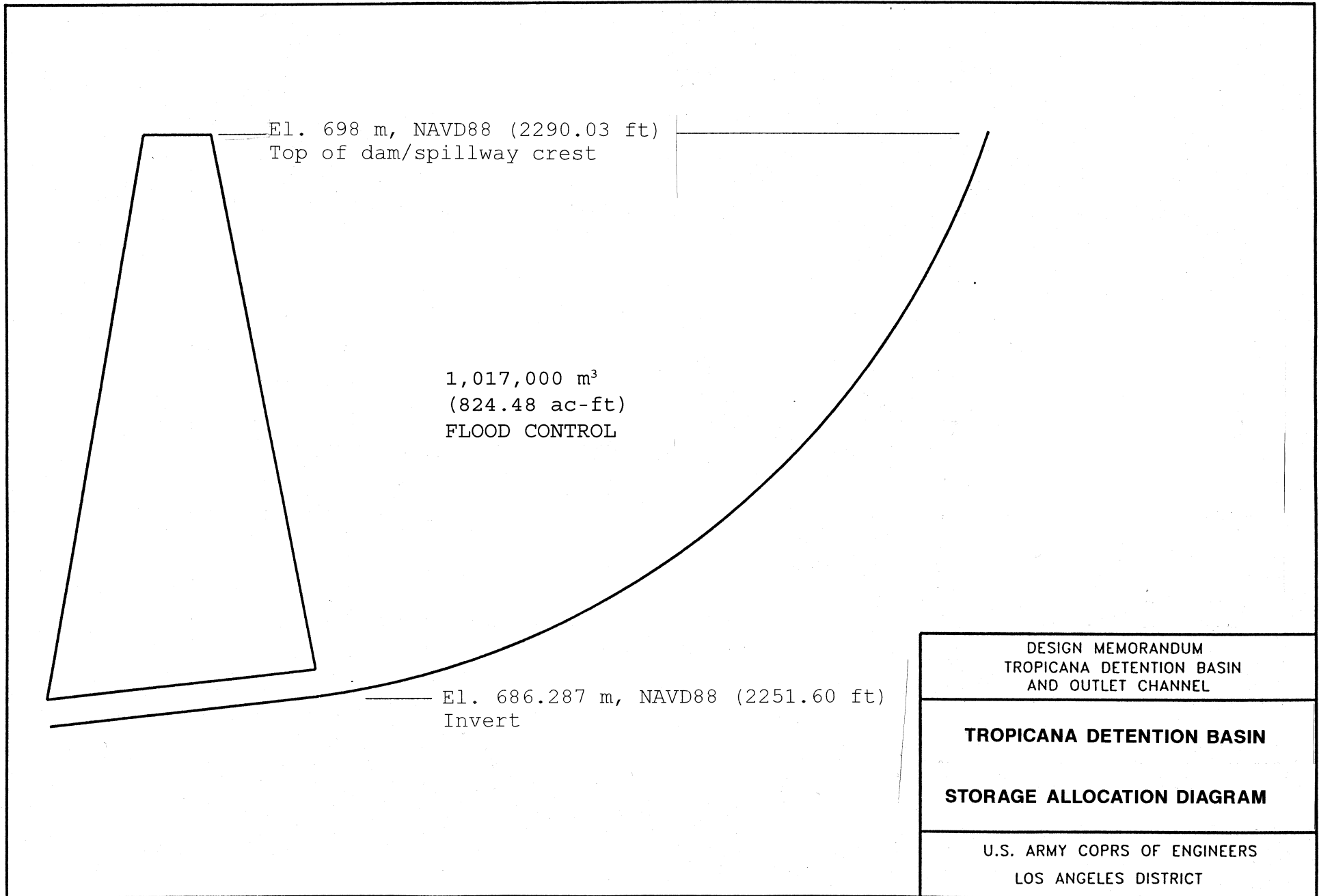
MONUMENT	NORTHING	EASTING	ELEVATION	DESCRIPTION
SEC. COR. 25/30 36/31	8 148 315.927	233 810.237	697.191	0.076 BLM BRASS DISK LOCATED AT DECATUR BLVD. AND RUSSELL RD., 19.812 SE OF A POWER POLE AND 15.24 N. AND W. OF A STORM DRAIN AND 25.908 W. OF END A.C. PAVEMENT.
N 1/16 COR. 36/31	8 147 910.821	233 812.294	700.200	ALUMINUM CAP PLS 9041 LOCATED AT DECATUR BLVD. AND OQUENDO RD., 9.144 NE OF A WATER VALVE AND 30.480 NW OF A 0.600X1.220 POST.
1/4 COR. 36/31	8 147 505.688	233 814.297	703.013	0.050 BRASS CAP IN CONCRETE, PLS 6015, LOCATED AT DECATUR BLVD AND PATRICK LANE.
NW 1/16 COR. SEC. 31	8 147 911.673	234 178.040	698.127	ROD AND CAP, PLS 9047, LOCATED AT CAMERON ST. AND OQUENDO RD.
