



City of Tampa

Jane Castor, Mayor

Contract Administration

306 East Jackson Street, 4N
Tampa, FL 33602

Fax: (813) 274-7368

ADDENDUM 1

Via E-Mail

DATE: April 27, 2023

Contract: 22-C-00008; Sulphur Springs K-8 Various Locations – Safe Routes to School

Bidders on the above referenced project are hereby notified that the following addendum is made to the Contract Documents. BIDS TO BE SUBMITTED SHALL CONFORM TO THIS NOTICE.

Item 1: The bid opening date is hereby changed to May 16, 2023.

Item 2: Insert the attached waterline relocation plans which are part of the project's Design Plans package but were not included in the original advertisement documents.

All other provisions of the Contract Documents and Specifications not in conflict with this Addendum shall remain in full force and effect. Questions are to be e-mailed to ContractAdministration@tampagov.net.

Jim Greiner

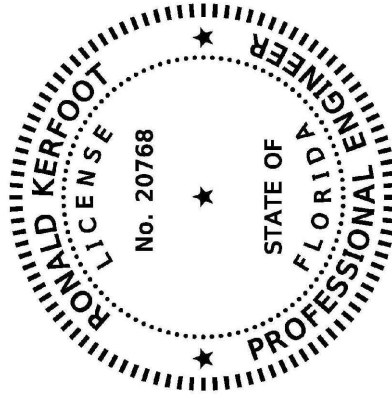
Jim Greiner, P.E., Contract Management Supervisor

CITY of TAMPA



WATER DEPARTMENT (WATERLINE RELOCATION PLANS) CONSTRUCTION PLANS FOR SULPHUR SPRINGS K-8 - SRTS IMPROVEMENTS CIP # 1001179, CONTRACT NO. 22-C-00008.

THIS ITEM HAS BEEN DIGITALLY
SIGNED AND SEALED BY:



ON THE DATE ADJACENT TO THE SEAL
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AIM ENGINEERING & SURVEYING, INC.
2161 FOWLER ST., STE. 100
FORT MYERS, FL. 33901
CERTIFICATE OF AUTHORIZATION NO.: 3114
RONALD KERFOOT, P.E. NO. 20768

