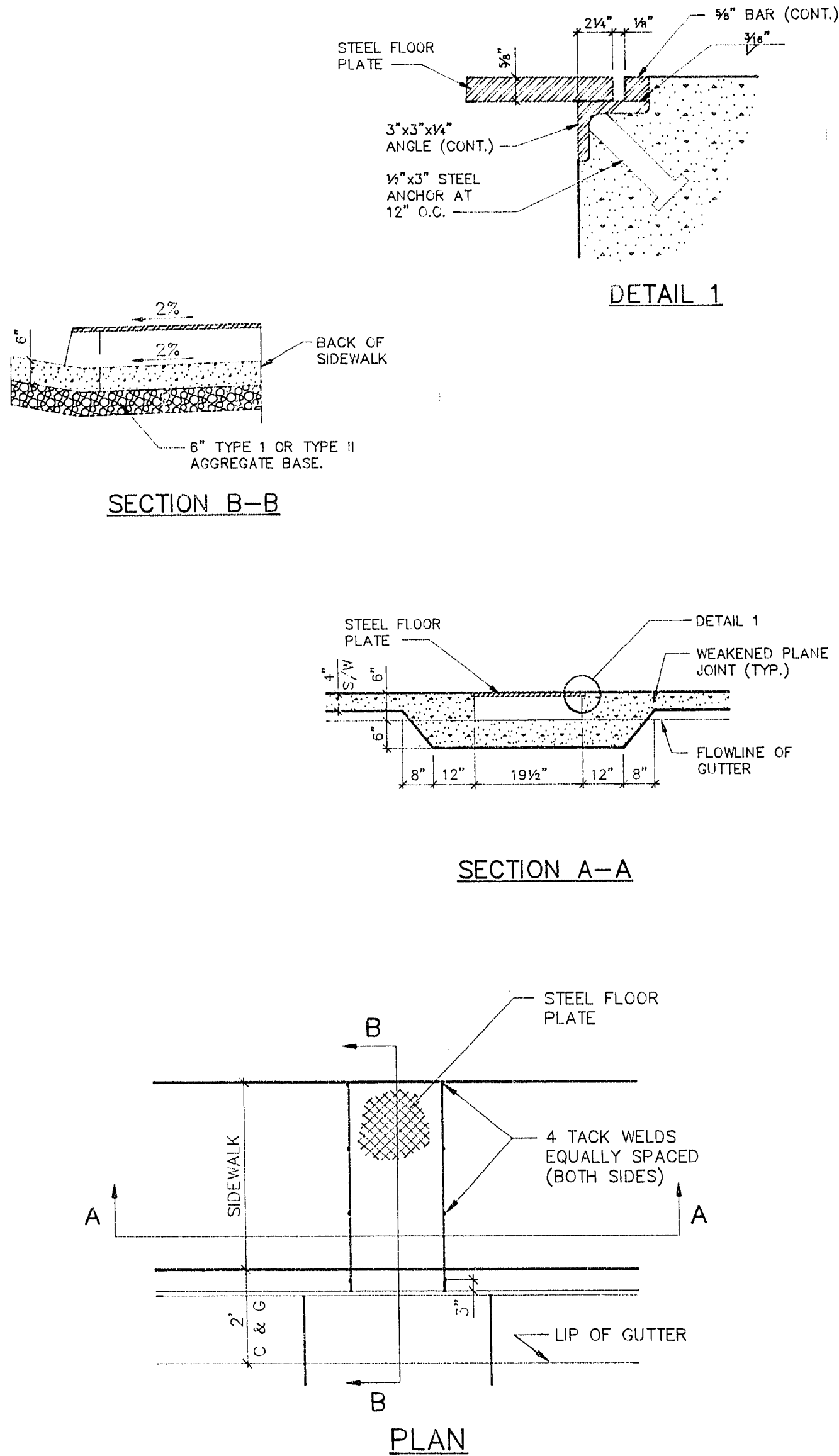


GENERAL NOTES

- ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFFSITE IMPROVEMENTS, CLARK COUNTY AREA NEVADA," LATEST ISSUE; THE "UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION, CLARK COUNTY AREA NEVADA," LATEST ISSUE; AND OTHER APPLICABLE APPROVED STANDARDS ISSUED BY THE CONTROLLING AGENCY; THE UNIFORM BUILDING CODE; AND ALL LOCAL CITY CODES AND ORDINANCES APPLICABLE, EXCEPT AS NOTED ON THIS SHEET.
- THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A RESEARCH 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 MAY NOT BE SHOWN ON THE PLANS.
- 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. (CALL BEFORE YOU DIG 800-227-2600).
- THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING IMPROVEMENTS WHICH ARE TO REMAIN IN PLACE, FROM DAMAGE, AND ALL SUCH IMPROVEMENTS OF STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR RECONSTRUCTED SATISFACTORY TO THE CITY AND/OR UTILITY AT THE EXPENSE OF THE CONTRACTOR.
- THE CONTRACTOR SHALL NOT BACKFILL ANY TRENCHES IN WHICH WATER LINES HAVE BEEN UNCOVERED UNTIL THE WATERLINES HAVE BEEN INSPECTED BY THE LAS VEGAS VALLEY WATER DISTRICT. THE WATER DISTRICT SHALL BE NOTIFIED 40 HOURS IN ADVANCE OF CONSTRUCTION IN THE VICINITY OF WATER LINES.
- ALL CONSTRUCTION SHALL BE AS SHOWN ON THESE PLANS, ANY ALTERNATIONS SHALL HAVE THE PRIOR WRITTEN APPROVAL OF THE CITY ENGINEER.
- TYPE V CEMENT SHALL BE USED IN ALL OFFSITE CONCRETE WORK. CONCRETE TO BE 3000 P.S.I. MINIMUM @ 28 DAYS. 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 INTERFERENCES 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, GAS AND/OR OTHER UTILITIES 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. THIS CONTRACTOR SHALL SECURE ALL PERMITS AND INSPECTIONS REQUIRED FOR HIS CONSTRUCTION.
- EXPANSION JOINTS REQUIRED, MAXIMUM EVERY 300' IN EXTRUDED TYPE CURB.
- AC PAVEMENT TO BE 1/2" ABOVE LIP OF ALL GUTTERS OR CROSS GUTTERS AFTER COMPACTION.
