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PROJECT REFERENCE NO.	SHEET NO.
R-5021	UC-3J
DESIGNED BY:	9/9/2011
DRAWN BY:	SEAL 10666
CHECKED BY:	STEPHEN SCRUGGS
APPROVED BY:	D. Stephen Scruggs
REVISED:	UTILITY CONSTRUCTION PLANS ONLY

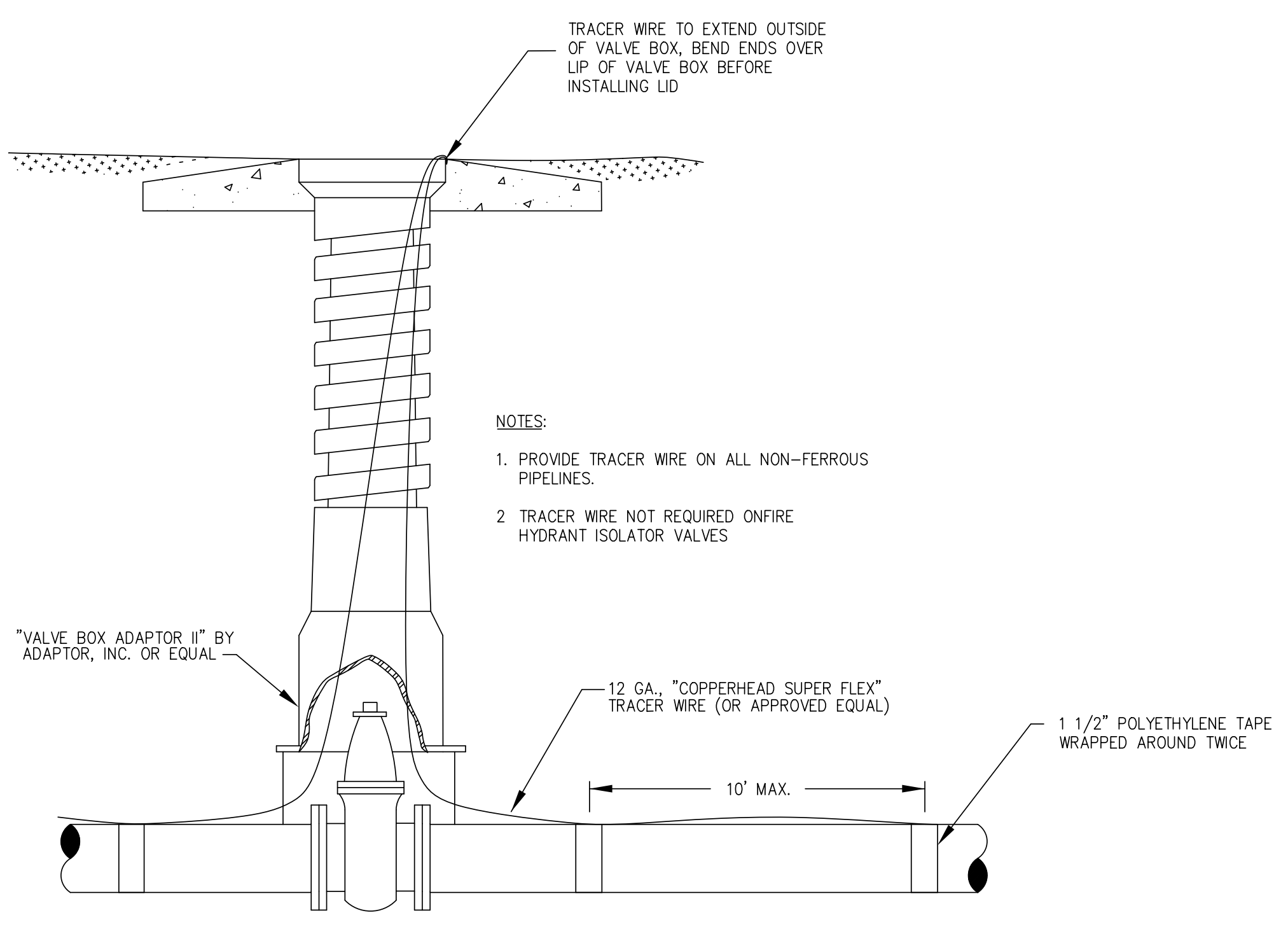
DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED

