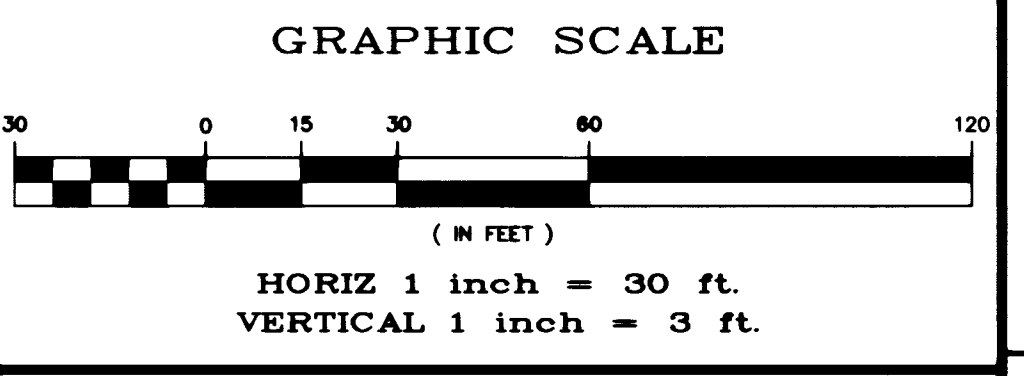
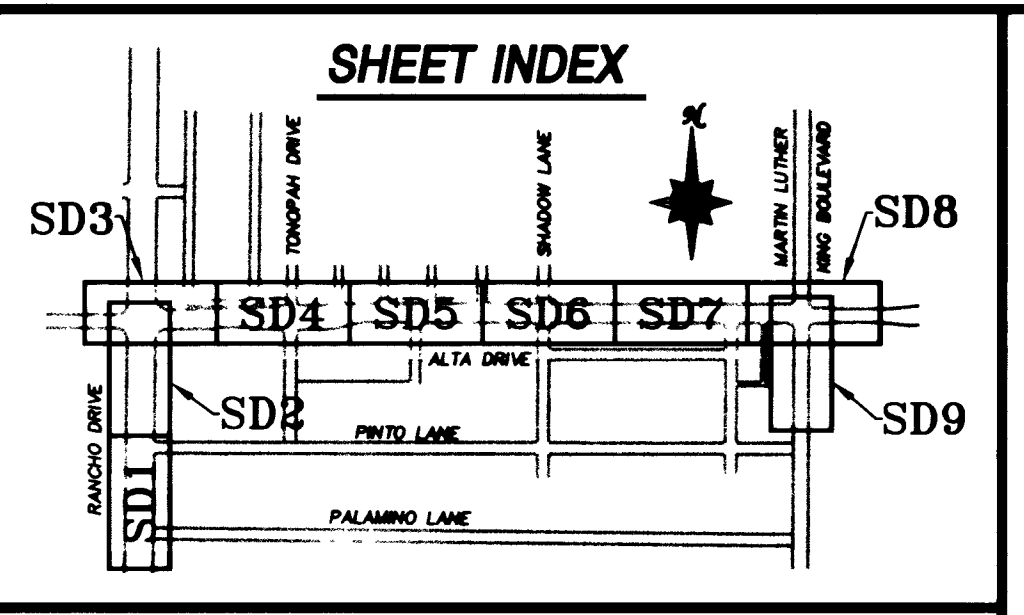


DI-36 STA. 12+74.44  
 DI-37 STA. 13+04.44

LWWD \_\_\_\_\_ DATE \_\_\_\_\_



**BASIS OF BEARING**  
 N89°28'51", BEING CENTERLINE OF ALTA DRIVE PER BOOK 10, PAGE 57, REC. FEB. 2, 1985

**BENCHMARK**  
 CLV BENCHMARK BM 1LV013256, CLV DATUM (2071.68') BRASS DISK AT THE NORTHWEST CORNER OF RANCHO DRIVE AND PALOMBO DRIVE.

**CAUTION**  
 EXISTING UTILITIES ARE LOCATED ON THE PLANS FROM A SEARCH OF AVAILABLE RECORDS. CONTRACTOR TO VERIFY LOCATIONS AND DEPTHS PRIOR TO CONSTRUCTION.

