



STANDARD PLANS
FOR SANITARY SEWER SYSTEMS

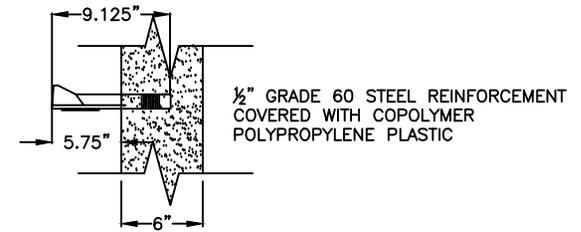
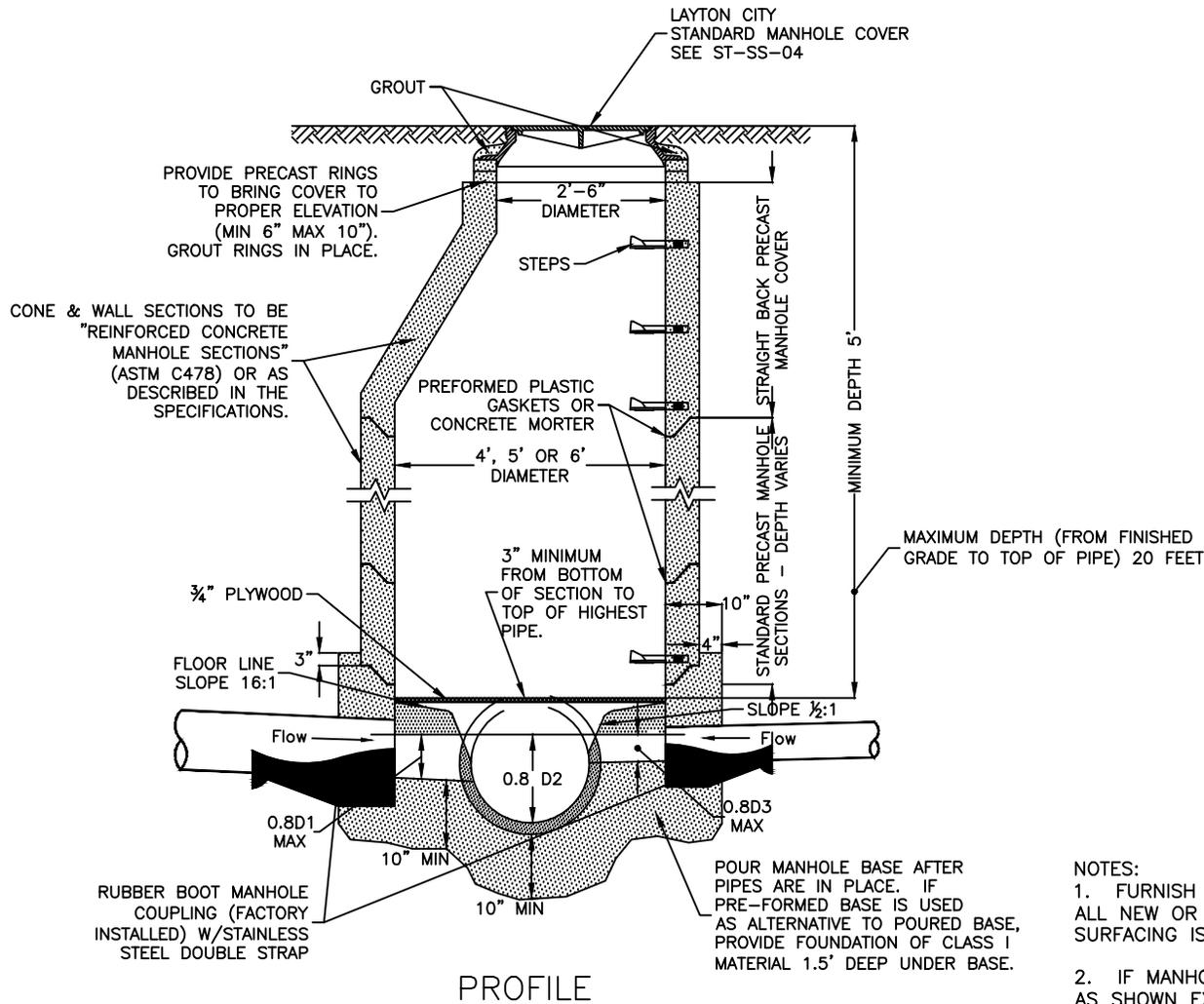
APRIL 2016

