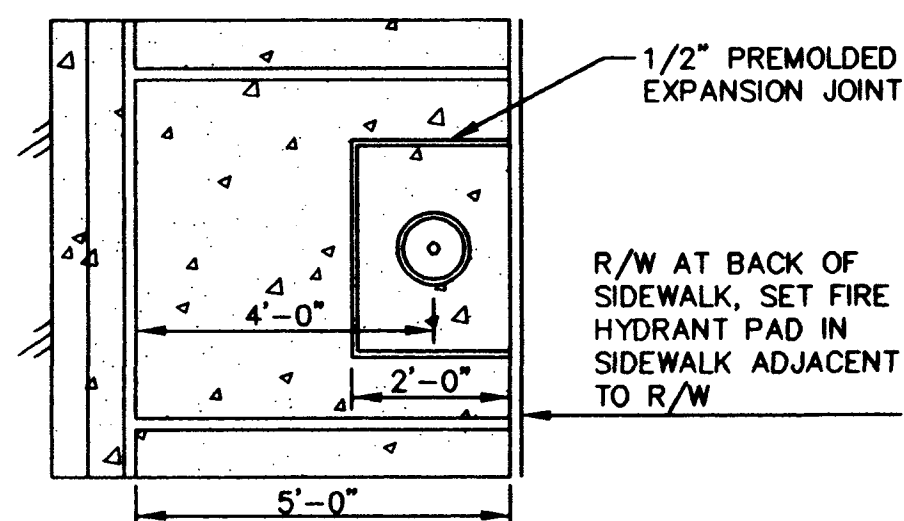
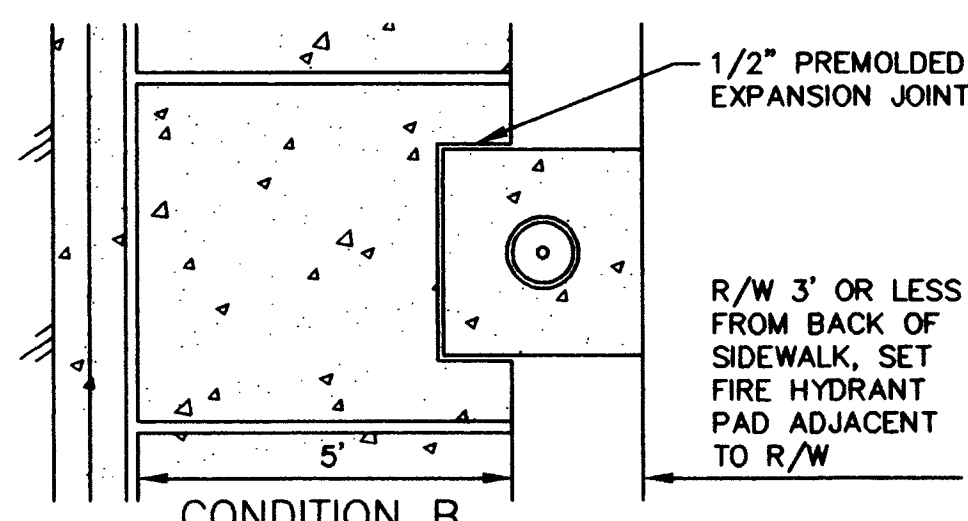
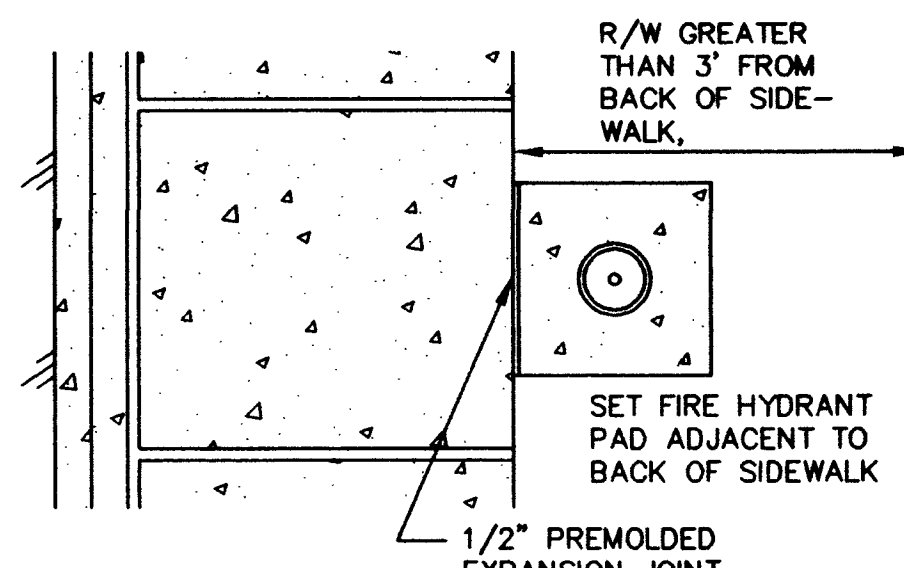




