CITY OF LAS VEGAS GENERAL NOTES

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE SUMMERLIN IMPROVEMENT STANDARDS AS APPROVED BY THE CITY COUNCIL ON 11/18/92, SIGNED BY CLV 2/2/93, AND REVISED 9/15/99 "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA NEVADA", LATEST ISSUE; THE "UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION, CLARK COUNTY AREA NEVADA", LATEST ISSUE; 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 SHOWN ON THESE PLANS ARE OBTAINED BY A RESEARCH OF THE AVAILABLE RECORDS. EXISTING UTILITIES AS SHOWN FROM CLV PLAN LIBRARY ARE APPROXIMATE AND FOR RECORD PURPOSES. EXISTING UTILITIES ARE LOCATED ON THESE 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 INTERFERENCE WHICH MAY AFFECT HIS OPERATION DURING CONSTRUCTION AND SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO SAME. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING NEAR OVERHEAD OR UNDERGROUND POWER, GAS AND/OR OTHER UTILITIES SO AS TO SAFELY PROTECT ALL PERSONNEL AND EQUIPMENT, AND SHALL BE RESPONSIBLE FOR ALL COSTS AND LIABILITY IN CONNECTION THEREWITH.
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 OR OWNING UTILITY COMPANY AT THE EXPENSE OF THE CONTRACTOR.
4. ALL CONSTRUCTION SHALL BE AS 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 PRIOR TO 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 1/2" ABOVE LIP OF ALL GUTTERS AFTER COMPACTION, EXCEPT AT SIDEWALK RAMPS AND CROSS GUTTERS
9. CURB & GUTTER WITH A GRADE OF LESS THAN FIVE TENTHS OF ONE PERCENT SHALL BE WATER TESTED AS SOON AS POSSIBLE AFTER CONSTRUCTION. ANY CURB AND GUTTER FOUND TO BE UNACCEPTABLE TO THE CITY SHALL BE REMOVED AND REPLACED AT THE EXPENSE OF THE CONTRACTOR PER SUMMERLIN STD DRAWING NO. S-47.
10. SIDEWALK RAMPS SHALL BE CONSTRUCTED AS SHOWN ON PLANS PER SUMMERLIN STD. DRAWING NO. S-75. 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 DETERMINED IN THE FIELD BY A CITY OF LAS VEGAS INSPECTOR IF LOCATION ON PLANS IS NOT CLEARLY SHOWN, OR OR EXISTING PAVEMENT CONDITION REQUIRES RELOCATION.
14. THE 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. ALL WALLS, NEW OR EXISTING, ARE ONLY SHOWN ON CIVIL PLANS FOR YTHE PURPOSE OF REVIEWING GRADING RELATIONSHIPS; FLOOD CONTROL AND SIGHT DISTANCE AT 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 SHALL BE IN ACCORDANCE WITH APPLICABLE SECTIONS OF NDOT OR THE CLARK COUNTY AREA SPECIFICATIONS (AS APPLICABLE) AND THE PLANS AND DETAILS SHOWN HEREON.

LEGEND & ABBREVIATION

- (1) DETAIL DRAWING NUMBER
- (1/–) DRAWING NUMBER FOR DETAIL DRAWN ON SAME SHEET
- (1/7) DRAWING NUMBER FOR DETAIL WITH REFERENCE TO THE SHEET IT IS DRAWN ON
- (D1,D2/S) DRAWING NUMBER(S) FOR DETAIL(S) PER SUMMERLIN IMPROVEMENTS STANDARDS, OR PER STANDARDS IN ABBREVIATION TABLE
- ⟨1/I⟩ INDICATES CONSTRUCTION NOTE
- ⟨A/I⟩ INDICATES REMOVAL NOTE
- ① INDICATES CURVE NUMBER
- INDICATES SEWER MANHOLE IN PROFILE
- INDICATES STORM DRAIN MANHOLE IN PROFILE
- (60.5)/TC EXIST. SPOT ELEVATION
- END PIPE & PLUG
- CONCRETE ENCASEMENT
- EXISTING PAVEMENT TO BE REMOVED

EMBANKMENT

TOP / BOTTOM — PROPOSED

BY SEPARATE CONTRACT

EXISTING

ABBREVIATION

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
LVVWD	=	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)
DCSWCS	=	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 WHICH ARE NOT SHOWN.

