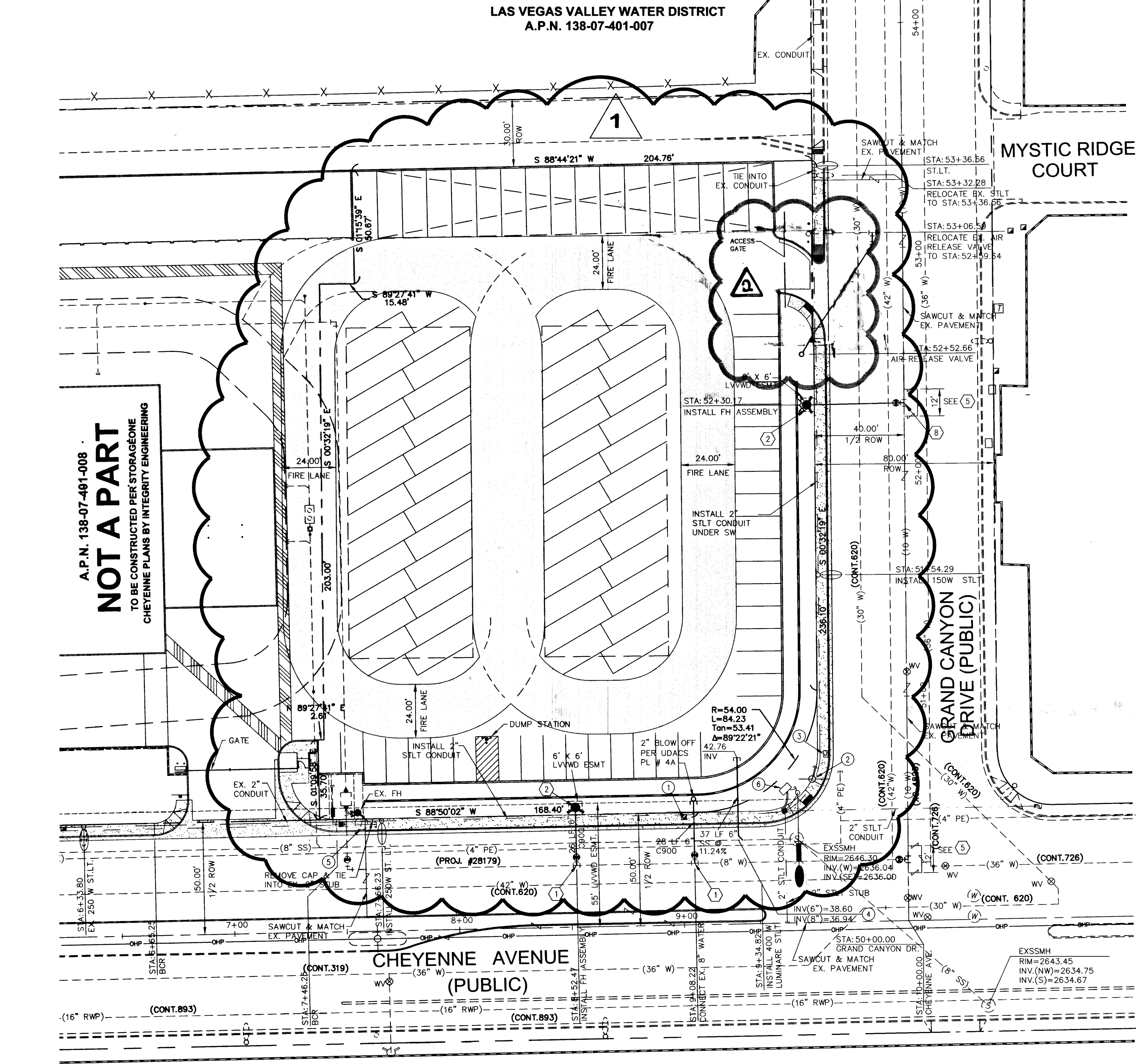
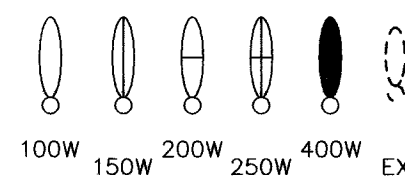




