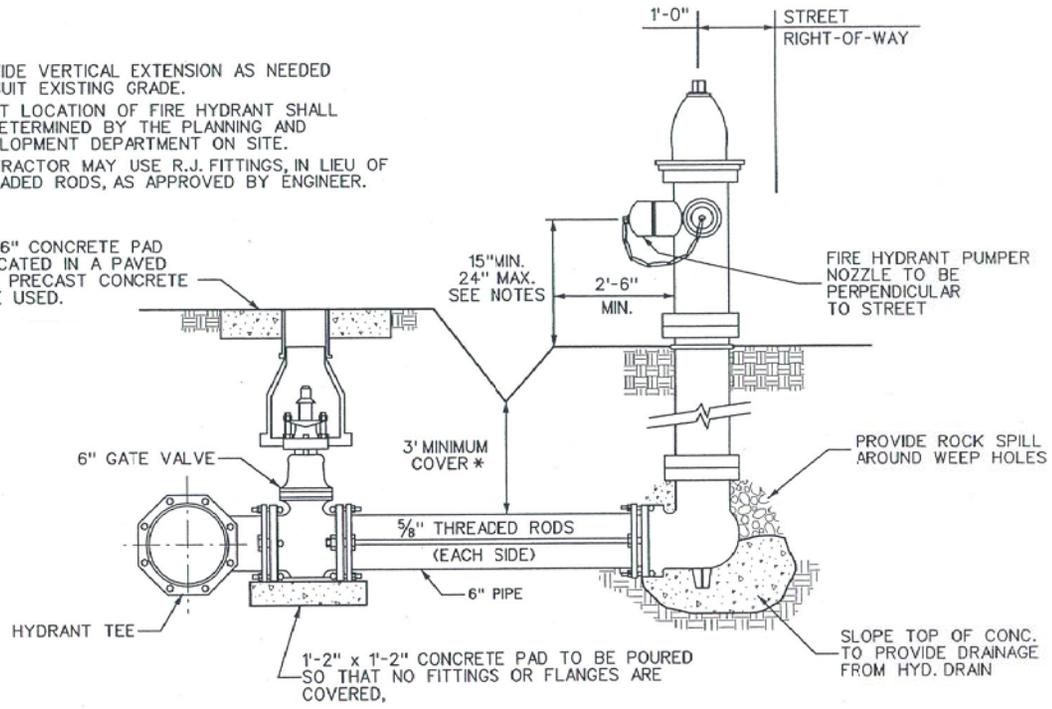


NOTES:

1. PROVIDE VERTICAL EXTENSION AS NEEDED TO SUIT EXISTING GRADE.
2. EXACT LOCATION OF FIRE HYDRANT SHALL BE DETERMINED BY THE PLANNING AND DEVELOPMENT DEPARTMENT ON SITE.
3. CONTRACTOR MAY USE R.J. FITTINGS, IN LIEU OF THREADED RODS, AS APPROVED BY ENGINEER.

PLACE 2' x 2' x 6" CONCRETE PAD IF VALVE IS LOCATED IN A PAVED AREA. IF NOT, A PRECAST CONCRETE COLLAR MAY BE USED.



* MINIMUM COVER MAY BE REDUCED TO 1'-0" IF D.I.P. IS USED.

REVISIONS	
DATE	DESCRIPTION

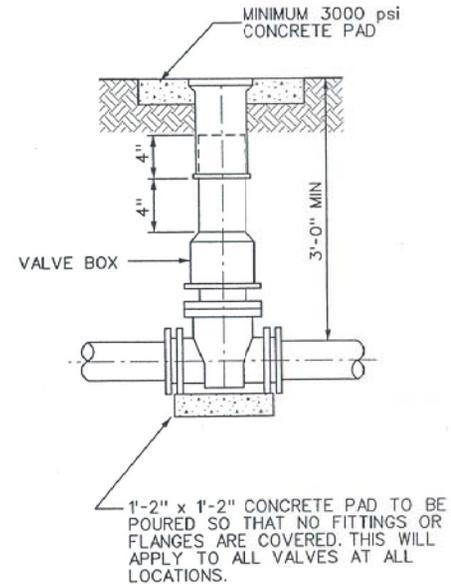
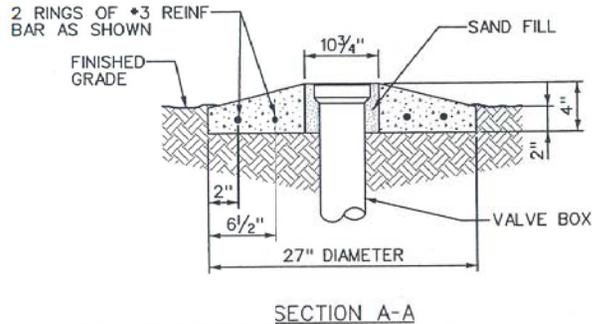
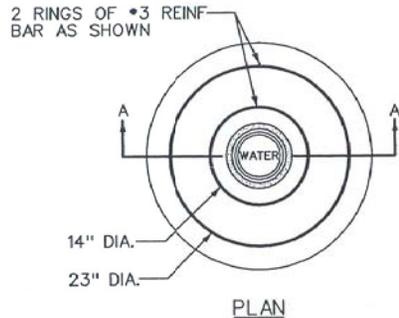
**NASH COUNTY
STANDARDS**

TYPICAL FIRE HYDRANT DETAIL

SHEET 3 OF 1

STD. NO.

1.01

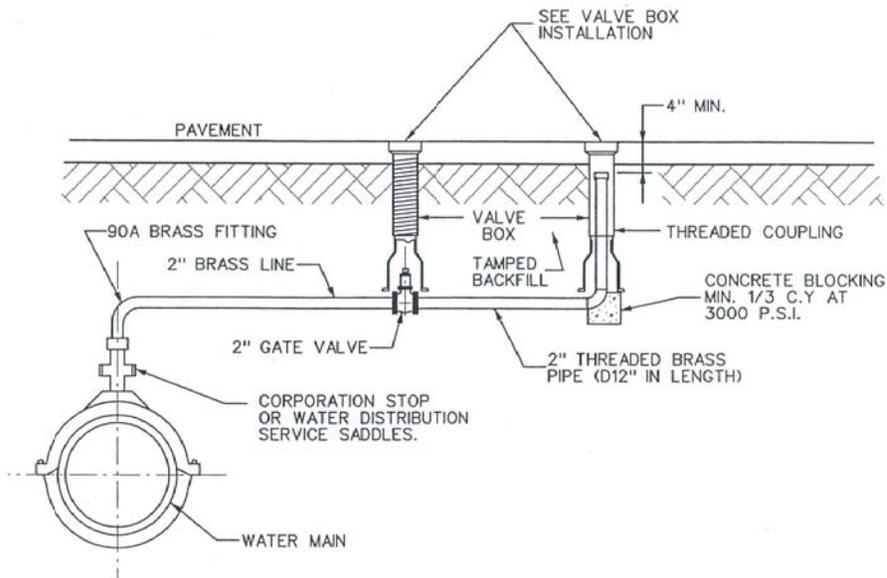


REVISIONS	
DATE	DESCRIPTION

**NASH COUNTY
STANDARDS**

TYPICAL VALVE BOX INSTALLATION

SHEET 1 OF 1
STD. NO.
1.02



NOTES:

