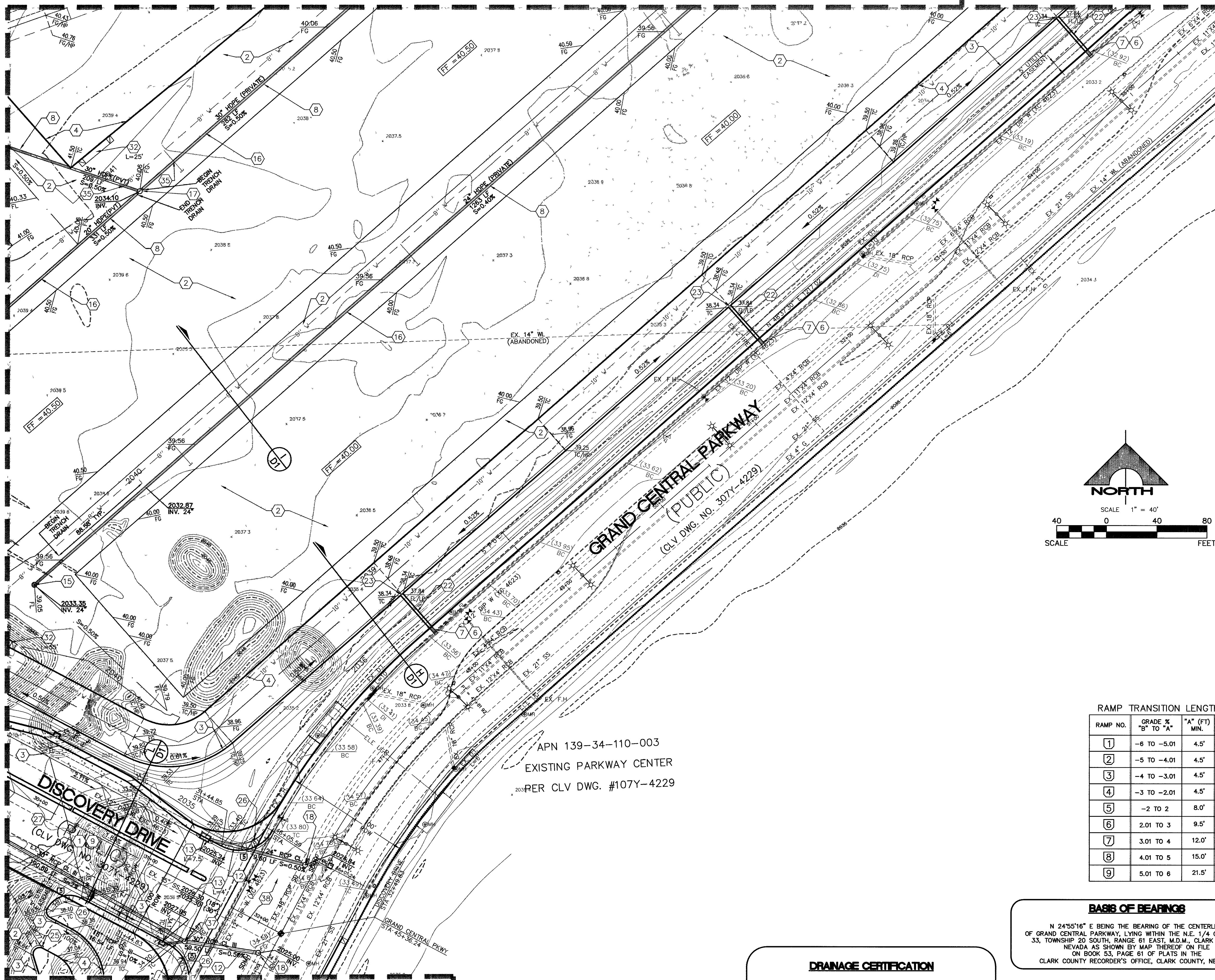


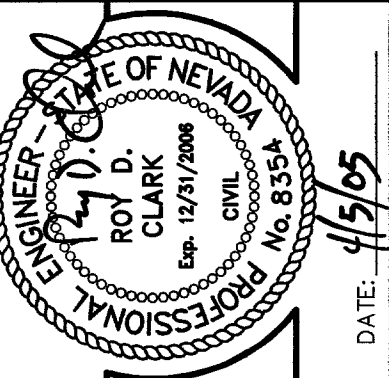
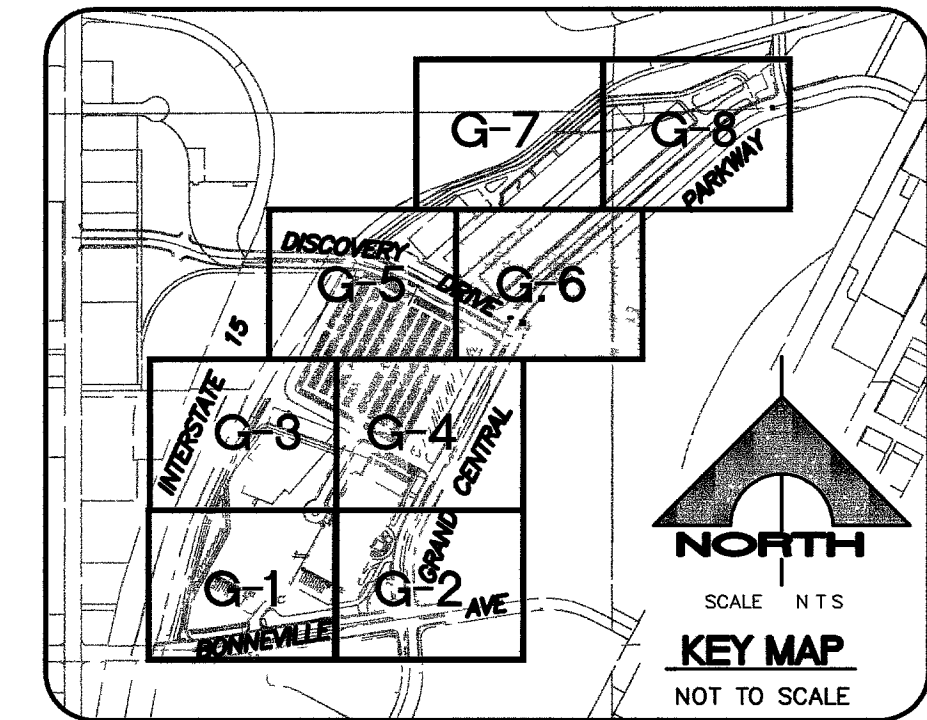
FOR CONTINUATION  
SEE SHEET G-5

FOR CONTINUATION  
SEE SHEET G-7

FOR CONTINUATION  
SEE SHEET G-8



FOR CONTINUATION  
SEE SHEET G-4



MYLAR SUBMITTAL

ISSUE DATE: 3-29-05

DESIGN: \_\_\_\_\_  
DRAWN: \_\_\_\_\_  
CHECK: \_\_\_\_\_  
ISSUE DATE: \_\_\_\_\_  
PLOT DATE: 03-31-05  
PLOT TIME: 13:00:47  
G:\619-296\dwg\Comm\Impco\WMA\606.dwg  
GBornhart

