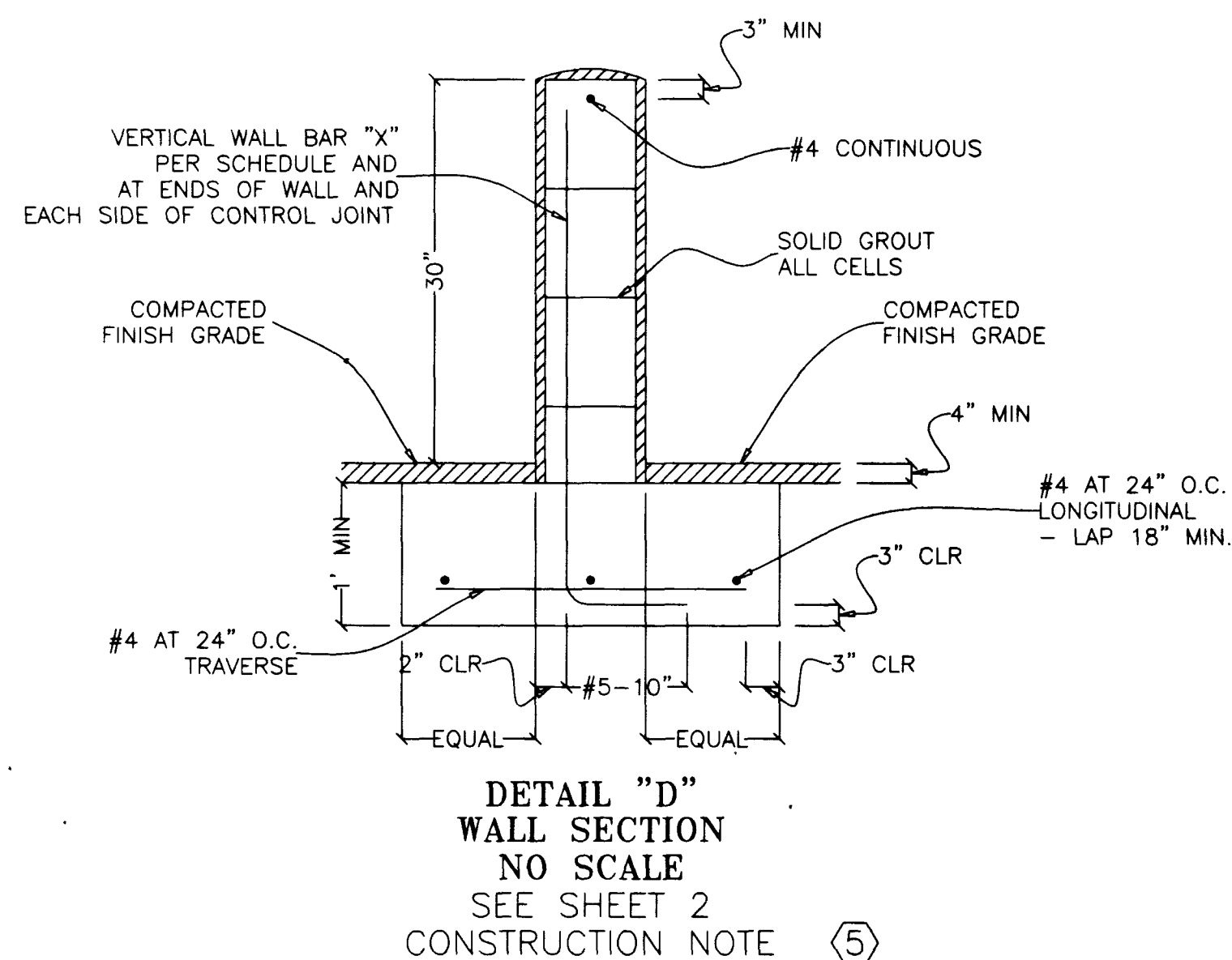
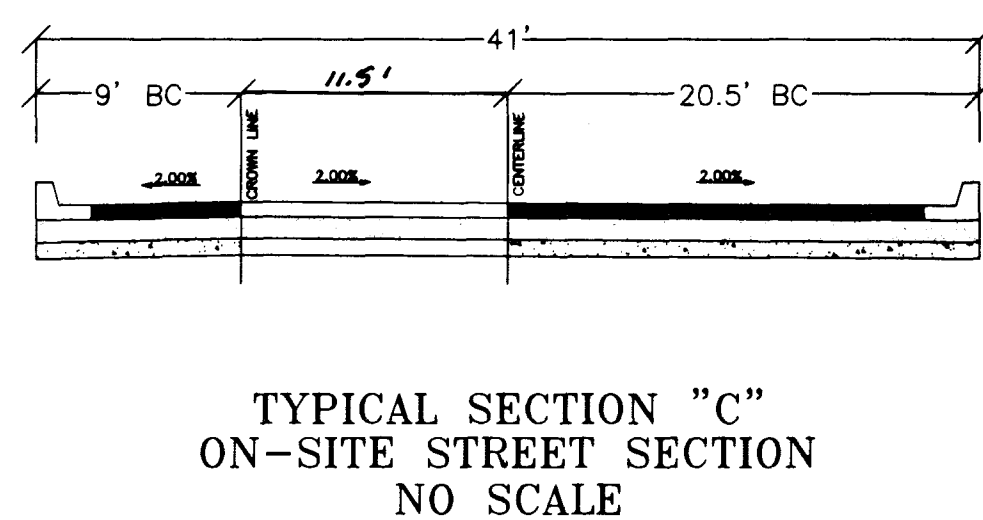
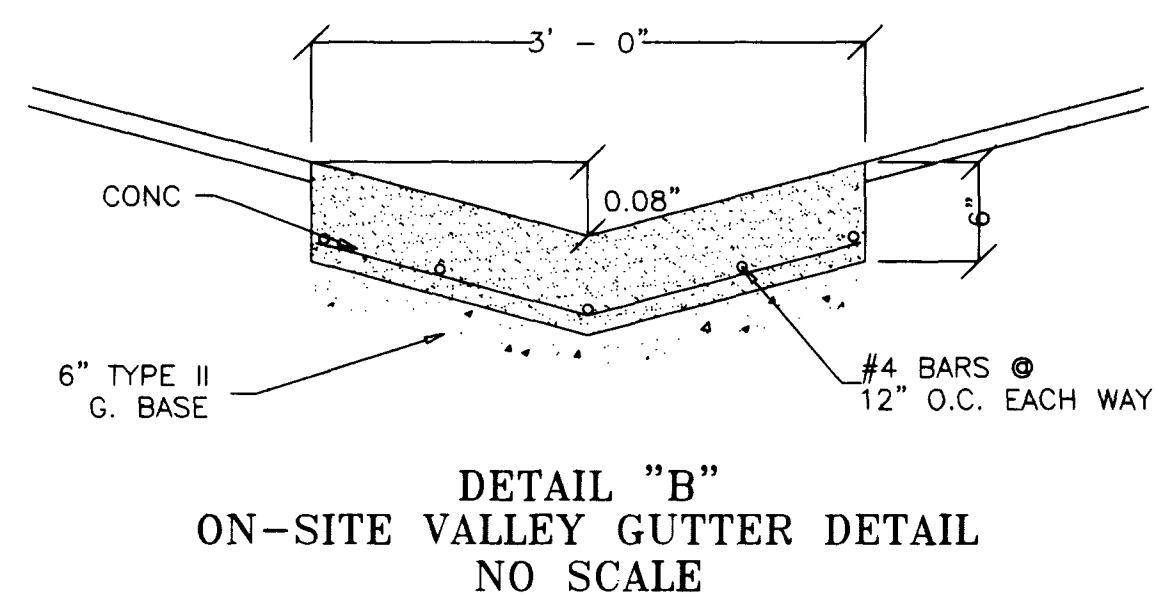




