



























## SEWER NOTES

1. GRAVITY SEWER PIPE

UNLESS OTHERWISE NOTED OR APPROVED, ALL GRAVITY MAINS AND SERVICE LATERALS SHALL BE UNPLASTICIZED POLYVINYL CHLORIDE (PVC). NON-PRESSURE PIPE CONFORMING TO ASTM D3034 AND SDR 35 WITH INTEGRAL WALL BELL AND SPIGOT JOINTS FOR PUSH-ON RUBBER GASKET TYPE JOINT SEALS CONFORMING TO ASTM D1369.

2. MANHOLE CONNECTIONS

CONNECTIONS OF PVC PIPE TO NEW MANHOLES SHALL BE MADE WITH FLEXIBLE BOOT MANHOLE COUPLINGS CONFORMING TO ASTM C923. CONNECTIONS TO EXISTING MANHOLES SHALL BE MADE BY USING PVC MANHOLE ADAPTORS WITH AN EXTERNAL SURFACE OF EPOXY AND SAND OR EQUAL AS APPROVED BY THE CITY.

ALL CONNECTIONS TO EXISTING MANHOLES SHALL HAVE A WATER TIGHT TEMPORARY MECHANICAL PLUG UNTIL REMOVAL IS AUTHORIZED BY THE CITY.

3. MANHOLES

ALL MANHOLES SHALL BE PAINTED ON THE INSIDE AND OUTSIDE SURFACES (INCLUDING CONNECTIONS AND JOINTS) WITH TWO (2) COATS OF KOPPER 300M OR APPROVED EQUAL. ALL COATINGS SHALL BE APPLIED AFTER PRELIMINARY INSPECTION (ONE COAT RED AND ONE COAT BLACK OR OTHER APPROVED ALTERNATE METHOD).

MANHOLES SHALL BE SET PLUMB TO LINE AND GRADE, AND MUST BE INSPECTED BY THE CITY OF TAMARAC UTILITIES DEPARTMENT BEFORE INSTALLATION.

4. MANHOLE FRAME, COVER AND INFLOW GUARD

A.) MANHOLE FRAMES AND COVERS SHALL BE CAST IRON, HEAVY DUTY. MANUFACTURED BY U.S. FOUNDRY, NEENAH OR EQUAL. SOLID INDENTED COVERS SHALL BE MARKED "SANITARY SEWER" AND SHALL HAVE CONCEALED PICKHOLES.

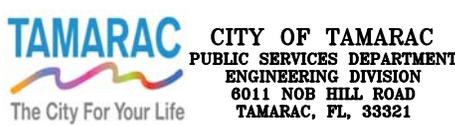
B.) WATERTIGHT MANHOLE INFLOW GUARDS SHALL BE MANUFACTURED OF HIGH DENSITY POLYETHYLENE EQUAL TO FOSROC SEWER INFLOW GUARDS OR APPROVED EQUAL, MEETING THE REQUIREMENTS OF ASTM D-1248 CLASS A, CATEGORY 5. THE INSERT SHALL ALLOW EASY INSTALLATION WITHIN THE MANHOLE FRAME. THE DEPTH OF THE INSERT SHALL BE SUCH THAT THE MANHOLE COVER DOES NOT COME IN CONTACT WITH THE VALVES WHEN FLIPPED DURING REMOVAL OR REPLACEMENT.

C.) THE GASKET SHALL MEET THE REQUIREMENTS OF ASTM D-395, D-1564, D-624, AND D-1667. THE GASKET SHALL BE HEAT WELDED TO THE INSERT.

