

AGREEMENT

THIS AGREEMENT is dated as of the _____ day of _____ in the year 2018 by and between CITY OF POMPANO BEACH, FLORIDA (hereinafter called OWNER) and Youngquist Brothers, Inc. (hereinafter called CONTRACTOR).

OWNER and CONTRACTOR, in consideration of the mutual covenants hereinafter set forth, agree as follows:

Article 1. WORK

The project consist of the furnishing of all labor, equipment and materials for: Construction of a replacement Class I Injection Well at the City's Water Treatment Plant.

The Project for which the Work under the Contract Documents may be the whole or only a part is generally described as follows: IW-1R Deep Well Replacement Project.

Article 2. ENGINEER

The Project has been designed by _____ who is hereinafter called ENGINEER and who is to act as OWNER'S representative, assume all duties and responsibilities and have the rights and authority assigned to ENGINEER in the Contract Documents in connection with completion of the Work in accordance with the Contract Documents.

Article 3. CONTRACT TIME

The Work will be substantially completed within _____ days from the date the Contract Time commences to run as provided in the EXHIBIT "B" GENERAL CONDITIONS, and completed and ready for final payment in accordance with the EXHIBIT "B" GENERAL CONDITIONS.

Article 4. PRECONSTRUCTION PHASE REQUIREMENTS

Contractor shall be instructed to commence the Work by written instruction in the form of a Purchase Order issued by the City's General Services Department and two or more Notices to Proceed issued by the Contract Administrator. The first Notice to Proceed and Purchase Order will not be issued until Contractor's submission to City of all required documents and after execution of this Contract by both Parties. Preliminary work, including submission of a project schedule, schedule of values, submittals, submittal schedule, and other documents required for permitting, and performance of work that does not require permits, shall be commenced within ten (10) calendar days after the date of the first Notice to Proceed. Contractor shall have ten (10) days after receipt of signed and sealed contract drawings from Consultant to apply for construction permits to the applicable permitting authority. Issuance of all permits by the permitting authority shall be a condition precedent to the issuance of a second Notice to Proceed for all other Work. Except for the reimbursement of permit application fees as may be provided in the Contract Documents, Contractor shall not be entitled to compensation of any kind during the permitting process. The

Work to be performed pursuant to the second Notice to Proceed shall be commenced within ten (10) calendar days of the Project Initiation Date specified in the second Notice to Proceed.

Article 5. LIQUIDATED DAMAGES

OWNER and CONTRACTOR recognize that time is of the essence of the Agreement and that OWNER will suffer financial loss if the Work is not completed within the times specified in Article 3, above, plus any extensions thereof allowed in accordance with the EXHIBIT "B" GENERAL CONDITIONS. They also recognize the delays, expense and difficulties involved in the proving in a legal or arbitration proceeding the actual loss suffered by OWNER if the Work is not completed on time. Accordingly, instead of requiring any such proof, OWNER and CONTRACTOR agree that as liquidated damages for delay (but not as a penalty) CONTRACTOR shall pay OWNER two hundred and 00/100 dollars (\$200.00) for each day that expires after the time specified in Article 3 for Substantial Completion, plus any monies paid by the OWNER to the ENGINEER for additional engineering and inspection services until the Work is substantially complete. After Substantial Completion if CONTRACTOR shall neglect, refuse or fail to complete the remaining Work within the Contract Time or any proper extension thereof granted by OWNER, CONTRACTOR shall pay the OWNER one hundred and 00/100 (\$100.00) for each day that expires after the time specified in Article 3 for completion of Work and readiness for final payment, plus any monies paid by the OWNER to the ENGINEER for additional engineering and inspection services.

Article 6. CONTRACT PRICE

OWNER shall pay CONTRACTOR for completion of the Work in accordance with the Contract Documents in current funds as follows:

Contractor shall complete the work for a not-to-exceed total price of six million nine hundred and ninety nine thousand nine hundred and ninety five dollars (\$6,999,995.00) as per the Contractor's proposal and schedule of values.

Article 7. PAYMENT PROCEDURES

7.1 CONTRACTOR shall submit Applications for Payment in accordance with the EXHIBIT "B" GENERAL CONDITIONS. Applications for Payment will be processed by ENGINEER as provided in the EXHIBIT "B" GENERAL CONDITIONS.

7.2 Progress Payments. OWNER shall make progress payments on account of the Contract Price on the basis of CONTRACTOR'S Applications for Payment as recommended by ENGINEER, on or about the 1st day of each month during construction as provided below. All progress payments will be on the basis of the progress of the Work measured by the schedule of values established in the EXHIBIT "B" GENERAL CONDITIONS (and in the case of Unit Price Work based on the number of units completed) or, in the event there is no schedule of values, as provided in the General Requirements.

7.2.1 Prior to Substantial Completion, progress payments will be made in an amount equal to the percentage indicated below, but, in each case, less the aggregate of payments previously made and such amounts as ENGINEER shall determine, or OWNER may withhold, accordance with the EXHIBIT "B" GENERAL CONDITIONS.

10% of Work completed will be withheld by OWNER as retainage.

7.2.2 Upon Substantial Completion, in an amount sufficient to increase total payments to CONTRACTOR to 90% of the Contract Price, less such amounts as ENGINEER shall determine, or OWNER may withhold, in accordance with the EXHIBIT "B" GENERAL CONDITIONS.

7.3 Final Payment. Upon final completion and acceptance of the Work in accordance with the EXHIBIT "B" GENERAL CONDITIONS, OWNER shall pay the remainder of the Contract Price as recommended by ENGINEER as provided in said EXHIBIT "B" GENERAL CONDITIONS.

Article 8. CONTRACTOR'S REPRESENTATIONS

In order to induce OWNER to enter into this Agreement, CONTRACTOR makes the following representations:

8.1 CONTRACTOR has familiarized itself with the nature and extent of the Contract documents,

Work, site, locality, and all local conditions and Laws and Regulations that in any manner may affect cost, progress, performance or furnishing of the Work.

8.2 CONTRACTOR has studied carefully all reports of explorations and tests of subsurface conditions and drawings of physical conditions which are identified in the specifications, drawings and plans, and accepts the determination set forth in the specifications, drawings and plans, of the extent of the technical data contained in such reports and drawings upon which CONTRACTOR is entitled to reply.

8.3 CONTRACTOR has obtained and carefully studied (or assumes responsibility for obtaining and carefully studying) all such examinations, investigations, explorations, tests, reports and studies in addition to or to supplement physical conditions at or contiguous to the site or otherwise may affect the cost, progress, performance or furnishing of the Work as CONTRACTOR considers necessary for the performance or furnishing of the Work at the Contract Price, within the Contract Time and in accordance with other terms and conditions of the Contract Documents, including specifically the provisions of the EXHIBIT "B" GENERAL CONDITIONS; and no additional examinations, investigations, explorations, tests, reports, studies or similar information or data are or will be required by CONTRACTOR for such purposes.

8.4 CONTRACTOR has reviewed and checked all information and data shown or indicated on the Contract Documents with respect to existing Underground Facilities at or contiguous to the site and assumes responsibility for the accurate location of said Underground Facilities. No additional examinations, or investigations, explorations, tests, reports, studies or similar

information or data in respect of said Underground Facilities are or will be required by CONTRACTOR in order to perform and furnish the Work at the Contract Price, within the Contract Time and in accordance with the other terms and conditions of the Contract Documents.

8.5 CONTRACTOR has correlated the results of all such observations, examinations, investigations, explorations, tests, reports and studies with the terms and conditions of the Contract Documents.

8.6 CONTRACTOR has given ENGINEER written notice of all conflicts, errors or discrepancies that he has discovered in the Contract Documents and the written resolution thereof by ENGINEER is acceptable to CONTRACTOR.

Article 9. CONTRACT DOCUMENTS

The Contract Documents which comprise the entire agreement between OWNER and CONTRACTOR concerning the Work consist of this Agreement and the following Exhibits, attached hereto and by reference incorporated herein and made a part hereof:

Exhibit “A” –Specifications, and drawings.

Exhibit “B” – General Conditions

Exhibit “C” – Contractor proposal and schedule of values.

Exhibit “D” – Payment, Performance bonds and/or other performance security

This Agreement and the exhibits listed above, including any approved amendments to the Agreement comprise the entirety of the contract documents between the CITY and CONTRACTOR. This Agreement may only be amended, modified or supplemented as provided in Exhibit “B”, General Conditions.

Any inconsistency in this Agreement and its exhibits listed above shall be resolved by giving precedence in the following order:

- a) This Agreement
- b) Exhibit “B”, General Conditions
- c) Exhibit “C”, Contractor proposal and schedule of values
- d) Exhibit “A”, Specifications and drawings

Article 10. MISCELLANEOUS

10.1 Terms used in this Agreement which are defined in the EXHIBIT “B” GENERAL CONDITIONS will have the meanings indicated in the EXHIBIT “B” GENERAL CONDITIONS.

10.2 No assignment by a party hereto of any rights under or interests in the Contract Documents will be binding on another party hereto without the written consent of the party sought to be bound; and specifically but without limitation moneys that may become due and moneys that are due may not be assigned without such consent (except to the extent that the effect of this restriction may be limited by law), and unless specifically stated to the Contrary in any written consent to an

assignment no assignment will release or discharge the assignor from any duty or responsibility under the Contract Documents.

10.3 OWNER and CONTRACTOR each binds itself, its partners, successors, assigns and legal representatives to the other party hereto, its partners, successors, assigns and legal representatives in respect of all covenants, agreements and obligations contained in the Contract Documents.

THE REMAINDER OF THIS PAGE IS INTENTIONALLY LEFT BLANK

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed the day and year hereinabove written.

Witnesses:

CITY OF POMPANO BEACH

By: _____
LAMAR FISHER, MAYOR

By: _____
GREGORY P. HARRISON, CITY MANAGER

Attest:

ASCELETA HAMMOND, CITY CLERK

(SEAL)

APPROVED AS TO FORM:

MARK E. BERMAN, CITY ATTORNEY

STATE OF FLORIDA
COUNTY OF BROWARD

The foregoing instrument was acknowledged before me this _____ day of _____, 2018 by **LAMAR FISHER** as Mayor, **GREGORY P. HARRISON** as City Manager, and **ASCELETA HAMMOND** as City Clerk of the City of Pompano Beach, Florida, a municipal corporation, on behalf of the municipal corporation, who is personally known to me.

NOTARY'S SEAL:

NOTARY PUBLIC, STATE OF FLORIDA

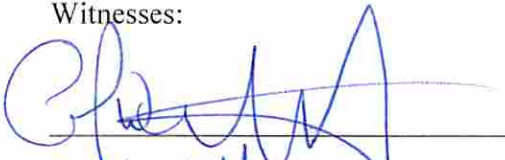
(Name of Acknowledger Typed, Printed or Stamped)


Commission Number

"CONTRACTOR"

Youngquist Brothers, Inc.

Witnesses:


C.W. (Bill) Musselwhite
(Print or Type Name)


Charles Reynolds
(Print or Type Name)

By:

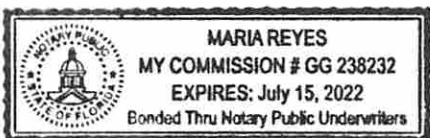

Harvey Yougquist Jr.

STATE OF FLORIDA

COUNTY OF Lee

The foregoing instrument was acknowledged before me this 12th day of October, 2018, by Harvey Yougquist Jr. as Vice President of Youngquist Brothers, Inc., a Florida corporation on behalf of the corporation. He is personally known to me ~~or who has produced~~
(type of identification) as identification.

NOTARY'S SEAL:




NOTARY PUBLIC, STATE OF FLORIDA

Maria Reyes
(Name of Acknowledger Typed, Printed or Stamped)

GG 238232
Commission Number



Exhibit 1
City of Pompano Beach WTP
IW System Location Map

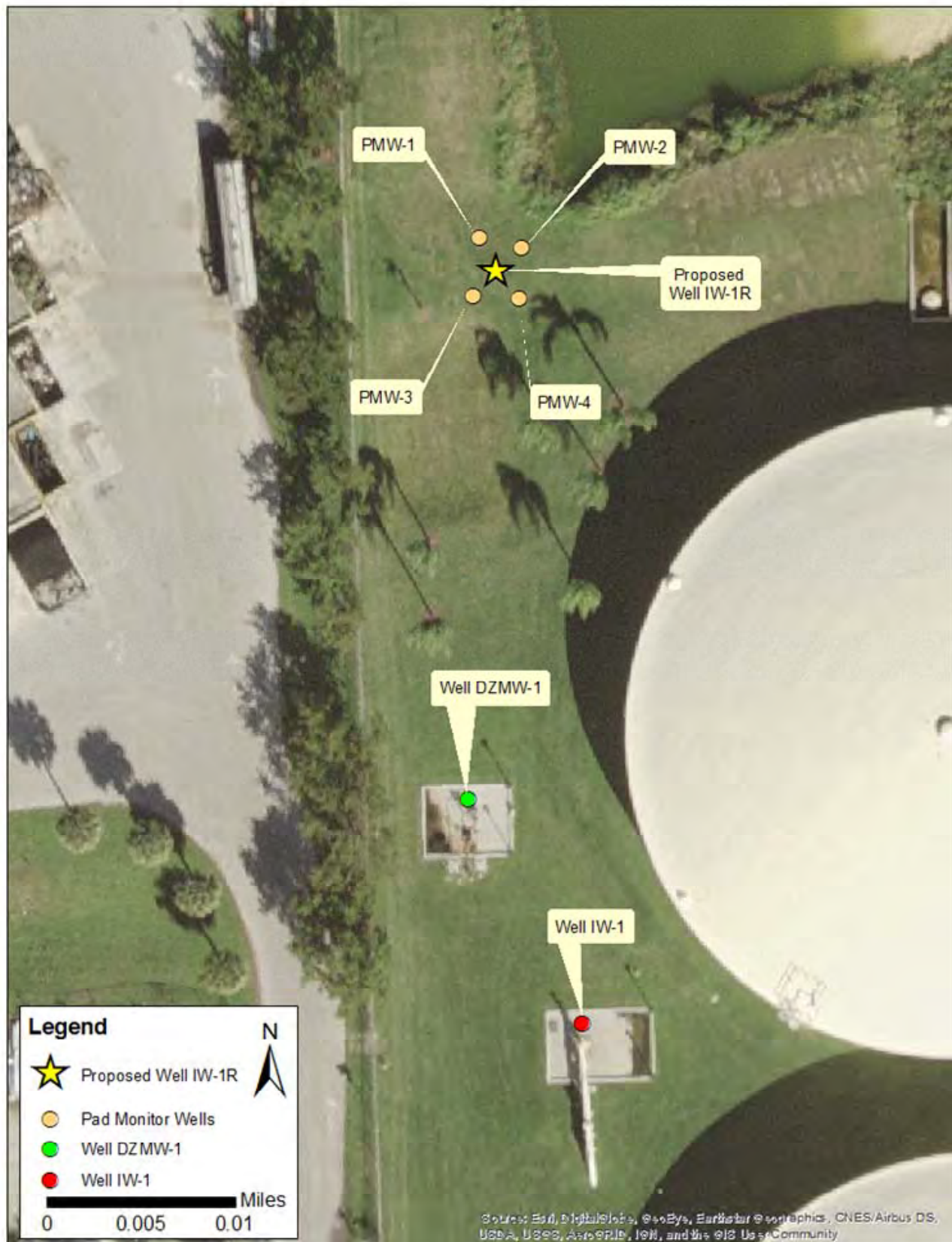


Exhibit 2
City of Pompano Beach WTP
Existing/Proposed Injection Well and Pad Monitoring Well Locations

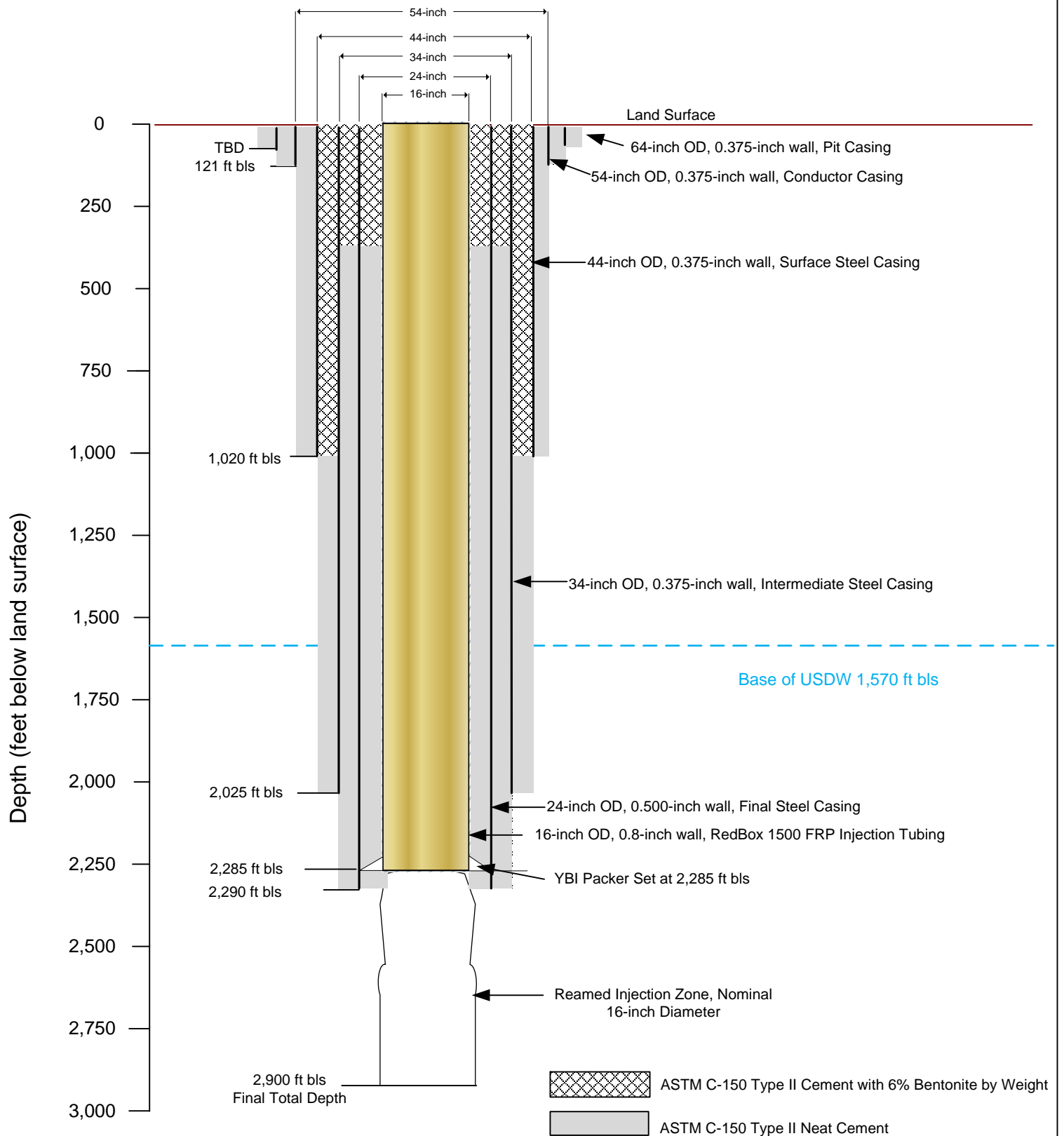
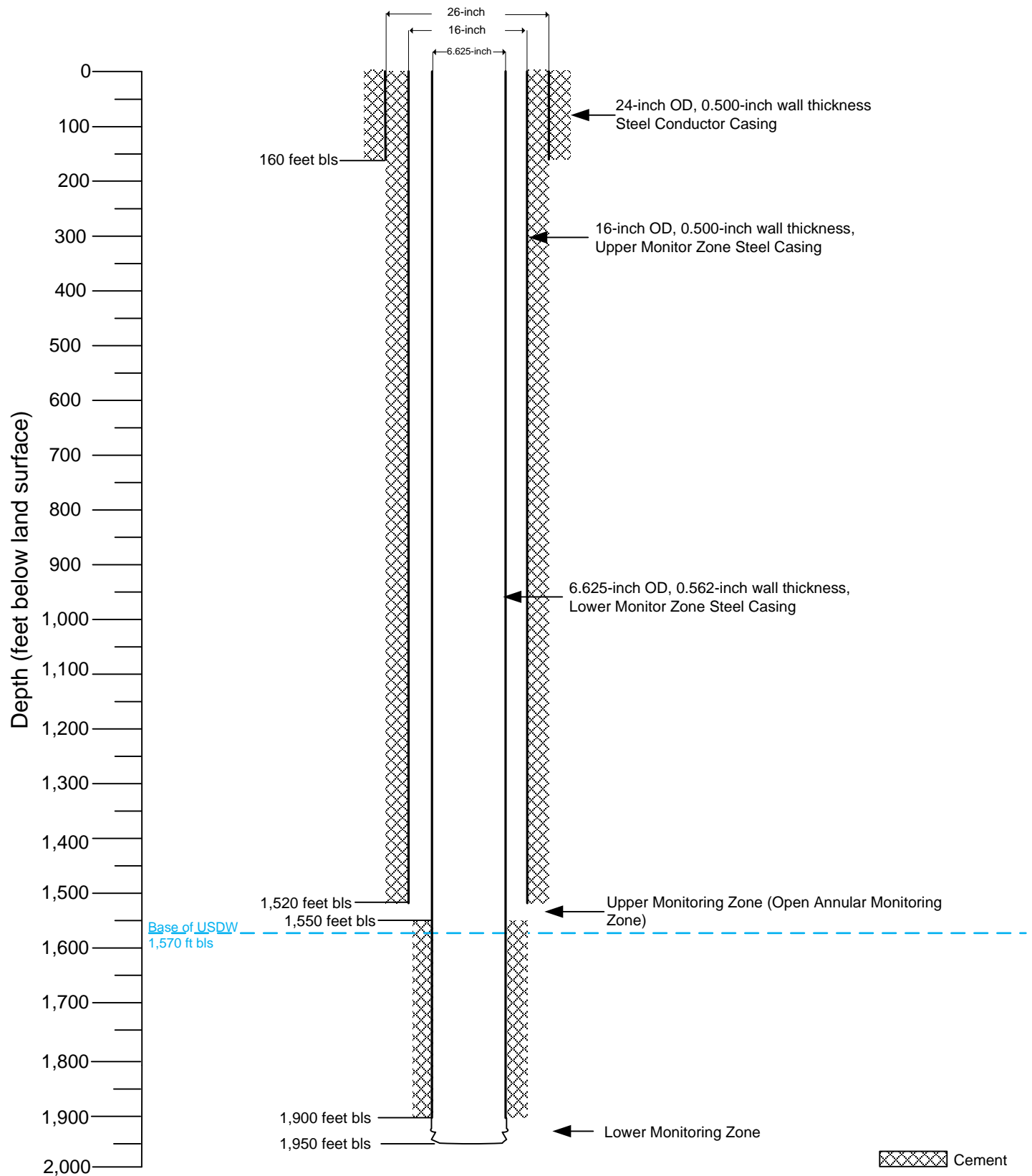