1. All work shall be done in strict accordance with the City of Las Vegas Fire Department "Hydrant Specifications," "Hydrant Installation Specifications" and Ordinance #3944.
2. Authorized hydrants for this project are:
 - A: Kennedy Guardian
 - B: Mueller A-423 Centurian
 - C: Clow Model 2546 Medallion
3. On any new home or building installation, accessible fire hydrants shall be installed before combustible construction commences and said fire hydrants shall be in good working order with adequate water supply.
4. Contractor shall place a blue reflective marker at centerline of street adjacent to fire hydrant as required in Ordinance #3944 to identify fire hydrant locations.
5. Call the Las Vegas Building Department at 229-2071 for underground inspection, pressure and flush verification of all fire hydrants and fire lines before covering.
6. Painting of the curbs and hydrant and any work necessary for protection of hydrants from physical damage per Ordinance #3944 shall be completed before approval by the City of Las Vegas Fire Department.
7. A permit is required from the Fire Department for on-site water line and fire hydrant. The Permit and contractors material and test certificate for underground piping form shall be obtained from the Fire Protection Engineer prior to any work beginning.
8. Private fire hydrants shall be painted red.
9. A flow test must be witnessed by the Fire Department prior to occupancy for verification of required on-site water supply.
10. All on-site fire main materials must be U.L. listed and A.W.W.A. approved.
11. Fire hydrant spacing:
 - Residential - 500 feet unsprinklered, 1,000 feet sprinklered.
 - Commercial, including multi-family - 300 feet unsprinklered, 600 feet sprinklered.
12. Where water mains are extended along streets, where hydrants are not needed for protection of structures, fire hydrants shall be spaced at maximum 1,000 foot spacing to provide for transportation hazards.
13. No fire hydrant shall be located within the required cul-de-sac or within 20 feet of the perimeter of the radius of the cul-de-sac.
14. No fire hydrant shall be located within 6 feet of any curb return, driveway, power pole, street light or any other obstruction.
15. Two sources of supply are required whenever there are 4 or more fire hydrants installed on a single system.
16. Not more than 2 hydrants can be out of service due to a single main break.
17. Fire apparatus access roads shall have an unobstructed width of not less than 20 feet provided no parking is allowed, not less than 28 feet if parallel parking is allowed on both sides. Vertical clearance shall be not less than 13 feet 6 inches.
18. The turning radius for any fire apparatus access road and/or fire lane, public or private shall be not less than 45 feet outside radius and 22 feet inside radius.
19. A fire apparatus road shall be required when any portion of an exterior wall of the first story is located more than 150 feet from a fire department vehicle access. (See exceptions in UFC 94, Section 902.2).
20. All dead end fire apparatus access roads and/or fire lanes public or private in excess of 150 feet in length shall be provided with an approved turnaround area. See Ordinance #3944.
21. Access 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 100 feet 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 10 feet or less than 6 feet from roadway level. The curbs along or on the pavement or cement if curb is not present, shall be painted with a red weather resistant paint in addition to the sign.
22. 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 guideline for Automatic Emergency Vehicle Access Gates.