NOTE

SEE SHEET 4 FOR CITY OF LAS VEGAS SEWER NOTES.
SEE SHEET 4 FOR CITY OF LAS VEGAS FIRE DEPARTMENT NOTES.
SEE SHEET 4 FOR LAS VEGAS VALLEY WATER DISTRICT NOTES.
SEE SHEET 17 FOR CITY OF LAS VEGAS TRAFFIC NOTES.
SEE SHEET 19 FOR CITY OF LAS VEGAS STREETLIGHT NOTES.

NOTE:

N.D.O.T. ENCROACHMENT PERMIT(S) REQUIRED FOR PROJECT CONSTRUCTION

THE CONSTRUCTION, MAINTENANCE, AND USE OF PEDESTRIAN WALKWAYS AND LANDSCAPING WITHIN THE STATE OF NEVADA, DEPARTMENT OF TRANSPORTATION RIGHT-OF-WAY WILL REMAIN A HIGHWAY AGREEMENT (OR AN AMENDMENT TO EXISTING HIGHWAY AGREEMENT NUMBER NM476-97-030). ALL LANDSCAPE WITHIN THE N.D.O.T. RIGHT-OF-WAY AND COMMON LOTS ADJACENT TO THIS RIGHT-OF-WAY WILL BE PRIVATELY MAINTAINED BY SUMMERLIN H.O.A.(S).

CITY OF LAS VEGAS GRADING NOTES

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:

	HORIZONTAL	VERTICAL	COMPACTION)
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

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 SI REQUIRED THAT IS NOT SHOWN ON THESE DRAWINGS, REQUIRE THE OWNER TO PROVIDE AND INSTALL SUCH ITEM AT HIS OWN EXPENSE AND AT THE DIRECTION OF THE CITY ENGINEER. TEMPORARY CONSTRUCTION INCLUDES DITCHES, BERMS, ROAD SIGNS AND BARRICADES, ETC.

DEVIATIONS

1. REMOVE PROTECTION BAR FROM STORM DRAIN DROP INLETS (S.I.S. DWG. NO. D-21 AND USD NO. 419); AS DIRECTED BY THE CITY OF LAS VEGAS.
2. TYPICAL MAXIMUM WIDTH OF CHARLESTON BLVD. (FROM BC TO BC) IS 86 FEET, IN LIEU OF 78 FEET PER S.I.S. DWG. NO S-5A. THE ADDITIONAL WIDTH PROVIDES FOR 12 FOOT TRAVEL LANES AND 2 FOOT "SHY LANE" AROUND THE MEDIAN ISLANDS, AS REQUIRED BY N.D.O.T.
3. THE TURNING MOVEMENTS HAVE BEEN RESTRICTED AT THE INTERSECTION OF CHARLESTON BLVD. AND COLLECTOR ROAD. EASTBOUND TO NORTHBOUND LEFT TURNS COULD NOT BE ACCOMODATED, DUE TO THE CLOSE PROXIMITY OF AN EXISTING BRIDGE TO THE WEST.
4. STREETLIGHTS ARE LOCATED ALONG THE BACK OF CURB ALIGNMENTS, IN LIEU OF THE MEDIAN ISLAND PER S.I.S. DWG. NO. E-1. THIS DESIGN IS IN ACCORDANCE WITH THE VILLAGE 23A MASTER STREETLIGHT PLAN, AS APPROVED BY THE CITY OF LAS VEGAS.
5. THE DESIGN/POSTED SPEED LIMIT IS 50 MPH/45 MPH, IN LIEU OF 45 MPH/35 MPH PER S.I.S. DWG. NO. DC-1. THIS SEGMENT OF CHARLESTON BLVD. IS CONSIDERED A TRANSITIONAL PIECE BETWEEN A 45 MPH ZONE TO THE EAST AND A 60 MPH RURAL HIGHWAY TO THE WEST.

