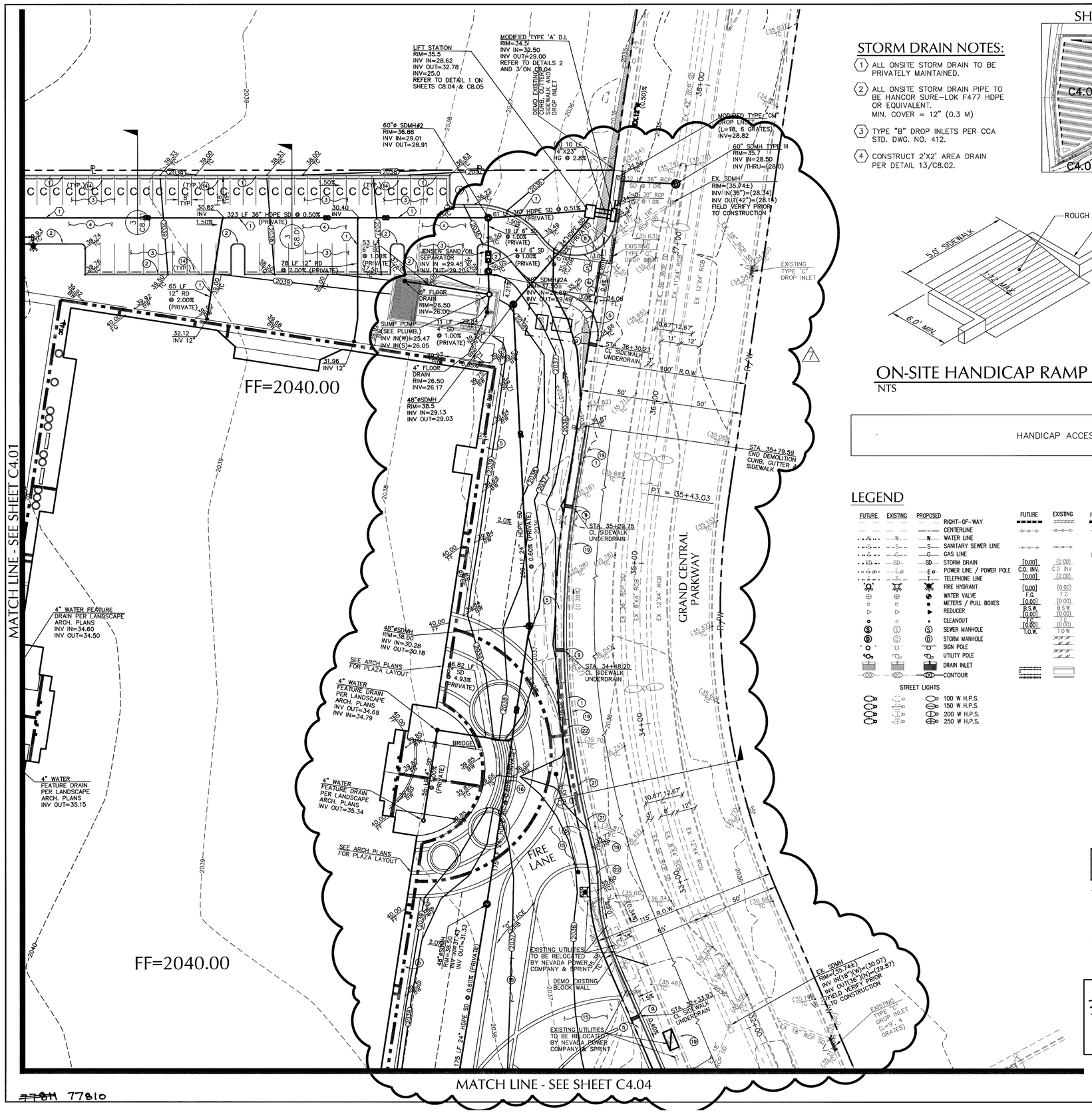
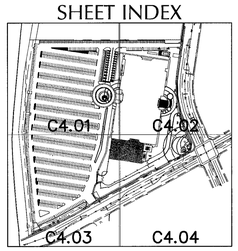
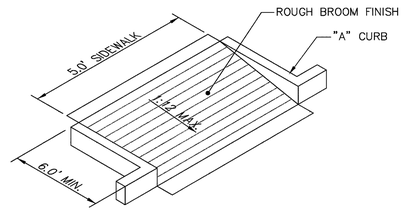


STORM DRAIN NOTES:

1. ALL ONSITE STORM DRAIN TO BE PRIVATELY MAINTAINED.
2. ALL ONSITE STORM DRAIN PIPE TO BE HANCOR SURE-LOK F477 HDPE OR EQUIVALENT. MIN. COVER = 12" (0.3 M)
3. TYPE "B" DROP INLETS PER CCA STD. DWG. NO. 412.
4. CONSTRUCT 2'X2' AREA DRAIN PER DETAIL 13/C8.02.

