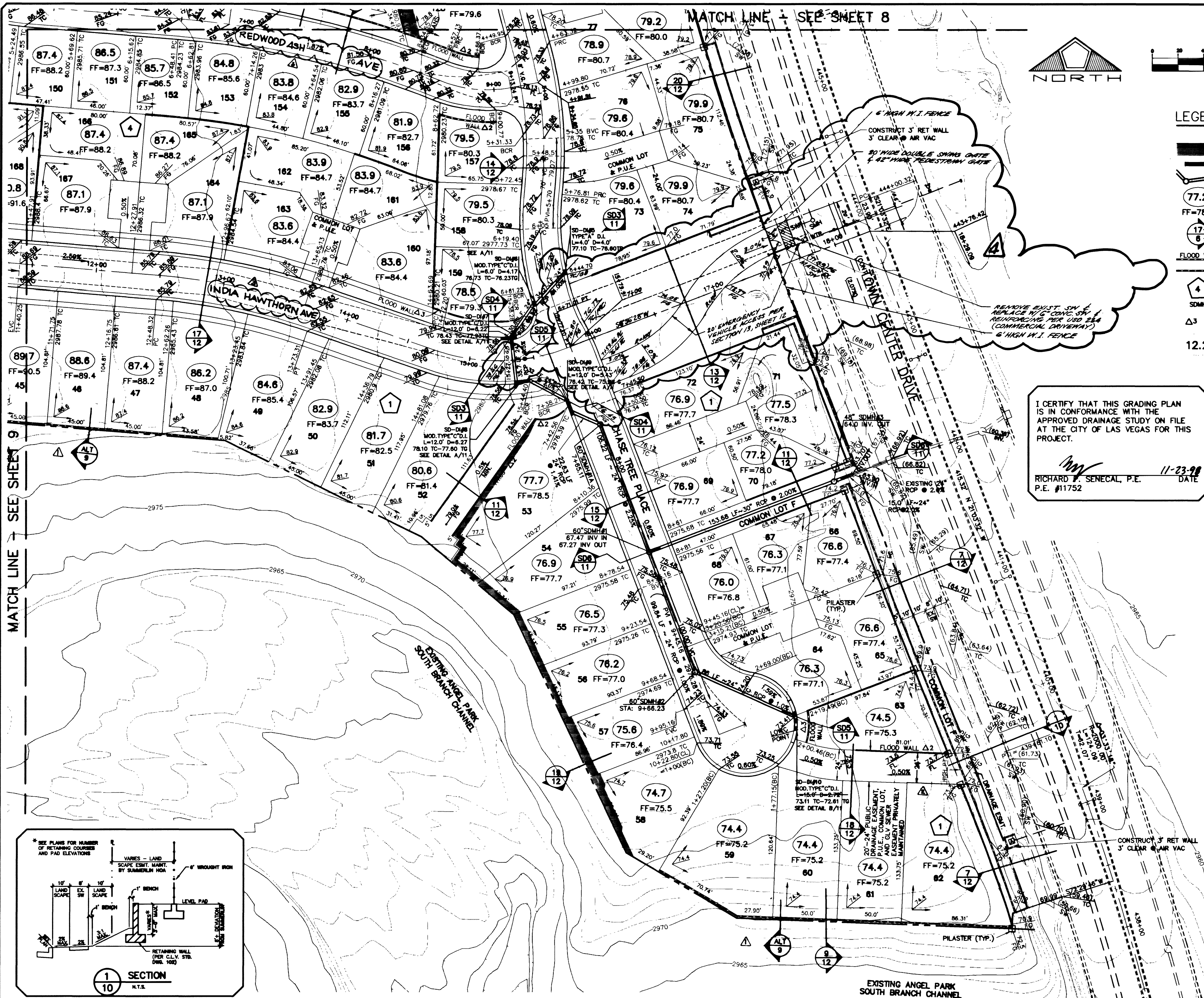
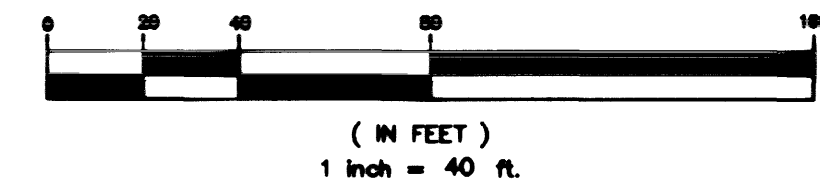