- APPLY FOG SEAL ONLY AFTER ALL CORRECTIONS AND ADJUSTMENTS HAVE BEEN MADE.
- N/A
- CROSS GUTTERS WITH A GRADE OF FOUR TENTHS OF ONE PERCENT OR LESS SHALL BE CHECKED FOR GRADE PRIOR TO CONSTRUCTION AND WATER TESTED AS SOON AS POSSIBLE AFTER CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE PROPER DRAINAGE ACROSS ALL CROSS GUTTERS.
- WHEELCHAIR RAMPS SHALL BE CONSTRUCTED WHERE SIDEWALKS INTERSECT CURBS PER STANDARD DRAWING 235. EXACT LOCATION OF RAMPS MAY BE ADJUSTED IN THE FIELD BY THE ENGINEER.
- CONTRACTOR SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITIONS BETWEEN NEW CONSTRUCTION AND EXISTING SURFACES 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 THE ENGINEER.
- ALL GRADING WORK SHALL CONFORM TO THE SOILS REPORT AS PREPARED BY THE SOILS ENGINEER AND APPROVED BY THE CITY ENGINEER.
- EXACT LOCATION OF ALL SAWCUT LINES MAY BE DETERMINED IN THE FIELD BY A CITY OF LAS VEGAS INSPECTOR OR ENGINEER IF LOCATION ON PLANS IS NOT CLEARLY SHOWN, OR EXISTING PAVEMENT CONDITION REQUIRES RELOCATION.
- THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PROTECT EXISTING MONUMENTS. ANY MONUMENTS DISTURBED SHALL BE REPLACED AND ADJUSTED PER AVAILABLE RECORDS IN ACCORDANCE WITH N.R.S. STATUTE NO. 625.550
- UTILITY COMPANY METER BOXES, MANHOLE LIDS, VALVE COVERS, ETC. SHALL BE LOCATED OUT OF DRIVEWAYS, DRIVEWAY APRONS, FLOWLINES, AND VALLEY GUTTERS UNLESS WRITTEN APPROVAL IS GRANTED BY THE CITY & UTILITY COMPANY.



SIDEWALK UNDERDRAIN
CONFORM TO STANDARD DRAWING NO. 236

NO.	TITLE
1.	COVER SHEET
2.	MISCELLANEOUS NOTES & QUANTITIES
3.	UTILITY PLAN 1
4.	UTILITY PLAN 2
5.	LUNING DRIVE
6.	HOLLY AVENUE
7.	RISING LEGEND WAY
8.	ROBIN STREET
9.	SOLDIER CREEK COURT & DUCK ARROW CIRCLE
10.	ELLINGSON DRIVE
11.	GRADING PLAN 1
12.	GRADING PLAN 2
13.	GRADING PLAN 3
14.	GRADING PLAN 4
15.	GRADING DETAILS, NOTES & MISCELLANEOUS

DEVIATIONS FROM STANDARDS:

- LUNING DRIVE AND ROBIN DRIVE ARE OFFSET CROWN STREETS.
- VERTICAL CURVES ON SHEETS 8 & 9 DEVIATE FROM 200' MINIMUM LISTED IN CODE.