SHEET INDEX





ON-SITE HANDICAP RAMP

NTS

1 / C4.02

HANDICAP ACCESSIBLE ROUTE

LEGEND

FUTURE	EXISTING	PROPOSED		FUTURE	EXISTING	PROPOSED	
			RIGHT-OF-WAY				SCREEN / RETAINING WALL
			CENTERLINE				CHAIN LINK FENCE
W	W	W	WATER LINE				GRADE BREAK
S	S	S	SANITARY SEWER LINE				WIRE FENCE
G	G	G	GAS LINE			FF=0.00	FINISH FLOOR
SD	SD	SD	STORM DRAIN	[0.00]	(0.00)	0.00 C.O. INV.	CLEANOUT INVERT ELEVATION
E	E	E	POWER LINE / POWER POLE	C.O. INV.	C.O. INV	0.00	FLOW LINE
T	T	T	TELEPHONE LINE	[0.00]	(0.00)	0.00 F.G.	FINISH GRADE
			FIRE HYDRANT	[0.00]	(0.00)	0.00 B.S.W.	BACK OF SIDEWALK
			WATER VALVE	F.G.	F.G.	0.00 T.O.C.	TOP OF CURB
			METERS / PULL BOXES	[0.00]	(0.00)	0.00 T.O.W.	TOP OF WALL
			REDUCER	B.S.W.	B.S.W.		2" A.C. PAVING
			CLEANOUT	[0.00]	(0.00)		4" A.C. PAVING
			SEWER MANHOLE	T.O.C.	T.O.C.		TYPE "L" CURB & GUTTER
			STORM MANHOLE	T.O.W.	T.O.W.		TYPE "A" CURB
			SIGN POLE				CONCRETE
			UTILITY POLE				
			DRAIN INLET				
			CONTOUR				

STREET LIGHTS

100 W H.P.S.
150 W H.P.S.
200 W H.P.S.
250 W H.P.S.

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

BASIS OF BEARING

MONUMENT CENTERLINE OF BONNEVILLE AVENUE, BEING N 81°09'57" E AS DELINEATED ON "PARKWAY CENTER" BOOK 53, PAGE 61 OF PLATS.

BENCHMARK

CITY OF LAS VEGAS BM NO. OLV01 33E6,
A RIVET AND SQUARE PLATE IN THE NORTHWEST CURB RETURN OF BONNEVILLE AVE. @ GRAND CENTRAL PARKWAY
ELEV: 2036.09 NAVD 88

CONSTRUCTION NOTES

1. CONSTRUCT "L" TYPE CURB AND GUTTER PER CCA STD. DWG. NO. 216.
2. CONSTRUCT "A" TYPE CURB PER CCA STD. DWG. NO. 219.
3. INSTALL 2" MIN. A.C. PAVEMENT OVER 6" MIN. TYPE II AGGREGATE BASE OVER COMPACTED NATIVE BASE (95% COMPACTION) – PARKING.
4. INSTALL 3" MIN. A.C. PAVEMENT OVER 8" MIN. TYPE II AGGREGATE BASE OVER COMPACTED NATIVE BASE (95% COMPACTION) – TRAVEL LANES.
5. CONSTRUCT SIDEWALK PER CCA STD. DWG. NO. 234.
6. CONSTRUCT CASE I SIDEWALK RAMP PER CCA STD. DWG. NO. 234 & 235 (A+B=8').
7. CONSTRUCT COMMERCIAL DRIVEWAY PER CCA STD. DWG. NO. 222A, 225, & 228.
8. CONSTRUCT 8' VALLEY GUTTER PER CCA STD. DWG. NO. 228.
9. CONSTRUCT SIDEWALK UNDERDRAIN PER CCA STD. DWG. NO. 236. (SEE DETAIL 5/C8.01) PROVIDE LANDSCAPE/DRAINAGE SWALE 2' BEHIND SIDEWALK TO OUTLET AT SIDEWALK UNDERDRAIN.
10. CONSTRUCT 3' VALLEY GUTTER PER DETAIL 6/C8.01.
11. CONSTRUCT 2' CONCRETE CHANNEL PER DETAIL 9/C8.01.
12. STAMPED CONCRETE, SEE LANDSCAPE ARCH. PLANS.
13. PAINT "ISLANDS" AS INDICATED.
14. INSTALL CONCRETE BUMPER BLOCKS PER CCA STD. DWG. NO. 238.
15. INSTALL 6" DECORATIVE CONCRETE PAVEMENT OVER 12" TYPE II AGGREGATE BASE OVER COMPACTED NATIVE BASE. REINFORCED W/ 6X6 WWF.
16. CONSTRUCT CONCRETE STEPS PER DETAIL 7/C8.01.
17. ISLANDS TO BE LANDSCAPED, SEE LANDSCAPE ARCH. PLANS.
18. CONSTRUCT HC RAMP PER DETAIL 1 ON SHEET C4.02.
19. INSTALL 4" MIN. A.C. PAVEMENT OVER 4" MIN. TYPE II AGGREGATE BASE PER CCAREA STD. DWG 203 OR MATCH MATCH EXISTING CONDITIONS.
20. INSTALL MIN. 4" DECORATIVE STAMPED CONCRETE, MATCH EXISTING CONDITIONS.
21. INSTALL MODIFIED 24" ROLL CURB PER CC AREA STD. DWG 217A.
22. 10' TRANSITION FROM TYPE "L" CURB & GUTTER TO 24" ROLL CURB.
23. CONSTRUCT CASE II SIDEWALK RAMP PER CCA STD. DWG. NO. 235 (A+B=8').

