SO. CALIF. BLUE PRINT CO. 4297

INDEX TO F.B. 2198

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"	"	" " " & curbs on 153rd Pl.	Elevations.	9-12
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Mcclelland July '86

SURVEY OF _____ F.B. _____ PG. _____

SURVEY BY _____ TR. No. _____

DATE _____

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F. B. ____ PG. ____

TR. NO. ____

SURVEY OF ____

SURVEY BY ____

DATE ____

Profile No.	Notes Red	Plotted	Job No. P.C. 5677 0600.00	Division No. 11	F.B. 2198 Pg. 5
	Date	Date	Survey of WESTERN AVE		
X-Sec. No.	Notes Chkd.	Checked	Survey by C.K. LIND	Notes LIND	Date 9-23-60
	Date	Date	Map No.	Indexed	Date

U.N. 06 00.00 (P.C.# 5677)

WESTERN AVE

RIM & INVERT ELEVATIONS

OF S.M.H. ± 35° WEST OF

℄ WESTERN AVE & ON ℄ OF CRESTWOOD ST.

9-23-60

LIND

CARO

ELEV.

F.S.

H.I.

B.S.

STATION

76L-298 CE 307 11-58

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STATION	B.S.	H.I.	F S.	ELEV	
RD. BM. #1	6.42	330.45		324.03	RD BM #1, EL = 324.03, RD LB 119-137 FD LEAD & BN. NAIL ±5° SOUTH OF BCR ±38' W. OF ℄ WESTERN AVE ±50 N. OF ℄ CRESTWOOD ST. (PALOS VERDES 1955)
S.M.H.					S.M.H. (C.S.D. #5 COVER). ON ℄ OF CRESTWOOD AVE & 35° W. OF ℄ WESTERN AVE
			5.57	324.88	WEST RIM
			5.59	324.86	NORTH RIM
			10.54	319.91	8" INLET WEST
			10.94	319.51	10" OUTLET NORTH

	INLET W.	OUTLET N.
ROD	5.57	5.59
MEAS	4.30	4.52
DIA	0.67	0.83
	10.54	10.94

RD BM #2			3.32	327.13	RD BM #2 EL = 327.14, RD FB 119-137 FD L. & BN NAIL 1° ± N. OF CR. ±38' W. OF ℄ WESTERN AVE. ±53° S. OF ℄ CRESTWOOD ST (PALOS VERDES) 1955
NOTE: NO STUB GOING SOUTH					

F.B. 2198 PG. 6 | Job No. 0600.00 | Division No. 11 | Notes Red | Plotted | Profile
Survey of WESTERN AVE | Date | Date | No. | X-Sec.
Survey by LIND | Notes LIND | Notes Chkd. | Checked | No.
Indexed | Date | Date | Date | No.

Notes Ck'd by	Survey of SANITATION INVESTIGATION	F. B. 3123 Pg. 7
Map No.	JN 0432.00 Tape Std °F	
Office Work	Surveyed by C.K. LIND	
Checked	Notes WILKS Date 9-26-62	
Date	Indexed	

SANITATION INVESTIGATION

J.N. 043200

LOCATION OF M.H. ON

153rd PL. EAST OF FIRMONA AVE

LIND
WILKS
MASUDA
CARO
OHASHI

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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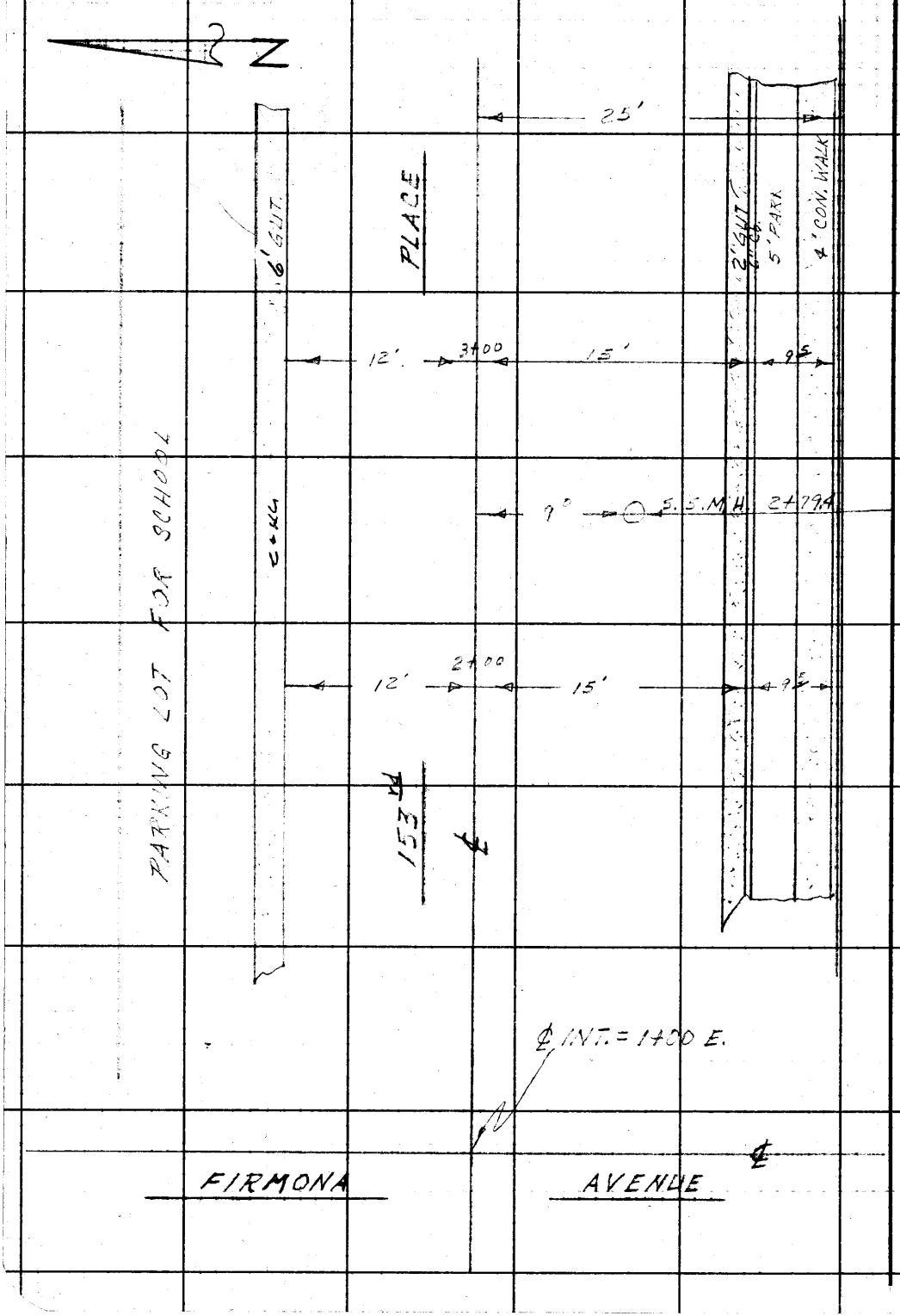
763095 CE #247—7-53

F. B. 2198 PG. 8



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Profile No.	Notes Red	Plotted	Job No. 0432.00	Division No. 11	F.B. 2198	Pg. 9
	Date	Date	Survey of SANITATION INVESTIGATION			
X-Sec. No.	Notes Chkd.	Checked	Survey by LINO	Notes LINO	Date 9-27-60	
	Date	Date	Map No.	Indexed	Date	

W.O. 0432.00

SANITATION INVESTIGATION

S.M.H. INVERTS & CURB ELEVATIONS ON 153RD PLACE EAST OF FIRMONA AVE.

ELEV.	9-27-60
F.S.	LINO WILKS
H.I.	CARO OHASHI
B.S.	MASUDA
STATION	

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STATION	B.S.	H.I.	F S.	ELEV	153 RD	PLACE
BM. L.F. 99	424	63 26		59.02	B.M. L.F. 99, EL= 59.018, PER 1214-pg.	1120K
T.P.	506	63 01	531	57 95	153 RD STREET AND FIRMONA AVE	
T.P.	491	62 76	516	57 85	S.W. COR. Bt Spk in Porch of	
					House # 4602.	
2+79 ℄ EAST			503	57 73	SMH AVER RIM	9° Rt. of ℄
			1250	50 26	8" STUB EAST	
			1260	50 16	8" OUTLET WEST	

	STUB E.	OUTLET WEST
ROD	5.03	5.03
MEAS	6.80	6.90
DIA	0.67	0.67
	12.50	12.60

F.B. 2198 PG. 10 Job No. 0432.00 Division No. 11 Notes Red Plotted Profile
Survey of SANITATION INVESTIGATION Date Date No. X-Sec.
Survey by LIND Notes LIND Notes Chkd. Checked
Indexed Date Date Date No.

76L-298 CE 307 11-58

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STATION	B.S.	H.I.	F.S.	ELEV.	153 RD LT & West	PLACE RT & South
		62 76				
2+79⁴ EAST			4 97	57 79		℄
			5 14	57 62		13° R. EC
			5 33	57 43		15° " FL
			4 64	58 12		15° " TC
			4 36	58 40		24 E " BW
			5 32	57 44	12° L. E. CONC GUT.	
			5 37	57 39	15° " FL. " "	
			5 32	57 44	18° " E. " "	
3+79⁴ EAST			4 94	57 82		℄
			5 11	57 65		13° R. EC
			5 29	57 47		15° " FL
			4 62	58 14		15° " TC
			4 35	58 41		24 E " BW
			5 38	57 38	12° L. E. CONC GUT	
			5 46	57 30	15° " FL. " "	
			5 37	57 39	18° " E. " "	

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0432.00 Division No. 11 F.B. 2198 Pg. 11
Date ____ Date ____ Survey of SANITATION INVESTATION
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by LIND Notes LIND Date 9-27-60
Date ____ Date ____ Map No. ____ Indexed ____ Date ____

76L-298 CE 307 11-58

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STATION	B.S.	H.I.	F.S.	ELEV	153 RD	PLACE
		62 76				
4+79 ℄ EAST			510	57 66		℄
			512	57 64		13° R. EC
			536	57 40		15° " FC
			468	58 08		15° " TC
			442	58 34		24° " BW
T.P.	500	62 97	479	57 97	N.G.	
BM LF 98	370	63 04	363	59 34	BM LF 98 EL= 59.26	PER F.B. 12A PG.
T.P.	523	63 19	513	57 91	153 RD PLACE &	FIRMONA AVE
					H.W. COR. Bt.	SPK IN S. END
					WALK TO HOUSE	NO 4605
					OK	
BM LF. 99			416	59 03	BM LF. 99 EL= 59018	FB 12A-112
					153 RD STREET &	FIRMONA AVE
					S.W. COR. Bt. SPK	IN PORCH OF
					HOUSE # 4602	

F.B. 2198 PG. 12

Job No. 0432.00 Division No. 11 Notes Red Plotted Profile

Survey of SANITATION INVEST Date Date No. X-Sec.

Survey by LIND Notes LIND Notes Chkd. Checked Date No.

Indexed Date Date

Profile No.	Notes Red	Plotted	Job No. 0432.00	Division No. 11	F.B. 2198 Pg. 13
	Date	Date	Survey of SANITATION INVESTIGATION ON MIRALESTE DR.		
X-Sec. No.	Notes Chkd.	Checked	Survey by CK. LIND	Notes LIND	Date 10-10-60
	Date	Date	Map No.	Indexed H. E. OTT	Date [redacted]

L.N. 0432.00

SANITATION INVESTIGATION

ON

MIRALESTE DRIVE

B.M.'S. HELD TO B.M. 36-9

S.M.H. INVERTS AT W. SUMMERLAND AVE AND SOUTH ENRICSE AVE.

STATION	B.S.	H.I.	F.S.	ELEV.
		10-10-60	INDICATED ON VELLUM SHEET	PROFILE SHOTS TAKEN AT POINTS
		LIND		
		WILKS		
		CARO		
		OHASHI		
		MASUDA		

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761-298 CE 307 11-58

F.B. 2198 Pg. 14 Job No. 043200 Division No. 11 Notes Red _____ Plotted _____ Profile

Survey of SANITATION INVESTIGATION Date _____ Date _____ No. _____

Survey by LIND Notes C.L. LIND Notes Chkd. _____ Checked _____ X-Sec.

Indexed H. E. OTT Date _____ Date _____ Date _____ No. _____

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

76L-298 CE 307 11-58

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765420 S & E-353 4-54

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
36-9	639.794				639.794	BM 36-9, EL = 639.794, REF AB 1357-15
+	1.091					MIRALESTE DRIVE & WEST SIDE
Σ	640.885					BETWEEN Via Vida AND Via
−	10.231					SIENA 39.5 S'LY FROM S.E.
T.P.	630.654					COR. OF CONC. DRIVE WAY TO
+	0.687					HOUSE No 4201 AND 1.6' W. OF
Σ	631.341					THE W. CURB OF MIRALESTE DRIVE, IN
−	8.700					A WELL AND PROTECTED BY A CAST
T.P.	622.641					IRON COVER. A STD C.S. NON.
+	0.245					STAMPED "BM 36-9 1954 RE.
Σ	622.886					
−	10.857					
T.P.	612.029					
+	0.432					
Σ	612.461					
−	10.147					
T.P.	602.314					
+	0.257					
Σ	602.571					
−	9.871					
T.P.	592.700					
+	0.293					
Σ	592.993					
−	10.042					
T.P.	582.951					
+	0.314					
Σ	583.265					
−	10.400					
T.P	572.865					
+	0.350					
Σ	573.215					

NOTES RED _____ DATE _____
NOTES CHKD _____ DATE _____
INDEXED _____ DATE _____

JOB NO 0001.0 SURVEY BY C.K. SURVEY OF SANITATION INVESTIGATION & MIRALESTE DRIVE
NOTES BY CHRD DATE 10-13-60
H. E. OTT

F. B. 2193 PG. 15

76S420 S & E-353 4-54

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
π	573.215					
−	10.175					
T.P.	563.040					
+	0.780					
π	563.820					
FA −	9.720					T.B.M. #1
T.B.M. #1	554.100					MIRALESTE DRIVE & W. VIA COLINITA
+	2.537					ON THE NORTH SIDE OF W. VIA
π	556.637					COLINITA, AT THE APPROX CENTER
−	8.482					OF THE DIVIDER BETWEEN THE E. &
T.P.	548.155					W. BARREL OF MIRALESTE DRIVE
+	0.947					A LEAD & TACK IN N. CONC CURB
π	549.102					
−	10.507					
T.P.	538.595					
+	0.608					
π	539.203					
−	8.468					
T.P.	530.735					
+	1.660					
π	532.395					
−	7.548					
T.P.	524.847					
+	3.378					
π	528.225					
FA −	5.117					
T.B.M. #2	523.108					T.B.M. #2
+	5.009					SUMMERLAND DRIVE & EN ROSE AVE
π	528.117					NE. COR 1° SOUTH OF N. END
−	3.179					C.R. A LEAD & BRAD IN CONC CURB
T.P.	524.938					

JOB NO. 0432.00 SURVEY OF SANITATION INVESTIGATION NOTES RED.
SURVEY BY C.K. LINO DATE
NOTES BY LINO DATE 10-10-60 NOTES CHKD.
INDEXED H.E. OH DATE DATE

F.B. 2198 PG. 16

76S420 S & E-353 9-55

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION					
T.P.	524.938										
+	7.379										
⊼	532.317										
−	1.612										
T.P.	530.705										
+	8.179										
⊼	538.884										
−	0.289										
T.P.	538.595										
+	11.397										
⊼	549.992										
−	1.837										
T.P.	548.155										
+	8.535										
⊼	556.690										
−	2.590										
T.B.M. #1	554.100										
+	10.149										
⊼	564.249										
−	1.208										
T.P.	563.041										
+	10.156										
⊼	573.197										
−	0.329										
T.P.	572.868										
+	10.532										
⊼	583.400										
−	0.443										
T.P.	582.957										
+	10.512										
⊼	593.469										

NOTES RED _____ JOB NO. 0436.00 SURVEY OF ON MIRALESTE DRIVE
DATE _____ SURVEY BY C. K. LIND
NOTES CHKD. _____ NOTES BY LIND DATE 10-10-60
DATE _____ INDEXED H. E. ON DATE _____

F. B. 2198 PG. 17

768420 S & E-353 9-55

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JOB NO. 0432.00 SURVEY OF Sanitation Investigation
SURVEY BY L.K. Kind
NOTES BY L.K. Kind DATE 10-10-60
INDEXED H. E. Ott DATE
NOTES RED. DATE
NOTES CHKD. DATE

F.B. 2198 Pg. 18

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
π	593.469					
−	0.763					
T.P.	592.706					
+	10.122					
π	602.828					
−	0.508					
T.P.	602.320					
+	10.221					
π	612.541					
−	0.510					
T.P.	612.031					
+	11.187					
π	623.218					
−	0.573					
T.P.	622.645					
+	8.818					
π	631.463					
−	0.802					
T.P.	630.661					
+	10.480					
π	641.141					
−	1.339					
B.M. 36-9	639.802					BM 36-9, EL = 639.794, PAG 1375-15 SEE pg 15 FOR DISC.

76L-298 CE 307 11-58

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STATION	B.S.	H.I.	F.S.	ELEV.	SMH AT ENROSE AVE & SUMMERLAND STREET
T.B.M. # 2	4 24	527 35		523 11	T.B.M. # 2 ELEV= 523.108, PER pg 16
S.M.H.			4 60	522 75	SMH (AVER RIM) ON APPROX ℄ OF ENROSE AVE AND 12° NORTH OF APPROX ℄ OF SUMMERLAND STREET
			12 73	514 62	8" INLET NORTH INVERT
			12 84	514 51	8" OUTLET EAST INVERT

	N.	E.
ROD	4.60	4.60
MEAS	7.46	7.57
DIA	0.67	0.67
	12.73	12.84

STATION	B.S.	H.I.	F.S.	ELEV.	SMH AT ENROSE AVE & SUMMERLAND STREET
T.B.M. # 2			4 24	523 11	T.B.M. # 2 EL= 523.108 PER pg 16

Profile Notes Red ____ Plotted ____ Job No. 0432.00 Division No. 11 F.B. 2198 Pg. 19
No. ____ Date ____ Date ____ Survey of SANITATION INVESTIGATION
X-Sec. Notes Chkd. ____ Checked ____ Survey by LIND Notes LIND Date 10-10-60
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

B. E. OTT

76L-298 CE 307 11-58

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STATION	B.S.	H.I.	F.S.	ELEV		
T.B.M.# 1	120	555 30		554 10	T.B.M.# 1 EL= 554.100 PER. PG 16	
					NOTE: PROFILE SHOTS WERE TAKEN AT POINTS INDICATED ON VELLUM SHEET. SHOTS ARE NUMBERED	
T.P.	092	545 76	10 46	544.84	ON VELLUM AND CORRESPOND WITH	
T.P.	280	536 96	11 60	534 16	SHOTS NUMBERED IN PROFILE NOTES.	
SHOT # 7			6 72	530 24	AT APPROX ℄ INT. VIA COLINITA AND ENROSE AVE	
T.P.	1183	545 99	2 80	534 16		
T.P.	10 37	555 21	1 15	544 84		
SHOT # 6			3 69	551 52	@ APPROX ℄ INT. OF E. BAR. MIRALESTE & COLINITA	
T.P.	271	556 81	1 11	554 10		
SHOT # 5			3 00	553 81	@ APPROX ℄ INT. OF W. BARR MIRALESTE & COLINITA	
T.P.	459	551 50	9 90	546 91		
SHOT # 11			7 50	544 00	@ LOW ON ℄ COLINITA ± 40' EAST OF ℄ INT.	
T.P.	167	548 18	4 99	546 51	OF VIA COLINITA & VIA LA PALOMA	
T.P.	085	539 22	9 81	538 37		
T.P.	072	528 40	11 54	527 68		
SHOT # 10			11 0	517 40	@ NLY LOT COR FD OLD 2" I.P.	
SHOT # 10			7 0	521 40	@ NLT LOT COR. @ CHAIN LINK FENCE COR. (NEW FENCE)	

F.B. 2198 PG. 20
Job No. 0432 00 Division No. 11 Notes Red Plotted Profile
Survey of SANITATION INVESTIGATION Date Date No. X-Sec.
Survey by LINN Notes LINN Notes Chkd. Checked
Indexed H. E. OTT Date Date Date No.

761-298 CE 307 11-58

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STATION	B.S.	H.I.	F.S.	ELEV.		
		528 40				
T.P.	070	518 02	1108	517 32		
T.P.	274	513 09	767	510 35		
SHOT #9			13	511 7	TAKEN @ ANGLE POINT IN FENCE LINE	
T.P.	531	512 36	604	507 05		
SHOT #8			+12	513 6	TAKEN @ FENCE CORNER	
T.P.	1009	520 33	212	510 24		
SHOT #1			400	516 33	@ ℄ INT. OF KINGS RIDGE DR & MIRALESTE	
SHOT #2			551	514 82	750± S. OF ℄ COLINITA & 6' E. OF W. CURB	
T.P.	1059	530 19	073	519 60		
SHOT #3			720	522 99	500'± S. OF ℄ COLINITA & 6' E. OF W. CURB	
T.P.	1056	540 50	019	530 00		
SHOT #4			362	536 94	250± S. OF ℄ COLINITA & 6' E. OF W. CURB	
T.P.	1136	551 65	027	540 29		
T.P.	576	557 24	011	551 54		
T.B.M. #1			315	554 09	T.B.M. #1 = EL. 554.10 Pg. 16	

Profile Notes Red. _____ Plotted _____ Job No. 6132.00 Division No. 11 F.B. 2198 Pg. 21
No. _____ Date _____ Date _____ Survey of Subdivision Tract 35900
X-Sec. Notes Chkd. _____ Checked _____ Survey by Line Notes Line Date 10-10-66
No. _____ Date _____ Date _____ Map No. _____ Indexed H.E.Q. Date _____

F.B. 2198 Pg. 22

Job No. 0432.00 Division No. 11 Notes Red _____ Plotted _____ Profile

Survey of SANITATION INVESTIGATION Date _____ Date _____ No. _____

Survey by LINO Notes LINO Notes Chkd. _____ Checked _____ X-Sec.

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

76L-296 CE 307 11-58

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F.B. 2198 PG. 23

Profile No. ____ Notes Red ____ Date ____ Plotted ____ Date ____ Job No. C.I. 0432.00 Division No. ____ Survey of RANDOLPH ST.

X-Sec. No. ____ Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey by L.L.B. Notes P.H. Date 10-13-60 Map No. ____ Indexed ____ Date ____

RANDOLPH ST.

C.I. 0432.00

BENCH LEVELS

PARTY

BROWN, L.L.
HARRINGTON, P.
FALSEY, J.
MARTINEZ, E.
WORKMAN, A

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

indexed 10/14/60

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78L-298 CE 307 11-58

76L-298 CE 307 11-58

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STATION	B.S.	H.I.	F.S.	ELEV.		
FD. B.M. SY 3213				131 660	B.M. SY 3213 ELEV. 131.661, RD. DEPT. Pg. 242 L. & T. S. Cb. WATCHER ST. ±1' W. OF Cb. RET., S. W. COR. WATCHER ST. & EASTERN AVE.	
	7 610	139 270				
T.P.			2 265	137 005	SPK.	
	5 585	142 590				
SET B.M. MV-45			6 500	136 090	B.M. MV-45 INT. RANDOLPH ST. & EASTERN AVE. N.W. COR. L&T. 21'± N. OF N. END C.R.	
	4 875	140 965				
T.P.			6 070	134 895	SPK.	
	3 470	138 365				
T.P.			5 070	133 295	SPK.	
	5 275	138 570				
T.P.			4 880	133 690	SPK.	
	5 260	138 950				
T.P.			4 730	134 220	SPK.	
	4 700	138 920				
SET B.M. MV-46			4 490	134 430	B.M. MV-46 RANDOLPH ST. 870'± W. INT. OF	

CONT. Pg. 25

F.B. 2198 Pg. 24

Job No. 0432.00 GI. Division No. Notes Red Plotted Profile
Survey of RANDOLPH ST. Date Date No. X-Sec.
Survey by L.L.B. Notes P. HARRINGTON Notes Chkd. Checked
Indexed H. E. OTT Date Date Date No.

76L-298 S & E #307—1-56

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STATION	B. S.	H. I.	F. S.	ELEV.		
(CONT) MV-46	CONT. FROM PG. 24			134 430	INT. RANDOLPH ST. & EASTERN AVE. N. SIDE, BT. SPK. IN LD. IN CONC. W. 5' E. OF W. END WK.	
	4 645	139 075				
T.P.			5 170	133 905	SPK.	
	4 550	138 455				
T.P.			5 150	133 305	SPK.	
—	5 465	138 770				
T. P.			3 090	135 680	SPK.	
	6 110	141 790				
T.P.			6 345	135 445	SPK.	
	2 600	138 045				
B.M. SY 3213			6 390	131 655	B.M SY 3213 ELEV. 131.661 SEE PG. 24 FOR DESCRIPTION	

Profile Notes Red. ____ Plotted ____ Job No. CI 04332 00 Division No. ____
No. ____ Date ____ Date ____ Survey of RANDOLPH ST.
X-Sec. Notes Chkd. ____ Checked ____ Survey by L.L.B. Notes P.H. Date 10-13-60
No. ____ Date ____ Date ____ Map No. ____ Indexed H.E. OTT Date ____

F. B. 2198 PG. 25

F. B. 2198 PG. 26 C.I.

Job No 0432 00 Division No. _____ Notes Red. _____ Plotted _____ Profile

Survey of RANDOLPH ST. Date _____ Date _____ No. _____

Survey by L.L.B. Notes P.H. Notes Chkd. _____ Checked _____ X-Sec.

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

76L-298 S & E #307—1-56

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Notes Ck'd by	Survey of RANDOLPH ST. C.I.	F. B. 2198 Pg. 27
Map No.	JN 0432.00 Tape Std °F	
Office Work	Surveyed by L.L. BROWN	
Checked	Notes L.L. BROWN Date 10-13-60	
Date	Indexed H. E. OTT OCT 1 1960	

RANDOLPH ST.

C.I. 0432.00

TOPOGRAPHY

-PARTY-

BROWN, L.L.
HARRINGTON, P.
FALSEY, J.
MARTINEZ, E.
WORKMAN, A.

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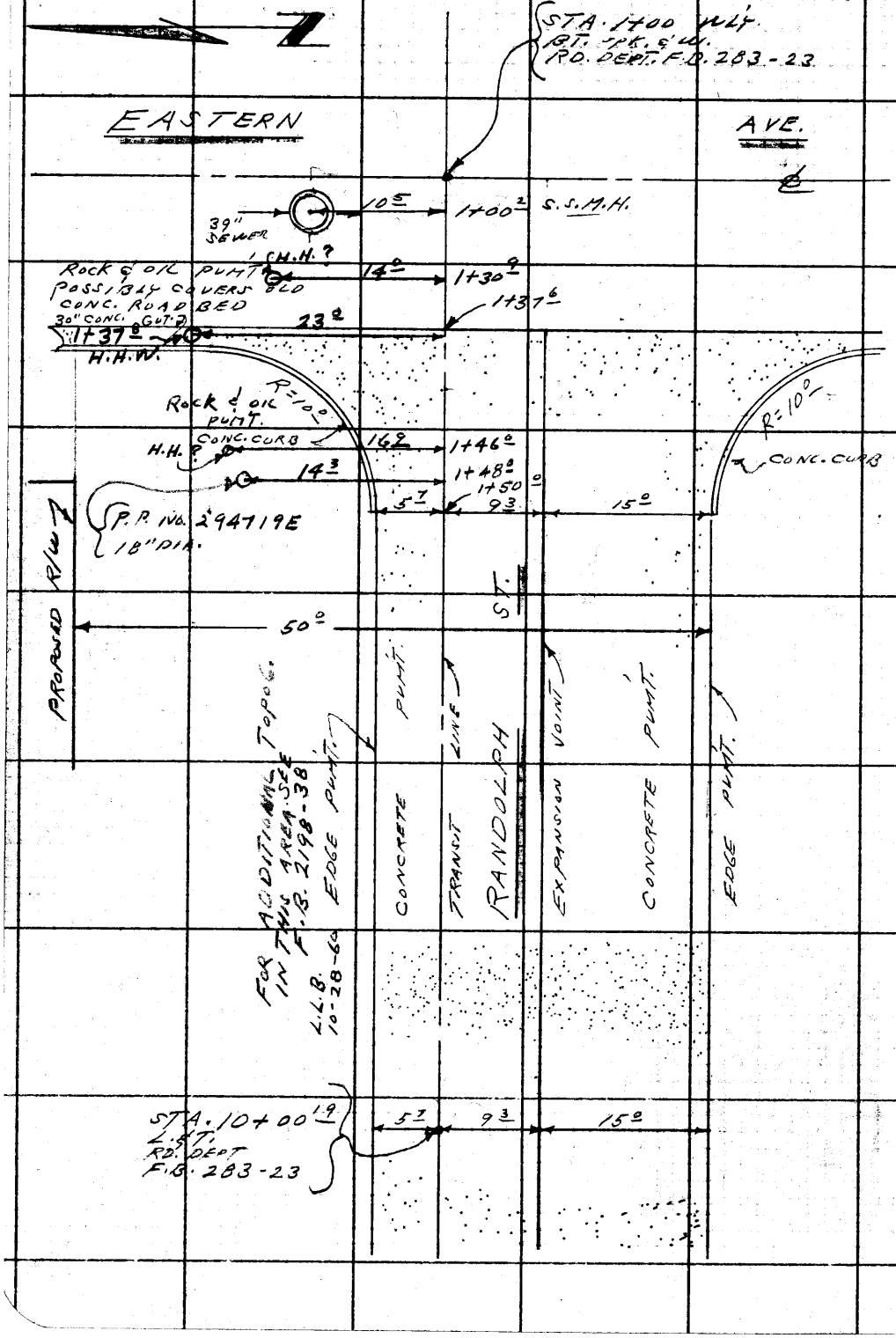
76F309S S&E #247 11-58

F. B. 2198 PG. 28



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Profile	Notes Red.	Plotted	Job No. C.I. 0432.00	Division No.	F. B. 2198 Pg. 29
No.	Date	Date	Survey of RANDOLPH ST.		
X-Sec.	Notes Chkd.	Checked	Survey by L.L.B.	Notes P.H.	Date 10-13-60
No.	Date	Date	Map No.	Indexed N. E. On	Date

RANDOLPH ST.

C.I. 0432.00

PROFILE & CROSS-SECTIONS

BEGIN PROF. & CROSS-SECTIONS AT INT. OF RANDOLPH ST. & EASTERN AVE. GOING WEST ON RANDOLPH ST. FOR 1100'±

LENKER ROD USED

ELEV.	PARTY BROWN, L.L. HARRINGTON, P. FALSEY, J.
F. B.	MARTINEZ, WORKMAN, A.
H. I.	
B. S.	
STATION	

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76L-298 S & E #307—1-56

76L-298 S & E #307—1-56

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STATION	B. S.	H. I.	F. S.	ELEV.		
FD. B.M. MV-45				136 09	SEE PG. 24 FOR DESCRIPTION	
1+00				137 0	INT. RANDOLPH ST. & EASTERN AVE	
1+00 2 M.H.	E	RIM 136	92	136 92	10 5 RT. (N.) S.S.M.H.J.C.	MEAN RIM
	W	RIM 136	92			MEAN R. 136. 92
	MEAN	RIM 136	92			MEAS. 20. 61
						T. PIPE 116. 31
						DIA " 3. 25
				113 06	INV. 39" INLET NORTH	INV. 113.06
						MEAN 136.92
						MEAS.
						T. PIPE
						DIA. "
					INV. 8" STUB INLET EAST	INV.
					NOT ABLE TO LOCATE STUB TO EAST	L.L.B.

F. B. 2198 PG. 30 CI. Job No. 0432.00 Division No. Notes Red. Plotted Profile
Survey of RANDOLPH ST. Date Date No. X-Sec.
Survey by L.L.B. Notes P.H. Notes Chkd. Checked
Indexed U. E. OTT Date Date Date No.

76L-298 CE 307 11-58

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STATION	B.S.	H.I.	F.S.	ELEV.			
1+00 2 M.H.						MEAN R.	136.92
						MEAS.	21.40
						T. PIPE	115.52
						DIA."	0.67
				114 85	INV. 8" STUB INLET WEST	INV.	114.85
						MEAN R.	136.92
						MEAS.	20.64
						T. PIPE	116.28
						DIA."	3.25
				113 03	INV. 39" OUTLET SOUTH	INV.	113.03
1+37 6				13 6 44		⊼	E. EDGE CONC. X-GUT.
1+40				13 6 25		⊼	GRD. BRK. X-GUT.
				13 5 95		15 8	RT. (N) GUT.
				13 6 46		"	" " T. Gb.
				13 6 76	35° LT. (S) GUT.		

Profile No. ____ Notes Red ____ Plotted ____ Job No. 04322 00 Division No. ____ CI.
X-Sec. No. ____ Date ____ Date ____ Survey of RANDOLPH ST.
Notes Chkd. ____ Checked ____ Survey by L.L.B. Notes P.H. Date 10-13-60
Date ____ Date ____ Map No. ____ Indexed H. E. OTT Date ____

F.B. 2198 PG. 31

76L-298 CE 307 11-58

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STATION	B.S.	H.I.	F.S.	ELEV		
1+40.0				137 30	35.0 LT.(S.) T. Ch.	
1+50				136 66		GRD. BRK.
				136 61		6' RT.(N) GUT.
				136 88		" " " T. Ch.
				136 75	9.3 LT.(S) ℄ PUM'T.	
				136 76	25 " " GUT.	
				137 32	" " " T. Ch.	
2+00				135 75		
				135 71		5.7 RT.(N) PUM'T. EDGE
				135 89	9.3 LT.(S) ℄ PUM'T.	
				135 83	24.3 " " PUM'T. EDGE	
3+00				133 97		
				133 94		5.7 RT.(N) PUM'T. EDGE
				134 14	9.3 LT.(S) ℄ PUM'T.	
				134 00	24.3 " " PUM'T. EDGE	
3+43.0	GRD. BRK.			133 22		GRD. BRK. PUM'T.

F.B. 2198 PG. 32 CI. Job No. 0432.00 Division No. ____ Notes Red ____ Plotted ____ Profile ____
Survey of RANDOLPH ST. Date ____ Date ____ No. ____
Survey by L.L.B. Notes P.H. Notes Chkd. ____ Checked ____ X-Sec. ____
Indexed H.E. Off Date ____ Date ____ Date ____ No. ____

76L-298 CE 307 11-58

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STATION	B.S.	H.I.	F.S.	ELEV.		
3+43.0				133 39		5.7 RT.(N.) PUM'T. EDGE
				133 26	9.3 LT.(S) ℄ PUM'T.	
				133 10	24.3 " " PUM'T. EDGE	
4+00				133 32		
				133 36		5.7 RT.(N.) PUM'T. EDGE
				133 26	9.3 LT.(S) ℄ PUM'T.	
				133 17	24.3 " " PUM'T. EDGE	
5+00				133 37		
				133 38		5.7 RT.(N.) PUM'T. EDGE
				133 31	9.3 LT.(S) ℄ PUM'T.	
				133 26	24.3 " " PUM'T. EDGE	
6+00				133 58		
				133 60		5.7 RT.(N.) PUM'T. EDGE
				133 55	9.3 LT.(S) ℄ PUM'T.	
				133 44	24.3 " " PUM'T. EDGE	
7+00				133 75		

Profile Notes Red ____ Plotted ____ Job No. 0432.00 Division No. ____
No. ____ Date ____ Date ____ Survey of RANDOLPH ST.
X-Sec. Notes Chkd. ____ Checked ____ Survey by L.L.B. Notes P.H. Date 10-13-60
No. ____ Date ____ Date ____ Map No. ____ Indexed H. E. OTT Date ____

F.B. 2198 PG. 33

76L-298 CE 307 11-58

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STATION	B.S.	H.I.	F.S.	ELEV		
7+00				133 77		5^2 RT. (N) PUM'T. EDGE
				133 72	9^3 LT. (S) ℄ PUM'T.	
				133 58	24^3 " " PUM'T. EDGE	
8+00				134 04		
				134 06		5^2 RT. (N) PUM'T. EDGE
				133 98	9^3 LT. (S) ℄ PUM'T.	
				133 90	24^3 " " PUM'T. EDGE	
9+00	0			134 26		
				134 26		5^2 RT. (N) PUM'T. EDGE
				134 24	9^3 LT. (S) ℄ PUM'T.	
				134 06	24^3 " " PUM'T EDGE	
10+00				134 38		
				134 41		5^2 RT. (N) PUM'T. EDGE
				134 38	9^3 LT. (S) ℄ PUM'T.	
				134 21	24^3 " " PUM'T. EDGE	

F.B. 2198 PG. 34 C.I. Job No. 0432 00 Division No. ____ Notes Red ____ Plotted ____ Profile ____
Survey of RANDOLPH ST. Date ____ Date ____ No. ____
Survey by L.L.B. Notes P.H. Notes Chkd. ____ Checked ____ X-Sec. ____
Indexed B. E. OTT Date ____ Date ____ No. ____

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STATION	B.S.	H.I.	F.S.	ELEV.		
11+00				134 52		
				134 57		5^{2} RT. (N) PUM'T. EDGE
				134 48	9^{3} LT. (S) ℄ PUM'T.	
				134 28	24^{3} " " PUM'T. EDGE	
12+00				134 64		
FD B.M. MV-46				134 44	ELEV. 134.430	
					SEE PGS. 24, 25 FOR DESCRIPTION	

Profile No. ____ Notes Red ____ Plotted ____ Job No. CI 0432 00 Division No. ____
Date ____ Date ____ Survey of RANDOLPH ST.
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by L.L.B. Notes P.H. Date 10-13-60
Date ____ Date ____ Map No. ____ Indexed ____ B. E. OTT Date ____

F.B. 2198 PG. 35

F.B. 2198 Pg. 36

Job No. C.I. 0432 00 Division No. _____ Notes Red _____ Plotted _____ Profile

Survey of RANDOLPH ST. Date _____ Date _____ No. _____

Survey by L.L.B. Notes P.H. Notes Chkd. _____ Checked _____ X-Sec.

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

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76L-298 CE 307 11-58

Notes Ck'd by	Survey of RANDOLPH ST.	F. B. 2158 Pg. 37
Map No.	JN 4601.14 Tape Std °F	
Office Work	Surveyed by L. L. B.	
Checked	Notes P. HARRINGTON Date 10-28-60	
Date	Indexed M. E. OTT NOV 1 '60	

RANDOLPH ST.
J.N. 4601.14

ADDITIONAL TOPOGRAPHY

PARTY
BROWN, L.L.
HARRINGTON, P.
FALSEY, J.
MARTINEZ, E.

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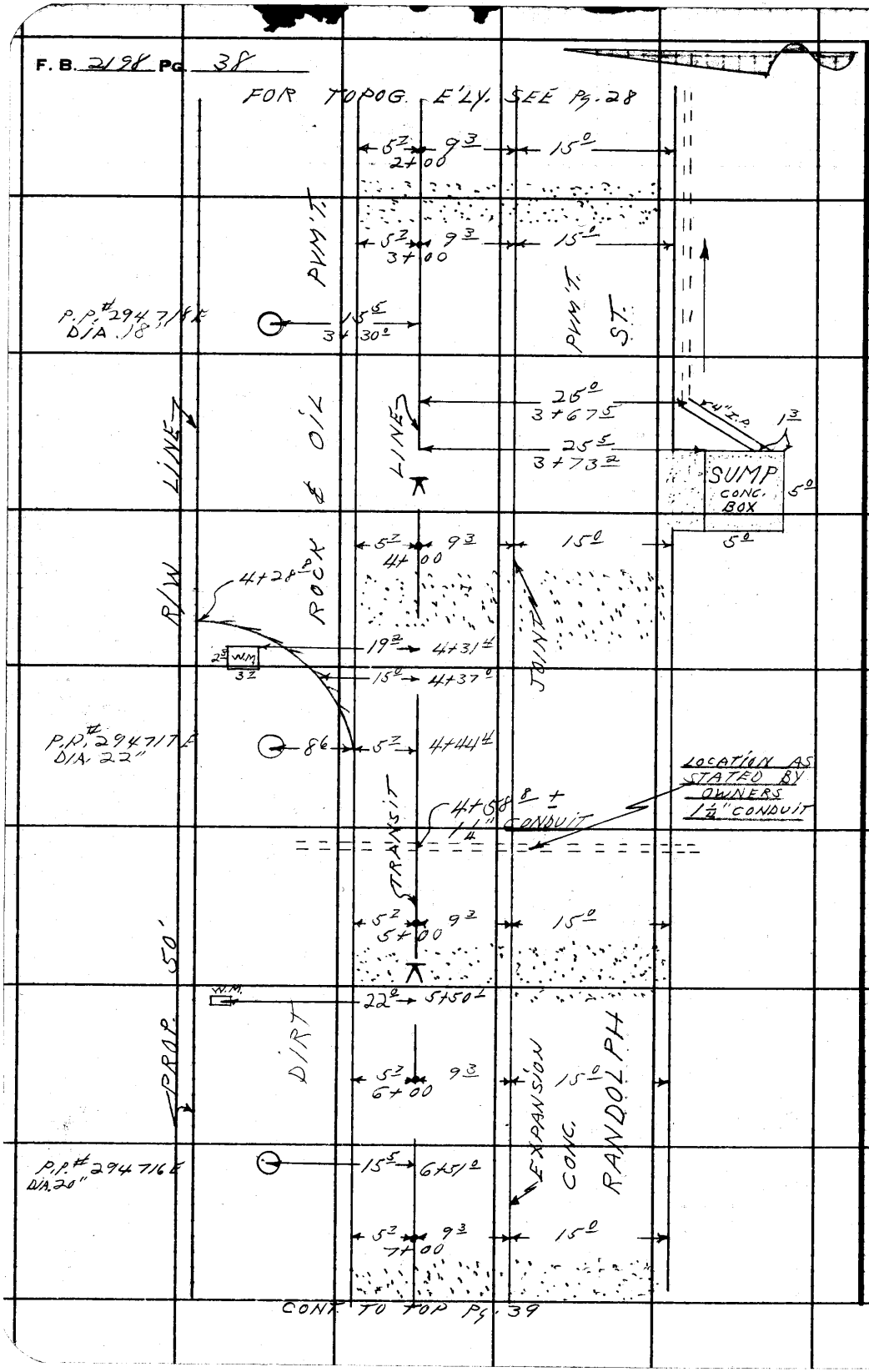

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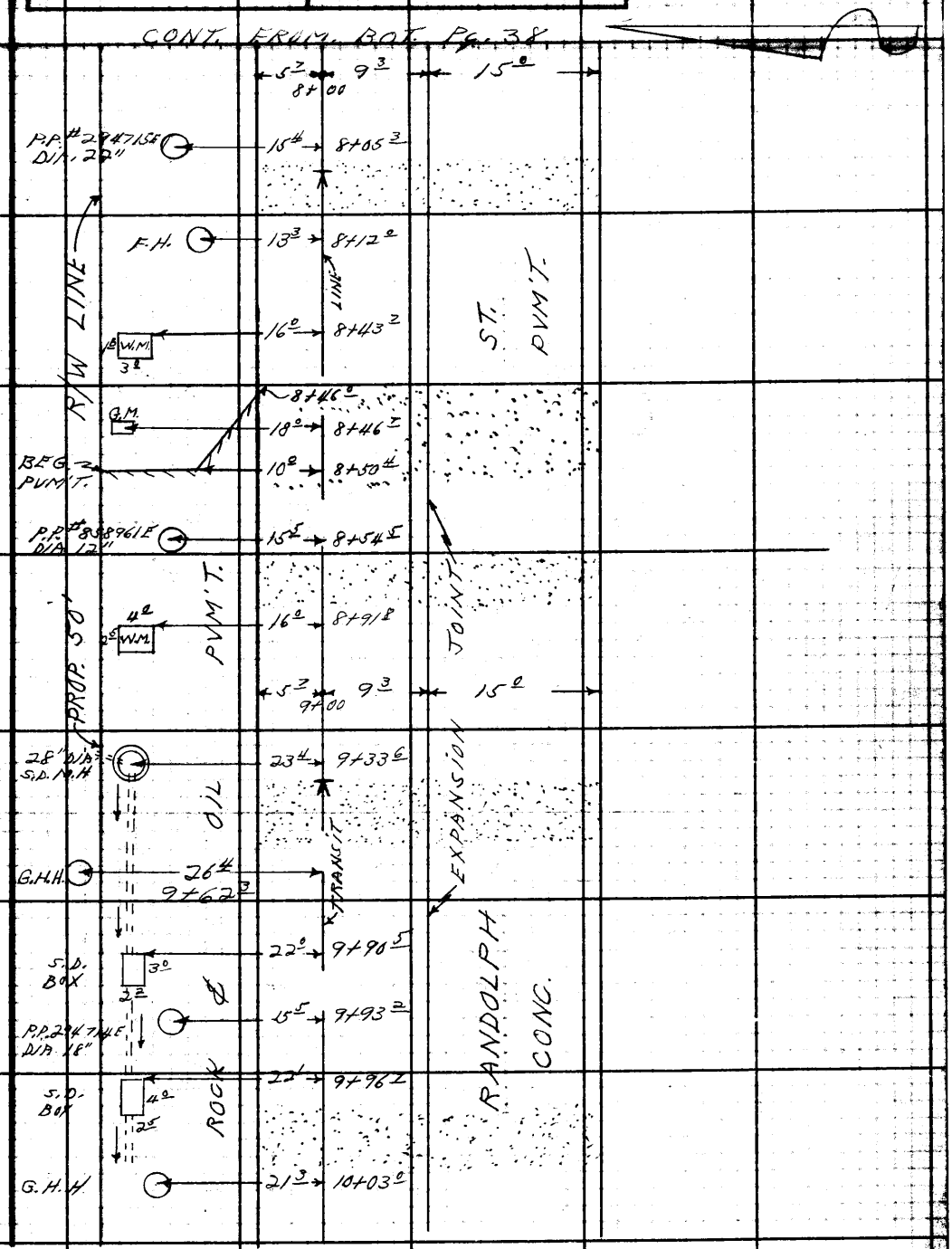
Notes Ck'd by	Survey of RANDOLPH ST.
Map No.	JN 4601.14 Tape Std °F
Office Work	Surveyed by L.L.B.
Checked	Notes P.H. Date 10-28-60
Date	Indexed

F. B. 2198 Pg. 39

H. E. OTT



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F. B. 2188 PG. 40

Profile No.	Notes Red Date	Plotted Date	Job No. 0432.00	Division No. 11	F.B. 2198 PG. 41
			Survey of Sam. Inves. C Mansel Ave.		
X-Sec. No.	Notes Chkd. Miller Date	Checked Date	Survey by D. Sappell	Notes D.S.	Date 11-2-60
			Map No.	Indexed H. E. OTT	Date APR 24 '81

JN. 0432.00

INV. EL. OF EXIST S.M.H.