STREET LIGHT LEGEND



FUTURE CLV FIRE FLOW CALCULATIONS

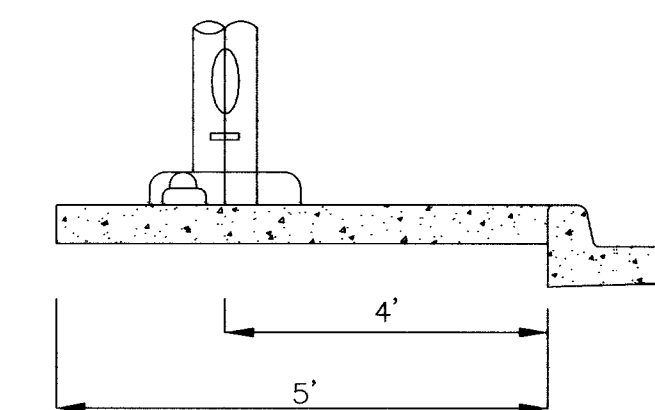
FIRE FLOW REQUIREMENT IS 1,750 GALLONS PER MINUTE AT 20 PSI RESIDUAL PRESSURE

BASED ON

SQUARE FOOTAGE	16,000	SQUARE FEET
LARGEST AREA BETWEEN 4-HOUR AREA SEPARATION WALLS	16,000	SQUARE FEET
BUILDING HEIGHT	37	FEET
NUMBER OF STORIES	2	FLOORS
TYPE OF CONSTRUCTION	VN	
OCCUPANCY	B	

FULL AUTOMATIC FIRE SPRINKLER SYSTEM ☒ YES ☐ NO

REVIEWED BY: LAS VEGAS FIRE DEPT. DATE:



STREET LIGHT NOTE:
ALL HAND HOLE COVERS MUST BE INSTALLED. POLE CAPS POURED, & PULL BOX LIDS BOLTED DOWN PRIOR TO ENERGIZING CIRCUIT. ALL WIRE MUST HAVE THW INSULATION.

STREET LIGHT LOCATION DETAIL

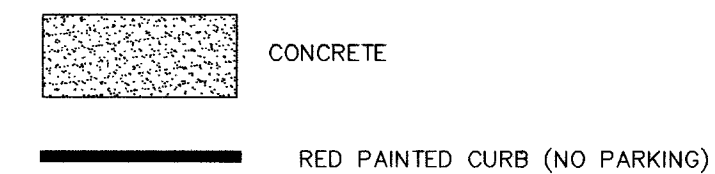
STREET LIGHT NOTES

- 200 AMP. 240V PAD AMOUNT SERVICE WITH:
- 2 2 POLE 60 AMP CIRCUIT BREAKER
 - 0 1 POLE 30 AMP CIRCUIT BREAKER
 - 1 1 POLE 15 AMP CIRCUIT BREAKER
 - 0 1 POLE 60 AMP CIRCUIT BREAKER
 - 0 1 POLE 40 AMP CIRCUIT BREAKER
 - 2 2 POLE 60 AMP CONTACTOR/S
 - 0 2 POLE 30 AMP CONTACTOR/S
 - 1 BY-PASS SWITCH PER CONTACTOR

EASEMENT WITH FENCE OR BLOCK WALL

ANY BLOCK WALL OR OTHER FENCE MATERIAL SHALL BE DESIGNED & CONSTRUCTED AROUND THE OUTSIDE OF THE EASEMENT(S), SO AS TO ALLOW THE DISTRICT'S DIRECT ACCESS FROM THE ADJACENT RIGHT-OF-WAY.

LEGEND



WATER CONSTRUCTION NOTES

- INSTALL 8" X 6" MJ TAPPING TEE W/6" TAPPING VALVE WITH THRUST BLOCKS PER UDACS PL #5
- INSTALL FIRE HYDRANT ASSEMBLY PER UDACS PL #7
- INSTALL 6" X 6" TEE WITH THRUST BLOCKS PER UDACS PL #5
- FUTURE DUAL HEAD SIAMESE FDC ON BUILDING AND FUTURE 6" WATER
- TRENCH AND PATCH AC PAVEMENT (A.C. THICKNESS TO BE 4.5") PER C.C. USD PL #504.1, LIMIT OF PAVEMENT REPLACEMENT TO BE DIRECTED BY CLV INSPECTOR
- NOT USED
- INSTALL 6" 90° BEND WITH THRUST BLOCKS PER UDACS PL #5
- INSTALL 10" X 6" MJ TAPPING TEE W/6" TAPPING VALVE WITH THRUST BLOCKS PER UDACS PL #5

