

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA NEVADA", LATEST ISSUE; THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, CLARK COUNTY AREA NEVADA", LATEST REVISED EDITION; THE "SUMMERLIN IMPROVEMENT STANDARDS" FOR WORK IN THE SUMMERLIN AREA; AND OTHER APPLICABLE APPROVED STANDARDS ISSUED BY THE CONTROLLING AGENCY; THE UNIFORM BUILDING CODE; AND ALL LOCAL CITY CODES AND ORDINANCES APPLICABLE, EXCEPT AS NOTED ON THIS SHEET AS "DEVIATIONS FROM STANDARDS".
2. THE EXISTENCE AND LOCATION OF ANY OVERHEAD OR UNDERGROUND UTILITY LINES, PIPES, OR STRUCTURES OWNED BY ANY PARTY NOT OBTAINED BY A RESEARCH OF THE AVAILABLE RECORDS. EXISTING UTILITIES AS SHOWN FROM CIVIL PLANS LIBRARY ARE APPROXIMATE AND FOR RECORD PURPOSES. EXISTING UTILITIES ARE LOCATED ON PLANS ONLY FOR THE CONVENIENCE OF THE CONTRACTOR. EXISTING UTILITY SERVICE LATERALS MAY NOT BE SHOWN ON THE PLANS. THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, LOCATE ALL UNDERGROUND AND OVERHEAD UTILITIES AND STRUCTURES TO AVOID DAMAGE TO SAME. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING NEAR OVERHEAD UTILITIES SO AS TO SAFELY PROTECT ALL PERSONNEL AND EQUIPMENT, AND SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ANY UTILITY OR STRUCTURE DURING THE OPERATION.
3. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING UTILITY LINES, STRUCTURES AND STREET IMPROVEMENTS WHICH ARE TO REMAIN IN PLACE, FROM DAMAGE, AND ALL SUCH IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED SATISFACTORY TO THE CITY ENGINEER AND OWNING UTILITY COMPANY AT THE EXPENSE OF THE CONTRACTOR.
4. ALL CONSTRUCTION SHALL BE SHOWN ON THESE PLANS, ANY REVISIONS SHALL HAVE THE PRIOR WRITTEN APPROVAL OF THE CITY ENGINEER.
5. TYPE V CEMENT SHALL BE USED IN ALL OFF-SITE CONCRETE WORK. CONCRETE TO BE 3000 P.S.I. MINIMUM @28 DAYS. MIX DESIGN TO BE APPROVED BY THE CITY ENGINEER, PRIOR TO THE USE ON THE PROJECT.
6. PERMITS ARE REQUIRED FOR ANY WORK IN THE PUBLIC RIGHT-OF-WAY. THE CONTRACTOR SHALL SECURE ALL PERMITS AND INSPECTIONS REQUIRED FOR THIS CONSTRUCTION.
7. EXPANSION JOINTS REQUIRED, MAXIMUM EVERY 300' IN EXTRUDED-TYPE CURB.
8. AC PAVEMENT TO BE ONE-HALF INCH (1/2") ABOVE UP OF ALL GUTTERS AFTER COMPACTION, EXCEPT AT SIDEWALK RAMPS AND CROSS GUTTERS.
9. CURB AND GUTTER FOUND TO BE UNACCEPTABLE TO THE CITY OF LAS VEGAS SHALL BE REMOVED AND REPLACED PER STANDARD DRAWING 216.
10. SIDEWALK RAMPS SHALL BE CONSTRUCTED IN EACH QUADRANT OF AN INTERSECTION PER STANDARD DRAWING 235. EXACT LOCATION OF RAMPS MAY BE ADJUSTED IN THE FIELD BY A CITY INSPECTOR.
11. CONTRACTOR SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITIONS BETWEEN NEW CONSTRUCTION AND EXISTING SURFACES TO PROVIDE FOR PROPER DRAINAGE AND FOR INGRESS AND EGRESS TO NEW CONSTRUCTION. THE EXTENT OF TRANSITIONS TO BE AS SHOWN ON PLANS.
12. ALL GRADING WORK SHALL CONFORM TO THE SOILS REPORT AS PREPARED BY THE SOILS ENGINEER APPROVED BY THE CITY ENGINEER, AND AS SHOWN ON THESE PLANS.
13. EXACT LOCATION OF ALL SAWCUT LINES MAY BE ADJUSTED OR DETERMINED IN THE FIELD BY A CITY OF LAS VEGAS ENGINEER IF LOCATION ON PLANS IS NOT CLEARLY SHOWN, OR EXISTING PAVEMENT CONDITION REQUIRES RELOCATIONS.
14. CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PROTECT EXISTING PERMANENT SURVEY MONUMENTS, ANY MONUMENTS DISTURBED SHALL BE REPLACED AND ADJUSTED PER AVAILABLE RECORDS IN ACCORDANCE WITH N.R.S. STATUTE NO. 625.550.
15. UTILITY COMPANY METER BOXES, MANHOLE LIDS, VALVE COVERS, ETC., SHALL BE LOCATED OUT OF DRIVEWAYS, DRIVEWAY APRONS, FLOW LINES, AND CROSS GUTTERS UNLESS WRITTEN APPROVAL IS GRANTED BY THE UTILITY COMPANY AND THE CITY ENGINEER.
16. WALL NOTES AND ALL WALLS, NEW OR EXISTING, ARE ONLY SHOWN ON CIVIL PLANS FOR THE PURPOSE OF REVIEWING AND VERIFYING THE EXISTING CONDITIONS AND DISTANCE BETWEEN INTERSECTIONS. NEW WALLS REQUIRE A SEPARATE PERMIT AND INSPECTION BY THE BUILDING DEPARTMENT.
17. ASPHALT MIX DESIGN MUST BE SUBMITTED AND APPROVED BY THE CITY ENGINEER PRIOR TO THE PLACEMENT OF ASPHALT WITHIN CITY RIGHT-OF-WAY.
18. CONTRACTOR SHALL ADJUST ALL NEW AND EXISTING INLETS, VALVE BOXES, MANHOLE RIMS, AND SEWER CLEAN OUTS, ETC. TO FINISH GRADE AS APPLICABLE WHETHER OR NOT THEY ARE SHOWN ON THE PLANS.
19. MATERIALS, HANDLING AND PLACEMENT OF PORTLAND CEMENT CONCRETE (AS APPLICABLE) AND THE PLANS AND DETAILS SHOWN HEREON.