1. BLOW-OFF ASSEMBLY FOR 2" MAINS ARE TO BE CONSTRUCTED AS A CONTINUATION OF THE MAIN WITHOUT THE SERVICE SADDLE AND WITHOUT THE CORPORATION STOP.
2. CORPORATION STOP SHALL BE LOCATED IN TOP OF WATER MAIN.

REVISIONS	
DATE	DESCRIPTION

**NASH COUNTY
STANDARDS**

STANDARD 2" BLOW-OFF ASSEMBLY

SHEET 1 OF 1

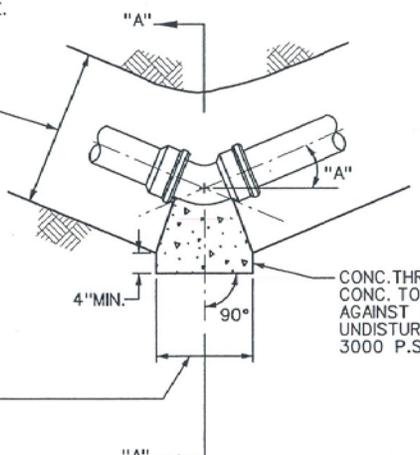
STD. NO.

1.03

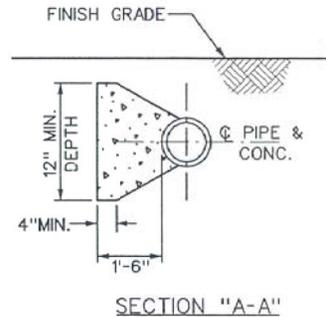
PROVIDE 4 MIL POLYETHYLENE AROUND PIPE TO PREVENT CONC. FROM BONDING TO PIPE.

1'-6" GREATER THAN OUTSIDE DIAMETER OF PIPE AT TOP OF PIPE

MIN. BEARING AREA OF UNDISTURBED EARTH REQUIRED TO HOLD LINE IN PLACE FOR FITTING AS LISTED IN CHART.



CONC. THRUST BLOCK
CONC. TO BE POURED AGAINST FIRM UNDISTURBED EARTH 3000 P.S.I. CONCRETE



SQ. FT. BEARING AREA

FITTING	4" PIPE	6" PIPE	8" PIPE	12" PIPE
90° BEND	1	3	5.5	40.8
D.E. OR TEE	1	2.5	3.8	31.5
45° OR LESS	1	2	3	22.1

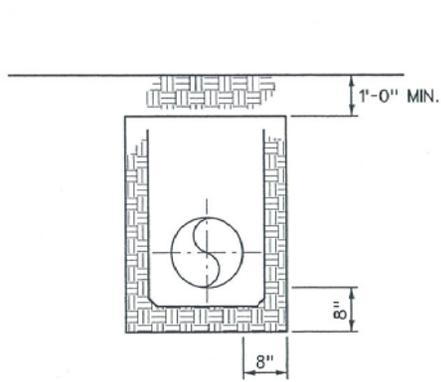
EXCAVATE AS NEARLY VERTICAL AS POSSIBLE

REVISIONS	
DATE	DESCRIPTION

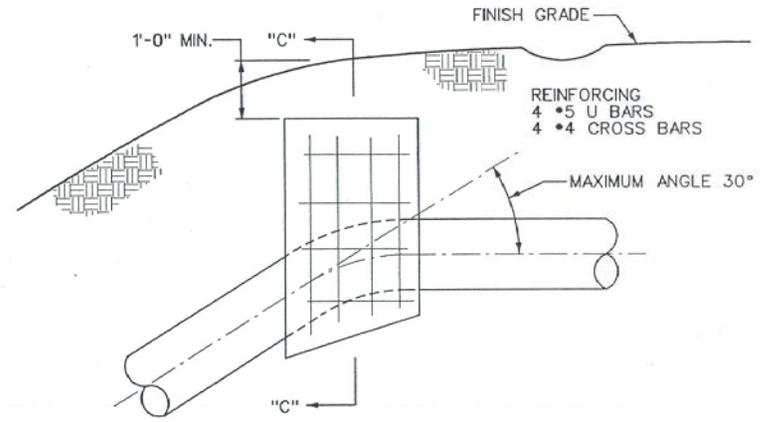
**NASH COUNTY
STANDARDS**

**THRUST BLOCK
FOR HORIZONTAL PIPE BENDS**

SHEET 1 OF 1
STD. NO.
1.04



SECTION "C-C"



SIZE OF CONCRETE BLOCK OR CUBIC FEET OF CONCRETE: _____
 TOTAL RADIAL THRUST _____
 WEIGHT, C.F. OF CONCRETE _____ $\frac{1}{150}$

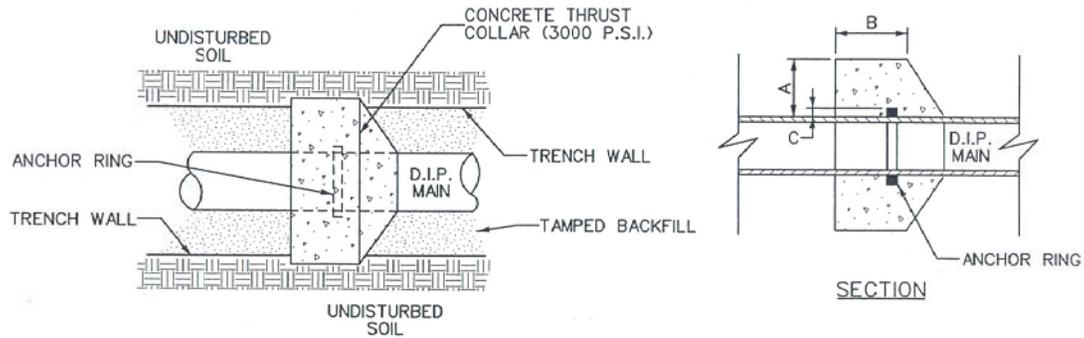
VERTICAL BENDS-THRUST 150 P.S.I.				
ANGLE	TOTAL RADIAL THRUST - LBS.			
	4" PIPE	6" PIPE	8" PIPE	12" PIPE
11 1/4° BEND	750	950	1,700	3,500
22 1/2° BEND	1,000	1,800	3,000	7,500
30° BEND	1,250	2,500	4,000	9,500

