Notes Ck'd by E. DUVERNAY	Survey of Castaic Lake Main Res.
Map No.	JN [illegible] Tape Std °F
Office Work	Surveyed by
Checked	Notes Date
Date 10/22/75	Indexed G. D. [illegible]

F.B. 4359 PG. 5

J.N. 6600.17

CASTAIC LAKE

MAIN RESERVOIR

PHASE I

Site #3

& Lake Hughes Rd.

See pg# 21 for Cross-Sections

from: Sta. 105+00

to: Sta. 115+00

Burkholder

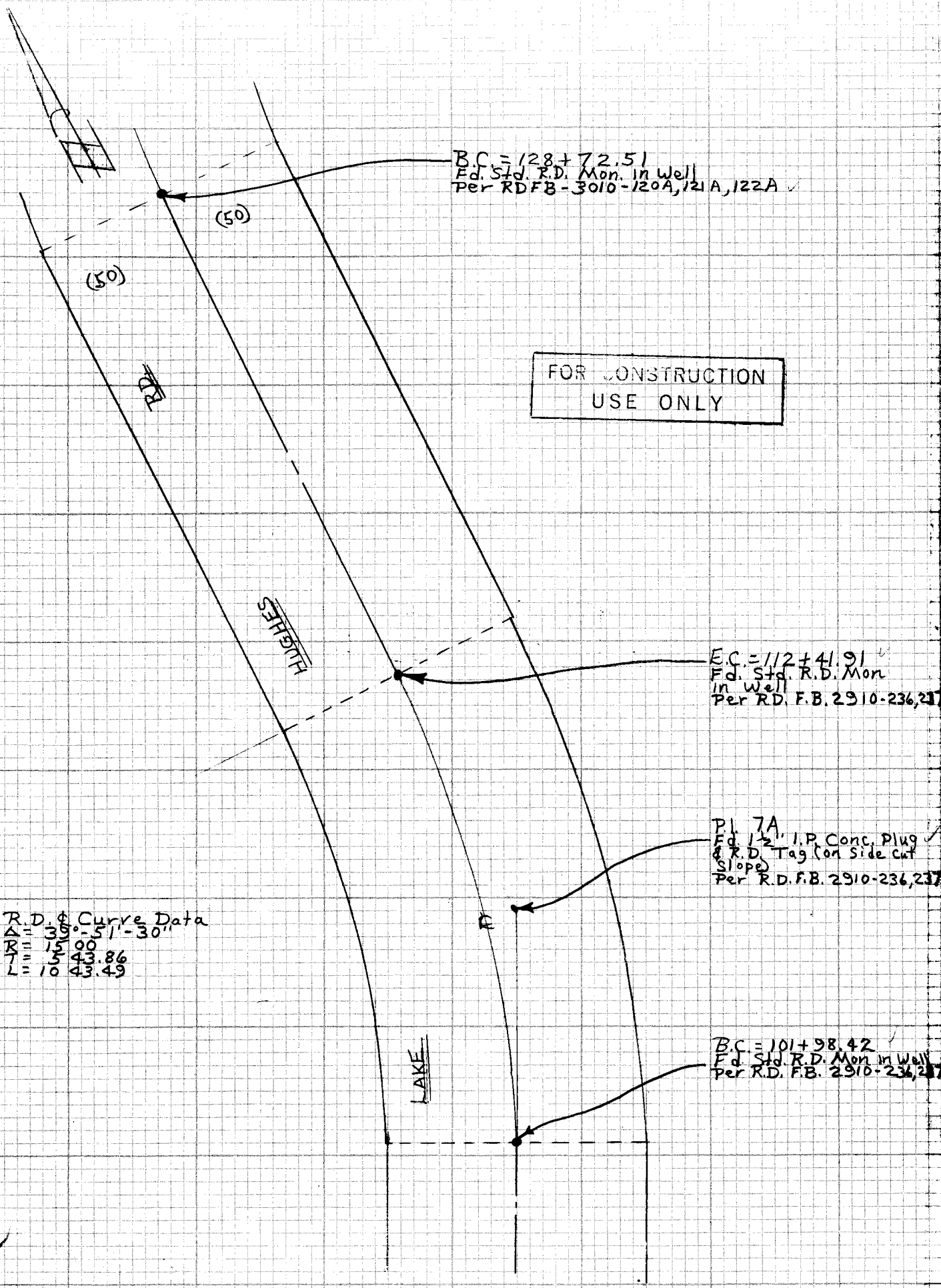
L. Jones

R.R. Rodriguez

FOR CONSTRUCTION USE ONLY

Microfilmed 10-9-84

F.B. 4359 PG. 6



FOR CONSTRUCTION USE ONLY

R.D. & Curve Data
Δ = 39°-51'-30"
R = 1500
T = 543.86
L = 1043.49

Notes Ck'd by E. DUVERNAY	Survey of Castaic Lake Main Reservoir F.B. 4359 PG. 7
Map No.	JN 6600.17 Tape Std °F
Office Work	Surveyed by Burkholder
Checked	Notes D.L.B. Date 9-18-75
Date 10/22/75	Indexed G.D. BAILEY OCT 21 75

J.N. 6600.17

CASTAIC LAKE
MAIN RESERVOIR
PHASE I

Site # 1
& Lake Hughes Rd.

See pg #25 for Cross-Sections

from: Sta 149+00
to: Sta 157+00

Burkholder
L. Jones
R.R. Rodriguez

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USE ONLY

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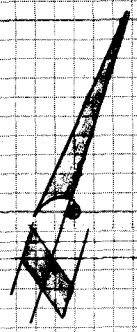
400 LOS ANGELES COUNTY ENGINEERING BLDG.

CENTERLINE NOTES
CE 310
76F 3095 4/73

F.B. 4359 PG. 8



(50) (50)

P.O.T. = 149+00.00
Fd. Std. R.D. Mon. in well
Per R.D. F.B. 3010-125A

℄

RD.

HUGHES

LAKE

B.C. = 166+76.28
Fd. Std. R.D. Mon.
in well
Per R.D. F.B. 3011-153A, 154A

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CE 310
76F3095-4/73

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WS 7 B-4

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Notes Ck'd by E. DUVERNAY	Survey of Castaic Lake Main Reservoir F.B. 4359 PG. 9
Map No.	JN 6600.17 Tape 0269 Std 68 °F
Office Work	Surveyed by Burkholder
Checked	Notes D.L.B. Date 9-75
Date 10/22/75	Indexed G.D. BAILEY 10 21 75

J.N. 6600.17

CASTAIC LAKE

MAIN RESERVOIR

PHASE I

Site # 2

℄ Lake Hughes Rd.

See pg# 29 for Cross-Sections

from: Sta 219+50

to : Sta 231+50

Burkholder

L. Jones

R.R. Rodriguez

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CENTERLINE NOTES CE 310 76F3095 4/73

F.B. 4359 PG. 10

To Bot pg #11

RD & Curve Data
Δ = 220-20-58
R = 1000
T = 197.55
L = 390.07

(50)

(50)