WORLD MARKET CENTER  
PHASE 1A  
WMC ASSOCIATES, LLC  
GRADING PLAN 6

DRAWING  
G-6

21 OF 35 SHEETS

### GRADING NOTES

1. CONSTRUCT COMMERCIAL DRIVEWAY, 8' WIDE CROSS GUTTER, & CASE II SIDEWALK RAMP PER USDOCA DWG. NOS. 222A, 228, & 235
2. CONSTRUCT 3" AC PAVING OVER 6" TYPE II AGGREGATE BASE OVER COMPACTED SUB-GRADE PER DETAIL 1, SHEET D-1 & SOILS REPORT FOR MORE INFORMATION.
3. CONSTRUCT "L" TYPE CURB & GUTTER PER USDOCA DWG. NO. 216.
4. CONSTRUCT MODIFIED "A" TYPE CURB PER DETAIL 3, SHEET D-1.
5. CONSTRUCT 4" THICK SIDEWALK PER USDOCA NO. 234. SEE PLAN FOR WIDTH. FOR ON-SITE SIDEWALK, SEE ARCHITECTURAL PLANS FOR EXACT LOCATION, COLOR, AND FINISH. ON-SITE SIDEWALK CROSS SLOPES NOT TO EXCEED 2%.
6. SAWCUT & MATCH EXISTING. CONTRACTOR SHALL VERIFY EXISTING ELEVATION AND REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO COMMENCEMENT OF CONSTRUCTION
7. CONSTRUCT SIDEWALK UNDERDRAIN PER USDOCA DWG. NO. 236
8. INSTALL HDPE STORM DRAIN PIPE. SEE PLAN FOR SIZE, LENGTH AND SLOPE.
9. INSTALL HANDICAP SIGNAGE/RAMPS/SYMBOL AND PARKING LOT STRIPING, SEE ARCHITECTURAL PLANS FOR ADDITIONAL DETAILS.
10. 0" TO 6" CURB TRANSITION. ADJOINING SIDEWALK SHALL NOT EXCEED 1:12, PER DETAIL 5, SHEET D-2.
11. 0" CURB FLUSH WITH PAVEMENT
12. INSTALL RCP CL III STORM DRAIN PIPE. SEE PLAN FOR SIZE, LENGTH AND SLOPE. SEE PROFILES SHEET P-3.
13. INSTALL CLV TYPE "CM" DROP INLET PER DETAILS SHEET TD-2. SEE PLAN AND PROFILE SHEET P-3.
14. MATCH TO EXISTING FIELD CONDITIONS.
15. CONSTRUCT TYPE I SDMH W/ NEENAH R-2556 GRATED MANHOLE COVER OR APPROVED EQUAL
16. CONSTRUCT "ACODRAIN" K100S (SLOPING UNITS) WITH TYPE 465 STAINLESS STEEL GRATE OR EQUAL. SEE DETAIL 4 AND 5, SHEET D-1.
17. CONSTRUCT 48" TYPE I STORM DRAIN MANHOLE PER USDOCA 403.
18. CONSTRUCT TYPE II STORM DRAIN MANHOLE PER USDOCA DWG. NO. 405
19. INSTALL 36" HDPE STORM DRAIN PIPE. SEE PLAN FOR LENGTH AND SLOPE.
20. SEE ARCH. PLANS FOR SIDEWALK DETAILS INCL: PLANTERS, COLOR, FINISH & SCORE
21. CONSTRUCT 2' WIDE VALLEY GUTTER PER DETAIL 4, SHEET D-2.
22. CONSTRUCT 2' WIDE U-CHANNEL PER DETAIL 2, SHEET D-1.
23. CONSTRUCT 2' OPENING IN CURB FOR DRAINAGE AND CONCRETE U-CHANNEL PER DETAIL 3, SHEET D-2.
24. CONSTRUCT "ROAD OIL" DUST PALLIATIVE OVER 6" TYPE II AGGREGATE BASE OVER COMPACTED SUB-GRADE SEE SOILS REPORT FOR MORE INFORMATION.
25. CONSTRUCT "L" TO ISLAND "L" CURB TRANSITION. TILT PAN OF GUTTER FOR DRAINAGE.
26. INSTALL H.C. RAMP PER USDOCA DWG. NO. 235 CASE I.
