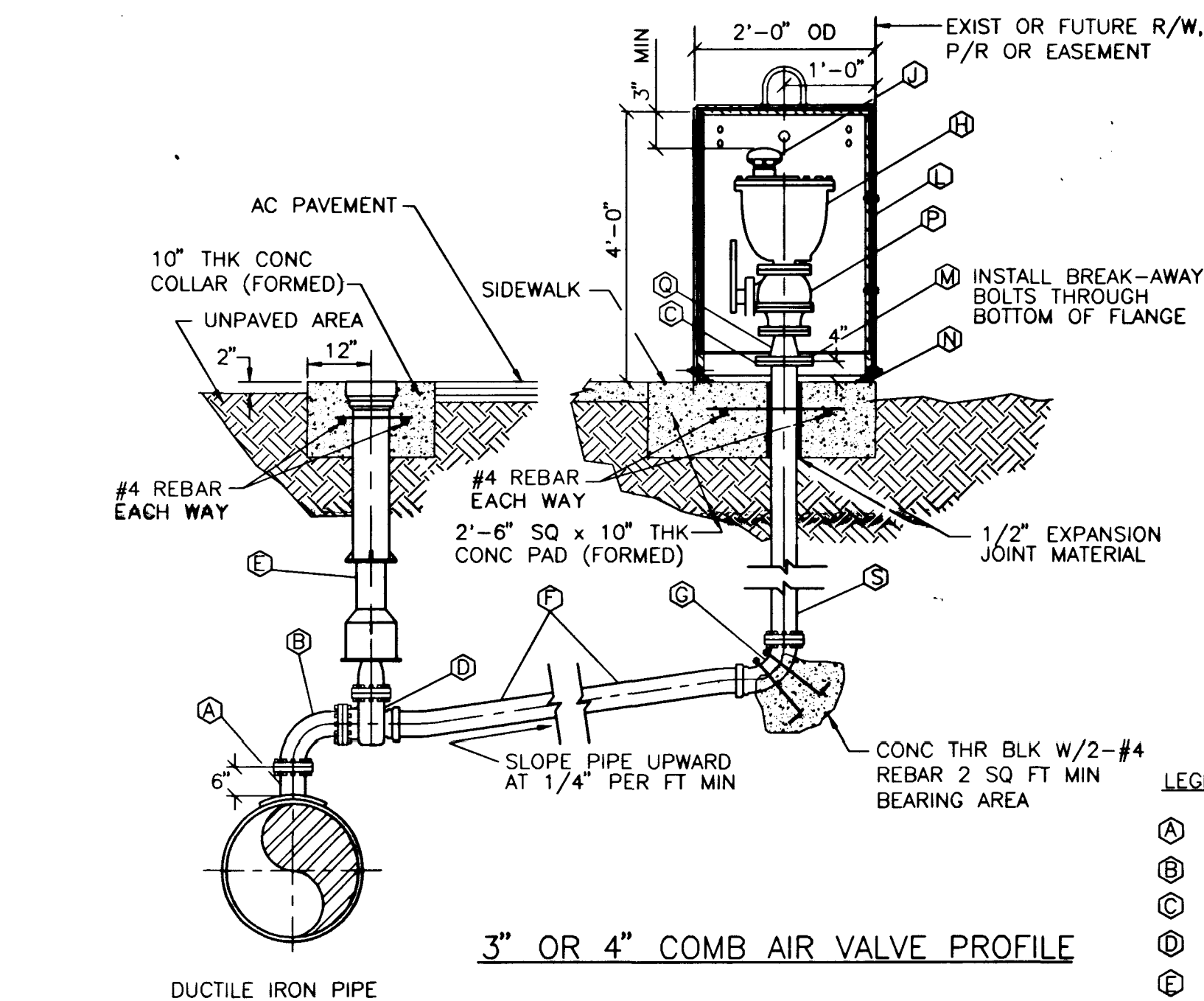