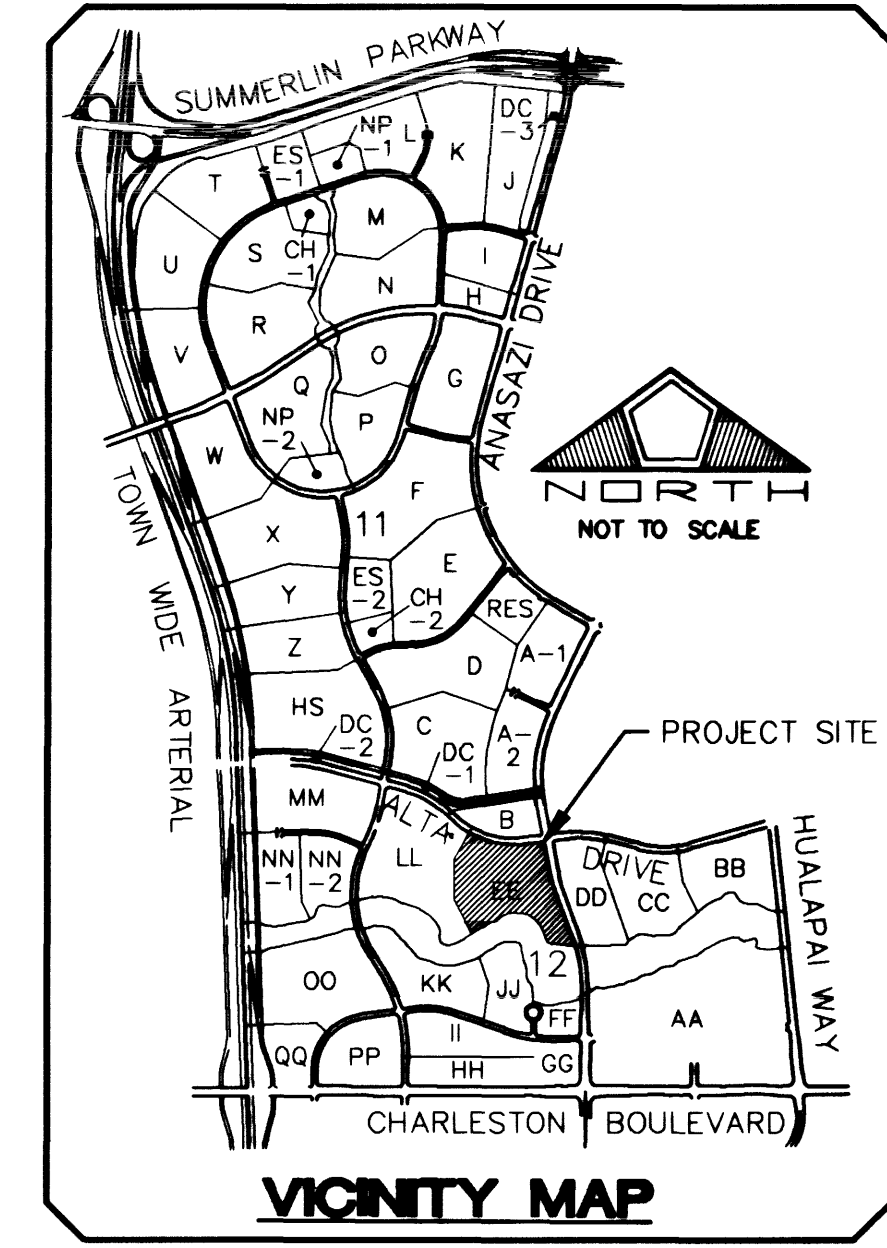


GRAPHIC SCALE



LEGEND

- EASEMENT LINE
- SCARP
- STORM DRAIN DROP INLET
- STORM DRAIN LINE AND MANHOLE
- 77.2 PAD ELEVATION
- FF=78.0 FINISH FLOOR ELEVATION
- 12-6 DETAIL NUMBER
- 12-8 SHEET NUMBER
- FLOOD WALL
- RETAINING WALL
- 4 BLOCK NUMBER
- SDMH STORM DRAIN MANHOLE
- 12.2 EXIST. PAD ELEVATION