REVISIONS	
DATE	DESCRIPTION

NASH COUNTY
STANDARDS

VERTICAL THRUST BLOCK DETAIL

SHEET 1 OF 1
STD. NO.
1.05

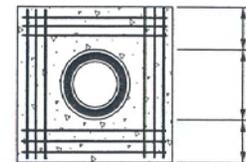


PLAN

SECTION

NOTES:

6" TO 16" MAINS-12-NO.7 BARS
 20" TO 36" MAINS-12-NO.8 BARS
 BARS PLACED AS SHOWN



REINFORCING

SCHEDULE

PIPE DIAMETER	CONCRETE THRUST COLLAR		ANCHOR RING	RING REQUIRED
	A	B	C	
6",8",12"	1'-0"	1'-0"	2"	ONE
16"	1'-4"	1'-0"	2"	ONE
20"	1'-4"	1'-0"	3"	ONE
24"	1'-4"	1'-0"	3"	TWO
30"	1'-4"	1'-2"	4"	TWO
36"	1'-4"	1'-4"	4"	TWO

REVISIONS	
DATE	DESCRIPTION

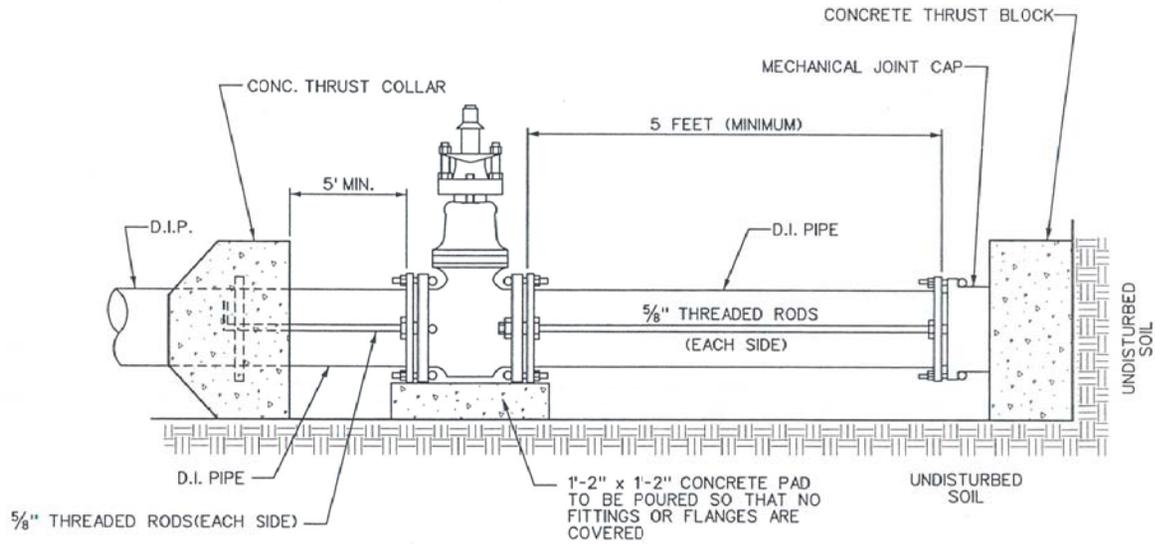
NASH COUNTY
STANDARDS

STANDARD THRUST COLLAR INSTALLATION

SHEET 1 OF 1

STD. NO.

1.06



NOTE:
 THIS DETAIL SHALL APPLY ONLY TO TEMPORARY
 CAPPING. PERMANENT DEAD END LINES TO BE
 EQUIPPED WITH BLOW OFF ASSEMBLY.

REVISIONS	
DATE	DESCRIPTION

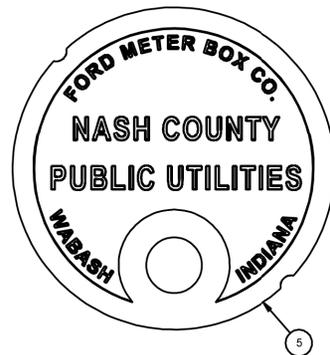
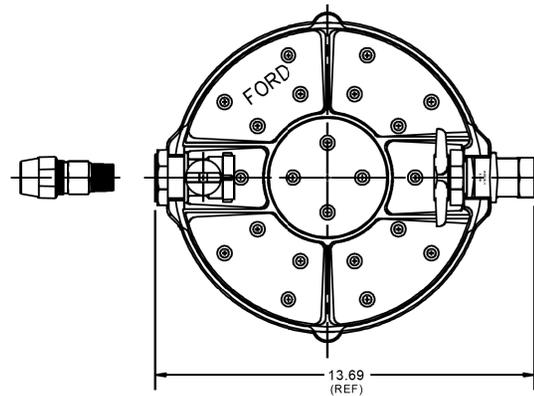
NASH COUNTY
STANDARDS

STANDARD CAPPING DETAIL

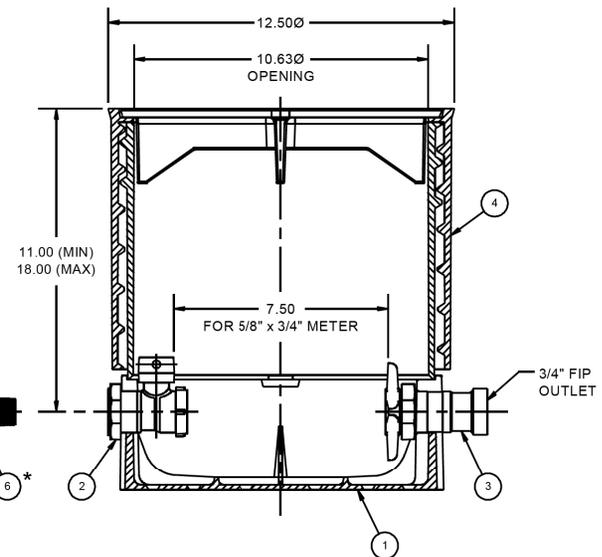
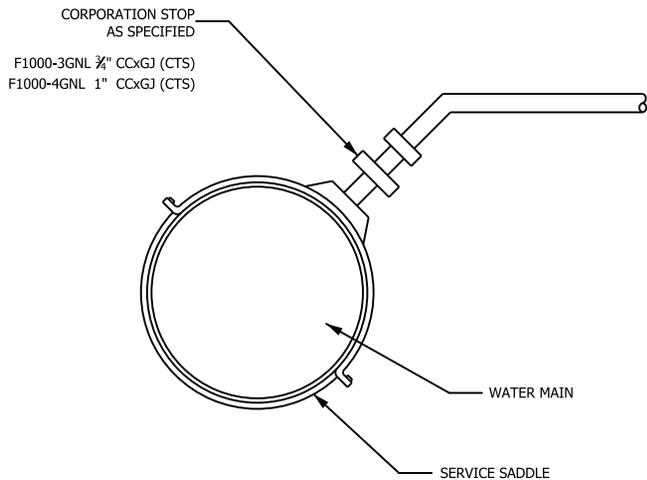
SHEET 1 OF 1

STD. NO.

