SEE SHEET S-22 FOR DETAIL

SCALE: 1" = 40'

MATCH LINE "SR" 87+00 SEE SHEET S-9

DO NOT DISTURB EXISTING SIGN BASE

"SR" +09.36 59.14' LT

"SR" +46.05 64.27' LT

"SR" +70.75 39.12' LT

"SR" +50.00 39.12' LT

"SR" +57.81 39.12' LT

NDOT R/W

"SR" +02.81 83.71' LT

"SR" +93.17 82.92' LT

"SR" +19.87 60.08' LT MATCH EXIST.

WILLIAM MILLER REVOCABLE FAMILY TRUST APN 138-15-801-002

"SR" +23.12 47.37' LT

"SR" +52.95 ℄ 36' Wide D/W

"SR" +25.42 ℄ 36' Wide D/W

"SR" +71.42 END CONSTRUCTION MATCH EXISTING

"SR" +63.42 35.00' LT

N00°04'45" W 1341.96'

RAINBOW BLVD.

N00°16'35" W 1351.57'

"SR" +50.00 34.68' RT

"SR" +71.22 34.61' RT Z & Z

"SR" +01.31 65.15' RT

"SR" +50.00 33.78' RT

"SR" +20.50 33.78' RT

"SR" 90+47.28

"SR" +88.24 66.68' RT

SMOKE RANCH RD.

℄ SMOKE RANCH RD.

INVESTMENT CO APN 138-23 110-001

PEARLMAN FAMILY TRUST APN 138-14-401-004

SEE SHEETS UT-1 THRU UT-9 FOR UTILITY RELOCATION INFORMATION

SEE SHEETS MD-1 THRU MD-6 FOR MEDIAN ISLAND CONSTRUCTION INFORMATION

BASIS OF BEARINGS
NORTH 00°05'50" WEST, BEING THE BEARING OF THE WEST LINE OF THE SOUTHWEST QUARTER (SW 1/4) OF THE SOUTHWEST QUARTER (SW 1/4) OF SECTION 23, T. 20 S., R 60 E, M.D.M., CLARK COUNTY, NEVADA, AS SHOWN ON FILE 80 OF PARCEL MAPS, AT PAGE 46.

CURVE TABLE

CURVE	RADIUS	LENGTH	DELTA	TANGENT
C33	20.00	30.41	87°07'45"	19.02
C34	25.00	39.42	90°20'43"	25.15
C35	45.00	70.27	89°28'27"	44.59
C36	30.00	47.43	90°35'34"	30.31
C37	31.00	48.17	89°02'05"	30.48
C38	30.00	47.76	91°13'15"	30.65
C58	5.00	8.56	98°05'58"	5.76
C59	2.00	3.13	89°48'19"	1.99

DATA REFLECT BACK OF CURB

SEE SHEET S-17

NOTES:
1. CONSTRUCT ASPHALT PAVEMENT WITH TYPE II AGGREGATE BASE (REFER TO TYPICAL SECTIONS FOR PAVEMENT DESIGN)
2. CONSTRUCT CONCRETE SIDEWALK (USD. DWG. NO. 234)
3. CONSTRUCT SIDEWALK RAMP, CASE 1 (USD. DWG. NO. 235)
4. CONSTRUCT "L" TYPE CURB & GUTTER USD. DWG. NO. 216)
5. CONSTRUCT PAVEMENT PER USD NO. 210
6. CONSTRUCT COMMERCIAL DRIVEWAY OPTION B (USD. DWG. NO. 225)
7. CONSTRUCT TACK-ON ISLAND (USD. DWG. NO. 221)
13. SAWCUT
14. REMOVE ASPHALT PAVEMENT
15. REMOVE CROSS GUTTER
16. REMOVE CURB AND GUTTER
17. REMOVE SIDEWALK
18. REMOVE DRIVEWAY
19. REMOVE TACK-ON ISLAND
20. ADJUST MANHOLE TO GRADE (USD. DWG. NO. 408)
21. ADJUST WATER VALVE BOX TO FINISHED GRADE PER UDACS PLATE NO. 8 (VALVE SHALL BE ACCESSIBLE AT ALL TIMES)
23. REMOVE SIGN(S) AND POST
24. REMOVE SIDEWALK DRAIN
25. CONSTRUCT SIDEWALK DRAIN (USD. DWG. NO. 236)
29. CONSTRUCT COMMERCIAL DRIVEWAY OPTION A (USD. DWG. NO. 224)
33. REMOVE SIGN, POSTS AND LIGHTS
92. RESTORE LANDSCAPING AND IRRIGATION TO MATCH EXISTING (REPLACE IN KIND)

BENCHMARK
CITY OF LAS VEGAS BENCHMARK: 1LV00 26W4
RIVET AND PLATE IN TOP OF CURB, NORTHEAST RETURN OF RAINBOW BLVD AND WASHINGTON AVE
ELEV. = 724.7549 METERS (PUBLISHED NAVD'88)
ELEV. = 2377.80 U.S. SURVEY FEET (CALCULATED NAVD'88)
CITY OF LAS VEGAS BENCHMARK: 0LV00 14SWS
RIVET AND PLATE IN TOP OF CURB, NORTHEAST RETURN OF SMOKE RANCH RD AND LORENZI BLVD
ELEV. = 708.7363 METERS (PUBLISHED NAVD'88)
ELEV. = 2325.25 U.S. SURVEY FEET (CALCULATED NAVD'88)