UTILITY CONSTRUCTION

COUNTY OF BRUNSWICK

GENERAL WATER & SEWER DETAILS
 FOR
BRUNSWICK COUNTY
 NORTH CAROLINA

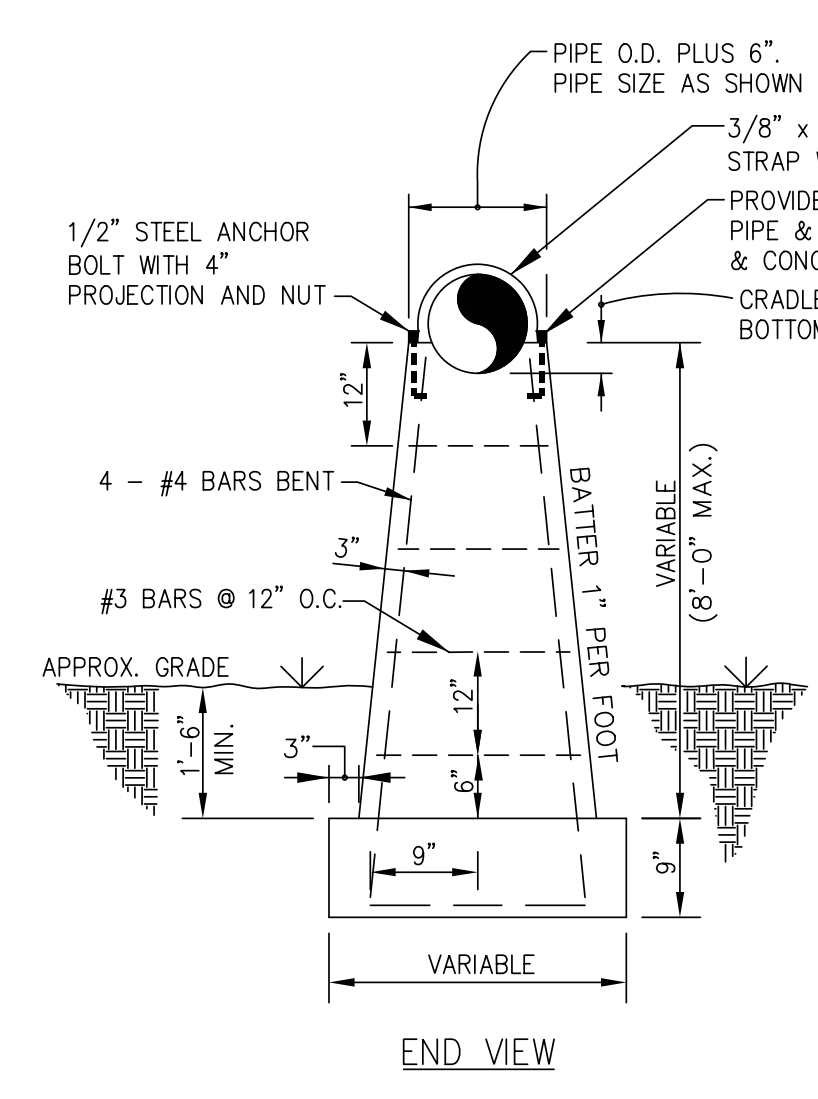
Date: 06-12-12
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 Drawn By: JDM
 Checked By: WLP



- NOTES:
1. PROVIDE TRACER WIRE ON ALL NON-FERROUS PIPELINES.
 2. TRACER WIRE NOT REQUIRED ON FIRE HYDRANT ISOLATOR VALVES