RD

BC = 224+76.97
Ed. Std RD Mon. In Well
Per RD F.B. 3011-176A

℄

EC = 220+19.14
Ed. Std RD Mon in well
Per RD F.B. 3011-174A, 175A

FOR CONSTRUCTION
USE ONLY

HUGHES

Long Chord

RD & Curve Data
Δ = 330-32-17
R = 800
T = 256.37
L = 456.20

LAKE

BC = 215+22.94
Ed. Std RD Mon in well
Per RD F.B. 3011-172A, 173A

CE 310
76F3095-4/73

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WS 77B-4

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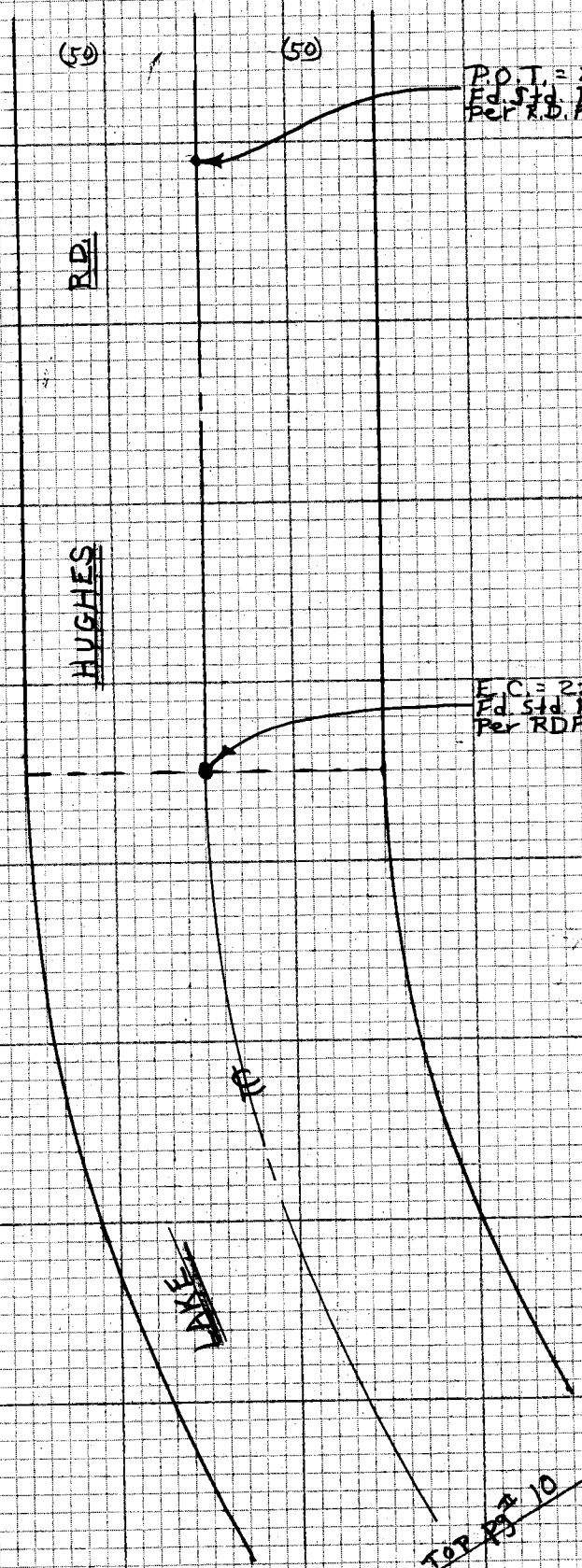
NAME OF PERSON MAKING CHANGE

Notes Ck'd by E. DUVERNAY
Map No.
Office Work
Checked
Date 10/22/75

Survey of Castaic Lake Main Reservoir
JN 6600.17 Tape Std °F
Surveyed by Burkholder
Notes D.L.B. Date 9-17-75
Indexed G. D. BAILEY OCT 21 75

F.B. 4359 PG 11



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W.S. 77 0-4

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CE 310
76F-3095-4/73

F.B. 4359 PG. 12

Blank

CE 310
76F 3095-4/73

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Notes Ck'd by E. DUVERNAY	Survey of Castaic Lake Main Reservoir
Map No.	JN 6600.17 Tape 0264 Std 68 °F
Office Work	Surveyed by Burkholder
Checked	Notes D.L.B. Date 9-12-75
Date 10/27/75	Indexed G. D. BAILEY 21

F.B. 4359 PG. 13

J.N. 6600.17

CASTAIC LAKE

MAIN RESERVOIR

Phase I

Site # 11

℄ Lake Hughes Rd.

from: Sta 331+35.37

to: Sta 344+00

Cross-Sections pg # 34

Burkholder

L. Jones

R.R. Rodriguez

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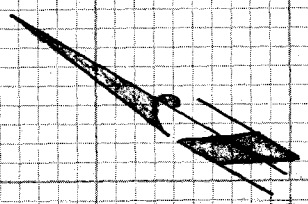
CENTERLINE NOTES
CE 310
76F3095-4/73

F.B. 4359 PG. 14



962.64 Lev. T=78° = 962.74

462.79 Lev. T=78° = 462.82

195.74 Lev. T=76° = 195.75

631.61 Lev. T=74° = 631.63

(50)

(50)

BC = 353+62.97
Fd. Std. RD Mon. in Well, Per RD. F.B. 3112-174B.

962.97 R
962.74 M

RD

Wiggle pt
344+00 = P.O.T
Set Sq. hd. Spk & T

462.82

Equation.
339+62.75 Bk =
339+37.18 Ahd.
Fd. Nothing
Set Conc Nail Rec.
Dist. (827.38) from
EC (331+35.37)
Per F.M. 212.63-5
R.D.M. 31.29

HUGHES

195.75

Prop. ℄ Int. = 337+67.00
Set Bf. Spk W&T

631.63

LAKE

E.C. = 331+35.37
Fd. Std. RD. Mon in well
Per RD F.B. 3112-170A, 171A, 172A

FOR CONSTRUCTION USE ONLY

CE 310
76F3095-4/73

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WS 77-3 44

NOTES RED. _____ JOB NO. 6600.17 SURVEY OF Castaic Lake Main Res. F.B. 4359 PG. 15

DATE _____ SURVEY BY Burkholder

NOTES CHKD. ~~J.E. DUVERNAY~~ NOTES BY D.L.B. DATE 9-

DATE 10/22/75 INDEXED G. D. BAILEY DATE 10 21 75

STATION	B.S.	H.I.	F.S.	ELEV.

J.N. 6600.17

CASTAIC LAKE
MAIN RESERVOIR

PHASE I

Bench Levels for
Site # 3, pg 16 & 17
Site # 1 pg 18 & 19
Site # 2 BM-16A, RD F.B. 3011-183, 184
BM-19A, RD F.B. 3011-185
Site # 11 pg 19 & 20

Burkholder
L. Jones
R.R. Rodriguez

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PROFILE LEVEL NOTES
CE 307
76-L-298-4/73

F.B. 4359 PG. 16

JOB NO. 6600.17 SURVEY OF Castaic Lake Main Res. NOTES RED.
SURVEY BY Buckholder DATE
NOTES BY D.L.B. DATE 9-75 NOTES CHKD DUVERNAY
INDEXED G.D. BAILEY DATE 10/21/75 DATE 10/22/75

STATION	B.S.	H.I.	F.S.	ELEV.	
BM P-11A				1819 673	BM P-11A, Newhall Quad. 1958 Adj. = 1819.673
	0 570	1820 243			Lake Hughes Rd. & Sta. 133+00, 118± Rt.
TP			11 424	1808 819	0± & on side slope, 1½" I.P. Conc. Plug &
	0 557	1809 376			R.D. Tag Mkd "P-11A", Per RDF.B. 3010-43,44
TP			10 762	1798 614	
	2 533	1801 207			
(Fd) Constr. BM #47			10 753	1790 454 (505)	Constr. BM #47, El. = 1790.505, Lake Hughes Rd.
	1 204	1791 658			& Sta. 133+00, 52± Rt. &, 3½" Nail, RD.F.B.
(Set) TBM #1			8 779	1782 879 (877)	Lake Hughes Rd. & Sta. 132+50, Std. R.D. Mon. in
	0 833	1783 712			well on &. RD.F.B. 3010-120A, 121A, 122A.
TP			11 671	1772 041	
	1 081	1773 122			
TP			11 051	1762 071	
	0 737	1762 808			
TP			11 560	1751 248	
	0 814	1752 062			
TP			11 120	1740 942	
	0 243	1741 185			
TP			11 407	1729 778	
	0 342	1730 120			
TP			11 148	1718 972	
	0 641	1719 613			
TP			11 063	1708 550	
	0 889	1709 439			
TP			11 119	1698 320	
	0 199	1698 519			
TP			11 239	1687 280	
	0 268	1687 548			
TP			10 598	1676 950	
	0 342	1677 292			
TP			10 302	1666 990	
	0 410	1667 400			
TP			11 259	1656 141	
	1 920	1658 061			TBM #2 Lake Hughes Rd. & Sta. 114+50, 55± Lt.
(Set) TBM 2			1 231	1656 830 (801)	Sq. hd. Spk. in P.P. #1735977E.
	1 060	1657 890			
TP			11 048	1646 842	
	1 582	1648 424			
(Set) TBM 3			7 151	1641 673 (240)	TBM. Lake Hughes Rd. & Sta. 112+41.91, A Std. R.D.
					Mon. in H.H. on & E.C. R.D.F.B.

