ADJUST VALVE BOXES AND BLOW-OFF TO FINISHED GRADE VALVE SHALL BE ACCESSIBLE AT ALL TIMES

NOTE

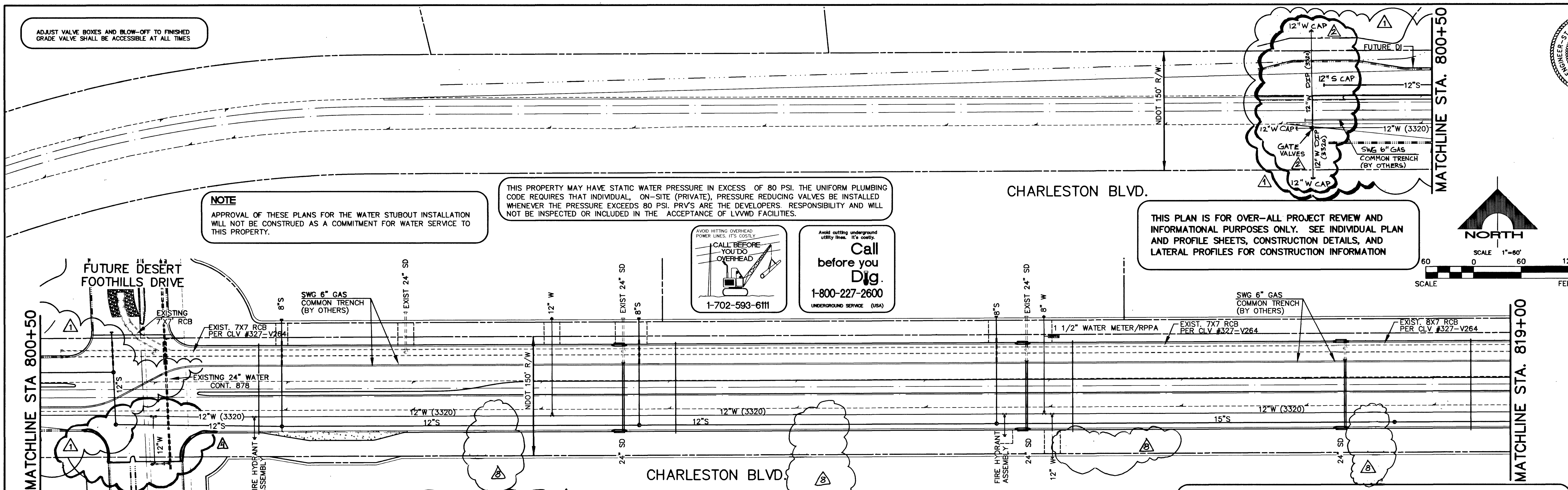
APPROVAL OF THESE PLANS FOR THE WATER STUBOUT INSTALLATION WILL NOT BE CONSTRUED AS A COMMITMENT FOR WATER SERVICE TO THIS PROPERTY.

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 DEVELOPERS. RESPONSIBILITY AND WILL NOT BE INSPECTED OR INCLUDED IN THE ACCEPTANCE OF LVVWD FACILITIES.

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY
CALL BEFORE YOU DO OVERHEAD
1-702-593-6111

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

THIS PLAN IS FOR OVER-ALL PROJECT REVIEW AND INFORMATIONAL PURPOSES ONLY. SEE INDIVIDUAL PLAN AND PROFILE SHEETS, CONSTRUCTION DETAILS, AND LATERAL PROFILES FOR CONSTRUCTION INFORMATION



CONSTRUCTION NOTES

IMPROVEMENTS

- 1 INSTALL "A" TYPE CURB (R-5.1.1 / NDOT) TYPE 2
- 2 INSTALL "L" TYPE CURB & GUTTER (R-5.1.1 / NDOT) TYPE 5
- 3 INSTALL AC PAVEMENT PER SECTION SHEET 18
- 4 CONSTRUCT DEPRESSED CURB (S-75 / S)
- 5 RELOCATION OF OVERHEAD TO UNDERGROUND AND REMOVAL OF WOODEN POLES TO BE PROVIDED BY NPC AND SPRINT REFER TO NPC DESIGN DRAWINGS FOR FURTHER DETAILS
- 5A PROTECT EXISTING POWER POLE IN PLACE
- 6 INSTALL BUS TURN-OUT PER USD #234.1
- 7 INSTALL PIPE CONNECTION TO EX. D.I. COLLAR OR RCB PER DETAIL (1 / 18)
- A REMOVE EXISTING AC PAVEMENT & SUBBASE TO TYPICAL SECTION DEPTH
- B RELOCATE NO TRESPASSING SIGNS PER THHC CONSTRUCTION SUPERINTENDENT

WATER

INSTALL WATER PIPES PER LVVWD UDCS STDS.

