LEGEND

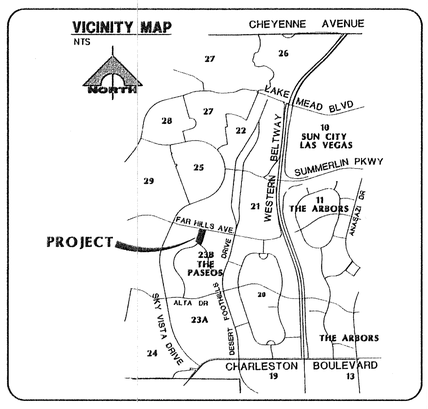
- PROPOSED UTILITIES
- EXISTING UTILITIES
- FUTURE UTILITIES
- SECTION LINE
- EASEMENT LINE
- RIGHT-OF-WAY LINE
- PROPERTY LINE
- CENTERLINE
- 100 YR HYDRAULIC GRADE LINE
- PROPOSED SEWER W/ MH AND CAP
- PROPOSED SD W/ MH AND DROP INLET
- PROPOSED WATER W/ GV AND CAP W/ BO
- STEEL SLEEVE
- CONCRETE ENCASEMENT
- EXISTING OVERHEAD AND POWER POLES
- EXISTING SIDEWALK AND RAMP
- IRRIGATION LINE
- ABANDONED PIPE
- EXISTING ABANDONMENT
- SAWCUT
- APPROXIMATE PAVEMENT RESTORATION
- TO BE ABANDONED PROFILE HATCH
- STUB & PLUG PIPE
- 100-YR HGL (ULT)
- 100-YR HGL (INT)
- 3005 — PROPOSED CONTOUR
- EXISTING CONTOUR
- 1 / CD1 — DRAWING NUMBER FOR DETAIL W/ REF. TO THE SHEET WHERE IT IS SHOWN
- BENCHMARK
- POTHOLE LOCATION
- BWV — SEWER BACK WATER VALVE
- PROPOSED FIRE HYDRANT
- EXISTING FIRE HYDRANT
- EXISTING DROP INLET
- EXISTING GATE VALVE
- EXISTING WATER METER
- EXISTING TRAFFIC SIGNAL PULL BOX
- EXISTING TELEPHONE MANHOLE
- EXISTING POWER POLE
- EXISTING ELEC MARKER
- EXISTING SERVICE PEDESTAL
- EXISTING FIRE HYDRANT
- EXISTING UTILITY BOX
- EXISTING METER BOX
- 60.50 TC — SPOT ELEVATION
- EXISTING SPOT ELEVATION
- 1.00% — ROAD SLOPE
- PROPOSED STREET LIGHT
- EXISTING STREET LIGHT
- TOP SLOPE / TOE SLOPE — 3:1 SLOPE UNLESS OTHERWISE NOTED ON PLAN
- RETAINING WALL

