LEGEND

- Existing curb, gutter & sidewalk
- Construct conc. curb, gutter and sidewalk
- Construct conc. drive apron where removed or as directed by the Engineer
- Construct A.C. pavement
- Construct conc. valley gutter
- (R) to be removed by others
- Street sign to be removed by others
- Exist paving to remain
- Exist. fire hydrant
- W.V. Exist. water valve
- —S— Exist. sewer manhole
- P.P. Exist. power pole
- Exist. water meter to be removed by others.
- 12" Exist. tree and size
- —x—x— Exist. fence
- Exist. masonry fence
- Exist. guy wire
- Exist. building
- Exist. hedge
- (792) Exist. elevation
- T.C. top of curb
- F.L. flow line
- F.G. finished grade
- 1/20 detail number / sheet number where detail is drawn
- Exist. street light standards
- Bench Mark
- flow line
- 7 Lot number
- (7) Block number
- ---18"S-- Exist. Sewer Line & Size
- --8" W-- Exist. 8" water line
- --3" G-- Exist. 3" Gas line
- --T-- Exist. Telephone Underground line
- Exist. A.C. Pavement
- Equations
- S.W.G. Southwest Gas. Corp.
- L.V.V.W. Las Vegas Valley Water Dist.
- (1.) Construction Notes

UNIT I - STREET CONSTRUCTION

ITEM	DESCRIPTION	APPROX. QUANTITY	UNIT
10-00	Traffic Control		Lump Sum
20-02	Tree Removal	40	Each
20-04	Remove Curb & Gutter	3,168	Lin.Ft.
20-04	Remove Island Curb	100	Lin.Ft.
20-04	Remove Sidewalk	13,265	Sq.Ft.
20-04	Remove Valley Gutter	2,839	Sq.Ft.
20-04	Remove Masonry Wall	265	Lin.Ft.
20-05	Remove A.C. (other than street pavement)	6,000	Sq.Ft.
20-05	Remove A.C. Berm	90	Lin.Ft.
20-06	Remove & Relocate Fence	1,515	Lin.Ft.
20-06	Move Existing Portable School Building	1	Each
20-08	Relocate Fire Hydrants Per C.L.V. Std. Dwgs. S-303 & S-403	5	Each
20-10	Excavation	28,448	Cu.Yds.
20-10	Remove 12" C.M.P.	90	Lin.Ft.
30-21	Construct Type I Aggregate Base Per Typical 1/13 to 6/13 sheet 13	9,562	Cu.Yds.
30-22	Construct Type II Aggregate Base Per Typical 1/13 to 6/13 sheet 13 & sheet 22	3,427	Cu.Yds.
33-40	Construct 3" Asphaltic Concrete Pavement Per Typical 1/13 5/13 & 6/13 sheet 13	33,962	Sq.Yds.
33-40	Construct 2" A.C. Pavement per Typical 2/13 & 3/13	1,074	Sq.Yds.
33-40	Construct 1-1/2" A.C. Pavement for Alleys per C.L.V. Std. Dwg. S-11 for Islands Per Detail 1/13 sheet 13 and Section A-A sheet 22	385	Sq.Yds.
33-40	Construct 1/2" A.C. for Islands per detail 1/13 sheet 13	2,390	Sq.Yds.
34-00	Construct "L" Type Curb & Gutter per C.L.V. Dwg. S-8	8,058	Lin.Ft.
34-00	Construct "A" Type Island Curb Per Typical 5/14 sheet 14 & Section A-A sheet 22	5,791	Lin.Ft.
34-00	Construct 4" Concrete Islands per detail 11/13 sheet 13	80	Cu.Yds.
34-00	Construct 5' Sidewalk Per C.L.V. Std. Dwg. S-7	6,816	Sq.Ft.
34-00	Construct 7' Sidewalk Per C.L.V. Std. Dwg. S-7	4,086	Sq.Ft.
34-00	Construct Concrete Driveway Per C.L.V. Std. Dwg. S-7-B	636	Sq.Ft.
34-00	Construct Standard Valley Gutter Per Std. Dwg. S-10	1,820	Sq.Ft.
34-00	Construct Standard Valley Gutter with Slots Per C.L.V. Std. Dwg. S-10-A	829	Sq.Ft.
34-00	Construct Standard Alley Gutter Per C.L.V. Std. Dwg. S-11	322	Sq.Ft.
42-00	Install Concrete Monuments Per Std. Dwg. S-13-A & S-13-B	33	Each
51-25	Adjust Manholes	17	Each
20-07	Relocate Street Lights	3	Each

ADDITIVE ALTERNATE I-1 (SIDEWALK CONSTRUCTION)

A34-03	Construct Sidewalk per C.L.V. Std. Dwg. S-7	17,556	Sq.Ft.