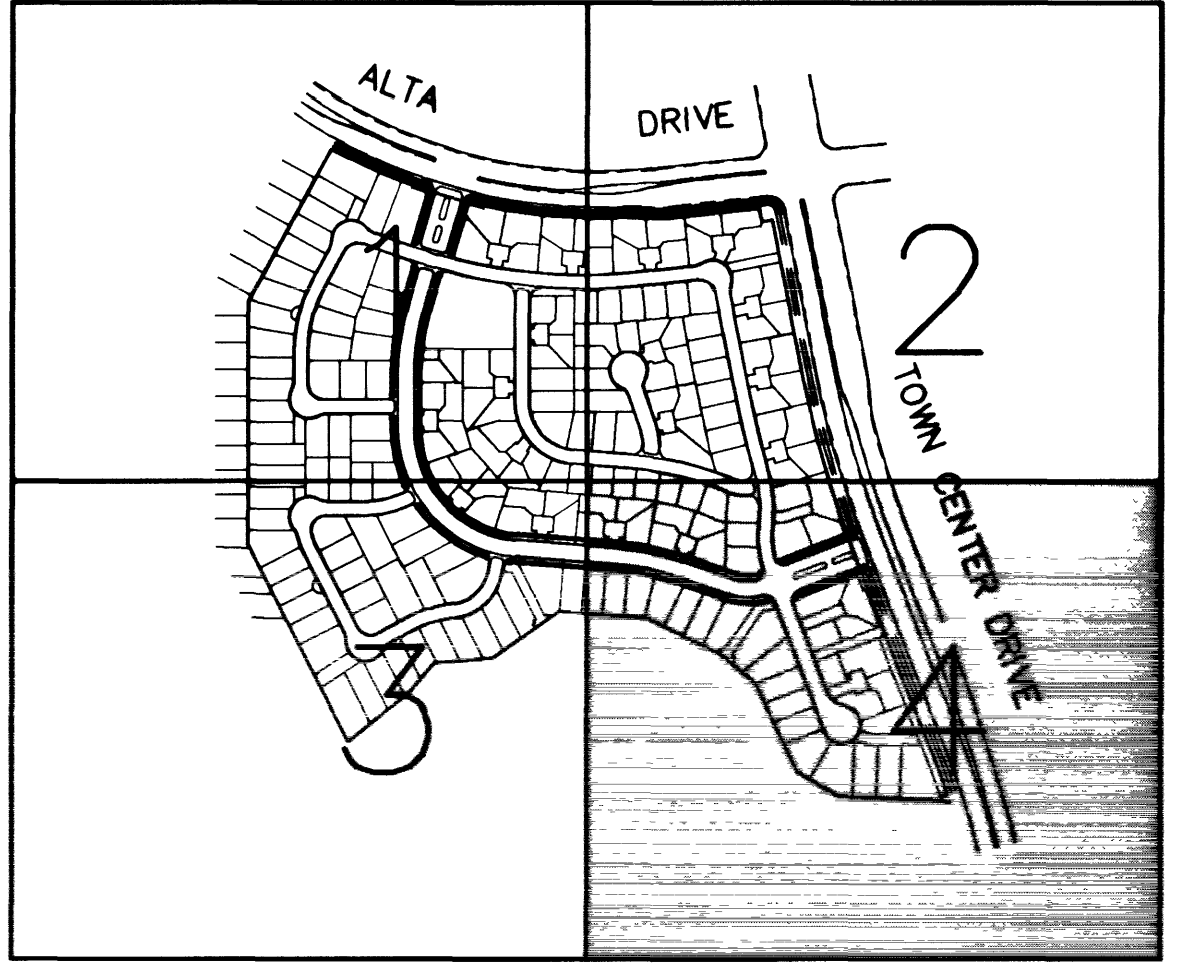


I CERTIFY THAT THIS GRADING PLAN IS IN CONFORMANCE WITH THE APPROVED DRAINAGE STUDY ON FILE AT THE CITY OF LAS VEGAS FOR THIS PROJECT.