ABBREVIATIONS

A	AIR	FH	FIRE HYDRANT	R, RAD	RADIAL, RADIUS
AC	ASPHALT CONCRETE, ACRE	FL	FLOW LINE	R, RT	RIGHT
ACP	ASBESTOS CEMENT PIPE	FO	FIBER OPTIC	RCB	REINFORCED CONCRETE BOX
ADD'L	ADDITIONAL	FRP	FIBERGLASS REINFORCED PLASTIC	RCP	REINFORCED CONCRETE PIPE
AP	ANGLE POINT	FS	FINISH SURFACE	RD	ROAD
APN	ASSESSOR'S PARCEL NUMBER	FT	FOOT/FEET	RDWY	ROADWAY
APPROX	APPROXIMATELY	FTG	FOOTING	REC	RECTANGULAR
AASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS	FUT	FUTURE	REF	REFERENCE
		G	GAS	REINF	REINFORCED
		GA	GAGE, GUY ANCHOR	REQD	REQUIRED
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	GB	GRADE BREAK	RIM	TOP OF RIM ELEVATION
		GND	GROUND	RND	ROUND
AVE	AVENUE	GRD	GRADE, GROUND	ROW,R/W	RIGHT OF WAY
AVAR	AIR VALVE, AIR RELEASE ASSEMBLY	H, HGT	HEIGHT	RP	RADIUS POINT
		HDWL	HEADWALL	RPM	RAISED PAVEMENT MARKERS
AWWA	AMERICAN WATER WORKS ASSOCIATION	HGL	HYDRAULIC GRADE LINE	RSGV	RESILIENT SEAT GATE VALVE
		HORIZ	HORIZONTAL	S	SEWER, SOUTH
BC	BACK OF CURB	HP	HIGH POINT, HIGH PRESSURE	SCH	SCHEDULE
BCR	BEGIN CURB RETURN	HPS	HIGH PRESSURE SODIUM	SD	STORM DRAIN
BLM	BUREAU OF LAND MANAGEMENT	IBC	INTERNATIONAL BUILDING CODE	SDMH	STORM DRAIN MANHOLE
BLVD	BOULEVARD	INV	INVERT	SECT	SECTION
BM	BENCHMARK	INT	INTERIM	SF	SQUARE FOOT/FEET
BO	BLOW-OFF	JT	JOINT	SHLDR	SHOULDER
BVCE	BEGIN VERTICAL CURVE ELEVATION	L	LENGTH	SHT	SHEET
BVCS	BEGIN VERTICAL CURVE STATION	L, LT	LEFT	SIS	SUMMERLIN IMPROVEMENT STANDARDS (LATEST EDITION)
BW	BACK OF SIDEWALK	LF	LINEAR FEET		
℄	CENTERLINE	LIP	LIP OF GUTTER	SL	STREET LIGHT
C&G	CURB AND GUTTER	LN	LANE	SP	SERVICE POINT
CATV	UNDERGROUND CABLE TV	LP	LIGHT POLE	SQ	SQUARE
CCBM	CLARK COUNTY BENCH MARK	LS,LSCP	LANDSCAPE	SR	SEWER RECLAIM MAIN
CCPW	CLARK COUNTY PUBLIC WORKS	LVVWD	LAS VEGAS VALLEY WATER DISTRICT	SS	SANITARY SEWER
CCTV	CLOSED-CIRCUIT TELEVISION	MAX	MAXIMUM	SSMH	SANITARY SEWER MANHOLE
CCWRD	CLARK COUNTY WATER RECLAMATION DISTRICT	MH	MANHOLE	STA	STATION
		MIN	MINIMUM	ST	STREET
CFS	CUBIC FEET PER SECOND	MLCP	MORTAR LINED AND COATED PIPE	STD	STANDARD
CIP	CAPITAL IMPROVEMENTS PROJECT, CORRUGATED IRON PIPE	MOD	MODIFY/MODIFIED	STL	STEEL
		MON	MONUMENT	STRUCT	STRUCTURE
CIPM	CURED-IN-PLACE MANHOLE	MPH	MILES PER HOUR	SVZ	SIGHT VISIBILITY ZONE
CIPP	CURED-IN-PLACE PIPE	MUTCD	MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (LATEST EDITION)	SW	SIDEWALK
CIR	CIRCLE			SWG	SOUTHWEST GAS
CLR	CLEAR OR CLEARANCE			T	TELEPHONE OR TOP
CLSM	CONTROLLED LOW STRENGTH MATERIAL	N	NORTH	TAN	TANGENT