Exhibit 3
City of Pompano Beach WTP
Injection Well Construction Details





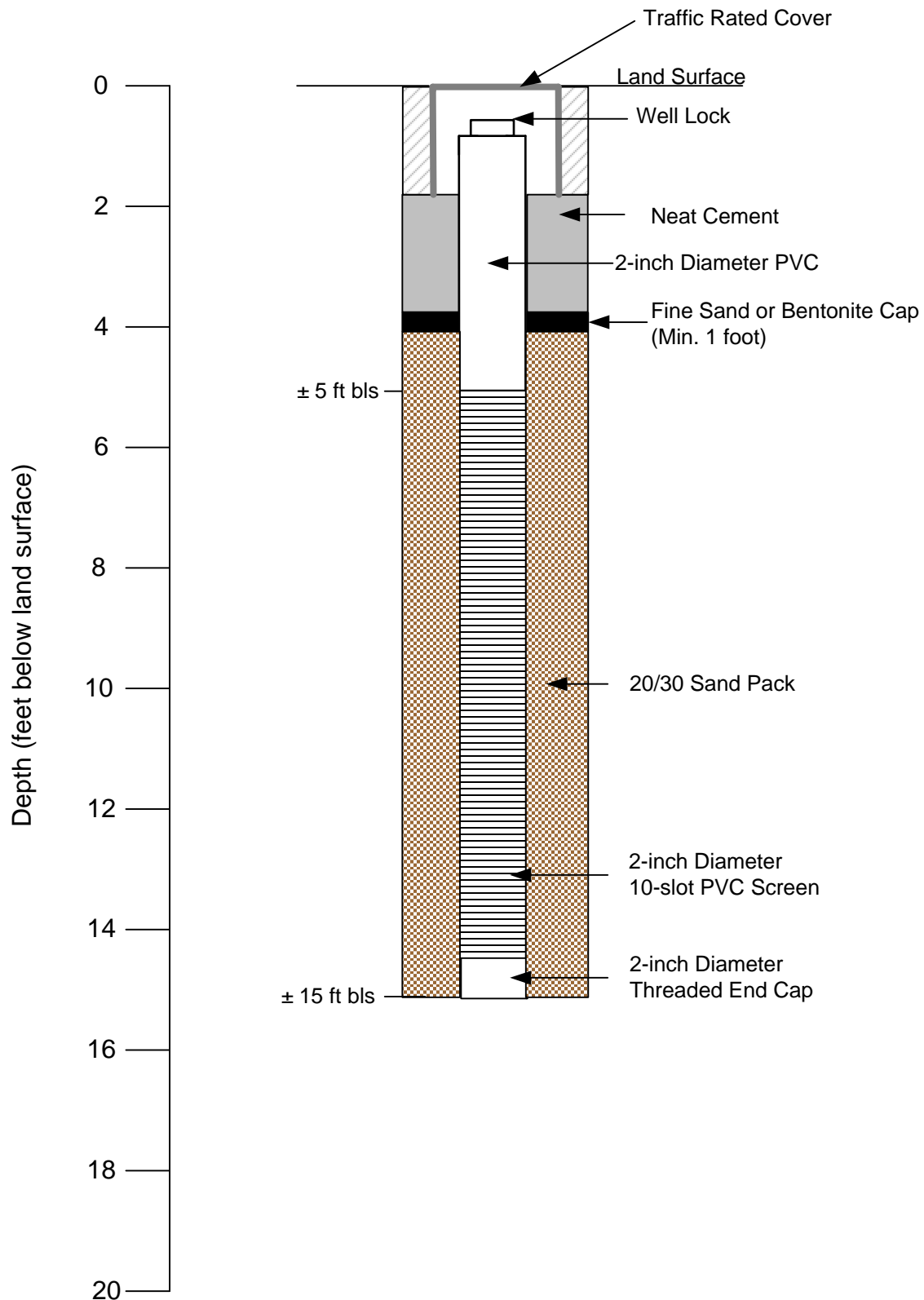


Exhibit 5
City of Pompano Beach WTP
Shallow Pad Monitoring Well and Wellhead Construction Details

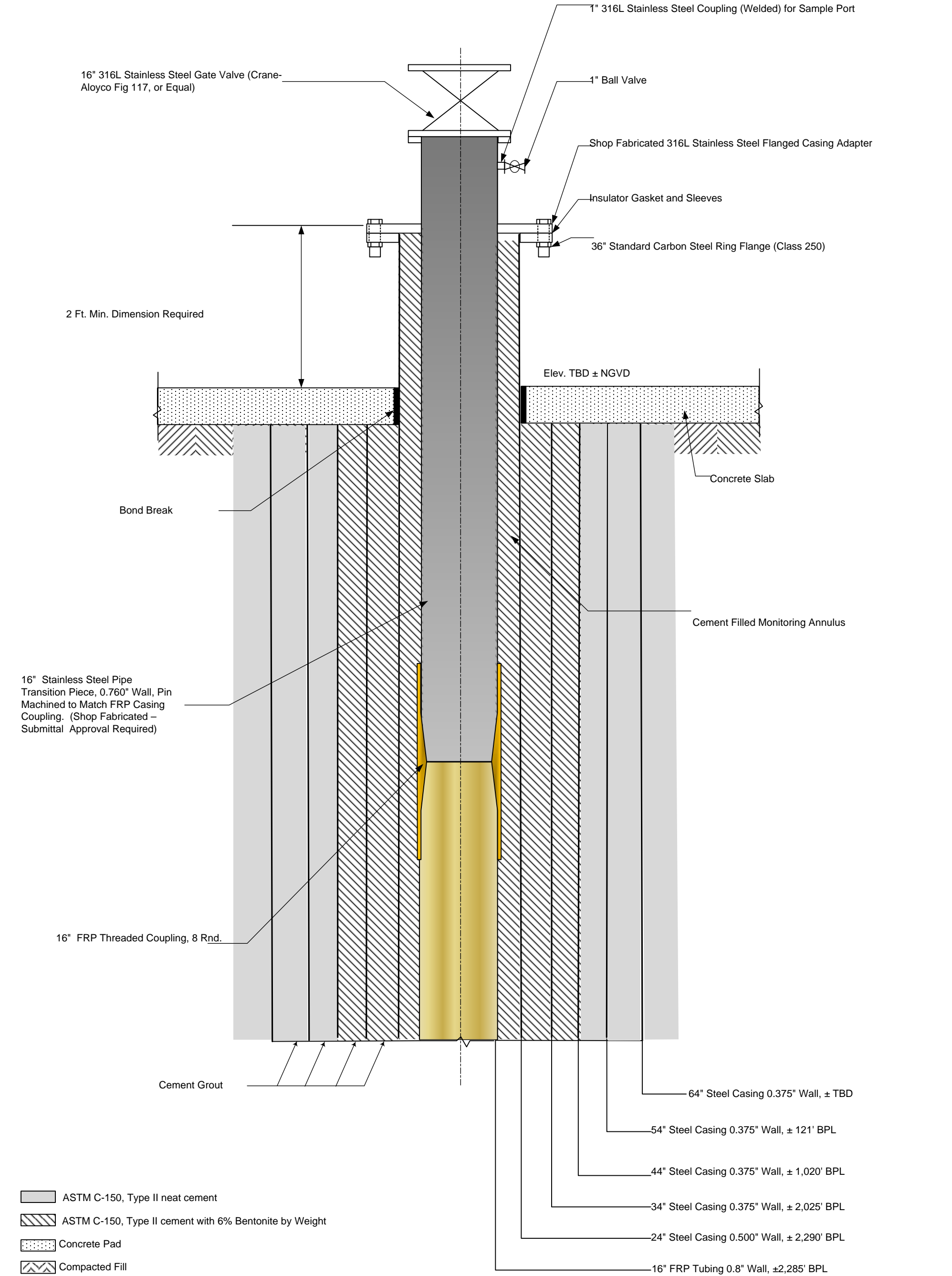


Exhibit 6
City of Pompano Beach WTP
Injection Well Wellhead Construction Details

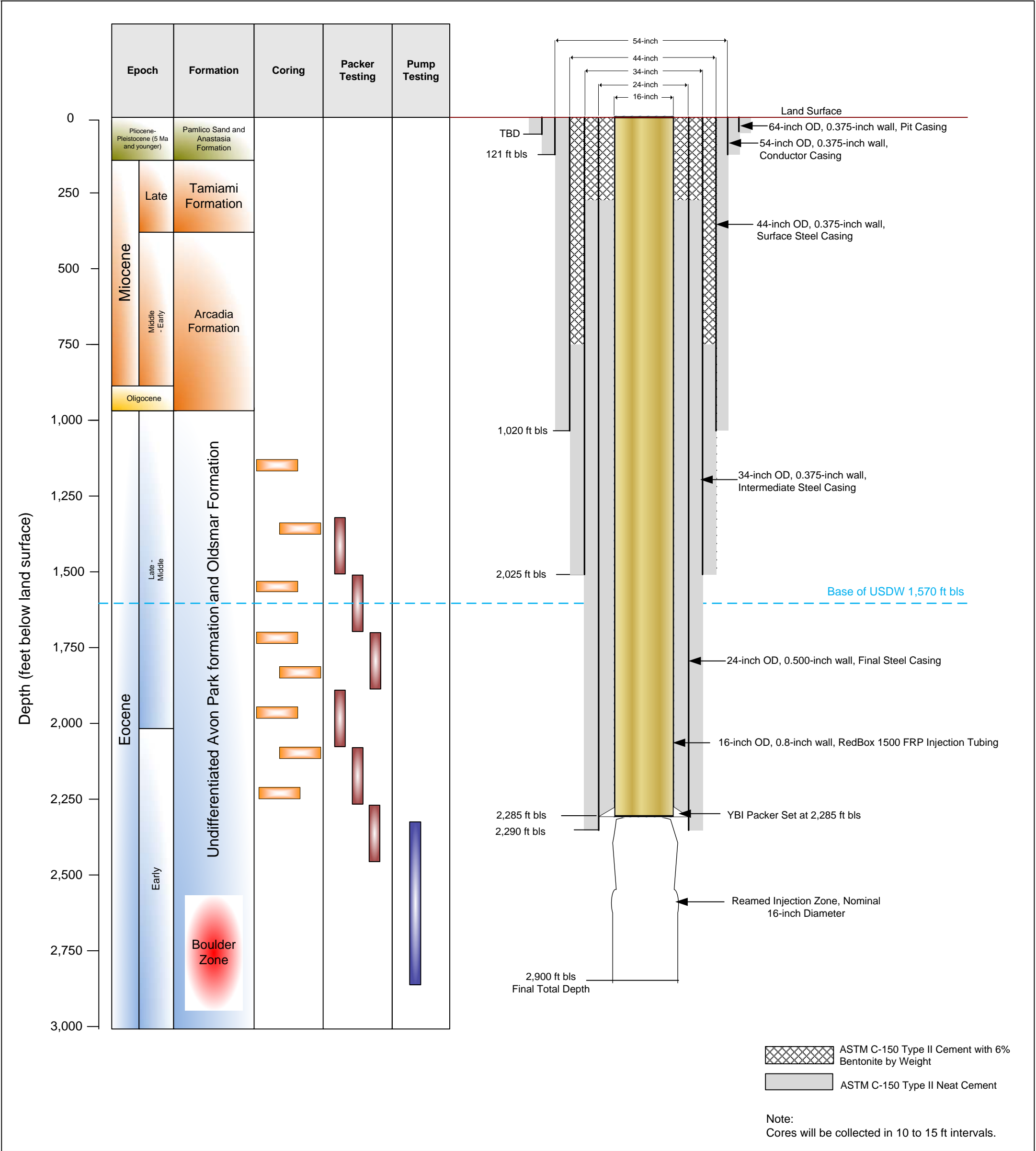


Exhibit 7
Summary of Drilling and Testing Activity for the Injection Well
City of Pompano Beach WTP



Monitoring Requirements of Rule 62-528.425, FAC*City of Pompano Beach Water Treatment Plant, Broward County, Florida*

Monitoring Requirement	Description of Design/Operation Component to Meet the Requirement
1 Analysis of injected fluids	The injected fluid source will be non-hazardous membrane softening concentrate. Annual wastestream analysis is provided under Appendix A . Proposed monitoring program is shown on Table 3-5 of this report.
2 Background water quality of injection zone and monitor zones	Background groundwater samples were collected during previous well construction activities from the monitoring zones of the current monitoring well array at the plant and the open intervals of the Class I DIW IW-1. After 10 years of injection operations, concentrate has displaced the native groundwater away from the injection wellfield. Accordingly, the City does not plan to collect samples from the Boulder Zone in the new injection well.
3 Installation of continuous indicating, recording and totalizing devices to monitor flow, volume, and pressure of the injectate	Injection well heads will incorporate instruments that measure and record, pressure, flow, and totalized injection volumes. The City will report these data monthly to FDEP after IW-1R is constructed and ready for operational testing. Proposed monitoring program is shown on Table 3-5 of this report.
4 Continuous indicating and recording of potentiometric groundwater levels on the monitoring well	Existing DZMW-1 head (UMZ & LMZ) incorporates instruments that measure and record potentiometric groundwater levels on the monitoring well. The City will continue to report these data monthly to FDEP. Existing in-service DZMW-1 will monitor for the potential influence of the injection wells on the USDW.
5 Demonstration of Internal Mechanical Integrity	Internal mechanical integrity testing of the well shall be conducted by performing a color television survey and a pressure test. These tests and surveys will be performed on the nominal 16-inch diameter FRP.
6 Demonstration of External Mechanical Integrity	External mechanical integrity testing of the well shall be conducted following the injection test. Non-hazardous membrane softening concentrate with a lower density than the Boulder Zone formation water will be used for injection testing. With the lower density water contained in the storage zone and casing, an upward gradient needed for Radioactive Tracer Survey (RTS) is produced.
7 Shallow groundwater monitoring	Four (± 15 -ft-deep) 2-inch-diameter PVC monitor wells, as seen in Exhibit 2 , will be installed around the injection well pad, or as otherwise directed by FDEP. Monitoring will include synoptic water levels and sampling for chlorides, TDS, temperature and specific conductivity. Sampling and analysis of the well will be conducted upon commencement of injection well drilling operations until the injection well is completed and accepted by the Engineer.
8 Controlled injection test	An injection test will be conducted upon completion of each injection well. Testing will include a 12 - hour constant rate injection test. Constant rate injection testing will be run at approximately 10 feet per second (fps) for 12 hours. Non-hazardous membrane softening concentrate will be used. Groundwater elevations within each zone of the current monitoring well system nearest the injection well being tested will be measured and recorded prior to, during, and following the injection test. This data will be used to evaluate changes in water elevation resulting from the injection well operation. Background groundwater elevations will be recorded a minimum of 48 hours prior to conducting the injection test and shall continue 24 hours following the cessation of injection.