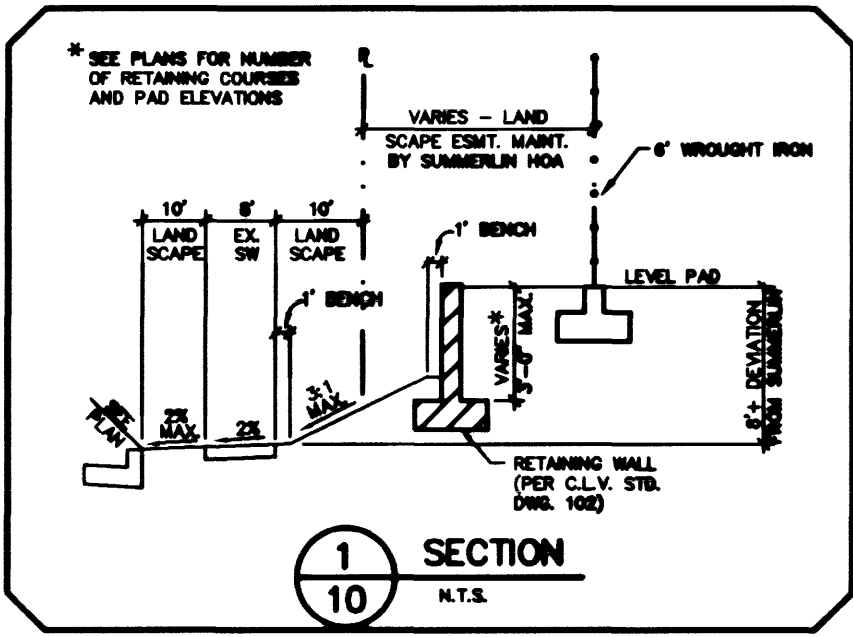
RICHARD P. SENEAL, P.E. 11-23-98
P.E. #11752