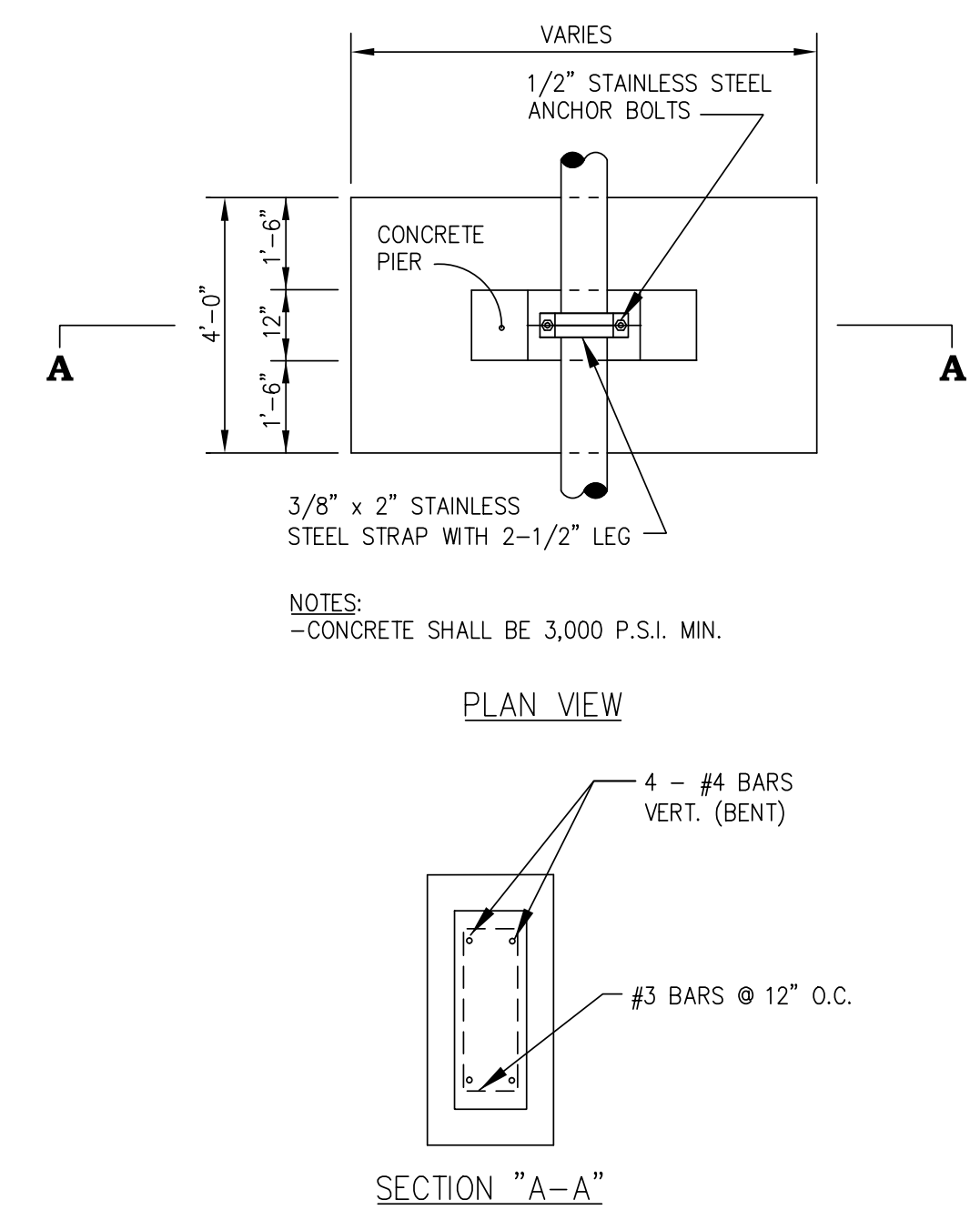
