

CITY OF LAS VEGAS GENERAL NOTES

- ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE SUMMERLIN IMPROVEMENT STANDARDS AS APPROVED BY THE CITY OF LAS VEGAS, SIGNED BY CLV 7/22/03, "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 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".
- 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 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 INTERFERENCES 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.
- 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.
- ALL CONSTRUCTION SHALL BE AS SHOWN ON THESE PLANS, ANY REVISIONS SHALL HAVE THE PRIOR WRITTEN APPROVAL OF THE CITY ENGINEER.
- 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.
- PERMITS ARE REQUIRED FOR ANY WORK IN THE PUBLIC RIGHT-OF-WAY. THE CONTRACTOR SHALL SECURE ALL PERMITS AND INSPECTIONS REQUIRED FOR THIS CONSTRUCTION.
- EXPANSION JOINTS REQUIRED, MAXIMUM EVERY 300' IN EXTRUDED TYPE CURB.
- AC PAVEMENT TO BE 1/2" ABOVE LIP OF ALL GUTTERS AFTER COMPACTION, EXCEPT AT SIDEWALK RAMPS AND CROSS GUTTERS.
- 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. 5-47.
- SIDEWALK RAMPS SHALL BE CONSTRUCTED AS SHOWN ON PLANS PER SUMMERLIN STD. DRAWING NO. 5-75. EXACT LOCATION OF RAMPS MAY BE ADJUSTED IN THE FIELD BY A CITY INSPECTOR.
- 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.
- 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.
- 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 EXISTING PAVEMENT CONDITION REQUIRES RELOCATION.
- 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.E.S. STATUTE NO. 625.550.
- 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.
- WALL NOTES:
- ALL WALLS, NEW OR EXISTING, ARE ONLY SHOWN ON CIVIL PLANS FOR THE PURPOSE OF REVIEWING GRADING RELATIONSHIPS, FLOOD CONTROL, AND SIGHT DISTANCE AT INTERSECTIONS. NEW WALLS REQUIRE A SEPARATE PERMIT AND INSPECTION BY THE BUILDING DEPARTMENT.
- ASPHALT MIX DESIGN MUST BE SUBMITTED AND APPROVED BY THE CITY ENGINEER PRIOR TO THE PLACEMENT OF ASPHALT WITHIN CITY RIGHT OF WAY.
- 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.
- MATERIALS, HANDLING AND PLACEMENT OF PORTLAND CEMENT CONCRETE SHALL BE IN ACCORDANCE WITH APPLICABLE SECTIONS OF MDT OR THE CLARK COUNTY AREA SPECIFICATIONS (AS APPLICABLE) AND THE PLANS AND DETAILS SHOWN HEREON.

CONSTRUCTION NOTES

- 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.
- 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 824 AND 825 OF THE STANDARD SPECIFICATIONS, THE TRAFFIC CONTROL MANUAL AND APPLICABLE CITY ORDINANCES.
- 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 809 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.
- NOTICE: GRADING AUTHORIZED ONLY AFTER PERMITTEE'S FULL COMPLIANCE WITH FEDERAL ENDANGERED SPECIES ACT.
- 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).
- ALL EXISTING UTILITY CROSSINGS MUST BE VERIFIED PRIOR TO CONSTRUCTION OF ANY MAIN LINES OR LATERALS THAT MAY ADVERSELY AFFECT ANY DISCREPANCIES IN LOCATION AND/OR ELEVATION MUST BE PROVIDED TO THE ENGINEER FOR ACCEPTANCE PRIOR TO CONSTRUCTION.

QUANTITIES (PUBLIC)

24" RCP	249	LF
42" RCP	15	LF
816" RCB	160	LF
1616" ARCH CULVERT	1943	LF
2'-8"x8" RCB	681	LF
48" MH	41	EA
21" STEEL SLEEVE	39	LF
24" STEEL SLEEVE	32	LF
RIPRAP d50=10"	103	CY
GROUTED RIPRAP d50=10"	45	CY
CONCRETE SLURRY CAP	26	LF
EXCAVATION	23,982	CY*
EMBANKMENT	19,370	CY*
DEBRIS BASIN AND CHANNEL EXCAVATION	33,986	CY
RIPRAP d50=9"	1,854	CY
RIPRAP d50=18"	764	CY
12" PVC SEWER	48	LF
CONCRETE ENCASEMENT	28	LF

* EXCAVATION AND EMBANKMENT REPRESENT ROADWAY QUANTITIES ONLY AND DO NOT INCLUDE ANY RCB TRENCH EXCAVATION OR BACKFILL.

