ILLAGE 24
PARCEL M
137-33-801-002

VILLAGE 24
PARCEL CS-1
APN 137-34-219-001

VILLAGE 24
PARCEL K
APN 137-33-801-002

REMOVE TEMPORARY DIVERSION BERM

MATCHLINE 34+50 - SEE SHEET 22

PER CLV# 107V6423
EX. RIPRAP
D50=8"
THICKNESS=16"

RIPRAP
D50=8"
THICKNESS=16"
HEIGHT=5'

FUT. 12.5' TYPE "CM2" DI
30+22.52, 26.34' LT

30+49.52
61.65' LT
57.00 INV

30+69.00
47.06' LT

6'X24' LVVWD
ESMT. AVAR

6'X9' LVVWD
EASEMENT

32+27.00
36.81' LT

13.00 LF 16" DIP W (3665)

30+53.95
18.67' LT

30+42.92
23.33' LT
56.28 INV

30+53.60
6.09' RT

30+66.60
18.99' LT

165.19 LF 16" DIP W (3665)
R=695.00 Δ=13°37'05" T=82.98

275.02 LF 16" DIP W (3665)
R=695.00 Δ=22°40'21" T=139.33

209.46 LF 12" C-900 SS @ 1.20%
R=718.00 Δ=16°42'52" T=105.48

BEVELED R=704.00
66" RCP SD

SSMH #32
30+78.82
6.67' RT

SDMH #33
32+47.00
23.77' RT

SSMH #31
32+90.88
10.33' RT

283.44 LF 12" C-900 SS @ 0.64%
R=715.00 Δ=22°42'47" T=143.80

25.00 LF 12" C-900
SS @ 1.20%

30+33.33
19.60' RT

FUT. 12.5' TYPE "CM2" DI
30+53.20, 27.59' RT

30+63.63
END OF CONSTRUCTION

24.00'
32.86'
32.91'
40.00'
0.94%

CROSSBRIDGE DRIVE (PUBLIC)

SCALE: HORIZ 1" = 20'
VERT. 1" = 5'

MINIMUM 24" COVER PER UDACS SEC. 2.08.04 GRADING MUST BE COMPLETED PRIOR TO WATERLINE INSTALLATION

ALL 16" WATER LINES TO BE FULLY RESTRAINED.

AIR VAC (SEE PLAN)

SSMH #32 (48")
30+78.82, 6.67' RT
RIM: 3450.82±
INV IN: 3444.72 12" (NW)
INV OUT: 3444.52 12" (SE)

SDMH #33 (60")
32+47.00, 23.77' RT
RIM: 3448.33±
INV IN: 3435.94 66" (NW)
INV OUT: 3435.34 66" (SE)

SSMH #31 (48")
32+90.88, 10.33' RT
RIM: 3448.22±
INV IN: 3442.00 12" (NW)
INV OUT: 3441.80 12" (SE)

DESIGN GRADE @ ℄
EXISTING GROUND @ ℄
EXISTING GRADE @ ℄
PROPOSED GRADE @ ℄

25.00 LF 12" C-900
SS @ 1.20%

WSE 3445.41

16" DIP W (3665)

209.46 LF 12" C-900 SS @ 1.20%

100-YR HGL

16" GV
INV: 44.00

187.54 LF 66" RCP SD @ 1.33%
CLASS III (BEVELED)
Q_{100} = 262 cfs

6" PVC W
FH

5' MIN. COVER

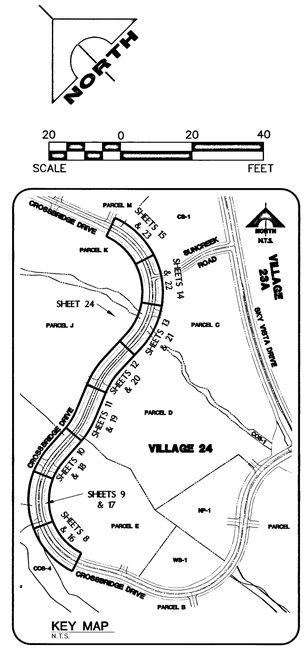
283.44 LF 12" C-900 SS @ 0.64%

228.64 LF 66" RCP SD @ 0.60%
CLASS III (BEVELED)
Q_{100} = 262 cfs

RIPRAP
D_{50}=8"
T=16"

19.49 LF 66" RCP
SD @ 1.33%
CLASS III (BEVELED)
Q_{100} = 262 cfs

(3452.73)	(3450.99)	3449.97	(3449.77)	3450.43	(3449.04)	3449.71	(3448.57)	3449.53	(3448.10)	3449.05	(3447.63)	3448.60	(3447.16)	3447.83	(3446.69)	3447.36	(3446.22)	3446.89
30+00				31+00				32+00				33+00				34+00		



REV	DATE	DESCRIPTION
1	09/14/16	ADDED METERS & IRRIGATION SLEEVES, REVISED SEWER MANHOLES
2	01/22/16	SPLIT CONSTRUCTION OF WATER MAINS INTO PHASES

DATE: 09/21/2016
JOSHUA J. JOHNSON
No. 15769
STATE OF NEVADA
ENGINEER
DATE | GCW APP | DATE | AGEN APP | DATE | S/B

PROJECT NO. 62024-222
DESIGN: GCW
DRAWN: GCW
CHECK: JJJ
PLOT DATE: 09-21-16
PLOT TIME: 08:45:46

G.C. WALLACE COMPANIES
ENGINEERS | PLANNERS | SURVEYORS
1555 S. RAINBOW BLVD · LAS VEGAS, NV 89146
T: 702.804.2000 · F: 702.804.2299 · GCWALLACE.COM
LAS VEGAS

F:\Projects\600\62024-222\DWG\Production\24CB2c23_UTB.dwg
Lupe Gracia

FAST
Call before you UnderGround
1-702-432-5500
FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION

Call before you Dig
Avoid cutting underground utility lines. It's costly.
Call 811
or
1-800-227-2600
NDOT
CLARK COUNTY TRAFFIC OPERATIONS
1-702-455-6000

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

NOTE

THIS SET OF DRAWINGS IS BASED UPON NAVD 88 DATUM. PREVIOUS DRAWINGS MAY BE BASED ON OTHER DATUM. CARE SHOULD BE OBSERVED WHEN UTILIZING THIS SET OF DRAWINGS

BASIS OF BEARINGS

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

BM #	DESCRIPTION	NAVD 88 DATUM	NAVD 88 DATUM
CLV BM No. D368	U.S.C. & G.S. DISC SET IN ROCK RIDGE 150' SOUTH OF CHARLESTON BLVD & WEST OF DETENTION BASIN.	3246.63 (FEET)	989.574 (METERS)

APPROVED FOR CONSTRUCTION / 1st App'd 12/23/15
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER
PROJECT NO. 123547 DATE: 9/27/16

THE HOWARD HUGHES COMPANY, LLC

VILLAGE 24 - CROSSBRIDGE DRIVE UNIT 2
IMPROVEMENT PLANS

CROSSBRIDGE DRIVE
UTILITY PLAN AND PROFILE 8

DRAWING 23
23 OF 53 SHTS

SID NO. 812 PROJECT 9A, 9B AND 10A PRO.#:123547 AGR#: 115478 OS:137-33-SE XC 11081