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 SPECIFICATION BOOKS.
2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PERFORM CONSTRUCTION AS PER PLANS. ANY ADDITIONS, DELETIONS, OR OTHER CHANGES SHALL FIRST MEET WITH THE APPROVAL OF THE CONTROLLING AGENCY.
3. ALL CONTRACTORS INSTALLING SEWER MAINS THAT WILL BE UNDER THE JURISDICTION OF THE CONTROLLING AGENCY MUST BE CLASS "A" CONTRACTORS.
4. CHISEL "S" IN CURBS WHERE SEWER LATERALS PASS UNDER THE CURB.
5. POLYVINYL CHLORIDE (PVC) SEWER PIPE SHALL MEET ASTM D-3034 SDR 35 SPECIFICATIONS.
6. ALL MANHOLES ON PAVED STREETS 80' R/W AND LARGER, SHALL HAVE CONCRETE COLLARS.
7. TEE SADDLES SHALL BE USED TO CONNECT SEWER LATERALS TO EXISTING MAIN LINES UP TO 12" IN DIA. SIZE. CONNECTIONS TO 15" OR LARGER MAINS SHALL REQUIRE SPECIAL PROCEDURES.
8. A SEWER MAIN CROSSING OVER A WATER MAIN OR LESS THAN 18" UNDER A WATER MUST BE REINFORCED CONCRETE ENCASED PIPE FOR A DISTANCE NOT LESS THAN 10 FEET TO EACH SIDE OF THE CENTERLINE OF THE WATER MAIN.
9. THE CITY OF LAS VEGAS WILL NOT EXCEPT ANY SEWER MAINS WHICH HAVE A VERTICAL DEFLECTION OF MORE THAN ONE TENTH (0.10) OF A FOOT FROM THE APPROVED CONSTRUCTION PLANS. 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.