780± N. OF ℄ IMPERIAL HWY

ON MANSEL AVE

STATION	B.S.	H.I.	F.S.	ELEV.
		Sappell Landa Clifford		

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76L-288 CE 307 11-58

76L-298 CE 307 11-58

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STATION	B.S.	H.I.	F.S.	ELEV.			
BM SY 890-A				71.46	BM SY 890-A El. 71.462 L.A. Co Rd. Dept. Survey Sec. Cons. Div. (Hawthorne Quad) Imperial Hwy & Mansel Ave, N.W. cor. Lead & Bench Nail 1'± E. of C.R.		
	331	74.77					
T.P.			428	70.49	T.P.		
	489	75.38					
T.P.			470	70.68	T.P.		
	475	75.43					
S.M.H.			475	70.68	N. Rim	S.M.H.	
780'± N. of ℄ Imperial Hwy in Mansel Ave			1264	62.79	8" Inlet N.	4.75 Rod	4.76
			1264	62.79	8" Outlet S.	7.22 Meas.	7.21
						0.67 Diam	0.67
						12.64	12.64
T.P.	463	75.36	470	70.73	T.P.		
T.P.	600	76.42	494	70.42	T.P.		
BM SY 889-A			547	70.95	BM 889-A El. 70.959 L.A. Co Rd Dept. Survey Sec. Cons. Div (Hawthorne Quad) Imperial Hwy & Mansel Ave, N.E. cor. lead & bench nail 1' E. of W. end C.R.		

F.B. 2198 PG. 42 Job No. 0432.00 Division No. 11 Notes Red ____ Plotted ____ Profile ____
Survey of San. Inves. (Mansel Ave) Date ____ Date ____ No. ____
Survey by Sappell Notes D.S. Notes Chkd. ____ Checked ____ X-Sec. ____
Indexed H.E. on Date ____ Date ____ Date ____ No. ____

Profile No.	Notes Red Date	Plotted Date	Job No. 0432.00	Division No. 11	F.B. 2198 PG. 43
X-Sec. No.	Notes Chkd. Miller Date May 1961	Checked Date	Survey of PACKERS AVE. SEWER STUDY		
			Survey by RICHARDS Notes W.A.R. Date 4-61		
			Map No.	Indexed H. E. OTT	Date

J. N. 0432.00

PACKERS AVENUE STUDY

BENCH CIRCUIT

THIS CIRCUIT BASED UPON THE L. A. COUNTY ROAD DEPT. PRECISE NETWORK RIVERA QUAD., 1955 RD. 815 PG. 367

4-27-61

RICHARDS
OCHSNER
CROWDER

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

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76L-298 CE 307 11-58

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F.B. 2198 Pg. 44
Job No. 0432.00 Division No. 11
Survey of PACKERS AVE. SEWER STUDY
Survey by RICHARDS Notes W.H.K.
Indexed B.E.Ott Date
Plotted Date Checked Date
Profile No. X-Sec. No.
Notes Red Date Notes Chkd. Date

STATION	B. S.	H. I.	F. S.	ELEV.		
FD. B.M. S.Y. 9658				182.764	B.M. S.Y. 4658 EL. = 182.764 RIVERA QUAD 1955	
	5.263	188.027			SQ. HD. BOLT & LEAD ON W. CB. OF DOWNEY RD.	
T. P.			4.695	183.332	50'± S. OF ℄ PACKERS AVE.	
	5.630	188.962				
T. P.			4.440	184.522		
(SET)	5.180	189.702				
B.M. #1			4.515	185.187	B.M. # 1 EL. = 185.187	FB. 2198-44
	5.605	190.792			PACKERS AVE., N. SIDE, @ W. & P. R/W.	
T. P.			4.402	186.390	L. & T. IN N. CB. @ E. R/W LINE.	
(SET)	6.190	192.580				
B.M. # 2			4.998	187.582	B.M. # 2 EL. = 187.582	FB. 2198-44
	5.495	193.077			PACKERS AVE. & ALCOA AVE.	
					L. & T. IN CB. ON ℄ PROD. OF PACKERS AVE.	
(FD.) B.M. V-513			4.930	188.147	B.M. V-513 EL. =	NO REF.
	5.040	193.187			ALCOA AVE. & E. 45 ½ ST.	
T. P.			5.895	187.292	SPK. IN LEAD IN W. CB. 2° N. ℄ PROD.	
	4.825	192.117				
B.M. # 3			5.860	186.257	B.M. # 3 EL. = 186.257	FB. 2198-44
	4.210	190.467			45 ½ ST., S. SIDE, @ W. & P. R/W.	
					L. & T. IN S. CB. @ E. R/W LINE	

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STATION	B.S.	H.I.	F.S.	ELEV.		
		190.467 ✓				
T.P.			5.350	185.117 ✓	—	
(SET)	4.670	189.787 ✓				
B.M. #4			5.635	184.152 ✓	B.M. #4 EL. = 184.152	FB. 2198-45
	5.295	189.447 ✓			45th ST. & ALLEY	W. OF DOWNEY RD.
					N.E. COR. L.&T.	2° E. OF E. END C.R.
(FD.) B.M. SY. 4657			5.322	184.125 ✓	B.M.S.Y 4657 EL. = 184.071	RIVERA QUAD. 1955
	4.810	188.935 ✓			DOWNEY RD. & E. 45th ST., N.W. COR.	
					L.&T. 3° W. OF W. END C.R.	RD. 815-367
(FD.) B.M.S.Y. 4658			6.175	182.760 ✓	B.M.S.Y. 4658 EL. = 182.764	RIVERA QUAD. - 1955
					SQ. HD. BOLT & LEAD ON W. CB. OF DOWNEY RD.	
					50'± S. OF ℄ PACKERS AVE.	RD. 815-367

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0432.00 Division No. 11 F.B. 2198 Pg. 75
Date ____ Date ____ Survey of PACKERS AVE. STUDY
X-Sec. No. ____ Notes Chkd Miller Checked ____ Survey by RICHARDS Notes W.H.K. Date 4-61
Date May 1961 Date ____ Map No. ____ Indexed H. E. OTT Date ____

F. B. 2198 PG. 46 | 0432.00

Job No. _____ Division No. 11 Notes Red _____ Plotted _____ Profile

Survey of PACKERS AVE. STUDY Date _____ Date _____ No. _____

Survey by RICHARDS Notes W. H. R. Notes Chkd. _____ Checked _____ X-Sec.

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

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76L-204 CE 307 11-58

Notes Ck'd by	Survey of PACKERS AVE. S.L. DIST
Map No.	JN 0432.00 Tape 171 Std 68 °F
Office Work	Surveyed by W. A. RICHARDS
Checked	Notes W. A. R. Date 4-61
Date	Indexed H. E. On MAY 5 '61

F. B 2198 Pg. 47

J. N. 0432.00

PACKERS AVENUE STUDY

LOCATION & ELEVATIONS OF VARIOUS MAN-HOLES AND EXISTING HOUSE CONNECTIONS

4-27-61

RICHARDS
OLHSNER
CROWDER

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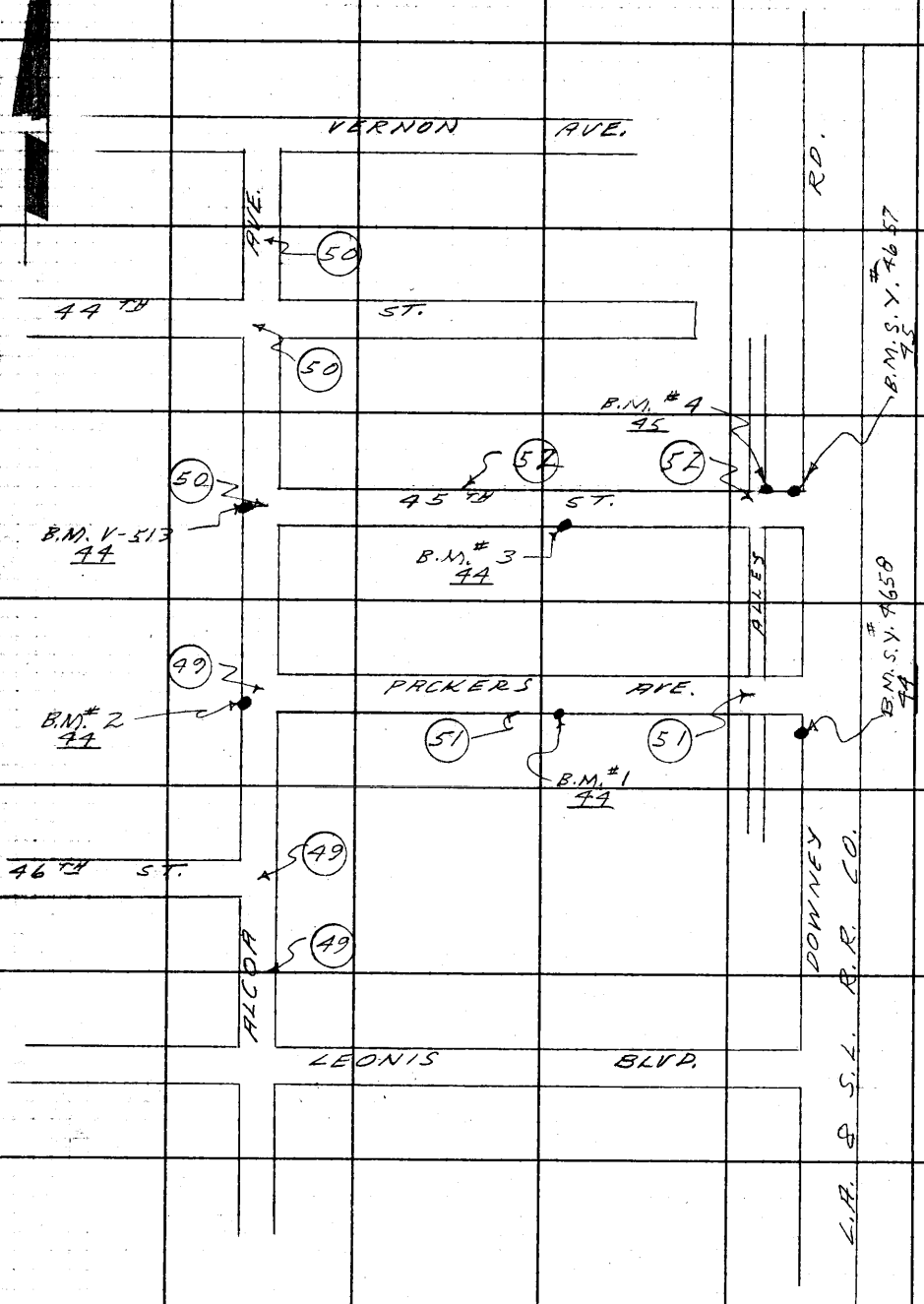
76F3095 CE #247—3-57

F.B. 2198 Pg. 48

AREA INDEX
NO SCALE



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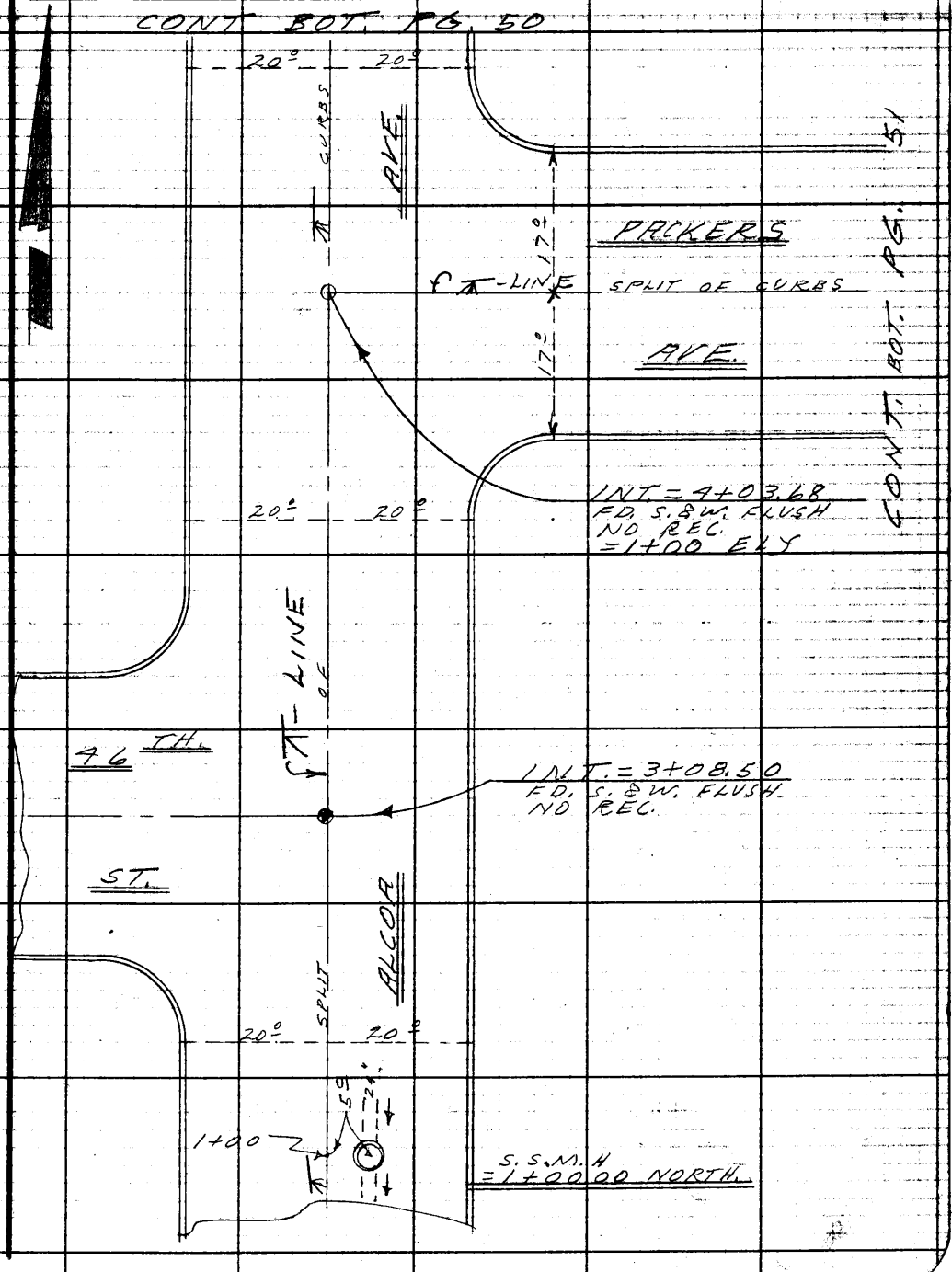
Notes Ck'd by	Survey of PACKERS AVE. STUDY
Map No.	IN 437.00 Tape 0171 Std 68 °F
Office Work	Surveyed by W. A. RICHARDS
Checked	Notes W. A. R. Date 4-61
Date	Indexed H. E. Om

F. B. 2198 PG. 49



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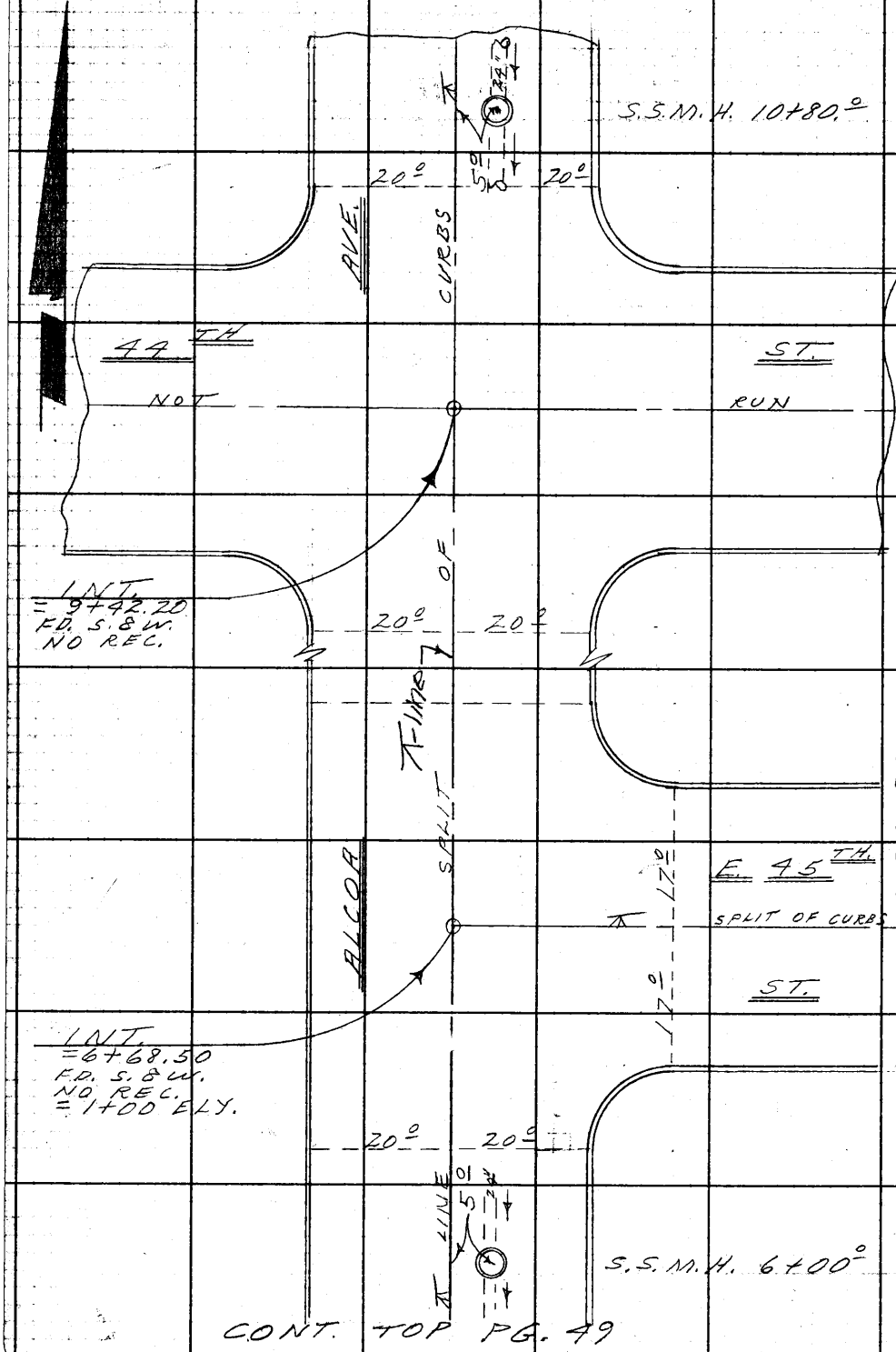
76F3095 CE #247—3-57

F.B. 2198 Pg. 50



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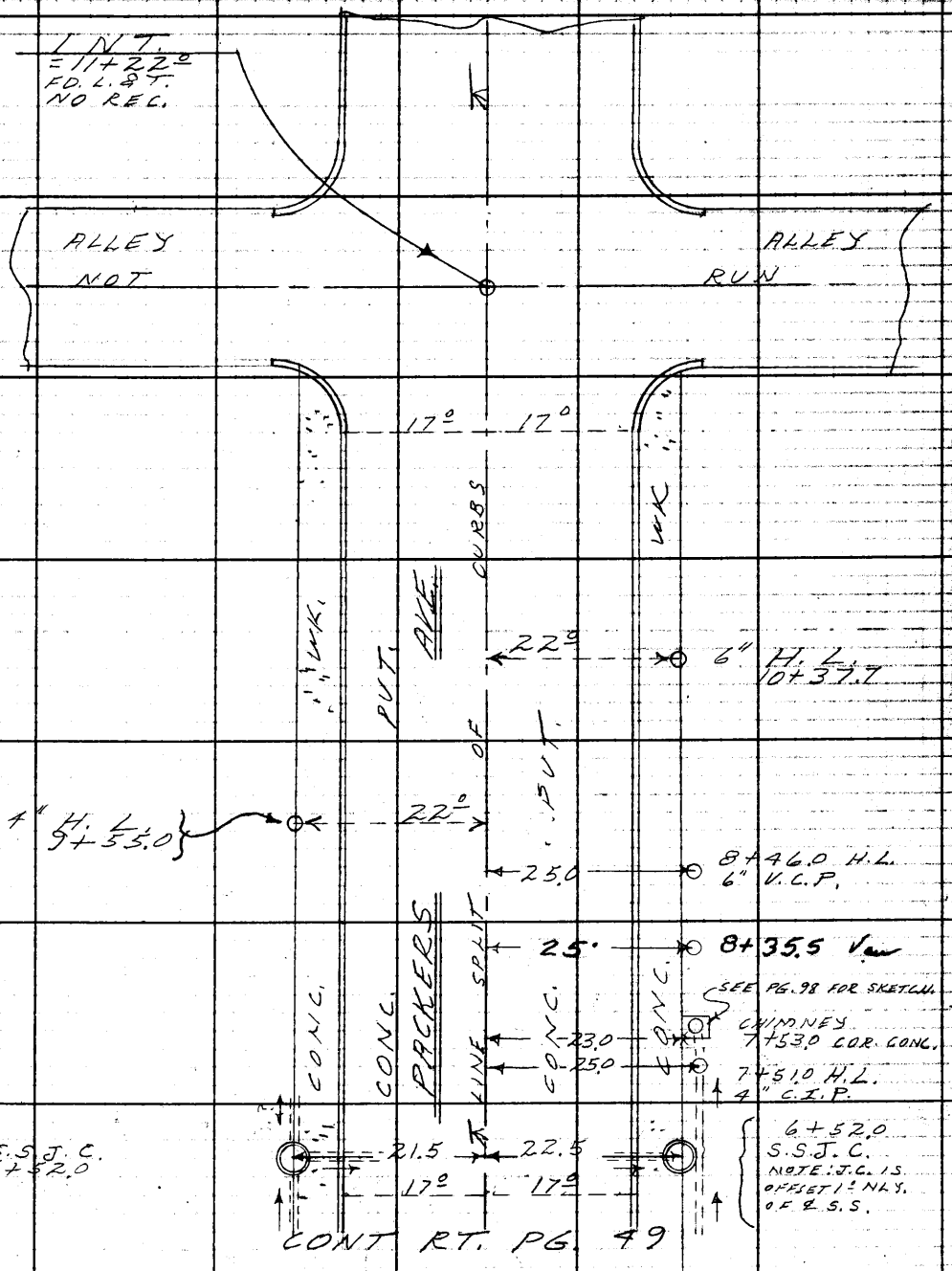
Notes Ck'd by	Survey of PACKERS AVE. STUDY
Map No.	IN 0432.00 Tape 171 Std 68 °F
Office Work	Surveyed by W. A. RICHARDS
Checked	Notes W. A. R. Date 9-61
Date	Indexed E. E. OTT

F. B. 2196 PG. 51



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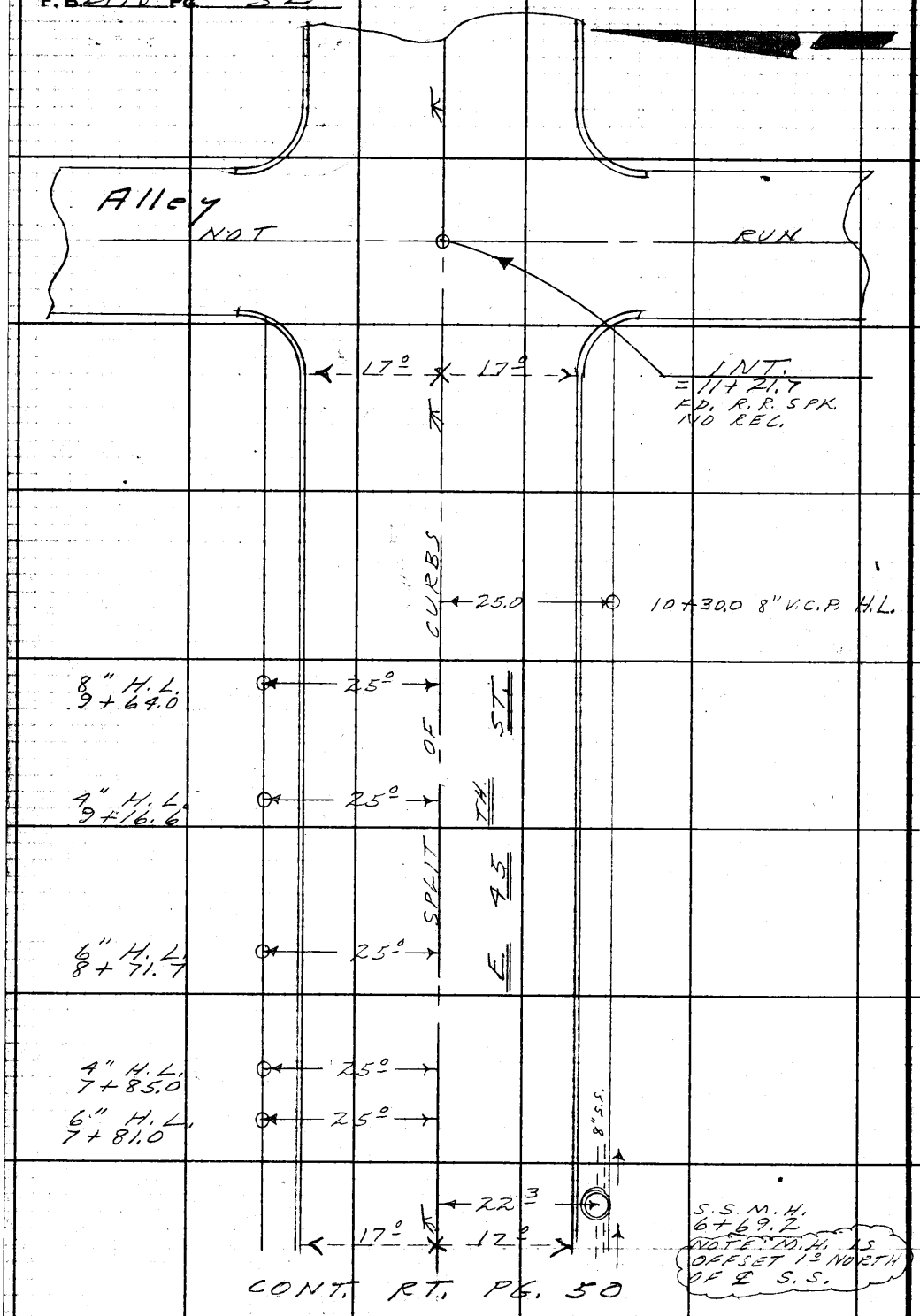
76F309S CE #247—3-57

F.B. 2198 Pg. 32



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Profile No. ____ Notes Red. ____ Date ____ Plotted ____ Date ____ Job No. 0432.00 Division No. 11 Survey of PACKERS AVE. STUDY

X-Sec. No. ____ Notes Chkd. Miller Date May 1961 Checked ____ Date ____ Survey by RICHARDS Notes W.A.R. Date 4-61

Map No. ____ Indexed H. E. OTT Date MAY 5 1961

F.B. 2198 Pg. 53

J.N. 0432.00

PACKERS AVE. STUDY

INVERT ELEVATIONS OF EXISTING SEWER MANHOLES ON ALCOA AVE

1+00 = ℄ OF EXISTING MANHOLE ON ALCOA AVE., 208.5' S. OF 46TH ST.

LOCATION SURVEYS – F.B. 2198: 47-54
BENCH LEVEL " " " 43-46

4-27-61
RICHARDS
OCHSNER
CROWDER

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

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76L-298 CE 307 11-58

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F.B. 2198 Pg. 54 | Job No. 0432.00 | Division No. 11 | Notes Red ____ Date ____ | Plotted ____ Date ____ | Profile No. ____ | X-Sec. No. ____

Survey of PACKERS AVE. STUDY | Notes Chkd. ____ Date ____ | Checked ____ Date ____

Survey by RICHARDS | Notes W.A.R. | Indexed H.E. Ott Date ____

STATION	B.S.	H.I.	F.S.	ELEV.	ALCOA AVE.	
B.M. # 2				187.58	B.M. # 2 EL. = 187.582	F.B. 2198-44
	458	192.16			PACKERS AVE. & ALCOA AVE.	
					L.S.T. IN CB. ON ℄	PROD. PACKERS AVE.
1+00	S.S.M.H.		5.77	186.39		5° RT. N. RIM.
			5.78	186.38		" " S. "
			18.83	173.33	24" INLET NORTH	5.77 ROD 11.06 MEAS. 2.00 DIA. 18.83
			19.00	173.16	24" OUTLET SOUTH	5.78 ROD 11.22 MEAS 2.00 DIA. 19.00
T.P.	5.56	193.06	4.66	187.50		
6+00.00	S.S.M.H.		5.09	187.97		5° RT., N. RIM
			5.09	187.97		" " S. "
			17.73	175.33	24" INLET NORTH	5.09 ROD 10.64 MEAS. 2.00 DIA. 17.73
			17.69	175.37	24" OUTLET SOUTH.	5.09 ROD 10.60 MEAS 2.00 DIA. 17.69

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STATION	B.S.	H.I.	F.S.	ELEV.	ALCOA AVE	
		193.06 ✓				
T.P.			4.99	188.07 ✓		
	5.30	193.37 ✓				
10+80°	S.S.M.H.		4.37	189.00 ✓		5° RT., N. RIM.
			4.39	188.98 ✓		" "
			16.07	177.30 ✓	24" INLET NORTH	4.37 ROD 9.70 MEAS 2.00 DIA 16.07
			16.19	177.18 ✓	24" OUTLET SOUTH	4.39 ROD 9.80 MEAS 2.00 DIA. 16.19
B.M.V-513			5.22	188.15 ✓	B.M.V-513 EL.=188.147 FB 2198-44 ALCOA AVE. & E. 45th ST. SPK. IN LEAD IN W. CB., 2° N. ℄ PROD.	

Profile No. ____ Notes Red ____ Plotted ____ Job No. 043200 Division No. 11 F.B. 2198 PG. 55
Date ____ Date ____ Survey of PACKERS AVE STUDY
X-Sec. No. ____ Notes Chkd Miller Checked ____ Survey by RICHARDS Notes W.H.K. Date 4-61
Date May 1961 Date ____ Map No. ____ Indexed ____ Date ____

F.B. 2198 Pg. 56 0432.00

Job No. _____ Division No. 11 Notes Red _____ Plotted _____ Profile

Survey of PACKERS AVE. STUDY Date _____ Date _____ No. _____

Survey by RICHARDS Notes W.A.R. Notes Chkd. _____ Checked _____ X-Sec.

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

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Profile	Notes Red	Plotted	Job No. 0432.00	Division No. 11	F.B. 2198	Pg. 57
No.	Date	Date	Survey of PACKERS AVE. STUDY			
X-Sec.	Notes Chkd. Miller	Checked	Survey by RICHARDS	Notes W.H.R.	Date 4-61	
No.	Date May 1961	Date	Map No.	Indexed H. E. on	Date	

J. N. 0432.00

PACKERS AVE. STUDY

INVERT ELEVATIONS OF EXISTING HOUSE LATERALS ON PACKERS AVE.

1+00 = ℄ INT. OF ALCOA AVE & PACKERS AVE.

LOCATION SURVEYS FB. 2198: 47-54
BENCH LEVEL " " " 43-46

4-27-61
RICHARDS
OCHSNER
CROWDER

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

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2'8"

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STATION	B.S.	H.I.	F.S.	ELEV.	PACKERS AVE.	
B.M.# 1				185.19	B.M. #1 ELEV. = 185.187 FB. 2198-44	
	3.94	189.13			PACKERS AVE., N. SIDE, @ W. & P. R/W.	
			4.51	184.62	L. & T. IN N. CB. @ ELY. R/W. LINE.	
T.P.	4.05	188.67			—	
9+55.0	H.L.		5.10	183.57	22' LT. TOP CONC. WK.	(32") 5.10 ROD 2.67 MEAS. 0.33 DIA. 8.10
			8.10	180.57	INVERT 4" H.L.	
10+37.7	H.L.		5.35	183.32	ROD 5.35 MEAS. 6.67 DIA. 0.50 12.52 (6'8")	22' RT., TOP CONC. WK.
			12.52	176.15		INVERT 6" H.L.
T.P.			5.88	182.79	—	
	5.49	188.28				
B.M.S.Y. 4658			5.50	182.78	B.M.S.Y 4658 EL. = 182.764 FB. 2198-44 DOWNEY RD., W. SIDE, 50' S. ℄ PACKERS AVE. SQ. HD. SPK. IN LEAD, IN W. CB.	

Pg. 58 2198

Job No. 0432.00 Division No. 11 Notes Red Plotted Profile

Survey of PACKERS AVE. STUDY Date No. X-Sec.

Survey by RICHARDS Notes W.A.R. Notes Chkd. Checked

Indexed B. E. OIL Date Date No.

Profile No.	Notes Red Date	Plotted Date	Job No. 0432.00	Division No. 11	F.B. 2198 Pg. 57
X-Sec. No.	Notes Chkd Date May 1961	Checked Date	Survey of PACKERS AVE. STUDY		
			Survey by RICHARDS	Notes W.A.R.	Date 4-61
			Map No.	Indexed	Date

J. N. 0432.00

PACKERS AVE. STUDY

INVERT ELEVATIONS OF EXISTING MANHOLE & HOUSE LATERALS ON E. 45TH ST.

LOCATION SURVEYS FB. 2198: 47-54
BENCH LEVEL " " " 43-46

1+00 = ℄ INT. OF ALCOA AVE. & E. 45TH ST

4-27-61
RICHARDS
OCHSNER
CROWDER

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

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STATION	B.S.	H.I.	F.S.	ELEV.	E. 45TH ST.	
B.M. #3				186.26	B.M. #3 EL. = 186.257 FB. 2198-44	
	4.66	190.92			E. 45TH ST., S. SIDE, @ W. & P. R/W.	
					L. & T. IN S. CB. @ ELY. R/W LINE	
6+69.2	S.S.M.H.		5.04	185.88	22.3 RT., E. RIM	
NOTE: M.H. OFFSET			5.04	185.88	22.3 RT., W. RIM.	W. E
1.0 N. OF ℄ S.S.			12.61	178.31	INVERT 8" INLET WEST.	5.04 ROD 5.04
						6.90 MEAS 6.95
						0.67 DIA 0.67
			12.66	178.26	INVERT 8" OUTLET EAST.	12.61 12.66
7+81.0	H.L.		5.32	185.60	25° LT., CONC. WK. (5'7")	5.32 ROD
						5.58 MEAS.
			11.40	179.52	INVERT 6" H.L.	0.50 DIA.
						11.40
7+85.0	H.L.		5.45	185.47	25' LT., MAC. WK. (6'6")	5.45 ROD
						6.50 MEAS.
			12.28	178.64	INVERT 4" H.L.	0.33 DIA.
						12.28
T.P.	4.77	190.17	5.52	185.40		
8+71.7	H.L.		5.02	185.15	25° LT., CONC. WK. (5'9")	5.02 ROD
						5.75 MEAS
			11.27	178.90	INVERT 6" H.L.	0.50 DIA
						11.27
9+16.6	H.L.		5.13	185.04	25° LT., CONC. WK. (5')	5.13 ROD
						5.00 MEAS.
			10.46	179.71	INVERT 4" H.L.	0.33 DIA.
						10.46

F.B. 2198 Pg. 60 Job No. 0432.00 Division No. 11 Notes Red Plotted Profile
Survey of PACKERS AVE. STUDY Date Date No. X-Sec.
Survey by RICHARDS Notes W.A.R. Notes Chkd. Checked
Indexed H.E. ON Date Date Date No.

76L-298 CE 307 11-58

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STATION	B.S.	H.I.	F.S.	ELEV.	E. 45th ST.	
		1901 TV				
9+64.0	H.L.		5.05	185.12	25° LT., TOP CONC. WK.	5'8" 5.05 ROD 5.67 MEAS 0.67 DIA. 11.39
			11.39	178.78	INVERT 8" H.L.	
B.M.# 4			6.03	184.14	B.M.# 4 EL. = 184.152 E. 45th ST. & 1st ALLEY W. OF DOWNEY RD., N.E. COR. L. & T. IN CB., 2° E. OF E. END C.R.	FB. 2198-45

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0432.00 Division No. 11 F.B. 2198 Pg. 61
Date ____ Date ____ Survey of PACKERS AVE. STUDY
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes W.H.R. Date 4-61
Date ____ Date ____ Map No. ____ Indexed H. E. OTT Date ____

F.B. 2198 Pg. 62 | 0437.00

Job No. _____ Division No. 11 | Notes Red _____ Date _____ | Plotted _____ Date _____ | Profile No. _____

Survey of PACKERS AVE. STUDY | Notes W.A.R. | Notes Chkd. _____ Date _____ | Checked _____ Date _____ | X-Sec. No. _____

Survey By RICHARDS | Indexed _____ Date _____

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

76L-250 CE 307 11-58

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

C.I. 2182.34 11

F.B. 2198 Pg. 63

Profile No. ____ Notes Red ____ Plotted ____ Job No. ____ Division No. ____

Date ____ Date ____ Survey of 149TH ST. S.S. DIST.

X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes W.A.R. Date 8-8-61

Date ____ Date ____ Map No. ____ Indexed H. E. OTT Date AUG 1 0 61

C. I. 2182.34

149TH ST. S. S. DIST.

INVERT ELEVATION OF EXIST. M. H. ON 149TH ST., 26° W. & DEODORA AVE. AT STA. 13+58° - PER RD. DEPT. STA. AS SHOWN IN RD. FB. 410-62

ELEV.

8-8-61
RICHARDS
OCHSNER
TURRILL
RODRIGUES

F.S.

H.I.

B.S.

STATION

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76L-298 CE 307 11-58

F.B. 2198 Pg. 64 C.I. 2182.34 11
Job No.___ Division No.___ Notes Red___ Plotted___ Profile
Survey of 149 TH ST. S.S. DIST. Date___ Date___ No.___
Survey by RICHARDS Notes W.A.R. Notes Chkd.___ Checked___ X-Sec.
Indexed H. E. OTT Date___ Date___ Date___ No.___

76L-298 CE 307 11-58

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STATION	B.S.	H.I.	F.S.	ELEV		
B.M. # 4				99.44	RD. DEPT. BM. # 4. EL. = 99.44 FD. L. & T. IN S. CB. 149 TH ST. ± 8' W. OF B.C.R. @ S.W. COR. ± 20' S/O ℄ ± 50' W/O ℄ INT. 149 TH ST. & DEODORA AVE. (GARDENA 55)	RD. F.B. 410-163
13+58.6 S.S. M.H.				99.53	5' LT., E. RIM.	
				99.53	5' " W. RIM.	
8" INLET	NORTH			92.59	8" INLET NORTH 6.27 MEAS. 0.67 DIA. 6.94 — 99.53 − 6.94 = 92.59	8" INLET WEST. 6.17 MEAS. 0.67 DIA. 6.84 — 99.53 − 6.84 = 92.69
8" INLET	WEST			92.69		
8" OUTLET	EAST.			92.43	8" OUTLET EAST. 6.43 MEAS. 0.67 DIA. 7.10 — 99.53 − 7.10 = 92.43	
BM. # 4				99.44	B.M. # 4 → 14 LINES ABOVE.	

Profile No.	Notes Red.	Plotted	Job No. 0432.00	Division No. 11	F. B. 2198	Pg. 65
	Date	Date	Survey of City Terrace Area (Sanit Invest.)			
X-Sec. No.	Notes Chkd.	Checked	Survey by Newman	Notes Newman	Date 8-23-61	
	Date	Date	Map No.	Indexed E. E. OTY	Date AUG 28 '61	

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J.N. 0432.00

CITY TERRACE AREA

SANITATION INVESTIGATION

8-23-61

ELEV.

F. B.

Newman
Sandoval
Moore

H. I.

Note:
Bench elevations taken from the field party, and does not have a B.M. number as yet.

B. S.

STATION

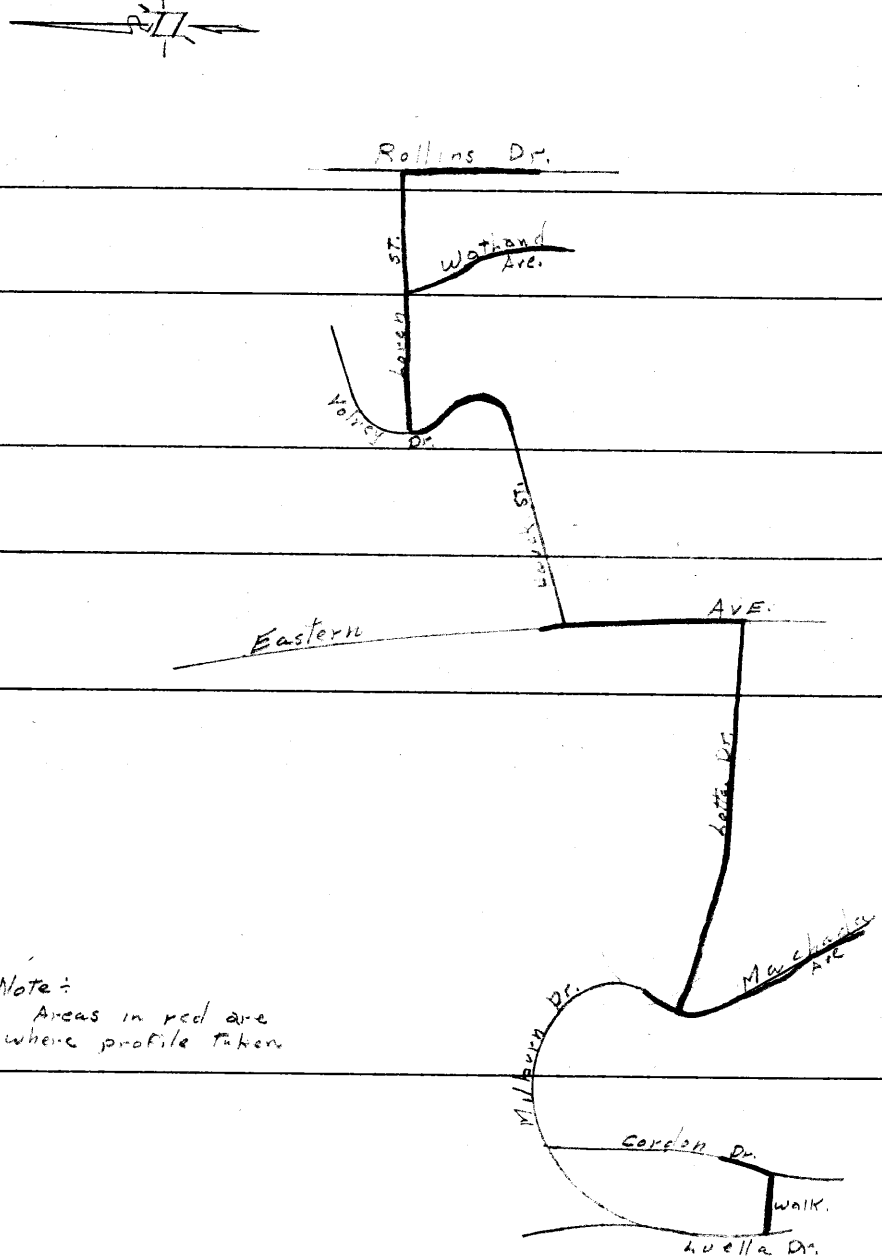
76L298 S & E #307 9-54

F. B. 2198 Pg. 66 Job No. 24321.10 Division No. 11 Notes Red. _____ Plotted _____ Profile

Survey of City Terrace Area Date _____ Date _____ No. _____

Survey by Newman Notes Newman Notes Chkd. _____ Checked _____ X-Sec.

