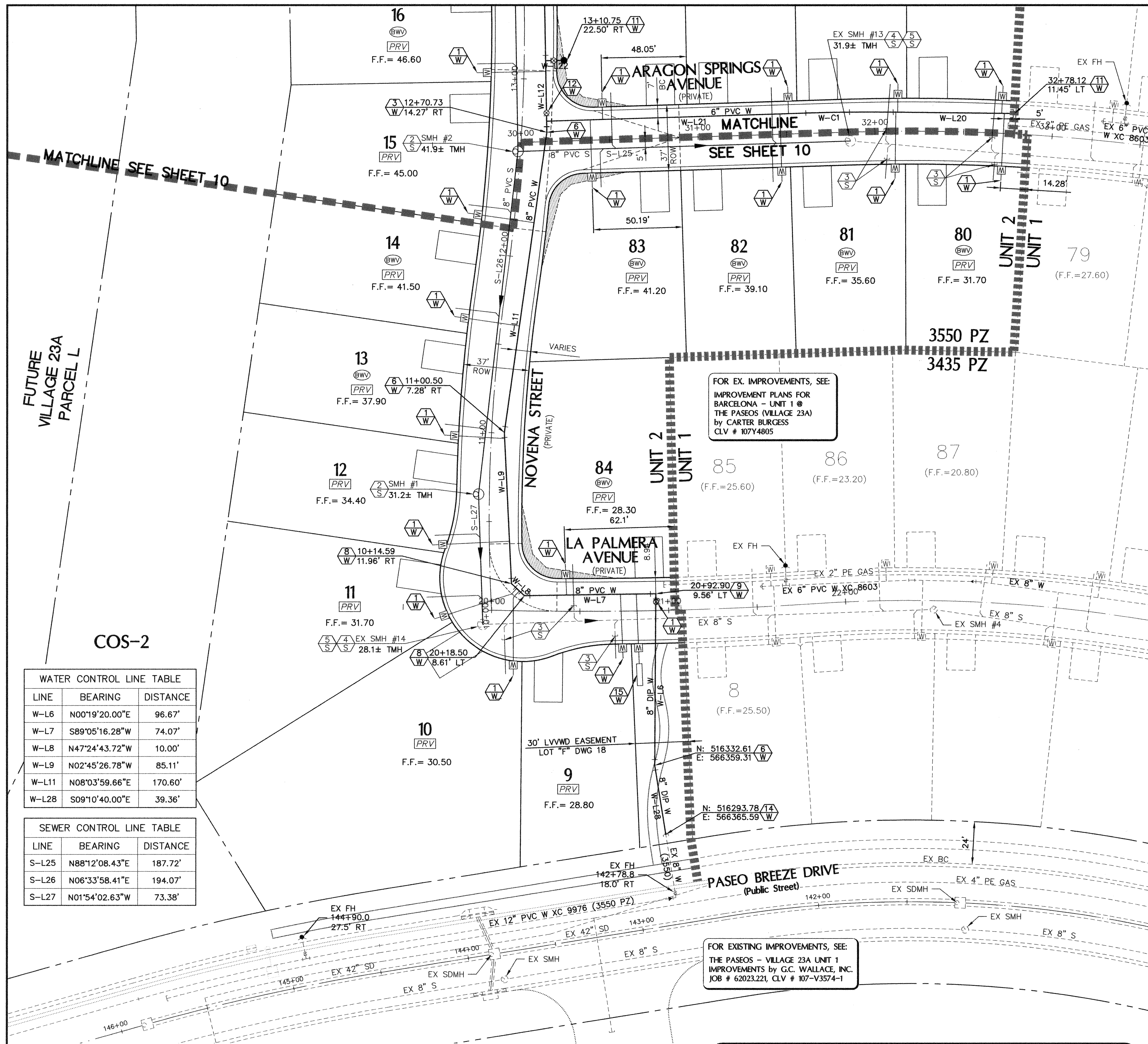




WATER CONTROL LINE TABLE

LINE	BEARING	DISTANCE
W-L6	N00°19'20.00"E	96.67'
W-L7	S89°05'16.28"W	74.07'
W-L8	N47°24'43.72"W	10.00'
W-L9	N02°45'26.78"W	85.11'
W-L11	N08°03'59.66"E	170.60'
W-L28	S09°10'40.00"E	39.36'

SEWER CONTROL LINE TABLE

LINE	BEARING	DISTANCE
S-L25	N88°12'08.43"E	187.72'
S-L26	N06°33'58.41"E	194.07'
S-L27	N01°54'02.63"W	73.38'

NOTE
ALL PRIVATE STREETS ARE P.U.E., PUBLIC SEWER EASEMENTS AND PUBLIC DRAINAGE EASEMENTS TO BE PRIVATELY MAINTAINED BY HOA.