IMPROVEMENTS PLANS ENGINEER OF RECORD:
RONALD KERFOOT, P.E., License No. 20768

Job #19-1010
JUNE 2022

SHEET
1
OF
04

WATERLINE RELOCATION
COVER SHEET

CITY of TAMPA
WATER DEPARTMENT

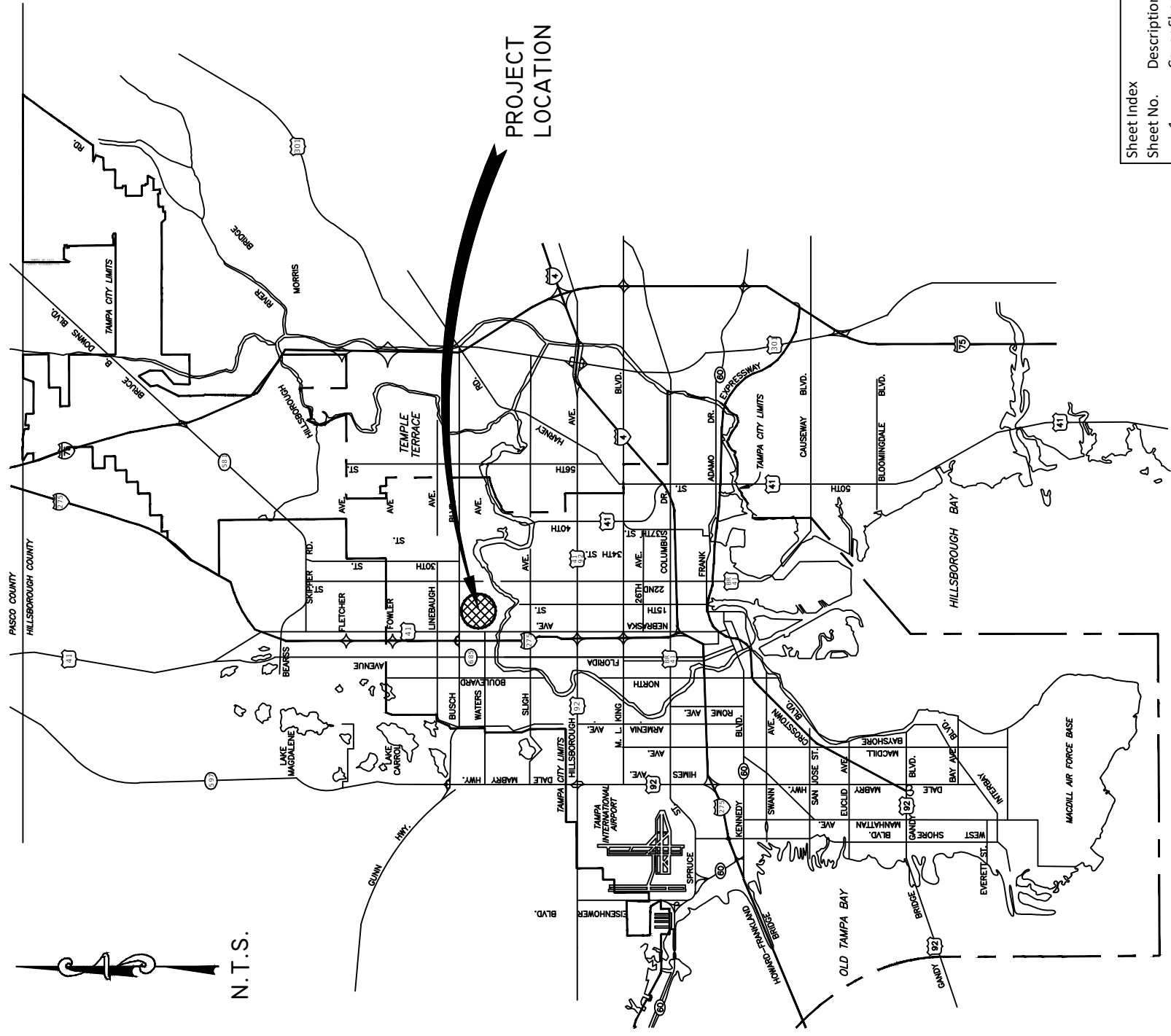
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CKD: RK
DATE: 6/2022

AIM Engineering & Surveying, Inc.
CIVIL ENGINEERING • LAND SURVEYING • SUE • TRANSPORTATION • UTILITIES
