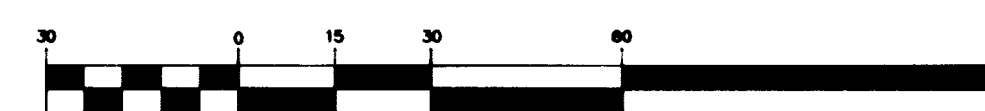


MATCHLINE SEE SHEET C3

GRAPHIC SCALE



APPROVALS

10/27/98
CITY FIRE MARSHALL
1st Approval: 10/28/99
DATE: 10/27/98
LAS VEGAS VALLEY WATER DISTRICT
DATE: 10/27/98

SEWER CONTRIBUTION

AVERAGE FLOW = 17,840 GAL/DAY (178,400 SF @ 0.10 GAL/DAY/S.F.)
PEAK FLOW = 58,872 GAL/DAY (3.3 PEAK FACTOR)

LAS VEGAS FIRE DEPARTMENT

FIRE FLOW IS: 3,125 GPM AT 20 PSI RESIDUAL PRESSURE
BASED ON: LARGEST BLDG.
SQUARE FOOTAGE: 51,970 SQ. FT.
AREA BETWEEN 4-HR AREA: N/R
SEPARATION WALLS: N/R
BUILDING HEIGHT: 35'
NUMBER OF STORIES: 1
OCCUPANCY: V-N
FULL AUTOMATIC FIRE SYSTEM: YES

NOTE:

ALL ON-SITE SEWERS ARE PRIVATELY OWNED AND MAINTAINED.

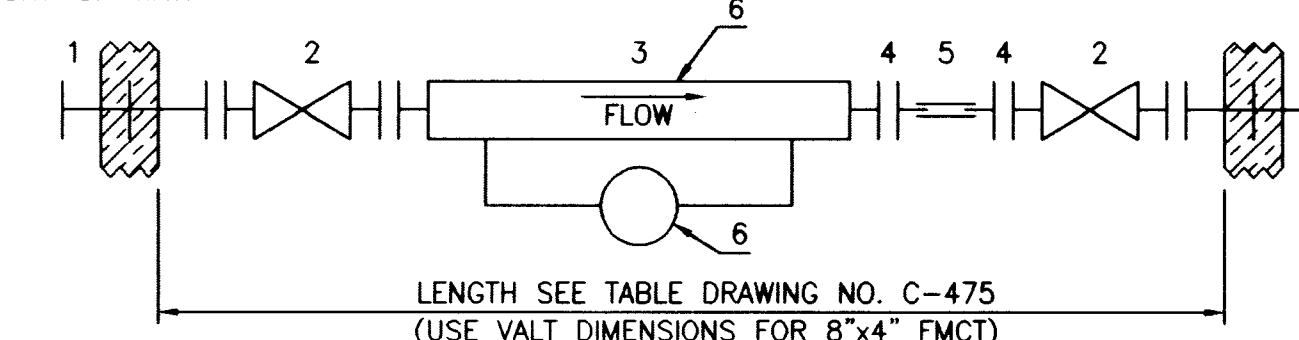
REDUCED PRESSURE PRINCIPLE ASSEMBLY (1) 8"

APPROVED REDUCED PRESSURE PRINCIPLE ASSEMBLY SHALL BE INSTALLED PER THE UDACS PLATE NO. 118. NO WATER SHALL BE TAKEN FROM A SERVICE REQUIRING BACK FLOW PREVENTION UNTIL THE REDUCED PRESSURE PRINCIPLE ASSEMBLY HAS BEEN SUCCESSFULLY TESTED BY THE LVWD.

THE METER AND VAULT WITH NON-TRAFFIC BEARING COVER SHALL BE INSTALLED IN ACCORDANCE WITH UDACS PLATE NO. 21D DETAIL AND WITH UDACS STANDARD VAULT DRAWING C-475, LATEST REVISION.