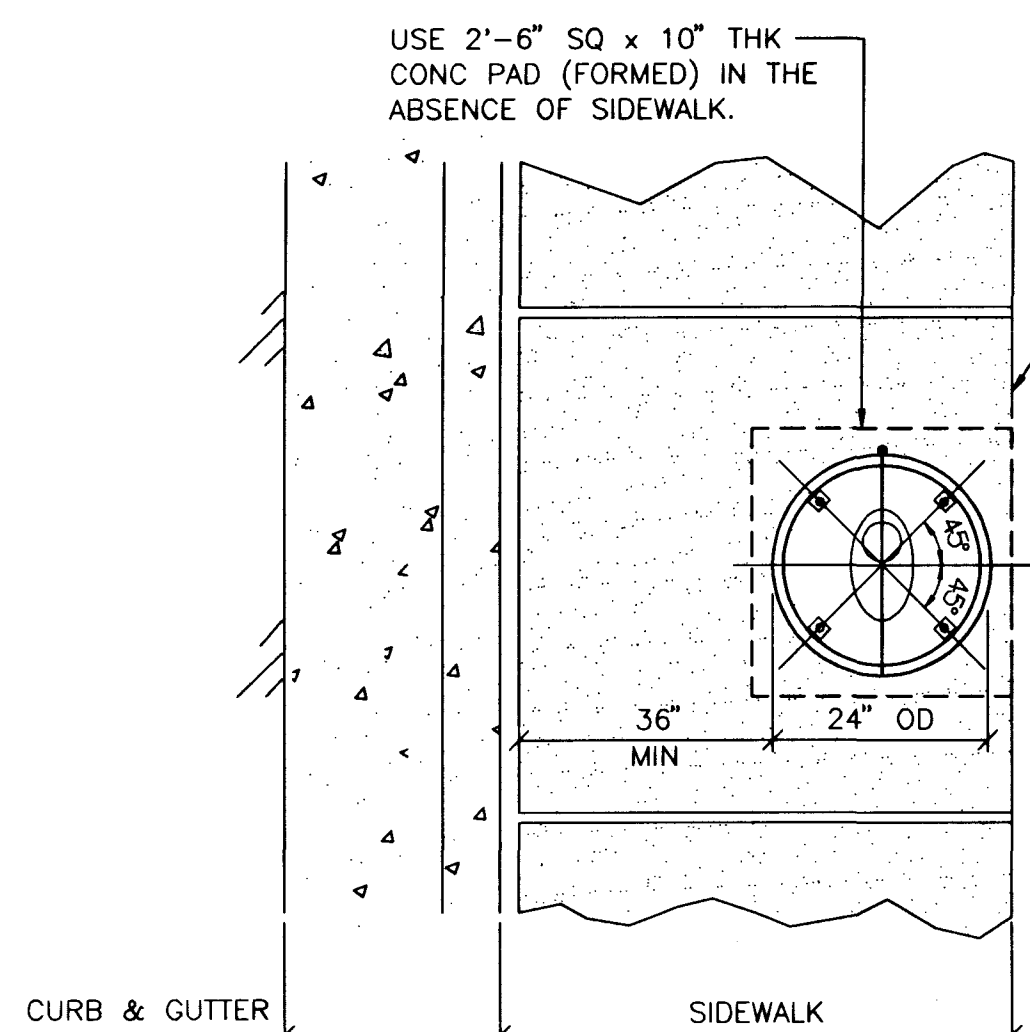


