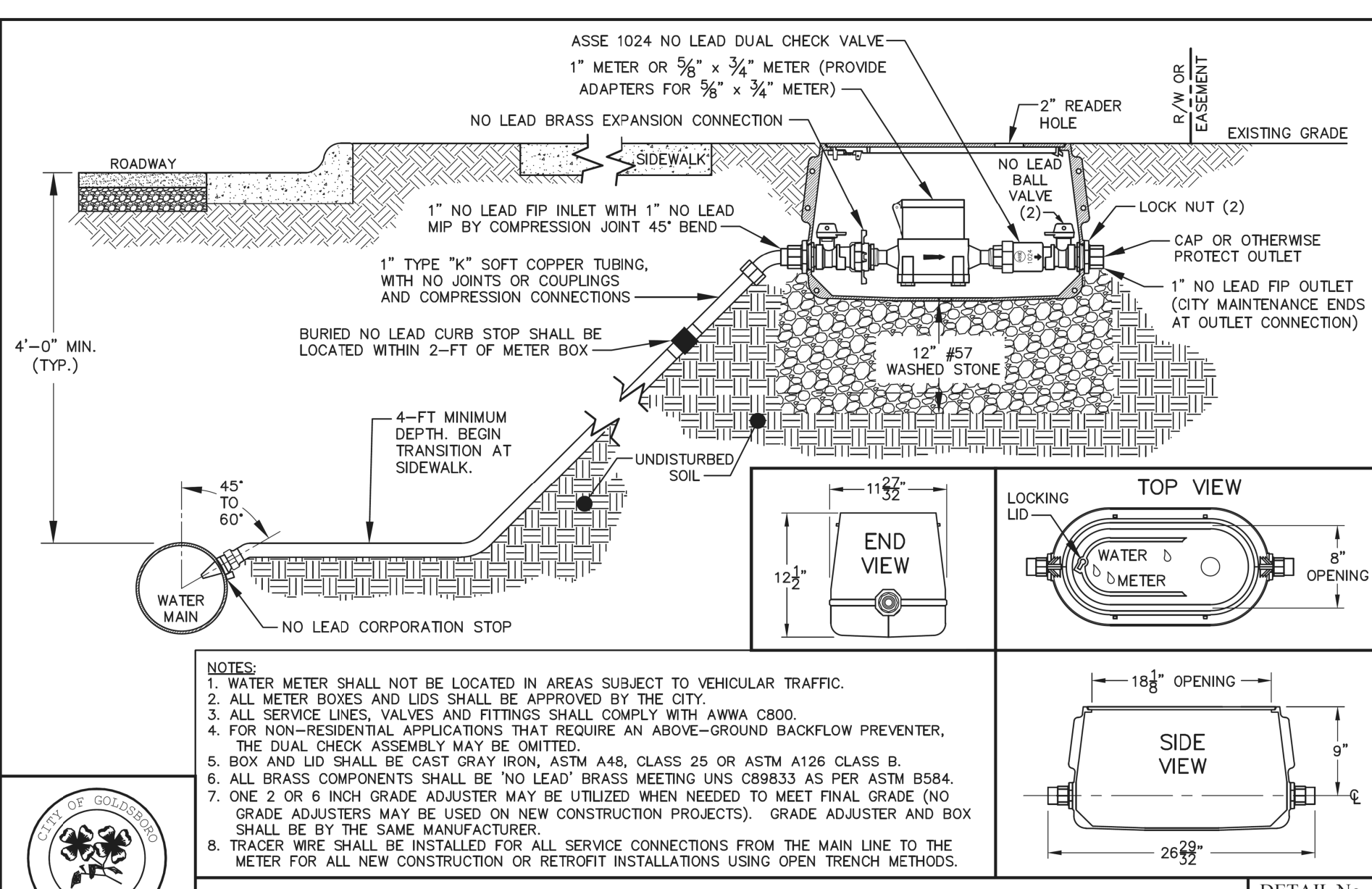


5/14/19

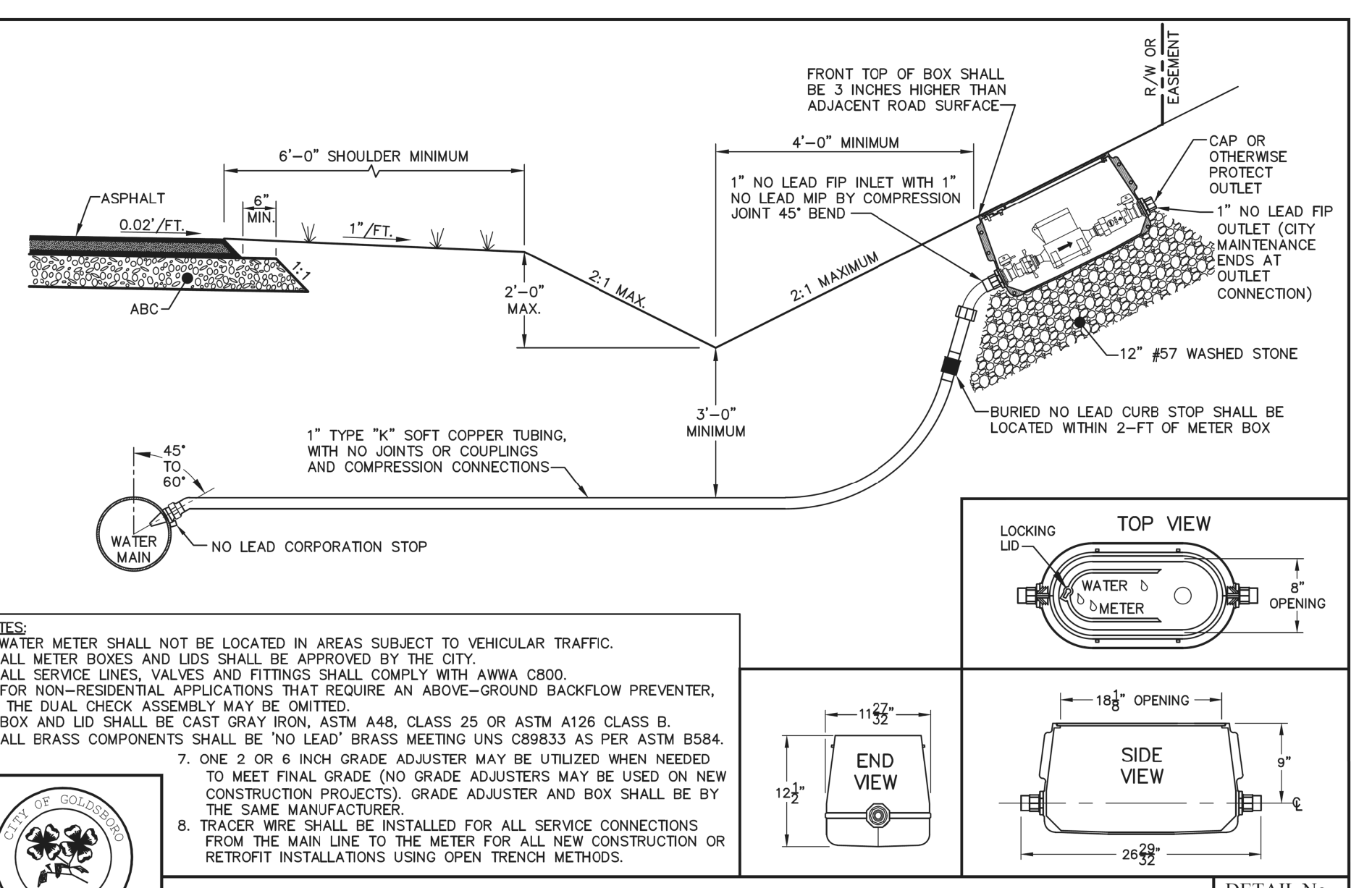
Kimley»Horn
 421 FAYETTEVILLE STREET, SUITE 600
 RALEIGH, NC 27601

PROJECT REFERENCE NO. U-5724	SHEET NO. UC-3A
UTILITY DESIGN ENGINEER	
STANDARD DETAILS DESIGNED BY CITY OF GOLDSBORO	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



