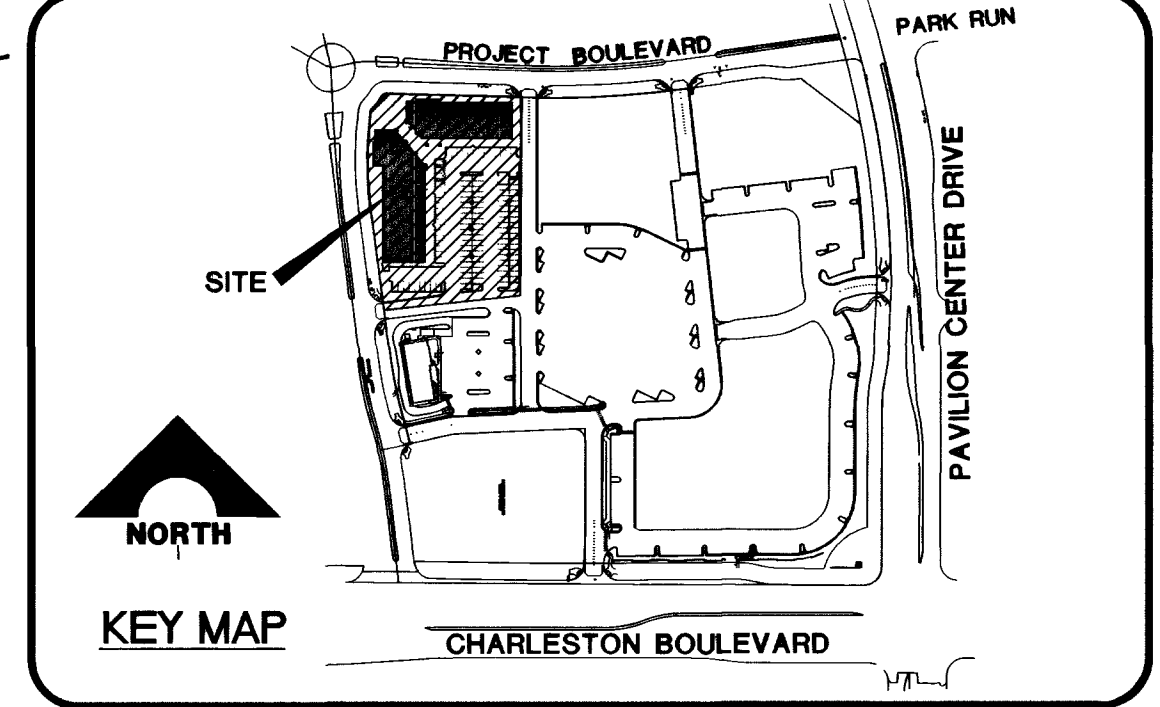
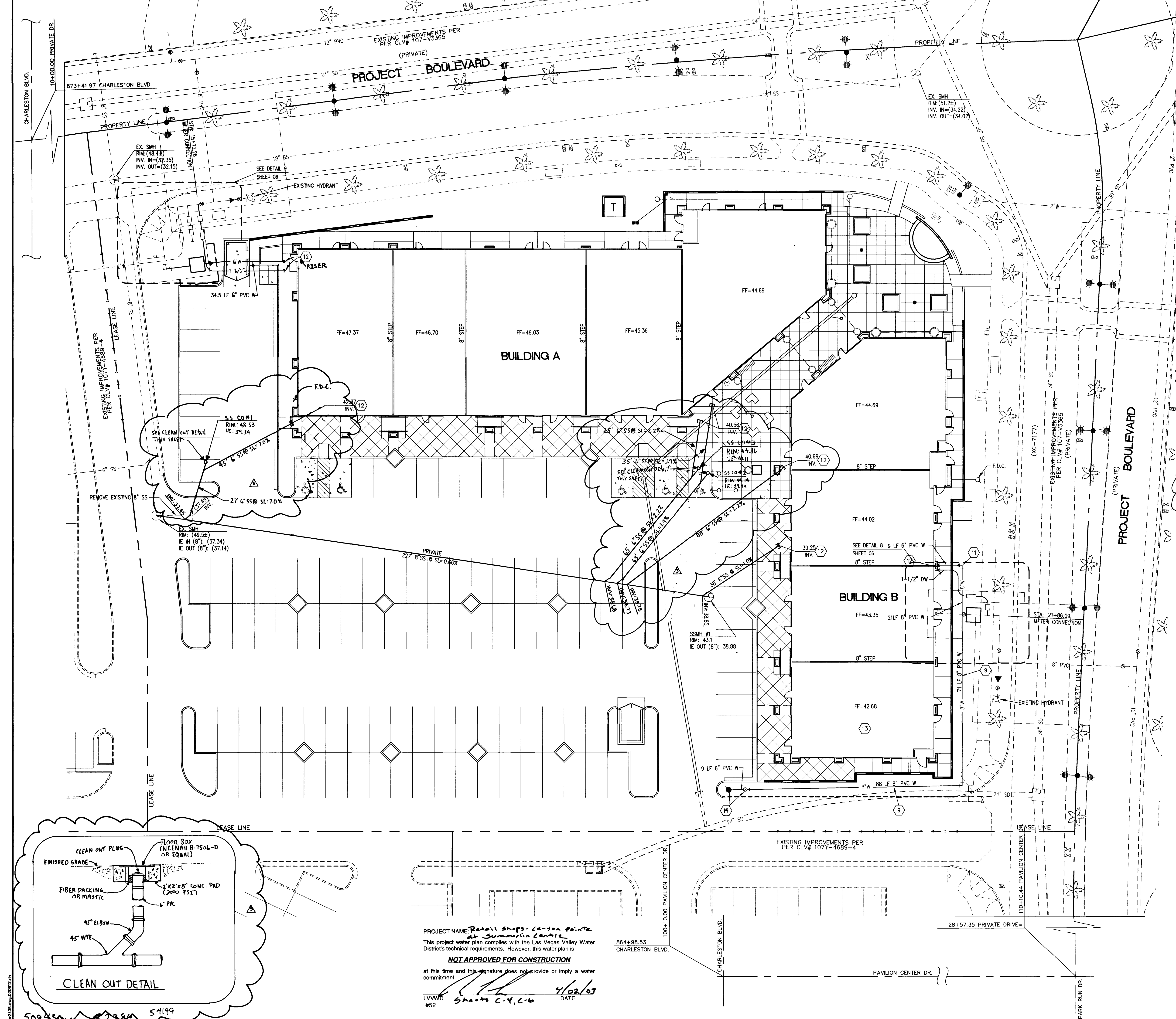