* REDUCED PRESSURE PRINCIPLE ASSEMBLY (RPPA) (2) - 1"
APPROVED REDUCED PRESSURE PRINCIPLE ASSEMBLY(S) SHALL BE INSTALLED PER THE UDACS PLATE NO. 8. NO WATER SHALL BE TAKEN FROM A SERVICE REQUIRING BACKFLOW PREVENTION UNTIL THE REDUCED PRESSURE PRINCIPLE ASSEMBLY HAS BEEN SUCCESSFULLY TESTED BY THE LVWD. ANY BLOCK WALL OR OTHER FENCE MATERIAL SHALL BE DESIGNED AND CONSTRUCTED AROUND THE OUTSIDE OF THE EASEMENT(S) TO ALLOW THE DISTRICT ACCESS FROM THE ADJACENT RIGHT-OF-WAY. EASEMENTS SHALL BE CLEARLY MARKED OR STAKED PRIOR TO THE START OF CONSTRUCTION.

Call before you Dig
Underground
1-702-455-7511
1-702-229-6611

Call before you Dig
1-702-227-2929

Call before you Dig
1-800-227-2600
1-702-455-7544

FOR EXISTING IMPROVEMENTS, SEE:
THE PASEOS - VILLAGE 23A UNIT 1
IMPROVEMENTS BY G.C. WALLACE, INC.
JOB # 62023.221, CLV # 107-V3574-1

FOR EX. IMPROVEMENTS, SEE:
IMPROVEMENT PLANS FOR
BARCELONA - UNIT 1 @
THE PASEOS (VILLAGE 23A)
BY CARTER BURCESS
CLV # 107Y4805

