

STREET LIGHT SPECIFICATIONS

ALL STREET LIGHTING INSTALLATIONS EXCEPT AS NOTED ON THE STREET LIGHTING PLANS SHALL CONFORM TO THE STANDARD DETAILS FOR STREET LIGHTING AND SIGNALS SIGNS & MARKS 5-770 INCLUDING STANDARD STREET LIGHTING NOTES WITH REVISIONS NO. 15 & 16 DATED MARCH 20, 1975. THESE INSTALLATIONS SHALL ALSO CONFORM TO THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OF OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA AND THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, CLARK COUNTY AREA, NEVADA, WHERE APPLICABLE.

NEW SERVICE REQUIRED

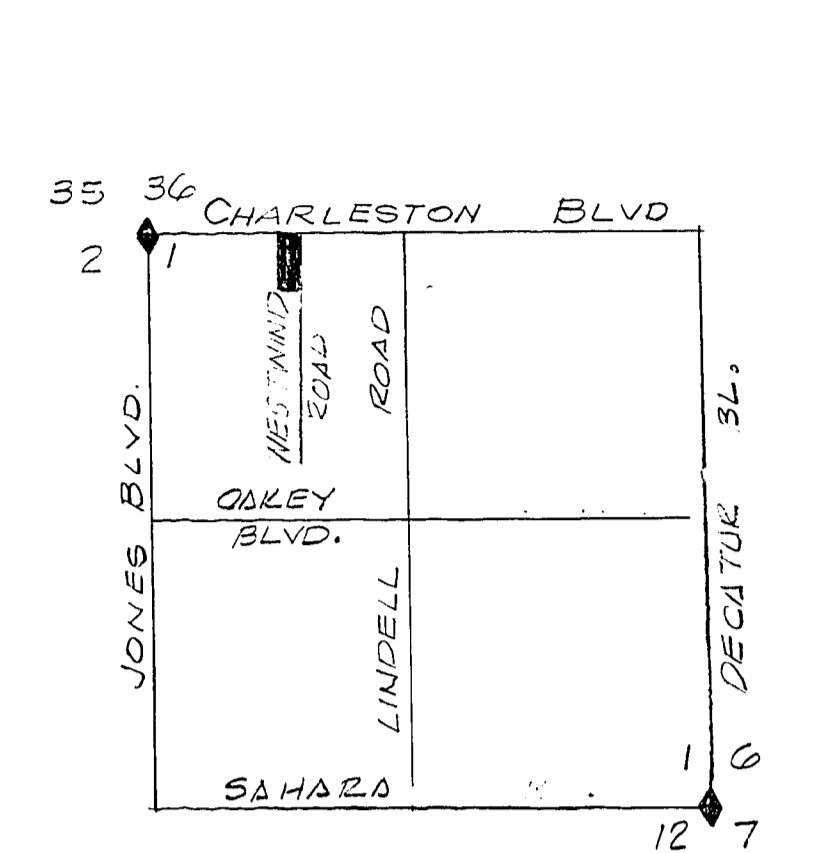
- STANDARD NOTES FOR STREET LIGHT INSTALLATIONS**
- SERVICE POINTS SHALL BE DESIGNATED BY NEVADA POWER COMPANY, AND WHERE EVER POSSIBLE, BE LOCATED NEAR THE CENTER OF THE CIRCUIT. NEVADA POWER SHALL BE NECESSARY ON ALL PRINTS.
 - ALL STREET LIGHT STANDARDS SHALL BE PLACED 12" IN FRONT OF BACK OF SIDEWALK TO THE CENTER OF THE POLE.
 - IT SHALL BE ASSUMED THAT IN THE ABSENCE OF AN EXISTING WORKABLE CIRCUIT TO ATTACH TO, ALL INSTALLATIONS SHALL REQUIRE A NEW SERVICE FOR OPERATION OF THE CIRCUIT.
 - ANY PLACE THERE IS AN OVERHEAD UTILITY THAT MAY CONFLICT WITH THE INSTALLATION OF THE STREET LIGHTING CIRCUITS AND/OR POLES, THESE CONFLICTS MUST BE RESOLVED BETWEEN THE DEVELOPER AND THE UTILITIES INVOLVED AT NO EXPENSE TO CLARK COUNTY.
 - THE CONTRACTOR SHALL FURNISH COMPLETE SERVICE TO TRANSFORMERS AND CONTROL SYSTEMS IF REQUIRED.
 - ANY STRUCTURES SUCH AS BLOCK WALLS, CHAIN LINK FENCES, RETAINING WALLS, ETC. SHALL LEAVE A VISION CLEARANCE OF TWO (2) FEET TO THE CENTER OF THE STREET LIGHTING POLE ON ALL SIDES, AND SHALL AT NO TIME COMPLETELY ENCLOSE THE STREET LIGHTING POLE.

