

CONSTRUCTION PLANS FOR

DATE	ISSUE	BY
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SPRING LAKE RD

SECTION 33 TOWNSHIP 18S RANGE 24E

Chris Cheshire
MAYOR

Patrick DeGrave
VICE MAYOR
DISTRICT 1

Chris Cheshire
CITY COMMISSIONER
DISTRICT 3

Chris Bell
CITY COMMISSIONER
DISTRICT 5

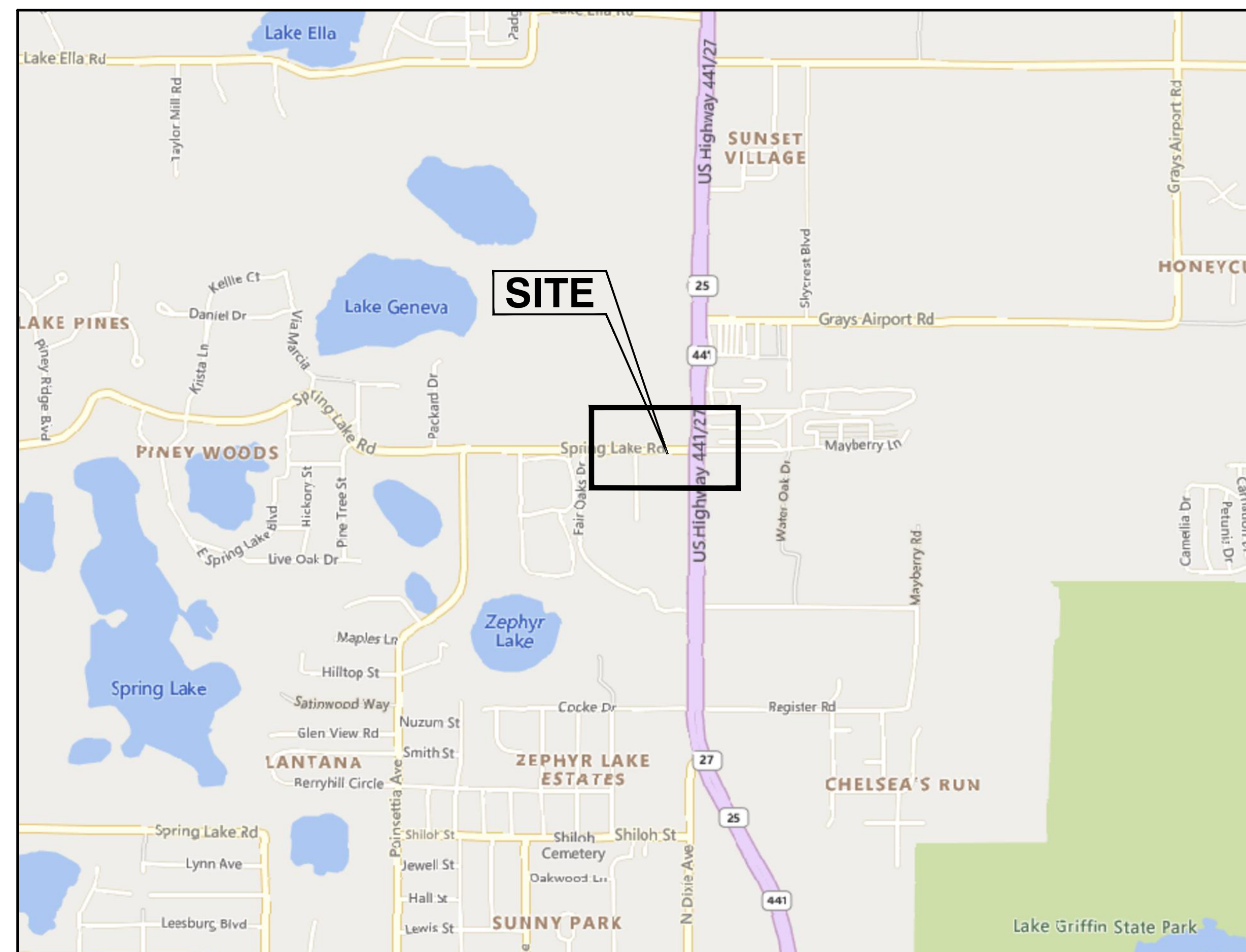
Gary La Venia
CITY MANAGER

Robb Dicus
PUBLIC WORKS
DIRECTOR

John Mobilian
CITY COMMISSIONER
DISTRICT 2

John L. Gunter Jr.
CITY COMMISSIONER
SEAT 4, DISTRICT 4

Anita Geraci Carver
CITY ATTORNEY
SERVICES DIRECTOR



INDEX OF SHEETS

- 1 COVER SHEET
- 2 AERIAL PLAN
- 3 UTILITY PLAN
- 4 CITY DETAILS 1
- 5 CITY DETAILS 2
- 6 CITY DETAILS 3

OWNER/DEVELOPER:

CITY OF FRUITLAND PARK
202 W BERCKMAN STREET
FRUITLAND PARK, FL 34731
ROBB DICUS, PUBLIC WORKS DIRECTOR
PHONE: (352) 360-6795
RDICUS@FRUITLANDPARK.ORG

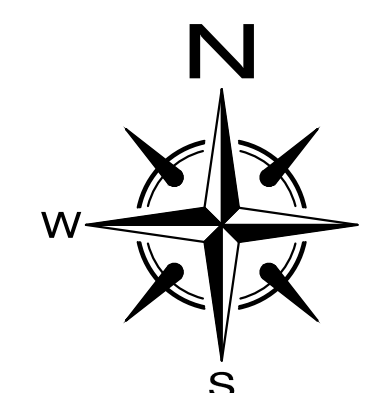
ENGINEER/SURVEYOR:

HALFF ASSOCIATES, INC.
902 N. SINCLAIR AVENUE
TAVARES, FL 32778
BRETT J. TOBIAS, P.E.
(352) 343-8481
BTOBIAS@HALFF.COM



Call 811 or www.sunshine811.com two full business days before digging to have utilities located and marked.
Check positive response codes before you dig!

VICINITY MAP
1" = 1,000'



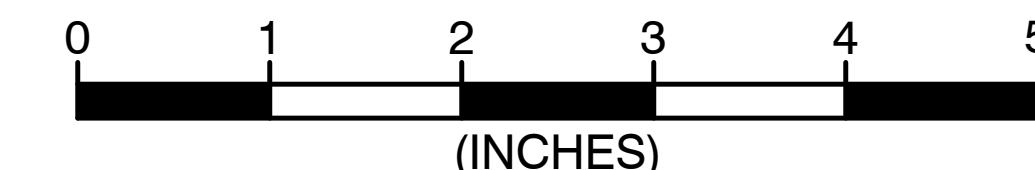
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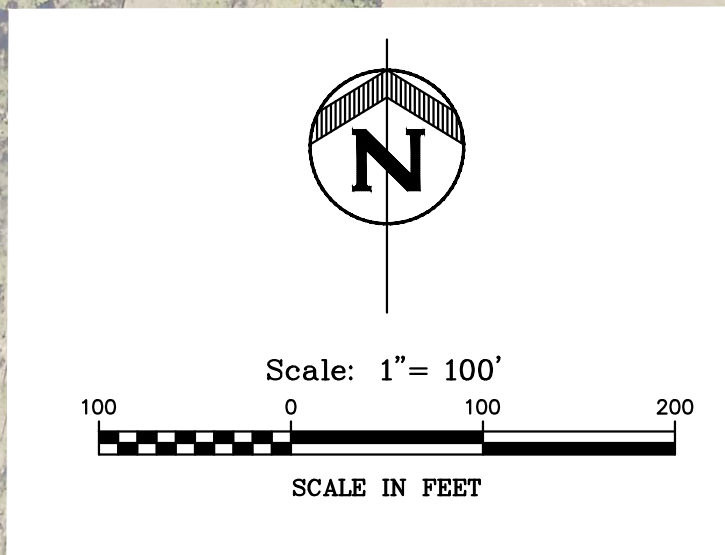
PREPARED BY:



902 NORTH SINCLAIR AVE.
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TEL (352) 343-8481 FAX (352) 343-8495
www.halff.com

ORIGINAL DOCUMENT SIZE 24"x36"





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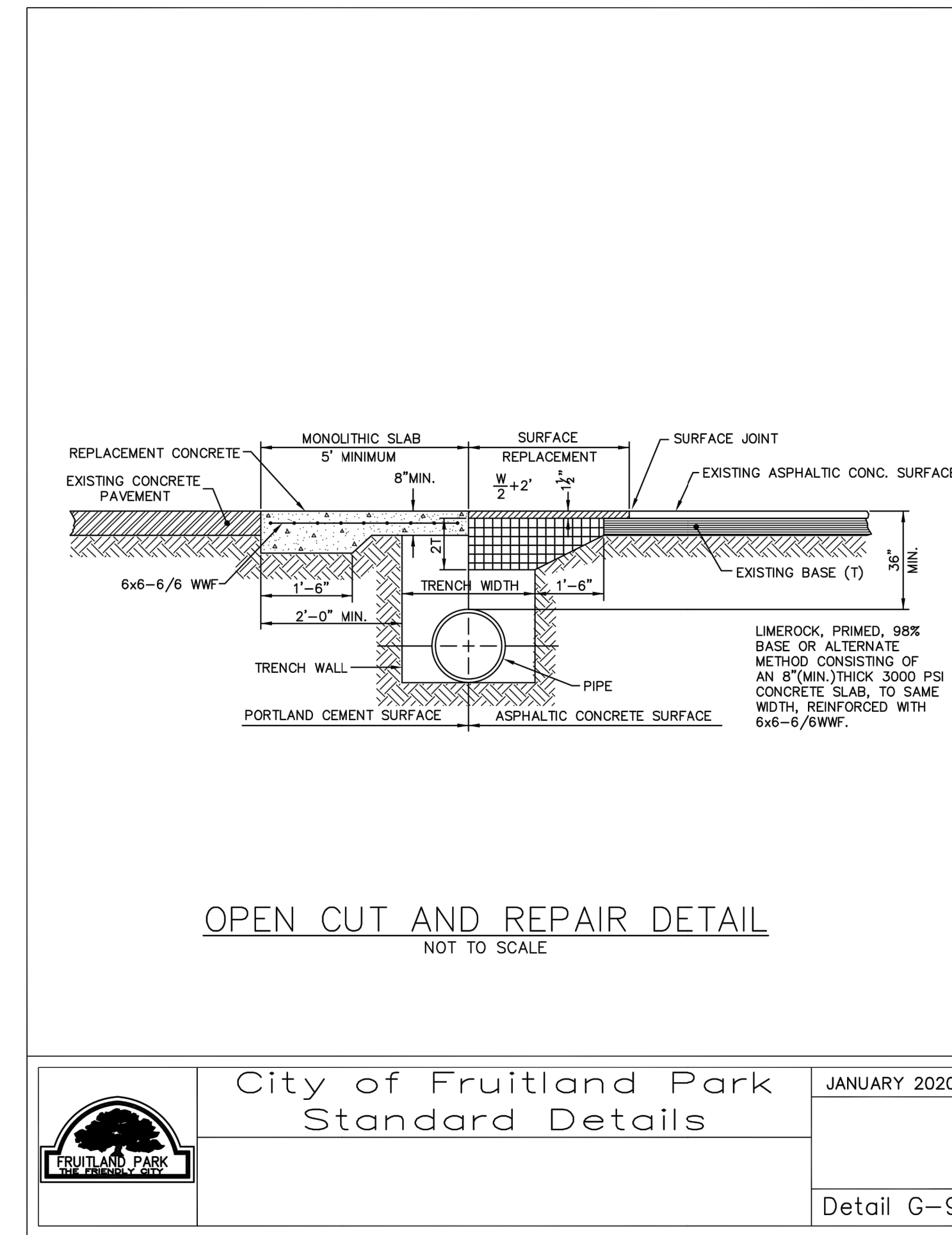
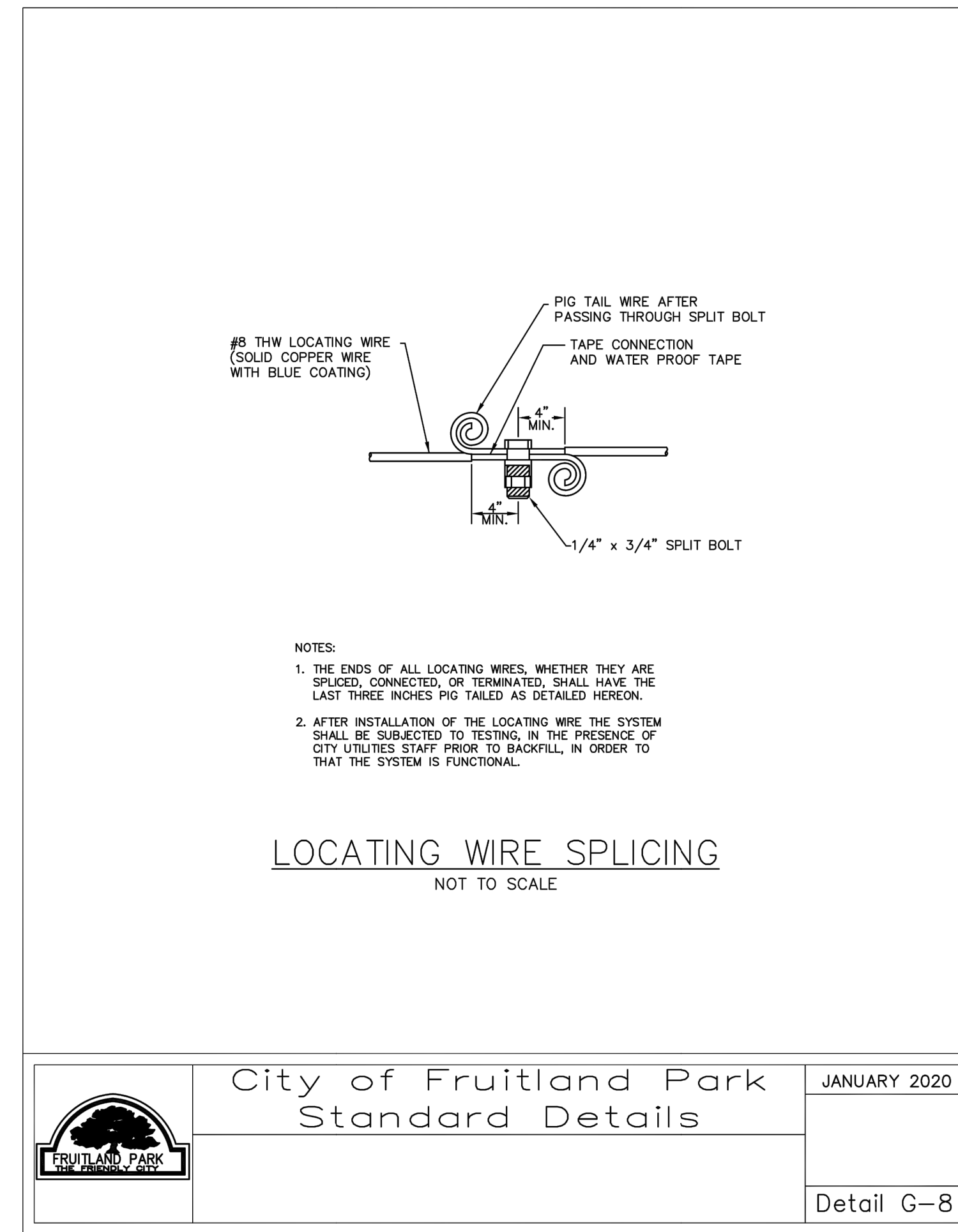
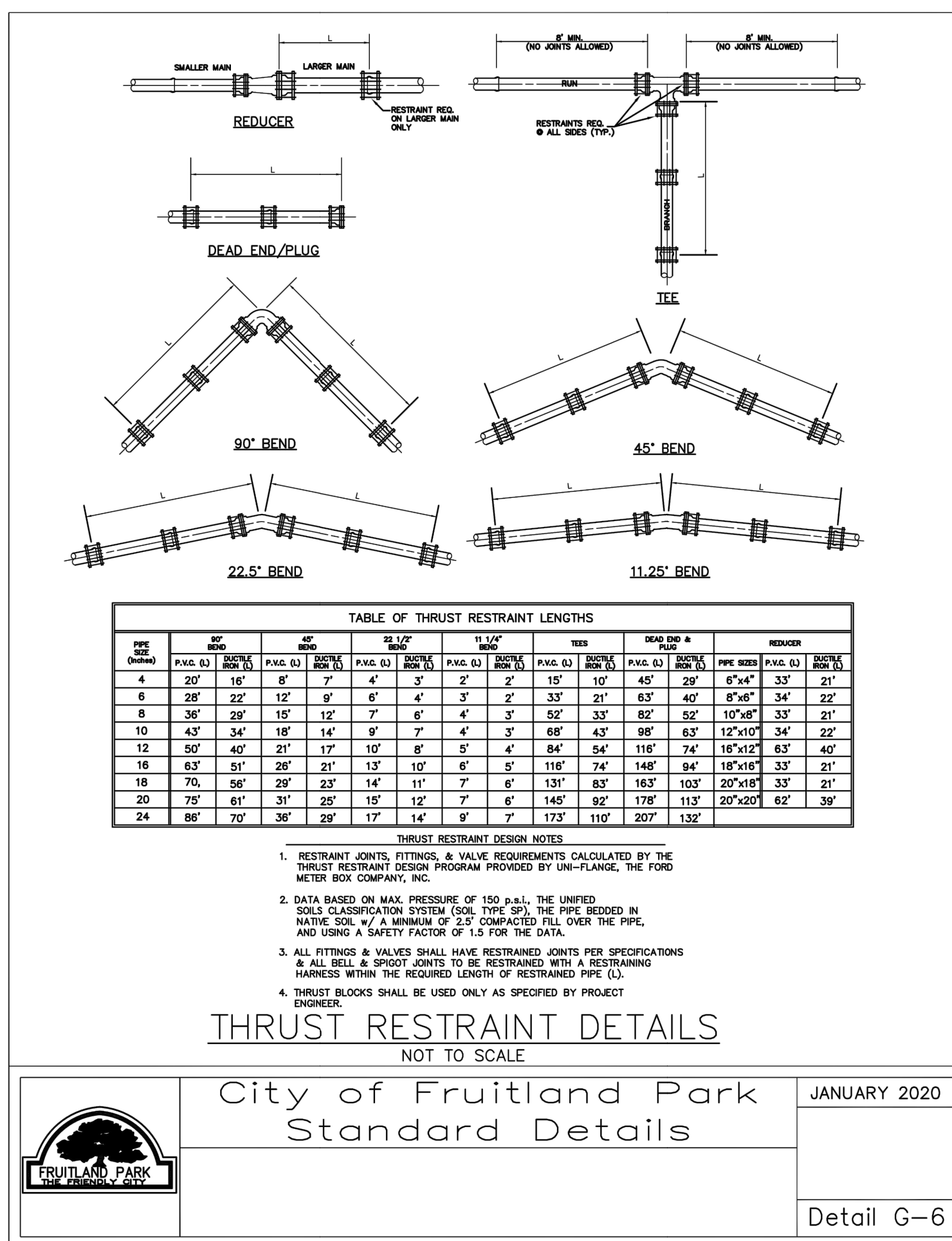