		NDOT	NEVADA DEPARTMENT OF TRANSPORTATION	TB	TOP OF BERM
CLV	CITY OF LAS VEGAS			TC	TOP OF CURB
CMP	CORRUGATED METAL PIPE	NO	NUMBER	TCE	TEMPORARY CONSTRUCTION ESMT
CMU	CONCRETE MASONRY UNIT	NOSHA	STATE OF NEVADA OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION	TEL,TELE	TELEPHONE
CNLV	CITY OF NORTH LAS VEGAS			TEMP	TEMPORARY
CO	CLEANOUT			TF	TOP OF FOOTING
CONC	CONCRETE	NPC	NEVADA POWER COMPANY	TG	TOP OF GRATE
COND	CONDUIT	NTS	NOT TO SCALE	TMH	TOP OF MANHOLE
CONST	CONSTRUCT OR CONSTRUCTION	OC	ON CENTER	TOP	TOP OF PIPE
COORD	COORDINATE	OHC	OVERHEAD COX COMMUNICATION	TP	TELEPHONE POLE
COR	CORNER	OHP	OVERHEAD POWER LINE	TRANS	TRANSITION
CPEP	CORRUGATED POLYETHELYNE PIPE	P	POWER LINE	TRW	TOP OF RETAINING WALL
CT	COURT	PB	PULL BOX	TS	TRAFFIC SIGNAL
CY	CUBIC YARD(S)	PBS	PLANTMIX BITUMINOUS SURFACE	TW	TOP OF WALL
Δ	DELTA	PC	POINT OF CURVE, PRESSURE CLASS	TYP,(TYP)	TYPICAL
DBL	DOUBLE			UDACS	UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR WATER DISTRIBUTION SYSTEMS (LATEST EDITION)
DCS	DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEM (LATEST EDITION)	PCC	POINT OF COMPOUND CURVE		
		PE	PROJECT ENGINEER OR POLYETHYLENE		
		PED	PEDESTRIAN	UG	UNDERGROUND
DEFL	DEFLECTION	PGL	PROFILE GRADE LINE	ULT	ULTIMATE
DG	DESIGN GRADE	PH	POTHOLE	USD, USDCCA	UNIFORM STD. DRAWINGS FOR PUBLIC WORKS' CONSTRUCTION OFF-SITE IMPROVEMENTS CLARK COUNTY AREA, NEVADA (LATEST EDITION)
DI	DROP INLET	PI	POINT OF INTERSECTION		
DIA, ø	DIAMETER	PIV	POST INDICATOR VALVE		
DIP	DUCTILE IRON PIPE	℄	PROPERTY LINE		
DIST	DISTANCE	PLCP	POLYURETHANE LINED AND COATED STEEL PIPE		
DR	DRIVE				
DS	DOWNSPOUT	PMF	PAVEMENT MARKING FILM	UT	UNDERGROUND TELEPHONE
DTL	DETAIL	POB	POINT OF BEGINNING	VAR	VARIABLE/VARIES
DW	DRIVEWAY	POC	POINT ON CURVE	VC	VERTICAL CURVE
DWG	DRAWING	P.O.C.	POINT OF CONNECTION	VCP	VITRIFIED CLAY PIPE
E	EAST	POT	POINT ON TANGENT	VERT	VERTICAL
ECR	END CURB RETURN	PP	POWER POLE	VG	VALLEY GUTTER
ELE,ELEC	ELECTRICAL	PROP	PROPOSED	VOL	VOLUME
ELEV	ELEVATION	PRC	POINT OF REVERSE CURVE	W	WATER, WEST
EP, EOP	EDGE OF PAVEMENT	PRVC	POINT OF REVERSE VERTICAL CURVE	W/	WITH
ESMT	EASEMENT			WS	WATER SUPPLY
EVC	END VERTICAL CURVE	PSI	POUNDS PER SQUARE INCH	WT	WEIGHT
EXIST,EX	EXISTING	PT	POINT OF TANGENCY	WTR	WATER
EXP	EXPANSION JOINT	PVC	POLYVINYL CHLORIDE	XING	CROSSING
FC	FACE OF CURB	PVI	POINT OF VERTICAL INTERSECTION	YD	YARD, YARD DRAIN
FF, FFE	FINISH FLOOR ELEVATION	PVMT	PAVEMENT		
FG	FINISH GRADE	PZ	PRESSURE ZONE		