Avoid cutting underground utility lines. It's costly.

Call before you Dig.

1-800-227-2600
UNDERGROUND SERVICE ALERT (USA)

APPROXIMATE QUANTITIES

	SHEET 4	SHEET 5	SHEET 6	SHEET 7	SHEET 8	SHEET 9	SHEET 10	TOTAL
TEMPORARY 2" A.C. PAVEMENT			90 S.Y.		83 S.Y.			320 S.Y.
1-1/2" A.C. PAVEMENT W/4" TYPE II & 6" TYPE I BASE				1614 S.Y.	4387 S.Y.	3432 S.Y.	3118 S.Y.	12151 S.Y.
2" A.C. PAVEMENT W/4" TYPE II & 6" TYPE I OR II BASE		3350 S.Y.	1878 S.Y.					5228 S.Y.
"L" TYPE CURB AND GUTTER W/6" TYPE I OR II BASE		1086 L.F.	546 L.F.	600 L.F.	2047 L.F.	1579 L.F.	1294 L.F.	6392 L.F.
5' CONCRETE SIDEWALK W/5" TYPE II BASE		5430 S.F.	2730 S.F.	2280 S.F.	5805 S.F.	4053 S.F.	3710 S.F.	24008 S.F.
CONCRETE DRIVEWAY W/6" TYPE II BASE (2-CAR GARAGE)				720 S.F.	3360 S.F.	3840 S.F.	2760 S.F.	10680 S.F.
8' CONCRETE VALLEY GUTTER W/10" TYPE I OR II BASE				768 S.F.	2771 S.F.			2819 S.F.
8" SEWER PIPE				549 S.F.	1198 S.F.	724 S.F.	654 S.F.	3125 S.F.
4" SEWER LATERAL				2955 L.F.				2955 L.F.
STANDARD MANHOLE				4 EA.	6 EA.	2 EA.	3 EA.	15 EA.
SEWER WYE FOR FUTURE SERVICE		11 EA.						11 EA.
SIDEWALK UNDERDRAIN		1 EA.			1 EA.			2 EA.
100 WATT H.P.S. STREET LIGHT		15 EA.						15 EA.
NO. 3-1/2 PULL BOX		5 EA.						5 EA.
6" D-3 STREET NAME SIGN		5 EA.						5 EA.

