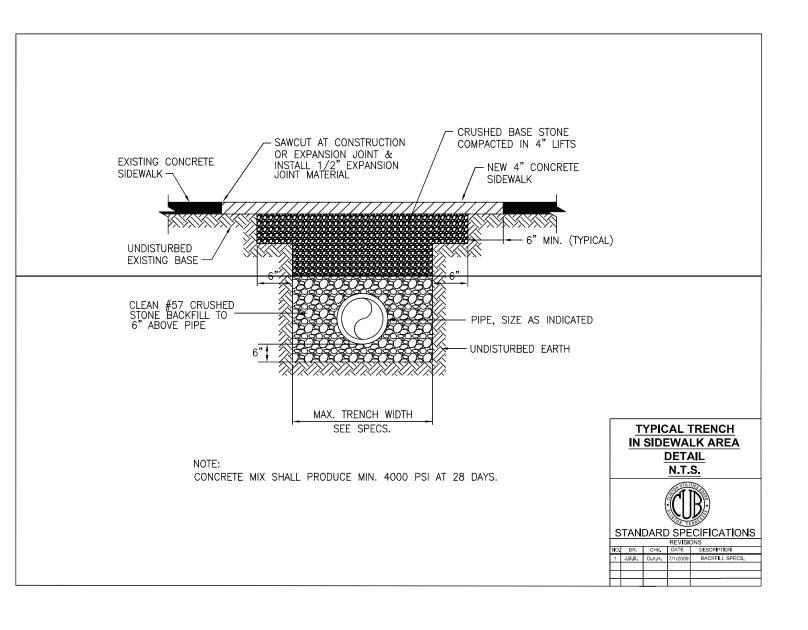


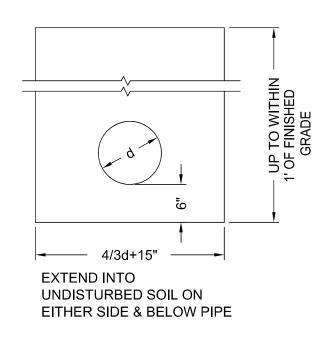
NOTES:

- 1. DEPTH OF BINDER COURSE SHALL BE 2.5" OF B MODIFIED MIX IN CITY STREETS AND TO TDOT SPECIFICATIONS IN STATE HIGHWAYS.
- 2. DEPTH OF SURFACE (TOPPING) COURSE SHALL BE 1.5" OF D OR E MIX WITH LIQUID ASPHALT TACK SOLUTION INSTALLED BETWEEN BINDER AND TOPPING COURSES IN CITY STREETS AND TO TDOT SPECIFICATIONS IN STATE HIGHWAYS.

TYPICAL TRENCH IN PAVED AREAS DETAIL N.T.S.







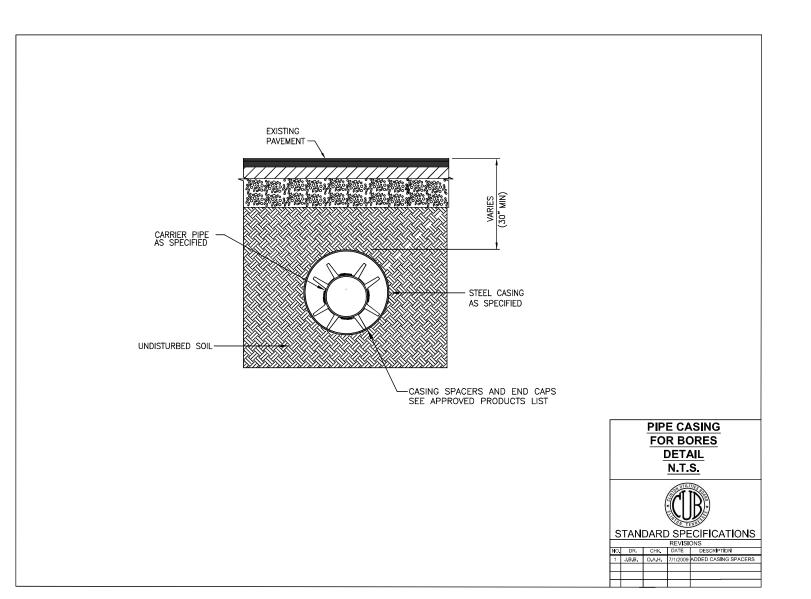
NOTE:

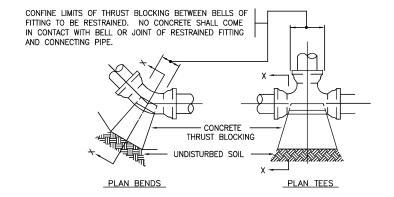
ALL CHECKDAMS ARE 3' THICK AND ARE EITHER COMPACTED CLAY OR CONCRETE AS NOTED ON DRAWINGS. LOCATE AS DIRECTED BY CUB.

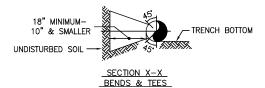
TYPICAL CHECK DAM DETAIL N.T.S.



REVISIONS				
NO.	DR.	CHK.	DATE	DESCRIPTION
1	J.B.B.	D.A.H.	7/1/2009	TITLE CORRECTION







 $\ensuremath{\operatorname{\underline{NOTE:}}}$ WRAP ALL FITTINGS TO BE RESTRAINED WITH PLASTIC BEFORE POURING CONCRETE

MINIMUM CONCRETE THRUST BLOCK SIZE IN CONTACT WITH THE BEARING SOIL IN SQUARE FEET.

PIPE		STD.			
SIZE	11-1/4°	22-1/2*	45°	90°	TEE
4	1.0	1.0	1.5	2.5	2.0
6	1.5	2.0	3.0	5.5	4.0
8	1.5	2.5	5.0	10.0	7.0
10	2.0	4.0	7.5	14.5	10.0
12	3.0	6.0	11.5	21.5	14.5
14	4.0	7.5	15.0	28.0	19.5
16	5.0	10.0	20.0	35.0	25.5
18	6.5	12.5	24.56	35.0*	32.0
20	8.5	16.5	32.6	35.0*	35.0*
24	10.0	20.0	35.0*	35.0*	35.0*
30	18.0	34.5	35.0*	35.0*	35.0*
36	25.0	35.0*	35.0*	35.0*	35.0*
42	32.5	35.0*	35.0*	35.0*	35.0*

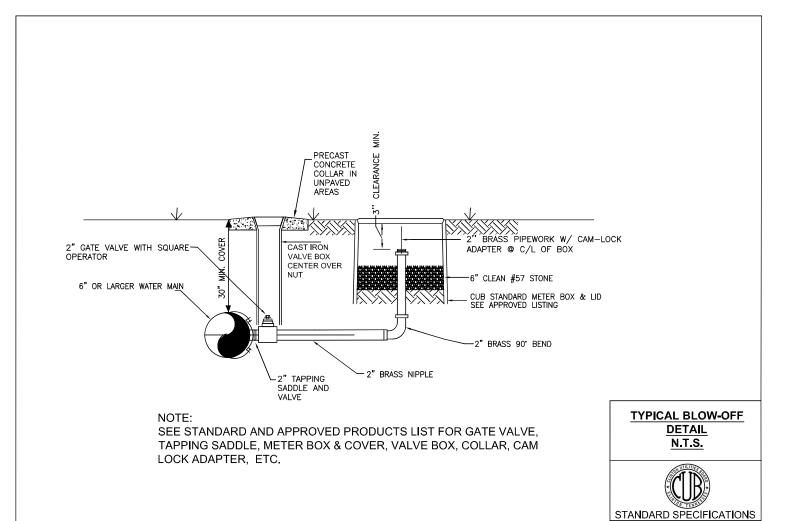
BLOCKING SCHEDULE BASED ON 200 PSI WATER PRESSURE, 2,000 PSF SOIL BEARING PRESSURE & 1.25 SAFETY FACTOR.