• PROJECT MANAGEMENT • CONSTRUCTION ENGINEERING & MANAGEMENT
2161 FOWLER ST. STE. 100 FORT MYERS, FL 33901 • PHONE: 239-352-4569
EMAIL: ENGINEERING@AIMENGR.COM • CERTIFICATE OF AUTHORIZATION NO. 3114



REVISIONS

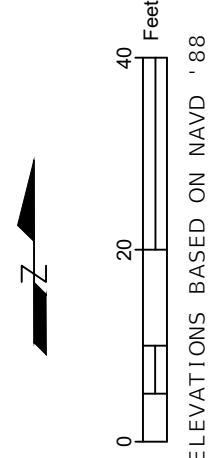
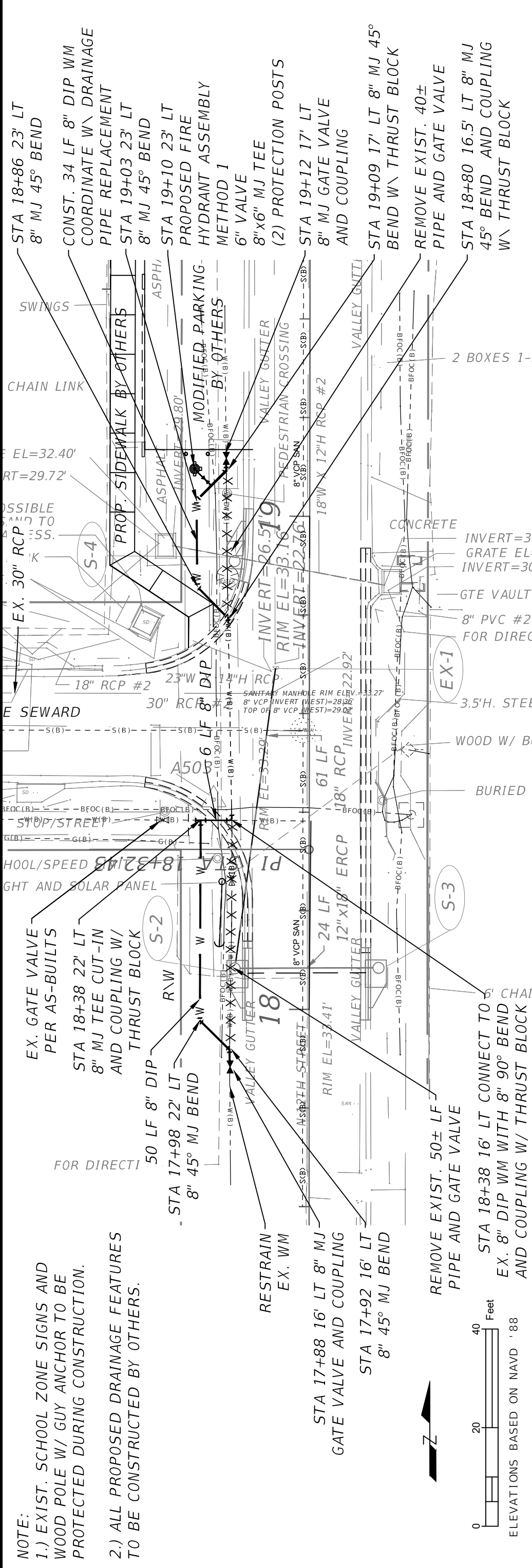
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N.T.S.