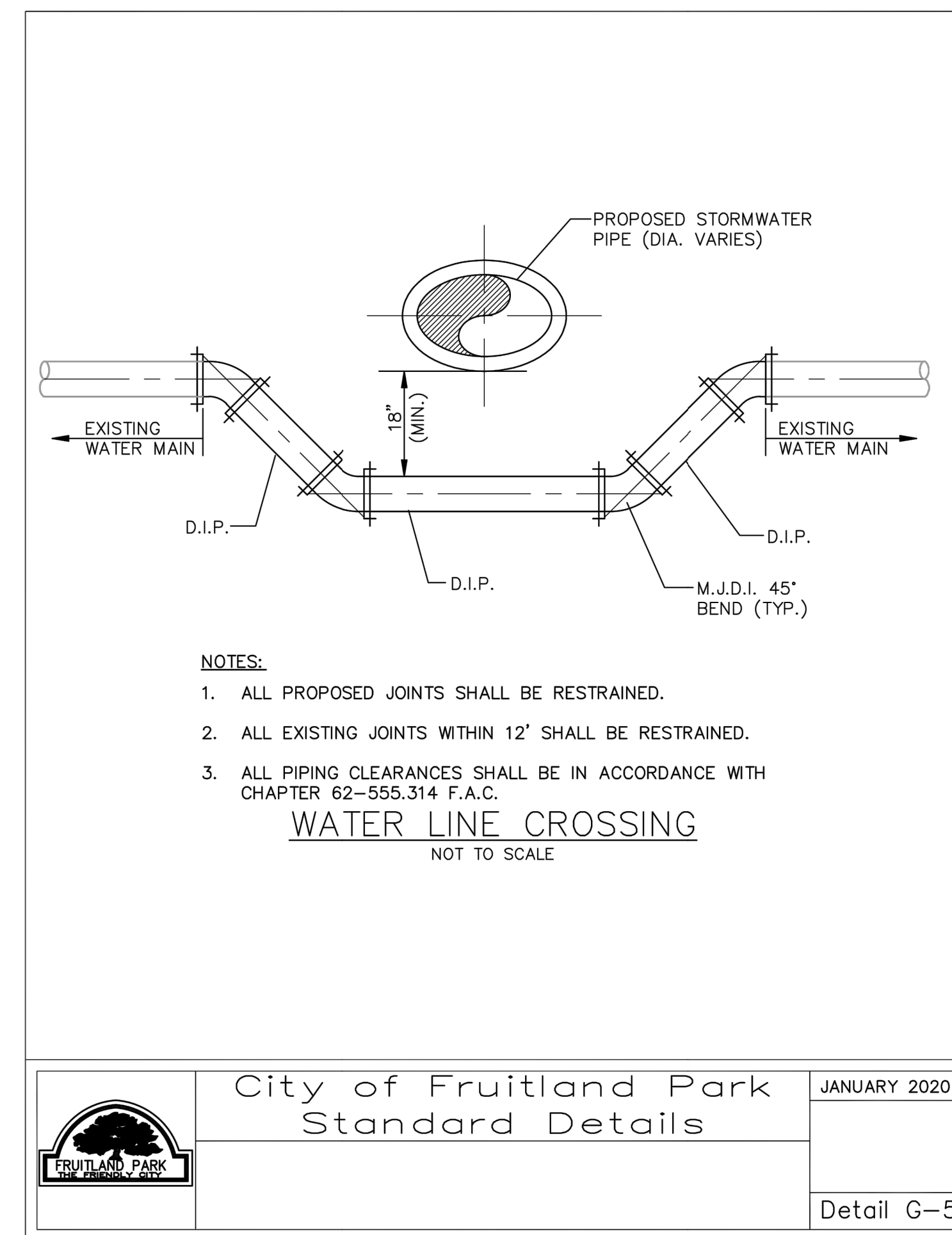
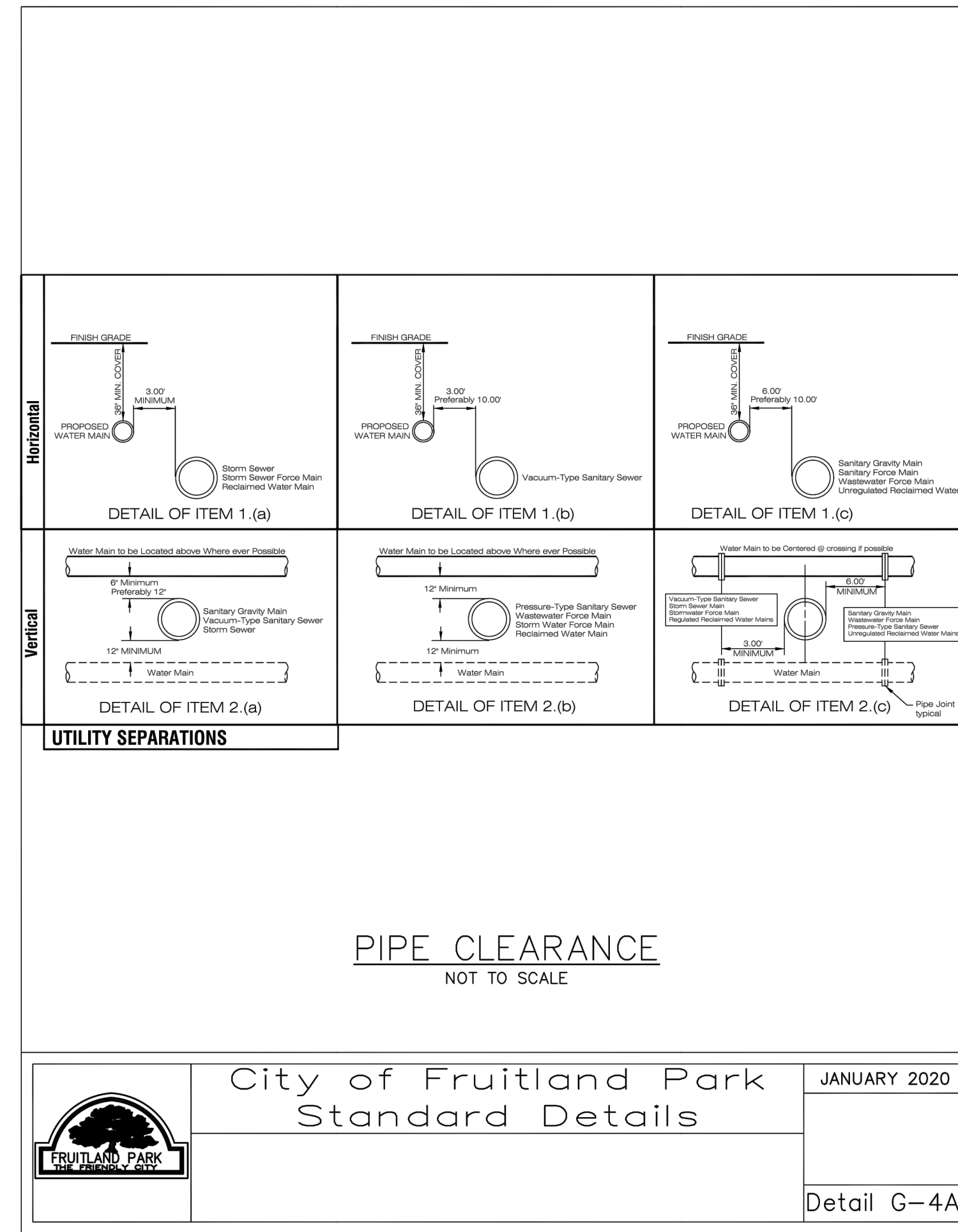
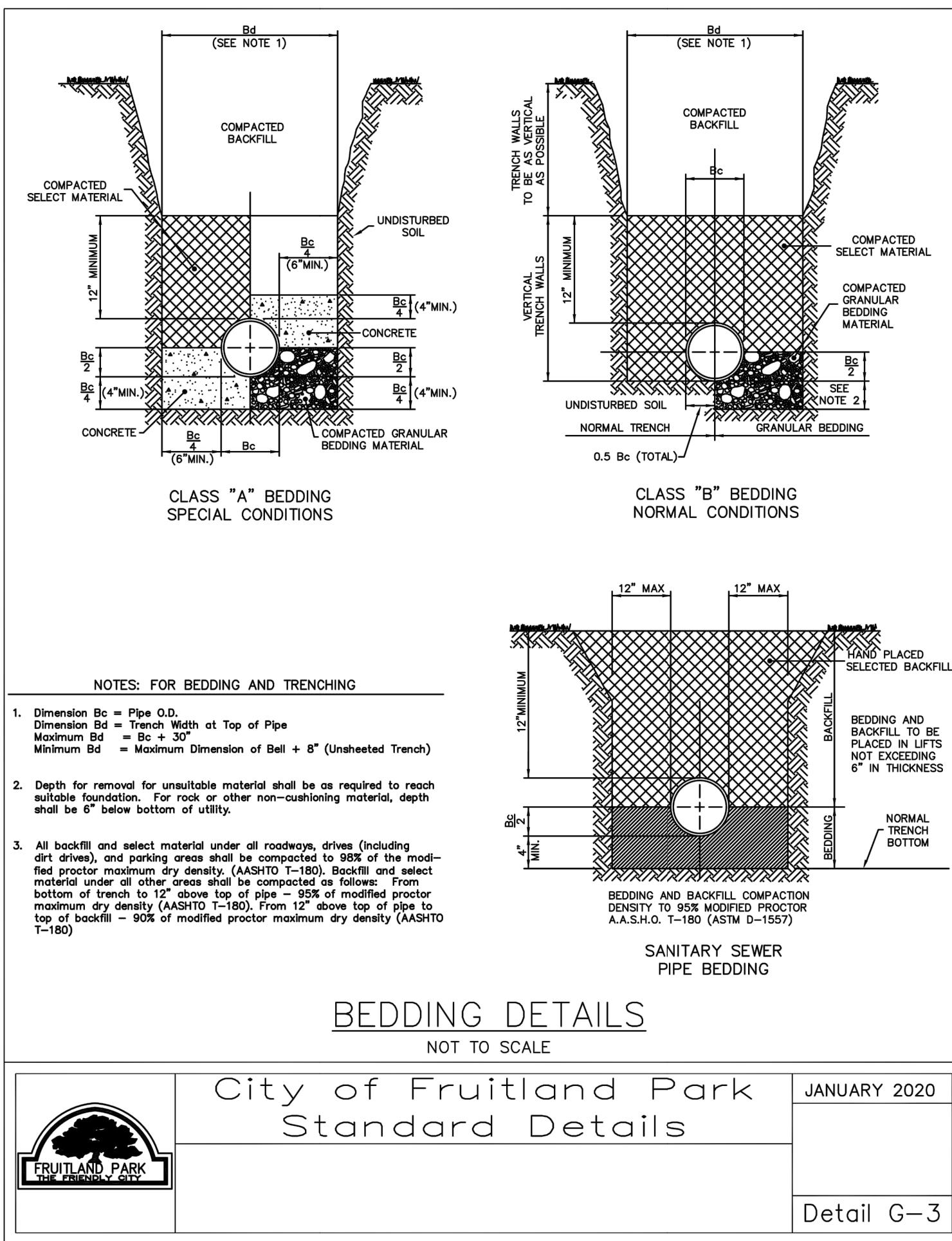
Fruitland Park, Florida
Spring Lake Road
 Aerial Plan



