

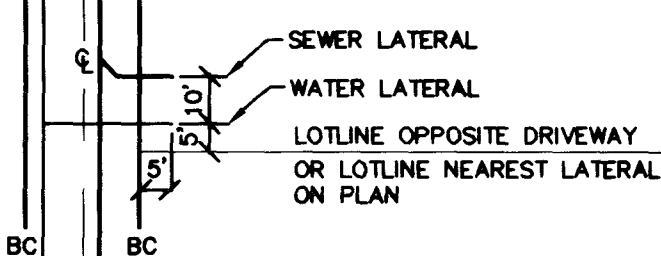
MATCH LINE SEE SHEET 3

NOTES

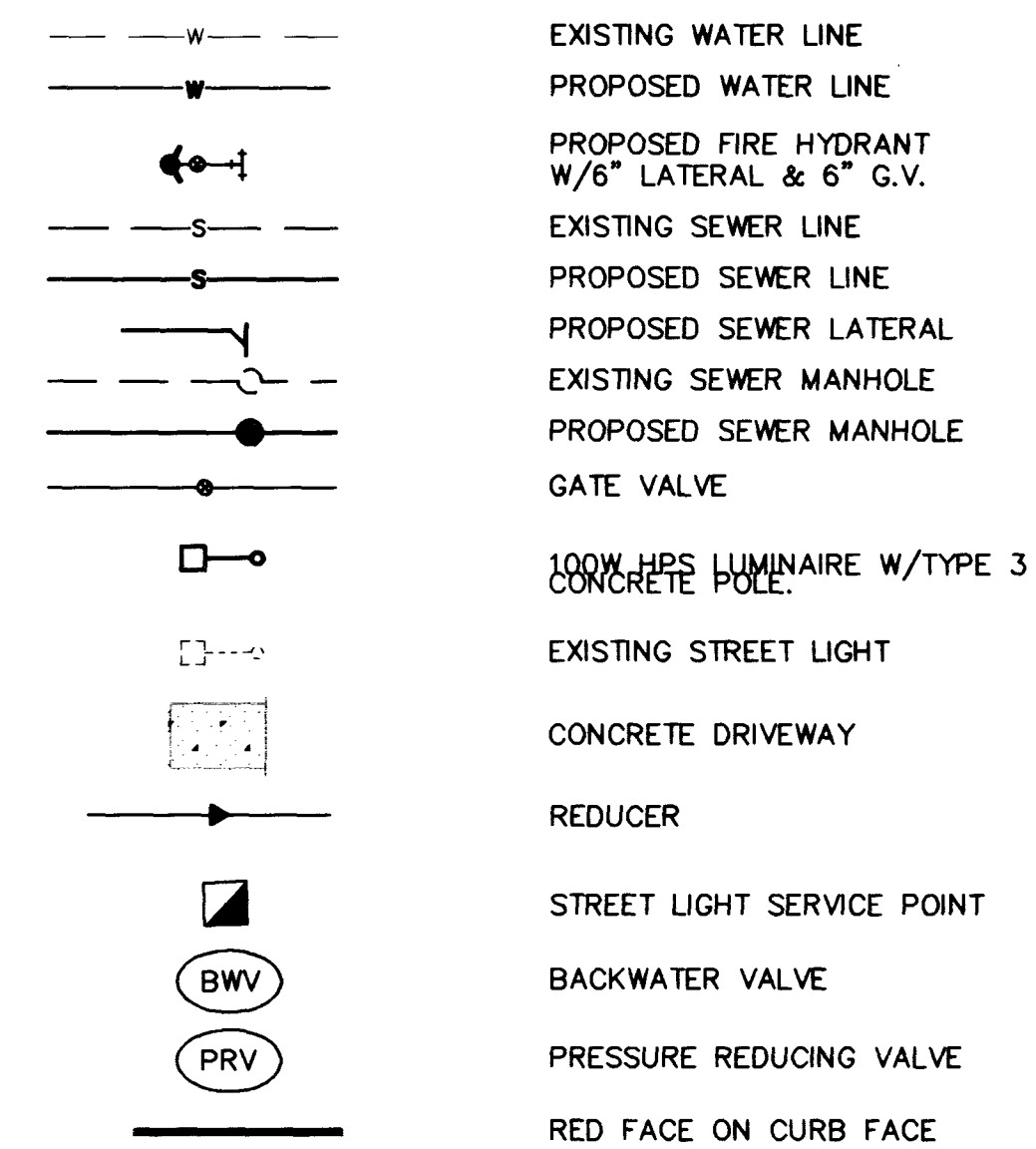
1. ALL INTERIOR STREETS TO BE "PRIVATE STREETS W/ PUBLIC SEWER & PUBLIC DRAINAGE EASEMENT TO BE PRIVATELY MAINTAINED".
2. PLEASE SEE SHEET 4 FOR TYPICAL WATER & SEWER LATERAL LAYOUT.