Exhibit 8
Proposed Monitoring Schedule for Injection Well IW-1R,
Existing Monitoring Well and Pad Monitoring Wells



Calculation of Potential Injection Well Radius of Influence at City of Pompano Beach Water Treatment Plant Well IW-1R

Necessary Assumptions:

Factor	Assumed Value		Comments
	Base Run	Units	
Effective Thickness of Injection Zone, D	200	ft	
Aquifer Porosity	0.2	unitless	
Flow Rate for Proposed Wells	7.39	MGD	
Injection Duration for Proposed Wells	50	yrs	
Past Injectate Volume	2,652.59	MG	Well IW-1 from Oct 2008 to Aug 2017

1. Calculate Water Volume Injected (V_w)
(= flow * duration)

Flow (mgd)	Duration (yrs)	V_w (ft ³)
-	-	18,372,757,515

2. Calculate Required Aquifer Volume (V_a)
(= water volume/porosity)

V_w (ft ³)	Porosity	V_a (ft ³)
18,372,757,515	0.2	91,863,787,575

3. Determine Aquifer Area Affected
(= Aquifer Volume/effective aquifer depth)

V_a (ft ³)	D (ft)	A_a (ft ²)
91,863,787,575	200	459,318,938

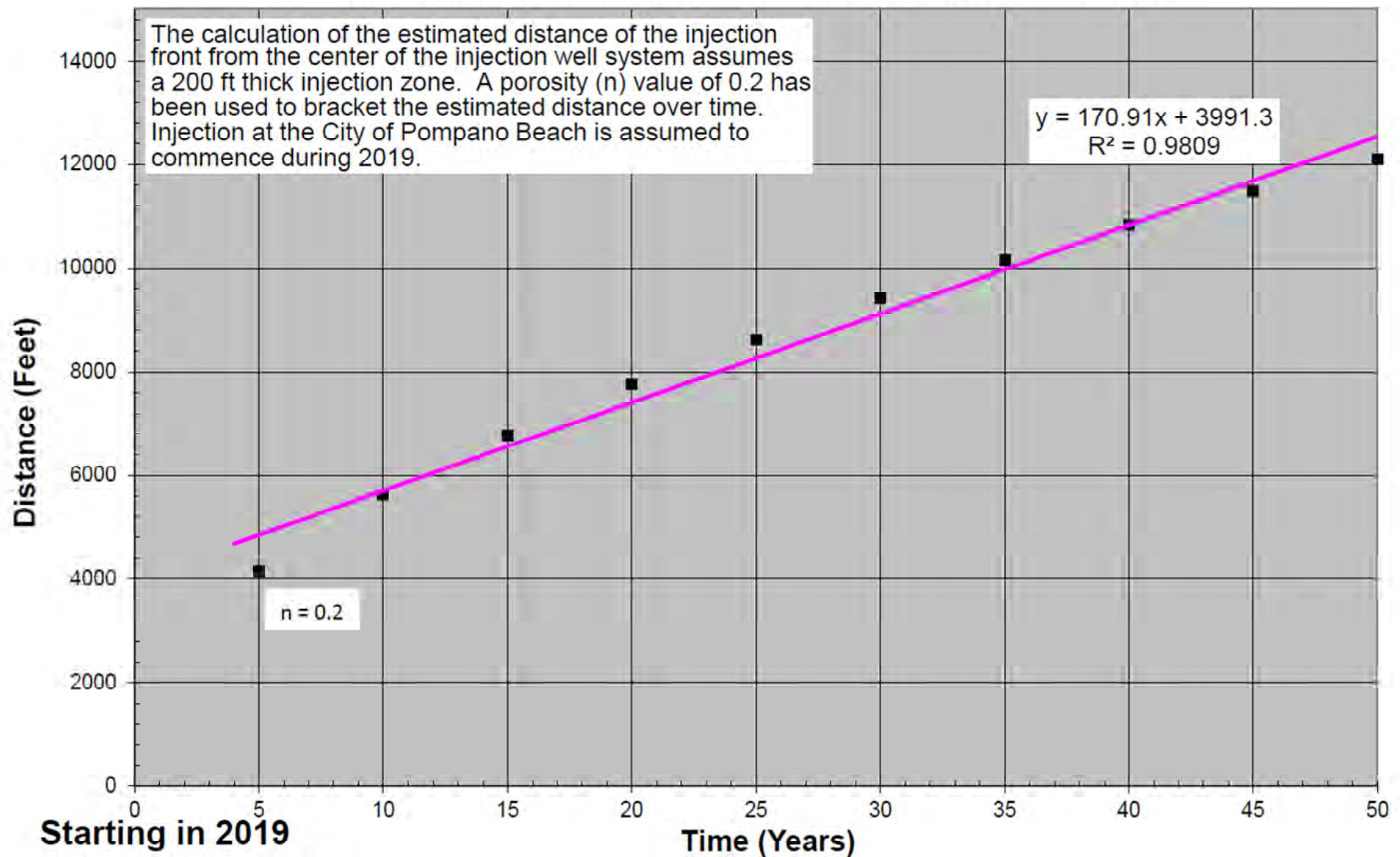
4. Determine Effective radius, R_e
[= $\sqrt{A_a/\pi}$]

A_a (ft ²)	R_e (ft)
459,318,938	12,092

Assuming the injected water flows out in a radial manner, the radius of impact
would extend

12,092	feet from the injection well in year 2069
2.29	miles from the injection well in year 2069

COPB WTP Well IW-1R Estimated Distance to Injection Front for 7.39 MGD Constant Flow and 0.2 Aquifer Porosity



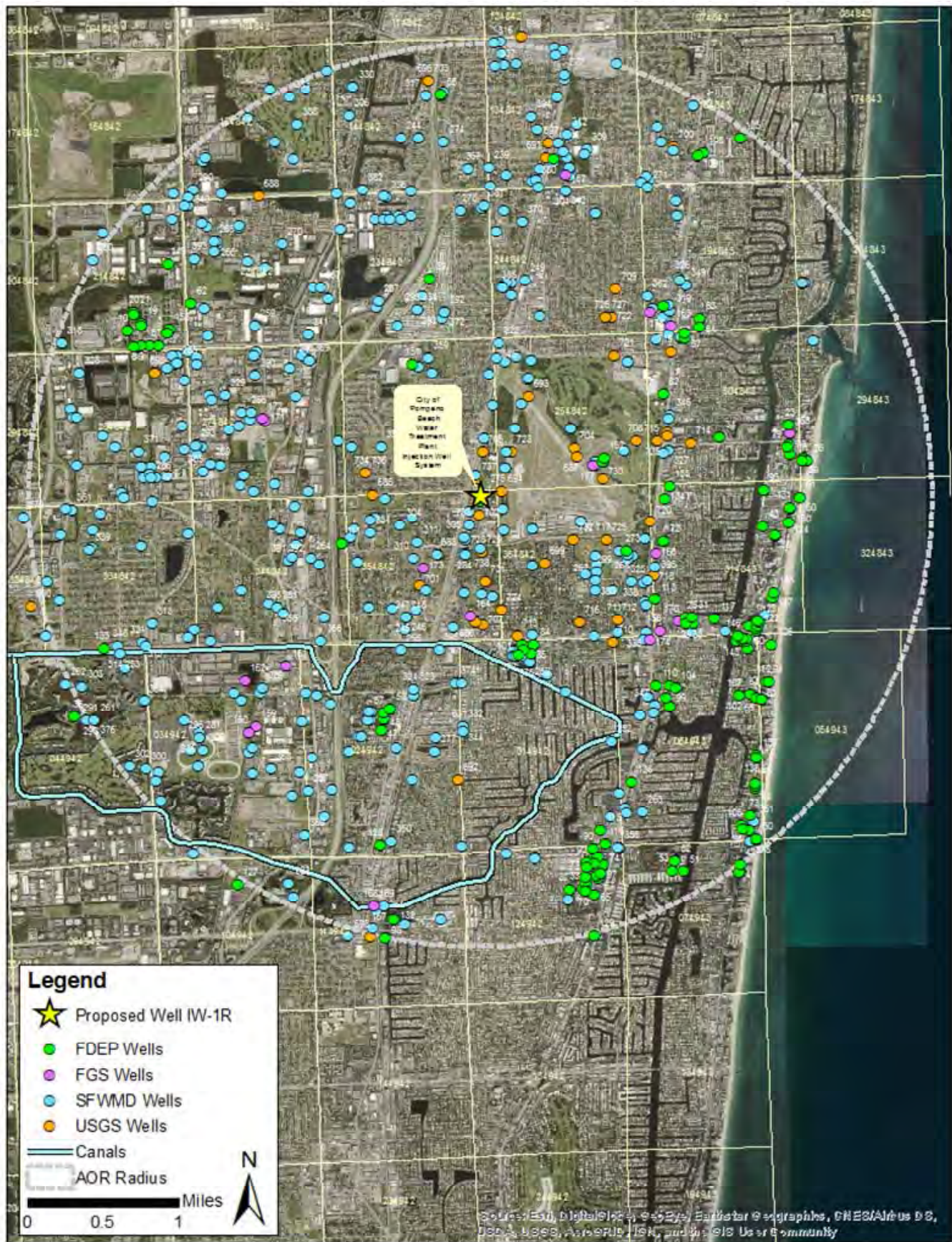


Exhibit 10
City of Pompano Beach WTP
Three-Mile AOR Location Map

Series	Stage	Stringfield (1936)		Parker and others (1955)		Stringfield (1966)		Miller (1986)		Williams and Kuniansky (2015)	
		Formation	Aquifer	Formation	Aquifer	Formation	Aquifer	Formation	Aquifer system	Formation	Aquifer system
Miocene	Middle	Hawthorn Formation		Hawthorn Formation	Where permeable	Hawthorn Formation		Hawthorn Formation		Hawthorn Group	
	Lower	Tampa Formation	Principal artesian formations	Tampa Formation	Floridan aquifer	Tampa Formation	Principal artesian aquifer	Tampa Formation	Where permeable	Tampa Fm. or equiv.	Where permeable
Oligocene		Oligocene Limestone		Suwannee Limestone		Suwannee Limestone		Suwannee Limestone	Floridan aquifer system Upper Floridan aquifer Middle confining units I-VII Lower Floridan aquifer	Suwannee Limestone	Floridan aquifer system Upper Lower ZONATION Lower permeability Higher permeability Middle confining and composite units Lower permeability Higher permeability
Eocene	Upper	Ocala Limestone		Ocala Limestone		Ocala Limestone		Ocala Limestone		Ocala Limestone	
	Middle			Avon Park Limestone		Avon Park Limestone		Avon Park Formation		Avon Park Formation	
	Lower			Lake City Limestone		Lake City Limestone		Oldsmar Formation		Oldsmar Formation	
Paleocene								Cedar Keys Formation		Cedar Keys Formation	Where permeable

Source: Williams and Kuniansky (2015)

Series		Geologic unit	Marker units and horizons	Lithology	Hydrogeologic unit		Approximate thickness (feet)
HOLOCENE and PLEISTOCENE		Undifferentiated and various Pleistocene-aged formations		Quartz sand; silt; clay; shell; limestone; sandy shelly limestone	SURFICIAL AQUIFER SYSTEM	WATER-TABLE / BISCAYNE AQUIFER	20-400
PLIOCENE		TAMIAMI FORMATION		Silt; sandy clay; sandy, shelly limestone; calcareous sandstone; and quartz sand		CONFINING BEDS LOWER TAMIAMI AQUIFER	
MIOCENE AND LATE OLIGOCENE		HAWTHORN GROUP		Interbedded sand, silt, gravel, clay, carbonate, and phosphatic sand	INTERMEDIATE AQUIFER SYSTEM OR CONFINING UNIT	CONFINING UNIT	0-900
			PEACE RIVER FORMATION			SANDSTONE AQUIFER OR PZ1(?)	
			ARCADIA FORMATION			CONFINING UNIT	
			BASAL HAWTHORN UNIT *			MID-HAWTHORN AQUIFER OR PZ2	
EARLY OLIGOCENE		SUWANNEE LIMESTONE *	LHMU	Fossiliferous, calcarenitic limestone	SYSTEM AQUIFER	CONFINING UNIT	0-300
EOCENE	LATE	OCALA LIMESTONE *		Chalky to fossiliferous, mud-rich to calcarenitic limestone		LOWER HAWTHORN PRODUCING ZONE PZ3	
	MIDDLE	AVON PARK FORMATION	MAP	Fine-grained, micritic to fossiliferous limestone; dolomitic limestone; and dolostone. Also contains in the lower part anhydrite/gypsum as bedded deposits, or more commonly as pore filling material. Glauconitic limestone near top of Oldsmar Formation in some areas		UPPER FLORIDAN AQUIFER (UF)	
	EARLY	OLDSMAR FORMATION	GLAUC			MIDDLE CONFINING UNIT (MC1)	
PALEOCENE		CEDAR KEYS FORMATION		Dolomite and dolomitic limestone	FLORIDAN AQUIFER	APPZ	0-600
				Massive anhydrite beds		MIDDLE CONFINING UNIT (MC2)	
						LOWER FLORIDAN AQUIFER	0-1,800
						BZ	
						SUB-FLORIDAN CONFINING UNIT	1,200?

EXPLANATION

- * Geologic unit(s) missing in some areas
- APPZ Avon Park permeable zone
- BZ Boulder Zone
- LHMU Lower Hawthorn marker unit
- PZ1, PZ2, PZ3 Permeable zones in west-central Florida
- MAP Middle Avon Park marker horizon
- GLAUC Glauconite marker horizon

PLEISTOCENE-AGED FORMATIONS IN SOUTHEASTERN FLORIDA:

Satilla Formation (formerly Pamlico Sand)

Miami Limestone

Fort Thompson Formation

Anastasia Formation

Key Largo Limestone

Modified from "Synthesis of the Hydrogeologic Framework of the Floridan Aquifer System and Delineation of a Major Avon Park Permeable Zone in Central and Southern Florida" ,Ronald S. Reese and Emily Richardson, USGS Scientific Investigations Report 2007-5207.

Exhibit 12
Regional Hydrostratigraphic Column

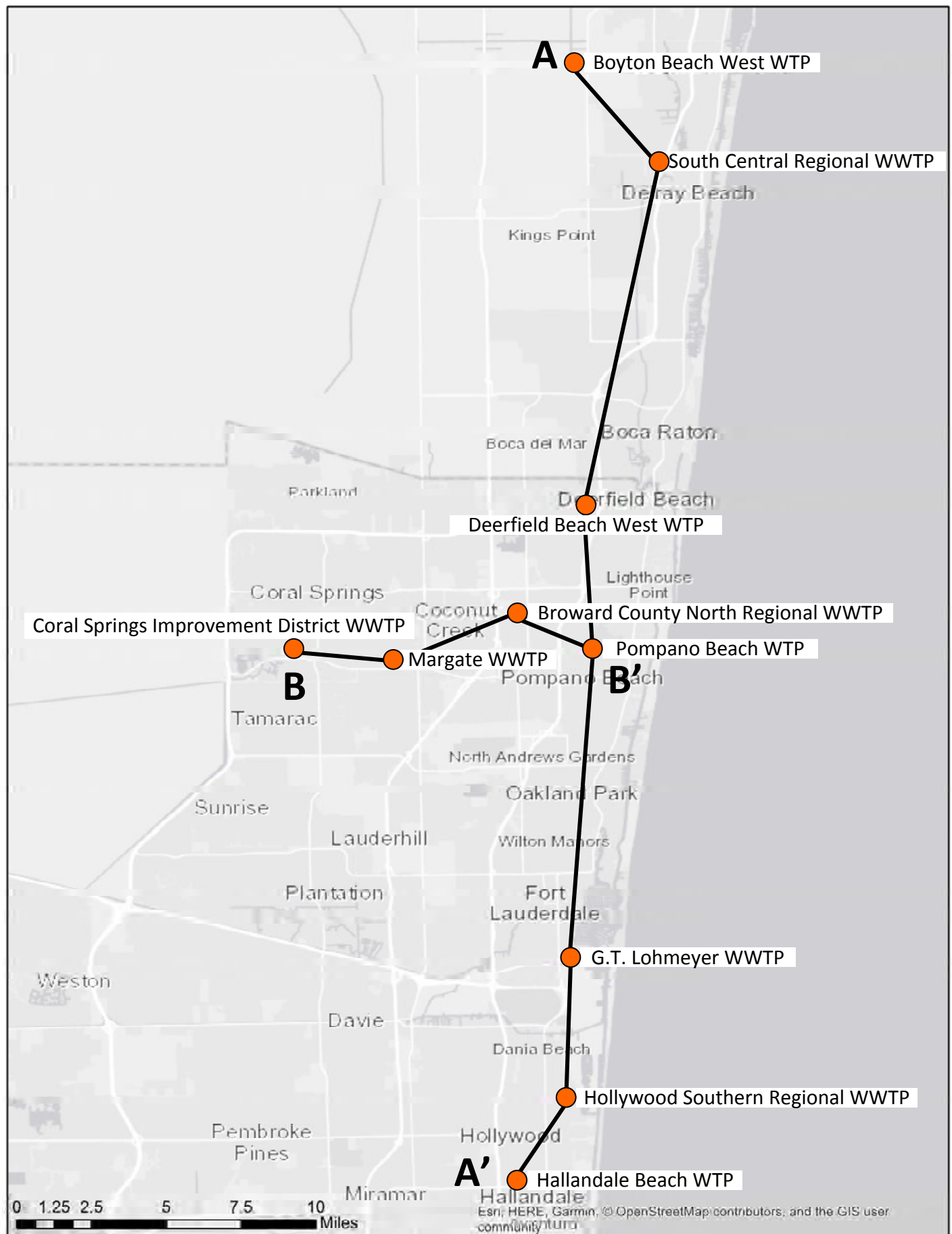


Exhibit 13A
Local Hydrogeologic Lines of Cross-Section Map

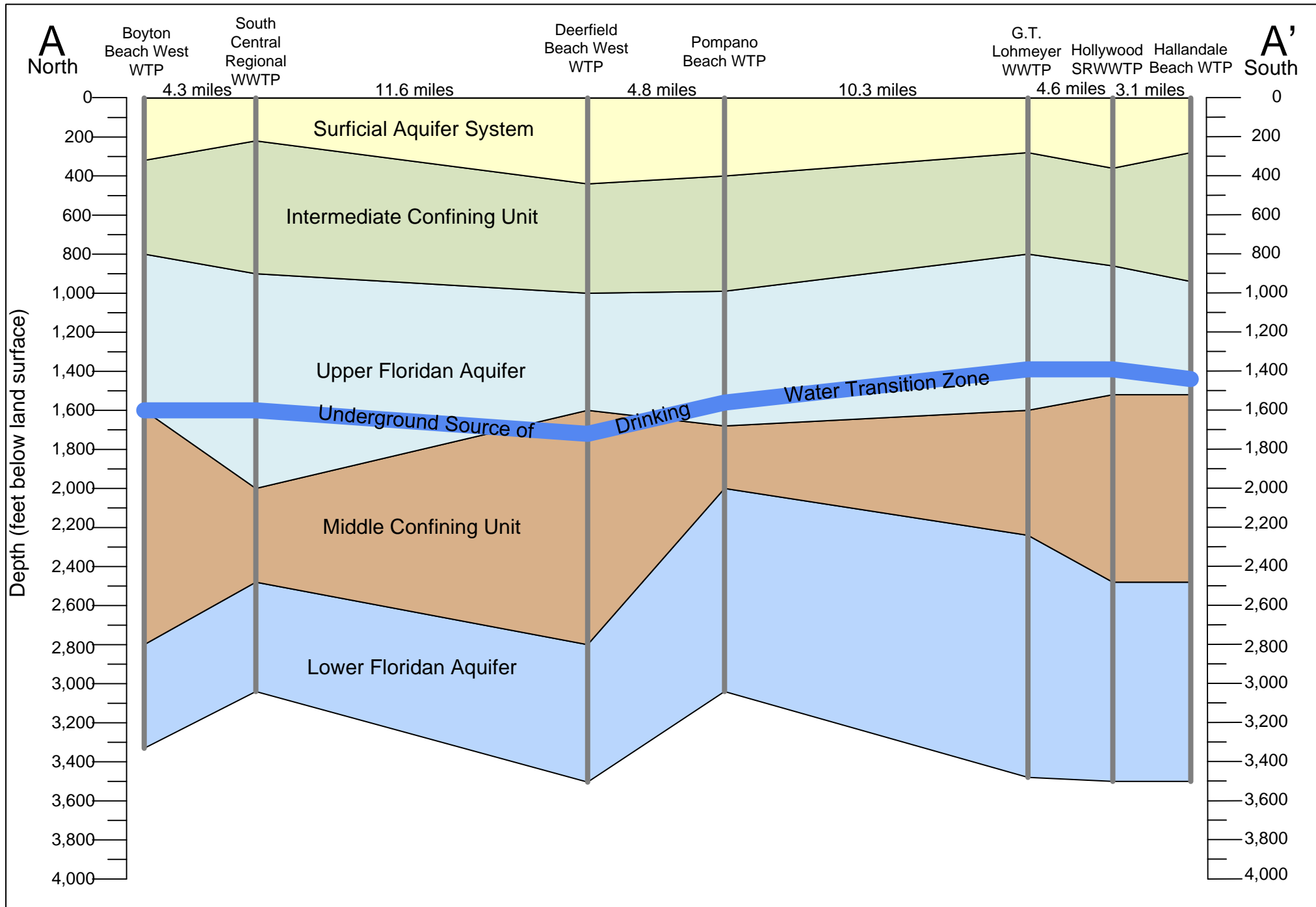


Exhibit 13B
Local Hydrogeologic Cross-Section A - A'