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76-L-298-CE 307-4/73

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NOTES RED. _____ JOB NO. 6600.17 SURVEY OF Castaic Lake Main Res. F.B. 4359 PG. 17

DATE _____ SURVEY BY Burkholder

NOTES CHK. DUVERNAY NOTES BY D.L.B. DATE 9-75

DATE 10/22/75 INDEXED R.D. BAILEY DATE OCT 21 75

STATION	B.S.	H.I.	F.S.	ELEV.	
(BOD) TBM. # 3				1641 ~~273~~ 240	TBM. # 3, Pg. # 16
	10 368	1651 641			
TP			0 710	1650 931	
	10 682	1661 613			
TP			0 508	1661 105	
	11 275	1672 380			
TP			0 577	1671 803	
	10 818	1682 621			
TP			0 796	1681 831	
	11 785	1693 616			
TP			0 404	1693 212	
	11 781	1704 998			
TP			0 527	1704 466	
	11 862	1716 328			
TP			0 495	1715 833	
	11 888	1727 721			
TP			0 532	1727 189	
	10 510	1737 699			
TP			0 375	1737 324	
	11 898	1749 222			
TP			0 628	1748 594	
	11 797	1760 391			
TP			0 496	1759 895	
	10 911	1770 806			
TP			0 292	1770 514	
	10 712	1781 226			
TP			0 356	1780 870	
	11 822	1792 692			
BM # 47			2 168	1790 ~~524~~ 461	
	10 557	1801 081			
TP			2 950	1798 131	
	10 737	1808 868			
TP			2 029	1806 839	
	11 427	1818 266			
TP			4 104	1814 162	
	6 199	1820 361			BM. P-11A, Newhall Quad 1958 Adj. El. = 1819.673
(BOD) BM P-11A			0 617	1819 ~~744~~ 673	Lake Hughes Rd. & Sta 133+90, 118± Rt. of ℄ on Side Slope, 1½" I.P. & Conc Plug & R.D. Tag Mkd. "P-11A"

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PROFILE LEVEL NOTES
CE 307
76-L-298-4/73

F.B. 4359 PG. 18

JOB NO. 6600.17 SURVEY OF Castaic Lake Main Res. NOTES RED. 182460 JO

SURVEY BY Burkholder DATE

NOTES BY D.L.B. DATE 9-75 NOTES CHKD E. DUVERNAY

INDEXED G.D. BAILEY DATE 8 21 75 DATE 10/22/75

STATION	B.S.	H.I.	F.S.	ELEV.	
TBM #1				1782 877/879	TBM #1, El. = 1782.878, F.B. 4359-17, Lake Hughes Rd. & Sta 132+50, Std. R.D. Mon in well on ℄
	11 849	1794 728			
℞			0 554	1794 174	R.D. F.B. 2910-120A, 121A, 122A.
	10 960	1805 134			
℞			0 710	1804 424	
	11 308	1815 732			
℞			0 438	1815 294	
	8 282	1823 576			
set TBM #4			1 457	1822 119/121	TBM #4, Lake Hughes Rd. & Sta 137+20.00 A std. R.D. Mon in well on ℄
	10 398	1832 577			
℞			0 302	1832 215	
	10 813	1843 028			
℞			0 552	1842 476	
	11 239	1853 715			
℞			0 367	1853 348	
	11 896	1865 238			
℞			0 559	1864 679	
	11 113	1875 792			
℞			0 687	1875 105	
	11 772	1886 877			
℞			0 393	1886 484	
	11 126	1897 610			
℞			0 531	1897 079	
	10 698	1907 777			
℞			0 422	1907 355	
	11 918	1919 273			
set TBM #5			0 982	1918 299/291	TBM #5, El. = 1918.299 Lake Hughes Rd. & Sta 149+00, A std. R.D. Mon. in well on ℄
	10 461	1928 752			
℞			1 630	1927 122	
	7 870	1934 992			
set TBM #6			1 882	1933 119/110	TBM #6 El. = 1933.119 Lake Hughes Rd. & Sta 152+60± (So. Side) @ entrance to New Visitors Center, Pk in Rd. in w'ly ob. of 2 Lane entrance Rd. 5' So. of C.R.
	7 254	1940 364			
℞			4 688	1935 676	
	6 130	1941 806			
℞			3 284	1938 522	
	8 945	1947 467			
℞			0 363	1947 104	
	9 899	1957 003			
℞			0 459	1956 544	

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NOTES RED. _____ JOB NO. 6600.17 SURVEY OF Castaic Lake Main Res | F.B. 4359 PG. 19

DATE _____ SURVEY BY Burkhalder

NOTES CHKD E. DUVERNAY NOTES BY D. L. B. DATE 9-75

DATE 10/22/76 INDEXED G. D. BAILEY DATE OCT 21 76

STATION	B.S.	H.I.	F.S.	ELEV.	
R				1956 544	Fg # 18
	9 862	1966 406			
R			0 570	1965 836	
	10 454	1976 290			
R			0 365	1975 925	
	10 635	1986 560			
R			0 596	1985 964	
	10 681	1996 645			
set TBM # 7			3 043	1993 615 602	TBM # 7 El. = 1993.615 Lake Hughes Rd. & Sta.
	11 803	2005 405			166+76.28 A. std. R.D. Mon. in well on ℄ B.C.
(rd) BM 5A			4 248	2001 171 +57	BM-5A Newhall Quad. 1958 Adj. El. = 2001.171
					Lake Hughes Rd. & Sta. 166+76.28, 46.10 Rt.
					of ℄, A 2x2 & Nail, Per R.D. F.B. 3011-169,170
(rd) BM # 33				2058.045	BM # 33, Newhall Quad 1958 Adj. El. = 2058.045
	1 129	2059 174			Lake Hughes Rd. & Sta. 320+00, A 1½" I.P.
R			10 408	2048 766	Wood Plug & BN 2" up, 63± Rt. of ℄.
	1 076	2049 842			Per R.D. F.B. 3112-122
R			10 921	2038 921	
	0 282	2039 203			
R			11 187	2028 016	
	0 284	2028 300			
R			10 542	2017 758	
	1 230	2018 988			
R			8 289	2010 699	
	3 627	2014 326			
R			7 170	2007 156	
	4 748	2011 904			
set TBM # 8			8 297	2003 611 607	TBM # 8, El. = 2003.611 Lake Hughes Rd.
	4 700	2008 307			℄ Sta. 331+35.37, A std R.D. Mon. in well @ ℄ E
R			7 061	2001 246	
	2 992	2004 238			
			4 907	1999 331	
	5 085	2004 416			
set TBM # 9			3 804	2000 618	TBM # 9, El = 2000.618 Lake Hughes Rd.
	6 730	2007 348			℄ Sta. 337+67, A Bt Spk w/ T, on ℄ (F.B. 4359-14
R			1 123	2006 219	

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PROFILE LEVEL NOTES
CE 307
76-L-298-4/73

F.B. 4359 PG. 20

JOB NO. 6602.17 SURVEY OF Castaic Lake Main Res. NOTES RED.
SURVEY BY Burkholder DATE
NOTES BY D.L.B. DATE 10-75 NOTES CHK. DUVERNOY
INDEXED G.D. BAILEY DATE 10 21 '75 DATE 10/22/75

STATION	B.S.	H.I.	F.S.	ELEV.	
TP				2006 219	Pg# 19
	7 607	2013 826			
TP			0 940	2012 886	
	5 906	2018 792			
(Fd.) BM 33A			2 814	2015 970	BM 33A, Newhall Quad, 1958 Adj. Elev. = 2015.37
					Lake Hughes Rd. & Sta 343+00, A 2x2 & BN
					49± Rt. of ℄, Per R.D.F.B. 3112-125

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NOTES RED. _____ JOB NO. 6600.17 SURVEY OF CASTAIC LAKE MAIN RESERVOIR F.B. 4359 PG. 21

DATE _____ SURVEY BY BURKHOLDER

NOTES CHKD E. DUVERNAY NOTES BY D.L.B. DATE 10 - 75

DATE 10/22/75 INDEXED G. D. BAILEY DATE OCT 21 '75

STATION	B.S.	H.I.	F.S.	ELEV.

J.N. 6600.17

CASTAIC LAKE

MAIN RESERVOIR

PHASE I

SITE # 3

CROSS SECTION OF LAKE HUGHES RD.