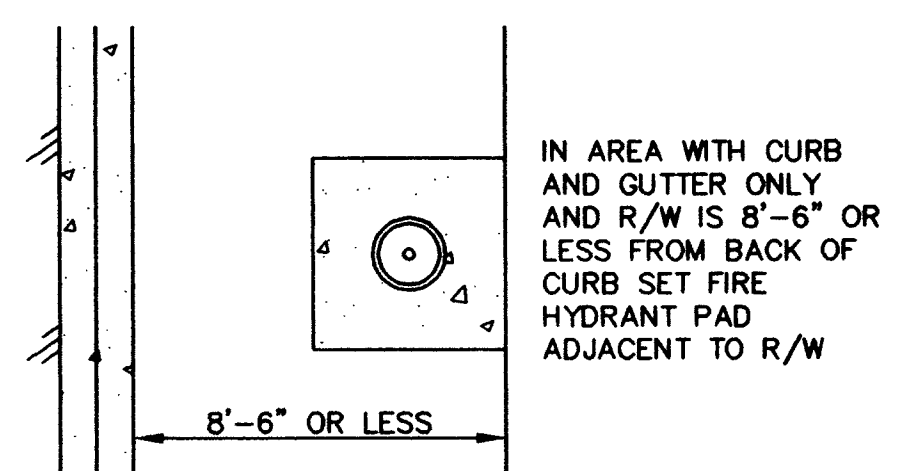
CONDITION A



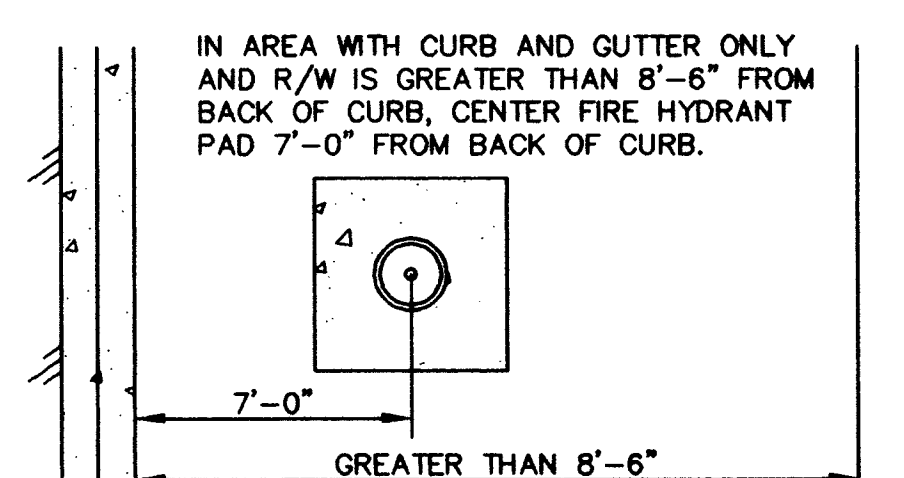
CONDITION B



CONDITION C



CONDITION D



CONDITION E

IF NO SIDEWALK, CURB AND GUTTER EXIST. SET FIRE HYDRANT PAD ADJACENT TO R/W AS SHOWN IN CONDITION D ABOVE

CONDITION F

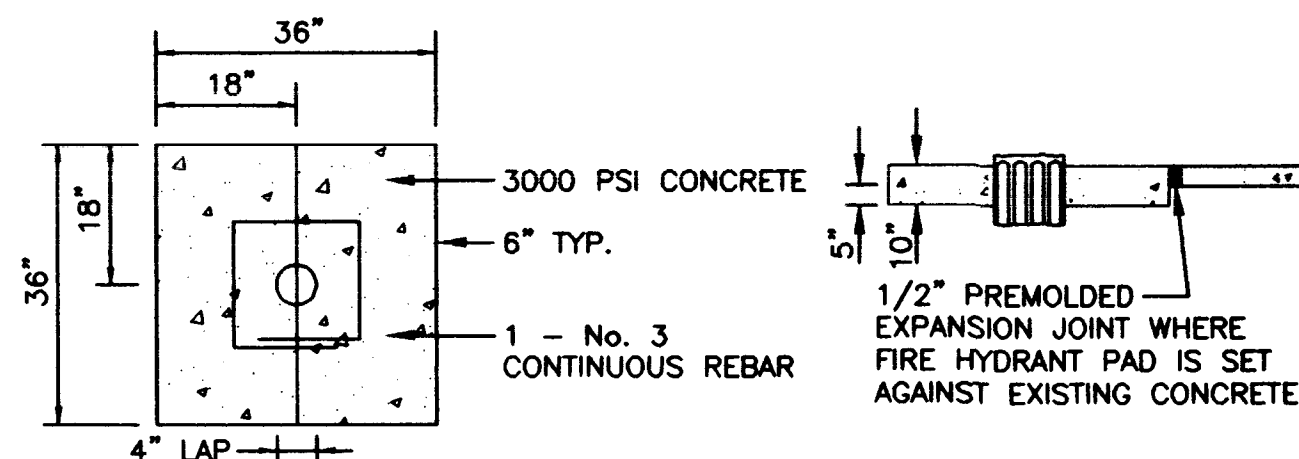
IF EASEMENT FOR FIRE HYDRANT IS PROVIDED, SET FIRE HYDRANT PAD WITHIN LIMITS OF THE EASEMENT, AS SHOWN BY THE APPROVED PLAN.

