



MARICOPA COUNTY
Department of Transportation

MEMORANDUM

Date: April 16, 2013

To: MAG Specifications and Details Committee

From: Robert Herz, MCDOT Representative

Subject: Delete Section 737 ASBESTOS-CEMENT PIPE AND FITTINGS FOR **Case 13-11**
STORM DRAIN AND SANITARY SEWER

PURPOSE: Prevent the use of asbestos-cement pipe for storm drain and sanitary sewer installations.

REVISIONS: Delete Section 737 in its entirety and revise all references to section 737. Section 737 is only referenced in section 605.3.

Proposed Section 605 Changes:

SECTION 605
SUBDRAINAGE

605.1 DESCRIPTION:

The subdrainage system shall be constructed in accordance with the notes and details shown on the plans and the applicable provisions of these specifications except as modified in the special provisions.

605.2 CONCRETE:

All concrete placed in drainage structures, subdrain outlets, pipe collars, and similar features of the subdrainage system shall conform to the applicable provisions of Section 725.

605.3 SUBDRAINAGE PIPE:

Subdrainage pipe, both perforated and non-perforated, shall be either bell and spigot concrete, bell and spigot vitrified clay, or corrugated metal pipe, ~~or asbestos cement pipe~~ as shown on the plans or specified in the special provisions. However, if the particular kind of pipe is not shown on the plans nor specified in the special provisions, subdrainage pipe shall be concrete pipe of at least standard strength quality and shall conform to the requirements of Section 736. Vitrified clay pipe shall conform to the requirements of Section 743. ~~Asbestos cement pipe shall conform to the requirements of Section 737.~~ Corrugated metal pipe shall conform to the requirements of Section 760.

605.3.1 Pipe Joints: Unless the pipe joints are of a self-aligning type, have the bottom half of the bell joint filled with mortar to securely hold the pipe in alignment and to bring the inner surface of abutting pipes flush and even. Where a tight joint for non-perforated pipe is required, the bell joint shall be completely filled with mortar.

~~Asbestos cement pipe joints shall be made with couplings in accordance with the recommendations of the pipe manufacturer.~~

605.4 SUBDRAINAGE MANHOLES:

Subdrainage manholes, including inlets, outlets, flap gates, gate boxes, and drop steps, shall comply with the requirements of the plans and the special provisions.