SEE PG# FOR CROSS-SECTIONS

FROM: STA 105+00

TO : STA 115+00

for ℄ See pg# 6

FOR CONSTRUCTION USE ONLY

BURKHOLDER

L. JONES

R.R. RODRIGUEZ

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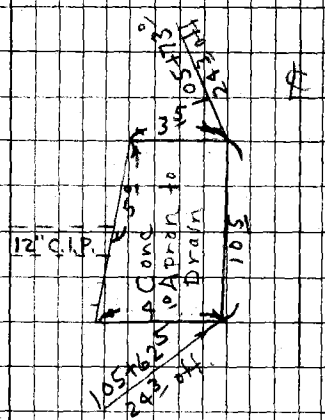
PROFILE LEVEL NOTES
CE 307
76-L-298-4/73

F.B. 4359 PG. 22

JOB NO. 6600.17 SURVEY OF Castaic Lake Main Res. NOTES RED. _____
SURVEY BY Burkholder DATE _____
NOTES BY D.L.B. DATE 10-17-75 NOTES CHKD. E. DUVERNAY
INDEXED G.D. BAILEY DATE 10 21 75 DATE 10/22/75

STATION	B.S.	H.I.	F.S.	ELEV.	Lt. Lake Hughes ℄ Rd.
TBM #2				1656.83	TBM #2, El = 1656.830, F.B. 4359-16
					Lake Hughes Rd. ℄ Sta. 114+50, 55± Lt. of ℄
					Sq. hd. spk in P.P. #1735917E
105+00				1587 14	℄
				86 79	14.3 Edge Pvmt
				85 6	22.5 F.L.
				87 0	32.5 End Fill = Begin cut
				84 6	37.5 Slope
105+48°				90 81	℄
				90 46	14.3 Edge Pvmt.
				89 4	22.5 F.L.
				91 2	32° End Cut = Begin Fill
				90 6	37° Slope
105+62.5				91 26	24.3 Cor. Conc Apron
				91 98	28° Top Cb @ drain
105+68°				90 61	28° 12" C.I.P.
105+73°				91 90	24.3 Cor Conc. Apron
				91 80	28.3 Top Cb.
				91 06	28.3 F.L.
				1593 63	
106+00				94 65	℄
				94 38	14.5 Edge Pvmt.
				93 3	24° F.L.
				95 0	35° End Fill
				93 6	40° Slope
107+00 ⊙				1602 18	℄
				01 86	14.3 Edge Pvmt.
				01 1	22.5 F.L.
				02 9	37.5 Top brk
				02 9	42.5 Slope
108+00				09 74	℄
				09 41	14.5 Edge Pvmt.
				09 0	22.5 F.L.
				1610 0	38° Top brk.
				1610 0	43.5 Slope
				1611 11	



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NOTES RED. _____ JOB NO. 6600.17 SURVEY OF Castaic Lake Main Res

F.B. 4359 PG. 23

DATE _____ SURVEY BY Burkholder

NOTES CHKD. E. DUVERNAY NOTES BY D.L.B. DATE 10/16/25

DATE 10/22/25 INDEXED G. D. BAILEY DATE OCT 21 '25

STATION	B.S.	H.I.	F.S.	ELEV.	Lt Lake Hughes ℄ Rd.
109+00				1617 23	℄
				17 04	14.5 Edge Pvmt.
				16 4	22.0 F.L.
				17 5	37.0 Top brk.
				17 6	42.0 Slope
⊼				1620 03	
110+00				24 73	℄
				24 46	14.8 Edge Pvmt.
				23 7	23.5 F.L.
				25 0	35.5 Top brk.
				24 8	40.5 Slope
110+14.0				25 82	℄
				26 0	42.0 End Fill = begin cut
⊼				1629 15	
111+00				32 23	℄
				31 84	14.5 Edge Pvmt.
				31 2	23.5 F.L.
				32 5	32.5 Bot. Cut
				36 5	37.5 Cut Slope.
⊼				37 84	
111+88.5				38 51	℄
				39 6	34.0 End Cut = Begin Fill
				38 2	Slope.
112+00				39 24	℄
				38 86	14.5 Edge Pvmt.
				38 7	23.0 Brk.
				39 8	28.0 Top Fill
				38 5	33.0 Fill Slope.
112+09.0				39 24	24.5 Cor Apron.
112+15.0				39 77	28.0 Top Cb @ 12" C.I.P.
				38 67	28.0 F.L. 12" C.I.P.
112+25.0				40 12	24.0 Cor Apron
				39 78	26.5 F.L.
				40 31	26.5 Top Cb
112+41.91				41 97	℄
				41 61	14.5 Edge Pvmt.
				40 8	23.0 F.L.
				42 8	31.0 Top Fill
				1641 7	36.0 Fill Slope

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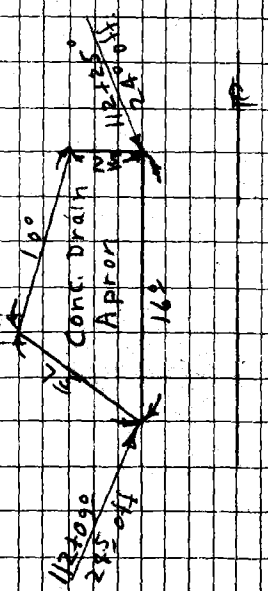

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CE 307
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F.B. 4359 PG. 24

JOB NO. 6600,17 SURVEY OF Castaic Lake Main Res. NOTES RED. _____
SURVEY BY Burkholder DATE _____
NOTES BY D.L.B. DATE 10-17-75 NOTES CHK'D E. DUVERNAY
INDEXED E.D. BAILEY DATE OCT 21 75 DATE 10/22/75

STATION	B.S.	H.I.	F.S.	ELEV.	Lt. Lake Hughes ℄ Rd.
113+00				1645 46	℄
				45 15	15° Edge Prmt.
				~~44 4~~	~~24° F.L.~~
				46 0	33° Top Fill
				44 0	38° Fill Slope
P				1646 65	
113+50				48 27	℄
				47 83	15° Edge Prmt
				47 0	23° F.L.
				48 8	34° Top Fill
				46 7	39° Fill Slope
114+00				50 84	℄
				50 44	14° Edge Prmt.
				49 7	22.5° F.L.
				51 6	32° Top Fill
				50 5	33° Fill Slope
114+18.5				51 93	℄
				51 49	16° Cor Prmt. : F.L.
				51 86	23.5° Cor Prmt.
114+33.5				52 87	℄
				52 36	21° F.L.
				~~53 42~~	~~31° Edge Prmt~~
				54 0	36.5° Top brk.
				52 3	47° Slope
				53 84	℄
				53 34	24° F.L. Prmt.
				55 39	45° Slope Prmt.
P				1654 33	
115+00				56 67	℄
				56 35	24.5° F.L. Prmt.
				57 21	45° Slope Prmt
BM #3				1641.27	TBM #3 El. = 1641.273, F.B. 4359-16, Lake Hughes Rd ℄ Sta. 112+41.91, A std. R.D. Mon. in Well @ ℄ E.C.

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NOTES RED. _____ JDB NO. 6600.17 SURVEY OF CASTAIC LAKE MAIN RESERVOIR F.B. 4359 PG. 25

DATE _____ SURVEY BY BURKHOLDER

NOTES CHKD. L. DUVERNAY NOTES BY D.L.B DATE 9-75

DATE 10/22/75 INDEXED G. D. BAILEY DATE OCT 21 '75

STATION	B.S.	H.I.	F.S.	ELEV.

J.N. 6600.17

CASTAIC LAKE

MAIN RESERVOIR

PHASE # I

SITE # I

CROSS SECTION OF LAKE HUGES RD.

SEE PG.# FOR CROSS SECTIONS

FROM: STA 149+00

TO STA 157+00

for & See Pg# 7

BURKHOLDER
L. JONES
R.R. RODRIGUEZ

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F.B. 4359 PG. 26

JOB NO. 6600,17 SURVEY OF Castaic Lake Main Res NOTES RED.
SURVEY BY Burkholder DATE
NOTES BY D.L.B. DATE 10-16-75 NOTES CHKD. L. DUVERNAY
INDEXED G.D. BAILEY DATE OCT 21 '75 DATE 10/22/75

STATION	B.S.	H.I.	F.S.	ELEV.	Lt Lake Hughes ℄ Rd.
TBM #5				1918 29	TBM #5, El. = 1918.291, F.B. 4359-18
					Lake Hughes Rd. ℄ Sta 149+00, A Std. R.D.
					Mon. on ℄
149+00				1918 80	℄
					—
				18 30	28° FL.
				18 75	29.8 Top AC burm
				19 6	36° Begin cut bank
				17 2	41° Slope
150+00				23 96	℄
				23 44	27.8 FL
				23 81	29.5 Top A.C. Burm
				24 6	33.7 Bot cut
				27 1	38.7 Cut Slope
				1925 14	
150+61				26 62	℄
				26 56	3° Dble Yellow Line (begin)
				26 08	27.7 F.L
				26 35	29.9 Top A.C. burm
				27 6	34° end cut + begin Fill
				25 5	39° Slope
151+00				28 14	℄
				28 08	3° dble Yellow Line
				27 70	28° F.L.
				27 95	29.6 Top A.C. burm
				29 0	33.5 Top Fill
				27 0	38.5 Fill Slope
51+50				29 85	℄
				29 80	3° Dble Yellow
				29 55	27.7 F.L.
				29 82	29.6 Top A.C. burm
				31 0	34.5 Top Fill
				29 0	39.5 Fill Slope
52+00				31 38	℄
				31 31	3° Dble Yellow
				30 90	27.8 FL
				31 28	29.7 Top A.C. burm
				32 1	34° Top Fill
				1929 7	39° Fill Slope