LVVWD PROJECT # 112652

1. NO WORK SHALL BEGIN UNTIL THE WATER PLANS HAVE BEEN APPROVED FOR CONSTRUCTION BY THE LVVMD. FOLLOWING WATER PLAN APPROVAL, NOTICE SHALL BE GIVEN TO THE LVVMD COMMUNICATION SUPPORT CENTER (258-3171) TWO (2) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION. FOR FUTURE INSPECTIONS, NOTICE MUST BE GIVEN BY 2:00 P.M. THE BUSINESS DAY PRIOR TO THE REQUESTED LVVMD INSPECTION.
2. WHEN REQUESTING INSPECTIONS, PLEASE REFER TO THE PROJECT # IDENTIFIED ABOVE.
3. ALL WORK SHALL CONFORM TO LVVMD STANDARD PLATES, DRAWINGS, AND SPECIFICATIONS, AND TO THE 2003 EDITION OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS (UDCS).
4. ALL WORK, EXCEPT AS MODIFIED BY THESE PLANS OR BY NOTE 2 ABOVE, SHALL CONFORM TO THE 2003 EDITION OF THE MOST RECENT DRAFT OR EDITION OF THE UNIFORM STANDARD SPECIFICATION FOR PUBLIC WORKS CONSTRUCTION OFFSITE IMPROVEMENT, CLARK COUNTY AREA.
5. A SINGLE PIPE MATERIAL SHALL BE USED THROUGHOUT THE PROJECT UNLESS OTHERWISE APPROVED BY THE LVVMD.
6. ALL SERVICE LATERALS TWO (2) INCHES IN DIAMETER AND SMALLER SHALL BE TYPE K COPPER TUBING WITH LVVMD APPROVED SERVICE SADDLES.
7. ALL WATER METER BOXES SHALL BE LOCATED OUTSIDE OF DRIVEWAY AREAS.
8. ALL VALVES SHALL BE LOCATED OUTSIDE OF DRIVEWAYS, VALLEY AND CURB GUTTERS.
9. ALL WATER AND STORM DRAIN OR SANITARY SEWER CROSSINGS SHALL CONFORM TO SECTION 2.19 OF THE 2003 EDITION OF THE UDCS.
10. ALL WATER FACILITIES SHALL BE FILLED, DISINFECTED, PRESSURE TESTED, FLUSHED, FILLED, AND AN ACCEPTABLE WATER SAMPLE OBTAINED, PRIOR TO CONNECTION TO THE LVVMD DISTRIBUTION SYSTEM.
11. THE CONTRACTOR MUST OBTAIN ALL METERS TWO (2) INCHES AND SMALLER FROM LVVMD CENTRAL STORES. TELEPHONE 258-3150 OR 258-3802, TWO (2) WORKING DAYS PRIOR TO METER PICKUP.
12. ANY INTERRUPTION OF SERVICE MUST BE PERFORMED IN ACCORDANCE WITH UDCS SECTION 3.13.01 AND APPROVED BY THE LVVMD INSPECTION DIVISION PRIOR TO SHUTTING DOWN. PRIOR WRITTEN NOTIFICATION MUST BE GIVEN TO ALL AFFECTED CUSTOMERS.
13. ALL WATER FACILITY CONSTRUCTION MATERIALS USED MUST BE AS LISTED ON THE LVVMD PRE-APPROVED MATERIALS AND MANUFACTURER'S LISTING FOR NEW FACILITIES, LATEST REVISION, OR SPECIFICALLY APPROVED ON THESE PLANS.
14. TELEPHONE "CALL BEFORE YOU DIG" AT 1-800-227-2600.