W 1/16 COR. SEC. 31	8 147 507.030	234 179.809	697.486	ROD AND CAP, PLS 9047, LOCATED AT CAMERON ST. AND PATRICK LANE.
SW 1/16 COR. SEC. 31	8 147 102.430	234 181.527	703.301	0.040 ALUMINUM CAP PLS 9047, LOCATED AT CAMERON ST. AND OQUENDO RD., 0.076 EAST OF DIRT ROAD EDGE AND 0.120 BELOW GROUND LEVEL.
1/4 COR. 30/31	8 148 316.737	234 595.948	686.157	0.050 BRASS CAP MON. PLS 7004, LOCATED AT ARVILLE ST. AND RUSSELL RD., 26.520 SW OF A LIGHT POLE, 26.520 SE OF A POWER POLE AND 25.910 NW OF A LIGHT POLE.
N 1/16 COR. SEC. 31	8 147 912.634	234 596.369	693.746	REBAR WITH PLASTIC CAP, PLS 4046, LOCATED AT ARVILLE ST. AND OQUENDO RD., 67.06 WEST OF RAILROAD.
CEN 1/4 COR. SEC. 31	8 147 508.520	234 596.804	697.310	0.076 BLM CAP LOCATED AT ARVILLE ST. AND PATRICK LANE ON AN EARTHEN MOUND 10.670 WEST OF RAILROAD.