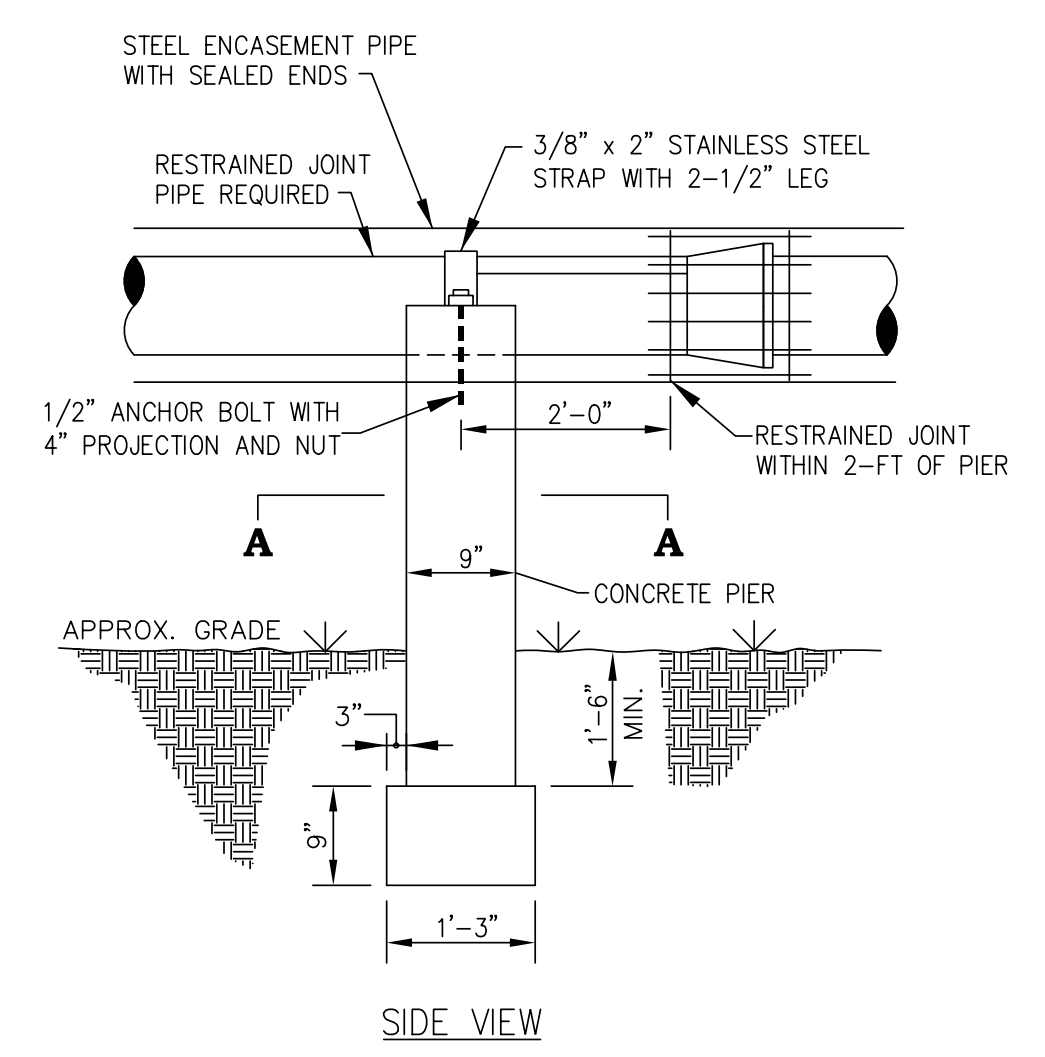
TRACER WIRE AT VALVES
 DETAIL WS-13

