

This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of any information contained herein without written authorization and approval by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

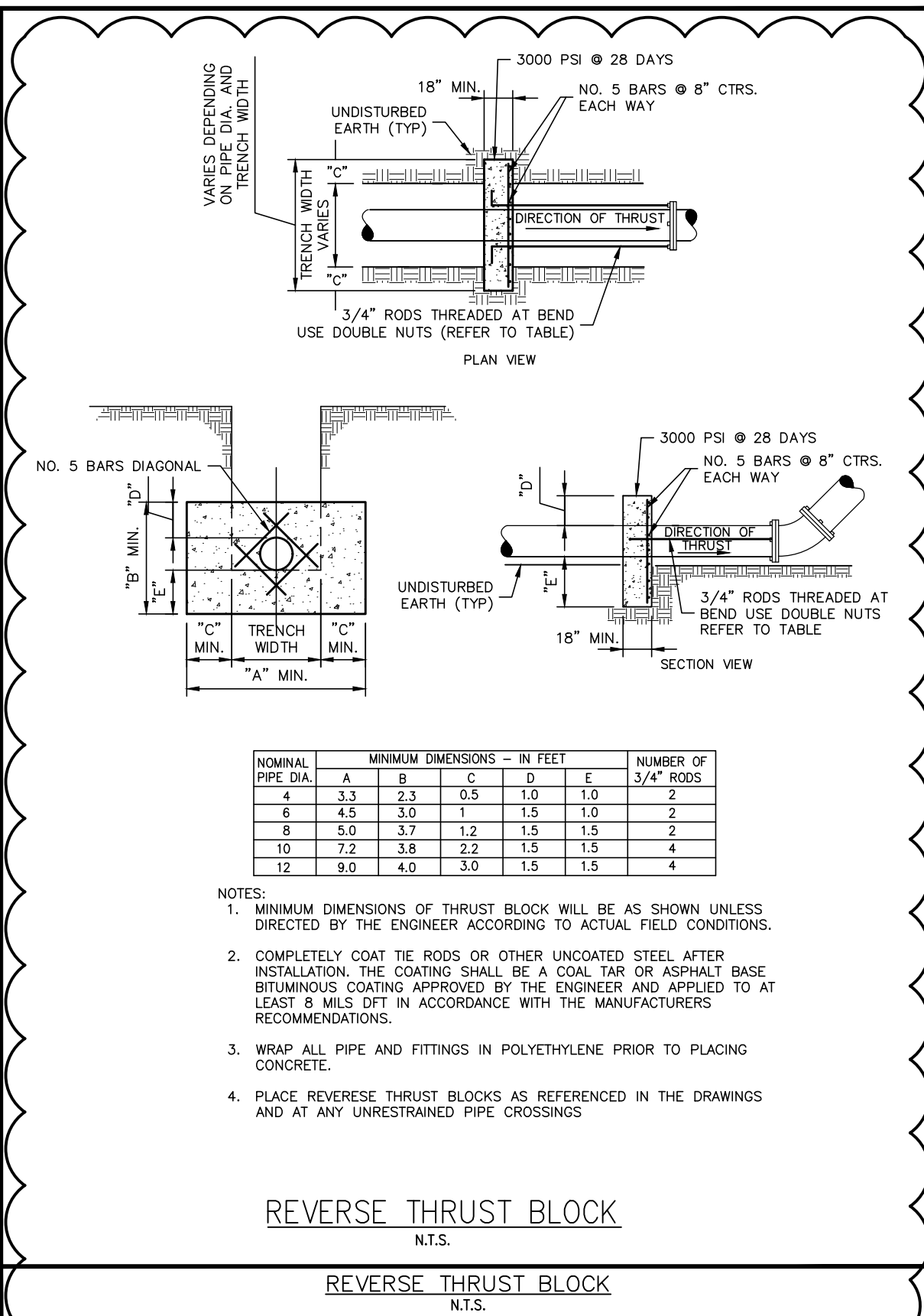
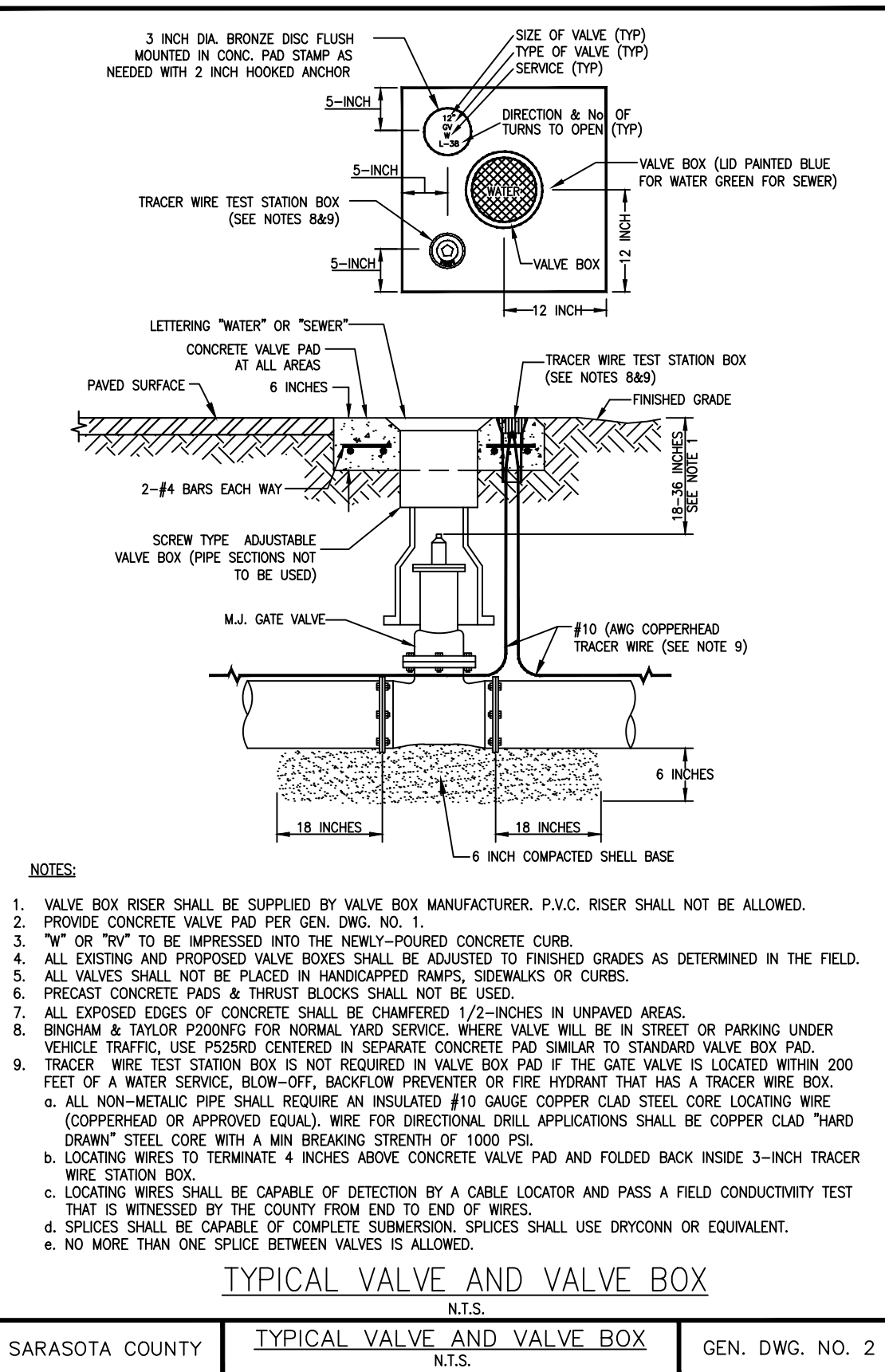