1. No work shall begin until the water plans have been released for construction by the LVVWD. Following water plan approval, 48 hour notice shall be given to the LVVWD Communication Support Center (258-7171) prior to the start of construction. Notice must be given by 2:00 p.m. the business day prior to a LVVWD inspection.
2. All work shall conform to LVVWD Standard Plates, Drawings, and Specifications, and the Uniform Design and Construction Standards for Water Distribution Systems (UDACS), latest edition.
3. All work, except as modified by these plans or by note 2, shall be done in accordance with the most current draft or edition of the Uniform Standard Specifications for the Public Works Construction Offsite improvement, Clark County Area.
4. A single pipe material shall be used throughout the project unless otherwise approved by the LVVWD.
5. All service laterals two (2) inches in diameter and smaller shall be copper tubing with LVVWD approved service saddles.
6. All meter boxes shall be located outside of driveway areas.
7. All valves shall be located outside of driveways, valley and curb gutters.
8. The following requirements must be met in the event of a water line and sanitary or storm sewer line cross.

A minimum eighteen (18) inch vertical separation (outside to outside) must be maintained when the water line is installed over the sanitary or storm sewer line. If the vertical separation cannot be maintained or the water line must be placed under the sanitary or storm sewer line, the sanitary or storm sewer line must be constructed with one of the following or, as shown on these plans:

- Potable water supply material,
- Encasement, with four (4) inch concrete (minimum)
- Sleeving with potable water supply quality pipe.

Each provision must extend along the sanitary or storm sewer, on either side of the main, a minimum 10 foot distance perpendicular to the water main exterior.

9. Warning tape shall be required over all mains, all six (6) inch diameter and larger service laterals, and any service lateral not installed perpendicular to the main in accordance with Standard Plate No. 27.

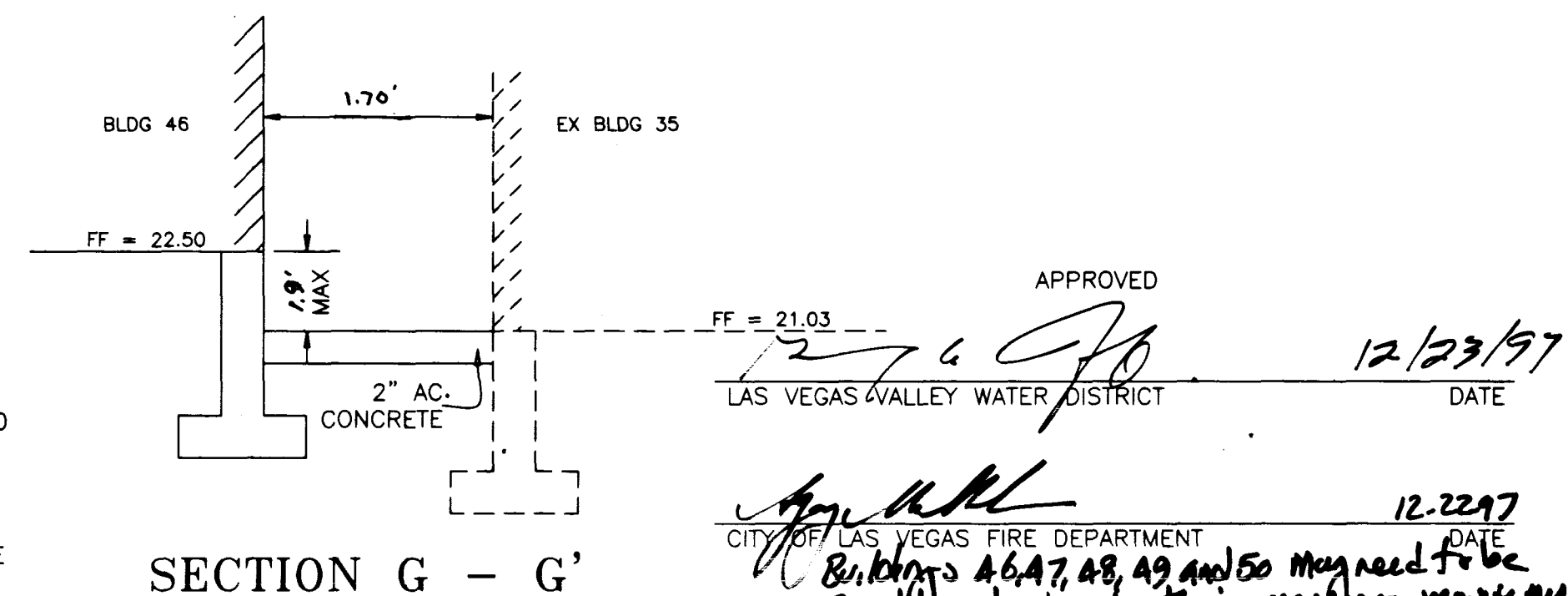
10. All water facilities shall be filled, disinfected, pressure tested, flushed, filled and an acceptable water sample obtained, prior to connection to the LVWD's distribution system.

