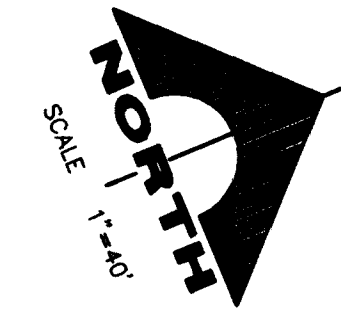
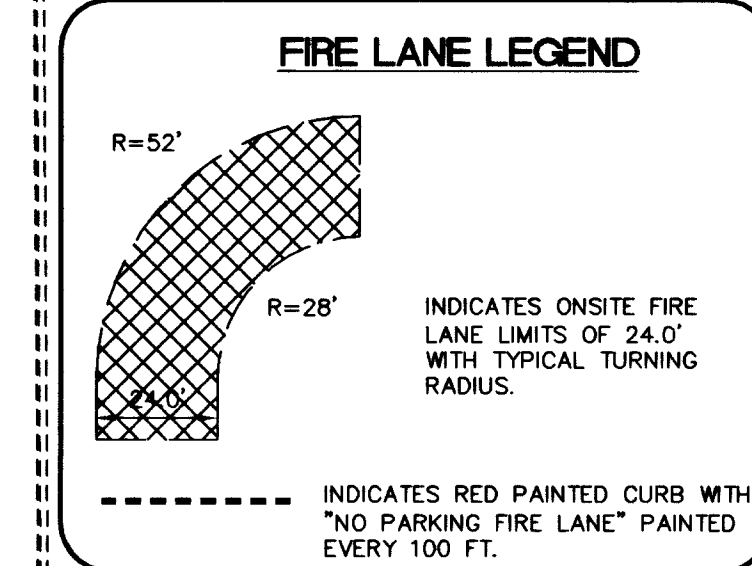
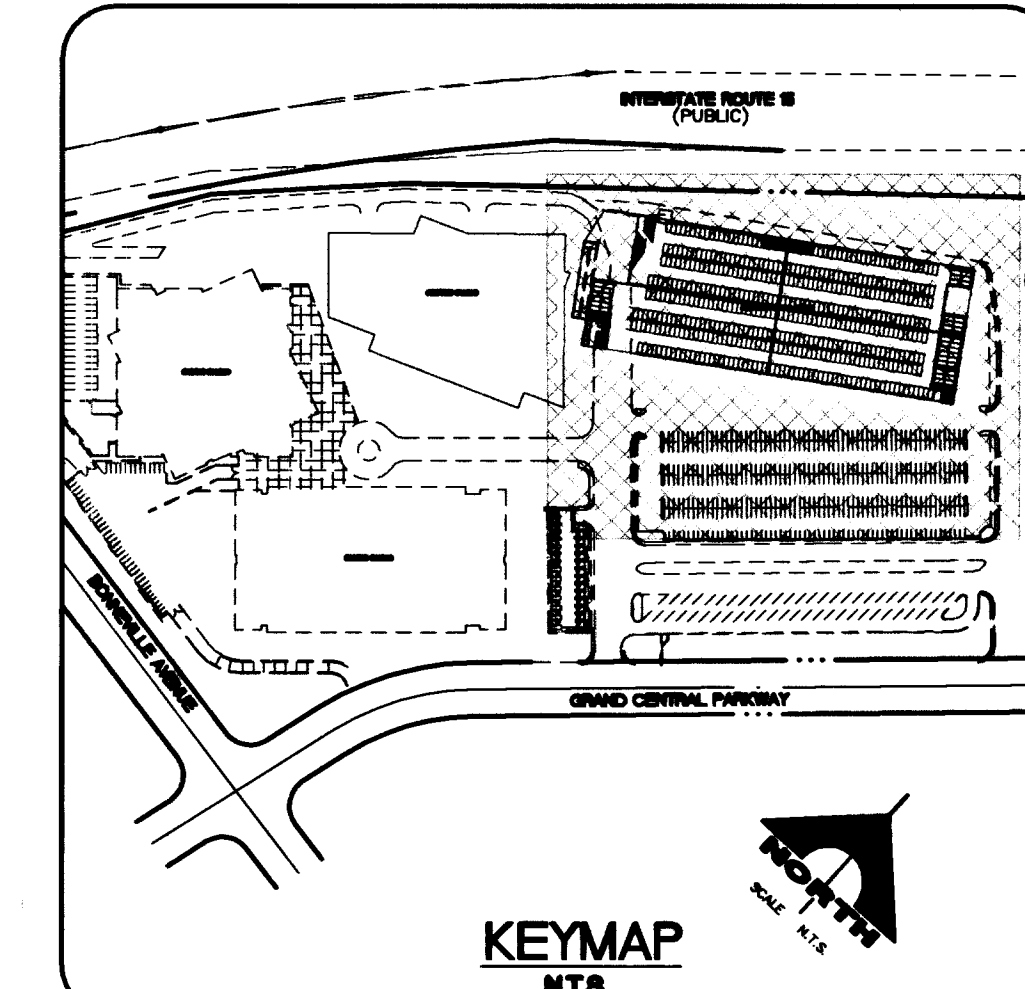
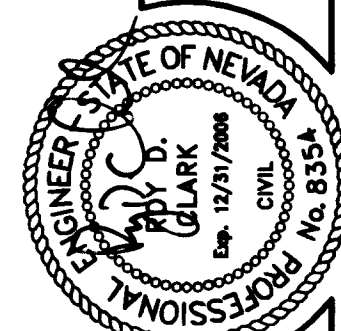