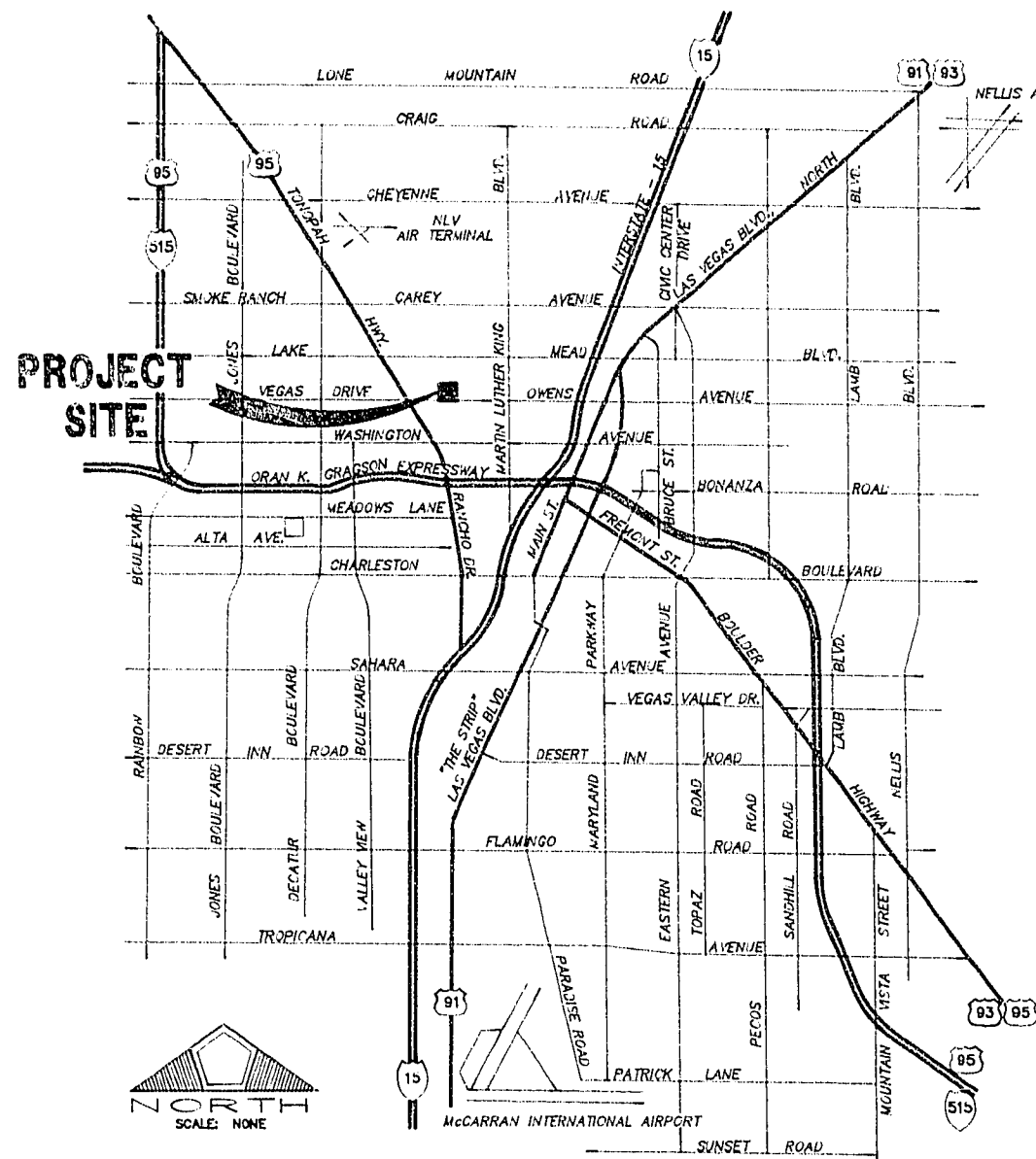
2 STAGE PAVING REQUIREMENTS

- DEVELOPER WILL PROVIDE FIRST 1 1/2" OF A.C. PAVING AFTER FINAL CONSTRUCTION ACCEPTANCE BY THE CITY OF LAS VEGAS. THE CITY WILL BE RESPONSIBLE FOR THE PLACEMENT OF FINAL ASPHALT LIFT OF 1" ON ANY STREET SURFACE FINISHING REQUIRED.
- SURVEYORS SHALL STAKE 1" BELOW ANY A.C. ELEVATIONS SHOWN ON THE PLANS FOR CONSTRUCTION PREFORMED BY THE DEVELOPER ON ALL PUBLIC STREETS.
- ALL UTILITY APPURTENANCES SHALL BE STAKED AND CONSTRUCTED TO MATCH FINAL FINISH GRADE.

WATER QUANTITIES SEE SHEET 3 OF 15

NOTE TO CONTRACTOR:

QUANTITIES SHOWN ARE APPROXIMATIONS ONLY AND ARE INTENDED TO ILLUSTRATE SCOPE OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE EXACT QUANTITIES INVOLVED.



VICINITY MAP

BENCHMARK

CLV BM NO. 06129 B6
RIVET AND PLATE IN TOP OF CURB AT THE SOUTHEAST CORNER OF THE INTERSECTION OF VEGAS DRIVE AND CHEROKEE LANE.
ELEVATION = 2104.72 CITY OF LAS VEGAS DATUM

BASIS OF BEARING

NORTH 89°22'55" EAST, BEING THE BEARING OF THE SOUTH LINE OF THE SOUTHWEST QUARTER (SE 1/4) OF SECTION 20, TOWNSHIP 20 SOUTH, RANGE 61 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, AS SHOWN ON THE PLAT OF "SIERRA NEVADA NO. 1" ON FILE IN THE CLARK COUNTY RECORDER'S OFFICE AS PAGE 95 OF BOOK 8 OF PLATS.

OWNER/DEVELOPER

THE HORN COMPANY

2450 CHANDLER AVENUE, #14-A
LAS VEGAS, NEVADA 89120
PHONE: 795-0050

APPROVALS

CITY OF LAS VEGAS

Dennis Anderson
CITY ENGINEER
DENNIS ANDERSON, P.E.

2-20-92
DATE

NO.	DESCRIPTION	DATE	APPROVED

RECOMMENDED:
DATE: 12/05/91
DRAWN BY: S.T.S.
DESIGNED BY: C.K.
CHECKED BY: J.
JOB NO.: 090.0120
SCALE: 1"=100'
NORTH

PENTACORE
Engineering, Inc.
(702) 258-0115
8763 West Charleston Boulevard
Las Vegas, Nevada 89102

THE HORN COMPANY
TWIN LAKES RANCH UNIT NO. 1
MISCELLANEOUS NOTES AND QUANTITIES

SHEET
2
OF 15