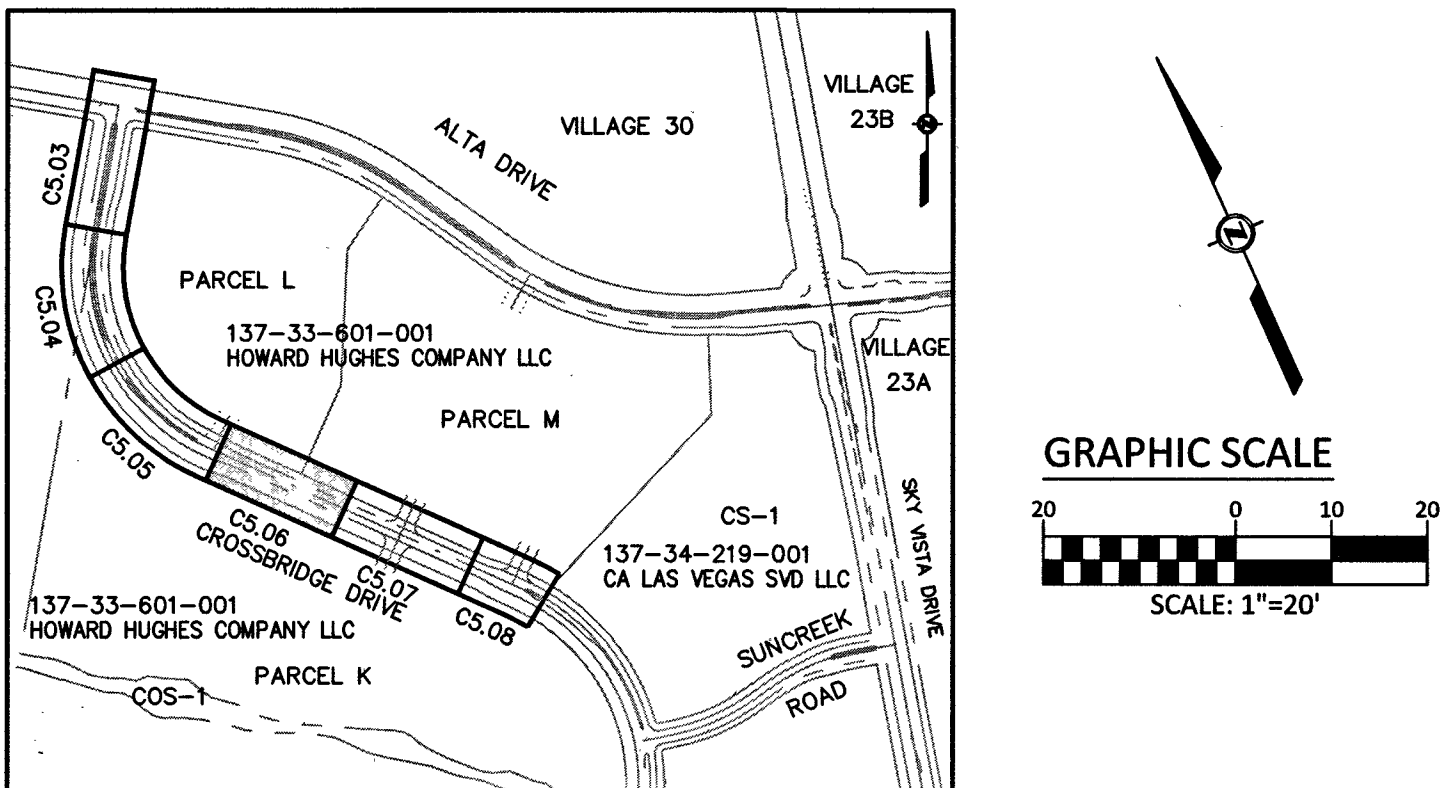




THOMAS E.
BYRON
EXP 12/31/18
CIVIL

EXP 6/30/19

PROFESSIONAL ENGINEER-STATE OF NEVADA
MICHAEL FANG
EXP 06/30/2019
CIVIL
No. 24464

NO.	ITEM: USCCA: UNIFORM STANDARD DRAWINGS CLARK COUNTY AREA
1	INSTALL "A" TYPE ISLAND CURB PER USD DWG NO. 219
2	INSTALL "L" TYPE CURB & GUTTER PER USD DWG NO. 216
3	INSTALL A.C. PAVEMENT PER TYPICAL STREET SECTION DETAILS
4	INSTALL HANDICAP RAMP CURB DEPRESSION (BY OTHERS)
5	VERIFY LOCATION AND ELEVATION OF EXISTING IMPROVEMENT. IF DISCREPANCY EXISTS, NOTIFY ENGINEER PRIOR TO CONSTRUCTION