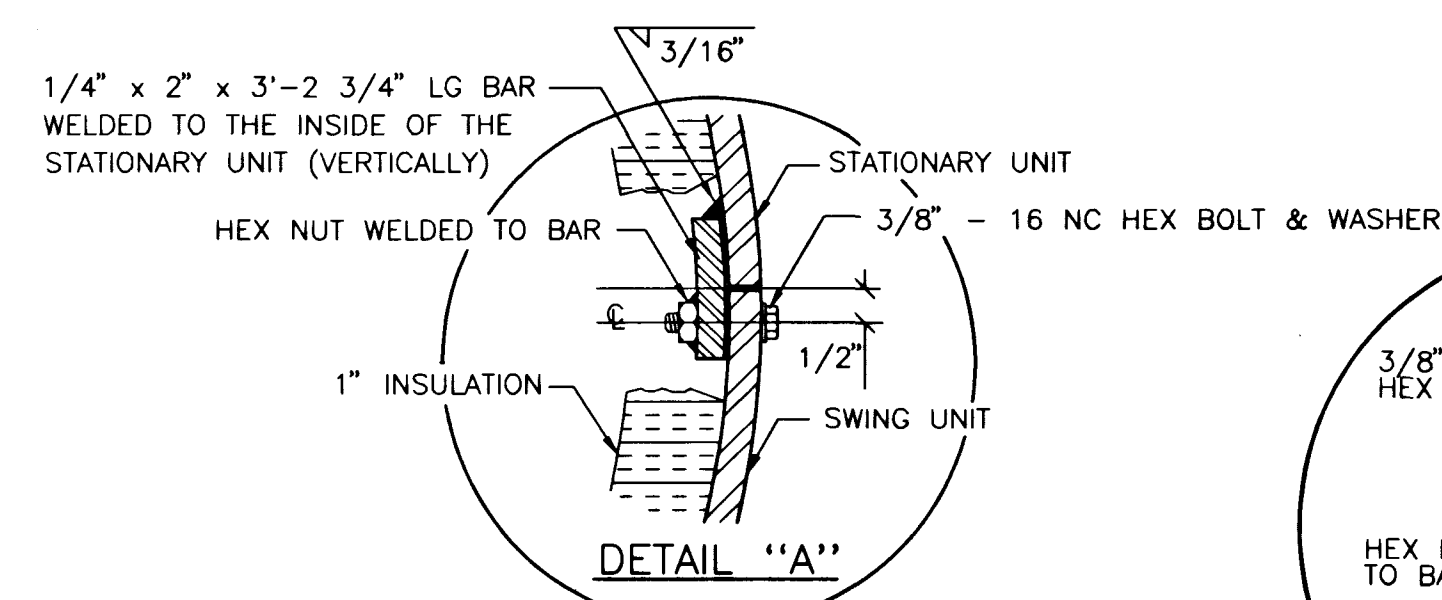


3" OR 4" COMB AIR VALVE PROFILE

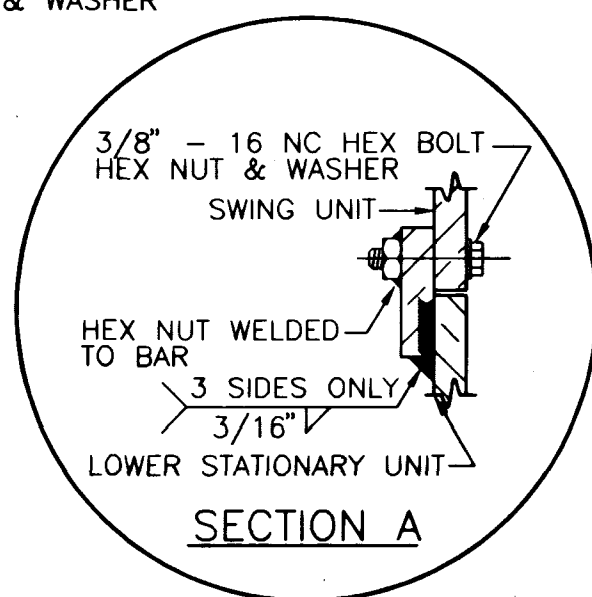


NOTES

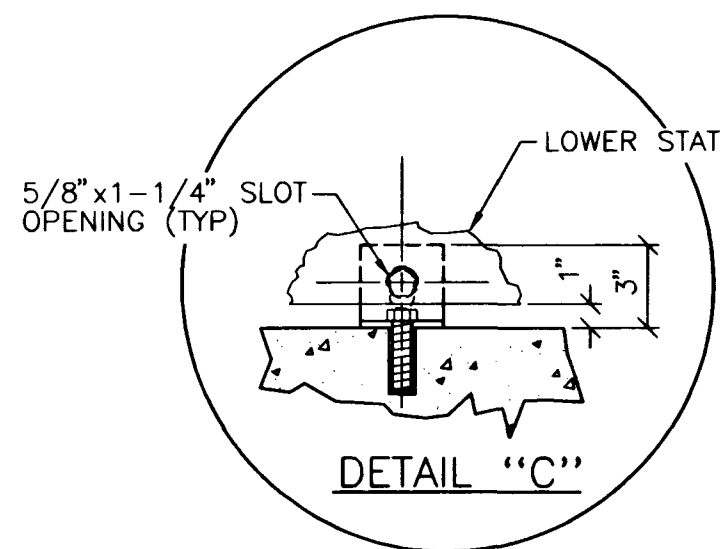
IN IMPROVED AREAS CONTRACTOR TO REPLACE FULL SIDEWALK PANEL.
IN UNIMPROVED AREAS CONTRACTOR TO CONSTRUCT FORMED
2'-6" SQ x 10" THICK CONCRETE SLAB.



DETAIL "A"



DETAIL "B"



DETAIL "C"

