
GENERAL PLANNING CONSULTANT
TECHNICAL MEMORANDUM 89.4.2
DEVELOPMENT OF THE METRO RAIL PHASE II
DATA BASE FOR BENEFIT ASSESSMENT

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Southern California Rapid Transit District

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1.0 INTRODUCTION

In order for the Southern California Rapid Transit District (SCRTD) to establish Benefit Assessment Districts and rates for Phase II of Metro Rail construction, it was necessary to develop an accurate, up-to-date land use inventory for the eleven (11) station areas included in Phase II. This land use inventory required the development of a computerized data base consisting of all parcels included within the eleven Phase II station areas. Accurate data on parcel size and square footage by use on each parcel, property owners and addresses, along with other parcel specific information are contained in the data base. The data base will be used to project expected revenues, calculate assessments, and create a mailing list of property owners that will be assessed.

1.1 Purpose

The purpose of this Technical Memorandum is to document the data base development process for the Metro Rail Phase II Benefit Assessment Data Base.

1.2 Authorization

The state enabling legislation authorizing the establishment of Benefit Assessment Districts (Section 33000 et seq. of the Public Utilities Code) specifically assigns the county within which the special Benefit Assessment District is located the authority to levy and collect the special benefit assessment. This is to be done at the same time, using the same system, as the levy and collection of county taxes. The county then deducts its expenses, and transmits the balance to the SCRTD. In order for the County of Los Angeles to levy and collect the assessments, the SCRTD must provide a tape with the specific parcels to be assessed and the amount of the direct assessment due to the County Auditor-Controller. This tape must be submitted in a format compatible with the County's system.

Section 33002 of the Public Utilities Code allows for assessments to be levied on both land and improvements. The Data Base is organized in such a manner as to permit development of assessment formulae based on the square footages of the parcels, the square footages of use in certain improvements, or some combination thereof dependent on the decisions of the Benefit Assessment Task Force.

2.0 DATA BASE DEVELOPMENT METHODOLOGY

The methodology used in the development of the Metro Rail Phase II Benefit Assessment Data Base was very similar to the process employed for the MOS-1 (Minimum Operating Segment 1) Benefit Assessment Data Base. The establishment of an equitable assessment rate structure will require accurate values for parcel areas and for the square footages of building area on each parcel and disaggregated by existing land use. The only significant difference in the development of the Phase II Data Base and the MOS-1 data base was the data source for parcel area data. No changes are required in the updating procedures for the Phase II Data Base compared to the MOS-1 Data Base.

The initial data source for specific parcel area data for the Phase II Data Base was the Flood Control Data Tape from the Los Angeles County Department of Public Works. The Flood Control data source was used rather than the LUPAMS (Land Use Planning and Management System) which is managed by the Los Angeles Department of Planning, because of the limitations found in the LUPAMS system while creating the MOS-1 Data Base. LUPAMS data was limited to a single land use code and the square footage data was not sufficiently accurate.

The Flood Control data contain the parcel area and land use code for each specific parcel and are directly compatible with the files of the Los Angeles County Assessor's Office. The compatibility between the two data sources lies in the way they are linked, as they are linked together by the parcel identification number. This compatibility is necessary because the County Assessor's Office is ultimately responsible for the collection of benefit assessments for SCRTD. The Los Angeles County Assessor's Office supplied the Secured Basic File data, which includes the parcel identification number, situs address, owner of record, owner's mailing address, assessed valuation, and other parcel specific information. The Flood Control data provided the parcel area in a computerized format allowing for quick and easy data retrieval. The parcel area could then be linked to the County Tax Assessor's data by the corresponding parcel number.

Once the Phase II Data Base is fully developed and the direct assessments are completed, the direct assessments and identifying data for the Phase II Benefit Assessment Districts are transferred from IBM - PC floppy disk format to mainframe computer tape for submission to the Los Angeles County Auditor-Controller's Office. Explicit instructions for preparation of the computer tape required by the Auditor-Controller's office for inclusion on the Joint Consolidated Tax Bills for property owners are contained in the General Planning Consultants (GPC) Technical Manual 88.4.8, "Methodology for Preparing the Auditor-Controller's Tape for the MOS-1 Benefit Assessment Data Base." Although, LUPAMS was the data source for the MOS-1 Data Base, the tape preparation procedure for

the Phase II Data Base is identical since the data base file structures and data content are the same.

The data extracted from the above referenced data sources were suitable for the initial development of the Phase II data base. The verification of the accuracy of the data and the disaggregation of total parcel area into land uses was conducted through field checking the parcels that are within the legal limits of the Benefit Assessment station areas. The field checking of parcels was necessary to develop a suitable land use inventory to serve as an accurate data base for the Metro Rail Phase II Benefit Assessment Districts.

3.0 DATA BASE COMPILATION

This chapter describes the compilation of the Phase II Benefit Assessment Data Base; the identification of the station area boundary limits; and the data sources.

3.1 IDENTIFICATION OF BENEFIT ASSESSMENT STATION AREA BOUNDARIES

The basic criteria for establishing the boundaries of the eleven (11) Phase II station areas was defined by the maximum legal distance from the center of a station outside the Central Business District. Section 33001 of the Public Utilities Code, specifies that Benefit Assessment District Boundaries may extend no further than one mile from the center of a CBD station and no further than one-half mile from the center of a station outside the CBD. Based on this criteria, the Phase II station areas were designated by taking three concentric circles around the center of each proposed Metro Rail station with radii of 1/4 mile, 1/3 mile, and of 1/2 mile, respectively. These three geographic areas were used in order to maintain flexibility for establishing an equitable rate structure for assessment purposes and to determine the parcels to be included in the data base.

Refinements in the boundary definitions for the Phase II station areas may be recommended by the Phase II Benefit Assessment Task Force. If suggested refinements in boundary definitions are adopted, the modifications can be incorporated into the Phase II Data Base by adding the new parcel records or by omitting current parcel records that are within the modified boundary definitions. (See Section 4.1.2 for the procedure of obtaining new parcel records and Section 4.3.1.2.2 for the procedure on deleting records from the Data Base). At the time of this report, the station area boundaries stated above have been used in the Phase II data base development.

All parcels within the Phase II station area boundary limits were included in the data base. The term parcel is synonymous with the term mapbook-page-parcel number. This ten digit number is used by the County of Los Angeles to identify an individual property within the County and is written with lead zeroes in the following format:

MAPBOOK		PAGE		PARCEL NUMBER
XXXX	-	XXX	-	XXX

Parcel number identifications are assigned to every individual parcel in Los Angeles County. The parcel numbers are used by the County Assessor's Office and the Department of Public Works for parcel identification. Technical Memorandum 89.4.1 describes the process of how the parcel numbers and corresponding maps were used to determine which parcels were to be included in the field survey

work, how the boundaries were formed, and the development of preliminary benefit assessment areas.

3.2 DATA SOURCES

The data sources for the initial development of the Phase II Benefit Assessment Data Base came from two different Los Angeles County Public Agencies. The Los Angeles County Assessor's Office supplied the Los Angeles County Assessor's Secured Basic File (January 1988) data. The Los Angeles Department of Public Works supplied the Flood Control (March 1988) data. Both of these data sources were provided to SCRTD in the form of mainframe computer tapes.

4.0 COMPUTER FILE

This chapter describes tasks related to the development of the Phase II Data Base as a computerized file. The data extraction from computer tape, the structure of the computer file, and the data entry procedures are covered.

4.1 DATA EXTRACTION FROM COMPUTER TAPE

The data extraction from mainframe computer tape included transfer of data from computer tape to mainframe disk file, the unpacking of packed data fields (data that are in a compressed format, reducing the volume in order to conserve space on a disk). The packed data must be unpacked to be readable or for use in computations. The data is downloaded from mainframe disk file to microcomputer floppy diskette in an ASCII text file.

4.1.1 MIS SERVICE REQUEST

The data conversion transfer task is performed by the SCR TD Management Information Systems (MIS) and Data Processing Department personnel once they have received and approved a MIS service request. An SCR TD MIS service request is needed in order to transfer the Tax Assessor's data and Flood Control data in a format that can be used on a microcomputer. To use the data on a microcomputer it must be transferred from the mainframe computer tapes to an IBM-PC text file (ASCII) format.