NO.	ITEM: UDACS: PLATE NO. PER UNIFORM DESIGN AND CONSTRUCTION STANDARD FOR WATER DISTRIBUTION SYSTEMS.
①	INSTALL FIRE HYDRANT & ASSEMBLY (TEE & 6" GV) PER UDACS PLT. NO. 40 OR 41.
②	INSTALL TEE PER UDACS PLT. NO. 31 (*)
③	INSTALL BEND PER UDACS PLT. NO. 31. (SEE PLAN FOR Δ) (*)
④	INSTALL GATE VALVE PER UDACS PLT. NO. 30 AND 39 (*)
⑤	INSTALL REDUCER PER UDACS PLT. NO. 30 (*)
⑥	INSTALL CAP W/ 2" BLOW-OFF ASSY PER UDACS PLT. NO. 36 (*)
⑦	INSTALL 6" MANUAL BLOW OFF ASSY PER UDACS PLT. NO. 37
⑧	CLSM CLASS 1 BACKFILL IN THE TRENCH ZONE PER UDACS PLATE NO. 17 & 19
⑨	INSTALL VERT. 45° BEND PER UDACS PLT. NO. 31 (W/ REINSTRAINED JOINTS)
⑩	REMOVE CAP & BLOWOFF PER UDACS PLT. NO. 36 AND CONNECT TO EXISTING WATER LINE
⑪	INSTALL 4" COMBINATION AIR VALVE PER UDACS PLT. NO. 38
⑫	INSTALL 1 1/2" METER & RPPA PER UDACS PLT. NO. 4 & 8 & DETAIL SHEET CS.02 (BRASS BETWEEN METER & RPPA)
⑬	INSTALL CROSS PER UDACS PLT. NO. 31 (*)

NO.	ITEM: DCSWCS DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS
1	INSTALL 48" SEWER MANHOLE WITH SINGLE LD NOT USED
2	INSTALL 60" SEWER MANHOLE WITH SINGLE LD
3	INSTALL 48" SEWER MANHOLE W/CORROSION PROTECTION WITH SINGLE LD
4	INSTALL 60" SEWER MANHOLE W/CORROSION PROTECTION WITH SINGLE LD
5	INSTALL TEMPORARY PLUG AND CAP SEWER STUB
6	INSTALL ELASTOMERIC JOINT SEALANT AT ALL MANHOLE JOINTS PER DCSWCS 4.9.7
7	REMOVE EXISTING PLUG AND CONNECT TO EXISTING SEWER LINE

NO.	ITEM: UDACS: PLATE NO. PER UNIFORM DESIGN AND CONSTRUCTION STANDARD FOR WATER DISTRIBUTION SYSTEMS.
1	INSTALL TYPE 2 MODIFIED "CM2" DROP INLET PER USDOCA DWG. NO. 412-1 AND 421
2	NOT USED
3	INSTALL CAST-IN-PLACE MANHOLE PER DETAIL 7 SHEET C8.02
4	INSTALL JUNCTION STRUCTURE
5	INSTALL PRECAST MANHOLE TEE W/ 48" RISER
6	INSTALL PRECAST MANHOLE TEE W/ 60" RISER
7	INSTALL PRECAST ELBOW (SEE PLAN FOR)
8	INSTALL TEMPORARY PLUG AND CAP STORM DRAIN LINE
9	NOT USED
10	INSTALL WATER TIGHT ELASTOMERIC JOINTS PER UDACS 2.22.02
11	NOT USED
12	REMOVE EXISTING PLUG AND CONNECT TO EXISTING STORM DRAIN LINE

ONE OR MORE SEGMENTS OF THE DOWNSTREAM SEWER SYSTEM THAT WILL SERVE THIS PROJECT HAS NOT BEEN COMPLETED AND OR ACCEPTED FOR MAINTENANCE BY THE CITY OF LAS VEGAS, ANY WORK DONE ON THIS PROJECT PRIOR TO THE COMPLETION AND OR ACCEPTANCE OF THE DOWNSTREAM SEWER SYSTEM(S) SHALL BE DONE AT THE DEVELOPER'S OWN RISK. THE CITY OF LAS VEGAS RESERVES THE RIGHT TO PREVENT THE PHYSICAL CONNECTION OF THIS PROJECT TO THE DOWNSTREAM SEWER SYSTEM UNTIL ALL SEGMENTS HAVE BEEN COMPLETED AND ACCEPTED FOR MAINTENANCE OR UNTIL SUCH TIME AS THEY ARE DEEMED AVAILABLE FOR SERVICE.

DIP PIPE SHALL BE DEFLECTED AT JOINT ONLY. FOR PUSH-ON AND MECHANICAL
TYPE DIP JOINTS, MAXIMUM DEFLECTION SHALL BE (1.5) DEGREES PER JOINT
WITH A MINIMUM RADIUS OF CURVATURE OF 690 FEET FOR 18 FEET OF PIPE
LENGTHS AND 765 FEET FOR 20 FEET PIPE LENGTHS, PER UDACS 2.07.03.
FOR CHANGES IN DIRECTION EXCEEDING THE MAXIMUM ALLOWABLE JOINT
DEFLECTION, FITTINGS SHALL BE USED.

4 / ISHARI FOR
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

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

APN: 137-33-601-001
UTILITY PLAN & PROFILE

SIA. 19+00.00 TO 23+50.00
SUMMERLIN VILLAGE 24 - CROSSBRIDGE DRIVE UNIT 3
CITY OF LAS VEGAS

NO.		DATE	DESIGN BY	DESCRIPTION
1	12/27/17		APPO BY Jm	REVISED SS & SD LOCATION APPD BY Jm 4/2/18
2	02/02/18		APPO BY Jm	REVISED PH LOCATION, ADJUSTED ST LIGHTS 4/2/18
3	05/08/18		APPO BY Jm	REVISED TO ELEV 1.0m PLUG SD

DATE: 04/2017
SCALE: 1" = 20'
SHEET NUMBER C5.06 107V7063 SHEET 11 OF 26 H65276