

The "Parcels" Database Schema

These are the SQL statements needed to create the tables and indexes in the "Parcels" database (without the rows containing the data).

```
DROP TABLE "PARCELS" CASCADE CONSTRAINTS;
```

```
CREATE TABLE "PARCELS" (  
    "PARCELID" NUMBER,  
    "PID" NUMBER(5, 0) NOT NULL ENABLE,  
    "WPB" NUMBER(5, 0) NOT NULL ENABLE,  
    "ADD1" NUMBER(5, 0),  
    "ADD2" VARCHAR2(17),  
    "ZIP" VARCHAR2(5),  
    "SQFT" NUMBER(10, 0),  
    "ONUM" NUMBER(5, 0),  
    "LANDUSE" VARCHAR2(3)  
)  
PCTFREE 10  
PCTUSED 40  
INITRANS 1  
MAXTRANS 255  
LOGGING  
STORAGE (  
    INITIAL 131072  
    NEXT 16384  
    MINEXTENTS 1  
    MAXEXTENTS 16  
    PCTINCREASE 50  
    FREELISTS 1  
    FREELIST GROUPS 1  
    BUFFER_POOL DEFAULT  
)  
TABLESPACE "USERS";
```

```
GRANT SELECT  
ON "PARCELS"  
TO "PUBLIC";
```

```
CREATE UNIQUE INDEX "PARCELS"  
ON "PARCELS" ("PARCELID")  
PCTFREE 10  
INITRANS 2  
MAXTRANS 255  
STORAGE (  
    INITIAL 131072  
    NEXT 16384  
    MINEXTENTS 1  
    MAXEXTENTS 16  
    PCTINCREASE 50  
    FREELISTS 1  
    FREELIST GROUPS 1
```

```

        BUFFER_POOL DEFAULT
    )
    TABLESPACE "USERS"
    LOGGING;

CREATE UNIQUE INDEX "PARCELS$PID$WPB"
ON "PARCELS" ("PID", "WPB")
PCTFREE 10
INITRANS 2
MAXTRANS 255
STORAGE (
    INITIAL 131072
    NEXT 16384
    MINEXTENTS 1
    MAXEXTENTS 16
    PCTINCREASE 50
    FREELISTS 1
    FREELIST GROUPS 1
    BUFFER_POOL DEFAULT
)
TABLESPACE "USERS"
LOGGING;

ALTER TABLE "PARCELS"
ADD CONSTRAINT "PARCELS"
PRIMARY KEY ("PARCELID")
USING INDEX
PCTFREE 10
INITRANS 2
MAXTRANS 255
STORAGE (
    INITIAL 131072
    NEXT 16384
    MINEXTENTS 1
    MAXEXTENTS 16
    PCTINCREASE 50
    FREELISTS 1
    FREELIST GROUPS 1
    BUFFER_POOL DEFAULT
)
TABLESPACE "USERS"
ENABLE;

ALTER TABLE "PARCELS"
ADD CONSTRAINT "PARCELS$PID$WPB"
UNIQUE ("PID", "WPB")
USING INDEX
PCTFREE 10
INITRANS 2
MAXTRANS 255
STORAGE (
    INITIAL 131072
    NEXT 16384
    MINEXTENTS 1
    MAXEXTENTS 16
    PCTINCREASE 50
    FREELISTS 1