* INDICATES FITTINGS REQUIRING RESTRAINED JOINTS IN ADDITION TO CONC. THRUST BLOCKING.

THRUST BLOCKING DETAIL N.T.S.

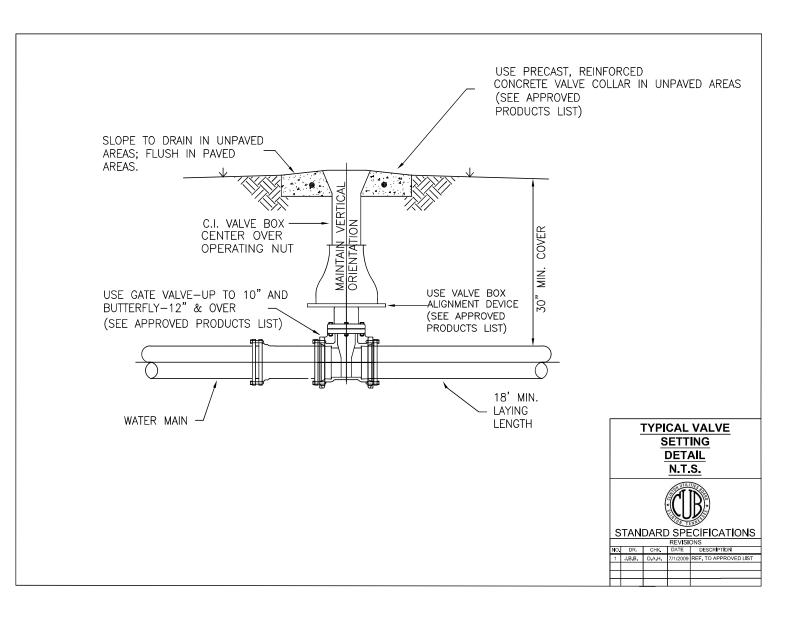


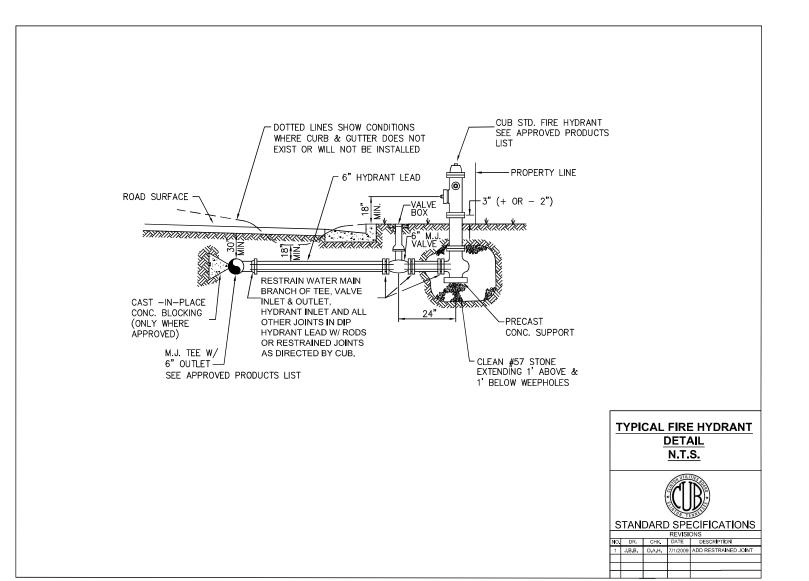
NO.	DR.	CHK,	DATE	DESCRIPTION
1	J.B.B.	D.A.H.	7/1/2009	ADDED NOTE