LEGEND AND ABBREVIATIONS

3
7
DRAWING NUMBER FOR DETAIL W/ REF. TO THE SHEET WHERE IT IS SHOWN

1/4
INDICATES CONSTRUCTION NOTE

1 OR A
INDICATES HORIZONTAL CURVE DATA

REVISION NUMBER

FUTURE FACILITIES NOT IN THIS CONTRACT (N.I.C.)

EXISTING FEATURES

PROPERTY LINE/LANDSCAPE LINE

CENTERLINE

2975
EXISTING CONTOUR

60.50
TC
EXISTING TOP OF CURB ELEVATION

60.50
TC
FUTURE TOP OF CURB ELEVATION

STUB & PLUG PIPE

CONCRETE ENCASEMENT

PEDESTRIAN POLE

STREET LIGHT (STLT)

TRAFFIC SIGNAL POLE WITH STREET LIGHT

EXISTING FIRE HYDRANT

FIRE HYDRANT

EDGE OF PAVEMENT

3:1 SLOPE UNLESS OTHERWISE NOTED ON PLAN

TOP SLOPE

TOE SLOPE

AC - ASPHALT CONCRETE
AD - ALGEBRAIC DIFFERENCE IN GRADE
BCR - BACK OF CURB
BCR - BEGIN CURB RETURN
BVCE - BEGIN VERTICAL CURVE ELEVATION
BVCS - BEGIN VERTICAL CURVE STATION
CC - CLARK COUNTY
CCSD - CLARK COUNTY FIRE DEPARTMENT
CCSD - CLARK COUNTY SANITATION DISTRICT
CF - CURB FACE
CFS - CURB FEET PER SECOND
CL - CENTERLINE
CLR - CLEAR
CONC. - CONCRETE
DG - DESIGN GRADE AT CENTERLINE
D.I. - DROP INLET
D.I.P. - DUCTILE IRON PIPE
D/L - DAYLIGHT
EOR - END CURB RETURN
EG - EXISTING GRADE
EGL - ENERGY GRADE LINE
ENC - ENCASEMENT
EP - EDGE OF PAVEMENT
ESMT. - EASEMENT
EVCE - END VERTICAL CURVE ELEVATION
EVCS - END VERTICAL CURVE STATION
EX - EXISTING
FG - FINISHED GRADE
FS - FINISHED SURFACE
FH - FIRE HYDRANT
FL - FLOW LINE
FUT. - FUTURE
GB - GRADE BREAK
GV - GATE VALVE
HGL - HYDRAULIC GRADE LINE
INV - INVERT
IRR - IRRIGATION
K - COEFFICIENT OF VERTICAL CURVE
L - LENGTH
LS - LANDSCAPE
LI - LEFT
LVVWD - LAS VEGAS VALLEY WATER DISTRICT
MLCP - MORTAR LINED CEMENT PIPE
MUTCD - MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
NDOT - NEVADA DEPARTMENT OF TRANSPORTATION
N.I.C. - NOT IN THIS CONTRACT

N.T.S. - NOT TO SCALE
PAVMT. - PAVEMENT
PB - PULLBOX
PC - POINT OF CURVATURE
PCC - POINT OF COMPOUND CURVE
PED. - PEDESTRIAN
PL - PROPERTY LINE
PLC - POINT ON CURVE
PRC - POINT OF REVERSE CURVE
PSI - POUNDS PER SQUARE INCH
PT - POINT OF TANGENCY
PVC - POLYVINYL CHLORIDE
PM - POINT OF VERTICAL INTERSECTION
PZ - PRESSURE ZONE
R - RADIUS
RCB - REINFORCED CONCRETE BOX
RCP - REINFORCED CONCRETE PIPE
RED. - REDUCER
REF. - REFERENCE
RG - ROUGH GRADE
RPPA - REDUCED PRESSURE PRINCIPLE ASSEMBLY
RI - RIGHT
R/W - RIGHT-OF-WAY
S - SANITARY SEWER
SD - STORM DRAIN
SDMH - STORM DRAIN MANHOLE
SMH - SANITARY SEWER MANHOLE
STA - STATION
SW - SIDEWALK
T - TANGENT
TB - TOP OF BERM
TC - TOP OF CURB
TMH - TOP OF MANHOLE
TP - TOP OF PIPE
TRANS. - TRANSITION
TS - TRAFFIC SIGNAL POLE
UDS - UNIFORM DESIGN STANDARDS - LAS VEGAS VALLEY WATER DISTRICT
USD - UNIFORM STANDARD DRAWINGS - CLARK COUNTY AREA NEVADA
VC - VERTICAL CURVE
W - WATER
WM - WATER METER
4 PT - ANGLE POINT
Δ - CURVE DELTA