4.1.2 DATA EXTRACTION

Parcels applicable to the Phase II stations were determined by developing ranges from the County Assessor's maps. When the data were extracted from computer tape to mainframe disk file, MIS applied a computer program that would only extract data from the computer tape if the data record was in a specific parcel number range. By extracting data records for parcel number ranges within a one-half mile radius of Phase II stations, the size of the mainframe disk file for download was kept to a minimum. By only including data necessary for the Phase II stations, the microcomputer data base record number is a more manageable and efficient size. Based on the enabling legislation, parcel records within the one-half mile radius from the station centers will include all possible parcel records that can be included in a Benefit Assessment District outside the CBD. A mainframe file containing the Phase II Benefit Assessment parcel number ranges was created for MIS to use in the program for the tape data extraction.

Some data fields in both the Tax Assessor's and Flood Control computer tapes contained packed data. MIS applied a COBOL computer program to perform the unpacking of the packed data fields in order to perform data manipulations. The unpacking of packed data fields

increased the width of the fields. The Tax Assessors file increased from 886 bytes to 900 bytes once the 3 packed fields were unpacked. The Flood Control file increased from 150 bytes to 179 bytes once the 7 packed fields were unpacked. The packed fields from both the Tax Assessor's and Flood Control files are listed below.

TAX ASSESSOR'S FILE

<u>Field</u>	<u>Packed</u>	<u>Unpacked</u>
Tax Rate Area	4 bytes	8 bytes
Situs Zip Code	5 bytes	10 bytes
Mailing Zip Code	5 bytes	10 bytes

FLOOD CONTROL FILE

<u>Field</u>	<u>Packed</u>	<u>Unpacked</u>
Area of Parcel (Acres)	4 bytes	8 bytes
EDU's (not used in final structure)	5 bytes	10 bytes
Billable Amount (not use in final structure)	4 bytes	8 bytes
Tax Rate Area (not used in final structure)	3 bytes	6 bytes
Land Value (not used in final structure)	5 bytes	10 bytes
Improvement Value (not used in final structure)	5 bytes	10 bytes
Julian Date of Change (not used in final structure)	3 bytes	6 bytes

Once the Tax Assessor and Flood Control tape data had been transferred from tape to a mainframe disk file, and all packed data

fields unpacked, MIS contacted the SCRTD Data Processing Department to perform the download. The download is the procedure of obtaining the tape file data from the Tax Assessors and Flood Control on floppy disks. The process is the following: MIS loads the tape file onto the mainframe as a mainframe disk file. MIS runs the program to extract only the parcel records that are requested - the parcels within a one-half mile radius of station center. MIS uses a file that contains the parcel ranges that are requested as input to the program. The file is a sequential file containing the "to" and "from" parcel ranges. The parcel numbers are 10 characters in length and are made up of the complete parcel mapbook, page, and parcel number. The file format consist of the 10 digit "from" parcel number, a single space, and the 10 digit "to" parcel number. The file contains a record for each parcel range that is requested. MIS uses this file with their program to extract the requested parcels, and writes them to a mainframe disk file. Next, MIS unpacks the packed data fields. Once the data fields are unpacked, the files (one for Tax Assessor, one for Flood Control) are ready to be downloaded from the mainframe to floppy disk. SCRTD Data Processing performs these tasks.

Because of the large size of the mainframe files, the download process involves backing up from the mainframe disk files to several 5 1/4" floppy disk. The mainframe disk file was downloaded to floppy disks as an ASCII text file. Obtaining the data in ASCII format allows for the transfer of data to a microcomputer. These disks were loaded onto a 30 megabyte hard disk, IBM PC/XT compatible computer system. The backed up Tax Assessor's and Flood Control files are then restored onto a microcomputer hard drive (See 4.3.1.1).

4.2 FILE STRUCTURE

To develop the computerized data base file, a computer software package for the storage, retrieval, and manipulation of the parcel records was necessary. The software package dBASE III Plus was chosen as it will run on an IBM PC/XT or compatible system.

A dBASE III Plus file structure containing the total width of the data records in the ASCII text files had to be created for appending the data into a data base file. The dBASE III Plus APPEND command allows for the adding of new records to the end of a database file. Data is added from one file into another file. Data is appended from the ASCII text files to dBASE III Plus data base files. Data from both the Tax Assessor's and Flood Control text files are appended into two separate data base files. The procedure used for the appending process, the data base file structures, and construction for the appending procedure is described in Section 4.3.1.

The flexibility of the dBASE III Plus system permits the appending of additional parcel records and additional fields as usefulness

to the Benefit Assessment Data Base becomes apparent. Each parcel record within the Phase II Data Base contains 63 fields which are listed below and defined in Appendix A.

Phase II Benefit Assessment Data Base Structure:

Field	Field Name	Type	Width
1	PARCELNO	Character	10
2	SPCLNO	Character	10
3	PRCLNO_BK	Character	4
4	PRCLNO_PG	Character	3
5	PRCLNO_PCL	Character	3
6	CENSTRACT	Character	6
7	CENSBLOCK	Character	5
8	TAXAREA	Character	8
9	AGENCYNO	Character	6
10	LAND_YR1	Character	2
11	LAND_VAL1	Numeric	9
12	IMPRV_YR1	Character	2
13	IMPRV_VAL1	Numeric	9
14	BAD_DIST	Character	2
15	BAD_ZONE	Character	1
16	BAD_ASSESS	Numeric	10
17	SITUS_NUMB	Character	5
18	SITUS_FRAC	Character	3
19	SITUS_DIR	Character	1
20	SITUS_STRT	Character	32
21	SITUS_UNIT	Character	8
22	SITUS_CITY	Character	24
23	SITUS_ZIP	Character	10
24	MAIL_NUMB	Character	5
25	MAIL_FRAC	Character	3
26	MAIL_DIR	Character	1
27	MAIL_STRT	Character	32
28	MAIL_UNIT	Character	8
29	MAIL_CITY	Character	24
30	MAIL_ZIP	Character	10
31	ASSESOWN1	Character	32
32	ASSESOVRFL	Character	32
33	ASSESSP_LG	Character	5
34	ASSESSP_NM	Character	32
35	ASSESOWN2	Character	32
36	OWNCHGDATE	Character	6
37	ZONING	Character	15
38	PRCLARAC	Numeric	9
39	ASSOR_CODE	Character	4
40	U_PRCLTOTL	Numeric	8
41	U-OFFICE	Numeric	7
42	U-HOTEL	Numeric	7
43	U_RETREST	Numeric	7
44	U_SERVICE	Numeric	7

45	U_INDUWARE	Numeric	7
46	U_GARAGE	Numeric	7
47	U_PARKING	Numeric	7
48	U_VACLAND	Numeric	7
49	U_INSTGOV	Numeric	7
50	U_RESIDEN	Numeric	7
51	U_INSTLAND	Numeric	7
52	U_NONPROF	Numeric	7
53	U_VACODE	Numeric	7
54	U_RESHOTEL	Numeric	7
55	U_SOURCE	Character	10
56	U_NOTES	Character	10
57	U_UPDATE	Character	8
58	LSTSALE1_K	Numeric	1
59	LSTSALE1_V	Numeric	9
60	LSTSALE1_D	Character	6
61	EXPCLAIM	Character	1
62	SITUSOWNR	Character	32
63	SITUSOVRFL	Character	32

The Assessor's Mapbook number (Field #1, PARCELNO) (book-page-parcel) was used as the primary identification for each parcel. Specific parcel records were accessed through a dBASE index utilizing these mapbook numbers.

4.3 DATA ENTRY

The three methods of data entry are described as follows:

- o Direct transfer from the downloaded computer tapes (See Section 4.3.1)
- o Computer generation and other miscellaneous methods (See Section 4.3.2)
- o Manual entry of field check/survey data (See Section 4.3.3)

4.3.1 Direct Transfer from the Downloaded Computer Tapes

4.3.1.1 Set Up File Structure

A dBASE III Plus file structure for both the Tax Assessor's and Flood Control data base working files had to be created for appending the data into their respective data base files. These file structures are displayed below. The combined field widths for each file had to be equal to the total width of the data records in the corresponding ASCII text files. The APPEND command copies records from an existing file (the Tax Assessors and Flood Control text files) to the end of an active data base file (the Tax Assessor's and Flood Control data base working files). The "from"

file (the text files) does not have to be a data base file. If the "from" file is not a dBASE III Plus data base file, the file type must be specified. (This is outlined below.) The APPEND command expects the incoming data (the data of the text file) to have a matching format of the data base file structure. For each record, the data are appended into the active data base file into the same column that it is in the text file. If the file structure of the data base file does not contain the total width of the text file, the data that are beyond the total width are truncated.

