

BENCH MARK

B.M. # 0013222 - BOLT & PLATE IN TOP OF CURB AT THE SW QUAD. OF PALAMINO LAKE & CAMPBELL DRIVE

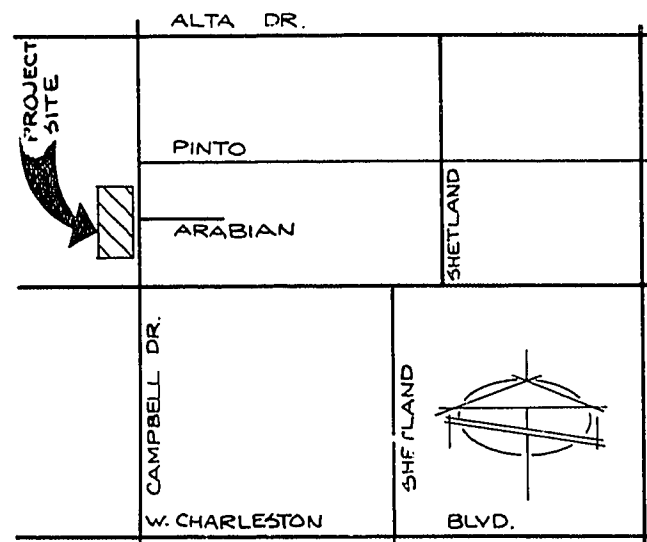
ELEV. = 2102.34 C.L.V. DATUM

UTILITY NOTE

The location of underground utilities shown hereon has been determined from surface evidence of their existence or from information obtained from the utility companies. The Engineer accepts no liability for the existence or non-existence of utility lines. Contractors and others using this map must confirm the location of underground lines or structures with the utility companies prior to commencing any excavation.

QUANTITIES

1" PVC WATERLINE 20 L.F.
1" METER 1 EA.



VICINITY MAP

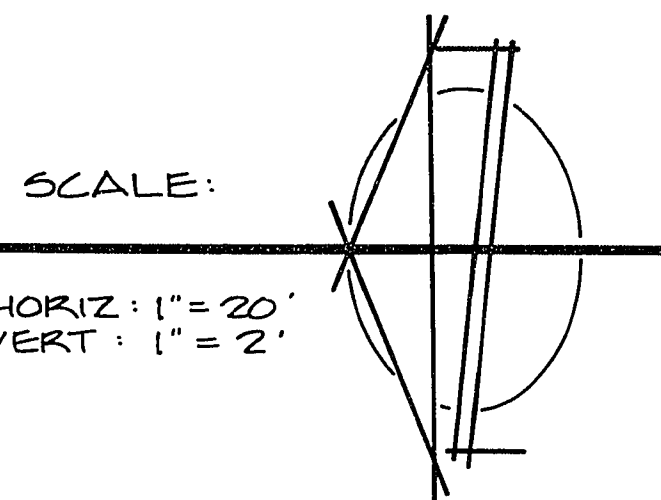
NO SCALE

GENERAL NOTES

- All construction and materials shall be in accordance with the "Uniform Standard Specifications for Public Works Construction" of the City of Las Vegas, Nevada, latest issue, the "Uniform Standard Drawings for Public Works Construction" of the City of Las Vegas, Nevada, latest issue, the "Uniform Standard Specifications for Public Works Construction" of the City of Las Vegas, Nevada, latest issue, the "Uniform Building Code" and all local City codes and ordinances applicable.
- The existence and location of any underground utility pipe or structure shown on these plans are obtained by a search of the available records. 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. Existing utilities are located on plans only for the convenience of the contractor. Existing utility service laterals are not shown on the plans.
- The contractor shall take all precautionary measures necessary to protect existing improvements which are to remain in place, from damage, and all such improvements or structures damaged by the contractor's operations shall be repaired or reconstructed satisfactory to the owner at the expense of the contractor.
- The contractor shall not backfill any trenches in which waterlines have been uncovered until the waterlines have been inspected by the Las Vegas Valley Water District. The Water District shall be notified 48 hours in advance of construction in the vicinity of water lines.
- All construction shall be as shown on these plans, any alterations shall have the prior written approval of the City Engineer.
- Type V cement shall be used in all off-site concrete work. Concrete to be designed for a 5:5 sack mix with a maximum water/cement ratio of 0.45 (as designed by the Soil Engineer). Mix design to be approved by the quality control division prior to use on the project.
- The contractor shall, at his own expense, locate all overhead interference which may affect his operation during construction and shall take all necessary precautions to avoid damage to same. The contractor shall use extreme caution when working near overhead or underground power and/or telephone facilities so as to safely protect all personnel and equipment, and shall be responsible for all costs and liability in connection therewith.
- Permits are required for any work in the public right of way. The contractor shall secure all permits and inspections required for this construction.
- Expansion joints required, maximum every 300' in extruded type curb.
- AC pavement to be 1/2" above lip of all gutters and valley gutter after compaction.
- Apply fog seal only after all corrections and adjustments have been made.
- Curb and gutter with a grade of less than four tenths of one percent shall be constructed by forming. Each joint shall be checked for grade prior to construction and water tested as soon as possible after construction.
- Wheelchair ramps shall be constructed in each quadrant of an intersection per standard drawing 235. Exact location of ramps may be adjusted in the field by a city inspector.
- Contractor shall provide all necessary horizontal and vertical transitions between new construction and existing surface to provide for proper drainage and for ingress and egress to said construction. Extent of transitions to be as shown on plans, or as designated in the field by a City Inspector.
- All grading work shall conform to the soils report as prepared by the Soil Engineer and approved by the City Engineer.
- Exact location of all survey lines may be determined in the field by a City of Las Vegas Inspector. If location on plans is not clearly shown, or existing pavement condition requires relocation.
- The contractor shall take all precautions necessary to protect existing permanent survey monuments. Any monuments disturbed shall be replaced and adjusted per available records to accord with R.R.S. Statute No. 625.530.

