

GENERAL NOTES

- CONTRACTOR SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITION BETWEEN NEW CONSTRUCTION AND EXISTING SURFACES TO PROVIDE FOR PROPER DRAINAGE AND OF INGRESS AND EGRESS TO SAID CONSTRUCTION, EXTENT OF TRANSITIONS TO BE DETERMINED BY CITY ENGINEER.
- EXISTING UTILITIES ARE LOCATED ON PLANS FOR THE CONVENIENCE OF THE CONTRACTOR ONLY. THE CONTRACTOR SHALL BEAR FULL RESPONSIBILITY FOR THE PROTECTION OF UTILITIES AND THE ENGINEER BEARS NO RESPONSIBILITY FOR UTILITIES NOT SHOWN ON PLANS OR NOT IN THE LOCATION SHOWN ON THE PLANS.
- CONSTRUCTION TO BE PER UNIFORM STANDARD SPECIFICATIONS AND DRAWINGS; CITY OF LAS VEGAS, NEVADA, 1978 EDITION.
- CONSTRUCTION SURVEY:
GRADES ARE GIVEN FROM TOP OF STAKES OR NAILS. THE CONTRACTORS ARE CAUTIONED TO OBSERVE THE FOLLOWING RULE IN USING THE GRADE STAKES GIVEN BY THIS OFFICE FOR PUTTING IN CURBS AND SEWERS: THREE CONSECUTIVE POINTS THAT ARE SHOWN TO BE ON THE SAME RATE OF SLOPE MUST BE USED IN COMMON IN ORDER THAT ANY VARIATION OUT OF A PERFECT STRAIGHT GRADE MAY BE DETECTED, AND IN CASE ANY SUCH DISCREPANCY IS FOUND, THE SAME MUST BE REPORTED, OTHERWISE THIS OFFICE WILL NOT BE RESPONSIBLE FOR ANY ERROR IN THE GRADE OF THE FINISH WORK.
- USE TYPE V CONCRETE IN ALL OFFSITE CONCRETE WORK.
- CHISEL S.W. & G. WHERE THESE LINES PASS UNDER THE CURB.

SEWER NOTES

- HOUSING SERVICES SHALL COMPLY WITH THE WESTERN PLUMBING CODE AS TO SEPARATION DISTANCE.
- ALL HOUSES TO BE SERVED INDIVIDUALLY AS PER SECTION 313 OF THE UNIFORM PLUMBING CODE.
- CONCRETE COLLARS REQUIRED AROUND WATER VALVES AND MANHOLE COVERS AT SURFACE OF PAVED AREAS.

