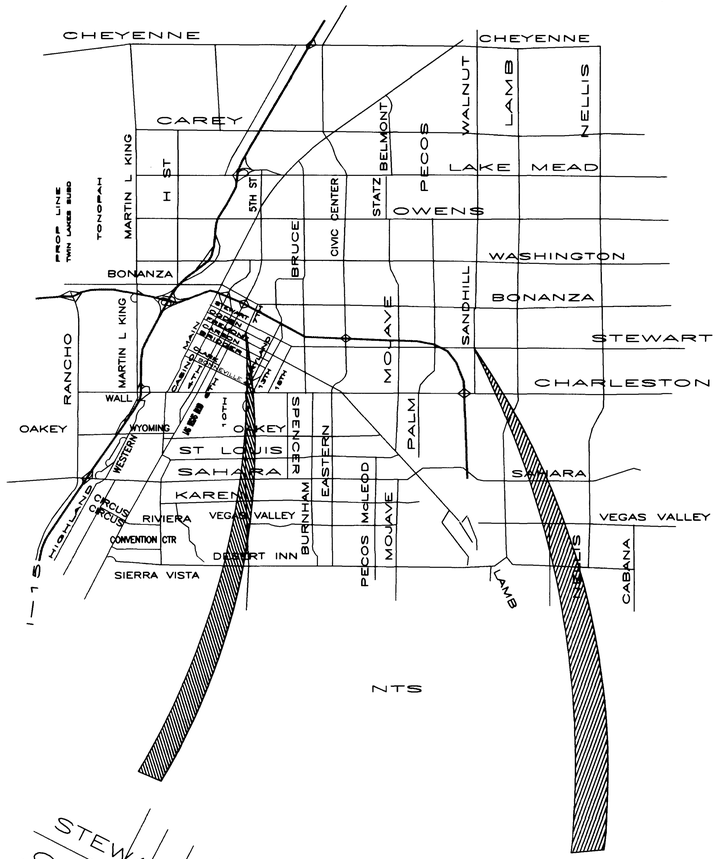
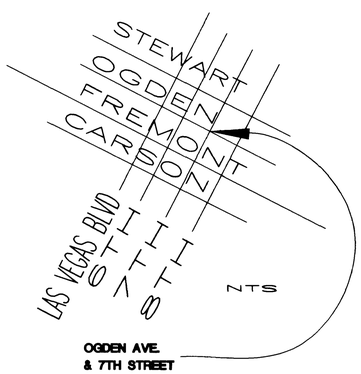
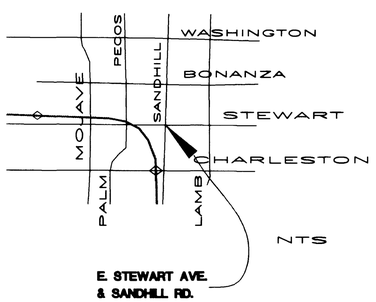




OGDEN AVE.
& 7TH STREET



E. STEWART AVE.
& SANDHILL RD.

GENERAL
TRAFFIC SIGNAL NOTES
CITY OF LAS VEGAS

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO ALL EXISTING UTILITIES. THE FOLLOWING UNDERGROUND UTILITIES MAY BE LOCATED IN THE PROJECT AREA. STREETLIGHTING, TRAFFIC SIGNALS, STORM DRAIN, INTERCONNECT CABLE, WATER, SEWER, ELECTRICAL, GAS, AND CABLE TELEVISION. CALL CALL BEFORE YOU DIG AT 1 800 227-2600 AT LEAST 24 HOURS PRIOR TO WORKING IN THE AREA. CALLING CALL BEFORE YOU DIG DOES NOT RELIEVE THE CONTRACTOR OF ANY LIABILITY FOR DAMAGED UNDERGROUND UTILITIES. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES TO VERIFY, IN THE FIELD, THE LOCATION OF THEIR INSTALLATIONS 72 HOURS PRIOR TO CONSTRUCTION.

2. ALL TRAFFIC SIGNAL INSTALLATIONS SHALL CONFORM TO THE UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS' CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA, VOLUMES I AND II, ADOPTED BY THE REGIONAL TRANSPORTATION COMMISSION APRIL 8, 1992 WITH ALL SUBSEQUENT REVISIONS.

3. SERVICE SHALL HAVE 1-60 AMP SINGLE POLE BREAKER FOR SIGNAL, AND 1-40 AMP SINGLE POLE BREAKERS FOR STREET LIGHTS. SERVICE SHALL BE 200 AMP PADMOUNT.