```

```
        FREELIST GROUPS 1
        BUFFER_POOL DEFAULT
    )
    TABLESPACE "USERS"
    ENABLE;
```

```
DROP TABLE "FIRES" CASCADE CONSTRAINTS;
```

```
CREATE TABLE "FIRES" (
    "PARCELID"    NUMBER,
    "FDATE"       DATE,
    "IGNFACTOR"   NUMBER(5, 0),
    "ESTLOSS"     NUMBER(8, 0)
)
PCTFREE 10
PCTUSED 40
INITRANS 1
MAXTRANS 255
LOGGING
STORAGE (
    INITIAL 131072
    NEXT 16384
    MINEXTENTS 1
    MAXEXTENTS 16
    PCTINCREASE 50
    FREELISTS 1
    FREELIST GROUPS 1
    BUFFER_POOL DEFAULT
)
TABLESPACE "USERS";
```

```
GRANT SELECT
ON "FIRES"
TO "PUBLIC";
```

```
CREATE UNIQUE INDEX "FIRES"
ON "FIRES" ("PARCELID", "FDATE")
PCTFREE 10
INITRANS 2
MAXTRANS 255
STORAGE (
    INITIAL 131072
    NEXT 16384
    MINEXTENTS 1
    MAXEXTENTS 16
    PCTINCREASE 50
    FREELISTS 1
    FREELIST GROUPS 1
    BUFFER_POOL DEFAULT
)
TABLESPACE "USERS"
LOGGING;
```

```
ALTER TABLE "FIRES"
ADD CONSTRAINT "FIRES"
PRIMARY KEY ("PARCELID", "FDATE")
USING INDEX
```

```
PCTFREE 10
INITRANS 2
MAXTRANS 255
STORAGE (
    INITIAL 131072
    NEXT 16384
    MINEXTENTS 1
    MAXEXTENTS 16
    PCTINCREASE 50
    FREELISTS 1
    FREELIST GROUPS 1
    BUFFER_POOL DEFAULT
)
TABLESPACE "USERS"
ENABLE;
```

```
DROP TABLE "TAX" CASCADE CONSTRAINTS;
```

```
CREATE TABLE "TAX" (
    "PARCELID" NUMBER,
    "PRPTYPE" NUMBER(5, 0),
    "LANDVAL" NUMBER(10, 0),
    "BLDVAL" NUMBER(10, 0),
    "TAX" NUMBER(10, 0)
)
PCTFREE 10
PCTUSED 40
INITRANS 1
MAXTRANS 255
LOGGING
STORAGE (
    INITIAL 131072
    NEXT 16384 MINEXTENTS 1
    MAXEXTENTS 16
    PCTINCREASE 50
    FREELISTS 1
    FREELIST GROUPS 1
    BUFFER_POOL DEFAULT
)
TABLESPACE "USERS";
```

```
GRANT SELECT
ON "TAX"
TO "PUBLIC";
```

```
CREATE UNIQUE INDEX "TAX"
ON "TAX" ("PARCELID")
PCTFREE 10
INITRANS 2
MAXTRANS 255
STORAGE (
    INITIAL 131072
    NEXT 16384
    MINEXTENTS 1
    MAXEXTENTS 16
    PCTINCREASE 50
    FREELISTS 1
```

```
        FREELIST GROUPS 1
        BUFFER_POOL DEFAULT)
TABLESPACE "USERS"
LOGGING;
```

```
ALTER TABLE "TAX"
ADD CONSTRAINT "TAX"
PRIMARY KEY ("PARCELID")
USING INDEX
    PCTFREE 10
    INITRANS 2
    MAXTRANS 255
    STORAGE (
        INITIAL 131072
        NEXT 16384 MINEXTENTS 1
        MAXEXTENTS 16
        PCTINCREASE 50
        FREELISTS 1
        FREELIST GROUPS 1
        BUFFER_POOL DEFAULT
    )
TABLESPACE "USERS"
ENABLE;
```

```
DROP TABLE "OWNERS" CASCADE CONSTRAINTS;
```

```
CREATE TABLE "OWNERS" (
    "OWNERNUM" NUMBER(5, 0) NOT NULL ENABLE,
    "ONAME" VARCHAR2(23),
    "ADDRESS" VARCHAR2(15),
    "CITY" VARCHAR2(13),
    "STATE" VARCHAR2(9),
    "ZIP" VARCHAR2(5)
)
PCTFREE 10 PCTUSED 40
INITRANS 1
MAXTRANS 255
LOGGING
STORAGE (
    INITIAL 131072
    NEXT 16384 MINEXTENTS 1
    MAXEXTENTS 121
    PCTINCREASE 50
    FREELISTS 1
    FREELIST GROUPS 1
    BUFFER_POOL DEFAULT
)
TABLESPACE "USERS";
```

```
GRANT SELECT
ON "OWNERS"
TO "PUBLIC";
```

```
CREATE UNIQUE INDEX "OWNERS"
ON "OWNERS" ("OWNERNUM")
PCTFREE 10
INITRANS 2
```

```
MAXTRANS 255
STORAGE (
    INITIAL 131072
    NEXT 16384
    MINEXTENTS 1
    MAXEXTENTS 16
    PCTINCREASE 50
    FREELISTS 1 FREELIST GROUPS 1
    BUFFER_POOL DEFAULT
)
TABLESPACE "USERS"
LOGGING;
```

```
ALTER TABLE "OWNERS"
ADD CONSTRAINT "OWNERS"
PRIMARY KEY ("OWNERNUM")
USING INDEX
    PCTFREE 10
    INITRANS 2
    MAXTRANS 255
    STORAGE (
        INITIAL 131072
        NEXT 16384
        MINEXTENTS 1
        MAXEXTENTS 16
        PCTINCREASE 50
        FREELISTS 1
        FREELIST GROUPS 1
        BUFFER_POOL DEFAULT
    )
    TABLESPACE "USERS"
ENABLE;
```

```
DROP TABLE "ZONING" CASCADE CONSTRAINTS;
```

```
CREATE TABLE "ZONING" (
    "PARCELID" NUMBER,
    "ADDRESS" VARCHAR2(15),
    "BOARDDEC" VARCHAR2(11),
    "EXSZONE" VARCHAR2(8),
    "PRPZONE" VARCHAR2(8),
    "HEARDATE" DATE
)
PCTFREE 10 PCTUSED 40
INITRANS 1
MAXTRANS 255
LOGGING
STORAGE (
    INITIAL 131072
    NEXT 16384
    MINEXTENTS 1
    MAXEXTENTS 16
    PCTINCREASE 50
    FREELISTS 1
    FREELIST GROUPS 1
    BUFFER_POOL DEFAULT
)
```

```

TABLESPACE "USERS";

GRANT SELECT
  ON "ZONING"
  TO "PUBLIC";

CREATE UNIQUE INDEX "ZONING"
  ON "ZONING" ("PARCELID", "HEARDATE")
  PCTFREE 10
  INITRANS 2
  MAXTRANS 255
  STORAGE (
    INITIAL 131072
    NEXT 16384
    MINEXTENTS 1
    MAXEXTENTS 16
    PCTINCREASE 50
    FREELISTS 1
    FREELIST GROUPS 1
    BUFFER_POOL DEFAULT
  )
  TABLESPACE "USERS"
  LOGGING;

ALTER TABLE "ZONING"
  ADD CONSTRAINT "ZONING"
  PRIMARY KEY ("PARCELID", "HEARDATE")
  USING INDEX
  PCTFREE 10
  INITRANS 2
  MAXTRANS 255
  STORAGE (
    INITIAL 131072
    NEXT 16384
    MINEXTENTS 1
    MAXEXTENTS 16
    PCTINCREASE 50
    FREELISTS 1
    FREELIST GROUPS 1
    BUFFER_POOL DEFAULT
  )
  TABLESPACE "USERS"
  ENABLE;

DROP TABLE "PERMITS" CASCADE CONSTRAINTS;

CREATE TABLE "PERMITS" (
  "PID" NUMBER(5, 0) NOT NULL ENABLE,
  "WPB" NUMBER(5, 0) NOT NULL ENABLE,
  "PTYPE" NUMBER(5, 0),
  "APPDATE" DATE,
  "ISSUDATE" DATE,
  "ESTCOST" NUMBER(10, 0),
  "FEE" NUMBER(6, 0)
  PCTFREE 10
  PCTUSED 40
  INITRANS 1

