

SPECIAL NOTES

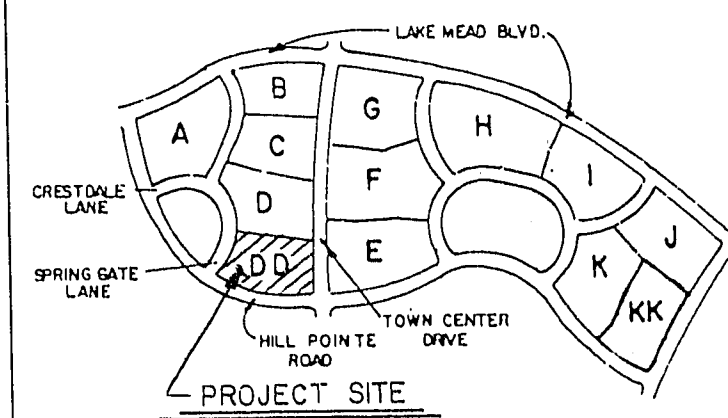
1. THE CONTRACTOR IS TO VERIFY EXISTING UTILITIES PRIOR TO CONSTRUCTION.
2. THIS FIRE HYDRANT IS TO BE USED FOR CONSTRUCTION PURPOSES ONLY FROM 8/90 THRU 2/91 AND WILL BE REMOVED ON OR BEFORE 3/01/91. THE CONTRACTOR WILL REMOVE THE FIRE HYDRANT AND ALL APPURTENANCES AND LEAVE THE AREA IN THE SAME CONDITION HE FOUND IT.

ESTIMATE OF QUANTITIES

STD. FIRE HYDRANT W/6" GATE VALVE & 6" LAT.	6 EA.
8" A.C.P. OR P.V.C.	4174 L.F.
8" GATE VALVE W/VALVE BOX & COVER	10 EA.
8" - 11 1/4" BEND	9 EA.
8" - 22 1/2" BEND	8 EA.
8" - 45" BEND	8 EA.
8" - 90" BEND	3 EA.
12" x 8" REDUCER	1 EA.
3/4" WATER SERVICE (1 SERV. TO LOT A)	170 EA.
5/8" METER (BY L.V.V.W.D.) (METER @ LOT A)	120 EA.
METER BOX W/COVER (1 BOX W/COVER @ LOT A)	110 EA.

LEGEND

- FIRE HYDRANT w/6" G.V.
 WATER LINE
 SEWER LINE
 SEWER LATERAL
 GATE VALVE
 REDUCER
 SEWER MANHOLE
 1 1/4" PVC CONDUIT (ST. LT.)
 100W HPS LUMINAIRE (SUMMERLIN STD. TYPE 3B)
 NO. 3 1/2 CONCRETE PULL BOX w/METAL COVER
 CONCRETE DRIVEWAY
 STOP SIGN
 6" STREET SIGN
 S.P.O.C. (SERVICE POINT OF CONNECTION)



VICINITY MAP

Avoid cutting underground utility lines. It's costly.

Call before you Dig.