4. LINE SIDE OF METER TO BE WIRED WITH THREE #3/0 AWG. LOAD SIDE SHALL BE WIRED WITH THREE #4 AWG (2 BLACK, 1 WHITE) AND ONE #8 AWG (GREEN).

5. LUMINAIRES ON ALL SIGNAL POLES SHALL BE 400 WATT HIGH PRESSURE SODIUM CUTOFF (G.E. M400A) WITH MC-111 DISTRIBUTION. EACH LUMINAIRE SHALL HAVE AN INDIVIDUAL 1000 WATT P.E. CONTROL AND BUILT IN BALLAST (120 V.A.C.). FOR LUMINAIRES THERE SHALL BE A #4 AWG THW CONDUCTOR FROM THE SERVICE TO THE CABINET. IN THE CABINET THE #4 AWG CONDUCTOR SHALL BRANCH OFF INTO 4 EACH #10 AWG THW CONDUCTORS INDIVIDUALLY FUSED WITH 10 AMP FUSES. THERE SHALL BE NO SPLICES BETWEEN THE CABINET AND THE LUMINAIRE FIXTURE.

6. THE INTERNALLY ILLUMINATED STREET NAME SIGNS SHALL BE WIRED TO THE LUMINAIRE PHOTO CELL FOR CONTROL WITH #10 AWG COPPER STRANDED WIRE (TYPICAL).

7. CHECK CONDUIT AND CABLE SCHEDULE FOR CONDUIT, CABLE, AND WIRE SIZE. VERIFY ALL EXISTING CONDUIT RUNS.

8. ALL PULLBOXES SHALL BE IN ACCORDANCE WITH UNIFORM STANDARD DRAWINGS NO. 404.110, NO. 404.120, AND NO. 404.130.

9. TRAFFIC SIGNAL CABLE SHALL BE 25 CONDUCTOR #14 AWG SOLID (TYPICAL) CABLE AND SHALL CONFORM TO IMSA SPEC. NO. 20-1. ALL SIGNAL DETECTION WILL BE BY VIDEO.

10. ALL PEDESTRIAN PUSH BUTTON SIGNS SHALL BE 9" X 12" WITH FULL MOUNTING BRACKETS. ALL PUSH BUTTONS SHALL BE MOUNTED BETWEEN 36 IN. MIN. AND 42 IN. MAX. ABOVE THE SIDEWALK. THE MAXIMUM HORIZONTAL REACH DISTANCE AT THE 42 INCH HEIGHT IS TO BE 24 INCHES. PUSH BUTTONS ARE TO BE ADA COMPATIBLE PER SUPPLEMENTAL SPECIFICATIONS 623 T.02.12. SIDEWALK RAMPS WILL BE ACCORDING TO USD NO. 235 (1 THROUGH 4) DATED 6-13-96.

11. THE ROUTING AND TERMINATION OF CONDUITS AND THE PLACING OF POLES AND CABINETS SHALL BE AS INDICATED ON THE PLANS. ALL CHANGES SHALL BE APPROVED BY THE TRAFFIC ENGINEER.

12. IF THE IMPROVEMENTS NECESSITATE THE OBLITERATION, TEMPORARY CONSTRUCTION, TEMPORARY REMOVAL, OR RELOCATION OF ANY EXISTING TRAFFIC PAVEMENT MARKING, SUCH PAVEMENT MARKING SHALL BE RESTORED OR REPLACED TO THE SATISFACTION OF THE CITY, AT THE CONTRACTORS EXPENSE.