Sheet No.	Description
1	Cover Sheet
2	Plan and Profile
3	Details and Notes
4	Details and Pay Items

NOTE:
 1.) EXIST. SCHOOL ZONE SIGNS AND WOOD POLE W/ GUY ANCHOR TO BE PROTECTED DURING CONSTRUCTION.
 2.) ALL PROPOSED DRAINAGE FEATURES TO BE CONSTRUCTED BY OTHERS.



34	EX. GROUND ABOVE	PROP FIRE HYDRANT STA 19+10, 23' LT	20
32	8" MJ GATE VALVE	EX. 12" x 18" ERCP I.E. 29.9±	22
30	EX. 8" DIP	VVH 29.23	24
28	2-8" MJ 45° BENDS	EX. 8" MJ VALVE	26
26	EX. 8" VCP SANITARY	EX. 14" x 23" ERCP I.E. 27±	28
24	PROP. 18" RCP		30
22		EX. 30" RCP I.E. 22.92±	32
20	18+00		34

No.	DATE	REVISIONS
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CITY OF TAMPA
WATER DEPARTMENT

WATERLINE RELOCATION
PLAN AND PROFILE

SHEET **2** OF 04

Job #19-1010
 JUNE 2022

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CITY OF TAMPA NOTES

GENERAL

- ALL WATER WORK FOR THE CITY OF TAMPA (CITY) SHALL BE PERFORMED IN ACCORDANCE WITH THE PROTECT'S TECHNICAL SPECIFICATIONS, CONSTRUCTION DETAILS, AND THE TAMPA WATER DEPARTMENT TECHNICAL MANUAL (LATEST EDITION). IN THE EVENT OF A DISCREPANCY, THE MOST STRINGENT CRITERIA SHALL APPLY.
- THE CONTRACTOR SHALL NOT TAP ANY WATER MAIN WITHOUT A CITY INSPECTOR PRESENT. THE CONTRACTOR SHALL PROVIDE NOTICE TO THE CITY INSPECTOR AT A MINIMUM OF 5 WORKING DAYS PRIOR TO NECESSARY WORK AND COORDINATE PERFORMANCE OF TAP WITH THE CITY INSPECTOR.
- NORMAL WORKING HOURS SHALL BE WEEKDAYS FROM 7:30 AM TO 4:00 PM UNLESS OTHERWISE APPROVED BY THE ENGINEER/INSPECTOR.
- ELEVATION INFORMATION SHOWN ON THESE PLANS IS REFERENCED TO N.A.V.D. 1988 UNLESS OTHERWISE STATED.
- CONSTRUCTION OF WATER FACILITIES SHALL BE COORDINATED WITH THE WATER DEPARTMENT PRIOR TO THE START OF THE CONSTRUCTION. CONTRACTOR TO CONTACT CITY OF TAMPA CONTRACT ADMINISTRATION DEPARTMENT @ 813-635-3432 TO COORDINATE/SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE CITY FOR REVIEW OF INSTALLATION TECHNIQUES AND PROCEDURES A MINIMUM OF 10 WORKING DAYS PRIOR TO THE PLANNED CONSTRUCTION.
- EXISTING UTILITIES, BUILDINGS, GROUND ELEVATIONS, AND OTHER FEATURES ARE SHOWN ACCORDING TO THE BEST INFORMATION AVAILABLE. ALL CONDITIONS, DIMENSIONS, AND QUANTITIES AFFECTING REQUIRED WORK SHALL BE VERIFIED BY CONTRACTOR BEFORE BEGINNING WORK OR ORDERING MATERIALS.
- VALVES ON EXISTING PUBLIC WATER MAINS TO BE OPERATED BY CITY PERSONNEL ONLY.
- ALL PROPOSED WATER LINES SHALL BE MANUFACTURED AND INSTALLED PER THE STANDARDS OF THE AMERICAN WATER WORKS ASSOCIATION (AWWA) AS PRESCRIBED BY FAC-62-555.320.
- SHOP DRAWINGS SHALL BE SUBMITTED AND APPROVED BY THE CITY FOR ALL PROPOSED ITEMS. ALL SUBMITTALS AND SHOP DRAWINGS SHALL BE HIGH QUALITY PDF DOCUMENTS.
- THE CONTRACTOR IS RESPONSIBLE FOR RESTRAINING ALL EXISTING PIPE NECESSARY TO MAINTAIN A SAFE CONSTRUCTION AREA AND PERFORM THE WORK SHOWN IN THE PLANS. EXISTING PIPE REQUIRING RESTRAINTS SHALL UTILIZE EXTERIOR BELL RESTRAINTS.
- THE CONTRACTOR SHALL DEWATER ANY EXCAVATION OR TRENCH TO MAINTAIN A SAFE WORK ENVIRONMENT AND TO ABIDE BY AWWA INSTALLATION STANDARDS. DEWATERING IS AT THE EXPENSE OF THE CONTRACTOR.
- SEE ROADWAY PLANS FPD 443582-1-58-01 TEMPORARY TRAFFIC CONTROL PLAN (1) THRU (2) FOR PLACEMENT OF ADVANCED WARNING AND DETOUR SIGNAGE.
- ALL WATER MAINS INSTALLED AS PART OF THIS PROJECTS ARE TO BE RESTRAINED.

PERMITS

- CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY CONSTRUCTION RELATED RIGHT-OF-WAY PERMITS AND ROADWAY CLOSURES ASSOCIATED WITH THE WORK SHOWN IN THE PLANS. SHOULD THE CONTRACTOR PROPOSE USING PROPERTY OUTSIDE OF THE PUBLIC RIGHT-OF-WAY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY PERMITS OR EASEMENTS AT HIS OWN COST.
- IN ORDER TO OBTAIN ROADWAY CLOSURES OR RIGHT-OF-WAY PERMITS, AT MINIMUM, THE CONTRACTOR MUST SUBMIT DETAILED MAINTENANCE OF TRAFFIC (MOT) PLANS ALONG WITH APPLICATIONS TO THE APPROPRIATE AGENCY. THE MOT(S) SHALL CONFORM TO APPLICABLE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) DRAWINGS (MOST CURRENT EDITION). THE GOVERNING AGENCIES MAY REQUIRE ADDITIONAL INFORMATION AND DICTATE SPECIFIC WORK TIME DURING NON-PEAK TRAFFIC HOURS.

PIPE CLEARANCES

- ALL WATER MAINS SHALL HAVE A MINIMUM COVER OF 36 INCHES AND SHALL MAINTAIN A MINIMUM OF THREE (3) FEET HORIZONTAL SEPARATION FROM OTHER UTILITIES, EXCEPT STORM, SANITARY, AND GAS, WHICH SHALL MAINTAIN TEN (10) FEET HORIZONTAL SEPARATION, UNLESS OTHERWISE NOTED.
- WATER MAIN SHALL CROSS ABOVE OTHER PIPES. WHEN WATER MUST BE BELOW, PROVIDE 12" MINIMUM VERTICAL SEPARATION UNLESS OTHERWISE NOTED.
- CENTER ONE FULL JOINT OF PIPE UNDER/OVER ALL SANITARY, STORM, OR RECLAIMED PIPE CROSSINGS.