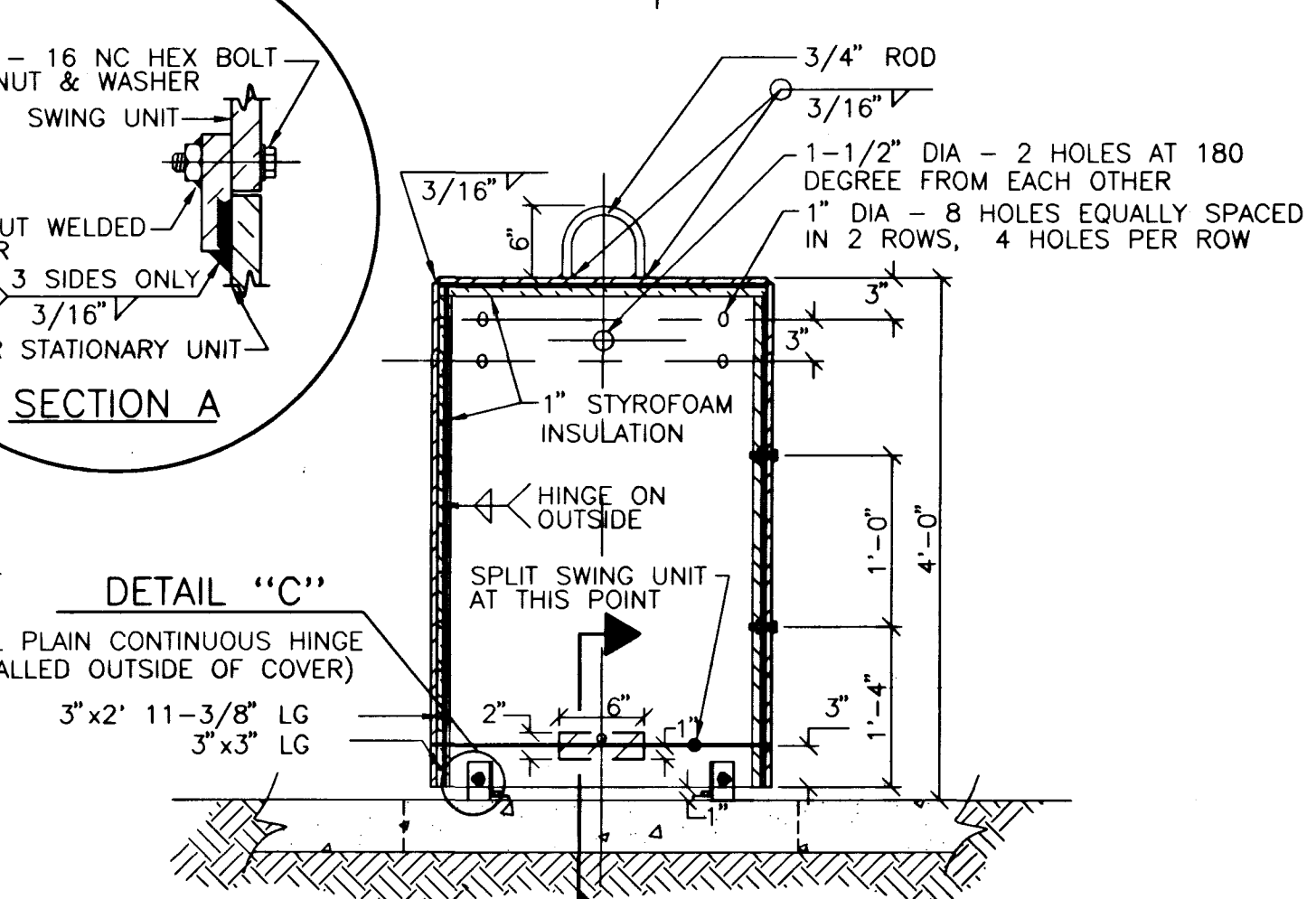
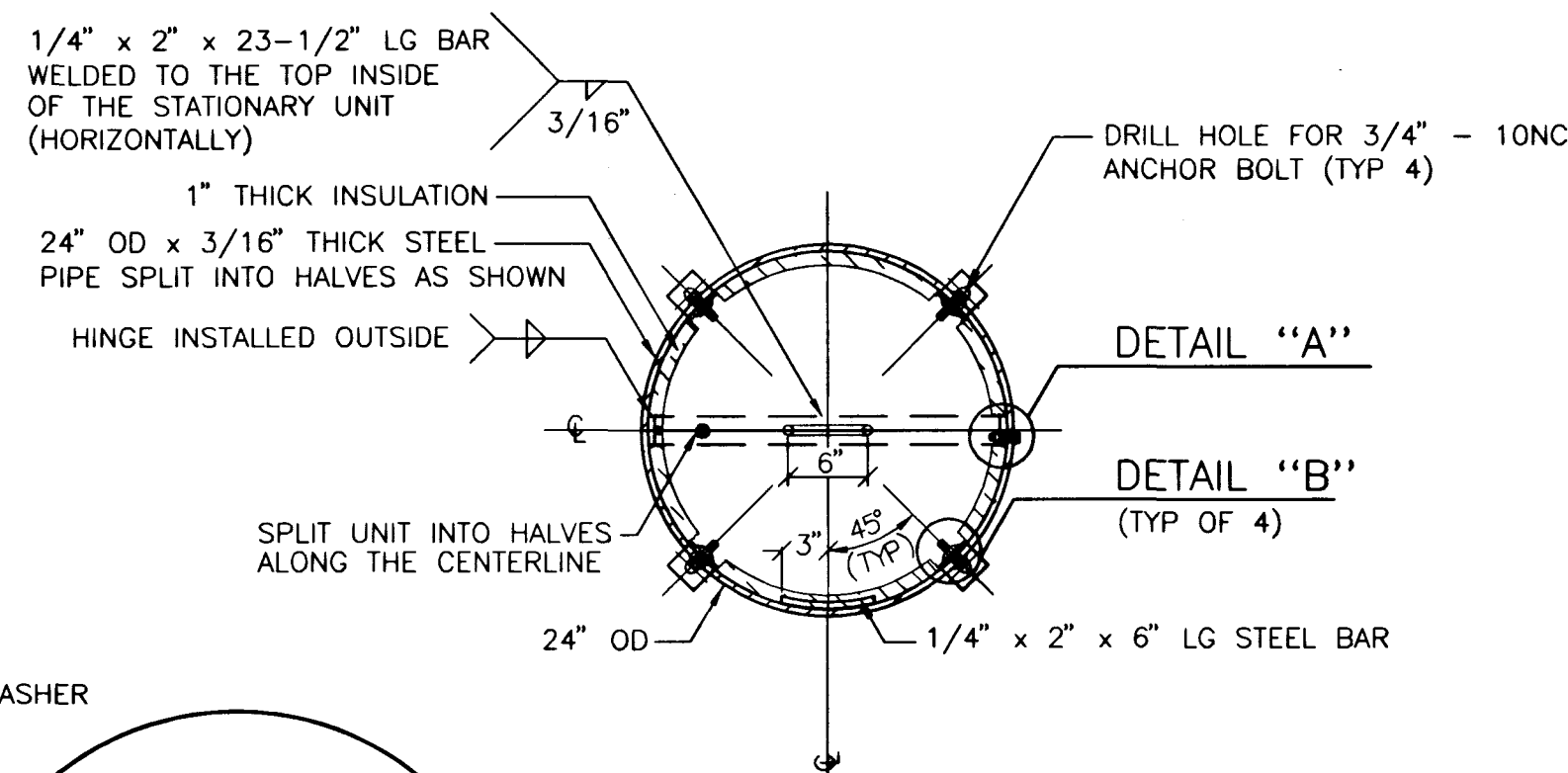
NOTE
ALL EXPOSED FERROUS METAL SHALL BE COATED PER
SPECS SEC 1504. EXTERIOR COLOR TO BE WHITE.