ADDITIVE ALTERNATE I-2 (STREET CONSTRUCTION)

B10-00	Traffic Control		Lump Sum
B20-02	Tree Removal	6	Each
B20-04	Remove Curb & Gutter	32	Lin.Ft.
B20-04	Remove Concrete Stoop & Overhead Wooden Structure	1	Each
B20-08	Relocate Fire Hydrants Per C.L.V. Dwgs. S-303 & S-403	1	Each
B20-10	Excavation	1,292	Cu.Yds.
B30-21	Construct Type I Aggregate Base Per Typical 1/13 to 6/13 sheet 13	670	Cu.Yds.
B30-22	Construct Type II Aggregate Base Per Typical 1/13 to 6/13 sheet 13 & sheet 22	285	Cu.Yds.
B33-40	Construct 3" Asphaltic Concrete Pavement Per Typical 1/13 5/13 & 6/13 sheet 13	2,091	Sq.Yds.
B33-40	Construct 2" Asphaltic Concrete Pavement Per Typical 2/13 & 3/13	320	Sq.Yds.
B34-00	Construct "L" Type Curb & Gutter Per C.L.V. Dwg. S-8	800	Lin.Ft.
B34-00	Construct 5' Sidewalk Per C.L.V. Std. Dwg. S-7	3,145	Sq.Ft.
B34-00	Construct Standard Valley Gutter Per C.L.V. Std. Dwg. S-10	893	Sq.Ft.
B34-00	Construct Standard Valley Gutter with Slots Per C.L.V. Std. Dwg. S-10-A	960	Sq.Ft.
B34-00	Construct Standard Alley Gutter Per C.L.V. Std. Dwg. S-11	110	Sq.Ft.

UNIT II - STORM SEWER CONSTRUCTION

ITEM	DESCRIPTION	APPROX. QUANTITY	UNIT
20-04	Remove Inlet	1	Each
50-00	Construct Box Outlet Structure Per Detail Sheet 20 4/20	2	Each
50-00	Construct Box Inlet Structure Per Detail 3/20 Sheet 20	1	Each
50-00	Construct Catch Basin #2 Per Detail 9/20	1	Each
50-00	Construct Catch Basin #1 (see sheet 21)	8	Each
50-00	Construct Junction Box/with Manhole Per Detail 1/18 sheet 18	1	Each
51-20	Construct Manholes #1 (see sheet 21) Per Detail 2/21	4	Each
55-64A	Install 15" R.C.P. Per C.L.V. Std. Dwg. S-113	273	Lin.Ft.
55-64B	Install 27" R.C.P. Per C.L.V. Std. Dwg. S-113	1,630	Lin.Ft.
55-64C	Install 36" R.C.P. Per C.L.V. Std. Dwg. S-113	30	Lin.Ft.
20-21D	Trench Excavation & Backfill	2,988	C.Y.
20-21D	Pavement Replacement	800	S.Y.

UNIT III - ELECTRICAL CONSTRUCTION

ITEM	DESCRIPTION	APPROX. QUANTITY	UNIT
L-1	18" Deep Trenching (S.L. & F.A.)	6490	Lin.Ft.
L-2	24" Deep Trenching (S.L. & F.A.)	2166	Lin.Ft.
L-3	1-1/4" Conduit (S.L.)	8485	Lin.Ft.
L-4	1-1/2" Conduit (traffic interconnect)	2610	Lin.Ft.
L-5	Traffic Signal Pull Boxes complete & installed	8	Each
L-6	Service & Control, completely installed & wired including conduit wiring	1	Each
L-7	Modified Type II #7 Ga. Traffic Signal Standard per Drawing 107V-594 sheet 26, complete & installed in place on (60") FB foundation	5	Each
L-8	Type XI #7 Ga. Standard per Drawing S-251-F with luminaire on FB (60") foundation, completely wired & installed including conduit wiring	2	Each
L-9	Type XII #7 Ga. Standard per Drawing S-251-G with luminaire completely installed & wired on FB (60") foundation including conduit wiring	4	Each
L-10	Similar to Pumco Drawing 5460-A except with 15' Traffic Signal Mast Arm with existing fluorescent luminaire mounted, installed & wired on existing FB (60") foundation (Pole to be 7 Ga.)	1	Each
F-1	1-1/4" Conduit (Fire Alarm)	3442	Lin.Ft.
F-2	#3-1/2 Fire Alarm Pull Boxes, complete & installed	12	Each
T-1	Traffic Signal equipment and service installed & wired complete as per Drawing 107V-594, sheets 25 to 28 inclusive and Drawing 208-V94, sheets 1 & 2 (Bid A)	(See Sheet 23 of 32)	
T-2	Traffic Signal equipment installed and wired complete, as per Drawing 107V-594, sheets 25 to 28 inclusive and Drawing 208-V94, sheets 1 & 2 (Bid B)		
A-1	Type X #11 Ga. Standard per Drawing S-251-H with luminaire on FA (48") foundation, complete, installed & wired, including conduit wiring	4	Each
A-2	Type XI #11 Ga. Standard per Drawing S-251-F with luminaire on FA (48") foundation, complete, installed & wired, including conduit wiring	14	Each
A-3	Type XII #7 Ga. Standard per Drawing S-251-G with luminaire, complete & installed on FB (60") foundation, including conduit wiring	7	Each
A-4	Service & Control, complete, installed & wired, including conduit wiring	2	Each