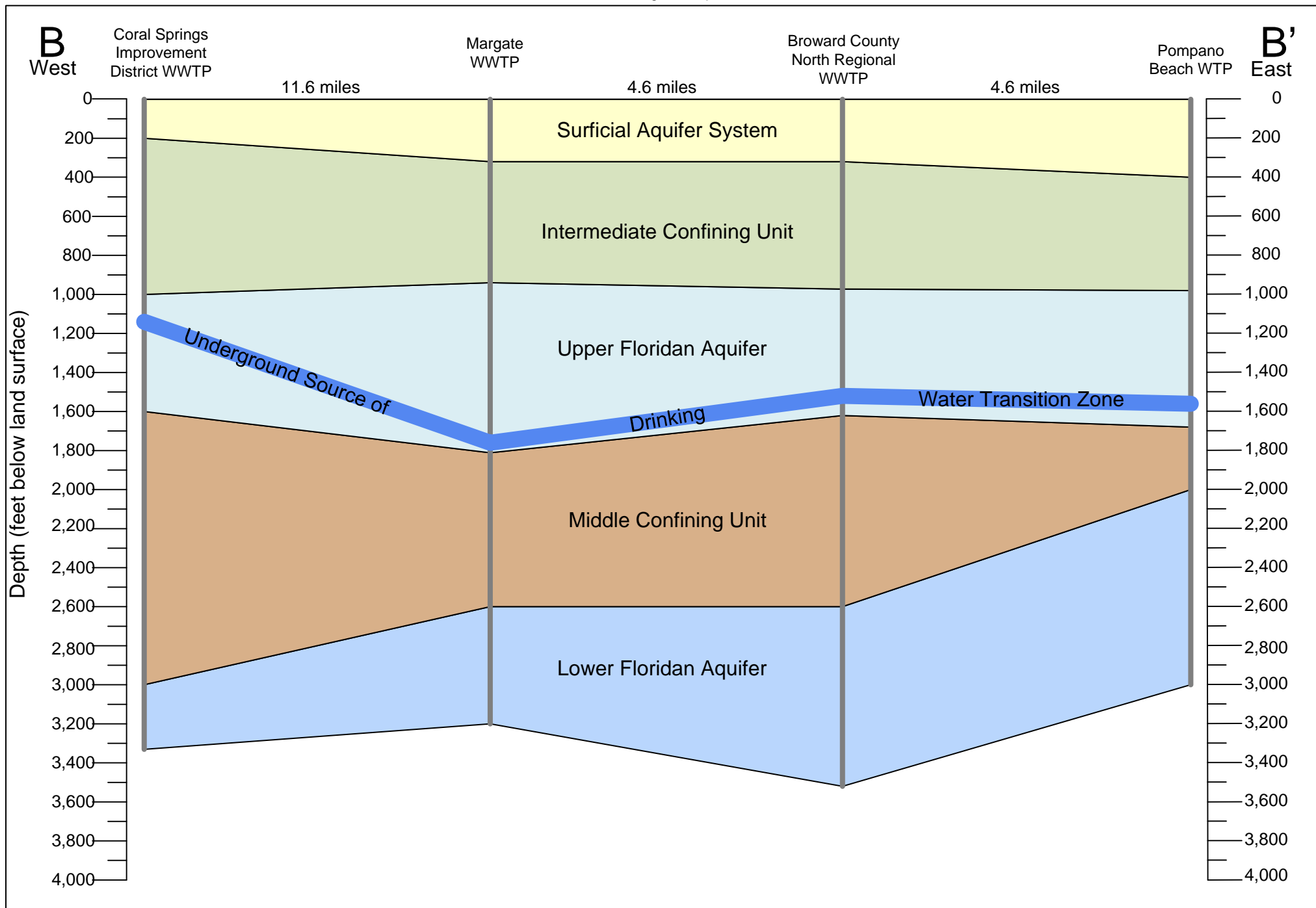
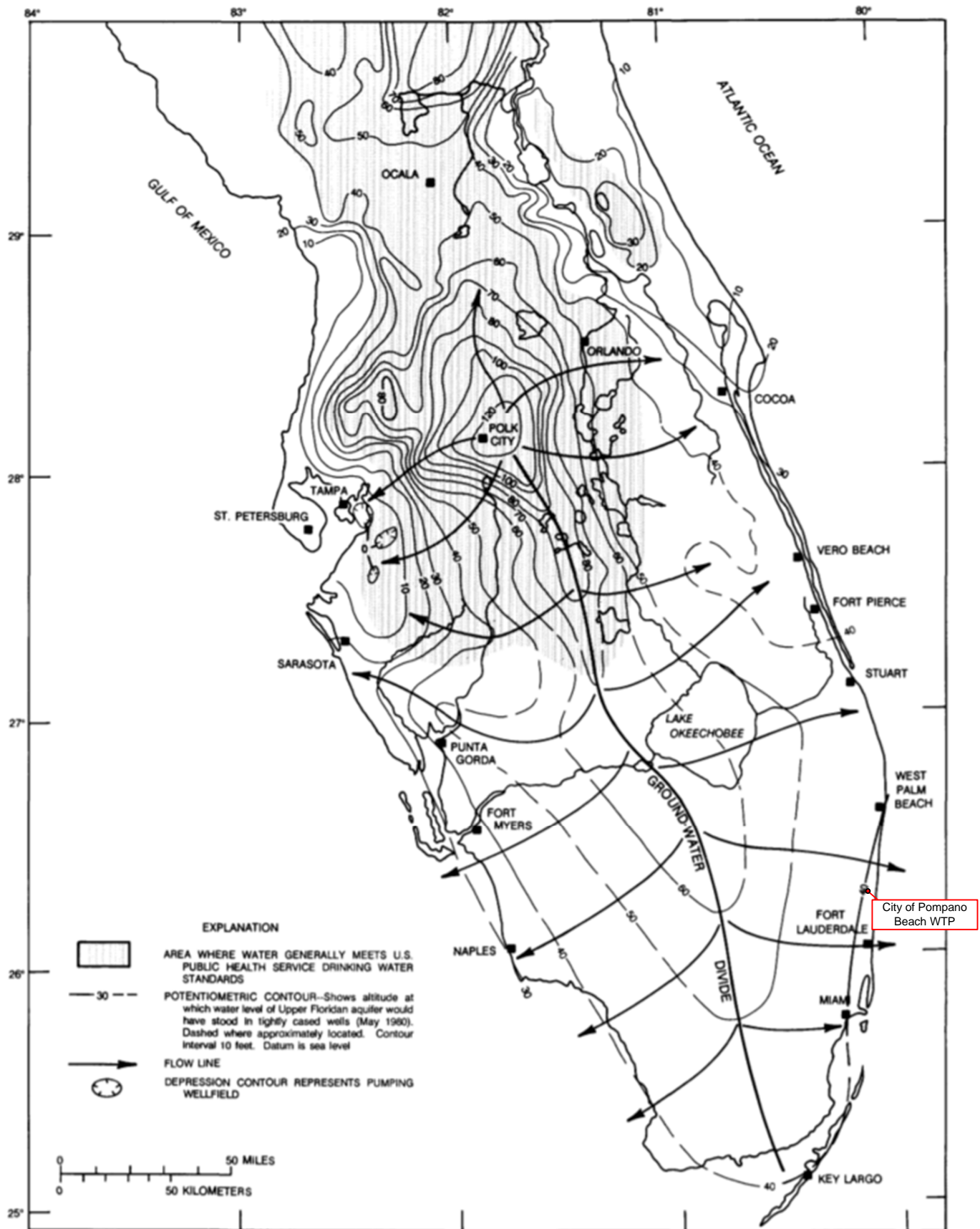


Exhibit 13B
Local Hydrogeologic Cross-Section A - A'



Source: Hydrogeology, Groundwater Movement and Subsurface Storage in the Floridan Aquifer System in Southern Florida
 U.S. Geological Survey Professional Paper 1403-G
 Frederick W. Meyer, 1989

Exhibit 14A
Potentiometric Surface Map of the UFA

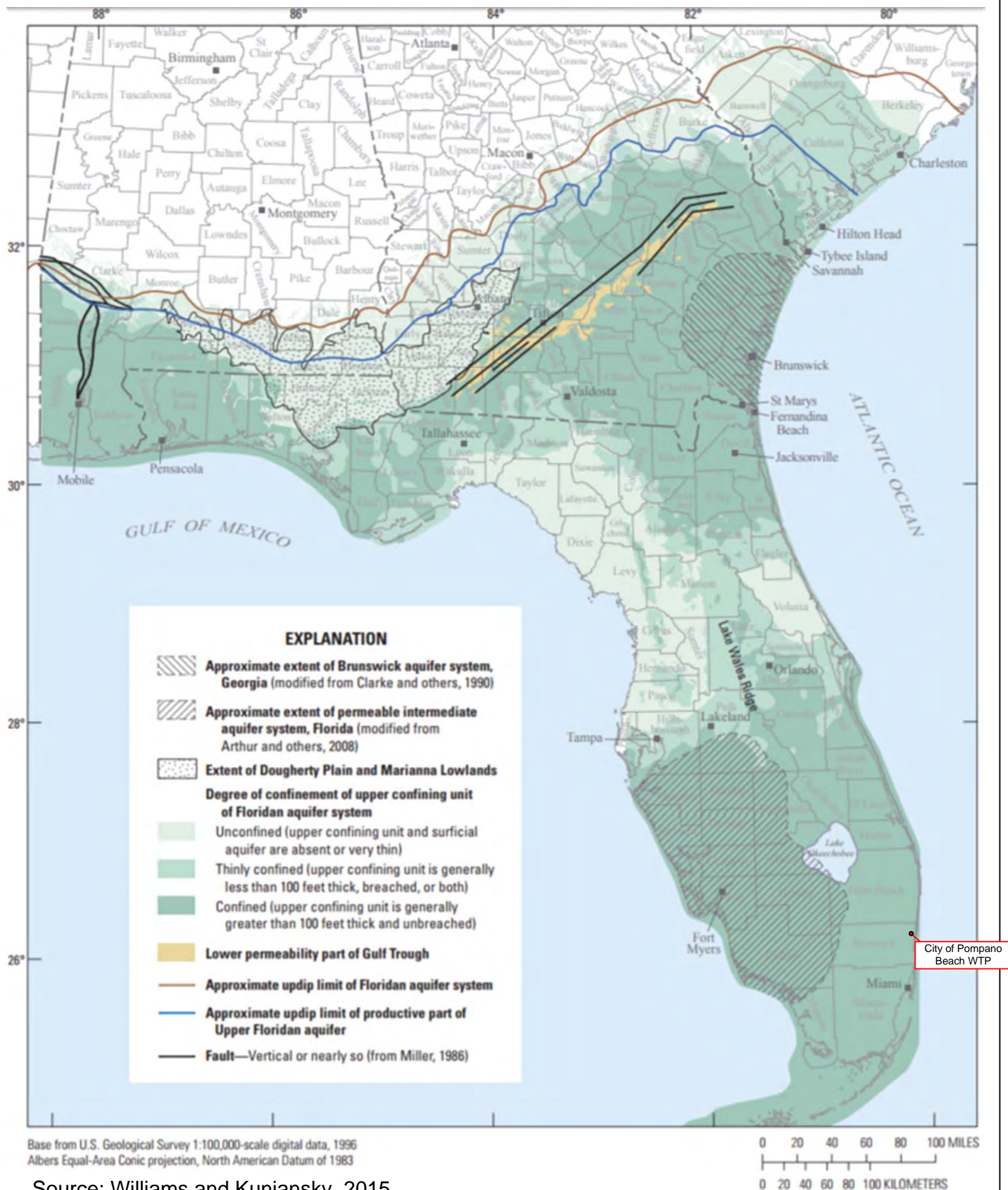
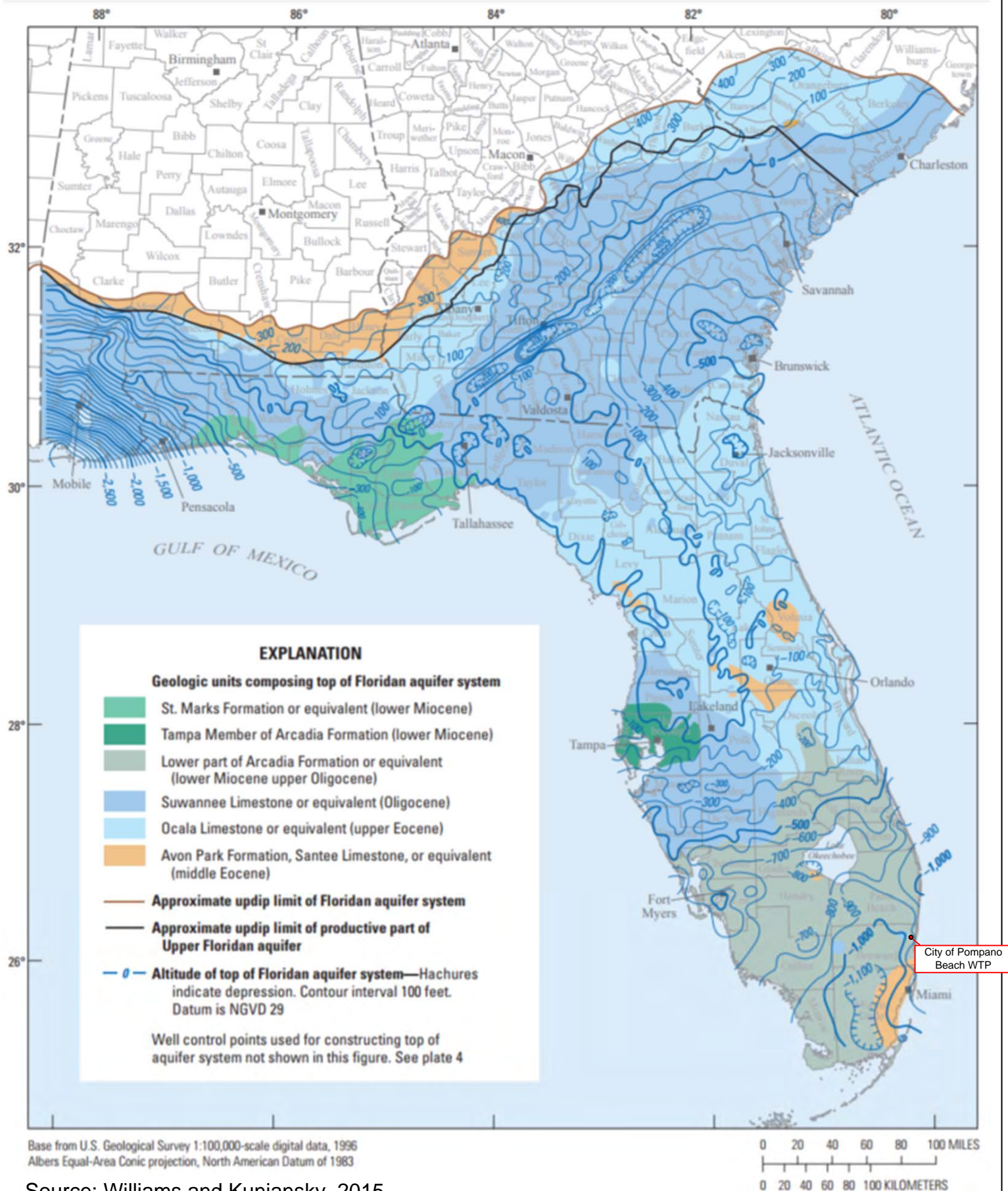


