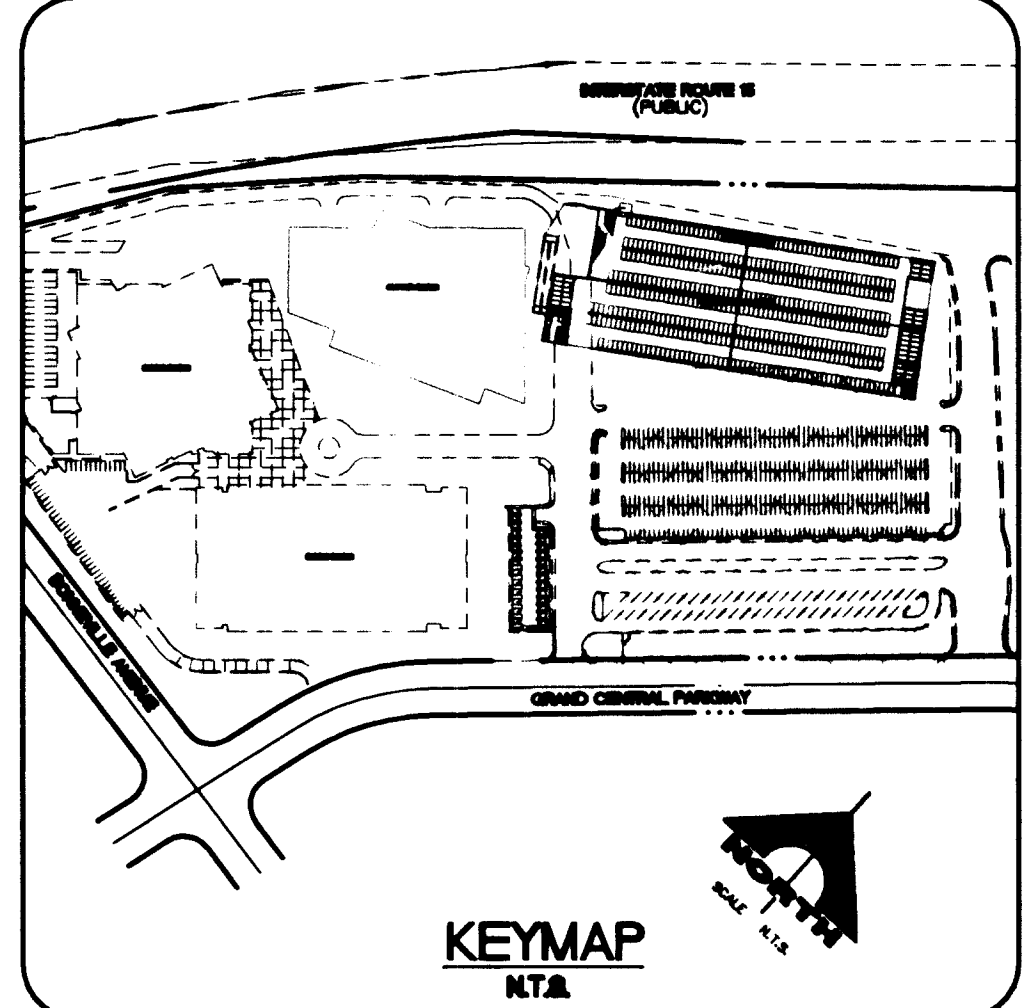
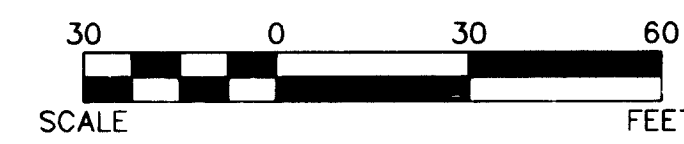


**PROPOSED
WORLD MARKET CENTER
PHASE III
FF=42.00**

FOR CONTINUATION
SEE SHEET C-7

**PROPOSED
WORLD MARKET CENTER
PHASE III - PARKING GARAGE
FF=44.50**



FIRE FLOW CALCULATIONS

FIRE FLOW REQUIREMENT IS: 4,500 GALLONS PER MINUTE AT 20 PSI RESIDUAL PRESSURE.