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

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

1. ALL CONSTRUCTION SIGNING, BARRICADING AND TRAFFIC DELINEATION SHALL CONFORM TO THE "MANUAL ON UNIFORM TRAFFIC DEVICES", LATEST EDITION.
2. THE STREET SIGN CONTRACTOR SHALL OBTAIN STREET NAMES AND BLOCK NUMBERING FROM THE PLANNING DEPARTMENT PRIOR TO CONSTRUCTION.
3. BEFORE ANY WORK IS STARTED IN THE RIGHT-OF-WAY, THE CONTRACTOR SHALL INSTALL ALL ADVANCED WARNING SIGNS FOR THE CONSTRUCTION ZONES. THE CONTRACTOR SHALL INSTALL TEMPORARY STOP SIGNS AT ALL NEW STREET ENCROACHMENTS INTO EXISTING CITY STREETS WHERE WARRANTED IMMEDIATELY AFTER FIRST GRADING WORK IS ACCOMPLISHED, AND SHALL MAINTAIN SAID SIGNS UNTIL PERMANENT SIGNS ARE INSTALLED.
4. WHEN A DESIGNATED "SAFE ROUTE TO SCHOOL" IS ENCLOSED UPON BY A CONSTRUCTION WORK ZONE AND PUBLIC WORKS STAFF IDENTIFIES A NEED FOR STUDENTS TO BE ASSISTED IN THE SAFE CROSSING THROUGH THAT WORK ZONE, THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE A QUALIFIED "CROSSING GUARD". THE GUARD SHALL BE PRESENT FOR THE FULL DURATION OF TIME THAT CHILDREN ARE LIKELY TO BE PRESENT.
5. IF THE IMPROVEMENTS NECESSITATE THE OBLITERATION, TEMPORARY OBSTRUCTION, TEMPORARY REMOVAL OR RELOCATION OF ANY EXISTING TRAFFIC PAVEMENT MARKING, SUCH PAVEMENT MARKING SHALL BE RESTORED OR REPLACED WITH LIKE MATERIALS TO THE SATISFACTION OF THE CITY TRAFFIC ENGINEER.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL PERMANENT SIGNS SHOWN ON THE PLANS. SIGNPOSTS SHALL CONFORM IN THEIR ENTIRETY TO CURRENT CITY STANDARDS. ALL OTHER SIGNS SHALL BE STANDARD SIZE UNLESS OTHERWISE SPECIFIED ON THE PLANS. ALL SIGN POSTS SHALL BE INSTALLED IN ACCORDANCE WITH THE CURRENT CITY STANDARDS.
7. WHEN A PROPOSED STREET LIGHT STANDARD IS LOCATED WITHIN FIVE (5') FEET OF ANY PROPOSED SIGN SHOWN ON THE PLANS TO BE MOUNTED ON A SIGNPOST, THE SIGN SHALL BE MOUNTED ON THE STREET LIGHT STANDARD AND THE SIGNPOST SHALL BE ELIMINATED.
8. ALL PERMANENT TRAFFIC CONTROL DEVICES CALLED FOR HEREON SHALL BE IN PLACE AND IN FINAL POSITION PRIOR TO ALLOWING ANY PUBLIC TRAFFIC ONTO THE PORTIONS OF THE ROAD-SITE BEING IMPROVED HEREUNDER, REGARDLESS OF THE STATUS OF COMPLETION OF PAVING OR OTHER OFF-SITE IMPROVEMENTS CALLED FOR BY THESE PLANS.
9. STREET SIGNS AND STOP SIGNS SHALL BE INSTALLED PER CITY STANDARD SPECIFICATIONS FOR PLACEMENT OF STREET NAME SIGNS.
10. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY TRAFFIC CONTROL DEVICES AND FLAGGERS TO ENSURE THE SAFETY OF THE PUBLIC IN OR AROUND THE WORK AREA. THE CONTRACTOR SHALL HAVE A CERTIFIED ATSSA TRAFFIC CONTROL TECHNICIAN OR IMSA WORK ZONE SAFETY SPECIALIST SET-UP, MAINTAIN AND/OR REMOVE ALL TRAFFIC CONTROL DEVICES IN THE CITY OF LAS VEGAS RIGHTS OF WAY.
11. WORK IN THE PUBLIC STREETS, ONCE BEGUN, SHALL BE EXPEDITED TO COMPLETION SO AS TO PROVIDE MINIMUM INCONVENIENCE TO ADJACENT PROPERTY OWNERS AND TO THE TRAVELING PUBLIC.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING CITIZENS AREA TRANSIT (C.A.T.) IF THE CONSTRUCTION INTERRUPTS OR DELAYS A BUS STOP OR HAS AN ADVERSE EFFECT ON BUS SERVICE ON THAT STREET TO ARRANGE FOR TEMPORARY RELOCATION OF STOP.
13. GUARDS SHALL BE OBTAINED BY CONTACTING THE METROPOLITAN POLICE DEPARTMENT SPECIAL EVENTS UNIT (PHONE NO. 229-3442) WHO WILL PROVIDE OFFICERS PROPERLY TRAINED IN TRAFFIC CONTROL. FEES FOR THE USE OF THESE OFFICERS SHALL BE SET UP BY METRO AND WILL BE PAID BY THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR ALL ARRANGEMENTS WITH METRO.
14. ANY WORK WITHIN 300' OF A SIGNALIZED INTERSECTION WILL BE NIGHT WORK, UNLESS DIRECTED BY THE CITY OF LAS VEGAS TRAFFIC ENGINEER.