1.07



3/4" SVC. (CB141-233-NA-TGNL #3)
1" SVC. (CB141-444-NA-TGNL #4)



REVISIONS	
DATE	DESCRIPTION
11/26/18	New Meter Type

NASH COUNTY
STANDARDS

**5/8" x 3/4" CRESENT BOX w/ ADJUSTABLE
TOP LOCKLESS, NASH COUNTY**

SHEET 1 OF 1

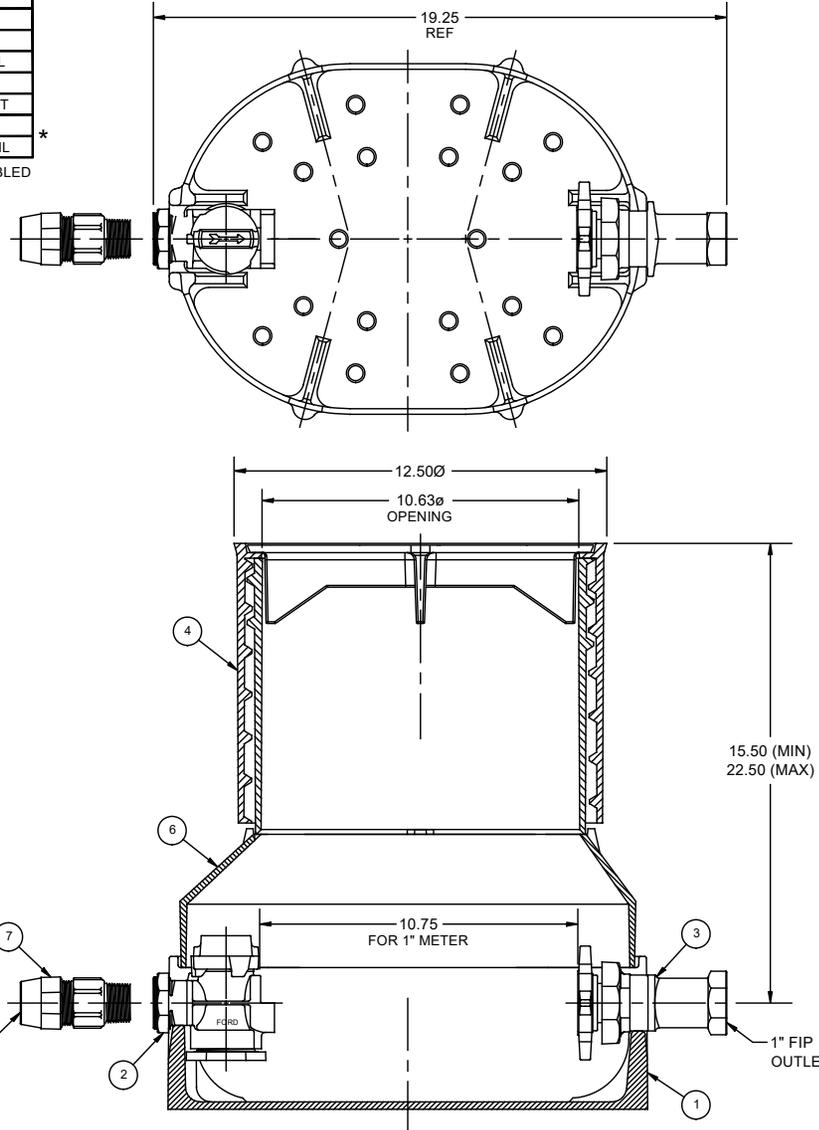
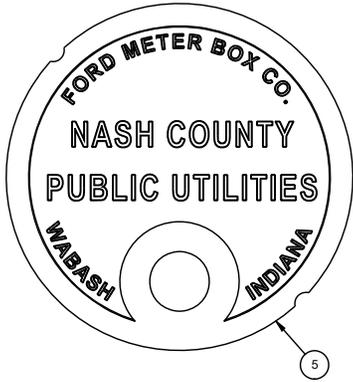
STD. NO.

1.08

95567-009

ITEM	DESCRIPTION	QTY	MATERIAL	CATALOG NUMBER
1	BASE	1	CAST GRAY IRON/E-COAT	CBB-4
2	KEY VALVE	1	CAST NO-LEAD BRASS	CBV-4-NL
3	EXPANSION OUTLET	1	CAST NO-LEAD BRASS	CBEO-4-NL
4	BARREL ASSY	1	CAST GRAY IRON/E-COAT	CBBA
5	LID	1	CAST GRAY IRON/E-COAT	CBLL-NAS-T
6	ADAPTER RING	1	CAST GRAY IRON/E-COAT	CBA-4
7	COUPLING	1	CAST NO-LEAD BRASS	C84-44-G-NL

* SHIPPED UNASSEMBLED



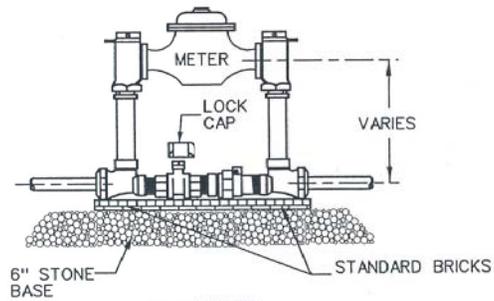
IMPORTANT NOTICE
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CB141-95567-009-NL			
ASSY, 1" CRESCENT BOX W/ ADJUSTABLE TOP LOCKLESS, NASH COUNTY			
TOLERANCES:	UNLESS OTHERWISE SPECIFIED	PATTERN:	
XX ± N/A		CORE(S):	
.XXX ± N/A			
± N/A			
SCALE:	EST WEIGHT:	SIZE:	DRAWING NO.
1:4	lb	B	95567-009

①	5/23/2016	16-178	INITIAL RELEASE	KJB	SWH
REV.	DATE	ECN	REVISION DESCRIPTION	DWN BY	APPV BY

THE FORD METER BOX CO., INC.
 Wabash, Indiana 46992 U.S.A.

