

CONTRACT DOCUMENTS

FOR

SUBURBAN AREA WATER LINE REPLACEMENT PROJECT
PHASE 3
BRADENTON, FLORIDA
PROJECT # 6074770

July, 2017 (TOC revised 11/27/17)

PROJECT OWNER:

County of Manatee, Florida
c/o Manatee County Purchasing
1112 Manatee Avenue West
Bradenton, Florida 34205
(941) 748-4501

PREPARED BY:

CH2MHILL
4350 West Cypress Street, Suite 600
Tampa, Florida 33626
(813) 874-0777

SUBURBAN AREA WATER LINE REPLACEMENT PROJECT - PHASE 3
(TOC revised 11/27/17)

DIVISION 1	GENERAL REQUIREMENTS	4
SECTION 01005	GENERAL REQUIREMENT	4
SECTION 01010	SUMMARY OF WORK	16
SECTION 01015	CONTROL OF WORK.....	19
SECTION 01030	SPECIAL PROJECT PROCEDURES	24
SECTION 01045	CUTTING AND PATCHING	28
SECTION 01050	FIELD ENGINEERING AND SURVEYING.....	30
SECTION 01090	REFERENCE STANDARDS	32
SECTION 01150	MEASUREMENT AND PAYMENT	36
SECTION 01152	REQUESTS FOR PAYMENT	47
SECTION 01153	CHANGE ORDER PROCEDURES	48
SECTION 01200	PROJECT MEETINGS	51
SECTION 01310	CONSTRUCTION SCHEDULE & PROJECT RESTRAINTS	53
SECTION 01340	SHOP DRAWINGS, PROJECT DATA AND SAMPLES.....	58
SECTION 01370	SCHEDULE OF VALUES.....	62
SECTION 01380	CONSTRUCTION PHOTOGRAPHS.....	63
SECTION 01410	TESTING AND TESTING LABORATORY SERVICES.....	65
SECTION 01510	TEMPORARY AND PERMANENT UTILITIES.....	67
SECTION 01570	TRAFFIC REGULATION.....	69
SECTION 01580	PROJECT IDENTIFICATION AND SIGNS	71
SECTION 01600	MATERIAL AND EQUIPMENT	74
SECTION 01620	STORAGE AND PROTECTION.....	76
SECTION 01700	CONTRACT CLOSEOUT.....	78
SECTION 01710	CLEANING.....	81
SECTION 01720	RECORD DRAWINGS	83
SECTION 01730	OPERATING AND MAINTENANCE DATA	90
SECTION 01740	WARRANTIES AND BONDS.....	93
DIVISION 2	SITE WORK	95
SECTION 02064	MODIFICATIONS TO EXISTING STRUCTURES, PIPING AND EQUIPMENT.....	95
SECTION 02100	SITE PREPARATION.....	99
SECTION 02221	TRENCHING, BEDDING AND BACKFILL FOR PIPE.....	101
SECTION 02223	EXCAVATION BELOW GRADE AND CRUSHED STONE OR SHELL REFILL	107
SECTION 02260	FINISH GRADING	108
SECTION 02276	TEMPORARY EROSION AND SEDIMENTATION CONTROL	110
SECTION 02485	SEEDING AND SODDING	112
SECTION 02575	PAVEMENT REPAIR AND RESTORATION.....	115
SECTION 02590	WATER SERVICES ON PRIVATE PROPERTY	118
SECTION 02603	DUCTILE IRON PIPE AND FITTINGS	122
SECTION 02604	POLYETHYLENE (HDPE) PIPE AND FITTINGS	125
SECTION 02606	POLYVINYL CHLORIDE (PVC) PRESSURE PIPE	127
SECTION 02608	TESTING AND INSPECTIONS	129
SECTION 02609	INSTALLATION OF WATER SYSTEM PIPELINES	135

SECTION 02610	CLEANING AND DISINFECTING POTABLE WATER PIPELINES	143
SECTION 02611	VALVES AND APPURTENANCES	145
SECTION 02619	HORIZONTAL DIRECTIONAL DRILLING	157
SECTION 02619A	PIPE BURSTING (PB) OF EXISTING MAINS	167
DIVISION 3	CONCRETE.....	175
SECTION 03200	CONCRETE REINFORCEMENT	175
SECTION 03300	CAST-IN-PLACE CONCRETE.....	179
SECTION 03350	CONCRETE FINISHES.....	184
SECTION 03410	PRECAST CONCRETE STRUCTURES	187
DIVISION 4	MASONRY	192
SECTION 04220	MASONRY	192
DIVISION 5	METALS.....	198
SECTION 05500	MISCELLANEOUS METAL	198
SECTION 05550	AIR RELEASE ENCLOSURE	204

APPENDICES

APPENDIX A REPORT OF THE GEOTECHNICAL INVESTIGATION, SUBURBAN PIPELINE PROJECT – PHASE II WATER DISTRIBUTION SYSTEM, MANATEE COUNTY, FLORIDA, PREPARED BY DRIGGERS ENGINEERING SERVICES INCORPORATED, DATED DECEMBER 16, 2009

APPENDIX A.1 PLATES I-P THRU I-DD