- 1/W INSTALL 12" DIA. GATE VALVE & BOX
- 2/W INSTALL 12"X45° ELBOW
- 3/W INSTALL 12"X12" TEE
- 4/W INSTALL 12"X90° ELBOW
- 5/W INSTALL 12"X8" TEE
- 7/W INSTALL 2" BLOW-OFF & CAP
- 8/W INSTALL FIRE HYDRANT ASSEMBLY COMPLETE PER UDACS STANDARD PLATE NO.7
- 10/W INSTALL 8" DIAMETER GATE VALVE & BOX
- 12/W INSTALL 12"X6" TEE
- 13/W INSTALL WATER METER PER PER UDACS PLATE #1D
- 14/W INSTALL RPPA PER UDACS PLATE #11A

SEWER

INSTALL SEWER PIPES PER DCSWCS STD.

- 1/S INSTALL 48" SEWER MANHOLE (SD-1 / DCSWCS)
- 2/S INSTALL 60" SEWER MANHOLE (8 / 25) (SD-1 / DCSWCS)
- 3/S INSTALL 12" PVC CAP
- 4/S INSTALL 10" PVC CAP

NOTE

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

SEWER

INSTALL SEWER PIPES PER DCSWCS STD.

- 8/S INSTALL 48" SEWER MANHOLE W/ LOCKING COVER (SD-1 / DCSWCS) (SD-3 / DCSWCS)
- 9/S INSTALL 60" SEWER MANHOLE W/LOCKING COVER (SD-1 / DCSWCS) (SD-3 / DCSWCS) (8 / 25)
- 5/S INSTALL 8" SEWER CAP
- 6/S DROP MANHOLE (SD-8 / DCSWCS)
- 7/S ODOR CONTROL CHARCOAL FILTER, RING, AND GRATING (SD-4 / DCSWCS)

STORM DRAIN

INSTALL STORM DRAINAGE PER N.D.O.T. STDS.

- 1/SD INSTALL STORM DRAIN MANHOLE, TYPE 2 (R-4.7.1 / NDOT)
- 2/SD INSTALL TYPE 3 DROP INLET (R-4.3.1 / NDOT)
- 3/SD CONST. CONC. COLLAR (4 / 25) (R-4.7.1 / NDOT)
- 4/SD INSTALL STORM DRAIN MANHOLE, TYPE 1 (SHAFT ONLY)
- 5/SD INSTALL TYPE 11 DROP INLET (R-4.6.2 / NDOT) (1 / 25)

STREET LIGHTING - (SEE GC WALLACE ELECTRICAL PLANS)

- 40/SL INSTALL STREET LIGHT
- 41/SL INSTALL NO. 3 1/2 PULL BOX
- 42/SL INSTALL 1 1/4" CONDUIT (2 / 25)
- 43/SL EXISTING STREET LIGHT, CONDUIT, AND CONDUCTOR TO BE RELOCATED AT A 2.5' OFFSET BEHIND NEW BACK OF CURB LINE TO CENTER OF NEW POLE LOCATION.
- 44/SL EXISTING STREET LIGHT TO BE REMOVED (REPLACE WITH NO. 3 1/2 PULLBOX)
- 45/SL INSTALL 2 - 2" CONDUIT (2 / 25)
- 46/SL INSTALL NO. 5 PULLBOX (2 / 25)

TRAFFIC SIGNAL - (SEE GC WALLACE ELECTRICAL PLANS)

