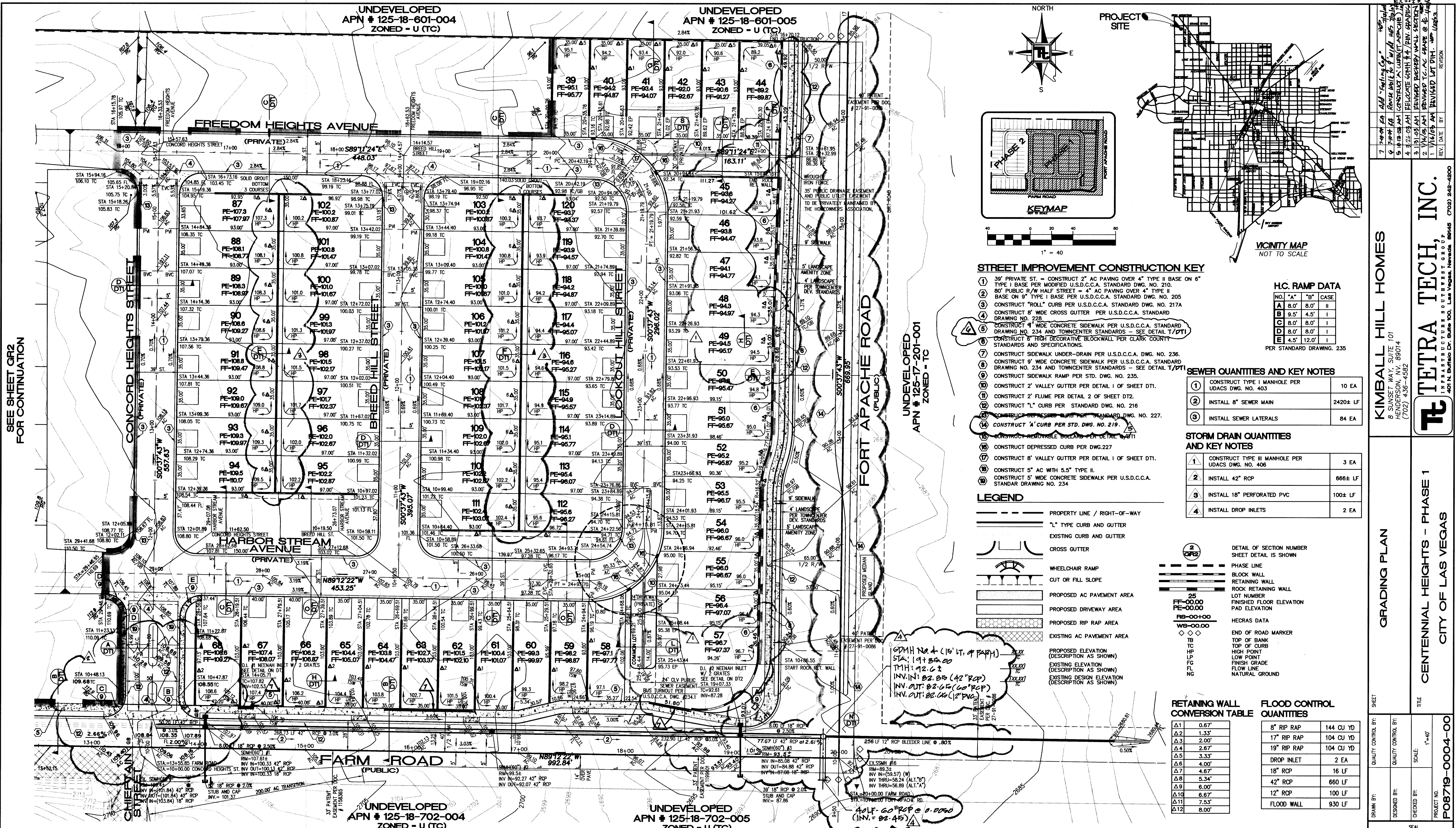




NOTE:
ALL PRIVATE STREETS / PRIVATE DRIVE ARE P.U.E.S. ONLY. PUBLIC SEWER EASEMENT AND PUBLIC DRAINAGE EASEMENTS TO BE PRIVATELY MAINTAINED.

Call before you dig
1-800-227-2600
UNDERGROUND SERVICE (USA)

Call before you Overhead
1-702-593-6111
NEVADA POWER ENVIRONMENTAL SAFETY SERVICES DEPARTMENT

BENCHMARK
CITY OF LAS VEGAS BENCHMARK - 2090 - 2094
REBAR ±124 FT. NORTHEAST OF DEER SPRINGS AND FORT APACHE.
ELEVATION = 806.867 METERS (NAVOD88)
ELEVATION = 2647.20 FEET (NAVOD88)

BASIS OF BEARING
BEARING NORTH 003°43' EAST, BEING THE EAST LINE OF THE SOUTHEAST QUARTER (SE 1/4) OF THE NORTHEAST QUARTER (NE 1/4) OF SECTION 18, TOWNSHIP 19 SOUTH, RANGE 60 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, AS SHOWN ON FILE 114, PAGE 17 OF SURVEYS.