- NOTE:
1. WIRE COLOR REQUIRED
 - SEWER-GREEN
 - WATER-BLUE
 - RECLAIMED WATER-PURPLE OR GREEN WITH PURPLE STRIPE



- NOTES:
1. PIERS OVER 3'-0" IN HEIGHT TO BE REINFORCED.
 2. SET PIPE BOTTOM A MINIMUM OF 2' ABOVE THE 25 YEAR WATER SURFACE ELEVATION.
 3. CAST-IN-PLACE CONCRETE SHALL BE FIELD TESTED.
 4. AT A MINIMUM, ONE PIER MUST BE INSTALLED EVERY 20-FT OR AS DIRECTED BY THE ENGINEER.
 5. ENGINEER SHALL VERIFY FOUNDATION REQUIREMENTS, REBAR SIZE, AND ALL OTHER DIMENSIONS.
 6. SEWER PIPE MUST BE DR-18 C900 AND ENCLOSED WITH STEEL CASING WITH SEALED ENDS.
 7. WATER PIPE MAY BE DIP OR DR-18 C900 WITH STEEL CASING WITH SEALED ENDS.

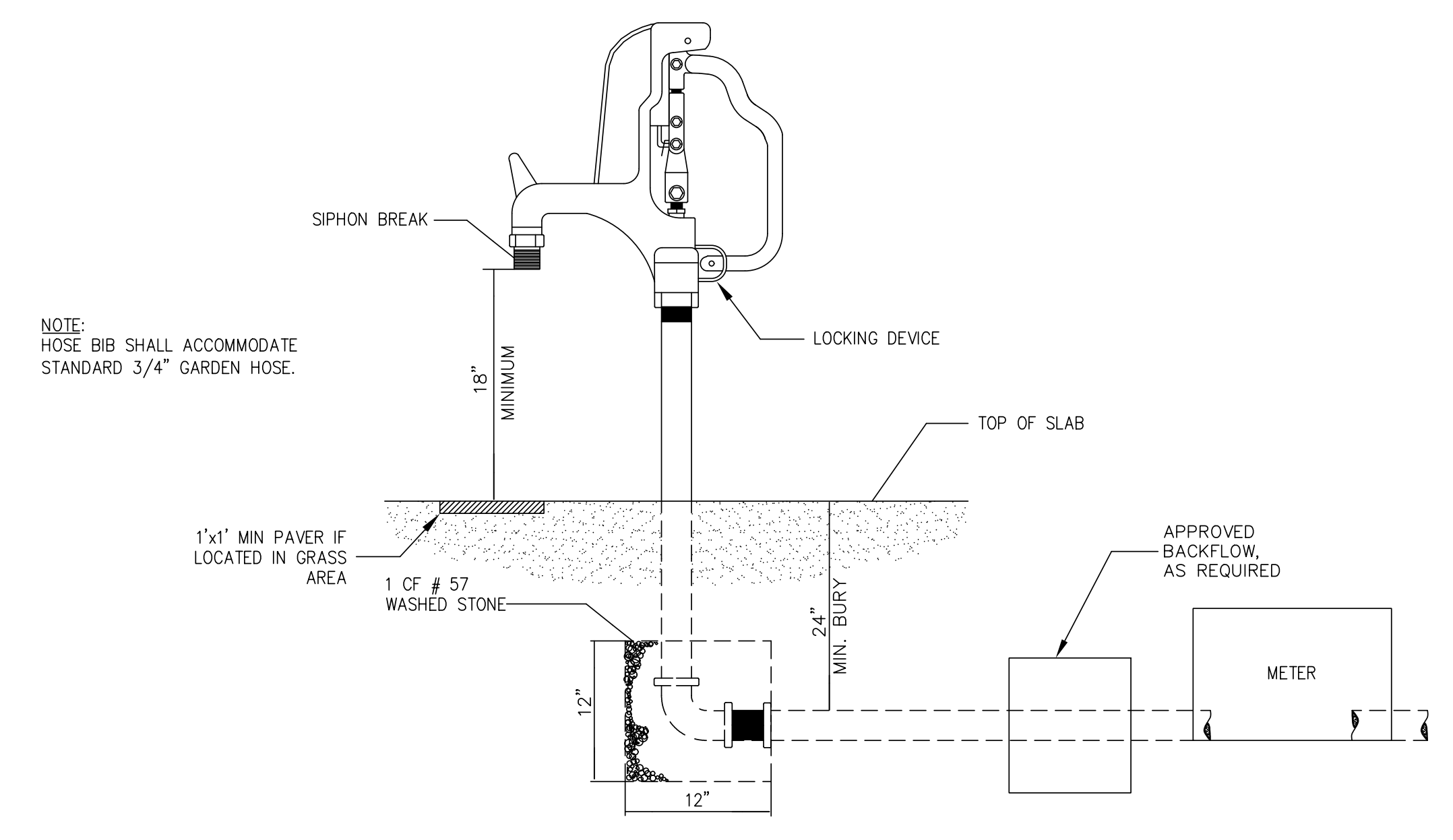
AERIAL PIPE CROSSING
 DETAIL WS-15



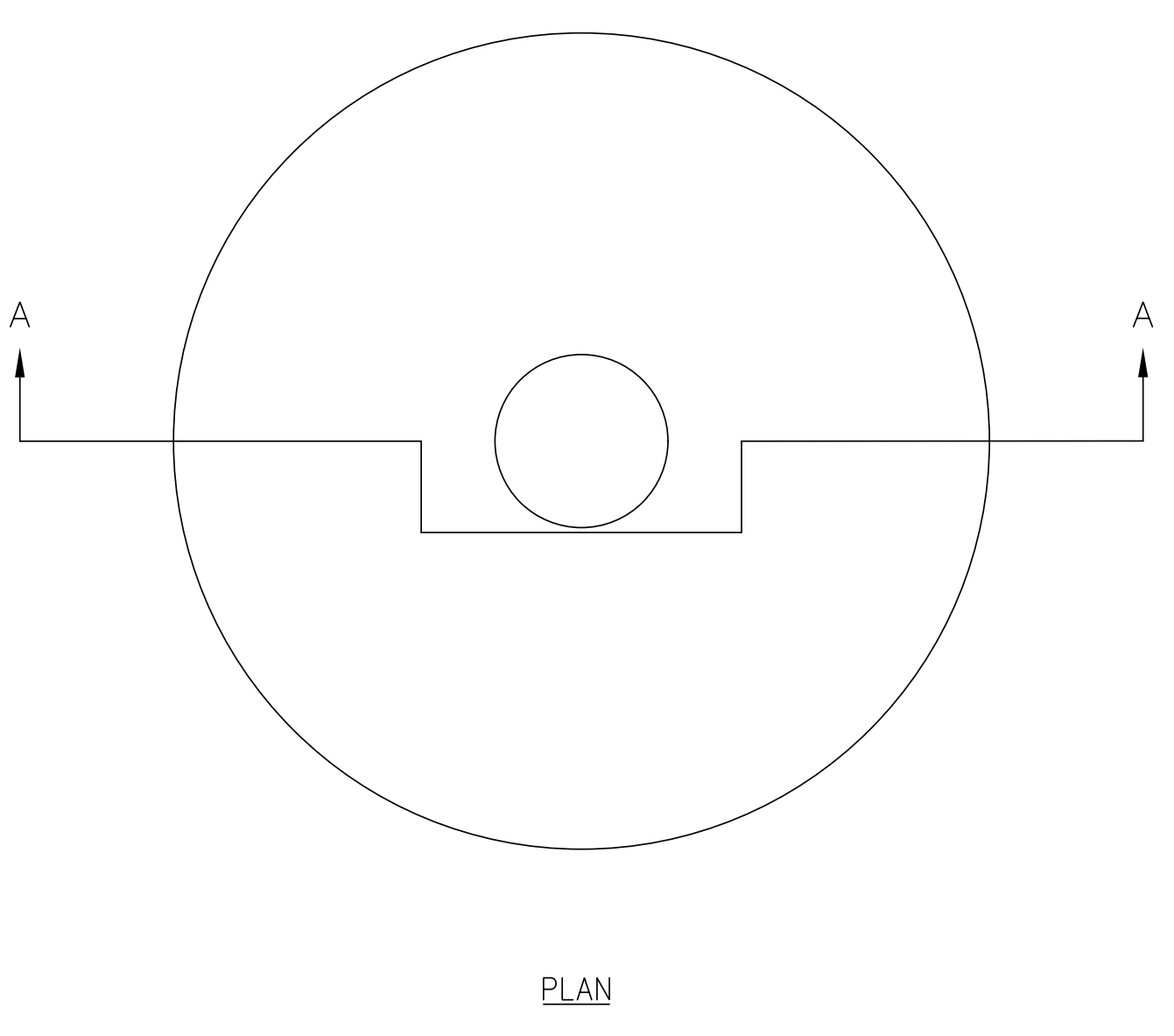
SECTION "A-A"

