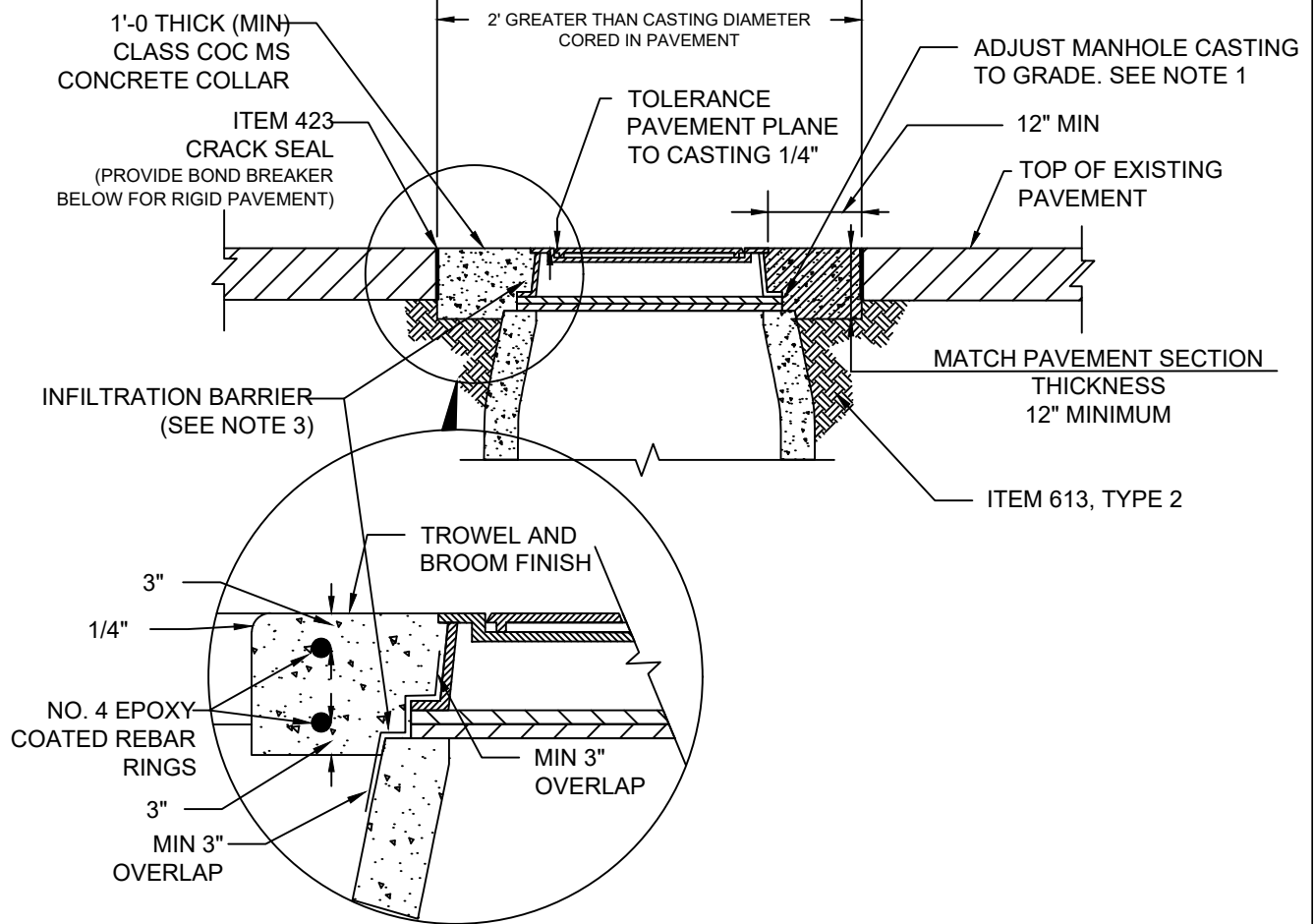


OPTION 1: ASPHALT AND CONCRETE PAVEMENTS ONLY



NOTES:

ADJUSTMENTS TO GRADE SHALL BE COMPLETED BY ONE OF THE FOLLOWING METHODS:

1. GRADE ADJUSTMENTS WITH ADJUSTING RINGS: 9-INCHES IS THE MAXIMUM ALLOWABLE HEIGHT FOR ADJUSTING RINGS (FOR EXISTING AND NEW STRUCTURES)
 - 1.1. REMOVE AND CLEAN THE EXISTING CASTING; FURNISH AND INSTALL PRECAST CONCRETE ADJUSTMENT RINGS
 - 1.2. SEALANT IS REQUIRED BETWEEN STRUCTURE, ADJUSTMENT RINGS AND CASTING, CONFORMING TO 706.10 OR MANUFACTURER RECOMMENDATIONS
2. ADJUSTMENTS WITHOUT ADJUSTING RINGS:
 - 2.2. PRECAST CONCRETE SECTIONS:
 - 2.2.1. REMOVE AND CLEAN THE EXISTING CASTING;
 - 2.2.2. REMOVE AND REPLACE PRECAST CONCRETE COLLAR GRADE RINGS AS NECESSARY. RESET THE CASTING IN A BED OF TYPE S MORTAR.
 - 2.3. BRICK / MASONRY SECTIONS
 - 2.3.1. REMOVE AND REPLACE MASONRY COURSES DOWN TO THE FIRST FULL SOLID COURSE
 - 2.3.2. REPLACE MASONRY COURSES AND ADJUST THE HEIGHT OF SUPPORTING WALLS AS NECESSARY, AND RESET THE CASTING IN A BED OF TYPE S MORTAR. PARGE INSIDE AND OUTSIDE OF CHIMNEY
 - 2.3.3. ROUND COLLARS SHALL NOT BE USED IN BRICK SURFACE STREETS
3. INSTALL INFILTRATION BARRIER WHEN SPECIFIED:
 - 3.1. OPTION 1: ITEM 512 TYPE A WATERPROOFING
 - 3.2. OPTION 2: WRAPID SEAL MEMBRANE OR APPROVED EQUAL

OPTION 1

**ROADWAY CASTING
ADJUSTMENTS TO GRADE**

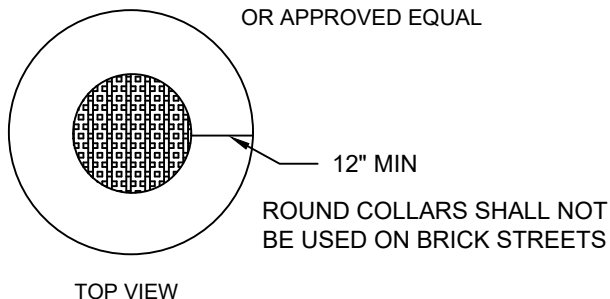
CITY OF COLUMBUS, OHIO
DEPARTMENT OF PUBLIC SERVICE
DIVISION OF DESIGN AND CONSTRUCTION