COMBINATION AIR VALVE ASSEMBLY FOR 1", 2", 3", AND 4" VALVES

NOT TO SCALE PL09-1 073197

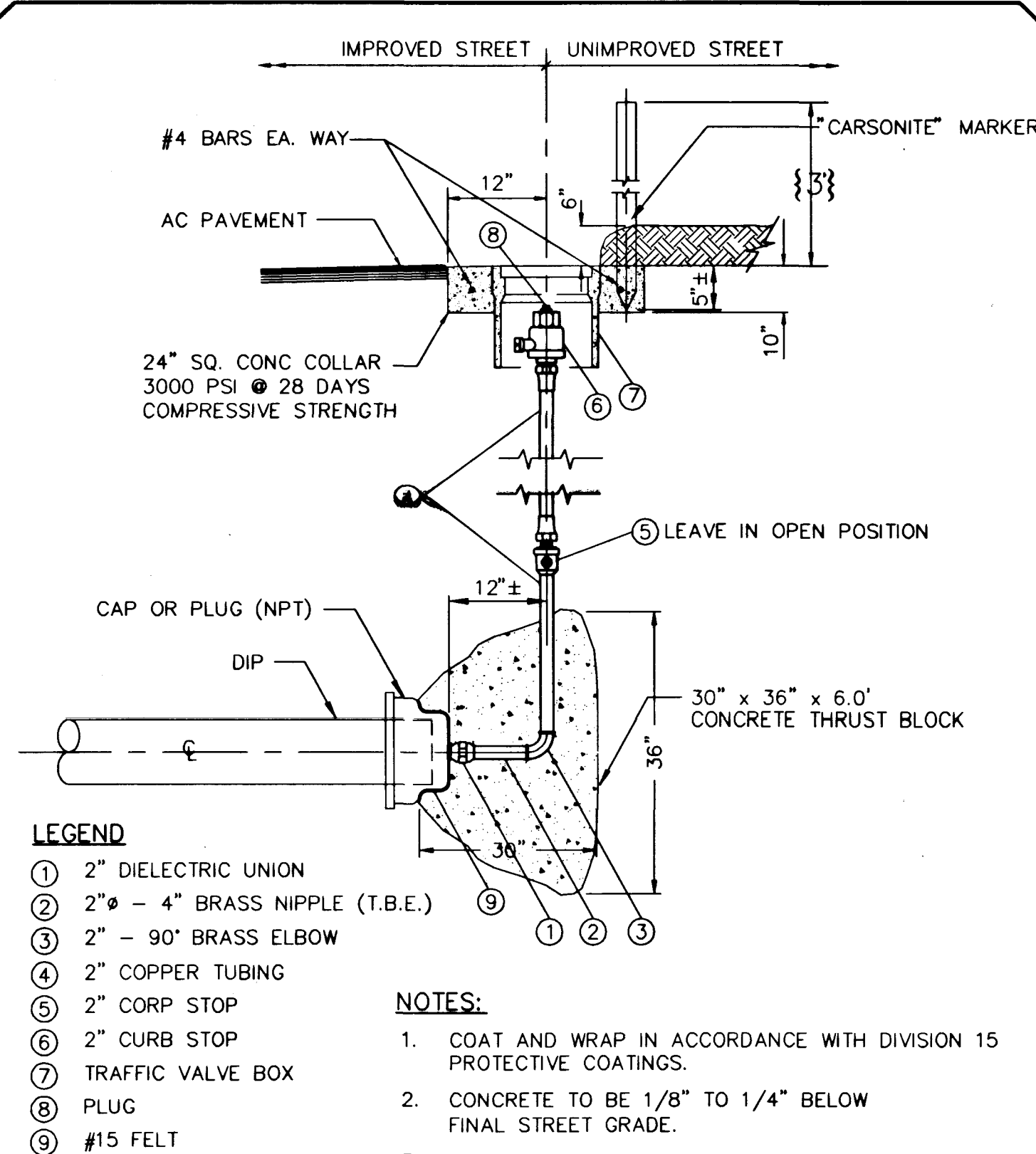
- LEGEND**
- (A) 24" x 4" FLG TEE FOR DIP
 - (B) 4" - 90° FLG DUCTILE IRON BEND
 - (C) 4" DUCTILE IRON FLANGE ADAPTOR
 - (D) 4" FLG x PO OR FLG x MJ GATE VALVE W/2" OPERATING NUT
 - (E) VALVE BOX & COVER - SEE DETAIL (PL10-6)
 - (F) 4" DUCTILE IRON CL50 PIPE OR 4" PVC CL150 DR18 PIPE
 - (G) 4" - 90° FLG x PO OR FLG x MJ CI BEND
 - (H) 3" OR 4" COMBINATION AIR VALVE, FLANGED INLET
 - (I) 1" OR 2" COMBINATION AIR VALVE, THREADED INLET
 - (J) 3" OR 4" MUSHROOM FOR 4" OR 3" COMBINATION AIR VALVE ASSY
 - (K) 1" OR 2" MUSHROOM FOR 2" OR 1" COMBINATION AIR VALVE ASSY
 - (L) 2'-0" OD x 3'-6" HIGH STEEL COVER
 - (M) 5/8"-11NC BREAK-AWAY ZINC PLATED HEX HD BOLT, HEX NUT AND LOCKWASHER
 - (N) 1/2"-13NC x 2-1/2" LG "RED HEAD" ANCHOR BOLT INSTALLED OUTSIDE
 - (O) 1" OR 2" CORP STOP, THREADED BOTH ENDS
 - (P) 3" OR 4" BALL VALVE - QUARTER TURN - FOR 4" OR 3" COMB AIR VALVE ASSY
 - (Q) 4" x 3" FLG DUCTILE IRON REDUCER - FOR 3" COMB AIR VALVE ASSY
 - (R) 4" x 2" OR 4" x 1" THREADED STL REDUCING FLANGE
 - (S) 4" DUCTILE IRON CL50 PIPE