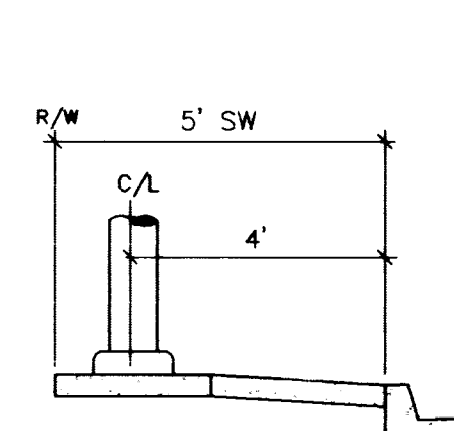
GENERAL

ANY BLOCK WALL OR OTHER FENCE MATERIAL SHALL BE DESIGNED AND CONSTRUCTED AROUND THE OUTSIDE OF THE EASEMENT TO ALLOW THE DISTRICT DIRECT ACCESS FROM THE ADJACENT RIGHT-OF-WAY.

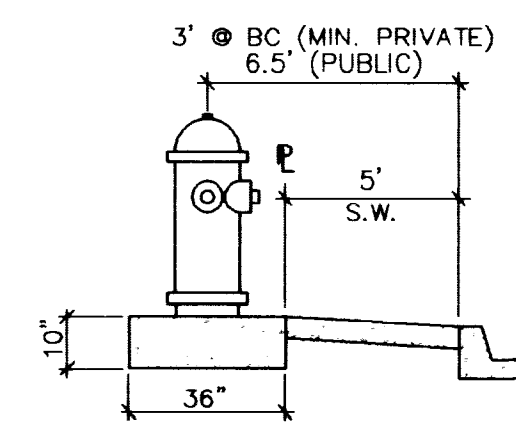


NOTE: DO NOT OFFSET WALLSPOOL

- | QTY. | DESCRIPTION |
|------|---|
| 2 | 1. FLANGED SCHED 40 FABRICATED STEEL EPOXY COATED AND LINED WALL SPOOL, W/THRUST RING |
| 2 | 2. FLANGED GATE VALVE |
| 1 | 3. SENSUS 8" x 2" OR APPROVED EQUAL |
| 2 | 4. FLANGED x PLAIN END SCHED 40 FABRICATED STEEL EPOXY COATED AND LINED SPOOL |
| 2 | 5. SLEEVE TYPE COUPLING |
| 2 | 6. INSTALL ADJUSTABLE PIPE SUPPORTS, GRINNELL NO. 264 OR APPROVED EQUAL |