5. GRAVITY SEWER INSTALLATION

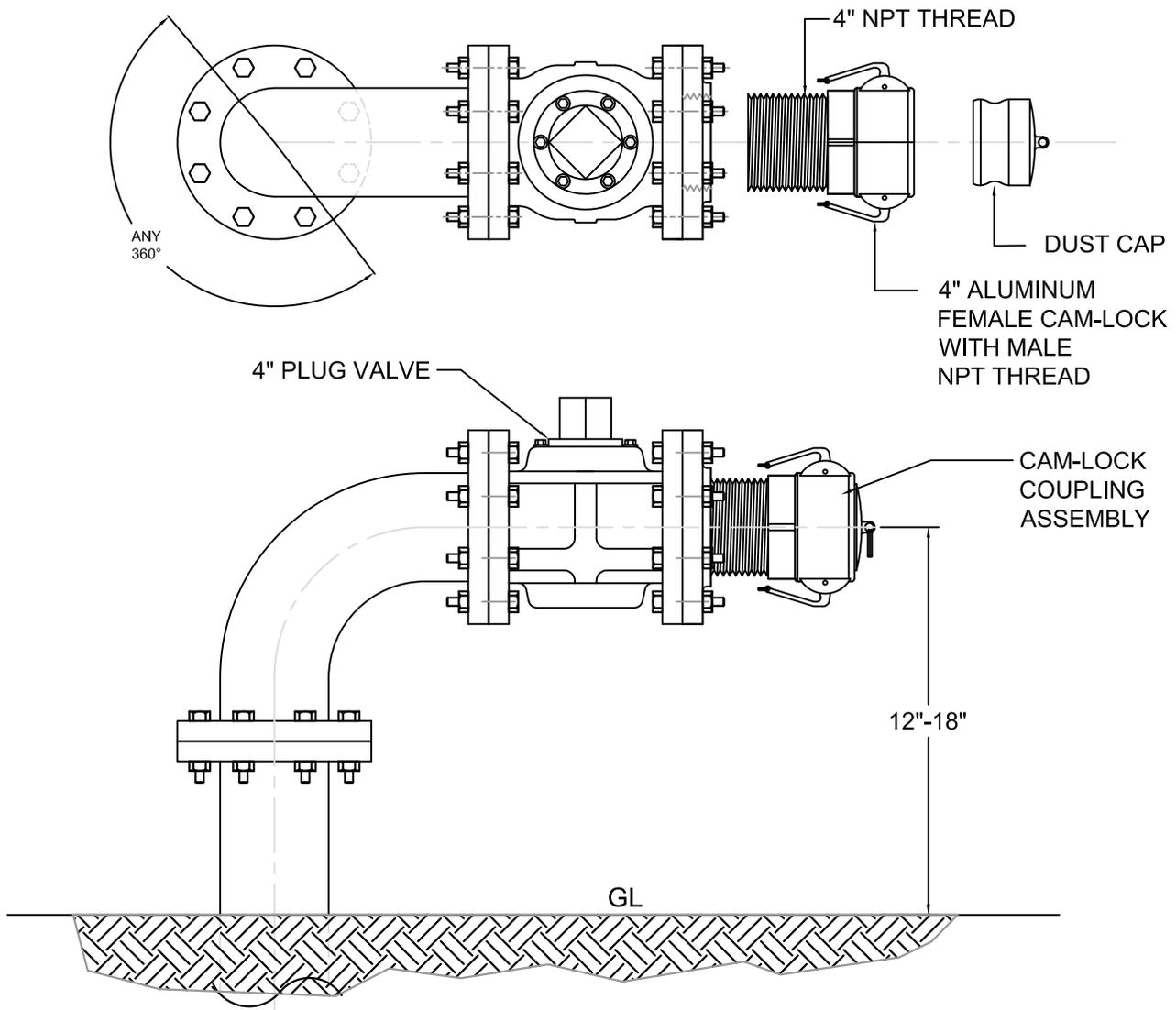
A.) UPON COMPLETION OF THE FINAL GRADE OF ROAD AND PRIOR TO PLACEMENT OF ASPHALT A VISUAL INSPECTION BY LAMPING SHALL BE MADE OF THE COMPLETED SYSTEM ALONG WITH A LOW PRESSURE AIR TEST. AFTER ALL OTHER TESTING HAS BEEN COMPLETED A T.V. INSPECTION SHALL BE MADE BY THE DEVELOPER AND APPROVED BY THE CITY, BEFORE THE LINES ARE ACCEPTED FOR MAINTENANCE. (TAMARAC CODE SECTION 24-38 C).  
IN THE EVENT THE CITY INSPECTOR IS NOT SATISFIED WITH THE LAMPING TEST THE CITY INSPECTOR CAN REQUEST A MANDREL INSPECTION.

B.) AT THE END OF THE ONE (1) YEAR WARRANTY PERIOD THE DEVELOPER WILL T.V. INSPECT, AIR TEST EVERY JOINT, AND CHECK MANHOLE JOINTS AND CONNECTIONS TO DETERMINE IF REPAIRS ARE NECESSARY, BEFORE THE WARRANTY BOND IS RELEASED.

	STANDARD DETAIL	REVISIONS			
	SEWER NOTES FIGURE SAN- 14	No.	Date	Remarks	By
		Drawn By:	Date:	Approved By:	Date:







EMERGENCY PUMP OUT DETAIL  
FOR SANITARY LIFT STATION

REVISIONS				
No.	Date	Remarks	By	
A	3/29/16		MD	
Drawn By: MPD		Date: 3/29/16	Approved By: XX	Date: K-X-X