- 1/TS INSTALL TYPE XX-A POLE (W/O MAST ARM) 400 WATT LUMINAIRE & TYPE L FOUNDATION PER USD STD. DWGS. NO 404.406 AND NO. 404.209
- 2/TS INSTALL No. 5 PULL BOX (404.120 / UDCSWDS)
- 3/TS INSTALL No. 7 PULL BOX (404.130 / UDCSWDS)
- 4/TS INSTALL 2 - 3" CONDUIT (2 / 25)
- 5/TS INSTALL 2 - 2" CONDUIT (2 / 25)
- 6/TS INSTALL 1 - 3" PVC CONDUIT FOR TRAFFIC SIGNAL INTERCONNECTS (W/1" INNERDUCT) AND PULL BOXES AS IDENTIFIED PER PLAN (500' MAX.) WITH 2' RADIUS SWEEPS INTO PULL BOXES FOR FUTURE FIBER OPTIC.
- 7/TS INSTALL 5 - 3" CONDUIT, (4) FOR TRAFFIC SIGNAL (1) FOR INTERCONNECT (2 / 25)
- 8/TS INSTALL TYPE XX POLE (W/O MAST ARM) 400 WATT LUMINAIRE & TYPE H FOUNDATION PER USD STD. DWGS. NO 404.407 AND NO. 404.208

IRRIGATION

- 1/IR INSTALL BANK "A" IRRIGATION SLEEVE, 1-6" AND 2-4", PVC (6 / 25)
- 2/IR INSTALL BANK "B" IRRIGATION SLEEVE, 2-4", PVC (7 / 25)

NOTES

N.D.O.T. ENCROACHMENT PERMIT REQUIRED

BASIS OF BEARING

NORTH 89°45'05" EAST BEING THE SOUTH LINE OF THE SOUTHWEST QUARTER (SW 1/4) OF SECTION 35, TOWNSHIP 20, 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.