CITY OF LAS VEGAS GRADING NOTES

- 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.
 - 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.
 - 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.
 - THE CONTRACTOR IS WARNED THAT AN EARTHWORK BALANCE WAS NOT NECESSARILY THE INTENT OF THIS PROJECT. ANY ADDITIONAL MATERIAL REQUIRED OR LEFT-OVER MATERIAL FOLLOWING EARTHWORK OPERATIONS BECOMES THE RESPONSIBILITY OF THE CONTRACTOR.
 - 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.
 - 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.
- ALL CUT AND FILL SLOPES SHALL BE PROTECTED UNTIL EFFECTIVE EROSION CONTROL HAS BEEN ESTABLISHED.
 - 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.
 - 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.
 - 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 ITEM AT HIS OWN EXPENSE AND AT THE DIRECTION OF THE CITY ENGINEER. TEMPORARY CONSTRUCTION INCLUDES DITCHES, BERMS, ROAD SIGNS AND BARRICADES, ETC.

LAS VEGAS VALLEY WATER DISTRICT NOTES

LVVWD PROJECT # 24255

- NO WORK SHALL BE UNTIL THE WATER PLANS HAVE BEEN RELEASED FOR CONSTRUCTION BY THE LVVWD. FOLLOWING WATER PLAN APPROVAL, 48 HOUR NOTICE SHALL BE GIVEN TO THE LVVWD COMMUNICATION SUPPORT CENTER (298-7171) PRIOR TO THE START OF CONSTRUCTION. NOTICE MUST BE GIVEN BY 2:00 P.M. THE BUSINESS DAY PRIOR TO A LVVWD INSPECTION. WHEN REQUESTING INSPECTIONS, PLEASE REFER TO THE PROJECT # IDENTIFIED ABOVE.
- ALL WORK SHALL CONFORM TO THE LVVWD'S STANDARD PLATES, DRAWINGS AND SPECIFICATIONS AND THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR WATER DISTRIBUTION SYSTEMS (UDACS), LATEST EDITION.
- ALL WORK, EXCEPT AS MODIFIED BY THESE PLANS OR BY NOTE 2, SHALL BE DONE IN ACCORDANCE WITH THE MOST CURRENT DRAFT OR EDITION OF THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENT, CLARK COUNTY AREA.
- A SINGLE PIPE MATERIAL SHALL BE USED THROUGHOUT THE PROJECT UNLESS OTHERWISE APPROVED BY THE LVVWD.
- ALL SERVICE LATERALS TWO (2) INCHES IN DIAMETER AND SMALLER SHALL BE COPPER TUBING WITH LVVWD APPROVED SERVICE SADDLES.
- ALL WATER METER BOXES SHALL BE LOCATED OUTSIDE OF DRIVEWAY AREAS.
- ALL VALVES SHALL BE LOCATED OUTSIDE OF DRIVEWAY, VALLEY AND CURB GUTTERS.
- THE FOLLOWING REQUIREMENTS MUST BE MET IN THE EVENT A WATER LINE AND SANITARY OR STORM SEWER LINE CROSS:
 - POTABLE WATER SUPPLY QUALITY MATERIAL.
 - ENCASEMENT, WITH FOUR (4) INCH CONCRETE (MINIMUM).
 - SLEEVING WITH POTABLE WATER SUPPLY QUALITY PIPE.

A MINIMUM EIGHTEEN (18) INCH VERTICAL SEPARATION (OUTSIDE TO OUTSIDE) MUST BE MAINTAINED WHEN THE WATER LINE IS INSTALLED OVER THE SANITARY OR STORM SEWER LINE. IF THE VERTICAL SEPARATION CANNOT BE MAINTAINED OR THE WATER LINE MUST BE PLACED UNDER THE SANITARY OR STORM SEWER LINE, THE SANITARY OR STORM SEWER LINE MUST BE CONSTRUCTED WITH ONE OF THE FOLLOWING OR AS SHOWN ON THESE PLANS:

- POTABLE WATER SUPPLY QUALITY MATERIAL.
- ENCASEMENT, WITH FOUR (4) INCH CONCRETE (MINIMUM).
- SLEEVING WITH POTABLE WATER SUPPLY QUALITY PIPE.