James Woodruff, City Engineer
Shannon Hansen, Assistant City Engineer – Development
Stephen Jackson, Assistant City Engineer – Capital Projects
Staff Engineers: Ryan Bankhead, Ashley Thoman, Mark Stenquist, Stacy Majewski, Amy Bean

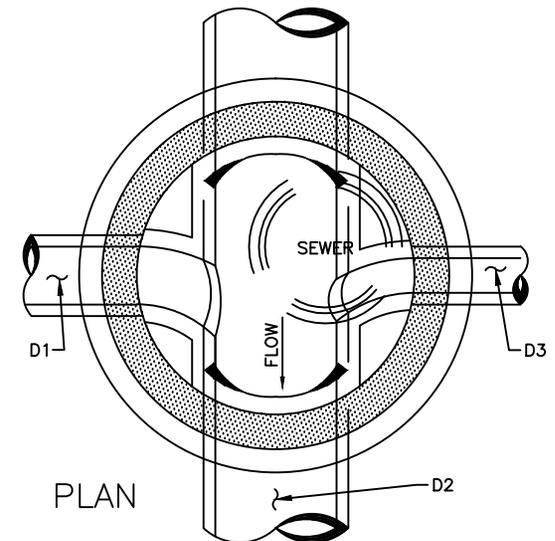
SANITARY SEWER DRAWINGS INDEX

DETAIL NAME	ABBREV.	PAGE #
Standard Manhole	STRD MH	ST-SS-01
Standard Connection to Existing Manhole	MH-EX-CONN	ST-SS-02
Drop Manhole w/ Manhole on Outside Sweep	DROPMH2MH45°	ST-SS-03
Manhole Cover	SSMH-LID	ST-SS-04
Sanitary Sewer Service Connection	SSCONN	ST-SS-05
Manhole and Valve Box Marker	MHMARKER	ST-SS-06