CONDITION G

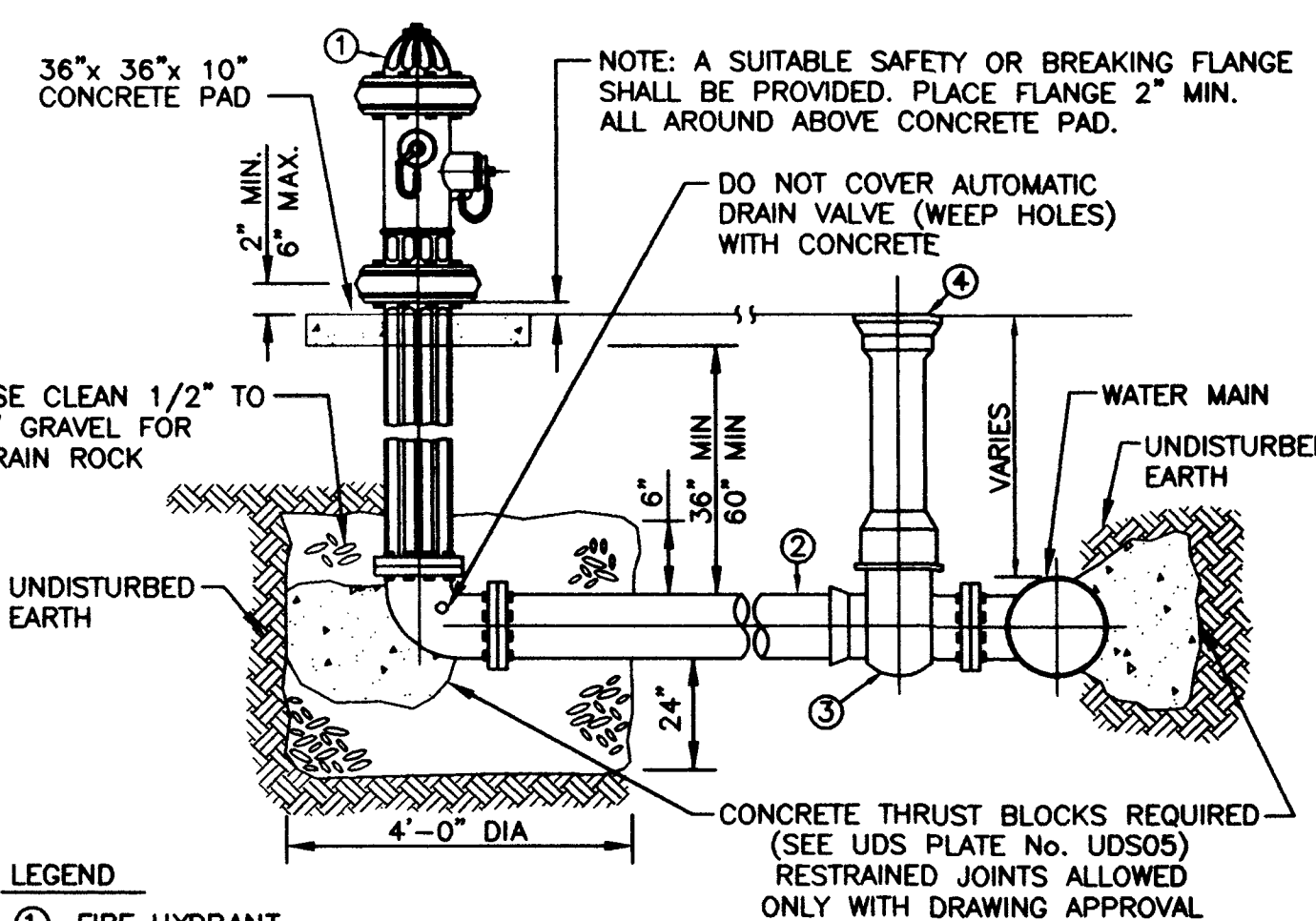
## FIRE HYDRANT INSTALLATION

NOT TO SCALE

7



NOTE: SEE UDS PLATE No. UDS07-2 FOR FIRE HYDRANT AND FIRE HYDRANT PAD HORIZONTAL LOCATION DETAILS



LEGEND

- ① FIRE HYDRANT
- ② 6" DIAMETER LATERAL
- ③ 6" RESILIENT SEATED GATE VALVE FLANGED x PUSH ON, OR FLANGED x RING TITE, OR FLANGED x MECHANICAL JOINT.
- ④ VALVE BOX INSTALLATION AND ADJUSTMENT (SEE UDS PLATE No. UDS08).

## FIRE HYDRANT ASSEMBLY

1. NO HYDRANT SHALL BE LOCATED WITHIN 25 FEET OF ANY STRUCTURE OR 6 FEET OF A DRIVEWAY, POWER POLE, LIGHT STANDARD, OR ANY OTHER OBSTRUCTION. FOR WALLS, FENCE, AND PLANTER LOCATIONS, A PERIMETER AROUND THE HYDRANT MEASURING A MINIMUM OF 3 FEET FROM ITS CENTER SHALL BE MAINTAINED CLEAR OF ALL OBSTRUCTIONS AT ALL TIMES. HYDRANT MUST BE LOCATED A MINIMUM OF 6 FEET AWAY FROM THE BEGINNING OF A TURNING RADIUS.
2. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE CITY OF LAS VEGAS FIRE DEPARTMENT "HYDRANT SPECIFICATIONS", "HYDRANT INSTALLATION SPECIFICATIONS" AND ORDINANCE No. 3318 CLARK COUNTY ORDINANCE No. 1167, NFPA No. 24 LATEST EDITION AND THE UNIFORM FIRE CODE LATEST EDITION.
3. 6" FIRE HYDRANT LATERAL SHALL BE SAME CLASS AND TYPE OF MATERIAL AS THE THE DISTRIBUTION MAIN.
4. DUCTILE IRON PIPE TO BE ENCASED WITH EIGHT MILS THICK POLYETHYLENE FILM.

FOR CONDITIONS SEE SHEET 2 OF 2 (UDS PLATED No. UDS07-2)

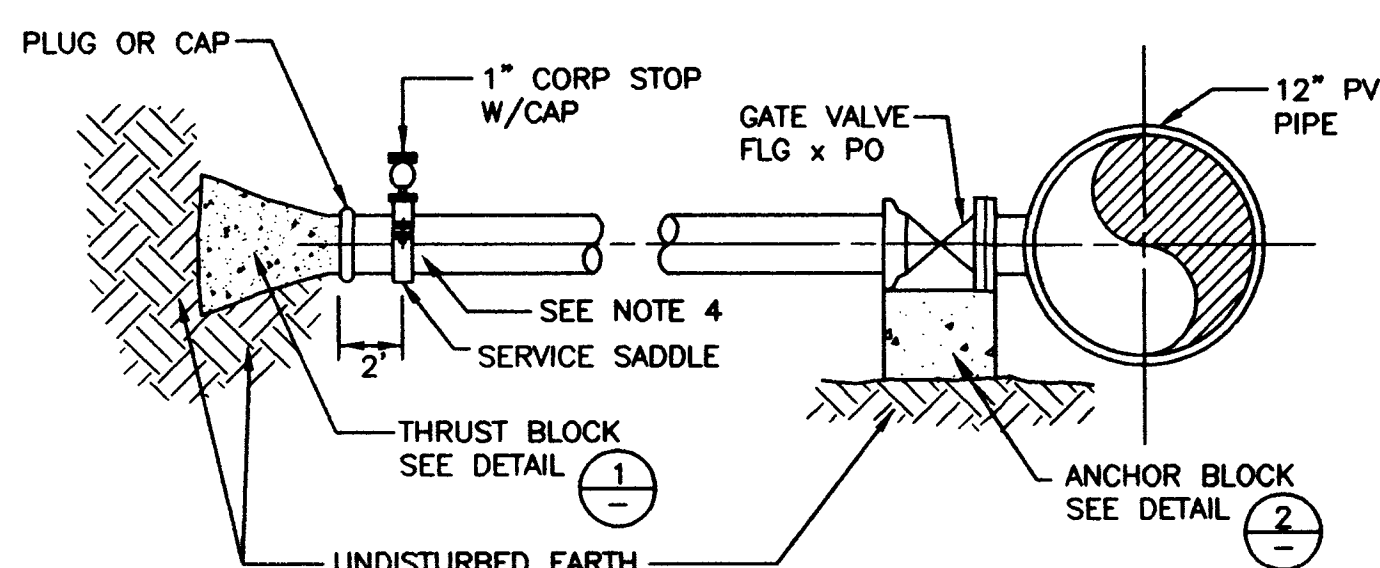
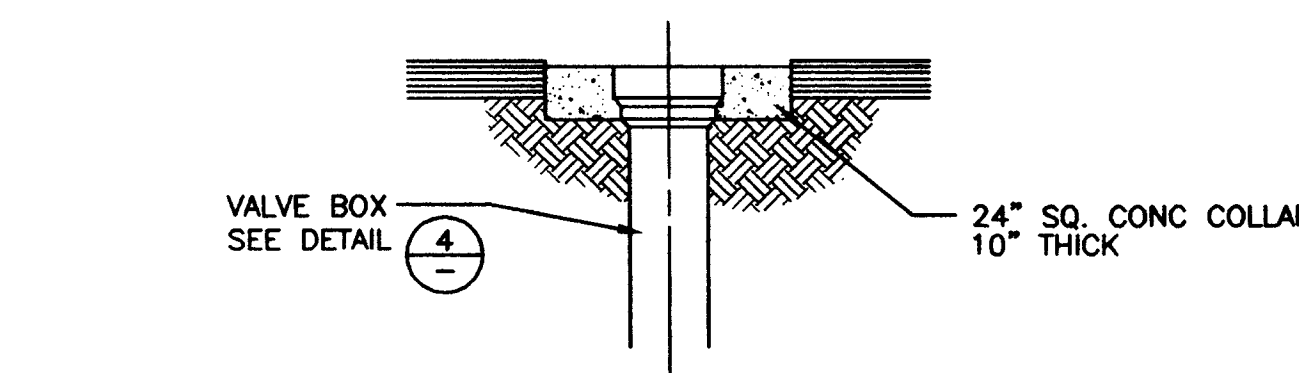
## HYDRANT ASSEMBLY DETAIL

NOT TO SCALE

6

NOTES

1. INSTALL VALVES CLOSED AND OPEN DURING TEST.
2. EPOXY COAT OUTLET AND VALVE.
3. WRAP OUTLET, VALVE AND PLUG WITH TWO LAYERS OF 8 MIL POLYETHYLENE FILM.
4. INSTALL CARSONITE MARKER (YELLOW) ADJACENT TO VALVE BOX.