CITY ENGINEER

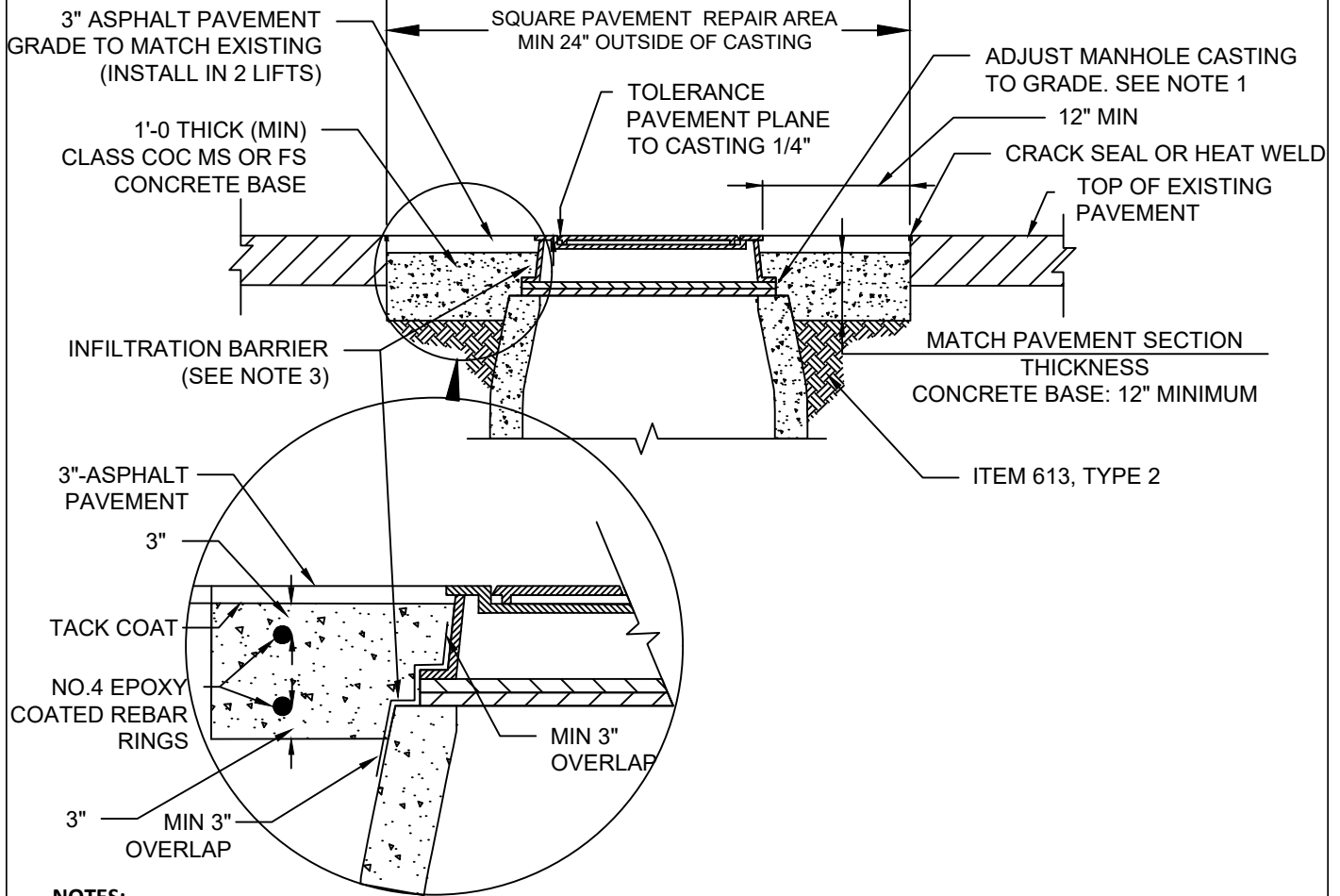
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SHT 1 OF 2



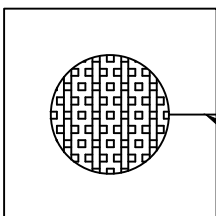
OPTION 2: ASPHALT AND BRICK PAVEMENTS ONLY



NOTES:

ADJUSTMENTS TO GRADE SHALL BE COMPLETED BY ONE OF THE FOLLOWING METHODS:

1. GRADE ADJUSTMENTS WITH ADJUSTING RINGS: 9-INCHES IS THE MAXIMUM ALLOWABLE HEIGHT FOR ADJUSTING RINGS (FOR EXISTING AND NEW STRUCTURES)
 - 1.1. REMOVE AND CLEAN THE EXISTING CASTING; FURNISH AND INSTALL PRECAST CONCRETE ADJUSTMENT RINGS
 - 1.2. SEALANT IS REQUIRED BETWEEN STRUCTURE, ADJUSTMENT RINGS AND CASTING, CONFORMING TO 706.10 OR MANUFACTURER RECOMMENDATIONS
2. ADJUSTMENTS WITHOUT ADJUSTING RINGS:
 - 2.2. PRECAST CONCRETE SECTIONS:
 - 2.2.1. REMOVE AND CLEAN THE EXISTING CASTING;
 - 2.2.2. REMOVE AND REPLACE PRECAST CONCRETE COLLAR GRADE RINGS AS NECESSARY. RESET THE CASTING IN A BED OF TYPE S MORTAR.
 - 2.3. BRICK / MASONRY SECTIONS
 - 2.3.1. REMOVE AND REPLACE MASONRY COURSES DOWN TO THE FIRST FULL SOLID COURSE
 - 2.3.2. REPLACE MASONRY COURSES AND ADJUST THE HEIGHT OF SUPPORTING WALLS AS NECESSARY, AND RESET THE CASTING IN A BED OF TYPE S MORTAR. PARGE INSIDE AND OUTSIDE OF CHIMNEY
3. INSTALL INFILTRATION BARRIER WHEN SPECIFIED:
 - 3.1. OPTION 1: ITEM 512 TYPE A WATERPROOFING
 - 3.2. OPTION 2: WRAPID SEAL MEMBRANE OR APPROVED EQUAL



SQUARE COLLARS SHALL BE USED FOR ALL BRICK STREETS

12" MIN

TOP VIEW

OPTION 2

**ROADWAY CASTING
ADJUSTMENTS TO GRADE**

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DIVISION OF DESIGN AND CONSTRUCTION

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