DESC.	NAVD 88 DATUM	NAVD 88 DATUM
U.S.C. & G.S. BRASS DISC SET IN ROCK ON THE EAST SIDE OF CHARLESTON BOULEVARD AND SOUTH OF THE RED ROCK DETENTION BASIN. (CLV Bm No. D368 3)	3246.71 (FEET)	989.599 (METERS)

Diagram illustrating connection types:

- PROPOSED**: Solid lines connecting TOP and BOTTOM.
- BY SEPARATE CONTRACT**: Dashed lines connecting TOP and BOTTOM.
- EXISTING**: Dotted lines connecting TOP and BOTTOM.

I = IMPROVEMENTS
W = WATER
S = SEWER
SD = STORM DRAIN
SL = STREET LIGHTING
SIG = TRAFFIC SIGNAL
SMH = SEWER MANHOLE
SDMH = STORM DRAIN MANHOLE
CLV = CITY OF LAS VEGAS
VWVD = LAS VEGAS VALLEY WATER DISTRICT
LSCP = LANDSCAPE PANEL / PROPERTY LINE
NDOT = NEVADA DEPT. OF TRANSPORTATION
THHC = THE HOWARD HUGHES CORPORATION
UDS = UNIFORM DESIGN AND CONSTRUCTION
STANDARDS (UDACS)
USD = UNIFORM STANDARD DWGS. (CLARK COUNTY)
SWCS = DESIGN AND CONSTRUCTION STANDARDS FOR
WASTEWATER COLLECTION SYSTEMS

NOTE: LEGEND & ABBREVIATIONS IN THE "SUMMERLIN
"IMPROVEMENT STANDARDS", LATEST EDITION, WILL BE
UTILIZED FOR ANY LEGEND & ABBREVIATION REQUIRED
THAT ARE NOT SHOWN.