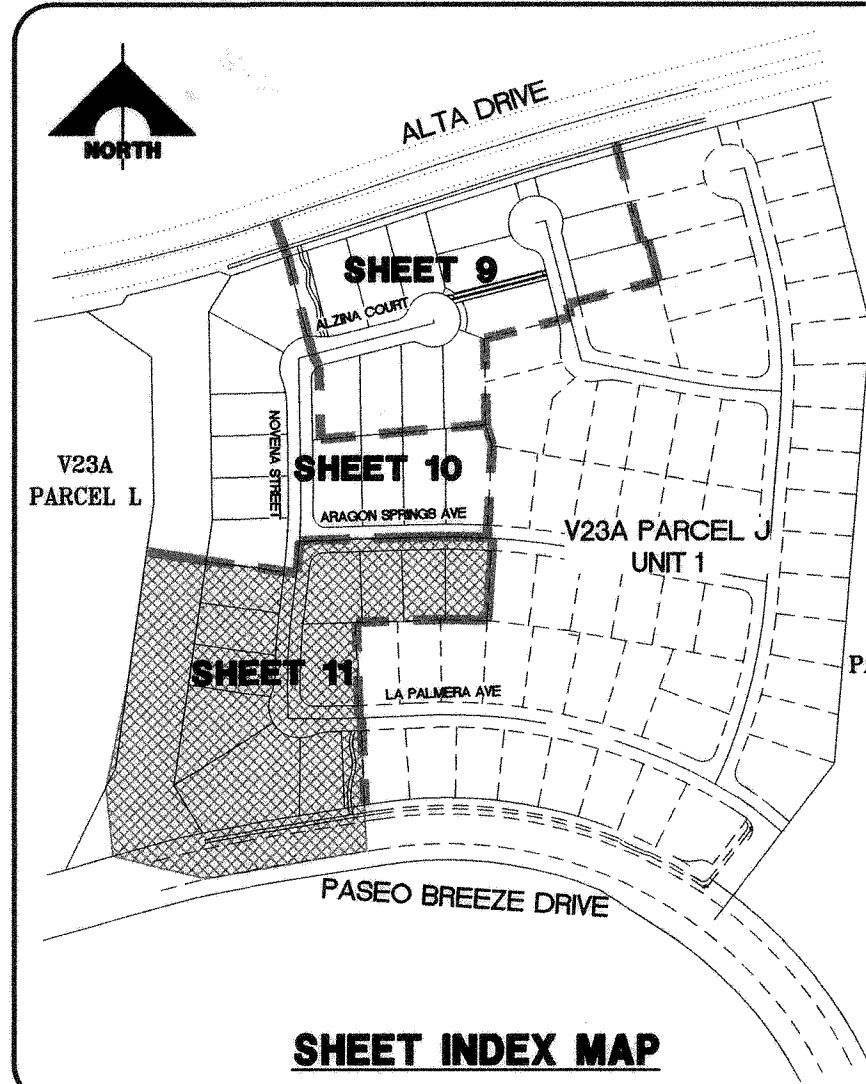
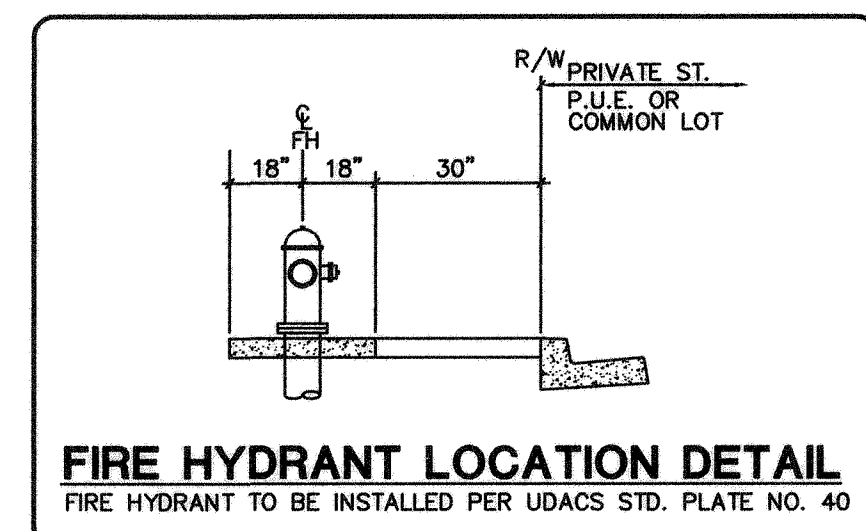
WATER MAIN JOINT DEFLECTION (PVC 4"-24")
PVC PIPE SHALL BE DEFLECTED AT THE JOINT ONLY. THE MAXIMUM ALLOWABLE DEFLECTION SHALL BE ONE (1) DEGREE PER JOINT WITH A MINIMUM ALLOWABLE RADIUS OF CURVATURE OF 1,150 FEET, PER UDACS 2.07.01 AND 2.07.02.
FOR CHANGES IN DIRECTION EXCEEDING THE MAXIMUM ALLOWABLE JOINT DEFLECTION, FITTINGS SHALL BE USED.

- NOTES:**
- SEE SHEET 2 AND 3 FOR CONSTRUCTION NOTES
 - FOR SEWER & STORM DRAIN DESIGN SEE PLAN & PROFILES
 - FOR STREETLIGHTS SEE STREETLIGHT AND TRAFFIC CONTROL PLAN (SHEETS 23-26)
 - INSTALL PIPELINE MARKER BALLS IN TRENCH ABOVE EACH HORIZONTAL ELBOW FITTING, PER UDACS PLATE NO. 27.