- ### UTILITY CONSTRUCTION NOTES
1. INSTALL 1 1/2" SERVICE SADDLE ON EXISTING 8" PVC WATERLINE.
 2. INSTALL 1 1/2" RPPA AND 1 1/2" DOMESTIC WATER METER PER UDACS PLATE NO. 11A AND 10.
 3. CONTRACTOR TO FIELD VERIFY DEPTH AND LOCATION OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.
 4. REMOVE CAP/BLOWOFF AND CONNECT TO EXISTING WATER
 5. INSTALL 8" FIBRO 876V DOUBLE CHECK ASSEMBLY PER UDACS PLATE NO. 20B WITH HOT BOX MODEL LB8FM.
 6. INSTALL 60 LF 2" DOMESTIC WATERLINE
 7. INSTALL 6" PVC SANITARY SEWER LINE
 8. INSTALL 1-1/2" TYPE K COPPER WATERLINE
 9. INSTALL 8" PVC WATERLINE
 10. INSTALL 41 LF DOMESTIC PVC WATERLINE
 11. INSTALL 8" 90° BEND WITH 6" REDUCER
 12. SEE MECHANICAL AND PLUMBING PLANS FOR CONTINUATION.
 13. INSTALL SEWER BACKWATER VALVE FOR THIS TENANT SPACE.
 14. INSTALL 6" GATE VALVE, 8"x6" REDUCER AND FIRE HYDRANT ASSEMBLY PER UDACS PLATE NO. 7

NOTE TO CONTRACTOR
CONTRACTOR SHALL RESTORE IN KIND AND AT CONTRACTOR'S EXPENSE ANY DISTURBED OR DESTROYED EXISTING SIDEWALK, LANDSCAPING MATERIAL, IRRIGATION SYSTEMS, CURB AND GUTTER, AND INCIDENTAL UTILITIES DISTURBED DURING CONSTRUCTION.