CITY OF LAS VEGAS GRADING NOTES

- IN THE EVENT THAT ANY UNFORESEEN CONDITIONS NOT COVERED BY THESE NOTES ARE ENCOUNTERED DURING GRADING OPERATIONS, THE OWNER/ENGINEER SHALL BE IMMEDIATELY NOTIFIED FOR DIRECTION.
 - IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PERFORM ALL NECESSARY CUTS AND FILLS WITHIN THE LIMITS OF THIS PROJECT AND THE RELATED OFF-SITE WORK, SO AS TO GENERATE THE DESIRED SUBGRADE, FINISH GRADES AND SLOPES SHOWN.
 - CONTRACTOR SHALL TAKE FULL RESPONSIBILITY FOR ALL EXCAVATION. ADEQUATE SHORING SHALL BE DESIGNED AND PROVIDED BY THE CONTRACTOR TO PREVENT UNDERMINING OF ANY ADJACENT FEATURES OR FACILITIES AND/OR CAVING OF THE EXCAVATION.
 - THE CONTRACTOR IS WARNED THAT AN EARTHWORK BALANCE WAS NOT NECESSARILY THE INTENT OF THIS PROJECT. ANY ADDITIONAL MATERIAL REQUIRED OR LEFTOVER MATERIAL FOLLOWING EARTHWORK OPERATIONS BECOMES THE RESPONSIBILITY OF THE CONTRACTOR.
 - THE GRADING CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH THE OWNER TO PROVIDE FOR THE REQUIREMENTS OF THE PROJECT STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND ASSOCIATED PERMIT.
 - CONTRACTOR SHALL GRADE TO THE LINES AND ELEVATIONS SHOWN ON THE PLANS WITHIN THE FOLLOWING HORIZONTAL AND VERTICAL TOLERANCES AND DEGREES OF COMPACTION, IN THE AREAS INDICATED:
- | | HORIZONTAL | VERTICAL COMPACTION |
|---------------------------|------------|-------------------------------------|
| A. PAVEMENT AREA SUBGRADE | 0.1' + | +0.0' TO -0.1' AS INDICATED ON PLAN |
| B. ENGINEERED FILL | 0.5' + | +0.1' TO -0.1' AS SHOWN ON PLANS |
- COMPACTION TESTING WILL BE PERFORMED BY THE OWNER OR HIS REPRESENTATIVE AND COPIES OF TEST RESULTS WILL BE PROVIDED TO THE CITY.
- ALL CUT AND FILL SLOPES SHALL BE PROTECTED UNTIL EFFECTIVE EROSION CONTROL HAS BEEN ESTABLISHED.
 - THE USE OF POTABLE WATER WITHOUT A SPECIAL PERMIT FOR BUILDING OR CONSTRUCTION PURPOSES INCLUDING CONSOLIDATION OF BACKFILL OR DUST CONTROL IS PROHIBITED. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FOR CONSTRUCTION WATER.
 - THE CONTRACTOR SHALL MAINTAIN THE STREETS, SIDEWALKS AND ALL OTHER PUBLIC RIGHT-OF-WAY IN A CLEAN, SAFE AND USABLE CONDITION. ALL SPILLS OF SOIL, ROCK OR CONSTRUCTION DEBRIS SHALL BE PROMPTLY REMOVED FROM THE PUBLICLY OWNED PROPERTY DURING CONSTRUCTION AND UPON COMPLETION OF THE PROJECT. ALL ADJACENT PROPERTY, PRIVATE OR PUBLIC SHALL BE MAINTAINED IN A CLEAN, SAFE AND USABLE CONDITION.
 - IN THE EVENT THAT ANY TEMPORARY CONSTRUCTION ITEM IS REQUIRED THAT IS NOT SHOWN ON THESE DRAWINGS, THE OWNER AGREES TO PROVIDE AND INSTALL SUCH ITEM AT HIS OWN EXPENSE AND AT THE DIRECTION OF THE CITY ENGINEER. TEMPORARY CONSTRUCTION INCLUDES DITCHES, BERMS, ROAD SIGNS AND BARRICADES, ETC.



KEY MAP



BASIS OF BEARINGS

NORTH 89°41'55" EAST BEING THE SOUTHERLY LINE OF THE SOUTHEAST QUARTER (SE 1/4) OF SECTION 36, TOWNSHIP 20 SOUTH, RANGE 59 EAST AS SHOWN IN FILE 85, PAGE 17 OF RECORD OF SURVEY MAPS IN THE CLARK COUNTY RECORDER'S OFFICE, CLARK COUNTY, NEVADA.

BENCHMARK

RIVET & PLATE IN TC, NORTH CURB LINE ON CHARLESTON BLVD. APPROX. 1300' EAST OF HUALAPAI WAY.

OLV00-31SSW6 = 2867.651 (NAVD 88)
SUMMERLIN (-2.18') = 2865.471
(ALL ELEVATION SHOWN ARE BASED ON SUMMERLIN DATUM)

Call before you Dig
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UNIVERSITY MICROFILMS

Call before you OVERHEAD
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UNIVERSITY MICROFILMS

NGRO ASSOCIATES
4545 SPRING MOUNTAIN ROAD, SUITE 105
LAS VEGAS, NEVADA 89102
(702) 247-1920

PENTACORE
CONSTRUCTION MANAGEMENT AND CONSULTING
6733 WEST CHARLESTON BOULEVARD
LAS VEGAS, NEVADA 89102
(702) 256-0115

GRADING PLAN 4
DESERT BLOOM

DATE: 8/17/98
DRAWN BY:
CHECKED BY:
JOB NO.: 0212.0010
SCALE: 1"=40'

PROFESSIONAL ENGINEER - STATE OF NEVADA
RICHARD P. SENEAL
11752

SHEET 10 OF 21
C.L.V. DWG.# 1074-4589