TYPICAL WATER & SEWER LAYOUT

(UNLESS STATION SHOWN)
(NOT TO SCALE)

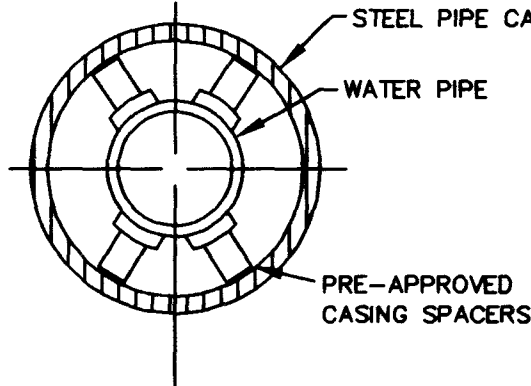


UTILITY LEGEND

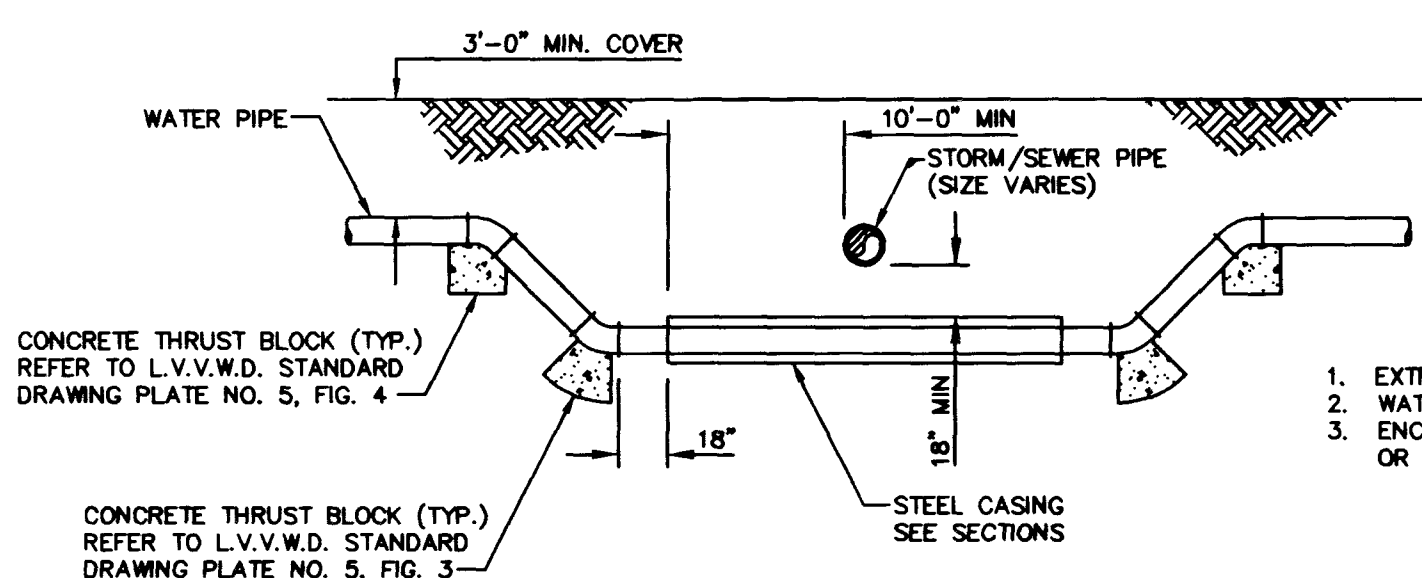


NOTES:

1. STEEL PIPE CASING SYMMETRICAL ABOUT WATER MAIN CENTERLINE.
2. PRE-APPROVED CASING SPACERS AND PRE-APPROVED END SEALS INSTALLED PER MANUFACTURER'S SPECIFICATIONS. (REDWOOD SKIDS NOT ALLOWED, UDACS SECTION 3.26 NOT APPLICABLE). USE A "CENTERED" CONFIGURATION AND PROVIDE THE MANUFACTURER WITH THE FOLLOWING:
 - PIPE OD
 - CASING ID
 - CASING LENGTH



TYPICAL CASING SECTION



WHERE THE WATER LINE IS LESS THAN 18 INCHES OVER THE SEWER LINE, WHERE THE WATER LINE IS UNDER THE SEWER LINE, AND WHERE THE HORIZONTAL SEPARATION, AS REQUIRED BY THE WATER SUPPLY REGULATIONS, CANNOT BE MAINTAINED BECAUSE OF PHYSICAL OBSTRUCTIONS, THE WATER LINE SHALL BE PROTECTED BY CONSTRUCTION OF THE STORM/SEWER LINE AS FOLLOWS:

EACH OF THESE PROVISIONS SHALL ALSO BE EXTENDED FOR OTHER THAN 90 DEGREE CROSSINGS TO THE POINT AT WHICH THE TEN FOOT SEPARATION BETWEEN THE WATER AND SEWER LINES IS ACHIEVED (10/SINE OF CROSSING ANGLE.)

STORM SEWER CROSSING DETAIL

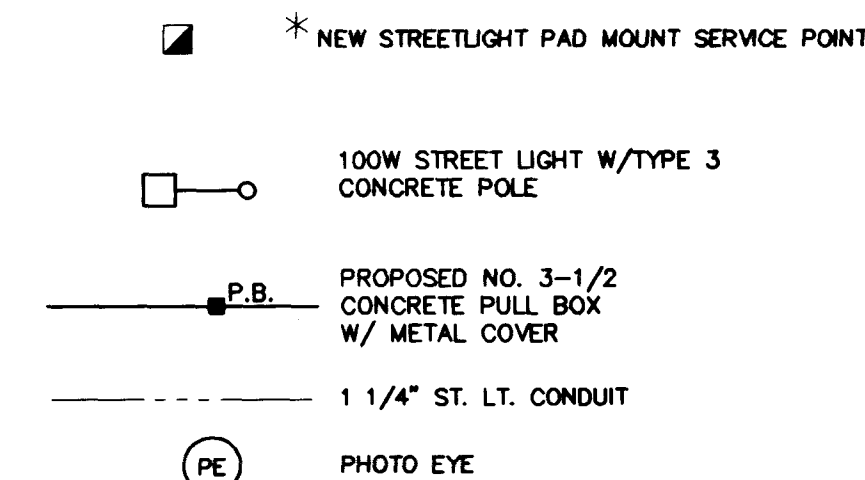
(NOT TO SCALE)

1
4

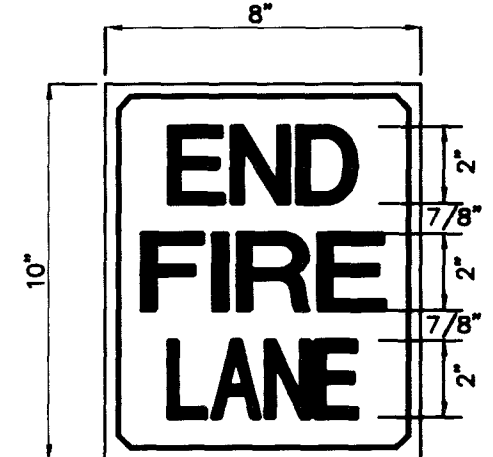
SEWER CONSTRUCTION NOTE:

ONE OR MORE SEGMENTS OF THE DOWNSTREAM SEWER SYSTEM THAT WILL SERVE THIS PROJECT HAS NOT BEEN COMPLETED AND/OR ACCEPTED FOR MAINTENANCE BY THE CITY OF LAS VEGAS. ANY WORK DONE ON THIS PROJECT PRIOR TO THE COMPLETION AND/OR ACCEPTANCE OF THE DOWNSTREAM SEWER SYSTEM(S) SHALL BE DONE AT THE DEVELOPER'S OWN RISK. THE CITY OF LAS VEGAS RESERVES THE RIGHT TO PREVENT THE PHYSICAL CONNECTION OF THIS PROJECT INTO THE DOWNSTREAM SEWER SYSTEM UNTIL ALL SEGMENTS HAVE BEEN COMPLETED AND ACCEPTED FOR MAINTENANCE, OR UNTIL SUCH TIME AS THEY ARE DEEMED AVAILABLE FOR SERVICE.

STREET LIGHT LEGEND



"END FIRE LANE" SIGN DETAIL



NOTE:
SIGN MUST BE KEPT CLEAR OF ALL OBSTRUCTION (E.G., VEGETATION, ECT.)

TRAFFIC LEGEND & QUANTITIES

*L	9" D-3 STREET NAME SIGN	1 EA
L	6" D-3 STREET NAME SIGN	6 EA
36	36" STOP SIGN	1 EA
END	"END OF FIRE LANE" SIGN	

BENCHMARK

CITY OF LAS VEGAS BENCHMARK OLVOO 31SSW6
RIVET & PLATE IN TC ON CHARLESTON BLVD., 1690 FEET WEST OF GRAND CANYON DRIVE, NORTH CURB LINE AT DROP INLET.
ELEVATION=2865.45 U.S. SURVEY FEET (SUMMERLIN DATUM)
(ALL ELEVATIONS SHOWN ARE BASED ON SUMMERLIN DATUM - NAVD 1988 DATUM MINUS 2.20 FEET = SUMMERLIN DATUM)

BASIS OF BEARING

NORTH 31°28'33" WEST, BEING THE BEARING OF A LINE BETWEEN G.C. WALLACE CONTROL 196 AND G.C. WALLACE CONTROL 198, SITUATED IN SECTIONS 23, 24, 25, AND 26, TOWNSHIP 20 SOUTH, RANGE 59 EAST, CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, AS SHOWN ON THAT CERTAIN MAP ON FILE IN THE CLARK COUNTY RECORDER'S OFFICE, IN FILE 85 OF SURVEYS, AT PAGE 17.

ESTIMATE OF WATER QUANTITIES

6" PVC WATER MAIN	460 L.F.
8" PVC WATER MAIN	3500 L.F.
1" COPPER WATER SERVICE	56 EA.
3/4" WATER METER (FROM LVWD)	56 EA.
METER BOX (UDACS PLATE 1B)	56 EA.
2" BLOW-OFF ASSEMBLY W/CAP	4 EA.
8" TEE	10 EA.
8" x 6" REDUCER	3 EA.
STD. FIRE HYDRANT ASSEMBLY W/ 6" LATERAL & 6" GATE VALVE	8 EA.
8" GATE VALVE	11 EA.
8" x 12" REDUCER	2 EA.
8" 45° BEND	1 EA.
STEEL CASING	34 L.F.
3/4" RPPA	1 EA.
8" 22 1/2° BEND	1 EA.
8" 11 1/4° BEND	3 EA.

NOTE: QUANTITIES ARE APPROXIMATE ONLY- CONTRACTOR TO VERIFY.

CONSTRUCTION NOTES FITTINGS

- 1 8" TEE
- 2 8" GATE VALVE
- 3 8"x6" TEE
- 4 8"x6" REDUCER
- 5 6" GATE VALVE
- 6 2" BLOW-OFF ASSEMBLY W/CAP
- 7 FIRE HYDRANT ASSY.
- 8 8" CROSS
- 9 8" 45° BEND
- 10 12"x8" REDUCER
- 11 8" 45° BEND

SIGHT VISIBILITY RESTRICTION EASEMENT

SIGHT VISIBILITY RESTRICTION EASEMENT ~ NO OBSTRUCTION TO BE OVER 30" IN HEIGHT IN HATCHED AREA

APPROVED FOR CONSTRUCTION

LAS VEGAS VALLEY WATER DISTRICT
8/19/98
DATE

TYPICAL STREET LIGHT & LOCATION DETAIL

PER SUMMERLIN STD. DWG. # E-2 ("PRIVATE DRIVE ONLY")