AS BUILT

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CHECKED BY: G. DAVIS	CORPS OF ENGINEERS	
CADD FILE NAME: TROP-2.DGN		
SHEET 2 OF 44		
DISTRICT FILE NO: 186/161		
SYMBOL	DESCRIPTIONS	REVISIONS
DATE		
APPROVAL		

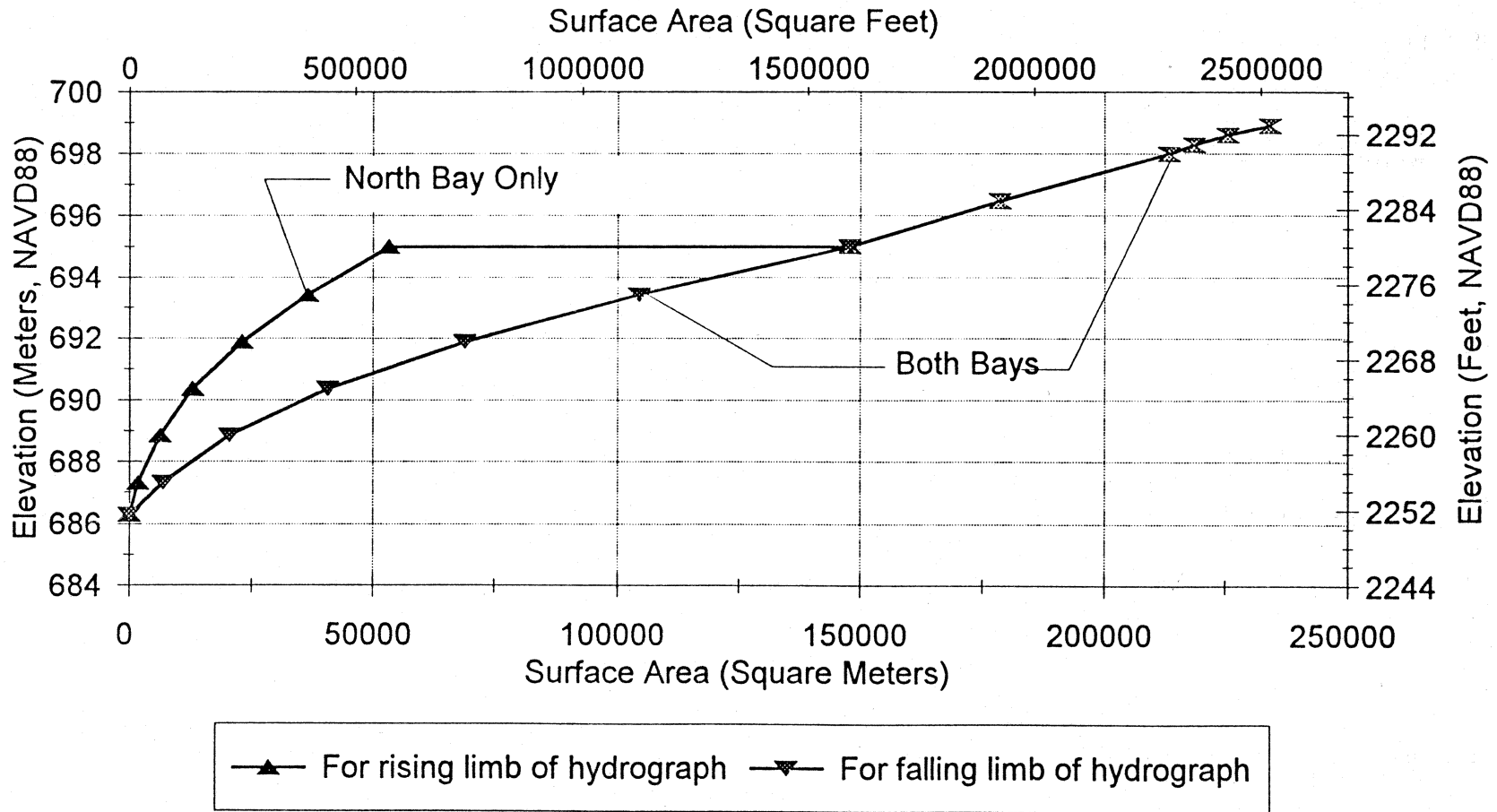
Plates 3a -17 are not currently available.

For additional information, please contact the Los Angeles District Public Affairs Office at (213) 452-3908.