half
 902 NORTH SINGLAR AVE.
 TAVARES, FLORIDA 32778
 TEL. (852) 343-9481

DATE: APRIL 2023
 DESIGNED BY: BJT
 DRAWN BY: MC
 CHECKED BY: CB
 JOB NO.: 43866.098
 FILE NAME: SPRING LAKE RD
Sheet 02

BRETT J. TOBIAS, PE
 Registered Eng 69017



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Fruitland Park, Florida
Spring Lake Road
Grading Plan



half
902 NORTH SINGLAIER AVE.
TALLAHASSEE, FLORIDA 32310
TEL. (904) 343-9481

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Sheet 04

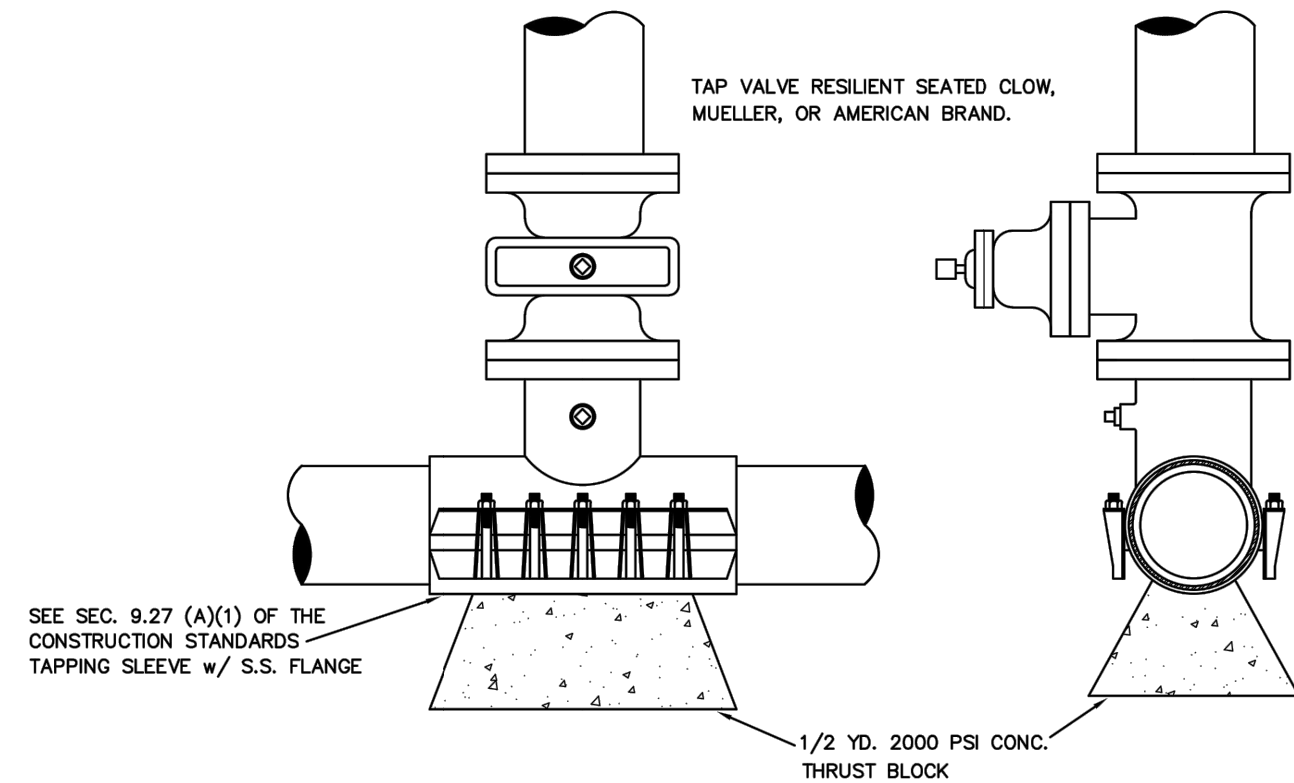
BRETT J. TOBIAS, PE
Registered Eng 69017

GENERAL WATER NOTES


1. WATER SYSTEM SHALL BE INSTALLED IN STRICT ACCORDANCE WITH ALL LOCAL CODES AND REGULATIONS, CLEANED, DISINFECTED AND BACTERIOLOGICALLY CLEARED FOR SERVICE IN ACCORDANCE WITH THE LATEST AWWA STANDARDS AND CHAPTER 62-555 FLORIDA ADMINISTRATIVE CODE.
2. ALL PIPING SHALL BEAR THE "NSF" SEAL FOR POTABLE WATER.
3. WATER MAINS SHALL BE PVC CONFORMING TO AWWA C-900, DR 18 FOR PIPE SIZES 4"-12". PIPES 14" OR LARGER SHALL BE AWWA C-905, DR 18. ALL COUPLINGS, COMPOUNDS, SOLVENTS, LUBRICANTS AND PIPE PREPARATION, FOR LAYING, SHALL BE IN ACCORDANCE WITH THE PIPE MANUFACTURERS LATEST RECOMMENDATIONS.
4. DEPTH OF WATER LINES TO BE MINIMUM 36" BELOW FINISHED GRADE.
5. WATER MAINS TO BE LOCATED 5' FROM BACK OF CURB OR EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
6. ALL PIPING CLEARANCES SHALL BE IN ACCORDANCE WITH CHAPTER 62-555.314, F.A.C., AND APPROVED BY THE CITY.
7. ALL WATER MAINS UNDER PAVEMENT SHALL BE DUCTILE IRON AND SHALL EXTEND 5' BEYOND THE BACK OF CURB, OR DIRECTIONAL BORES, WHICH SHALL BE SDR-11 HDPE.
8. ALL SLEEVES UNDER PAVEMENT SHALL EXTEND 5' BEYOND THE BACK OF CURB.

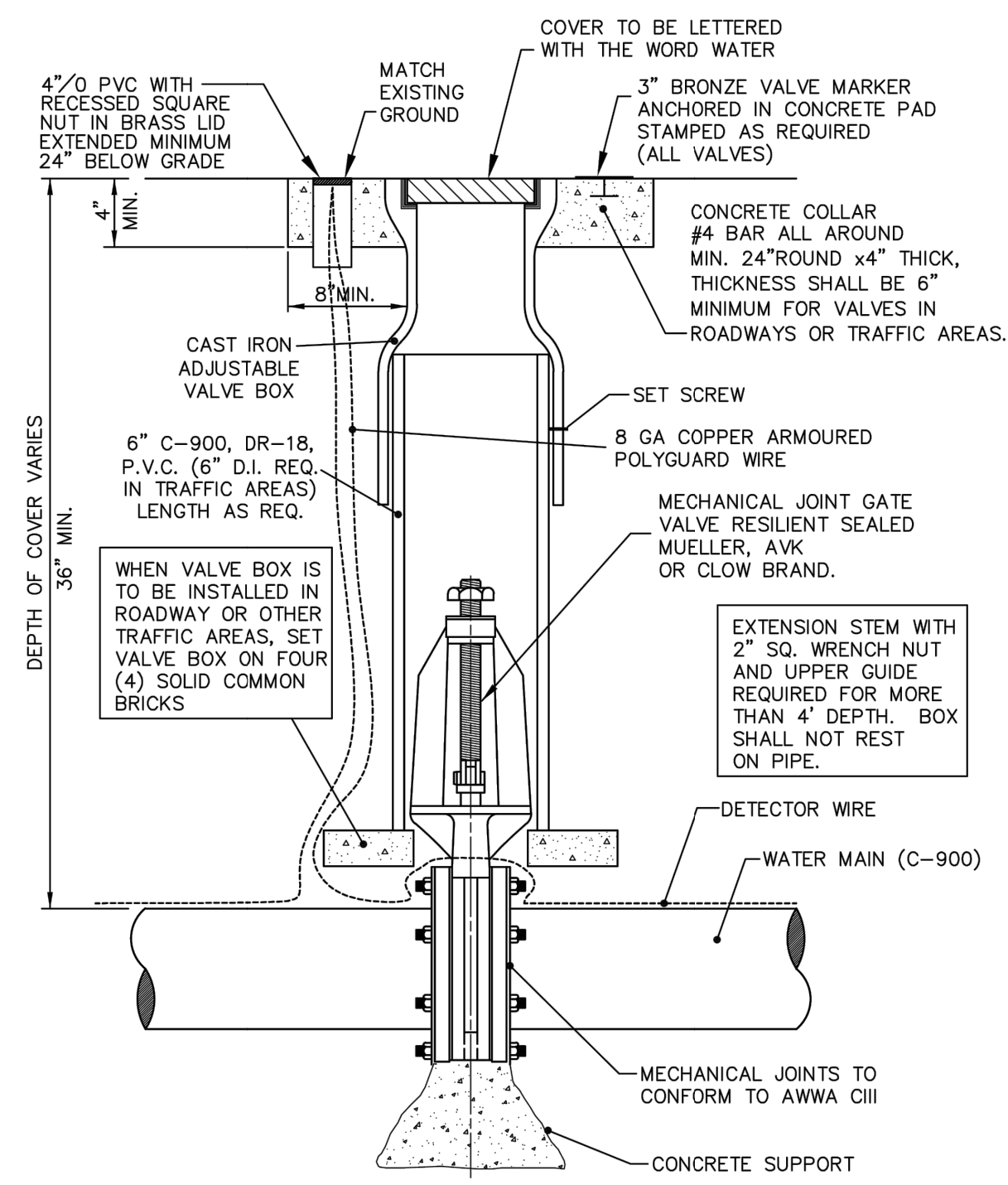
•• NOTE: MARK ALL POINTS WHERE WATER SERVICES CROSS CURB WITH A "W" MARK IN CONCRETE.