The Los Angeles County Assessor's Secured Basic File Abstract Data Definitions were used to define the location of the data items in the Tax Assessor's ASCII text file (See Appendix B). A data specification sheet from the Department of Public Works was obtained to define the position of data items on the Flood Control ASCII text file (See Appendix C). Utilizing the data specification information, relevant field names and field widths were positioned to the corresponding location of the Tax Assessor's and Flood Control data base working file structures. Temporary field names (XXX_#) were created for data items that would not be included in the Phase II Data Base (See Data Base Working File Structure below). The temporary fields are deleted after the data is appended into the dBASE III Plus data base files.

STRUCTURE IN TAX ASSESSOR'S WORKING DATA BASE

<u>Field</u>	<u>Field Name</u>	<u>Type</u>	<u>Width</u>
1	PRCLNO_BK	Character	4
2	PRCLNO_PG	Character	3
3	PRCLNO_PCL	Character	3
4	TAXAREA	Character	8
5	AGENCYNO	Character	6
6	LAND_YR1	Character	2
7	LAND_VAL1	Numeric	9
8	IMPRV_YR1	Character	2
9	IMPRV_VAL1	Numeric	9
10	SITUS_NUMB	Character	5
11	SITUS_FRAC	Character	3
12	SITUS_DIR	Character	1
13	SITUS_STRT	Character	32
14	SITUS_UNIT	Character	8
15	SITUS_CITY	Character	24
16	SITUS_ZIP	Character	10
17	MAIL_NUMB	Character	5
18	MAIL_FRAC	Character	3
19	MAIL_DIR	Character	1
20	MAIL_STRT	Character	32
21	MAIL_UNIT	Character	8
22	MAIL_CITY	Character	24
23	MAIL_ZIP	Character	10

24	ASSESOWN1	Character	32
25	ASSESOVRFL	Character	32
26	ASSESSP_LG	Character	5
27	ASSESSP_NM	Character	32
28	ASSESOWN2	Character	32
29	OWNCHGDATE	Character	6
30	XXX_1	Character	14
31	ZONING	Character	15
32	ASSOR_CODE	Character	4
33	XXX_2	Character	6
34	EXPCCLAIM	Character	1
35	XXX_3	Character	76
36	LSTSALE1_K	Character	1
37	LSTSALE1_V	Numeric	9
38	LSTSALE1_D	Character	6
39	XXX_4	Character	32
40	BLDIMP1SUB	Character	4
41	BLDIMP1TYP	Character	4
42	BLDIMP1XXX	Character	14
43	BLDIMP1SQF	Numeric	7
44	BLDIMP2SUB	Character	4
45	BLDIMP2TYP	Character	4
46	BLDIMP2XXX	Character	14
47	BLDIMP2SQF	Numeric	7
48	BLDIMP3SUB	Character	4
49	BLDIMP3TYP	Character	4
50	BLDIMP3XXX	Character	14
51	BLDIMP3SQF	Numeric	7
52	BLDIMP4SUB	Character	4
53	BLDIMP4TYP	Character	4
54	BLDIMP4XXX	Character	14
55	BLDIMP4SQF	Numeric	7
56	BLDIMP5SUB	Character	4
57	BLDIMP5TYP	Character	4
58	BLDIMP5XXX	Character	14
59	BLDIMP5SQF	Numeric	7
60	XXX_5	Character	240

STRUCTURE FOR FLOOD CONTROL WORKING DATA BASE

<u>Field</u>	<u>Field Name</u>	<u>Type</u>	<u>Width</u>	<u>Dec</u>
1	PRCLNO_BK	Character	4	
2	PRCLNO_PG	Character	3	
3	PRCLNO_PCL	Character	3	
4	ASSOR_CODE	Character	4	
5	PRCLARAC	Numeric	9	4
6	XXX_1	Character	1	
7	SPLITPRL_K	Character	2	
8	SPLITPRL_C	Character	2	
9	SITUS_NUMB	Character	5	

10	SITUS_STRT	Character	32
11	SITUS_ZIP	Character	5
12	SITUS-CITY	Character	24
13	SITUSOWNER	Character	32
14	XXX_2	Character	18
15	TAXAREA	Character	6
16	XXX_3	Character	30

Utilizing the dBASE III Plus create command, a file structure was created for both the Tax Assessor's data and Flood Control data. Development of the initial data base working files for appending the Tax Assessor's and Flood Control ASCII text files are described as follows:

- o Create the structure for the initial Tax Assessor's data working file.

.CREATE ASESOR

When the structure appears on the screen, enter the appropriate field name, type, and width. When all fields have been entered, press "CTRL-END" to save the file structure.

- o Create the structure for the initial Flood Control data working file.

.CREATE FLOOD

Follow the same procedure as the Tax Assessor's file for the Flood Control file.

Once the file structures have been created, the data from the ASCII text files can be appended into the working data base files. The dBASE III Plus procedure to append this data is as follows:

- o Restore the Tax Assessor's and Flood Control data ASCII text files from floppy disk to the hard drive (i.e. Drive C) of the microcomputer. (Assume Tax Assessor file is named ASSESS.TXT and Flood Control file is named FLOOD.TXT and the floppy drive of the computer is Drive A.)

-C:>RESTORE A: C:*.*

- o To append the data from the assessor text file to the ASESOR.DBF working file, assuming the text file (ASESOR.TXT) is located on Drive C:

.USE ASESOR
.APPEND FROM C:\ASESOR.TXT TYPE SDF

"SDF" stands for "System Data Format" ASCII file. This is the file type of an ASCII and text file.

- o To append the data from the Flood Control text file to the FLOOD.DBF working file, assuming the text file (FLOOD.TXT) is located on Drive C:

```
.USE FLOOD
.APPEND FROM C:\FLOOD.TXT TYPE SDF
```

4.3.1.2 MERGING TAX ASSESSOR'S AND FLOOD CONTROL DATA

In order to merge data from the two working data base files (ASESOR.DBF AND FLOOD.DBF), a relationship between the two files must be established. The relationship is established by a common field in both data base files.

4.3.1.2.1 Creation of Parcel Number Field

A new field to hold each record parcel number (a combination of mapbook number, page number, and parcel number) was created in both the Tax Assessor's and Flood Control data base files. This field (PARCELNO) relates the two database files for the purpose of merging specific data items. The parcel number (PARCELNO) is the primary identification number assigned to each parcel of land, consisting of the complete mapbook, page, and parcel character fields without intervening spaces (10 digits). This field is useful within the Phase II Data Base for the purpose of indexing. An index file is a special purpose file that relates a particular item of the data base to each data base record number. Each record in the data base file will have an associated index. The index for the data base file is used as a key to sort or relate data base files, and is sorted in ascending order. Section 4.3.1.2.2 shows the creation and use of an index file. The dBASE III Plus commands for creating the parcel number fields are as follows:

- o Create parcel number field in Tax Assessor data base file

```
.USE ASESOR
.MODIFY STRUCTURE
```

Once the structure appears on the screen, position the cursor in the top most field and Press "CTRL-N". This will insert a blank field. Enter the correct field (PARCELNO) name, type (character), width (10). Press "CTRL-END" to save the modification to the ASESOR.DBF structure.

Repeat this process for the Flood Control file.

```
.USE FLOOD  
.MODIFY STRUCTURE
```

- o To insert the correct parcel number in the newly created PARCELNO field for each database file by combining the parcel number book, page, and parcel character fields.