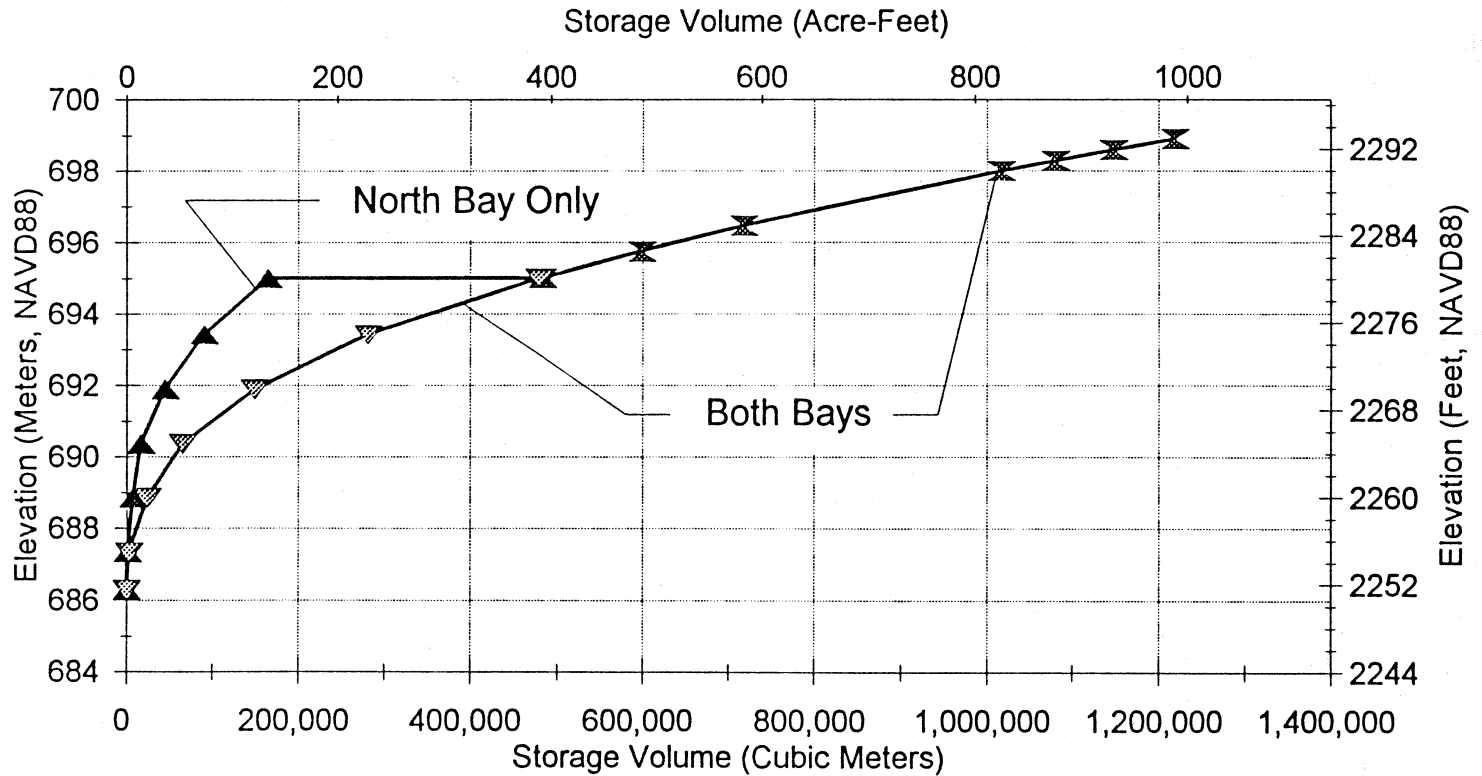


DESIGN MEMORANDUM TROPICANA DETENTION BASIN AND OUTLET CHANNEL
TROPICANA DETENTION BASIN
STORAGE ALLOCATION DIAGRAM
U.S. ARMY COPRS OF ENGINEERS LOS ANGELES DISTRICT