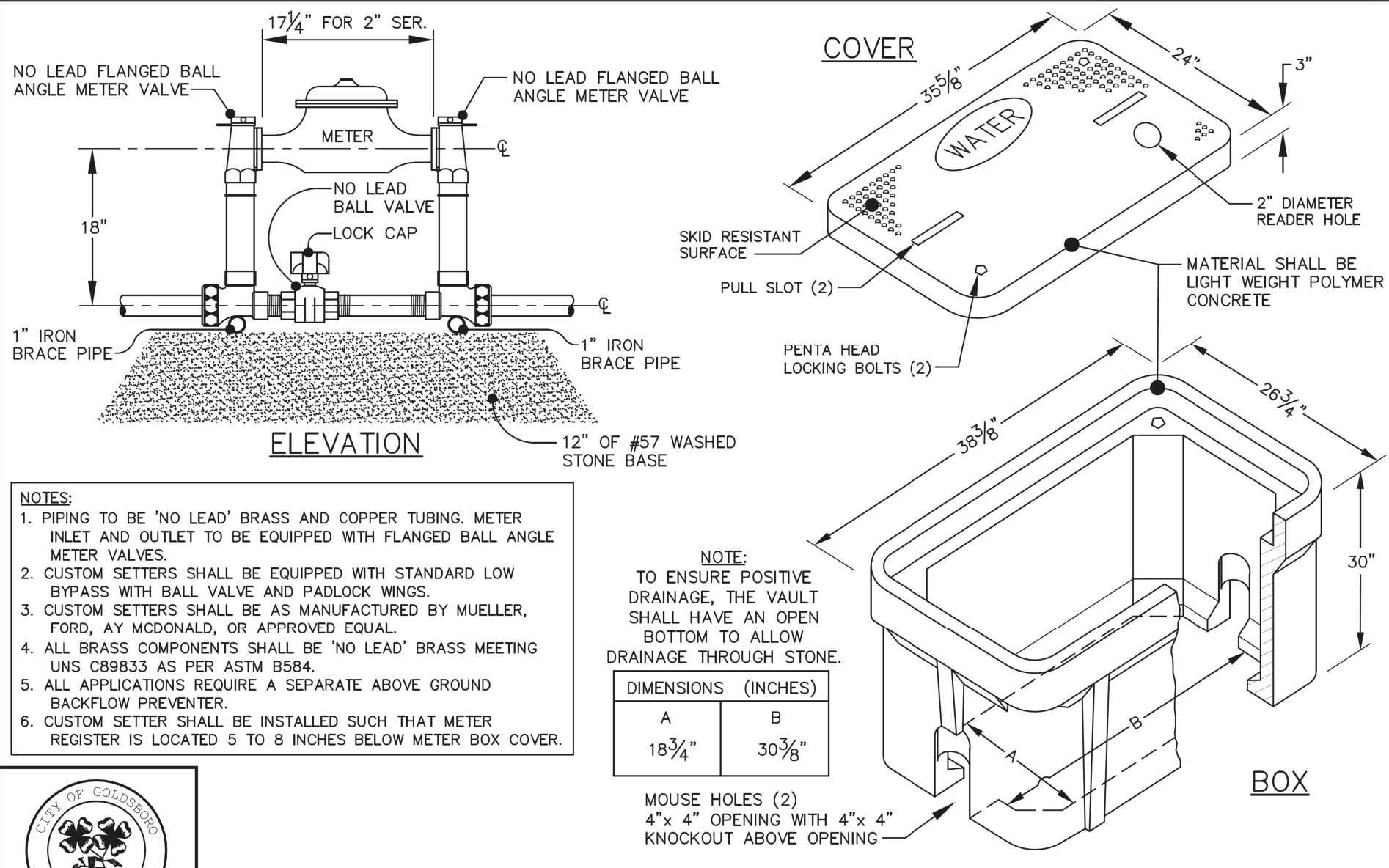
- NOTES:**
1. WATER METER SHALL NOT BE LOCATED IN AREAS SUBJECT TO VEHICULAR TRAFFIC.
 2. ALL METER BOXES AND LIDS SHALL BE APPROVED BY THE CITY.
 3. ALL SERVICE LINES, VALVES AND FITTINGS SHALL COMPLY WITH AWWA C800.
 4. FOR NON-RESIDENTIAL APPLICATIONS THAT REQUIRE AN ABOVE-GROUND BACKFLOW PREVENTER, THE DUAL CHECK ASSEMBLY MAY BE OMITTED.
 5. BOX AND LID SHALL BE CAST GRAY IRON, ASTM A48, CLASS 25 OR ASTM A126 CLASS B.
 6. ALL BRASS COMPONENTS SHALL BE 'NO LEAD' BRASS MEETING UNS C89833 AS PER ASTM B584.
 7. ONE 2 OR 6 INCH GRADE ADJUSTER MAY BE UTILIZED WHEN NEEDED TO MEET FINAL GRADE (NO GRADE ADJUSTERS MAY BE USED ON NEW CONSTRUCTION PROJECTS). GRADE ADJUSTER AND BOX SHALL BE BY THE SAME MANUFACTURER.
 8. TRACER WIRE SHALL BE INSTALLED FOR ALL SERVICE CONNECTIONS FROM THE MAIN LINE TO THE METER FOR ALL NEW CONSTRUCTION OR RETROFIT INSTALLATIONS USING OPEN TRENCH METHODS.