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NOTES REO. _____ JOB NO. 6600,17 SURVEY OF Castaic Lake Main Res. F.B. 4359 PG. 27

DATE _____ SURVEY BY Burkholder

NOTES CHKD. D. NIVERNAY NOTES BY D.L.B. DATE 10-16-75

DATE 10/22/75 INDEXED G.D. BAILEY DATE 10 21 75

STATION	B.S.	H.I.	F.S.	ELEV.	Lt. Lake Hughes ℄ Rd
152+24.5				1932.05	℄
				32.03	3° Dble Yellow
				31.62	27.5 F.L.
				31.92	29.8 Top AC burm
				32.9	32° Top brk
				33.0	39° Top Fill
				29.6	46.5 Slope
152+50				32.64	℄
				32.16	28.5 F.L.
				32.38	30° Top A.C. burm
				33.4	38° Top brk.
				35.0	66.5 Top brk.
				33.4	75° Slope
153+00				33.68	℄
				33.14	28.5 F.L.
				33.50	30.5 Top A.C. burm
				36.1	42.5 Top brk.
				35.0	75° Slope
153+39				34.25	℄
				34.18	3° Dble Yellow
				33.72	28.5 F.L.
				34.03	30° Top A.C. burm
				35.5	37.5 Basin bot. Cut.
				37.8	42.5 Top Cut.
				36.4	75° Slope
154+00				34.98	℄
				34.93	3° Dble Yellow
				34.55	28.5 F.L.
				34.90	30.8 Top A.C. burm
				36.0	35.5 bot. Cut
				39.5	40.5 Cut Slope
154+25.5				35.18	3° B.C. Yellow Line
154+50				35.40	℄
				35.32	5° Dble Yellow
				34.88	27.8 F.L.
				35.12	29° Top A.C. burm
				36.1	35° bot Cut
				1939.2	40° Cut Slope

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PROFILE LEVEL NOTES
CE 307
76-L-298-4/73

F.B. 4359 PG. 28

JOB NO. 6600.17 SURVEY OF Castaic Lake Main Res. NOTES RED.
SURVEY BY Burkholder DATE
NOTES BY D.L.B. DATE 10-16-75 NOTES CHKD. E. DOVERNAY
INDEXED G.D. BAILEY DATE OCT 21 '75 DATE 10/22/75

STATION	B.S.	H.I.	F.S.	ELEV.	Lt Lake Hughes ℄ Rd.
154+76.5				1935.40	10.5 PRC Dble Yellow
155+00				35.79	℄
				35.51	13.2 Dble Yellow
				35.27	26° FL.
				35.69	28° Top Ac. burm.
				36.3	34.5 bot Cut.
				39.0	39.9 Cut slope
155+76				35.91	24° edge pvmt & end burm.
156+00				36.63	℄
				36.45	16.7 Dbl Yellow
				36.16	24° Edge Pvmt.
				36.6	33° Bot. Cut
				39.0	38° Cut slope
156+24				36.80	℄
				36.69	9.7 Dble Yellow
				36.44	22.9 edge Pvmt
				37.7	38° end cut = begin Fill
				38.7	43° slope
157+00				37.37	℄
				37.27	7.5 Dble yellow
				37.05	31.5 edge pvmt
				38.2	32° Top Fill
				1935.0	37° Fill slope
TBM #6				1933.110	TBM #6, El. = 1933.110, F.B. 4359-18
					Lake Hughes Rd. ℄ Sta. 152+60± (So. Side)
					@ entrance to New Visitors Center
					P.K. in Ld. in W'lk Cb of 2 Lane entrance
					Rd. 5' So of C.R.

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NOTES RED. _____ JOB NO. 6600.17 SURVEY OF CASTAIC LAKE MAIN RESERVOIR | F.B. 4359 PG. 29

DATE _____ SURVEY BY BURKHOLDER

NOTES CHKD. ~~E. DUVERNAY~~ NOTES BY [illegible] DATE 10-75

DATE 10/22/75 INDEXED ~~E.D.~~ BAILEY DATE 0721 75

STATION	B.S.	H.I.	F.S.	ELEV.

J.N. 6600.17

CASTAIC LAKE

MAIN RESERVOIR

PHASE I

SITE # 2

CROSS SECTION OF LAKE HUGES RD.

FROM: STA 219+50

TO : STA 231+50

for & See pg# 9

BURKHOLDER
L. JONES
R R RODRIGUEZ

FOR CONSTRUCTION
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F.B. 4359 PG. 30

JOB NO. 6600.17 SURVEY OF Castaic Lake Main Res NOTES RED.
SURVEY BY Burkholder DATE
NOTES BY D.L.B. DATE 10-15-75 NOTES CHK. B. DIVERNAY
INDEXED G.D. BAILEY DATE 10/21/75 DATE 10/22/75

STATION	B.S.	H.I.	F.S.	ELEV.	Lt Lake Hughes ℄ Rd Rt
BM 16A				1951.12	BM 16A, Elev. = 1951.122, RD. F.B. 301-183-184
					Newhall Quad. 1958 Adj. Lake Hughes Rd
					℄ Sta. 214+53, A 1½" I.P. wood plug & B.N.
					47' Lt of ℄, (18" dn.)
R				1944.95	
219+50				45.02	℄
				43.77	14° Edge Pvmt.
				43.2	22° F.L.
				44.3	32° Top Fill
				41.4	37° Fill slope.
220+19.14 = E.C.				46.54	℄
				45.45	14° Edge Pvmt.
				44.7	22° F.L.
				46.3	33° Top Fill
				43.6	38° Fill slope.
220+69				47.96	℄
				47.11	14° Edge Pvmt.
				46.4	21° F.L.
				47.8	32° Bot. brk.
				48.7	34° Top burm
				45.7	40° Bot. brk.
				42.4	67° Toe slope E'ly & S'ly
220+85				48.58	℄
				47.84	14° Edge Pvmt.
				47.2	21° F.L.
				49.3	37° Bot. brk.
				50.0	39° Top burm
221+00				49.07	℄
				48.38	14° Edge Pvmt.
				47.8	20° F.L.
				49.0	29° Top brk.
				49.3	62° Top slope to West. = west edge dirt road
R				50.41	
222+00				53.29	℄
				52.96	14° Edge Pvmt.
				1952.2	21° F.L.

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NOTES RED. _____ JOB NO. 6600.17 SURVEY OF Castaic Lake

F.B. 4953 PG. 31

DATE _____ SURVEY BY Burkholder

NOTES CHKD. ~~DIVERSION~~ NOTES BY D.L.B. DATE 10-16-75

DATE 10/22/75 INDEXED G.D. BAILEY DATE 10/21/75

STATION	B.S.	H.I.	F.S.	ELEV.	Lt Lake Hughes ℄ Rd. Rt
222+00				1953 6	33° Top brk
				53 0	50° Slope
222+76				56 68	℄
				56 41	14° Edge Pvmt.
				55 9	22° F.L.
				57 6	36° Begin Cut.
				57 4	50° Slope.
223+00				57 76	℄
				57 49	14° Edge Pvmt.
				57 0	22° F.L.
				58 7	34° Bot. Cut.
				62 5	38.5 Top cut.
P				1959 81	
224+00				62 28	℄
				62 27	13.7 Edge Pvmt.
				61 9	21° F.L.
				63 1	32.5 Bot. Cut.
				67 7	37.5 Cut slope
224+50				64 48	℄
				64 83	13.8 Edge Pvmt.
				64 8	21° F.L.
				66 0	32.5 Bot. Cut.
				69 7	37.5 Cut Slope
224+76.97	B.C.			65 69	℄
				66 28	13.8 Edge Pvmt.
				65 8	21° F.L.
				67 7	32.5 Bot. Cut
				71 2	37.7 Cut Slope.
225+00				66 75	℄
				67 42	13.7 Edge Pvmt
				67 3	21° F.L.
				69 1	33° Bot. Cut.
				73 6	38° Cut Slope
225+50 ⊙				1969 01	℄
				69 78	13.3 Edge Pvmt.
				69 7	21° F.L.
				1971 7	33° Bot. Cut
				1975 7	38° Cut slope

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F.B. 4953 PG. 32

JOB NO. 6600.17 SURVEY OF Castaic Lake Main Res. NOTES RED.
SURVEY BY Burkholder DATE
NOTES BY D.L.B. DATE 10-16-75 NOTES CHKD. E. DUVERNAY
INDEXED G.D. BAILEY DATE OCT 21 '75 DATE 10/22/75

STATION	B.S.	H.I.	F.S.	ELEV.	Lt. Lake Hughes ℄ Rd. Rt.
226+00				1971 28	℄
				72 11	13° Edge Pvmt.
				72 2	20° F.L.
				74 0	34° Bot. Cut.
				78 0	39° Cut Slope
226+50				73 45	℄
				74 35	13° Edge Pvmt.
				74 4	21° F.L.
				76 5	35° Bot. Cut.
				81 5	40° Cut Slope
227+00				75 62	℄
				76 59	14° Edge Pvmt.
				76 7	22° F.L.
				79 0	34° Bot. Cut.
				83 0	39° Cut Slope
227+55	0			1978 20	℄
				78 92	14° Edge Pvmt.
				78 7	22° F.L.
				81 4	34° end Cut = Begin Fill
228+00				80 04	℄
				80 85	14° Edge Pvmt.
				80 6	22° F.L.
				82 7	34° Top Fill
				80 0	39° Fill Slope
228+67.04	EC.			83 10	℄
				83 63	14° Edge Pvmt.
				83 4	21° F.L.
				85 6	33° Top Fill
				83 2	38° Fill Slope
229+00				84 54	℄
				84 58	0.5 Yellow Line
				84 85	14.5° Edge Pvmt.
				1984 5	21° F.L.