27. LOWER EXISTING 12" WATERMAIN PER OFFSITE WATER PLAN SHEET TU-1.
28. CONSTRUCT RETAINING WALL PER DETAIL 2, SHEET D-2. SEE PLAN FOR LOCATIONS AND ELEVATIONS.
29. CONSTRUCT REMOVABLE BOLLARDS AT ENTRY.
30. INSTALL H.C. RAMP PER USDOCA DWG. NO. 235 CASE II.
31. INSTALL TYPE "L" CURB DRIVEWAY PER USDOCA DWG. NO. 224. SEE PLAN FOR WIDTH.
32. INSTALL TYPE "A" CURB DRIVEWAY PER USDOCA DWG. NO. 224. SEE PLAN FOR WIDTH.
33. INSTALL CLV TYPE "CM" DROP INLET PER DETAILS SHEET TD-2. SEE PLAN FOR LOCATION, INVERTS, LENGTH OF GRATE/OPENING AND TOP OF CURB.
34. CONNECT TO EXISTING DROP INLET PER DETAIL 1, SHEET D-2.
35. INSTALL STORM DRAIN OVER WATERMAIN PER UDACS 2.19.02 B. 3)a. OR b.
36. INSTALL WHEEL STOPS PER USDOCA DWG. NO. 238. SEE PLAN FOR LOCATION.
37. CONSTRUCT TYPE III STORM DRAIN MANHOLE PER USDOCA DWG. NO. 406
38. SAWCUT AND REMOVE EXISTING CURB/GUTTER, SIDEWALK AND PAVING AS REQUIRED. CONTRACTOR SHALL REPLACE WITH "L" CURB PER USDOCA DWG. NO. 216. SIDEWALK PER USDOCA NO. 234 AND TRENCH RESTORATION PER USDOCA NO. 504 AS WELL AS PER UDACS PLATE NO. 6B. PROVIDE SMOOTH TRANSITION TO MATCH EXISTING.

### RAMP TRANSITION LENGTHS

| RAMP NO. | GRADE %<br>"B" TO "A" | "A" (FT)<br>MIN. | "B" (FT)<br>MIN. |
|----------|-----------------------|------------------|------------------|
| 1        | -6 TO -5.01           | 4.5'             | 21.5'            |
| 2        | -5 TO -4.01           | 4.5'             | 15.0'            |
| 3        | -4 TO -3.01           | 4.5'             | 12.0'            |
| 4        | -3 TO -2.01           | 4.5'             | 9.5'             |
| 5        | -2 TO 2               | 8.0'             | 8.0'             |
| 6        | 2.01 TO 3             | 9.5'             | 4.5'             |
| 7        | 3.01 TO 4             | 12.0'            | 4.5'             |
| 8        | 4.01 TO 5             | 15.0'            | 4.5'             |
| 9        | 5.01 TO 6             | 21.5'            | 4.5'             |

### 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. 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

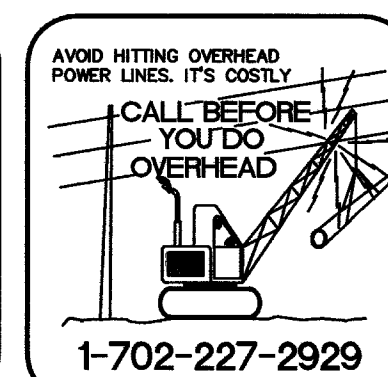
### DRAINAGE CERTIFICATION

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.

Roy D. Clark  
ROY D. CLARK, P.E. #8354

4/3/05  
DATE

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



Call before you UnderGround  
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1-702-229-6611