VICINITY MAP

NTS



INDEX OF SHEETS

NO.	DRAWING	DESCRIPTION
1	G1	COVER SHEET
2	G2	PROJECT DATA
3	G3	GENERAL NOTES
4	HC1	HORIZONTAL CONTROL
5	P1	UTILITY PLAN AND PROFILE
6	R1	ROADWAY PLAN AND PROFILE
7	R2	ROADWAY GRADING
8	RD1	ROADWAY DETAIL
9	S1	SIGNAGE AND STRIPING PLAN
10	E1	STREET LIGHT AND TRAFFIC PLAN
11	E2	MASTER CONDUIT AND STREET LIGHTING NOTES AND DETAILS

QUANTITIES (PUBLIC)

ROADWAY		
3" AC PAVEMENT	6,655	SY
TYPE II AC PAVEMENT	2,220	CY
TYPE "L" CURB	1,505	LF
TYPE "L" ISLAND CURB	755	LF
TYPE "A" ISLAND CURB	805	LF
STORM DRAIN		
24" CLASS III RCP	130	LF
5' TYPE "CM2" DROP INLET	1	EA
12.5' TYPE "CM2" DROP INLET	2	EA
TYPE I STORM DRAIN MANHOLE	1	EA
IRRIGATION		
IRRIGATION SLEEVES	785	LF
STREET LIGHTING		
NO. 3-1/2 PULLBOX	3	EA
DOUBLE ARM STREET LIGHT	5	EA
CONDUIT	1060	LF

ALL SEWER/STORM DRAINS CROSSING WATER LINES MUST CONFORM TO SECTION 2.22 OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS (UDACS) FOR WATER AND STORM MAIN CROSSINGS AND CLEARANCES.

BASIS OF BEARINGS

NORTH 89°45'05" EAST BEING THE SOUTH LINE OF THE SOUTHWEST QUARTER (SW 1/4) OF SECTION 35, TOWNSHIP 20 SOUTH, RANGE 59 EAST, M.D.M., AS SHOWN BY MAP ON FILE IN FILE 91, PAGE 28 OF PARCEL MAPS IN THE CLARK COUNTY RECORDER'S OFFICE, CLARK COUNTY, NEVADA.

BENCHMARK

DESCRIPTION	NAVD 88 DATUM	NAVD 88 DATUM
RIVET AND PLATE IN TOP OF CURB @ NORTHEAST CORNER OF DESERT FOOTHILLS AND ALTA DRIVE	3304.45 (FEET)	1007.197 (METERS)
CLV BM No. 5LV09 34NE6		

LOCATION

LYING WITHIN SECTIONS 27+34 TOWNSHIP 20 SOUTH, RANGE 59 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA.

SUMMERLIN STREET CLASSIFICATION

DESERT FOOTHILLS DRIVE:	NEIGHBORHOOD ARTERIAL WITH BIKE LANES
MOUNTAIN SHADOW ROAD:	NEIGHBORHOOD COLLECTOR (LEVEL 1)
ANTELOPE RIDGE DRIVE:	NEIGHBORHOOD COLLECTOR (LEVEL 1)
FOX HILL DRIVE:	NEIGHBORHOOD COLLECTOR (LEVEL 1)
ALTA DRIVE:	NEIGHBORHOOD ARTERIAL WITH BIKE LANES
FAR HILLS AVENUE:	NEIGHBORHOOD ARTERIAL WITH BIKE LANES

APPROVED FOR CONSTRUCTION

1' Dishari, for DOA MEADE

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER

PROJECT NO. 121802 DATE: 7/30/13

H #50001

CLV #

107V5924-2

2872

REV	DATE	DESCRIPTION	DATE	AGEN APP	DATE	GOV APP	DATE 7/16/13

PROJECT NO. 62023B-209

DESIGN: DFK
DRAWN: DFK
CHECK: JLJ
PLOT DATE: 07-15-13
PLOT TIME: 13:18:10

G.C. WALLACE COMPANIES
ENGINEERS | PLANNERS | SURVEYORS
1555 S. RAINBOW BOULEVARD - LAS VEGAS, NV 89146
T: 702.804.2000 - F: 702.804.2799 - GCWALLACE.COM
LAS VEGAS NEBS SUITE

LAS VEGAS

F:\Projects\600\62023B-209\Dwg\Production\209-G2.dwg
Humberto Franco-Rivas

THE HOWARD HUGHES COMPANY, LLC

VILLAGE 23B FOX HILL DRIVE PHASE 2
ANTELOPE RIDGE DRIVE TO FAR HILLS AVENUE

PROJECT DATA

DRAWING
G2
2 OF 11 SHTS