SEWER AVERAGE DAILY FLOWS =
34 LOTS X 250 GPD/LOT =
8,500 (0.0085 MGD)
SEWER PEAK FLOWS = 0.0300 MGD

UTILITY LEGEND

- EX 8" WL - EXISTING WATER LINE W/SIZE
- 8" PVC WL - PROPOSED WATER LINE W/SIZE
- 1" PROPOSED WATER LATERAL & 5/4" METER PER UDACS PLATE 4 OR 5/8" METER PER UDACS PLATE 2 AS NOTED
- PROPOSED FIRE HYDRANT W/6" LATERAL & 6" G.V.
- EX 8" SS - EXISTING SEWER LINE W/SIZE
- 8" PVC SS - PROPOSED SEWER LINE W/SIZE
- PROPOSED SEWER LATERAL
- PROPOSED SEWER MANHOLE
- GATE VALVE
- 8" WL - 6" WL - WATER REDUCER
- PROPOSED BLOW-OFF
- CONCRETE DRIVEWAY
- BWV - REQUIRES BACKWATER VALVE
- PRV - REQUIRES PRESSURE REDUCER VALVE
- EXISTING SEWER MANHOLE



FIRE FLOW CALCULATIONS
FIRE FLOW REQUIREMENT IS 1500 GALLONS PER MINUTE AT 20 PSI.
SQUARE FOOTAGE: LESS THAN 3,600 SQ. FT.
LARGEST AREA BETWEEN 4-HOUR AREA SEPARATION WALLS: N/A
BUILDING HEIGHT: 20 FT. MAX
NUMBER OF STORIES: 2
TYPE OF CONSTRUCTION: V-NR
OCCUPANCY: RESIDENTIAL
FULL AUTOMATIC FIRE SPRINKLER SYSTEM: NO

CONSTRUCTION NOTES

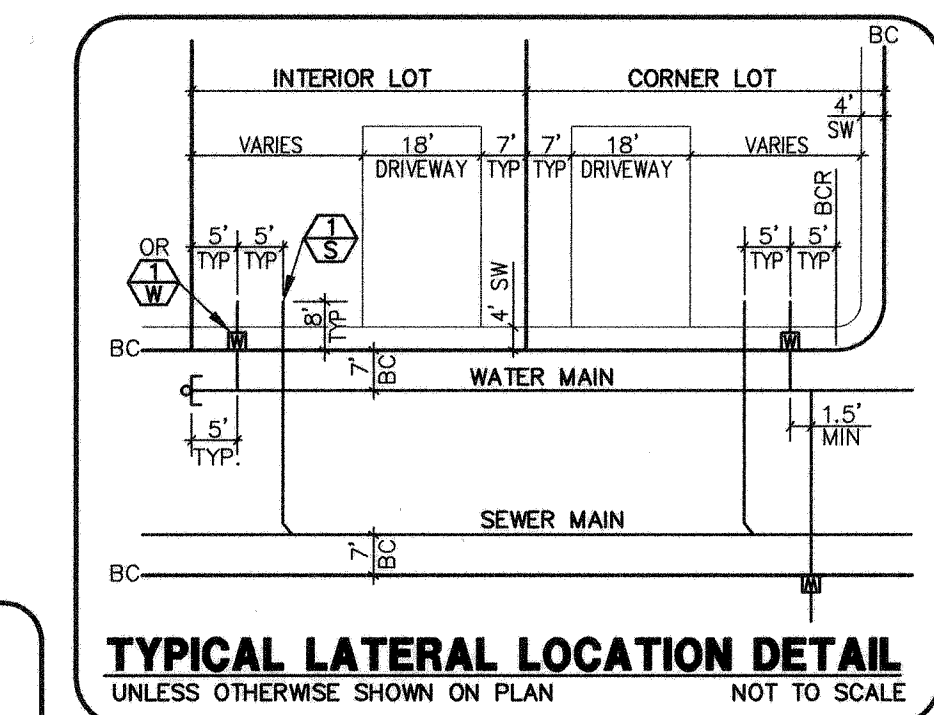
WATER

- INSTALL 3/4" WATER METER
- INSTALL 8"x8" TEE
- INSTALL 8"x8"x6" TEE
- INSTALL 8"x6" REDUCER
- NOT USED
- INSTALL 8" 11-1/4" BEND
- INSTALL 8" 22-1/2" BEND
- INSTALL 8" 45" BEND
- INSTALL 8" 90" BEND
- INSTALL CAP W/ 2" BLOW-OFF ASSEMBLY
- INSTALL FIRE HYDRANT ASSEMBLY
- INSTALL 8" GATE VALVE & BOX
- REMOVE CAP AND BLOW OFF & CONNECT TO EX. WATER LINE (CONTRACTOR TO VERIFY SIZE, INVERT, AND LOCATION OF EX. WATER LINE. IF DISCREPANCY EXISTS, NOTIFY ENGINEER PRIOR TO CONSTRUCTION).
- INSTALL 6" 45" BEND
- INSTALL 5/8" IRRIGATION METER AND 1" RPPA

