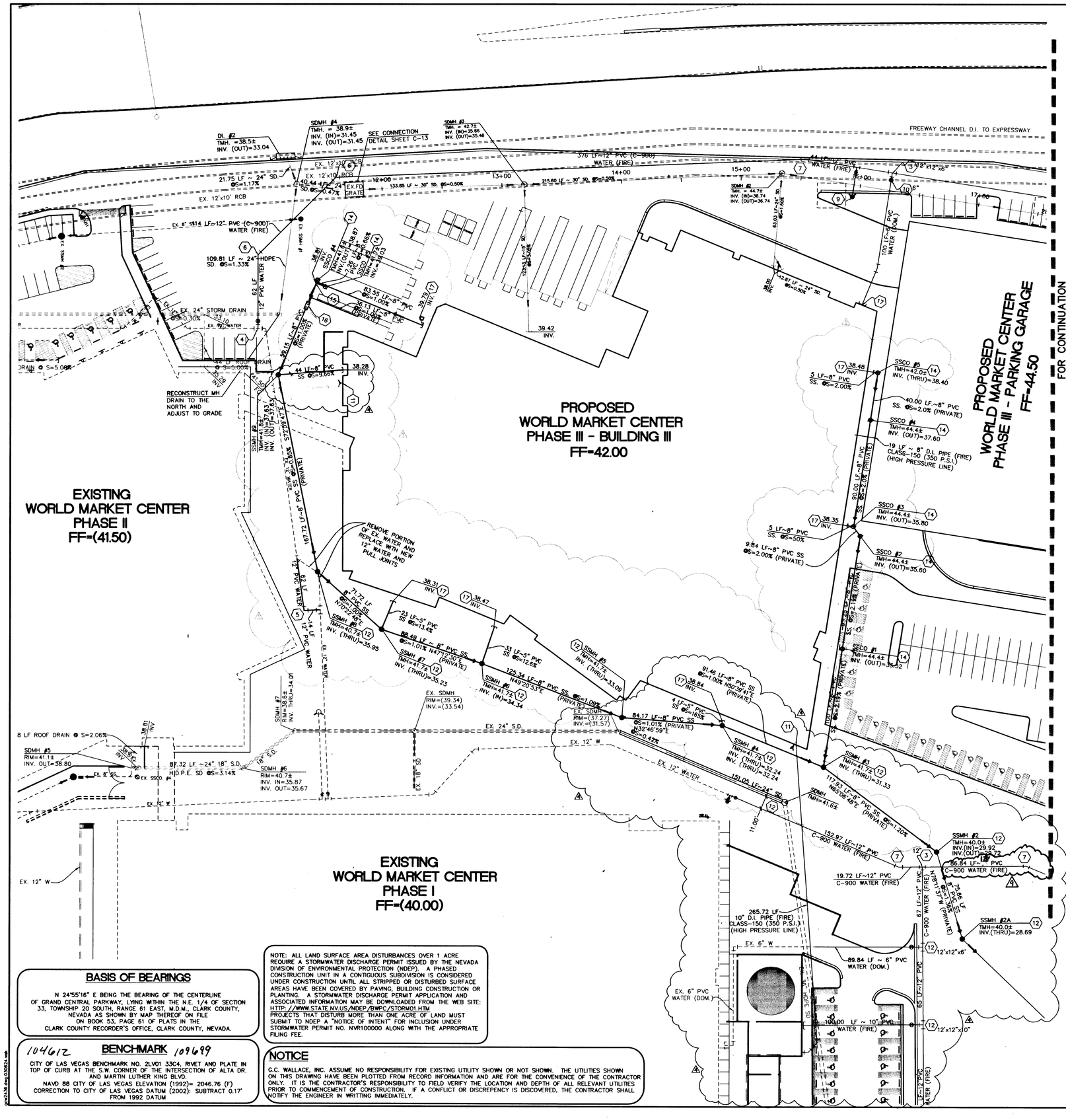


BASIS OF BEARINGS

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

104612 109689

CITY OF LAS VEGAS BENCHMARK NO. 2LV01 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/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 DISCREPENCY IS DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITTING IMMEDIATELY.