FOR LAS VEGAS FIRE & RESCUE GENERAL NOTES
SEE SHEET 3

FOR CLV SEWER NOTES SEE SHEET 3

1. IN THE EVENT THAT ANY UNFORESEEN CONDITIONS NOT COVERED BY THESE NOTES ARE ENCOUNTERED DURING GRADING OPERATIONS, THE OWNER/ENGINEER SHALL BE IMMEDIATELY NOTIFIED FOR DIRECTION.
2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PERFORM ALL NECESSARY CUTS AND FILLS WITHIN THE LIMITS OF THIS PROJECT AND THE RELATED OFF-SITE WORK, SO AS TO GENERATE THE DESIRED SUBGRADE, FINISH GRADES AND SLOPES SHOWN.
3. CONTRACTOR SHALL TAKE FULL RESPONSIBILITY FOR ALL EXCAVATION. ADEQUATE SHORING SHALL BE DESIGNED AND PROVIDED BY THE CONTRACTOR TO PREVENT UNDERMINING OF ANY ADJACENT FEATURES OF FACILITIES AND/OR CAVING OF THE EXCAVATION.
4. THE CONTRACTOR IS WARNED THAT AN EARTHWORK BALANCE WAS NOT NECESSARILY THE INTENT OF THIS PROJECT. ANY ADDITIONAL MATERIAL REQUIRED OR LEFTOVER MATERIAL FOLLOWING EARTHWORK OPERATIONS BECOMES THE RESPONSIBILITY OF THE CONTRACTOR.
5. THE GRADING CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH THE OWNER TO PROVIDE FOR THE REQUIREMENTS OF THE PROJECT STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND ASSOCIATED PERMIT.
6. CONTRACTOR SHALL GRADE TO THE LINES AND ELEVATIONS SHOWN ON THE PLANS WITHIN THE FOLLOWING HORIZONTAL AND VERTICAL TOLERANCES AND DEGREES OF COMPACTION, IN THE AREAS INDICATED:

	<u>HORIZONTAL</u>	<u>VERTICAL</u>	<u>COMPACTION</u>
A. PAVEMENT AREA SUBGRADE	0.1"+	+0.0' TO -0.1'	SEE SOILS REPORT
B. ENGINEER FILL	0.5"+	+0.1 TO -0.1'	SEE SOILS REPORT
7. COMPACTION TESTING WILL BE PERFORMED BY THE OWNER OR HIS REPRESENTATIVE AND COPIES OF TEST RESULTS WILL BE PROVIDED TO THE CITY.
7. ALL CUT AND FILL SLOPES SHALL BE PROTECTED UNTIL EFFECTIVE EROSION CONTROL HAS BEEN ESTABLISHED.
8. THE USE OF POTABLE WATER WITHOUT A SPECIAL PERMIT FOR BUILDING OR CONSTRUCTION PURPOSES INCLUDING CONSOLIDATION OF BACKFILL OR DUST CONTROL IS PROHIBITED. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FOR CONSTRUCTION WATER.
9. THE CONTRACTOR SHALL MAINTAIN THE STREETS, SIDEWALKS AND ALL OTHER PUBLIC RIGHT-OF-WAY IN A CLEAN, SAFE AND USABLE CONDITION. ALL SPILLS OF SOIL, ROCK OR CONSTRUCTION DEBRIS SHALL BE PROMPTLY REMOVED FROM THE PUBLICLY OWNED PROPERTY DURING CONSTRUCTION AND UPON COMPLETION OF THE PROJECT. ALL ADJACENT PROPERTY, PRIVATE OR PUBLIC SHALL BE MAINTAINED IN A CLEAN, SAFE AND USABLE CONDITION.
10. THE CITY MAY, IN THE EVENT THAT ANY TEMPORARY CONSTRUCTION ITEM IS REQUIRED THAT IS NOT SHOWN ON THESE DRAWINGS, REQUIRE THE OWNER TO PROVIDE AND INSTALL SUCH ITEMS AT HIS OWN EXPENSE AND AT THE DIRECTION OF THE CITY ENGINEER. TEMPORARY CONSTRUCTION INCLUDES DITCHES, BERMS, ROAD SIGNS AND BARRICADES, ETC.