- Tax Assessor database:

```
.USE ASESOR  
.REPLACE ALL PARCELNO WITH PRCLNO_BK + PRCLNO_PG +  
PRCLNO_PCL
```

- Flood Control database

```
.USE FLOOD  
.REPLACE ALL PARCELNO WITH PRCLNO_BK + PRCLNO_PG +  
PRCLNO_PCL
```

4.3.1.2.2 Merge Parcel Area Into ASESOR Data Base File

The Flood Control Data Base contains a field with the parcel area (PRCLARAC) in acres which has to be transferred into the Tax Assessor Data Base file. A field with the same name is created in the Tax Assessor Data Base. Only the parcel area field from the Flood Control Data Base is transferred. A relationship between the two working data base files based on the parcel number is set up and the parcel area (PRCLARAC) data from the Flood Control Data Base are input into the Tax Assessor Data Base field PRCLARAC by the corresponding parcel number. In order to set the relationship between the two working data base files, an index is created for the Flood Control Data Base. The dBASE III Plus commands for creating this index and merging the parcel area data from the Flood Control Data Base to the Tax Assessors Data Base are as follows:

- o To create an index on parcel number for the Flood Control Data Base.

```
.USE FLOOD  
.INDEX ON PARCELNO TO PARDEX  
(PARCELNO is the field which contains parcel numbers and  
PARDEX is the name assigned to the data base index)
```

A relationship between the two data base files is established with the parcel number of each data record. Once the FLOOD.DBF is indexed, a relation is set on to the PARCELNO field in order to merge the parcel area data from the FLOOD.DBF file into the data record with the corresponding parcel number into the ASESOR.DBF file. Alias names are assigned to both data base files which allows for referencing each file by an alternative data base file

name. The alternative name is then used for each data base file with the replace command. The alias name is used for referencing purposes within the command structure. The dBASE III Plus commands for merging the parcel area data are as follows:

- o To merge parcel area data (PRCLARAC) from FLOOD.DBF into ASESOR.DBF.

```
.SELECT 1
.USE FLOOD ALIAS A
.SET INDEX TO PARDEX
.SELECT 2
.USE ASESOR ALIAS B
.SET RELATION TO PARCELNO INTO A
.REPLACE ALL B->PRCLARAC WITH A->PRCLARAC
```

After the parcel area data are input to the Tax Assessor's Data Base, the Flood Control Data Base is no longer used. The Flood Control Data Base can be kept as a back up for the parcel area data, to be used if the ASESOR.DBF were to be inadvertently damaged or deleted. This back up would eliminate the need for recreating the FLOOD.DBF if the entire data base development process had to be repeated for unforeseen reasons. The Tax Assessor data base contains all fields from both data sources that are used to compute assessable square feet and assessment rates for the Phase II station areas.

The data base structure can be modified and records can be added (APPEND COMMAND) or deleted to the data base file if the need exists. The data base file structure can be modified by the addition of new fields (see Section 4.3.1.2.1 instructions on modifying the file structure) or by the deletion of existing fields within the file structure. The dBASE III Plus commands for deleting fields in a data base structure are as follows:

```
.USE ASESOR
.MODIFY STRUCTURE
```

Once the structure appears on the screen, position the cursor on the field to be deleted and press "CTRL-U". This will delete the field from the structure. Press "CTRL-END" to save the modifications to the data base structure.

The dBASE III Plus commands for deleting records in a data base file are as follows:

```
.USE ASESOR
.DELETE RECORD _____ (Where _____ is the record
                           number to mark for deletion)
.PACK (Pack is the command which deletes the record)
```

4.3.2 COMPUTER GENERATED

Data items for some of the fields in the Phase II Benefit Assessment Data Base were generated or manipulated by the computer. The parcel area data (PRCLARAC-field #38) is an example of a field that has been manipulated. The parcel area data is a packed data field on the Flood Control computer tape. When the field is unpacked and appended into the data base file it is not in the correct format. The field containing the parcel area is assigned a decimal point four places to the right of the first position in the field. After the decimal place is assigned, the parcel area is divided by 10,000 to convert it to the correct format for conversion into square feet. The dBASE III Plus commands for this are as follows:

```
.USE ASESOR  
.REPLACE ALL PRCLARAC WITH PRCLARAC/10000
```

The field which contains the total size of the parcel in square feet (U_PRCTOTL-field#40) is a field which is computer generated. This field is generated by converting the parcel area to square feet from acres. The parcel size in acres (PRCLARAC-field#38) is multiplied by a conversion constant (43560) and the result is placed in the field that holds the total size of the parcel in square feet (U_PRCLTOTL). The conversion formula is the following:

$$\text{parcel area (acres)} \times 43560 = \text{parcel area (square feet)}$$

To computer generate this field (U_PRCTOTL), use the dBASE III Plus commands as follows:

```
.REPLACE ALL U_PRCLTOTL WITH PRCLARAC * 43560
```

The Tax Assessor Data Base File (ASESOR.DBF) is now modified to the file structure for the Phase II Benefit Assessment Data Base (see Section 4.2 for this structure). To modify the ASESOR.DBF file structure to its final form, the data base file structure in Section 4.2 was created. The name of the file is BADD2.DBF. The dBASE III Plus procedure for creating this structure is as follows:

- o create the structure for the Phase II Benefit Assessment Data Base file.

```
.CREATE BADD2
```

When the structure appears on the screen, enter the appropriate field name, type, and width. When all fields have been entered, press "CTRL-END" to save the file structure.

The data from the Tax Assessor's Data Base Working File (ASESOR.DBF) is now appended into the BADD2.DBF data base file.

Only the field names common to both data base files are appended, so the fields in the Tax Assessor file that contain data not necessary for the Phase II Benefit Assessment data base, are not appended. The dBASE III Plus procedure to append the ASESOR.DBF to the final file structure is as follows:

```
.USE BADD2  
.APPEND FROM ASESOR
```

Once assessment rates are determined for specific nonexempt uses, assessment calculations will be computer generated.

4.3.3 MANUAL ENTRY OF LAND USE/DATA COLLECTION SURVEYS

Seventeen fields of the Phase II Benefit Assessment Data Base are used to enter the results of the land use and data collection surveys that are described in Technical Memorandum 89.4.1. These data are entered item by item into the appropriate land use category field (see Appendix F) of the database. The manual entry process is the most time consumptive of the data entry methods.

The seventeen fields (41-57; See Section 4.2) for manual data entry are the square footages of improvements assigned by land use category. The square footage for the land use categories is taken from the field use worksheets (See Appendix D) and entered into the corresponding use field of the data base. The data entry of the land use categories into the use fields was done with data entry forms to protect all other fields of the data records from being altered. The data entry forms are customized entry forms used to edit the use fields in the Phase II Benefit Assessment Data Base file. Only the use fields can be modified through the data entry forms. Appendix E shows the data entry form that was used for the manual entry of the land use data.

APPENDIX A

PHASE II BENEFIT ASSESSMENT DATA BASE
FIELD DIRECTORY

APPENDIX A
Phase II BENEFIT ASSESSMENT DATA BASE FIELD DIRECTORY

<u>Data Base Field Name</u>	<u>Type of Field</u>	<u>Length of Field</u>
1. PARCELNO	Character	10 Characters
<p><u>Parcel number</u> - The primary identification number assigned to each parcel of land, consisting of the complete mapbook, page, parcel character fields without intervening spaces (10 digits). The number is assigned by the Assessor's Office to facilitate locating every parcel of the assessment records and each parcel number is unique at any point in time. This field is useful within the benefit assessment data base for indexing, batch updating without the necessity of having direct access to the main data base (batch updating can be done to sub-data base files of the benefit assessment data base that contain fields that are not common to both data base files. This is done when preparing the auditor-controller's tape. [See Tech. Manual 88.4.8]), and for automated comparisons of field contents between the Benefit Assessment District Data Base and subsequent Assessor's tapes.</p>		
2. SPCLNO	Character	10 Characters
<p><u>Situs Parcel Number</u> - Used only for possessory interest properties. Parcel number (PARCELNO) of the secured parcel associated with the possessory interest property.</p>		
3. PRCLNO_BK	Character	4 Characters
<p><u>Mapbook</u> - The mapbook number assigned by the Assessor's Office. Mapbook numbers are added or dropped as the Assessor's Office sees the need. There is a special Thomas Brothers Map Guide for Los Angeles County indexed to the mapbook locations.</p>		
4. PRCLNO_PG	Character	3 Characters
<p><u>Mapbook page</u> - The mapbook page number assigned by the Assessor's Office.</p>		
5. PRCLNO_PCL	Character	3 Characters
<p><u>Mapbook parcel</u> - The mapbook parcel number assigned by the Assessor's Office. The parcel number range assigned indicates type of ownership for each parcel as follows:</p>		
1 through 269	Indicates private ownership	
270 through 299	Public Entity Properties	Outside Their Boundaries
300 series	Unpatented Lands (Federally Owned)	

400 series	Orange Codes ¹
500-799	Internal use codes
800 series	State Board of Equalization Assessed Properties
900 series	Exempt Properties (City and other Public Agencies Ownership)

6. CENSTRACT Character 6 Characters

Census Tract Census Tract Number

7. CENSBLOCK Character 5 Characters

Census Block - Census Block Number within the Census Tract

8. TAXAREA Numeric 8 Characters

Tax Rate Area - A four digit code indicating the geographical area for which a tax rate pertaining to the parcel is applicable.

