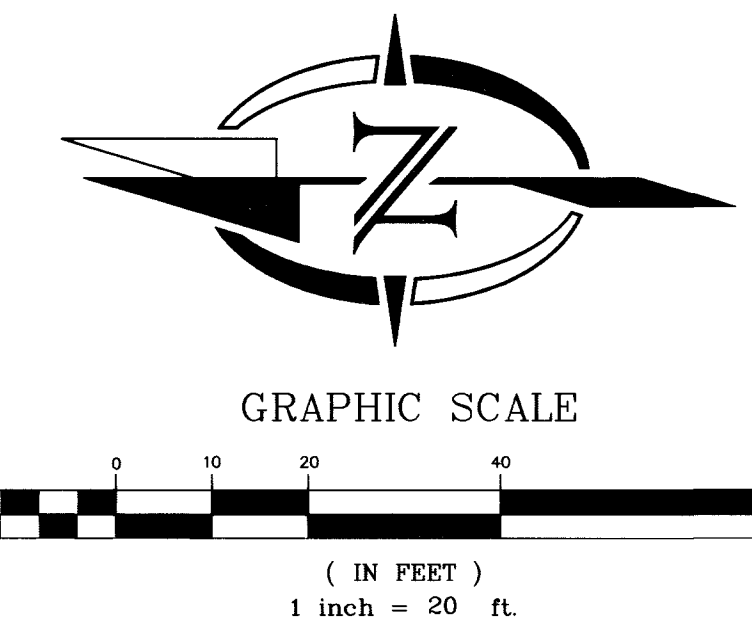
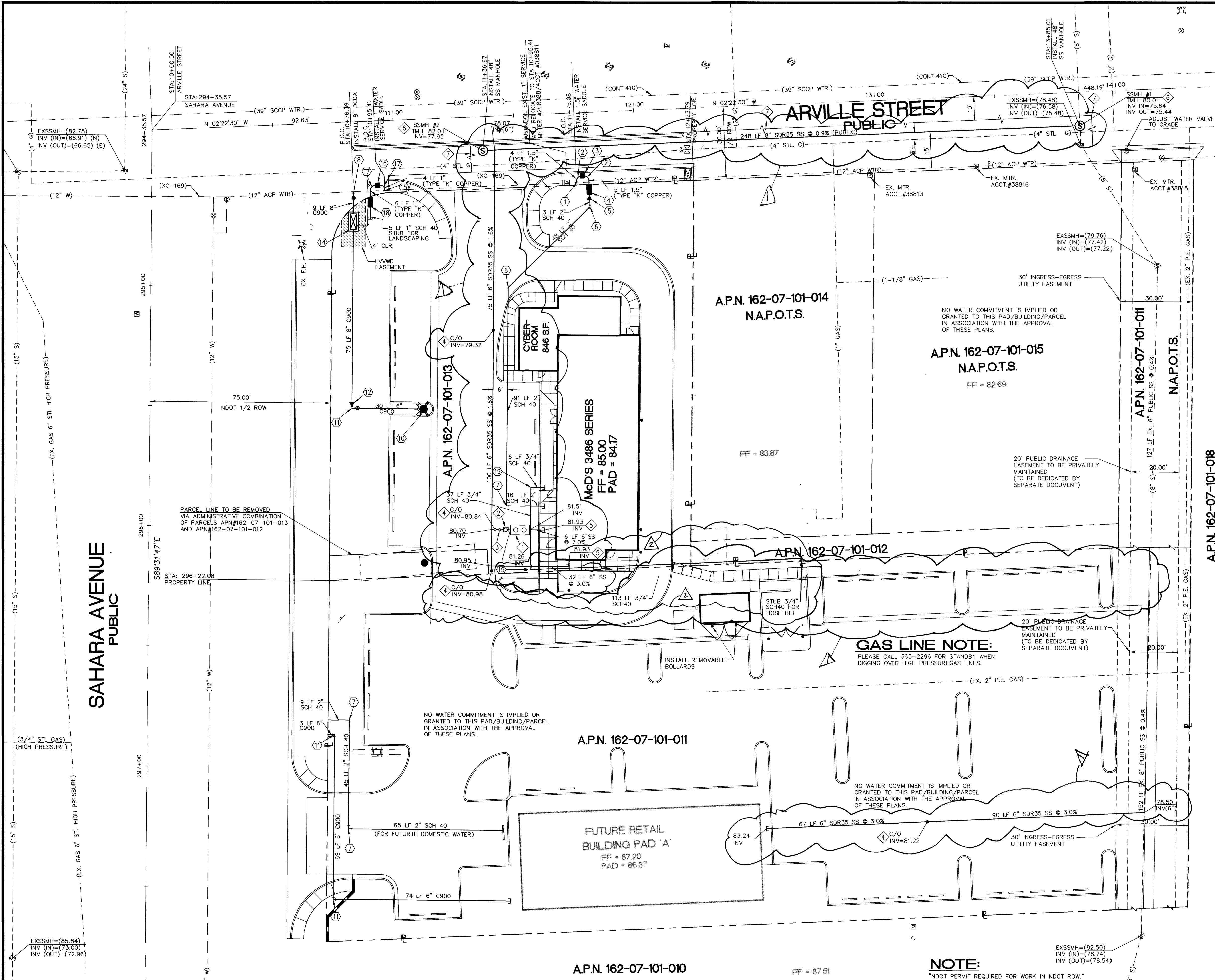