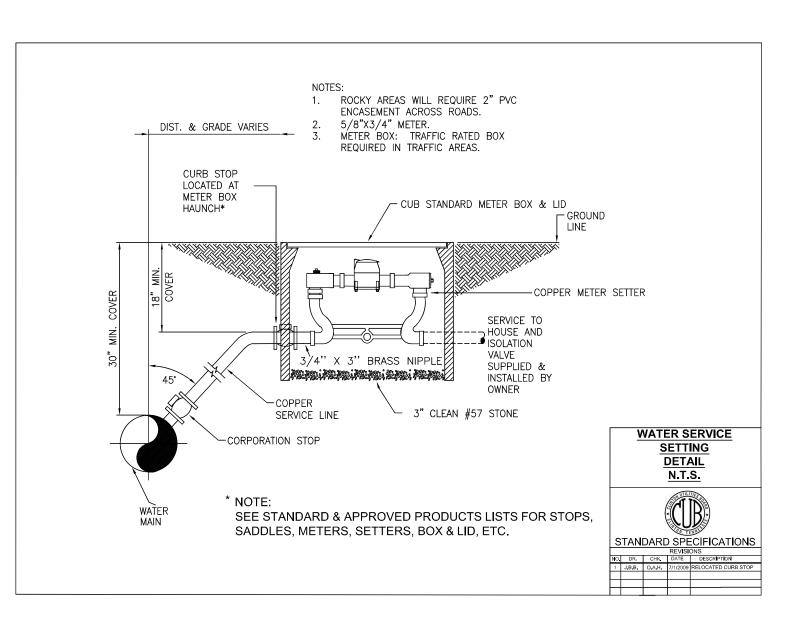


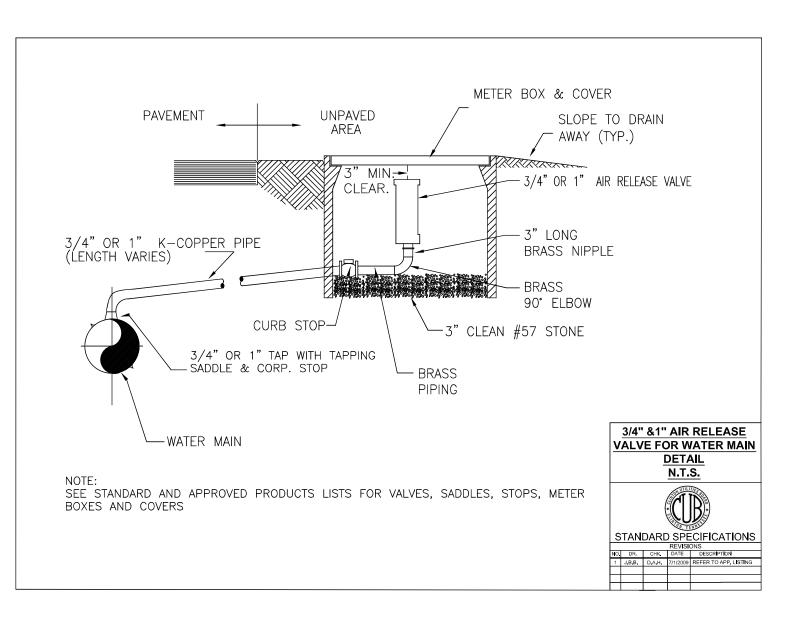
7/1/2009 B.O. DEPTH & MAIN SIZE

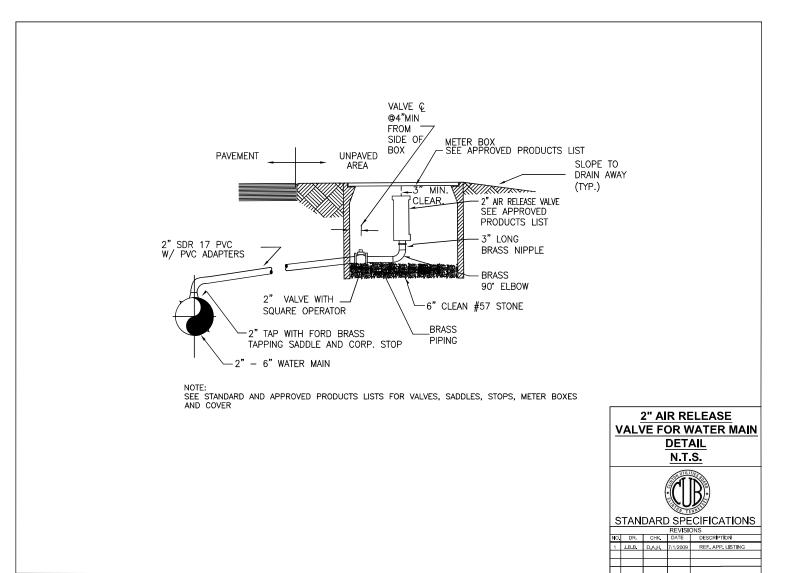
1 J.B.B. D.A.H.