REDUCED PRESSURE PRINCIPLE ASSEMBLY - (2) 1-1/2"
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 LVWD. ANY BLOCK WALL OR OTHER FENCE MATERIAL SHALL BE DESIGNED AND CONSTRUCTED AROUND THE OUTSIDE OF THE EASEMENT(S) TO ALLOW THE DISTRICT DIRECT ACCESS FROM THE ADJACENT RIGHT-OF-WAY.

DOUBLE DETECTOR CHECK - (1) 8" (1) 10"
THE DOUBLE CHECK DETECTOR ASSEMBLY(S) SHALL BE INSTALLED IN ACCORDANCE WITH THE UDACS PLATE NO. 20B. ANY BLOCK WALL OR OTHER FENCE MATERIAL SHALL BE DESIGNED AND 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.

THIS IS A RECORDED COMMERCIAL SUBDIVISION
ALL PROPERTY, THAT IS NOT DIRECTLY UNDER A BUILDING FOOTPRINT,
IS A COMMON UTILITY EASEMENT
FOR SEWER, WATER, FIRE AND ELECTRICAL
REGARDLESS OF ANY, AND ALL, "PROPERTY LINES".

- ### GENERAL LVWD CONSTRUCTION NOTES
1. INSTALL PIPELINE MARKER BALLS IN TRENCH ABOVE EACH HORIZONTAL ELBOW FITTING, PER MANUFACTURER INSTRUCTIONS.
 2. CONTRACTOR SHALL FIELD LOCATE AND PROTECT ALL LVWD 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.

FIRE FLOW CALCULATIONS

FIRE FLOW REQUIREMENT IS:	1,750	GALLONS PER MINUTE AT 20 PSI RESIDUAL PRESSURE.	BUILDING HEIGHT:	N/A	FEET
BASED ON:			NUMBER OF STORES:	1	FLOOR
SQUARE FOOTAGE:	16,088	SQUARE FEET	TYPE OF CONSTRUCTION:	V-N	
LARGEST AREA BETWEEN 4-HOUR AREA SEPARATION WALLS:	16,088	SQUARE FEET	OCCUPANCY:	COMMERCIAL	
			FULL AUTOMATIC FIRE SPRINKLER SYSTEM:	YES	