OR: 991103:00619  
RECORDED  
NOVEMBER 03, 1999

OR: 991103:00619  
RECORDED  
NOVEMBER 03, 1999



SCALE  
40 0 40 80  
FEET



| FIRE FLOW CALCULATIONS                                                         |                     |
|--------------------------------------------------------------------------------|---------------------|
| FIRE FLOW REQUIREMENT IS: 4,500 GALLONS PER MINUTE AT 20 PSI RESIDUAL PRESSURE |                     |
| SQUARE FOOTAGE:                                                                | 128,195 SQUARE FEET |
| LARGEST AREA BETWEEN 4-HOUR AREA SEPARATION                                    | N/A SQUARE FEET     |
| BUILDING HEIGHT:                                                               | 28'-6" FEET         |
| NUMBER OF STORIES:                                                             | 16 FLOOR            |
| TYPE OF CONSTRUCTION:                                                          | I-A                 |
| OCCUPANCY:                                                                     | M                   |
| FULL AUTOMATIC FIRE SPRINKLER SYSTEM:                                          | YES                 |
| REVIEWED BY: <i>Barbara Ball</i> DATE: 7/3/07                                  |                     |

- UTILITY NOTES**
1. REPLACE 12"x12" TEE, INSTALL 12"x12" CROSS W/ 12" GATE VALVE
  2. INSTALL 8" x 4" TYPE I METER W/ TURBINE PER UDACS PLATE NO. 210.
  3. INSTALL TEE (SEE PLAN FOR SIZE).
  4. INSTALL 12"x12" M.J. TAPPING SLEEVE W/ 12" TAPPING VALVE PER UDACS PLATE NO. 22.
  5. INSTALL 90° BEND.
  6. CLEANOUT
  7. INSTALL 45° BEND.
  8. INSTALL 22.50° BEND.
  9. INSTALL 11.25° BEND.
  10. INSTALL FIRE HYDRANT ASSEMBLY PER UDACS PLATE NO. 7.
  11. INSTALL GATE VALVE (SEE PLAN FOR SIZE).
  12. INSTALL FIRE DEPT. CONNECTION (SEE ARCHITECTURAL PLANS FOR CONTINUATION).
  13. INSTALL 48" SANITARY SEWER MANHOLE.
  14. NOT USE
  15. INSTALL 6" SANITARY SEWER CLEANOUT.
  16. INSTALL SANITARY SEWER WYE PER DETAIL "A", THIS SHEET.
  17. INSTALL SAND & OIL INTERCEPTOR.
  18. PROVIDE PATCHING PER USDCCA STD. DWG. 504

| QUANTITY ESTIMATES                |          |
|-----------------------------------|----------|
| DESCRIPTION                       | UNIT     |
| <b>SEWER:</b>                     |          |
| 1. 4" PVC SANITARY SEWER LATERAL  | 147 LF   |
| 2. 6" PVC SANITARY SEWER LATERAL  | 237 LF   |
| 3. 8" PVC SANITARY SEWER LATERAL  | 28 LF    |
| 4. 10" PVC SANITARY SEWER LATERAL | 32 LF    |
| 5. 8" PVC SANITARY SEWER          | 536 LF   |
| 6. 10" PVC SANITARY SEWER         | 662 LF   |
| 7. 6" CLEANOUT                    | 5 EA     |
| 8. 24" SAMPLE BOX                 | 1 EA     |
| 9. STD 48" SANITARY SEWER MANHOLE | 5 EA     |
| 10. SAND/OIL INTERCEPTOR          | 1 EA     |
| <b>WATER:</b>                     |          |
| 1. 6" WATER LATERAL               | 151 LF   |
| 2. 8" WATER LATERAL               | 567 LF   |
| 3. 10" WATER LATERAL              | 180 LF   |
| 4. 12" PVC C-900 WATER            | 2,826 LF |
| 5. 6"x12" TEE                     | 4 EA     |
| 6. 8"x12" TEE                     | 4 EA     |
| 7. 12"x12" TEE                    | 1 EA     |
| 8. 12"x12" CROSS                  | 1 EA     |
| 9. 90° HB                         | 3 EA     |
| 10. 45° HB                        | 3 EA     |
| 11. 22.5° HB                      | 3 EA     |
| 12. 11.25° HB                     | 3 EA     |
| 13. 6" GATE VALVE                 | 4 EA     |
| 14. 8" GATE VALVE                 | 2 EA     |
| 15. 12" GATE VALVE                | 1 EA     |
| 16. 12"x10" REDUCER               | 1 EA     |
| 17. FIRE HYDRANT                  | 5 EA     |
| 18. 6" CAP                        | 1 EA     |
| 19. 8" CAP                        | 2 EA     |
| 20. 10" CAP                       | 1 EA     |