STANDARD MANHOLE



STEP DETAIL

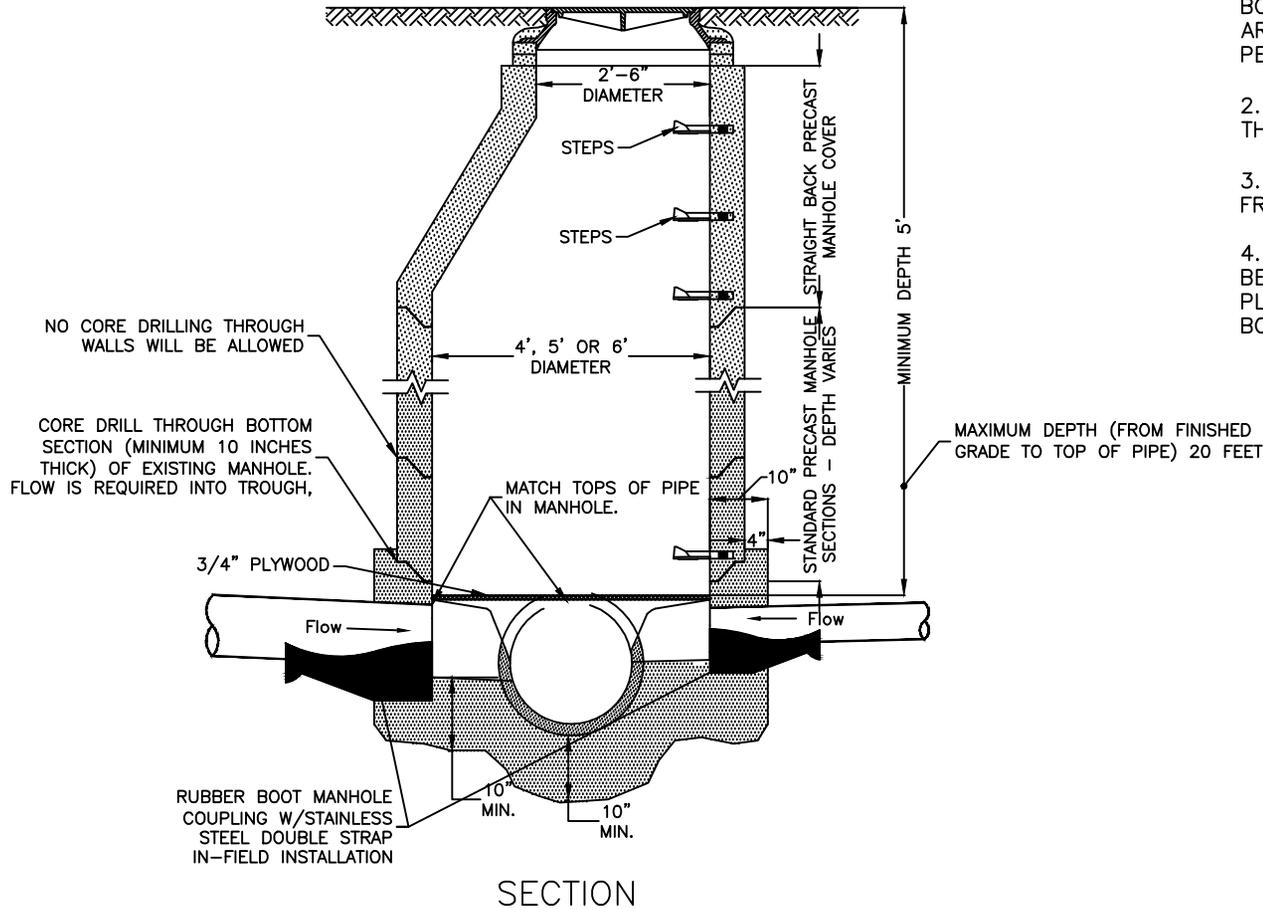


NOTES:

1. FURNISH AND INSTALL 3/4" PLYWOOD FALSE BOTTOM COVER IN ALL NEW OR EXISTING MANHOLES AROUND WHICH GRADING OR SURFACING IS BEING PERFORMED.
2. IF MANHOLE IS TO BE POURED IN PLACE FOLLOW SAME PATTERN AS SHOWN EXCEPT USE 8" MIN. WALL THICKNESS.
3. PROVIDE STUBS WHERE SHOWN ON THE PLAN DRAWINGS.
4. MANHOLES MAY BE 4', 5', OR 6' AS SHOWN ON THE PLAN DRAWINGS.
5. PROVIDE FLEXIBLE JOINTS IN PIPELINES, 18" FROM OUTSIDE FACE OF MANHOLE.
6. AFTER ALL GRADING AROUND MANHOLE HAS BEEN COMPLETED AND FINAL SURFACING IS IN PLACE, REMOVE DEBRIS AND TEMPORARY FALSE BOTTOM COVER.

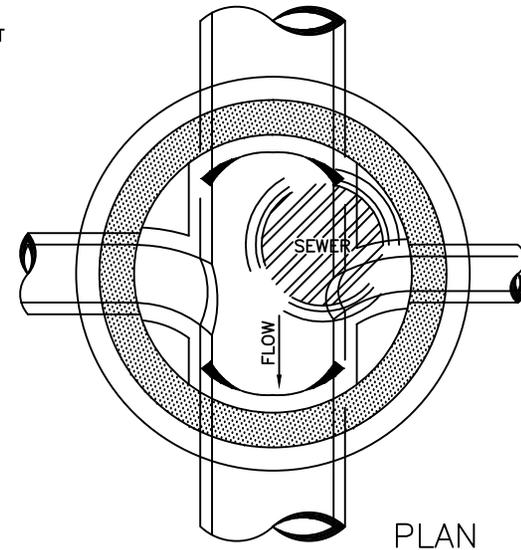
DRAWN BY DHR SCALE NONE DATE 3/96 REVISIONS		STANDARD DRAWING STRD-MH
		ST-SS-01