REVIEWED BY: *[Signature]* DATE: 4/20/03

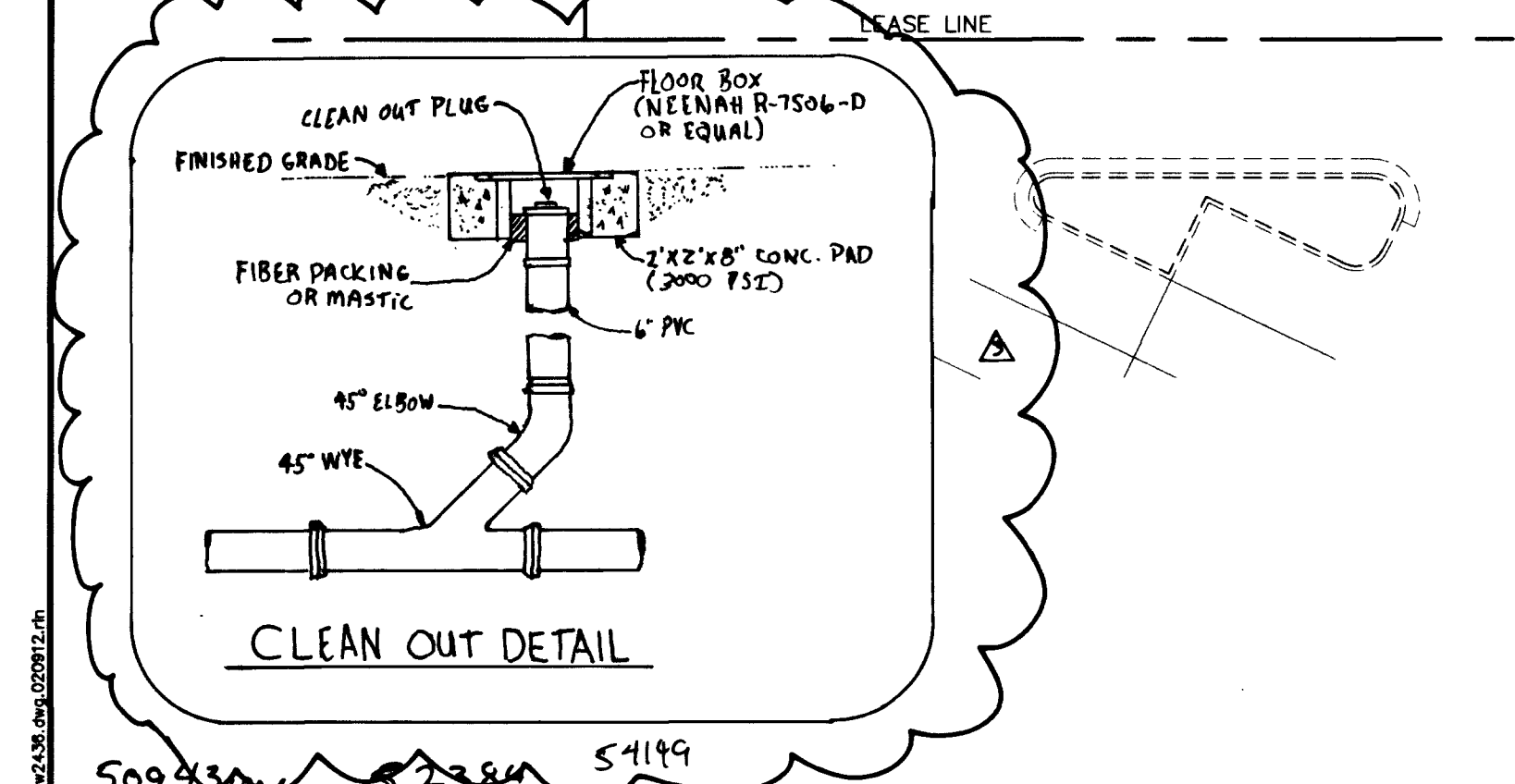
APPROVED FOR CONSTRUCTION
SHEET C-2 & C-4
[Signature]
LAS VEGAS VALLEY WATER DISTRICT
DATE: 6-29-03

APPROVED FOR CONSTRUCTION
[Signature]
CITY OF LAS VEGAS FIRE DEPT.
DATE: 4/20/03

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

Call before you Dig
1-702-593-6111

Scale: 1"=20'
0 20 40



PROJECT NAME: *Retail shops - Canyon Pointe at Summerlin Centre*
This project water plan complies with the Las Vegas Valley Water District's technical requirements. However, this water plan is
NOT APPROVED FOR CONSTRUCTION
at this time and this signature does not provide or imply a water commitment.
LVWD #52 *[Signature]* 4/02/03
SHEETS C-4, C-6

STATE OF NEVADA
ALLEN C. BARRETT
REGISTERED PROFESSIONAL ENGINEER
NO. 10000
DATE: 4/20/03

DESIGN: BIL
DRAWN: BIL
CHECK: BDP
ISSUE DATE:
ISSUE EDITOR:
PLOT DATE: 04-02-03
PLOT TIME: 09:02:32
REVISION: 1
REV. DATE: 4/20/03
REV. DESCRIPTION: 1. 4/20/03 1. 4/20/03 1. 4/20/03

G. C. WALLACE, INC.
Engineers/Planners/Surveyors
1555 SOUTH RAINBOW BLVD., LAS VEGAS, NEVADA 89146
TELEPHONE: (702) 804-2000 • FAX: (702) 804-2259
E: GWallace@GWallace.com

RETAIL SHOPS - CANYON PONTE AT SUMMERLIN CENTRE
TRAD DEVELOPMENT
UTILITY PLAN
SHEET
C-4
4 OF 6 SHEETS