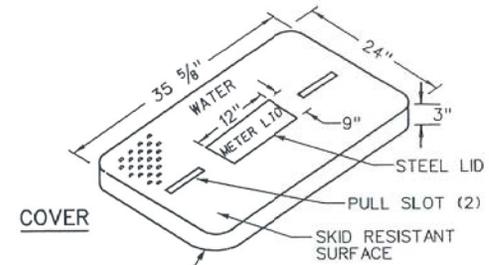
STD. NO. 108-A



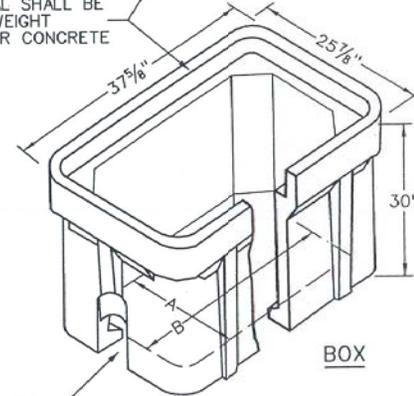
ELEVATION

NOTES:

1. PIPING TO BE BRASS & COPPER TUBING AND SHALL BE EQUIPED W/ ANGLED CHECK VALVE OUTLETS & BY-PASS FLANGED BALL VALVE INLETS.
2. PRECAST CONCRETE BOX W/ ALUMINUM ACCESS HATCH WILL BE AN ACCEPTABLE ALTERNATIVE WITH APPROVAL OF THE TOWN.
3. TO ENSURE POSITIVE DRAINAGE, THE VAULT SHOULD BE TIED INTO THE EXISTING STORM DRAINAGE SYSTEM WHEN POSSIBLE.



MATERIAL SHALL BE LIGHT WEIGHT POLYMER CONCRETE



DIMENSIONS (INCHES)

A = 18 3/8"
B = 30 7/8"

REVISIONS	
DATE	DESCRIPTION

NASH COUNTY
STANDARDS

STANDARD 1 1/2" & 2" METER
INSTALLATION AND VAULT

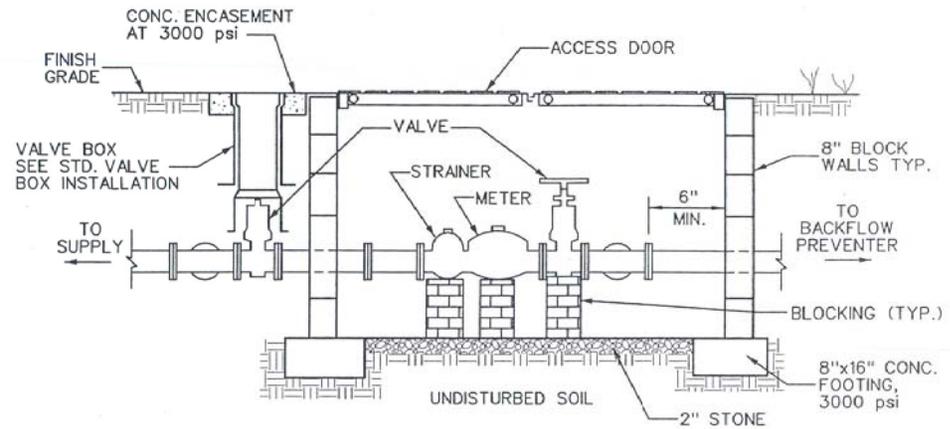
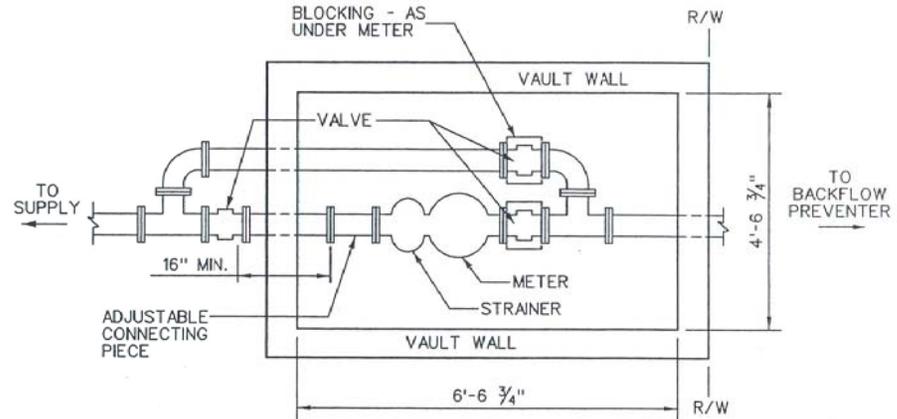
SHEET 1 OF 1

STD. NO.

1.09

NOTES:

1. METER AND BY-PASS ASSEMBLY TO BE DUCTILE IRON FLANGED PIPE.
2. METER FACE TO BE A MAXIMUM OF 3.5' BELOW FINISHED GRADE.
3. ADJUSTABLE CONNECTING PIECE TO BE APPROVED BY COUNTY.
4. ACCESS DOOR SHALL BE ALUMINUM DOUBLE DOOR WITH A MINIMUM OPENING OF 42"x36".
5. VALVES SHALL BE IRON BODY TYPE.
6. EITHER SOLID BRICK, SOLID BLOCK OR PRECAST CONCRETE MAY BE USED.
7. TO ENSURE POSITIVE DRAINAGE, THE VAULT SHOULD BE TIED INTO THE EXISTING STORM DRAINAGE SYSTEM WHEN POSSIBLE.
8. ALL EXPOSED METAL SURFACES SHALL RECEIVE A COAT OF COAL TAR EPOXY.