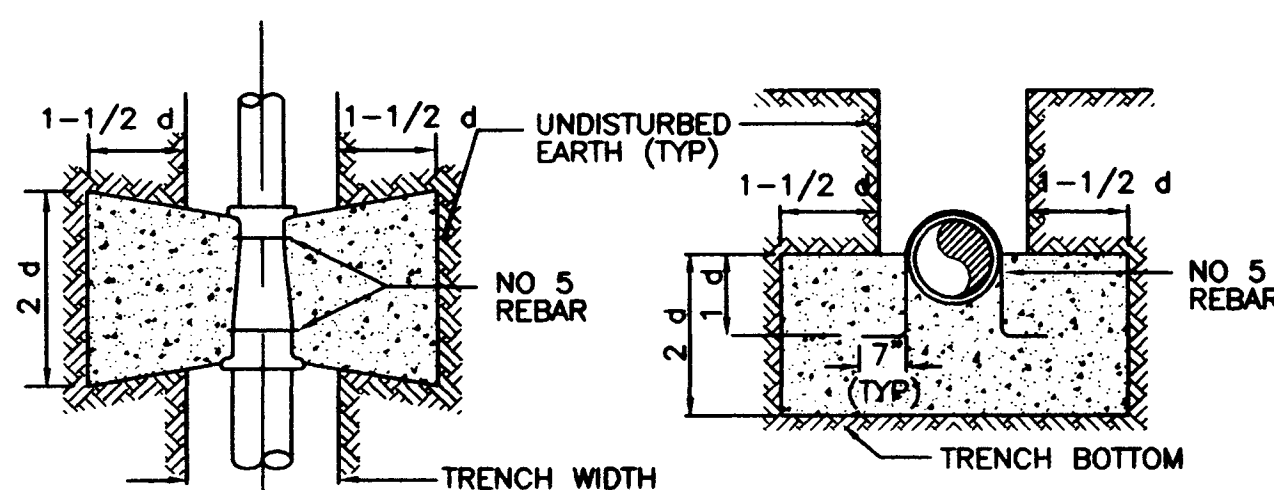


## VALVED OUTLET DETAIL

NOT TO SCALE

5

LEGEND: d = LARGER DIAMETER PIPE SIZE

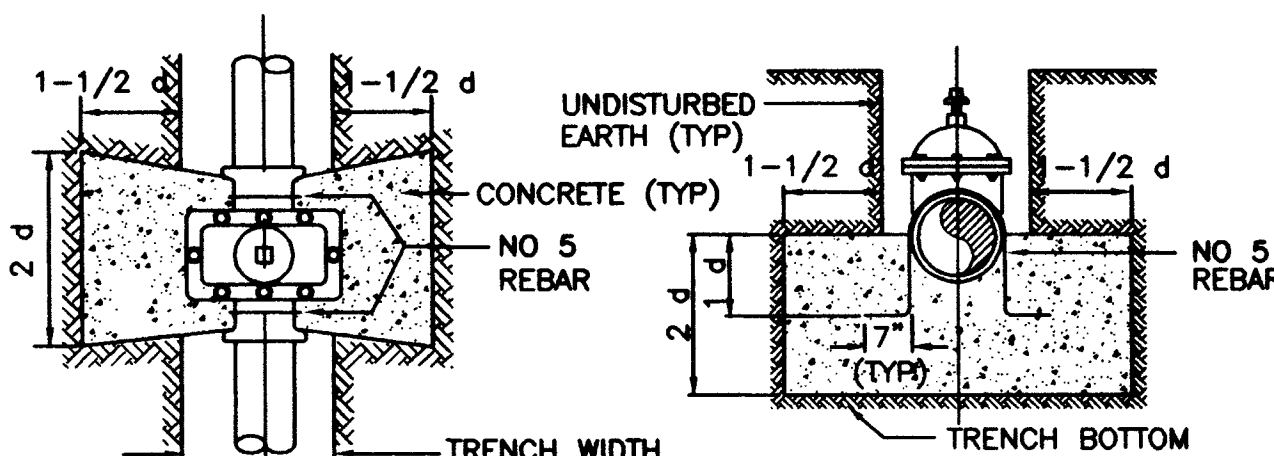


PLAN VIEW

REDUCERS

ELEVATION

LEGEND: d = NOMINAL PIPE SIZE



PLAN VIEW

GATE VALVES

ELEVATION

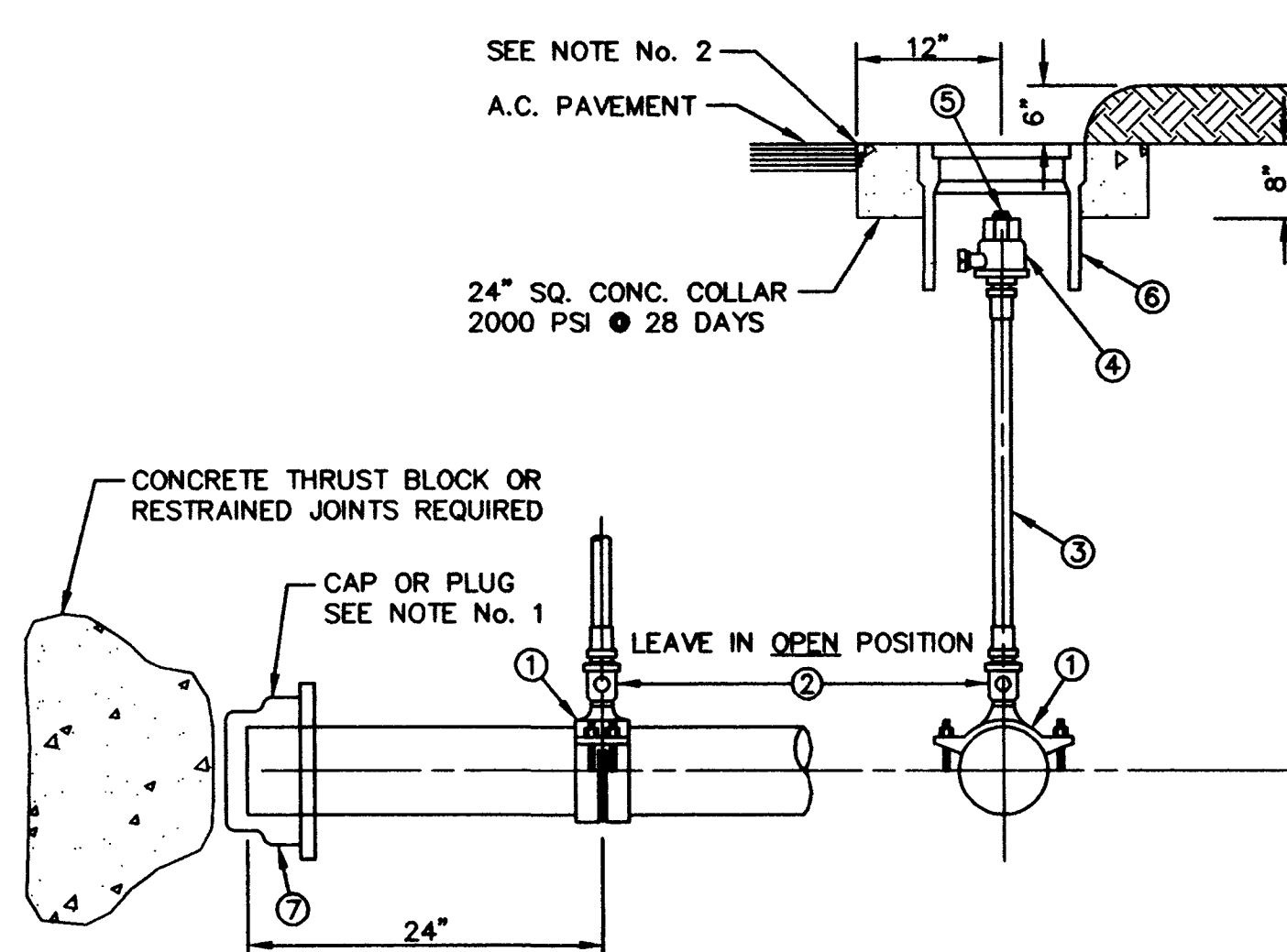
NOTES

- ALL CONCRETE SHALL BE 3000 P.S.I. MINIMUM 28 DAYS COMPRESSIVE STRENGTH