9. AGENCYNO Numeric 6 Characters

Agency Classification Number - The six digit code identifying the assessee agency of a public-owned parcel. The first three digits represent a general category and the remaining 3 digits represent specific agencies within a category. If a parcel is privately owned, this field contains zeros.

10 LAND_YR1 Character 2 Characters

The last two digits of the tax year for which a valuation of the land was calculated. For example, 86 in this field indicates that the assessed values were calculated for the tax year 1985-86.

11 LAND_VAL1 Numeric 9 Characters

The assessed value of the land in the parcel, up to a maximum of \$999,999,999.

12 IMPRV_YR1 Character 2 Characters

Represents the Assessment Roll year (the year the assessment is being made) of the improvement value and when a change in value was last made, not including the current year.

¹ Orange Codes identify a property within a redevelopment district for which tax money does not go to the redevelopment district, i.e., the property is taxed as private property.

13 IMPRV_VAL1 Numeric 9 Characters

The assessed dollar value of the improvements on the parcel, up to a maximum of \$999,999,999. If there has been no change in the improvement value since the previous assessment roll, the improvement value 1 is the same as the current improvement value on the Assessor's Secured Basic File.

14 BAD_DIST Character 2 Characters

A two digit code indicating the Benefit Assessment District within which the parcel is located.

15 BAD_ZONE Character 1 Character

Not used.

16 BAD_ASSESS Numeric 10 Characters

The total Benefit Assessment levied on the parcel, based on the rates applied to the square footage of the various uses located on the parcel.

For example, for MOS-1 the assessment rate was .30 per square foot, therefore .30 x the parcel size in square feet (U_PRCLTOTL) is the value for this field. The dBASE III Plus command are as follows.

```
.USE BADD2  
.REPLACE ALL BAD_ASSESS WITH U_PRCLTOTL * .30
```

Once the assessment rates are determined for Phase II, this procedure will be used with .30 being replaced with the corresponding Phase II assessment rate for that parcel. Note: Exceptional circumstances for some properties and limitations to the field length by the Assessor's system required special handling of the assessments for some properties, including the manual creation of assessment bills (see also Field 57 U-NOTES, code 'K').

17 SITUS_NUMB Character 5 Characters

The house number portion of the situs address. The situs address is assigned by the Assessor's Office to represent a parcel of land. The numeric portion may or may not coincide with the numeric portion of the mailing address which usually relates to the location of the main entrance of any buildings on the site.

18 SITUS_FRAC Character 3 Characters

The fractional part of the numeric portion of the situs address, e.g., 1/2.

19 SITUS_DIR Character 1 Character

A one character indicator for the street direction associated with the situs address, i.e., N = north, S = South, E = east, W = west.

20 SITUS_STRT Character 32 Characters

The street name associated with the situs address, including such suffixes as 'ST', 'Blvd', 'AVE', etc.

21 SITUS_UNIT Character 8 Characters

The name or number of a subunit of the situs address, e.g., 'APT 3'.

22 SITUS_CITY Character 24 Characters

The city and state within which the parcel is located.

23 SITUS_ZIP Character 10 Characters

The zip code for the parcel location.

24 MAIL_NUMB Character 5 Characters

The numerical part of the mailing address. This is the address used for generation of the mailing lists and address labels for all correspondence regarding the property.

25 MAIL_FRAC Character 3 Characters

The fractional part of the numerical portion of the mailing address, e.g., 1/2.

26 MAIL_DIR Character 1 Character

A one character indicator for the street direction associated with the mailing address, i.e., N = north, S = south, E = east, W = west.

27 MAIL_STRT Character 32 Characters

The street name associated with the mailing address, including such suffixes as 'ST', 'AVE', 'BLVD', etc.

28 MAIL_UNIT Character 8 Characters

The name or number of a subunit of the mailing address, e.g., 'APT 3'.

29 MAIL_CITY Character 24 Characters

The city and state of the mailing address.

30 MAIL_ZIP Character 10 Characters

The zip code of the mailing address.

31 ASSESOWN1 Character 32 Characters

The name of the first owner assessee as of the previous lien date (March 1). Entered with the family name in the first position. See ASSESOWN2 for the second owner, only two owner assessee names are provided for by the file.

32 ASSESOVRFL Character 32 Characters

This field contains any overflow from the first owner assessee field.

33 ASSESSP_LP Character 5 Characters

The character field containing any of the following codes indicating the type of special name present for the owner assessee:

DBA	Doing Business As
c/o	In Care Of
TR #	Trust Number
SPACES	

34 ASSESSP_NM Character 32 Characters

A special name assessee associated with the mailing address where tax bills are mailed. This name may be the same as the situs or property address; however, it may be the name of a Savings and Loan, Trust No. etc.

35 ASSESOWN2 Character 32 Characters

The name of the second owner assessee as of the previous lien date (March 1). Entered with the family name in first position.

36 OWNCHGDATE Character 6 Characters

The date of the last change or correction of ownership. Formatted as YY/MM/DD, e.g., 810716 is July 16, 1981.

37 ZONING Character 15 Characters ASSRT

The first two characters identify the city within which the parcel is located, e.g., 'LA' = Los Angeles.

The third character indicates general use as in the following examples:

R = residential	C = commercial
M = industrial	A = agricultural

The fourth through fifteenth characters generally represent either the intensity or limit of a property's use; or, in the case of a dash, it is used to separate multiple zones or height districts.

NOTE: Sometime prior to three years ago, the Assessor's file had

only six characters for zoning--the first two indicated city, the next four were the zone. The symbols YY indicated blanks, e.g., LAC2YY. When there was more than one zone involved, the symbol VV was used as in LAC2VV for a parcel in which many zones were involved. Some of these records are still on file and the new fifteen digit character code is only added when there is a new zone change on the page.

38 PRCLARAC Numeric 9 Characters with decimal point 4 places to the right of the first character.

The total parcel size in acres

39 ASSOR_CODE Character 4 Characters
Tax Assessor Use Code for a parcel, regardless of zoning. The first character identifies the general use classification, e.g., 0 = residential 1 - commercial, etc. The second character further defines the type of property within the context of the general classification, e.g., 1100 for commercial store, 1400 for supermarket, etc. The third and fourth characters indicate special features of the parcel. (See Appendix F for property use classification codes.)

note: the assessor use code is not always current land use. It may be the intended use of the original building.

40 U_PRCLTOTL Numeric 8 Characters

The total size of the parcel in square feet. Original data was entered by converting parcel size in acres from the Flood Control tape multiplied times a conversion constant (43560). Updated or new parcel square footage is calculated from the Assessor's map dimensions and from the data collection surveys (See Appendix E) and the alpha code 'J' is entered in FIELD 55 U_SOURCE.

41 U_OFFICE Numeric 7 Characters

The square footage of building improvements used as offices.

42 U_HOTEL Numeric 7 Characters

The square footage of building improvements used as hotel or motel accommodations.

43 U_RETREST Numeric 7 Characters

The square footage of building improvements used as commercial, retail, restaurant, or other food service.

44 U_SERVICE Numeric 7 Characters

The square footage of improvements in use for service related

concerns, including the following:

service stations
barber shops/beauty salons
for profit schools and colleges
lodge halls, private clubs, union halls
for profit hospitals, nursing homes
for profit museums

45 U_INDUWARE Numeric 7 Characters

The square footage of building improvements used for industrial, warehouse, or wholesale use. This field should be reviewed on an annual basis to determine if the parcel's classification has changed from an exempt to a non-exempt property. The parcels that contain this use can be reviewed by pulling all records with an industrial property use classification code. (See Appendix F for the property use classification code.)

46 U_GARAGE Numeric 7 Characters

The square footage within a structure used as parking or garage.

47 U_PARKING Numeric 7 Characters

The square footage of land area used as surface parking. In most cases, when the lot is otherwise unimproved, Field 47 U_PARKING = Field 40 U_PRCLTOTL.

48 U_VACLAND Numeric 7 Characters

The square footage of the parcel when the entire parcel is unimproved; therefore, by definition, this is an exclusive use category and is never used in combination with other uses for a given parcel.

49 U_INSTGOV Numeric 7 Characters

The square footage of improvements in non-profit or governmental agency use and also owned by a non-profit or governmental agency. The square footage in this category is not assessed. Square footage in governmental or institutional use, not owned by a governmental or non-profit agency, is entered into Field 44 U-SERVICE. The square footage in this Field is assessable. This field should be reviewed on an annual basis to determine if the parcel's classification has changed from an exempt to a non-exempt property. The parcels that contain this use can be reviewed by pulling all records with a governmental agency property use classification code. (See Appendix F for the property use classification code.)