CONSTRUCTION NOTES

1. ALL BARRICADING AND TEMPORARY TRAFFIC CONTROL DEVICES OR METHODS USED DURING CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE "NEVADA TRAFFIC CONTROL MANUAL," MOST RECENT EDITION, PUBLISHED BY THE STATE OF NEVADA, DEPARTMENT OF HIGHWAYS, EXCEPT AS OTHERWISE PROVIDED IN THE CONTRACT SPECIFICATIONS OR AS REQUIRED BY THE ENGINEER.
2. AT THE TIME OF PRE-CONSTRUCTION CONFERENCE, THE CONTRACTOR SHALL FURNISH, FOR APPROVAL, A TRAFFIC BARRICADING PLAN AND METHOD OF MAINTAINING PUBLIC CONVEYANCE AND SAFETY THROUGHOUT THE CONSTRUCTION AREA. TRAFFIC BARRICADING PLANS SHALL COMPLY WITH APPLICABLE PORTIONS OF SECTIONS 624 AND 625 OF THE STANDARD SPECIFICATIONS, THE TRAFFIC CONTROL MANUAL AND APPLICABLE CITY ORDINANCES.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERTICAL ADJUSTMENT OF EXISTING SANITARY, WATER AND STORM SEWER MANHOLES TO THE FINAL FINISH GRADES AS NOTED ON THE CONTRACT DRAWINGS, AND IN ACCORDANCE WITH SECTION 609 OF THE "STANDARD SPECIFICATIONS," AND ANY VERTICAL ADJUSTMENTS OF WATER VALVE BOXES AND OTHER APPURTENANCES SHALL BE IN ACCORDANCE WITH THE DETAILS SHOWN ON THE CONTRACT DRAWINGS.
4. 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).
5. 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.
6. ALL COMMON LOTS AS SHOWN HEREIN TO BE PRIVATELY MAINTAINED BY THE SUMMERLIN H.O.A. A FUTURE MEANDERING SIDEWALK WILL BE INSTALLED BY SUMMERLIN AS REQUIRED TO SERVICE THE DEVELOPMENT OF EACH PARCEL.
7. 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 VALVES CANS DO NOT CREATE CONFLICTS WITH THE PROPOSED CURB LINE PRIOR TO PLACEMENT OF CONCRETE. ALL WATER FACILITIES SHOWN IN THESE DRAWINGS HAVE BEEN "SCALED-UP" FOR CLARITY ONLY.

CONSTRUCTION NOTES

IMPROVEMENTS

- ⟨1/I⟩ INSTALL A.C. PAVEMENT PER STREET SECTIONS, SEE SHEET 12
- ⟨2/I⟩ INSTALL 6" TYPE '5' N.D.O.T. CURB & GUTTER (R-5.1.1 / NDOT)
- ⟨3/I⟩ INSTALL TYPE '2' N.D.O.T. ISLAND CURB (R-5.1.1 / NDOT)
- ⟨4/I⟩ INSTALL HANDICAP RAMP CURB DEPRESSION
- ⟨5/I⟩ ADJUST EXISTING FACILITY TO GRADE
- ⟨6/I⟩ VERIFY LOCATION AND ELEVATION OF EX. ROADWAY IMPROVEMENT
- ⟨7/I⟩ INSTALL BUS TURNOUT (234.1 / USD)
- ⟨8/I⟩ INSTALL TYPICAL GUARD RAIL (R-8.1.1 / NDOT)
- ⟨9/I⟩ INSTALL BITUMINOUS SHOULDER DIKE (R-1.4.1 / NDOT)

WATER

- ⟨10/W⟩ INSTALL CAP W/ 2" BLOW-OFF ASSEMBLY (4 / UDS)
- ⟨11/W⟩ INSTALL FIRE HYDRANT ASSEMBLY (7 / UDS)
- ⟨12/W⟩ INSTALL 12" GATE VALVE & BOX (8 / UDS)
- ⟨13/W⟩ INSTALL 6" GATE VALVE & BOX (8 / UDS)
- ⟨14/W⟩ REMOVE CAP & BLOWOFF & CONNECT TO EXISTING WATER LINE (CONTRACTOR TO VERIFY SIZE, INVERT, AND LOCATION OF EXISTING WATER LINE)

SEWER

- ⟨25/S⟩ INSTALL 48" DIA. SEWER MANHOLE (SD-1 / DCSWCS)
- ⟨26/S⟩ INSTALL TEMPORARY PLUG AND CAP
- ⟨27/S⟩ REMOVE PLUG & CONNECT TO EX. SEWER LINE (CONTRACTOR TO VERIFY SIZE, INVERT, AND LOCATION OF EXISTING SEWER LINE) PRIOR TO CONSTRUCTION