REVISIONS	
DATE	DESCRIPTION

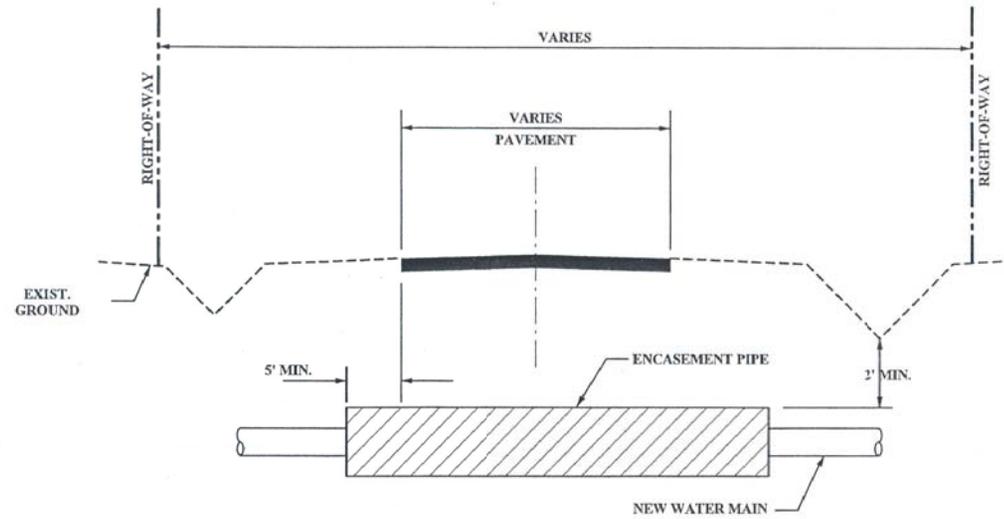
**NASH COUNTY
STANDARDS**

**STANDARD 3" & 4" METER
INSTALLATION AND VAULT**

SHEET 1 OF 1

STD. NO.

1.10



NOTES:

METAL "SPIDERS" SHALL BE USED FOR SUPPORT OF THE CARRIER PIPE WITHIN THE CASING PIPE. SEE DETAIL 1.12.

NOMINAL WATER SIZE	ENCASEMENT SIZE	MINIMUM WALL THICKNESS NCDOT CROSSING	MINIMUM WALL THICKNESS RAILWAY CROSSING
4	NONE	---	---
6	12"	0.188"	0.188"
8	16"	0.250"	0.281"
10	18"	0.250"	0.312"
12	20"	0.250"	0.344"

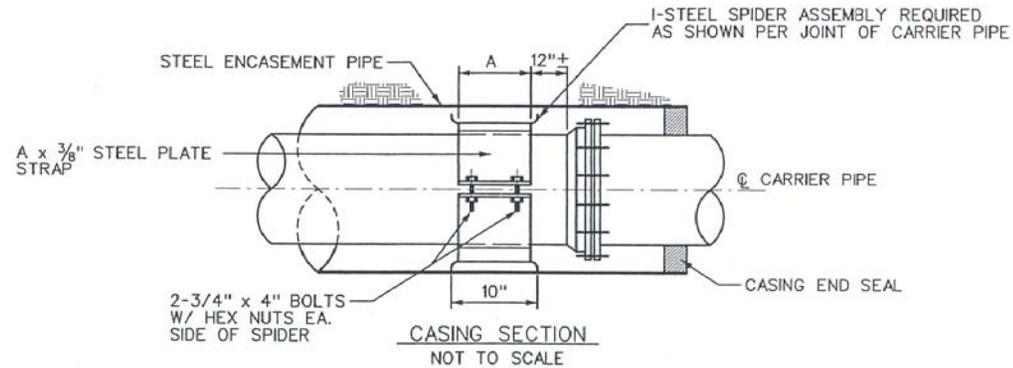
REVISIONS	
DATE	DESCRIPTION

**NASH COUNTY
STANDARDS**

BORE CROSSING DETAIL

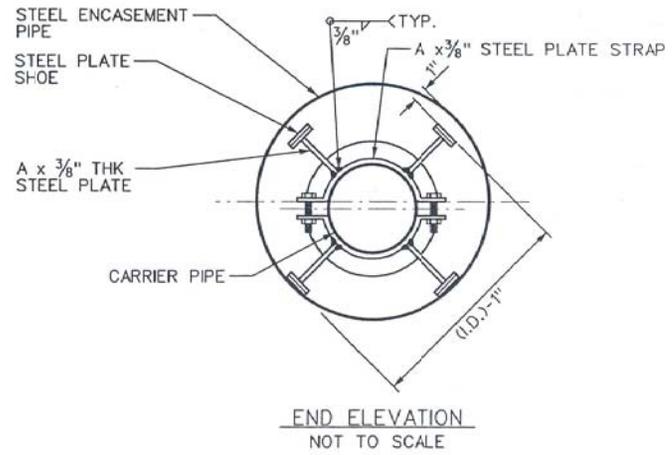
SHEET 1 OF 1
STD. NO.

1.11



NOTES:

1. "A" - 8" FOR PIPES 14" AND UNDER
"A" - 12" FOR PIPES 16" AND OVER
2. ENTIRE SPIDER ASSEMBLY TO BE BITUMINOUS COATED AFTER FABRICATION.



REVISIONS	
DATE	DESCRIPTION

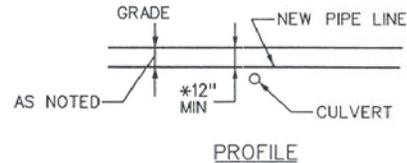
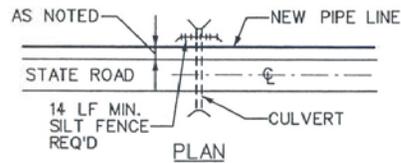
**NASH COUNTY
STANDARDS**

WATER LINE STEEL ENCASEMENT

SHEET 1 OF 1

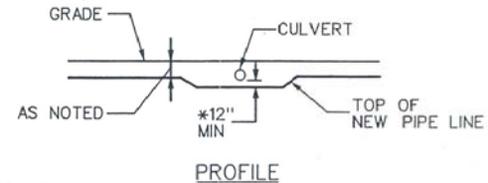
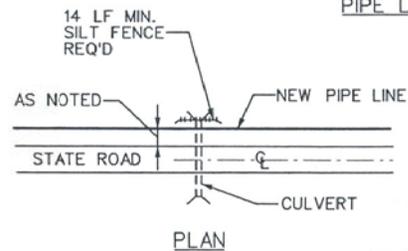
STD. NO.