CONSTRUCTION NOTES

1. Construct 3" A.C. paving per section 1/13
2. Construct 2-1/2" A.C. paving per section 4/13
3. Construct "L" concrete curb and gutter 24" width per detail 3/14
4. Construct island curb per detail 5/14
5. Construct 7' wide concrete sidewalk per detail 7/13 where removed or as directed by the Engineer
6. Construct 5' wide concrete sidewalk per detail 7/13 where removed or as directed by the Engineer
7. Construct standard valley gutter per detail 2/14
8. Construct valley gutter 3 slot type per detail 1/14
9. Construct 1-1/2" A.C. pavement per detail 1/13
10. Construct standard alley gutter per detail 7/14
11. Construct 2" A.C. paving per section 2/13
12. Adjust manhole to grade
13. Construct survey monument per City of Las Vegas Standard Drawings S-13A and S-13B
14. Construct 4" concrete islands per detail 11/13 sheet 13
15. Construct 1/2" A.C. for islands per detail 1/13 sheet 13

GENERAL NOTES

1. Stations indicated on plan and profile for street improvements are along centerline of street.
2. All radii for curved curbs are measured from back of curb.
3. Driveway locations indicated on the plans are approximate only and the locations shall be determined in the field during construction.
4. The contractor shall remove all interfering concrete pavements, sidewalks, fences, trees, and shrubs as indicated.
5. The contractor shall reset to finish grades the sanitary sewer manholes, frames and covers as required.
6. All interfering power and telephone poles, gas and water valves, fire hydrants and street signs are to be relocated or reset by others.
7. Asphalt paving shall be constructed true to grade shown, to an accuracy which leaves no depressions detectable by water test.
8. Water test may be required after construction and must be approved by the City Engineer.
9. Adequate water for dust control shall be applied by the contractor during operations of construction.
10. Smooth transition to be formed between edge of new paving and existing surfaces.
11. Rights-of-way, as shown on the plans, will be obtained by the City of Las Vegas. The contractor shall verify the establishment of each right-of-way before beginning construction in location affected.
12. For storm drain general notes see Sheet No. 19.
13. All dimensions and stationing are to back of curb unless otherwise noted.
14. The contractor shall give all utility companies 24 hrs. notice before starting construction.
15. The contractor shall be responsible for protecting existing sewers and sewer manholes, including keeping sewers in proper operating condition. Before final acceptance, all rock, gravel, sand and other debris shall be removed from sewer manholes.