STREET LIGHTING NOTES
STREET LIGHTING SPECIFICATIONS
240 VOLT SINGLE PHASE TWO WIRE SYSTEM

UNDERGROUND

- STREET LIGHTING STANDARDS SHALL BE AS SHOWN BY DRAWING NO. 400.1 PAGE 40 OF UNIFORM STANDARD DRAWINGS AND MUST CONFORM TO SECTIONS 400 AND 405 AND ANY OTHER APPLICABLE SECTIONS OF THE UNIFORM STANDARD SPECIFICATIONS.
- ON 80' R/W STREETS THERE SHALL BE 2 POLES ON DIAGONAL CORNERS.
- ON 100' R/W STREETS THERE SHALL BE ONE POLE AT EACH CORNER.
- HIGH PRESSURE SODIUM LUMINAIRES TO BE USED ON 51' R/W AND 60' R/W STREETS SHALL BE 100 WATT, 240 VOLT I.E.S. DISTRIBUTION TYPE 3, WITH INTEGRAL CONSTANT WATTAGE BALLASTS, SIMILAR TO GENERAL ELECTRIC TYPE M250A CATALOGUE #C728G584 OR APPROVED EQUAL.
- HIGH PRESSURE SODIUM LUMINAIRES TO BE USED ON 80' R/W STREETS AND OVER, SHALL BE 250 WATT 240 VOLT, I.E.S. DISTRIBUTION TYPE 3 WITH INTEGRAL CONSTANT WATTAGE BALLAST SIMILAR TO GENERAL ELECTRIC TYPE M-400A, CATALOG #C724G804 OR APPROVED EQUAL.
- 100 WATT HIGH PRESSURE SODIUM LAMPS SHALL BE SYLVANIA LU100 OR APPROVED EQUAL.
- 250 WATT HIGH PRESSURE SODIUM LAMPS SHALL BE SYLVANIA LU250 OR APPROVED EQUAL.
- PHOTO CELL AND CONTROL TO BE 120 VOLTS. FISHER - PIERCE 6660 OR APPROVED EQUAL.
- SPACING OF STANDARDS SHALL BE 180 FEET MAXIMUM ON 51' R/W AND 60' R/W STREETS ON ONE SIDE.
- SPACING OF STANDARDS SHALL BE 180 FEET MAXIMUM ON 80' R/W STREETS ON EACH SIDE AND STAGGERED.
- SPACING OF STANDARDS ON 100' R/W STREETS OR MORE SHALL BE 120 FEET MAXIMUM ON EACH SIDE AND STAGGERED.
- ALL STANDARDS TO BE SET 18" BACK OF CURB.
- SCH. 40 RIGID NON-METALLIC CONDUIT (PVC) OR APPROVED EQUAL COMPLYING WITH ARTICLE 347 OF THE NATIONAL ELECTRICAL CODE MAY BE USED FOR UNDERGROUND APPLICATIONS AND TO BE WITHIN 12" BACK OF CURB AND 24" COVER.
- FUSE HOLDERS AND CONNECTORS SHALL BE INSTALLED IN THE BASES OF ALL LIGHTING STANDARDS. THE FUSE HOLDERS SHALL BE BUSS-TRON-HEX-AA, WITH RUBBER BOOTS.
- BASE COVERS FOR LIGHTING STANDARDS ARE NOT TO BE INSTALLED BEFORE BREAKOUT CAPS ARE PLACED AND INSPECTED. ALL MATERIAL USED IN UNDERGROUND WIRING, IN BREAKOUT CAPS AND UNDER BASE COVERS TO BE INSPECTED BEFORE INSTALLATION.
- FOUNDATIONS SHALL BE CONSTRUCTED AND LOCATED TO LINE AND GRADE AS DIRECTED BY THE FIELD ENGINEER.
- LIGHTING STANDARD AND MAST ARM CABLE TO LUMINAIRE SHALL BE 10/2 U.F. TYPE 600 VOLT COPPER CABLE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR AVOIDING DAMAGE TO PROPERTY, EITHER PUBLIC OR PRIVATE AND IN THE EVENT OF SUCH DAMAGE, SHALL MAKE SATISFACTORY REPAIRS AT HIS OWN EXPENSE.
- THE CONTRACTOR SHALL FURNISH COMPLETE SERVICE TO TRANSFORMERS AND CONTROL SYSTEMS, IF REQUIRED.
- THE SERVICE POINT STANDARD IS TO BE INSTALLED AT THE APPROVED LOCATION SHOWN ON PLANS AND TO CONFORM TO DRAWING #401.1 PAGE 44 OF THE UNIFORM STANDARD DRAWINGS.
- IN THE SELECTION OF 100 AND 250 WATT HIGH PRESSURE SODIUM LUMINAIRES TO BE USED IN A PARTICULAR DEVELOPMENT ONE APPROVED MANUFACTURER SHALL BE SPECIFIED.
- THESE SPECIFICATIONS TO BECOME EFFECTIVE ON ALL CITY OF LAS VEGAS MULTIPLE STREET LIGHTING DESIGNS APPROVED ON OR AFTER JUNE 1, 1977.
- THESE SPECIFICATIONS SHALL BE SUPERSEDED BY ANY REVISED SPECIFICATIONS IN EXISTENCE AT THE TIME OF INSTALLATION.

BENCHMARK

FLD. BRASS CAP MONUMENT NO R.L.S. 2050 AT & INTERSECTION OF O'BANION DR & TORREY PINES DR., C.W. DATUM.
ELEV. 2336.95

ESTIMATE OF QUANTITIES

STREET IMPROVEMENTS

3 3/4" A.C. PAVEMENT 300 S.Y.
2" A.C. PAVEMENT 5056 S.Y.
"L" TYPE CURB & GUTTER 2416 L.F.
5' CONC. SIDEWALK 7204 S.F.
6' CONC. SIDEWALK 1436 S.F.
CONC. VALLEY GUTTER 508 S.F.
CONC. DRIVEWAY (24' x 5') * 3600 S.F.