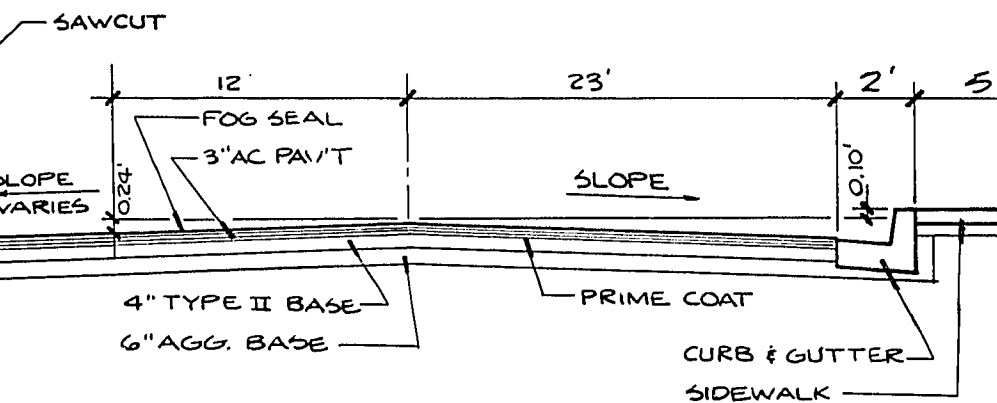
LEGEND

---	PROPERTY LINE
---	STREET CENTERLINE
---	NEW CONCRETE
---	AC PAVEMENT
(00.00)---	EXIST. ELEVATION
00.00---	DESIGN ELEVATION
EP	EDGE OF PAVEMENT
FG	FINISH GRADE
TC	TOP OF CURB
AC	ASPHALTIC CONCRETE



STREET LIGHT NOTE

- All street light installations shall conform to the standard details and specifications of the City of Las Vegas, and shall also conform to the Uniform Standard Specifications for Public Works Construction of Off-Site Improvements, Clark County Area, latest edition, unless otherwise noted.



SECTION @ DRIVEWAY

NO SCALE

WATER NOTES

- Service saddles or tapped collars will be required on all services.
- Parallel sewer and water lines shall have a minimum of 18" horizontal separation. At points where sewer and water lines cross, a minimum vertical separation of 18" is required.
- Deflection angle shall not exceed 2 1/2 degrees per 13 foot section of pipe for pipe sizes 14 inches and shall not exceed 2 degrees for pipe sizes between 14 inches and 16 inches.
- Contractor to provide thrust blocks as required.
- All lines-to-be pressure-tested according to AWWA standards and chlorinated to Standard Drawing No. 518 prior to use and final acceptance.
- All flanged fittings to be coated with EO-244 and wrapped with 10 mil thick polyethylene.
- All valve boxes shall have concrete collars at surface of paved areas per Clark County Area Uniform Standard Drawing No. 517.
- No other utility lines may be placed in the same trench with water lines.
- No water meter boxes are to be placed in driveway area. Service lateral locations shall be field verified prior to paving of street.
- Blue reflectors at centerline of street perpendicular to all fire hydrants shall be required.
- All water lines installed on project shall be minimum Class 150.
- All gate valves to be resilient seated.
- The contractor shall be responsible for the removal of all material spilled on existing roadways on a daily basis.
- Any conflict with existing utilities shall be immediately called to the attention of the Engineer.

APPROVALS

CLV FIRE MARSHALL
NEVADA POWER CO.
CLV CITY ENGINEER

DATE
DATE
DATE

STREET & STREET LIGHT DESIGN
CAMPBELL DRIVE

PROJ. NO.
PG. 172
PG. 172

107-V1702