SOILS REPORT
GEOTECHNICAL & ENVIRONMENTAL SERVICES, INC.
7560 WEST SAHARA AVENUE, SUITE 101
LAS VEGAS, NEVADA 89117
TEL (702) 365-1001
PROJECT NUMBER:

EARTHWORK QUANTITIES
TOTAL CUT = 22,017 CY
TOTAL FILL = 19,503 CY
THESE FIGURES ARE FOR PERMIT PURPOSES ONLY AND ARE NOT INTENDED FOR BIDDING OR CONTRACT AMOUNTS. NUMBERS ARE RAW AND UNADJUSTED.

GRADING NOTES

- TETRA TECH SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES IN THE PLANS OR CONDITIONS IN THE FIELD.
- ALL WORK TO BE PERFORMED OUTSIDE OF THE PROJECT BOUNDARY AND ON PRIVATE PROPERTY SHALL NOT BE PERFORMED UNTIL WRITTEN PERMISSION AND EASEMENT HAVE BEEN OBTAINED FROM THE OFFSITE OWNER AND GIVEN TO CITY LAS VEGAS PUBLIC WORKS.
- FOR AREAS THAT ARE FLATTER THAN 2:1 SLOPE, OR LESS THAN 1' ELEVATION DIFFERENCE, SCARPS ARE NOT SHOWN ON PLAN FOR CLARITY PURPOSES.
- ALL SLOPE AREAS SHALL HAVE A MINIMUM ONE FOOT SHOULDER NEXT TO WALL PRIOR TO STARTING SLOPE.
- PAD SECTION SHOWN ON PLANS IS FOR REFERENCE ONLY. FOR ACTUAL SECTION, REFER TO GEOTECHNICAL REPORT FOR SOILS ENGINEERS RECOMMENDATION.
- ALL SIDEWALK INSTALLATIONS SHALL CONFORM TO ADA REQUIREMENTS.
- ADD 2800' TO ALL ELEVATIONS SHOWN.
- ALL ONSITE STREETS ARE PUBLIC DRAINAGE EASEMENTS TO BE PRIVATELY MAINTAINED.

CERTIFICATION

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

JOSEPH D. THOMASON, P.E. 11.14.02 DATE

RETAINING WALL CONVERSION TABLE

Δ1	0.87'
Δ2	1.33'
Δ3	2.00'
Δ4	2.67'
Δ5	3.33'
Δ6	4.00'
Δ7	4.67'
Δ8	5.34'
Δ9	6.00'
Δ10	6.67'
Δ11	7.33'
Δ12	8.00'

FLOOD CONTROL QUANTITIES

8" RIP RAP	144 CU YD
17" RIP RAP	104 CU YD
19" RIP RAP	104 CU YD
DROP INLET	2 EA
18" RCP	16 LF
42" RCP	660 LF
12" RCP	100 LF
FLOOD WALL	930 LF

FOOTING CAP DETAIL

CONSTRUCT FOOTING CAP OVER PROTRUDING WALL FOOTING SEE PLAN FOR LOCATION

VARIES 0' TO 6'

VARIES 0' TO 18'

KIMBALL HILL HOMES
8 SUNSET WAY, SUITE 101
HENDERSON, NV 89014
(702) 438-4382

TETRA TECH, INC.
INFRASTRUCTURE SOLUTIONS GROUP
401 N. Buffalo Dr. Suite 100, Las Vegas, Nevada 89145 (702) 249-4800

GRADING PLAN

CENTENNIAL HEIGHTS - PHASE 1

CITY OF LAS VEGAS

REVISIONS

NO.	DATE	BY	REVISION
1	11/16/09	AM	REVISED LOT DIM.
2	11/16/09	AM	REVISED TC, AC, CASE @ E. HILLS
3	11/16/09	AM	REVISED SPLIT #4 / REV. SECTIONS
4	11/16/09	AM	CONSTRUCT A CURB / REV. SECTIONS
5	11/16/09	AM	CONSTRUCT A CURB / REV. SECTIONS
6	11/16/09	AM	CONSTRUCT A CURB / REV. SECTIONS
7	11/16/09	AM	CONSTRUCT A CURB / REV. SECTIONS

PROJECT NO. P08719-0004-00

SCALE: 1"=40'

SHEET 7 OF 20

DRAWING NO. 1074-4737-1