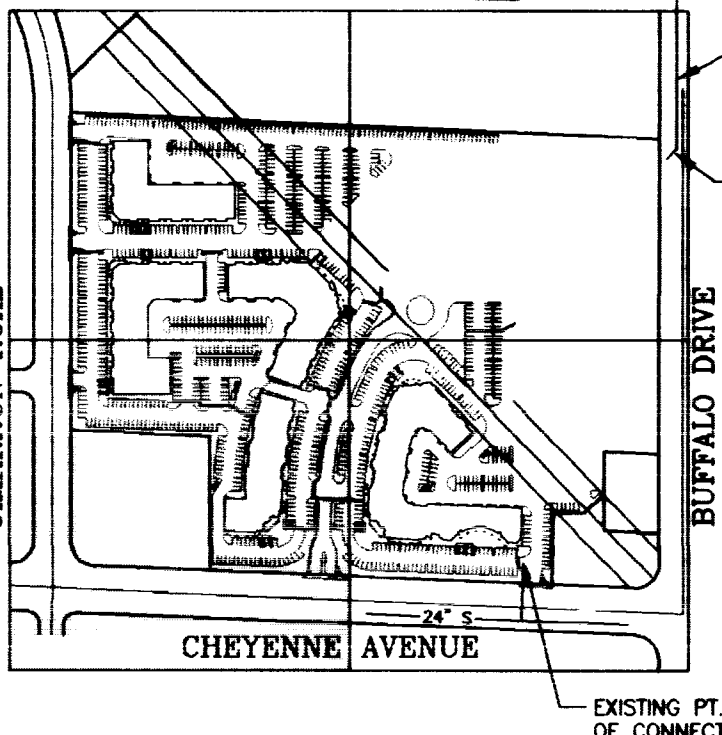


STREET LIGHT INSTALLATION



FIRE HYDRANT INSTALLATION

SHEET LAYOUT INDEX



SEWER CONNECTION KEY

BLDG 3
F.F. = 80.80BLDG 4
F.F. = 81.50BLDG 2
F.F. = 80.85

LVWD STANDARD NOTES

- NO WORK SHALL BEGIN UNTIL THE WATER PLANS HAVE BEEN RELEASED FOR CONSTRUCTION BY LVWD. FOLLOWING WATER PLAN APPROVAL, 48 HOUR NOTICE SHALL BE GIVEN TO THE LVWD 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 AN LVWD INSPECTION.
- ALL WORK SHALL CONFORM TO LVWD STANDARD PLATES, DRAWINGS, AND SPECIFICATIONS AND THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR WATER DISTRIBUTION SYSTEMS (UDACS), LATEST EDITION.
- 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 PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENT, CLARK COUNTY AREA.
- A SINGLE PIPE MATERIAL SHALL BE USED THROUGHOUT THE PROJECT UNLESS OTHERWISE APPROVED BY THE LVWD.
- ALL SERVICE LATERALS TWO (2) INCHES IN DIAMETER AND SMALLER SHALL BE COPPER TUBING WITH LVWD APPROVED SERVICE SADDLES.
- ALL WATER METER BOXES SHALL BE LOCATED OUTSIDE OF DRIVEWAY AREAS.
- ALL VALVES SHALL BE LOCATED OUTSIDE OF DRIVEWAYS, VALLEY AND CURB GUTTERS.
- THE FOLLOWING REQUIREMENTS MUST BE MET IN THE EVENT OF A WATERLINE 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 QUALITY 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.
- WARNING TAPE SHALL BE REQUIRED OVER ALL MAINS, ALL SIX (6) DIAMETER AND LARGER SERVICE LATERALS, AND ANY SERVICE LATERAL NOT INSTALLED PERPENDICULAR TO THE MAIN IN ACCORDANCE WITH STANDARD PLATE NO. 27.
- 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.
- THE CONTRACTOR MUST OBTAIN ALL METERS TWO (2) INCHES AND SMALLER FROM THE LVWD CENTRAL STORES, TELEPHONE 258-3152 FORTY-EIGHT (48) HOURS PRIOR TO PICKUP.
- CONSTRUCTION MAY INTERRUPT SERVICE, WITH LVWD APPROVAL AND PROPER NOTIFICATION, BETWEEN THE HOURS OF 10 P.M. AND 6 A.M. SUNDAY THROUGH THURSDAY. CIRCUMSTANCES MAY REQUIRE TEMPORARY SERVICE FEES BE INSTALLED, WITHOUT LVWD REIMBURSEMENT. ANY TEMPORARY SERVICE FEES MUST HAVE PRIOR LVWD APPROVAL.
- ALL WATER FACILITY CONSTRUCTION MATERIALS USED MUST BE AS LISTED ON THE LVWD'S PRE-APPROVED MATERIALS AND MANUFACTURERS LISTING FOR NEW FACILITIES, LATEST REVISION, OR SPECIFICALLY APPROVED ON THESE PLANS.

PUTTERS II
(UNDER CONSTRUCTION)
CLV DWG #107-V2870FUTURE
TED WIENS
CLV DWG #SD-20-98

WATER QUANTITIES	
6"x8" REDUCER	1 EA
8"x90"	1 EA
8"x2" FSM	1 EA
8" RPPA	1 EA
F.H.	1 EA
8" WL	0 LF

CHEYENNE AVENUE (100' R.O.W.)