TROPICANA DETENTION BASIN
SURFACE AREA VS. ELEVATION CURVES



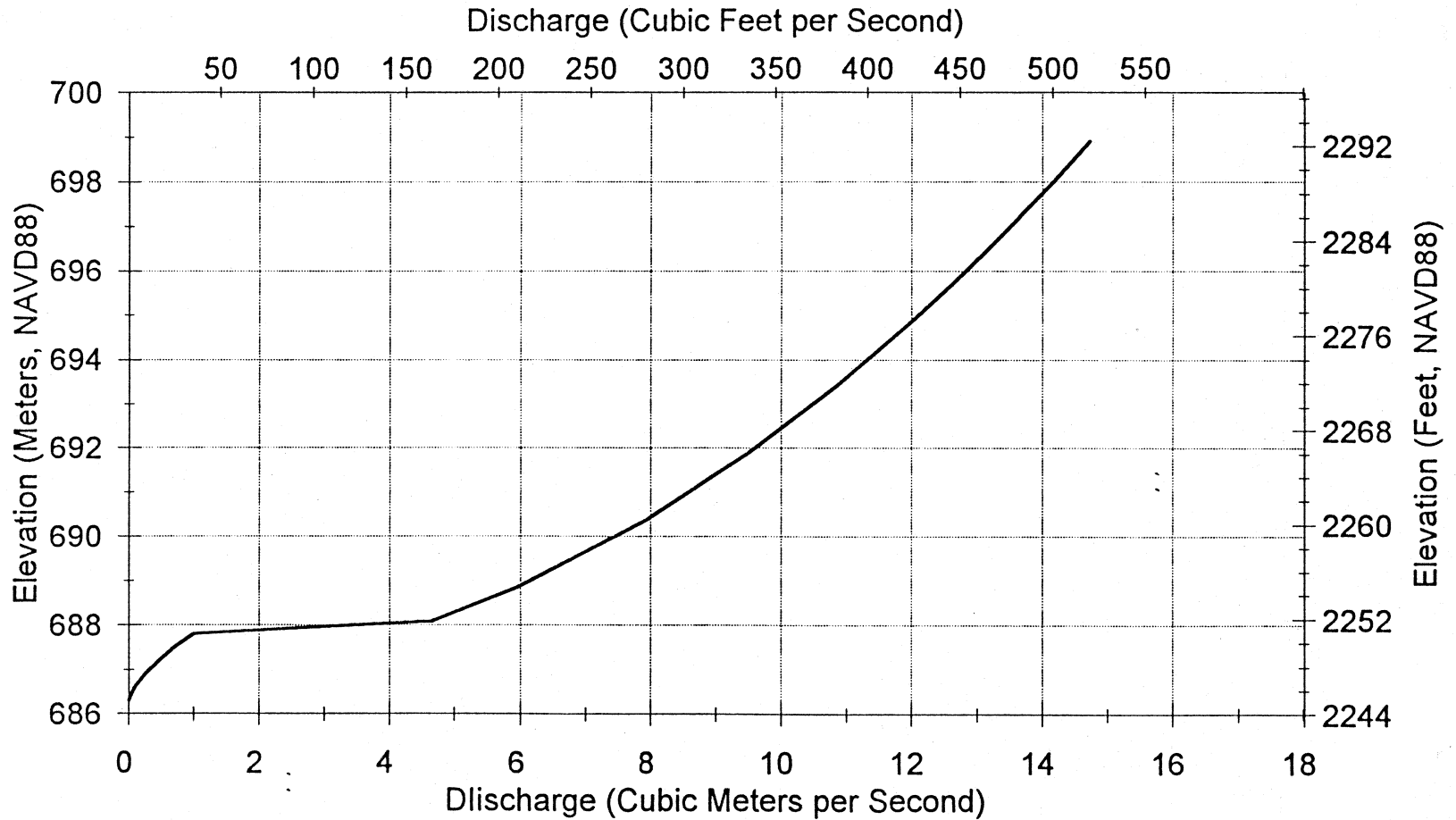
TROPICANA DETENTION BASIN STORAGE VOLUME VS. ELEVATION CURVES



For rising limb of hydrograph

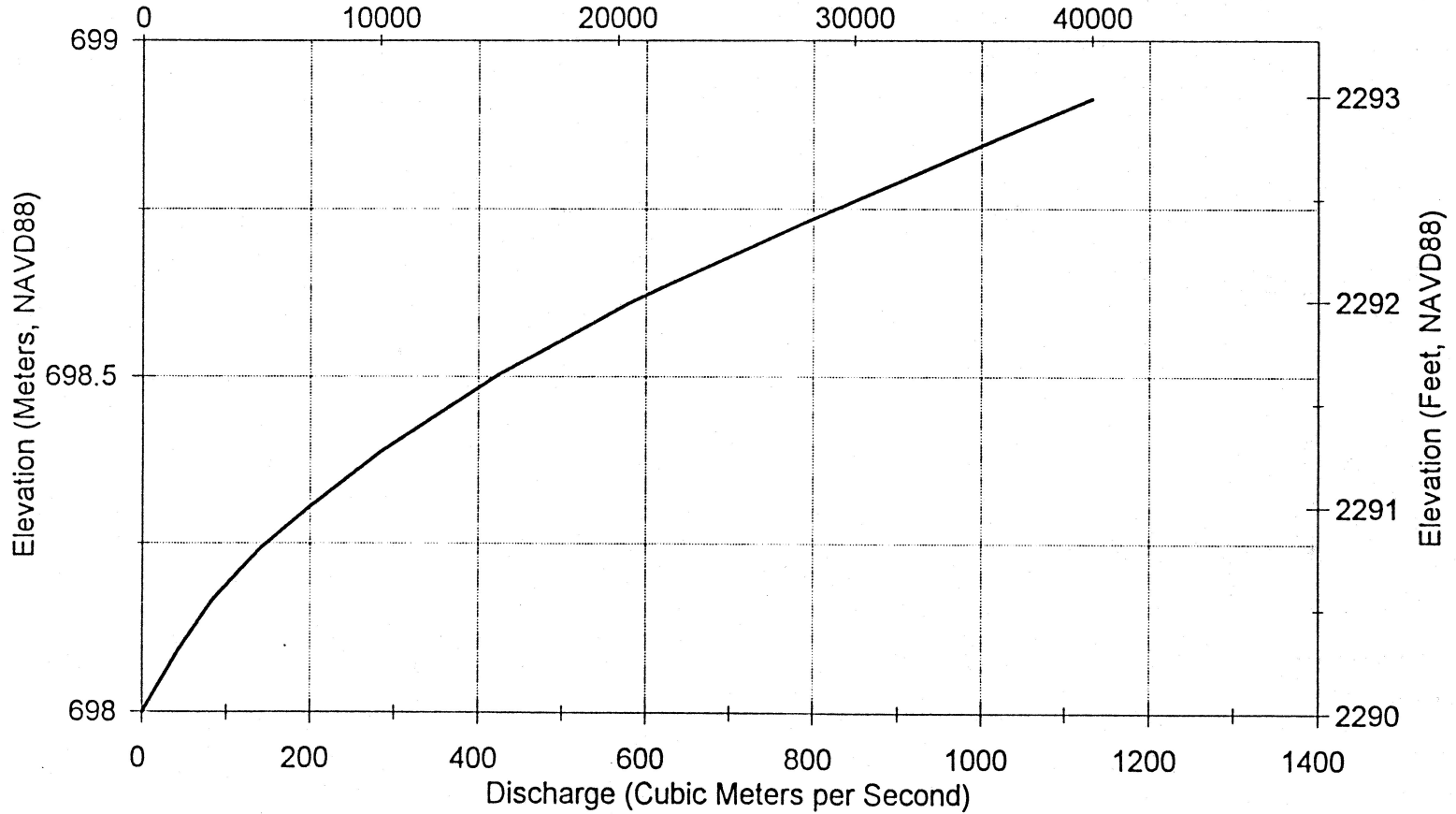
 For falling limb of hydrograph

TROPICANA DETENTION BASIN
OUTLET DISCHARGE CURVE

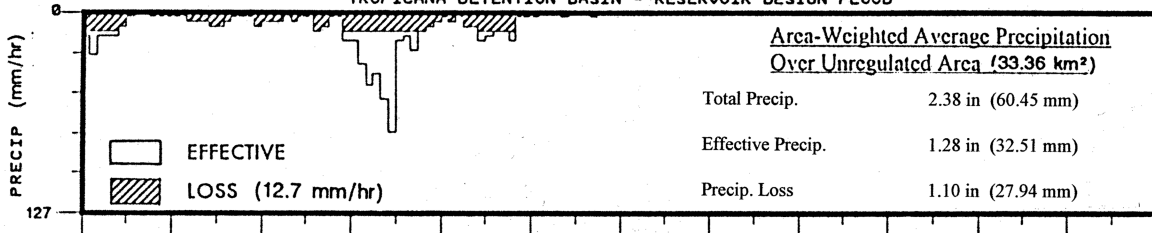


TROPICANA DETENTION BASIN SPILLWAY RATING CURVE

Discharge (Cubic Feet per Second)