WATER

STD. F.H. W/6" G.V. & 6" A.C.P. LAT. 3 EA.
6" A.C.P. 1096 L.F.
3/4" SERVICE LATERAL 30 EA.
METER BOX 30 EA.
24" x 6" TAPPING TEE W/6" G.V. 1 EA.

SEWER

STANDARD MANHOLE 3 EA.
8" V.C.P. 994 L.F.
4" V.C.P. LATERAL 750 L.F.

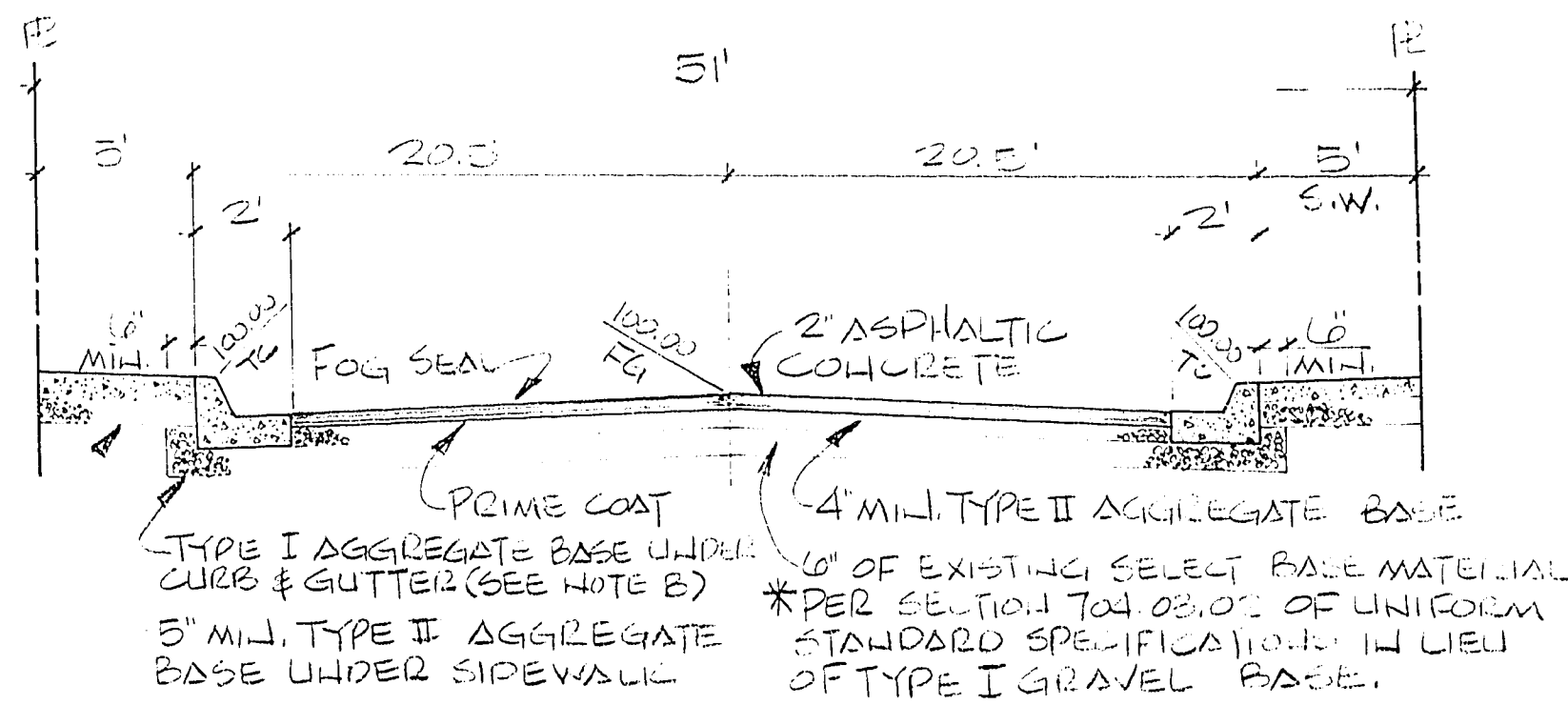
STREET LIGHTING

250 W. LUMINAIRE W/11 GA. POLE 1 EA.
100 W. LUMINAIRE W/11 GA. POLE 6 EA.
1 1/6" P.V.C. 1355 L.F.
#3 1/2 PULL BOX W/METAL COVER 1 EA.