QUANTITIES

QUANTITY ESTIMATES
(BONDING PURPOSES ONLY)

NO	DESCRIPTION	QUANTITY	UNIT
1	Saw Cut Pavement	392	Lin. Ft.
2	AC Pavement Removal	15,020	Sq. Ft.
3	Curb & Gutter Removal	62	Lin. Ft.
4	Type "L" Curb & Gutter	411	Lin. Ft.
5	Concrete Sidewalk 4"	3,340	Sq. Ft.
6	Concrete Driveway-Commercial	644	Sq. Ft.
7	1 1/2" AC Pavement(Temporary)	2,495	Sq. Ft.
8	2" AC Pavement	16,141	Sq. Ft.
9	Type I Gravel Base	221	Cu. Yds.
10	Type II Gravel Base	203	Cu. Yds.
11	175 Luminaire	3	Each
12	Underground Conduit	507	Lin. Ft.
13	Service Point	1	Each
14	Water Services	1	Each
15	12" Class III RCP Storm Drain Pipe	552	Lin. Ft.
16	Storm Drain Manhole	2	Each
17	4" VC Pipe-House Laterals	20	Lin. Ft.
18	Wheel Chair Ramp To Be Determined By Clark County Inspector		

VICINITY MAP



INDEX OF SHEETS

SHEET	DESCRIPTION
1	ABBREVIATIONS, BENCHMARK, INDEX OF SHEETS, NOTES, QUANTITIES & DETAILS, STANDARDS, & VICINITY MAP.
2	IMPROVEMENT PLAN CHARLESTON BLVD. & WESTWIND RD.