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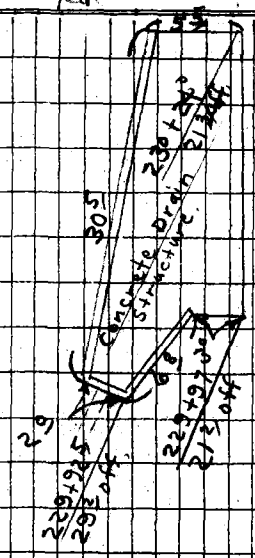
NOTES RED. _____ JOB NO. 6600.17 SURVEY OF Castaic Lake Main Res | F.B. 4953 PG. 33

DATE _____ SURVEY BY Burkholder

NOTES CHKD. [illegible] NOTES BY D.L.B. DATE 10-16-75

DATE 10/22/75 INDEXED G.D. BAILEY DATE OCT 21 [illegible]

STATION	B.S.	H.I.	F.S.	ELEV.	Lt. Lake Hughes ℄ Rd
229+00				1986 6	33° Top Fill
				836	38° Fill Slope
R				86 31	
229+91.5				88 72	℄
				88 60	14° Cor Pvmt.
229+92.5				88 98	29.3 Top Cb. ℄ Pvmt.
				87 18	29.2 F.L. 12" C.I.P. drain
229+97				88 70	21.3 Cor. Conc. Apron.
230+24				90 12	℄
				~~90 14~~	~~0.5 Yellow line~~
				89 92	14° Edge Pvmt.
				~~89 72~~	~~21.3 Cor. Conc. Apron.~~
				89 50	26.8 Conc. F.L. ℄ Pvmt.
				90 00	26.8 Top Cb.
				90 7	34.3 Top Fill
				88 4	39.3 Fill Slope
231+00				93 40	℄
				93 42	0.5 Yellow Line
				93 16	14° Edge Pvmt.
				92 78	18.5 Paved F.L.
				92 97	20.8 Top Paved Cut
				93 9	33.9 Top Fill
				91 3	38° Fill Slope
R				1995 02	
231+50				95 75	℄
				95 75	0.5 Yellow Line
				95 32	14° Edge Pvmt.
				95 03	18° Paved F.L.
				95 25	20.5 Top Paved Cut
				96 6	34° Top Fill
				1993 9	39° Fill Slope
BM 19A.				2000 88	BM 19A, Newhall Quad. 1958 Adj El = 2000.80 R.D. F.B. 3011-185, Lake Hughes Rd. & Sta 232+00, A 1½" I.P. Wood Plug & B.N. 50' Rt. of ℄



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NOTES RED. _____ JOB NO. 6600.17 SURVEY OF CASTAIC LAKE MAIN RESERVOIR F.B. 4359 PG. 35

DATE _____ SURVEY BY BURKHOLDER

NOTES CHKD. E. DUVERNAY NOTES BY D. L. B. DATE 9-75

DATE 10/22/75 INDEXED G. D. BAILEY DATE OCT 21 '75

STATION	B.S.	H.I.	F.S.	ELEV.

J.N. 6600.17

CASTAIC LAKE

MAIN RESERVOIR

PHASE # I

SITE # 11

CROSS SECTION OF LAKE HUGHES RD.

FROM: STA 331+35.37

TO : STA 344+00.00

for & See pg# 14

BURKHOLDER

L. JONES

R.R. RODRIGUEZ

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

PROFILE LEVEL NOTES
CE 307
76-L-298-4/73

F.B. 4359 PG. 36

JOB NO. 6600.17 SURVEY OF Castaic Lake Main Res. NOTES RED.
SURVEY BY Burkholder DATE
NOTES BY D.L.B. DATE 10-15-75 NOTES CHKD. E. DUVERNAY
INDEXED G.D. BAILEY DATE 10/21/75 DATE 10/22/75

STATION	B.S.	H.I.	F.S.	ELEV.	Lt Lake Hughes ℄ Rd. Rt.
TBM #8				2003 61	TBM # 8, El. = 2003.607, F.B. 4359-19
					Lake Hughes Rd. ℄ Sta. 331+35.37, A Sta.
					R.D. Mon. in Well on ℄ E.C.
331+35.37 = E.C.				2004 17	℄
				04 27	15 Yellow Line
				04 82	14° Edge Pvmt.
				04 7	18.5 F.L.
				06 9	35° Bot. Cut.
				11 9	40° Cut Slope
				0390	14.8 Edge Pvmt.
				02 9	23.5 F.L.
				05 9	36.5 Bot. Cut.
				10 4	41.8 Cut slope
332+00				2003 43	℄
				03 50	23 Yellow Line
				03 55	14° Edge Pvmt.
				03 5	19.7 F.L.
				06 0	37° Bot. Cut
				11 0	45 Cut slope
				02 90	14° Edge Pvmt.
				02 6	22° F.L.
				06 0	35° Bot. Cut
				11 0	40° Cut Slope
333+00				2002 32	℄
				02 32	25 Yel. Line
				02 04	14° Edge Pvmt.
				01 8	22° F.L.
				03 9	35° Bot. Cut
				07 4	40° Top cut
				02 04	14° Edge Pvmt.
				01 7	22° F.L.
				04 8	35° Bot. Cut
				09 3	39.5 Cut Slope
333+19				2002 14	℄
				04 2	37° End Cut - Begin Fill
				2004 4	45°

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NOTES RED. _____ JOB NO. 6600.17 SURVEY OF Castaic Lake Main Res. F.B. 4359 PG. 37

DATE _____ SURVEY BY Burkholder

NOTES CHKD. ~~R. DUVERNAY~~ NOTES BY D. L. B. DATE 10-15-75

DATE 10/22/75 INDEXED ~~G. D. BAILEY~~ DATE ~~OCT 21 75~~

STATION	B.S.	H.I.	F.S.	ELEV.	Lake Hughes Rd	
					Lt.	Rt.
334+00 ⊙				2001 31		℄
				01 28		2° Yel. Line
				00 98		14° Edge Pvmt.
				00 4		23.5 F.L.
				02 2		32° Top Fill
				01 0		40° Top brk
				00 94	14° Edge Pvmt.	
				00 6	21.5 F.L.	
				03 8	36.5 Bot. cut.	
				07 8	40° Cut slope.	
335+00				2000 17		℄
				2000 17		2° Yel. Line
				1999 83		14.5 Edge Pvmt.
				1999 3		23.5 F.L.
				2001 2		33° Top Fill
				1998 7		38° Fill Slope.
				1999 92	14° Edge Pvmt.	
				1999 7	22° F.L.	
				2002 2	34.5 Bot. cut.	
				2006 0	39.5 cut slope.	
335+99				1999 54		℄
				1999 55		1.5 Yel. Line
				1999 29		14.5 Cor. Pvmt.
				1998 70		27.5 F.L. Paved.
				1999 14		30° Edge Pvmt.
				2000 0		34.5 Top Fill
				1997 5		39.5 Fill Slope
336+00				1999 54		℄
				1999 30	14° Cor. Pvmt.	
				1998 93	27.5 F.L. Paved	
				1999 54	30° Edge Pvmt. = Bot. cut.	
				2001 7	35° Cut Slope	
336+25				1998 94		22.5 Top brk Pvmt.
				1999 08		28.5 Top cover 36" C.I.P. Catch Basin
				1998 04		28.5 Paved F.L.
			-5.3	1992 7		28.5 F.L. 24" C.I.P. Cross Drain