MATERIAL

- ALL VALVES SHALL BE RIGHT HAND OPEN.
- POLYWRAP ALL DUCTILE IRON PIPE (D.I.P) FITTINGS AND APPURTENANCES.
- ALL HARDWARE SHALL BE 304 STAINLESS STEEL, UNLESS OTHERWISE NOTED.
- ALL BELOW GROUND BENDS SHALL BE MECHANICAL JOINT (MJ).
- RESTRAIN ALL JOINTS AND FITTINGS.
- CONCRETE THRUST BLOCKS SHALL NOT BE USED TO PROVIDE THRUST RESTRAINT. RESTRAINT OF PUSH-ON DIP (OTHER THAN FOR FITTINGS & VALVES) SHALL BE WITH APPROVED PUSH-ON "GRIPPER-TYPE" RESTRAINTS. FITTINGS AND VALVES SHALL BE CONNECTED TO PIPE WITH MEGALUGS, OR APPROVED EQUAL.
- ALL POTABLE WATER SERVICE LATERAL, AIR RELEASE VALVES, AND TEMPORARY SAMPLE POINTS SHALL BE CONSTRUCTED OF BLUE SDR-9 HIGH DENSITY POLYETHYLENE (HDPE) TUBING. ALL HDPE TUBING SHALL BE INSTALLED WITHIN A CASING AS DEFINED IN THE SPECIFICATIONS AND DETAILS.

TESTING

- ALL COMPONENTS OF THE WATER SYSTEM, INCLUDING FITTINGS, HYDRANTS, CONNECTIONS, AND VALVES SHALL BE PROPERLY PRESSURE TESTED, WITNESSED AND ACCEPTED BY THE CITY. PRESSURE TESTS TO BE PERFORMED IN ACCORDANCE WITH WATER DEPARTMENT SPECIFICATIONS. CONTRACTOR TO NOTIFY THE ASSIGNED CITY INSPECTOR A MINIMUM OF THREE (3) WORKING DAYS IN ADVANCE OF PERFORMING TESTS. CONTRACTOR SHALL PRESSURE TEST WATER MAINS AT A MINIMUM OF 150 PSI FOR A PERIOD OF 2 HOURS IN ACCORDANCE WITH AWWA C600-87 STANDARDS. THE CONTRACTOR SHALL MAKE ALL NECESSARY APPLICATIONS AND ARRANGEMENTS.
- ALL SAMPLE, PRESSURE TEST, AND CHLORINATION POINT PIPING SHALL BE COMPLETELY REMOVED PRIOR TO FINAL ACCEPTANCE. THE CORPORATION STOP SHALL BE CLOSED AND PLUGGED AT THE MAIN.
- CONTRACTOR SHALL PERFORM CHLORINATION AND FIRE INDEPENDENT FIRMS TO CONDUCT BACTERIOLOGICAL TESTING AS DEFINED IN F.A.C. 62-555.340. CONTRACTOR TO SUPPLY THE CITY WITH AS-BUILTS AND SAMPLE RESULTS NECESSARY TO OBTAIN DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEP) CLEARANCES.

RESTORATION

- ROADWAY RESTORATION SHALL BE IN CONFORMANCE WITH CORRESPONDING JURISDICTION'S LA TEST STANDARDS.
- DISTURBANCE TO ANY PROPERTY, PUBLIC OR PRIVATE, SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION.

PROJECT SPECIFIC NOTES

- ALL WATER MAINS INSTALLED AS PART OF THIS PROJECT ARE TO BE RESTRAINED
- NOTE 2
- NOTE 3

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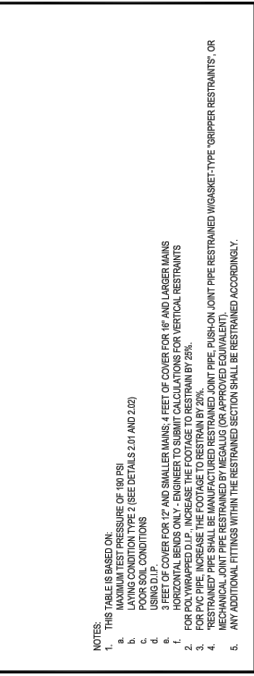
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- NOTE 3