STANDARD CONNECTION TO EXISTING MANHOLE



NOTES:

1. FURNISH AND INSTALL 3/4" PLYWOOD FALSE BOTTOM COVER IN ALL NEW OR EXISTING MANHOLES AROUND WHICH GRADING OR SURFACING IS BEING PERFORMED.
2. MANHOLES MAY BE 4', 5', OR 6' AS SHOWN ON THE PLAN DRAWING.
3. PROVIDE FLEXIBLE JOINTS IN PIPELINES, 18" FROM OUTSIDE FACE OF MANHOLE.
4. AFTER ALL GRADING AROUND MANHOLE HAS BEEN COMPLETED AND FINAL SURFACING IS IN PLACE, REMOVE DEBRIS AND TEMPORARY FALSE BOTTOM COVER.

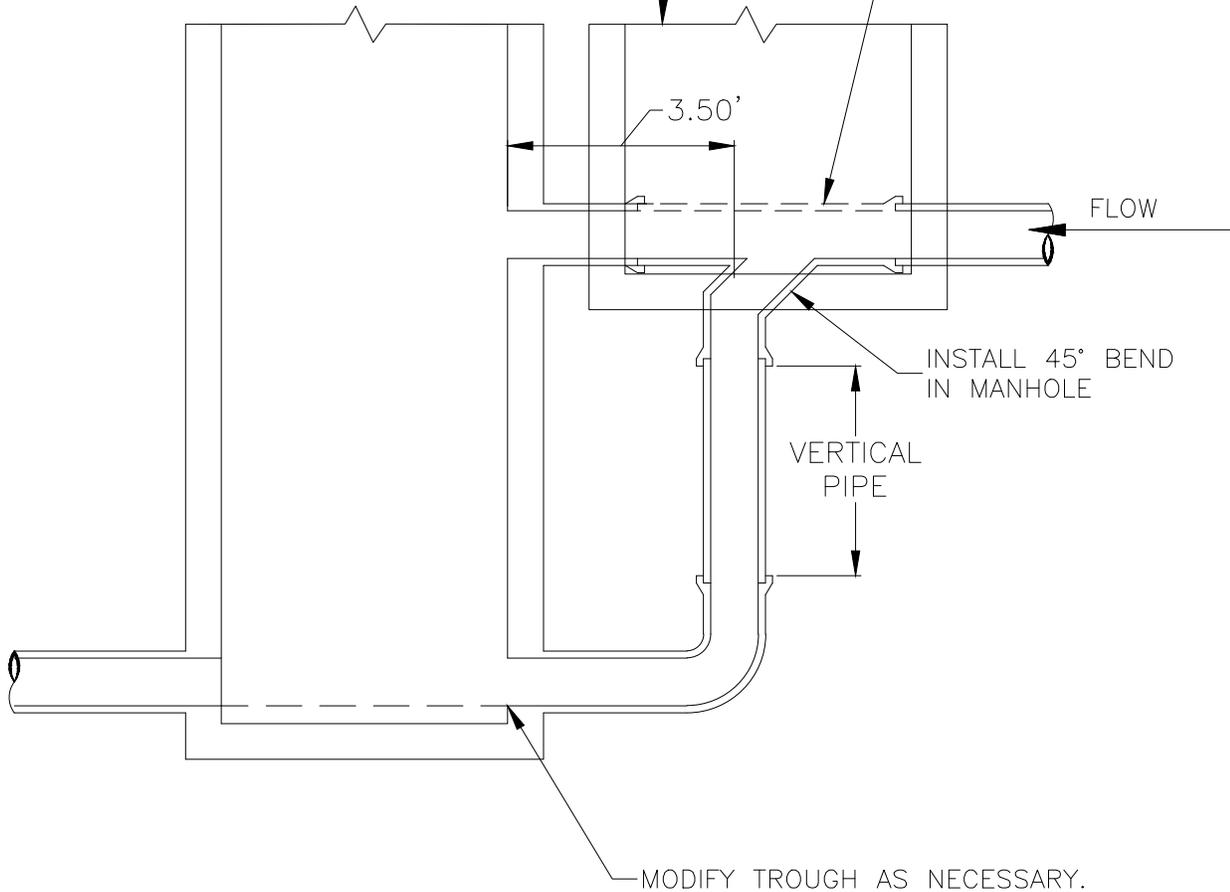


