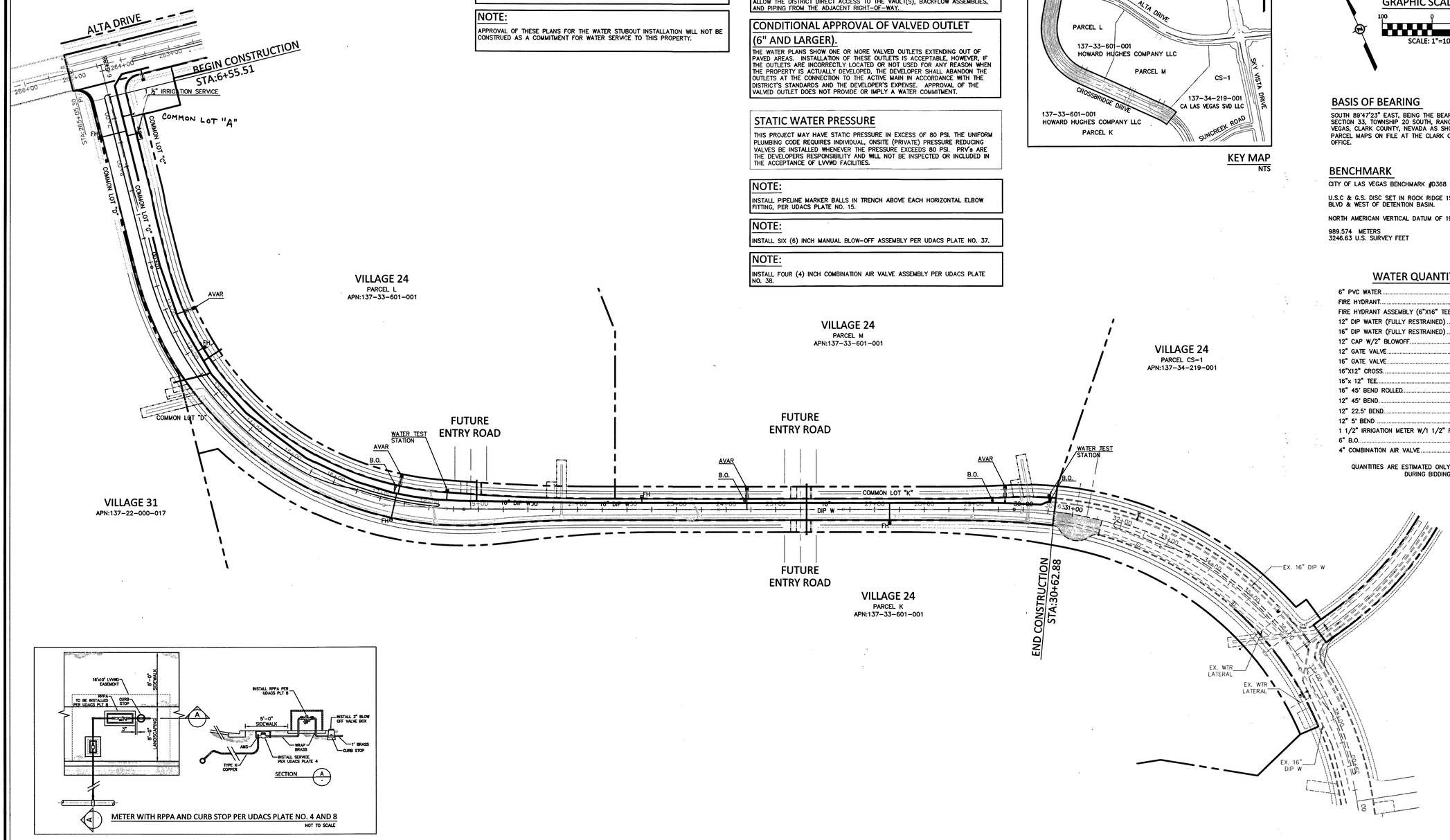


NOTE:

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.

NOTE:

APPROVAL OF THESE PLANS FOR THE WATER STUBOUT INSTALLATION WILL NOT BE CONSTRUED AS A COMMITMENT FOR WATER SERVICE TO THIS PROPERTY.