SECTION	THURST BLOCKS FOR BENDS	2.07
14" I/P BEND	SIZE (D)	4" 6" 8" 10" 12" 16" 20" 24"
	THRUST (LBS.)	624 1,300 2,306 4,097 6,827 13,660 24,472
	BEARING AREA (FT ²)	0.31 1.05 1.90 3.33 6.65 10.25 16.63
	CONCRETE (CY)	0.05 0.15 0.25 0.45 0.90 1.35 2.14
	H (FT)	0.8 0.8 1.1 1.6 2.1 2.8 3.1
	W (FT)	0.9 1.3 1.6 2.4 3.2 3.9 4.7
	X (FT)	0.4 0.6 0.8 1.2 1.6 2.1 2.8
	THRUST (LBS.)	1,342 2,772 4,799 8,546 13,660 27,320 38,792
	BEARING AREA (FT ²)	0.61 2.10 3.80 6.66 10.25 16.63 23.26
	CONCRETE (CY)	0.12 0.30 0.50 0.90 1.35 2.14 3.17
20" I/P BEND	SIZE (D)	4" 6" 8" 10" 12" 16" 20" 24"
	THRUST (LBS.)	1,041 2,184 3,915 6,827 11,175 17,916 28,072
	BEARING AREA (FT ²)	0.31 1.05 1.90 3.33 6.65 10.25 16.63
	CONCRETE (CY)	0.05 0.15 0.25 0.45 0.90 1.35 2.14
	H (FT)	0.8 0.8 1.1 1.6 2.1 2.8 3.1
	W (FT)	0.9 1.3 1.6 2.4 3.2 3.9 4.7
	X (FT)	0.4 0.6 0.8 1.2 1.6 2.1 2.8
	THRUST (LBS.)	2,082 4,368 7,830 13,654 22,350 35,832 56,144
	BEARING AREA (FT ²)	0.61 2.10 3.80 6.66 10.25 16.63 23.26
	CONCRETE (CY)	0.12 0.30 0.50 0.90 1.35 2.14 3.17
48" BEND	SIZE (D)	4" 6" 8" 10" 12" 16" 20" 24"
	THRUST (LBS.)	4,083 8,166 14,310 25,458 41,763 67,210 103,134
	BEARING AREA (FT ²)	0.31 1.05 1.90 3.33 6.65 10.25 16.63
	CONCRETE (CY)	0.05 0.15 0.25 0.45 0.90 1.35 2.14
	H (FT)	0.8 0.8 1.1 1.6 2.1 2.8 3.1
	W (FT)	0.9 1.3 1.6 2.4 3.2 3.9 4.7
	X (FT)	0.4 0.6 0.8 1.2 1.6 2.1 2.8
	THRUST (LBS.)	8,166 16,332 28,620 50,916 83,526 134,420 206,268
	BEARING AREA (FT ²)	0.61 2.10 3.80 6.66 10.25 16.63 23.26
	CONCRETE (CY)	0.12 0.30 0.50 0.90 1.35 2.14 3.17



RESTRAIN 'A' (L)	4"	6"	8"	10"	12"	16"	20"	24"	30"	36"
FITTING (OD)	4"	6"	8"	10"	12"	16"	20"	24"	30"	36"
14" I/P	3"	4"	6"	8"	9"	9"	10"	12"	15"	17"
20" I/P	6"	8"	9"	10"	12"	16"	17"	21"	25"	30"
48" I/P	13"	15"	16"	24"	24"	26"	44"	62"	62"	73"
90"	31"	44"	50"	62"	67"	106"	125"	151"	178"	178"
FLUOROPOLYMER	35"	78"	102"	140"	140"	174"	204"	240"	240"	285"