50 U_RESIDEN Numeric 7 Characters

The square footage of improvements in use as private residences,

including single-family, duplex, multi-family apartments, condominiums, residential hotels, etc., and associated improvements. This field should be reviewed on an annual basis to determine if the parcel's classification has changed from an exempt to a non-exempt property. The parcels that contain this use can be reviewed by pulling all records with an residential property use classification code. (See Appendix F for the property use classification code.)

51 U_INSTLAND Numeric 7 Characters

The square footage of land area in non-profit or governmental agency use and also owned by a non-profit or governmental agency. Or, the square footage of land used exclusively as support for residential property, e.g., parking or open space. The square footage in this field is exempt. This field should be reviewed on an annual basis to determine if the parcel's classification has changed from an exempt to a non-exempt property. The parcels that contain this use can be reviewed by pulling all records with a non-profit or governmental agency use classification code. (See Appendix F for the property use classification code.)

52 U-NONPROF Numeric 7 Characters

The square footage of improvements in non-profit use and also owned by a non-profit agency as certified by the Benefit Assessment appeals process. All non-profit parcels are included in field 49, and if certified by the Benefit Assessment appeals process, then switched over to this field.

53 U-VACODE Numeric 7 Characters

The square footage of improvements which may not be occupied because of Building and Safety Code requirements. Square footage in this field are determined by the Benefit Assessment Appeals process.

54 U_RESHOTEL Numeric 7 Characters

The square footage of improvements in Residential-Hotel use as certified by annual review by the Benefit Assessment Office. All residential hotels parcels are included in field 50, and if certified by the Benefit Assessment Office, then switched over to this field.

55 U-SOURCE Character 10 Characters

Single digit characters codes entered into this field act as flags and or keys to code information regarding the source of the data entered into the data base. These characters may be entered into any position and in any sequence. Searches may be made to locate the presence of any flagged parcel or set of parcels within the data base set. (See Appendix E for a hand copy of the data entry form which denotes the data source.)

The flags used for the U-SOURCE field are as follows:

- A Building and Safety records; direct transfer of data
- B Computed from dimensions govern on Building and Safety records
- C Computed from Building and Safety plot plan
- D Field observation; includes estimates based on field check
- E Sanborn map scaling used for calculation; may be indicated as by scale
- F Assessor's property data record used
- G Building and Safety data adjusted by Sanborn scale and/or field observation
- H Flood Control parcel data converted from acres to square feet;
A - system on worksheet
- J Assessor's map dimensions used to calculate parcel size
- K Coldwell-Banker data
- M Building manager as source; other information unavailable
- W Benefit Assessment Appeals process

note: multiple codes may be used as necessary

56 U_NOTES Character 10 Characters

Characters entered into this field, which may be in any sequence or position, indicate notations about the parcel that may be of temporary or permanent use in maintaining the record. It is into this field that various kinds of "flags" can be entered, so as to be able to retrieve records having several kinds of characteristics.

The flags in use for the data base are as follows:

- B condominium
- C building under construction on parcel or demolition
- G airspace
- H park
- J loading dock
- K parcel requires special handling for calculation of assessment
- M hospital/nursing home
- P parking square footage included with other use

57 U_UPDATE Character 8 characters

The date indicative of the last updating of square footage information into Field 41-57. Entered as YY/MM/DD.

58 LSTSALE1_K Character 1 Character

Acts as a key for last sale, indicating the number of parcels involved in the most recent sale.

59 LSTSALE1_V Numeric 9 Characters

The dollar sales price of the last sale (#1) as computed from the Deed Transfer Tax stamps. Note: if the key (Field 59) is greater than one it is difficult to ascertain the sales price of this particular parcel.

60 LSTSALE1_D Character 6 Characters

The date of the most recent sale (#1) formatted as YYYYMMDD.

61 EXPCLAIM Character 1 Character

Real Estate Exemption Claim Type -A one digit code indicating the type of exemption processed.

- 1 Veteran affidavit received
- 2 No use is assigned by the L.A. County Assessor's Secured Basic File Abstract Data Definitions for exemption 2
- 3 Church, all exempt
- 4 Welfare, all exempt
- 5 Religious, all exempt
- 6 Church, partially exempt
- 7 Welfare, partially exempt
- 8 Religious, partially exempt
- 0 Prior year

62 SITUOWNER Character 32 Characters

Situs Owner - The name of the owner assessee as of the previous lien date (March 1) for the situs parcel associated with the possessory interest property. Used only for possessory interest properties.

63 SITUSOVRFL Character 32 Characters

Situs Overflow - This field contains any overflow from the SITUSOWNER field.

APPENDIX B

TAX ASSESSOR DATA SPECIFICATION SHEET

RECORD LAYOUT SHEET	RECORD NAME	ABSTRACT - DETAIL	RECORD SIZE	886 BYTES	COUNTY OF LOS ANGELES OFFICE OF ASSESSOR • SYSTEMS DIVISION			NEW	44-310	
	FILE NAME	ABSTRACT	FILE SIZE		SYSTEM NAME	D.S SYSTEM	SYSTEM NUMBER	DB	PAGE 3 OF 6	
	REVISION		FILE MEDIA	TAPE	BLOCK SIZE	BLOCKED 4	PROGRAM NAME	SBE ABSTRACT	DATE DOCUMENTED	6/9/86
							PROGRAM NUMBER	DS03	CHANGE NUMBER	

COMMENTS	DATA ELEMENT NAME	24	25	26	27	28	
	NAME	FILLER	FILLER	FIXTURE VALUE	FIXTURE	HOMEOWNER --	
	SIZE AND DATA TYPE			9 (9)	9 (9)	(a) KEY (b) VALUE	
	CONFIGURATION	- - - - - X X - - - - -	- - - - -	- - - - -	- - - - -	9 (3) 9 (9)	
	BYTE NUMBER	1 2 3 4 5 6 7 8 9 10 11 12 13 14	15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40				
	DATA ELEMENT NAME	29 EXEMPTION		30 REAL ESTATE		31 LAST SALE # ONE	
	NAME	EXEMPTION VALUE		(a) KEY	(b) AMOUNT	(c) DATE (a) KEY (b) AMOUNT	
	SIZE AND DATA TYPE	9 (9)		X	9 (9)	9 (6) YYYYMM X	
	CONFIGURATION	- - - - - Z 9 Z 9 - - - - -	- - - - -	- - - - -	- - - - -	- - - - -	
	BYTE NUMBER	41 42 43 44 45 46 47 48 49 50 51 52 53 54	55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80				
	DATA ELEMENT NAME	32 # TWO			33 LAST SALE # THREE		
	NAME	(c) DATE	(a) KEY	(b) AMOUNT	(c) DATE	(a) SUB PART (b) DESIGN TYPE (c) CLASS & SHAPE (d) Year Built (e) No of Units (f) No of	
	SIZE AND DATA TYPE	9 (6) YYYYMM	X	9 (9)	9 (6) YYYYMM	9 (4) X (4) X (5) 9 (2) 9 (3) 9	
	CONFIGURATION	- - - - - Z 9 X Z 9 - - - - -	- - - - -	- - - - -	- - - - -	- - - - -	
	BYTE NUMBER	81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120					
Building Data Lines two through five are outdivided in the same manner as Building Data Line # One.	DATA ELEMENT NAME	34 BUILDING DATA LINE # TWO		35 BUILDING DATA LINE # THREE			
	NAME	(a) Bed Rms (b) No of Bath Rms (c) Sq. Ft. Main Improve	(h)	29 BYTES			
	SIZE AND DATA TYPE	12) 9 (2)	9 (7)	29 BYTES			
	CONFIGURATION	Z 9 Z 9 Z 9 Z 9 - - - - -	- - - - -	29 BYTES			
	BYTE NUMBER	121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160					
	DATA ELEMENT NAME	36 BUILDING DATA LINE # THREE			37 BUILDING DATA LINE # FOUR		
	NAME	29 BYTES			29 BYTES		
	SIZE AND DATA TYPE	29 BYTES			29 BYTES		
	CONFIGURATION						
	BYTE NUMBER	161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200					