Table with 4 columns: NOMINAL PIPE DIA., MINIMUM DIMENSIONS - IN FEET (A, B, C, D, E), and NUMBER OF 3/4" RODS. Rows include pipe sizes 4, 6, 8, 10, and 12 inches.

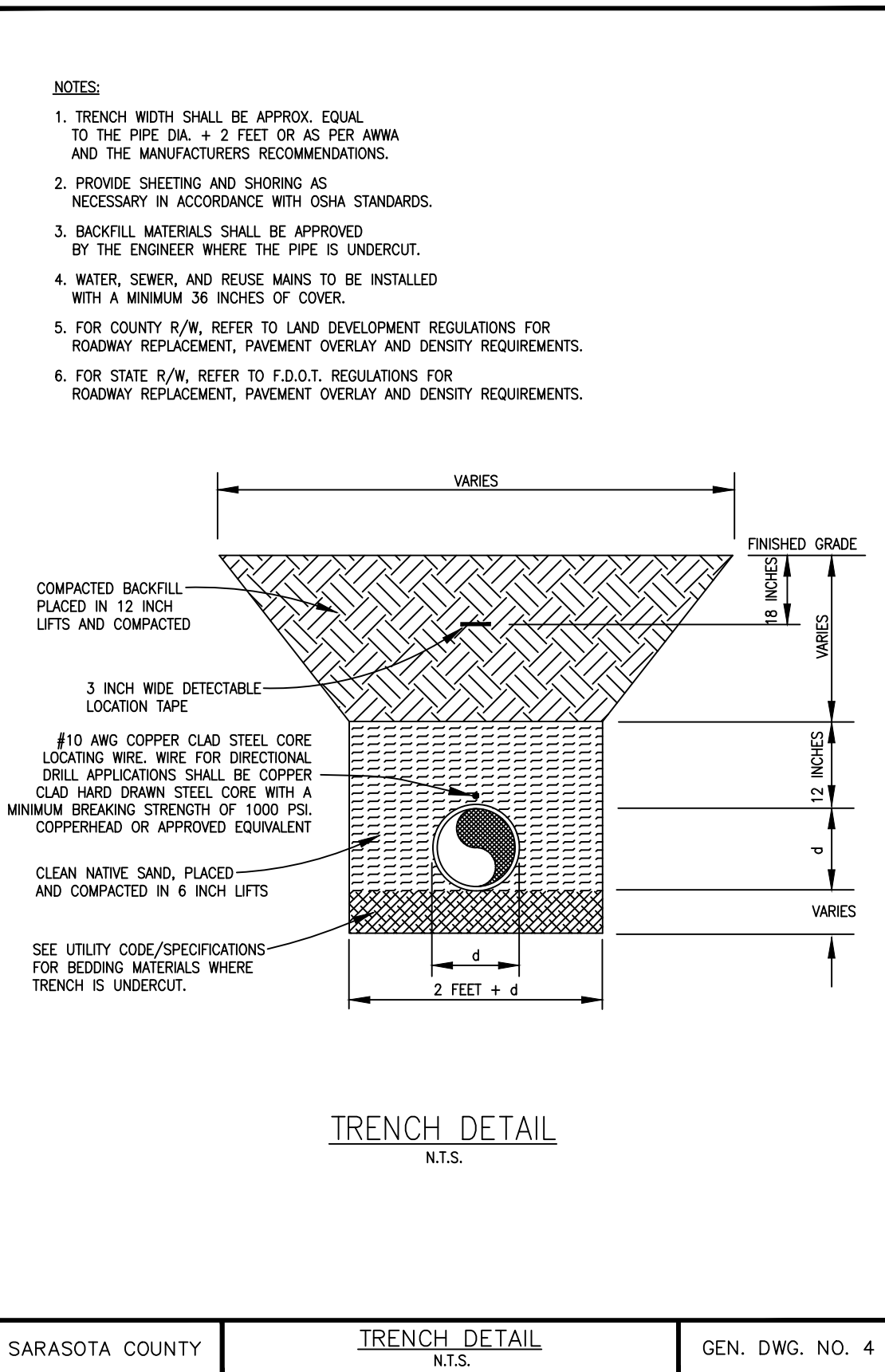
- NOTES: 1. MINIMUM DIMENSIONS OF THRUST BLOCK WILL BE AS SHOWN UNLESS DIRECTED BY THE ENGINEER... 2. COMPLETELY COAT THE RODS OR OTHER UNCOATED STEEL AFTER INSTALLATION... 3. WRAP ALL PIPE AND FITTINGS IN POLYETHYLENE PRIOR TO PLACING CONCRETE... 4. PLACE REVERSE THRUST BLOCKS AS REFERENCED IN THE DRAWINGS AND AT ANY UNRESTRAINED PIPE CROSSINGS

REVERSE THRUST BLOCK N.T.S. and another block N.T.S.



- NOTES: 1. VALVE BOX RISER SHALL BE SUPPLIED BY VALVE BOX MANUFACTURER... 2. PROVIDE CONCRETE VALVE PAD PER GEN. DWG. NO. 1... 3. "W" OR "RV" TO BE IMPRESSED INTO THE NEWLY-POURED CONCRETE CURB... 4. ALL EXISTING AND PROPOSED VALVE BOXES SHALL BE ADJUSTED TO FINISHED GRADES...