- ALL VALVES AND EXPOSED REBAR TO BE COATED AND WRAPPED IN ACCORDANCE WITH SECTION 3, PROTECTIVE COATINGS.

## ANCHOR BLOCK DETAILS FOR IN-LINE REDUCERS OR GATE VALVES

NOT TO SCALE

2



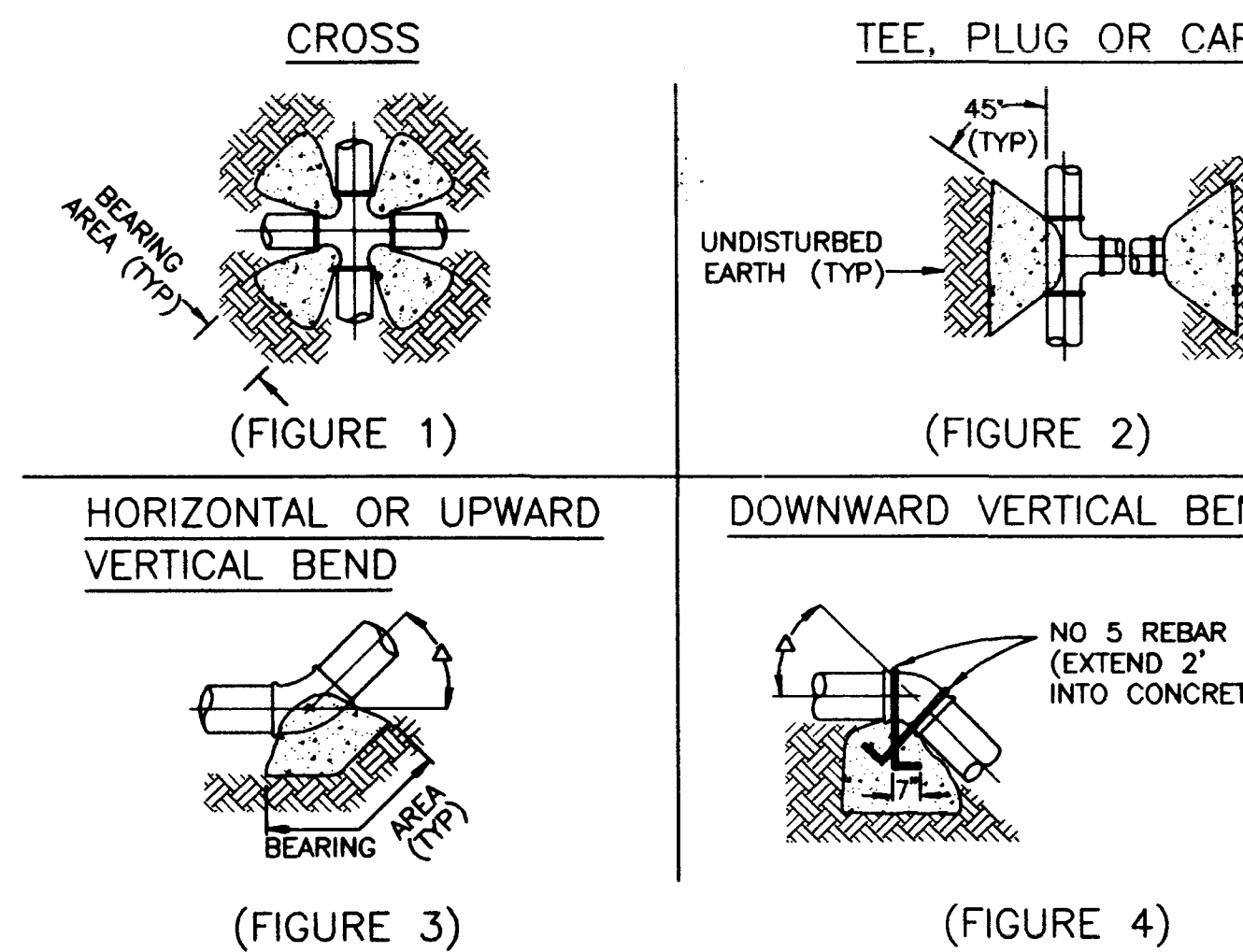
LEGEND

- ① SERVICE SADDLE
- ② CORPORATION STOP
- ③ RISER, 2 INCH STOP
- ④ CURB STOP
- ⑤ PLUG
- ⑥ TRAFFIC VALVE BOX
- ⑦ CAP OR PLUG