```

```
MAXTRANS 255
LOGGING
STORAGE (
    INITIAL 131072
    NEXT 16384
    MINEXTENTS 1
    MAXEXTENTS 121
    PCTINCREASE 50
    FREELISTS 1
    FREELIST GROUPS 1
    BUFFER_POOL DEFAULT
)
TABLESPACE "USERS";
```

```
GRANT SELECT
ON "PERMITS"
TO "PUBLIC";
```

```
CREATE UNIQUE INDEX "PERMITS"
ON "PERMITS" ("PID", "WPB", "ISSUDATE")
PCTFREE 10
INITRANS 2
MAXTRANS 255
STORAGE (
    INITIAL 131072
    NEXT 16384
    MINEXTENTS 1
    MAXEXTENTS 16
    PCTINCREASE 50
    FREELISTS 1
    FREELIST GROUPS 1
    BUFFER_POOL DEFAULT
)
TABLESPACE "USERS"
LOGGING;
```

```
ALTER TABLE "PERMITS"
ADD CONSTRAINT "PERMITS"
PRIMARY KEY ("PID", "WPB", "ISSUDATE")
USING INDEX
PCTFREE 10
INITRANS 2
MAXTRANS 255
STORAGE (
    INITIAL 131072
    NEXT 16384
    MINEXTENTS 1
    MAXEXTENTS 16
    PCTINCREASE 50
    FREELISTS 1
    FREELIST GROUPS 1
    BUFFER_POOL DEFAULT
)
TABLESPACE "USERS"
ENABLE;
```

```
DROP TABLE "SALES" CASCADE CONSTRAINTS;
```

```

CREATE TABLE "SALES" (
    "PARCELID" NUMBER,
    "SDATE" DATE,
    "GRANTOR" VARCHAR2(20) NOT NULL ENABLE,
    "GRANTEE" VARCHAR2(22) NOT NULL ENABLE,
    "SPRICE" NUMBER(10, 0),
    "BKNUM" NUMBER(5, 0),
    "PGNUM" NUMBER(5, 0)
)
PCTFREE 10
PCTUSED 40
INITRANS 1
MAXTRANS 255
LOGGING
STORAGE (
    INITIAL 131072
    NEXT 16384
    MINEXTENTS 1
    MAXEXTENTS 16
    PCTINCREASE 50
    FREELISTS 1
    FREELIST GROUPS 1
    BUFFER_POOL DEFAULT
)
TABLESPACE "USERS";