DRAWN BY DHR		STANDARD DRAWING
SCALE NONE		MH-EX-CONN
DATE 3/96		ST-SS-02
REVISIONS		

DROP MANHOLE WITH MANHOLE ON OUTSIDE DROP WITH 45° ON DROP

CONSTRUCT NEW 4' ϕ MANHOLE
NEXT TO STANDARD MANHOLE AND OVER
NEW OUTSIDE DROP. MANHOLE BOTTOM
TO MATCH FL OF EXISTING PIPE. SEE
STANDARD MANHOLE DRAWING (ST-SS-01).

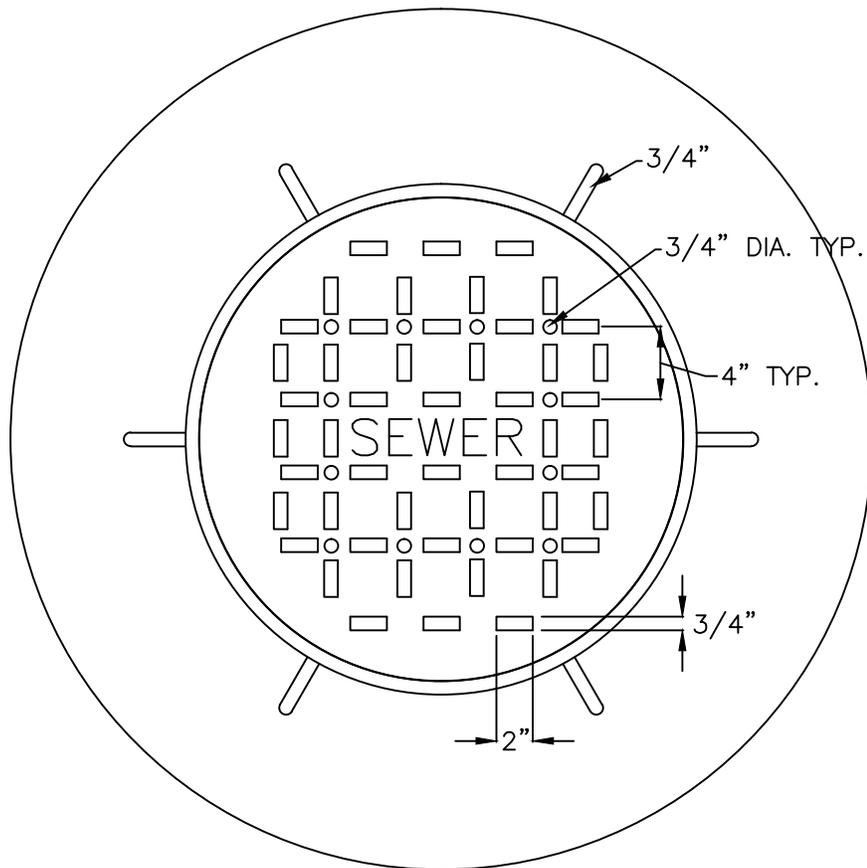
CUT AWAY TOP OF PIPE
TO ACCESS FOR CLEANING



SEE STANDARD MANHOLE
DRAWINGS ST-SS-01 AND
ST-SS-02 FOR MANHOLE
DIMENSIONS AND DETAILS.