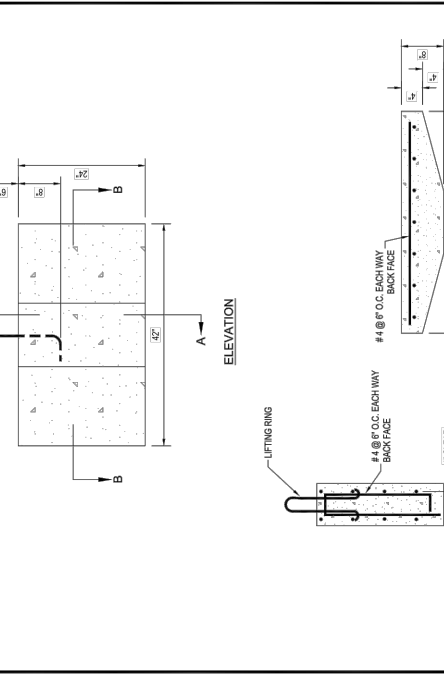
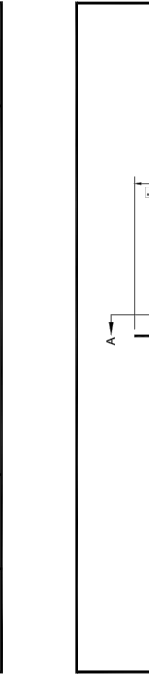


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14" I/P	3"	4"	6"	8"	9"	9"	10"	12"	15"	17"
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FLUOROPOLYMER	35"	78"	102"	140"	140"	174"	204"	240"	240"	285"

NOTES:

- THIS TABLE IS BASED ON:
 - MINIMUM COVER OF 36 INCHES
 - LAYING CONDITION TYPE 2 (SEE DETAILS 2.01 AND 2.02)
 - POOR SOIL CONDITIONS
 - MINIMUM COVER OF 12" AND SMALLER MAINS, 4 FEET OF COVER FOR 12" AND LARGER MAINS
 - 3 FEET OF COVER FOR 12" AND SMALLER MAINS, 4 FEET OF COVER FOR 12" AND LARGER MAINS
 - HORIZONTAL BENDS ONLY - ENGINEER TO SUBMIT CALCULATIONS FOR VERTICAL RESTRAINTS
 - FOR PIPES INCREASE THE FOOTING TO RESTRAIN BY 20%
 - RESTRAINED PIPE SHALL BE MANUFACTURED RESTRAINED JOINT PIPE, PUSH-ON JOINT PIPE RESTRAINED W/ GASKET-TYPE "GRIPPER RESTRAINTS" OR EQUIVALENT. JOINT PIPE RESTRAINED BY REGULAR (BY APPROVED DRAWING)
 - ANY ADDITIONAL FITTINGS WITHIN THE RESTRAINED SECTION SHALL BE RESTRAINED ACCORDINGLY.

SECTION	TRENCHING, BEDDING, AND BACKFILL DETAIL FOR PERVIOUS (NON-PAVED) AREAS	2.02
PLAN VIEW	SUITABLE BACKFILL COMPACTED IN 12-INCH LIFTS TO A MINIMUM 88% OF THE MAXIMUM MODIFIED PROCTOR DENSITY	2.02
	COMPACT BY HAND IN LAYERS OF 6 INCHES, LIGHTLY CONSOLIDATED TO CENTERLINE	
SECTION A-A	TYPE 3 TRENCH IS DEFINED AS A FLAT-BOTTOM TRENCH, LIGHTLY CONSOLIDATE BACKFILL TO CENTERLINE OF PIPE	2.02
	THIS STANDARD SHALL BE UTILIZED IN THE ABSENCE OF SPECIFIC STANDARDS. THE STANDARD OF THE AGENCY CONTROLLING THE RIGHT-OF-WAY SHALL GOVERN UNLESS OTHERWISE DIRECTED BY THE ENGINEER.	
SECTION B-B	SUITABLE BACKFILL SHALL BE DEFINED AS MATERIAL FREE FROM CINDEERS, ASHES, REFUSE, CLAY, ORGANIC MATTER, BOULDERS, ROCKS OR STONES, OR OTHER MATERIAL THAT IN THE OPINION OF THE ENGINEER IS A PERVIOUS AREA. IF ANY PART OF THE TRENCH IS WITHIN A CONCRETE OR NON-PAVED AREA, THEN STANDARD DETAIL 2.01 APPLIES.	2.02
	ASPHALT CURB, SIDEWALK, DRIVEWAY, OR ROADWAY, THEN STANDARD DETAIL 2.01 APPLIES.	



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- ANY ADDITIONAL FITTINGS WITHIN THE RESTRAINED SECTION SHALL BE RESTRAINED ACCORDINGLY.

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