RECORD LAYOUT SHEET	RECORD NAME	ABSTRACT - DETAIL	RECORD SIZE	886 BYTES	COUNTY OF LOS ANGELES OFFICE OF ASSESSOR - SYSTEMS DIVISION		NEW <input type="checkbox"/> REVISED <input checked="" type="checkbox"/>
	FILE NAME	ABSTRACT	FILE SIZE		SYSTEM NAME	D.S SYSTEM	PAGE 4 OF 6
	RETENTION		FILE MEDIA	TAPE	BLOCK SIZE	BLOCKED 4	DATE DOCUMENTED 6/9/86
					PROGRAM NAME	SBF ABSTRACT	PROGRAM NUMBER DS
							CHANGE NUMBER DS43

COMMENTS	DATA ELEMENT NAME	DATA LINE # FOUR	BUILDING DATA LINE
	SIZE AND DATA TYPE		29 BYTES
	CONFIGURATION		
	BYTE NUMBER	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40	
	DATA ELEMENT NAME	# FIVE	LEGAL DESCRIPTION FIRST --
	SIZE AND DATA TYPE		X (40)
	CONFIGURATION		
	BYTE NUMBER	41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80	
	DATA ELEMENT NAME	LINE	LEGAL DESCRIPTION SECOND --
	SIZE AND DATA TYPE		X (40)
	CONFIGURATION		
	BYTE NUMBER	81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120	
	DATA ELEMENT NAME	LINE	LEGAL DESCRIPTION THIRD --
	SIZE AND DATA TYPE		X (40)
	CONFIGURATION		
	BYTE NUMBER	121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160	
	DATA ELEMENT NAME	LINE	LEGAL DESCRIPTION FOURTH --
	SIZE AND DATA TYPE		X (40)
	CONFIGURATION		
	BYTE NUMBER	161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200	

APPENDIX C

FLOOD CONTROL DATA SPECIFICATION SHEET

APPENDIX D

FIELD SURVEY PARCEL DATA SHEET

Parcel Data Sheet

5518 | 32 | 022

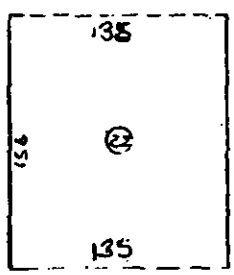
LAND USE CATEGORY	WORKING DESCRIPTION	SQUARE FOOTAGE	SOURCE	DATABASE USE FIELD	DATA ENTRY
OFFICE <input type="checkbox"/>					
HOTEL/MOTEL <input type="checkbox"/>					
RETAIL/RESTAURANT <input type="checkbox"/>					
INDUSTRIAL/WAREHOUSE <input checked="" type="checkbox"/>	newspaper printing	13,014 #	SB*		✓
PARKING LOT <input type="checkbox"/>					
GARAGE <input type="checkbox"/>					
INSTITUTE/GOVERNMENT <input type="checkbox"/>					
RESIDENTIAL <input type="checkbox"/>					
SERVICE <input type="checkbox"/>					
MIXED COMMERCIAL <input type="checkbox"/>					
MIXED WITH RESIDENTIAL <input type="checkbox"/>					
VACANT LAND <input type="checkbox"/>					
OTHER <input checked="" type="checkbox"/>	movie theater	6,000 #	SB*		✓
<input type="checkbox"/>					
Date and Initials: 6-30-88 SH+RL					

PARCEL AREA
 21,000 #
 21,014 #

Comments: Korean Times - Newspaper
 Cinema Korea - Movie Theater

141 Vermont Ave (N)

BY SCALE FROM SANBORN*



Cinema: $40' \times 150' = 6000 \#$

Newspaper: $(60' \times 156') + (30' \times 105') + (14' \times 36') = 13,014 \#$
 9360 3150 504

APPENDIX E

LAND USE ENTRY METRO RAIL PHASE II
BENEFIT ASSESSMENT DATA BASE

LAND USE ENTRY
METRO RAIL PHASE II BENEFIT ASSESSMENT DATA BASE

PARCEL NUMBER: XXXXXXXXXXXX

LAND USE CATEGORY : SQUARE FOOTAGE

OFFICE	: XXXXXXXX
HOTEL/MOTEL	: XXXXXXXX
RETAIL/REST/MIX COMM	: XXXXXXXX
INDUSTRIAL/WAREHOUSE	: XXXXXXXX
PARKING	: XXXXXXXX
GARAGE	: XXXXXXXX
INSTITUTE/GOVERNMENT	: XXXXXXXX
RESIDENTIAL	: XXXXXXXX
SERVICE	: XXXXXXXX
VACANT LAND	: XXXXXXXX

PARCEL AREA : XXXXXXXX

FIELD CHECK
PARCEL AREA : XXXXXXXX

DATA SOURCE : XXXXXXXXXXXX
NOTATIONS : XXXXXXXXXXXX
UPDATE DATE : XXXXXXXX

[Press 'Pg Up' to view/re-edit this parcel's land use categories]

[Press 'Pg Dn' to edit the next sequential parcel record]

[Press 'Ctrl-End' to save your edits or FIND another parcel to edit]

APPENDIX F

PROPERTY USE CLASSIFICATION CHART (ASESOR_CODE)

PROPERTY USE CLASSIFICATION CHART

0000 RESIDENTIAL	1000 *COMMERCIAL	2000 *COMMERCIAL
00 (OPEN)	10 (OPEN)	20 (OPEN)
010V VACANT LAND	100V VACANT LAND	
01 SINGLE <u>3rd digit-0</u> <u>4th digit</u> 1=Pool 4=Therapy Pool C=Condominium D=Planned Res. Development E=Condo Conversion F=Cooperative H=Own-Your-Own	10 COMMERCIAL <u>3rd digit</u> 0=Open 1=Misc'l Commercial 2=Artist in Residence	21 RESTAURANTS, COCKTAIL LOUNGES <u>3rd digit</u> 0=Restaurants, Cocktail Lounges, Taverns 1=Fast Food- Walk Up 2=Fast Food- Auto Orientated
	1100 STORES	22 WHOLESALE AND MANUFACTURING OUTLETS
	12 STORE COMBINATION (WITH OFFICE OR RESIDENTIAL) <u>3rd digit</u> 0=Store & Office Combination 1=Store & Residential Combination	23 BANKS, SAVINGS & LOANS
02 DOUBLE, DUPLEX, OR TWO UNITS	13 DEPARTMENT STORES <u>3rd digit</u> 1=Discount Department Store 2=Building Supplies (Builders Emporium, etc.) 3=Home Furnishings (Barker Brothers, etc.) 4=Retail-Warehouse Combination (Levitz)	24 SERVICE SHOPS RADIO & T.V. REPAIR REFRIGERATION SERVICE PAINT SHOPS ELECTRIC REPAIR LAUNDRIES
03 THREE UNITS (ANY COMBINATION)		25 SERVICE STATIONS <u>3rd digit</u> 0=Full Service 1=Self Serve 2=Station with Car Wash
04 FOUR UNITS (ANY COMBINATION)	14 SUPERMARKETS <u>3rd digit</u> 0=Supermarket- 12000' or more 1=Supermarket- 6000' through 11999' 2=Small Food Stores- less than 6000'	26 AUTO, RECREATION EQPT., CONSTRUCTION EQPT., SALES & SERVICE <u>3rd digit</u> 0=Auto Service Shops (Body & Fender Commercial Garage) 1=Used Car Sales 2=New Car Sales and Service 3=Car Wash 4=Car Wash- Self Service Type 5=Recreation Equipment Sales & Service (Campers, Motor Homes, Boats) 6=Farm and Construction Equipment Sales & Service
05 FIVE OR MORE APARTMENTS OR UNITS. COOPERATIVE OR OWN-YOUR-OWN PROJECTS NOT SEPARATELY PARCELLED. <u>3rd digit</u> <u>4th digit</u> 0=4 Stories or less 5=5 Stories or more 1=Pool A=Cooperative B=Own-Your-Own	15 SHOPPING CENTERS (NEIGHBORHOOD, COMMUNITY)	27 PARKING LOTS (COMMERCIAL USE PROPERTIES) <u>3rd digit</u> 0=Lots- Patron or Employee 1=Lots- Commercial Parking 2=Parking Structures- Patron or Employee 3=Parking Structures- Commercial Parking
06 MODULAR HOMES <u>3rd digit</u> <u>4th digit</u> 0=Single Residence 1=Multiple Residence A=Therapy Pool C=Condominium D=Planned Res. Development	16 SHOPPING CENTERS (REGIONAL)	28 ANIMAL KENNELS
07 MOBILE HOMES <u>3rd digit</u> <u>4th digit</u> 0=Single Residence (Permanent fdn.) 1=Multiple Residence (No permanent fdn.) A=Assessed by RP P=Assessed by PP	17 OFFICE BUILDINGS <u>3rd digit</u> 1=Loft type Buildings 2=Office and Residential	29 NURSERIES OR GREENHOUSES
08 ROOMING HOUSES	18 HOTEL AND MOTELS <u>3rd digit</u> 0=Hotels- under 50 rooms 1=Hotels- 50 rooms and over 2=Motels- under 50 units 3=Motels- 50 units and over 4=Motel/Hotel and Apartment Combinations- Under 50 units 5=Motel/Hotel and Apartment Combinations- 50 units and over	
09 MOBILE HOME PARKS <u>3rd digit-0</u> <u>4th digit</u> 1=Pool	19 PROFESSIONAL BUILDINGS <u>3rd digit</u> 1=Medical Dental Building 2=Veterinary Hospitals, Clinics	
<p>*For improved properties, 4th digit describes the number of stories in the main structure (with the exception of lifts or condominiums).</p> <p>0= one story 2 thru 5= to indicate the # of stories from 2 thru 5 6= to indicate 6 thru 13 stories 7= to indicate 14 thru 20 stories 8= to indicate 21 thru 30 stories 9= to indicate over 30 stories</p>		