1-800-227-2600

LAS VEGAS VALLEY WATER DISTRICT - WATER NOTES

1. ALL WORK TO CONFORM TO LAS VEGAS VALLEY WATER DISTRICT LATEST STANDARD PLATES AND SPECIFICATIONS.
2. ALL WORK, EXCEPT AS MODIFIED HEREON OR BY NOTE NO. 1, SHALL BE DONE IN ACCORDANCE WITH THE MOST CURRENT DRAFT OR EDITION OF UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS CLARK COUNTY AREA.
3. NOTICE TO BE GIVEN ENGINEERING DEPARTMENT OF THE LAS VEGAS VALLEY WATER DISTRICT 48 HOURS PRIOR TO ACTUAL CONSTRUCTION.
4. SERVICE SADDLES OR TAPPED COLLARS WILL BE REQUIRED ON ALL 3/4" AND 1" SERVICE LATERALS. SERVICE SADDLES WILL ONLY BE PERMITTED ON 1 1/2" AND 2" SERVICE LATERALS. DOUBLE TAPPED COLLARS ARE NOT PERMITTED.
5. ALL LINES TO BE PRESSURE TESTED TO 200 PSI.
6. DEFLECTION ANGLE SHALL NOT EXCEED 2 1/2" DEGREES PER 13 FOOT SECTION OF PIPE FOR PIPE SIZES SMALLER THAN 14" AND SHALL NOT EXCEED 2 DEGREES FOR PIPE SIZES BETWEEN 14" AND 16".
7. ALL METERS SHALL BE LOCATED OUTSIDE OF DRIVEWAYS.
8. DETECTOR TAPE REQUIRED IN ACCORDANCE WITH STANDARD PLATE NO. 27 WERE INDICATED AND AS FOLLOWS:
 (A) OVER ALL MAINS NOT INSTALLED AT 6 FEET FROM BACK OF CURB.
 (B) OVER ALL SERVICE LATERALS NOT INSTALLED AT RIGHT ANGLES TO MAINS.
9. CALL BEFORE YOU DIG - 1-800-227-2600.

CLV FIRE DEPARTMENT NOTES

1. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE CITY OF LAS VEGAS FIRE DEPARTMENT "HYDRANT SPECIFICATIONS" AND "HYDRANT INSTALLATION SPECIFICATIONS" AND ORDINANCE NO. 3318.
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 CONSTRUCTION, ACCESSIBLE FIRE HYDRANTS SHALL BE INSTALLED BEFORE COMBUSTIBLE CONSTRUCTION COMMENCES AND SAID FIRE HYDRANTS SHALL BE IN GOOD WORKING ORDER WITH AN ADEQUATE WATER SUPPLY.
4. CONTRACTOR SHALL PLACE A GREEN REFLECTIVE MARKER AT CENTERLINE OF STREET ADJACENT TO FIRE HYDRANTS.
5. ALL FIRE HYDRANTS MUST BE CONNECTED TO A DEPENDABLE WATER SUPPLY CAPABLE OF SUPPLYING THE REQUIRED FIRE FLOW. CALL THE LAS VEGAS FIRE DEPARTMENT AT 383-2888 FOR UNDERGROUND INSPECTION, PRESSURE AND FLUSH VERIFICATION OF ALL PRIVATE 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 THE "HYDRANT INSTALLATION SPECIFICATIONS" SHALL BE COMPLETED BEFORE APPROVAL OF THE HYDRANTS BY THE CITY OF LAS VEGAS FIRE DEPARTMENT.
7. FIRE HYDRANT SPACING:
 RESIDENTIAL 600 FT. MAXIMUM
 COMMERCIAL 500 FT. MAXIMUM
 FIRE HYDRANTS SHALL BE LOCATED WITHIN 500 FT. OF ANY CONSTRUCTION OR COMBUSTIBLE OPEN STORAGE, AND SHALL BE INSTALLED PRIOR TO CONSTRUCTION.
8. NO FIRE HYDRANT SHALL BE LOCATED WITHIN 6' OF ANY CURB RETURN, DRIVEWAY, POWER POLE, STREETLIGHT, OR ANY OTHER OBSTRUCTION.
9. NO FIRE HYDRANT SHALL BE LOCATED WITHIN THE REQUIRED RADIUS OF A CUL-DE-SAC OR WITHIN 20' OF THE PERIMETER OF THE RADIUS OF THE CUL-DE-SAC.
10. A PERMIT MUST BE OBTAINED FROM THE FIRE DEPARTMENT FOR ONSITE FIRE WATER SYSTEM INSTALLATION PRIOR TO CONSTRUCTION.

LAS VEGAS FIRE DEPARTMENT

FIRE FLOW REQUIREMENT IS 1,500 GALLONS PER MINUTE AT 20 POUNDS PER SQUARE INCH RESIDUAL.