CITY OF LAS VEGAS FIRE DEPARTMENT NOTES

1. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE CITY OF LAS VEGAS FIRE DEPARTMENT'S ORDINANCE # 5115, "HYDRANT SPECIFICATIONS", AND "HYDRANT INSTALLATION SPECIFICATION".
2. AUTHORIZED HYDRANTS FOR THIS PROJECT ARE:
   A. KENNEDY - GUARDIAN models K81A AND K81D
   B. MUELLER SUPER CENTURION 250 MODEL A-423
   C. CLOW - MODEL F-2546LV
   D. TROY VAVLE - PATRIOT MODEL PT8100N NEVADA HYDRANT
3. ON ANY RESIDENTIAL OR COMMERCIAL INSTALLATIONS FIRE HYDRANTS SHALL BE INSTALLED AND FIRE APPARATUS ACCESS ROADS SHALL BE MAINTAINED BEFORE COMMENCEMENT OF ANY COMBUSTIBLE CONSTRUCTION. ALL FIRE HYDRANTS SHALL BE IN GOOD WORKING ORDER AND SHALL BE CAPABLE OF DELIVERING THE REQUIRED FIRE FLOW.
4. TO IDENTIFY THE FIRE HYDRANT LOCATIONS, CONTRACTOR SHALL PLACE A BLUE REFLECTIVE MARKER AT THE CENTER LINE OF STREET ADJACENT TO THE FIRE HYDRANTS AS REQUIRED BY ORDINANCE# 5115.
5. ALL UNDERGROUND INSPECTIONS, PRESSURE AND FLUSH VERIFICATIONS OF ALL FIRE HYDRANTS AND FIRE-LINES, SHALL BE CONDUCTED BEFORE COVERING THE LINES. CALL THE CITY OF LAS VEGAS INSPECTION HOT-LINE AT 229-2071 TO REQUEST AN INSPECTION BY THE CITY OF LAS VEGAS FORE DEPARTMENT.
6. PAINTING OF THE CURBS AND HYDRANTS AND ALL OTHER WORK NECESSARY AS REQUIRED BY ORDINANCE #5115, FOR THE PROTECTION OF FIRE HYDRANTS FROM PHYSICAL DAMAGE, SHALL BE COMPLETED BEFORE APPROVAL BY THE CITY OF LAS VEGAS FIRE DEPARTMENT.
7. A PERMIT IS REQUIRED FROM THE CITY OF LAS VEGAS FIRE DEPARTMENT FOR ON-SITE WATER LINES AND FIRE HYDRANTS. THE PERMIT AND CONTRACTOR'S MATERIAL AND TEST CERTIFICATE FOR UNDERGROUND PIPING FORM SHALL BE OBTAINED FROM THE FIRE PROTECTION ENGINEER BEFORE COMMENCEMENT OF WORK.
8. PRIVATE FIRE HYDRANTS SHALL BE PAINTED RED.
9. PRIOR TO THE FINAL OCCUPANCY, A FLOW TEST MUST BE WITNESSED BY THE CITY OF LAS VEGAS FIRE DEPARTMENT TO VERIFY AVAILABILITY OF THE REQUIRED FIRE FLOW.
10. ALL ON-SITE UNDERGROUND WATER MAINS AND MATERIALS SHALL BE U.L. LISTED, A.W.W.A. APPROVED, AND SHALL BE RATED FOR THE APPROPRIATE WORKING PRESSURE.
11. FIRE HYDRANT SPACING:
    RESIDENTIAL - 500 FEET UNSPRINKLERED; 1000 FEET SPRINKLERED.
    COMMERCIAL- 300 FEET UNSPRINKLERED; 600 FEET SPRINKLERED.
12. WHERE NEW WATER MAINS ARE EXTENDED ALONG STREETS WHERE FIRE HYDRANTS ARE NOT NEEDED FOR PROTECTION OF THE STRUCTURES, FIRE HYDRANTS SHALL BE INSTALLED AT MAXIMUM 1,000 FOOT SPACING, TO PROVIDE FOR TRANSPORTATION HAZARDS.
13. NO FIRE HYDRANTS SHALL BE LOCATED WITHIN THE REQUIRED RADIUS OF A CUL-DE-SAC OR WITHIN TWENTY FEET (20') OF THE PERIMETER OF THE RADIUS OF THE CUL-DE-SAC.
14. NO FIRE HYDRANTS SHALL BE LOCATED WITHIN SIX FEET (6') OF ANY CURB RETURN, DRIVEWAY, POWER POLE, STREET LIGHT OR ANY OTHER OBSTRUCTION.
15. THE MAXIMUM DISTANCE FROM A FIRE HYDRANT TO THE END OF A DEAD-END STREET SHALL NOT EXCEED 200 FEET.
16. THE MAXIMUM DISTANCE FROM A FIRE HYDRANT TO A FIRE DEPARTMENT CONNECTION (FDC) SHALL NOT EXCEED 100 FEET, AS MEASURED BY AN APPROVED ROUTE.
17. TWO SOURCES OF SUPPLY ARE REQUIRED WHENEVER THERE ARE FOUR (4) OR MORE FIRE HYDRANTS/SPRINKER LEAD-INS ARE INSTALLED ON A SINGLE SYSTEM.
18. SECTIONAL CONTROL VALVES SHALL BE INSTALLED SO THAT NO MORE THAN 2 FIRE HYDRANTS CAN BE OUT OF SERVICE DUE TO A BREAK IN A WATER MAIN.
19. ALL FIRE APPARATUS ACCESS ROADS SHALL HAVE AN UNOBSTRUCTED WIDTH OF NOT LESS THAN TWENTY FEET (20') (FLOW LINE TO FLOW LINE), PROVIDED NO PARKING IS ALLOWED ON EITHER SIDE,TWENTY-EIGHT FEET (28') (FLOW LINE TO FLOW LINE), IF PARALLEL PARKING IS ALLOWED ON ONE SIDE ONLY, AND THIRTY-SIX FEET (36') (FLOW LINE TO FLOW LINE) IF PARALLEL PARKING IS ALLOWED ON BOTH SIDES. VERTICAL CLEARANCE SHALL NOT BE LESS THAN THIRTEEN FEET, SIX INCHES (13'6").
20. ALL FIRE APPARATUS ACCESS ROADS SHALL BE PAVED TO PROVIDE ALL-WEATHER DRIVING CAPABILITIES, AND SHALL BE DESIGNED AND MAINTAINED TO SUPPORT THE IMPOSED LOADS OF THE FIRE APPARATUS.
21. THE GRADIENT FOR A FIRE APPARATUS ACCESS ROADS SHALL NOT EXCEED 12% ANGLES OF APPROACH AND ANGLES OF DEPARTURE SHALL NOT EXCEED 6% FOR 25 FEET PRIOR TO OR AFTER THE GRADE CHANGE.
22. THE TURNING RADIUS FOR ANY FIRE APPARATUS ACCESS ROAD SHALL BE NO LESS THAN FIFTY TWO FEET (52') OUTSIDE RADIUS AND TWENTY-EIGHT FEET (28') INSIDE RADIUS.
23. A FIRE APPARATUS ROAD SHALL BE REQUIRED WHEN ANY PORTION OF AN EXTERIOR WALL OF THE FIRST STORY IS LOCATED MORE THAN ONE HUNDRED FIFTY FEET (150') FROM A FIRE DEPARTMENT VEHICLE ACCESS (SEE EXCEPTIONS IN UFC 97, SECTION 902.2).
24. ALL DEAD END FIRE APPARATUS ACCESS ROADS, PUBLIC OR PRIVATE, IN EXCESS OF ONE HUNDRED FIFTY FEET (150') IN LENGTH SHALL BE PROVIDED WITH AN APPROVED TURN AROUND AREA HAVING A MINIMUM DIAMETER OF 81 FEET (BACK OF CURB TO THE BACK OF CURB).
25. ALL FIRE APPARATUS ROADS SHALL BE MARKED BY PLACING APPROVED SIGNS AT THE START OF THE DESIGNATED FIRE LANE, ONE SIGN AT THE END OF THE FIRE LANE AND WITH SIGNS AT INTERVALS OF ONE HUNDRED FEET (100') ALONG ALL DESIGNATED FIRE LANES. SIGNS TO BE PLACED ON BOTH SIDES OF AN ACCESS ROADWAY IF NEEDED TO PREVENT PARKING ON EITHER SIDE. SIGNS TO BE INSTALLED NO HIGHER THAN TEN FEET (10') OR LESS THAN SIX FEET (6') FROM ROADWAY LEVEL. THE CURBS ALONG OR ON THE PAVEMENT OR CEMENT IF CURB IS NOT PROVIDED, SHALL BE PAINTED WITH A RED WEATHER-RESISTANT PAINT IN ADDITION TO THE SIGNS.
26. ELECTRICALLY CONTROLLED ACCESS GATES SHALL BE PROVIDED WITH AN APPROVED EMERGENCY VEHICLE DETECTOR/RECEIVER SYSTEM. SAID SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF LAS VEGAS GUIDELINES FOR AUTOMATIC EMERGENCY VEHICLE ACCESS GATES.