Indexed _____ Date _____ Date _____ Date _____ No. _____



Note:
Areas in red are where profile taken

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

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76L298 S & E #307 9-54

76L298 S & E #307 9-54

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STATION	B. S.	H. I.	F. S.	ELEV.		
B.M. 61-3	[illegible] 06	458 36		447 30	Unadjusted Field Elev. B.M. 61-3 Elev. 447.30 F.B. 2863-10	
T.P. 1			0 19	458 17	Eastern Ave 500' So. of Little Ct. Rd. Dept	
	10 35	468 52			Mon. P.I. of Eastern Ave	
T.P. 2			0 71	467 81		
	10 81	478 62				
T.P. 3			0 96	477 66		
	9 03	486 69				
Fd. T.B.M. # 3			0 56	486 13	T.B.M. # 3 Elev. 486.30 F.B. 2863-25 Eastern Ave & Hauck St S.E. Cor. Bt. Spk. 1.5' So. of Sand Curb Return.	
	10 66	496 79				
T.P. 4			0 24	496 55		
	11 62	508 17				
T.P. 5			0 11	508 06		
	11 33	519 39				
T.P. 6			0 27	519 12		
	12 04	531 16				
T.P. 7			1 00	530 16		
	12 28	542 44				
T.P. 8			0 44	542.00		
	11 48	553 48				
T.P. 9			0 29	553 19		

Profile Notes Red. ____ Plotted ____ Job No. 0432.00 Division No. 11 F. B. 2198 Pg. 67
No. ____ Date ____ Date ____ Survey of City Terrace Area (Sanit. Invest.)
X-Sec. Notes Chkd. ____ Checked ____ Survey by ____ Notes ____ Date ____
No. ____ Date ____ Date ____ Map No. ____ Indexed H. E. [illegible] Date 28 '61

76L298 S & E #307 9-54

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
T.P. 9				553 19		
	10 50	563 69				
T.P. 10			0 17	563 52		
	11 63	575 15				
T.P. 11			0 16	574 99		
	10 72	585 71				
T.P. 12			2 91	582 80		
	11 33	594 13				
T.P. 13			0 05	594 08		
	8 62	602 70				
Fd. B.M. # T-70			3 17	599 53	B.M. # T-70 Elev. 599.510 Loren Ave & Wotland Ave. Conc. Drive Hse # 4423	F.B. 400 - 120 Bt. Spk at S end of W. side

F. B. 2198 Pg. 68

Job No. 0432.00 Division No. 11 Notes Red. Plotted Profile

Survey of City Terrace Area (Sanit. Invest.) Date Date No.

Survey by Newman Notes Newman Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

Profile No.	Notes Red.	Plotted	Job No. 043200	Division No. 11	F. B. 2198	Pg. 69
	Date	Date	Survey of City Terrace Area (Sanit Invest.)			
X-Sec. No.	Notes Chkd.	Checked	Survey by Newman	Notes Newman	Date	
	Date	Date	Map No.	Indexed H. E. OK	Date AUG 2 8 '61	

J.N. 043200

CITY TERRACE AREA

SANITATION INVESTIGATION

ROLLINS DR.

From LOREN ST. South 400'±

Approx ℄ of LOREN ST. = 1+00

8-23-61

ELEV.

Newman

Sandoval

Moore

F. B.

H. I.

B. B.

STATION

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761298 S & E #307 9-54

76L298 S & E #307 9-54

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STATION	B. S.	H. I.	F. S.	ELEV.	Rollins Dr.	
B.M.#T-70				599 51	B.M.#T-70 Elev. 599.51 Loren Ave & Watland Ave. Conc. Dr. Hse #4423	F.B. 400-120 Bt spk at S. end of W. side
	10 00	609 51				
T.P.			4 16	605 35		
	10 61	615 96				
1+00			11 66	604 30	Approx ℄ Loren	℄
1+73			6 24	609 72		℄
2+00			4 75	611 21		
T.P.			0 42	615 04		
	11 10	626 14				
3+00			9 00	617 14		
3+70			4 72	621 42		
4+00			4 18	621 96		
4+82			5 36	620 78	End of existing [illegible]	
T.P.			11 97	614 17		
	1 46	615 63				
T.P.			7 71	607 92		
	1 36	609 28				
B.M.#T-70			9 76	599 52	See above.	

F. B. 2198 Pg. 70 Job No. 0432.00 Division No. 11 Notes Red. Plotted Profile
Survey of City Terrace Area (Sanit Inspt.) Date Date No.
Survey by Newman Notes Newman Notes Chkd. Checked X-Sec.
Indexed Date Date Date No.

Profile No.	Notes Red.	Plotted	Job No. 0432.00	Division No. 11	F. B. 7198 Pg. 41
	Date	Date	Survey of City Terrace Area (Sanit Invest)		
X-Sec. No.	Notes Chkd.	Checked	Survey by [illegible]	Notes [illegible]	Date [illegible]
	Date	Date	Map No.	Indexed H. E. OTT	Date AUG 28 '61

J.N. 0432.00

CITY TERRACE AREA

SANITATION INVESTIGATION

LOREN ST

From Rollins Dr West to Volney Dr.
Approx ℄ Rollins = 1400

8-23-61

STATION	B. S.	H. I.	F. S.	ELEV.	
					Newman Sandoval [illegible]

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76L298 S & E #307 9-54

76L298 S & E #307 9-54

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STATION	B. S.	H. I.	F. S.	ELEV.	LOREN	ST.
B.M.# T-70				599 51	B.M.# T-70 Elev 599.51 S.B. 400-120 Loren St & Blvd and Ave. Cong. Dist. Sec 7 & 23	Br. Sp. at S end of W side
	10 13	609 64 ✓				
1+00			5 35	604 29	Approx ℄ Rollins	℄
1+13			5 60	604 04	Cross Gutter	
2+00			1 82	607 82		℄ Top of vertical curve
3+00			4 00	605 64		℄
3+885			8 36	601 28		℄ change in [illegible]
4+00			9 19	600 45		℄
T.P.			11 74	597 90 ✓		
	0 16	598 06 ✓				
5+00			5 72	592 34		℄
T.P.			11 53	586 53 ✓		
	1 57	588 10 ✓				
5+995			2 27	585 83		
6+00			3 15	584 95		
6+355			6 19	581 91	Cross Gutter	
6+465			5 85	582 25	Approx ℄ Valley Dr.	
T.P. 12			5 31	582 79 ✓	TP 12 Elev. 582.80	See pg. 68

F. B. 2198 Pg. 72 Job No. 34-3-30 Division No. 11 Notes Red. ____ Plotted ____ Profile
Survey of City Terrace Area (Sanit. Sewer) Date ____ Date ____ No. ____
Survey by Newman Notes Newman Notes Chkd. ____ Checked ____ X-Sec.
Indexed ____ Date ____ Date ____ No. ____

Profile No.	Notes Red.	Plotted	Job No. 348200	Division No. 11	F. B. 2178	Pg. 73
	Date	Date	Survey of City Terrace Area (Sanit Invest.)			
X-Sec. No.	Notes Chkd.	Checked	Survey by Newman	Notes	Date 9-23-61	
	Date	Date	Map No.	Indexed	Date AUG 28 '81	

J.M. 348200

CITY TERRACE AREA

SANITATION INVESTIGATION

WATLAND AVE.

From Loren Ave west 350'±
Approx & Loren Ave 1100

9-23-61

Newman
Sandoval
Mears

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

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

76L298 S & E #307 9-54

76L298 S & E #307 9-54

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	WATLAND	AVE
B.M.# T-70				599 51	B.M.# T-70 Elev. 599.510	F.B. 420-420
	10 75	610 26			Loren St & Watland Ave	Bt. spk. send of W. side
					conc. Dr. Hse #4423	
1+00			9 24	601 02	Approx ℄ Loren	
1+15			10 09	600 17	Close Gutter	
2+00			3 90	607 36		
T.P.			0 28	609 98		
	7 52	617 50				
3+00			6 20	611 30		
4+00			4 60	612 90		
4+76			4 32	613 18		Change in Gr.
5+08			7 22	[illegible] 28		End of St.
T.P.			3 78	603 72		
	1 54	610 26				
B.M.# T-70			10 75	599 51	B.M.# T-70 Elev. 599.510	see above.

F. B. 2198 Pg. 41

Job No. 0433.00 Division No. 11 Notes Red. Plotted Profile

Survey of City Terrace [illegible] Date Date No.

Survey by Newman Notes Newman Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

Profile	Notes Red.	Plotted	Job No. 0432.00	Division No. 11	F. B. 2198	Pg. 73
No.	Date	Date	Survey of City Terrace Area Sanit. Inv.			
X-Sec.	Notes Chkd.	Checked	Survey by JND	Notes JND	Date 8-24-61	
No.	Date	Date	Map No.	Indexed H. E. OTT	Date AUG 28 '61	

J.N. 0432.00

City Terrace Sanitary Sewer Investigation

Profile of Volney Dr. Southerly from Loren St to the begin. of Hauck St & West on Hauck St to the West line prod. of Lot 65 Tr#8907

8-24-61

Note
1+00 is approx. Intrs. of improvement @ Volney Dr & Loren St.

Dougherty
Newman
Sandoval
Moore

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

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76L298 S & E #307 9-54

76L298 S & E #307 9-54

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STATION	B. S.	H. I.	F. S.	ELEV.		
Fd. T.P. #12				582 80	T.P #12 Elev - 582.80	spk F.B. 2198-68
	314	58594 ✓				
1+00			36	823	· Approx ℄ Volney +	Loren
1+50			39	820 ·		
2+00			72	787 ·		
T.P.			1095	57499 ✓		
	104	57603 ✓				
3+00			65	695 ·		
T.P			1037	56566 ✓		
	056	56622 ✓				
4+00			103	559 ·		
T.P.			1163	55459 ✓		
	280	55739 ✓				
T.P.			1087	54652 ✓		
	275	54927 ✓				
5+00			74	419 ·		
Fd. TP#8			728	54199 ✓	T.P#8 Elev 542.00	F.B. 2198-67

F. B. 2198 Pg. 76 Job No. 0432.00 Division No. 11 Notes Red. Plotted Profile
Survey of City Terrace Area Date Date No.
Survey by Dougherty Notes Dougherty Notes Chkd. Checked X-Sec.
Indexed Date Date Date No.

Profile No.	Notes Red.	Plotted	Job No. 0432.00	Division No.	F. B. 2198	Pg. 77
	Date	Date	Survey of City Terrace Area (Sewer Inv.)			
X-Sec. No.	Notes Chkd.	Checked	Survey by JNM	Notes JND	Date 8-24-61	
	Date	Date	Map No.	Indexed H. E. OTT	Date AUG 2 8 61	

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STATION	B. S.	H. I.	F. S.	ELEV.	
					J.N. 0432.00 City Terrace Area Sewer Investigation. Bench Levels & Profile of that Part of Eastern Ave, Lotta Dr, Machado Ave, Milburn Dr., Cordon Dr & Walk Shown in red on Index (pg. 66) 8-24-61 Note Profile on ℄ Const. & 1+00 @ Intrs is ℄ Const. Dougherty Newman Sandoval Moore.

761298 S & E #307 9-54

76L298 S & E #307 9-54

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STATION	B. S.	H. I.	F. S.	ELEV.		
Profile on Eastern Ave from 380' North of Lotta Dr. south to the Intrs. Lotta Dr.						
Fd T.B.M #3				486.13	T.B.M #3. Elev = 486.13	F.B 2198-67
	12.16	498.29 ✓				
1+00	H.I +	1.2 (Hand Lev)		499.5		
2+00			7.1	91.2		
T.P.			10.82	487.47 ✓		
	0.97	488.44 ✓				
3+00			5.6	82.8		
T.P.			11.38	477.06 ✓		
	6.43	483.49 ✓				
4+00			7.2	76.3		
4+80			11.8	71.7	℄ Int. Lotta Dr & Eastern Ave. (Approx)	
Westerly on Lotta Dr to the Intrs. of Machado Ave & Milburn Dr. 1+00 to W. from the Intrs of Eastern Ave.						
		483.49				
1+00			11.8	471.7	℄ Intrs. Lotta Dr & Eastern Ave (Approx)	
1+33			11.3	72.2	F.L. Cross Gut.	
2+00			2.8	80.7		
T.P.			0.83	482.66 ✓		
	12.01	494.67 ✓				

F. B. 2198 Pg. 78 Job No. 04320 Division No. 11 Notes Red. Plotted Profile
Survey of City Terrace Area S.S. Date No.
Survey by Dougherty Notes Chkd. Checked X-Sec.
Indexed Date Date Date No.

76L-298 S & E #307—1-56

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STATION	B. S.	H. I.	F. S.	ELEV.	Lotta Dr. Cont.
		494 67			
T.P.			031	494 36	
	1228	50664			
3+00			99	4967	
3+50			25	5041	
T.P.			069	50595	
	1213	51808			
4+00			76	5105	
T. P.			029	51779	
	1144	52923			
5+00			75	5217	
T.P.			079	52844	
	1212	54056			
6+00			111	5295	
T.P.			020	54036	
	843	54879			
6+75			75	5413	Approx Int. of Imp. Lotta Dr & Macrado Ave

Profile Notes Red. Plotted Job No. 04/32 Division No. 11 F. B. 2198 Pg. 79
No. Date Date Survey of City Terrace Area Sewer Inv.
X-Sec. Notes Chkd. Checked Survey by JNP Notes JNP Date 8-24-61
No. Date Date Map No. Indexed R. E. OTT Date 8-28-61

76L-298 S & E #307—1-56

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		548 79				
East on Milburn Dr from ℄ Intr. of Lotta Dr. 1+00 to east +2+50						
1+00			75	5413·	℄ Intr. Approx Milburn, Lotta Dr's & Machado Av.	
1+23			83	5405·		
2+00			55	5433·		
2+50			08	5480·		
South on Machado Ave from ℄ Intr. Approx of Lotta, Milburn Dr's & Machado Ave 1+00 ℄ Intrs. to 5+00						
1+00			75	5413·		
1+55			43	5445·	End. pav (dirt Rd to south)	
2+00			31	5457·		
3+00			19	5469·		
3+80			36	5452·		
4+00			48	5440·		
T.P.			441	54438 ✓		
	046	54484 ✓				
5+00			77	5371·		
T.P.			070	54414 ✓		
	1140	55554 ✓				

F. B. 2198 Pg. 80 Job No. 0452.00 Division No. 11 Notes Red ____ Plotted ____ Profile ____
Survey of City Terrace Area S.S. Inv. Date ____ No. ____
Survey by Dougherty Notes Dougherty Notes Chkd ____ Checked ____ X-Sec. ____
Indexed ____ Date ____ Date ____ No. ____

76L-298 S & E #307—1-56

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
T.P.		555 54	006	555 48		
	1014	565 62				
Set T.B.M			010	565 52	T.BM. El=565.52 Cordon Dr. So. end. in L.P. # 834389E. S&T.	
Profile on Cordon Dr. from 1+00 @ the north side of Lot 561 prod. South to the south side of Lot. 558 prod. @ 2+65						
T.B.M.				565 52		
	1117	576 69				
T.P.			024	576 45		
	1016	586 61				
1+00			25.	5841.		
1+50			103	5763.		
T.P.			1137	5752		
	077	576 01				
2+00			88	5672.		
2+65			137	5623.		
Profile on 10' Walk south of Lot 558 beg. @ 1+00 @ Cordon Dr. & going west to 3+02 @ Luella Dr.						
1+00			137	5623.		
1+05			135	5625.		
1+19			78	5682.		

Profile Notes Red ____ Plotted ____ Job No. 0432.00 Division No. 11
No. X-Sec. ____ Date ____ Date ____ Survey of City Terrace Area
Notes Chkd ____ Checked ____ Survey by ____ Notes ____ Date 8-24-61
No. ____ Date ____ Date ____ Map No. ____ Indexed H. E. OTT Date AUG 28 61

F. B. 2198 PG. 81

76L-298 S & E #307—1-56

PLEASE RETURN TO
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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		576 01				
1+50			31	5729		
T.P.			023	57578		
	251	57829				
2+00			16	5767		
2+20			18	5765		
2+55			52	5731		
2+78			100	5683	Top cut	
T.P.			1192	56637		
	332	569 69				
2+94			102	5595	Bot. cut (dirt Rd)	
3+02			102	5596	℄ of walk & Luella Dr.	
Fd. BM T78			1038	55931	T78 Elev 559.18	F.B. 417-82 Luella Dr.
					100' ± So of Milburn Dr. (X) in west ent of	
					Conc. Walk to House # 1312	

F. B. 2198 PG. 82 Job No. 04/32.05 Division No. 11 Notes Red Plotted Profile
Survey of City Terrace Area Sewer Inst. Date Date No. X-Sec.
Survey by Dougherty Notes Dougherty Notes Chkd Checked
Indexed Date Date Date No.

Profile No.	Notes Red.	Plotted	Job No. 0432.00	Division No. 11	F. B. 2198	Pg. 83
	Date	Date	Survey of PACKERS AVE. (SAN. INVESTIGATION)			
X-Sec. No.	Notes Chkd.	Checked	Survey by RICHARDS	Notes W.R.R.	Date 8-31-61	
	Date	Date	Map No.	Indexed H. E. OTT	Date SEP 6 '61	

J. N. 0432.00

PACKERS AVE.

(SANITATION INVESTIGATION)

INVERT ELEVATIONS OF EXISTING MAN-HOLES ON PACKERS AVE.

℄ INT. OF PACKERS AVE. & FIRST ALLEY WEST OF DOWNEY RD. = 11+22.2 GOING EAST ON ℄ OF PACKERS AVE. - FB 2198-51

STATION	B. S.	H. I.	F. S.	ELEV.
		8-31-61 RICHARDS OCHSNER CROWDER ESQUER		

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

Do not extend notes this side of this line.

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

761298 S & E #307 9-54

76L298 S & E #307 9-54

PLEASE RETURN TO
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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	PACKERS AVE.	
B.M. # 1				185.19	B.M. # 1 EL. = 185.187 FB. 2198-44 PACKERS AVE., N. SIDE, @ W. & P. R/W. L. & T. IN N. CB. @ E. R/W. LINE	
7+85.4	S.S. M.H.			184.11	22⁵ RT., EAST RIM.	
OFFSET M.H. -1° N. OF ℄ PIPE				184.11	" " WEST "	
					EAST	
					6.61 MEAS	184.11 EL. RIM.
					0.67 DIA.	-7.28
INVERT 8"	OUTLET	EAST		176.83	7.28	176.83 INVERT.
					WEST	
					6.42 MEAS	184.11 EL. RIM
					0.67 DIA.	- 7.09
INVERT 8"	INLET	WEST		177.02	7.09	177.02 INVERT
T. P.				183.95		
T. P.				183.53		

F. B. 2198 Pg. 84 Job No. 0432.00 Division No. 11 Notes Red. Plotted Profile
Survey of PACKERS AVE. Date Date No.
Survey by RICHARDS Notes W. A. R. Notes Chkd. Checked X-Sec.
Indexed H. E. OTT Date SEP 6 '61 Date Date No.

76L298 S & E #307 9-54

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	PACKERS AVE.	
11+28.4	S.S. M.H.			182.94	21.9 LT., EAST RIM	
				182.96	" " NORTH "	
					EAST	
INVERT 8" OUTLET EAST.				175.02	7.25 MEAS. 0.67 DIA. 7.92	182.94 EL. RIM ⊖ 7.92 175.02 INVERT
					NORTH	
					7.13 MEAS. 0.67 DIA. 7.80	182.96 EL. RIM ⊖ 7.80 175.16 INVERT.
INVERT 8" INLET NORTH				175.16		
11+29.1	S.S. J.C.			182.83	23.9 RT., EAST RIM,	
				182.83	" " WEST "	
					EAST	
8" OUTLET EAST			INVERT	174.96	7.20 MEAS 0.67 DIA 7.87	182.83 EL. RIM 7.87 174.96 INVERT
					WEST	
8" INLET WEST			INVERT	175.01	7.15 MEAS. 0.67 DIA. 7.82	182.83 RIM 7.82 175.01

Profile Notes Red. ____ Plotted ____ Job No. 0432.00 Division No. 11 F. B. 2198 Pg. 85
No. ____ Date ____ Date ____ Survey of PACKERS AVE.
X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes W.A.K. Date 8-31-61
No. ____ Date ____ Date ____ Map No. ____ Indexed H. E. OTT Date SEP 6 '61

76L298 S & E #307 9-54

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	PACKERS AVE.
11+29.1	S.S. F.C.				NORTH 6.99 MEAS. 182.83 RIM 0.67 DIA 7.66
8" STUB NORTH.				175.17	7.66 175.17
B.M. S.Y. 4658				182.76	B.M. S.Y 4658 EL.=182.764 FB. 2198-44 SQ. HD. BOLT IN LEAD ON W. CB. OF DOWNEY RD., 50' ± S. ℄ PACKERS AVE.

F. B. 2198 Pg. 86 Job No. 0432.00 Division No. 11 Notes Red. Plotted Profile
Survey of PACKERS AVE. Date Date No.
Survey by RICHARDS Notes W.A.R. Notes Chkd. Checked X-Sec.
Indexed H. E. OTT Date SEP 6 '61 Date SEP 6 '61 No.

Profile No.	Notes Red.	Plotted	Job No. 0432.00	Division No. 11	F. B. 2198	Pg. 87
	Date	Date	Survey of PACKERS AVE.			
X-Sec. No.	Notes Chkd.	Checked	Survey by RICHARDS	Notes W.A.R.	Date 8-31-61	
	Date	Date	Map No.	Indexed H. E. OTT	Date SEP 6 '61	

J. N. 0432.00

PACKERS AVE.

(SANITATION INVESTIGATION)

INVERT ELEVATIONS OF EXISTING MANHOLES AND HOUSE LATERALS ON E. 45TH ST.

℄ INT. OF E. 45TH ST. & FIRST ALLEY WEST OF DOWNEY RD. = 11+21.7 GOING EAST ON ℄ E. 45TH ST.

SEE FB. 2198-52

STATION	B. S.	H. I.	F. S.	ELEV.
		8-31-61 RICHARDS OCHSNER CROWDER ESQUER		

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

Do not extend notes this side of this line.

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

76L298 S & E #307 9-54

76L298 S & E #307 9-54

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

F. B. 2198 Pg. 88 Job No. 0432.00 Division No. 11 Notes Red. Plotted Profile
Survey of PACKERS AVE. Date Date No.
Survey by RICHARDS Notes W. A. R. Notes Chkd. Checked X-Sec.
Indexed H. E. OTT Date SEP 6 '81 Date Date No.

STATION	B. S.	H. I.	F. S.	ELEV.	E. 45TH ST.	
B.M. #4.				184.15	B.M. #4 EL. = 184.152 FB. 2198-45 E. 45TH ST. & ALLEY W. OF DOWNEY RD. N.E. COR. L.&T 2° E. OF E. END C.R.	
8+89.0	S.S. J.C.			185.00 185.00	22.5 RT., EAST RIM " " WEST "	
8" INLET	NORTH			177.39	NORTH 6.94 MEAS. 185.00 EL RIM. 0.67 DIA. 7.61 7.61 177.39 INVERT	EAST 185.00 MEAS 7.05 -7.72 DIA 67 177.28 7.72
8" OUTLET	EAST			177.28		
8" INLET	WEST			177.33	WEST 7.00 MEAS 185.00 0.67 DIA. 7.67 7.67 177.33	
9+64.8	H.L.			178.82	25.5 RT., TOP OF 6" V.C.P. H.L.	178.82 - 0.56 178.26
					INVERT →	

76L298 S & E #307 9-54

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	E. 45TH ST
11+00.5	H.L.			178.79	25.5 RT, TOP 6" V.C.P. H.L.
					178.79 0.56 INVERT → 178.23
11 ± ~~23.5~~ 27.4	E@W 9-11-61 S.S. M.H.			184.12	23.5 RT, EAST RIM
11 + 27.2				184.12	" " WEST "
8" INLET	WEST	INVERT		176.14	WEST 7.31 MEAS. 184.12 EL. RIM. 0.67 DIA. 7.98 7.98 176.14
8" OUTLET	SOUTH	INVERT		175.95	SOUTH 7.50 MEAS. 184.12 EL RIM. 0.67 DIA. 8.17 8.17 175.95
B.M.#4				184.15	B.M.#4 EL.=184.152 FB. 2198-45 E. 45TH ST. & ALLEY W. OF DOWNEY RD. N.E. COR. L.&T. 2° E. OF E. END C.R.

Profile Notes Red ____ Plotted ____ Job No. ____ Division No. 11 F. B. 2198 Pg. 89
No. ____ Date ____ Date ____ Survey of PACKERS AVE.
X-Sec. Notes Chkd ____ Checked ____ Survey by ____ Notes ____ Date 8-31-61
No. ____ Date ____ Date ____ Map No. ____ Indexed H. E. OTT Date SEP 6 '61

0432.00

F. B. 2198 Pa. 90 | Job No. 0432.00 | Division No. 11 | Notes Red. | Plotted | Profile

Survey of PACKERS AVE. | Date | Date | No.

Survey by RICHARDS | Notes W.H.R. | Notes Chkd. | Checked | X-Sec.

Indexed | Date | Date | Date | No.

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

76L298 S & E #307 9-54

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

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

Profile No.	Notes Red.	Plotted	Job No. 0432.00	Division No. 11	F. B. 2198 Pg. 91
	Date	Date	Survey of PACKERS AVE. C SAN. INVESTIGATION		
X-Sec. No.	Notes Chkd.	Checked	Survey by RICHARDS	Notes W.A.R.	Date 9-19-61
	Date	Date	Map No.	Indexed H. E. CITY	Date SEP 21 '61

J. N. 0432.00

PACKER'S AVE

(SANITATION INVESTIGATION)

ELEVATIONS & LOCATIONS
OF
EXISTING HOUSE LATERALS
ON
PACKERS AVE.

1+00 = ℄ INT. OF PACKERS AVE. & ALCOA AVE. PER FB. 2198-49

STATION	B. S.	H. I.	F. S.	ELEV.
			9-19-61	
		RICHARDS OCHSNER TURRILL CROWDER		

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

Do not extend notes this side of this line.

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

78L298 S & E #307 9-54

76L298 S & E #307 9-54

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

F. B. 2198 Pg. 92 | Job No. 0432.00 | Division No. 11 | Notes Red. | Plotted | No. | Profile
Survey of PACKERS AVE. STUDY | Date | Date | No. | X-Sec.
Survey by RICHARDS | Notes W.H.R. | Notes Chkd. | Checked
Indexed H. E. OTT | Date | Date | Date

STATION	B. S.	H. I.	F. S.	ELEV.	PACKERS AVE.	
B.M.S.S. 4658				182.76	B.M.S.S.4658 EL.=182.764 FB. 2198-44 RD. DEPT. B.M. - RIVERA QUAD. 1955 SQ. HD. BOLT IN LEAD ON W. CB. OF DOWNEY RD. 50± S. OF ℄ PACKERS AVE.	
T. P.				183.08	L.ST. @ ℄ INT. OF ALLEY & PACKERS AVE LT. ℄ RT.	
9+10±				177.58		(6-10) 25° TOP 6" H.L. V.C.P. CONC. WK. 183.98 MEAS. - 6.40 EL. 177.58
10+41.0				178.65	23° TOP 4" H.L. (4.65)	183.30 CONC. WK. - 4.65 MEAS. 178.65 EL.
DUG @ 10+12± - NOTHING FD.						
T. P.				182.91	—	
B.M.S.S. 4658				182.76	SHOWN ABOVE	

Profile No.	Notes Red.	Plotted	Job No. 0432.00	Division No. 11	F. B. 2198 Pg. 93
	Date	Date	Survey of PACKERS AVE. STUDY		
X-Sec. No.	Notes Chkd.	Checked	Survey by RICHARDS	Notes W. A. P.	Date 9-20-61
	Date	Date	Map No.	Indexed H. E. OTT	Date SEP 21 '61

J. N. 0432.00

PACKERS AVE.

(SANITATION INVESTIGATION)

ELEVATIONS & LOCATIONS
OF
EXISTING HOUSE LATERALS
ON
E. 45TH ST.

1+00 = ℄ INT. OF E. 45TH ST. & ALCOA AVE. PER FB. 2198-50

STATION	B. S.	H. I.	F. S.	ELEV.
		RICHARDS OCHSNER TURRILL CROWDER	9-20-61	

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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PLEASE RETURN TO
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726 LOS ANGELES COUNTY ENGINEERING BLDG.

78L298 S & E #307 9-54

76L298 S & E #307 9-54

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	E. 45TH ST.	
					BASED ON L.A.CO.R.D. DEPT. DATUM. - RIVERA QUAD. 1955	
B.M. #4				184.15	B.M. # 4 EL.=184.152 FB. 2198-45 E. 45TH ST. & 1ST ALLEY W. OF DOWNEY RD., N.E. COR. L.&T. IN CB., 2° E. OF E. END C.R.	
					LT.	℄ RT.
9+50.5				178.25		2.5° TOP 6" H.L. 184.75 CONC. WK. - 6.50 MEAS 178.25
~~10+52.0~~	FD. NOTHING					
10+71.0				182.70	22.5°, TOP 4" H.L.	184.55 CONC. WK. - 1.85 MEAS. 182.70
B.M. #4				184.15	SHOWN ABOVE	

F. B. 2198 Pg. 94
Job No. 0432.00 Division No. 11
Survey of PACKERS AVE. STUDY
Survey by RICHARDS Notes W.H.R.
Indexed H. E. OFF Date
Profile No. X-Sec. No.
Plotted Date Checked Date
Notes Red. Date Notes Chkd. Date

Profile No.	Notes Red	Plotted	Job No. 043200	Division No. 11	F.B. 2198	Pg. 95
	Date	Date	Survey of PACKERS AVE.			
X-Sec. No.	Notes Chkd.	Checked	Survey by RICHARDS	Notes W.A.R.	Date 12-20-61	
	Date	Date	Map No.	Indexed H. E. OTT	Date DEC 27 61	

J. N. 043200

PACKERS AVE.

(SANITATION INVESTIGATION)

ELEVATIONS
OF
EXISTING HOUSE CONNECTIONS
AND
SEWER MANHOLES
ON
PACKERS AVE.
AND
E. 45TH ST.

RICHARDS
OCHSNER
TURRILL
CROWDER

STATION	B.S.	H.I.	F.S.	ELEV.
				℄ SURVEYS REF. - - - - - - FB. 2198: 51, 52 BENCH LEVELS REF. - - - - - - " " 43-46

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

Do not extend notes this side of this line.

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

76-L296 CE 307 3-61

76-L298 CE 307 3-61

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

F.B. 2198 Pg. 96 | Job No. 0432.00 | Division No. 11 | Notes Red ____ Plotted ____ Profile ____
Survey of PACKERS AVE. | Date ____ Date ____ No. ____
Survey by RICHARDS Notes W.A.R. | Notes Chkd. ____ Checked ____ X-Sec. ____
Indexed H.E. QIT Date ____ Date ____ No. ____

STATION	B.S.	H.I.	F.S.	ELEV.	PACKERS AVE. LT. & RT.
B.M. #1				185.19	B.M. #1 EL. = 185.187 FB. 2198-44 PACKERS AVE., N. SIDE, @ W. & P. R/W. L. & T. IN C.B. @ E. R/W. LINE.
6+52°	S.S.J.C. / N. SIDE			184.66 184.66	21.5' LT., W. RIM " E. "
"				177.81	8" ????? OUTLET EAST
					EAST. 6.18 MEAS. 184.66 RIM; 0.67 DIA. ⊖ 6.85; 6.85 177.81 INVERT
"				177.84	8" INLET WEST
					WEST. 6.15 MEAS. 184.66 RIM; 0.67 DIA. ⊖ 6.82; 6.82 177.84 INVERT
"				177.85	8" OUTLET SOUTH
					SOUTH 6.14 MEAS. 184.66 RIM; 0.67 DIA. ⊖ 6.81; 6.81 177.85 INVERT

76-L298 CE 307 3-61

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	PACKERS AVE. LT.	℄ RT.
6+52°	S.S.J.C.			184.64		22.5 RT., W. RIM
	S. SIDE			184.61		" E. "
"				177.70	8" INLET NORTH.	NORTH.
						6.25 MEAS. 184.62 RIM.
						0.67 DIA. ⊖ 6.92
						6.92 177.70 INVERT
"				177.67	8" INLET WEST. (OFFSET 1° SOUTH.)	WEST.
						6.28 MEAS. 184.62 RIM
						0.67 DIA. ⊖ 6.95
						6.95 177.67 INVERT
"				177.67	8" OUTLET EAST (OFFSET 1° SOUTH.)	EAST
						6.28 MEAS. 184.62 RIM.
						0.67 DIA. ⊖ 6.95
						6.95 177.67 INVERT

Profile No. ____ Notes Red ____ Plotted ____ Job No. 043200 Division No. 11 F.B. 2198 Pg. 97
X-Sec. No. ____ Date ____ Date ____ Survey of PACKERS AVE.
Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes W.A.P. Date 12-20-61
Date ____ Date ____ Map No. ____ Indexed H. F. OTT Date ____

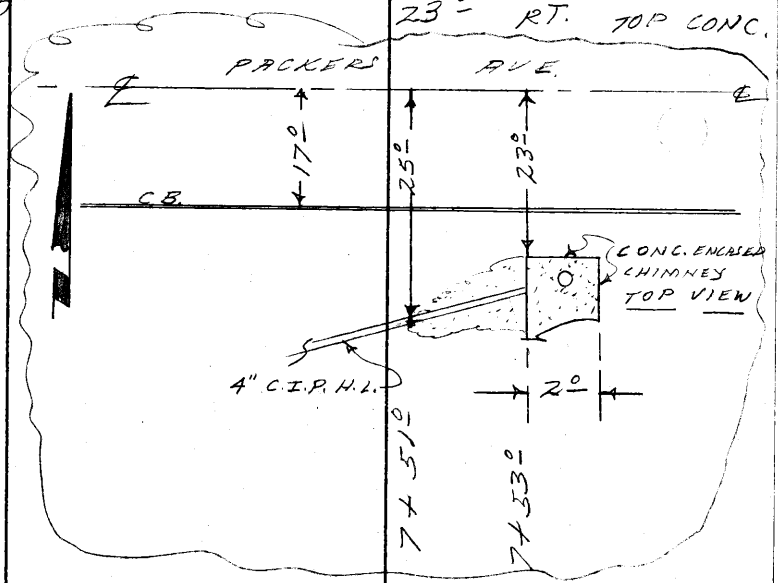
76-L298 CE 307 3-61

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	PACKERS AVE. LT. ℄ RT.
7+51°	H.L.			182.00	25° RT., TOP 4" C.I.P.
7+53°	TOP CONC. BLOCK.			182.20	23° RT. TOP CONC.
T.P.				184.62	



F.B. 2198 Pg. 98 | 0432.00
Job No. | Division No. 11 | Notes Red | Plotted | Profile
Survey of PACKERS AVE. | Date | Date | No.
Survey by RICHARDS | Notes W.A.R. | Notes Chkd. | Checked | X-Sec.
Indexed H.E. OIL | Date | Date | Date | No.

76-L298 CE 307 3-61

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	PACKERS AVE. LT.	& RT ← 6" ?
8 + 35.5	H. L.			177.47		25.0 TOP 8" V.C.P. N.L.
						183.77 — TOP CONC. W.K.
						6.30 MEAS
						177.47
8 + 46°	H. L.			178.70		25° TOP 6" V.C.P.
B.M. # 1				185.19	B.M. # 1 EL. = 185.187 PACKERS AVE., N. SIDE, L. & T. IN N. CB. @	FB. 2198 - 44 @ W. & P. R/W. E. R/W. LINE
					E. 45TH	ST.
					(OVER)	

Profile Notes Red ____ Plotted ____ Job No. ____ Division No. 11 F.B. 2198 Pg. 99
No. ____ Date ____ Date ____ Survey of PACKERS AVE.
X-Sec. ____ Notes Chkd. ____ Checked ____ Survey by [illegible] Notes [illegible] Date 12-21-61
No. ____ Date ____ Date ____ Map No. ____ Indexed H. E. OH Date ____

76-L298 CE 307 3-61

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STATION	B.S.	H.I.	F.S.	ELEV.	E. 45TH ST. LT. & RT.
B.M. #4				184.15	B.M. #4 EL.=184.152 FB. 2198-45 45TH ST. & ALLEY W. OF DOWNEY RD. N.E. COR. L. & T. 2° E. OF E. END C.R.
10+30°	H.L.			178.70	25° TOP 8" V.C.P. H.L.
					184.65 Ground 5.95 MEAS. 178.70
B.M. # S.Y. 4657				184.13	B.M. S.Y. 4657 EL.=184.125 FB. 2198-45 DOWNEY RD. & E. 45TH ST., N.W. COR. L. & T. 3° W. OF W. END C.R.

F.B. 2198 Pg. 100 Job No. 0432.00 Division No. 11 Notes Red ____ Plotted ____ Profile ____
Survey of PACKERS AVE Date ____ Date ____ No. ____
Survey by RICHARDS Notes W.A.R. Notes Chkd. ____ Checked ____ X-Sec. ____
Indexed H. E. OIT Date ____ Date ____ No. ____

Notes Ck'd by	Survey of 3RD ST PET DIST.
Map No.	JN 0432.00 Tape Std.
Office Work	Surveyed by J. Sappell
Checked	Notes D.V. Date 1/6/62
Date	Indexed B. J. GALLI

F.B. 2198 Pg. 101

J.N. 0432.00

THIRD ST PETITION DIST.
SAN PEDRO

SANITATION INVESTIGATION

LOC OF HOUSES SO SIDE
OF 3RD ST FROM PATTON
AVE TO HARBOR VIEW AVE

Sappell
Peterson
Lieber

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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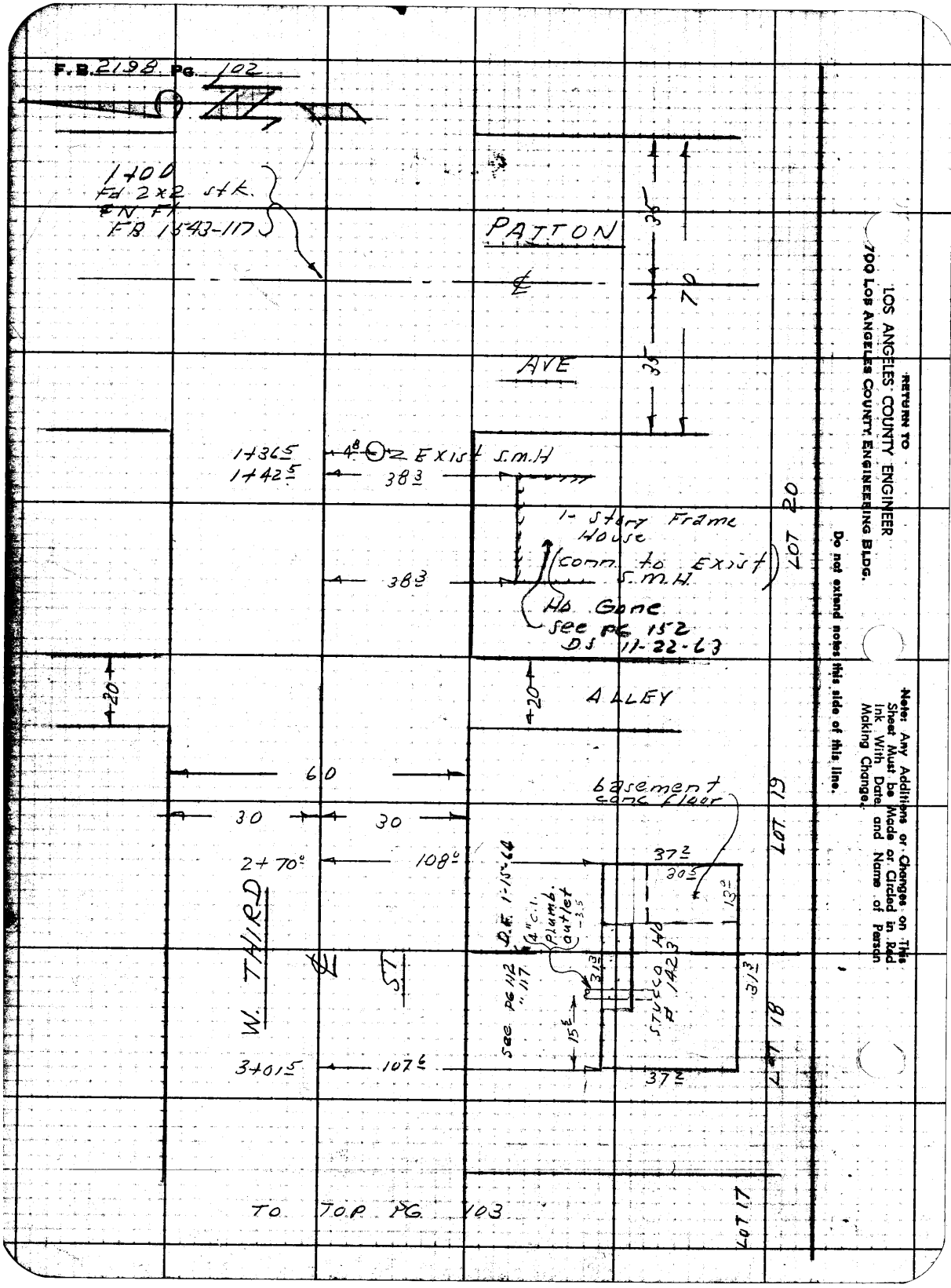
76BC98 CE #247—7-59

F.B. 2198 Pg. 102



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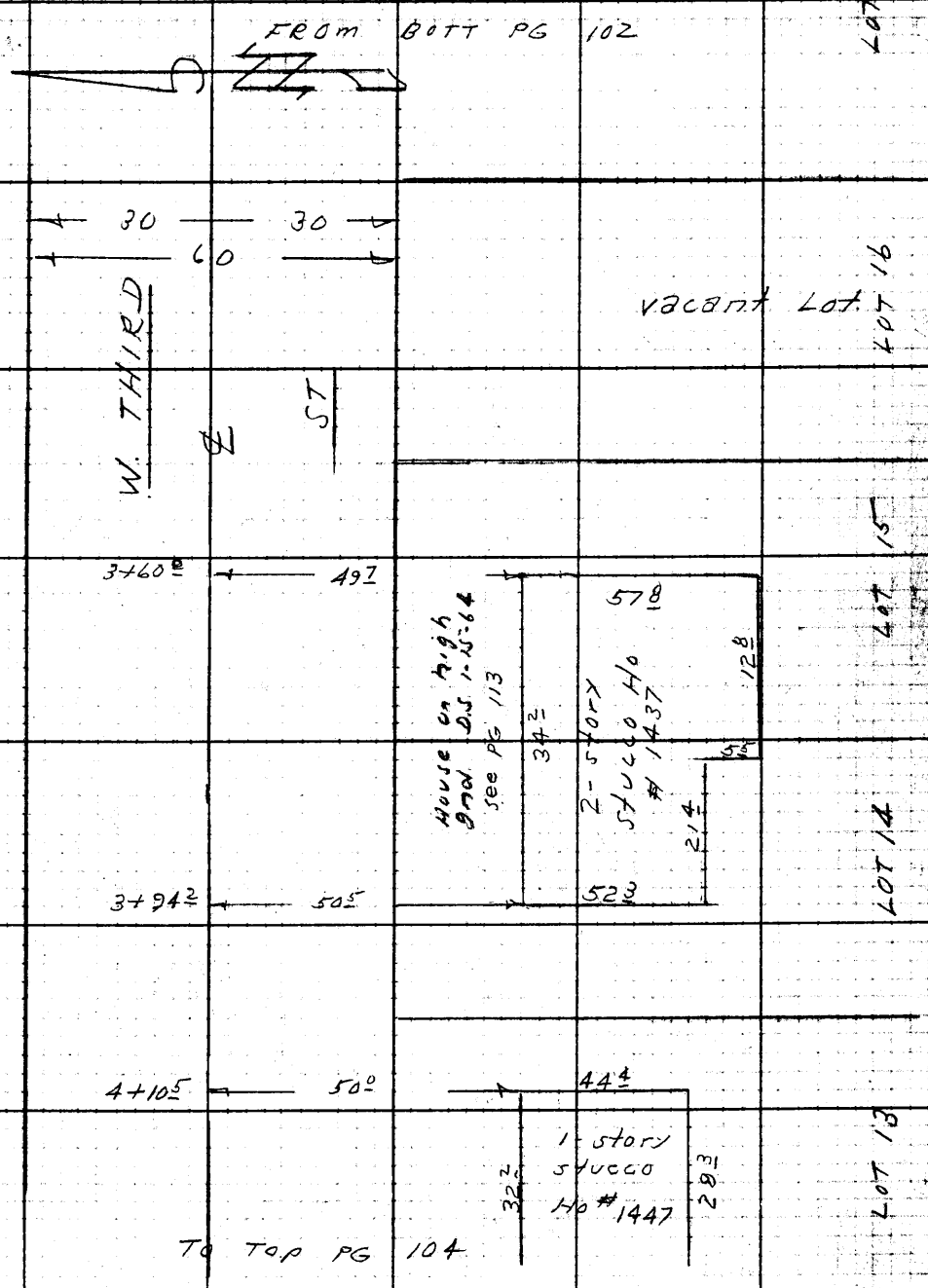
Notes Ck'd by	Survey of 3rd St. Pet. Dist. (SAN PEDRO)
Map No.	JN 6432.00 Tape Std °F
Office Work	Surveyed by S. Sappell
Checked	Notes D.S. Date 10-62
Date	Indexed [redacted]