MISCELLANEOUS

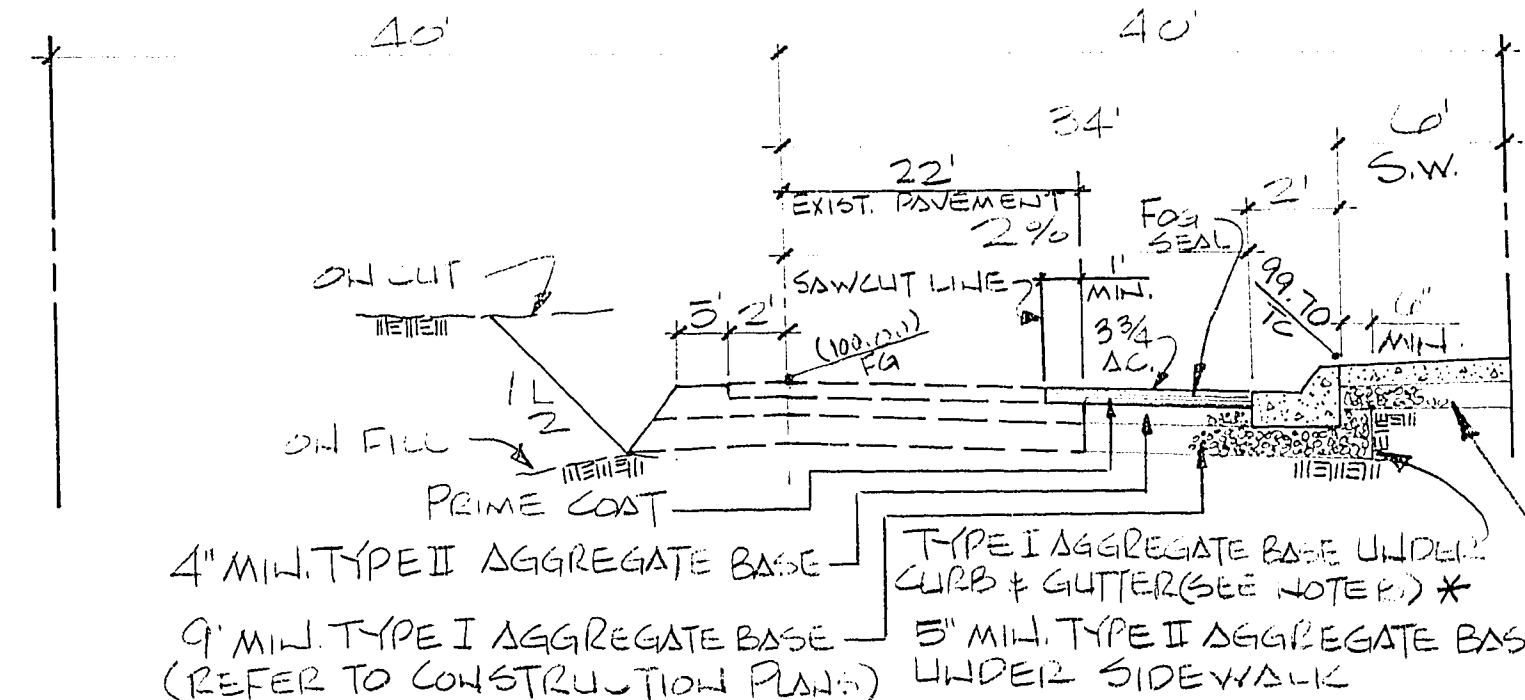
EXCAVATION 12,900 C.Y.
CONCRETE DRAINAGE GUTTER 2,310 S.F.
SIDEWALK UNDERDRAIN 1 EA.

* APPROXIMATE DRIVEWAY QUANTITY. FINAL QUANTITY TO BE DETERMINED FROM THE MODEL SCHEDULE SHOWN ON THE PLOT PLAN.