	City of Fruitland Park Standard Details	JANUARY 2020
	Detail W-1	




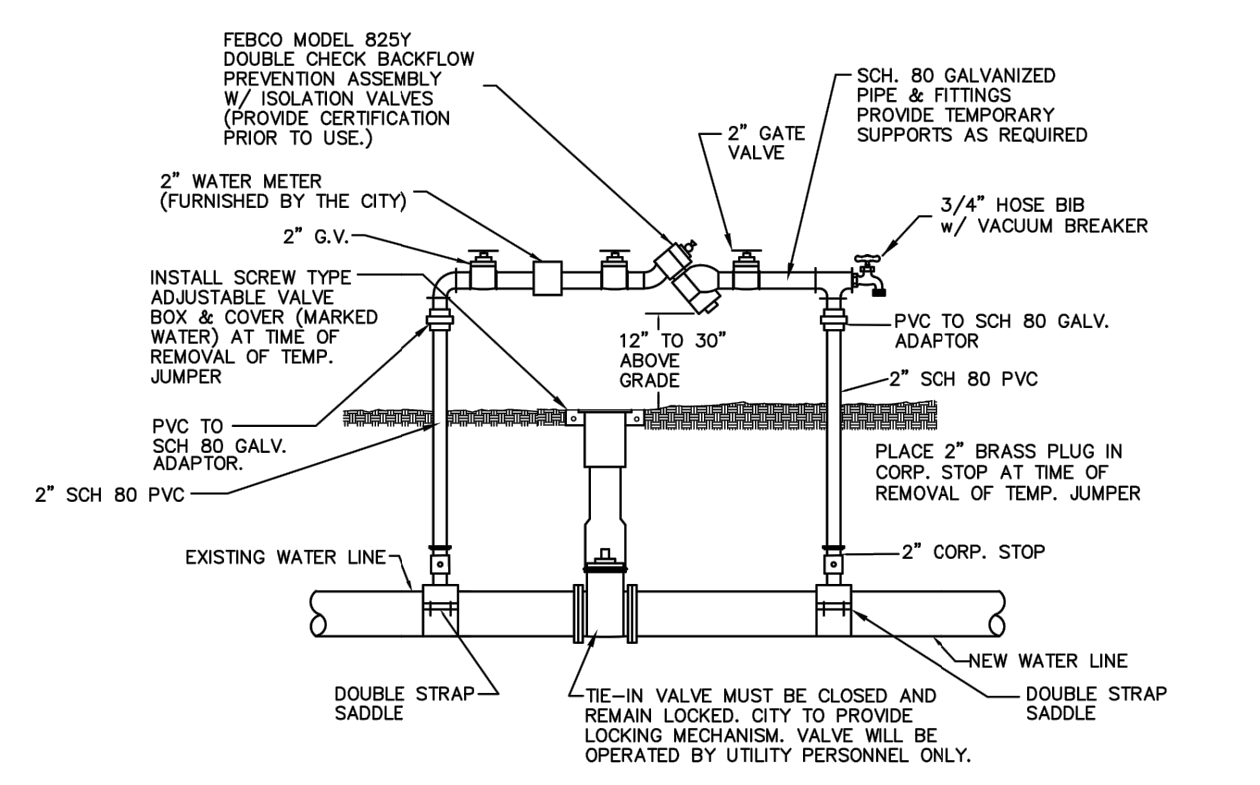
WET TAP SLEEVE & TAP VALVE
NOT TO SCALE

	City of Fruitland Park Standard Details	JANUARY 2020
	Detail W-2	




GATE VALVE & BOX
NOT TO SCALE

	City of Fruitland Park Standard Details	JANUARY 2020
	Detail W-3	



TEMPORARY JUMPER CONNECTION DETAIL
NOT TO SCALE

NOTE: LOCATION TO BE DETERMINED AT TIME OF PRECONSTRUCTION CONFERENCE W/ CITY.

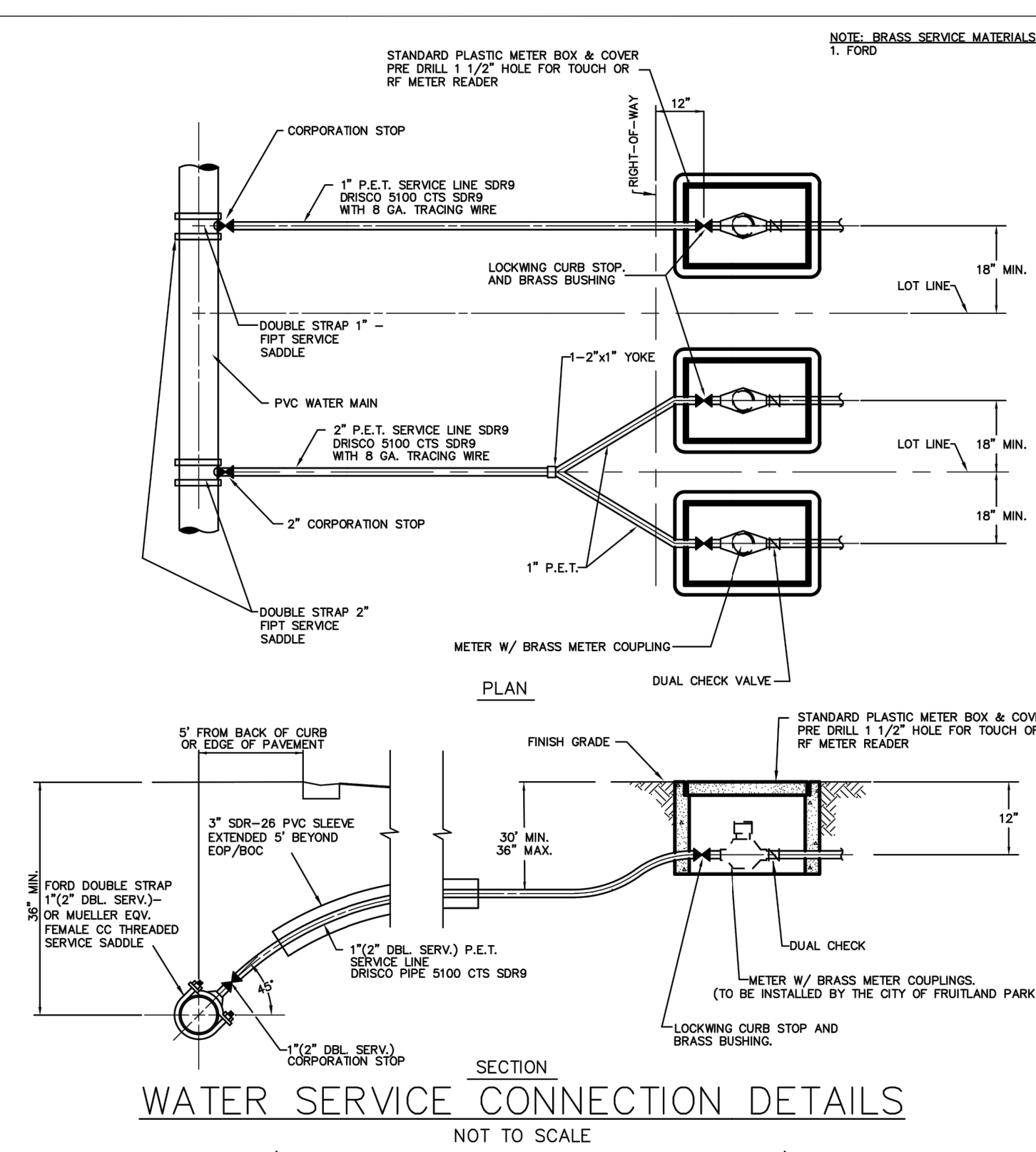
	City of Fruitland Park Standard Details	JANUARY 2020
	Detail W-7	