INDEX OF DRAWINGS

NO.	TITLE
1.	Index Street
2.	Eastern Avenue, plan and profile, from sta. 0+00 to sta. 9+51.45
3.	Eastern Avenue, plan and profile, from sta. 9+51.45 to sta. 18+53.36 End
4.	25th Street, plan and profile, from sta. 0+00 to sta. 10+93.23
5.	25th Street, plan and profile, from sta. 10+93.23 to sta. 21+98.57
6.	25th Street, plan and profile, from sta. 21+98.57 to sta. 28+18.61 End
7.	Eastern Avenue, construction control plan, from sta. 0+00 to sta. 9+51.45
8.	Eastern Avenue, construction control plan, from sta. 9+51.45 to sta. 18+53.36 End
9.	25th Street, construction control plan, from sta. 0+00 to sta. 6+80
10.	25th Street, construction control plan, from sta. 6+80 to sta. 12+65.01
11.	25th Street, construction control plan, from sta. 12+65.01 to sta. 20+41.79
12.	25th Street, construction control plan, from sta. 20+41.79 to sta. 28+18.61 End
13.	Typical Street Details I
14.	Typical Street Details II
15.	Eastern Avenue and 25th Street, street intersections
16.	25th Street, street intersections
17.	Eastern Avenue, storm drain plan and profile
18.	Junction structure & manhole - 25th St. & Charleston, Sunrise Ave. plan & profile storm drain
19.	Storm drain plan and profile, Fremont St. & Charleston Blvd.
20.	Typical storm drain details I
21.	Typical storm drain details II
22.	Traffic Islands - Charleston Blvd. & Fremont St.
23-28	Traffic Signals - Charleston, Fremont & Eastern
29-32	Street Lighting & Fire Alarm
2-A	CHANGE ORDER
3-A	CHANGE ORDER
4-A	CHANGE ORDER
15-A	CHANGE ORDER

City of Las Vegas Bench Marks

1. C.L.V. B.M. #267, S.W. Corner Charleston Blvd. & Eastern Ave. - Elev. - 1872.66
2. C.L.V. B.M. #150, S.E. Corner of 25th St. & Sunrise Ave. - Elev. - 1851.71
3. C.L.V. B.M. #323, N.E. Corner Stewart & 25th St. - Elev. - 1844.86

NOTICE TO CONTRACTOR

The existance and location of any underground utility pipes or structures shown on these plans were obtained by a search of the available records and to the best of our knowledge there are no existing utilities except as shown on these plans.

The contractor is required to take due precautionary measures to protect the utility lines shown and any other lines not of record or not shown on these plans.

Victor G. Krametbauer
Nevada R.C.E. No. 1511

REVISIONS

No.	DESCRIPTION	Date	By
A	Storm Drain Quantities	11-27	D.W.
B	Added Sht. #21	11-27	D.W.
C	Storm Drain Quantities	12-15	D.W.
D	Sheets 2A, 2B, 2C & 2D Added	7-28-69	W.J.

VOORHEIS-TRINDLE Co. of NEV.
953A EAST SAHARA AVENUE, SUITE 28 B LV. NEVADA

25TH ST. & EASTERN AVENUE INDEX SHEET

APPROVED BY:
CITY ENGINEER DATE

107 V-594

BID NO. 65.42 CONTRACT NO. C.L.V.242 SHEET 1 OF 32

5-4-1

LEGEND

- Existing curb, gutter & sidewalk
- Construct conc. curb, gutter and sidewalk
- Construct conc. curb where removed or as directed by the Engineer
- Construct A.C. pavement
- Construct conc. valley gutter
- (R) to be removed by others
- Street sign to be removed by others
- Exist. parking to remain
- Exist. fire hydrant
- Exist. water valve
- Exist. sewer manhole
- Exist. power pole
- Exist. water meter to be removed by others.
- Exist. tree and size
- Exist. fence
- Exist. masonry fence
- Exist. guy wire
- Exist. building
- Exist. hedge
- Exist. elevation
- TC Top of curb
- FL Flow line
- FG Finished grade
- detail number / sheet number where detail is drawn
- Exist. street light standards
- Bench Mark
- Pine line
- 7 Lot number
- Block number
- 18" Exist. Sewer / Line Size
- 8" Exist. 8" water line
- 3" Exist. 3" gas line
- T Exist. Telephone Underground line
- Exist. A.C. Pavement
- Equipment
- S.W.G. Southwest Gas Corp.
- L.V.V.W. Las Vegas Valley Water Dist.
- Construction Notes

NOTICE TO CONTRACTOR

The accuracy and location of any underground utility pipes or structures shown on these plans were obtained from records of the certified records and to the best of our knowledge these are so noted by additional sources as about as this plan.

The contractor is required to take due precautionary measures to protect the utility lines shown and any other lines not of record or not shown on these plans.

Victor G. Brambilla
Nevada R.E. No. 5811

REVISIONS		
NO.	DESCRIPTION	DATE BY
A	Bldg. Dir. Committee	8-27 B.S.
B	Added Sht. "H"	9-27 B.S.
C	Bldg. Dir. Committee	9-28 B.S.
D	Grade Lt. Sh. 2 & 3 Added	9 Nov 94

VOORHEES-TRIBBLE Co. of NEV.

25TH ST. & EASTERN AVENUE

INDEX SHEET

APPROVED BY CITY ENGINEER

107 V-894