F. B. 2198 Pg. 103



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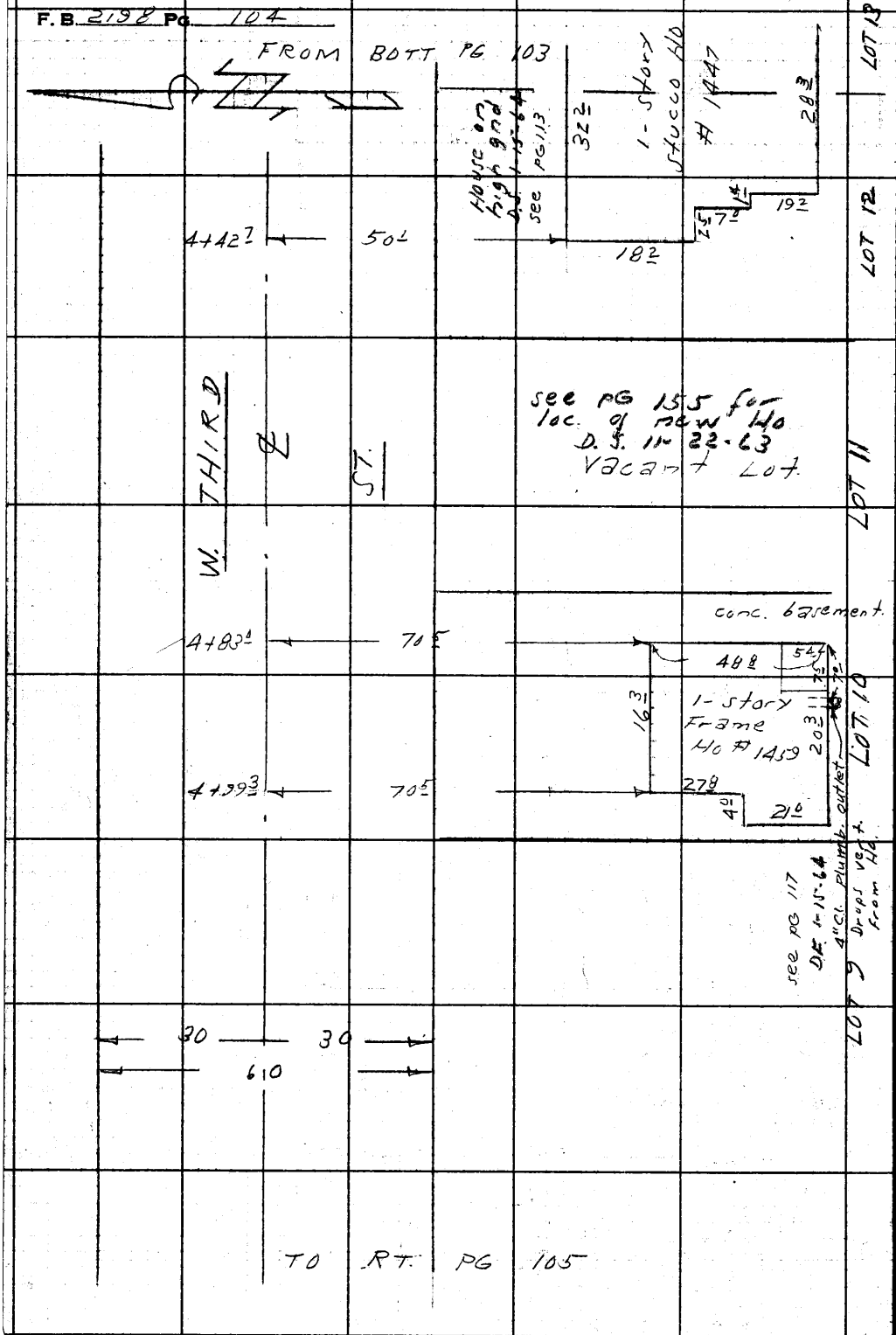
76F308S CE #247 3-57

F. B. 2198 Pg. 104



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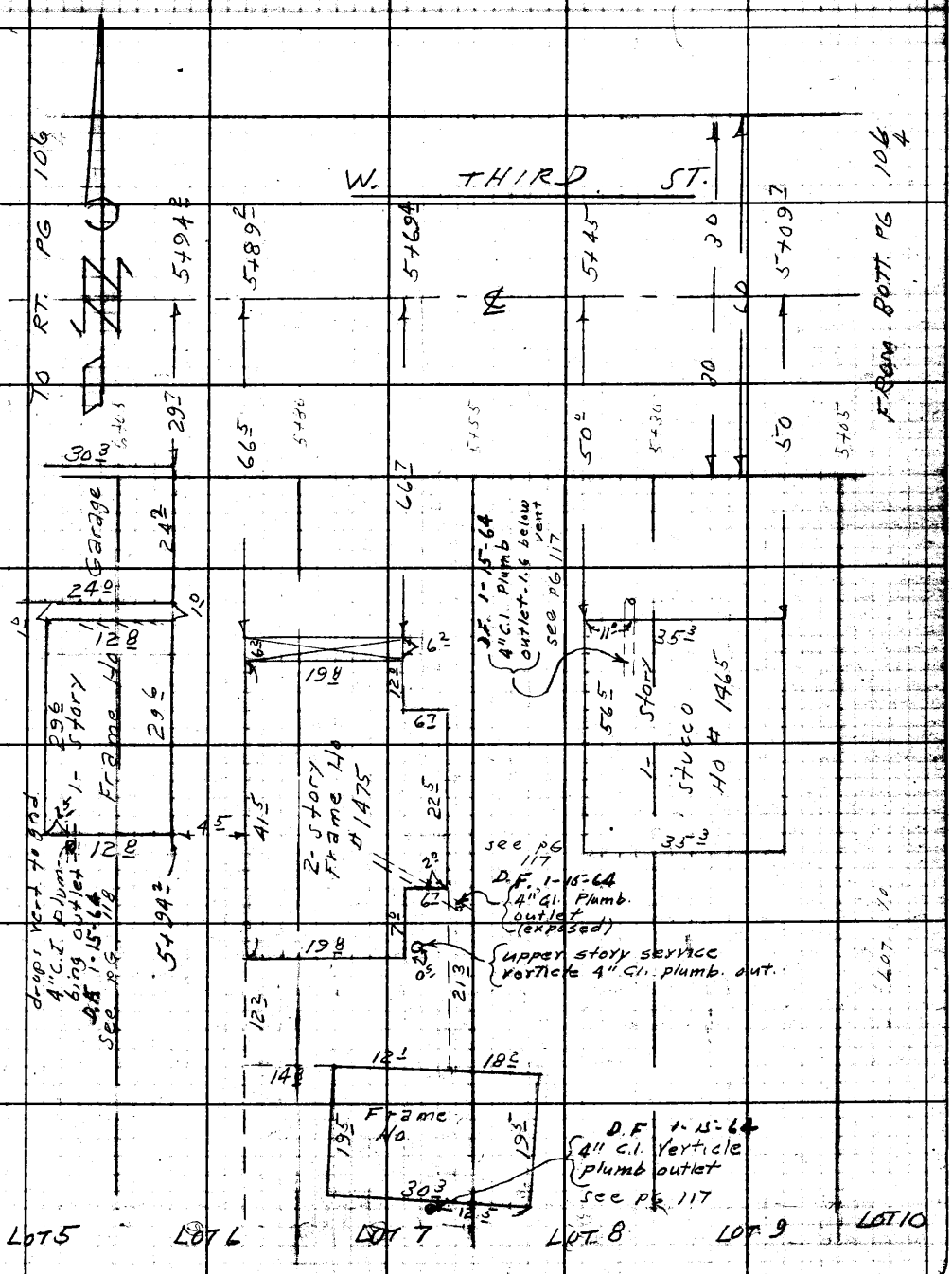
(SAN PEDRO)

Notes Ck'd by	Survey of 3RD ST Pct. Dist
Map No.	JN 0432.00 Tape Std °F
Office Work	Surveyed by D. Sappell
Checked	Notes D.S. Date 10-62
Date	Indexed R. J. GALLI

F. B. 2198 PG. 105



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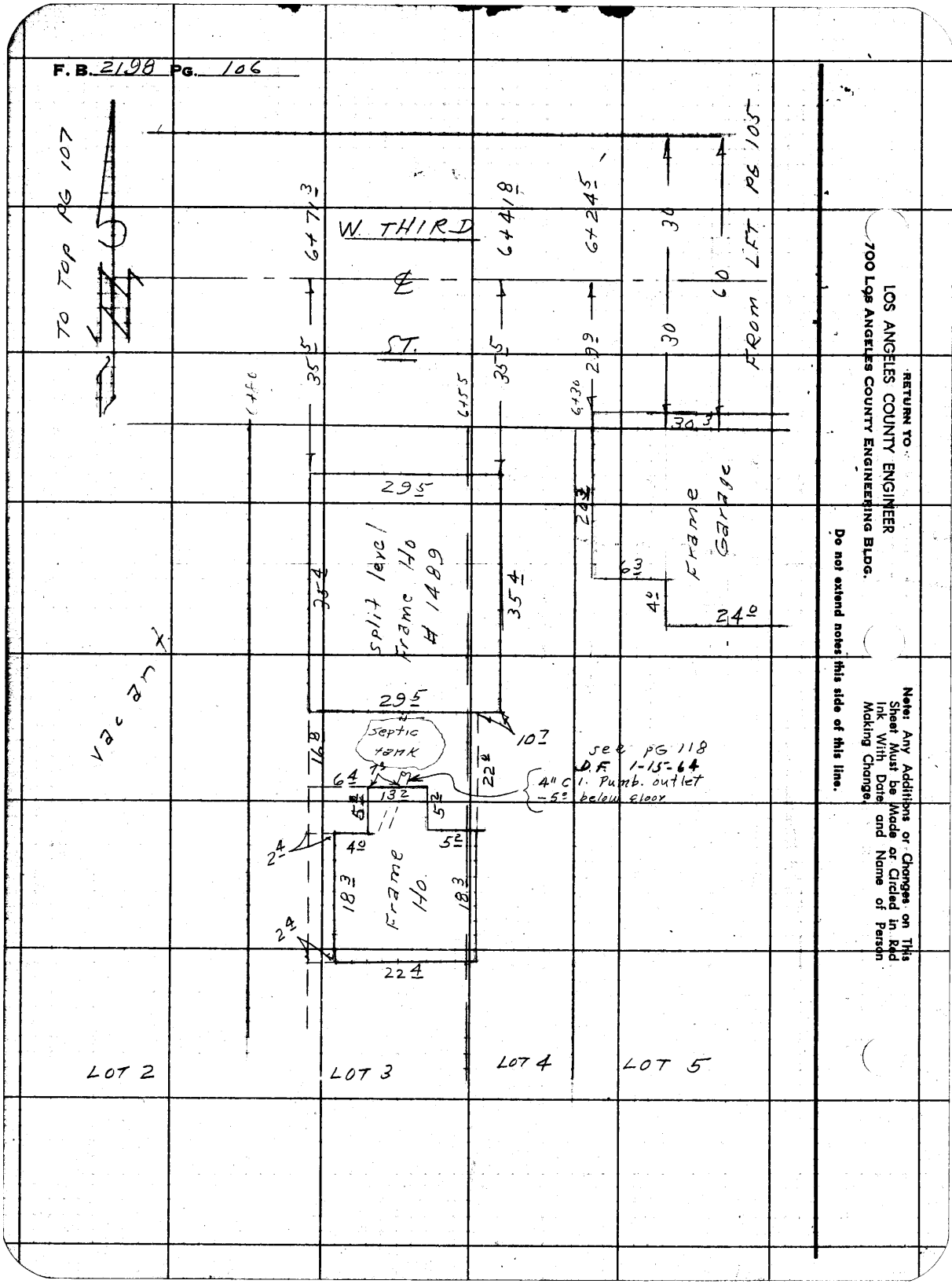
DO LOS ANGELES COUNTY ENGINEERING BLDG.

768095 CE #247—7-53

F. B. 2198 PG. 106



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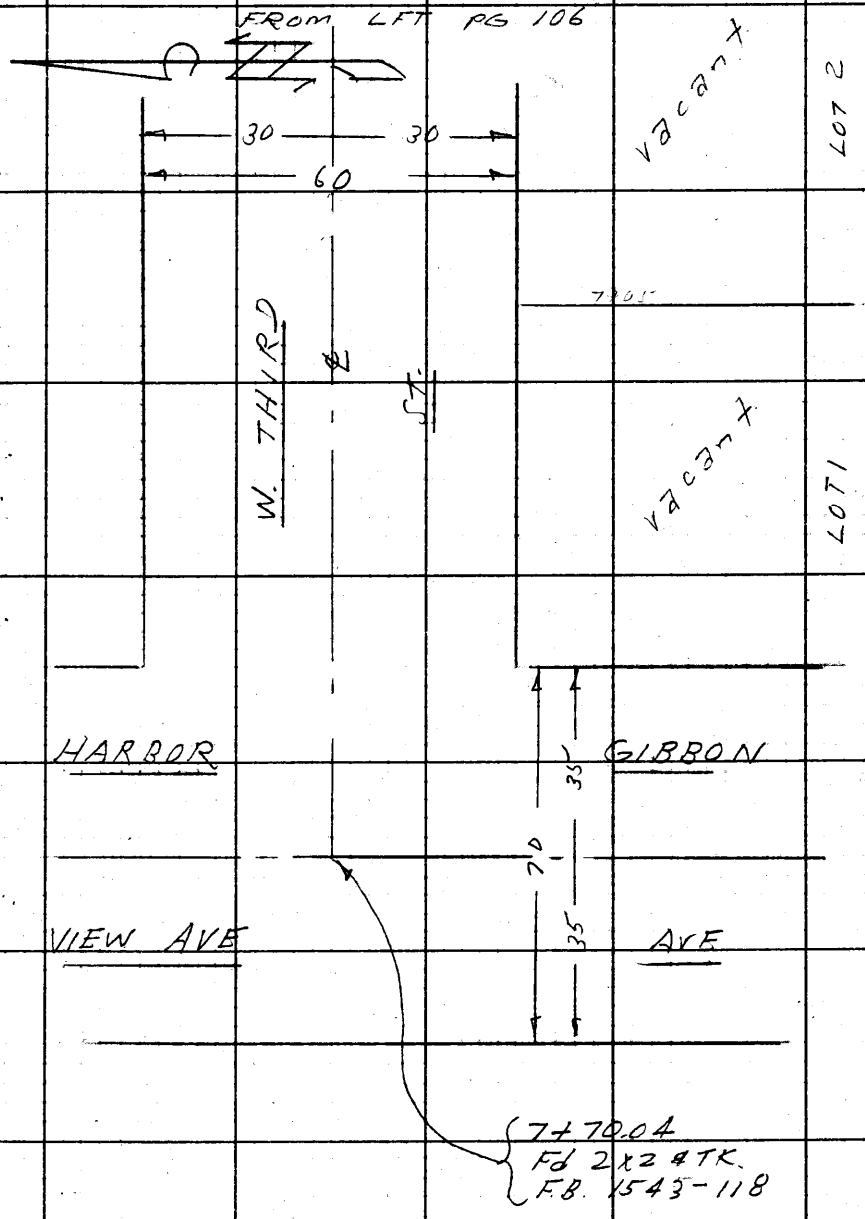
(SAN PEDRO)

Notes Ck'd by	Survey of 3RD ST. DET DIST
Map No.	JN 0432.00 Tape Std °F
Office Work	Surveyed by J. Sappell
Checked	Notes D.S Date 10-62
Date	Indexed B. J. GALLI

F. B. 2198 PG. 107



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763098 CE #247—7-53

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F.B. 2198 PG. 108

Profile No.	Notes Red	Plotted	Job No. 0432.00	Division No. 11	F.B. 2198	Pg. 109
	Date	Date	Survey of Third St. Pet. Dist. (San Pedro)			
X-Sec. No.	Notes Chkd.	Checked	Survey by Sappell	Notes DS	Date 10-18-62	
	Date	Date	Map No.	Indexed [redacted] J. GAIN	Date [redacted]	

J.N. 0432.00

THIRD ST. PETITION DIST.
SAN PEDRO
SANITATION INVESTIGATION

CROSS-SECTIONS

ON

THIRD ST.

FROM

S. PATTON AVE TO HARBOR VIEW AVE

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

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76L-298 CE 307 11-58

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STATION	B.S.	H.I.	F.S.	ELEV.		
BM 35-8				324 69	✓BM 35-8 El. 324.695 In San Pedro at the approx & int of Western Ave & W. 1ST ST. - A. city of L.A. traverse sta. (Mkd S.P.H. 078) A brass disk set in conc. 10" below the surf. & prot. by a cast iron cover mkd "City OF L.A. Monument Engineering"	F.B. 1356-14, 1953 Adj El.
	4 45	329 14 ✓				
T.B.M #3			2 11	327 03	✓TBM #3 El. 327.004 In San Pedro at Western Ave & 1ST st, in the N.E. cor -A lg. nail stamped "46" & set in lead 5.8 Ft E of E end of the curb return & mkd "B.M"	F.B. 1356-14, 1953 Adj El
	5 21	332 24 ✓				
T.P.	059	328 79 ✓	4 04	328 20	✓T.P.	
T.P.	034	323 14 ✓	5 99	322 80	✓T.P.	
T.P.	139	318 46 ✓	6 07	317 07	✓T.P.	
T.P.	258	314 94 ✓	6 10	312 36	✓T.P.	
T.P.	174	310 71 ✓	5 97	308 97	✓T.P.	
T.P.	190	306 52 ✓	6 09	304 62	✓T.P.	
T.P.	279	303 35 ✓	5 96	306 56	✓T.P.	
T.P.	322	300 37 ✓	6 20	297 15	✓T.P.	
T.P.	168	296 74 ✓	5 31	295 06	✓T.P.	

F.B. 298 Pg. 110
Survey of Third St. Pet. Dist (San Pedro)
Survey by Sappell Notes D.S.
Indexed B. J. GALL Date
Job No. 0432.00 Division No. 11
Notes Red Date Notes Chkd. Date
Plotted Date Checked Date
Profile No. X-Sec. No.

76L-298 CE 307 11-58

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STATION	B.S.	H.I.	F.S.	ELEV.		
		296 74 ✓				1543
BM #3			465	292 09 ✓	BM #3 El. 292.040	F.B. 154-127, Third St.
	3 85	295 94 ✓			& Patton Ave - S.W.	cor. - Bt. Spk Top conc
					Ret wall 25' S. & 63' W of int.	
					LT.	℄ 3RD st RT.
1+00			150	294 44 ✓	PG 102	℄ int. Patton Ave & W.
						3RD st.
			13 28	282 66 ✓	155 LT.	
1+36.5					4.8 LT. ctr. S.M.H.	
			372	292 22 ✓	E'ly Rim	
			3 86	292 08 ✓	W'ly "	
			13 75	282 19 ✓	inv. 8"x6" "Y" Stub - W'ly	3.86 Rod 9.22 M 0.67 Diam 13.75
			14 04	281 90 ✓	inv. 8" outlet E'ly	3.72 9.65 0.67 14.04
1+35			357	292 37 ✓		℄
			409	291 85 ✓		16 Ed pv. & F/L
			05	295 4 ✓		30 P/L
			427	291 67 ✓	15 Ed pv.	
			38	292 1 ✓	30 P/L	

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0432.00 Division No. 11 F.B. 2198 Pg. 111
X-Sec. No. ____ Date ____ Date ____ Survey of Third St. Pet. Dist. (San Pedro)
Notes Chkd. ____ Checked ____ Survey by Sappell Notes DS Date 10-18-62
Date ____ Date ____ Map No. ____ Indexed B. J. GAUL Date ____

76L-298 CE 307 11-58

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STATION	B.S.	H.I.	F.S.	ELEV.		℄ W 3 RD ST
		295 94 ✓			LT.	RT.
2+00			10 10	285 84 ✓		℄
			10 47	285 47 ✓		16 Ed pv.
			6 0	289 9 ✓		30 P/L
			10 22	285 72 ✓	5 pv.	
			10 70	285 24 ✓	15 Ed pv.	
			9 4	286 5 ✓	24 brk.	
			9 5	286 4 ✓	30 P/L	
T.P.			11 24	284 70 ✓	T.P.	
	0 93	285 63 ✓				
2+35			+0.5	286 1 ✓	30 Top slope	℄ P/L
2+50			5 18	280 45 ✓		℄
			5 34	280 29 ✓	5 pv.	
			6 10	279 53 ✓	15 Ed pv.	
			7 5	278 1 ✓	30 Toe slope	
			13 8	271 8 ✓	155 back lot line	
2+76.5	6.58 + 7.30 =		13 88	271 75 ✓	130 ctr basement floor Ho 1423	
3+00			8 31	277 32 ✓		℄
			8 10	277 53 ✓		15 Ed pv.
			7 7	277 9 ✓		30 P/L
			8 59	277 04 ✓	5 pv.	

F.B. 2198 Pg. 112
Job No. 0432.00 Division No. 11 Notes Red Plotted Profile
Survey of 3RD ST Pet Dist (San Pedro) Date Date No.
Survey by Sappe 11 Notes D.S. Notes Chkd. Checked X-Sec.
Indexed C. J. GAIN Date Date Date No.

Profile No.______ X-Sec. No.______

Notes Red______ Date:______ Notes Chkd.______ Date______

Plotted______ Date______ Checked______ Date______

Job No. 0432.06 Division No. 11 Survey of 3 RD ST. Pet. Dist (San Pedro) Survey by Sappell Notes J.S. Date 10-22-62 Map No.______ Indexed E. J. GALL Date______

F.B. 2198 PG. 113

76L-298 CE 307 11-58

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℄ W. 3RD ST.

STATION	B.S.	H.I.	F.S.	ELEV.	LT.	RT.
		285 63 ✓				
3+00			905	276 58 ✓	15 Ed. pv.	
			83	277 3 ✓	30 P/L	
			75	278 1 ✓	155 back lot	line
3+30			75	278 1 ✓	30 P/L & Toe	slope.
3+50			642	279 21 ✓		℄
			673	278 90 ✓		16 Ed pv.
			61	279 5 ✓		30 P/L
			662	279 01 ✓	5 pv.	
			727	278 36 ✓	5 Ed pv.	
			38	281 8 ✓	30 P/L	
3+77			218	283 45 ✓	50.5 Lower floor	El. Ho 1437
4+00			004	285 59 ✓		℄
			040	285 23 ✓		13.5 Ed pv.
			070	284 93 ✓		30.0 P/L
			017	285 46 ✓	5 pv.	
			074	284 89 ✓	15 Ed pv.	
			(+2.1)	287 7 ✓	30 P/L	
T.P.	998	294 73 ✓	0 88	284 75 ✓	T.P.	
4+26			006	294 67 ✓	50.5 Floor el.	Ho. # 1447
4+50			260	292 13 ✓		℄
				D.F.		

76L-298 CE 307 11-58

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F.B. 2198 Pg. 114 Job No. 0432.00 Division No. 41 Notes Red ____ Plotted ____ Profile ____
Survey of 3rd St. Pet. Dist (San Pedro) Date ____ Date ____ No. ____ X-Sec. ____
Survey by Notes D.S. Notes Chkd. ____ Checked ____ No. ____
Indexed E. I. GALLI Date ____ Date ____

STATION	B.S.	H.I.	F.S.	ELEV		℄ 3RD ST.	
		294 73 ✓			LT.		RT.
4+50			302	291 71 ✓		13	Ed pv.
			23	292 4 ✓		20	brk
			21	292 6 ✓		30	P/L
			279	291 94 ✓ 5			
			338	291 35 ✓ 5	Ed pv.		
			21	292 6 ✓ 30	P/L		
			71	287 6 ✓ 55	back lot	line	
T.P.	941	302 92 ✓	122	293 51 ✓ T.P.			
4+91			703	295 89 ✓ 71°	Floor Elev.	Ho #1459	
4+86		703+6.30 =	1333	289 59 ✓ 116°	Fl. conc.	floor basement	
5+00			662	296 30 ✓		℄	
			710	295 82 ✓		14.3	Ed pv.
			64	296 5 ✓		20.3	brk
			63	296 6 ✓		30	P/L
			677	296 15 ✓ 5	pv.		
			736	295 56 ✓ 5	Ed pv.		
			73	295 6 ✓ 30	P/L		
5+27			522	297 70 ✓ 50.5	Floor El.	Ho #1465	
5+50			464	298 28 ✓		℄	
T.P.	095	295 68 ✓	819	294 73 ✓ T.P.			

D.F.

76L-298 CE 307 11-58

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STATION	B.S.	H.I.	F.S.	ELEV.		℄ W 3RD St.
		29568 ✓			LT.	RT.
5+62.7	10.79+3.10 =		1389	28179 ✓	134	Floor El. Ho # ?
5+79.8			595	28973 ✓	107	Lower floor El. Ho # 1475
	13.9 + 12.5 =		264	2693 ✓	155	back lot line
T.P.	927	30402 ✓	093	29475 ✓	T.P.	
5+95			1057	29345 ✓	60	Floor El. Ho # ?
6+00			490	29912 ✓		℄
			477	29925 ✓		14.5
			37	3003 ✓		30
			517	29885 ✓	5	
			628	29774 ✓	16.2	Ed pv.
			72	2968 ✓	29.9	Face garage
6+50			496	29906 ✓		℄
T.P.	030	29685 ✓	747	29655 ✓	T.P.	
6+53			658	29027 ✓	70	Lower floor El. Ho # 1489
			544	29141 ✓	94	Floor El. Ho # ?
T.P.	660	30312 ✓	033	29652 ✓	T.P.	
7+00			514	29798 ✓		℄
			481	29831 ✓		12 Ed pv.
			25	3006 ✓		21 Brk.
			07	3024 ✓		30 P/L

D.F.

Profile No. ____ Notes Red ____ Plotted ____ Date ____ Job No. 0432.00 Division No. 11 F.B. 2198 Pg. 115
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Date ____ Survey of 3 RD ST. Pet Dist (San Pedro)
Survey by Sappell Notes D.S. Date 10-22-62
Map No. ____ Indexed C. J. GALLI Date ____

76L-298 CE 307 11-58

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STATION	B.S.	H.I.	F.S.	ELEV			℄ 3 RD ST
		303 12			LT.		RT.
7+00			5 46	297 66	5		
			5 95	297 17	8.5		
			79	295 2	24	brk.	
			98	293 3	30	P/L	
			210	282 1	78	brk.	hand level. 12.0 + 9.0 = 21.0
			50 0	253 1	147	bott canyon.	21.0 + 3.0 + 12.5 + 13.5 = 50
7+35.0			5 3	297 8			℄
			46	298 5			19 bott brk.
			22	300 9			25 Top "
			10	302 1			30 P/L
			5 2	297 9	10	Top slope.	
			11 8	291 3	30	P/L	
7+70.04			8 6	294 5		PG 107	℄ int. W. 3 RD st & Harbor View Ave.
T.P.			3 60	299 52	T.P.		
	1175	311 27					
T.P.			1 09	310 18	T.P.		
	1059	320 77					
T.P.			0 70	320 07	T.P.		
	841	328 48					

F.B. 2198 Pg. 116 Job No. 0432.00 Division No. 11 Notes Red ____ Plotted ____ Profile ____
Survey of 3 RD ST Pet. Dist (San Pedro) Date ____ No. ____ X-Sec. ____
Survey by Sappell Notes D.S. Notes Chkd. ____ Checked ____ No. ____
Indexed C. J. GAUL Date ____ Date ____ Date ____

76L-298 CE 307 11-58

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STATION	B.S.	H.I.	F.S.	ELEV.	
		328 48 ✓			
T.P.			0 26	328 22 ✓	T.P.
	4 79	333 01 ✓			
T.P.			6 01	327 00 ✓	T.P.
	2 45	329 45 ✓			
BM 35-8			4 74	324.71 ✓	BM 35-8 El. 324.695 see PG 110
THE FOLLOWING ELEV^S. ADDED 1-16-64 For description					
		Elev. OF PLUMBING OUTLETS HOUSES ON S. SIDE W. 3RD ST			
BM EX 37	D.S.	1-16-64		280 21 ✓	280.210 adj - El. 280.206 F.B. 2198-160, W. Third St. BM EX 37 To be adj. 263'± W. of Patton Ave & 28' N. of W. Third St. - Bt spk in conc. DR. to Ho #1433
	Note stationing per F.B. 2198 - 102 to 107 & 152 to 156				
2+86.0		(see pG 102)		273.00	LT. & S. 107.0 Top 4" C.I. plumbing outlet Ho # 1423 ℄ Third. RT & N.
TP.				289 15	TP.
4+76.2		(see pG 155)		293 75	70.3 conc. slab over 4" C.I plumbing outlet Ho# 1457
4+90.0		(see pG 104)		294 75	119.3 Top 4" C.I outlet at Floor El. Ho# 1459
"				289 2	119.3 Elev. gnd at 4" C.I. Vert Plumbing outlet Entry
5+34.0		(see pG 105)		295 64	50.0 Top 4" C.I plumbing outlet Ho # 1465
TP.				299 08	TP.
5+57.0		(see pG 105)		281 4	146.4 Top 4" C.I outlet at floor. hand level 299.1 - (9.2 + 8.5) = 281.4
5+57.0				273 6	146.4 gnd at vert outlet entry.
TP.				290 18	TP.
5+64.7		(see pG 105)		286 46	107.4 Top exposed 4" C.I plumbing outlet Ho # 1475

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0432.00 Division No. 11 F.B. 2198 Pg. 117
X-Sec. No. ____ Date ____ Date ____ Survey of 3 RD ST. Pet Dist (San Pedro)
Notes Chkd. ____ Checked ____ Survey by Sappell Notes D.S. Date 10-22-62
Date ____ Date ____ Map No. ____ Indexed [illegible] Date ____

76L-298 CE 307 11-58

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STATION	B.S.	H.I.	F.S.	ELEV	LT & S.	℄ W. 3 RD ST	RT & N.
T.P.				299 08	TP.		
6+16 7		(see pG 105)		293 00	84 5 Top 4" C.I. Plumbing outlet at floor Ho. W. of Ho # 1475		
6+16 7				289 0	84 5 Elev. of grnd at vert outlet entry		
TP.				291 03	TP.		
6+63 9		(see pG 106)		286 37	87 7 Top 4" C.I. Plumbing outlet House behind Ho # 1489		
TP.				294 21	TP.		
TP.				301 18	TP.		
BM EX 38				303 30	BM EX 38 El. 303.313 (to be adj) F.B. 2198-160 W. Third St. & S. Harbor View Ave, N.E. cor. - Bt spk in walk to Ho #1496 - 0 5 N. of gate.		

THE ABOVE ELEV.'s ADDED ON 1-16-'64

D. Sappell

F.B. 2198 Pg. 118 Job No. 2278.14 Division No. H Notes Red Plotted Profile
Survey of W. 3 RD ST. (Add Work) Date Date No. X-Sec.
Survey by D. S. Notes D. Sappell 1-16-64 Notes Chkd. Checked No.
Indexed C. J. GALL Date Date Date

NOTES RED ____ JOB NO. 2223.34 SURVEY OF Edwards Ave
DATE ____ SURVEY BY Holmes
NOTES CHKD. Miller NOTES BY Walsh DATE 11-14-62
DATE Nov 1962 INDEXED B. J. GALLI DATE NOV 20 62

F.B. 2188 Pg. 119

C.I 2223.34

EDWARDS AVE

BENCH LEVELS

Note. Could not use BM-ME118 as it falls in fenced area of Edison Sub sta.

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION

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765420 S & E-353 9-55

765420 S & E-353 9-55

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JOB NO. 2223 34 SURVEY OF Edwards Ave NOTES RED. ____ DATE ____
SURVEY BY Holmes DATE 11-14-62 NOTES CHKD. ____ DATE ____
NOTES BY Watson
INDEXED B. J. GALLI

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
BM 14-5	244.644 ✓				244.644	BM 14-5-EL 244.647-FB 1379-206
	+ 4.918		4.805			FB 1927-58 - Merced Ave & Rush St
⊼	249.562 ✓	+0.903	+0.902			100' N & 25' W of INTER. - CS. Mon in well
	- 4.015		3.903			
BM-ME121	245.547 ✓				245.547	BM ME 121 - EL 245.519 - FB 1728-70
	+3.681		3.492			FB 1927-58 - Rush St & Merced Ave
⊼	247.228 ✓	-0.540	-0.539			N.W. Cor. - BT Spk in S.E. Cor.
	-4.221		4.031			Conc apron to Service sta.
T.P.	245.007 ✓					
	+5.469		5.371			
⊼	250.476 ✓	+1.294	+1.292			
	-4.175		4.079			
TP	246.301 ✓					
	+4.060		3.991			
⊼	250.361 ✓	+0.770	0.769			
	-3.290		3.222			
set ME118A	247.071 ✓				247.071	ME118A EL - FB 0196-120
"	+3.118		2.973			Rush St & Edwards Ave
⊼	250.189 ✓	-0.779	-0.779			N.E. Cor - L & N in conc base
	-3.897		3.752			of Fence West - 30' N & 30' S of inter.
TP	246.292 ✓					
	+3.999		3.946			
⊼	250.291 ✓	-1.293	-1.292			
	-5.292		5.238			
TP	244.999 ✓					
	+4.292		4.216			
⊼	249.291 ✓	-0.356	-0.357			
	-4.648		4.573			
BM 14-5	244.643 ✓				244.644	BM 14-5 See tp LINE

F. B. 2198 PG. 120

Notes Ck'd by	Survey of Edwards Ave S.S.	F. B. 2198 Pg. 121
Map. No.	JN CI 222334 Tape Std °F	
Office Work	Surveyed by Holmes	
Checked	Notes Holmes Date 11-14-62	
Date	Indexed J. GALLI NOV 20 '62	

C.I. 222334

EDWARDS AVE S.S. DIST
(EL MONTE AREA)

LOCATION OF S.S. MH @ inter.
of
RUSH ST. & EDWARDS AVE.

Holmes
Walsh Jr.
Henderson
Moore.

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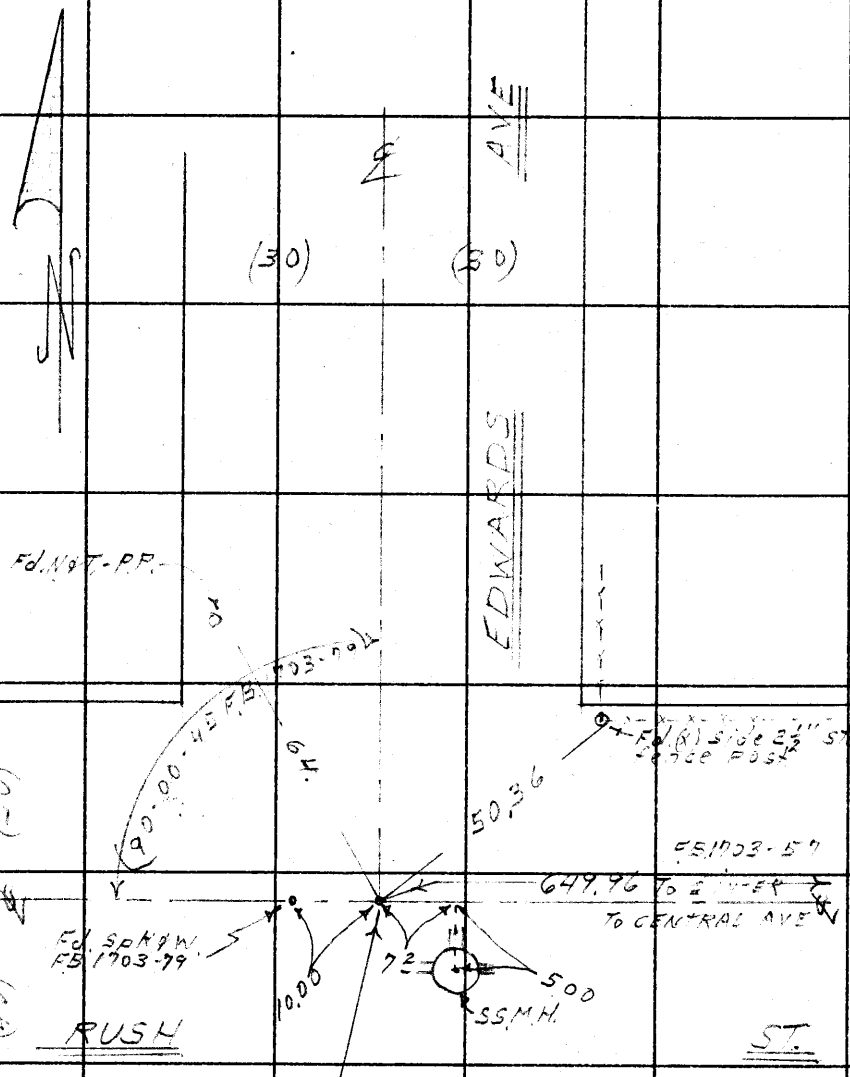
76F3095 CE # 310 3-61

F. B. 2198 Pg. 122



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Profile	Notes Red	Plotted	Job No. 2223.34	Division No. 11	F.B. 2198	Pg. 123
No.	Date	Date	Survey of Edwards Ave S.S.			
X-Sec.	Notes Chkd.	Checked	Survey by [illegible]	Notes [illegible]	Date [illegible]	
No.	Date	Date	Map No.	Indexed E. J. GALLI	Date NOV 20 '62	

CI 2223.34

Edwards Ave S.S

Inverts at M.H. @ inter.

Edwards Ave & Rush St

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

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76-L298 CE 307 3-61

76-L298 CE 307 3-61

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STATION	B. S.	H. I.	F. S.	ELEV.			
BM				247.07	BM EL 247.071 - FB 2198-120		
					Rush St. & Edwards Ave - N.E. Cor		
MH Rim E				246.37	L & N in conc. base of Fnce. Post. 30' N & 30' E. of		
16" INLET E.				237.19	℄ INTER.		
MH Rim N				246.37	8.30 meas .88 dia 9.18	8.53 meas .67 dia 9.20	8.38 meas .88 dia 9.26
8" INLET N				237.17	246.37 9.18 237.19 INV. E	246.37 9.20 237.17 INV. N	246.36 9.26 237.10 INV. W
MH Rim W				246.36			
10" OUTLET W				237.10			
BM				247.07	BM See typ. LINE		

F. B. 2158 Pg. 124 Job No. 222334 Division No. 11 Notes Red ____ Plotted ____ Profile ____
Survey of Edwards Ave S.S. Date ____ Date ____ No. ____ X-Sec. ____
Survey by Hughes Notes Walsh Notes Chkd. ____ Checked ____ No. ____
Indexed C. J. GALL Date ____ Date ____

Profile No.	Notes Red.	Plotted	Job No. 0515.60	Division No. 11	F. B. 2198 PG. 125
	Date	Date	Survey of Slauson Ave - Sewer Reconstruction		
X-Sec. No.	Notes Chkd Carl Sutter	Checked	Survey by J. Sappell	Notes D.S.	Date 1-10-63
	Date 1-11-63	Date	Map No.	Indexed [redacted] J. GALLI	Date [redacted] 1 1 63

J.N. 0515.60

P.C. # 6434

INV. ELEV. OF J.C.M.H.'s AT PARAMOUNT PL. & SLAUSON AVE & ALLEY E. OF PARAMOUNT PL. & SLAUSON AVE

STATION	B. S.	H. I.	F. S.	ELEV.
		Sappell Foulger Lieber Clifford Bustrum		

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76L-298 S & E #307—1-56

76L-298 S & E #307—1-56

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
BM AT 93				150 13	BM AT 93 El. 150.132	F.B. 1124-213 F.B. 1706-170 Rosemead
	4 57	154 70			Blvd. & Slauson Ave N.W. cor. - Bt. spk in cb. (41' N. of N. end C.R.)	
BM AT 94			5 13	149 57	BM AT 94 El. 149.571	F.B. 1706-170 F.B. 1124-214
					Slauson Ave & Manzanar Ave, N.E. cor. Bt. spk in cb. - 10' E. of E. end C.R.	
T.P.	4 43	154 00	5 17	148 83	T.P.	
T.P.	3 55	152 38	6 00	146 38	T.P.	
T.P.	4 46	150 84	4 75	146 09	T.P.	
T.P.	4 87	150 96	4 48	146 48	T.P.	
T.P.	5 24	151 72	4 52	147 20	T.P.	
	5 58	152 78				
1+00					ctr. J.C. M.H.	
(32' N & 5' W. of ℄ int. Slauson Ave & Alley E. of Paramount Pl.)						
			5 66	147 12	N'ly Rim	
			5 63	147 15	E'ly Rim	
			5 64	147 14	W. Rim	
			15 18	137 60	inv. 8" inlet N'ly	Rod 5.66 Meas. 8.85 Diam 0.67 T. Rod. 15.18
			15 25	137 53	inv. 8" inlet E'ly	Rod. 5.63 meas. 8.95 Diam 0.67 T. Rod 15.25
			15 21	137 57	inv 8" outlet W.	R. 5.64 M. 8.90 D. 0.67 T. Rod 15.21

F. B. 2198 PG. 12C

Job No. 05-15-60 Division No. 11 Notes Red. Plotted Profile

Survey of Slauson Ave. Sewer Recons. Date No. X-Sec.

Survey by Sappell Notes D.S. Notes Chkd Carl Sutter Checked

Indexed C. J. GALLI Date 1-11-63 Date No.

76L-298 S & E #307—1-56

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STATION	B. S.	H. I.	F. S.	ELEV.		
		152 78				
1+50			5 57	147 21	surf. over sewer.	
2+00			5 44	147 34	" " "	
2+57					ctr. J.C.M.H.	
(35' N. of ℄ Slauson Ave & on ℄ of Paramount PL.)						
			5 17	147 61	N'ly Rim	
			5 17	147 61	W'ly Rim	
			5 17	147 61	S. Rim	
			18 72	134 06	inv. 18" stub N'ly	R. 5.17 M. 12.05 D. 1.50 T. Rod. 18.72
			18 54	134 24	inv. 12" inlet W.	R. 5.17 M. 12.37 D. 1.00 T. Rod. 18.54
			19 06	133 72	inv. 18" outlet S'ly	R. 5.17 M. 12.39 D. 1.50 Tot. Rod. 19.06
T.P.			5 77	147 01	T.P.	
	464	151 65				
T.P.			5 35	146 30	T.P.	
	460	150 90				
T.P.			4 81	146 09	T.P.	

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 05-15-60 Division No. 11 F. B. 2198 Pg. 127
Date ____ Date ____ Survey of Slauson Ave. Sewer Recons.
X-Sec. No. ____ Notes Chkd Carl Sutter Checked ____ Survey by D. Sappell Notes D.S. Date 1-10-63
Date 1-11-63 Date ____ Map No. ____ Indexed R. J. GALLI Date ____

F. B. 2198 Pg. 128 (4)

Job No. 0515.60 Division No. 11 Notes Red. Plotted Profile

Survey of Slauson Ave - Sewer Recons. Date Date No.

Survey by Sappell Notes D. S. Notes Chkd Carl Sutter Checked X-Sec.

Indexed E. J. GALLI Date Date 1-11-63 Date No.

76L-298 S & E #307—1-56

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STATION	B. S.	H. I.	F. S.	ELEV.	
T.P.				146 09	T.P.
T.P.	537	151 46	418	147 28	T.P.
T.P.	599	153 27	404	149 23	T.P.
BM AT 94	523	154 46	490	149 56	BM AT-94 El. 149.571 (F.B. 1706-170 F.B. 1124-214) Slauson Ave & Manzanar Ave, N.E. cor. Bt. Spk in cb. - 10' E of E. end CR

Notes Ck'd by	Survey of Roseton Ave	F. B. 2198 PG. 129
Map No.	JN 0600.00 Tape Std °F	
Office Work	Surveyed by D. Sappell	
Checked	Notes D. Sappell Date 2-13-63	
Date	Indexed FEB 14 1963 C. J. GALLI	

J.N. 0600.00

ROSETON AVE

(DAIRY VALLEY AREA)

LOC. OF EXIST. S.M.H'S

AT. INT ROSETON AVE & 216 TH.