STORM DRAIN

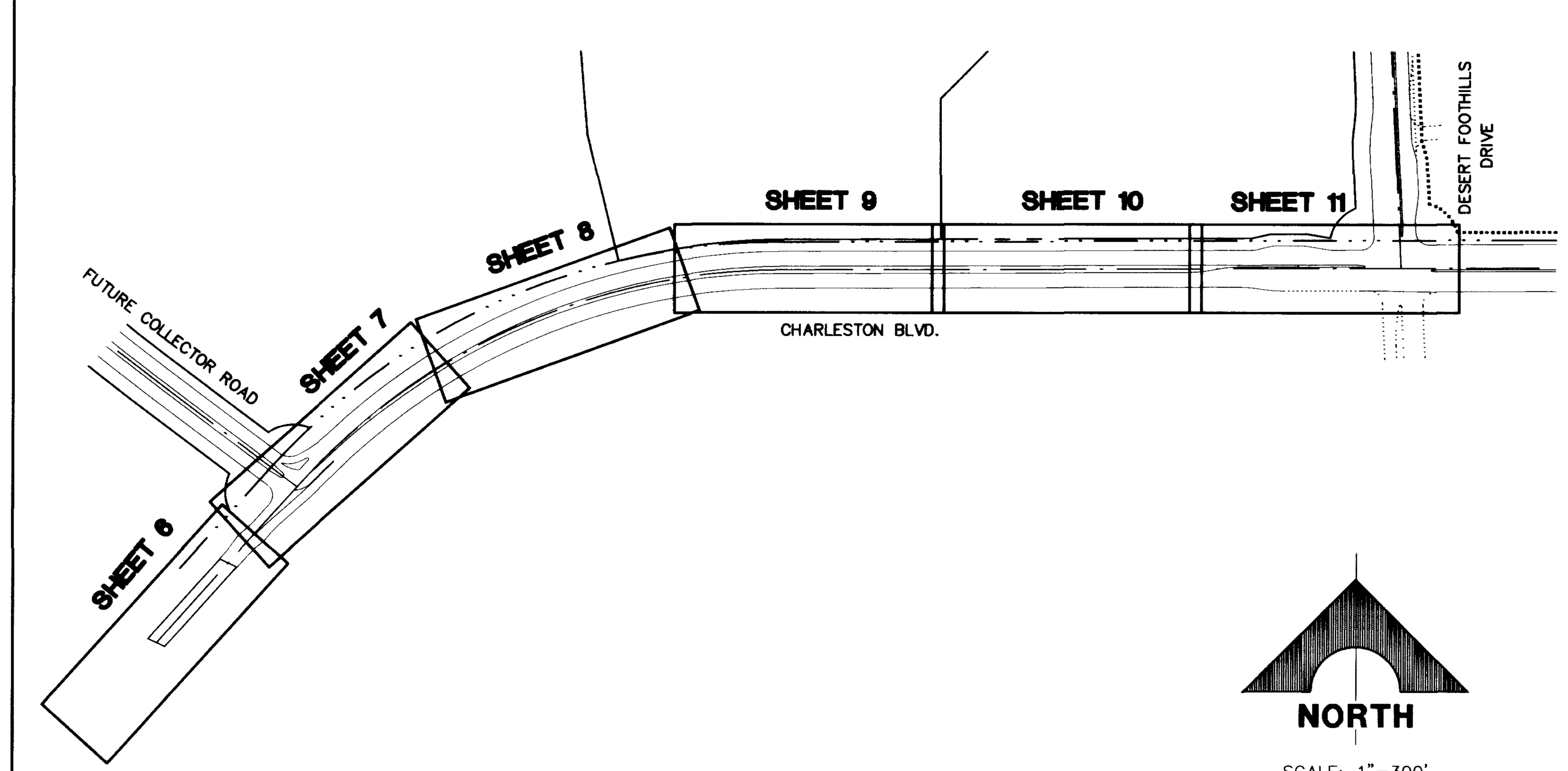
- ⟨30/SD⟩ INSTALL TYPE 3 N.D.O.T. DROP INLET (R-4.3.1 / NDOT)
- ⟨31/SD⟩ INSTALL TYPE 11 N.D.O.T. DROP INLET (R-4.6.2 / NDOT)
- ⟨32/SD⟩ INSTALL TYPE 4 N.D.O.T. STORM DRAIN MANHOLE (R-4.7.2 / NDOT)
- ⟨33/SD⟩ INSTALL TEMPORARY PLUG
- ⟨34/SD⟩ REMOVE PLUG & CONNECT TO EX. STORM DRAIN LINE (CONTRACTOR TO VERIFY SIZE, INVERT, AND LOCATION OF EXISTING STORM DRAIN LINE)
- ⟨35/SD⟩ SPECIAL MANHOLE STRUCTURE DETAIL (1 / 14)
- ⟨36/SD⟩ INSTALL TYPE 2 N.D.O.T. STORM DRAIN MANHOLE (R-4.7.1 / NDOT)