PROPERTY USE CLASSIFICATION CHART

3000 *INDUSTRIAL	4000 IRRIGATED FARM	6000 *RECREATIONAL
30 (OPEN)	40 (OPEN)	60 (OPEN)
300V VACANT LAND	4010 PRIVATE RURAL PUMPING PLANT	61 THEATRES
30 INDUSTRIAL <u>3rd digit</u> 0=Open 1=Misc'l Industrial 2=Artist In Residence	41 FRUITS & NUTS	<u>3rd digit</u> 0=Movie- Indoor 1=Movie- Drive-In 2=Legitimate Theatre
31 LIGHT MANUFACTURING SMALL EQUIPMENT MANUFACTURING SMALL MACHINE SHOPS INSTRUMENTS MANUFACTURING PRINTING PLANTS	42 VINEYARDS	62 (OPEN)
32 HEAVY MANUFACTURING	43 VINE & BUSH FRUITS	63 BOWLING ALLEYS
33 WAREHOUSING, DISTRIBUTION, STORAGE <u>3rd digit</u> 0=Warehousing, Distribution under 10,000A 1=Warehousing, Distribution 10,000A through 24,999A 2=Warehousing, Distribution 25,000A through 50,000A 3=Warehousing, Distribution over 50,000A 4=Public Storage (Baking, Lyons) 5=Public Storage- Mini Warehouse	44 TRUCK CROPS	64 CLUBS, LODGE HALLS, FRATERNAL ORGANIZATIONS
34 FOOD PROCESSING PLANTS <u>3rd digit</u> 0=Meat 1=Beverage 2=Other	45 FIELD CROPS	65 ATHLETIC AND AMUSEMENT FACILITIES <u>3rd digit</u> 0=Auditoriums, Stadiums, Amphitheatres 1=Amusement Facilities 2=Commercial Swimming Pools, Schools 3=Gymnasiums, Health Spas 4=Dance Halls 5=Tennis Courts, Clubs, Pro Shops
35 MOTION PICTURE, RADIO AND TELEVISION INDUSTRIES <u>3rd digit</u> 0=Studios 1=Transmission Facilities 2=Microwave Relay Towers	46 PASTURE	66 GOLF COURSES <u>3rd digit</u> 1=Non Profit 2=Three Par 3=Miniature
36 LUMBER YARDS	47 DAIRIES	67 RACE TRACKS <u>3rd digit</u> 1=Horse Stable- Private
37 MINERAL PROCESSING <u>3rd digit</u> 1=Cement, Rock & Gravel Plants 2=Petroleum Refineries, Chemical Plants	48 POULTRY, ETC.	68 CAMPS <u>3rd digit</u> 1=Trailer and Camper Parks (overnight)
38 PARKING LOTS (INDUSTRIAL USE PROPERTIES)	49 FEED LOTS	69 SKATING RINKS <u>3rd digit</u> 0=Ice 1=Roller
39 OPEN STORAGE <u>3rd digit</u> 1=Trucking Companies, Terminals 2=Contractor Storage Yards	5000 DRY FARM	<p>*For improved properties, 4th digit describes the number of stories in the main structure (with the exception of lifts or condominiums).</p> <p>0= one story 2 thru 5=to indicate the # of stories from 2 thru 5 6= to indicate 6 thru 13 stories 7= to indicate 14 thru 20 stories 8= to indicate 21 thru 30 stories 9= to indicate over 30 stories</p>
	50 (OPEN)	
	51 FRUITS & NUTS	
	52 VINEYARDS	
	53 FIELD CROPS	
	54 PASTURE	
	55 TIMBER - PINE	
	56 TIMBER - FIR	
	57 TIMBER - REDWOOD	
	58 DESERT	
	59 WASTE	

PROPERTY USE CLASSIFICATION CHART

7000 INSTITUTIONAL	8000 GOVERNMENT OWNED PROPERTIES	
	(700' PARCELS)	
70 (OPEN)	8000 (OPEN)	
71 CHURCHES <u>2nd digit</u> 1=Church Parking Lots	800V VACANT LAND 8010 Rights of Way, General 8011 Street, Road, Highway	8057 Dam 8058 Reservoir, Tank Underground Storage 8059 Waterbed
72 SCHOOLS (PRIVATE)	8012 Future Street, Alley, etc. 8013 Power Transmission Lines 8014 Sewers, Utilities	8060 Transportation, General 8061 Harbor & Related 8062 Airport, General 8063 Airport, T Hangar 8064 Airport, Tie - Down 8065 Airport, Flood - Base Operator 8066 Rapid Transit, Bus, etc.
73 COLLEGES, UNIVERSITIES (PRIVATE)	8020 Government Services, General 8021 City Hall, Administration Center 8022 Auxiliary and Regional Center 8023 Police and Fire Station 8024 Utilities Office (Power, Water, etc.) 8025 Welfare and Social Services 8026 Postal Facility 8027 Library 8028 Court Building, Jail 8029 Military Post	8070 Concession on Public Property 8071 Food Concession 8072 Souvenir Shop 8073 Parking Lot Lease 8074 Office Space Lease
74 HOSPITALS <u>2nd digit</u> 1=Convalescent Hospitals, Nursing Homes	8030 Public School, General 8031 College 8032 High School 8033 Elementary School 8034 School Administration Center 8035 School Service Center	8080 Community Redevelopment 8091 Public Housing 8099 Government Property and Passorary Interest Not Classifiable in Any of Above
75 HOMES FOR AGED & OTHERS		
76 (OPEN)		
77 CEMETERIES, MAUSOLEUMS, MORTUARIES <u>2nd digit</u> 0=Cemeteries, Mausoleums 1=Mortuaries, Funeral Homes		
78 (OPEN)		
79 (OPEN) * For Improved properties, 4th digit describes the number of stories in the main structure (with exception of lifts or condominiums). See Section A.3 B.	8040 Recreation, General 8041 Public Park 8042 Art Center, Museum 8043 Public Swimming Pool 8044 Sports Stadium 8045 Beach 8046 Horse Stable 8047 Amusement Ride 8048 Ball Field (Little League, etc.) 8049 Youth Facility (Scouts, etc.)	8090 DUMP SITES
8000 MISCELLANEOUS		
80 (OPEN)		
81 UTILITY COMMERCIAL & MUTUAL; PUMPING PLANTS; STATE ASSESSED PROPERTY	8050 Water Related Facilities, General 8051 Small Boat Marine 8052 Boat Slip 8053 Boat Mooring 8054 Pier, Wharf 8055 Flood Control Drainage 8056 Irrigation - Related	
82 MINING		
83 PETROLEUM & GAS		
84 PIPE LINES, CANALS		
85 RIGHTS OF WAY		
86 WATER RIGHTS		
87 RIVERS & LAKES		
	*For Improved properties, 4th digit describes the number of stories in the main structure (with the exception of lifts or condominiums). 0= one story 2 thru 5= indicate the # of stories from 2 thru 5 6= to indicate 6 thru 13 stories 7= to indicate 14 thru 20 stories 8= to indicate 21 thru 30 stories 9= to indicate over 30 stories	