Exhibit 14B
 Thickness of the Upper Confining Unit of the FAS



Source: Williams and Kuniansky, 2015

Exhibit 14C
Elevation of the Top of the FAS

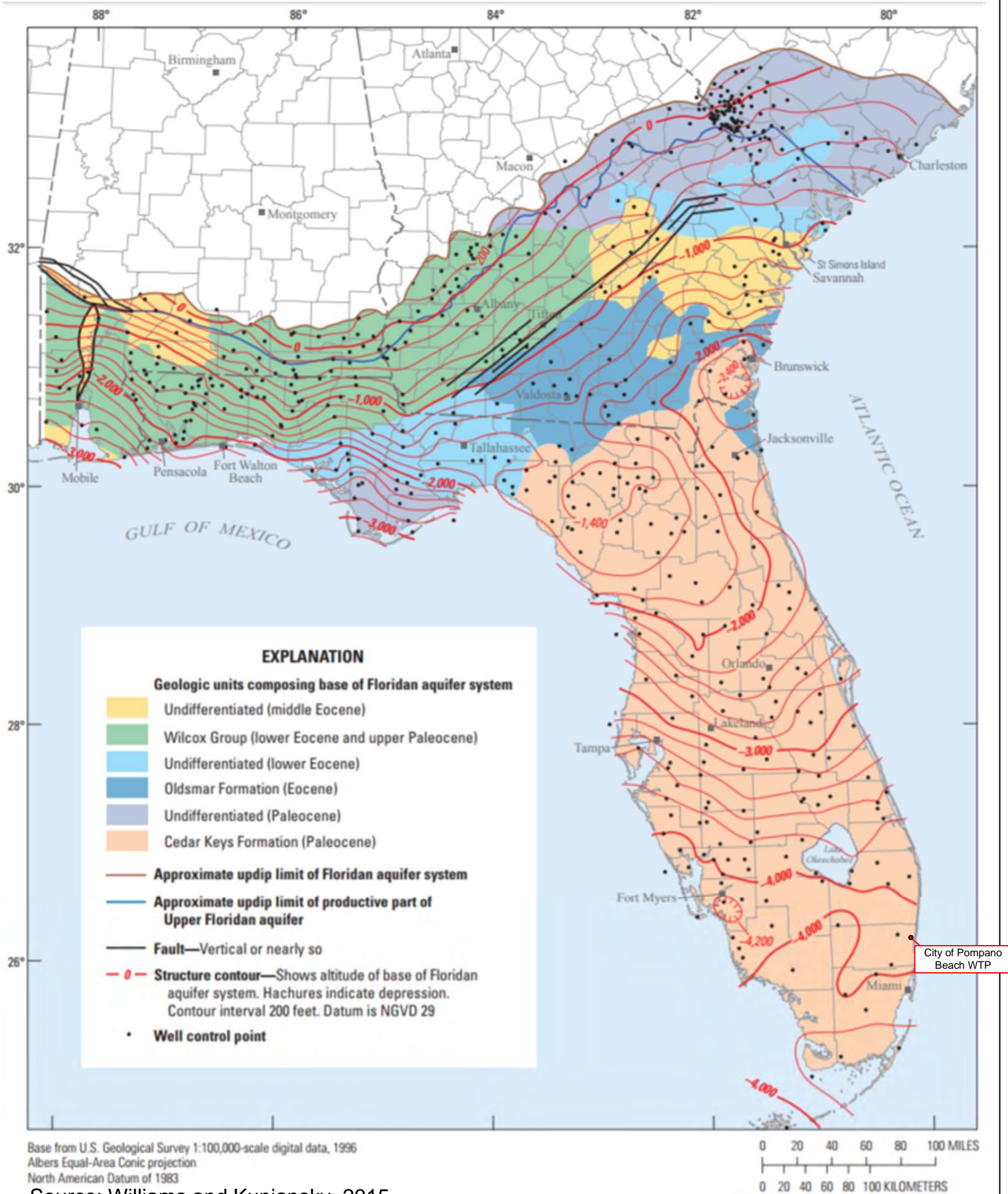


Exhibit 14D
 Elevation of the Base of the FAS

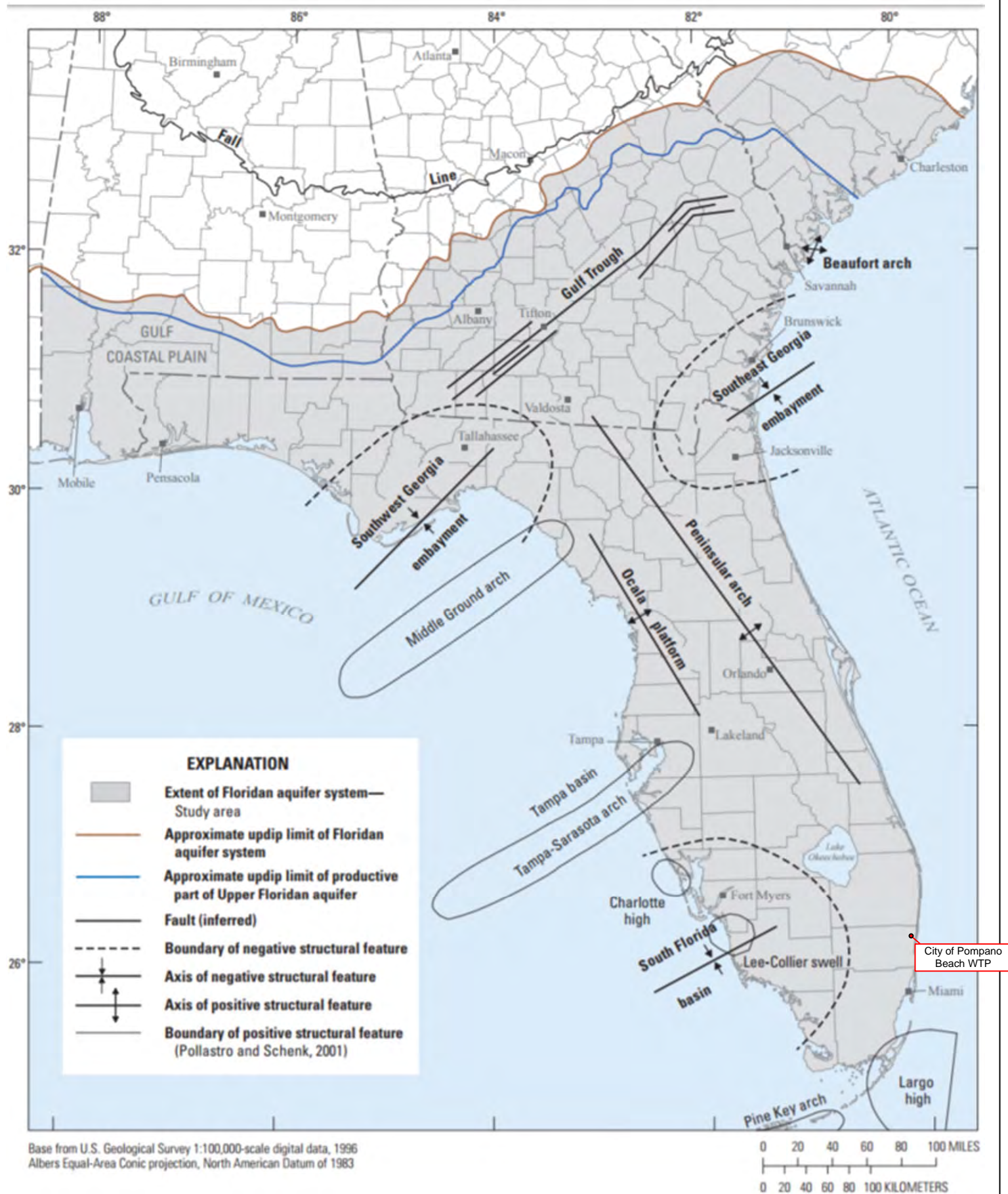


Exhibit 15
Geologic Structure Map of Florida

Geologic Map of the State of Florida - Geologic Units

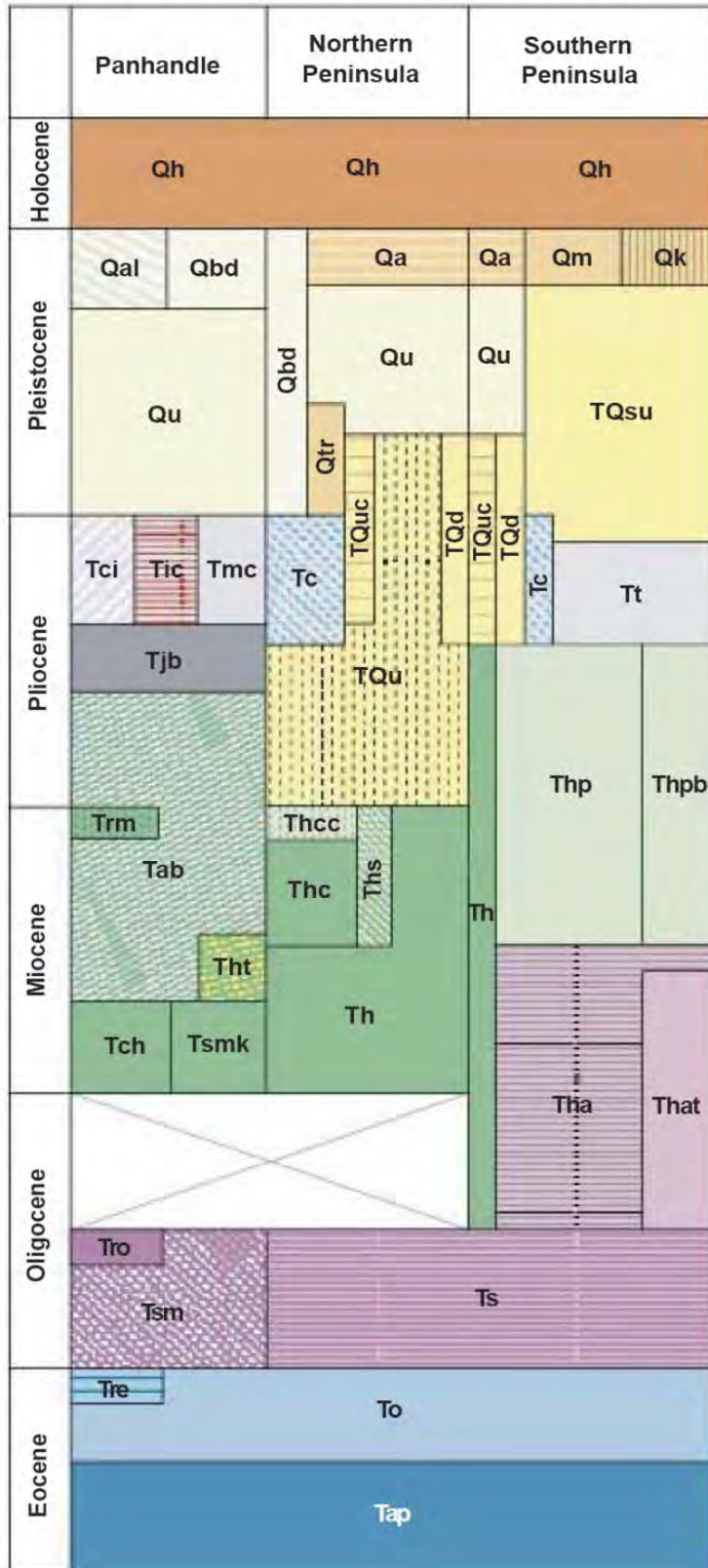
by Thomas M. Scott, P. G. #99, Kenneth M. Campbell, Frank R. Rupert, Jonathan D. Arthur,
Thomas M. Missimer, Jacqueline M. Lloyd, J. William Yon, and Joel G. Duncan



David B. Struhs, Secretary



Walter Schmidt
State Geologist and Chief



Quaternary

Holocene

Qh Holocene sediments

Pleistocene/Holocene

Qal Alluvium

Qbd Beach ridge and dune

Qu Undifferentiated sediments

Pleistocene

Qa Anastasia Formation

Qk Key Largo Limestone

Qm Miami Limestone

Qtr Trail Ridge sands

Tertiary/Quaternary

Pliocene/Pleistocene

TQsu Shelly sediments of Plio-Pleistocene age

TQu Undifferentiated sediments

TQd Dunes

TQuc Reworked Cypresshead sediments

Tertiary

Pliocene

Tc Cypresshead Formation

Tci Citronelle Formation

Tmc Miccosukee Formation

Tic Intracoastal Formation

Tt Tamiami Formation

Tjb Jackson Bluff Formation

Miocene/Pliocene

Thcc Hawthorn Group, Coosawhatchie Formation, Charlton Member

Thp Hawthorn Group, Peace River Formation

Thpb Hawthorn Group, Peace River Formation, Bone Valley Member

Miocene

Trm Residuum on Miocene sediments

Tab Alum Bluff Group

Th Hawthorn Group

Thc Hawthorn Group, Coosawhatchie Formation

Ths Hawthorn Group, Statenville Formation

Tht Hawthorn Group, Torreya Formation

Tch Chatahoochee Formation

Tsmk St. Marks Formation

Oligocene/Miocene

Tha Hawthorn Group, Arcadia Formation

That Hawthorn Group, Arcadia Formation, Tampa Member

Oligocene

Tro Residuum on Oligocene sediments

Ts Suwannee Limestone

Tsm Suwannee Limestone - Marianna Limestone undifferentiated

Eocene

Tre Residuum on Eocene sediments

To Ocala Limestone

Tap Avon Park Formation

SOFIA - <http://sofia.usgs.gov>

Geologic Map of the State of Florida - Southern Peninsula

by Thomas M. Scott, P. G. #99, Kenneth M. Campbell, Frank R. Rupert, Jonathan D. Arthur,
Thomas M. Missimer, Jacqueline M. Lloyd, J. William Yon, and Joel G. Duncan

Quaternary

Holocene

Qh Holocene sediments

Pleistocene/Holocene

Qal Alluvium
Qbd Beach ridge and dune
Qu Undifferentiated sediments

Pleistocene

Qa Anastasia Formation
Qk Key Largo Limestone
Qm Miami Limestone
Qtr Trail Ridge sands

Tertiary/Quaternary

Pliocene/Pleistocene

TQsu Shelly sediments of Plio-Pleistocene age
TQu Undifferentiated sediments
TQd Dunes
TQuc Reworked Cypresshead sediments

Tertiary

Pliocene

Tc Cypresshead Formation
Tci Citronelle Formation
Tmc Miccosukee Formation
Tic Intracoastal Formation
Tt Tamiami Formation
Tjb Jackson Bluff Formation

Miocene/Pliocene

Thcc Hawthorn Group, Coosawatchie Formation, Charlton Member
Thp Hawthorn Group, Peace River Formation
Thpb Hawthorn Group, Peace River Formation, Bone Valley Member

Miocene

Trm Residuum on Miocene sediments
Tab Alum Bluff Group
Th Hawthorn Group
Thc Hawthorn Group, Coosawatchie Formation
Ths Hawthorn Group, Statenville Formation
Tht Hawthorn Group, Torreya Formation
Tch Chatahoochee Formation
Tsmk St. Marks Formation

Oligocene/Miocene

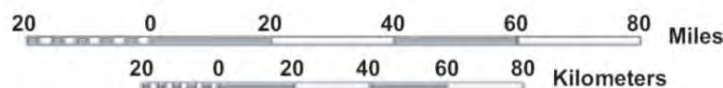
Tha Hawthorn Group, Arcadia Formation
That Hawthorn Group, Arcadia Formation, Tampa Member

Oligocene

Tro Residuum on Oligocene sediments
Ts Suwannee Limestone
Tsm Suwannee Limestone - Marianna Limestone undifferentiated

Eocene

Tre Residuum on Eocene sediments
To Ocala Limestone
Tap Avon Park Formation



Scale 1:750,000
Albers Conic Equal-Area Projection

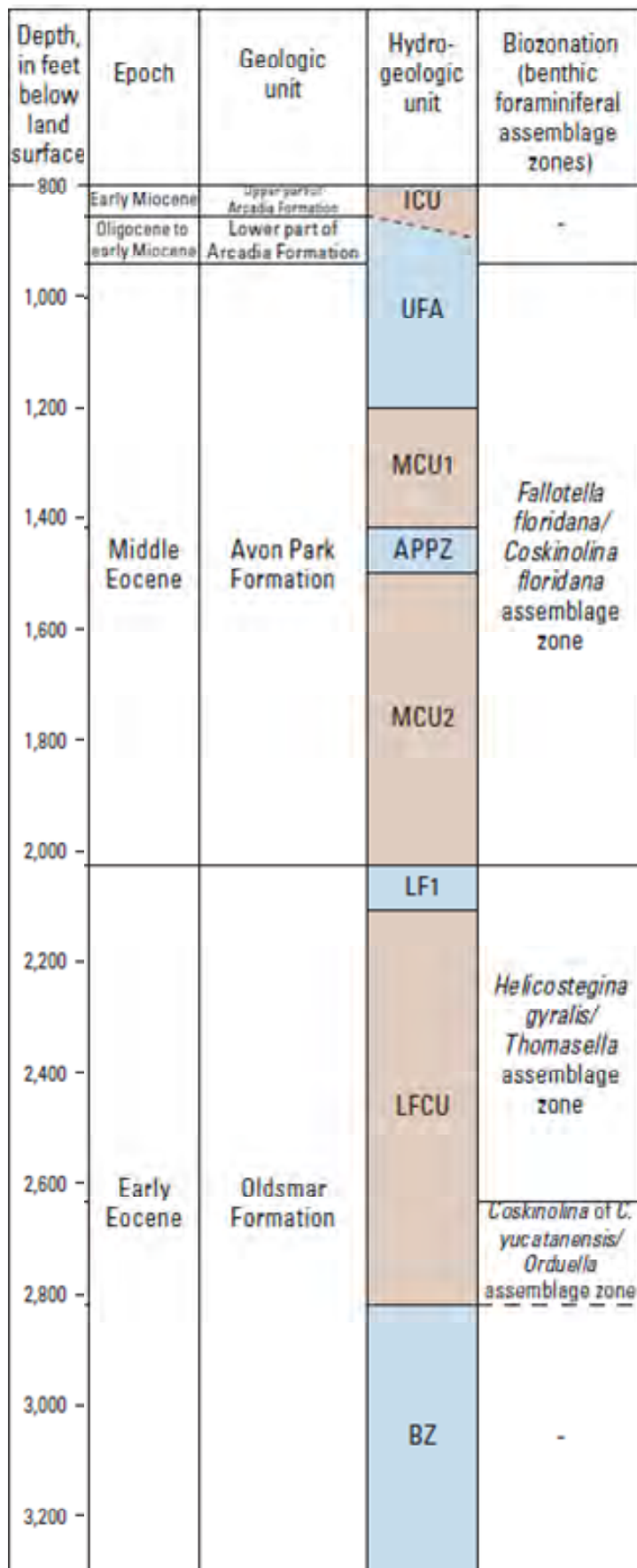
SOFIA - <http://sofia.usgs.gov>



David B. Struhs, Secretary

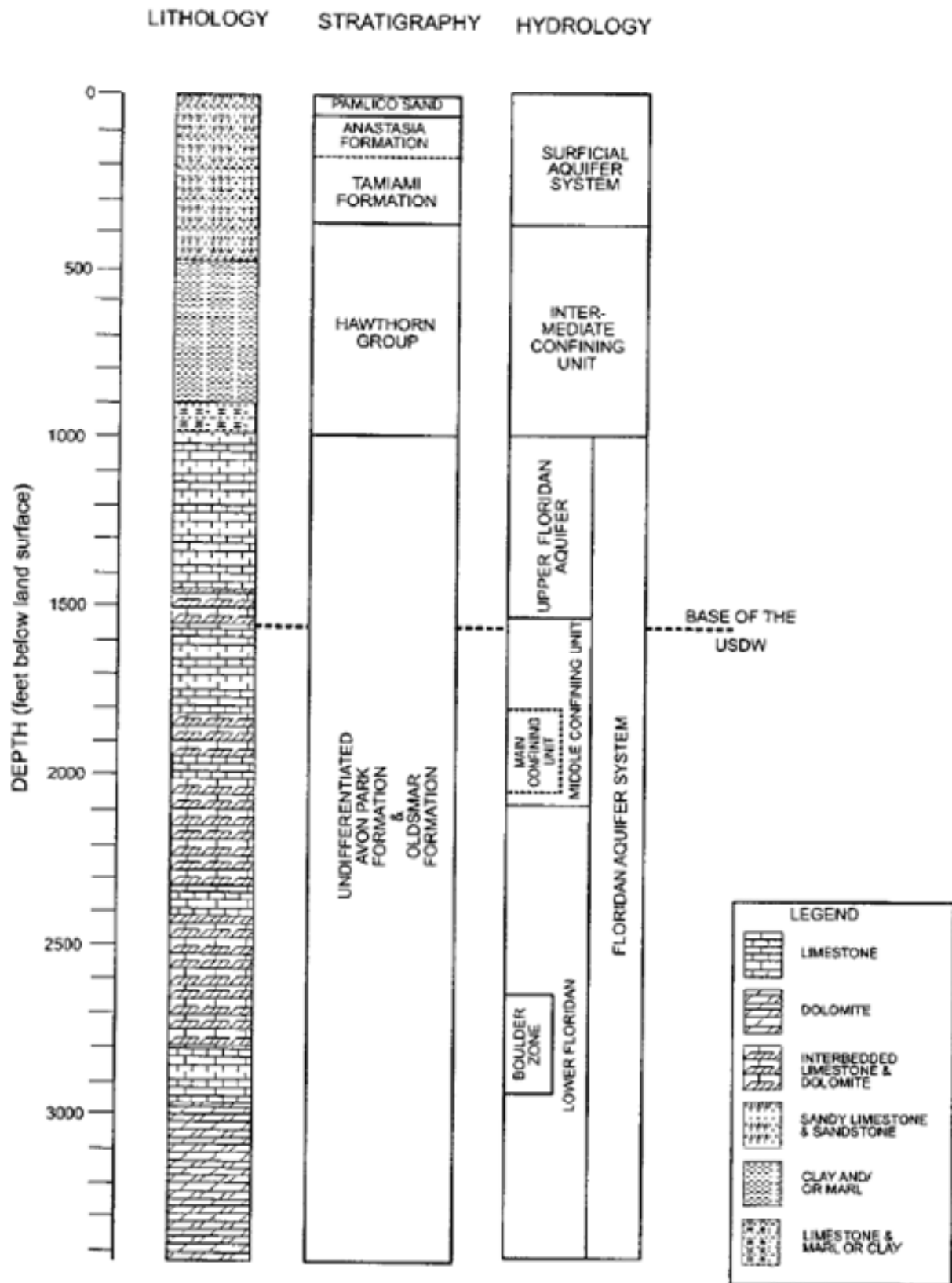


Walter Schmidt
State Geologist and Chief



Modified from
Cunningham and
others (2017)

Exhibit 17A
Hydrogeologic Units and Geologic Unit in Eastern
Broward County and Northeastern Miami Dade County



Source: CDM, 2009 Class I Well Operation Repermitting for City of Pompano Beach IW-1