## 2" MANUAL BLOW-OFF ASSEMBLY FOR A.C., P.V.C. OR D.I. PIPE

NOT TO SCALE

3



HORIZONTAL OR UPWARD VERTICAL BEND

DOWNWARD VERTICAL BEND

## GENERAL NOTES

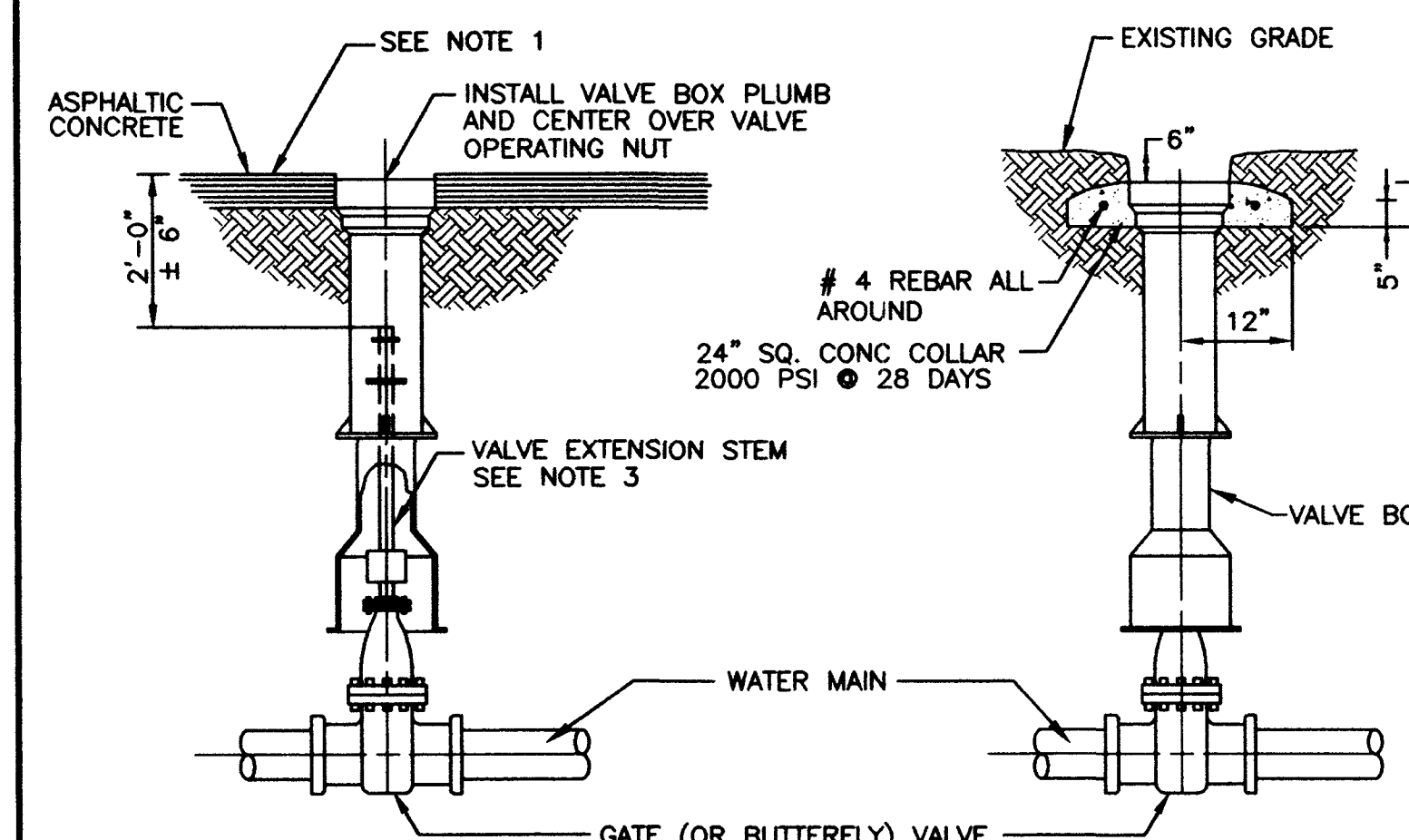
COAT AND WRAP ALL METAL SURFACES IN ACCORDANCE WITH SECTION 3, PROTECTIVE COATINGS. ALL CONCRETE SHALL BE 2000 P.S.I. MINIMUM, 28 - DAYS COMPRESSIVE STRENGTH. CONCRETE IS TO BE PLACED IN UNDISTURBED EARTH. TABLE BELOW DENOTES MINIMUM BEARING AREA OR VOLUME OF THRUST BLOCK. SPECIAL DESIGN, BY A NPPE, FOR EACH INSTALLATION IS REQUIRED IF ALLOWABLE SOIL BEARING CAPACITY IS LESS THAN 300 P.S.F. ALL VERTICAL SURFACES NOT BEARING AGAINST UNDISTURBED EARTH SHALL BE FORMED.

| PIPE ID | BEARING AREA IN SQ. FT |          |             |             |             |             | CONC./CU YDS |             |
|---------|------------------------|----------|-------------|-------------|-------------|-------------|--------------|-------------|
|         | FIGURE 1               | FIGURE 2 | FIGURE 3, Δ | FIGURE 3, Δ | FIGURE 3, Δ | FIGURE 3, Δ | FIGURE 4, Δ  | FIGURE 4, Δ |
| 4"      | 1                      | 2        | 90"         | 45"         | 22 1/2"     | 11 1/4"     | 45"          | 22 1/2"     |
| 6"      | 2                      | 3        | 4           | 2           | 1           | 1           | 1.0          | 0.5         |
| 8"      | 3                      | 5        | 7           | 4           | 2           | 1           | 1.5          | 1.0         |
| 10"     | 4                      | 8        | 10          | 6           | 3           | 1           | 2.5          | 1.5         |
| 12"     | 5                      | 10       | 14          | 8           | 4           | 2           | 4.0          | 2.5         |
| 16"     | 10                     | 20       | 24          | 12          | 7           | 4           | 5.0          | 3.0         |
| 18"     | 12                     | 24       | 30          | 16          | 10          | 5           | 8.5          | 4.5         |
| 20"     | 14                     | 28       | 40          | 20          | 12          | 6           | 11.0         | 6.0         |
|         |                        |          |             |             |             |             | 14.0         | 8.0         |

## THRUST BLOCK INSTALLATION

NOT TO SCALE

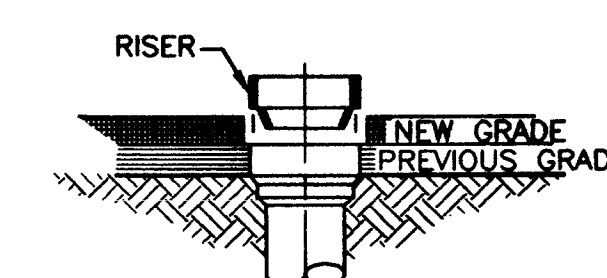
1



IMPROVED STREET INSTALLATION

UNIMPROVED STREET INSTALLATION

RAISE TOP SECTION AND/OR INSTALL RISERS AS NECESSARY.