STANDARD 1" WATER SERVICE AND METER BOX INSTALLATION FOR ROADWAY WITH CURB AND GUTTER
 DETAIL No. 06000.01
 SHEET 1 OF 2



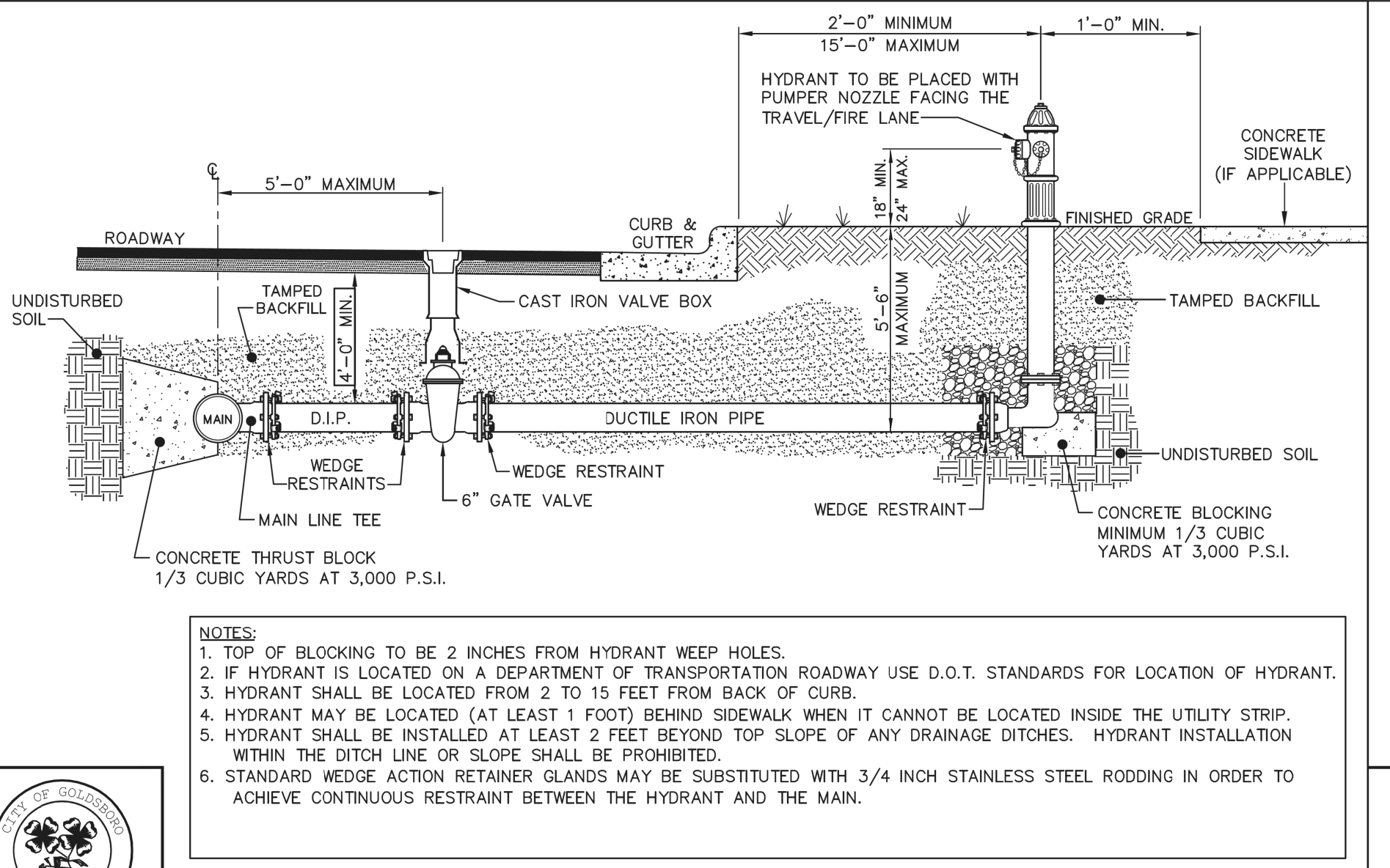
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 8. TRACER WIRE SHALL BE INSTALLED FOR ALL SERVICE CONNECTIONS FROM THE MAIN LINE TO THE METER FOR ALL NEW CONSTRUCTION OR RETROFIT INSTALLATIONS USING OPEN TRENCH METHODS.