ST. & ON ROSETON AVE 130' ±

N. OF 216 TH. ST.

Sappell

Foulger

Caro

Nunez

Lieber

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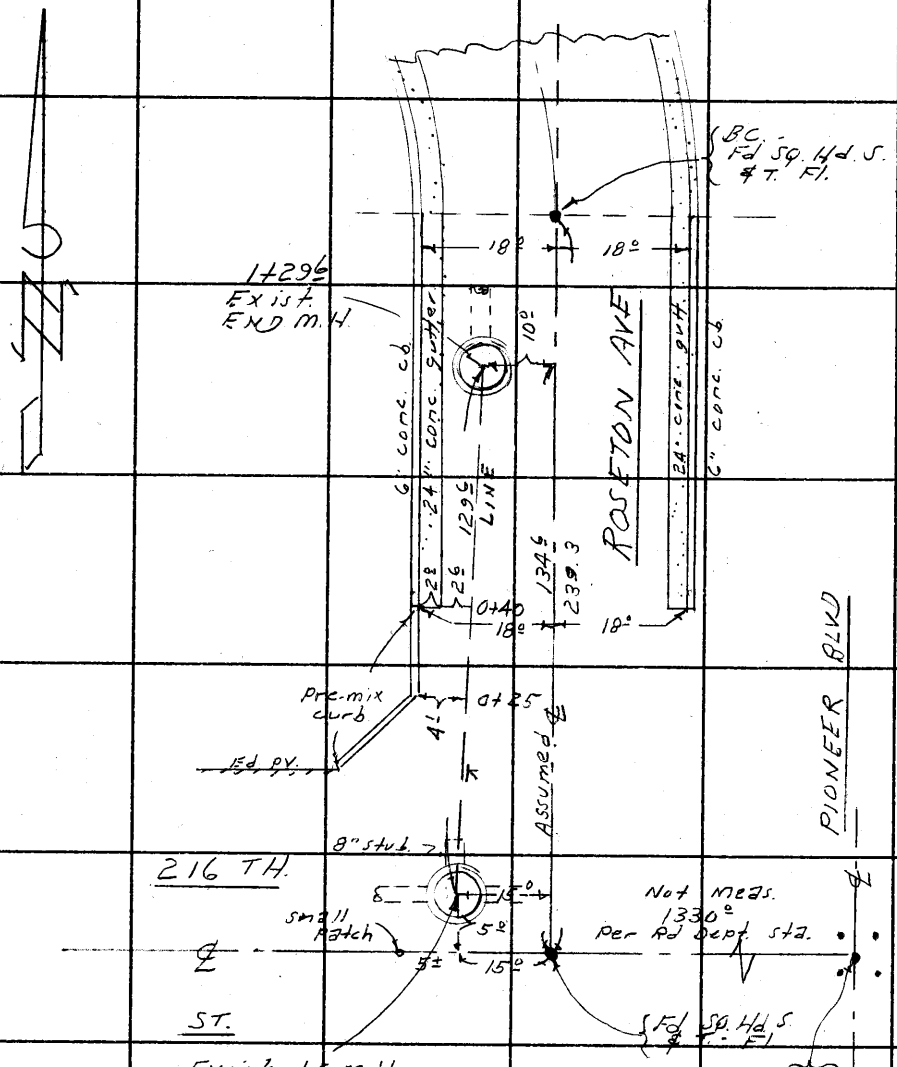
76F309S CE # 310 3-61

F. B. 2198 PG. 130



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Profile	Notes Red.	Plotted	Job No. 0600.00	Division No. 11	F. B. 2198 Pg. 131
No.	Date	Date	Survey of Roseton Ave		
X-Sec.	Notes Chkd.	Checked	Survey by D. Sappell	Notes D.S.	Date 2-13-63
No.	Date	Date	Map No.	Indexed ~~G. J. GALLI~~	Date FEB 14 '63

J.N. 0600.00

ROSETON AVE

(DAIRY VALLEY AREA)

PROFILE

BETWEEN EXIST S.M.H'S AT INT.

ROSETON AVE & 216 TH. ST &

130'± N. OF 216 TH ON ROSETON

AVE

STATION	B. S.	H. I.	F. S.	ELEV.
	Sappell Foulger Caro Lieber Nunez			

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

761298 S & E #307 9-54

76L298 S & E #307 9-54

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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STATION	B. S.	H. I.	F. S.	ELEV.	LT.	⊼ LINE	RT.
BM AL 33				33 90	BM AL 33 El. 33.897	F.B. 1781-9, 216 TH	
	4 26	38 16 ✓			ST. (N. Side) 1200'±	W of Pioneer Blvd	
					Bt. spk in ctr.	Drive to Ho #11615	
					30' from ℄ st		
					⊼ LINE BETWEEN EXIST S.M.H.S		
0+00					see pG 130 ctr. M.H.		
			5 35	32 81 ✓	N. Rim		
			5 33	32 83 ✓	E. "		
			5 31	32 85 ✓	W. "		
			13 39	24 77 ✓	inv. 8" inlet W	5.31 Rod 7.41 meas. 0.67 Diam 13.39	
			13 43	24 73 ✓	inv. 8" outlet E		5.33 7.43 0.67 13.43
			13 17	24 99 ✓	inv. 8" stub N.		5.35 7.15 0.67 13.17
0+25			5 06	33 10 ✓		⊼ LINE	
			5 15	33 01 ✓	4' LT. gutt		
			4 64	33 52 ✓	4' " Top pre-mix cb.		
0+40			4 63	33 53 ✓		⊼ LINE	
			4 67	33 49 ✓	2.6 LT. cor. conc. gutter		
			4 85	33 31 ✓	4.6 " gutter		

F. B. 2198 Pg. 132 Job No. 0600.00 Division No. 11 Notes Red. Plotted Profile
Survey of Roseton Ave Date Date No.
Survey by Sappell Notes D.S. Notes Chkd Etch Checked X-Sec.
Indexed C. J. GAHY Date Date 2-14-63 Date No.

76L298 S & E #307 9-54

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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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STATION	B. S.	H. I.	F. S.	ELEV.	LT.	⊼ LINE	RT
		3816					
0+40			419	33 97	4⁶ Top cb.		
1+00			445	33 71		⊼ LINE	
1+29⁶					See PG 130	" " Ctr. End M.H.	
			437	33 79	N. Rim		
			10 71	27 45	inv. 8" outlet N	4.37 Rod 5.67 0.67 10.71	
1+29⁶			460	33 56	6' LT. Fd gutter		
			472	33 44	8' LT. gutter (depressed cb)		
TP			476	33 40	TP.		
	501	38 41					
BM AL 34			428	34 13	BM AL 34 El. 34.117 F.B. 1781-10, 216 TH. ST. (N. Side) 1800'± W. of Pioneer Blvd. Bt spk in drive to Ho #11533		

Profile Notes Red. ____ Plotted ____ Job No. 0600.00 Division No. 11 F. B. 2198 Pg. 133
No. ____ Date ____ Date ____ Survey of Roseton Ave
X-Sec. Notes Chkd Fitch Checked ____ Survey by Sappell Notes D.S. Date 2-13-63
No. ____ Date 2-14-63 Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F. B. Pg.

Job No. Division No. Notes Red. Plotted Profile

Survey of Date Date No.

Survey by Notes Notes Chkd. Checked X-Sec.

Indexed Date Date Date No.

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

76L298 S & E #307 9-54

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LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY ENGINEERING BLDG.

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Profile No.	Notes Red	Plotted	Job No. 077840	Division No. 11	F.B. 2198	Pg. 135
	Date	Date	Survey of GRAND AVE			
X-Sec. No.	Notes Chkd.	Checked	Survey by Holmes	Notes Walsh	Date 2-28-63	
	Date	Date	Map No.	Indexed R. J. GALLI	Date [redacted]	

011040

GRAND AVE

RIM ELEVS & INVERT ELEVS.

HOLMES
WALSH
HENDERSON
MOORE
DEAN

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

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76-1-298 CE 307 3-61

76-L298 CE 307 3-61

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Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
BM S.G.				722 690	BM SG 1879 Elev 722.690 - Rd Dept Bench Mark - p 160 - Rd. Dept in well 4" dn on ℄ prod of Temple Ave & San Jose Hills Rd. ± 57' W. approx ℄ San Jose Hills Rd.	
0+50 going N. = 10+37.80 From E. pgs 2 & 3 profile sheets						
E Rim	J.C.			722 19	722.19 E Rim 12.55 meas 13.80 1.25 dia 708.39. 13.80.	
Flow line E.	(outlet)			708 39		
W. Rim				722 26	722.26 12.60 meas 13.27 0.67 dia 708.99. 13.27.	
Flow line				708 99		
N. Rim	J.C			722 20	722.20 N. Rim 12.45 meas 13.70 1.25 708.50. 13.70.	
F Line	(inlet)			708 50		
2+19.64 M.H. Pg 2 of Profile Sheets						
N. Rim				719 14	719.14 N. Rim 8.89 meas 10.14 1.25 dia 709.00. 10.14	10.12 8.88 1.25
F. Line No.	(inlet)			709 00		
S. Rim				719 10	719.10 N Rim 8.94 meas. 10.19 1.25 dia 708.91. 10.19	10.19 8.94 1.25
F Line So.	Outlet			708 91		

F.B. 2198 Pg. 136 Job No. 0779.40 Division No. 11 Notes Red ____ Plotted ____ Profile ____
Survey of Grand Ave Date ____ Date ____ No. ____
Survey by Holmes Notes Walsh Notes Chkd. ____ Checked ____ X-Sec. ____
Indexed R. J. Gaill Date ____ Date ____ Date ____ No. ____

76-1-298 CE 307 3-61

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STATION	B. S.	H. I.	F. S.	ELEV.			
BM S.G. 1880				718 77	BM S.G. 1880 - 718.773 - Rd. Dept. B.M. pg. 160 L.& Sph cte. conc H.W. of S.D. - ± 200'N. ℄ intersec. San Jose Hills Rd & Temple Ave ± 22' W. approx ℄ San Jose Hills Rd		
	5+69.64	M/H		pg. 1	of PROFILE SHEETS		
N. Rim				719 05	719 05	MEAS 7.74	
Flow line	(inlet)			710 31	8.74 710 31.	dia 1.00 8 74.	8 77 7 74 1 01
S. Rim				719 07	719 07	meas 7.83	
Flow line	(outlet)			709 99	9.08 709 99.	dia 1.25 9.08.	

Profile Notes Red ____ Plotted ____ Job No. 077940 Division No. 11 F.B. 2198 PG. 137
No. ____ Date ____ Date ____ Survey of Grand Ave
X-Sec. Notes Chkd. ____ Checked ____ Survey by Holmes Notes Walsh Date 2-28-63
No. ____ Date ____ Date ____ Map No. ____ Indexed G. J. GALLI Date ____

76-L298 CE 307 3-61

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STATION	B.S.	H.I.	F.S.	ELEV.		
BM S.G. 1879				722 690	BM S.G. 1879 - Elev 722.690 - Rd. Dept. B.M.'s - pg 160 Rd. Dept. Mon. in well dn. 4' on ℄ Prod Temple Ave & San Jose Hills Rd - 57'± W. Approx ℄ San Jose Hills Rd	
7+47.80	MH	pg.	3	of Profile Sheets		
W. Rim				716 01	716.01	meas 7.91
Flow Line (inlet)				706 85	9.16 / 706 85.	dia 1.25 / 9.16.
E Rim				716 03	716 03	meas 7.95
Flow Line (outlet)				706 83	9.20 / 706 83.	dia 1.25 / 9.20.
T.P.				716 25		
3+98.92	MH.	pg 4		of Profile Sheets		
W Rim				713 75	713.75	6.65 meas
Flow Line				705 85	7.90 / 705 85.	1.25 dia / 7.90.
E. Rim				713 77	713.77	6.66 meas
Flow Line				705 86	7.91 / 705.86.	1.25 dia / 7.91
BM S.G 1879				722 69	See above	

F.B. 2198 Pg. 138 Job No. 0771.40 Division No. 11 Notes Red ____ Plotted ____ Profile
Survey of Grand Ave Date ____ Date ____ No. ____
Survey by Holmes Notes Walsh Notes Chkd. ____ Checked ____ X-Sec.
Indexed C. J. Gatti Date ____ Date ____ No. ____

Notes Ck'd by	Survey of HEATHDALE AVE
Map No.	JN 2233.44 Tape 0178 Std 68 °F
Office Work	Surveyed by J. H. Brown
Checked	Notes J. H. Br. Date 6-10-63
Date	Indexed JUL 2 '63 R. J. GALL

F. B. 2198 PG. 145

C.I. 2233.44

HEATHEDALE AVE.

LOCATION OF MANHOLES (2)

@ COVINA BLVD & EASTBURY AVE.

June 10. 1963

PARTY.

J. H. Brown

T. C. Peterson

EN. Dupuis

S. T. Yamamoto

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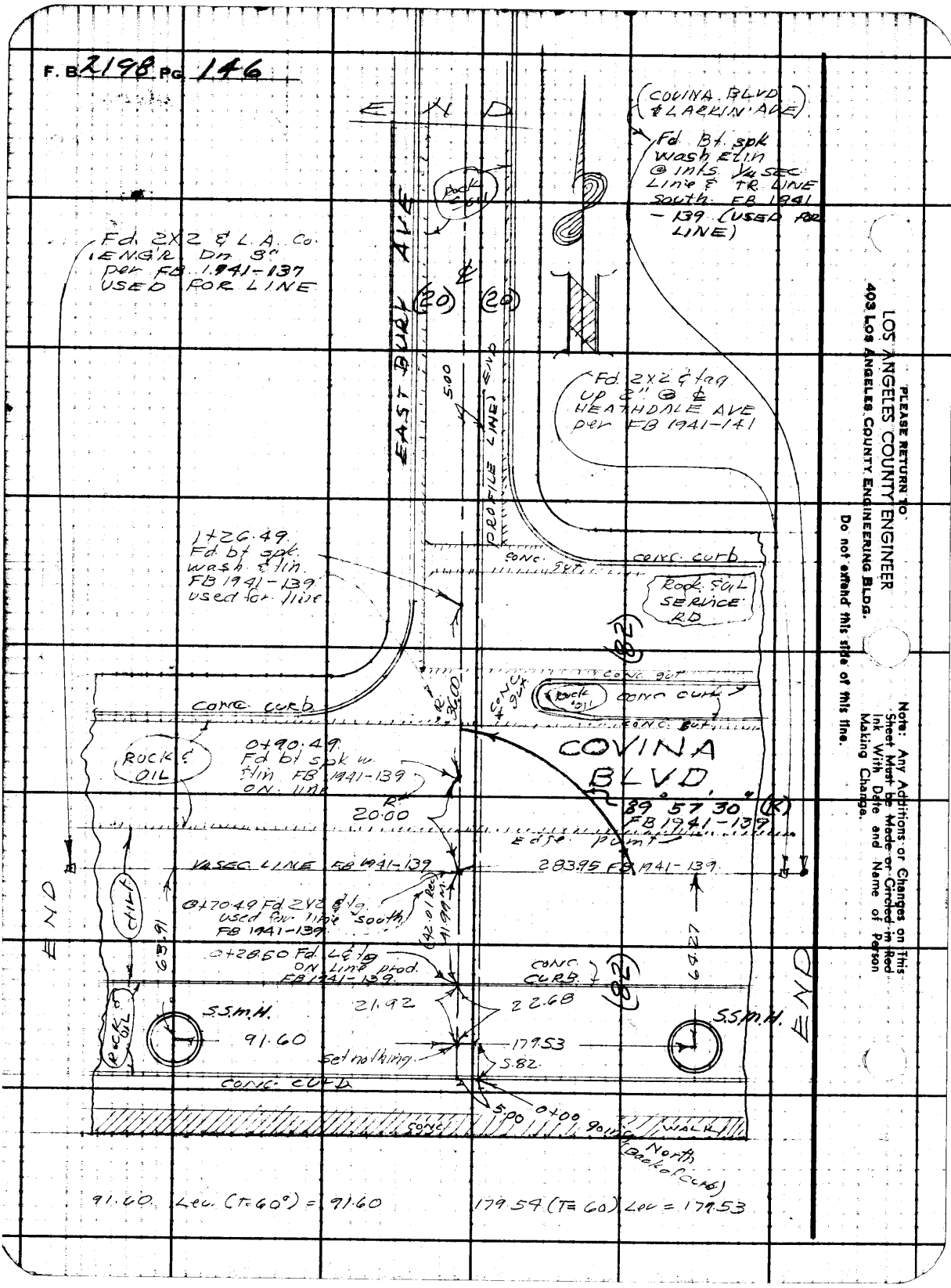
76F309S CE #310 6-62

F. B. 2198 PG. 146



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Profile No.	Notes Red Date	Plotted Date	Job No. 223334	Division No. 11	F.B. 2198 Pg. 147
			Survey of HEATHDALE AVE		
X-Sec. No.	Notes Chkd. Date	Checked Date	Survey by U.H.B.	Notes T.C.P. Date 6-10-63	
			Map No.	Indexed R. J. GALLI Date	

C.I 223334
PROFILE across
COVINA BLVD on line 5' E
of ℄ EASTBURY AVE PROD. SLY.

JUNE 10, 1963

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

PARTY:
U H Brown
T.C. Peterson
E.N. DuBois
S.T. Yamamoto

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700 LOS ANGELES COUNTY ENGINEERING BLDG

76L-298 CE 307 11-58

76L-298 CE 307 11-58

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7.12 7.08

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STATION	B.S.	H.I.	F.S.	ELEV.		
BM. AZ 451				526 17	BM AZ 451 ELEV. - HEATHDALE AVE & POMONA 60' E of E. C.R.	526.168 FB 1941-117 BLVD NE COR. Bt Spk
0+00				522 05	Top curb	℄ profile LINE
				521 39	Bot curb.	
0+02				521 53	gut out	
0+05.8	RIM			524 23	INLET E. rod	OUTLET W rod
	8" INLET E.			516 09	7.48 Meas	7.58 Meas
	8" OUTLET W.			515 99	.66 dia	.66 dia
					8 1.4' INVERT rod	8.24' INVERT rod
0+06.2	RIM			520 34	Rim SS M.H. 91.60 Left.	
	8" INLET		N.	512 94	N INLET rod	E inlet rod
	8" INLET		E.	512 94	6.74 MEAS	6.74 MEAS
	8" OUTLET		S.	512 73	.66 DIA.	.66 DIA
					7.40 INVERT rod	7.40 INVERT rod
0+14°				521 81	middle point	
0+28°				521 96	bottom curb	
0+28.5				522 48	top curb	
0+36.5				522 7	break dirt	
0+41.5				521 5	bottom break dirt	
0+60.5				522 4	" " "	
0+63.0				522 8	top berm "	
0+66.0				522 5	bot ditch "	

LENKER ROD

PROFILE LINE

Rim SS M.H. 179.53 Rt.
rod
Meas
Dia.
INVERT

Outlet South rod
6.95 MEAS
.66 DIA
7.61 INVERT rod.

F.B. 2198 Pg. 148
Job No. 223334 Division No. 11 Notes Red Plotted Profile
Survey of HEATHDALE AVE Date Date No. X-Sec.
Survey by J.H.B. Notes T.C.P. Notes Chkd. Checked
Indexed R. J. GALLI Date JAN 1 2 63 Date Date No.

76L-298 CE 307 11-58

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STATION	B.S.	H.I.	F.S.	ELEV.		
0 + 70.4				5236	Top berm	
0+73°				52308	EDGE PVMT	
0+79°				52315	¼ W. pvmt	
0+86°				52309	middle pvmt	
0+92.5		LENKER ROD		52290	¼ W. pvmt	PROFILE LINE
0+97.5				52266	S. Edge cross gut	
1+01.5				52253	Flow line gut.	
1+14°				52260	N edge cross gut.	
1+ 26.5				52261	pvmt @ ℄ service rd.	
1+37°				52250	S. edge cross gut	
1+40°				52233	Flow line.	
1+43°				52254	N edge. cross gut	
BM AZ 449				523.22	BM. AZ 449. EL = 523.231 FB 1941-117 EASTBURY AVE & COVINA BLVD. N.E cor Bt. spk in ab. 5' E of E. C.R.	

Profile Notes Red ____ Plotted ____ Job No. 2233.34 Division No. 11 F.B. 2198 PG. 149
No. ____ Date ____ Date ____ Survey of HEATH DALE AVE
X-Sec. Notes Chkd ____ Checked ____ Survey by J.H.B. Notes T.C.P. Date 6-10-63
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

F. B. 2198 Pg. 150 Job No. 2233.34 Division No. 11 Notes Red _____ Plotted _____ Profile

Survey of HEATHDALE AVE. Date _____ Date _____ No. _____

Survey by J.H.B. Notes T.C.P. Notes Chkd. _____ Checked _____ X-Sec.

Indexed R. J. GALLI Date _____ Date _____ Date _____ No. _____

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

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76L-298 CE 307 11-58

San Pedro Area

Notes Ck'd by	Survey of ~~Third St & other R/W~~
Map No.	JN 2278.14 Tape Std °F
Office Work	Surveyed by D. Sappell
Checked	Notes DS Date 11-22-63
Date	Indexed J. GALLI NOV 26 63

F. B. 2198 PG. 151

C.I. 2278.14

THIRD ST. & OTHER R/W.

SAN PEDRO AREA

LOC OF IMP.

ON THIRD ST.

FROM

PATTON AVE TO HARBOR VIEW AVE.

Sappell
Foulger
Lieber
Yamamoto

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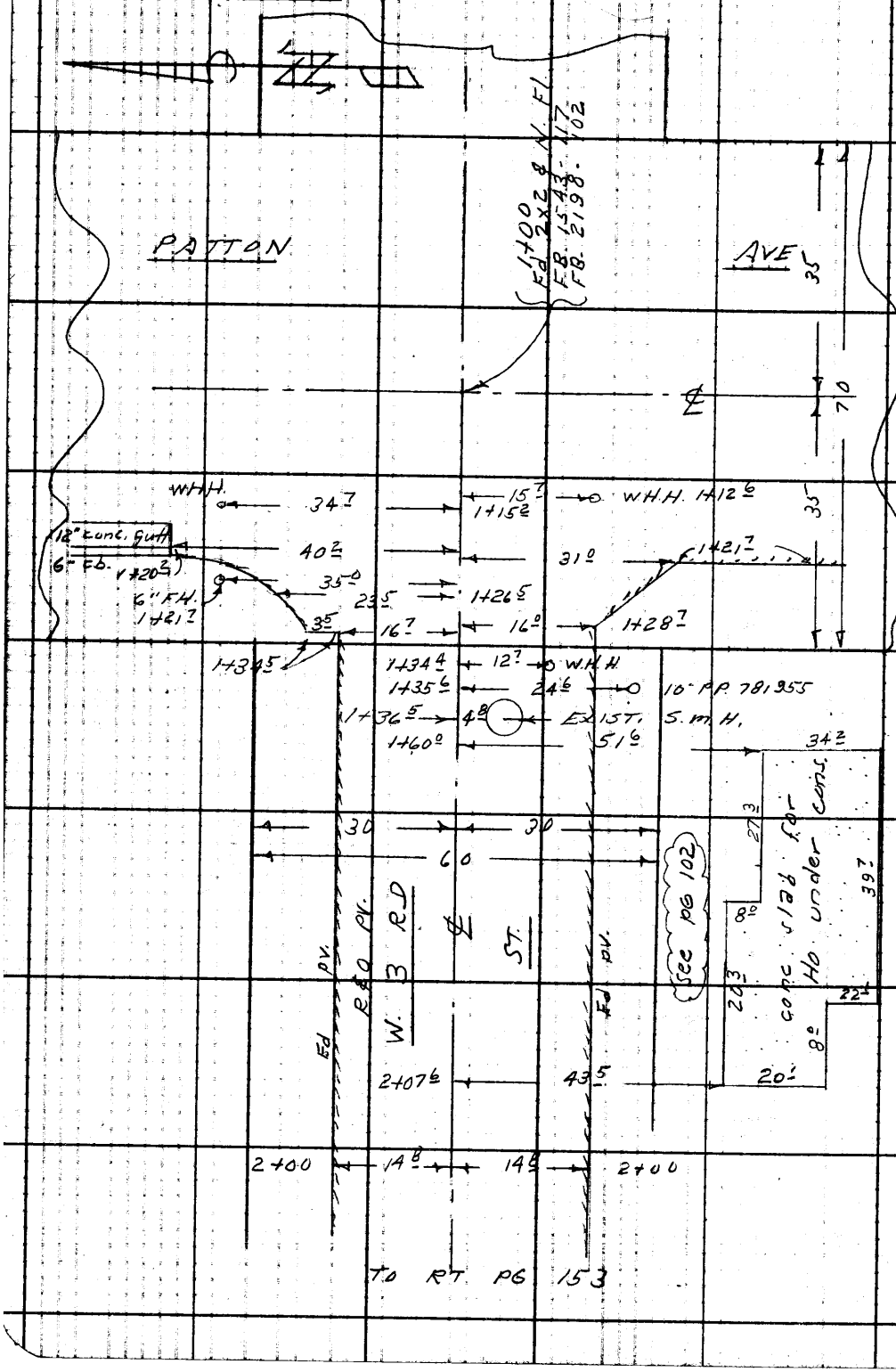
403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F3095 C.E. #310 6-62

F.B. 2198 FG. 152



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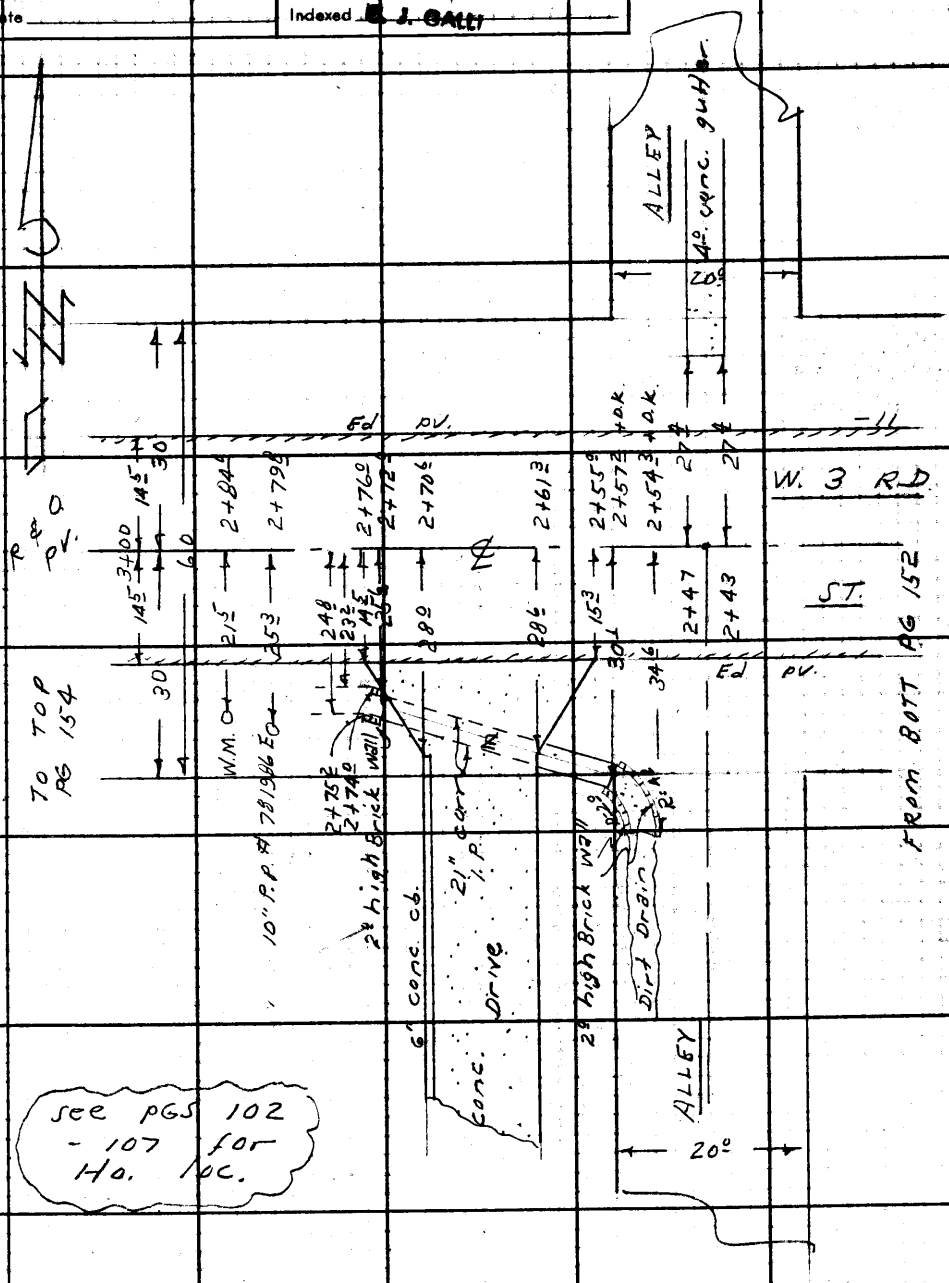
San Pedro Area

Notes Ck'd by	Survey of 3 RD ST. & other R/W
Map No.	JN 2278 14 Tape Std °F
Office Work	Surveyed by D. Sappell
Checked	Notes D.S. Date 11-22-63
Date	Indexed E. J. GALLI

F. B. 2198 PG. 153



see PGS 102 - 107 for Ho. loc.

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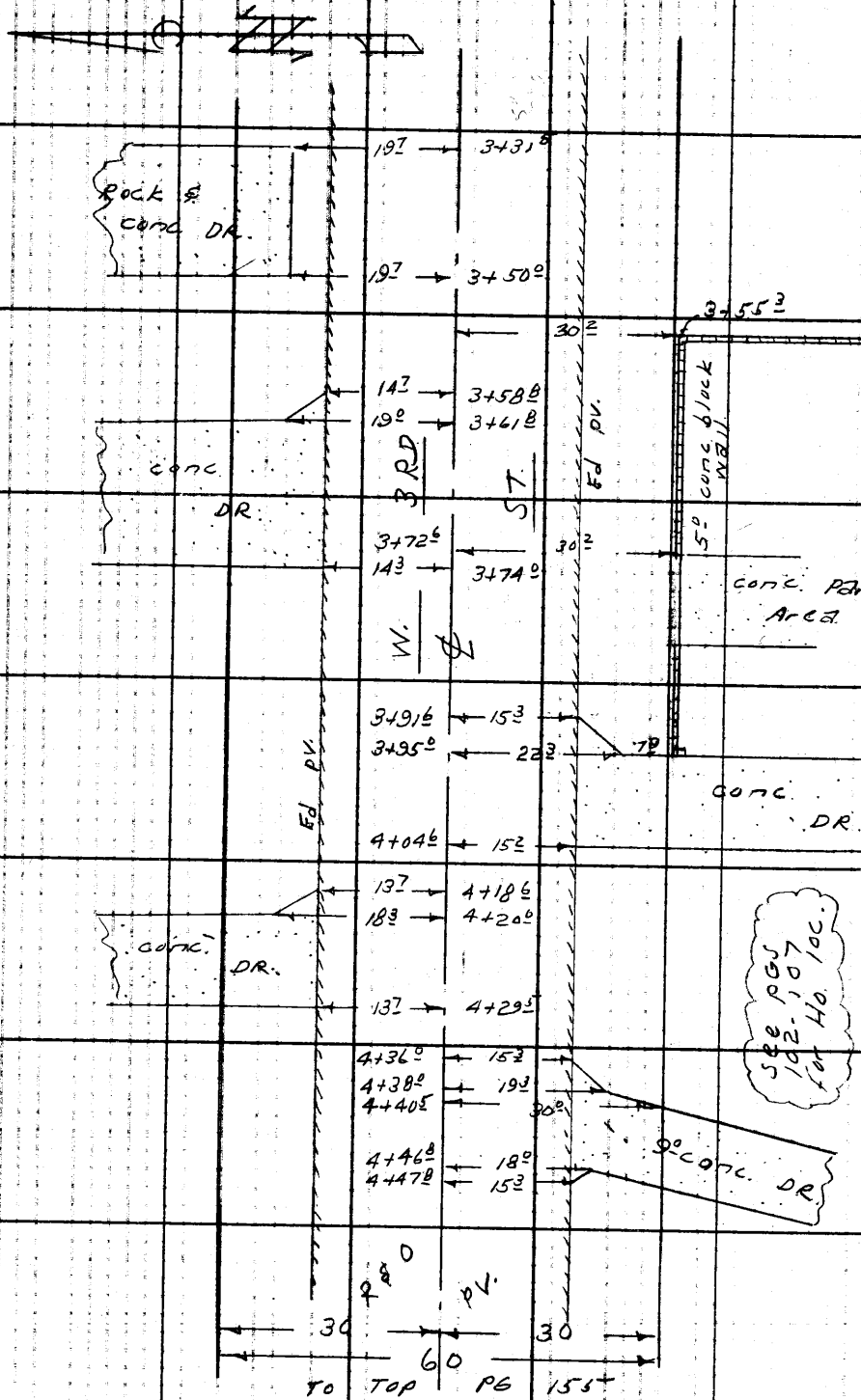
76F309S CE #310 6-62

F. B. 2198 PG. 154 FROM LFT PG 153



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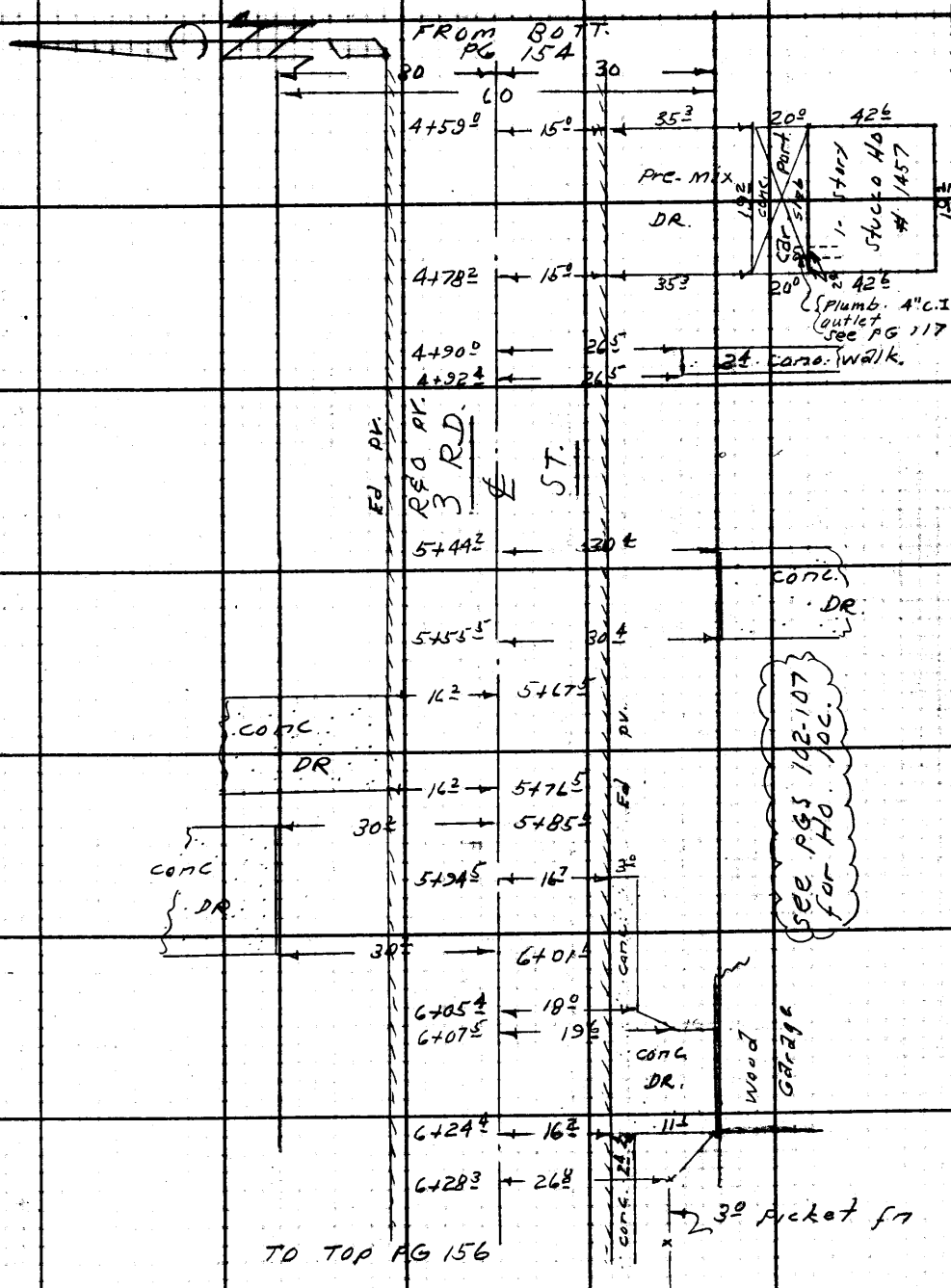
San Pedro Area

Notes Ck'd by	Survey of 3 RD. ST. & other Pts	F. B. 2198 Pg. 155
Map No.	JN 2278.14 Tape Std °F	
Office Work	Surveyed by D. Sappell	
Checked	Notes D.S. Date 11-22-63	
Date	Indexed R. J. GALLI	



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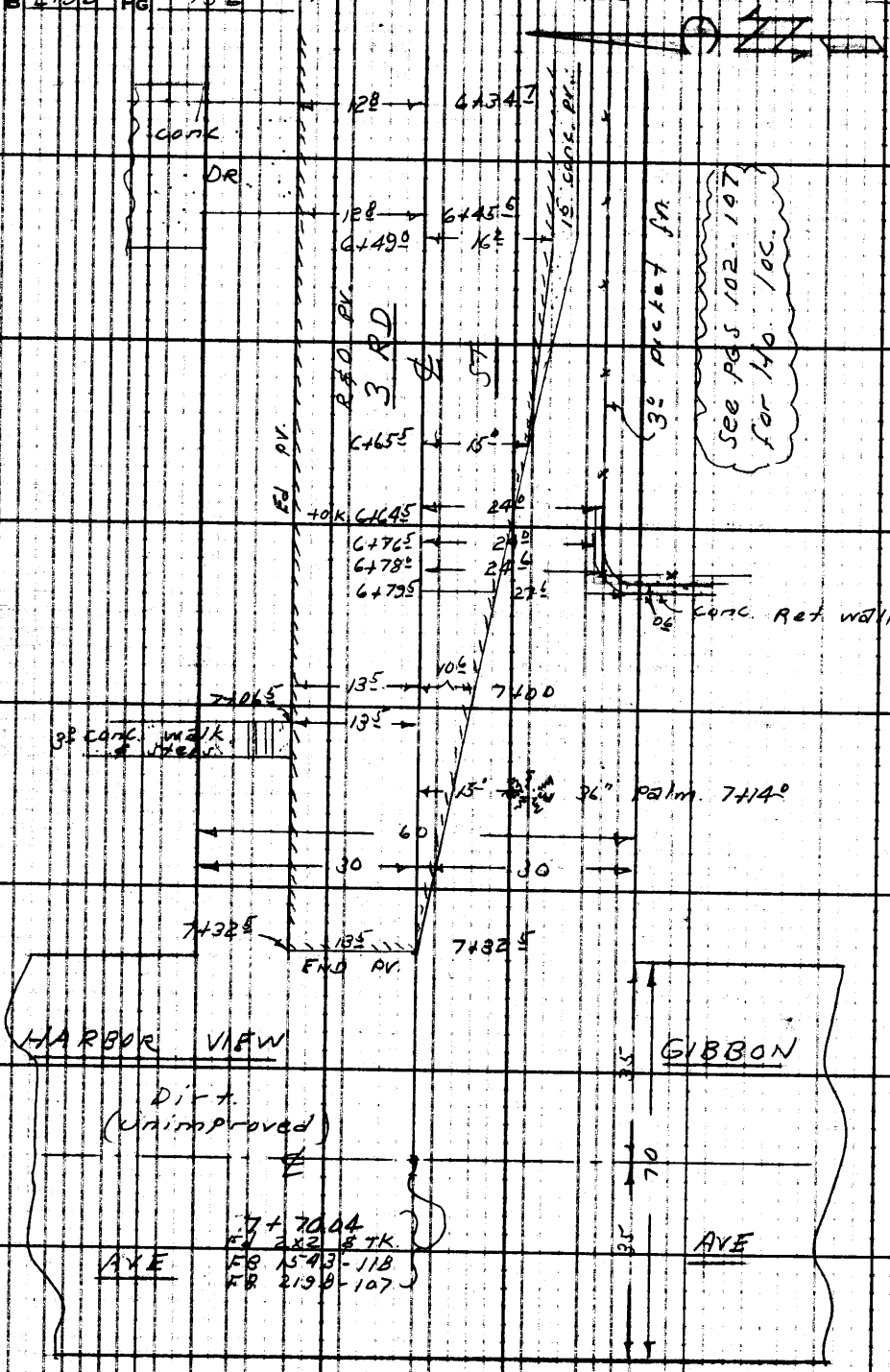
76F309S C.E. #310 6-62

F.B 2198 PG 156 FROM BOTT PG 155



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F. B. 2198 PG. 157

NOTES RED. _____ JOB NO. 0301.02 SURVEY OF 3 RD. ST. (San Pedro Area)

DATE _____ SURVEY BY D. Sappell

NOTES CHKD. W.D.W NOTES BY D.S. DATE 1-16-64

DATE _____ INDEXED R. J. GALLI DATE JAN 22 '64

DESCRIPTION	ADJ. ELEV.	3RD RUN	2ND RUN	DIFF.	1ST RUN	B.M.
J.N. 0301.02						
(C.I. 2278.14)						
THIRD ST. (SAN PEDRO AREA)						
ADDITIONAL WORK						
BENCH LEVELS.						
					Sappell	
					Foulger	
					Dupuis	
					Yamamoto	

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725 LOS ANGELES COUNTY ENGINEERING BLDG.

765420 353 3-51

76S420 353 3-51

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
(Fd) BM 35-8	324.695				324.695	BM 35-8 El. 324.695 F.B. 1356-14, 1953 Adj El. In San Pedro at the approx ℄ int. of Western Ave & W. 1st St. A city of L.A. Traverse sta (mkd S.P.H. 0-7B) A brass disk set in conc. 10" below the surf. & prot by a C.I. Cover mkd "City of L.A. Monument Engineering"
+	4989		4.736			
⊼	329684	+2.348	+2.347			
−	2641		2389			
(Fd) TBM #3	327043				327.042	TBM #3 El. 327.004 F.B. 1356-14, 1953 Adj El. In San Pedro at Western Ave & 1st St, in the N.E cor.-A lg. nail stamped "46" & set in lead 5.8 FT. E. of E. end of the curb return & mkd "BM"
+	5.786		5591			
⊼	332829	+1.171	+1.173			
−	4.615		4418			
TP.	328.214					TP.
+	2423		2311	2260		
⊼	330637	-3.768	-3.763	-3.765		
−	6191		6074	6025		
TP.	324446					TP.
+	2138		2032	1938		
⊼	326584	-3.993	-3.986	-3.988		
−	6131		6018	5926		
TP.	320.453					TP.
+	2580		2399			
⊼	323033	-3.175	-3.178			
−	5755		5577			
TP	317.278					TP
+	2576		2418			
⊼	319.854	-3.114	-3.114			
−	5.690		5532			
TP	314164					TP.

JOB NO. 0301.02 SURVEY OF San Pedro Area THIRD ST. NOTES RED.
SURVEY BY D. Sappell DATE
NOTES BY D.S. DATE 1-16-64 NOTES CHKD.
INDEXED E. J. GALLI DATE DATE

F.B. 2198 PG. 158

76S420 353 3-51

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
TP	314.164					TP.
+	1614		1593	1692		
π	315.778	-4.374	-4.367	-4.367		
-	5988		5960	6059		
TP	309.790					TP
+	2.203		2.059			
π	311.993	-3.685	-3.684			
-	5.888		5743			
TP	306.105					TP.
+	2198		2121			
π	308.303	-3.945	-3.948			
-	6143		6069			
TP	302.160					TP.
+	1.835		1698			
π	303.995	-4.338	-4.337			
-	6173		6035			
TP.	297.822					TP.
+	3958		3887			
π	301.780	-1.853	-1.851			
-	5.811		5738			
(SET) BM EX 36	295.969				295.972	BM EX 36 El. F.B. 2198-159
+	0.855		0.718			S. Patton Ave & W. 3 RD ST. N.E
π	296.824	-4.800	-4.802			cor., 7° N. of N. end C.R. - Bt.
-	5655		5520			spk in curb.
TP	291.169					TP.
+	0867		0768			
π	292.036	-5.152	-5.152			
-	6019		5920			
TP.	286.017					TP.