ROADWAY IMPROVEMENTS (PUBLIC)

3/4" OPEN GRADE	42,710 SY
3" AC PAVEMENT	2,840 SY
3" TYPE II BASE	180 CY
6" AC PAVEMENT	43,100 SY
6" SCARIFIED AND RECOMPACTED NATIVE MATERIAL	43,400 SY
TYPE "A" CURBING	6,937 LF
TYPE "L" CURBING	7,039 LF
12" TYPE I BASE	14,064 CY
CURB REMOVAL	457 LF
SIDEWALK REMOVAL	2,672 SF
ASPHALT REMOVAL	18,610 SY
4000 PSI CONCRETE	140 CY

ELECTRICAL QUANTITIES (PUBLIC)

NO. 3 1/2 PULL BOX	17 EA
NO. 5 PUL BOX	9 EA
NO. 7 PULL BOX	19 EA
TRAFFIC SIGNAL POLE	12 EA
STREET LIGHT POLES	53 EA
1 1/4" CONDUIT	8,050 LF
TWO 2" CONDUIT	1,925 LF
TWO 3" CONDUIT	440 LF
INNER-CONNECT CONDUIT	3,710 LF

WATER QUANTITIES (PUBLIC)

6" WATER (DIP)	142 LF
8" WATER (DIP)	254 LF
12" WATER (PVC)	3,630 LF
12" WATER (DIP)	829 LF
8" GATE VALVE	2 EA
12" GATE VALVE	16 EA
2" BLOW OFF ASSEMBLY	12 EA
FIRE HYDRANT	4 EA
IRRIGATION SLEEVES - BANK A	405 LF
IRRIGATION SLEEVES - BANK B	195 LF
12"x6" TEE	4 EA
12"x12" TEE	9 EA
12"x8" TEE	2 EA
12" 90°	2 EA
12" 45°	2 EA
2" WATER METER	1 EA
2" RPPA	1 EA
1 1/2" WATER METER	1 EA
1 1/2" RPPA	1 EA
12" x 12" CROSS	1 EA