Exhibit 17B

Hydrostratigraphic Column for City of Pompano Beach
WTP Site



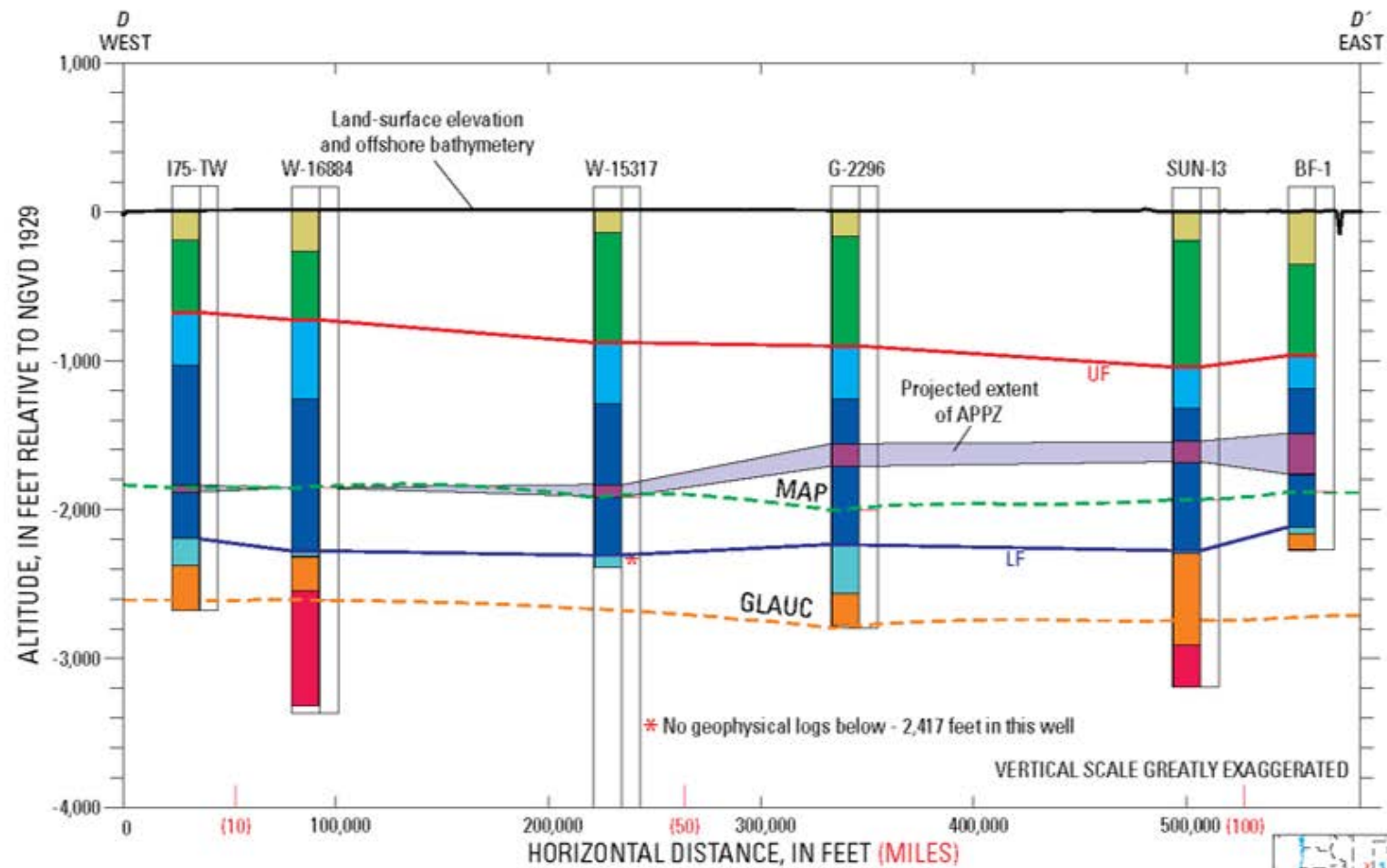
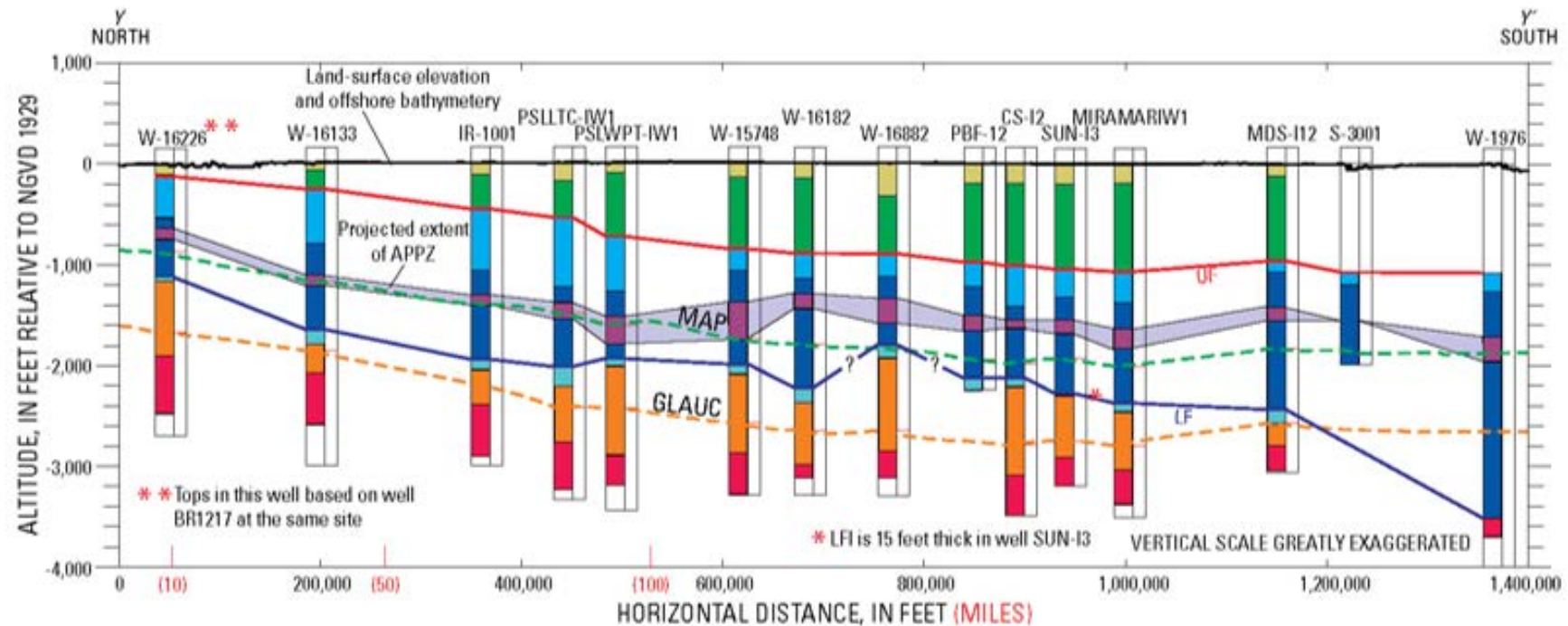


Exhibit 18A
Regional Hydrostratigraphic Cross-Section D - D'



EXPLANATION

HYDROGEOLOGIC UNIT

- | | |
|---|--|
| SURFICIAL AQUIFER SYSTEM | LOWER FLORIDAN AQUIFER—First permeable zone (LFI) |
| INTERMEDIATE AQUIFER SYSTEM OR CONFINING UNIT | LOWER FLORIDAN AQUIFER—Includes a confining unit or confining units and permeable zones |
| UPPER FLORIDAN AQUIFER | BOULDER ZONE |
| MIDDLE CONFINING UNIT (MC1, MC2) | NOT DETERMINED OR BELOW BASE OF BOULDER ZONE IN THE LOWER FLORIDAN AQUIFER—May also include part of the confining unit below the base of the Floridan aquifer system |
| AVON PARK PERMEABLE ZONE (APPZ) | |

- | | |
|--|---|
| | DEPTH OF SURFACE DETERMINED IN WELL |
| | TOP OF THE LOWER FLORIDAN AQUIFER |
| | TOP OF THE FLORIDAN AQUIFER SYSTEM |
| | Position of LFI in well W-16882 is uncertain. LFI could be deeper |
| | MIDDLE AVON PARK MARKER HORIZON—Based on interpolated surface |
| | GLAUCONITE MARKER HORIZON—Based on interpolated surface |



Exhibit 18B
Regional Hydrostratigraphic Cross-Section Y - Y'

Exhibit 19
Well IW-1R Summary of Testing
City of Pompano Beach Water Treatment Plant, Pompano Beach, Florida

No.	Activity	Mech. Deviation Surveys		Drill Stem Testing and Reverse-Air Samples and Analyses		Geophysical Logging	Rock Cores	Straddle Packer APTs	Injection Test	Mech. Integrity Testing
			Litho Log							
1	64" Pit Casing	--	--	--	--		--	--	--	--
2	12" Pilot Hole to 131'	±60' interval	10' Sample Interval	--	CAL, DIL, SP, NGR, ABI		--	--	--	--
3	Pilot Hole Back Plug ±1,100' to ±1,000'	--	--	--	--		--	--	--	--
4	Nom. 64" Reamed Hole to ±131'	±60' interval	--	--	CAL, NGR		--	--	--	--
5	54" Casing to ±121'	--	--	--	--		--	--	--	--
6	12" Pilot Hole to 1,030'	±60' interval	10' Sample Interval	--	CAL, DIL, SP, NGR, BHCS with VDL, ABI		--	--	--	--
7	Pilot Hole Back Plug ±1,030' to ±121'	--	--	--	--		--	--	--	--
8	Nom. 54" Reamed Hole to ±1,030'	±60' interval	--	--	CAL, NGR		--	--	--	--
9	44" Casing to ±1,020'	--	--	--	Each Stage ¹ : TEMP, NGR		--	--	--	--
10	12" Pilot Hole to ±2,035'	±60' interval	10' Sample Interval	±30' interval	Static Logs: CAL, DIL, SP, NGR, BHCS with VDL, ABI or OBI, TEMP, FR, FM Dynamic Logs: TEMP, FR, FM, FMI, BHTV	Up to two (2) ±1,030' to ±2,035'	Up to three (3) ±1,030' to ±2,035'	--	--	--
11	Pilot Hole Back Plug ±2,035' to ±1,020'	--	--	--	--		--	--	--	--
12	Nom. 44" Reamed Hole to ±2,035'	±60' interval	--	--	CAL, NGR		--	--	--	--
13	34" Casing to ±2,025'	--	--	--	Each Stage ¹ : TEMP, NGR		--	--	--	--
14	12" Pilot Hole to ±2,900'	±60' interval	10' Sample Interval	±30' interval	Static Logs: CAL, DIL, BHCS with VDL, SP, NGR, ABI or OBI, TEMP, FR, FM, BHTV Dynamic Logs ² : TEMP, FR, FM, FMI, TV	Up to six (6) ±2,035'to ±2,900'	Up to three (3) ±2,035'to ±2,900'	--	--	--
15	Pilot Hole Back Plug ±2,900' to ±2,025'	--	--	--	--		--	--	--	--
16	Nom. 34" Reamed Hole to ±2,300'	±60' interval	--	--	CAL, NGR		--	--	--	--
17	24" Casing to ±2,290'	--	--	--	Each stage ¹ : TEMP, NGR, one CBL to 300 feet bls and one final CBL to land surface		--	--	--	Casing Pressure Test (150 psi)
18	12" Pilot Hole to ±2,900'	±60' interval	10' Sample Interval	±30' interval	Static Logs: CAL, DIL, BHCS with VDL, SP, NGR, ABI or OBI, TEMP, FR, FM, BHTV Dynamic Logs: TEMP, FR, FM, FMI, TV	Six (6) Cores ±2,150' to ±4,000'	Four (4) ±2,150'to ±4,000'	--	--	--
19	Pilot Hole Back Plug to ±2,900' (gravel as needed) to ±2,290'	--	--	--	--		--	--	--	--
20	Nom. 24" Reamed Hole to ±2,900'	±60' interval	--	--	CAL, NGR		--	--	--	--

Exhibit 19 (Continued)

Well IW-1R Summary of Testing

City of Pompano Beach Water Treatment Plant, Pompano Beach, Florida

No.	Activity	Mech. Deviation Surveys	Litho Log	Reverse-Air Samples and Analyses	Geophysical Logging	Rock Cores	Straddle Packer APTs	Injection Test	Mech. Integrity Testing
21	16" FRP injection tubing to ±2,285'	--	--	Background Injection Zone Water Sample ³	Each stage ¹ : TEMP, NGR, one CBL to 300 feet bls and one final CBL to land surface	--	--	12-hour short term injection test	Casing Pressure Test (150 psi) RTS, HRT, NGR

Notes:

- 1– Cement top confirmation by TEMP and NGR logging will be conducted within casing
- 2– Dynamic logging will be conducted through a single-element packer set at ±1,650 feet and pumped at about 500 gpm.
- 3- Injection zone water sample will be collected following dynamic geophysical logging (minimum 180,000 gallons purged).
- 4- Step injection test will be approximately 4 hours in duration; injection rates will be approximately 3,450 gpm, 6,900, gpm, 10,350 gpm and 12,500 gpm; water source is treated municipal wastewater effluent.
- 5- The constant rate injection test will be conducted at 12,500 gpm for 12 hours; injection testing will precede the RTS; water source is potable freshwater.
- 6- Injection testing and radioactive tracer survey will be conducted following re-permitting the well for Class I Industrial operation.
- 7- Pressure test will be conducted using downhole packer set near the base of the casing.

Geophysical Logging Legend:

- CAL

TEMP

NGR

FR

FM

TV

RTS

– Caliper

– Temperature

– Natural Gamma Ray

– Fluid Resistivity

– Flowmeter

– Color Video Survey

-Radioactive Tracer Survey
- DIL

BHCS

CBL

SP

HRT

BHTV

FMI

– Dual Induction

– Borehole compensated sonic with variable density display

– Cement Bond Log

– Spontaneous Potential

– High Resolution Temperature

– Borehole Televiewer

– Flow Meter Interpretation

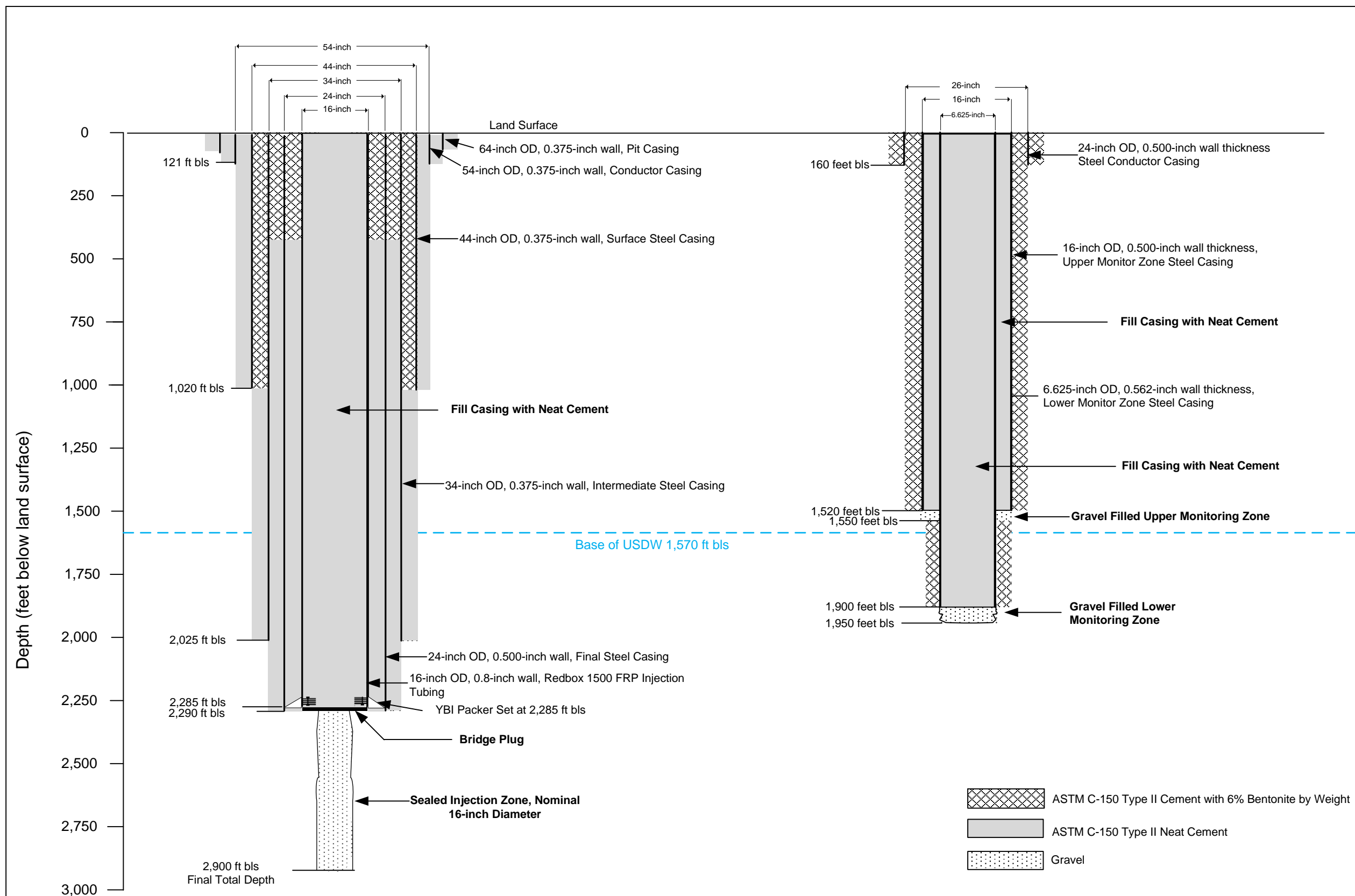


Exhibit 20B
City of Pompano Beach WTP
Injection Well IW-1R and Dual Zone Monitoring Well DZMW-1 Schematic Well Abandonment Details

Exhibit B
General Conditions

ARTICLE 1. DEFINITIONS.

- 1.01 **The Contract Documents:** The Contract Documents consist of the Agreement Form, Addenda, Supplementary Conditions, General Conditions, Documents contained in the Project Manual, Drawings, Plans, Specifications, and all modifications issued after execution of the Contract.
- 1.02 **The Owner, the Contractor, and the Project Consultant:** are those mentioned as such in the Contract Documents.
- 1.02.01 **Owner:** The City of Pompano Beach, Florida, (also referred to as the "City").
- 1.02.02 **Contractor:** The "party of the second part" to the Contract. The person, firm or corporation with whom a contract has been made with the Owner for the performance of the Work defined by the Contract Documents.
- 1.02.03 **Project Consultant:** The individual, partnership, corporation, association, joint venture, or any combination thereof, of properly registered professional architects, engineers or other design professionals who has entered into a contract with the Owner to provide professional services for development of the design and Contract Documents for the Work of this Project and provide Construction Contract Administration as described in the Contract Documents.
- 1.03 **City Engineer:** City Engineer of the City of Pompano Beach, Florida.
- 1.04 **Final Completion:** Means that date subsequent to the date of Substantial Completion at which time the Contractor has completed all of the Work (or designated portion thereof) in accordance with the Contract Documents as certified by the Project Consultant and/or approved by the Owner. In addition, Final Completion shall not be deemed to have occurred until any and all governmental bodies, boards, entities, etc., which regulate or have jurisdiction of the Work, have inspected, approved and certified the Work.
- 1.06 **Inspector:** An employee(s) of The City of Pompano Beach, Florida, referred to hereinafter as the "Inspector," who(m) is/are assigned by the City Engineer to periodically inspect the Project during the construction process, and who assist(s) the City Engineer in reviewing field performance and its compliance with the Contract Documents.
- 1.06.01 **Resident Inspector:** An employee or subconsultant of the **Project Consultant** employed to perform either periodic or full-time specific inspection duties.
- 1.07 **Other Contractors:** Any person, firm or corporation with whom a Contract has been made by the Owner for the performance of any work on the site, which work is not a portion of the Work covered by the Contract.
- 1.08 **Owner's Representative:** The City Official who has been delegated responsibility by the City Manager to act as the City's project coordinator. (In most cases, the City Engineer shall be assigned this duty.)
- 1.09 **Phase:** A designated subdivision of the Work, usually with its own requirements for Substantial and Final Completion, and liquidated damages. A Phase may be designated for completion by the Owner's own forces, or by Other Contractors.
- 1.10 **The Project:** The total construction of which the Work performed under the Contract Documents may be the whole or a part and which may include construction by the Owner or by separate contractors.

- 1.11 **Punch List:** A list of items of work required to render complete, satisfactory, and acceptable the construction services provided for in the Contract Documents and created pursuant to Florida Statute 218.735(7)(a).
- 1.12 **Subcontractor:** A person or entity other than a materialman or laborer who enters into a Contract with Contractor for the performance of any part of Contractor's Work. The term "Subcontractor" is referred to throughout the Contract Documents as if singular in number and means a Subcontractor or an authorized representative of the Subcontractor. The term "Subcontractor" does not include a separate contractor or subcontractors of a separate contractor.
- 1.13 **Sub-subcontractor:** A person or entity other than a materialman or laborer who enters into a contract with a Subcontractor for the performance of any part of such Subcontractor's contract. The term "Sub-subcontractor" is referred to throughout the Contract Documents as if singular in number and means a Sub-subcontractor or an authorized representative of the Sub-subcontractor. The term "Sub-subcontractor" does not include separate subcontractors of a separate contractor.
- 1.14 **Submittals:** Are prepared by the Contractor or those working on his behalf (subcontractors, material suppliers, and others) to show how a particular aspect of the Work is to be fabricated and installed. The Contractor's submittals include shop drawings, product data, samples, mock-ups, test results, warranties, maintenance agreements, workmanship bonds, project photographs, record documents, field measurement data, operating and maintenance manuals, reports, certifications, periodic and final "as-builts", surveys, videos and other types of information described in the specifications.
- 1.15 **Substantial Completion:** The term Substantial Completion as used herein, shall mean that point at which, as certified in writing by the Project Consultant, the Work, or a designated portion thereof, is at a level of completion in substantial compliance with the Contract Documents such that the Owner or its designee can enjoy use or occupancy and can use or operate it in all respects for its intended purpose. In the event the Work includes more than one Phase, the Owner, at its discretion, may set Substantial Completion dates for each Phase and may impose provisions for liquidated damages for each Phase.
- 1.16 **Subconsultant:** A person or organization of properly registered professional architects, engineers or other design professionals who has entered an agreement with the Project Consultant to furnish professional services in support of the Project Consultants agreement with the Owner.
- 1.17 **Superintendent:** The executive representative for the Contractor present on the work at all times during progress, authorized to receive and fulfill instructions from the Owner and the Project Consultant and capable of superintending the work efficiently.
- 1.18 **Work:** The totality of the obligations, including construction and other services, imposed on the Contractor by the Contract Documents, whether completed or partially completed, and including all labor, materials, equipment, and services provided or to be provided by the Contractor to fulfill the Contractor's obligations. The Work may constitute the whole or a part of the Project.
- 1.19 **Written Notice:** Shall be deemed to have been duly served if delivered in person to the individual or to a member of the firm or to an officer of the corporation for whom it is intended, if delivered at or sent by registered mail or other traceable delivery service to the last business address known to him who gives notice. Electronic, FAX or other telephonic transmission shall not be considered as written notice.