IRRIGATION

- ⟨45/IR⟩ BANK "A"; 1-6" & 2-4" SCH 40 PVC (U-18 / S)
- ⟨46/IR⟩ BANK "B"; 2-4" SCH 40 PVC (U-18 / S)

STREET QUANTITIES (PUBLIC)

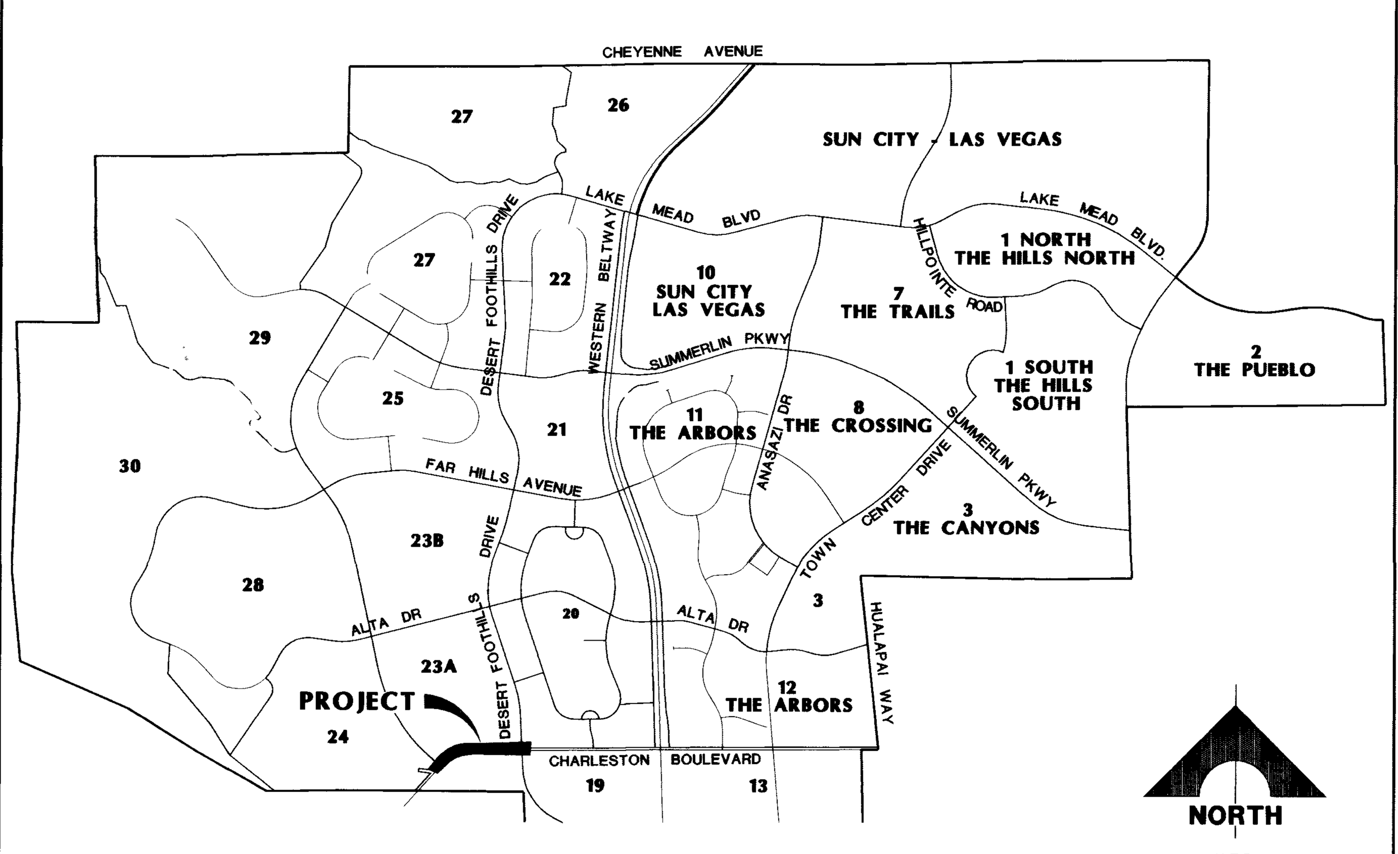
STREETS		
5" A.C. PAVEMENT (PG 76-22NV)	20888	S.Y.
TYPE 1 CLASS B AGGREGATE BASE	8418	C.Y.
NDOT TYPE "5" C & G	5380	L.F.
NDOT TYPE "2" ISLAND CURBS	5450	L.F.
NDOT GUARDRAIL	181	L.F.
NDOT BITUMINOUS SHOULDER DIKE	172	L.F.
REMOVE EXISTING / TEMPORARY PAVEMENT	14625	S.Y.
6" D50 RIPRAP	7	C.Y.
8" D50 RIPRAP	389	C.Y.
CONCRETE SPILLWAY	45	L.F.
STREET LIGHTS		
SINGLE ARM ST. LT.	39	EA.
CONDUIT	5544	L.F.
NO. 3.5 PULLBOX	6	EA.
NO. 5 PULLBOX	5	EA.
P30 PULLBOX	6	EA.
IRRIGATION		
IRRIGATION SLEEVES	361	L.F.
1 1/2" METER W/ RPPA	1	EA.