STANDARD 1" WATER SERVICE AND METER BOX FOR ROADWAY WITHOUT CURB AND GUTTER
 DETAIL No. 06000.01
 SHEET 2 OF 2



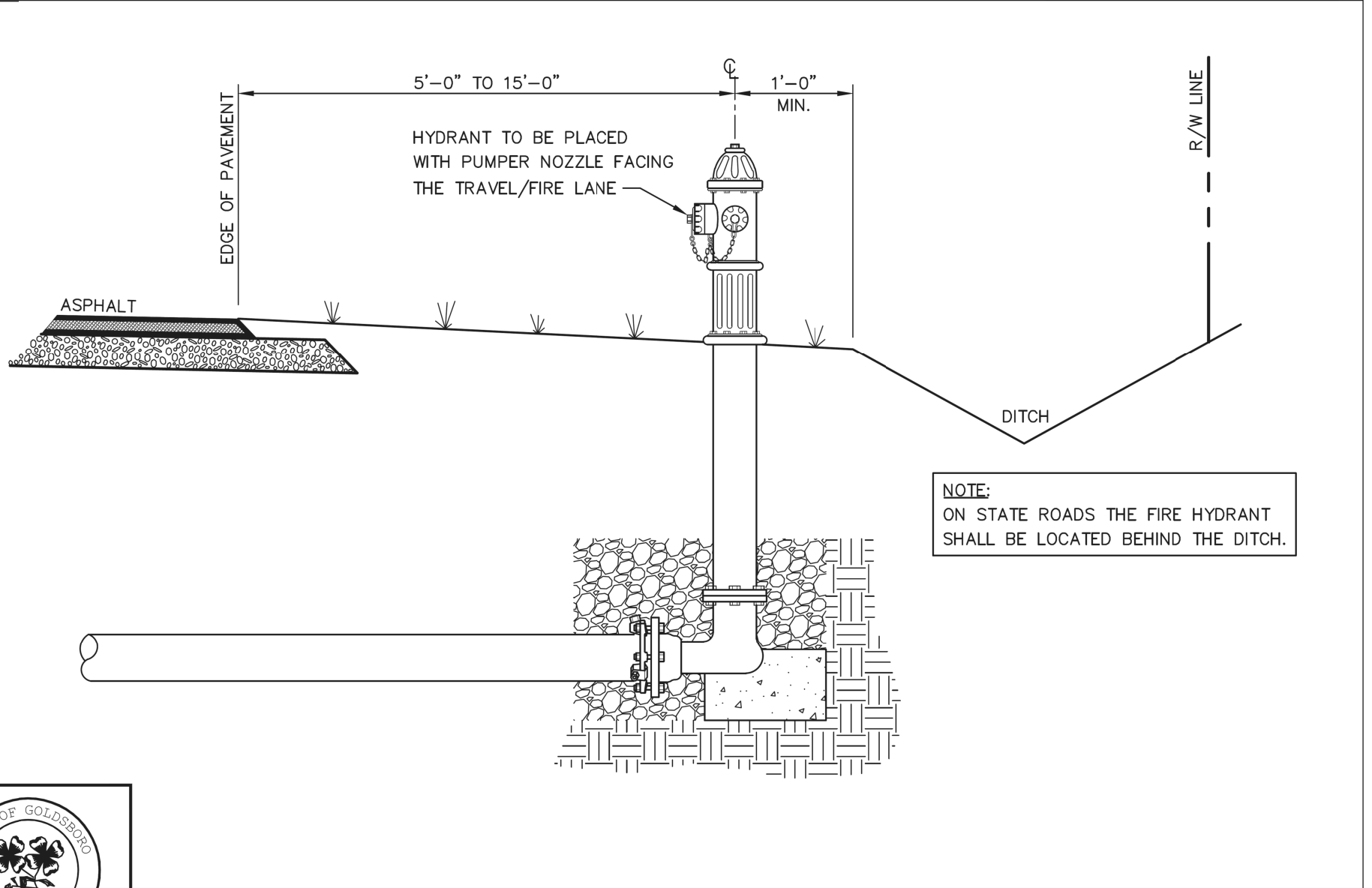
- NOTES:**
1. PIPING TO BE 'NO LEAD' BRASS AND COPPER TUBING. METER INLET AND OUTLET TO BE EQUIPPED WITH FLANGED BALL ANGLE METER VALVES.
 2. CUSTOM SETTERS SHALL BE EQUIPPED WITH STANDARD LOW BYPASS WITH BALL VALVE AND PADLOCK WINGS.
 3. CUSTOM SETTERS SHALL BE AS MANUFACTURED BY MUELLER, FORD, AY McDONALD, OR APPROVED EQUAL.
 4. ALL BRASS COMPONENTS SHALL BE 'NO LEAD' BRASS MEETING UNS C89833 AS PER ASTM B584.
 5. ALL APPLICATIONS REQUIRE A SEPARATE ABOVE GROUND BACKFLOW PREVENTER.
 6. CUSTOM SETTER SHALL BE INSTALLED SUCH THAT METER REGISTER IS LOCATED 5 TO 8 INCHES BELOW METER BOX COVER.
- NOTE:** TO ENSURE POSITIVE DRAINAGE, THE VAULT SHALL HAVE AN OPEN BOTTOM TO ALLOW DRAINAGE THROUGH STONE.
- | DIMENSIONS (INCHES) | |
|---------------------|---------|
| A | B |
| 18 3/4" | 30 3/8" |
- MOUSE HOLES (2)
 4" x 4" OPENING WITH 4" x 4" KNOCKOUT ABOVE OPENING