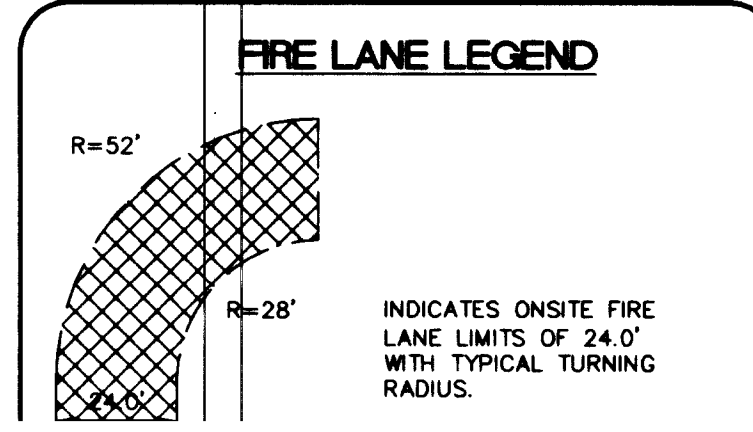
SQUARE FOOTAGE:	128,195	SQUARE FEET
LARGEST AREA BETWEEN 4-HOUR AREA SEPARATION:	N/A	SQUARE FEET
BUILDING HEIGHT:	289'-6"	FEET
NUMBER OF STORIES:	16	FLOOR
TYPE OF CONSTRUCTION:	I-A	
OCCUPANCY:	M	
FULL AUTOMATIC FIRE SPRINKLER SYSTEM:	YES	

REVIEWED BY: *[Signature]* DATE: 7/1/07

- UTILITY NOTES**
- REPLACE 12"x12" TEE, INSTALL 12"x12" CROSS W/ 12" GATE VALVE.
 - INSTALL 8" x 4" TYPE I METER W/ TURBINE PER UDACS PLATE NO. 21D.
 - INSTALL TEE (SEE PLAN FOR SIZE).
 - INSTALL 12"x12" M.J. TAPPING SLEEVE W/ 12" TAPPING VALVE PER UDACS PLATE NO. 22.
 - INSTALL 90° BEND.
 - INSTALL 45° BEND.
 - INSTALL 22.5° BEND.
 - INSTALL 11.25° BEND.
 - INSTALL FIRE HYDRANT ASSEMBLY PER UDACS PLATE NO. 7.
 - INSTALL GATE VALVE (SEE PLAN FOR SIZE).
 - INSTALL FIRE DEPT. CONNECTION (SEE ARCHITECTURAL PLANS FOR CONTINUATION).
 - INSTALL 48" SANITARY SEWER MANHOLE.
 - DO NOT INSTALL CAP.
 - INSTALL 6" SANITARY SEWER CLEANOUT.
 - INSTALL SANITARY SEWER WYE PER DETAIL "A", THIS SHEET.
 - INSTALL SAND & OIL INTERCEPTOR.
 - INSTALL CAP. (SEE PLUMBING PLAN FOR CONTINUATION).
 - PROVIDE PATCHING PER USDOCA STD. DWG. 504

QUANTITY ESTIMATES

SEWER	WATER
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
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	4 EA
15. 12" GATE VALVE	2 EA
16. 12"x10" REDUCER	1 EA
17. FIRE HYDRANT	5 EA
18. 6" CAP	1 EA



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 VERIFY THE LOCATION AND DEPTH OF ALL RELEVANT UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION. IF A DISCREPANCY IS DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING IMMEDIATELY.

BASIS OF BEARING

N 24°55'16" E BEING THE BEARING OF THE CENTER LINE OF GRAND CENTRAL PARKWAY, LYING WITHIN THE 33, TOWNSHIP 20 SOUTH, RANGE 61 EAST, COUNTY OF CLARK, NEVADA AS SHOWN BY MAP THIS PROJECT IS LOCATED IN THE COUNTY, NEVADA.

BENCHMARK

108050 BENCHMARK 109 CITY OF LAS VEGAS BENCHMARK NO. 2LV01324, RIVET AND PLATE IN

Call before you Dig

Call before you Dig

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G.C. WALLACE, INC.
Engineers/Planners/Surveyors
1555 SOUTH RAINBOW BLVD., LAS VEGAS, NEVADA 89146
TELEPHONE: (702) 804-2000 • FAX: (702) 804-2299
G-1619-2961 (Rev. 01/2007) T-sewer 012207 WMS-C-008

WORLD MARKET CENTER PH. III
WMC ASSOCIATES, LLC
UTILITY PLAN 3

As-Built for Manhole Location & Elevation

107V3916-3

APPROVED FOR CONSTRUCTION
SHEET C-1, C-2, C-6, C-7 & C-8

APPROVED FOR CONSTRUCTION
SHEET C-1, C-2, C-6, C-7 & C-8