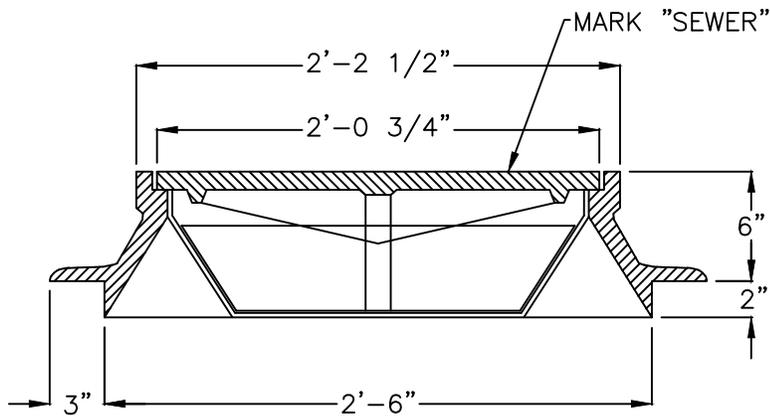
DRAWN BY SH	Layton City	STANDARD DRAWING	SEE STANDARD MANHOLE DRAWINGS ST-SS-01 AND ST-SS-02 FOR MANHOLE DIMENSIONS AND DETAILS.
SCALE NONE		DROP MH 2 MH 45'	
DATE 9/97		ST-SS-03	
REVISIONS			

MANHOLE COVER

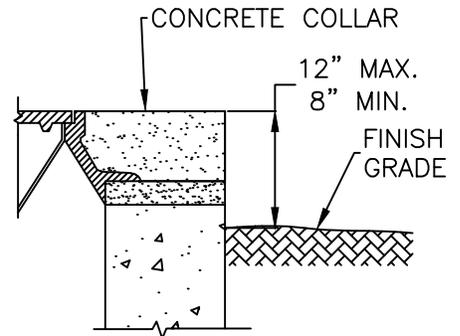


PLAN RING & COVER

STANDARD MANHOLE
 FRAME AND COVER
 EQUAL TO D & L
 SUPPLY A-1180
 MANHOLE RING & COVER
 (VENTED).



SECTION



DETAIL
 UNIMPROVED AREAS

NOTE: CONTRACTOR SHALL
 POUR A CONCRETE COLLAR
 (MIN. 12") AROUND THE CAST
 IRON RING, EVEN WHEN THE
 MANHOLE IS LOCATED IN AN
 UNIMPROVED LOCATION.

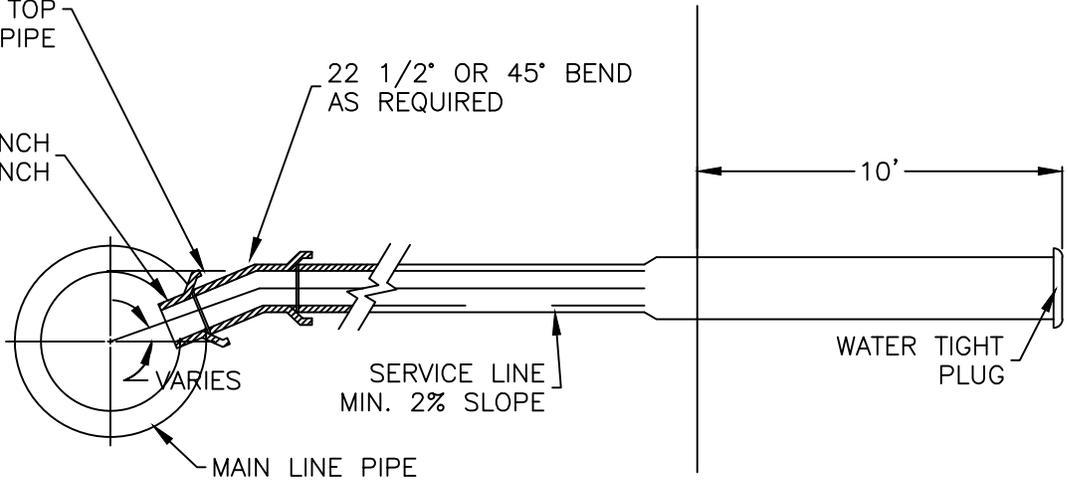
DRAWN BY DHR	Layton City	STANDARD DRAWING
SCALE NONE		SSMH-LID
DATE 9/93		ST-SS-04
REVISIONS		

