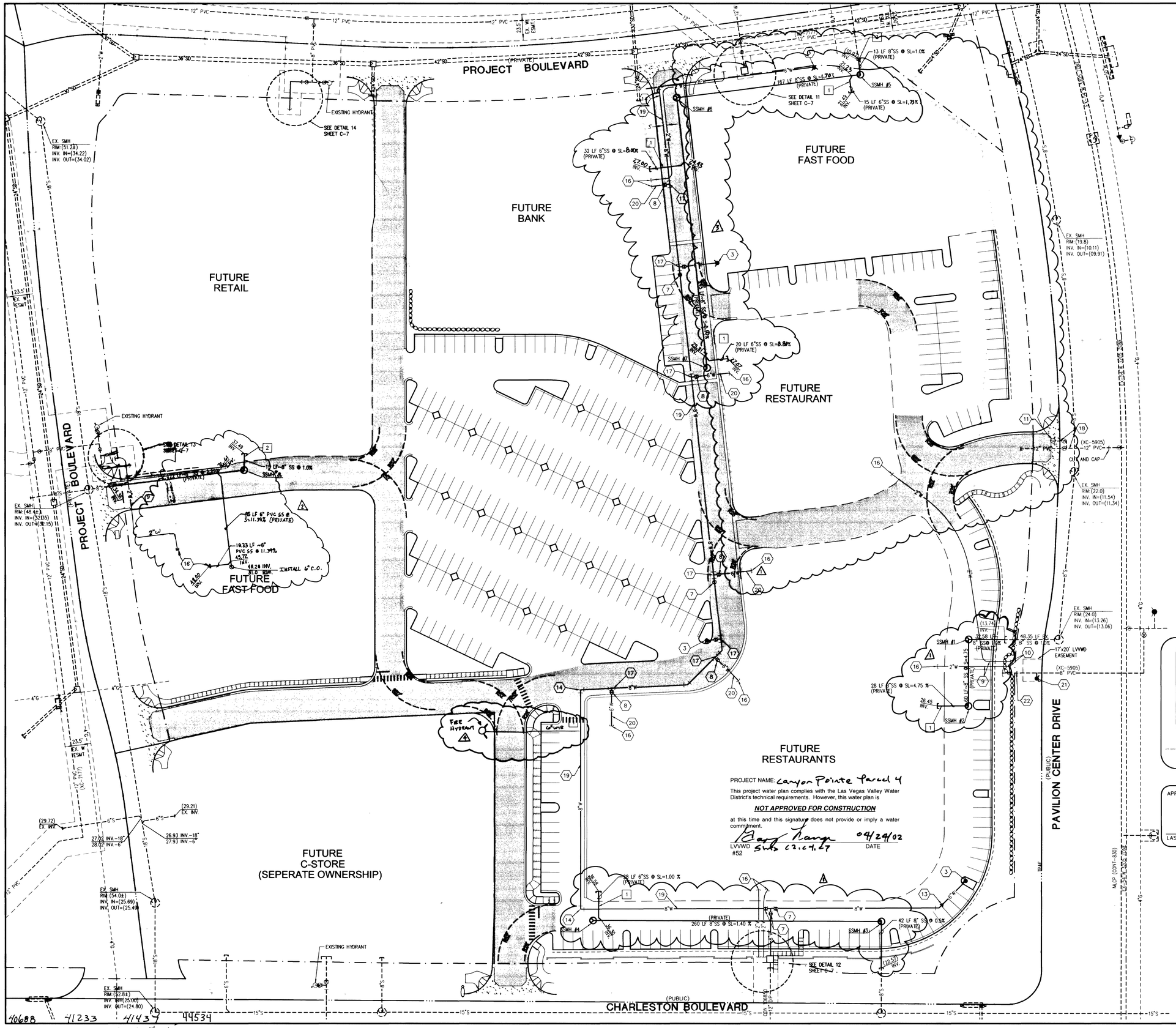

WATER CONSTRUCTION NOTES

1. REMOVE CAP AND BLOW-OFF ASSEMBLY AND CONNECT TO EXISTING WATER.
2. INSTALL 6" FEBCO MODEL 876 DOUBLE CHECK ASSEMBLY PER UDACS PLATE NO. 20B WITH HOT BOX MODEL NO. LB6FEM.
3. INSTALL 6" G.V. AND FIRE HYDRANT ASSEMBLY PER UDACS PLATE NO. 7.
4. INSTALL 2" SERVICE SADDLE AND CORPORATION STOP.
5. INSTALL 1½" RPPA PER UDACS PLATE NO. 11A FOR IRRIGATION.
6. INSTALL 1½" WATER METER PER UDACS PLATE NO. 1D FOR IRRIGATION.
7. INSTALL 8" ISOLATION GATE VALVE.
8. INSTALL 6" ISOLATION GATE VALVE.
9. INSTALL 2" PVC DOMESTIC WATER SERVICE PER LVVWD STANDARDS.
10. INSTALL CAP FOR FUTURE WATER METER CONNECTION.
11. RELOCATE EX. FIRE HYDRANT ASSEMBLY PER UDACS PLATE NO. 7.
12. INSTALL 12" x 6" REDUCER.
13. INSTALL 8" x 6" REDUCER.
14. INSTALL 8" 90° BEND W/ THRUST BLOCK PER UDACS PLATE NO. 5. REMOVE REMAINING 12" WATER LINE.
15. TRANSFORMER PAD
16. INSTALL CAP AND MARK WITH 4"x4" POST PAINTED BLUE FOR FUTURE CONNECTION. PROVIDE 6" ABOVE FG TO TOP OF POST.
17. INSTALL 8"x8"x6" TEE W/ THRUST BLOCK PER UDACS PLATE NO. 5.
18. ABANDON WATER LINE PER NOTE HEREON.
19. INSTALL 8" C-900 PVC WATERLINE PER LVVWD STANDARDS.
20. INSTALL 6" C-900 PVC WATERLINE PER LVVWD STANDARDS.
21. RELOCATED FIRE HYDRANT ASSEMBLY. INSTALL PER UDACS PLATE NO. 7.
22. CUT AND INSTALL CAP W/ THRUST BLOCK PER UDACS PLATE NO. 5.