11. The contractor must obtain all meters two (2) inches and smaller from LVWD Central Stores. Telephone 258-3152 forty-eight (48) hours prior to pickup.

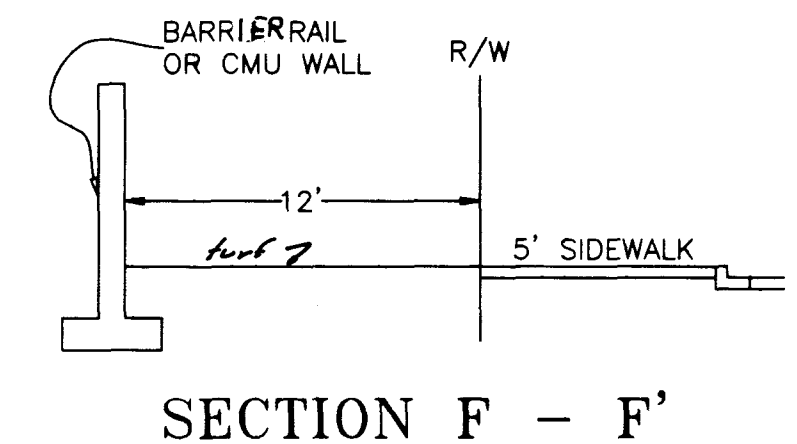
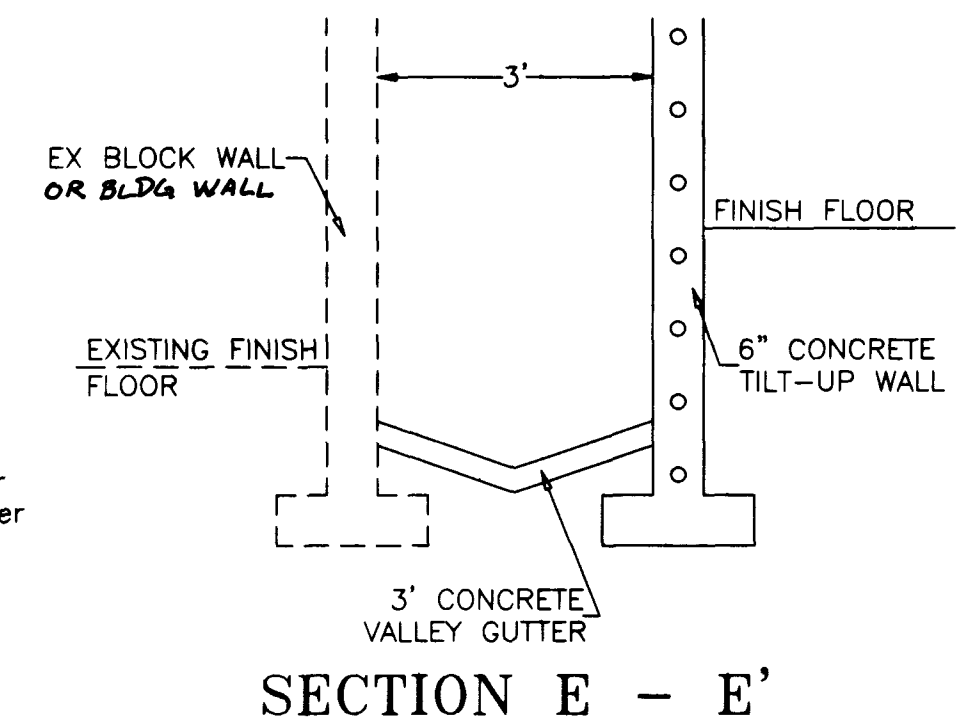
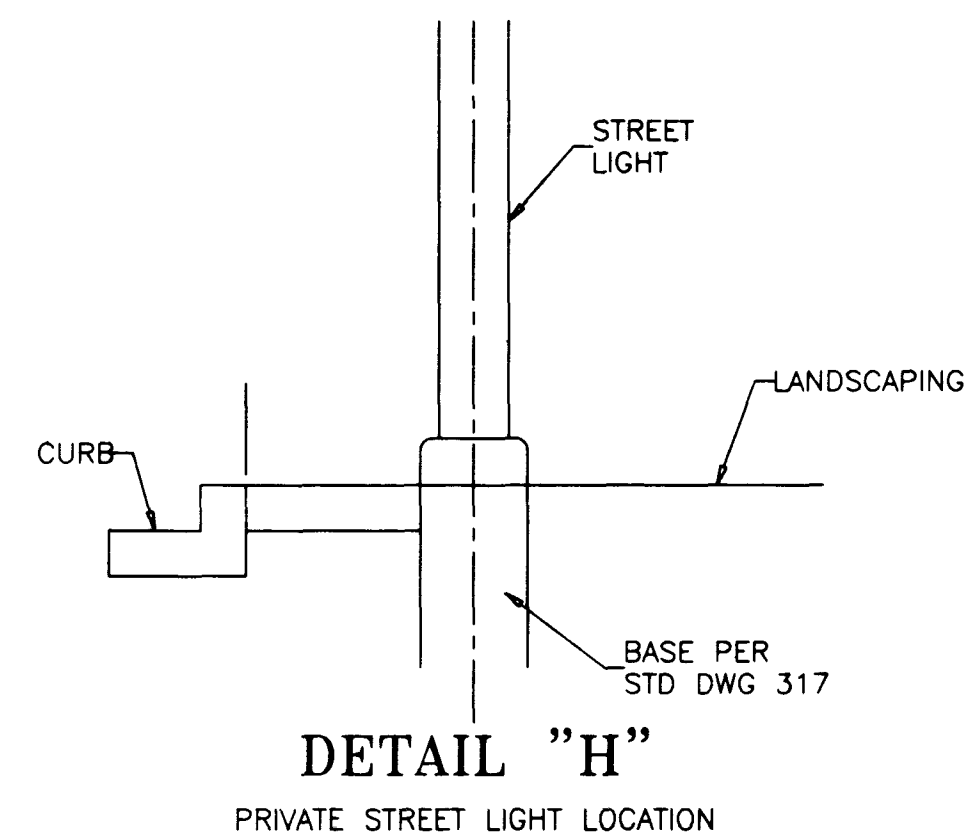
12. Construction may interrupt service, with LVWD approval and proper notification, between the hours of 10 PM and 6 AM, Sunday through Thursday. Circumstances may require temporary service feeds be installed, without LVWD reimbursement. Any temporary service feed must have prior LVWD approval.