NOTES RED. _____ JOB NO. 030102 SURVEY OF Third St. (San Pedro Ave)
DATE _____ SURVEY BY D. Sappell
NOTES CHKD. W.D.W. NOTES BY D.S. DATE 1-16-64
DATE _____ INDEXED C. J. GALLI DATE _____

F.B. 2198 PG. 159

768420 353 3-51

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
TP	286.017					TP.
+	1130		0.990			
↑	287.147	-4.944	-4.943			
−	6074		5933			
TP	281.073					TP.
+	1.211		1050			
↑	282.284	-0.867	-0.867			
−	2078		1.917			
(SET)						
BM EX 37	280.206				280.210	BM EX 37 El. F.B. 2198-160 W. Third ST. - 263'± W. of Patton Ave & 28' N. of W. Third ST. - Bt. Spk in conc. Dr. to Ho # 1433
+	6250		6191			
↑	286.456	+5.396	+5.396			
−	0854		0795			
TP.	285.602					TP
+	6085		5921			
↑	291.687	+5.406	+5.404			
−	0.679		0517			
TP.	291.008					TP.
+	5685		5579			
↑	296.693	+4.080	+4.080			
−	1605		1499			
TP	295.088					TP.
+	6215		5985			
↑	301.303	+4.000	+4.000			
−	2215		1985			
TP	299.088					TP.
+	4457		4388			
↑	303.545	+4.225	+4.226			
−	0.232		0162			
(SET)						
BM EX 38	303.313				303.318	BM EX 38 El. F.B. 2198-160 W. Third St. & S. Harbor View Ave-N.E. Cor. - Bt. Spk. in walk to Ho # 1496-05 N. of gate

JOB NO. 0301.02 SURVEY OF Third St.
SURVEY BY D. Jappell
NOTES BY D.S. DATE 1-16-64
INDEXED C. J. GALL DATE
NOTES RED. DATE
NOTES CHKD. DATE

San Pedro Area

F.B. 2198 PG. 160

76S420 353 3-51

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725 LOS ANGELES COUNTY ENGINEERING BLDG.

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
(SET) BM EX 38	303.313				303.318	BM EX 38 EX Description PG 160
+	4061		3888			
π	307.374	+1.511	+1.511			
-	2550		2377			
TP	304.824					TP.
+	6178		6067			
π	311.002	+4.466	4.469			
-	1712		1598			
TP	309.290					TP.
+	6073		5951			
π	315.363	+4.897	+4.896			
-	1176		1055			
TP.	314.187					TP.
+	6075		5977			
π	320.262	+5.440	+5.440			
-	0635		0537			
TP.	319.627					TP
+	4525		4285			
π	324.152	+1.801	+1.798			
-	2724		2487			
TP	321.428					TP.
+	5955		5815			
π	327.383	+3.533	+3.533			
-	2422		2282			
TP.	324.961					TP
+	5813		5732			
π	330.774	+3.256	+3.254			
-	2557		2478			
TP	328.217					TP.

NOTES RED. _____ JOB NO. 0301.02 SURVEY OF W. Third ST. (San Pedro Area)
DATE _____ SURVEY BY D Sappell
NOTES CHKD. W.D.W NOTES BY D.S. DATE 1-16-64
DATE _____ INDEXED C. J. GALLI DATE _____

F.B. 2198 PG. 161

76S420 353 3-51

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725 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
TP	328.217					TP.
+	4492		4263			
π	332.709	-1.180	-1.178			
-	5.672		5.441			
TBM #3	327.037				327.042	TBM #3 El. 327.004 F.B. 1356.14 see F.B. 2198-158 For Description.
+	2.092		1.779			
π	329.129	-2.348	-2.346	-2.347		
-	4.440		4.125			
Fd. BM 35-8	324.689				324.695	BM 35-8 El. 324.695 ✓ F.B. 1356.14, ✓1953 Adj El., in San Pedro At the approx. ℄ int. of Western Ave & W. 1ST. St. A city of L.A Trav. Sta. Mkd (S.P.H. 0-7-8) A brass disk set in conc. 10" below the surface and prot by a C.I. cover Mkd "City of L.A Monument Engineering"

F.B. 2198 PG. 162

JOB NO. 0301.02 SURVEY OF W. Third St. (San Pedro Area)
SURVEY BY D. Sappell
NOTES BY D.S DATE 1-16-64
INDEXED B. J. GALLI DATE
NOTES RED. DATE
NOTES CHKD. DATE

Notes Ck'd by W.D.W.	Survey of CITY OF IRWINDALE
Map No.	JN 3354.10 Tape Std °F
Office Work	Surveyed by L.L. BROWN
Checked	Notes L.L. BROWN Date 3-14-64
Date	Indexed E. J. GALLI

F. B. 2198 PG. 163

CITY OF IRWINDALE
IMPROVEMENT
CALLE DE PASEO
J.N.3354.10

LOCATION OF S.S.M.H. AT
INTERSECTION OF IRWINDALE AVE.
AND CALLE DE PASEO.
FOR INVERT ELEVATIONS, SEE
F.B. 2198-165-167

PARTY
BROWN, L.L.
SANDOVAL, M.
GOSHORN, E.
MC COY, J.

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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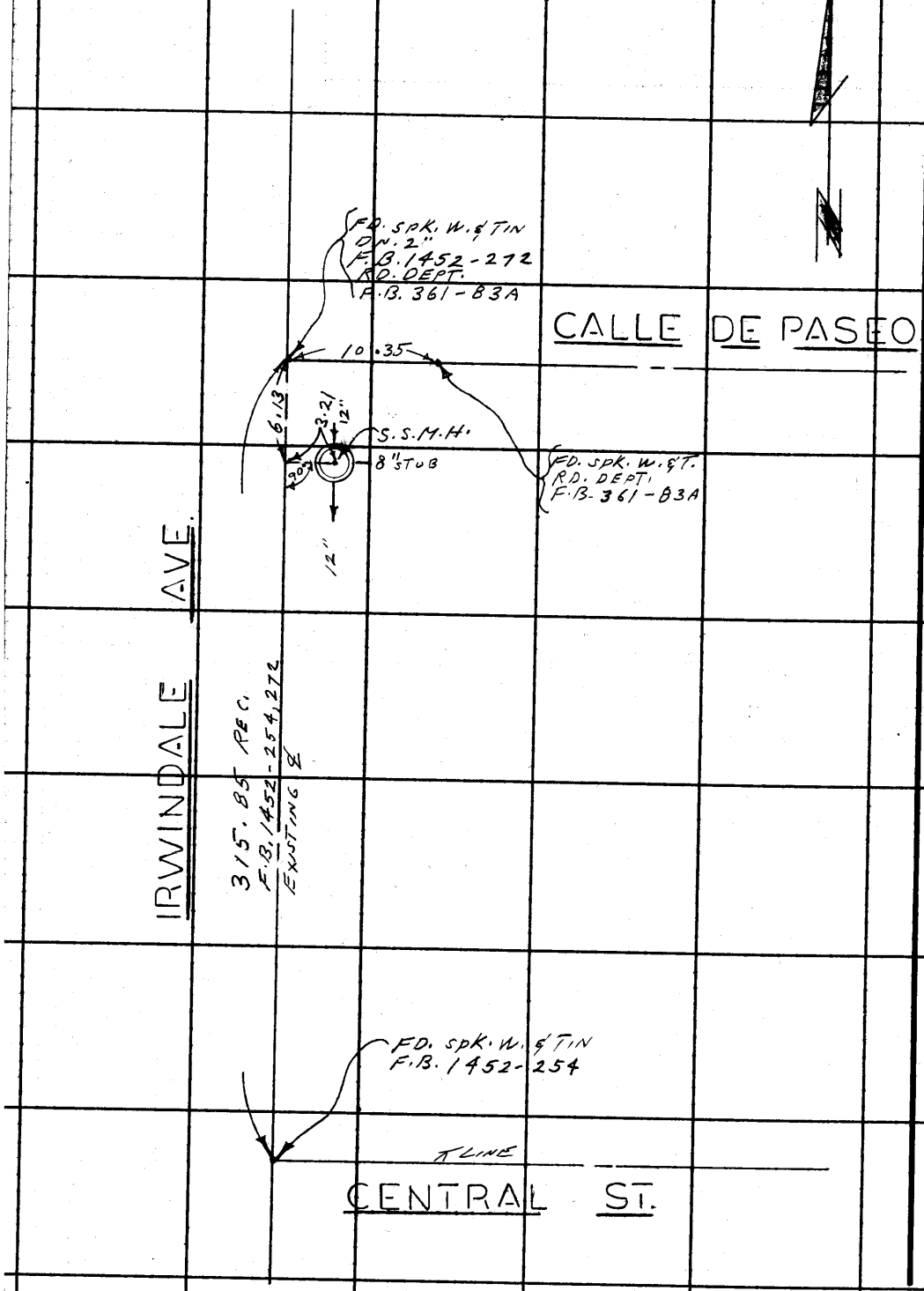
76F305 CE #310 6-62

F. B. 2198 PG 164



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F.B. 2198 Pg. 165

Profile No. ____ Notes Red ____ Plotted ____ Job No. 3354 10 Division No. ____
Date 3.10.64 Date ____ Survey of CITY OF IRWINDALE
X-Sec. No. ____ Notes Chkd. W.D.W Checked ____ Survey by L.L. BROWN Notes L.L.B. Date 3-4-64
Date 3.11.64 Date ____ Map No. ____ Indexed C. J. GALIN Date ____

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CITY OF IRWINDALE
IMPROVEMENT
CALLE DE PASEO
JN.3354.10

INVERT ELEVATIONS ON EXISTING S.S.M.H.
AT INTERSECTION OF IRWINDALE AVE., AND
CALLE DE PASEO.
FOR LOCATION SEE F.B. 2198-164

NOTE: USED LENKER ROD

STATION	B.S.	H.I.	F.S.	ELEV.
		PARTY		
		BROWN, L.L.		
		SANDOVAL, M.		
		GOSHORN, E.		
		MC COY, J.		

76-L-298 CE 307 2-63

76-L-298 CE 307 2-63

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STATION	B.S.	H.I.	F.S.	ELEV.		
(FD.)						(COVINA 1960)
B.M. SG 2361				456 78	B.M. SG 2361 ELEV. 456.776 L.A. CO. RD. DEPT. PRECISE B.M.s PG. No. 207. R.D. BM. TAG S. CURB, CALLE DE PASEO @ S.E. COR. IRWINDALE AVE. 98' ± E. & 22' ± S. ℄ INT.	
S.S.M.H. 6.13 SLY. & 3.21 EL. ℄ INT. CALLE DE PASEO & IRWINDALE AVE. SEE PG. 164	N. RIM. = 457.24 S. RIM. = 457.20 MEAN RIM = 457.22			457 22	MEAN RIM	MEAN RIM = 457.22 MEAS. -11.63 TOP PIPE = 445.59. DIA. = 1.00 INV. = 444 59.
				444 59	INV. INLET (N.) 12" V.C.P.	
						MEAN RIM = 457.22 MEAS. -11.66 TOP PIPE = 445.56. DIA. = 1.00 INV. = 444.56
				444 56	INV. OUTLET (S) 12" V.C.P.	
		SEE	NEXT	PAGE		

F.B. 2198 PG. 166

Job No. 3354 10 Division No. ____ Notes Red ____ Plotted ____ Profile

Survey of CITY OF IRWINDALE Date ____ Date ____ No. ____

Survey by L.L. BROWN Notes L.L.B. Notes Chkd. ____ Checked ____ X-Sec.

Indexed B. J. GALL Date ____ Date ____ No. ____

76-L-298 CE 307 2-63

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STATION	B. S.	H. I.	F. S.	ELEV.		
S.S.M.H. SEE PG. 164 FOR LOCATION				457 22	MEAN RIM	MEAN RIM = 457.22 MEAS. -11.80 TOP PIPE : 445.42 DIA. = 0.67 INV. = 444.75
				444 75	INV. 8" STUB (E.)	
(FD.)						(COVINA 1960)
B.M. SG 2360				457 21	B.M. SG 2361 ELEV. 457.208 L.A. CO. RD. DEPT. PRECISE B.M.S PG. NO. 206. L. & T. E. CURB 1'± N. B.C.R. @ N.E. COR. IRWINDALE AVE. & CALLE DE PASEO 50'± E. & 63'± N. ℄ INT.	

Profile Notes Red 3.10.64 Plotted Job No. 3354 10 Division No.
No. Date Date Survey of CITY OF IRWINDALE
X-Sec. Notes Chkd. W. D. W. Checked Survey by L. L. BROWN Notes L. L. B. Date 3-4-64
No. Date 3.11.64 Date Map No. Indexed R. J. GALLI Date

F.B. 2198 Pg. 167

F. B. 2198 Pg. 168

Job No. 3354 10 Division No. _____ Notes Red _____ Date _____ Plotted _____ Date _____ Profile No. _____

Survey of CITY OF IRWINDALE

Survey by L. L. BROWN Notes L. L. B. Notes Chkd. _____ Date _____ Checked _____ Date _____ X-Sec. No. _____

Indexed [redacted] J. GATH Date _____

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

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76-L-298 CE 307 2-63

Notes Ck'd by W J B	Survey of CITY OF IRWINDALE
Map No.	JN 3354.15 Tape Std °F
Office Work	Surveyed by L. L. BROWN
Checked	Notes L. L. B. Date 5-1-64
Date	Indexed J. GALI MAY 4, '64

F. B. 2190 PG. 169

CITY OF IRWINDALE

SOUTH ST.

J.N. 3354.15

LOCATION OF EXISTING S.S.M.H.

PARTY

BROWN, L.L.
HARRINGTON, P.
SANDOVAL, M.
MC COY, V.
GOSHORN, E.

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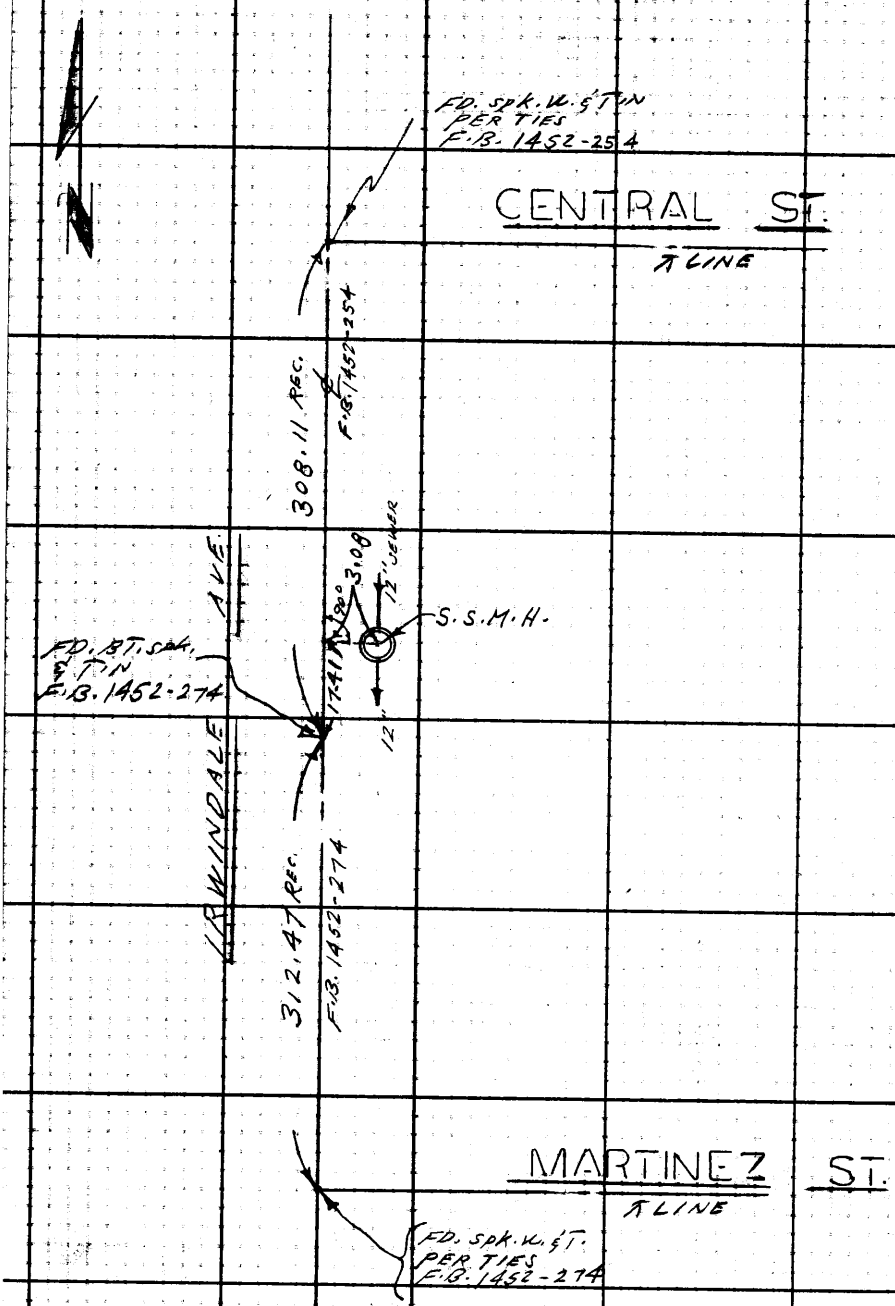
76F3095 CE #310 6-62

F. B. 2198 PG 170



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F.B. 2198 Pg. 171

Profile No.	Notes Red	Plotted	Job No. 3354-15	Division No. 11
	Date	Date	Survey of CITY OF IRWINDALE - SOUTH ST.	
X-Sec. No.	Notes Chkd. W J D	Checked	Survey by L.L. BROWN	Notes L.L.B. Date 5-1-64
	Date	Date	Map No.	Indexed [redacted] J. GALLI Date

CITY OF IRWINDALE
SOUTH ST.

J.N. 3354-15

INVERT ELEVS. ON EXISTING S.S.M.H.

NOTE:
USED LENKER RAD

ELEV.	PARTY BROWN, L.L. HARRINGTON, P. SANDOVAL, M.
F.S.	MCCOY, V. GOSHORN, E
H.I.	
B.S.	
STATION	

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STATION	B.S.	H.I.	F.S.	ELEV.		
(FD.) B.M. I #1				454.78	B.M. I #1 ELEV. = 454.783 F.B. 1452-288 CENTRAL ST. (N. SIDE) 155' E. ℄ IRWINDALE AVE. L.&T. IN CONC. WALK TO HO. # 16015	
S.S.M.H. SEE PG. 170 FOR LOCATION	N. RIM = 450.68 S. RIM = 450.67 MEAN RIM = 450.67			450.67	MEAN RIM S.S.M.H.	MEAN RIM = 450.67 MEAS. = -10.71 TOP PIPE = 439.96 DIA. " = 1.00 INV. = 438.96
				438.96	INV. INLET (N) 12"	
				450.67	MEAN RIM S.S.M.H.	MEAN RIM = 450.67 MEAS. = -10.74 TOP PIPE = 439.93 DIA. " = 1.00 INV. = 438.93
				438.93	INV. OUTLET (S) 12"	

LENKER ROD

NOTE:
CHECKED BACK INTO B.M. I #1. THIS B.M. WAS USED FOR CONST. OF SEWER ON CENTRAL ST. AND IS O.K. L.L.B.

F.B. 2198 PG. 172
Job No. 3354 15 Division No. 11 Notes Red Plotted Profile
Survey of CITY OF IRWINDALE - SOUTH ST. Date Date No. X-Sec.
Survey by L. BROWN Notes L.L.B. Notes Chkd. Checked
Indexed R. J. GALL Date Date Date No.

Profile No.	Notes Red Date	Plotted Date	Job No. 3381.14	Division No. 11	F.B. 2198 PG. 173
			Survey of So. EL Monte Imp. #2 Rush St		
X-Sec. No.	Notes Chkd. Date	Checked Date	Survey by DE, Holmes	Notes Walsh Jr	Date 10-23-64
			Map No.	Indexed C. J. GALLI	Date OCT 26 '64

JN 3381.14

City of So. El Monte Improvement #2

Rush St

Holmes
Walsh Jr.
Massey
Moya
Glidden

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

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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76L-298 CE 307 11-58

76L-298 CE 307 11-58

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Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
BM # 10				249 40	BM #10 - Elev 249.40 - FB 2587-227	
					Rd Dept LB 489-2 - Whitter 1955	
					L.A Co Surv. Mon in well - at or near ℄	
					Inter of Rush & Hoyt	
T.P.				250 15		
T.P.				251 60		
W Rim				251 93	7.85 Meas	7.74 Meas
Outlet W				243 41	.67 dia	.67 dia
E. Rim				251 95	8.52	8.41
Inlet E				243 54		
T.P.				253 20		
S.W. Cor				252 1	S.W. Cor Schifano Steel Co. Lot 10700 E. Rush St	
S.E. Cor				254 4	S.E. Cor " " " " " "	
T.P.				251 04		
T.P.				250 15		
BM #10				249 40	BM #10 see above	

LOC. OF M.H. - 594.7 E. of ℄ of HOYT (ON RUSH)
25.1 S. of ℄ of RUSH ST.

F.B. 2198 Pg. 174
Job No. 3381.4 Division No. 11 Notes Red Plotted Profile
Survey of Rush St Date Date No.
Survey by Holmes Notes Wa 6-64 Notes Chkd. Checked X-Sec.
Indexed C. J. GALLI Date Date Date No.

NOTES RED. JOB NO. C.I. 2278.14 SURVEY OF THIRD ST. (SAN PEDRO AREA

F. B. 2198 Pg. 175

DATE SURVEY BY J. H. Brown

NOTES CHKD. H. L. BARR NOTES BY J. H. B DATE 3-65

DATE MAR 24 '65 INDEXED C. J. GALLI DATE MAR 1 5 '65

DESCRIPTION

C. I 2278.14

BENCH LEVELS
ON SEWER R/W.

from S PATTON AVE & THIRD ST
S'ly & E'ly
TO FOURTH ST & ALLEY (West of WALKER)

3-65

BRUNSON Level # SS1911 (Dumpy)
PHILADELPHIA Rods # 315 & 305

J. H. Brown
T. C. Peterson
A. CARO
B. NUNEZ

ADJ. ELEV.	3RD RUN	2ND RUN	DIFF.	1ST RUN	B.M.

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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700 LOS ANGELES COUNTY ENGINEERING BLDG.

765420 S & E-353 9-55

76S420 S & E-353 9-55

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
BM EX 38	303.318					BM EX 38 ELEV = 303.318 FB 2198-160
+	1.205					3rd ST & HARBOR VIEW AVE NE ECK
⊼	304.523	-4.077				BT spk in walk to Ho. # 1496
−	5.282					16' S. of S edge of house
T.P. 1	299.241					spk N. side
+	2.108					
⊼	301.349	-3.800				
−	5.908					
T.P 2	295.441					
+	0.583					
⊼	296.024	-5.605				
−	6.188					
T.P 3	289.836					
+	1.917					
⊼	291.753	-4.224				
−	6.141					
T.P 4	285.612					
+	0.477					
⊼	286.089	-5.680				
−	6.157					
T.P 5	279.932					
+	2.774					
⊼	282.706	+0.647				
−	2.127					
T.P 6	280.579					
+	6.119					
⊼	286.698	+4.414				
−	1.705					
T.P. 7	284.993					

F.B. 2198 PG. 176

JOB NO. CI 2273.14 SURVEY OF THIRD ST SAN PEDRO ARFA

SURVEY BY J. H. Brown DATE 3-8-65

NOTES BY J. H. B. DATE

INDEXED C. J. GALLI DATE

NOTES CHKD G. E. BARR DATE JAN 24 '65

NOTES RED. DATE

76S420 S & E-353 9-55

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P 9	284.993					
+	5.945					
⊼	290.938	+4.446				
—	1.499					
T.P 8	289.439					
+	5.668					
⊼	295.107	+3.611				
—	2.057					
T.P 9	293.050					
+	6.117					
⊼	299.167	+2.943				
—	3.174					
BM EX 36	295.993					
	295.972					BM EX 36 ELEV = 295.972
+	1.660		1.891			FB 2198-159. S. PATTON AVE &
⊼	297.632	-4.216	-4.213	-4.215		3RD. ST NE COR. 7' N of N. CR.
—	5.876		6.104			BT SPK in ob.
T.P 10	291.756					SPK
+	3.036		2.626			
⊼	294.792	-2.766	-2.767	-2.765		
—	5.802		5.393			
NAIL T.P. 11	288.990					NAIL ON ⊼ LINE PATTON
+	2.208		2.397			
⊼	291.198	-3.695	-3.695	-3.694		
—	5.903		6.092			
T.P. 12	285.295					SPK
+	1.008		0.687			
⊼	286.303	-5.106	-5.106	-5.105		
—	6.114		5.793			
T.P. 13	280.189					SPK

NOTES RED. JOB NO. CE 2270.14 SURVEY OF THIRD ST (SAN PEDRO AREA)
DATE SURVEY BY W. H. Brown
NOTES CHKD. G. F. BARR NOTES BY W. H. B. DATE 3-8-65
DATE MAR 24 '65 INDEXED C. J. GALLI DATE

F.B. 2198 Pg. 177

768420 S & E-353 9-55

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P. 13	280.189					
+	1.968		2.219			
π	282.157	-2.750	2.750	-2.749		
—	4.718		4.969			
T.P. 14	277.439				277.444	Nail & tin @ alley & Easement (π LINE)
+	2.772		3.046			
π	280.211	-2.648	2.648	-2.647		
EX 39	5.420		5.694			
~~T.B.M.~~	274.791				274.797	B.M. EX 39
+	0.367		0.700			FOURTH AVE S. SIDE. bench mark in walk 3' W. of E side Ho. # 1349
π	275.158	-5.418	5.417	-5.417		
—	5.785		6.117			
T.P. 15	269.373					sm 6" spk & tin INTS π LINE & 4TH
+	0.197		0.307			
π	269.570	-4.838	4.841	-4.837		
—	5.035		5.148			
T.P. 16	264.535					sq spk. removed
+	3.406		3.620			
π	267.941	-0.748	0.748	-0.747		
—	4.154		4.368			
T.P. 17	263.787				263.796	punch mark N. rim M.H. Adj Rim Elev = 263.79 (1+0.04)
+	4.451		4.248			
π	268.238	+4.197	4.195	-4.198		
—	0.254		0.053			
T.P. 18	267.984					Nail on ℄ FOURTH
+	5.982		5.337			
π	273.966	+4.485	4.482	+4.485		
—	1.497		0.855			
T.P. 19	272.469					nail & tin at π LINE. 3' South of N/L 4TH ST.

NOTES RED. DATE NOTES CHKD. G. E. BARR DATE MAR 24 '65

SURVEY OF SAN PEDRO AREA

JOB NO. C.I. 2278.14 SURVEY BY J. H. BROWN DATE 3-65

NOTES BY J.H.B. DATE

INDEXED C. J. GALLI DATE

THIRD ST

F.B. 2198 PG. 178

765420 S & E-353 9-55

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Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P. 19	272.469					
+	5.486		5.764			
⊼	277.955	+4.070	4.067	+4072		
−	1.416		1.697			
T.P. 20	276.539					spk S. side 4th
+	6.115		5.728			
⊼	282.654	+4.303	4.304	+4.304		
−	1.812		1.424			
T.P. 21	280.842					punch mark west rim M.H.
+	6.207		5.849			
⊼	287.049	4.286	4.286	+4.288		
−	1.921		1.563			
FD B.M. #6	285.128				285.143	FD. BM #6 ELEV. 285.143 from work sheet in pouch C.I. 1524 FOURTH ST. N. SIDE. 305' (APPROX) W OF ℄ OF WALKER. BT SPK IN WALK AT FENCE TO HOUSE #1326

NOTES RED. JOB NO. 227814 SURVEY OF THIRD ST SAN PERO. AREA
DATE SURVEY BY J.H.B.
NOTES CHKD. G. E. BARR NOTES BY J.H.B. DATE 3-6-65
DATE MAR 24 '65 INDEXED C. J. GALLI DATE

F.B. 2199 Pg. 179

2198 F.B. 180 PG.

JOB NO. _____ SURVEY OF _____ NOTES RED. _____

SURVEY BY _____ DATE _____

NOTES BY _____ DATE _____ NOTES CHKD. _____

INDEXED _____ DATE _____ DATE _____

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION

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768420 S & E-353 9-55

Notes Ck'd by G. E. BARR	Survey of THIRD ST SAN PEDRO AREA	F. B. 2195 PG. 181
Map No.	JN 2278.14 Tape 0188 Std 68 °F	
Office Work	Surveyed by J. H. BROWN	
Checked	Notes J.H.B. Date 3-65	
Date	Indexed G. J. GALLI	

C.I. 2278.14
THIRD STREET (SAN PEDRO AREA)
TRANSIT LINE & LOCATE IMPROVEMENTS
FROM M.H. IN ALLEY WEST OF WALKER ST.
100' SOUTH OF FOURTH ST. TO 150' WEST
OF INTS. OF PATTON AVE & THIRD ST

MARCH 1965

BROWN
PETERSON
CARO
NUNEZ

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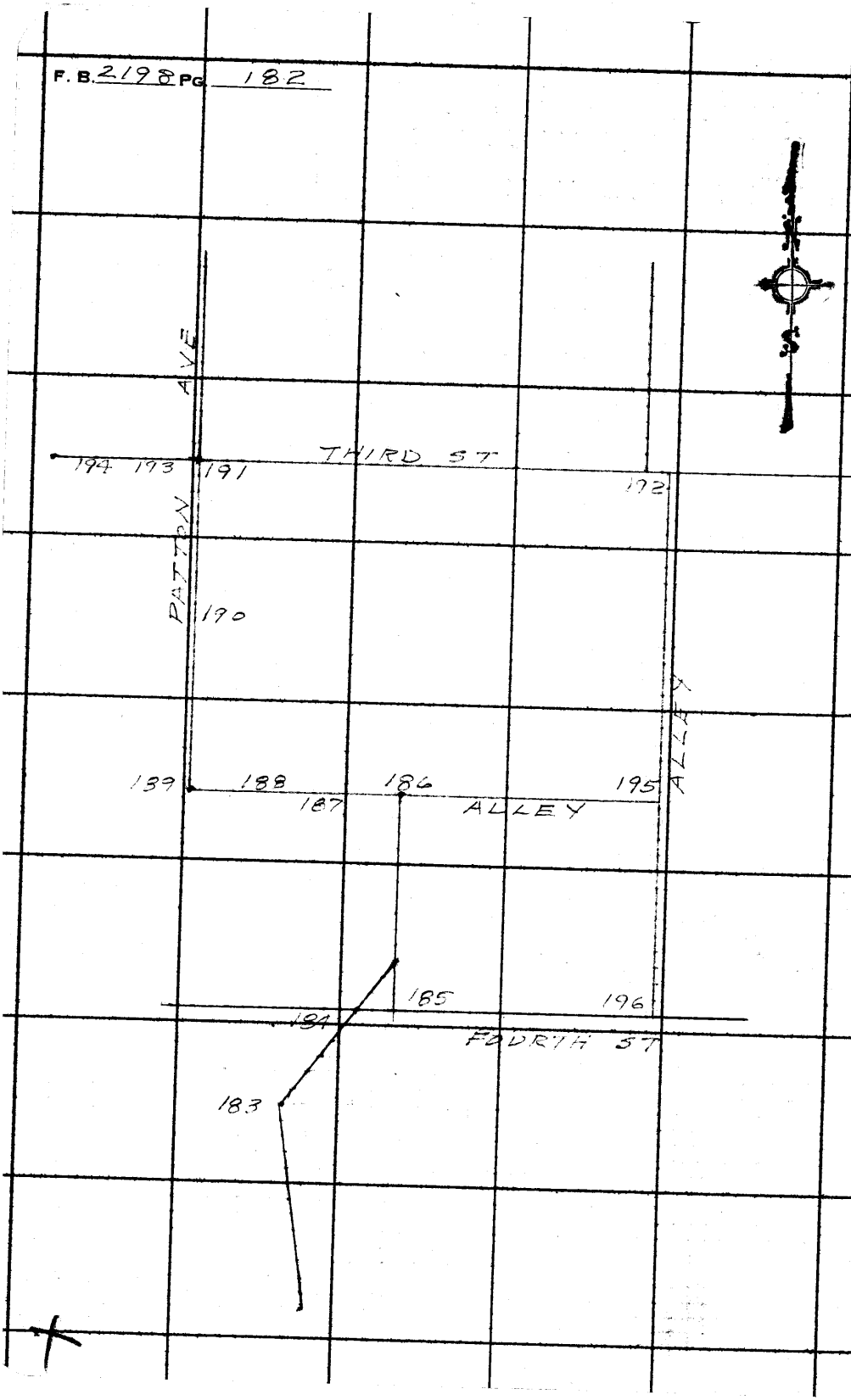
16F3095 CE #310 6-63

F. B. 2198 PG. 182



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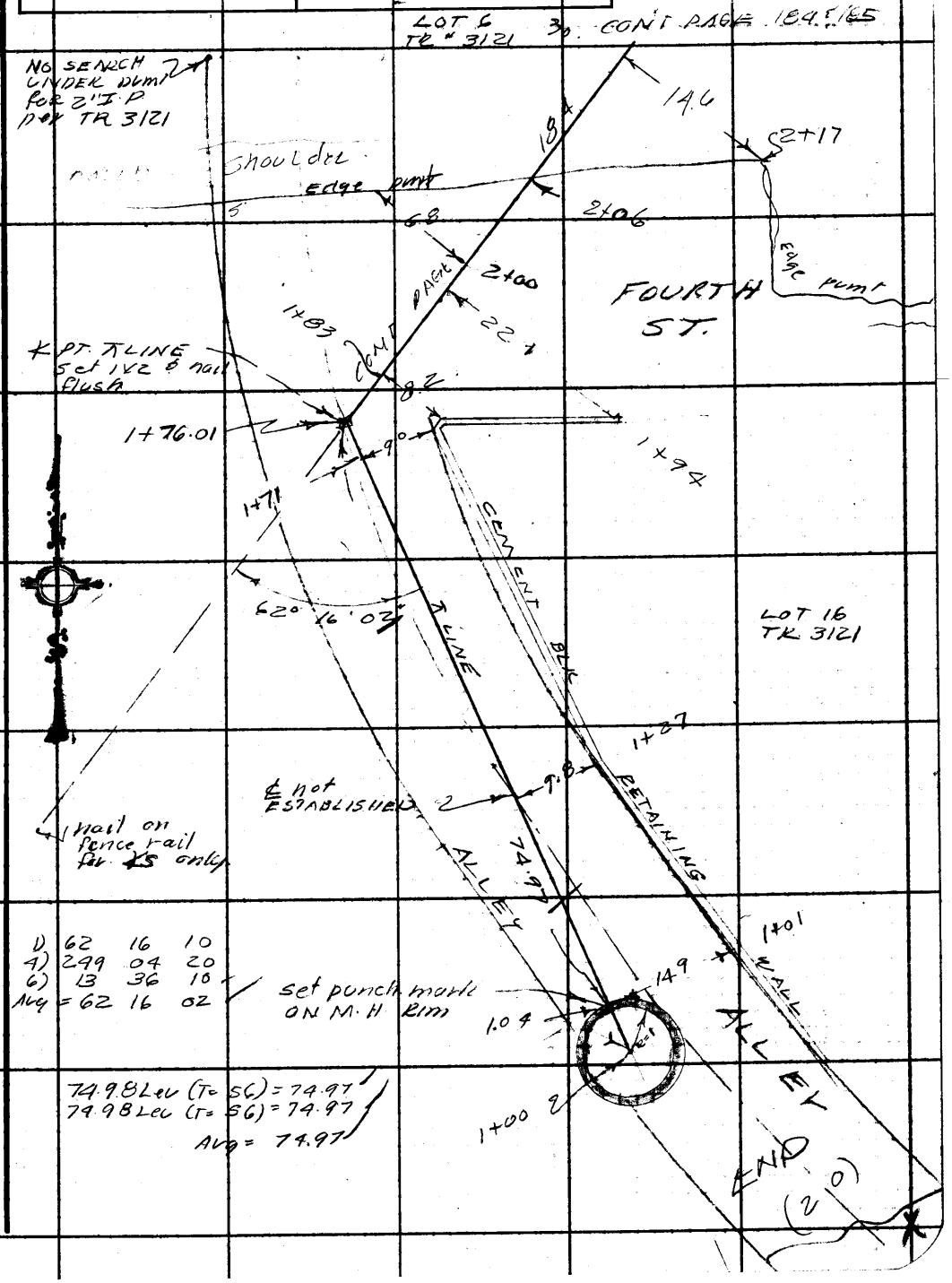
Notes Ck'd by G. E. BARR	Survey of THIRD ST. SAN PEDRO AREA
Map No.	JN 2278.14 Tape 0188 Std 68 °F
Office Work	Surveyed by J.H. BROWN
Checked	Notes J.H.B. Date 3-65
Date	Indexed C. J. GALLI

F. B. 2198 PG. 183



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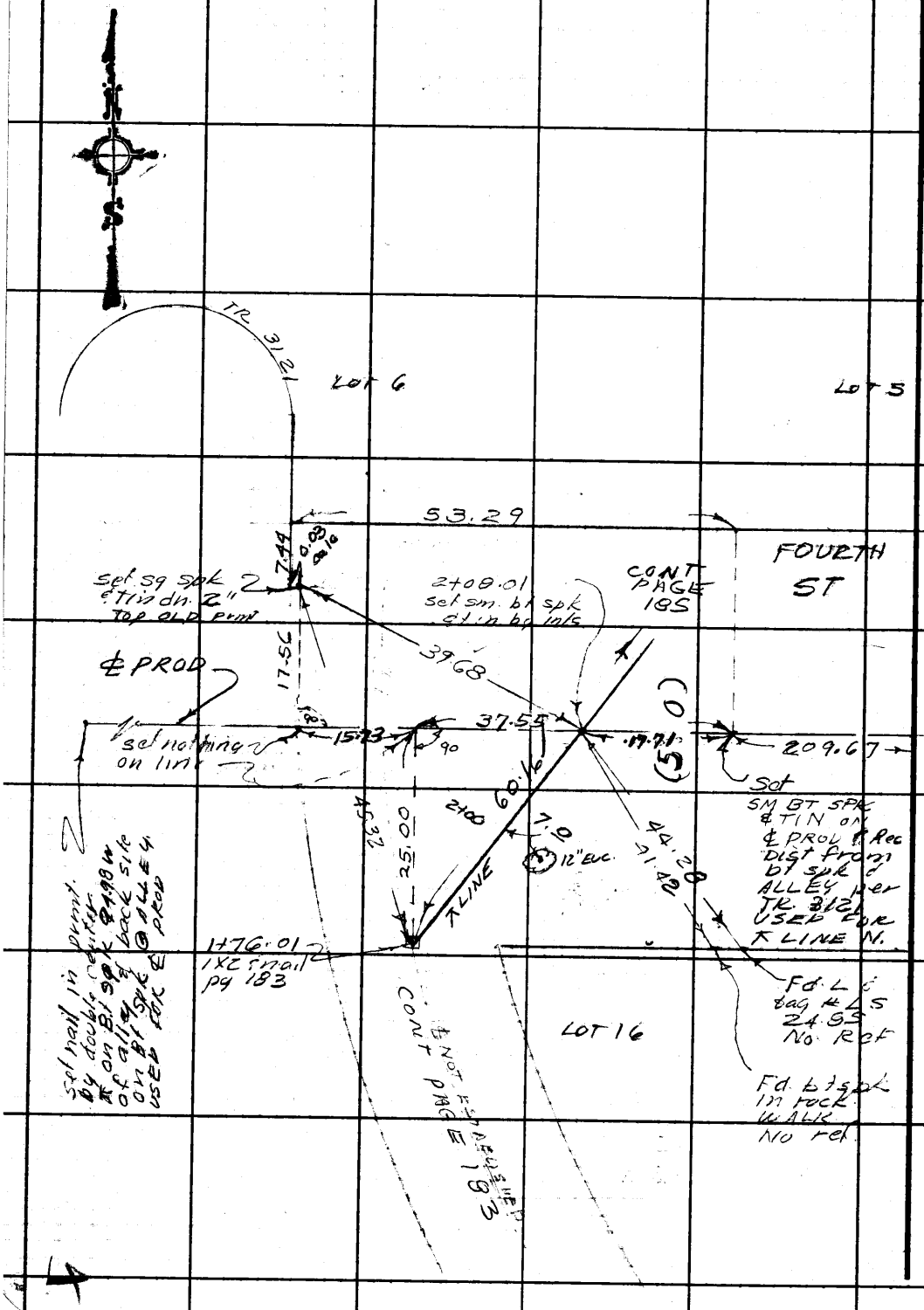
76F3095 CE #310 6-63

F. B. 2198 PG 184



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Notes Ck'd by G. E. BARR	Survey of THIRD ST. SAN PEDRO AREA	F. B. 2198 PG. 185
Map No.	JN 2278.14 Tape 0188 Std 68 °F	
Office Work	Surveyed by J. H. BROWN	
Checked	Notes J.H.B Date 3-65	
Date	Indexed C. J. GALLI	

CONT PAGE 186

1) 141 26 10
4) 205 45 00
6) 128 37 20
AVG. 141 26 13

LOT 6 TR

LOT 5 3121

1) 90 00 20
4) 360 01 20
6) 180 01 50
AVG 90 00 18

60.16 Lev (T=56) = 60.16
60.17 Lev (T=56) = 60.17
Avg = 60.16

157.16 Lev (T=60) = 157.15
157.15 Lev (T=60) = 157.14
Avg = 157.14
− 22.00
135.14

135.14

2+36.17
℄ pt. ⊼ LINE
Set nail & tin fl.

141° 26' 13"

Set spk & tin pg 184

53.38

20.22

FD BT. SPK. WASH & TIN PER F.B. 1543-121

SET NAIL ON LINE PROD REC. DIST. F.B. 1543-121

SPK PG 184

60.16

28.16

90° 00' 18"

22.00

FB 1543-121 & M.