- KEY NOTES**
- REMOVAL ITEMS**
- (A) REMOVE EXISTING DROP INLET.
  - (B) REMOVE BLOCK AND MORTAR PLUG FROM 66" RCP.
  - (C) REMOVE EXISTING CURB, GUTTER AND SIDEWALK AS NEEDED TO INSTALL STORM DRAIN, OR DROP INLET.
  - (D) NOT USED.
  - (E) REMOVE, REPAIR, AND REPLACE MEDIAN AS NEEDED TO CONSTRUCT STORM DRAIN.
  - (F) REMOVE EXISTING STORM DRAIN.
  - (G) REMOVE EXISTING MANHOLE.
  - (H) REMOVE EXISTING SANITARY SEWER.
- CONSTRUCTION ITEMS**
- (1) INSTALL 18" STORM DRAIN PIPE PER DETAIL B, DWG. SD17.
  - (2) INSTALL 24" STORM DRAIN PIPE PER DETAIL B, DWG. SD17.
  - (3) INSTALL 30" STORM DRAIN PIPE PER DETAILS, DWG. SD17.
  - (4) INSTALL 36" STORM DRAIN PIPE PER DETAIL B, DWG. SD17.
  - (5) INSTALL 48" STORM DRAIN PIPE PER DETAIL B, DWG. SD17.
  - (6) INSTALL 54" STORM DRAIN PIPE PER DETAIL B, DWG. SD17.
  - (7) INSTALL 60" RCP STORM DRAIN PER DETAIL B, DWG. SD17.
  - (8) INSTALL 66" RCP STORM DRAIN PER DETAIL B, DWG. SD17.
  - (9) INSTALL 24"x36" HORIZONTAL ELLIPTICAL RCP STORM DRAIN PER DETAIL B, DWG. SD17.
  - (10) INSTALL 29"x45" ELLIPTICAL RCP STORM DRAIN PER DETAIL B, DWG. SD17.
  - (11) INSTALL TYPE "A" DROP INLET PER USD # 411.
  - (12) INSTALL TYPE CM1 DROP INLET PER DETAIL A, DWG. SD17.
  - (13) INSTALL TYPE CM2 DROP INLET PER DETAIL A, DWG. SD18.
  - (14) INSTALL 60" TYPE I MANHOLE PER USD # 403.
  - (15) INSTALL 48" TYPE II MANHOLE PER USD # 405.
  - (16) INSTALL 60" TYPE III MANHOLE PER USD # 406.
  - (17) INSTALL MANHOLE PER DETAIL B, DWG. SD18.
  - (18) INSTALL MANHOLE PER DETAIL D, DWG. SD18.
  - (19) CONNECT STORM DRAIN LATERAL PER DETAIL C, DWG. SD18.
  - (20) FUTURE 18" STORM DRAIN PIPE.
  - (21) FUTURE 24" STORM DRAIN PIPE.
  - (22) FUTURE 36" STORM DRAIN PIPE.
  - (23) FUTURE 60" RCP STORM DRAIN.
  - (24) FUTURE 29"x45" ELLIPTICAL RCP STORM DRAIN.
  - (25) FUTURE TYPE "A" DROP INLET PER USD # 411.
  - (26) FUTURE TYPE CM1 DROP INLET PER DETAIL A, DWG. SD17.
  - (27) FUTURE TYPE CM2 DROP INLET PER DWG. SD18.
  - (28) FUTURE 48" TYPE II MANHOLE PER USD # 405.
  - (29) EXISTING DROP INLET TO REMAIN.
  - (30) 66" RCP STORM DRAIN CONSTRUCTED BY OTHERS.
  - (31) ABANDON EXISTING STORM DRAIN OR DROP INLET AND FILL WITH CONCRETE SLURRY.
  - (32) EXISTING 48" RCP STORM DRAIN.
  - (33) EXTEND PIPE 8' PAST MANHOLE AND PLUG WITH CEMENT MORTAR.
  - (34) EXISTING GAS LINE TO BE RELOCATED BY OTHERS.
  - (35) RELOCATE EXISTING WATER PER DETAIL "A" DWG. D2.
  - (36) CAP RCP LATERAL WITH 12" THICK MORTAR PLUG FOR FUTURE USE.
  - (37) ABANDON EXISTING 45" SANITARY SEWER IN PLACE SEE SHEET SS1 FOR MORE INFORMATION.
  - (38) EXISTING DROP INLET CONSTRUCTED IN PHASE I.
  - (39) REMOVE PLUG AND CONNECT TO EXISTING RCP STORM DRAIN.
  - (40) 60" SANITARY SEWER, SEE SANITARY SEWER SHEETS FOR DETAILS.

**REVISIONS**

NO.	DATE	DESCRIPTION
1	3/8/01	CHANGES BY CLV

**ENGINEERING DESIGN SECTION**

DRAWN BY: E.A. JEP MSJ: 517.56  
 CHECKED BY: CCV  
 DATE: DECEMBER 06, 2000

**PROFESSIONAL ENGINEER - STATE OF CALIFORNIA**  
 WAYNE HORLACHER  
 No. 44567  
 License No. 70226-7275  
 Exp. 12/31/01

**ENGINEERING - PLANNING - SURVEYING - CONSTRUCTION SERVICES**

Department of Public Works  
 ALTA/RANCHO IMPROVEMENTS PHASE II  
 LATERAL PROFILES

**CITY OF LAS VEGAS**

DRAWING No. SD15 38  
 PLAN# 107-V3126 56

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