EASEMENT WITH TREES, SHRUBS, DECORATIVE ROCKS, BLOCK WALL, OR FENCE.

TREES, SHRUBS, OR DECORATIVE ROCKS, AND ANY BLOCK WALL OR OTHER FENCE MATERIAL SHALL BE DESIGNED AND CONSTRUCTED AROUND THE EASEMENT(S) TO ALLOW THE DISTRICT DIRECT ACCESS TO THE VAULT(S), BACKFLOW ASSEMBLIES, AND PIPING FROM THE ADJACENT RIGHT-OF-WAY.

CONDITIONAL APPROVAL OF VALVED OUTLET (6" AND LARGER).

THE WATER PLANS SHOW ONE OR MORE VALVED OUTLETS EXTENDING OUT OF PAVED AREAS. INSTALLATION OF THESE OUTLETS IS ACCEPTABLE, HOWEVER, IF THE OUTLETS ARE INCORRECTLY LOCATED OR NOT USED FOR ANY REASON WHEN THE PROPERTY IS ACTUALLY DEVELOPED, THE DEVELOPER SHALL ABANDON THE OUTLETS AT THE CONNECTION TO THE ACTIVE MAIN IN ACCORDANCE WITH THE DISTRICT'S STANDARDS AND THE DEVELOPER'S EXPENSE. APPROVAL OF THE VALVED OUTLET DOES NOT PROVIDE OR IMPLY A WATER COMMITMENT.

STATIC WATER PRESSURE

THIS PROJECT MAY HAVE STATIC PRESSURE IN EXCESS OF 80 PSI. THE UNIFORM PLUMBING CODE REQUIRES INDIVIDUAL, ONSITE (PRIVATE) PRESSURE REDUCING VALVES BE INSTALLED WHENEVER THE PRESSURE EXCEEDS 80 PSI. PRV's ARE THE DEVELOPERS RESPONSIBILITY AND WILL NOT BE INSPECTED OR INCLUDED IN THE ACCEPTANCE OF LVVWD FACILITIES.

NOTE:

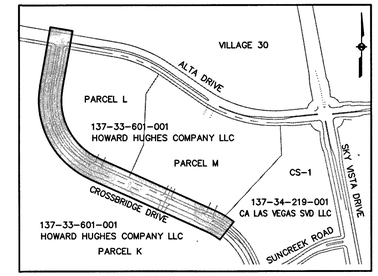
INSTALL PIPELINE MARKER BALLS IN TRENCH ABOVE EACH HORIZONTAL ELBOW FITTING, PER UDACS PLATE NO. 15.

NOTE:

INSTALL SIX (6) INCH MANUAL BLOW-OFF ASSEMBLY PER UDACS PLATE NO. 37.

NOTE:

INSTALL FOUR (4) INCH COMBINATION AIR VALVE ASSEMBLY PER UDACS PLATE NO. 38.



KEY MAP
NTS

GRAPHIC SCALE
100 0 50 100
SCALE: 1"=100'

BASIS OF BEARING

SOUTH 89°47'23" EAST, BEING THE BEARING OF THE NORTH LINE OF SECTION 33, TOWNSHIP 20 SOUTH, RANGE 59 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA AS SHOWN IN FILE 118, PAGE 100 OF PARCEL MAPS ON FILE AT THE CLARK COUNTY, NEVADA RECORDER'S OFFICE.

BENCHMARK

CITY OF LAS VEGAS BENCHMARK #0368

U.S.C & G.S. DISC SET IN ROCK RIDGE 150' SOUTH OF CHARLESTON BLVD & WEST OF DETENTION BASIN.

NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)

989.574 METERS
3246.63 U.S. SURVEY FEET

WATER QUANTITIES (PUBLIC)

6" PVC WATER	391	LF
FIRE HYDRANT	5	EA
FIRE HYDRANT ASSEMBLY (6"X16" TEE, 6" GATE VALVE)	5	EA
12" DIP WATER (FULLY RESTRAINED)	288	LF
16" DIP WATER (FULLY RESTRAINED)	2,485	LF
12" CAP W/2" BLOWOFF	4	EA
12" GATE VALVE	6	EA
16" GATE VALVE	4	EA
16"X12" CROSS	1	EA
16"x 12" TEE	3	EA
16" 45° BEND ROLLED	2	EA
12" 45° BEND	2	EA
12" 22.5° BEND	1	EA
12" 5° BEND	1	EA
1 1/2" IRRIGATION METER W/1 1/2" RPPA	1	EA
6" B.O.	4	EA
4" COMBINATION AIR VALVE	4	EA

QUANTITIES ARE ESTIMATED ONLY. CONTRACTOR IS TO VERIFY DURING BIDDING PROCESS.

METER WITH RPPA AND CURB STOP PER UDACS PLATE NO. 4 AND 8
NOT TO SCALE

CALL BEFORE YOU DIG
AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY
Call 811 or 1-800-227-2600

AVOID HITTING UNDERGROUND TRAFFIC SIGNAL AND STREET LIGHT SYSTEMS. IT'S COSTLY.
CALL BEFORE YOU DO UNDERGROUND WORK
CALL 1-702-455-7511 (CLARK COUNTY TRAFFIC OPERATIONS) OR CALL 1-702-432-5300 (FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION)

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

COLLINS ENGINEERS DISCLAIMER: COLLINS ENGINEERS 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.

LEGEND

EXISTING	PROPOSED		EXISTING	PROPOSED		EXISTING	PROPOSED		EXISTING	PROPOSED		EXISTING	PROPOSED	
(0.00) XXX	0.00 XXX	ELEVATION TAG	--E#--	—E#—	POWER LINE/POLE			FIRE HYDRANT			PL-RIGHT-OF-WAY			AC PAVEMENT
		DRAIN INLET	--T--	—T—	TELEPHONE LINE			FIRE DEPARTMENT CONNECTION			PL-ADJACENT			6" TYPE "A" CURB
		RETAINING WALL	--W--	—W—	WATER LINE			WATER VALVE			CENTERLINE			24" TYPE "L" CURB & GUTTER
		SCREEN WALL	--SS--	—SS—	SANITARY SEWER LINE			REDUCER			EASEMENT LINE			30" ROLL CURB
		UTILITY POLE	--D--	—D—	STORM SEWER LINE			SEWER MANHOLE			FLOW LINE			BWV BACK WATER VALVE
		STREET LIGHT	--G--	—G—	GAS LINE			CLEANOUT			SIGN W/POLE			
				(D)	STORM MANHOLE			GAS VALVE			SAWCUT LINE			
											AREA LIGHT			
											WATER METER			

LAS VEGAS FIRE & RESCUE — DATE 8/29/17

APPROVED FOR CONSTRUCTION
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER
DATE: 8/31/17 PROJECT NO: 124806
LVVWD APPROVED FIRE FLOW 1500 GPM AT 20 PSI RESIDUAL

107V7063

COLLINS ENGINEERS
3130 S. DURANGO DR., SUITE 404
LAS VEGAS, NV 89117
PHONE: (702) 248-8000
FAX: (702) 248-8070
www.collinsengr.com

PROFESSIONAL ENGINEER — STATE OF NEVADA
JAMES A. YANCEY
EXP. 06-30-18
CIVIL
NO. 016109
7/12/18

IMPROVEMENT PLANS FOR THE HOWARD HUGHES COMPANY, LLC

APN: 137-33-601-001

WATER MASTER PLAN

SUMMERLIN VILLAGE 24 – CROSSBRIDGE DRIVE UNIT 3
CITY OF LAS VEGAS

NO.	DATE	DESIGN BY	DESCRIPTION

CEI PROJECT: 9106
DESIGN BY: J. SALDIVAR
DRAWN BY: J. SALDIVAR
CHECKED BY: K. YAMADA
DATE: 04/2017
SCALE: 1"=100
SHEET NUMBER C5.02
SHEET 7 OF 26

H65276

PROJ#:124806 AGR:116009 QS:137-33-NE

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