NONE

1. COVER SHEET
2. PROJECT DATA SHEET
3. HORIZONTAL CONTROL PLAN 1
4. HORIZONTAL CONTROL PLAN 2
5. MASTER WATER PLAN
6. ALTA DRIVE PLAN AND PROFILE STA. 212+50 TO 220+00
7. ALTA DRIVE PLAN AND PROFILE STA. 220+00 TO 231+00
8. ALTA DRIVE PLAN AND PROFILE STA. 231+00 TO 241+00
9. SKY VISTA DRIVE PLAN AND PROFILE STA. 348+00 TO 355+00
10. SKY VISTA DRIVE PLAN AND PROFILE STA. 337+00 TO 348+00
11. SKY VISTA DRIVE PLAN AND PROFILE STA. 326+00 TO 337+00
12. SKY VISTA DRIVE PLAN AND PROFILE STA. 319+50 TO 326+00
13. LATERAL DETAILS
14. LATERAL DETAILS & MISCELLANEOUS DETAILS
15. MISCELLANEOUS DETAILS

FAR HILLS AVENUE:	NEIGHBORHOOD	ARTERIAL WITH BIKE LANES
FOX HILL DRIVE:	NEIGHBORHOOD	COLLECTOR (LEVEL 1) WITH SHARED BIKE LANES
SPOKE B:	NEIGHBORHOOD	COLLECTOR (LEVEL 1)
DESERT FOOTHILLS :	NEIGHBORHOOD	ARTERIAL WITH BIKE LANES
ALTA DRIVE:	NEIGHBORHOOD	ARTERIAL WITH BIKE LANES
SKY VISTA DRIVE:	NEIGHBORHOOD	COLLECTOR (LEVEL 1) WITH BIKE LANES
DESERT MOON ROAD:	NEIGHBORHOOD	COLLECTOR (LEVEL 2) WITH BIKE LANES

The map displays the Sun City Las Vegas area with the following details:

- Neighborhoods:** SUN CITY LAS VEGAS, 1 NORTH THE HILLS NORTH, 1 SOUTH THE HILLS SOUTH, 2 THE PUEBLO, 3 THE CANYONS, 7 THE TRAILS, 8 THE CROSSING, 11 THE ARBORES, 12 ARBORES, 20 THE VISTAS, 23A THE PASEOS, 23B THE PASEOS, 24 THE VISTAS, 25, 26, 27, 28, 29, 30, 31, 32.
- Streets:** CHEYENNE AVENUE, LAKE MEAD BLVD, L-38 BELTWAY, SUMMERLIN PKWY, FARR HILLS AVENUE, ALTA DR, DESERT SOUTHWAY, CHARLESTON BOULEVARD, HALLEMAN WAY, CROSBY DRIVE, SLOAN ROAD, L-38 BELTWAY, L-38 BELTWAY, L-38 BELTWAY.
- Other Features:** A 'PROJECT' area is highlighted in the southwest corner near the intersection of Lake Mead Blvd and Summerlin Pkwy.

WATER

	INSTALL 12" GATE VALVE & BOX W/1" RADIUS CONCRETE COLLAR	
	REMOVE CAP & BLOWOFF & CONNECT TO EXISTING WATER LINE (CONTRACTOR TO VERIFY SIZE, INVERT, AND LOCATION OF EXISTING WATER LINE)	
	INSTALL CAP W/ 2" BLOW-OFF ASSEMBLY	
	INSTALL 8" GATE VALVE & BOX	
	INSTALL 24"x8" TEE	
	INSTALL INSULATING FLANGE	
	INSTALL 24"x12" TEE	
	INSTALL 24" GATE VALVE & BOX	
	INSTALL COMBINATION AIR VALVE. SEE PLAN FOR SIZE	
	INSTALL FIRE HYDRANT ASSEMBLY	
	INSTALL 24"x6" TEE	
	INSTALL 12"x12" TEE	
	INSTALL 6" BLOW OFF	
	STEEL CASING PER UDACS PLATE NO. 15 & 16 AND SECTION 2.19	
	INSTALL 6" GATE VALVE & BOX	
	INSTALL BLIND FLANGE W/2" MANUAL AIR RELEASE ASSEMBLY	
	INSTALL 16" GATE VALVE & BOX	
	REMOVE EXISTING 24" "BUMPED HEAD" AND INSTALL FLANGE PER SH-1 DRAWING. CONNECT CONCENTRIC 24" X 12" REDUCER (CONTRACTOR TO VERIFY SIZE, INVERTS AND LOCATION OF EXISTING WATERLINE)	