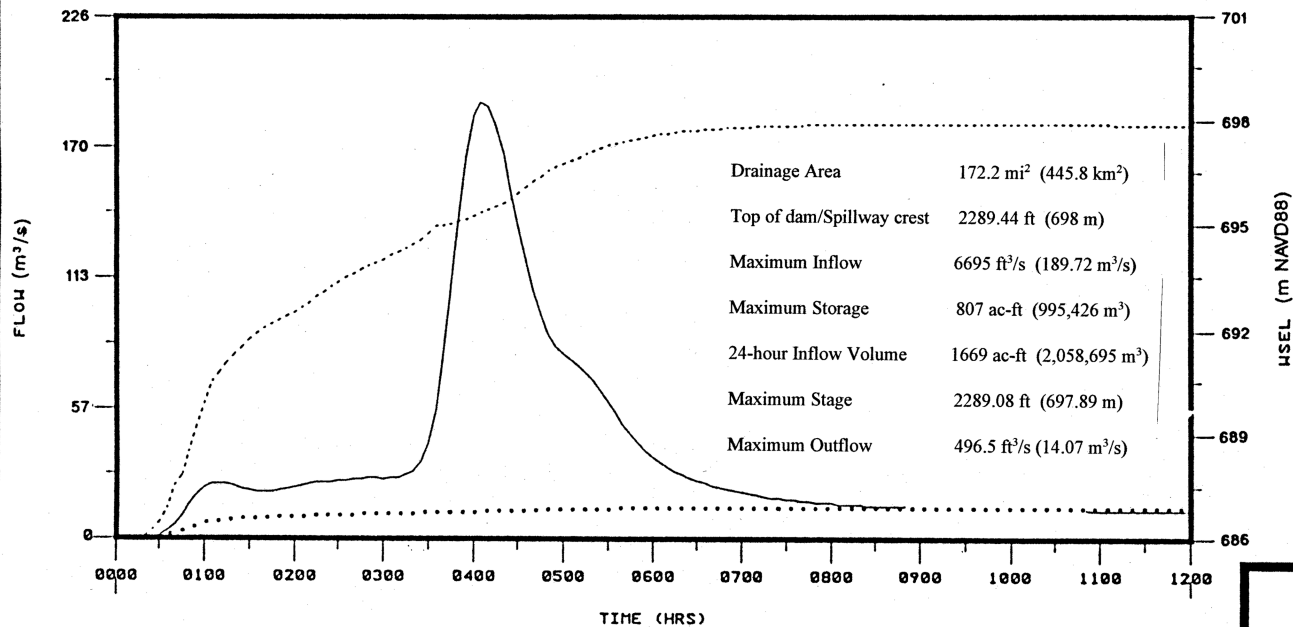


TROPICANA DETENTION BASIN - RESERVOIR DESIGN FLOOD



Area-Weighted Average Precipitation
Over Unregulated Area (39.36 km²)

Total Precip.	2.38 in (60.45 mm)
Effective Precip.	1.28 in (32.51 mm)
Precip. Loss	1.10 in (27.94 mm)



Drainage Area	172.2 mi ² (445.8 km ²)
Top of dam/Spillway crest	2289.44 ft (698 m)
Maximum Inflow	6695 ft ³ /s (189.72 m ³ /s)
Maximum Storage	807 ac-ft (995,426 m ³)
24-hour Inflow Volume	1669 ac-ft (2,058,695 m ³)
Maximum Stage	2289.08 ft (697.89 m)
Maximum Outflow	496.5 ft ³ /s (14.07 m ³ /s)