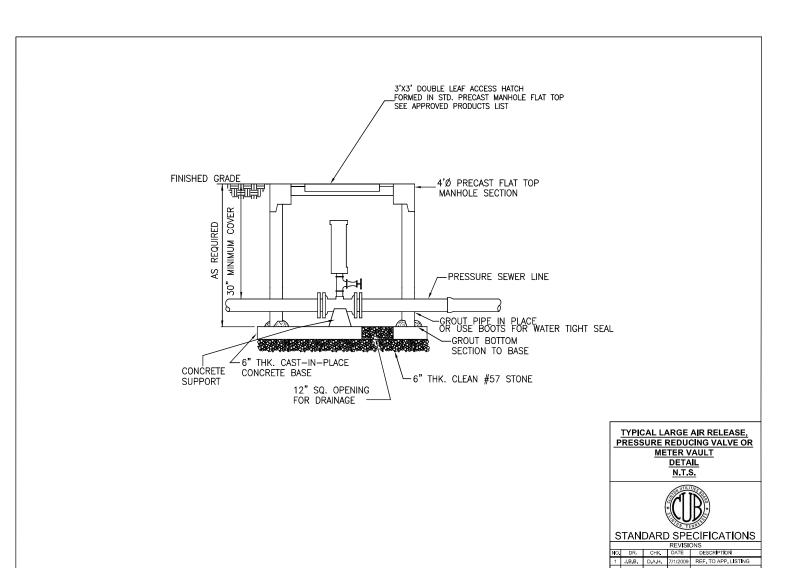


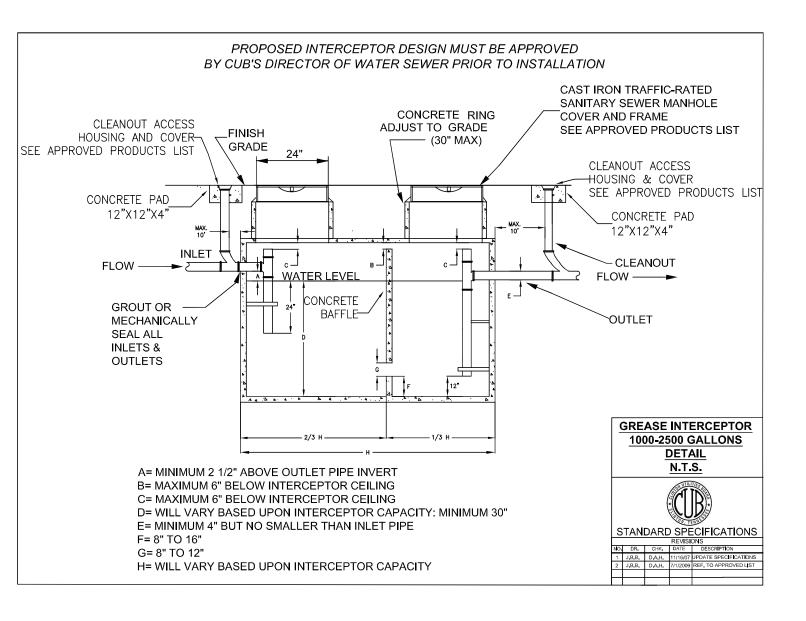


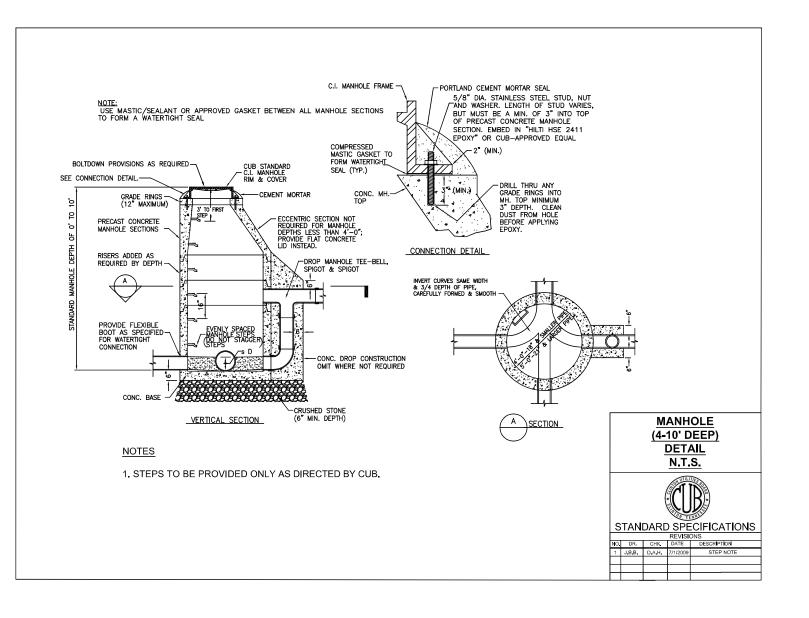