CITY OF LAS VEGAS STREETLIGHT NOTES

1. ALL STREET LIGHTING INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE STREET LIGHTING PLANS, THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA", LATEST REVISION, AND THE "UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA", LATEST REVISION.
2. NO DEVIATION OF STREET LIGHT, PULL BOX, CONDUITS (ETC.) LOCATIONS SHALL BE PERMITTED WITHOUT WRITTEN APPROVAL OF THE TRAFFIC/ELECTRICAL FIELD OPERATIONS DIVISION AND THE CITY ENGINEER. ANY DEVIATION FROM THE PLAN LOCATION WILL REQUIRE COMPLIANCE WITH SECTION 623.L0.03 (E) OF THE SPECIFICATIONS.
3. ALL EXISTING STREET LIGHTING SHALL REMAIN OPERATIONAL DURING CONSTRUCTION.
4. ALL EMPTY CONDUIT SHALL HAVE PULL STRINGS INSTALLED PRIOR TO FINAL INSPECTION.
5. ANY STRUCTURE SUCH AS BLOCK WALLS, CHAIN LINK FENCES, RETAINING WALLS, ETC., SHALL LEAVE A MINIMUM CLEARANCE OF EIGHTEEN INCHES (18") TO THE FACE OF STREET LIGHTING POLE ON ALL SIDES WHEN STREETLIGHT IS INSTALLED BEHIND SIDEWALK, AND SHALL AT NO TIME COMPLETELY ENCLOSE THE STREET LIGHTING POLE.
6. AS-BUILT DRAWINGS SHALL BE SUPPLIED TO THE ELECTRICAL SERVICES SECTION PRIOR TO ANY PREFINAL INSPECTION. THE AS-BUILT DRAWING NEEDS TO BE STAMPED AS-BUILT AND SIGNED BY THE PREPARER.
7. SERVICE POINT SHALL BE COORDINATED WITH NEVADA POWER COMPANY, AND WHEREVER POSSIBLE, BE LOCATED NEAR THE CENTER OF THE CIRCUIT. THIS SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
8. IT SHALL BE ASSUMED THAT IN THE ABSENCE OF AN EXISTING, WORKABLE CIRCUIT TO ATTACH TO, ALL INSTALLATIONS SHALL REQUIRE A NEW SERVICE FOR OPERATION OF THE CIRCUIT.
9. WHEREVER THERE IS AN OVERHEAD UTILITY THAT MAY CONFLICT WITH THE INSTALLATION OF STREET LIGHTING CIRCUITS AND/OR POLES, THESE CONFLICTS MUST BE RESOLVED BETWEEN THE DEVELOPER AND THE UTILITIES INVOLVED BEFORE STREETLIGHT BASES ARE INSTALLED AT NO EXPENSE TO THE CITY OF LAS VEGAS.
10. THE CONTRACTOR SHALL FURNISH COMPLETE SERVICE TO TRANSFORMERS AND CONTROL SYSTEMS IF REQUIRED ON PLANS.

3/98

TROPHY HOMES
8100 W. CHARLESTON BLVD. SUITE 200
LAS VEGAS, NV 89117
(702) 255-2135

PENTACORE

CIVIL ENGINEERING, LAND SURVEYING, PLANNING
CONSULTING, ARCHITECTURAL, INTERIOR DESIGN
7703 WEST CHARLESTON BOULEVARD
LAS VEGAS, NEVADA 89102 (702) 258-0115

UTILITY PLAN 2

AMBER HILLS-UNIT 1

DATE: 8-07-98
DWG. NO.: MSG
DESIGNED BY: [Signature]
CHECKED BY: [Signature]
DATE: 8-17-98
JOB NO.: 0192.0020
SCALE: 1" = 40'

REGISTERED PROFESSIONAL ENGINEER
STATE OF NEVADA
RICHARD P. [Signature]
CIVIL
8-17-98

SHEET
4
OF 15
CLV DWG.#
307P-4572-1