TYPICAL VALVE AND VALVE BOX N.T.S.



- NOTES: 1. TRENCH WIDTH SHALL BE APPROX. EQUAL TO THE PIPE DIA. + 2 FEET OR AS PER AWWA AND THE MANUFACTURERS RECOMMENDATIONS... 2. PREPARE SHEETING AND SHORING AS NECESSARY IN ACCORDANCE WITH OSHA STANDARDS... 3. BACKFILL MATERIALS SHALL BE APPROVED BY THE ENGINEER...

TRENCH DETAIL N.T.S.

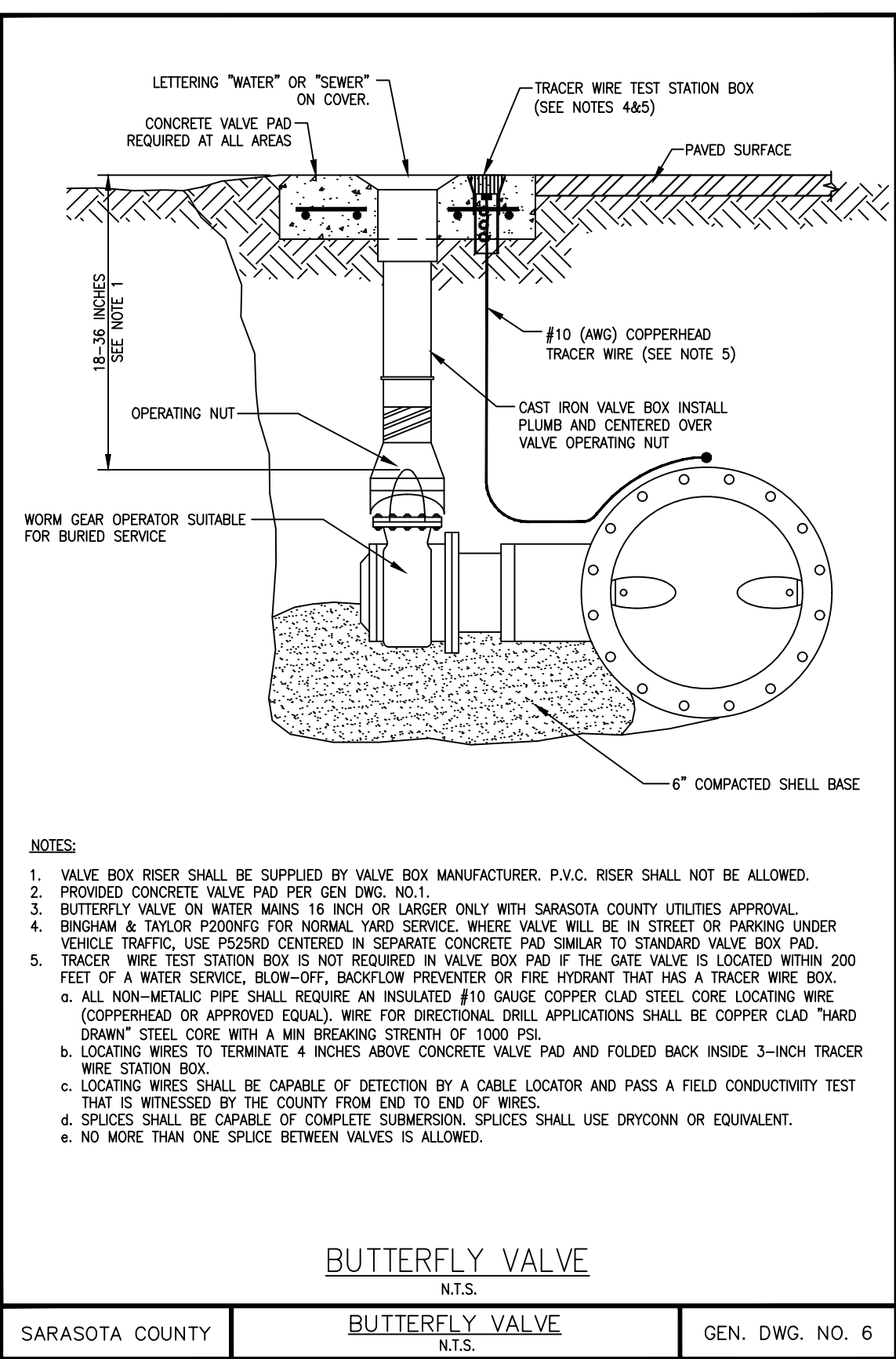
NOTE: THIS TRENCH DETAIL APPLIES TO TRENCHING OUTSIDE THE R/W. TRENCHING WITHIN THE COUNTY R/W TO BE IN ACCORDANCE WITH FDOT SECTION 125