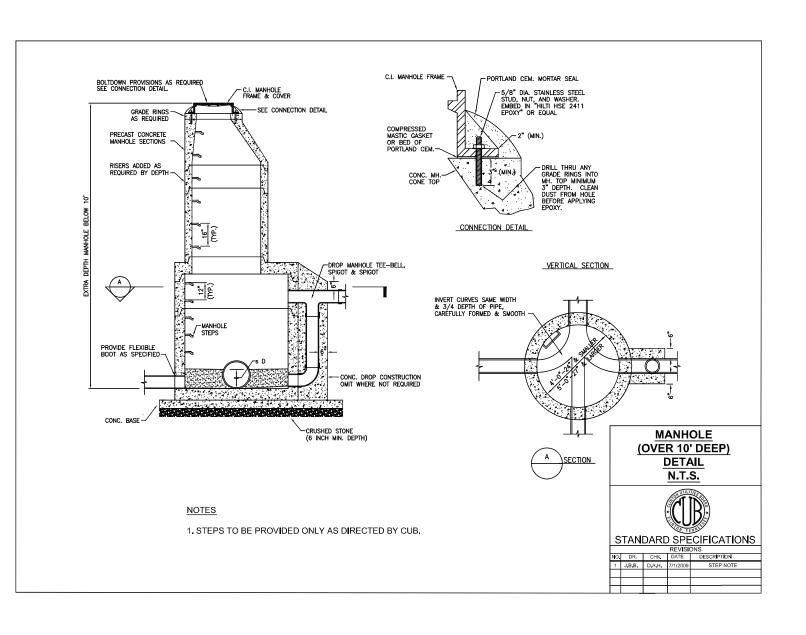


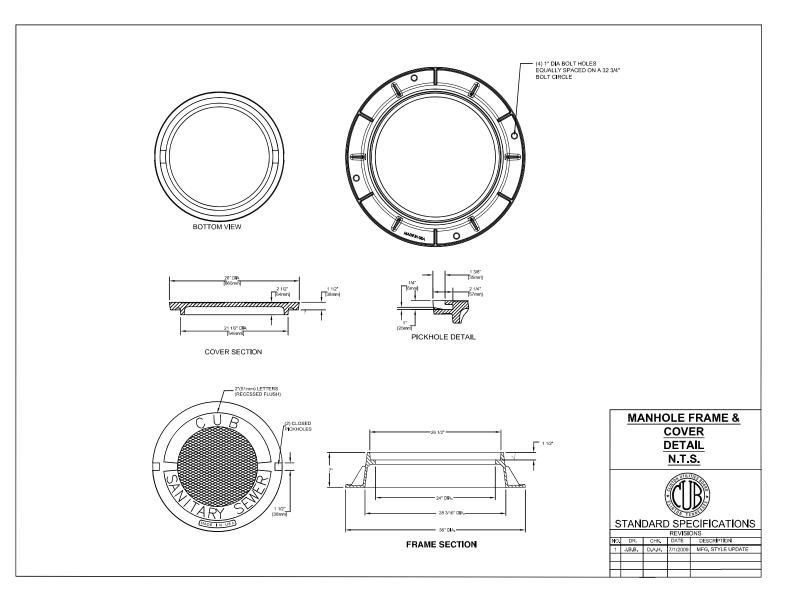


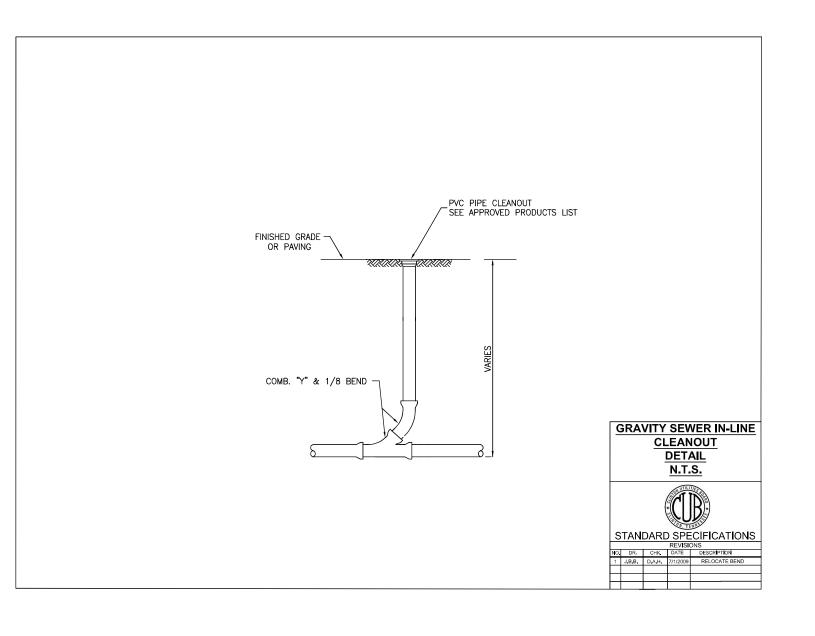