ARTICLE 2. THE WORK.

- 2.01 The Contractor shall perform all of the Work required by the Contract Documents and shall provide materials, supplies, tools, equipment, labor and services directly related to the Work, and shall perform the Work in a good and workmanlike manner with sufficient manpower to perform the Work in accordance with the time requirements set forth in the Contract Documents, and shall perform all other acts and supply all other things necessary to complete the Work in strict accordance with the Contract Documents.

- 2.02 When completed the Work shall conform to the requirements of the Contract Documents and be completely ready for occupancy and finally completed.
- 2.03 The Contractor represents and warrants to the Owner that:
 - 2.03.01 It is financially solvent and has sufficient working capital to perform the obligations under this Construction Contract;
 - 2.03.02 It is experienced and skilled in the construction of the type of project described in the Contract Document;
 - 2.03.03 It is able to provide the labor, materials, equipment and machinery necessary to complete the Work for the agreed upon price;
 - 2.03.04 It is fully licensed under all applicable laws and authorized to do business in the State of Florida in the name of the entity identified as the "Contractor" in the Construction Contract, and is legally permitted to perform all the work set forth in this Construction Contract.
 - 2.03.05 It has visited the jobsite and examined its nature and location, including without limitation: the surface conditions of the site and any structure or obstruction both natural or man-made; the surface water conditions and water ways of the site and surrounding area; the subsurface conditions of the land as disclosed by soil test borings; and the location of electric and utility lines and water, sanitary, sewer and storm drain lines, as well as site ingress and egress. The Contractor acknowledges receipt and has reviewed the site geotechnical report provided for the Owner.
 - 2.03.06 It will comply with all federal, state and local governmental laws, rules and regulations relating to its responsibilities as set forth in the Contract Documents.

ARTICLE 3. COORDINATION AND CORRELATION OF DRAWINGS AND SPECIFICATIONS.

- 3.01 The Contractor represents that:
 - 3.01.01 The Contractor and Subcontractors have fully examined and compared all Drawings, Specifications and other Contract Documents including but not limited to those relating to the architectural, structural, mechanical, electrical, civil engineering and plumbing elements and have compared and reviewed all general and specific details on the Drawings and the various technical and administrative requirements of the Specifications.
 - 3.01.02 All construction materials, labor, methods, means, techniques, sequences and procedures required to carry out the Work, all safety precautions and programs required in connection with carrying out the Work, all conflicts, discrepancies, errors and omissions that Contractor is aware of as a result of the examination and comparison of the Contract Documents have been either corrected or clarified to the satisfaction of the Contractor prior to execution of this Construction Contract.
 - 3.01.03 The Contract Sum is reasonable compensation and represents the total lump sum cost for the Work and that all systems and Work shall be functional and in accordance with the requirements of the Contract Documents.
 - 3.01.04 The Contract Time is adequate for the performance of the Work.
- 3.02 The Contractor is responsible for all means, methods, techniques and sequencing of construction.
- 3.03 If, after execution of this Construction Contract, the Contractor detects a conflict, discrepancy, error or omission in the Contract Documents then it shall immediately notify Project Consultant and Owner prior to proceeding with the specific portion of the Work.

ARTICLE 4. INTENT AND INTERPRETATION.

- 4.01 With the respect to the intent and interpretation of this Contract, the Owner and the Contractor agree as follows:
- 4.01.01 The Contractor shall have a continuing duty to read, examine, review, compare and contrast each of the documents which make up this Contract and shall immediately give written notice to the Owner and the Project Consultant of any conflict, ambiguity, error or omission which the Contractor may find with respect to these documents before proceeding with the affected Work.
- 4.01.02 The Contract Documents are complementary, and what is called for by one shall be as binding as if called for by all.
- 4.01.03 The intent of the Contract Documents is to include all labor, materials, equipment services and transportation necessary for the proper execution of the Work. The Contractor shall continually refer to drawing, specifications and other Contract Documents in this regard.
- 4.01.04 In the event of a conflict among the Contract Documents, the most stringent requirement to the Contractor shall control.
- 4.02 The Project Consultant shall be the initial interpreter of the requirements of the Contract Documents and the judge of the performance thereunder.
- 4.02.01 The Project Consultant shall render interpretations necessary for the proper execution or progress of the Work with reasonable promptness on written request of either the Owner or the Contractor, and shall render written decisions, within a reasonable time, on all claims, disputes, change order requests, substitution requests, requests for interpretation and other matters in question between the Owner and the Contractor relating to the execution or progress of the Work or the interpretation of the Contract Documents.
- 4.02.02 Interpretations and decisions of the Project Consultant shall be consistent with the intent of and reasonably inferable from the Contract Documents.
- 4.02.03 In the capacity of interpreter the Project Consultant shall endeavor to secure faithful performance by both the Owner and the Contractor, and shall not show partiality to either.

ARTICLE 5. OWNERSHIP OF THE CONTRACT DOCUMENTS WHICH MAKE UP THE CONTRACT

- 5.01 Subject to any rights the Project Consultant may have, the Contract Documents and each of them, as well as any other documents, intellectual property, software, computer-assisted material or disks relating to or regarding the Work, shall be and remain the property of the Owner. This shall be the case even if prepared, created or provided by the Project Consultant, Contractor, Subcontractor or others.
- 5.02 The Contractor shall have the right to keep copies of same upon completion of the Work; provided, however, that in no event shall the Contractor use, or permit to be used, any portion or all of same on other projects without the Owner's prior written authorization.
- 5.03 The Contractor agrees to provide any and all items referred to in this Paragraph to Owner upon demand by Owner. In the event Contractor fails to provide same to Owner as demanded, Contractor acknowledges that the Owner will need same and will be irreparably harmed and be subject to an injunction to provide same.

ARTICLE 6. TEMPORARY UTILITIES.

- 6.01 Water For Execution of the Work: The Contractor shall provide temporary water lines sufficient to supply all water needed for the construction and other services required by the Contract Documents and shall pay for all service connections and water used by the Contractor or Subcontractors unless the contrary is provided for elsewhere in the Contract Documents.

- 6.02 Electrical Energy: The Contractor shall provide temporary electrical energy and power lines sufficient to supply all electricity needed for the construction and other services required by the Contract Documents and shall pay for all service connections and electricity used by the Contractor or Subcontractors unless the contrary is provided for elsewhere in the Contract Documents.
- 6.03 Temporary Sanitary Facilities And Sewers:
- 6.03.01 The Contractor shall provide and maintain in a neat and sanitary condition such accommodations and facilities for the use of his employees as may be necessary to comply with the regulations of any governmental agencies, departments, etc. which address or govern these issues.
- 6.03.02 No nuisance will be permitted.
- 6.03.03 Upon completion of Work, such facilities shall be removed and the premises left in a sanitary condition.
- 6.03.04 Contractor is not permitted to use restrooms or other sanitary facilities within the Owner's existing building or on-site facilities unless the contrary is provided for elsewhere in the Contract Documents.

ARTICLE 7. PROGRESS.

- 7.01 Contractor shall provide the Owner with full information in advance as to its plans for performing each part of the Work. This shall include, but not be limited to, schedules provided to the Owner as Post-Award Information and subsequently updated schedules submitted to the Owner on a monthly basis as required in Article 10 below, as a condition precedent to payment(s).
- 7.01.01 Such schedule shall be in a form acceptable to the Owner.
- 7.01.02 The Contractor's schedule shall be updated no less frequently than monthly (unless the parties otherwise agree in writing) and shall be updated to reflect conditions encountered from time to time and shall apply to the total Project.
- 7.01.03 Each such revision shall be provided to the Owner and the Project Consultant.
- 7.01.04 Compliance with the requirements of this Subparagraph shall be a condition precedent to payment to the Contractor, and failure by the Contractor to comply with said requirements shall constitute a material breach of this Contract.
- 7.01.05 By providing these Schedules to Owner, Owner does not in any way acknowledge or consent that the Schedules are acceptable or reasonable, but it is simply reviewing same for its own informational purposes.
- 7.02 If at any time during the progress of Work, the Contractor's actual progress is inadequate to meet the requirements of the Contract Documents, such as the required completion dates, the Owner may so notify Contractor who shall thereupon take such steps as may be necessary to improve its progress so as to complete the Work on or before the required Substantial Completion Date.
- 7.02.01 If within a reasonable period as determined by Owner, the Contractor does not improve performance to meet the requirements of the Contract Documents, such as the required completion dates, then the Owner may require an increase in any or all of the following: Contractor's Subcontractor crews and Contractor's own labor force, the number of shifts, overtime operation, Contractor's supervision and additional days of work per week, all without cost to Owner.
- 7.02.02 Neither such notice by Owner nor Owner's failure to issue such notice shall relieve Contractor of its obligation to achieve the quality of work and rate of progress required by the Contract Documents.

- 7.03 Failure of Contractor to comply with the instructions of the Owner may be grounds for determination by Owner that Contractor is not prosecuting its Work with such diligence as will assure completion within the time specified.
- 7.04 Upon such determination, Owner, in addition to any and all other rights set forth in the Contract Documents and remedies afforded Owner under the Contract Documents or at law, may:
- 7.04.01 Elect to proceed with the Work with its own employees, agents, contractors, subcontractors, suppliers and assess all costs, expenses or fees for same against contractors and/or
- 7.04.02 Terminate for cause Contractor's right to proceed with the performance pursuant to the Contract Documents, or any separable part thereof, in accordance with the applicable provisions of the Contract Documents.

ARTICLE 8. EXPEDITING

- 8.01 The Work, equipment and material provided under this Contract may be subject to expediting by Owner.
- 8.02 Owner shall be allowed reasonable access to the shops, factories and other places of business of the Contractor and/or Subcontractors for expediting purposes.
- 8.03 As required by Owner, Contractor shall supply schedules and progress reports for Owner's use in expediting, and Contractor shall cooperate with Owner and require Subcontractors to cooperate with Owner in such expediting.
- 8.04 Any expediting performance by Owner shall not relieve Contractor of its sole and primary responsibility for timeliness of delivery of the equipment and material to be provided under the Contract Document.

ARTICLE 9. COMPLETION

- 9.01 When the Contractor considers that the Work, or a portion thereof which the Owner agrees to accept separately, is substantially complete, the Contractor shall prepare and submit to the Project Consultant a comprehensive Punch List of items to be completed or corrected prior to final payment. Failure to include an item on the Punch List does not alter the responsibility of the Contractor to complete all Work in accordance with the Contract Documents.
- 9.01.01 For a Project with an estimated cost of less than \$10 million, the Punch List shall be completed within thirty (30) calendar days after Substantial Completion of the Project, as same is defined in the Contract Documents. If Substantial Completion is not defined in the Contract Documents, the list shall be completed upon reaching beneficial occupancy or use.
- 9.01.02 For a Project with an estimated cost of \$10 million or more, the Punch List shall be completed within thirty (30) calendar days, unless otherwise extended elsewhere in the Contract Documents, but not to exceed sixty (60) calendar days, after reaching Substantial Completion, as same is defined in the Contract Documents. If Substantial Completion is not defined in the Contract Documents, the list shall be completed upon reaching beneficial occupancy or use.
- 9.02 For a Project involving the construction of more than one building or structure, or involving a multiphased project, a Punch List shall be created for each building, structure, or phase of the Project pursuant to the limitations provided for above in 9.01.01 and 9.01.02, as applicable.
- 9.03 The failure to include any corrective work or pending items not yet completed on the List does not alter the responsibility of the Contractor to complete all the construction services purchased pursuant to the contract. All items that require correction under the Contract Documents and that are identified after the preparation and delivery of the Punch List remain the obligation of the Contractor as defined by the Contract Documents.

- 9.04 Upon completion of all of the items on the Punch List, the Contractor may submit a payment request for all remaining retainage withheld by the local governmental entity pursuant to this section. If a good faith dispute exists as to whether one or more items identified on the list have been completed pursuant to the Contract Documents, the Owner may continue to withhold an amount not to exceed 150 percent of the total costs to complete the outstanding item.
- 9.05 In the event that the Contractor fails, in whole or in part, to comply with the obligations and responsibilities required hereunder in paragraph 9.01, the Owner need not pay or process any payment request for remaining retainage.

ARTICLE 10. CONTRACT PAYMENTS

- 10.01 Schedule of Values:
- 10.01.01 The Contractor shall maintain and update the Schedule of Values originally provided to the Owner as Post-Award Information.
- 10.01.02 The Contractor's Schedule of Values apportions the Contract Price among the different elements of the required Work for purposes of periodic and final payments and shall be submitted as detail in support of the Contractor's monthly Application for Payment.
- 10.01.03 The Schedule of values shall be presented with such detail, and supported with whatever information the Project Consultant or the Owner reasonably requests.
- 10.01.04 The Contractor shall not imbalance its Schedule of Values nor artificially inflate or exaggerate any element thereof. Contractor's failure to comply with this provision shall be grounds for Owner to terminate Contractor, as provided for elsewhere herein.
- 10.02 The Owner shall pay the Contract Price to the Contractor in accordance with the procedures provided herein.
- 10.02.01 On or before the **15th** day of each month after commencement of performance, but no more frequently than once monthly, the Contractor may submit an Application for Payment to the Owner for the period ending the last day of the previous month or other pay period as mutually defined and agreed to by the Contractor and Owner and as provided for in the Contract Documents. The Contractor shall also deliver a copy of the Application for Payment to the Project Consultant.
- 10.02.02 Said Application for Payment shall be in the format required elsewhere in the Contract Documents and include whatever supporting information as may be required by the Project Consultant, the Owner, or both.
- 10.02.03 The Owner shall not be required to pay for stored materials or equipment except as set forth in Article 25 below.
- 10.02.04 Each Application for Payment shall be signed by the Contractor and shall constitute the Contractor's representation that the quantity of work has reached the level for which payment is requested, that the Work has been properly installed or performed in substantial compliance with the requirements of the Contract Documents, and that the Contractor knows of no reason why payment should not be made as requested.
- 10.02.05 Upon receipt of the Application for Payment, the Project Consultant shall:
- a. Within ten (10) days review the Application for Payment and may also review the Work at the Project site or elsewhere to determine whether the quantity and quality of the Work is as represented in the Application for Payment and is as required by the Contract Documents.
 - b. Approve in writing the amount which, in the opinion of the Project Consultant, is properly owing to the Contractor.

- 10.02.06 The Owner shall make payment to the Contractor within fifteen (15) days following the Project Consultant's written approval of the Application for Payment but in no event later than twenty-five (25) days after the invoice was received by the Owner.
- 10.02.07 The Owner may reject the Application for Payment within twenty (20) business days after the date on which the Application for Payment is stamped as received. The rejection shall be in writing and shall specify the deficiency in the payment request or invoice and the action necessary to make the payment request or invoice proper.
- 10.02.08 If the Owner disputes a portion of an Application for Payment, the undisputed portion must be timely paid.
- 10.02.09 The Contractor may submit a corrected Application for Payment which corrects the deficiency or deficiencies specified in writing by the Owner. The Owner shall either pay or reject the corrected Application for Payment within ten (10) business days after receipt of same.
- 10.02.10 If a dispute regarding the Application for Payment cannot be resolved pursuant to the process outlined herein, it must be resolved in accordance with the dispute resolution procedures outlined in Article 45.
- 10.02.11 The amount of each monthly payment shall be the amount approved for payment by the Project Consultant less such amounts, if any, otherwise owing by the Contractor to the Owner or which the Owner shall have the right to withhold as authorized by the Contract Documents or reasonable business practices. In the event of a dispute with regard to a portion of the Application for Payment, the Owner shall pay the undisputed portion pursuant to the timeline established in this Section.
- 10.02.12 The Project Consultant's approval of the Contractor's Applications for Payment shall not preclude the Owner from the exercise of any of its rights as set forth in the Contract Documents.
- 10.02.13 The submission by the Contractor of an Application for Payment also constitutes an affirmative representation and warranty that all Work for which the Owner has previously paid is free and clear of any lien, claim, or other encumbrance by any person whatsoever.
- 10.02.14 As a condition precedent to payment, the Contractor shall, as required elsewhere in the Contract Documents and as required by the Owner, also provide to the Owner documents relating to the Project, including but not limited to, updated schedules and daily logs, properly executed documents that all subcontractors, materialmen, suppliers or others having rights, acknowledge receipt of all sums due pursuant to all prior Payment Requests and waive and relinquish any rights or other claims of any nature relating to the Project.
- 10.02.15 Furthermore, the Contractor warrants and represent that, upon payment of the Application for Payment submitted, title to all work included in such payment shall be vested in the Owner.
- 10.02.16 Dollar Value/Time Graphs: Each of the Contractor's Application for Payment shall be accompanied by a graph, prepared by the Contractor, that consecutively tracks the percentage of completion of both the Application for Payment's dollar value attained and the contract time (calendar days) elapsed, all coinciding with the date of the Application for Payment.
- 10.03 When payment is received from the Owner, the Contractor shall within five (5) days pay all subcontractors, materialmen, laborers and suppliers the amounts they are due for all work covered by such payment. In the event such payments are not made in a timely manner the Owner may, in its discretion, invoke reasonable procedures in order to protect Owner's interest or Owner's desire to assist in having subcontractors, laborers, suppliers, materialmen or others paid.
- 10.04 It is mutually agreed that payments made under this Contract shall not constitute acceptance of defective or improper materials or workmanship nor shall same act as a waiver or release of future performance in accordance with the Contract Documents.