APPROVALS

LAS VEGAS VALLEY WATER DISTRICT
sht. No. _____ Date Signed _____

[Signature] 3-15-79
CLARK CO. FIRE DEPARTMENT DATE

see sheet 2
NEVADA POWER CO. 3-14-79
DATE

[Signature] 3-12-78
CLARK CO. ELECTRICAL DEPARTMENT DATE

[Signature] 3-12-78
REGIONAL ST. & HWY. DATE

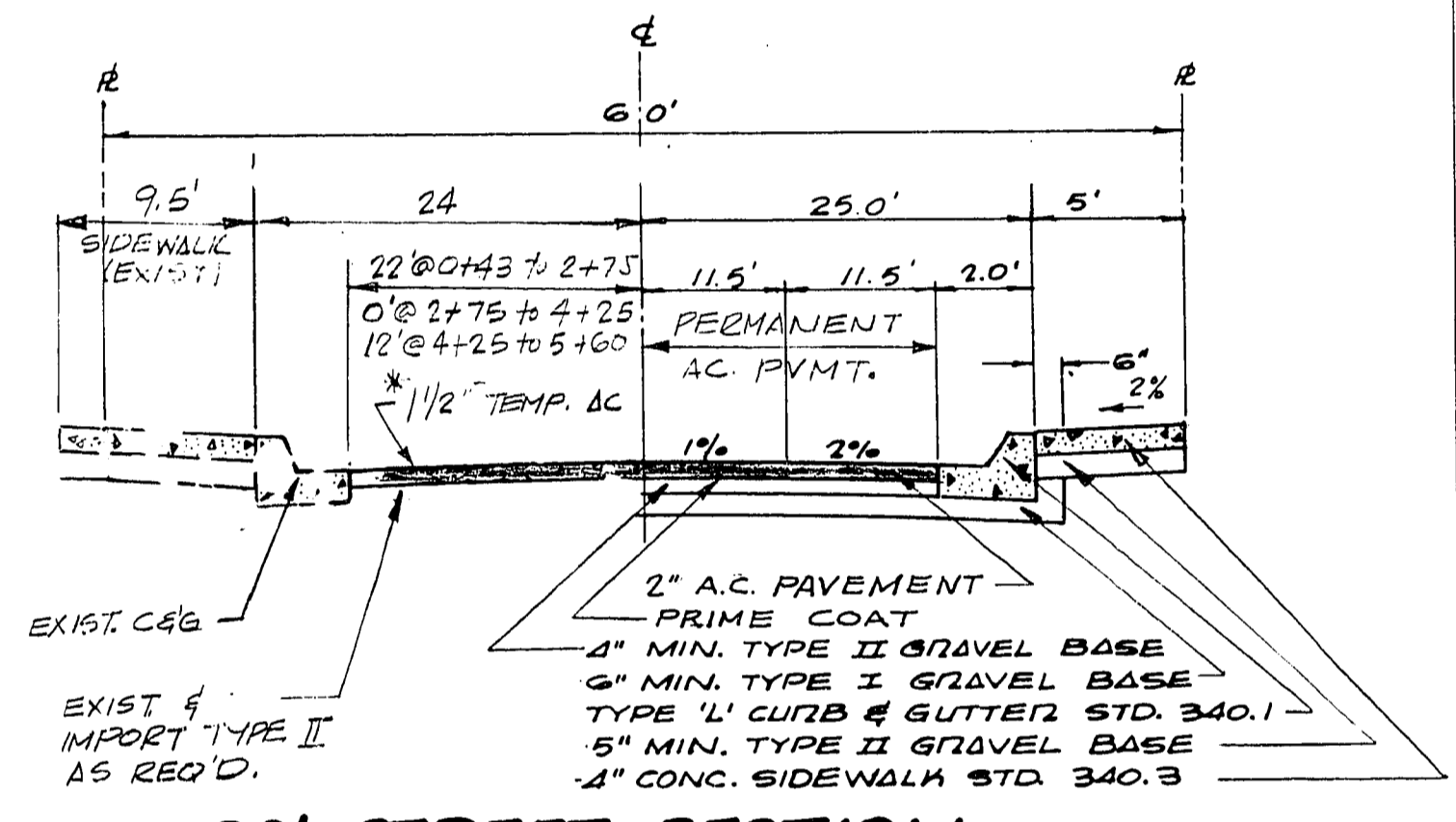
[Signature] 3-12-79
CLARK CO. ENGINEERING DEPT. DATE

BENCHMARK

BRASS CAP @ TOP OF CURB ON NORTHWEST RETURN OF CHARLESTON BLVD. & MOHAWK DR. ELEV. 2243.10

GENERAL NOTES

- All construction and materials shall be in accordance with the "Uniform Standard Specifications for Public Works Construction Off-site Improvements, Clark County Area Nevada", issued 1978; the "Uniform Standard Drawings for Public Works Construction, Clark County Area"; any other applicable approved standards issued by the controlling agency; the Uniform Building Code; and all Local City Codes and Ordinances Applicable.
- The existence and location of any underground utility pipes or structures shown on these plans are obtained by a search of the available records. To the best of our knowledge there are no existing utilities except as shown on these drawings. The contractor is required to take precautionary measures to protect the utility lines shown and any other lines not of record or not shown on these drawings.
- All grades are referenced to the top of the construction grade stakes or nails and this rule shall be observed: Three consecutive construction grade stakes or nails corresponding to three consecutive points shown on the approved plans as a straight grade shall be used in common and any variation shall be reported in writing to Alca. before work proceeds. Contractors doing otherwise shall proceed at their total risk and responsibility.
- The quantity estimates shown hereon are approximate and no one is to rely upon them for pay quantities. Each and every contractor shall have a set of approved plans and specifications on the job site at all times and shall rely upon them to a higher degree than the construction stakes in prosecuting the work.
- All construction shall be as shown on these plans, any alterations shall have the prior approval of the City Engineer.
- Contractor shall provide all necessary Horizontal and Vertical Transitions for proper drainage, extent of transitions shall be as shown or as determined by City Engineer or Inspector.
- If any curb grades are shown on plan @ less than 0.40%, it is required by this office, that the forms be checked by a survey crew prior to concrete placement. A 48 hour notification of work is required, and if this office is not notified, it will assume no responsibility for finished product.
- All curb and gutter grades are figured on centerline stationing unless otherwise shown.
- All power poles to be relocated at no expense to Clark County.
- Exact location of all sawcut lines shall be determined in the field by a Clark County Inspector.
- Construct wheel-chair ramps as specified on plans per Clark County standard spec. No. D22A. Exact location shall be determined in the field by a Clark County Inspector.