13. All water facility construction materials used must be as listed on the LVWWD's Pre-approved Materials and Manufacturers Listing for New Facilities, latest revision, or specifically approved on these plans.

BUILDING NUMBER	45	46	47	48	49	50
BUILDING AREA	38,800 SF	4,760 SF	6,090 SF	6,420 SF	6,540 SF	6,415 SF
BUILDING HEIGHT	UNDER 35 FT	UNDER 35 FT	UNDER 35 FT	UNDER 35 FT	UNDER 35 FT	UNDER 35 FT
NUMBER OF STORIES	1	1	1	1	1	1
TYPE OF CONSTRUCTION	V – N	V – N	V – N	V – N	V – N	V – N
FIRE SPRINKLERS	YES	NO	NO	NO	NO	NO
PRELIMINARY FIRE FLOW	5,250 GPM	1,750 GPM	2,250 GPM	2,250 GPM	2,250 GPM	2,250 GPM
CREDIT FOR SPRINKLERS	2625 GPM	–	–	–	–	–
FINAL FIRE FLOW	2625 GPM	1,750 GPM	2,250 GPM	2,250 GPM	2,250 GPM	2,250 GPM



12-2297
CITY OF LAS VEGAS FIRE DEPARTMENT DATE
Buildings 46, 47, 48, 49 and 50 may need to be
sprinklered due to their occupancy requirements.
Additional fire hydrants might need to be provided.



NO.	DATE	BY	REVISION	APPROVAL



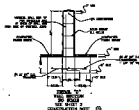
AZIMUTH
ENGINEERING & SURVEYING INC.
16 W. PACIFIC AVE. SUITE 11
HENDERSON, NEVADA 89015
(702) 564-8544

THE SPECTRUM OF LAS VEGAS
PHASE - X
NOTES & DETAILS

	JOB NO:	97-030
	DRAWN:	J.A.S.
	DATE:	18 DEC 97
	CHECKED:	G.H.B.