STANDARD 2" METER INSTALLATION AND VAULT
 DETAIL No. 06000.02
 SHEET 1 OF 1



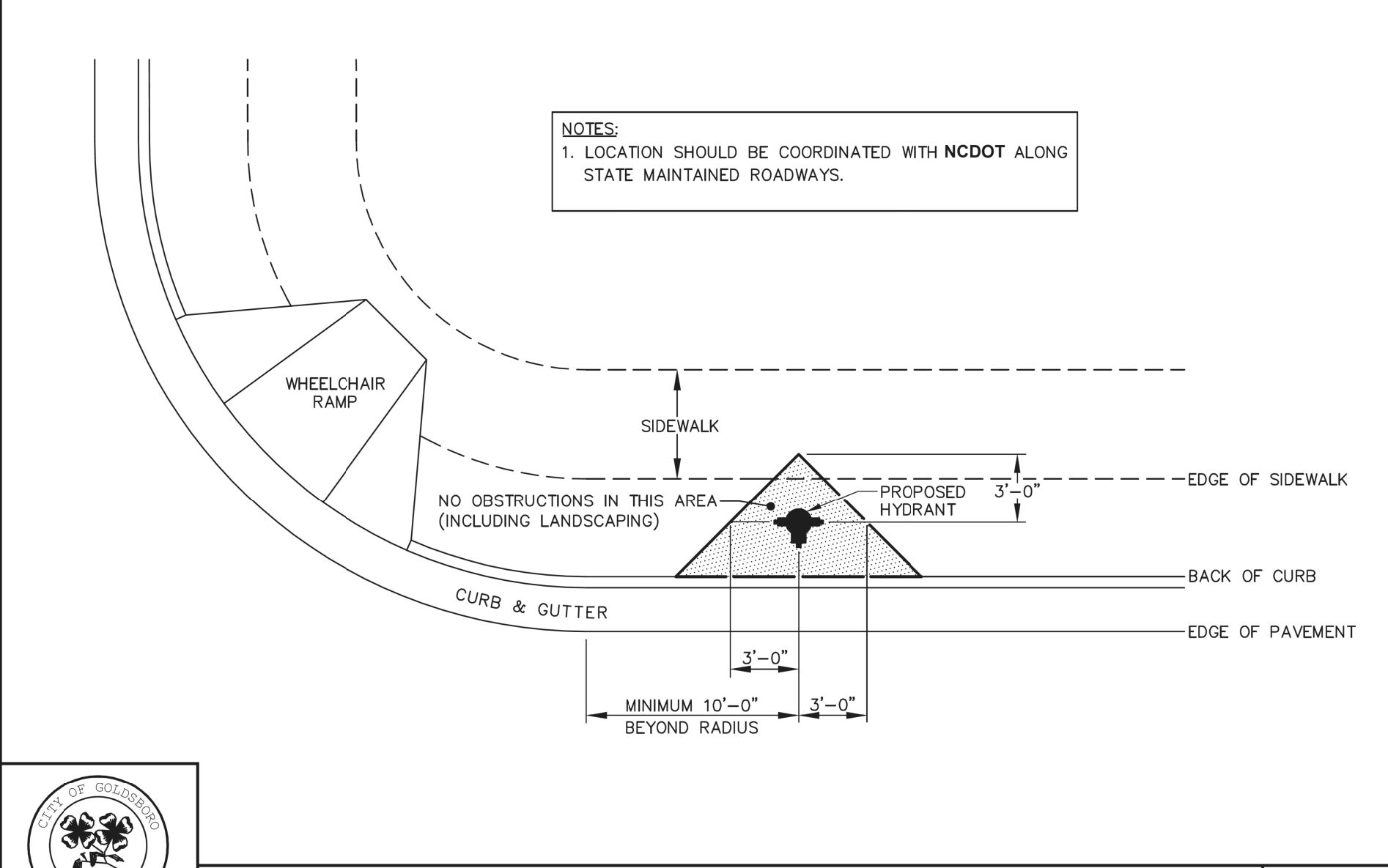
- NOTES:**
1. TOP OF BLOCKING TO BE 2 INCHES FROM HYDRANT WEEP HOLES.
 2. IF HYDRANT IS LOCATED ON A DEPARTMENT OF TRANSPORTATION ROADWAY USE D.O.T. STANDARDS FOR LOCATION OF HYDRANT.
 3. HYDRANT SHALL BE LOCATED FROM 2 TO 15 FEET FROM BACK OF CURB.
 4. HYDRANT MAY BE LOCATED (AT LEAST 1 FOOT) BEHIND SIDEWALK WHEN IT CANNOT BE LOCATED INSIDE THE UTILITY STRIP.
 5. HYDRANT SHALL BE INSTALLED AT LEAST 2 FEET BEYOND TOP SLOPE OF ANY DRAINAGE DITCHES. HYDRANT INSTALLATION WITHIN THE DITCH LINE OR SLOPE SHALL BE PROHIBITED.
 6. STANDARD WEDGE ACTION RETAINER GLANDS MAY BE SUBSTITUTED WITH 3/4 INCH STAINLESS STEEL RODDING IN ORDER TO ACHIEVE CONTINUOUS RESTRAINT BETWEEN THE HYDRANT AND THE MAIN.