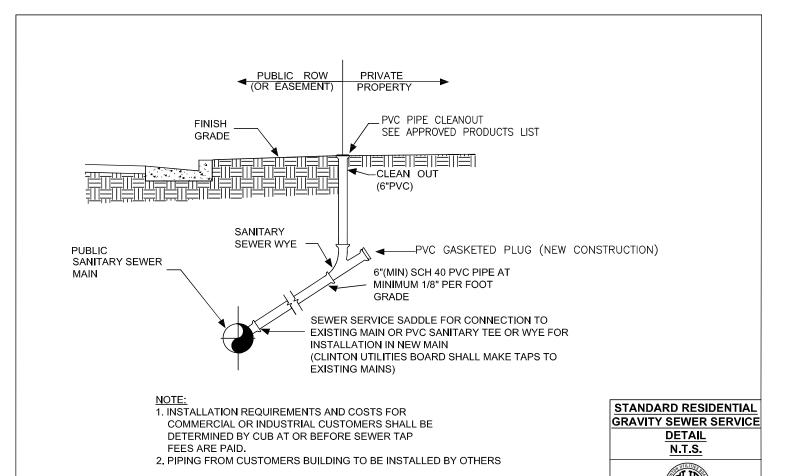






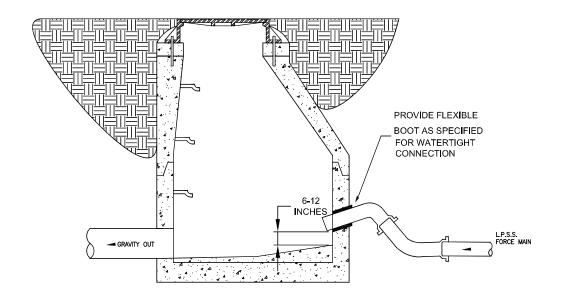






STANDARD SPECIFICATIONS

1 J.B.B. D.A.H.



NOTES:

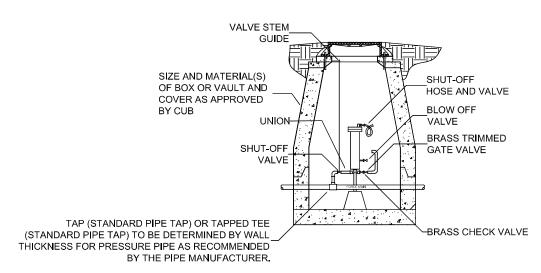
- 1. CONNECTIONS TO EXISTING MANHOLE: CORE DRILL OPENING, INSERT WATER TIGHT RUBBER BOOT ASSEMBLY, INSERT FORCE MAIN PIPE APPROXIMATELY 2 INCHES BEYOND INSIDE WALL OF MANHOLE, SEAL BOOT AROUND PIPE WITH STAINLESS STEEL BAND CLAMP.
- 2, CONNECTIONS TO NEWLY CONSTRUCTED MANHOLE: INSERT FORCE MAIN APPROX 2 INCHES BEYOND WALL OF MANHOLE, ENSURE RUBBER BOOT AT OPENING PROVIDES A WATER TIGHT SEAL AT MANHOLE AND AROUND PIPE.

L.P.S.S. MANHOLE TIE-IN DETAIL N.T.S.



STANDARD SPECIFICATIONS

REVISIONS					
NO.	DR.	CHK.	DATE	DESCRIPTION	
1	J.B.B.	D.A.H.	7/1/2009	REPR I NT	
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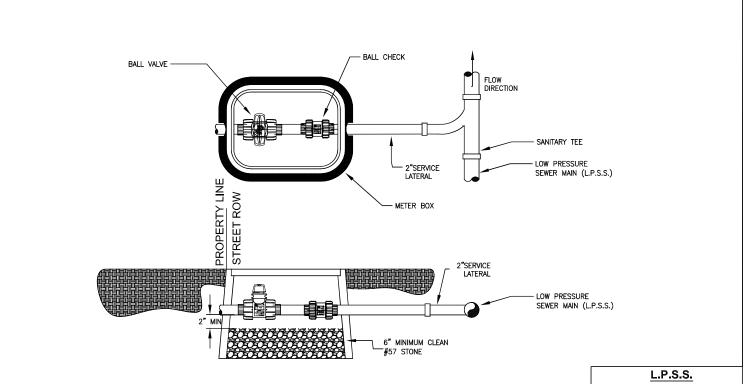
NOTES:

- 1. AIR RELEASE VALVES FOR PROPOSED WATER AND SEWER LINES SHALL BE AS SHOWN ON PLANS AND AS DESCRIBED IN THE APPROVED PRODUCTS LIST.
- 2. AIR RELEASE VALVES SHALL BE INSTALLED IN METER BOXES OR VAULTS AS DIRECTED BY CUB.

L.P.S.S. AIR RELEASE VALVE DETAIL N.T.S.



NO.	DR.	CHK,	DATE	DESCRIPTION
1	J.B.B.	D.A.H.	7/1/2009	REF. TO APPROVED LIST



NOTE:

- 1. THIS BOX INSTALLATION DETAIL FOR USE IN NON-TRAFFIC (UNPAVED) AREAS ONLY
- 2. SEE STANDARD AND APPROVED PRODUCTS LISTS FOR PIPING, FITTINGS, METER BOX AND VALVES

L.P.S.S. SERVICE TIE-IN DETAIL N.T.S.



STANDARD SPECIFICATIONS

| REVISIONS | | NO. | DR. | CHK. | DATE | DESCRIPTION | | 1 J.B.B. | D.A.H. | 7/1/2009 | REF. APP. LISTING |