```

```

GRANT SELECT
ON "SALES"
TO "PUBLIC";

```

```

CREATE UNIQUE INDEX "SALES"
ON "SALES" ("PARCELID", "SDATE")
PCTFREE 10
INITRANS 2
MAXTRANS 255
STORAGE (
    INITIAL 131072
    NEXT 16384
    MINEXTENTS 1
    MAXEXTENTS 16
    PCTINCREASE 50
    FREELISTS 1
    FREELIST GROUPS 1
    BUFFER_POOL DEFAULT
)
TABLESPACE "USERS"
LOGGING;

```

```

ALTER TABLE "SALES"
ADD CONSTRAINT "SALES"
PRIMARY KEY ("PARCELID", "SDATE")
USING INDEX
PCTFREE 10
INITRANS 2
MAXTRANS 255
STORAGE (

```

```

        INITIAL 131072
        NEXT 16384
        MINEXTENTS 1
        MAXEXTENTS 16
        PCTINCREASE 50 FREELISTS 1
        FREELIST GROUPS 1
        BUFFER_POOL DEFAULT
    )
    TABLESPACE "USERS"
ENABLE;

ALTER TABLE "PARCELS"
    ADD CONSTRAINT "PARCELS#ONUM"
    FOREIGN KEY ("ONUM")
    REFERENCES "OWNERS" ("OWNERNUM")
    ENABLE
    NOVALIDATE;

ALTER TABLE "FIRES"
    ADD CONSTRAINT "FIRES#PARCELID"
    FOREIGN KEY ("PARCELID")
    REFERENCES "PARCELS" ("PARCELID")
    ENABLE
    NOVALIDATE;

ALTER TABLE "TAX"
    ADD CONSTRAINT "TAX#PARCELID"
    FOREIGN KEY ("PARCELID")
    REFERENCES "PARCELS" ("PARCELID")
    ENABLE
    NOVALIDATE;

ALTER TABLE "ZONING"
    ADD CONSTRAINT "ZONING#PARCELID"
    FOREIGN KEY ("PARCELID")
    REFERENCES "PARCELS" ("PARCELID")
    ENABLE
    NOVALIDATE;

ALTER TABLE "PERMITS"
    ADD CONSTRAINT "PERMITS#PID#WPB"
    FOREIGN KEY ("PID", "WPB")
    REFERENCES "PARCELS" ("PID", "WPB")
    ENABLE
    NOVALIDATE;

ALTER TABLE "SALES"
    ADD CONSTRAINT "SALES#PARCELID"
    FOREIGN KEY ("PARCELID")
    REFERENCES "PARCELS" ("PARCELID")
    ENABLE
    NOVALIDATE;

ALTER TABLE "PARCELS"
    ENABLE CONSTRAINT "PARCELS";

ALTER TABLE "PARCELS"

```

```
ENABLE CONSTRAINT "PARCELS$PID$WPB";

ALTER TABLE "FIRES"
  ENABLE CONSTRAINT "FIRES";

ALTER TABLE "TAX"
  ENABLE CONSTRAINT "TAX";

ALTER TABLE "OWNERS"
  ENABLE CONSTRAINT "OWNERS";

ALTER TABLE "ZONING"
  ENABLE CONSTRAINT "ZONING";

ALTER TABLE "PERMITS"
  ENABLE CONSTRAINT "PERMITS";

ALTER TABLE "SALES"
  ENABLE CONSTRAINT "SALES";

ALTER TABLE "PARCELS"
  ENABLE CONSTRAINT "PARCELS#ONUM";

ALTER TABLE "FIRES"
  ENABLE CONSTRAINT "FIRES#PARCELID";

ALTER TABLE "TAX"
  ENABLE CONSTRAINT "TAX#PARCELID";

ALTER TABLE "ZONING"
  ENABLE CONSTRAINT "ZONING#PARCELID";

ALTER TABLE "PERMITS"
  ENABLE CONSTRAINT "PERMITS#PID#WPB";

ALTER TABLE "SALES"
  ENABLE CONSTRAINT "SALES#PARCELID";
```