NOTE SEE SPECIFICATIONS FOR ALL APPROVED PRODUCTS



DETAIL "C"

DRAWING NOTE:
USE ONLY THE APPROPRIATE DRAWING(S)
AND DESCRIPTIONS FOR SELECTED SIZE OF
COMBINATION AIR VALVE ASSEMBLY.



LEGEND

- (1) 2" DIELECTRIC UNION
- (2) 2" - 4" BRASS NIPPLE (T.B.E.)
- (3) 2" - 90° BRASS ELBOW
- (4) 2" COPPER TUBING
- (5) 2" CORP STOP
- (6) 2" CURB STOP
- (7) TRAFFIC VALVE BOX
- (8) PLUG
- (9) #15 FELT

NOTES:

1. COAT AND WRAP IN ACCORDANCE WITH DIVISION 15
PROTECTIVE COATINGS.
2. CONCRETE TO BE 1/8" TO 1/4" BELOW
FINAL STREET GRADE.
3. REFER TO LVVWD PRE-APPROVED PRODUCTS MASTER
LISTING FOR COMPLETE DESCRIPTION OF CONTENTS.
4. ALL MATERIALS SHALL BE IN ACCORDANCE WITH
THE SPECIFICATIONS.

2" MANUAL BLOW-OFF ASSEMBLY FOR:
4" THROUGH 24" DI PIPE

2" MANUAL AIR RELEASE ASSEMBLY (ALTERNATE METHOD)

NOT TO SCALE PL10-3 102797

GENERAL NOTES

1. ALL TEST LEADS AND ANODE LEADS SHALL BE ATTACHED TO THE DIP CYLINDER OF THE
PIPE BY MEANS OF A THERMITE WELD OR ENGINEER APPROVED EQUAL.
2. ALL TEST LEADS AND ANODE LEADS SHALL BE ATTACHED TO EITHER THE PIPELINE'S BELL
END, SPIGOT END OR PLAIN END AS SHOWN ON THE DRAWING.
3. ALL EXPOSED PORTIONS OF THE THERMITE WELD AND COPPER CABLE CONDUCTORS SHALL
BE COATED WITH A "SCOTCHCOAT" 4 INSULATING RESIN PRIOR TO PLACING GROUT AROUND
THE PIPELINE JOINT.
4. ALL TEST LEADS AND ANODE LEADS SHALL BE RUN WITHOUT SPLICES FROM THE
CONNECTION AT THE PIPE TO THE CONNECTION AT THE TEST STATION BOX.
5. ALL TEST LEADS AND ANODE TEST LEADS INSIDE THE TEST BOX SHALL BE BUNDLED
TOGETHER AT 8 INCH INTERVALS WITH NYLON CABLE TIES. ALL TEST STATION LEADS SHALL
BE PROVIDED WITH SUFFICIENT SLACK SO THAT THE TEST BOARD MAY BE EXTENDED A
MINIMUM OF 4 FEET ABOVE THE TEST BOX.
6. ALL TEST LEADS AND ANODE LEADS SHALL BE COLOR CODED WITH COLORED TAPE AT EACH
END AND AT 4 FOOT INTERVALS. COLOR CODE SHALL BE AS FOLLOWS:
TEST STATION LEADS FROM PIPE - WHITE
REFERENCE CELL TEST LEADS - RED
ANODE TEST LEADS - GREEN
TEST LEAD
7. ALL TEST LEADS AND ANODE LEADS SHALL BE CONNECTED TO THE BRASS BOLTS ON THE
TEST BOARD WITH SOLDERLESS SCREW TIGHT COPPER LUG CONNECTORS OR PRESSURE
TERMINAL CONNECTORS.
8. ALL TEST LEADS AND ANODE TEST LEADS SHALL HAVE A MINIMUM OF 4' OF SLACK NEAR
THE PIPE JOINT TO PREVENT DAMAGE DURING THE BACKFILL OPERATION.
9. ALL TEST LEADS AND ANODE TEST LEADS SHALL BE PLACED ALONG THE SIDE AND BELOW
THE SPRINGLINE OF THE PIPE.

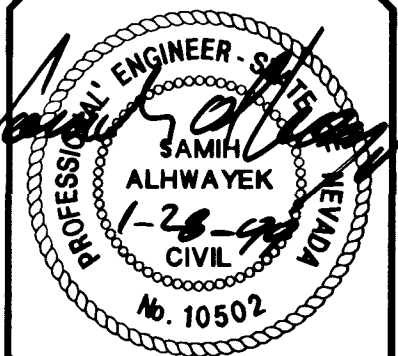
MOUNTAIN SPA RESIDENTIAL DEVELOPMENT, LLC.
2810 WEST CHARLESTON, F-58
LAS VEGAS, NV, 89146
(702) 870-1234

PENTACORE
CIVIL ENGINEERING & PLANNING
CONSTRUCTION MANAGEMENT & ADV CONSULTING
LAS VEGAS, NEVADA 89146 (702) 228-0115

WATER DETAILS

MOUNTAIN SPA
UNIT2 IMPROVEMENTS

DATE :	JAN. 99	LG
DRAWN BY :	PAV	
DESIGNED BY :		
CHECKED BY :		
ADA CHECKED :		
JOB NO. :	01560200	
SCALE :	NONE	



APPROVED FOR CONSTRUCTION
LAS VEGAS VALLEY WATER DISTRICT
1/29/99
DATE

SHEET
15
OF 15
CLV. DWG.#107Y-4344-2