 CONTRACTOR TO VERIFY LOCATION OF EXISTING IMPROVEMENT AND PROTECT IN PLACE

1. THE DESIGN GRADE (DG) INDICATED ON THESE PLANS IS FOR VERTICAL ELEVATION DESIGN CALCULATION PURPOSES AND DOES NOT NECESSARILY REPRESENT THE FINISH IMPROVEMENT GRADES @ CENTERLINE. (I.E. THROUGH MEDIAN AREAS).
2. ALL EXISTING UTILITY CROSSINGS MUST BE VERIFIED PRIOR TO CONSTRUCTION OF ANY MAIN LINES OR LATERALS THAT MAY BE ADVERSELY EFFECTED. ANY DISCREPANCIES IN LOCATION AND/OR ELEVATION MUST BE PROVIDED TO THE ENGINEER FOR ACCEPTANCE PRIOR TO CONSTRUCTION.
3. ALL COMMON LOTS AS SHOWN HEREIN TO BE PRIVATELY MAINTAINED BY THE OWNER. ALL CURB AND GUTTER SHALL BE FULLY INSTALLED BY SUMMER/LIN AS REQUIRED TO SERVICE THE DEVELOPMENT OF EACH PARCEL.
4. ALL WATER LINE GATE VALVES, SERVICE GATE VALVES, AND FIRE HYDRANT GATE VALVES ARE TO BE CONSTRUCTED UNDER A.C. PAVEMENT. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY THAT ALL WATER VALVE CANS DO NOT CREATE CONFLICTS WITH THE PROPOSED CURB LINE PRIOR TO PLACEMENT OF CONCRETE. ALL VALVE LOCATIONS SHOWN IN THESE DRAWINGS HAVE BEEN "SCALED-UP" FOR CLARITY ONLY.

24"	DIP WATER PIPE	PRESSURE CLASS 200	3886	LF
24"	CLASS 53 DIP WATER PIPE		96	LF
16"	DIP WATER PIPE		2153	LF
12"	DIP WATER PIPE		279	LF
10"	DIP WATER PIPE		28	LF
12"	PVC WATER PIPE		42	LF
8"	DIP WATER PIPE		146	LF
6"	PVC WATER PIPE		136	LF
24"	GATE VALVE		3	EA
16"	GATE VALVE		2	EA
12"	GATE VALVE		6	EA
10"	GATE VALVE		2	EA
8"	GATE VALVE		5	EA
6"	GATE VALVE		4	EA
	FIRE HYDRANT ASSEMBLY		5	EA
	CAP W/ 2" BLOWOFF		14	EA
24"x24"	TEE		1	EA
24"x12"	TEE		2	EA
24"x8"	TEE		4	EA
24"x6"	TEE		7	EA
16"x12"	TEE		2	EA
16"x8"	TEE		1	EA
16"x6"	TEE		3	EA
12"x12"	TEE		1	EA
	COMBINATION AIR VALVE ASSEMBLY		3	EA
6"	BLOW-OFF ASSEMBLY		2	EA
24"	11.25' BEND		4	EA
24"	22.5' BEND		1	EA
24"	45' BEND		1	EA
16"	45' BEND		2	EA
12"	11.25' BEND		4	EA
12"	22.50' BEND		4	EA
12"	45' BEND		1	EA
12"	90' BEND		4	EA
10"	90' BEND		6	EA
8"	45' BEND		1	EA
24"x16"	REDUCER		1	EA
24"x12"	REDUCER		1	EA
12"x10"	REDUCER		2	EA
	BLIND FLANGE W/2" MANUAL AIR RELEASE		1	LF
	PRV		1	PRV

LVVWD NO. 112652


LAS VEGAS VALLEY WATER DISTRICT

7/31/06
DATE

VILLAGE 23B 3550 ZONE 24' WATERLINE - PHASE 2

PROJECT DATA SHEET

SHEET
2

2 OF 15 SHTS

JOB NO. 62A.W04.216