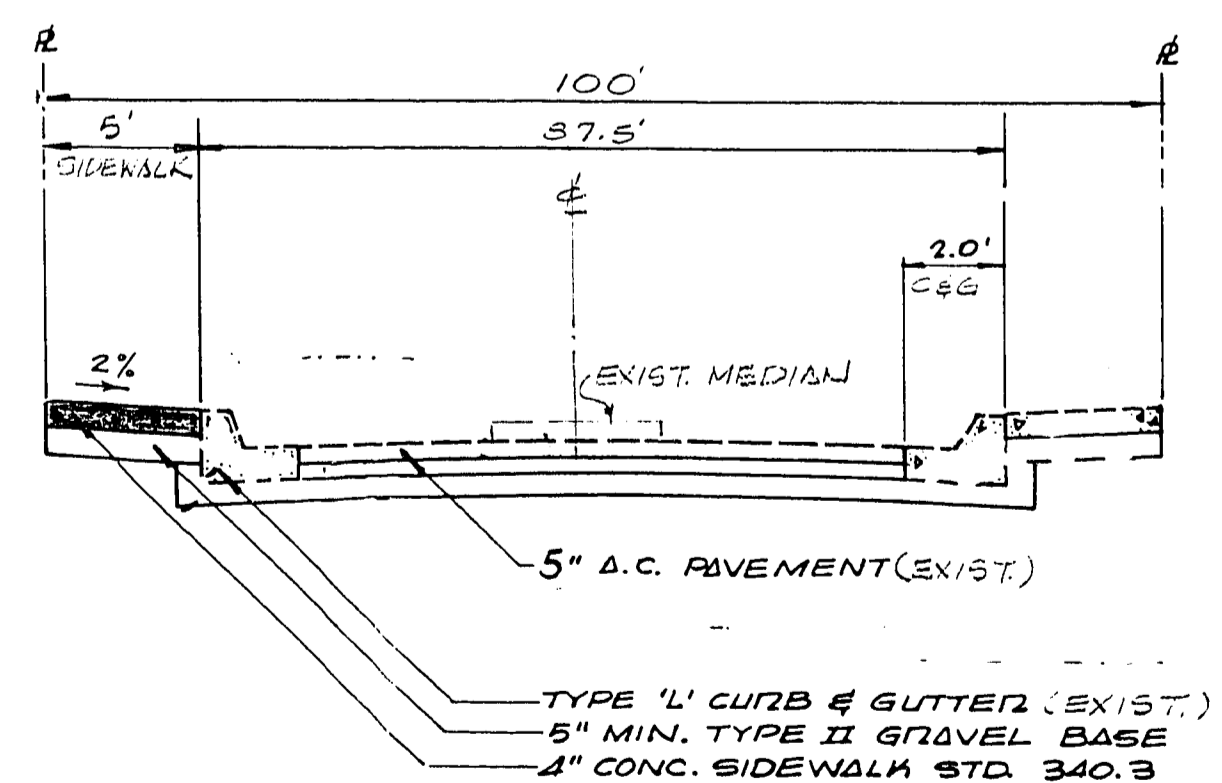


REGIONAL STREET & HIGHWAY NOTE

- WHERE MORE THAN ONE TRAVEL LANE IN EITHER DIRECTION BE PLACED AT ANY TIME.
- BACKFILL WITH SELECT MATERIAL USING MECHANICAL VIBRATION METHODS.
- SAWCUT EXISTING PAVEMENT.
- REPLACE DEEP STRENGTH ASPHALT CEMENT PAVING WITH SAME DEPTH AND LIKE MATERIAL TO ONE FOOT OUTSIDE THE TRENCH AREA WITHIN THE AREA OF CHARLESTON BLVD. CONSTRUCTION.
- REPLACE OPEN-GRADED SURFACE COURSE.
- REPLACE ALL TRAFFIC CONTROL DEVICES REMOVED OR DISTURBED DURING CONSTRUCTION INCLUDING, DELINEATION, PAINT, AND BUTTONS.
- PERMANENT REPAIRS TO BE COMPLETED WITHIN 15 DAYS OF STARTING WORK.
- CONTRACTOR TO WARRANT THE PATCH TO CLARK COUNTY FOR TWO YEARS AFTER ACCEPTANCE BY CLARK COUNTY.
- NORMAL WORK PERMIT MUST BE OBTAINED FROM THE CLARK COUNTY PUBLIC WORKS DEPARTMENT.

ABBREVIATIONS

AC.....Asphaltic Concrete	MIN.....Minimum
ACP.....Asbestos Cement Pipe	NO.....Number
ADJ.....Adjust	NRCP.....Non-reinforced concrete pipe
BC.....Beginning of curve or Back of Curb	OC.....On Center
BCR.....Beginning of curb return or Back of curb radius	OD.....Outside diameter
BDRY.....Boundary	PC.....Point of curvature
BEG.....Begin	PCC.....Point of compound curve or Portland cement concrete
BM.....Bench Mark	PHP.....Plastic High Pressure
BVC.....Beginning of Vertical Curve	PI.....Point of Intersection
C & G.....Curb & Gutter	PL.....Property Line
CF.....Curb Face	PP.....Power Pole
CIP.....Cast Iron Pipe	PRC.....Point of Reverse Curve
CL.....Centerline or Chain Link	PROP.....Proposed
CMP.....Corrugated Metal Pipe	PT.....Point of Tangent
CONC.....Concrete	PVC.....Poly vinyl chloride pipe