Table: PVC - MIN. LENGTH OF PIPE (FT) TO BE RESTRAINED. Columns: FITTING TYPE, PIPE SIZE (4" to 36"). Rows include various fitting types like 90° HORIZ. BEND, 45° HORIZ. BEND, etc.

RESTRAIN LENGTHS DETAIL

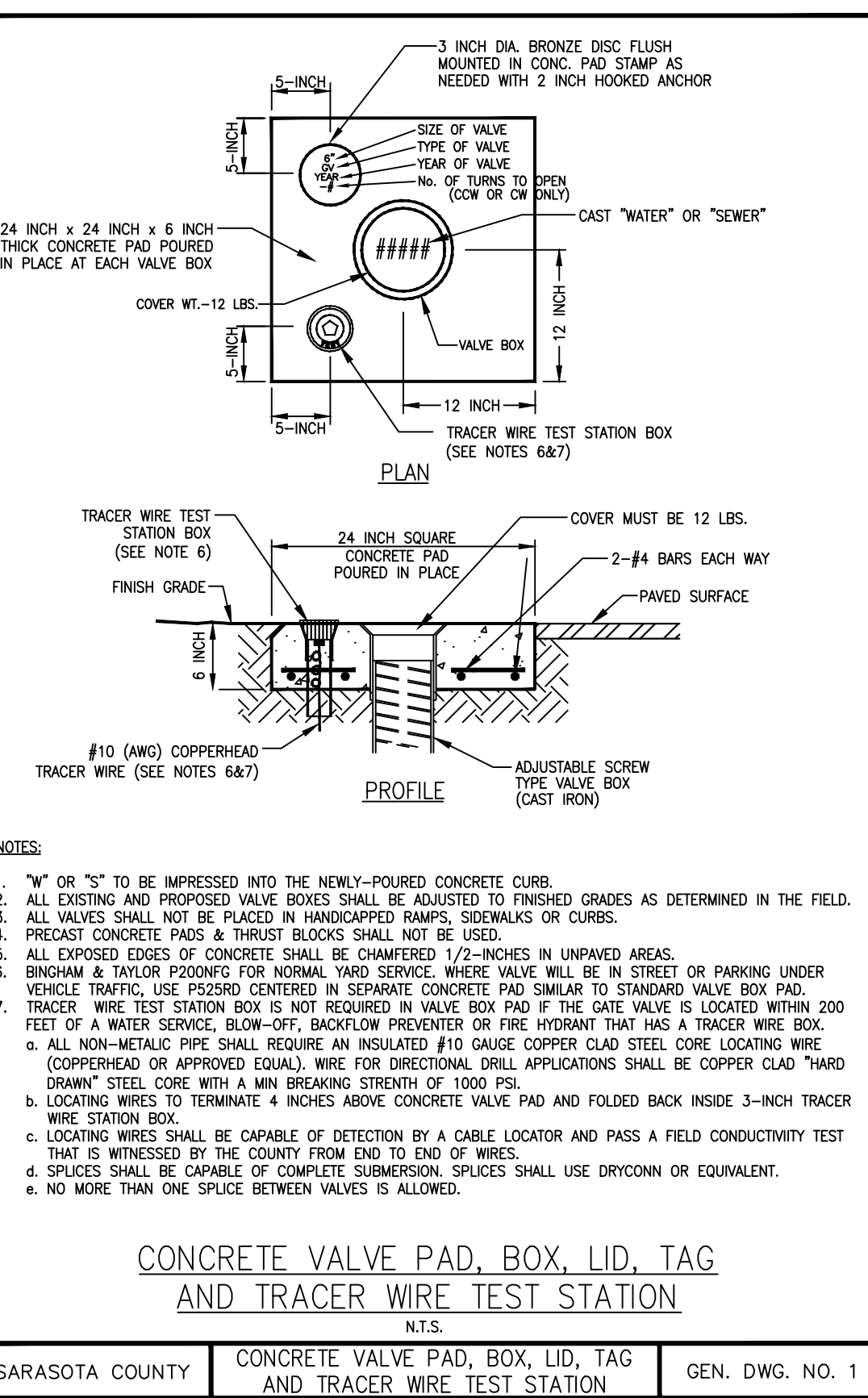
(SOURCES: EBAA IRON RESTRAINT LENGTH CALCULATION PROGRAM FOR PVC PIPE, RELEASE 7.1.2)