CHEYENNE IMPROVEMENTS PER
CLV DWG #107-V231D - S.I.D. #1447

CONSTRUCTION NOTES

- 8" x 90" ELBOW
- INSTALL 6" FIRE HYDRANT ASSEMBLY PER U.D.S. PLATE NO. 7
- 6" x 45" BEND
- 8" GATE VALVE
- 8" x 45" BEND
- 8" x 8" x 6" TEE
- 8" TEE
- INSTALL 4" DIA. SMH PER CCSD STD DWG NO. SD-1
- 6" GATE VALVE
- 6"x6"x3" TEE
- INSTALL 4" PVC SEWER LATERAL CONNECTION PER CCSD STD DWG NO. SD-17, LAY PIPE AT 2.0% MINIMUM SLOPE
- INSTALL 250W STREET LIGHT
- INSTALL 2" STREET LIGHT CONDUIT
- MAKE CONNECTION TO EXISTING 6" WATER LATERAL W/8"x6" REDUCER & 8"x90" ELBOW
- INSTALL 8"x2" FSM, SEE DETAIL, THIS SHEET
- INSTALL 8" RPPA PER UDACS PLATE NO. 11B



USE SINGLE ARROW FOR SIGNS AT END OF EA. ZONE (EITHER DIRECTION, TO INDICATE DIRECTION OF NO PARKING)

"FIRE LANE" SIGN DETAIL:

LEGEND:

- CURB PAINTED RED
- 4" HIGH, WHITE PAINTED BLOCK LETTERS "NO PARKING FIRE LANE" ON CURB FACE OR BLOCK WALL & "FIRE LANE" NO PARKING SIGN (SEE DETAIL BELOW) @ 50" O.C. MAX

NORTHWEST PROPERTIES, L.L.C.

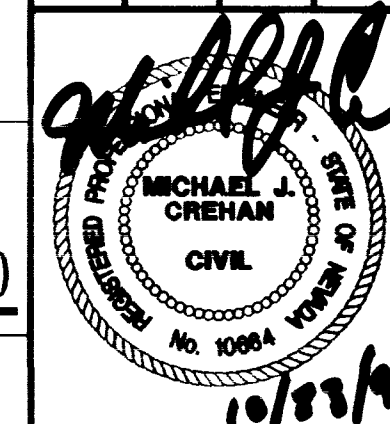
6800 WESTCLIFF DRIVE, #505
LAS VEGAS, NEVADA 89128
(702) 250-3781

UTILITY PLAN

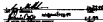
FLYNN GALLAGHER CORP. CENTER
NWC OF CHEYENNE AND BUFFALO
APN: 138-09-801-018 & 019
CITY OF LAS VEGASAGRA Infrastructure, Inc.
ENGINEERING GLOBAL SOLUTIONS
3016 W. CHARLESTON BOULEVARD, SUITE 180
LAS VEGAS, NEVADA 89102
PHONE: (702) 878-3617
FAX: (702) 878-3716

REV.	DATE	BY	DESCRIPTION
1	10/27/98	MC	REV. DRAWING & F.I. LOCATION
2	10/27/98	MC	REV. CITY OF LAS VEGAS APPROVAL
3	10/27/98	MC	REV. CITY OF LAS VEGAS APPROVAL
4	10/27/98	MC	REV. CITY OF LAS VEGAS APPROVAL
5	10/27/98	MC	REV. CITY OF LAS VEGAS APPROVAL
6	10/27/98	MC	REV. CITY OF LAS VEGAS APPROVAL

5 OF 15 SHEETS
DRAWING NO.
107-V2965



Call before you Dig It's a Law.
1-800-227-2600
CALL BEFORE YOU DO OVERHEAD
CALL 1-702-593-6111



10-10-2014 11:11 AM