CONST.....Construct	PVI.....Point of Vertical Intersection
D.....Diameter of Pipe	PWMT.....Pavement
DBL.....Double	Q.....Rate of Flow
DI.....Drop Inlet	R.....Radius
DIA.....Diameter	RC.....Reinforced Concrete
DMH.....Drop Manhole	RCP.....Reinforced Concrete Pipe
EC.....End of Curve	RT.....Right
ECR.....End of Curb Return	R/W.....Right of Way
EL.....Elevation	SD.....Storm Drain
EVC.....End of Vertical Curve	SHP.....Steel High Pressure
EQ.....Equal	SHT.....Sheet
EX.....Existing	SP MH.....Special Manhole
FG.....Finish Grade	SS.....Sanitary Sewer
PH.....Fire Hydrant	STA.....Station
FL.....Flow Line	STD.....Standard
G.....Gas	STL.....Steel
GB.....Grade Break	SW.....Sidewalk
H.....High or Height	T.....Tangent Distance
HOR.....Horizontal	TC.....Top of Curb
ID.....Inside Diameter	TMH.....Top of Manhole
INV.....Invert	TRANS.....Transition
IP.....Iron Pipe	TSC.....Traffic Signal Conduit
L.....Length	VC.....Vertical Curve
LAT.....Lateral	VCP.....Vitrified Clay Pipe
LF.....Lineal Feet	VERT.....Vertical
LT.....Left	VG.....Valley Gutter
Max.....Maximum	W.....Water
MH.....Manhole	



REVISION NO.	DESCRIPTION	BY	DATE	APPROVAL
2	SEE SHT. 2 OF 2	M.A.	11/17/78	K.S.L.
1	REVISED QTY.	JP	11/17/78	K.S.L.

REVISIONS

RED ROCK SQUARE
CLARK COUNTY, NEVADA

ABBREVIATIONS, APPROVALS, BENCHMARK, INDEX OF SHEETS, NOTES, QUANTITIES, SECTIONS & DETAILS, STANDARDS & VICINITY MAP

ALCA ENGINEERING INC.
CIVIL ENGINEERING - SURVEYING
2765 SOUTH HIGHLAND DRIVE SUITE #103
LAS VEGAS, NEVADA 89109 PH. 732-2105

SCALE (H)	SCALE (V)	DATE	JOB NO.
DES.			7810-4-1
DR. K.B.			
SECT. 1 T215 R G O E			SHEET 1 OF 2