- NOTES: 1. THE DATA IN THE ABOVE TABLE ARE BASED UPON THE FOLLOWING INSTALLATION CONDITIONS: SOIL TYPE - SM TEST PRESSURE - 150 PSI TRENCH TYPE - 4 SAFETY FACTOR - 1.5 MINIMUM PIPE LENGTH ALONG TEE RUN - 5' DEPTH OF BURY - 3' VERTICAL OFFSET - 1'



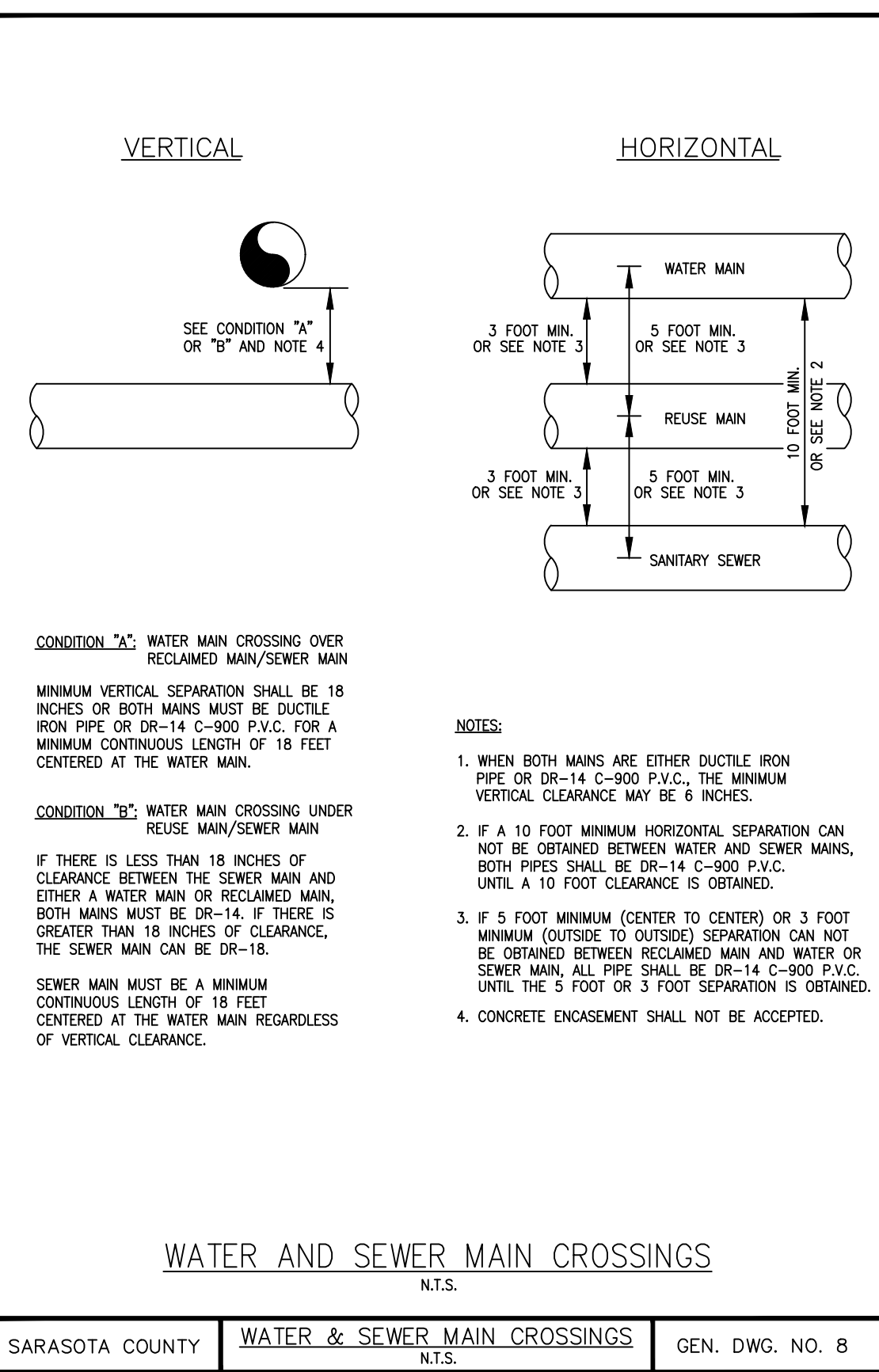
- NOTES: 1. VALVE BOX RISER SHALL BE SUPPLIED BY VALVE BOX MANUFACTURER... 2. PROVIDE CONCRETE VALVE PAD PER GEN. DWG. NO. 1... 3. BUTTERFLY VALVE ON WATER MAINS 16 INCH OR LARGER ONLY WITH SARASOTA COUNTY UTILITIES APPROVAL...