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PROFILE LEVEL NOTES
CE 307
76-L-298-4/73

F.B. 4359 PG. 38

JOB NO. 6600,17 SURVEY OF Castaic Lake Main Res NOTES RED.
SURVEY BY Burkholder DATE
NOTES BY D.L.B. DATE 10-15-75 NOTES CHK'D DUVERNAY
INDEXED G.D. BAILEY DATE 10/21/75 DATE 10/22/75

STATION	B.S.	H.I.	F.S.	ELEV.	Lt. Lake Hughes	℄	Rt.	Rt.
336+25				1999 00	24° Top brk pvmt.			
				1999 12	28° Top cover 36" C.I.P. Catch Basin			
				1998 03	28° Paved F.L.			
				1994 6	28° F.L. 24" C.I.P. Cross Drain			
336+50				1999 60		℄		
				1999 60		1° Yel. Line		
				1999 31		14.5 Cor. Pvmt.		
				1998 87		26° Paved F.L.		
				1999 09		27.5 Edge Pvmt.		
				2000 0		34° Top Fill		
				1997 3		38° Fill Slope		
				1999 28	13.5 Cor. Pvmt.			
				1998 41	27.5 Paved F.L.			
				1998 76	29.5 Edge Pvmt.			
				2000 2	34.5 End Cut-Begin Fill			
				1998 7	45° Bot. brk.			
337+00				1999 88		℄		
				99 89		1° Yellow Line		
				99 52		14° Edge Pvmt.		
				1999 3		22° F.L.		
				2000 4		33.5 Top Fill		
				1997 9		38.5 Fill Slope		
				99 55	14.5 Edge Pvmt.			
				1999 00	23.5 F.L.			
				2000 5	33° Top Fill			
				1998 3	50° Fill Slope.			
337+50				2000 37		℄		
				00 39		1° Yel. Line		
				00 06		14.5 Edge Pvmt.		
				2000 0		22.5 F.L.		
				2001 3		32° Top Fill		
				1998 6		37° Fill Slope.		
				2000 15	13.5 Edge Pvmt.			
				1997 7	23° F.L.			
				2001 0	32.5 Top Fill			
				1999 6	50° Fill Slope.			

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NOTES RED. _____ JOB NO. 6600.17 SURVEY OF Castaic Lake Main Res

F.B. 4359 PG. 39

DATE _____ SURVEY BY Burkholder

NOTES CHKD. E. DUVERNAY NOTES BY D.L.B. DATE 10-15-75

DATE 10/22/75 INDEXED G. D. BAILEY DATE OCT 21 '75

STATION	B.S.	H.I.	F.S.	ELEV.	Lt Lake Hughes Rd Rt
337+67				2000 61	℄
				00 62	1° Yellow Line
				00 26	14° Edge Pvmt.
				00 2	23° F.L.
				01 5	32° Top Fill
				1999 8	37° Fill Slope
				2000 32	13° Edge Pvmt.
				2000 0	23° F.L.
				01 4	33° Top Fill
				00 2	50° Fill Slope
338+00				2001 13	℄
				01 14	1° Yellow Line
				00 79	14° Edge Pvmt.
				00 7	23° F.L.
				2002 2	32° Top Fill
				1999 5	37° Fill Slope
				2000 83	13° Edge Pvmt.
				00 4	23° F.L.
				02 2	33° Top Fill
				01 2	50° Fill Slope
338+50				2002 15	℄
				02 16	1° Yellow Line
				01 84	14° Edge Pvmt.
				01 6	23° F.L.
				03 0	32° Top Fill
				00 5	37° Fill Slope
				01 94	14° Edge Pvmt.
				01 5	22° F.L.
				02 8	32° Top Fill
				01 4	50° Fill Slope
339+00				2003 33	℄
				03 33	0° Yellow Line
				03 03	14° Edge Pvmt.
				02 5	23° F.L.
				04 3	32° Top Fill
				01 3	37° Fill Slope

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CE 307
76-L-298-4/73

F.B. 4359 PG. 40

JOB NO. 6600.17 SURVEY OF Castaic Lake Main Res. NOTES RED. ____
SURVEY BY Burkholder DATE ____
NOTES BY D.L.B. DATE 10-15-75 NOTES CHKD E. DUVERNAY
INDEXED G.D. BAILEY DATE OCT 21 '75 DATE 10/22/75

STATION	B.S.	H.I.	F.S.	ELEV.	Lt. Lake Hughes Rd.	Rt.
339+00				—		
				2003 04	13.5 Edge Pvmt.	
				02 6	22° F.L.	
				04 3	32.5 Top Fill	
				03 4	39° Bot. Brk.	
339+62.15 BK 339+37.18 Ahd. ⊙				2004 96		℄
340+00				06 64		℄
				06 64		0.7 Yellow Line
				06 32		14.5 Edge Pvmt.
				05 7		23.5 F.L.
				07 3		33° Top Fill
				09 6		38° Fill Slope
				06 32	13.8 Edge Pvmt.	
				05 8	22° F.L.	
				2007 6	33° Top Fill	
				1997 5	52° Bot. brk.	
341+00				2009 27		℄
				09 28		0.5 Yellow Line
				09 00		14.5 Edge Pvmt.
				08 5		24° F.L.
				2010 2		33° Top Fill
				2007 5		38° Fill Slope
				2008 97	14° Edge Pvmt.	
				08 5	22° F.L.	
				2009 8	34° Top Fill	
				2007 2	39° Fill Slope	
342+00 ⊙				2011 97		℄
				11 97		0.3 Yellow Line
				11 63		14.7 Edge Pvmt
				11 0		23.5 F.L.
				12 6		33° Top Fill
				10 4		38° Fill Slope
				11 73	13.5 Edge Pvmt.	
				11 3	22.5 F.L.	
				13 0	33° Top Fill	
				2010 4	38° Fill Slope.	

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NOTES RED. _____ JOB NO. 6600.17 SURVEY OF Castaic Lake Main Res F.B. 4359 PG. 41

DATE _____ SURVEY BY Burkholder

NOTES CHKD. R. DUVERNAY NOTES BY D.L.B. DATE 10-1[illegible]

DATE 10/22/75 INDEXED G.D. BAILEY DATE 07 21 '75

STATION	B.S.	H.I.	F.S.	ELEV.	Lt. Lake Hughes Rd.	℄	Rt.
343+00				2014.69		℄	
				—			
				14.33		14.5 Edge Pvmt.	
				13.9		23.5 F.L.	
				16.0		33.5 Top Fill	
				14.5		38.5 Fill Slope	
				14.37	13.7 Edge Pvmt.		
				14.0	21.3 F.L.		
				15.5	33.0 Top Fill		
				13.5	38.0 Fill Slope		
343+09				14.89		℄	
				15.8			36.0 End Fill-Begin Cut
344+00				2017.26		℄	
				16.95		14.5 Edge Pvmt.	
				16.4		22.0 F.L.	
				19.0		32.5 Bot. Cut.	
				22.6		37.5 Cut Slope	
				16.97	14.0 Edge Pvmt.		
				16.5	22.0 F.L.		
				18.0	33.0 Top Fill		
				20.63	38.0 Fill Slope		
BM-33A				2015.98	BM-33A El. = 2015.978 F.B. 4359-20 Lake Hughes Rd. & Sta. 313+00, A 2[illegible] 49.0 Rt. of ℄.		

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PROFILE LEVEL NOTES
CE 307
76-L-298-4/73

Notes Ck'd by	Survey of Castaic Lake, Main Res.
Map No.	JN 6604.40 Tape 303 Std 84° °F
Office Work	Surveyed by Burkholder
Checked	Notes L.W.J. Date 3-4-76
Date	Indexed T. M. PALMERI MAR 10 1976

F.B. 4359 PG. 43

U.N. 6604.40

LOCATION OF CONCRETE PUMP VAULT AND DIRT PAD — CASTAIC LAKE AREA

MARCH 4, 1976

REF:

R.D.F.B. 2910 – 230, 231, 232 & 233

PARTY:

BURKHOLDER
JONES
LUND

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CENTERLINE NOTES
CE 310
76F3095 4/73

F.B. 4359 PG. 44

B.C. 60+08.43
FD. ROAD DEPT. BRASS CAP MON. IN WELL WITH 4- 2.00 S&W STRADS. PER R.D.F.B. 2910 - 232 & 233.