33.47

26.41

FB 1543-114
123.52

17.56

9.28

19.36

15.85

8.80

209.67

SPK PG 184

SET NAIL ON LINE PROD. REC. DIST. F.B. 1543-121

Set nail Rec. dist (123.52 per FB 1543-121 from Bt spk) on line

30.84

FOURTH ST

(5)

PAGE 196

CONT

CONT PAGE 184

LOT 16 TR 3121

Fd L & tag # L.S. 2485 Pg 184

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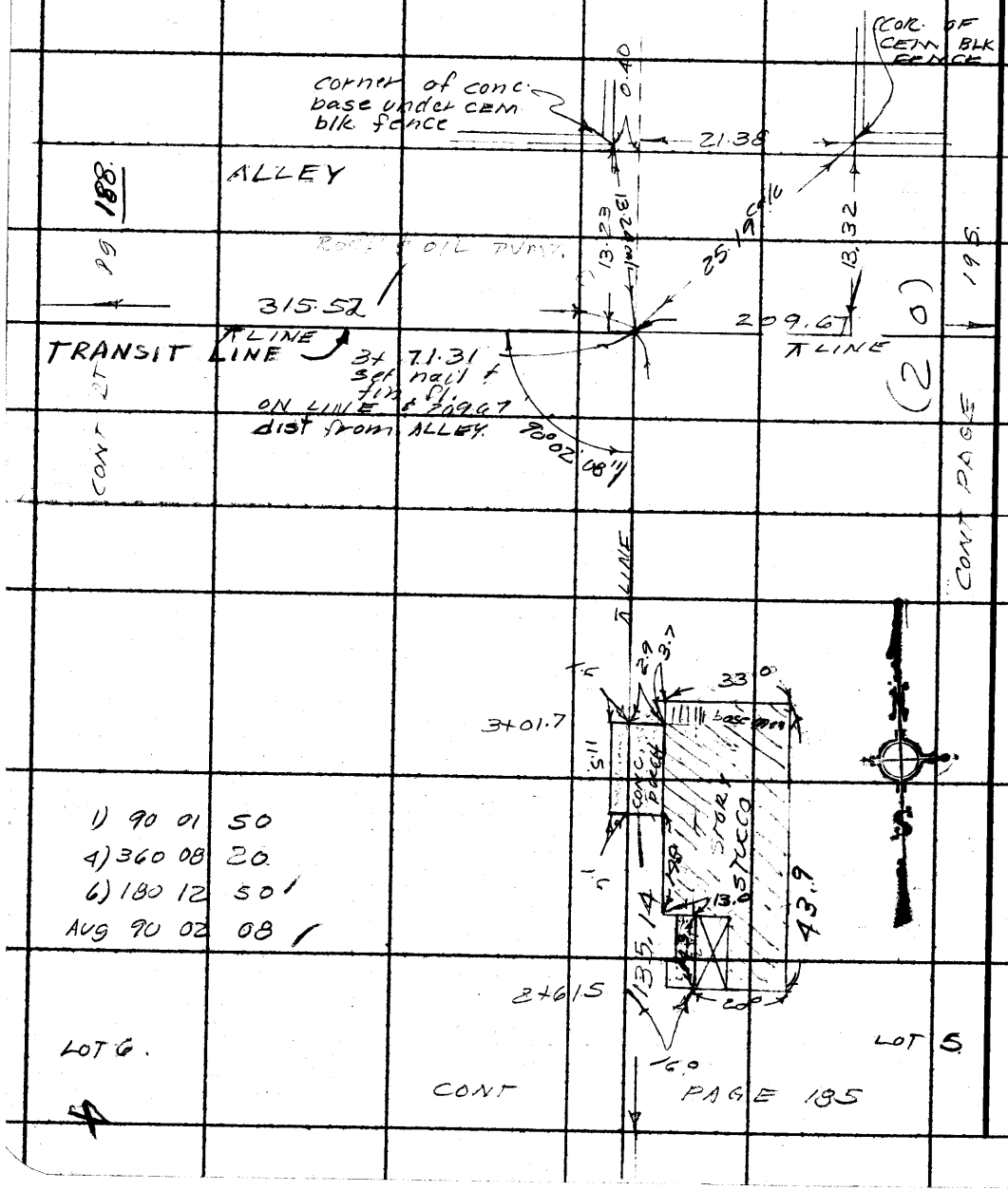
76F309S CE #310 6-63

F. B. 2198 PG 186

315.53 Lev (T=62) = 315.52
315.53 Lev (T=62) = 315.52 } 315.52

209.68 (T=58) LEV. = 209.67
209.68 (T=58) LEV = 209.67
AVG. = 209.67



1) 90 01 50
4) 360 08 20
6) 180 12 50
AVG 90 02 08

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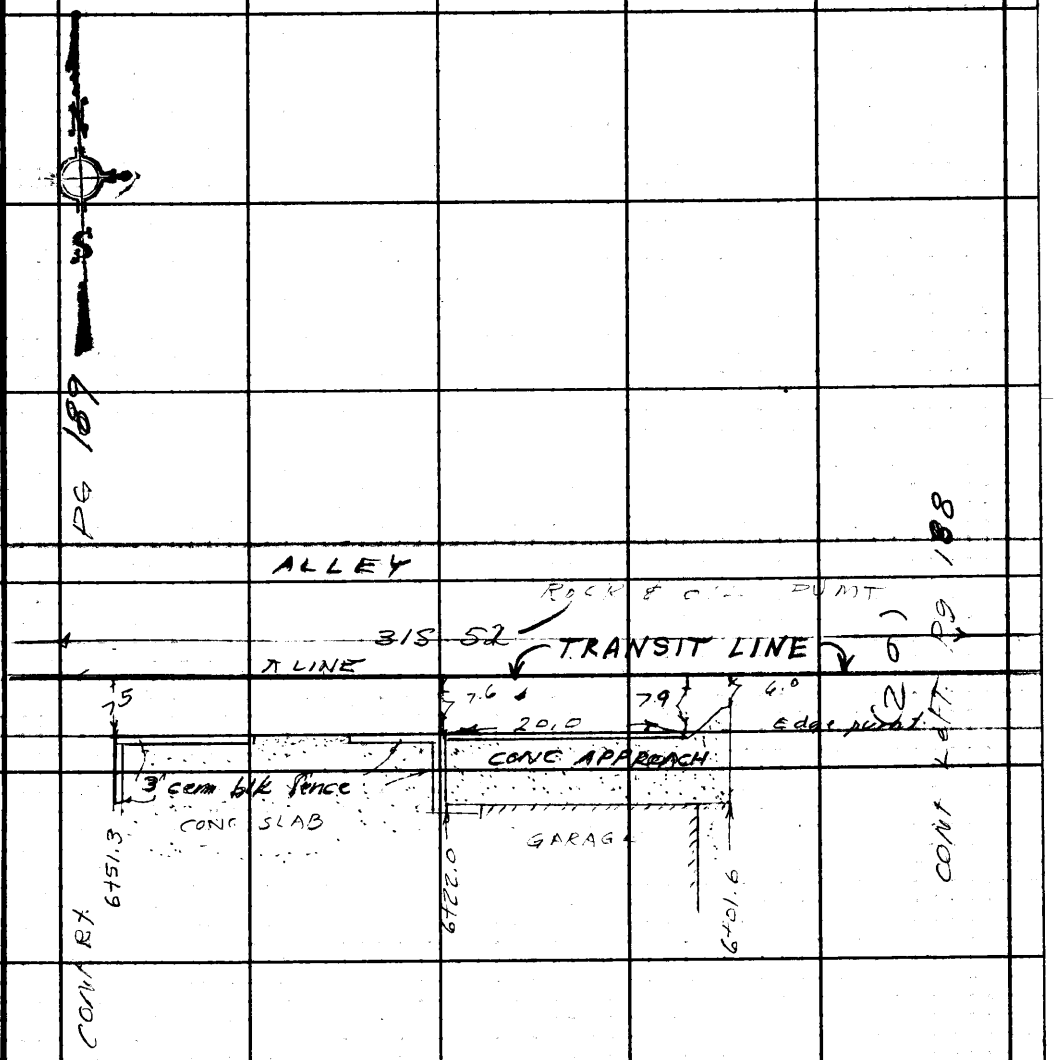
Map No.	JN 2278.14 Tape 0188 Std 68 °F	
Office Work	Surveyed by J. H. Brown	
Checked	Notes C.L. 1.1.13 Date 3-55	
Date	Indexed C. J. GALLI	



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16F308S CE #310 6-63

F. B. 2198 PG 199

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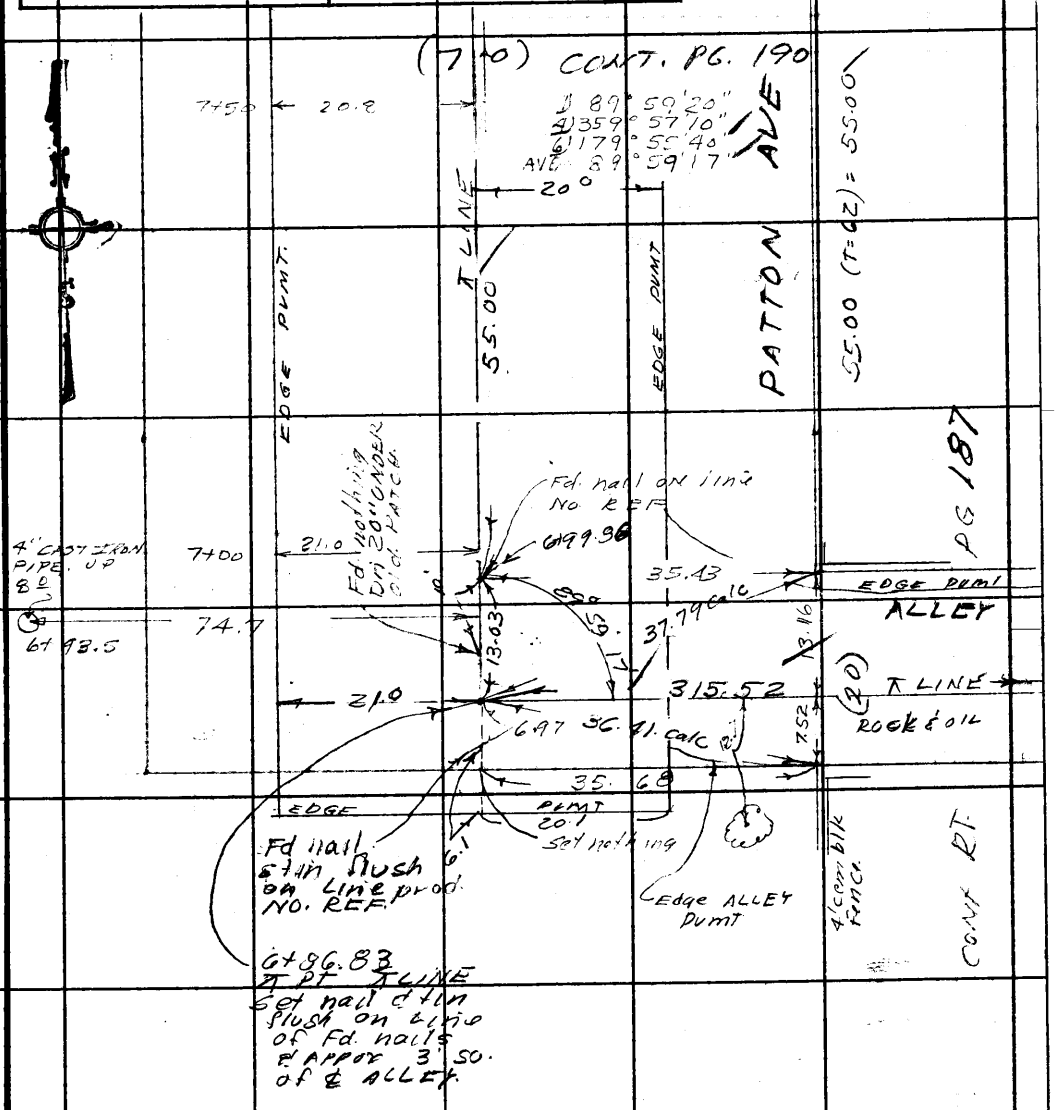
Notes Ck'd by G. E. BARR	Survey of THIRD ST. SAN PEDRO AREA	F. B. 2199 PG. 199
Map No.	JN 2278.14 Tape 0188 Std 68 °F	
Office Work	Surveyed by J. H. Brown	
Checked	Notes J. H. B. Date 3-65	
Date	Indexed C. J. GALLI	



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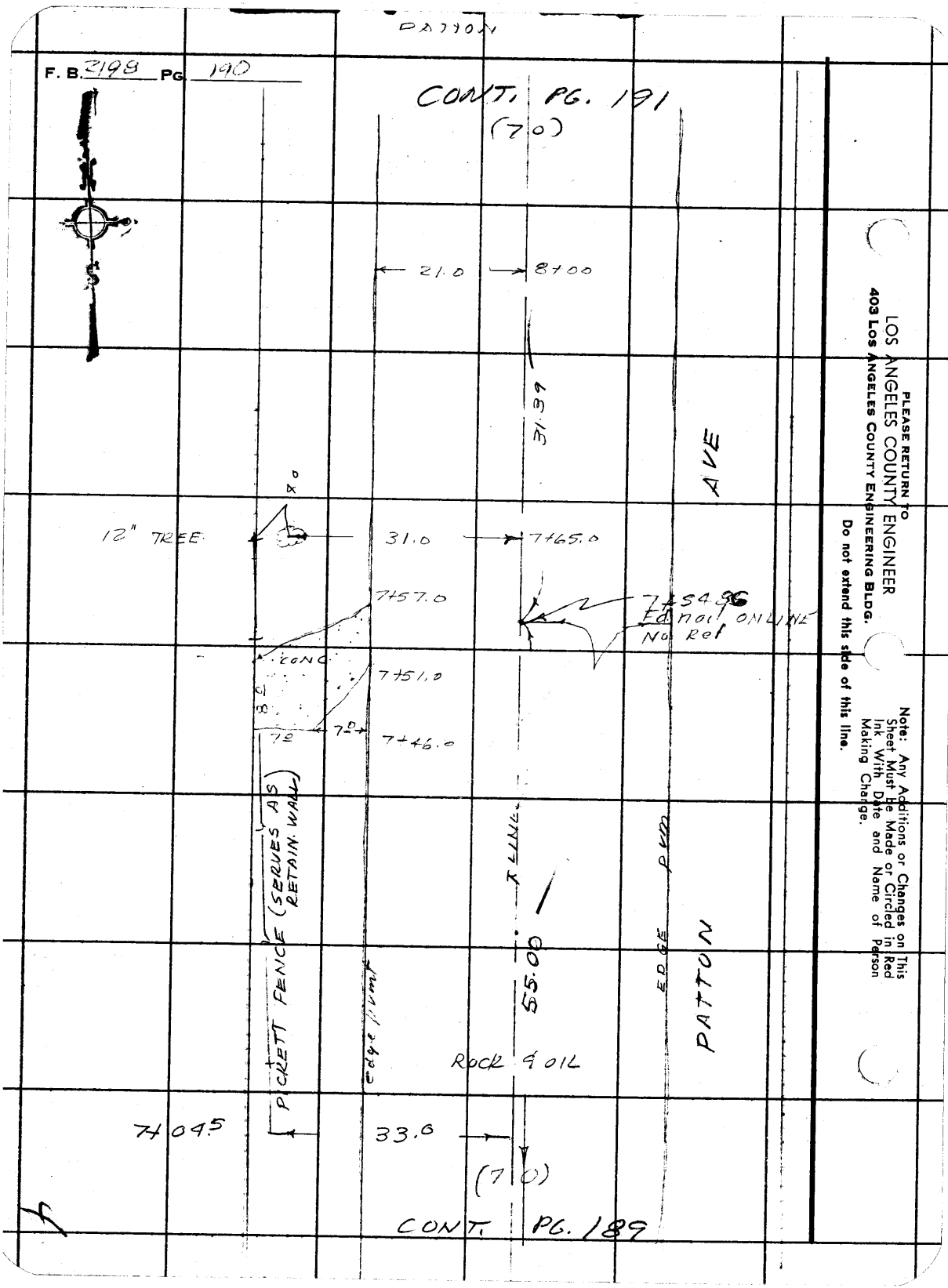
76F3095 CE #310 6-63


PATTON
F. B. 3198 PG. 190
CONT. PG. 191
(70)
21.0
8+00
31.39
AVE
12" TREE
31.0
7+65.0
7+57.0
7+54.86
Fd nail ONLINE
No Ref
CONC
7+51.0
7+46.0
PICKETT FENCE (SERVES AS RETAIN. WALL)
edge pvmt
55.00
EDGE PVM
PATTON
ROCK & OIL
7+04.5
33.0
(70)
CONT. PG. 189
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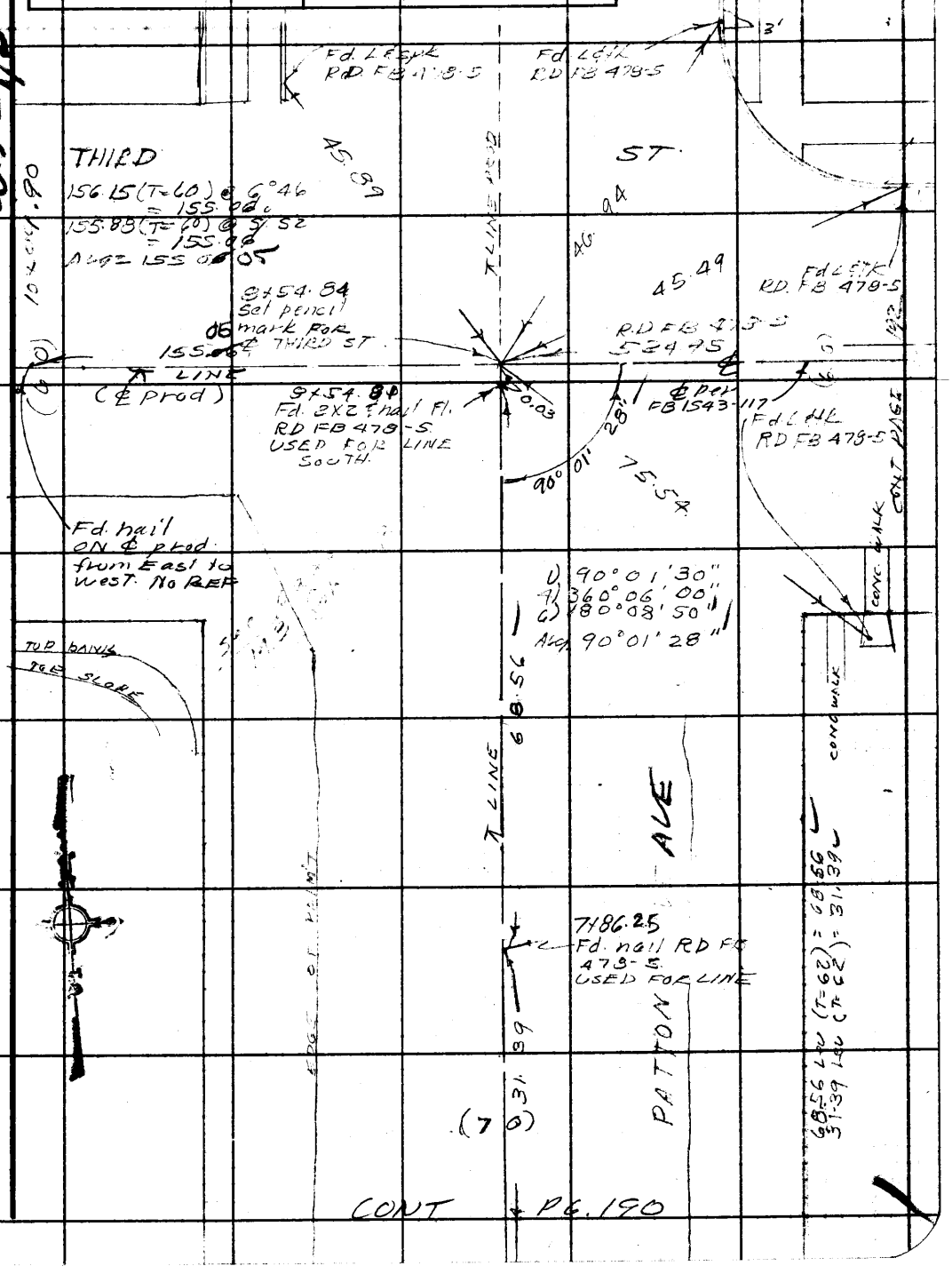
Notes Ck'd by G. E. BARR	Survey of THIRD ST SAN PEDRO AREA
Map No.	JN 2278 14 Tape 0188 Std 68 °F
Office Work	Surveyed by J. H. Brown
Checked	Notes J. H. B Date 3-25
Date	Indexed G. J. GALLI

F. B. 2198 PG. 191

W.S. 29, B-2



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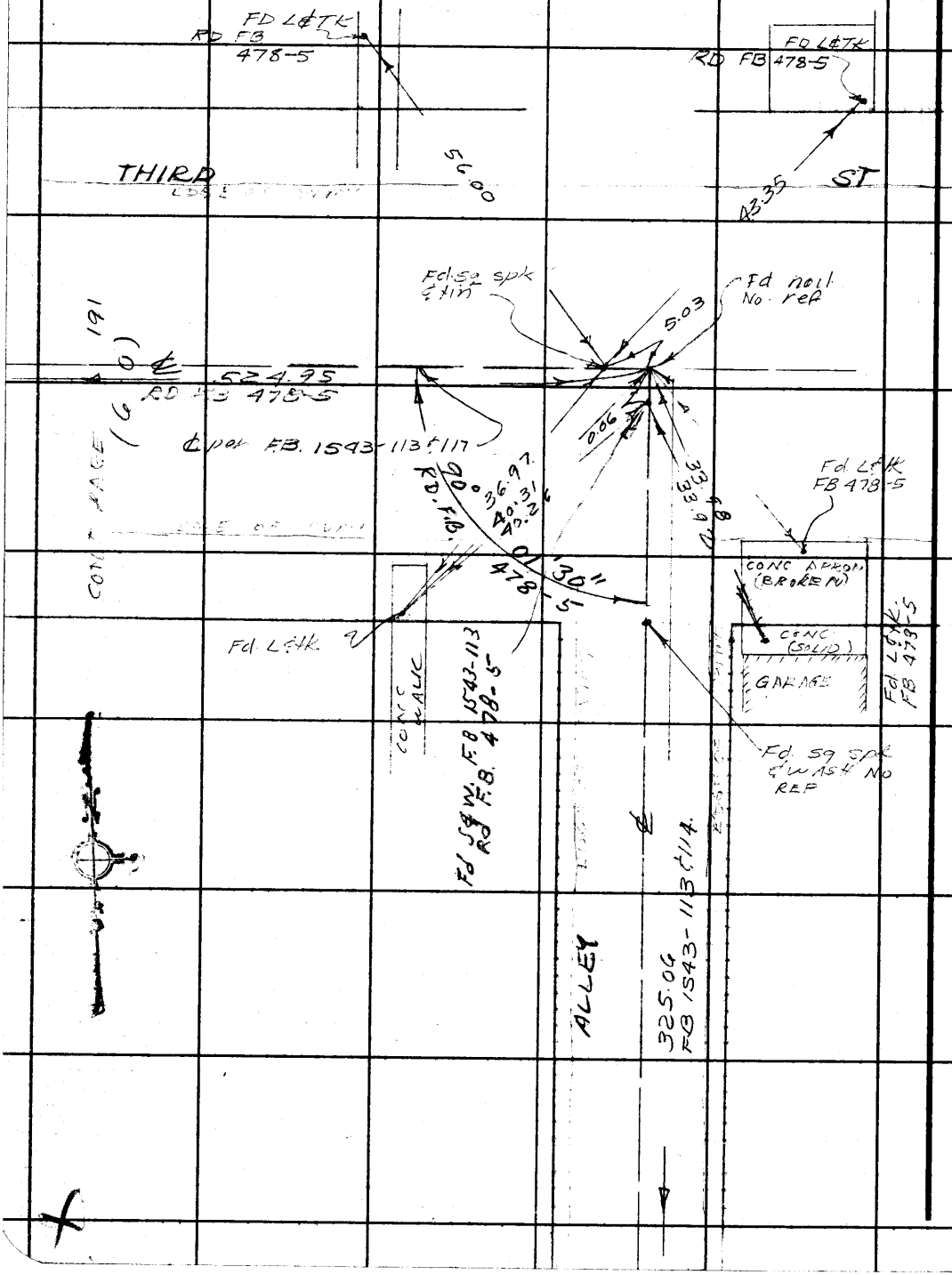
76F309S CE #310 6-83

F. B. 2198 PG 192



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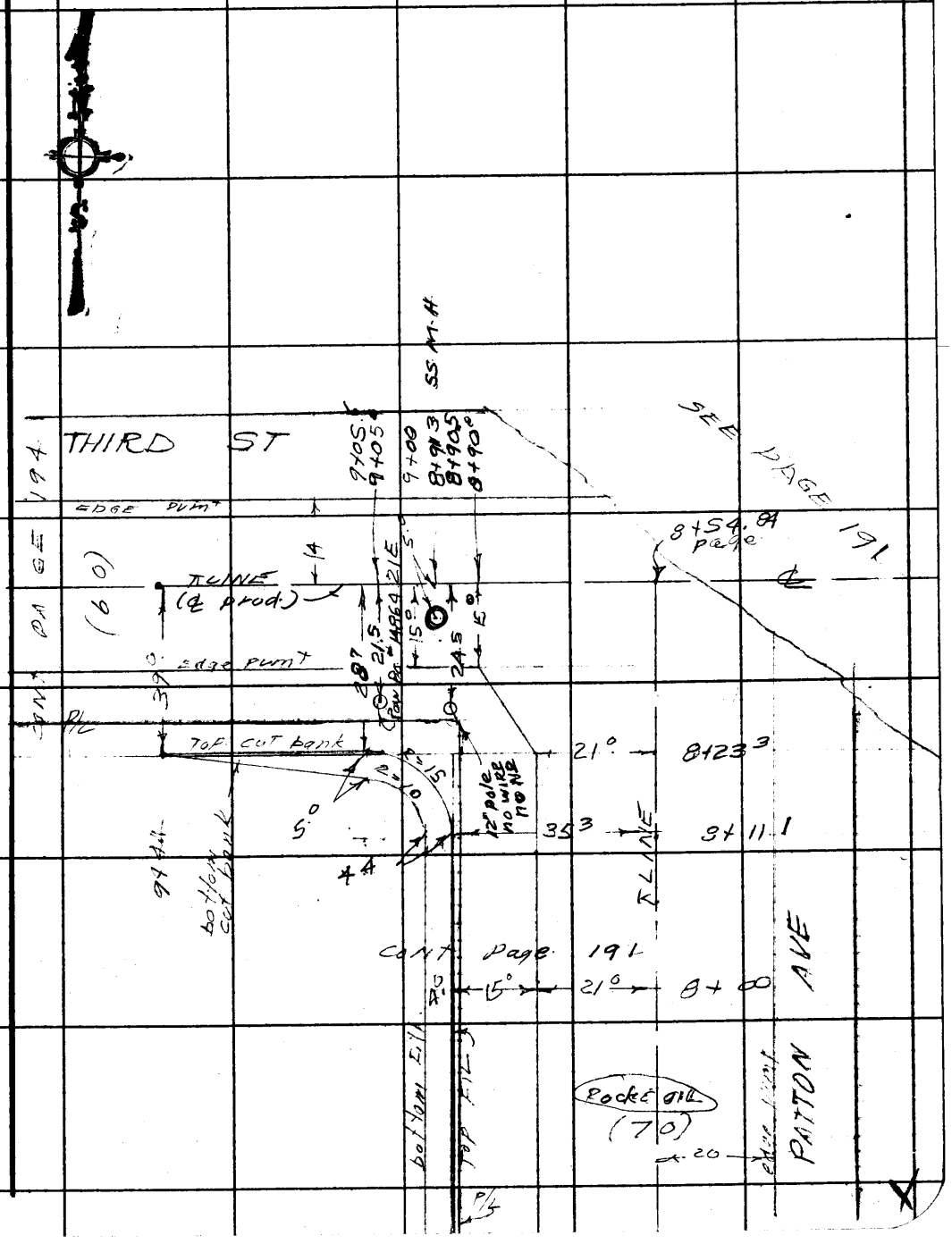
Notes Ck'd by G. E. BARR	Survey of THIRD ST SAN PEDRO AREA	F. B. 2198 PG. 193
Map No.	JN 2278.14 Tape 0188 Std 68 °F	
Office Work	Surveyed by J. H. Brown	
Checked	Notes J. H. B. Date 3-65	
Date	Indexed G. J. GALLI	



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76F309S CE #310 6-63

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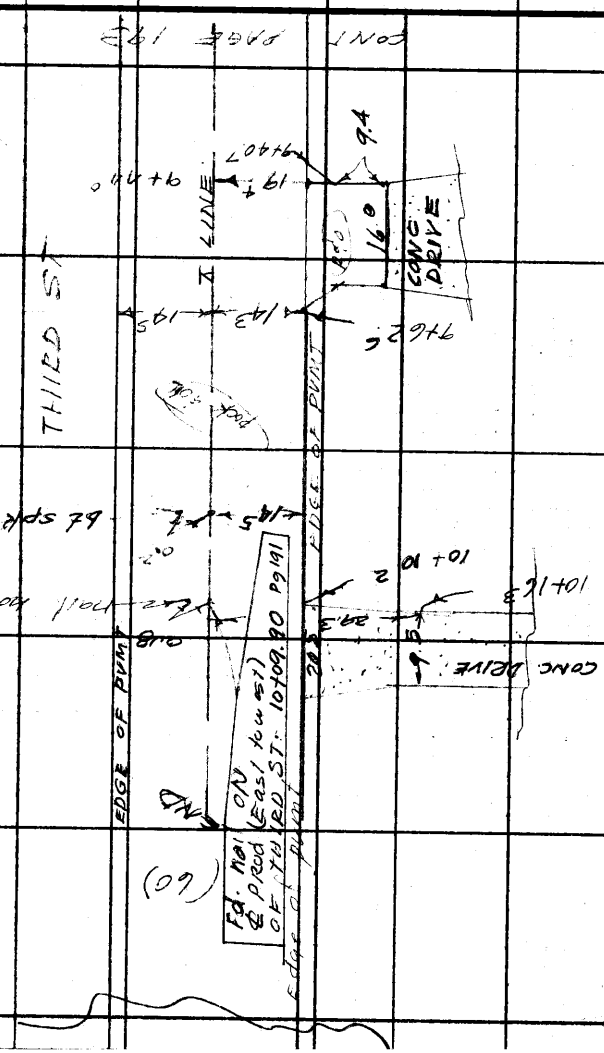
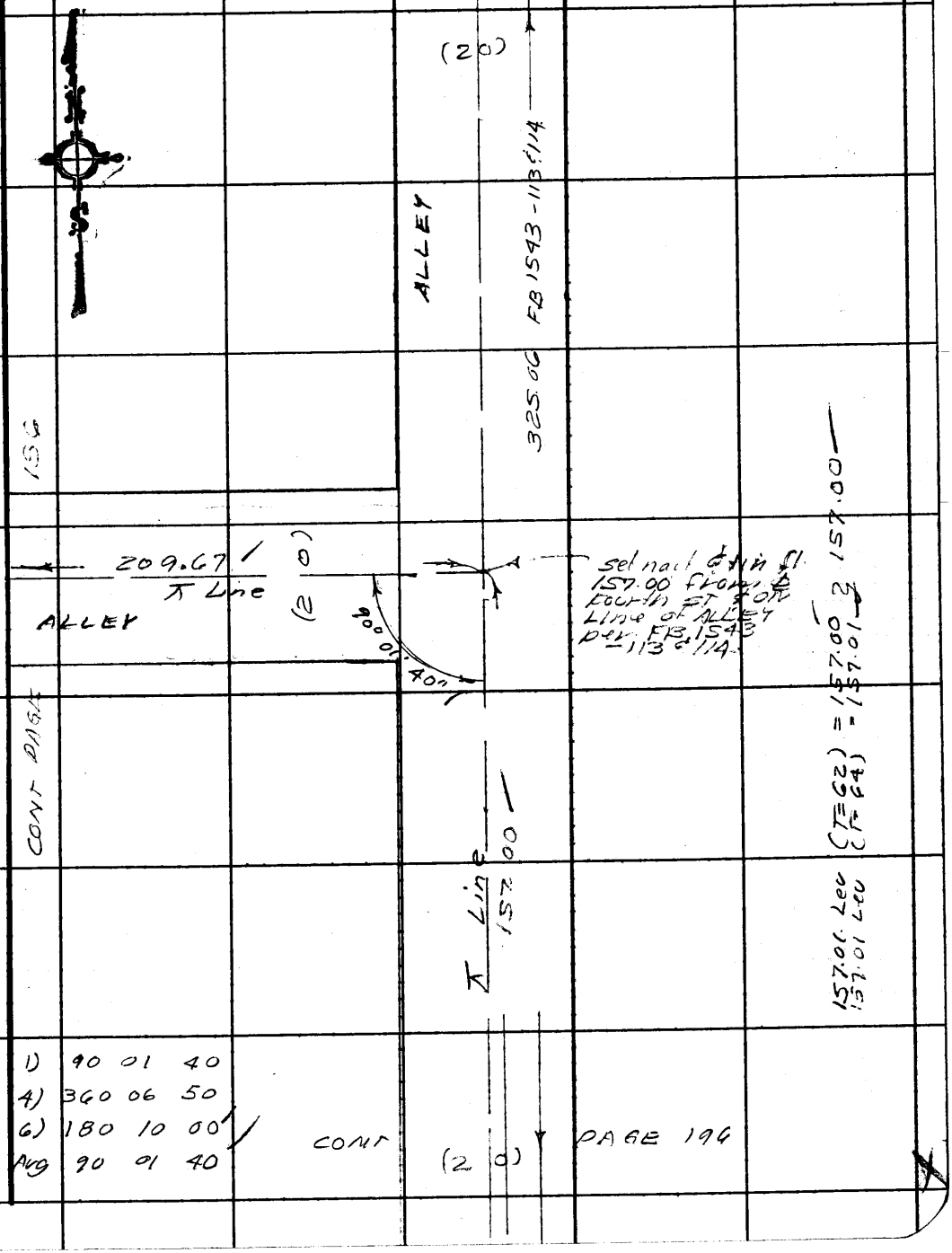


F. B2198 PG 194

Notes Ck'd by G. E. BARR	Survey of THIRD ST. SAN PEDRO AREA	F. B. 2198 PG. 195
Map No.	JN 2278.14 Tape 0180 Std 68 °F	
Office Work	Surveyed by J. H. Brown	
Checked	Notes J.H.B. Date 3-65	
Date	Indexed G. L. Gaffe	

CONT PAGE 192



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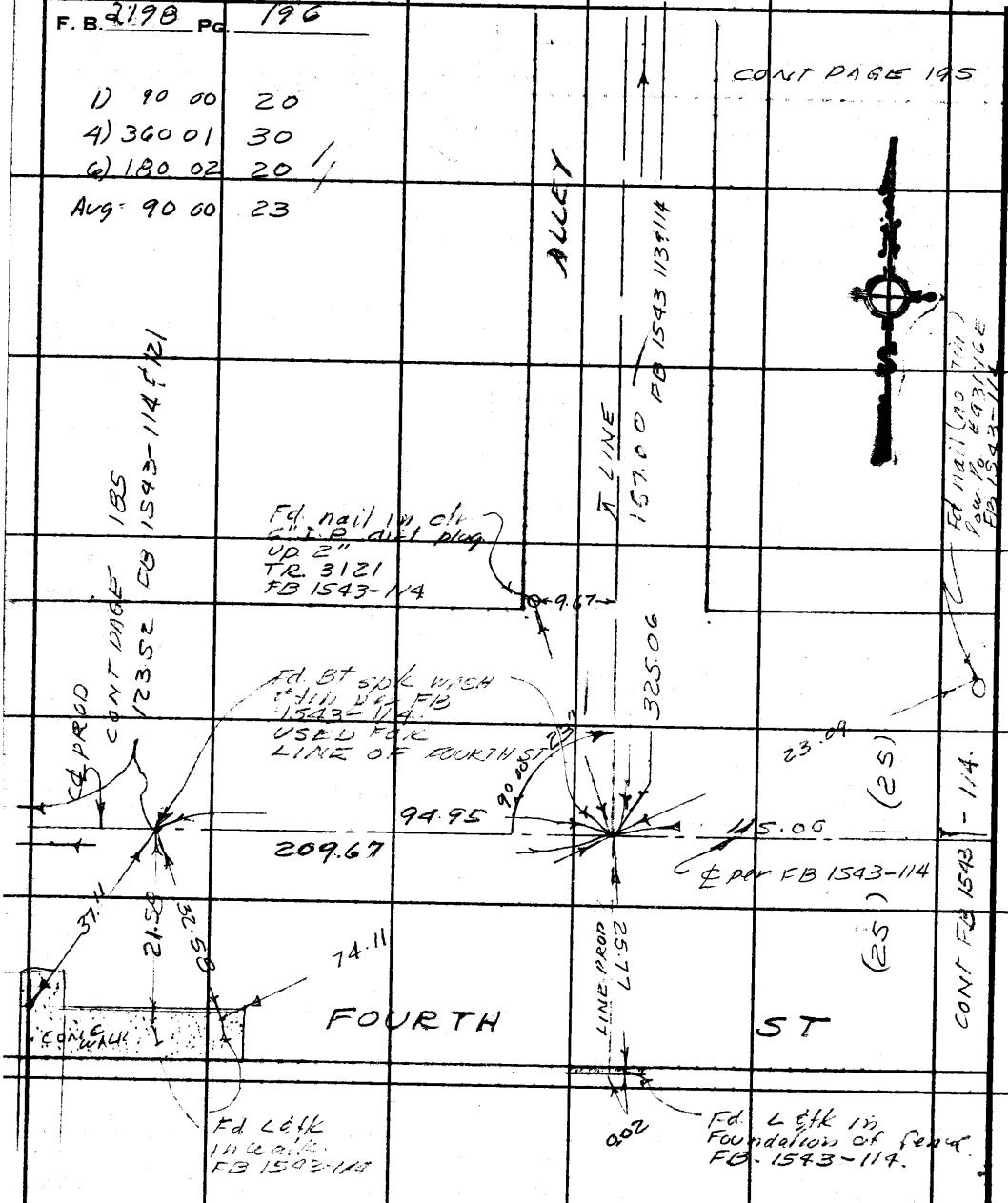
76F3095 CE #310 6-63

F. B. 2198 PG. 196

1) 90 00 20
4) 360 01 30
6) 180 02 20
Avg: 90 00 23



94.95 (T=69) Lev = 94.95
209.69 (T=60) Lev = 209.68
209.68 (T=60) Lev = 209.67 } 209.67

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Profile No.	Notes Red	Plotted	Job No. 2278.14	Division No. 11	F.B. 2198	Pg. 197
	Date	Date	Survey of THIRD ST. SAN PEDRO AREA			
X-Sec. No.	Notes Chkd.	Checked	Survey by J.H. BROWN	Notes J.H.B.	Date 3-65	
	Date	Date	Map No.	Indexed G. J. GALLI	Date	

J.N. 2278.14
THIRD ST (SAN PEDRO AREA)
CROSS SECTIONS

from S.S.M.H. in alley west of Walker & South of 4TH ST. (1+00) To

MARCH 1965

BRUNSON LEVEL # 551911
LEMKER ROD # 23

Brown
Peterson
CARO
NUNEZ

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

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76-L298 CE 307 3-61

76-L298 CE 307 3-61

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STATION	B. S.	H. I.	F. S.	ELEV.		
1+01.04				263 79	Punch mark N. RIM	M.H.
					ELEV = 263.787 FB.	2198-178.
				258 08	bot channel N side)	
				257 86	Rim 263.79	OUTLET south.
					Rod - 5.21	Rim 263.79
					~~Top~~	Rod. 5.26
					~~dia~~ X	Top 258.53
					bot 258.08	dia 0.67
						bot 257.86
1+50				263 2		
1+76.				262 37		∡ pt. (bot break)
1+83				263 5		
"				264 9		8° rt.
2+00				267 7		
"				268 9		10 RT
"				266 6	7° LT.	
2+08.01				269 37	(Pg 178)	break
2+36.17				272 47	Pg 178	∡ pt
2+40				272 35		Punt (N edge)
				273 8		10° RT dist. over punt
				271 0	10° LT. (old punt)	

F.B. 2198 Pg. 198
Job No. 2278.14 Division No. 11 Notes Red ____ Plotted ____ Profile
Survey of THIRD ST - SAN PEDRO AREA Date ____ Date ____ No. ____
Survey by J.H. BROWN Notes J.H.B. Notes Chkd. ____ Checked ____ X-Sec.
Indexed C. J. GALLI Date ____ Date ____ No. ____

76-L298 CE 307 3-61

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STATION	B.S.	H.I.	F.S.	ELEV.		
2+65.				275.5		
2+96				275.7		
3+30				276.2		
3+71.31				277.44	(Elev = 277.439 pg. 178)	¢ pt. pg 186
4+85				278.0		
4+00				277.6		
4+75				275.0		Break
5+00				78.8		
"				84	7.4 Lt (conc)	
"				275.8	85 LT.	
5+82				281.2		
"				281.0	5.3 LT. (conc)	
"				276.0	85 LT.	
6+00				281.7		
6+50				282.0		
"				281.1	8.0 LT (conc)	
"				274.0	85 LT.	
6+86.83				283.2		
				275.3	9.7' west & 45' south of 6+86.3 (sew. cor. house ground	
6+87				281.5	11.0 pvmt	
				280.5	20' edge pvmt	
				279.9	35 P/L	

Profile No. ____ Notes Red ____ Plotted ____ Job No. 2278.14 Division No. ____ F.B. 2198 Pg. 199

X-Sec. No. ____ Date ____ Date ____ Survey of THIRD ST SAN PEDRO AREA

Notes Chkd. ____ Checked ____ Survey by JHB Notes JHB Date 3-65

Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

76-L298 CE 307 3-61

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STATION	B.S.	H.I.	F.S.	ELEV.	Lof. (west)	
6+93.5				271.8	74.7 GROUND @ SEWER OUTLET.	
7+00				283.5		N
				283.1	11 PUMT	
				282.0	21 edge pvmt	
				280.7	30 P/L	
7+06				28	21 edge brk	
				43	22 Top fill	
				37	29 Top fill	
				31	30 bot	
7+38				277.6	79' GROUND AT SEWER OUTLET	
7+66.				289.?		N
				289.3	21 pvmt	
				284.5	35.5 Top break	
				286.3	40.5 bot. break	
8+00				292.[illegible]		N
				291.7	21 pvmt	
				291.2	36 Top break	
				296.5	40 bot break	
8+15				291.7	35 dirt	
8+38.5				293.4		N
				292.5	21 pvmt	
					28 EDGE [illegible]	

F.B. 2198 Pg. 200

Survey of 7TH/2ND ST - SAN PEDRO AREA Job No. 2278.14 Division No. 11 Notes Red ____ Plotted ____ Profile

Survey by J.H. BROWN Notes J.H.B. Date ____ Date ____ No. ____ X-Sec.

Indexed C. J. GALLI Date ____ Notes Chkd. ____ Checked ____ No. ____

76-L298 CE 307 3-61

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STATION	B.S.	H.I.	F.S.	ELEV.	Left (SOUTH)	
8+54 84				294 4		INTS
8+91 3				292 1	52 SOUTH W RIM 292.05 E RIM 292.17 SS. M.H.	
9+00				291 4		
				290 5	15° EDGE PUM	
				290 6	27° dirt top bank	
				286 5	33	
9+173				289 44		12.4 SPK. (T.P. page 171)
9+40				286 6	15 dirt	
9+50.				286 3		
				285 7	16 out	
				286 5	CONC.	
9+58				284 99	128 SPK (T.P. 7 page 176)	
10+00				280 9		
				290 1	14.5 edge pumt	
				279 5	25 dirt	
10+043				280 58		4.8 SPK (T.P. 6 page 176)
10+20				279 1		
				278 0	14.5	
				277 2	27 CONC	
10+61				277 2		
11+15	T.P. 5/			279 93		15.5 SPK (T.P. 5 page 176) EL. 279.932

Profile No. ____ Notes Red ____ Plotted ____ Job No. 2278.14 Division No. ____ F.B. 2198 Pg. 201
X-Sec. No. ____ Date ____ Date ____ Survey of THIRD ST SAN PEDRO AREA
Notes Chkd. ____ Checked ____ Survey by J. H. Brown Notes J. H. B. Date 3-16-65
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F. B. 2198 Pg. 202

Job No. _____ Division No. _____ Notes Red _____ Plotted _____ Profile

Survey of _____ Date _____ Date _____ No. _____

Survey by _____ Notes _____ Notes Chkd. _____ Checked _____ X-Sec.

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

76-L298 CE 307 3-61

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Profile No. ____ Notes Red ____ Date ____ Plotted ____ Date ____ Job No. 338437 Division No. 11 Survey of TYLER AVE

F.B. 2198 Pg. 203

X-Sec. No. ____ Notes Chkd ____ Date ____ Checked ____ Date ____ Survey by HOLMES Notes MOODY Date 10-25-65

Map No. ____ Indexed C. J. GALLS Date OCT 26 '65

J.N. 3384.37

TYLER AVE

INVERT ELEVATIONS OF MANHOLES

MH # 1: JC N.E. COR. TYLER AVE & FEWCETT

MH # 2 300'± NE'LY OF FEWCETT ON E SIDE TYLER

MH # 3 300± NE'LY OF CENTROL AVE ON TYLER W. SIDE

MH # 4 TYLER AVE & SLACK RD (W. SIDE)

HOLMES
MOODY
GUIZADO
VALDEZ

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

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76-L-298 CE 307 2-63

76-L-298 CE 307 2-63

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STATION	B. S.	H. I.	F. S.	ELEV.		
(RD DEPT) Bm 14-31				231 271	Bm WHITTIER 1965 ELEV. 231.271 PER RD. DEPT., CO. ENGR Bm mon. in WELL 9 in DN NR INT. FAWCETT AVE & TYLER AVE 11 FT. SLY & 5 FT. WLY ℄ INT. MKD.	
					Bm 14-31 TYLER & FAWCETT N.E. COR.	
MH#1 = JC						MH#1 = JC.
				232 19	S.E. Rim INLET	8.85 MEAS. 1.00 DIA 9.85 ROD
				222 34	INVERT	
				232 19	N.E. Rim INLET	8.77 MEAS. 2.75 DIA 11.52 ROD
				220 67	INVERT	
				232 19	S.W. Rim OUTLET	8.78 MEAS 2.75 DIA 11.53 ROD
				220 66	INVERT	
TP				233 11	300± N.E. LY OF FAWCETT ON E. SIDE TYLER.	
MH#2				233 84	N.E. LY Rim 9.78 MEAS 2.75 DIA 12.53 ROD	(INLET) MH.#2
				221 31	INVERT	
				233 81	S.W. LY Rim 9.76 MEAS 2.75 DIA 12.51 ROD	(OUTLET)
				221 30	INVERT	
Bm 14-31					Bm 14-31 ELEV. SEE ABOVE FOR DESC	

F.B. 2198 Pg. 204 Job No. 3387.37 Division No. 11 Notes Red ____ Plotted ____ Profile ____
Survey of TYLER AVE Date ____ Date ____ No. ____
Survey by HOLMES Notes MOODY Notes Chkd. ____ Checked ____ X-Sec. ____
Indexed C. J. GALLI Date ____ Date ____ No. ____

76-L-298 CE 307 2-63

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	
Bm. RD DEPT.				236 414	STEEL BAR in conc. FLOOR OF DOOR to BLDG on S.E'LY COR. TYLER AVE & CENTRAL AVE BM RD DEPT. ELEV. 236.414
Bm RD DEPT				238 113	Bm RD DEPT. ELEV. 238.113, RD Bm TAG. W'LY CB. 1 FT. S'LY BCR @ SW'LY COR. TYLER AVE & CENTRAL AVE
TP				238 88	
MH # 3 = JC.					MH. #3, 300± N.E'LY OF CENTRAL AVE ON TYLER AVE (W. SIDE)
				239 41	N.E RIM INLET
				231 17	INVERT
				239 42	S.W RIM INLET
				231 19	INVERT
				239 41	S.E. RIM OUTLET
				230 96	INVERT
TP				239 85	
"				240 83	
"				241 66	

7.57 MEAS
0.67 DIA
8.24 ROD

7.56 MEAS
0.67 DIA
8.23 ROD

7.78 MEAS
0.67 DIA
8.45 ROD

Profile No. ____ Notes Red ____ Plotted ____ Job No. 3387.37 Division No. 11 F.B. 2198 Pg. 205
X-Sec. No. ____ Date ____ Date ____ Survey of TYLER AVE
Notes Chkd. ____ Checked ____ Survey by HOLMES Notes MOODY Date 10-25-65
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

76-L-298 CE 307 2-63

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STATION	B. S.	H. I.	F. S.	ELEV.		
MH. #4					MH #4 TYLER AVE & SLACK RD	
					W. SIDE	
				~~24259~~	~~N.E. RIM INLET~~	
				24259	S.W. RIM INLET	999 MEAS 0.67 DIA 10.66 ROD
				23193	INVERT	
				24259	S.E. RIM OUTLET	10.10 MEAS 0.67 DIA 10.77 ROD
				23182	INVERT	
T.P.				24172		
"				24050		
"				23937		
BM. RD. DEPT				23811	BM. RD DEPT. ELEV. = 238.113	
					SEE PG. 205 for DESC.	