13. INSTALL 8Ø CONTROLLER IN TYPE 'R' CABINET ACCORDING TO USS SECTION 623. INSTALL CABINET NEXT TO R.O.W. LINE.

ABBREVIATIONS

@	AT
AC	ASPHALTIC CONCRETE
AGG.	AGGREGATE
APPROX.	APPROXIMATE
B/C, BC	BACK OF CURB
BCR	BACK OF CURB RADIUS
BLDG.	BUILDING
BLK.	BLOCK
BM	BENCHMARK
BVCS	BEGINNING VERTICAL CURVE STATION
BVCE	BEGINNING VERTICAL CURVE ELEVATION
B/W, BW	BACK OF WALK
℄, CL	CENTERLINE
CATV	CABLE T.V.
CLV	CITY OF LAS VEGAS
COMM.	COMMERCIAL
CONC., PCC	CONCRETE, PORTLAND CEMENT CONCRETE
CONST.	CONSTRUCT
CCSD	CLARK COUNTY STANDARD DRAWINGS
C & G	CURB AND GUTTER
DET.	DETAIL
DIA., DIAM.	DIAMETER
DI	DROP INLET
D/W	DRIVEWAY
DWG.	DRAWING
E.	EAST
EA.	EACH
EG	EX. GROUND OR EDGE OF GUTTER
EOP, EP	EDGE OF PAVEMENT
ELEV.	ELEVATION
EVCS	END VERTICAL CURVE STATION
EVCE	END VERTICAL CURVE ELEVATION
EXIST., EX.	EXISTING
EXP. JT.	EXPANSION JOINT
FOC	FACE OF CURB
FL	FLOWLINE
FG	FINISHED GRADE
FH	FIRE HYDRANT
FT.	FOOT/FEET
FUT.	FUTURE
GB	GRADE BREAK
GM	GAS METER
GV	GAS VALVE
HOR.	HORIZONTAL
INT.	INTERSECTION
INV.	INVERT
K	CURVE COEFFICIENT
LF	LINEAL FOOT, LINEAR FEET
LT.	LEFT
MAX.	MAXIMUM
MH	MANHOLE
MIN.	MINIMUM
N.	NORTH
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OG	ORIGINAL GROUND
OHE	OVERHEAD ELECTRIC
PVMT.	PAVEMENT
PC	POINT OF CURVE
PI	POINT OF INTERSECTION
PP	POWER POLE
PT	POINT OF TANGENCY
PB	PULLBOX
R, PL	PROPERTY LINE
PVI	POINT OF VERTICAL INTERSECTION
RCB	REINFORCED CONCRETE BOX
RCP	REINFORCED CONCRETE PIPE
RAD.	RADIUS
RES.	RESIDENTIAL
RET.	RETAINING
RT.	RIGHT
R/W, R.O.W.	RIGHT OF WAY
S.	SOUTH
SD	STORM DRAIN
SF	SQUARE FOOT
SHT.	SHEET
SS	SANITARY SEWER
ST.	STREET
STA.	STATION
STD.	STANDARD
SY	SQUARE YARD
S/W	SIDEWALK
TC	TOP OF CURB
TEMP.	TEMPORARY
TMH	TOP OF MANHOLE
TRANS.	TRANSITION
TYP.	TYPICAL
USD	UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS CLARK COUNTY AREA
USS	UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS CLARK COUNTY AREA
UON	UNLESS OTHERWISE NOTED
VC	VERTICAL CURVE
VG	VALLEY GUTTER
WC	WHEEL CHAIR
W.	WEST
WM	WATER METER
WPJ	WEAKENED PLANE JOINT
WV	WATER VALVE
W/	WITH

LEGEND

- FOUND MONUMENT AS NOTED
- SET MONUMENT AS NOTED
- SEWER MAN HOLE
- POWER POLE
- STREET LIGHT POLE
- FIRE HYDRANT
- WATER VALVE
- GAS VAULT
- TRAFFIC SIGNAL PULL BOX
- STREET LIGHT PULL BOX
- STORM DRAIN MAN HOLE
- SIGN
- SIDEWALK RAMP
- WATER METER
- TELEPHONE VAULT
- DROP INLET

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5	E. STEWART AT SANDHILL RD. SIGNALIZATION PLAN
6	E. STEWART AT SANDHILL RD. TOPO DRAWING

DATE
REVISIONS

SCALE (H) NONE | SCALE (V) NONE | W.A. # | DESIGN BY J.L.C.
DRAWN BY: DIB | DATE APRIL 1997

ENGINEERING DESIGN SECTION
CITY ENGINEER: DENNIS ANDERSON P.E.
PROJECT MANAGER: JOE L. CHRISTENSEN P.E.

CITY OF LAS VEGAS NEVADA

DEPARTMENT OF PUBLIC WORKS

PROJECT: BID NO. 97.1730.22-RH SIGNALIZATION PLANS

SHEET: VICINITY MAP & INDEX Ogden & 7th and Stewart & Sandhill

PROFESSIONAL ENGINEER STATE OF NEVADA
JOSEPH L. CHRISTENSEN
CIVIL
No. 9818
9-19-97

DRAWING NO. 2/6
~~208-V427~~

107-V3121

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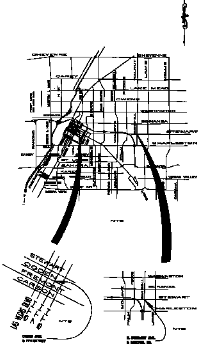

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DEPARTMENT OF PUBLIC WORKS

VICINITY MAP & INDEX
Ogden & 7th and
Stewart & Sandhill

BID NO. 97.1730.20-RH
SIGNALIZATION PLANS

ENGINEERING DESIGN SECTION