## VALVE BOX ADJUSTMENT

## VALVE BOX INSTALLATION AND ADJUSTMENT

NOT TO SCALE

4

NOTES

1. FINAL RIM ELEVATION TO BE 1/8" TO 1/4" BELOW FINAL STREET GRADE.
2. MORE STRINGENT INSTALLATION REQUIREMENTS MAY BE IMPOSED BY THE ENTITY HAVING THE JURISDICTION OVER THE VALVE BOX INSTALLATION LOCATION.
3. A VALVE EXTENSION STEM SHALL BE PROVIDED WHERE THE DEPTH TO THE OPERATING NUT EXCEEDS FIVE (5) FEET.

LAS VEGAS VALLEY WATER DISTRICT

DATE

PACIFIC COMMUNITIES DEVELOPMENT CORPORATION  
901 N. Green Valley Pkwy.  
Suite 100  
Las Vegas, NV 89134  
Tel: 702/733-7504  
Fax: 702/733-7500  
POST: BUCKLEY, SCHUH & BERNGAN  
ENGINEERING, PLANNING, SURVEYING, CONSTRUCTION SERVICES

VERIFY SCALE  
1/2" = 1'-0"  
BAR REPRESENTS ONE AND ONE-HALF INCHES ON ORIGINAL

DURANGO DRIVE / IRON MOUNTAIN ROAD 2745 ZONE RECIRCULATION PIPELINE  
APPURTENANCES AND THRUST BLOCK AND ANCHOR BLOCK AND VALVED OUTLET DETAILS  
SCALE AS NOTED  
D:/DWG/996/R-996-D2.DWG Plot: 9-04-97 12:00 PM

DRAWN BY: 09/04/97  
CHECKED BY: 09/04/97  
RECOMMENDED BY: 09/04/97  
LOUIS A. ATWELL  
R.P.E. NO. DATE  
12112  
10583  
R.P.E. NO. DATE  
12112  
10583

PROFESSIONAL ENGINEER-STATE OF NEVADA  
LOUIS A. ATWELL  
No. 12112

CONTRACT NUMBER

DRAWING NUMBER D2  
SHEET 28 OF 32

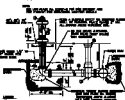
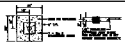
565-294



© 1999 by The American Psychological Association  
0893-3200/99/\$12.00  
DOI: 10.1037/0893-3200.13.1.10

**DISPATCHED BY FAX TO:**

### FIRE HYDRANT INSTALLATION



1. THE UNITED STATES OF AMERICA  
2. OF THE DISTRICT OF COLUMBIA  
3. IN THE SUPREME COURT OF THE DISTRICT OF COLUMBIA  
4. THE PEOPLE OF THE DISTRICT OF COLUMBIA  
5. VS. THE DISTRICT OF COLUMBIA

**END MEMPHIS JOURNAL**

1. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE CITY OF LOS ANGELES  
THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS, THE LATEST EDITION  
AND THE STANDARD SPECIFICATIONS FOR THE STATE OF CALIFORNIA.

2. IF THE CONTRACTOR SHALL BE MORE THAN TWO (2) MILES AWAY AT THE  
END OF THE WORKING DAY.

3. FURTHER AND NOT TO EXCEED 4% SHALL BE THE MAXIMUM PERCENTAGE  
FOR ANYTHING BUT GRASS OR A  
GRASS TO SOIL RATIO.

HYDRAULIC ASSEMBLY DETAIL. 

**NEWS**  
AN INQUIRY WILL BE MADE FOR THE YEAR IN THE SUPPLEMENTAL FORM

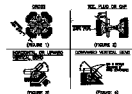
ANCHOR BOLT DETAILS FOR  
PRECAST CONCRETE ON CAST-IN-PLACE  
CONCRETE



SEEKING THE TRUTH IS AN ADVENTURE INTO THE UNKNOWN. IT IS A JOURNEY OF DISCOVERY, OF EXPLORATION, OF GROWTH. IT IS A JOURNEY THAT LEADS TO THE HEART OF MATTER, TO THE CORE OF OUR BEING. IT IS A JOURNEY THAT LEADS TO THE TRUTH, TO THE TRUTH THAT WE ARE ALL PART OF THE SAME WHOLE, TO THE TRUTH THAT WE ARE ALL CONNECTED, TO THE TRUTH THAT WE ARE ALL ONE.

1. RECEIVED  
2. RECEIVED  
3. RECEIVED  
4. RECEIVED  
5. RECEIVED  
6. RECEIVED  
7. RECEIVED  
8. RECEIVED  
9. RECEIVED  
10. RECEIVED  
11. RECEIVED  
12. RECEIVED  
13. RECEIVED  
14. RECEIVED  
15. RECEIVED  
16. RECEIVED  
17. RECEIVED  
18. RECEIVED  
19. RECEIVED  
20. RECEIVED  
21. RECEIVED  
22. RECEIVED  
23. RECEIVED  
24. RECEIVED  
25. RECEIVED  
26. RECEIVED  
27. RECEIVED  
28. RECEIVED  
29. RECEIVED  
30. RECEIVED  
31. RECEIVED  
32. RECEIVED  
33. RECEIVED  
34. RECEIVED  
35. RECEIVED  
36. RECEIVED  
37. RECEIVED  
38. RECEIVED  
39. RECEIVED  
40. RECEIVED  
41. RECEIVED  
42. RECEIVED  
43. RECEIVED  
44. RECEIVED  
45. RECEIVED  
46. RECEIVED  
47. RECEIVED  
48. RECEIVED  
49. RECEIVED  
50. RECEIVED  
51. RECEIVED  
52. RECEIVED  
53. RECEIVED  
54. RECEIVED  
55. RECEIVED  
56. RECEIVED  
57. RECEIVED  
58. RECEIVED  
59. RECEIVED  
60. RECEIVED  
61. RECEIVED  
62. RECEIVED  
63. RECEIVED  
64. RECEIVED  
65. RECEIVED  
66. RECEIVED  
67. RECEIVED  
68. RECEIVED  
69. RECEIVED  
70. RECEIVED  
71. RECEIVED  
72. RECEIVED  
73. RECEIVED  
74. RECEIVED  
75. RECEIVED  
76. RECEIVED  
77. RECEIVED  
78. RECEIVED  
79. RECEIVED  
80. RECEIVED  
81. RECEIVED  
82. RECEIVED  
83. RECEIVED  
84. RECEIVED  
85. RECEIVED  
86. RECEIVED  
87. RECEIVED  
88. RECEIVED  
89. RECEIVED  
90. RECEIVED  
91. RECEIVED  
92. RECEIVED  
93. RECEIVED  
94. RECEIVED  
95. RECEIVED  
96. RECEIVED  
97. RECEIVED  
98. RECEIVED  
99. RECEIVED  
100. RECEIVED