23. INSTALL 6"x6"x6" TEE W/ THRUST BLOCK PER UDACS PLATE NO. 5.

SANITARY SEWER CONSTRUCTION NOTES

1. INSTALL 6" PVC SEWER LATERAL PER CCSD STD. DWG SD-17 UNDER STORM PIPE AT 1% MIN. SLOPE. CONTRACTOR SHALL PLUG AND MARK END OF LATERAL PER CCSD STD. DWG SD-12 WITH POST PAINTED GREEN.
2. INSTALL 8" PVC SEWER LATERAL PER CCSD STD. DWG SD-17 UNDER STORM PIPE AT 1% MIN. SLOPE. CONTRACTOR SHALL PLUG AND MARK END OF LATERAL PER CCSD STD. DWG SD-12 WITH POST PAINTED GREEN.
3. CONTRACTOR TO FIELD VERIFY DEPTH AND LOCATION OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.

SANITARY SEWER MANHOLE DATA

SSMH #1 (48"ø) TYPE I-8' DROP
RIM: 31.7
IE IN (8"): 22.07
IE OUT (8"): 14.07

SSMH #2 (48"ø) TYPE I
RIM: 32.8
IE IN (8"): 25.12
IE OUT (8"): 24.92

SSMH #3 (48"ø) TYPE I-10' DROP
RIM: 37.7
IE IN (8"): 32.78
IE OUT (8"): 22.78

SSMH #4 (48"ø) TYPE I
RIM: 42.5
IE OUT (8"): 36.42

SSMH #5 (48"ø) TYPE I-10' DROP
RIM: 25.5
IE IN (8"): 21.10
IE OUT (8"): 11.10

SSMH #6 (48"ø) TYPE I
RIM: 31.5
IE IN (8"): 24.14
IE OUT (8"): 23.94

SSMH #7 (48"ø) TYPE I
RIM: 32.2
IE OUT (8"): 23.34

SSMH #8 (48"ø TYPE I)
RIM: 49.5
IE IN (8"): 37.34
IE OUT (8"): 37.14

GENERAL LVVWD CONSTRUCTION NOTES

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

2) INSTALL PIPELINE MARKER BALLS IN TRENCH ABOVE EACH HORIZONTAL ELBOW FITTING, PER MANUFACTURER INSTRUCTIONS.