**BASIS OF BEARINGS**  
N 24°55'16" E BEING THE BEARING OF THE CENTERLINE OF GRAND CENTRAL PARKWAY, LYING WITHIN THE N.E. 1/4 OF SECTION 33, TOWNSHIP 20 SOUTH, RANGE 61 EAST, M.D.M., CLARK COUNTY, NEVADA AS SHOWN BY MAP THEREOF ON FILE ON BOOK 53, PAGE 61 OF PLATS IN THE CLARK COUNTY RECORDER'S OFFICE, CLARK COUNTY, NEVADA.

**BENCHMARK**  
CITY OF LAS VEGAS BENCHMARK NO. 21V01 33C4, RIVET AND PLATE IN TOP OF CURB AT THE S.W. CORNER OF THE INTERSECTION OF ALTA DR. AND MARTIN LUTHER KING BLVD.  
NAVD 88 CITY OF LAS VEGAS ELEVATION (1992) = 2046.76 (F)  
CORRECTION TO CITY OF LAS VEGAS DATUM (2002): SUBTRACT 0.17' FROM 1992 DATUM

NOTE: ALL LAND SURFACE AREA DISTURBANCES OVER 1 ACRE REQUIRE A STORMWATER DISCHARGE PERMIT ISSUED BY THE NEVADA DIVISION OF ENVIRONMENTAL PROTECTION (NDEP). A PHASED CONSTRUCTION UNIT IN A CONTIGUOUS SUBDIVISION IS CONSIDERED UNDER CONSTRUCTION UNTIL ALL STRIPPED OR DISTURBED SURFACE AREAS HAVE BEEN COVERED BY PAVING, BUILDING CONSTRUCTION OR PLANTING. A STORMWATER DISCHARGE PERMIT APPLICATION AND ASSOCIATED INFORMATION MAY BE DOWNLOADED FROM THE WEB SITE: <http://www.state.nv.us/nr/ndep/bwpc/storm01.htm>  
PROJECTS THAT DISTURB MORE THAN ONE ACRE OF LAND MUST SUBMIT TO NDEP A "NOTICE OF INTENT" FOR INCLUSION UNDER STORMWATER PERMIT NO. NVR100000 ALONG WITH THE APPROPRIATE FILING FEE.

**NOTICE**  
G.C. WALLACE, INC. ASSUME NO RESPONSIBILITY FOR EXISTING UTILITY SHOWN OR NOT SHOWN. THE UTILITIES SHOWN ON THIS DRAWING HAVE BEEN PLOTTED FROM RECORD INFORMATION AND ARE FOR THE CONVENIENCE OF THE CONTRACTOR ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION AND DEPTH OF ALL RELEVANT UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION. IF A CONFLICT OR DISCREPANCY IS DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING IMMEDIATELY.

APPROVED FOR CONSTRUCTION  
SHEET C-1, C-2, C-6, C-7 & C-8  
*Barbara Ball* 7/3/07  
CITY OF LAS VEGAS FIRE DEPARTMENT DATE

APPROVED FOR CONSTRUCTION  
SHEET C-1, C-2, C-6, C-7 & C-8  
N/A  
LAS VEGAS VALLEY WATER DISTRICT DATE  
PROJECT # XXXXXX  
10TV 3916-3

G. C. WALLACE, INC.  
Engineers/Planners/Surveyors  
1555 HARBOR BLVD., SUITE 200, LAS VEGAS, NEVADA 89149  
TEL: (702) 886-0000 FAX: (702) 886-0001  
G:\619-2981\Draw\Comm\Impro\Phase III\Revision 1-survey 012207\W006-007-1-UTILITY PLAN 2

WORLD MARKET CENTER PH. II  
WMC ASSOCIATES, LLC  
UTILITY PLAN 2

DRAWING  
C-7  
7 OF 14 SHEETS