300' TAPE

177.37 @ 0°00' @ T- 48° = 177.33

300.27 @ 3°56' @ T- 48° = 299.79
300.18 @ 3°48' @ T- 48° = 299.78 299.78

476.81

97.32 @ 2°14' @ T- 48° = 97.23
97.31 @ 1°49' @ T- 48° = 97.24 97.24

56+79.7
EDGE PAD
30.0

56+13.0
EDGE PAD
47.9

55+65.0
EDGE PAD
75.6

55+39.8
30.0

55+26.5
TRANS. P.P. # 1735962 E
53.7

55+24.8
DEAD MAN
75.2

55+31.56
SET C. NAIL FLUSH

55+11.1
N.E. COR.
58.7

CONC. PUMP VAULT
11.0

55+08.4
S.E. COR.
58.6

CUT
FILL
DAY LIGHT LINE APPROX.

55+25.5
EDGE PAD
126.1

55+11.2
EDGE PAD
118.2

54+94.3
EDGE PAD
68.6

54+56.2
EDGE PAD
30.0

E.C. 54+34.32
FD. ROAD DEPT. BRASS CAP MON. IN WELL WITH 4-2.00 S.&W. STRAD. PER R.D.F.B. 2910-230 & 231

476.81

HUGHES ROAD

LAKE

97.24

CE 310
76F3095-4/73

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NOTES RED. _____ JOB NO. 6604.40 SURVEY OF Castaic Lake, Main Res. Phase I F.B. 4359 PG. 45

DATE _____ SURVEY BY Burkholder

NOTES CHKD. _____ NOTES BY D.L.B. DATE 3-4-76

DATE _____ INDEXED T. M. PALMER DATE MAR 10 1976

STATION	B.S.	H.I.	F.S.	ELEV.

J.N. 6604.40

CASTAIC LAKE
MAIN RESERVOIR
PHASE I

Elev. @ Water Pump Site
on Lake Hughes Rd.

Note: Elev's are based
on a fd. T.B.M. for which there
is No Reference

Burkholder
Jones
Lund

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK WITH DATE AND NAME OF PERSON MAKING CHANGE

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PROFILE LEVEL NOTES
CE 307
76-L-298-4/73

F.B. 4359 PG. 46

JOB NO. 6604.40 SURVEY OF Castaic Lake, Main Res. NOTES RED.
SURVEY BY Burkholder DATE
NOTES BY D.L.B. DATE 3-4-76 NOTES CHKD.
INDEXED L. M. PALMERI DATE MAR 10 1976 DATE

STATION	B.S.	H.I.	F.S.	ELEV.	
TBM. (Fd)				1273 00	TBM El=1273.00, Lake Hughes Rd, 0.8 Mi N.E.ly of Old Ridge Rt. West side, A Spk in E'ly side of Trans. Pole #1735962E, 18" up No Reference. (Elev. written on Mkr Nailed to Pole)
54+56.3				1265 18	℄
				65 60	14' Lt. edge Prmt.
				65 1	21.5 Lt. F.L.
				66 0	30' Lt. Top brk, edge Pad.
54+94.3				69 8	68.6 Lt. edge Pad.
55+11.3				71 9	118.3 Lt. edge Pad
55+08.4				72 66	58.6 Lt. S.E. Cor Conc. Pump Vault (Top Conc)
				71 0	58.6 Lt. dirt @ Cor. Vault
				72 66	69.6 Lt. S.W. Cor. Vault (Top Conc)
				71 3	69.6 Lt. dirt @ Cor. Vault
55+19.4				72 66	58.7 Lt. N.E. Cor. Conc. Pump Vault (Top Conc)
				67 71	58.7 Lt. Conc. Floor Elev.
				71 3	58.7 Lt. dirt @ Cor. Vault
				72 66	69.7 Lt. N.W. Cor Vault (Top Conc)
				71 4	69.7 Lt. dirt @ Cor. Vault
55+25.5				70 41	℄
				70 48	14.9 Lt. Edge Prmt.
				70 2	21.5 Lt. F.L.
				71 1	30' Top brk.
				71 2	50' Lt. dirt
				71 5	75' Lt. dirt
				72 0	100 Lt. dirt
				72 5	126.4 Lt. edge Pad
55+65.0				73 37	℄
				73 21	14' Lt. edge Prmt
				72 5	21.5 Lt. F.L.
				73 5	30' Lt. Top brk
				73 7	50' Lt. Dirt
				73 5	75.6 Lt. edge Pad.
56+13.0				77 07	℄
				76 77	14.9 Lt. edge Prmt.
				75 9	21.5 Lt. F.L.
				76 5	30.0 Lt. Top brk
				76 4	47.9 Lt. edge Pad.
56+79.7				1281 99	℄

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NOTES RED. _____ JOB NO. 6604.40 SURVEY OF Castaic Lake, Main Res. F.B. 4359 PG. 47

DATE _____ SURVEY BY Burkholder

NOTES CHKD. _____ NOTES BY D.L.B. DATE 3-4-76

DATE _____ INDEXED L. M. PALMERI DATE MAR 10 1978

STATION	B.S.	H.I.	F.S.	ELEV.	
56+79 Z				1281 64	14° Lt. Edge Pt.
				80 5	21° Lt. F.L.
				1281 7	30° Lt. Top bnk & edge Pad.
TBM (Ed.)				1273.00	TBM. El. 1273.00, Spk in P.P. # 1735962E

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PROFILE LEVEL NOTES
CE 307
76-L-298-4/73

Notes Ck'd by	Survey of BALL POINT SITE	F.B. 4359 PG. 49
Map No.	JN 0500.53 Tape EDM Std °F	
Office Work	Surveyed by Burkholder	
Checked	Notes DLB Date 10-19-79	
Date	Indexed ~~H. HOLMAN~~ OCT 24 1979	

J.N. 0500.53

BALL POINT SITE

CASTAIC LAKE

PHASE I, ALTERNATE C

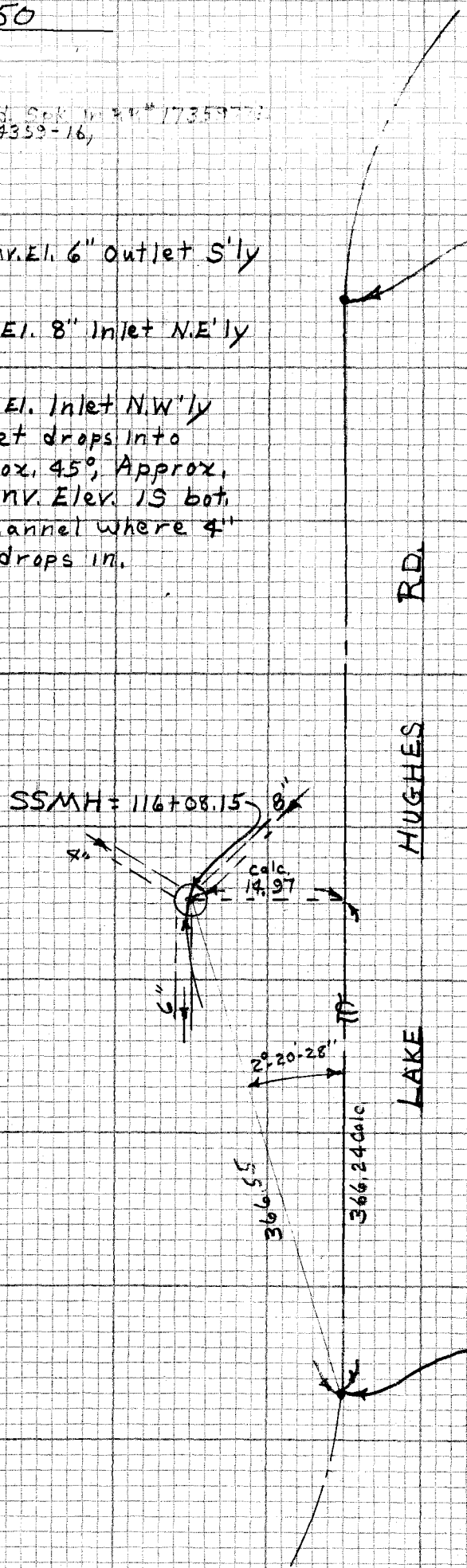
Sewer Preliminary

Burkholder
Goble
Wacker

F.B. 4359 PG. 50

TIE #2 Sanitary Sewer Manhole #1735977
F.B. 4359-16,

1659.25
+ 2.09
1663.89
- 1.14
Rim El.: 1662.75
- 4.34
1658.41 = Inv. El. 6" Outlet S'ly

Rim El. = 1662.75
- 3.67
1659.08 = Inv. El. 8" Inlet N.E'ly

Rim El. = 1662.75
- 4.25
1658.50 = Inv. El. Inlet N.W'ly
N.W'ly Inlet drops into M.H. @ Approx. 45°, Approx. diam = 4'. Inv. Elev. IS bot. of Conc. Channel where 4" diam. pipe drops in.