3) CONTRACTOR SHALL FIELD LOCATE AND PROTECT ALL LVVWD APPURTENANCES. ALL ABOVE GROUND STRUCTURES AND AT GRADE STRUCTURES MUST BE ADJUSTED TO NEW GRADE AT CONTRACTORS EXPENSE. VALVE BOXES TO BE ADJUSTED TO GRADE PER UDACS PLATE NO. 8.

4) RELOCATION OF FIRE HYDRANTS (EXTENSION OF EXISTING LATERAL): THE CONTRACTOR SHALL REMOVE AND RELOCATE BOTH THE UPPER AND LOWER BARRELS OF THE EXISTING FIRE HYDRANT(S) WHERE SHOWN, EXTEND THE EXISTING LATERAL AS REQUIRED, AND REINSTALL SUCH HYDRANT(S) AT THE NEW LOCATION(S) INDICATED. RELOCATIONS WHERE THE LATERAL CANNOT BE EXTENDED SHALL BE TREATED AS NEW INSTALLATIONS.

FIRE LANE

LEGEND:
WITH "FIRE LANE NO PARKING" AND SIGN TYPICAL.

FIRE FLOW CALCULATIONS

FIRE FLOW REQUIREMENT IS: 1,500 GALLONS PER MINUTE AT 20 PSI RESIDUAL PRESSURE.

BASED ON:

SQUARE FOOTAGE:	10,334	SQUARE FEET
LARGEST AREA BETWEEN 4-HOUR AREA SEPARATION WALLS:	10,334	SQUARE FEET
BUILDING HEIGHT:	N/A	FEET
NUMBER OF STORIES:	1	FLOOR
TYPE OF CONSTRUCTION:	V-N	
OCCUPANCY:	COMMERCIAL	
FULL AUTOMATIC FIRE SPRINKLER SYSTEM:	YES	

REVIEWED BY: _____ DATE 4-24-02

APPROVED FOR CONSTRUCTION
LAS VEGAS VALLEY WATER DISTRICT — DATE 4/24/02

APPROVED FOR CONSTRUCTION
CITY OF LAS VEGAS FIRE DEPART. — DATE 4-24-02

ABANDONED VALVE CUT AND CAP NOTE (1) 12"

ALL VALVES TO BE ABANDONED IN THE CLOSED POSITION, UNLESS SHOWN OTHERWISE, BY REMOVING A MINIMUM OF THE TOP 12 INCHES OF THE VALVE BOX AND THEN FILLING THE REMAINING PORTION OF THE VALVE BOX WITH CONCRETE HAVING A COMPRESSIVE STRENGTH OF AT LEAST 2000 PSI.

THE CONTRACTOR SHALL CUT THE EXISTING PIPE WITHIN 3' OF THE ABANDONED VALVE OR WHERE SHOWN ON THE PLANS AND INSTALL A CAP. WHERE A JOINT OR COUPLING IN THE EXISTING PIPE IS UNCOVERED AT THE CUT AND CAP LOCATION, THE INSTALLATION OF A PLUG MAY BE PERMITTED WITH DISTRICT APPROVAL. THE CONTRACTOR SHALL INSTALL A CONCRETE THRUST BLOCK IN ACCORDANCE WITH THE PROVISIONS OF THE "UDACS" PLATE NO. 5 AT ALL CAP AND PLUG LOCATIONS.

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

NORTH
SCALE: 1"=40'

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

STATE OF NEVADA — JERRY L. PLATT — No. 14161 — PROFESSIONAL ENGINEER

REV.	DATE	DESCRIPTION	BY	CHK.	APP.
4	4-24-02	ADD Fire Hydrant			
3	6-6-02	Sewer Revision			
2	5-30-02	Sewer Revision			
1	4-18-02	DRIVEWAY RELOCATION + Sewer Relocation			

DATE: 4-1-02

DESIGN:
DRAWN:
CHECK:
ISSUE DATE:
ISSUE EDITOR:
PLOT DATE: 04-24-02
PLOT TIME: 14:08:01
BBorish

G. C. WALLACE, INC.
Engineers/Planners/Surveyors
1555 SOUTH RAINBOW BLVD./LAS VEGAS, NEVADA 89146
TELEPHONE: (702) 804-2000 • FAX: (702) 804-2399

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CANYON POINTE AT SUMMERLIN CENTRE - PARCEL 4
HOWARD HUGHES CORPORATION
UTILITY PLAN

SHEET
C-4
4 OF 7 SHTS

3074-4689-4

Pgd; Matt

REPLOT