STANDARD HYDRANT INSTALLATION FOR ROADS WITH CURB AND GUTTER
 DETAIL No. 06000.05
 SHEET 1 OF 2



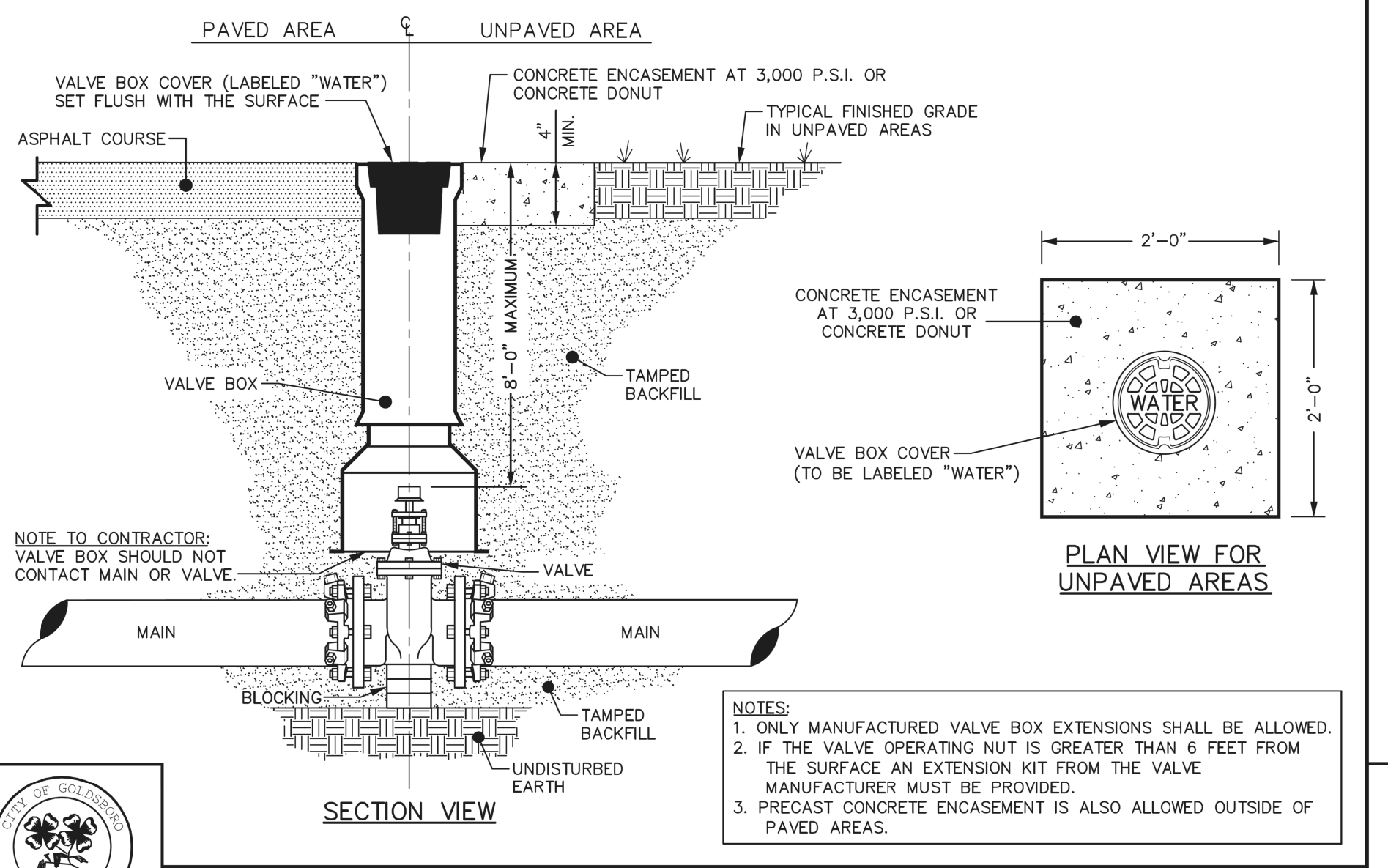
- NOTE:** ON STATE ROADS THE FIRE HYDRANT SHALL BE LOCATED BEHIND THE DITCH.