EACH PROVISION MUST EXTEND ALONG THE SANITARY OR STORM SEWER, ON EITHER SIDE OF THE MAIN, A MINIMUM 10 FOOT DISTANCE PERPENDICULAR TO THE WATER MAIN EXTERIOR.

- WARNING TAPE SHALL BE REQUIRED OVER ALL MAINS, ALL SIX (6) INCH DIAMETER AND LARGER SERVICE LATERALS, AND ANY SERVICE LATERAL NOT INSTALLED PERPENDICULAR TO THE MAIN IN ACCORDANCE WITH STANDARD PLATE NO. 27.
- ALL WATER FACILITIES SHALL BE FILLED, DISINFECTED, PRESSURE TESTED, FLUSHED, FILLED AND AN ACCEPTABLE WATER SAMPLE OBTAINED, PRIOR TO CONNECTION TO THE LVVWD'S DISTRIBUTION SYSTEM.
- THE CONTRACTOR MUST OBTAIN ALL METERS TWO (2) INCHES AND SMALLER FROM LVVWD CENTRAL STORES. TELEPHONE 298-3152 FORTY-EIGHT (48) HOURS PRIOR TO PICKUP.
- CONSTRUCTION MAY INTERRUPT SERVICE, WITH LVVWD APPROVAL AND PROPER NOTIFICATION, BETWEEN THE HOURS OF 10 PM AND 6 AM, SUNDAY THROUGH THURSDAY. CIRCUMSTANCES MAY REQUIRE TEMPORARY SERVICE FEEDS BE INSTALLED, WITHOUT LVVWD REIMBURSEMENT. ANY TEMPORARY SERVICE FEED MUST HAVE PRIOR LVVWD APPROVAL.
- ALL WATER FACILITY CONSTRUCTION MATERIALS USED MUST BE AS LISTED ON THE LVVWD'S PRE-APPROVED MATERIALS AND MANUFACTURERS LISTING FOR NEW FACILITIES, LATEST REVISION, OR SPECIFICALLY APPROVED ON THESE PLANS.

BENCHMARK

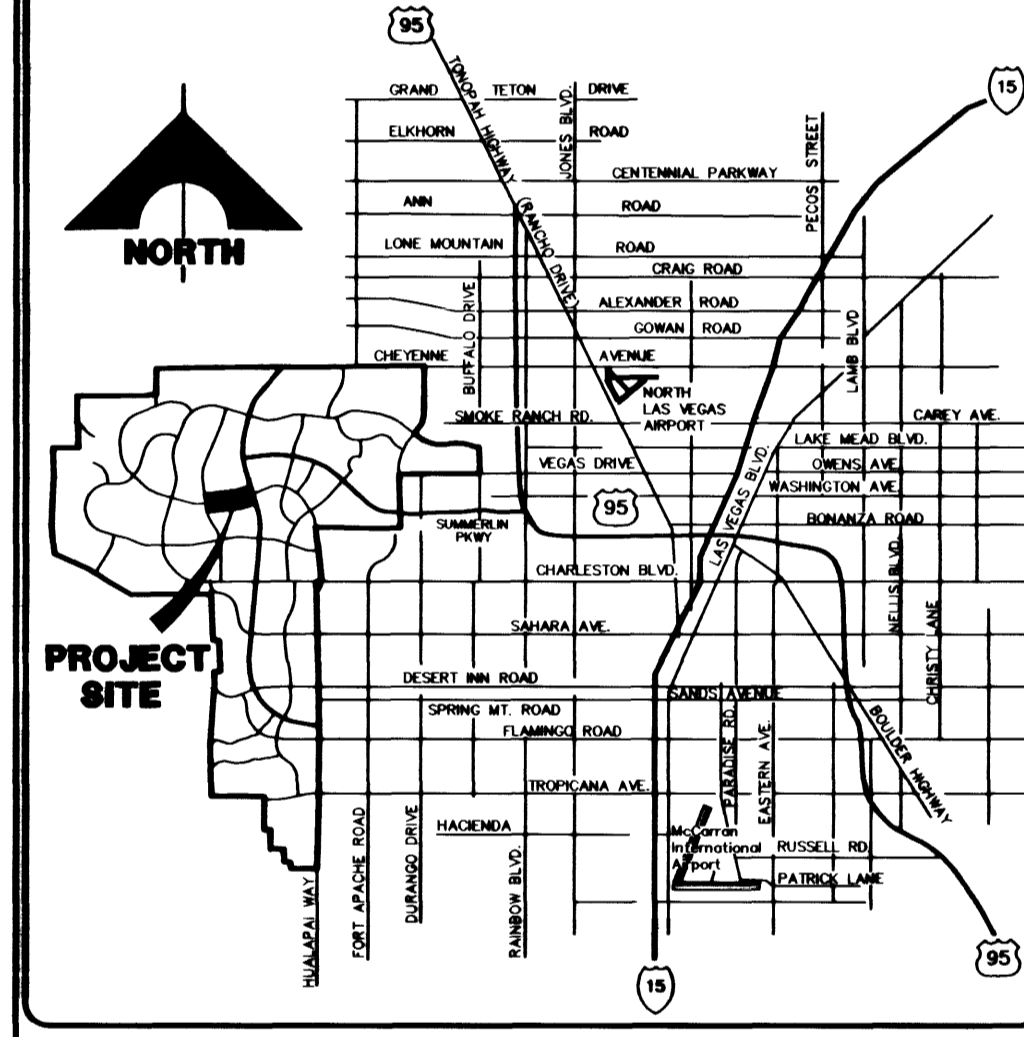
DESC.	NAVD 88 DATUM	NAVD 88 SUMMERLIN DATUM
ROD BRASS CAP, 50 FEET NORTH OF STATION 787+18.42 OF CHARLESTON BOULEVARD. (CLV B.M. NO. 01V09-34528)	3209.81	978.351 3207.61