- ### TEMPORARY JUMPER CONNECTION NOTES
1. A TEMPORARY JUMPER CONNECTION IS REQUIRED AT ALL CONNECTIONS BETWEEN EXISTING ACTIVE WATER MAINS AND PROPOSED NEW WATER MAIN IMPROVEMENTS.
 2. THE DETAILS TO BE USED FOR FILLING ANY WATER MAIN OF ANY SIZE FROM EXISTING ACTIVE WATER MAINS AND FOR FLUSHING OF NEW MAINS UP TO 8" DIAMETER (2.5 FPS MINIMUM VELOCITY) AND FOR PULLING BACTERIOLOGICAL SAMPLES FROM ANY NEW WATER MAIN OF ANY SIZE. THE JUMPER CONNECTION SHALL BE MAINTAINED UNTIL AFTER FILLING, FLUSHING, TESTING AND DISINFECTION OF THE NEW MAIN HAS BEEN SUCCESSFULLY COMPLETED AND CLEARANCE FOR USE FROM THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP) AND OTHER PERTINENT AGENCIES HAS BEEN RECEIVED. THE JUMPER CONNECTION SHALL ALSO BE USED TO MAINTAIN A MINIMUM PRESSURE OF 20 PSI IN THE NEW MAINS ALL THE TIME AFTER DISINFECTION AND UNTIL THE FDEP CLEARANCE LETTER IS OBTAINED. ADEQUATE THRUST BLOCKING AND/OR RESTRAINTS SHALL BE PROVIDED TEMPORARILY, AS REQUIRED. PIPE AND FITTINGS USED FOR CONNECTING THE NEW PIPE TO THE EXISTING PIPE SHALL BE DISINFECTED PRIOR TO INSTALLATION IN ACCORDANCE WITH AWWA C651. THIS TAPPING SLEEVE AND THE EXTERIOR OF THE MAIN TO BE TAPPED SHALL BE DISINFECTED BY SPRAYING OR SWABBING PER SECTION II OF AWWA C651.
 3. FLUSHING OF 10" DIAMETER AND LARGE WATER MAINS MAY BE DONE THROUGH THE TIE-IN VALVE, IN THE PRESENCE OF THE UTILITY DEPART. THE UTILITY DEPARTMENT WILL BE NOTIFIED IN WRITING 48 HOURS PRIOR TO THE FLUSHING OF SAID MAINS.

THE FOLLOWING PROCEDURES SHALL BE FOLLOWED:

 - A. THE TIE-IN VALVES SHALL BE OPERATED AND PRESSURE TESTED IN THE PRESENCE OF THE UTILITY COMPANY AND ENGINEER TO VERIFY WATER TIGHTNESS PRIOR TO THE TIE-IN VALVES WHICH ARE NOT WATER TIGHT SHALL BE REPLACED OR A NEW VALVE INSTALLED IMMEDIATELY ADJACENT TO THE LEAKING VALVE.
 - B. THE TEMPORARY JUMPER CONNECTION SHALL BE CONSTRUCTED AS DETAILED. THE JUMPER CONNECTION SHALL BE USED TO FILL THE NEW WATER MAIN AND FOR PROVIDING WATER FOR BACTERIOLOGICAL SAMPLING OF THE NEW MAIN AS REQUIRED BY THE FDEP PERMIT.
 - FLUSHING SHALL NOT BE ATTEMPTED DURING PEAK DEMAND HOURS OF THE EXISTING WATER MAIN.
 - ALL DOWNSTREAM VALVES IN THE NEW SYSTEM MUST BE OPEN PRIOR TO OPENING THE TIE-IN VALVE.
 - PROVIDE FOR AND MONITOR THE PRESSURE AT THE TIE-IN POINT, THE PRESSURE IN THE EXISTING MAIN MUST NOT DROP BELOW 35 PSI.
 - TIE-IN VALVE SHALL BE OPENED A FEW TURNS ONLY, ENSURING A PRESSURE DROP ACROSS THE VALVE IS ALWAYS GREATER THAN 10 PSI.
 - C. THE TIE-IN VALVE SHALL BE LOCKED CLOSED BY THE CITY UNTIL FLUSHING BEGINS.
 - D. THE TIE-IN VALVE SHALL BE OPENED ONLY A FEW TURNS FOR FLUSHING OF THE NEW MAIN. THE PROCEDURE SHALL BE DIRECTED BY THE CITY AND OBSERVED BY THE ENGINEER.
 - E. AFTER FLUSHING, THE TIE-IN VALVE SHALL BE CLOSED AND LOCKED IN THE CLOSED POSITION BY THE CITY.
 4. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION DEMONSTRATING THAT THE RPZ BACKFLOW PREVENTION DEVICE HAS BEEN TESTED WITHIN ONE YEAR AT THE TIME OF INSTALLATION AND IS IN GOOD WORKING ORDER AT THE TIME OF INSTALLATION. THE TEST SHALL BE PERFORMED BY A QUALIFIED BACKFLOW PREVENTION TECHNICIAN.
 5. EXCEPT AS REQUIRED TO FLUSH LINES OF GREATER THAN 8" IN DIAMETER, THE TIE-IN VALVE SHALL REMAIN CLOSED AND SHALL BE LOCKED IN THE CLOSED POSITION BY THE CITY. THE TIE-IN VALVE SHALL REMAIN LOCKED CLOSED UNTIL THE NEW SYSTEM HAS BEEN CLEARED FOR USE BY FDEP AND ALL OTHER PERTINENT AGENCIES.
 6. UPON RECEIPT OF CLEARANCE FOR USE FROM FDEP AND ALL OTHER PERTINENT AGENCIES, THE CONTRACTOR SHALL REMOVE THE JUMPER CONNECTION. THE CORPORATION STOPS ARE TO BE CLOSED AND PLUGGED WITH 2" BRASS PLUGS.
 7. ALL INSTALLATION AND MAINTENANCE OF THE TEMPORARY JUMPER CONNECTION AND ASSOCIATED BACKFLOW PREVENTION DEVICE FITTINGS, VALVE, ETC., SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

	City of Fruitland Park Standard Details	JANUARY 2020
	Detail W-8	



WATER SERVICE CONNECTION DETAILS
NOT TO SCALE

(NOTE: METERS TO BE INSTALLED BY CITY OF FRUITLAND PARK.)