SEWER QUANTITIES (PUBLIC)

8" SEWER SDR-35 PVC	405 LF
12" SEWER SDR-35 PVC	1,122 LF
12" SEWER C-900 PVC	212 LF
15" SEWER SDR-35 PVC	4,070 LF
48" MANHOLES	10 EA
60" DEEP MANHOLES W/LOCKING COVER	7 EA
60" DROP MANHOLES W/LOCKING COVER & CHARCOAL FILTER	1 EA

STORM DRAIN QUANTITIES (PUBLIC)

18" CLASS III RCP	123 LF
24" CLASS III RCP	1415 LF
TYPE 3 DI	1 EA
TYPE 11 DI L=12'	10 EA
STORM DRAIN MANHOLE, TYPE 2	7 EA

SEWER NOTES

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS AND THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS' CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA, AS AMENDED. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO BE AWARE OF THE CONTENTS OF THE ABOVE SPECIFICATIONS.
2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PERFORM CONSTRUCTION AS PER PLANS. ANY ADDITIONS, DELETIONS, OR CHANGES SHALL FIRST MEET WITH THE APPROVAL OF THE CITY ENGINEER.
3. CHISEL "S" OR "G" IN CURBS WHERE SEWER OR GAS LATERALS PASS UNDER THE CURB.
4. POLYVINYL (PVC) SEWER PIPE SHALL MEET ASTM D-3034 SDR 35 SPECIFICATIONS AND AWWA C900 SPECIFICATIONS, INSTALLED WITH SAND BEDDING AND BACKFILL OF TYPE II AGGREGATE BASE.
5. ALL MANHOLES IN PAVED STREETS 80' R/W AND LARGER, SHALL HAVE CONCRETE COLLARS. STREETS LESS THAN 80' R/W WILL REQUIRE RETROFIT IF PAVING DOES NOT CONFORM TO CITY STANDARDS AT THE MANHOLE.
6. TEE SADDLES SHALL BE USED TO CONNECT SEWER LATERALS TO EXISTING MAIN LINES UP TO 12" DIA. CONNECTIONS TO 15" OR LARGER MAINS SHALL REQUIRE SPECIAL PROCEDURES. IN LINE "Y"'S SHALL BE USED ON LINES 12" OR ABOVE.
7. WATER MAINS SHALL BE PROTECTED IN ACCORDANCE WITH LVVWD STANDARDS WHENEVER A SEWER MAIN CROSSES OVER A WATER MAIN OR THE SEWER IS LESS THAN EIGHTEEN INCHES (18") UNDER A WATER MAIN.
8. ALL CONTRACTORS INSTALLING SEWER MAINS THAT WILL BE UNDER THE JURISDICTION OF THE CITY OF LAS VEGAS MUST BE STATE OF NEVADA CLASS "A" CONTRACTORS.
9. THE CITY OF LAS VEGAS WILL NOT ACCEPT ANY SEWER MAINS WHICH HAVE A VERTICAL DEFLECTION OF MORE THAN ONE TENTH (0.10) OF A FOOT FROM THE APPROVED CONSTRUCTION PLANS AT ANY LOCATION. SEWER MAINS FOUND TO EXCEED THIS TOLERANCE WILL HAVE TO BE REPAIRED OR REMOVED AND REPLACED TO THE SATISFACTION OF THE CITY ENGINEER PRIOR TO ACCEPTANCE BY THE CITY OF LAS VEGAS.
10. INSTALLATION OF CURVED SEWER REQUIRES SPECIAL CONSTRUCTION PROCEDURES AND INSPECTIONS. CONTACT CITY OF LAS VEGAS CONSTRUCTION SERVICES 24 HOURS PRIOR TO INSTALLATION.

CONDITIONAL APPROVAL OF VALVED OUTLET (6" AND LARGER)

THE WATER PLANS SHOW ONE OR MORE VALVED OUTLETS EXTENDING OUT OF PAVED AREAS. INSTALLATION OF THESE OUTLETS IS ACCEPTABLE, HOWEVER, IF THE OUTLETS ARE INCORRECTLY LOCATED OR NOT USED FOR ANY REASON WHEN THE PROPERTY IS ACTUALLY DEVELOPED, THE DEVELOPER SHALL ABANDON THE OUTLETS AT THE CONNECTION TO THE ACTIVE MAIN IN ACCORDANCE WITH THE DISTRICT'S STANDARDS AND AT THE DEVELOPER'S EXPENSE.