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

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 50 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.

VICINITY MAP



INDEX OF DRAWINGS

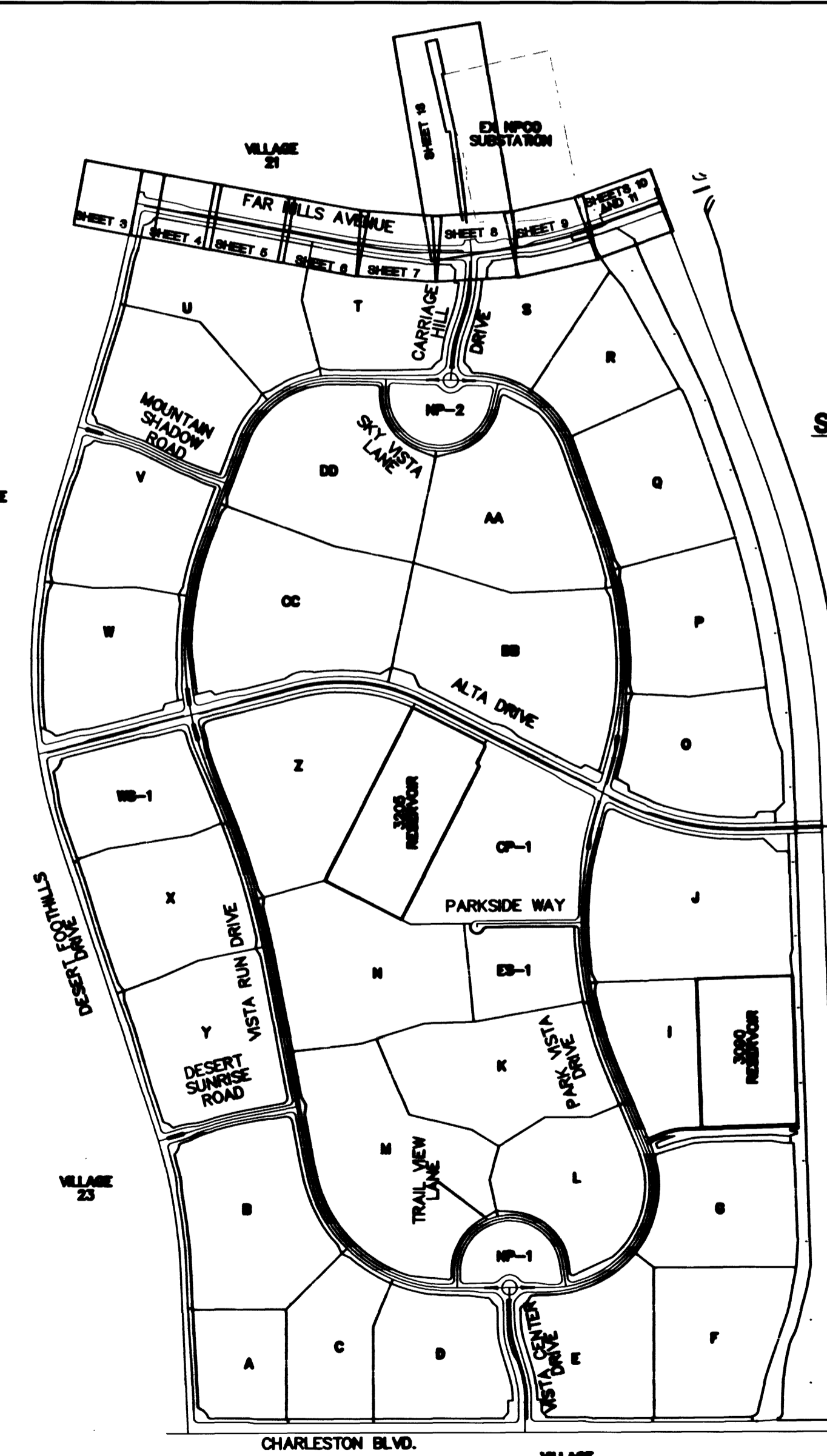
SHT 1.	COVER SHEET
SHT 2.	PROJECT DATA SHEET
SHT 3.	PLAN & PROFILE: FAR HILLS AVE. STA 464+00.33 TO 466+00
SHT 4.	PLAN & PROFILE: FAR HILLS AVE. STA 466+00 TO 470+00
SHT 5.	PLAN & PROFILE: FAR HILLS AVE. STA 470+00 TO 474+00
SHT 6.	PLAN & PROFILE: FAR HILLS AVE. STA 474+00 TO 479+00
SHT 7.	PLAN & PROFILE: FAR HILLS AVE. STA 479+00 TO 484+00
SHT 8.	PLAN & PROFILE: FAR HILLS AVE. STA 484+00 TO 489+00
SHT 9.	PLAN & PROFILE: FAR HILLS AVE. STA 489+00 TO 493+00
SHT 10.	PLAN VIEW: FAR HILLS AVE. STA 493+00 TO 493+32
SHT 11.	PROFILE VIEW: FAR HILLS AVE. STA 493+00 TO 493+32
SHT 12.	MISCELLANEOUS DETAIL SHEET
SHT 13.	DEBRIS BASIN
SHT 14.	HORIZONTAL CONTROL SHEET
SHT 15.	HORIZONTAL CONTROL SHEET
SHT 16.	JUNCTION STRUCTURE DETAIL