1.12



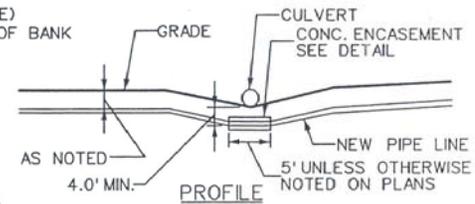
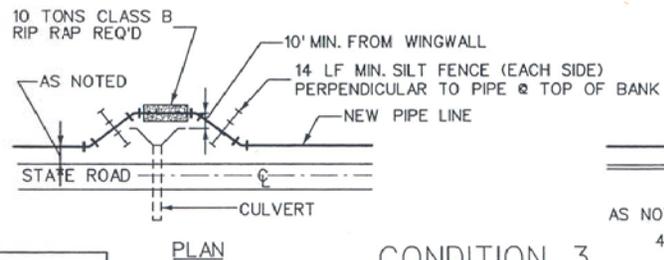
CONDITION 1
PIPE LINE OVER CULVERT

*18" MIN FOR CROSSING OF SANITARY SEWER



CONDITION 2
PIPE LINE UNDER CULVERT

*18" MIN FOR CROSSING OF SANITARY SEWER



CONDITION 3
PIPE LINE AROUND END OF CULVERT

REVISIONS	
DATE	DESCRIPTION

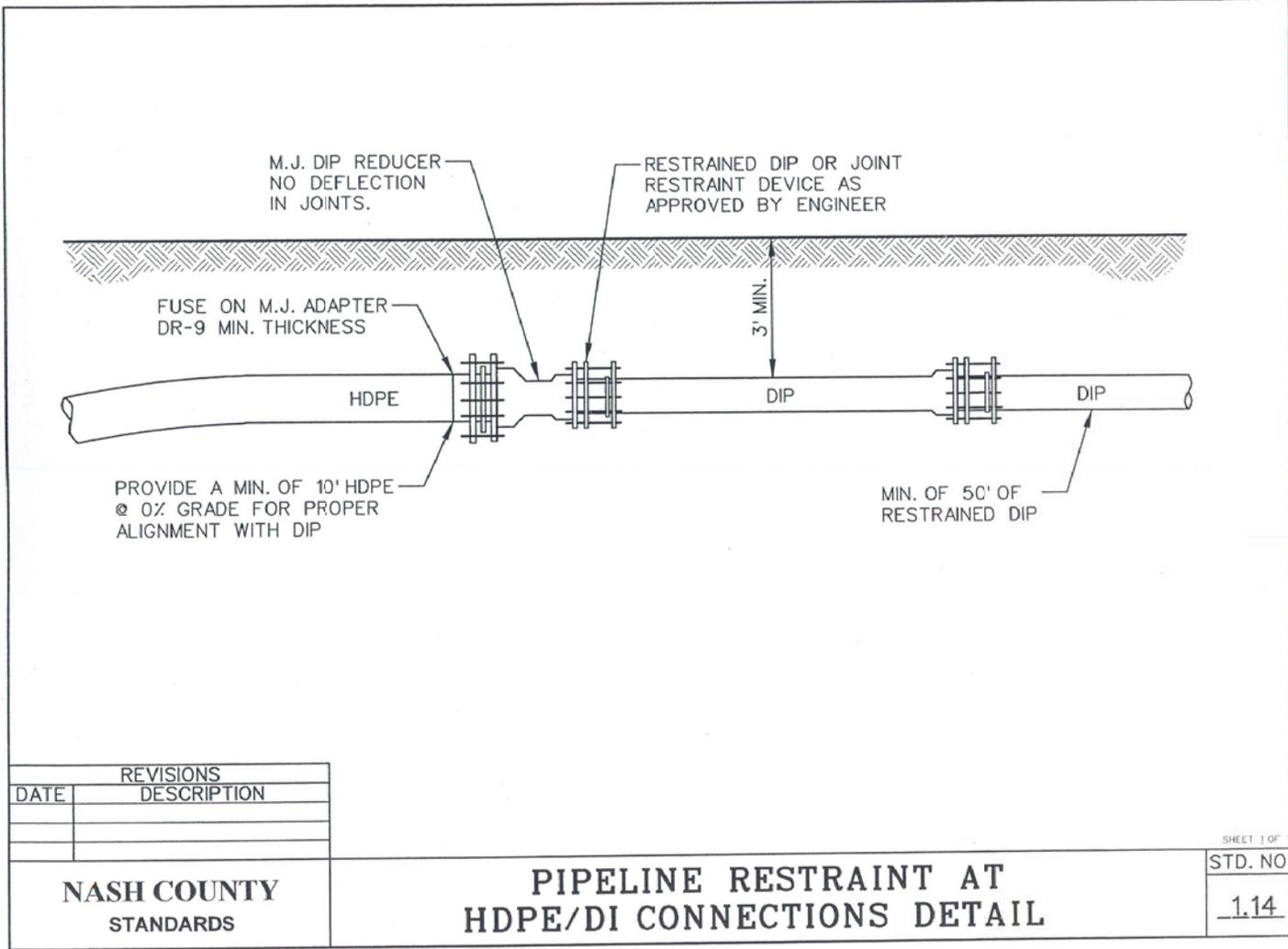
NASH COUNTY
STANDARDS

INSTALLATION OF PIPELINE
AT CULVERT DETAIL

SHEET 1 OF 1

STD. NO.

1.13

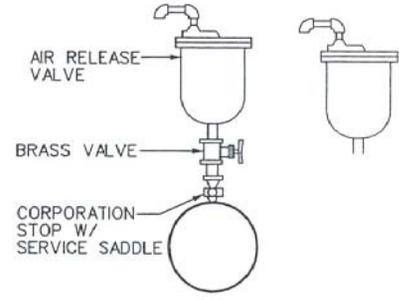
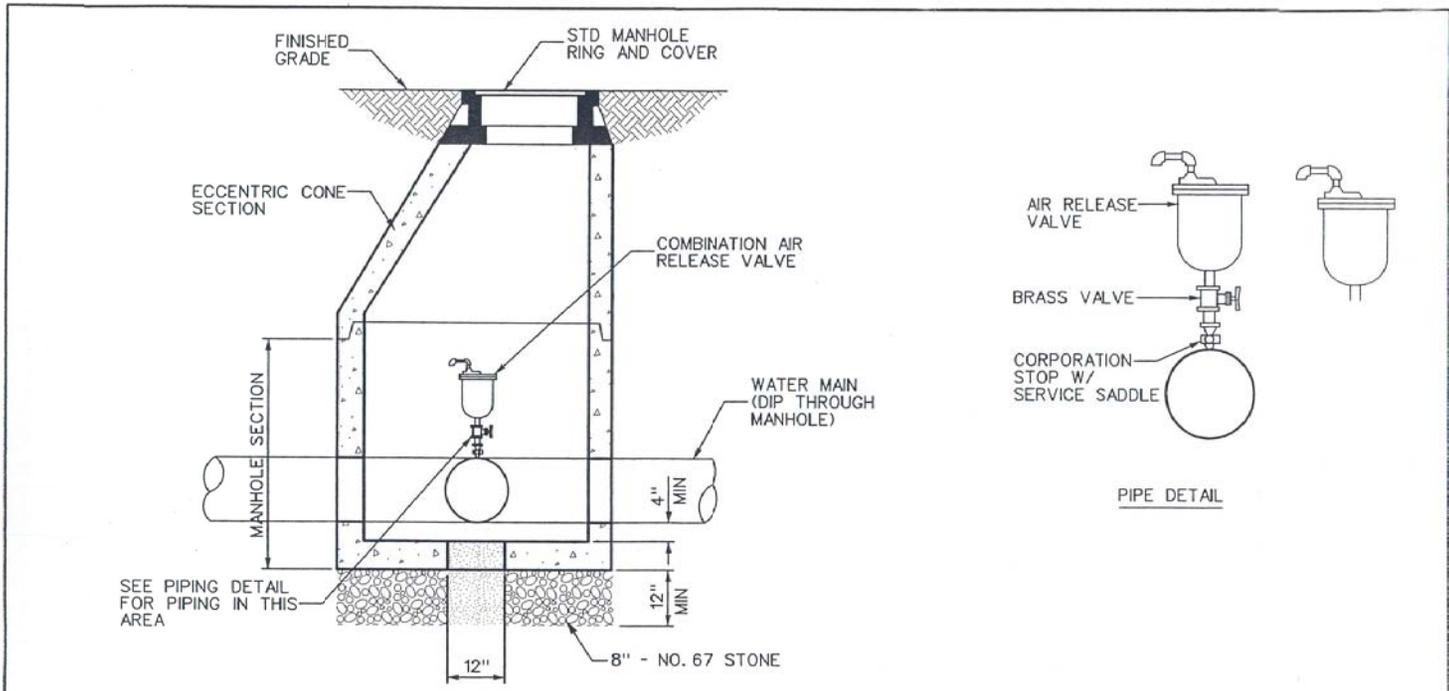