CONSTRUCTION NOTES

- ADJUST EX. CATV BOX TO GRADE
- REMOVE EX. TRAFFIC WOOD POLE
- ADJUST EX. TRAFFIC BOX TO GRADE
- CONTRACTOR TO VERIFY LOCATION AND DEPTH OF EXISTING SEWER
- ADJUST EX. TELEPHONE MANHOLE TO GRADE
- INSTALL 200 AMP. SERVICE PEDESTAL

NOTE: THIS PROJECT PLAN APPROVAL CONTINGENT ON

PROJECT #28179, "StorageOne Cheyenne"

PLAN APPROVAL.

APPROVED FOR CONSTRUCTION

FOR PARKING LOT ONLY

[Signature] 8/2/04
CLV OF LAS VEGAS FIRE DEPARTMENT DATE

APPROVED FOR CONSTRUCTION

1st App'd 12/19/03

[Signature] 8/20/04
LAS VEGAS VALLEY WATER DISTRICT DATE

BENCHMARK

CITY OF LAS VEGAS BENCHMARK 6LV00 18N4, BEING A RIVET & SQUARE ALUMINUM PLATE IN THE TOP OF CURB.

ELEVATION= 2643.67 FEET (805.793 METERS). N.A.V.D. 1988

BASIS OF BEARING

SOUTH 88°50'02" WEST BEING THE BEARING OF THE WEST LINE OF THE SOUTH HALF (S 1/2) OF THE SOUTHEAST QUATER (SE 1/4) OF THE SOUTHWEST QUATER (SE 1/4) OF THE SOUTHWEST QUATER (SW 1/4) OF SECTION 07, TOWNSHIP 20 SOUTH, RANGE 60 EAST, M.D.M., CLARK COUNTY, NEVADA AS SHOWN BY MAP PER BOOK 98, PAGE 77 OF PLATS.

AVOID CUTTING UNDERGROUND UTILITY LINES. IT'S COSTLY.
Call before you dig.
1-800-227-2600
UNDERGROUND SERVICE (USA)

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.
CALL BEFORE YOU CRANE
1-702-227-2929

FUTURE SEWER CONTRIBUTION

* AVE. DAILY - 1.111 GPM
**PEAK DAILY - 3.666 GPM

* AVE. DAILY = 0.10 GALLONS PER SQ. FT. PER DAY

* AVE. DAILY = 16,000 S.F. (0.10 GAL/SQ. FT./DAY) = 1,600 GPD= 1.111 GPM
**PEAK DAILY = 3.3 (AVE.)
3.3 X 1.111 GPM= 3.666 GPM

PIPE MATERIAL CONSTRUCTION LIST

UNLESS OTHERWISE NOTED ON THE PLANS, ALL PIPE MATERIALS USED SHALL BE AS FOLLOWS:

WATER SYSTEM
ALL PIPES GREATER THAN 4" IN DIAMETER SHALL BE CONSTRUCTED USING PVC C-900
ALL PIPES LESS THAN 4" IN DIAMETER SHALL BE CONSTRUCTED USING PVC SCH 40

SEWER SYSTEM
ALL PIPES SHALL BE CONSTRUCTED USING SDR-35

STORM DRAIN SYSTEM
ALL PIPES SHALL BE CONSTRUCTED USING MATERIALS AS NOTED ON PLANS

NOTE

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

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. APPROVAL OF THE VALVED OUTLET DOES NOT PROVIDE OR IMPLY A WATER COMMITMENT.

GRAND CANYON OFFICE
AKA GRAND CANYON RV PARKING

UTILITY AND
STREET LIGHT PLAN

REGISTERED PROFESSIONAL ENGINEER-STATE OF NEVADA
TIMOTEO S. MORENO
Exp. 12-31-05
CIVIL
10361 VOW
8/3/04

SHEET
C5

5 OF 9 SHEETS
DRAWING NO.

107V3950

originals returned