BUTTERFLY VALVE N.T.S.



- NOTES: 1. "W" OR "S" TO BE IMPRESSED INTO THE NEWLY-POURED CONCRETE CURB... 2. ALL EXISTING AND PROPOSED VALVE BOXES SHALL BE ADJUSTED TO FINISHED GRADES AS DETERMINED IN THE FIELD... 3. ALL VALVES SHALL NOT BE PLACED IN HANDICAPPED RAMPS, SIDEWALKS OR CURBS...

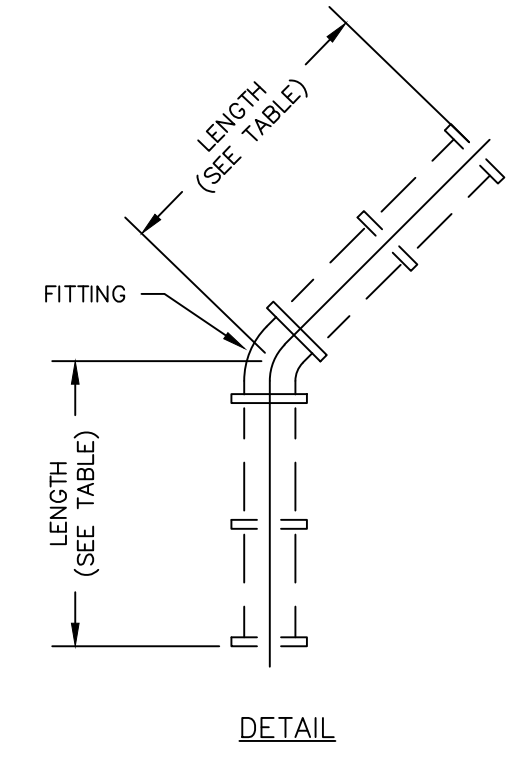
CONCRETE VALVE PAD, BOX, LID, TAG AND TRACER WIRE TEST STATION N.T.S.



- CONDITION "A": WATER MAIN CROSSING OVER RECLAIMED MAIN/SEWER MAIN. MINIMUM VERTICAL SEPARATION SHALL BE 18 INCHES OR BOTH MAINS MUST BE DUCTILE IRON PIPE OR DR-14 C-900 P.V.C. FOR A MINIMUM CONTINUOUS LENGTH OF 18 FEET CENTERED AT THE WATER MAIN.

WATER AND SEWER MAIN CROSSINGS N.T.S.

Table: POLYWRAPPED DUCTILE IRON - MIN. LENGTH OF PIPE (FT) TO BE RESTRAINED. Columns: FITTING TYPE, PIPE SIZE (4" to 36"). Rows include various fitting types like 90° HORIZ. BEND, 45° HORIZ. BEND, etc.



CONSTRUCTION DRAWINGS

Table: BID ADDENDUM REVISION. Columns: No., REVISIONS, DATE, BY. Includes revision 1 dated 9/03/2020 by DAL.

Kimley-Horn logo and address: 1777 MAIN STREET, SUITE 200, SARASOTA, FL 34236. Includes phone number and website.

Sarasota County logo and title: PEACE RIVER INTERCONNECT AND POTABLE WATER TRANSMISSION MAIN. Includes date 9/3/2020 and project location SARASOTA COUNTY.

LICENSED PROFESSIONAL: ASHLEY M. MIELE, P.E. FL LICENSE NUMBER 66476.

CONSTRUCTION DETAILS

SHEET NUMBER 76