	City of Fruitland Park Standard Details	JANUARY 2020
	Detail W-9	

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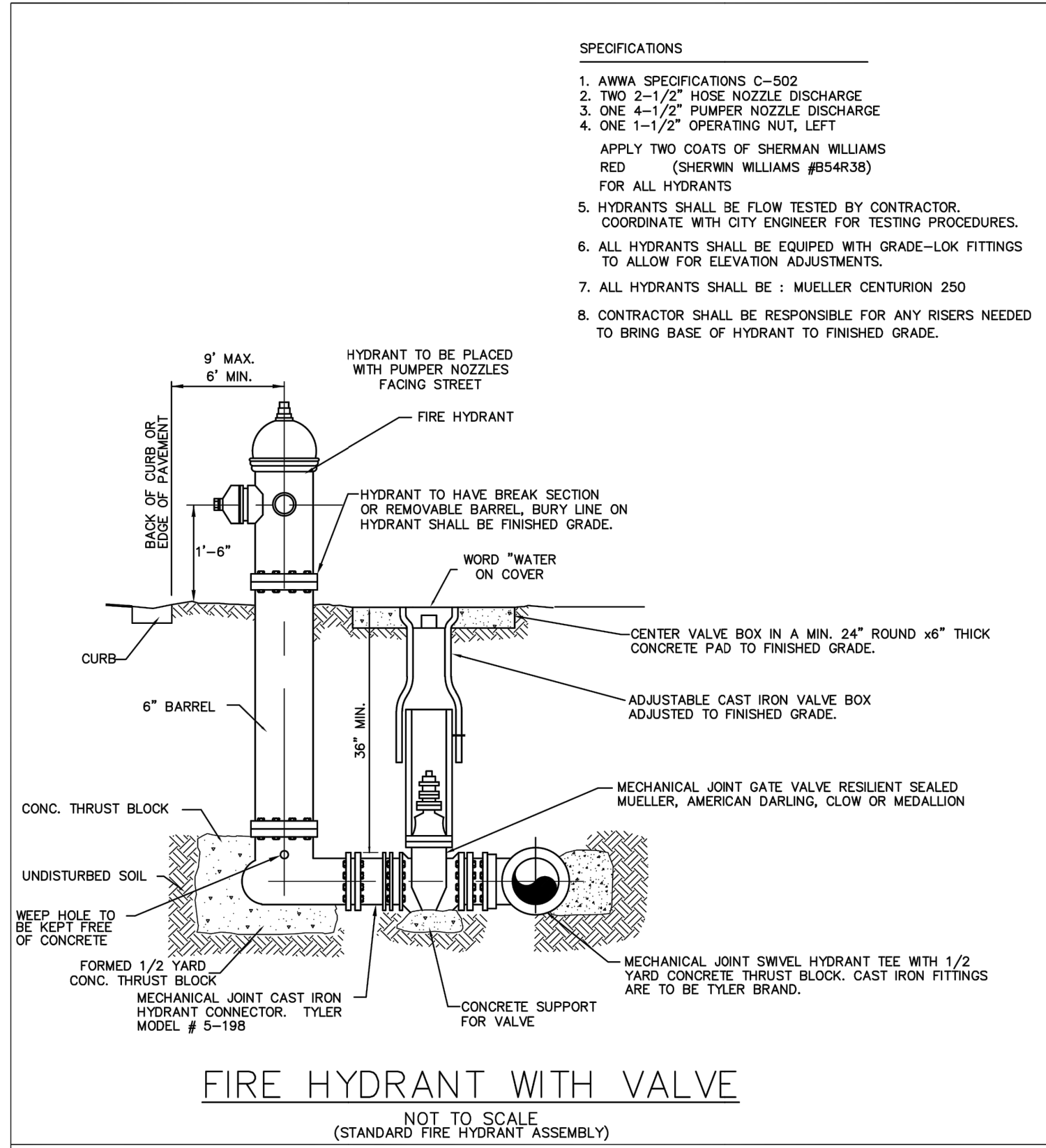
Fruitland Park, Florida
Spring Lake Road
City Detail Sheet (2)



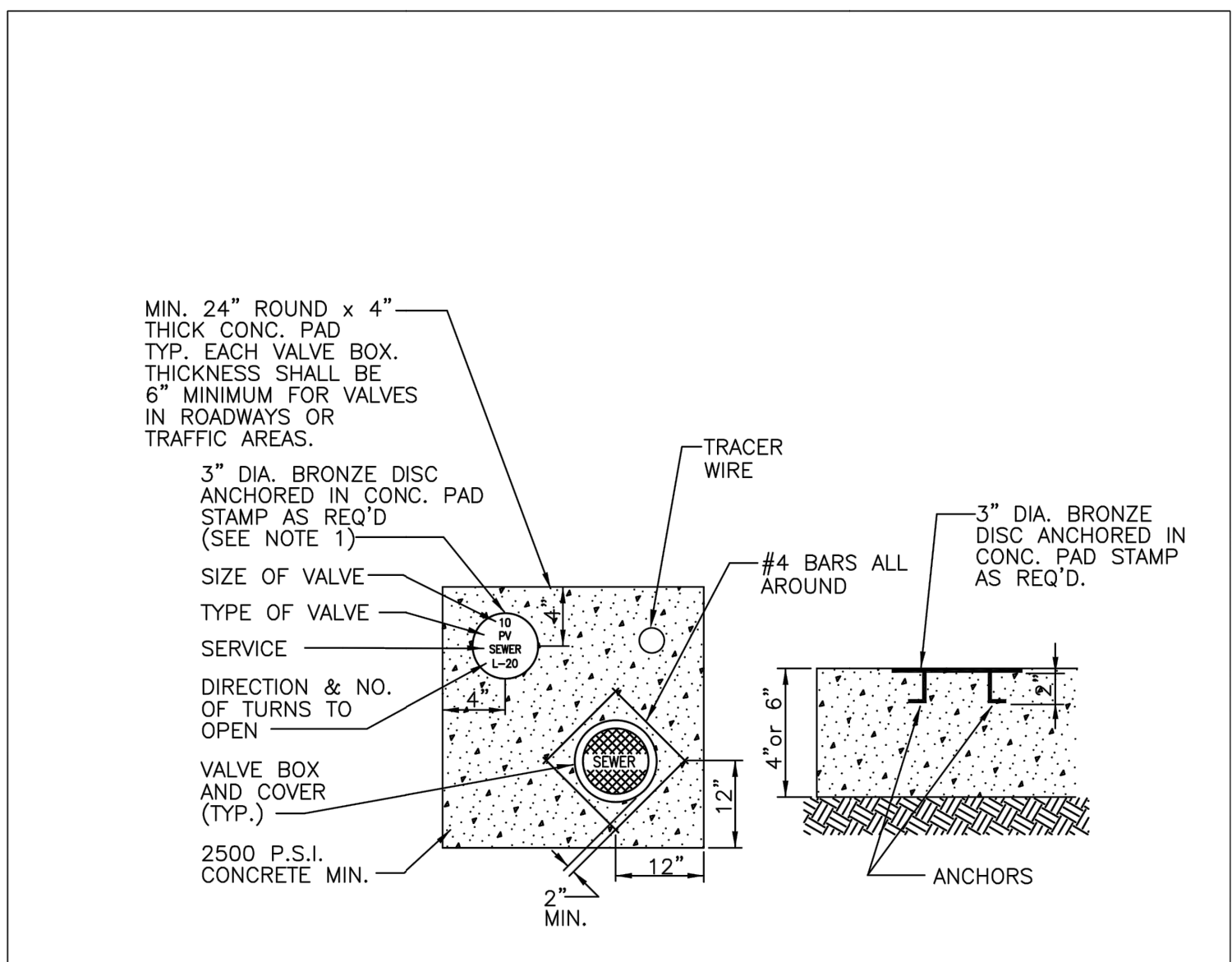
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902 NORTH SINGLAI AVE.
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Sheet 05	

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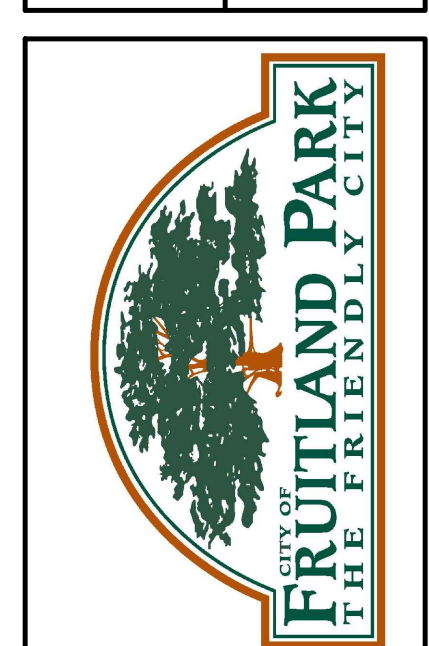
VALVE COLLAR
NOT TO SCALE

NOTES:
1. BRONZE IDENTIFICATION DISC SHALL BE REQUIRED FOR ALL VALVES

	City of Fruitland Park Standard Details	JANUARY 2020

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Fruitland Park, Florida
Spring Lake Road
City Detail Sheet (3)



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TAVARES, FLORIDA 32778
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