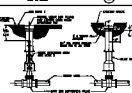
**FAMOUS BLOW-OFF ANTIPLUG**   
**FOR AG, FIVE OR SIX POK**  
SEE US SOON



**SECURITY MATTER**

| Year | Domestic sales in '000 '77 |      |      |      | Exports in '000 |      |      |      |
|------|----------------------------|------|------|------|-----------------|------|------|------|
|      | 1977                       | 1978 | 1979 | 1980 | 1977            | 1978 | 1979 | 1980 |
| 1977 | 1                          | 1    | 1    | 1    | 1               | 1    | 1    | 1    |
| 1978 | 1                          | 1    | 1    | 1    | 1               | 1    | 1    | 1    |
| 1979 | 1                          | 1    | 1    | 1    | 1               | 1    | 1    | 1    |
| 1980 | 1                          | 1    | 1    | 1    | 1               | 1    | 1    | 1    |
| 1981 | 1                          | 1    | 1    | 1    | 1               | 1    | 1    | 1    |
| 1982 | 1                          | 1    | 1    | 1    | 1               | 1    | 1    | 1    |
| 1983 | 1                          | 1    | 1    | 1    | 1               | 1    | 1    | 1    |
| 1984 | 1                          | 1    | 1    | 1    | 1               | 1    | 1    | 1    |
| 1985 | 1                          | 1    | 1    | 1    | 1               | 1    | 1    | 1    |
| 1986 | 1                          | 1    | 1    | 1    | 1               | 1    | 1    | 1    |
| 1987 | 1                          | 1    | 1    | 1    | 1               | 1    | 1    | 1    |
| 1988 | 1                          | 1    | 1    | 1    | 1               | 1    | 1    | 1    |
| 1989 | 1                          | 1    | 1    | 1    | 1               | 1    | 1    | 1    |
| 1990 | 1                          | 1    | 1    | 1    | 1               | 1    | 1    | 1    |
| 1991 | 1                          | 1    | 1    | 1    | 1               | 1    | 1    | 1    |
| 1992 | 1                          | 1    | 1    | 1    | 1               | 1    | 1    | 1    |
| 1993 | 1                          | 1    | 1    | 1    | 1               | 1    | 1    | 1    |
| 1994 | 1                          | 1    | 1    | 1    | 1               | 1    | 1    | 1    |
| 1995 | 1                          | 1    | 1    | 1    | 1               | 1    | 1    | 1    |
| 1996 | 1                          | 1    | 1    | 1    | 1               | 1    | 1    | 1    |
| 1997 | 1                          | 1    | 1    | 1    | 1               | 1    | 1    | 1    |
| 1998 | 1                          | 1    | 1    | 1    | 1               | 1    | 1    | 1    |
| 1999 | 1                          | 1    | 1    | 1    | 1               | 1    | 1    | 1    |
| 2000 | 1                          | 1    | 1    | 1    | 1               | 1    | 1    | 1    |
| 2001 | 1                          | 1    | 1    | 1    | 1               | 1    | 1    | 1    |
| 2002 | 1                          | 1    | 1    | 1    | 1               | 1    | 1    | 1    |
| 2003 | 1                          | 1    | 1    | 1    | 1               | 1    | 1    | 1    |
| 2004 | 1                          | 1    | 1    | 1    | 1               | 1    | 1    | 1    |
| 2005 | 1                          | 1    | 1    | 1    | 1               | 1    | 1    | 1    |
| 2006 | 1                          | 1    | 1    | 1    | 1               | 1    | 1    | 1    |
| 2007 | 1                          | 1    | 1    | 1    | 1               | 1    | 1    | 1    |
| 2008 | 1                          | 1    | 1    | 1    | 1               | 1    | 1    | 1    |
| 2009 | 1                          | 1    | 1    | 1    | 1               | 1    | 1    | 1    |
| 2010 | 1                          | 1    | 1    | 1    | 1               | 1    | 1    | 1    |
| 2011 | 1                          | 1    | 1    | 1    | 1               | 1    | 1    | 1    |
| 2012 | 1                          | 1    | 1    | 1    | 1               | 1    | 1    | 1    |
| 2013 | 1                          | 1    | 1    | 1    | 1               | 1    | 1    | 1    |
| 2014 | 1                          | 1    | 1    | 1    | 1               | 1    | 1    | 1    |
| 2015 | 1                          | 1    | 1    | 1    | 1               | 1    | 1    | 1    |
| 2016 | 1                          | 1    | 1    | 1    | 1               | 1    | 1    | 1    |
| 2017 | 1                          | 1    | 1    | 1    | 1               | 1    | 1    | 1    |
| 2018 | 1                          | 1    | 1    | 1    | 1               | 1    | 1    | 1    |
| 2019 | 1                          | 1    | 1    | 1    | 1               | 1    | 1    | 1    |
| 2020 | 1                          | 1    | 1    | 1    | 1               | 1    | 1    | 1    |
| 2021 | 1                          | 1    | 1    | 1    | 1               | 1    | 1    | 1    |
| 2022 | 1                          | 1    | 1    | 1    | 1               | 1    | 1    | 1    |
| 2023 | 1                          | 1    | 1    | 1    | 1               | 1    | 1    | 1    |
| 2024 | 1                          | 1    | 1    | 1    | 1               | 1    | 1    | 1    |
| 2025 | 1                          | 1    | 1    | 1    | 1               | 1    | 1    | 1    |
| 2026 | 1                          | 1    | 1    | 1    | 1               | 1    | 1    | 1    |
| 2027 | 1                          | 1    | 1    | 1    | 1               | 1    | 1    | 1    |
| 2028 | 1                          | 1    | 1    | 1    | 1               | 1    | 1    | 1    |
| 2029 | 1                          | 1    | 1    | 1    | 1               | 1    | 1    | 1    |
| 2030 | 1                          | 1    | 1    | 1    | 1               | 1    | 1    | 1    |

THYROID BLOCK WITH LATION 



IMPROVED STREET ILLUMINATION IMPROVED STREET PAVING



© 2006 The Authors  
Journal compilation © 2006 Blackwell Publishing Ltd