WATER CONSTRUCTION NOTES

- 1. INSTALL 1 1/2" SERVICE SADDLE WITH CORP. STOP PER UDACS PLATE #10
- 2. INSTALL 1 1/2" 90° SWEEP (MIN. RADIUS 24")
- 3. INSTALL 1 1/2" WATER METER PER UDACS PLATE #10
- 4. INSTALL 1 1/2" RPPA PER UDACS PLATE #11A
- 5. INSTALL 1 1/2" X 2" REDUCER PER UDACS PLATE #3
- 6. INSTALL 2" 45° BEND PER UDACS PLATE #5
- 7. INSTALL 2" 90° BEND PER UDACS PLATE #5
- 8. INSTALL 12" X 8" WET TAPPING SLEEVE AND 8" TAPPING VALVE PER UDACS PLATE #22
- 9. INSTALL 8" X 6" TEE WITH THRUST BLOCKS PER UDACS PLATE #5
- 10. INSTALL FIRE HYDRANT ASSY. PER UDACS PLATE #7
- 11. INSTALL 6" 90° BEND WITH THRUST BLOCKS PER UDACS PLATE #5
- 12. INSTALL 8" X 6" REDUCER PER UDACS PLATE #3
- 13. INSTALL CAP FOR FUTURE CONNECTION
- 14. INSTALL 8" DCCD PER UDACS PLATE #20B
- 15. INSTALL 1" WATER SERVICE SADDLE WITH CORP. STOP PER UDACS PLATE #10
- 16. INSTALL 1" IRRIGATION METER PER UDACS PLATE #10
- 17. INSTALL 1" 90° SWEEP (MIN. RADIUS 24")
- 18. INSTALL 1" RPPA PER UDACS PLATE #11A-RELOCATED FROM STATION:10+95.14
- 19. INSTALL 3/4" 90° BEND PER UDACS PLATE #5

ABANDONMENT OF EXISTING SERVICE(S) - 2" AND SMALLER

1" METER #208388/ACCT #038811  
THE CONTRACTOR SHALL NOTIFY THE INSPECTION DIVISION AT THE LVVWD (702-258-3227) 48 HOURS PRIOR TO THE REQUESTED REMOVAL TIME TO ALLOW THE DISTRICT TO TAKE THE FINAL METER READING. THE EXISTING METER(S) SHALL BE REMOVED AND DELIVERED TO THE DISTRICT. THE CONTRACTOR MAY THEN BEGIN REMOVAL PROCEDURES FOR THE AFFECTED SERVICE AS FOLLOWS:  
EXISTING SERVICE LATERALS THAT ARE TO BE ABANDONED FROM THE EXISTING WATER MAIN, SHALL HAVE THE CORPORATION STOP TURNED OFF AT THE MAIN, A MINIMUM OF 12" OF THE LATERAL CUT OUT NEAR THE CORPORATION STOPS AND A BRASS CAP INSTALLED ON THE CORPORATION STOP. IF THE CORPORATION STOP IS DAMAGED BEYOND REPAIR OR PULLED FROM THE EXISTING WATER MAIN, THE MAIN SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE, IN A MANNER APPROVED BY THE LVVWD. IF THE CORPORATION STOP IS NOT WATER TIGHT, THE CONTRACTOR SHALL NOTIFY LVVWD COMMUNICATION SUPPORT CENTER (702-258-7171) FOR FURTHER DIRECTION.  
THE CONTRACTOR SHALL REMOVE THE EXISTING SERVICE METER BOX AND APPURTENANCES. FILL AND GRADE ANY AND ALL RESULTING Voids, AND REPLACE OR RESTORE TO ORIGINAL CONDITIONS OR BETTER, ALL LANDSCAPING, IRRIGATION SYSTEMS, CONCRETE, SIDEWALKS, ASPHALT, OR ANY OTHER ITEMS DAMAGED OR REMOVED DURING THE REMOVAL OF THE EXISTING SERVICE METER BOX.