LOCATION

LYING WITHIN SECTIONS 26 AND 27, TOWNSHIP 20 SOUTH, RANGE 50 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA.

DEVIATIONS FROM STANDARDS

- NONE



SHEET INDEX MAP



DATE: 06/02/00
 DRAWN: [Signature]
 CHECKED: [Signature]
 ISSUE DATE: 06-02-00
 PLOT DATE: 06-02-00
 PLOT TIME: 11:55:28
 1747 ZION ROAD, SUITE 100, LAS VEGAS, NV 89102
 TEL: 702-799-2000 FAX: 702-799-2289
 WWW.GCWALLACE.COM
 STATE OF NEVADA
 ENGINEER
 G. C. WALLACE, INC.
 ENGINEERING/ARCHITECTURE
 1555 SOUTH RAINBOW BLVD., LAS VEGAS, NEVADA 89146
 LICENSE NO. 10259
 JUNE 02, 2000 ISSUE FOR AGENCY APPROVAL

DESIGN: [Signature]
 DRAWING: [Signature]
 CHECK: [Signature]
 ISSUE DATE: 06-02-00
 PLOT DATE: 06-02-00
 PLOT TIME: 11:55:28
 1747 ZION ROAD, SUITE 100, LAS VEGAS, NV 89102
 TEL: 702-799-2000 FAX: 702-799-2289
 WWW.GCWALLACE.COM
 STATE OF NEVADA
 ENGINEER
 G. C. WALLACE, INC.
 ENGINEERING/ARCHITECTURE
 1555 SOUTH RAINBOW BLVD., LAS VEGAS, NEVADA 89146
 LICENSE NO. 10259
 JUNE 02, 2000 ISSUE FOR AGENCY APPROVAL

SUMMERLIN
 VILLAGE 20/21 FAR HILLS AVE
 DRAINAGE AND GRADING IMPROVEMENTS
 PROJECT DATA SHEET
 SHEET
 2
 2 OF 16 SHEETS
 DATE: 06/02/00

23835 S 25669

107-V-3296