F.B. 2198 Pg. 206 | Job No. 3384.37 | Division No. 11 | Notes Red | Plotted | Profile
Survey of TYLER AVE | Date | Date | No.
Survey by HOLMES | Notes MOODY | Notes Chkd. | Checked | X-Sec.
Indexed G. J. GALLI | Date | Date | Date | No.

Notes Ck'd by	Survey of PACKERS AVE.	F. B. 2198 PG. 207
Map No.	JN 2368.34 Tape 0231 Std 68 °F	
Office Work	Surveyed by W. A. RICHARDS	
Checked	Notes W. A. R. Date 11-65	
Date	Indexed G. J. GALLI [illegible]	

C. I. 2368.34

PACKERS AVE.
(VERNON AREA)

CURB AND BUILDING FRONT OFFSETS
ON
44TH ST.
FROM
DOWNEY RD. W'LY 200' ± (PVT. ST)

RICHARDS
OCHSNER
TURRILL
SIEMANN

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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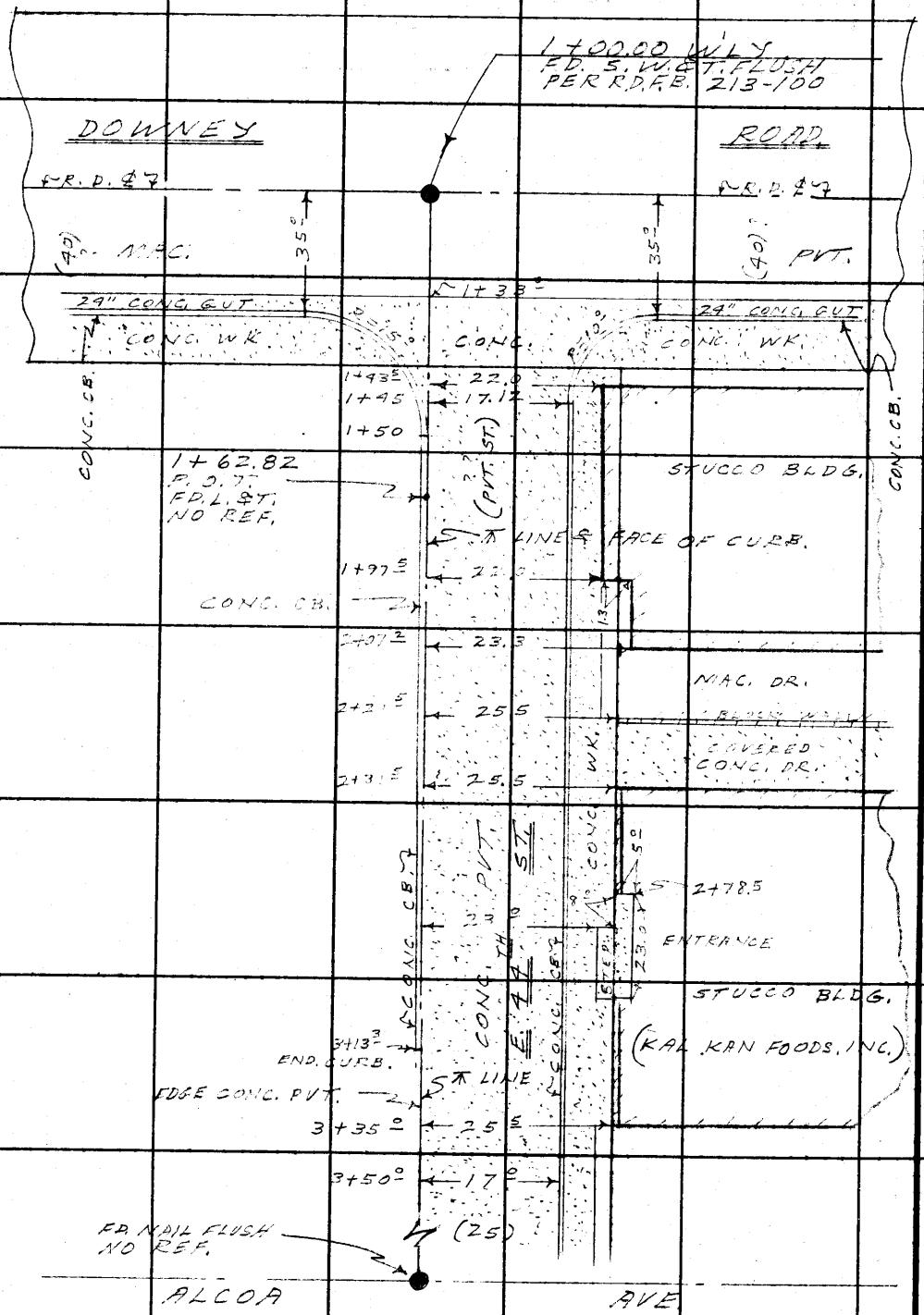
76F309S CE #310 6-63

F. B 2198 PG. 208



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C.I. 2368.34

F.B. 2198 Pg. 209

Profile No.	Notes Red	Plotted	Job No.	Division No. 11
	Date	Date	Survey of PACKERS AVE.	
X-Sec. No.	Notes Chkd.	Checked	Survey by RICHARDS	Notes W.A.R. Date 11-65
	Date	Date	Map No.	Indexed C. J. GALLI Date

C.I. 2368.34

PACKERS AVE.

(HERMAN APPR)

CROSS-SECTIONS

ON

PACKERS AVE

FROM ALCOA AVE. ELY 1000'

1+00.00 = ⊼ LINE INT. OF ALCOA AVE. &

PACKERS AVE. PER FB. 2198-49

ELEVATIONS BASED UPON B.M. CIRCUIT IN FB. 2198:43-46

TRANSIT LINE SURVEYS FB. 2198:47-52

SURVEY INDEX NO. 4390

RICHARDS
OCHSNER
TURRILL
SIEMANN

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

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76-L-298 CE 307 2-63

76-L-298 CE 307 2-63

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STATION	B.S.	H.I.	F.S.	ELEV.	PACKERS AVE.	(ELS.)
					LT.	RT.
B.M. # 2				187.58	B.M. # 2 EL. = 187.582	FB. 2198-44
					PACKERS AVE. & ALCOA AVE.	
					L.&T. IN W. CB. ON ℄ PROD. OF PACKERS AVE.	
1+00.00				187.44		INT.
				187.34		25' PVT.
				187.51	25' PVT.	
2+00				187.10		
				187.05		8° CONC. PVT.
				186.86		17° " GVT
				186.91		" T.C. - VER. CB.
				187.36		22° BK. WK.
				187.4		25° GD.
				187.06	8° CONC.	
				186.89	17° " GVT	
				187.31	17° T.C.	
				187.41	22° BK. WK.	
				187.4	25° GD.	

F.B. 2198 Pg. 210 Job No. 2368.34 Division No. 11 Notes Red Plotted Profile
Survey of PACKERS AVE. Date Date No.
Survey by RICHARDS Notes W.A.R. Notes Chkd. Checked X-Sec.
Indexed C. J. GALLI Date Date Date No.

76-L-298 CE 307 2-63

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STATION	B. S.	H. I.	F. S.	ELEV.	ELS. ON PACKERS AVE. LT.	RT.
3+00	⊙			186.57		
				186.49		8° CONC. PVT.
				186.18		17° " GVT
				186.61		17° T. C.
				186.66		22° BK. WK.
				186.7		25° GD
				186.48	8° CONC. PVT.	
				186.25	17° " GVT	
				186.72	17° T. C.	
				186.72	22° BK. WK.	
				186.7	25° G.D.	
4+00				186.02		
				185.90		8° CONC. PVT.
				185.65		17° " GVT
				185.97		17° T. C.
				185.96		22° BK. WK.
				186.0		25° GD.
				185.97	8° CONC. PVT.	
				185.67	17° " GVT.	

Profile No. ____ Notes Red ____ Date ____ Plotted ____ Date ____ Job No. 2368.34 Division No. 11 Survey of PACKERS AVE. Survey by RICHARDS Notes W.S.R. Date 11-65 Map No. ____ Indexed J. GALLI Date ____

X-Sec. No. ____ Notes Chkd. ____ Date ____ Checked ____ Date ____

F.B. 219 Pg. 211

76-L-298 CE 307 2-63

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STATION	B.S.	H.I.	F.S.	ELEV.	ELEV. ON PACKERS AVE LT.	RT.
4+00				186.05	17° T.C.	
				186.10	22° BK. WK.	
				186.1	25° GD.	
5+00				185.41		
				185.30		8° CONC. PUT.
				185.41		17° " GUT
				185.40		17° T.C.
				185.50		22° BK. WK.
				185.5		25° GD.
				185.30	8° CONC. PUT.	
				185.12	17° " GUT	
				185.54	17° T.C.	
				185.64	22° BK. WK.	
				185.7	25° GD.	
6+00	(1)			184.85		
				184.72		8° CONC.
				184.38		17° " GUT
				184.72		17° T.C.

F.B. 2198 PG. 212 Job No. 2368.34 Division No. 11 Notes Red ____ Plotted ____ Profile ____
Survey of PACKERS AVE. Date ____ Date ____ No. ____
Survey by RICHARDS Notes W.A.R. Notes Chkd. ____ Checked ____ X-Sec. ____
Indexed C. J. GALLI Date ____ Date ____ Date ____ No. ____

76-L-298 CE 307 2-63

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STATION	B. S.	H. I.	F. S.	ELEV.	ELS. ON PACKERS AVE. LT.	RT.
6+00				184.75		22° BK. WK.
				185.10		25° CONC.
				184.73	8° CONC. PUT.	
				184.51	17° " GUT	
				184.59	17° T.C. (DAB CB)	
				184.98	22° WK.	
				185.16	25° CONC.	
7+00				184.29		
				184.17		8° CONC. PUT.
				183.89		17° " GUT
	⊙	1		184.34		17° T.C.
				184.45		22° CONC. WK.
				184.60		25° CONC.
				184.27	8° CONC. PUT.	
				184.00	17° " GUT	
				184.45	17° T.C.	
				184.50	22° CONC. WK.	
				184.5	25° ED.	

Profile Notes Red ____ Plotted ____ Job No. 2368.34 Division No. 11 F. B. 2198 Pg. 213
No. ____ Date ____ Date ____ Date ____ Survey of PACKERS AVE.
X-Sec. Notes Chkd. ____ Checked ____ Survey by WHITNEY Notes WHITNEY Date 11-65
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALL Date ____

76-L-298 CE 307 2-63

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183.73

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STATION	B.S.	H.I.	F.S.	ELEV.	[illegible] ON PACKERS AVE.	
					LT.	RT.
8+00				183.91		
				183.80		8° CONC PUT.
				183.46		17° " GUT
				183.84		17° T.C.
				183.78		22° CONC. WK.
				183.96		25° CONC.
				183.87	8° CONC. PUT.	
				183.63	17° " GUT	
				184.00	17° T.C.	
				184.10	22° BK. WK.	
				184.1	25° G.D.	
9+00				183.48		
				183.40		8° CONC. PUT.
				183.00		17° " GUT
				183.61		17° T.C.
				183.61		22° WK.
				183.65		25° CONC.
				183.40	8° CONC. PUT.	
				183.20	17° " GUT.	

F.B. 2198 PG. 214 2368.34

Job No. Division No. 11 Notes Red Plotted Profile

Survey of PACKERS AVE. Date Date No. X-Sec.

Survey by RICHARDS Notes W.A.R. Notes Chkd. Checked

Indexed C. J. GALLI Date Date Date No.

76-L-298 CE 307 2-63

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STATION	B. S.	H. I.	F. S.	ELEV.	ELY. ON PACKERS AVE. LT.	RT.
9+00				183.61	17° T. C.	
	①			183.73	22° BK. WK.	
				183.7	25° GD.	
10+00				183.22		
				183.10		8° CONC. PVT.
				182.76		17° " GVT.
				183.13		17° T. C.
				183.31		22° WK.
				183.50		25° CONC.
				183.18	8° CONC. PVT.	
				182.93	17° " GVT.	
				183.35	17° T. C.	
				183.56	22° BK. WK.	
				183.6	25° GD.	
11+00	①			183.05		
				182.96		8° CONC. PVT.
				182.64		17° " GVT.
				183.05		17° T. C.

Profile Notes Red ____ Plotted ____ Job No. 2368.34 Division No. 11 F. B. 2198 Pg. 215
No. ____ Date ____ Date ____ Survey of PACKERS AVE.
X-Sec. Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes [illegible] Date 11-65
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

76-L-298 CE 307 2-63

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STATION	B. S.	H. I.	F. S.	ELEV.	ELS. ON PACKERS AVE. LT.	RT.
11+00				183.15		22° CONC. WK.
				183.25		25° CONC.
				183.00	8° CONC. PVT.	
				182.67	17° " GVT	
				183.15	17° T. C.	
				183.35	22° CONC. WK.	
				184.2	25° SP.	
T. P.				182.90	—	
B.M.S.Y. 4658				182.75	B.M.S.Y. 4658 ELEV. 182.764 FB. 2198-44 DOWNEY RD. & PACKERS AVE. S.W. COR. SQ. HD. BOLT IN LEAD IN CB, 5° S. OF S. END C.R.	

F. B. 2198 PG. 216 Job No. 2368.34 Division No. 11 Notes Red Plotted Profile
Survey of PACKERS AVE. Date Date No.
Survey by RICHARDS Notes W. A. S. Notes Chkd. Checked X-Sec.
Indexed C. J. GALLI Date Date Date No.

Profile No.	Notes Red	Plotted	Job No. 2368.34	Division No. 11	F.B. 2198 Pg. 217
	Date	Date	Survey of PACKERS AVE.		
X-Sec. No.	Notes Chkd.	Checked	Survey by RICHARDS	Notes W.A.K.	Date 11-65
	Date	Date	Map No.	Indexed C. J. GALLI	Date

C.I. 2368.34

PACKERS AVE
(VERNON AREA)

CROSS-SECTIONS
ON
45TH ST.

FROM ALCOA AVE. ELY. 900'

1+00.00 = ⊼ LINE INT. OF ALCOA AVE. & 45TH ST.
ELEVATIONS BASED UPON B.M. CIRCUIT IN FB. 2198: 43-46
TRANSIT LINE SURVEYS REF. " " 47-52
SURVEY INDEX NO. 4390

RICHARDS.
OCHSNER
TURRILL
SIEMANN

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

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F.B. 2198 Pg. 218 | Job No. 2368.34 | Division No. 11 | Notes Red ____ Plotted ____ Profile ____
Survey of PACKERS AVE. | Date ____ Date ____ No. ____
Survey by RICHARDS Notes W.A.R. | Notes Chkd. ____ Checked ____ X-Sec. ____
Indexed G. J. GALLI Date ____ | Date ____ Date ____ No. ____

STATION	B.S.	H.I.	F.S.	ELEV.	ELY. ON ℄ 45TH ST. LT.	RT.
B.M. # V-513				188.15	B.M. V-513 EL. = 188.147 FB. 2198-44 ALCOA AVE. & 45TH ST. SPK. IN LEAD IN W. CB., 2° N. ℄ PROD. 45TH ST.	
1+00				188.13		INT.
				188.08		25' MAC.
				188.16	25' MAC.	
2+00				187.78		
				187.68		8° CONC. PVT.
				187.46		17° " CUT
				187.82		17° T.C.
				187.85		22° CONC. WK.
				187.9		25° GD.
				187.84	8° CONC. PVT.	
				187.58	17° " CUT	
				187.92	17° T.C.	
				187.98	22° CONC. WK.	
				188.35	25° CONC.	

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STATION	B. S.	H. I.	F. S.	ELEV.	ELY. ON E. 45TH ST. LT.	RT.
3+00				187.33		
				187.26		8° CONC. PUT.
				187.04		17° " GUT.
				187.37		17° T.C.
				187.29		22° CONC. WK.
				187.3		25° G.D.
				187.37	8° CONC. PUT.	
				187.13	17° " GUT.	
				187.46	17° T.C.	
				187.52	22° CONC. WK.	
				187.6	25° G.D.	
4+00	⊙			186.94		
				186.82		8° CONC. PUT.
				186.56		17° " GUT.
				186.66		17° " T.C. (DEP.CB)
				187.00		22° CONC. WK.
				187.0		25° G.D.
				186.96	8° CONC. PUT.	
				186.76	17° " GUT.	

Profile Notes Rod ____ Plotted ____ Job No. 2368.34 Division No. 11 F.B. 2138 Pg. 219
No. ____ Date ____ Date ____ Survey of PACKERS AVE.
X-Sec. ____ Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes W.B.R. Date 11-65
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

76-L-298 CE 307 2-63

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F. B. 2198 PG. 220 | Job No. 2368.34 | Division No. 11 | Notes Red ____ Date ____ | Plotted ____ Date ____ | Profile No. ____

Survey of PACKERS AVE. | Notes ____ Date ____ | X-Sec. No. ____

Survey by RICHARDS W.A.R. | Notes Chkd. ____ Date ____ | Checked ____ Date ____

Indexed G. J. GALL Date ____

STATION	B. S.	H. I.	F. S.	ELEV.	ELEV. ON E. 45TH ST. LT.	RT.
4+00				186.95	17° T.C.	
				187.20	22° CONC. WK.	
				187.2	25° G.D.	
5+00				186.48		
				186.36		8° CONC. PUT.
				186.10		17° " GUT
				186.20		17° T.C. DEP. CB.
				186.51		22° WK.
				186.6		25°
				186.49	8° CONC. PUT.	
				186.26	17° " GUT.	
				186.36	17° T.C. DEP. CB.	
				186.62	22° CONC. WK.	
				186.7	25° G.D.	
6+00				185.99		
				185.92		8° CONC. PUT.
				185.69		17° " GUT
				185.94		17° T.C.

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STATION	B. S.	H. I.	F. S.	ELEV.	ELS. ON E. 45TH ST. LT.	RT.
6+00				185.94		22° CONC. WK.
				186.0		25° MAC.
				186.03	8° CONC. PUT.	
				185.82	17° " OUT.	
				185.90	17° T. C. DEP. CB.	
				186.18	22° CONC. WK.	
				186.36	25° MAC.	
7+00	⊙			185.65		
				185.54		8° CONC. PUT.
				185.28		17° " OUT.
				185.34		17° T. C. (DEP.)
				185.78		22° CONC. WK.
				185.85		25° MAC.
				185.63	8° CONC. PUT.	
				185.37	17° " OUT	
				185.68	17° T. C.	
				185.76	22° CONC. WK.	
				185.80	25° MAC.	

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 2368.34 Division No. 11 F.B. 2198 Pg. 221
X-Sec. No. ____ Date ____ Date ____ Survey of PACKERS AVE.
Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes W. R. R. Date 11-65
Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

76-L-298 CE 307 2-63

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STATION	B.S.	H.I.	F.S.	ELEV.	ELY. ON E. 45TH ST. LT.	RT.
8+00				185.15		
				185.11		8° CONC. PUT.
				184.84		17° " GUT
				185.21		17° T.C.
				185.16		22° CONC. WK.
				185.20		25° MAC.
				185.17	8° CONC. PUT.	
				184.92	17° " GUT	
				185.32	17° T.C.	
				185.44	22° CONC. WK.	
				185.55	25° CONC.	
9+00				184.71		
				184.67		8° CONC. PUT.
				184.37		17° " GUT
				184.43		17° T.C. (DEP)
				184.88		22° CONC. WK.
				185.04		25° CONC.
				184.71	8° CONC. PUT.	
				184.40	17° " GUT	

F.B. 2198 PG. 222 Job No. 2368.34 Division No. 11 Notes Red ____ Plotted ____ Profile ____
Survey of PACKERS AVE. Date ____ Date ____ No. ____
Survey by RICHARDS Notes W.A.R. Notes Chkd. ____ Checked ____ X-Sec. ____
Indexed C. J. GALLI Date ____ Date ____ Date ____ No. ____

76-L-298 CE 307 2-63

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	ELY. ON E. 45TH ST. LT.	RT.
9+00				184.86	17° T. C.	
				184.88	22° CONC. WK.	
				184.96	25° CONC.	
10+00				184.44		
				184.37		8° CONC. PVT.
				184.09		17° " GUT
				184.48		17° T. C.
				184.50		22° CONC. WK.
				184.67		25°
				184.46	8° CONC. PVT.	
				184.19	17° " GUT.	
				184.58	17° T. C.	
				184.71	22° CONC. WK.	
				184.98	25° CONC.	
						RIVERA QUAD. - 1955
BM.S.Y.4657				184.12	B.M.S.Y.4657 EL. = 184.125 FB. 2198-45 DOWNEY RD & E. 45TH ST., N.W. COR. L. & T. IN CB., 3° W. OF W. END C. R.	

Profile No. ____ Notes Red ____ Plotted ____ Job No. 2368.34 Division No. 11 F.B. 2198 PG. 223
X-Sec. No. ____ Date ____ Date ____ Survey of PACKERS AVE.
Notes Chkd. ____ Checked ____ Survey by RICHARDS Notes W.A.R. Date 11-65
No. ____ Date ____ Date ____ Map No. ____ Indexed C. J. GALLI Date ____

F. B. 2198 Pg. 224 | Job No. 2368.34 Division No. 11 Notes Red _____ Plotted _____ Profile

Survey of PACKERS AVE. Date _____ Date _____ No. _____

Survey by RICHARDS Notes W.A.R. Notes Chkd. _____ Checked _____ X-Sec.

Indexed _____ Date _____ Date _____ Date _____ No. _____

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

76-L-298 CE 307 2-63

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

NOTES RED _____ JOB NO. 3164.36 SURVEY OF 166TH ST. STUDY

DATE _____ SURVEY BY L.L. BROWN

NOTES CHKD. G. E. BARR NOTES BY L.L. BROWN DATE 1-12-66

DATE JAN '66 INDEXED C. J. GALLI DATE JAN 1, 66

F.B. 2198 PG. 225

DESCRIPTION

166TH ST. STUDY

J.N. 3164.36

BENCH LEVELS

BENCH LEVEL CIRCUIT FROM B.M. S.D. 1866 (F.B. 2596-25) TO 166TH ST. & PIONEER BLVD. AND RETURN TO B.M. S.D. 1867 (F.B. 2596-26)

ADJ. ELEV.

ELEVS. BASED ON B.M.S.D. 1866 & 1867 F.B. 2596-25,26

3RD RUN

2ND RUN

PARTY

DIFF.

BROWN, L.L.
HARRINGTON, P.
FALSEY, J.

1ST RUN

MOODYMAN, W.

B.M.

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

Do not extend notes this side of this line

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
900 LOS ANGELES COUNTY ENGINEERING BLDG.

765420 S & E-353 9-55

76S420 S & E-353 9-55

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line

JOB NO. 3164 36 SURVEY OF 166TH ST. STUDY
SURVEY BY L.L. BROWN
NOTES BY L.L. BROWN DATE 1-12-66
INDEXED [illegible] DATE
NOTES RED. DATE
NOTES CHKD. G. E. BARR DATE JAN '66

F.B. 2198 PG. 226

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
(FD.)						
B.M. SD 1866	62 850				62 850	B.M. S.D. 1866 ELEV. 62.850 F.B. 2596-25 166TH ST. & MAIDSTONE AVE. N.W. COR. BT. SPK. IN CB. 45' ± W. OF THE W. END C.P.
+	5 127		5 019			
⊼	67 977	-0 069	-0 070	-0.069		
-	5 196		5 089			
T.P.	62 781					T.P. spk.
+	5 435		5 322			
⊼	68 216	+0 184	+0 184	+0.184		
-	5 251		5 138			
T.P.	62 965					T.P. spk.
+	5 683		5 505			
⊼	68 648	-0 290	-0 289	-0.290		
-	5 973		5 794			
T.P.	62 675					T.P. spk.
+	6 020		5 930			
⊼	68 695	+1 296	+1 296	+1.296		
-	4 724		4 634			
T.P.	63 971					T.P. spk.
+	5 842		5 734			
⊼	69 813	+0 720	+0 717	+0.720		
-	5 122		5 017			
T.P.	64 691					T.P. spk.
+	5 453		5 382			
⊼	70 144	-0 032	-0 030	-0.032		
-	5 485		5 412			
T.P.	64 659					T.P. spk.
+	5 962		5 870			
⊼	70 621	+0 422	+0 421	+0.422		
(SET) -EY31	5 540		5 449			EY31
B.M. ~~No. 1~~	65 081				65.081	B.M. ~~No. 1~~ ELEV. F.B. 2198-226, 227 FOR DESC. SEE PG. 227

76S420 S & E-353 9-55

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
(SET) EY31						EY31
B.M. ~~No 1~~	65 081				65.081	B.M. ~~No 1~~ ELEV. F.B. 2198-227
+	5 130		5 188			166TH ST. & PIONEER BLVD. S.W. COR.
⊼	70 211	+0 008	+0 009	+0.008		BT. SPK. IN CURB 5° W. OF W. END C.R.
(SET) - EY32	5 122		5 179			EY32
B.M. ~~No 2~~	65 089				65.089	B.M. ~~No 2~~ ELEV. F.B. 2198-227
+	4 923		4 801			166TH ST. & PIONEER BLVD. N.W. COR.
⊼	70 012	-0 265	-0 262	-0.265		BT. SPK. IN CURB 2° N. OF N. END C.R.
-	5 188		5 063			
T.P.	64 824					T.P. SPK.
+	5 132		5 019			
⊼	69 956	-0 240	-0 240	-0.240		
-	5 372		5 259			
T.P.	64 584					T.P. SPK.
+	5 224		5 103			
⊼	69 808	-1 401	-1 402	-1.401		
-	6 625		6 505			
T.P.	63 183					T.P. SPK.
+	4 958		4 879			
⊼	68 141	+0 156	+0 159	+0.156		
-	4 802		4 720			
T.P.	63 339					T.P. SPK.
+	3 512		3 381			
⊼	66 851	-2360	-2 360	-2.360		
-	5 872		5 741			
T.P.	60 979					T.P. SPK.
+	6 593		6 737			
⊼	67 572	+2 240	+2 240	+2.240		
-	4 353		4 497			
T.P.	63 219					T.P. SPK.

NOTES RED _____ JOB NO. 3164 36 SURVEY OF 166TH ST. STUDY
DATE _____ SURVEY BY L.L. BROWN
NOTES CHKD. G. E. BARR NOTES BY L.L. BROWN DATE 1-12-66
DATE JAN 66 INDEXED C. J. GALLI DATE

F.B. 2198 Pg. 227

768420 S & E-353 9-55

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	63 219					T.P. Spk.
+	5 028		4 911			
Σ	68 247	-1 483	-1 480	-1.483		
−	6 511		6 391			
T.P.	61 736					T.P. 1X1
+	5 993		5 850			
Σ	67 729	+0 360	+0 362	+0.360		
−	5 633		5 488			
T.P.	62 096					T.P. 1X1
+	4 689		4 595			
Σ	66 785	-1 151		-1.152		
(F.O.) −	5 840		5 748			
B.M. S.D. 1867	60 945				60.944	B.M. S.D. 1867 ELEV. 60.944 F.B. 2596-26 S.W. COR. SCHOOL PROP. 2"I.P. CONC. PL. & TAG (L.S. 2495) FLUSH @ INT. CH. LINK FN. & X PT. IN 6' BLOCK WALL) N.W. COR. TR. NO. 25764

JOB NO. 3164 36 SURVEY OF 166TH ST. STUDY
SURVEY BY L. L. BROWN
NOTES BY L. L. BROWN DATE 1-12-66
INDEXED C. J. GALLI DATE
NOTES RED. DATE
NOTES CHKD. G. E. BARM DATE JAN '68

F.B. 2198 PG. 228

Profile No.	Notes Red / Date	Plotted / Date	Job No. 3164 36	Division No.	F.B. 2198	Pg. 229
X-Sec. No.	Notes Chkd. / Date	Checked / Date	Survey of 166TH ST. STUDY			
			Survey by L.L. BROWN	Notes L.L.B.	Date 1-12-66	
			Map No.	Indexed P. J. GALLI	Date	

166TH ST. STUDY

JN 316436

INVERT ELEVATIONS ON
EXISTING S.S.M.H.'S.

STATION	B.S.	H.I.	F.S.	ELEV.
		BROWN, L.L.	PARTY	
		HARRINGTON, P.		
		FALSEY, J.		
		MOODYMAN, W.		

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

Do not extend notes this side of this line.

PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

76-L-296 CE 307 2-63

76-L-298 CE 307 2-63

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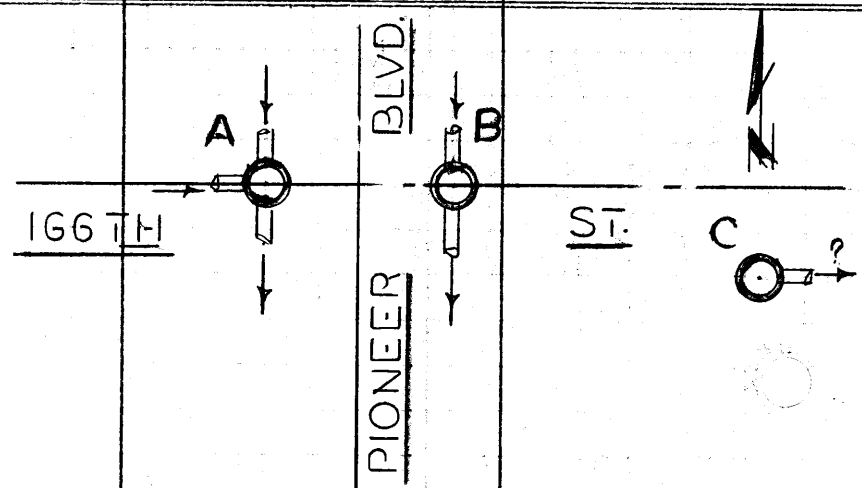
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
						
B.M. NO. 2				65 09	B.M. NO. 2 ELEV. 65.089 F.B. 2198-227	
					166TH ST. & PIONEER BLVD. N.W. COR. BT.	
					SPK. IN CURB 2.5 N. OF N. END C.R.	
A	N. RIM = 64.77			64 76	S.S.M.H.J.C. MEAN RIM	
S.S.M.H.J.C.	S. RIM = 64.75					MEAN R. 64.76
	MEAN R. = 64.76					MEAS. -8.93
NOTE: INVERTS DOUBLE CHECKED						T. PIPE 55.83
						DIA. " -0.67
				55 16	INV. 8" INLET (N)	INV. 55.16

F.B. 2198 PG. 230
Job No. 3164 36 Division No. ____ Notes Red ____ Plotted ____ Profile
Survey of 166TH ST. STUDY Date 1-12-66 Date ____ No. ____
Survey by L.L. BROWN Notes L.L. BROWN Notes Chkd. ____ Checked ____ X-Sec.
Indexed C. J. GALLS Date ____ Date ____ No. ____

76-L-298 CE 307 2-63

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
A						
S.S.M.H.J.C.				64 76	S.S.M.H.J.C. MEAN RIM	
						MEAN R. 64.76
						MEAS. - 8.54
						T. PIPE 56.22
						DIA. " - 0.67
				55 55	INV. 8" INLET (W)	INV. 55.55
						MEAN R. 64.76
						MEAS. -8.87
						T. PIPE 55.89
						DIA. " - 0.67
				55 22	INV. 8" OUTLET (S)	INV. = 55.22
B	N. RIM = 64.40			64 38	S.S.M.H. MEAN RIM	
S.S.M.H.	S. RIM = 64.36					MEAN R. 64.38
	MEAN R. = 64.38					MEAS. - 8.66
NOTE: INVERTS DOUBLED						T. PIPE 55.72
CHECKED						DIA. " - 0.67
				55 05	INV. 8" INLET (N)	INV. 55.05

Profile No. X-Sec. No. Notes Red Date Notes Chkd. Date Plotted Date Checked Date Job No. 3164 36 Division No. Survey of 166 ST. STUDY Survey by L.L. BROWN Notes L.L.B. Date 1-12-66 Map No. Indexed C. J. GALLI Date

F.B. 2198 PG. 231

76-L-298 CE 307 2-63

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Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.		
B				64 38	S.S.M.H. MEAN RIM	
S.S.M.H.						MEAN R. 64.38
						MEAS. -8.62
						T. PIPE 55.76
						DIA. " -0.67
				55 09	INV. 8" OUTLET (S)	INV. = 55.09
C	W. RIM = 63.67			63 68	S.S.M.H. MEAN RIM	
S.S.M.H. END	E. RIM = 63.70					MEAN R. 63.68
	MEAN R. = 63.68					MEAS. -8.81
NOTE: THIS M.H. FULL (WATER) (MEAS.) HOOKED TOP OF PIPE (MEAS.)						T. PIPE 54.87
						DIA. " -0.67 ?
UNABLE TO GET F.L.				? 54 20	? INV. 8" OUTLET (E)	INV. 54.20 ?
SILT OR OBSTRUCTION IN WAY						
B.M. No. 1				65 08	B.M. No. 1 ELEV. 65.081	F.B. 2198-227
					166TH ST. & PIONEER BLVD. S.W. COR.	
					BT. SPK. IN CURB 5° W. OF W. END C.R.	

F.B. 2198 PG. 232

Job No. 3164 36 Division No. ____ Notes Red ____ Plotted ____ Profile ____

Survey of 166TH ST. STUDY Date 1-12-66 Date ____ No. ____ X-Sec. ____

Survey by L.L. BROWN Notes L.L. BROWN Notes Chkd. ____ Checked ____ No. ____

Indexed C. J. GALLE Date ____ Date ____ Date ____

Profile No.	Notes Red	Plotted	C.I. 2368.34 Job No.	Division No. 11	F.B. 2198 Pg. 233
	Date	Date	Survey of PACKER'S AVE. (ADDITIONAL WORK)		
X-Sec. No.	Notes Chkd.	Checked	Survey by RICHARDS Notes W.A.R.	Date 2-16-66	
	Date	Date	Map No.	Indexed C. J. GALLI	Date FEB 17 '68

J.N. 2368.34

PACKERS AVE.
(ADDITIONAL WORK)

LOCATION AND INVERT ELEVATIONS IN THE EXISTING SEWER MANHOLE ON THE NORTH SIDE OF 45TH ST., AT STA. 7+85±

PRELIMINARY SURVEYS REF: FB. 2198: 50, 52
BENCH LEVEL " " " "
SURVEY DIV. INDEX NO. 4390-A

RICHARDS
BAZEN
TURRILL
SIEMANN

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

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Do not extend notes this side of this line.

PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

76-L-298 CE 307 2-63

76-L-298 CE 307 2-63

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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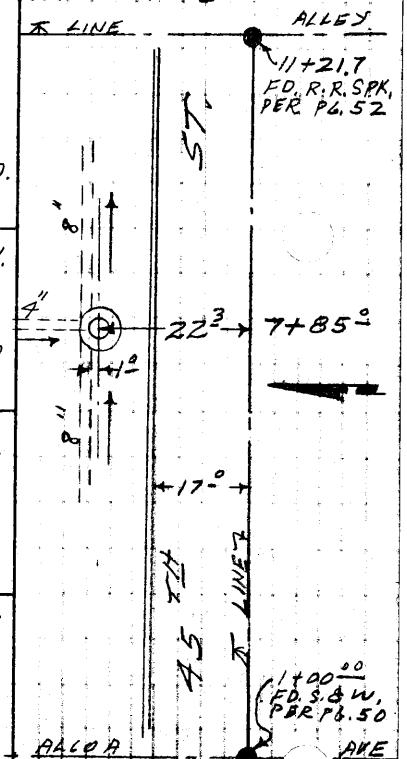
Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	45TH ST.
B.M. #3				186.26	B.M. #3 EL. = 186.257 45TH ST. (S. SIDE) @ L.&T. IN S. CB. @ E.
7+85°	S.S.J.C.			185.47	RIM.
NOTE: 8" S.S. E. & W. OFFSET 1° NLY FROM ℄ M.H.					WEST 6.47 MEAS. 185.47 RIM. 0.67 DIA. − 7.14
INVERT EL. 8" INLET WEST			(Lenker Rod)	178.33	7.14 ✓ ✓178.33 INV.
					NORTH 6.65 MEAS. 185.47 RIM 0.33 DIA. − 6.98
INVERT EL. 4" INLET NORTH				178.49	6.98 ✓ ✓178.49 INV.
					EAST 6.55 MEAS 185.47 RIM. 0.67 DIA. − 7.22
INVERT EL. 8" OUTLET EAST				178.25	7.22 ✓ ✓178.25 INV.
T.P.				185.82	
B.M. #3				✓186.26	B.M. #3 EL. = 186.257

FB. 2198-44
W. & P. R/W.
R/W LINE



20 LINES UP

F.B. 2198 Pg. 234 Job No. 236834 Division No. 11 Notes Red Plotted Profile
Survey of PACIFERS AVE. Date Date No. X-Sec.
Survey by RICHARDS Notes W.A.R. & J.J.B. Notes Chkd. D.J. Checked
Indexed L. J. GALLI Date FEB 17 '66 Date 2-23-66 Date No.

Profile No.	Notes Red	Plotted	Job No. C.I 2420.34	Division No. 11	F.B. 2198 Pg. 235
	Date	Date	Survey of ALABAMA AVE. S.S. PRELIM.		
X-Sec. No.	Notes Chkd. G. E. BARR	Checked	Survey by RICHARDS	Notes W.A.R.	Date 11-16-66
	Date NOV	Date	Map No.	Indexed G. J. GALLI	Date NOV 18

C.I. 2420.34

ALABAMA ST.

"S. S. PRELIMINARY"

LOCATIONS AND INVERT ELEVATIONS OF EXISTING S.S.M.H.S AT:

#1. ALABAMA AVE. & E. 116TH PL.

#2. ALABAMA AVE. & E. 118TH ST. (WEST)

ELEVATIONS BASED UPON ROAD DEPT. DATUM: "WATTS 1960" - FIELD ELEVATIONS

ELEV.	SURVEY DIV. INDEX # 4645
F.S.	
H.I.	RICHARDS BAZEN TURRILL BANKSON LIEBER
B.S.	
STATION	

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

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG

Do not extend notes this side of this line.

76L-298 CE 307 11-58

76L-298 CE 307 11-58

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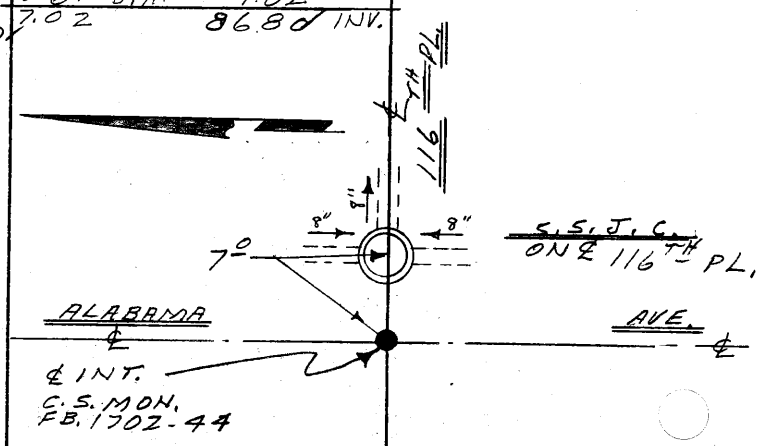
700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	ALABAMA AVE.	
					94.674	Adj.
B.M. #2				94.68	B.M. #2 ELEV. = 94.676	UNADJUSTED! FB. 3532-494
					ALABAMA AVE. & E. 116TH	PL., N.E. COR.
					L.&T. IN CONC. WK., 55'	N. & 13' E. ℄ INT.
M.H. #1	S.S.J.C.			93.82	RIM.	
INV., 8" INLET	SOUTH			86.95	SOUTH 6.20 MEAS. 93.82 RIM 0.67 DIA. - 6.87 6.87 86.95 INV.	NORTH 6.16 MEAS. 93.82 RIM 0.67 DIA. - 6.83 6.83 86.99 INV.
INV., 8" INLET	NORTH			86.99	EAST 6.35 MEAS. 93.82 RIM 0.67 DIA. - 7.02 7.02 86.80 INV.	
INV., 8" OUTLET	EAST			86.80		
B.M. #2 (ABOVE)				94.68		



F.B. 2198 Pg. 236 C.I. 2420.34
Job No. Division No. 11 Notes Red Plotted Profile
Survey of ALABAMA AVE. S.S. PRELIM. Date Date No. X-Sec.
Survey by RICHARDS Notes W.A.R. Notes Chk'd G. E. BARR Checked
Indexed C. J. GALLI Date Date NOV '68 Date No.

76L-298 CE 307 11-58

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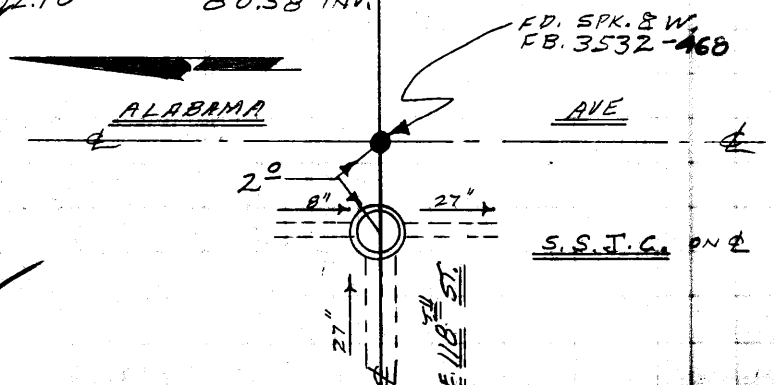
LOS ANGELES COUNTY ENGINEERING BLDG

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

Do not extend notes this side of this line.

STATION	B.S.	H.I.	F.S.	ELEV.	ALABAMA AVE
					= 92.278 UNADJUSTED
B.M. #5				92.28	B.M. #5 ELEV. = 92.284 FB. 3532-494
					ALABAMA AVE. & E. 118TH ST. (WEST)
					BT. SPK. IN CONC. DR. STRIP, 20' ± S. & 20' ± E.
					℄ INT.
M.H. #2	S.S.J.C.			92.48	RIM.
					WEST / NORTH
INV., 27" INLET WEST.				80.43	9.80 MEAS 92.48 RIM / 2.25 DIA. − 12.05 / 12.05 80.43 INV. / 10.05 MEAS 92.48 RIM / 0.67 DIA. − 10.72 / 10.72 81.76 INV.
INV., 8" INLET NORTH				81.76	SOUTH
					9.85 MEAS. 92.48 RIM / 2.25 DIA. − 12.10 / 12.10 80.38 INV.
INV., 27" OUTLET SOUTH				80.38	
B.M. #5	(ABOVE)			92.28	



Profile No. Notes Red. Plotted Date
X-Sec. No. Notes Ch. Date
C.I. 2420.34 Job No. Division No. 11
Survey of ALABAMA AVE. S.S. PRELIM.
Survey by RICHARDS Notes W.A.B. Date 11-16-66
Map No. Indexed C. J. GALLI Date
F.B. 2198 Pg. 237

F.B. 2198 Pg. 238 | 242034

Job No. _____ Division No. 11 Notes Red _____

Survey of ALABAMA AVE. S.S. PRELIM. Date _____

Survey by RICHARDS Notes W. A.R. Notes Chk. _____

Indexed _____ Date _____ Date _____

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