UTILITY QUANTITIES

| ITEM                           | UNITS | PUBLIC | PRIVATE |
|--------------------------------|-------|--------|---------|
| WATER                          |       |        |         |
| 3/4" SCH 40                    | LF    | 0      | 165     |
| 1" TYPE "K" COPPER             | LF    | 10     | 0       |
| 1" SCH 40                      | LF    | 0      | 5       |
| 1 1/2" TYPE "K" COPPER         | LF    | 9      | 0       |
| 2" SCH 40                      | LF    | 0      | 278     |
| 8" C900 (FIRE)                 | LF    | 9      | 75      |
| 6" C900 (FIRE)                 | LF    | 0      | 176     |
| 1" RPPA                        | EA    | 1      | 0       |
| 1 1/2" WATER METER             | EA    | 1      | 0       |
| 1 1/2" RPPA                    | EA    | 1      | 0       |
| 1 1/2" X 2" REDUCER            | EA    | 0      | 1       |
| 8" X 6" REDUCER                | EA    | 0      | 1       |
| 8" DCCD                        | EA    | 1      | 0       |
| SEWER                          |       |        |         |
| 8" SDR35 SS                    | LF    | 248    | 0       |
| 6" SDR35 SS                    | LF    | 0      | 370     |
| 48" SS MANHOLE                 | EA    | 2      | 0       |
| 6" CLEAN OUT                   | EA    | 0      | 4       |
| 24" JENSEN SAMPLING BOX        | EA    | 0      | 1       |
| 1200 GALLON GREASE INTERCEPTOR | EA    | 0      | 1       |

CLV FIRE FLOW CALCULATIONS

FIRE FLOW REQUIREMENT IS 1750 GALLONS PER MINUTE AT 20 PSI RESIDUAL PRESSURE.  
BASED ON  
SQUARE FOOTAGE: 3960 SQUARE FEET  
LARGEST ARE BETWEEN 4-HOUR AREA SEPARATION WALLS: 3960 SQUARE FEET  
BUILDING HEIGHT: 25 FEET  
NUMBER OF STORIES: 1 FLOORS  
TYPE OF CONSTRUCTION: V-N  
OCCUPANCY: A-3  
FULL AUTOMATIC FIRE SPRINKLER SYSTEM: YES NO  
REVIEWED BY: DATE: 10/31/02

LAS VEGAS VALLEY WATER DISTRICT

SEWER CONSTRUCTION NOTES

- 1. INSTALL 1200 GALLON GREASE INTERCEPTOR PER MECHANICAL PLANS
- 2. INSTALL 24" JENSEN SAMPLING BOX MODEL 2432-Z
- 3. INSTALL 2" VENT PER MECHANICAL PLANS
- 4. CONSTRUCT 6" SEWER CLEAN OUT PER DETAIL ON SHEET C8
- 5. INSTALL 6" X 4" REDUCER (SEE MECHANICAL PLUMBING PLANS FOR CONTINUATION)
- 6. INSTALL 48" SS MANHOLE
- 7. SAWCUT, TRENCH, BACKFILL AND REPAVE PER CCASD #503

REDUCED PRESSURE PRINCIPLE ASSEMBLY (1)-1.5" (1)-1"

APPROVED REDUCED PRESSURE PRINCIPLE ASSEMBLY(S) SHALL BE INSTALLED PER THE UDACS PLATE NO. 11A. NO WATER SHALL BE TAKEN FROM A SERVICE REQUIRING BACKFLOW PREVENTION UNTIL THE REDUCED PRESSURE PRINCIPLE ASSEMBLY HAS BEEN SUCCESSFULLY TESTED BY THE LVVWD.  
ANY BLOCK WALL OR OTHER FENCE MATERIAL SHALL BE DESIGNED & CONSTRUCTED AROUND THE OUTSIDE OF THE EASEMENT(S), SO AS TO ALLOW THE DISTRICT DIRECT ACCESS FROM THE ADJACENT RIGHT-OF-WAY.  
EASEMENTS SHALL BE CLEARLY MARKED OR STAKED PRIOR TO THE START OF CONSTRUCTION.

DISCLAIMER NOTE  
UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.



Call before you Dig  
1-800-227-2600  
UNDERGROUND SERVICE (USA)

McDonald's at SAHARA AND ARVILLE

UTILITY PLAN

McDonald's CORPORATION  
432 NORTH 44TH STREET, STE. 350  
PHOENIX, AZ 85008

2480 E. Tompkins Ave.  
Suite # 202 NV 89121  
Las Vegas, NV  
phone: 702.456.4664  
fax: 702.456.4919

ENGINEER  
W. KEE WATKINS  
Exp 6-30-04  
CIVIL  
10-28-02

SHEET C6  
6 OF 8 SHEETS  
DRAWING NO. 107-V3588

SAHARA AVENUE PUBLIC

ARVILLE STREET PUBLIC

APN 162-07-101-014  
NAP.O.T.S.

APN 162-07-101-015  
NAP.O.T.S.

APN 162-07-101-011

APN 162-07-101-012

APN 162-07-101-010

APN 162-07-101-013

APN 162-07-101-016

WATER CONSTRUCTION NOTES

ABANDONMENT OF EXISTING SERVICE(S) - 2" AND SMALLER

UTILITY QUANTITIES

CLV FIRE FLOW CALCULATIONS

SEWER CONSTRUCTION NOTES

DISCLAIMER NOTE

REDUCED PRESSURE PRINCIPLE ASSEMBLY (1)-1.5" (1)-1"

SEWER CONSTRUCTION NOTES

GRAPHIC SCALE

1 inch = 20 ft

1" = 20'

SCALE: DRAWN BY: TT DESIGNED BY: WLW CHECKED BY: WLW SUBMITTAL DATE: REV. # 17-103

REVISION APPROVAL BLOCK