BASED ON:

SQUARE FOOTAGE _____

LARGEST AREA BETWEEN AREA SEPARATION WALLS _____

HEIGHT _____

TYPE OF CONSTRUCTION _____

EXPOSURES _____

SPRINKLER SYSTEM _____

OCCUPANCY _____

ROOF CONSTRUCTION _____

SINGLE FAMILY
 2 STORY
 TYPE V
 5-11-91

WATT NEVADA, INC.
 LAS COLINAS
 UTILITY PLAN 1
 (SEWER RECORD DRAWING)

SHEET
7
 OF 19 SHEETS

G.C. WALLACE, INC.
 Engineering/Architecture
 1555 SOUTH RAINBOW BLVD./LAS VEGAS, NEVADA 89102

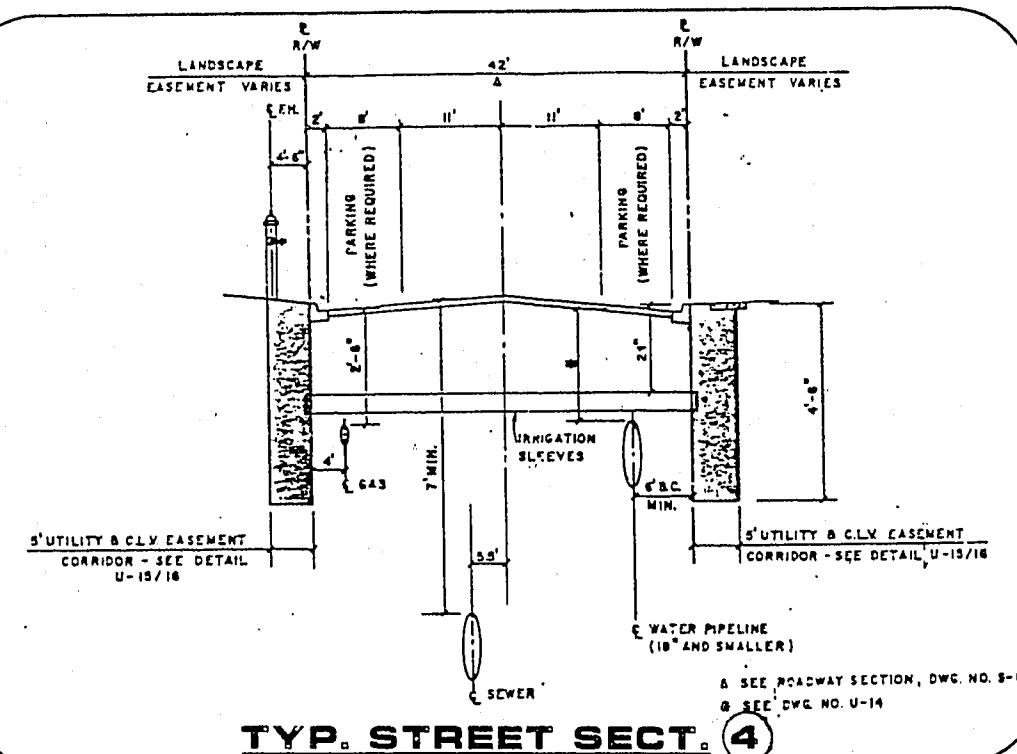
SCALE: 1" = 50'