SANITARY SEWER SERVICE CONNECTION

TOP OF SERVICE LINE IS
SAME ELEVATION AS TOP
OF MAIN LINE PIPE

4" 45° WYE BRANCH
OR TEE BRANCH

22 1/2° OR 45° BEND
AS REQUIRED



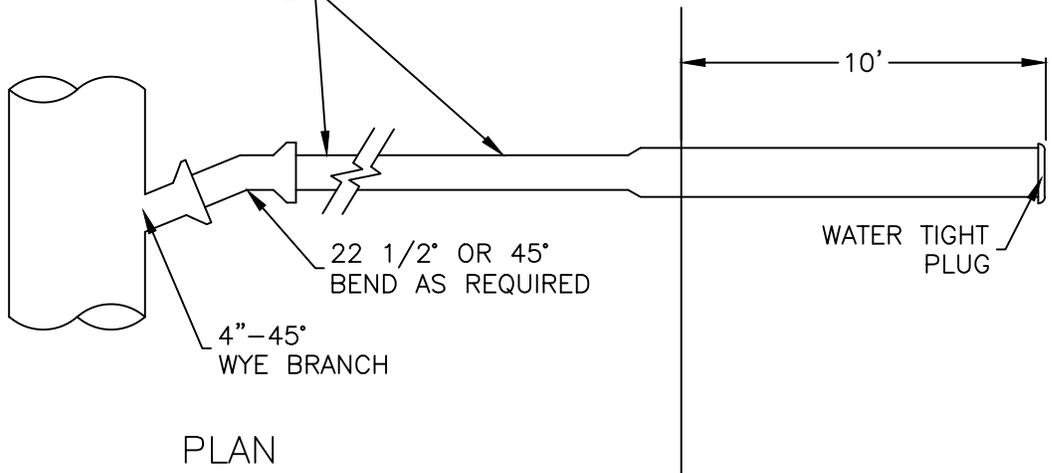
SECTION

PROPERTY LINE

4" PVC PIPE

22 1/2° OR 45°
BEND AS REQUIRED

4"-45°
WYE BRANCH

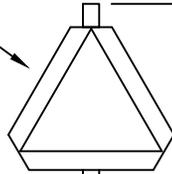


PLAN

DRAWN BY DHR	<h2 style="margin: 0;">Layton City</h2>	STANDARD DRAWING
SCALE NONE		SS-CON
DATE 9/99		ST-SS-05
REVISIONS 3/12		

MANHOLE & VALVE BOX MARKER

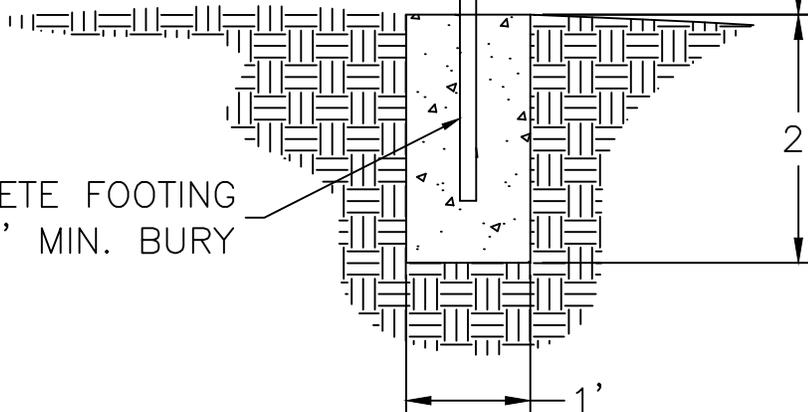
ORANGE TRIANGLE W/
REFLECTIVE TAPE
BOTH SIDES OF PIPE



1 1/2" GALV. PIPE



6' MIN.



CONCRETE FOOTING
2' MIN. BURY



DRAWN BY
RB
SCALE
NONE
DATE
3/10
REVISIONS
3/12

Layton
City

STANDARD
DRAWING

MH MARKER

ST-SS-06