NEVADA DEPARTMENT OF TRANSPORTATION (NDOT) PERMIT REQUIRED

AN APPROVED NDOT OCCUPANCY PERMIT SHALL BE OBTAINED THROUGH THE DISTRICT PRIOR TO ANY CONSTRUCTION WITHIN THE NDOT RIGHT-OF-WAY.

NOTES:

1. APPROVAL OF THESE PLANS FOR THE WATER STUBOUT INSTALLATION WILL NOT BE CONSTRUED AS A COMMITMENT FOR WATER SERVICE TO THIS PROPERTY
2. THE DISTRICT WILL NOT GUARANTEE A WATER-TIGHT SHUTDOWN WHERE CONNECTIONS OR REPAIRS TO EXISTING FACILITIES ARE REQUIRED. THE CONTRACTOR SHALL ENSURE ALL LABOR AND EQUIPMENT IS AVAILABLE AT ALL TIMES TO REMOVE FUGITIVE WATER WHICH IMPEDES THE CONTRACTOR'S PERFORMANCE IS AVAILABLE AT ALL TIMES. CONTRACTOR TO INSTALL TEMPORARY SERVICE TO ENSURE PROPER SHUTDOWN IN THE EVENT NO OTHER APPURTENANCES ARE AVAILABLE.
3. 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 LVVWD FACILITIES.
4. ADJUST VALVE BOXES AND BLOW-OFF TO FINISHED GRADE, VALVE SHALL BE ACCESSIBLE AT ALL TIMES.

BENCHMARK

NDOT BRASS REFERENCE CAP, 50.00 FEET RIGHT OF STATION 787+19.42 OF CHARLESTON BLVD. (NO. OLV09-34SSE6)
*3209.81 NAVD 1988 DATUM (978.351 M)
3207.61 SUMMERLIN DATUM
* THIS PROJECT BASED ON NAVD 1988 DATUM

APPROVED FOR CONSTRUCTION
[signature] 5,30,02
CITY OF LAS VEGAS FIRE DEPARTMENT — DATE

APPROVED FOR CONSTRUCTION
FIRST APPROVAL 10/22/01
[signature] 5/30/02
LAS VEGAS VALLEY WATER DISTRICT — DATE

41546 45190 58301

REV	DATE	DESCRIPTION	DATE AGEN. APP.	DATE GCW. APP.
8	9/5/03	REMOVE W LATERALS & WM/RPPA, REV QUANTITIES	9/18/03	9/5/03
4	9/4/02	REVISE 5" BASE TYPE	10/1/02	9/24/02
3	9/4/02	REVISE SEWER NOTE 2 AND ADD NOTES 8 AND 9.	10/1/02	
2	6-6-02	EXTEND 12"W, ADD 2 12"W LATERALS; MODIFY WATER QUANTITIES	6/4/02	9/18/02
1	5/17/02	MOVE SEWER PIPE & ADD SEWER MANHOLE. RELOCATE SWG GAS TRENCH UPDATE SEWR QUANTITIES	6/4/02	5/29/02

BERT A. HUGHES, CIVIL No. 10259, STATE OF NEVADA, PROFESSIONAL ENGINEER
DATE: 5/28/02

DESIGN:
DRAWN:
CHECK:
ISSUE DATE:
ISSUE EDITOR:
PLOT DATE: 05-20-02
PLOT TIME: 14:32:27
QTrinh

ISSUE DATE: 10/16/01, ISSUE FOR AGENCY APPROVAL

G.C. WALLACE, INC.
Engineering/Architecture
1555 SOUTH RAINBOW BLVD./LAS VEGAS, NEVADA 89146
TELEPHONE: (702) 804-2000 • FAX: (702) 804-2299

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SUMMERLIN

V 19/20 CHARLESTON BOULEVARD IMPROVEMENTS

STATION 787+31 TO STATION 841+02

MASTER UTILITY PLAN

JOB NO. 62020.224

SHEET C-4

80010