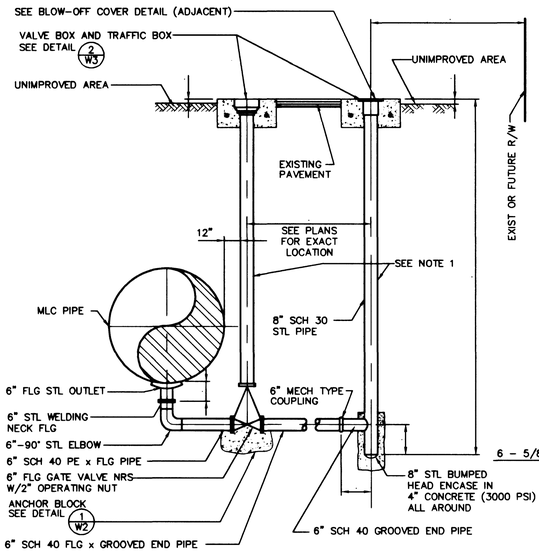
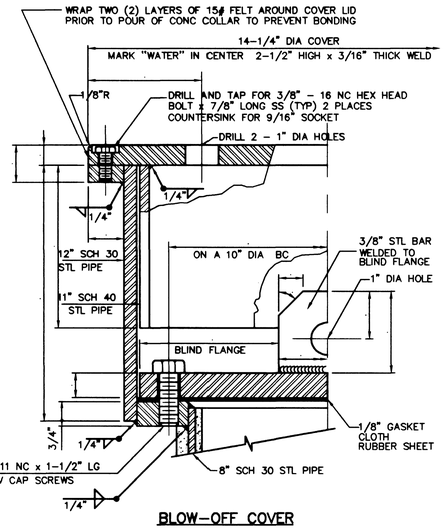


BLOW-OFF ASSEMBLY



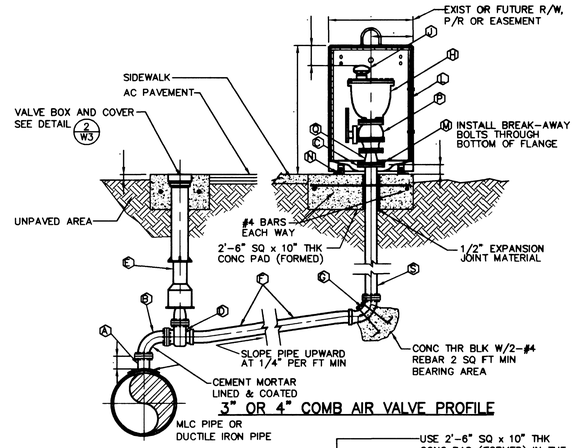
BLOW-OFF COVER

NOTES

1. IN ORDER TO AVOID UNDUE STRESS ON THE VALVE BOX, VALVE AND BLOW-OFF ASSEMBLY THEY MUST BE PROPERLY SUPPORTED UNTIL THE BACK FILL OPERATION IS COMPLETED.
2. ALL 6" AND 8" STEEL PIPES AND FITTINGS SHALL HAVE CEMENT MORTAR LINING AND COATING.
3. ALL CONCRETE TO BE 1/8" TO 1/4" BELOW FINAL STREET GRADE.

1 BLOW-OFF ASSEMBLY AND COVER DETAIL

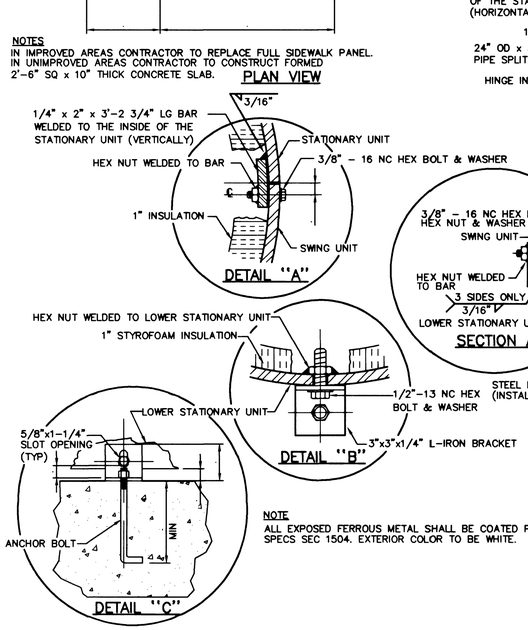
NOT TO SCALE



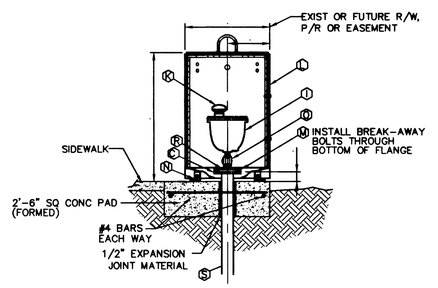
3" OR 4" COMB AIR VALVE PROFILE

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.