MATCH LINE - SEE SHEET 8 OF 19

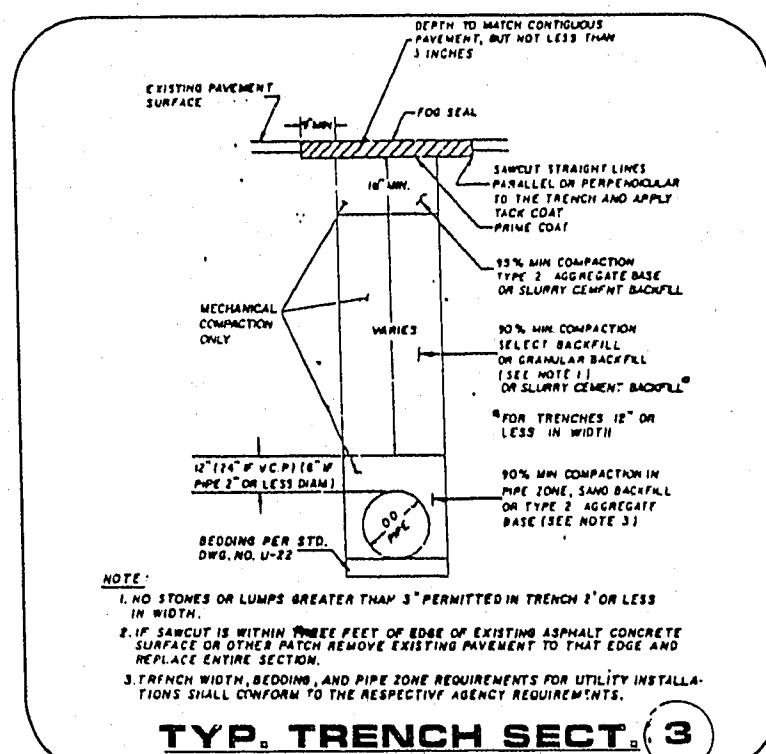
MANHOLE CO-ORDINATES

NO	NORTHING	EASTING
8.	527676.17	582639.92
9.	527727.71	582622.21
10.	528001.94	582812.47
11.	527949.15	583005.88
12.	527798.21	582901.16
13.	527752.35	582939.37

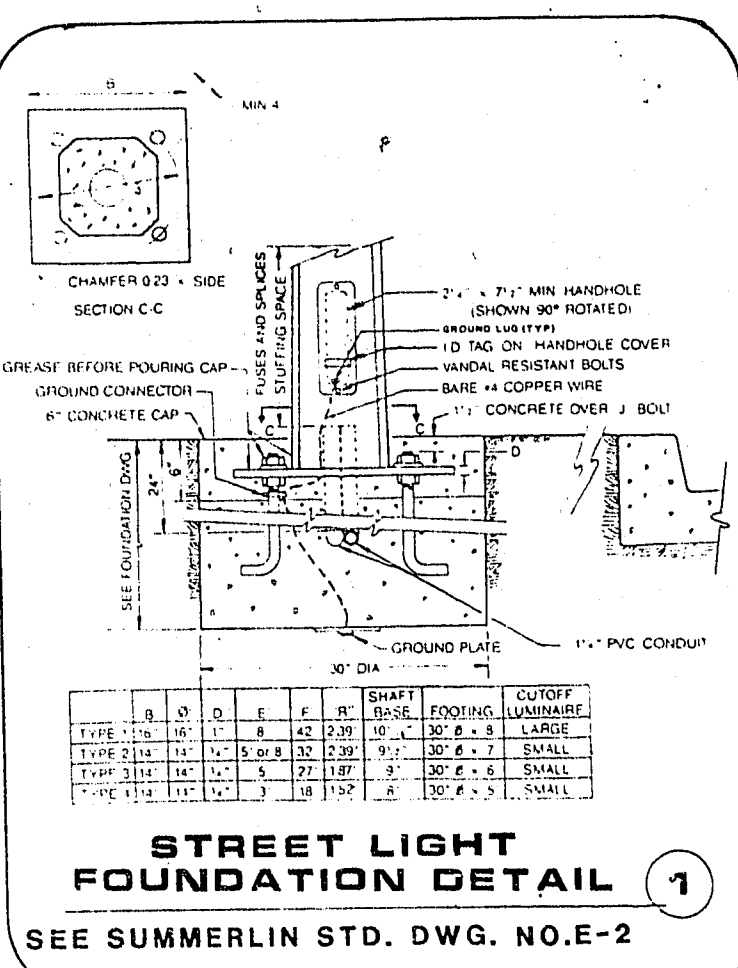
TYP. STREET SECT.



TYP. TRENCH SECT.

STREET LIGHT
SUMMERLIN
STD. DWG. #E-5FIRE HYDRANT
SUMMERLIN
STD. DWG. #U-5

ABOVE GROUND UTIL.



SEE SUMMERLIN STD. DWG. NO. E-2