UNADJUSTED EARTHWORK COMPUTATIONS

CUT YARDS (CY)	FILL YARDS (CY)	NET YARDS (CY)
26943	3764	23179 (CUT)

NOTE: DOES NOT INCLUDE FOUNDATION EXCAVATION

THIS GRADING PLAN COMPLIES WITH THE APPROVED DRAINAGE STUDY ON FILE WITH THE CITY OF LAS VEGAS.

JAMES R. DAVIS, P.E. — DATE: 3/3/05

SIGHT VISIBILITY ZONE:

NO STRUCTURE, VEGETATION OR OBJECT OF ANY KIND IS PERMITTED OVER TWENTY-FOUR (24) INCHES IN HEIGHT (MEASURED FROM THE TOP OF THE ADJACENT CURB IF CURB EXISTS) WITHIN THE SITE VISIBILITY ZONES

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY. CALL BEFORE YOU DIG OVERHEAD. CALL 1-702-227-2929

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY. Call before you Dig. 1-800-227-2600 UNDERGROUND SERVICE (USA)

GENERAL NOTE:

IT IS THE CONTRACTORS RESPONSIBILITY TO FILE A NOTICE OF INTENT/REQUEST TO BE INCLUDED IN THE STORM WATER GENERAL PERMIT, AND SUBMIT THE ASSOCIATED STORMWATER POLLUTION PREVENTION PLAN (SPPP) AS REQUIRED BY FEDERAL LAW, AND MONITORED BY THE NEVADA DIVISION OF ENVIRONMENTAL; PROTECTION.

MARTIN & MARTIN ASSUMES NO RESPONSIBILITY FOR EXISTING UTILITY LOCATIONS AND ELEVATIONS. THE UTILITIES SHOWN ON THIS DRAWING HAVE BEEN PLOTTED FROM THE BEST AVAILABLE INFORMATION. IT IS, HOWEVER, THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION AND ELEVATION OF ALL UTILITIES PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION. CONTRACTOR TO FIELD VERIFY ALL EXISTING SITE CONDITIONS PRIOR TO CONSTRUCTION. IF A CONFLICT EXISTS BETWEEN WHAT IS SHOWN ON THESE DRAWINGS AND WHAT EXISTS IN THE FIELD, THE CONTRACTOR IS TO NOTIFY THE ARCHITECT OR ENGINEER IMMEDIATELY.

no	description of revisions	date	name
1	REVISED SITE PLAN/ADDED OFFSITES/ADDED LIFT STATION	3/1/05	JRW

WORLD MARKET CENTER
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fax: (310)284-8100

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CIVIL ENGINEERS
2101 S. JONES, SUITE 120
LAS VEGAS, NV 89146
PHONE (702) 248-8000
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sheet: GRADING PLAN

title: WORLD MARKET CENTER PHASE I

date	9/12/03
job number	1913.01
design by	JON R. WAKENHUT, P.E.
drawn by	D. BUTZ
checked by	JAMES R. DAVIS, P.E.

seal: PROFESSIONAL ENGINEER - STATE OF NEVADA — JAMES R. DAVIS — Exp. 12-31-06 — CIVIL — No. 8292 — 3/3/05

sheet C4.02

SHEET 11 OF 25

drawing number 10713916

REPLOT

77810