LEGEND
- MILL AND OVERLAY
- FULL DEPTH PAVEMENT SECTION (SEE SHEET S-20 FOR INTERSECTION GRADING PLAN)
- PAVEMENT PER USD. DWG. NO. 210

LEFT SIDE TC PROFILE

"SR" 87+09.36 TC = (2329.00) MATCH EXIST
"SR" 87+70.75 TC = 2327.98
"SR" 87+46.05 TC = (2328.10) MATCH EXIST
"SR" 89+57.81 TC = 2327.23
"SR" 90+02.81 TC = (2328.70) MATCH EXIST
"SR" 90+93.17 TC = (2327.65) MATCH EXIST.
"SR" 91+23.12 TC = 2327.00 GRADE BREAK
"SR" 91+34.95 EL = 2326.34
"SR" 91+71.40 TC = 2327.51
"SR" 91+84.95 TC = 2326.57
"SR" 91+93.41 TC = 2326.51
"SR" 92+06.92 TC = 2327.32
"SR" 92+45.29 TC = 2326.30
"SR" 92+63.42 TC = (2326.00) MATCH EXIST.
"SR" 91+30.95 TC = 2326.94
PROPOSED SURFACE
EXISTING SURFACE
-0.30%, -0.85%, -0.39%, 1.95%, -1.40%, 5.11%, -0.70%, 4.42%, 1.30%, -0.70%

L 100.00' K 280.96
PVC 87+30.00 Elev 2329.05
PVI 87+80.00 Elev 2328.50
PVT 88+30.00 Elev 2328.13
PVI 90+03.99 Elev 2326.85
PVI 90+47.28 Elev 2326.91
PVI 90+90.22 Elev 2326.85
PVC 91+55 Elev 2327.12
K = 77.09 230.00' VC
PVI 92+70.00 Elev 2327.59
EVC: 93+85 Elev 2324.63
140.00' VC K = 100.16
BVCS: 94+30
BVCE: 2323.47
PVI 95+00.00 Elev 2321.67
EVCS: 95+70
EVCE: 2320.85
"SR" 95+71.42 Elev 2320.83 END PROFILE MATCH EXISTING
0.74%, 0.14%, -0.14%, 0.41%, -2.57%, -1.17%

CENTERLINE PROFILE

"SR" 87+30.00 TC = (2328.72)
"SR" 87+76.42 TC = (2328.25)
"SR" 88+22.00 TC = 2327.89
"SR" 89+50.00 TC = (2326.94) MATCH EXIST.
"SR" 89+71.22 TC = 2326.36
"SR" 90+01.31 TC = (2325.04) MATCH EXIST.
"SR" 90+89.44 TC = (2325.32)
"SR" 91+20.50 TC = 2326.68
"SR" 91+50.00 TC = 2327.00
(-1.01%), (-0.79%), (-0.74%), -2.73%, -2.26%, 3.24%, 0.41%

RIGHT SIDE TC PROFILE

PROPOSED SURFACE
EXISTING SURFACE

NOTE: NEW CENTERLINE PROFILE FOR REFERENCE ONLY ON MILL AND OVERLAY SECTIONS. USE TYPICAL SECTIONS FOR NEW MILL/OVERLAY CONSTRUCTION.

Call before you Dig. 1-800-227-2600
UNDERGROUND SERVICE (USA) AND CLARK COUNTY TRAFFIC MANAGEMENT OPERATIONS UNIT (702) 455-7544

AVOID HITTING OVERHEAD POWER LINES IT'S COSTLY!
CALL BEFORE YOU DO OVERHEAD
1-702-593-6111

KEY MAP
PEAK DRIVE
SMOKE RANCH RD.
LAKE MEAD BLVD.
RAINBOW BLVD.
VEGAS DR.
LOST DUTCHMAN DRIVE
WASHINGTON AVE.
SILVERSTREAM AVENUE

1st appd 2/28/02

Las Vegas Valley Water District — 8/6/02 Date

PROJ NO: W7X70800
DESIGN: DEP
DATE: 2/14/2002
SCALE: 1:40
CADFILE:

DAVID E. POTTER, CIVIL ENGINEER, STATE OF NEVADA, No. 8880
STAMP DATE: 7/29/02

Sverdrup CIVIL, INC.
5450 W. SAHARA AVE., SUITE 150
LAS VEGAS, NEVADA 89146-6446
PHONE: (702) 870-2130
FAX: (702) 870-1731

RAINBOW BOULEVARD
SILVERSTREAM AVE. TO SMOKE RANCH ROAD

ROADWAY PLAN & PROFILE
"SR" 87+00 TO "SR" 94+36.82

SHEET S-10
33 OF 110 SHEETS

DRAWING NO. 107-V3519

NAME: P:\W7X70800\700CADD\702CIVIL\702DWG\70800-rd10.DWG DATE: FEB 27, 2002 TIME: 3:22 PM

45824