Revisions

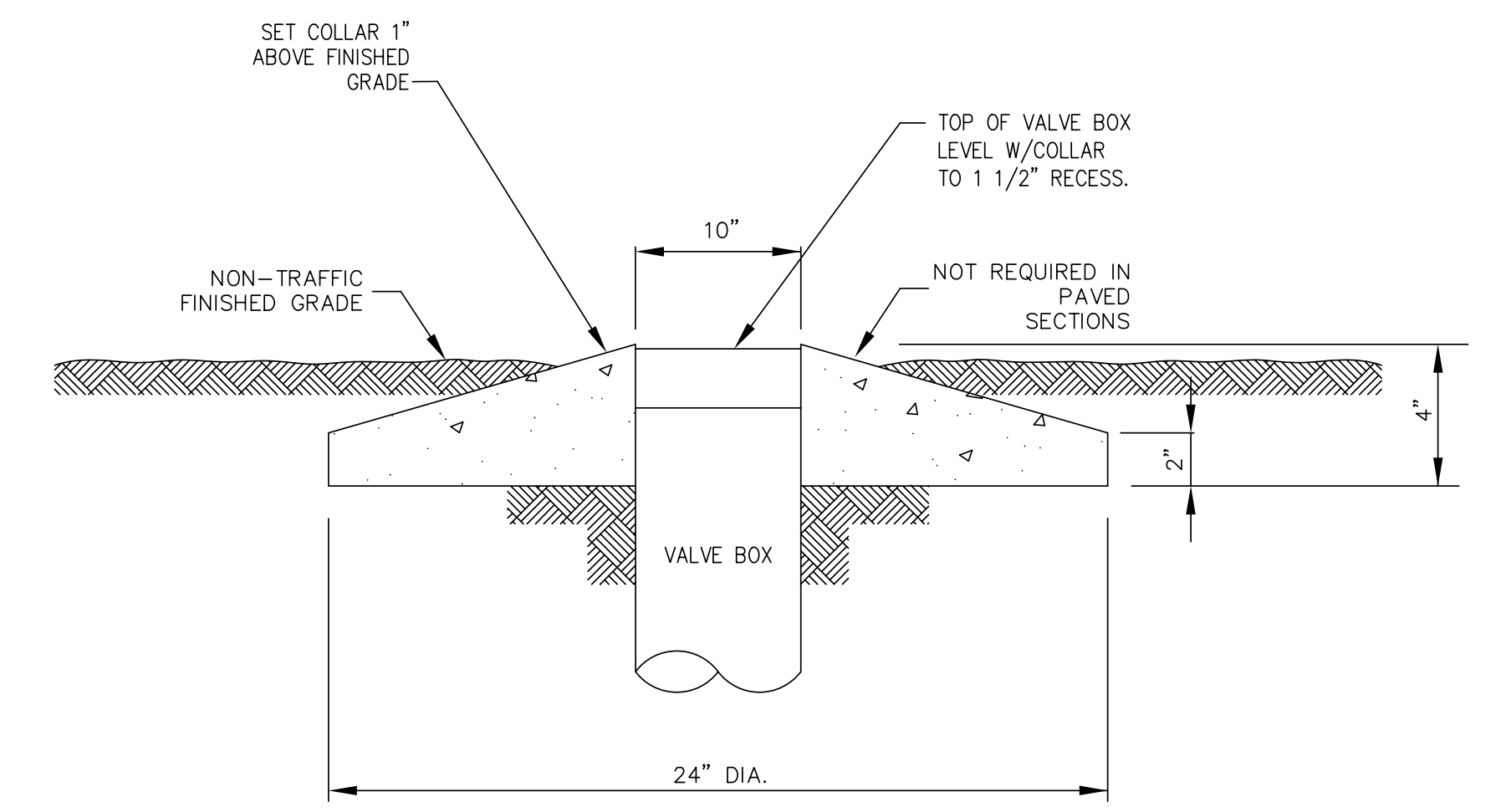
1.1 - DATED 7/12/2013	Mod WS-16
1.2 - DATED 3/10/2017	Mod WS-13
1.3 - DATED 1/23/2019	Mod WS-15



LOCKABLE YARD HYDRANT
 DETAIL WS-14



PLAN



SECTION A-A

PRECAST CONCRETE VALVE BOX COLLAR
 DETAIL WS-16

DATE: 8/13/2011
 TIME: 10:36:02 PM
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