SEWER

- INSTALL 4" SEWER LATERAL & MARKER
- INSTALL 48" DIA. SEWER MANHOLE
- REMOVE PLUG & CONNECT TO EX. SEWER LATERAL (CONTRACTOR TO VERIFY SIZE, INVERT, AND LOCATION OF EX. SEWER LATERAL. IF DISCREPANCY EXISTS, NOTIFY ENGINEER PRIOR TO CONSTRUCTION).
- CONNECT TO EX. SEWER MANHOLE PER DCSWCS SECTION 2.2.17. CONTRACTOR TO VERIFY INVERT AND LOCATION OF EX. SEWER MANHOLE. IF DISCREPANCY EXISTS, NOTIFY ENGINEER PRIOR TO CONSTRUCTION.
- ADJUST TO GRADE

WATER NOTE
THIS PROPERTY MAY HAVE STATIC WATER PRESSURE IN EXCESS OF 80 PSI. THE UNIFORM PLUMBING CODE REQUIRES THAT INDIVIDUAL, ON-SITE (PRIVATE), PRESSURE REDUCING VALVES BE INSTALLED WHENEVER THE PRESSURE EXCEEDS 80 PSI. PRV'S ARE THE DEVELOPER'S RESPONSIBILITY AND WILL NOT BE INSPECTED OR INCLUDED IN THE ACCEPTANCE OF LVWD FACILITIES. EASEMENTS SHALL BE CLEARLY MARKED OR STAKED PRIOR TO THE START OF CONSTRUCTION.



BENCHMARK
CITY OF LAS VEGAS BENCHMARK 0LV09 36NWWS
RIVET & PLATE IN TOP OF CURB RETURN @ NW CORNER OF PAVILLION CENTER & ALTA. 3024.16 FEET OR 921.767 METERS
NAVD 1988 DATUM

BASIS OF BEARINGS
NORTH 05° 59' 55" WEST BEING THE BEARING OF THE WEST LINE OF SECTION 34, T 20 S, R 59 E, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, AS SHOWN BY MAP THEREOF ON FILE IN FILE 91, PAGE 28 OF PARCEL MAPS IN THE CLARK COUNTY RECORDERS OFFICE, CLARK COUNTY, NEVADA.

LEGAL DESCRIPTION
BEING A SUBDIVISION OF A PORTION OF PARCEL 1 AS SHOWN BY MAP THEREOF ON FILE IN FILE 91, PAGE 28 OF PARCEL MAPS IN THE COUNTY RECORDER'S OFFICE, CLARK COUNTY, NEVADA, LYING WITHIN SECTION 34, TOWNSHIP 20 SOUTH, RANGE 59 EAST, AND THE NORTH HALF (N 1/2) OF THE NORTH HALF (N 1/2) OF SECTION 3, TOWNSHIP 21 SOUTH, RANGE 59 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA.

APPROVED FOR CONSTRUCTION
CITY OF LAS VEGAS FIRE DEPARTMENT
DATE: 11/9/10

APPROVED FOR CONSTRUCTION
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES MANAGER
PROJECT NO. 118536 DATE: 11/20/10

THE HOWARD HUGHES CORPORATION
ENGINEERS | PLANNERS | SURVEYORS
1555 S. RAINBOW BOULEVARD, LAS VEGAS, NV 89146
T: 702.804.2000 F: 702.804.2999 G: WALLACE.COM

PROJECT NO. 62023-970
DESIGN: [Signature]
CHECK: [Signature]
PLOT DATE: 11-08-10
PLOT TIME: 14:45:48

UTILITY PLAN 3
DRAWING 11
11 OF 23 SHTS

DATE: 11/9/10

107Y4805-2

125251

100% COMPLETE