* SEE NOTES:

TYPICAL 51' R/W STREET



* SEE NOTES:

TORREY PINES DR. SECTION

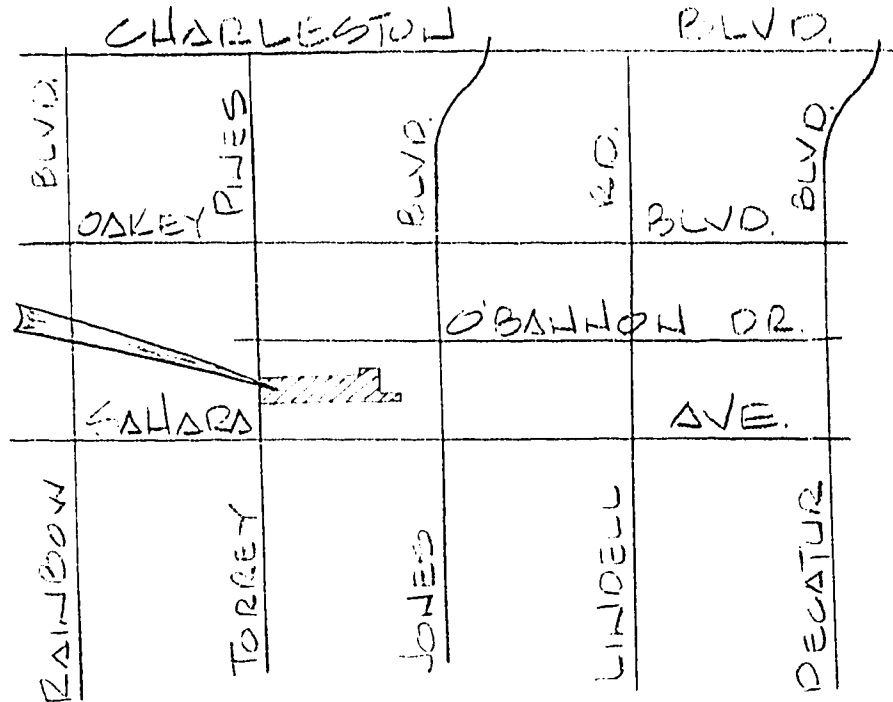
NOTES:

- A.C. PAVEMENT TO BE 1/2" ABOVE LIP OF GUTTER AFTER COMPACTION.
- SUBGRADE FOR TYPE I UNDER CURB AND GUTTER AND UNDER A.C. TO BE CONTINUOUS.
- THE MAXIMUM GRADE BREAK OCCURRING IN THE CROSS SECTION SHALL BE 2% AND SHALL FALL BETWEEN DRIVING LANES OR BETWEEN DRIVING LANE AND A PARKING LANE.
- OWNER AGREES THAT IF THE EXISTING MATERIAL DOES NOT CONFORM TO STANDARD SPECIFICATIONS FOR TYPE I GRAVEL BASE THEN MATERIAL MEETING THOSE SPECIFICATIONS WILL BE IMPORTED.

PROJECT SITE



VICINITY MAP



INDEX OF DRAWINGS

NO.	TITLE
1.	COVER SHEET
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5.	UTILITY PLAN
6.	PEPPERMILL DRIVE
7.	PEPPERMILL DR., NIEMAN WAY & TORREY PINES DR.
8.	GRADING PLAN I
9.	GRADING PLAN II

APPROVALS

CE Sipin
CITY ENGINEER

9.24.82
DATE

James B. Dan
CHIEF, LAND DEVELOPMENT AND FLOOD CONTROL

Sept 17 82
DATE

William C. Kuhn
QUALITY CONTROL ENGINEER

7.23.81
DATE

ENGINEER'S CERTIFICATE

I HEREBY CERTIFY THAT THESE PLANS AND/OR SPECIFICATIONS COMPLY WITH F.H.A. OBJECTIVES, MINIMUM PROPERTY STANDARDS, LOCAL ACCEPTABLE STANDARDS AND REQUIREMENTS, AND REPRESENT THE BEST OF MY PROFESSIONAL JUDGMENT.

LEONARD J. DE LUCA RPE # 3794 7/23/81
DATE

LEWIS HOMES OF NEVADA
LEWIS HOMES - SAHARA NO. II

QUANTITIES, GENERAL NOTES & MISC.

SHEET

4

OF 9 SHEETS

JOB NO. 5543 8120