REVISIONS	
DATE	DESCRIPTION

NASH COUNTY
STANDARDS

**PIPELINE RESTRAINT AT
HDPE/DI CONNECTIONS DETAIL**

SHEET 1 OF 1
STD. NO.
1.14



PIPE DETAIL

NOTES:

1. TAP PIPE AND ISOLATION VALVE TO BE SAME SIZE AS AIR RELEASE VALVE.
2. ALL PIPING AND FITTINGS IN THE MANHOLE, SHALL BE BRASS OR BRONZE UNLESS OTHERWISE NOTED.
3. MANHOLE STEPS SHALL BE PLACED 16" OC WHEN DEPTH OF MANHOLE EXCEEDS 5 FEET.
4. CENTER MANHOLE OPENING, FOR MANHOLE DEPTHS LESS THAN 5 FEET.

REVISIONS	
DATE	DESCRIPTION

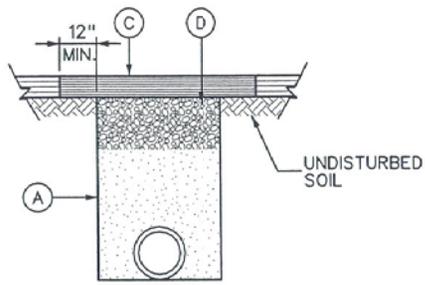
NASH COUNTY
STANDARDS

COMBINATION AIR VALVE MANHOLE
(FOR WATER MAINS)

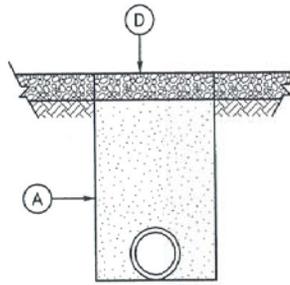
SHEET 1 OF 1

STD. NO.

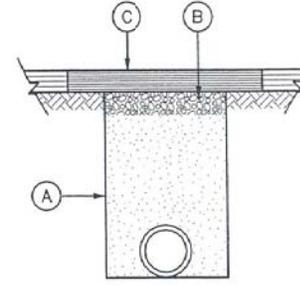
1.15



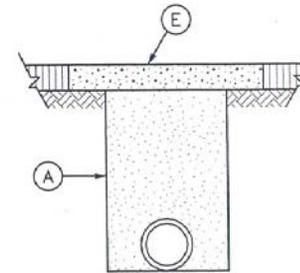
SECONDARY
PAVED ROADS



SECONDARY
UNPAVED ROADS



PRIVATE
PAVED DRIVE



PRIVATE
CONCRETE DRIVE

NOTES:

- A. AREA TO BE TAMPED.
 - B. 6" OF CRUSHED STONE.
 - C. 2" BITUMINOUS CONCRETE SURFACE COURSE TYPE 1-2.*
 - D. 8" CRUSHED STONE.
 - E. NEW CONCRETE 1/2" THICKER THAN EXISTING CONCRETE, BUT NO CASE LESS THAN 6 INCHES THICK.*
- * IN PAVED AREAS, REMOVE AND REPLACE PAVEMENT A MINIMUM OF 12 INCHES BEYOND TRENCH EXCAVATION.
SEE SPECIFICATIONS FOR GRAVEL DRIVES

REVISIONS	
DATE	DESCRIPTION

**NASH COUNTY
STANDARDS**

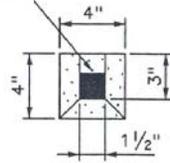
PAVEMENT REPLACEMENT DETAIL

SHEET 1 OF 1

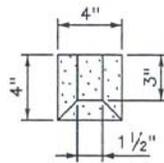
STD. NO.

1.16

1 1/2"x1 1/2" BRASS
MV END ONLY

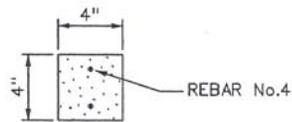


MV (MAIN VALVE)
END OF POST



BO (BLOW OFF)
END OF POST

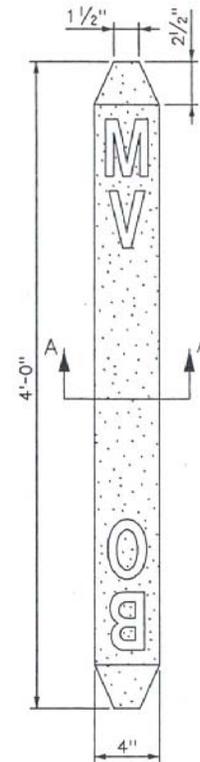
TOP VIEW



CROSS SECTION A-A

NOTES:

1. MARKER POST IS MADE OF 5000 PSI CONCRETE.
2. ALL DIMENSIONS ARE NOMINAL.



SIDE VIEW

REVISIONS	
DATE	DESCRIPTION

NASH COUNTY
STANDARDS

4'x4'x4' WITNESS POST

SHEET 1 OF 1

STD. NO.

1.1Z