46735

LOCATION/SHEET INDEX MAP

VICINITY MAP



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4. WATER AND SEWER MASTER PLAN
5. STORM DRAIN MASTER PLAN
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7. CHARLESTON BLVD. PLAN AND PROFILE STA: 773+00 TO 779+00
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19. CHARLESTON BLVD. MASTER CONDUIT AND ELECTRICAL PLAN I
20. CHARLESTON BLVD. MASTER CONDUIT AND ELECTRICAL PLAN II
21. CHARLESTON BLVD. MASTER CONDUIT AND ELECTRICAL PLAN III

STREET CLASSIFICATION

DESERT FOOTHILLS DRIVE:	NEIGHBORHOOD ARTERIAL WITH BIKE LANES
CHARLESTON BLVD:	NEIGHBORHOOD ARTERIAL WITH BIKE LANES
COLLECTOR ROAD:	NEIGHBORHOOD COLLECTOR (LEVEL 1) WITH BIKE LANES

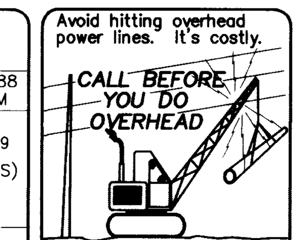
LOCATION

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

BENCHMARK

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)

Avoid hitting overhead power lines. It's costly.



CALL 1-702-593-6111

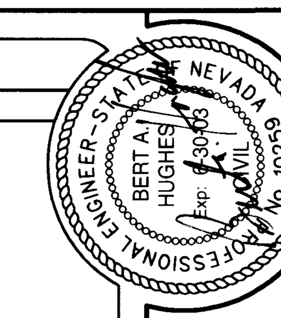
Avoid cutting underground utility lines. It's costly.
Call before you Dig.
1-800-227-2600
UNDERGROUND SERVICE ALERT (USA)

BASIS OF BEARINGS

NORTH 89°45'05" EAST BEING THE SOUTH LINE OF THE SOUTHWEST QUARTER (SW 1/4) OF SECTION 35, TOWNSHIP 20 SOUTH, RANGE 59 EAST, M.D.M., AS SHOWN BY MAP ON FILE IN FILE 91, PAGE 28 OF PARCEL MAPS IN THE CLARK COUNTY RECORDER'S OFFICE, CLARK COUNTY, NEVADA.

APPROVAL:

[signature] 9.13.02
LAS VEGAS VALLEY WATER DISTRICT — DATE



DATE: 9/11/02

REV	DATE	DESCRIPTION	DATE	AGEN. APP.	DATE	GCW. APP.

DESIGN: DFF
DRAWN: SDC
CHECK: GBW
ISSUE DATE:
ISSUE EDITOR:
PLOT DATE: 09-11-02
PLOT TIME: 15:06:16
dfehlig

G.C. WALLACE, INC.
Engineers/Planners/Surveyors
1555 SOUTH RAINBOW BLVD./LAS VEGAS, NEVADA 89146
OFFICE: (702) 804-2000, FAX: (702) 804-2299
SUMMERLIN OFFICE 10000 CHARLESTON BLVD., STE. 130
OFFICE: (702) 804-2160, FAX: (702) 804-2295

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SUMMERLIN
VILLAGE 19/23A CHARLESTON BOULEVARD IMPROVEMENTS
PROJECT DATA SHEET

SHEET
2
2 OF 21 SHTS

JOB NO. 62023.240