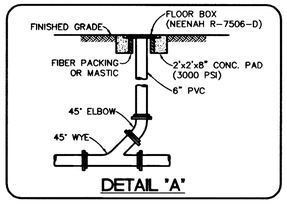
AVOID HITTING OVERHEAD POWER LINES, IT'S COSTLY
CALL BEFORE YOU DO OVERHEAD
1-702-593-6111

Avoid cutting underground utility lines. It's costly.
Call before you Dig.
1-800-227-2600
UNDERGROUND SERVICE (USA)

CALL BEFORE YOU DO UNDERGROUND
Call before you UnderGround
1-702-455-7511
1-702-229-6611

NORTH
SCALE 1"=40'

40 0 40 80
SCALE FEET

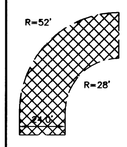


DETAIL 'A'

QUANTITY ESTIMATES

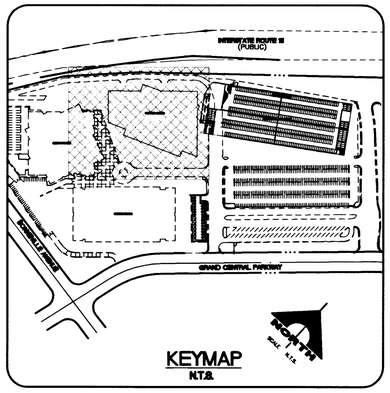
DESCRIPTION	UNIT
SEWER	
1. 4" PVC SANITARY SEWER LATERAL	147 LF
2. 6" PVC SANITARY SEWER LATERAL	237 LF
3. 8" PVC SANITARY SEWER LATERAL	28 LF
4. 10" PVC SANITARY SEWER LATERAL	32 LF
5. 8" PVC SANITARY SEWER	536 LF
6. 10" PVC SANITARY SEWER	662 LF
7. 6" CLEANOUT	5 EA
8. 24" SAMPLE BOX	1 EA
9. STD 48" SANITARY SEWER MANHOLE	5 EA
10. SAND/OIL INTERCEPTOR	1 EA
WATER	
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
19. 8" CAP	2 EA
20. 10" CAP	1 EA

FIRE LANE LEGEND



INDICATES ONSITE FIRE LANE LIMITS OF 24.0' WITH TYPICAL TURNING RADIUS.

INDICATES RED PAINTED CURB WITH "NO PARKING FIRE LANE" PAINTED EVERY 100 FT.



KEYMAP
N.T.S.

FIRE FLOW CALCULATIONS

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

SQUARE FOOTAGE:	120,183	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: Robert Bell DATE 7/31/07

UTILITY NOTES

1. REPLACE 12"X12" TEE, INSTALL 12"X12" CROSS W/ 12" GATE VAVLE
2. INSTALL 8" x 4" TYPE I METER W/ TURBINE PER UDACS PLATE NO. 21D.
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. INSTALL 45° BEND.
7. INSTALL 22.50° BEND.
8. INSTALL 11.25° BEND.
9. INSTALL FIRE HYDRANT ASSEMBLY PER UDACS PLATE NO. 7.
10. INSTALL GATE VALVE (SEE PLAN FOR SIZE).
11. INSTALL FIRE DEPT. CONNECTION (SEE ARCHITECTURAL PLANS FOR CONTINUATION).
12. INSTALL 48" SANITARY SEWER MANHOLE.
13. NOT USE
14. INSTALL 6" SANITARY SEWER CLEANOUT.
15. INSTALL SANITARY SEWER WYE PER DETAIL "A", THIS SHEET.
16. INSTALL SAND & OIL INTERCEPTOR. SEE PLUMING PLANS FOR DETAILS.
17. INSTALL CAP. (SEE PLUMBING PLAN FOR CONTINUATION)
18. PROVIDE PATCHING PER USDCCA STD. DWG. 504

APPROVED FOR CONSTRUCTION
SHEET C-1, C-2, C-6, C-7 & C-8
Robert Bell 7/31/07
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

107V 3916 -3

H 17816

PROFESSIONAL ENGINEER - STATE OF NEVADA
ROY C. CLARK
CIVIL
No. 8354
Exp. 12/31/2008

DATE: 7/27/07

REV	DATE	DESCRIPTION	DATE	AGEN. APP	DATE	GOV. APP
2	7/26/07	REVISE WATERLINE SIZE	7/27/07			
1	03.11.02	REVISED SEWER, WATER, AND STORM DRAIN SYSTEMS.	03.11.02			

ISSUE DATE: % COMPLETE

DESIGN:
DRAWN:
CHECK:
ISSUE DATE:
ISSUE EDITOR:
PLOT DATE: 07-27-07
LIB-Grp: OVMcG-20-22-1-3.
G:\619-2961\Dwg\Comm\Improv\Phase III\Revision 1-sewer 012207\WMCG-005-

G. C. WALLACE, INC.
Engineers/Planners/Surveyors
1555 SOUTH RAINBOW BLVD./LAS VEGAS, NEVADA 89146
TELEPHONE: (702) 804-2000 • FAX: (702) 804-2299

WORLD MARKET CENTER PH. III
WMC ASSOCIATES, LLC
UTILITY PLAN 1

DRAWING
C-6
6 OF 14 SHTS

2004.06.dwg 030852.wdl