OF 7 SHEETS

107 Y-4042-10



NOT RECORDED IN THE DEPARTMENT FILES

- [illegible]

code or use other means to identify others, with

1. IS CONSENTING TO AN INTERVIEW WITH YOU AS A CONSENTING TO THE AGENT INTERVIEWING YOU? IF YES, PLEASE PROVIDE A BRIEF EXPLANATION OF THE BASIS OF YOUR CONSENT. IF NO, PLEASE PROVIDE A BRIEF EXPLANATION OF THE BASIS OF YOUR REFUSAL.
2. WOULD YOU BE WILLING TO PROVIDE A STATEMENT TO THE AGENT INTERVIEWING YOU? IF YES, PLEASE PROVIDE A BRIEF EXPLANATION OF THE BASIS OF YOUR WILLINGNESS. IF NO, PLEASE PROVIDE A BRIEF EXPLANATION OF THE BASIS OF YOUR REFUSAL.
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USE THIS SPACE FOR ANY COMMENTS, REVISIONS, ETC.

1. What are the three types of business organizations?
Sole proprietorship, partnership, and corporation.
2. What are the advantages and disadvantages of sole proprietorship?
Advantages: Easy to start, complete control, privacy.
Disadvantages: Unlimited liability, limited capital, lack of continuity.
3. What are the advantages and disadvantages of partnership?
Advantages: Easy to start, more capital, more expertise.
Disadvantages: Unlimited liability, potential for conflict, limited capital.
4. What are the advantages and disadvantages of corporation?
Advantages: Limited liability, easy to raise capital, perpetual existence.
Disadvantages: Expensive to start, more paperwork, double taxation.
5. What is a sole proprietorship?
A business owned and operated by one individual.
6. What are the advantages and disadvantages of a sole proprietorship?
Advantages: Easy to start, complete control, privacy.
Disadvantages: Unlimited liability, limited capital, lack of continuity.
7. What is a partnership?
A business owned and operated by two or more individuals.
8. What are the advantages and disadvantages of a partnership?
Advantages: Easy to start, more capital, more expertise.
Disadvantages: Unlimited liability, potential for conflict, limited capital.
9. What is a corporation?
A business owned and operated by a group of individuals, known as shareholders.
10. What are the advantages and disadvantages of a corporation?
Advantages: Limited liability, easy to raise capital, perpetual existence.
Disadvantages: Expensive to start, more paperwork, double taxation.



STANDARD NUMBER	10	20	30	40	50	60	70
STANDARD 10.1	10.1.1	10.1.2	10.1.3	10.1.4	10.1.5	10.1.6	10.1.7
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STANDARD 10.3	10.3.1	10.3.2	10.3.3	10.3.4	10.3.5	10.3.6	10.3.7
STANDARD 10.4	10.4.1	10.4.2	10.4.3	10.4.4	10.4.5	10.4.6	10.4.7
STANDARD 10.5	10.5.1	10.5.2	10.5.3	10.5.4	10.5.5	10.5.6	10.5.7
STANDARD 10.6	10.6.1	10.6.2	10.6.3	10.6.4	10.6.5	10.6.6	10.6.7
STANDARD 10.7	10.7.1	10.7.2	10.7.3	10.7.4	10.7.5	10.7.6	10.7.7
STANDARD 10.8	10.8.1	10.8.2	10.8.3	10.8.4	10.8.5	10.8.6	10.8.7
STANDARD 10.9	10.9.1	10.9.2	10.9.3	10.9.4	10.9.5	10.9.6	10.9.7
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STANDARD 10.37	10.37.1	10.37.2	10.37.3	10.37.4	10.37.5	10.37.6	10.37.7
STANDARD 10.38	10.38.1	10.38.2	10.38.3	10.38.4	10.38.5	10.38.6	10.38.7
STANDARD 10.39	10.39.1	10.39.2	10.39.3	10.39.4	10.39.5	10.39.6	10.39.7
STANDARD 10.40	10.40.1	10.40.2	10.40.3	10.40.4	10.40.5	10.40.6	10.40.7



SECTION C - C

[Handwritten signatures and stamps are present at the bottom of the page.]