PLAN VIEW



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

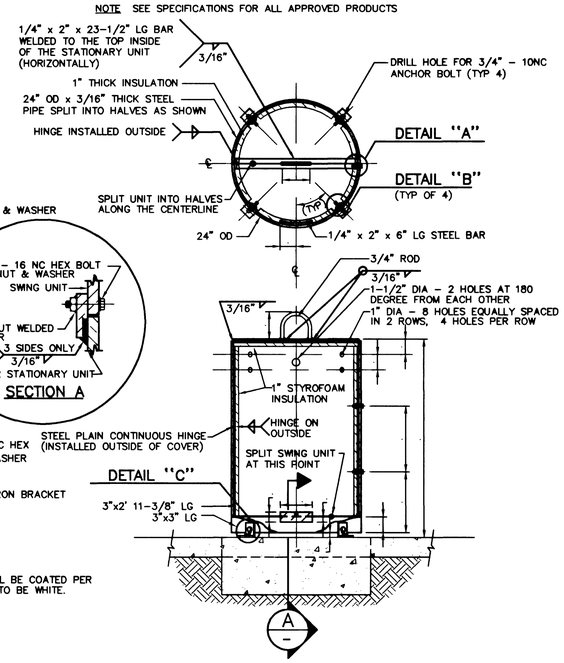


1" OR 2" COMB AIR VALVE PROFILE

LEGEND

- (A) 4" FLG STL OUTLET FOR MLC STL PIPE, FLAG 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 AND COVER - SEE DETAIL 2/W3
- (F) 4" DUCTILE IRON PC350 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 3" OR 4" COMBINATION AIR VALVE ASSY
- (K) 1" OR 2" MUSHROOM FOR 1" OR 2" COMBINATION AIR VALVE ASSY
- (L) 2'-0" OD x 4'-0" HIGH STEEL COVER
- (M) 5/8"-11NC BREAK-AWAY ZINC PLATED HEX HD BOLT, HEX NUT AND LOCK WASHER
- (N) 1/2" X 8" ANCHOR BOLT
- (O) 1" OR 2" CORP STOP, THREADED BOTH ENDS
- (P) 3" OR 4" BALL VALVE - QUARTER TURN - FOR 3" OR 4" 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 PC350 PIPE

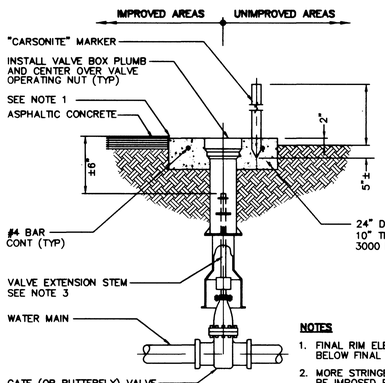
NOTE SEE SPECIFICATIONS FOR ALL APPROVED PRODUCTS



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

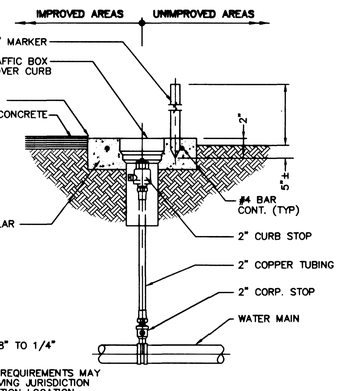
NOT TO SCALE

VALVE BOX INSTALLATION



SECTION "A"

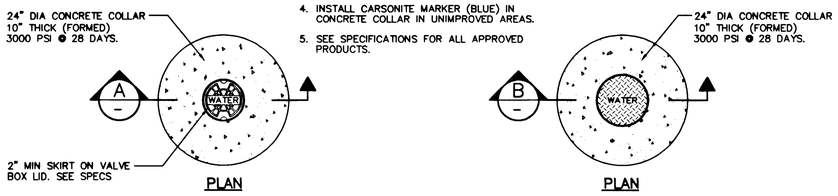
TRAFFIC BOX INSTALLATION



SECTION "B"

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 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.
4. INSTALL CARSONITE MARKER (BLUE) IN CONCRETE COLLAR IN UNIMPROVED AREAS.
5. SEE SPECIFICATIONS FOR ALL APPROVED PRODUCTS.



2 VALVE BOX AND TRAFFIC BOX INSTALLATION

NOT TO SCALE

APPROVED

LAS VEGAS VALLEY WATER DISTRICT — DATE 10/25/01

PLT
I:\CAD\PUBWRK\5546\DETAILS\W03.DWG

3970A

CONSULTING ENGINEERS • PLANNERS • LAND SURVEYORS
2727 SOUTH RAINBOW BOULEVARD
LAS VEGAS, NEVADA 89146-5148 PHONE (702) 873-7550 FAX (702) 362-2597

REV	DATE	BY	REVISION

DEPARTMENT OF PUBLIC WORKS
CITY OF LAS VEGAS

TITLE: WATER LINE RELOCATION DETAILS

PROJECT: ANN ROAD IMPROVEMENTS
US 95 TO FERRELL STREET

KEN D. GILBRETH CIVIL No. 9177 10-24-01

WO. NO.	5546
BY	TMM
DATE	10/05/01
SCALE	HORIZ. AS NOTED VERT.
DRAWING	W3
SHEET	45 OF 163 SHEETS