STANDARD HYDRANT INSTALLATION FOR ROADS WITHOUT CURB AND GUTTER
 DETAIL No. 06000.05
 SHEET 2 OF 2



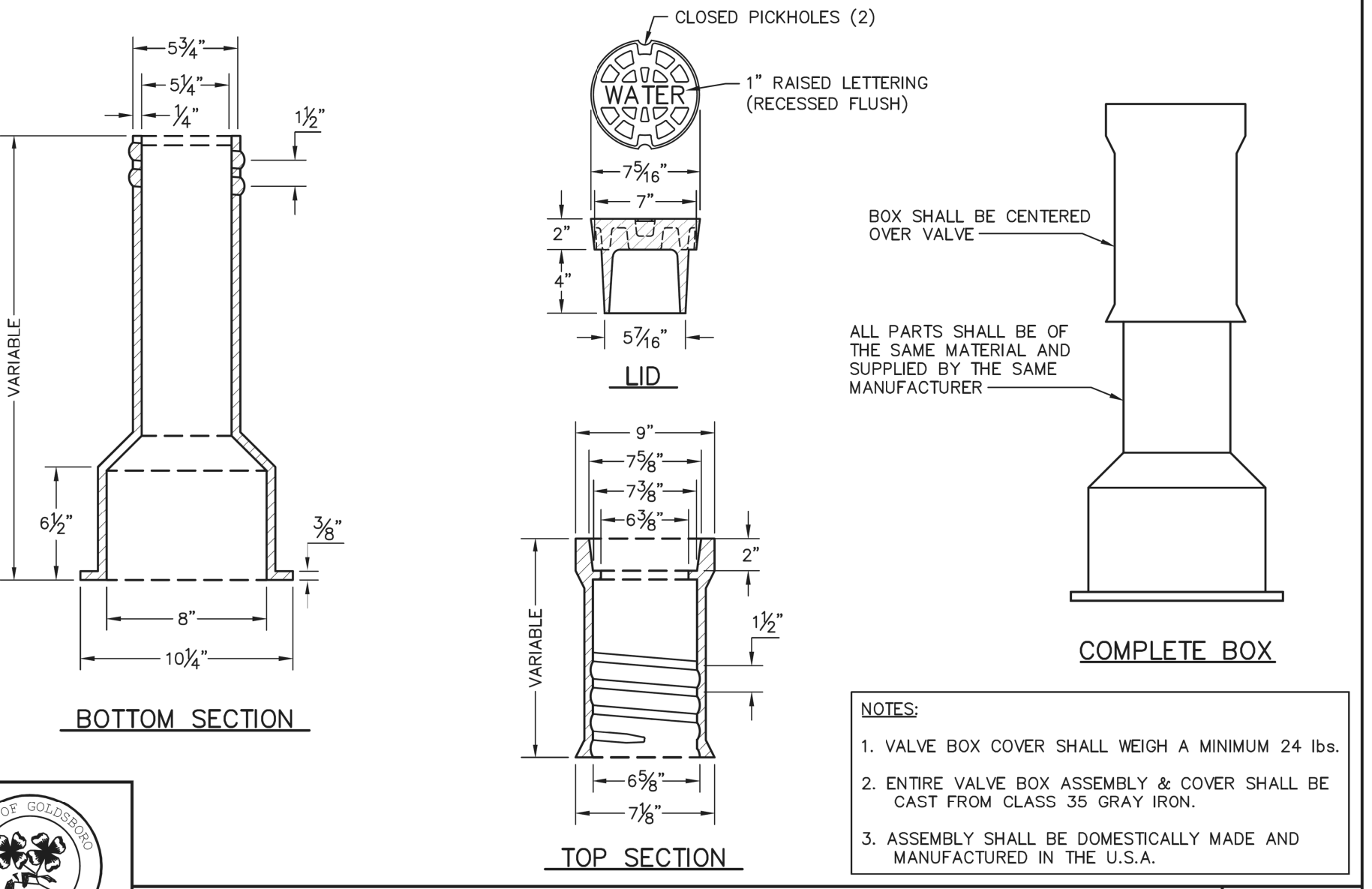
- NOTES:**
1. LOCATION SHOULD BE COORDINATED WITH NCDOT ALONG STATE MAINTAINED ROADWAYS.

STANDARD HYDRANT LOCATION
 DETAIL No. 06000.06
 SHEET 1 OF 2



- NOTES:**
1. ONLY MANUFACTURED VALVE BOX EXTENSIONS SHALL BE ALLOWED.
 2. IF THE VALVE OPERATING NUT IS GREATER THAN 6 FEET FROM THE SURFACE AN EXTENSION KIT FROM THE VALVE MANUFACTURER MUST BE PROVIDED.
 3. PRECAST CONCRETE ENCASMENT IS ALSO ALLOWED OUTSIDE OF PAVED AREAS.

STANDARD WATER VALVE BOX INSTALLATION
 DETAIL No. 06000.07
 SHEET 1 OF 3



- NOTES:**
1. VALVE BOX COVER SHALL WEIGH A MINIMUM 24 LBS.
 2. ENTIRE VALVE BOX ASSEMBLY & COVER SHALL BE CAST FROM CLASS 35 GRAY IRON.
 3. ASSEMBLY SHALL BE DOMESTICALLY MADE AND MANUFACTURED IN THE U.S.A.

STANDARD WATER VALVE BOX
 DETAIL No. 06000.07
 SHEET 2 OF 3

REVISIONS