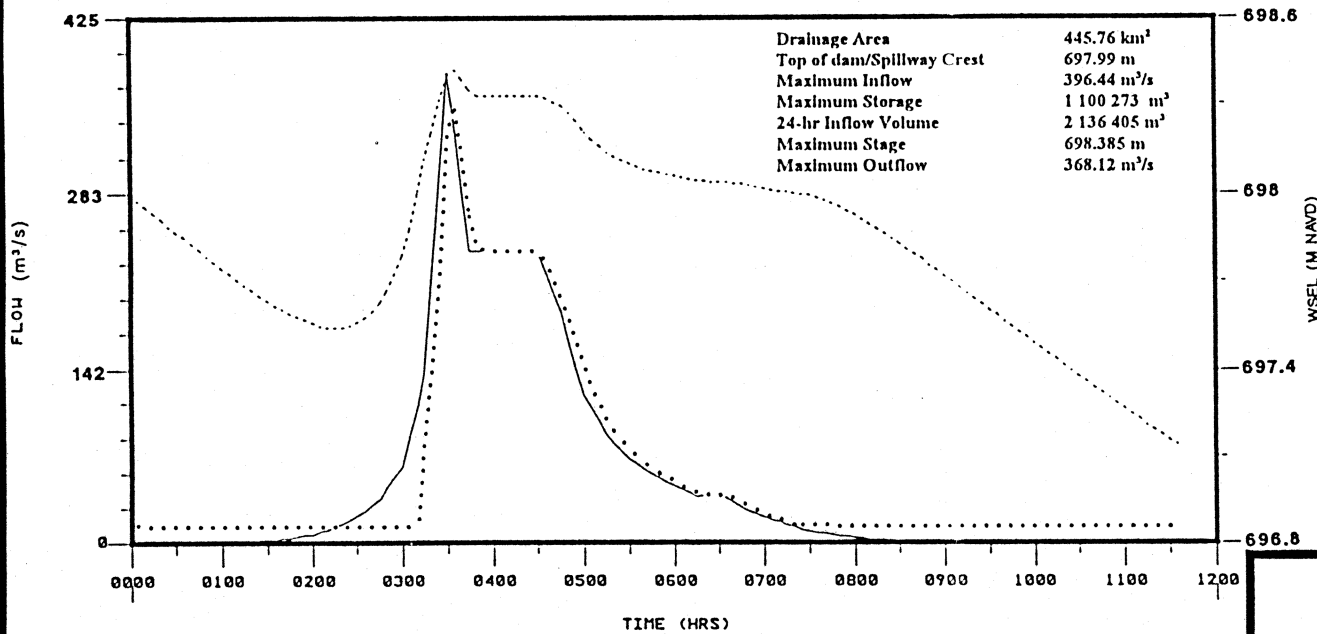
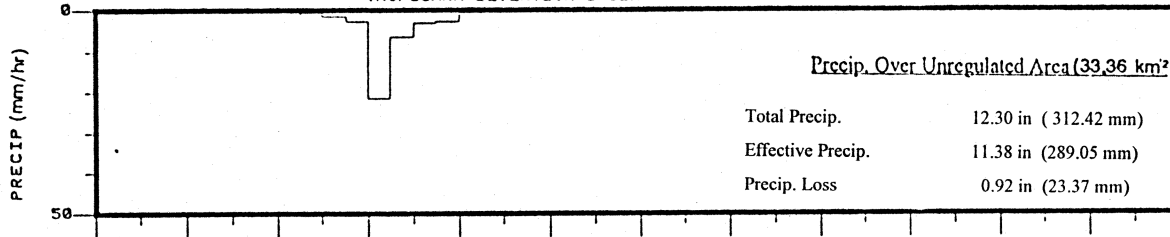
— INFLOW
 OUTFLOW
 - - - - - WATER SURFACE ELEVATION
 VERTICAL SCALE ROUNDED

DESIGN MEMORANDUM
 TROPICANA DETENTION BASIN
 AND OUTLET CHANNEL

 RESERVOIR DESIGN FLOOD
 BASIN HYETOGRAPH &
 INFLOW, OUTFLOW, AND STAGE
 HYDROGRAPHS

 U.S. ARMY CORPS OF ENGINEERS
 LOS ANGELES DISTRICT

TROPICANA DETENTION BASIN - PROBABLE MAXIMUM FLOOD



Drainage Area	172.2 mi ² (445.8 km ²)
Top of dam/Spillway crest	2289.44 ft (698 m)
Maximum Inflow	13,973.9 ft ³ /s (396 m ³ /s)
Maximum Storage	892 ac-ft (1,100,273 m ³)
24-hour Inflow Volume	1731.99 ac-ft (2,136,405 m ³)
Maximum Stage	2290.75 ft (698.40 m)
Maximum Outflow	12,985.8 ft ³ /s (368 m ³ /s)

——— INFLOW
 OUTFLOW
 - - - - - WATER SURFACE ELEVATION

DESIGN MEMORANDUM
 TROPICANA DETENTION BASIN
 AND OUTLET CHANNEL

PROBABLE MAXIMUM FLOOD
BASIN HYETOGRAPH &
INFLOW, OUTFLOW, AND STAGE
HYDROGRAPHS

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