ARTICLE 11. WITHHOLDING PAYMENT TO CONTRACTOR

- 11.01 The Owner may withhold as retainage ten (10) percent of the payment owed to the Contractor until fifty-percent (50%) completion of the Project. After fifty-percent (50%) completion is reached, the Owner will reduce the amount of retainage withheld from each subsequent progress payment to five percent.
- 11.01.01 Fifty-percent (50%) completion shall be defined in the Contract Documents. If not defined, fifty-percent (50%) completion shall be the point at which the Owner has expended fifty-percent (50%) of the total cost of the construction services purchased with all costs associated with existing change orders and any other additions or modifications to the construction services provided for in the Contract Documents.
- 11.01.02 After fifty-percent (50%) completion of the Project, the Contractor may present to the Owner an Application for Payment of up to one-half of the retainage retained by the Owner prior to the fifty-percent completion date. The Owner shall promptly make such payment unless the Owner has grounds for withholding the payment retainage as provided herein.
- 11.02 If the City pays the retainage amount upon the Contractor's request which is attributable to the labor, services, or materials supplied by one or more contractors or suppliers, the Contractor shall timely remit payment of such retainage to those subcontractors or suppliers.
- 11.03 Regardless of the provisions in this Article, in no event shall the Owner be required to pay or release any amounts that are the subject of a good faith dispute, a claim brought pursuant to Fla. Stat. § 255.05, or otherwise the subject of a claim or demand by the Owner.
- 11.04 In addition to the Retainage, payments, including but not limited to Final Payment, may be withheld or reduced by the Owner in its sole discretion if any of the following exists:
 - 11.04.01 The Work is not proceeding in accordance with the Construction Documents Schedule as anticipated by the Project Consultant or the Owner. In that event, the Project Consultant or the Owner will assess the anticipated delay and the Owner will use the amounts specified for Liquidated Damages as the basis for amounts withheld. Said funds shall be held until such time as the Project Consultant or Owner determine that the Work is back on schedule. By making said funds available to Contractor, Owner does not waive its right to assess liquidated damages at the completion of the Project;
 - 11.04.02 Liquidated Damages as set forth in this Contract;
 - 11.04.03 Defective Work unremedied;
 - 11.04.04 Punch-List items unremedied;
 - 11.04.05 Subject to Owner's written notice to Contractor in accordance with the Contract Documents back charge items for work performed by Owner or another contractor at the request of Owner, which work is within the scope of the Work under this Construction Contract;
 - 11.04.06 Claims filed by subcontractors, laborers, suppliers, materialmen or others;
 - 11.04.07 Failure to comply with any and all insurance requirements;
 - 11.04.08 Failure of the Contractor to make payment properly to Subcontractors or others;
 - 11.04.09 Damage to the Owner or another contractor;
 - 11.04.10 Reasonable evidence that the Work will not be completed on or before the Substantial Completion or Final Completion Date;
 - 11.04.11 Failure of the Contractor to carry out any of its obligations in accordance with the Contract Documents;

- 11.04.12 Failure of the Contractor to submit the information or documents required by this Contract or reasonably required by Owner, including but not limited to schedules and daily logs.

ARTICLE 12. CONTRACTOR'S RIGHT UPON NONPAYMENT.

- 12.01 If within thirty (30) days of the date payment to the Contractor is due, the Owner, without cause or basis hereunder, fails to pay the Contractor any amounts then due and payable to the Contractor, the Contractor shall have the right to cease work until receipt of proper payment after first providing ten (10) days written notice of its intent to cease work to the Owner.

ARTICLE 13. INFORMATION AND MATERIAL SUPPLIED BY THE OWNER.

- 13.01 The Owner shall furnish to the Contractor, prior to the execution of the Contract, any and all written and tangible material, including but not limited to surveys and other information concerning existing conditions on the Site.
- 13.02 The Owner shall also furnish, if appropriate, the legal description of the Project site, and any required survey.

ARTICLE 14. LICENSES AND PERMITS.

- 14.01 All licenses and permits necessary to commence and prosecute the Work to completion shall be procured and paid for by the Contractor, unless expressly provided for elsewhere in the Contract Documents.
- 14.03 All easements and rights-of-way will be procured and paid for by the Owner unless otherwise specifically provided within the Contract Documents.

ARTICLE 15. CEASE AND DESIST ORDER.

- 15.01 In the event the Contractor fails or refuses to perform the Work as required herein, the Owner may instruct the Contractor to cease and desist from performing the Work in whole or in part. Upon receipt of such instruction, the Contractor shall immediately cease and desist as instructed by the Owner and shall not proceed further until the cause for the Owner's instructions has been corrected and the Owner instructs that the Work may resume.
- 15.02 In the event the Owner issues such instruction to cease and desist, and in the further event the Contractor fails and refuses within seven (7) days of receipt of same to provide adequate assurance to the Owner that the cause of such instructions will be eliminated or corrected, then the Owner shall have the right, but not the obligation, to carry out the Work with its own forces, or with the forces of another contractor, and the Contractor shall be fully responsible and liable for the costs of performing such work by the Owner.
- 15.03 The rights set forth herein are in addition to, and without prejudice to, any other rights or remedies the Owner may have against the Contractor.

ARTICLE 16. DUTIES, OBLIGATIONS AND RESPONSIBILITIES OF THE CONTRACTOR.

- 16.01 The Contractor shall perform the Work in accordance with the Contract Documents.
- 16.02 The Contractor shall supervise the Work and bear full responsibility for any and all acts or omissions of those engaged in the Work on behalf of the Contractor.
- 16.03 The Contractor hereby warrants that all labor provided under this Contract shall be competent to perform the tasks undertaken, that the product of such labor shall yield only first-class results, that all material and equipment provided shall be new and of high quality, that the Work will be complete, of high quality, without defects, and in compliance with the requirements of the Contract Documents. Any Work not complying with the requirements of this Subparagraph shall constitute a breach of the Contractor's warranty.

- 16.04 Unless expressly provided for elsewhere in the Contract Documents, the Contractor shall obtain and pay for all required permits, fees, and licenses and shall comply with all legal requirements applicable to the Work.
- 16.05 The Contractor shall prepare and submit schedules and supporting documentation as required elsewhere in the Contract Documents.
- 16.06 Record Keeping on Site:
- 16.06.01 The Contractor shall keep a daily log, an updated copy of the Contract Documents, approved shop drawings and other submittals, and other documents and materials as required by the Contract Documents at the site.
- 16.06.02 All of these items shall be available to the Owner and the Project Consultant at all regular business hours.
- 16.06.03 Upon final completion of the Work, all of these items shall be finally updated and provided to the Owner and shall become the property of the Owner.
- 16.07 Shop Drawings And Other Submittals:
- 16.07.01 The Contractor shall submit for approval with reasonable promptness and in a timely manner so as to cause no delay in the Work, various submittals including shop drawings as required for the Work of the various trades.
- 16.07.02 These shop drawings and other submittals shall be in accordance with the requirements of the Contract Documents and shall be carefully checked in every respect and signed by the Contractor before submitting same to the Project Consultant.
- 16.07.03 Shop drawings and other submittals from the Contractor are not part of the Contract Documents but are documents prepared and utilized by the Contractor to coordinate the Work.
- 16.07.04 The Contractor shall not do any Work requiring shop drawings or other submittals unless such have been approved in writing by the Project Consultant.
- 16.07.05 All Work requiring approved shop drawings or other submittal shall be done in compliance with such approved documents. However, approval by the Project Consultant or the Owner shall not be evidence that Work installed pursuant thereto conforms with the requirements of the Contract Documents.
- 16.07.06 The Owner and the Project Consultant shall have no duty to review partial submittal or incomplete submittal except as may be provided otherwise within the Contract Documents.
- 16.07.07 The Contractor shall maintain a submittal log which shall include, at a minimum, the date of each submittal, the date of any resubmittal, the date of any approval or rejection, and the reason for any approval or rejection.
- 16.07.08 The Contractor shall have the duty to carefully review, inspect and examine any and all submittal and resubmittals before submission of same to Owner or the Project Consultant.
- 16.08 The Contractor shall maintain the Project site in a reasonably clean condition during performance of the Work. Upon final completion, the Contractor shall thoroughly clean the Project site of debris, trash and excess materials or equipment. In the event the Project is located at or near occupied facilities, then Owner may establish additional rules and regulations regarding condition at the Project, including but not limited to, keeping the Project and the occupied premises clean, safe and secure.

- 16.09 At all times, the Contractor shall permit the Owner and the Project Consultant to enter upon the Project site and to review or inspect the Work.

ARTICLE 17. SUBCONTRACTS.

- 17.01 The Contract Documents make no attempt to fix the scope of the Work of any Subcontractor nor the responsibilities of any such Subcontractor, it being understood that the Contractor shall fix the scope of all Work and responsibilities of the Subcontractor. Contractor shall not replace Subcontractor without good cause.
- 17.02 The Contractor shall continuously update information concerning Subcontractors submitted to the Owner as Post-Award Information by submitting:
- 17.02.01 The general form of Subcontract Agreement used by the Contractor within thirty (30) days of execution of the Construction Contract.
- 17.02.02 Updated listings of Subcontractors denoting changes to the list submitted as Post-Award Information within ten (10) days of said change.
- 17.02.03 Copies of executed Subcontractor Contracts within ten (10) days of their execution.
- 17.02.04 A complete accounting of all payments made to Subcontractors and the balances owed to the Subcontractors with each Application For Payment submitted by the Contractor.
- 17.03 All contracts with Subcontractors shall incorporate by reference the terms and conditions of this Construction Contract.
- 17.04 The Contractor shall cause and require to be included in all Subcontracts a provision for the benefit of the Owner binding the Subcontractors to remain bound by the Subcontracts in the event the Contractor is replaced by another contractor pursuant to the terms of the Contract Documents. The Contractor shall also include in all Subcontracts a provision requiring the Subcontractor, in the event of the Contractor's termination, to consent to the assignment of their Subcontracts to the Owner.
- 17.05 The Owner may at any time request from the Subcontractors, or any of them, a sworn statement of account with the Contractor and the Contractor shall cause to be included in all Subcontracts a requirement that the Subcontractors provide said sworn statement upon Owner's request.
- 17.06 Each Subcontractor and supplier must agree to assign all of its warranties to Owner. In addition each Subcontractor and supplier must warrant all of its Work, equipment, materials and labor to Owner in accordance with the terms and provisions of its contractual obligations to Contractor and any legal or statutory provisions that apply to its work, materials or equipment.
- 17.07 Owner may at its discretion require Contractor to have major sub-subcontractors or suppliers comply with the requirements of this Article 16 or other provisions of the Contract Documents.

ARTICLE 18. CONTRACTOR'S SUPERINTENDENT

- 18.01 Before starting the Work, Contractor shall designate an English speaking, competent, authorized representative (hereinafter Superintendent), acceptable to the Owner, to represent and act for the Contractor. The Contractor shall:
- 18.01.01 Inform Owner, in writing, of the name and address of such representative together with a clear definition of the scope of his authority to represent and act for Contractor and shall specify any and all limitation on such authority.
- 18.01.02 Keep the Owner informed of any subsequent changes in the foregoing.

- 18.02 The Superintendent shall be present (or be temporarily represented by a person familiar with the project work activities and schedule) at the site of the Work at all times when the Work is actually in progress.
- 18.04 All notices, determinations, instructions and other communications given to the Contractor's Superintendent shall be binding upon the Contractor.
- 18.05 The Superintendent shall maintain a daily log/report which shall include at least the following information: weather conditions; trades at site; manpower totals by trade; heavy equipment in use; activities in progress; and inspections at site. Copies of the daily entries shall be provided to the Owner once per month, or as required elsewhere in the Contract Documents.

ARTICLE 19. COOPERATION WITH OTHERS.

- 19.01 The Owner and other contractors and subcontractors may be working at the site during the performance of the Construction Contract, and Contractor's work may be interfered with as a result of such concurrent activities. Contractor shall fully cooperate with Owner and other contractors to avoid any delay or hindrance of the Work. Owner may require that certain facilities be used concurrently by Contractor and other parties and Contractor shall comply with such requirements.
- 19.02 If any part of the Contractor's work depends on proper execution or results from any work performed by the Owner or any separate contractor, the Contractor shall, prior to proceeding with the Work, promptly report to the Owner any apparent discrepancies or defects in such work that render it unsuitable for such proper execution and results. Failure of the Contractor to so report shall constitute an acceptance of the Owner or separate contractor's work as fit and proper to receive Contractor's Work, except as to defects which may subsequently become apparent in such work performed by others.

ARTICLE 20. SITE CONDITIONS.

- 20.01 Contractor shall have the sole responsibility to conduct reasonable inspection of the site and to satisfy itself concerning the nature and location of the Work and the general and local conditions, and particularly, but without limitation, with respect to the following: those affecting transportation, access, disposal, handling and storage of material; availability and quality of labor, water and electric power; availability and condition of roads; climatic conditions; location of underground utilities as depicted in the Contract Documents; governmental processes and requirements for obtaining permits other than issuance of the original building permits, certificates of occupancy and other regulatory/utility approvals; physical conditions at the work sites and the Project area as a whole; topography and ground surface conditions; subsurface geology, and nature and quality of surface and subsurface materials to be encountered; equipment and facilities needed preliminary to and during performance of the Construction Contract; and all other matter which can in any way affect performance of the Construction Contract, or the cost associated with such performance.
- 20.02 The failure of Contractor to acquaint itself with any applicable condition will not relieve it from the responsibility for properly estimating either the duration, difficulties, or the costs of successfully performing the Work.
- 20.03 Contractor may reasonably rely upon site documentation provided by the Owner. In the event that during the course of the Work Contractor encounters an underground utility facility that was not shown on the Contract Documents; or subsurface or concealed conditions at the Project site which differ materially from those shown on the Contract Documents and from those ordinarily encountered and generally recognized as inherent in work of the character called for in the Contract Documents; or unknown physical conditions of the Project site, of an unusual nature, which differ materially from that ordinarily encountered and generally recognized as inherent in work of the character called for in the Contract Documents, Contractor, without disturbing the conditions and before performing any work affected by such conditions, shall, within forty-eight (48) hours of their discovery, notify Owner and Project Consultant in writing of the existence of the aforesaid conditions. Project Consultant and Owner shall, within two (2) business days after receipt of Contractor's written notice, investigate the site conditions identified by Contractor. If, in the sole opinion of

Project Consultant, the conditions do materially so differ and cause an increase or decrease in Contractor's cost of, or the time required for, the performance of any part of the Work, whether or not changed as a result of the conditions, Project Consultant shall recommend an equitable adjustment to the Contract Price, or the Contract Time, or both. If Owner and Contractor cannot agree on an adjustment in the Contract price or the Contract time, the adjustment shall be referred to Project Consultant for determination. Should Project Consultant determine that the conditions of the Project site are not so materially different to justify a change in the terms of the Contract, Project Consultant shall so notify Owner and Contractor in writing, stating the reasons, and such determination shall be final and binding upon the parties hereto. No request by Contractor for an equitable adjustment to the Contract under this provision shall be allowed unless Contractor has given written notice in strict accordance with the provisions of this Article. No request for an equitable adjustment or change to the Contract Price or Contract Time for differing site conditions shall be allowed if made after the date certified by Project Consultant as the date of substantial completion.

ARTICLE 21. RESPONSIBILITY FOR WORK SECURITY.

- 21.01 Contractor shall at all times conduct, at its expense, all operations under the Construction Contract in a manner to avoid the risk of loss, theft or damage by vandalism, sabotage or other means to any property.
- 21.01.01 Contractor shall promptly take such reasonable precautions as are necessary and adequate against any conditions which involve risk of a loss, theft or damage to its property.
- 21.01.02 Contractor shall continuously inspect all of its Work, materials, equipment and facilities to discover and determine any such conditions and shall be solely responsible for discovery, determination and correction of any such condition.
- 21.02 Contractor shall comply with all applicable laws and regulations.
- 21.02.01 Contractor shall cooperate with Owner on all security matters as set forth elsewhere in the Contract Documents and shall promptly comply with any project security requirements established by Owner.
- 21.02.02 These security requirements may be more stringent in the event portions of the facilities or project are occupied or otherwise being used.
- 21.02.03 Such compliance with these security requirements shall not relieve Contractor of its responsibility for maintaining property security for the above noted items, nor shall it be constructed as limiting in any manner Contractor's obligation to undertake reasonable action as required to establish and maintain secure conditions at the site.
- 21.03 Contractor shall prepare and maintain accurate reports of incidents of loss, theft or vandalism and shall provide these reports to Owner in a timely manner.

ARTICLE 22. PROTECTION OF WORK IN PROGRESS, MATERIALS AND EQUIPMENT.

- 22.01 Contractor shall be responsible for and shall bear any and all risks of loss or damage to Work in progress, all materials delivered to the site, and all materials and equipment involved in the Work until completion and final acceptance of the Work under this Contract.
- 22.02 Permanent openings for the introduction of work and materials to the structure and construction site shall be protected so that upon completion, the Work will be delivered to the Owner in proper, whole and unblemished condition.

ARTICLE 23. ADMINISTRATION OF THE CONTRACT.

- 23.01 The Project Consultant will provide Administration of the Contract.

- 23.01.01 For those projects for which the City Engineer serves as the Project Consultant, all references to the Project Consultant shall be considered to be the City Engineer.
- 23.01.02 In the event the Owner should find it necessary to replace the Project Consultant, the Owner shall retain a replacement and the role of the replacement shall be the same as the role of the original Project Consultant.
- 23.02 Unless otherwise directed by the Owner in writing, the Project Consultant will perform those duties and discharge those responsibilities allocated to the Project Consultant by the Owner.
- 23.03 Neither the Project Consultant nor the Owner will be responsible for construction means, methods, techniques, sequences or procedures, safety precautions and programs in connection with the Work or for the acts of omission or commission of the Contractor, its Subcontractors or their agents or employees.
- 23.04 The Project Consultant and Owner will each have the authority to reject Work which does not conform to the Contract Documents and to require special inspection or testing with prior approval by the Owner. Neither the Project Consultant's nor the Owner's authority to act under this Paragraph, nor any decision made by them in good faith either to exercise or not to exercise such authority, shall give rise to any duty or responsibility of the Project Consultant or the Owner to the Contractor, any Subcontractor, any of their agents or employees, or any other person performing any of the Work.
- 23.05 The Contractor shall forward all communications to the Project Consultant, with simultaneous copies to the Owner.
- 23.06 The Project Consultant will review and certify the Contractor's Application for Payments which the Owner must subsequently approve prior to Payment of the Contractor.
- 23.07 The Project Consultant shall approve shop drawings for design only, the Contractor being responsible for all dimensions, quantities, etc., necessary to complete the Work in compliance with the Drawings and Specifications and other Contract Documents.
- 23.08 The duties, responsibilities and limitations of authority of the Project Consultant and the Owner will not be modified nor extended without written consent of the Contractor, the Project Consultant, and the Owner.
- 23.09 Notwithstanding anything to the Contrary in these General Conditions or any other "Contract Document" as that term is defined in the Professional Services Agreement between the City of Pompano Beach, Florida and the Project Consultant, it is not the intention nor shall any of the provisions of those documents act as a release, limitation or discharge of the obligations or responsibilities of the Project Consultant pursuant to its agreement with the Owner.
- 23.10 The Project Consultant will utilize the Contractor Performance Report to monitor and record the Contractor's performance for the work specified by the contract. The Contractor Performance Report has been included as an exhibit to the contract.

ARTICLE 24. MATERIALS.

- 24.01 The Contractor shall provide materials and equipment as required in the Contract Documents. No substitution will be permitted except in the instance where a material is no longer available during the progress of the Work or is deemed by the Owner to be no longer suitable or appropriate for incorporation into the Work or for obvious economic benefits accruable to the Owner.
- 24.01.01 Any such substitution must be approved by the Project Consultant and Owner prior to incorporation of the proposed substitution into the Work.
- 24.01.02 Proposed substitutions must be submitted for consideration from the Contractor to the Project Consultant and the Owner. Documentation for the proposed substitution must include, but is not limited to

substantiation of the Contractor's efforts to obtain the originally specified materials including documentary evidence from the original materials' manufacturer that such materials are not available.

- 24.01.03 Product delivery lead times shall not serve as a basis for any substitution request except for where approved in advance by the Owner.
- 24.01.04 All additional costs incurred by the Owner as the result of any substitution will be the direct responsibility of and borne by the Contractor.
- 24.02 The Contractor shall make written request to the Project Consultant for and obtain his written approval of the use of any materials proposed for use when "approval" materials are specified or a performance type specification is utilized without mentioning any standard by name.
- 24.03 If, in the opinion of the Project Consultant, a specified product or equipment no longer meets the quality of the products or equipment required for the Work, Project Consultant shall request a Change Order Proposal from the Contractor for modifying the Contract to incorporate the respective changes to the Work required, the Contract amount, and the Contract Time as beneficial to the Owner.

ARTICLE 25. STORED MATERIALS.

- 25.01 Contractor shall, at its expense, receive, unload, store in a secure place, and deliver from storage to the construction site all materials and equipment required for the performance of the Contract.
- 25.01.01 Contractor is not entitled to payment for same except for those materials which in Owner's discretion are properly stored and are going to be installed or incorporated into the construction of the Project within thirty (30) days of delivery to the construction site.
- 25.01.02 The storage facilities and methods of storing shall meet Owner's approval and shall be in accordance with manufacturer's recommendations, or Owner will not be obligated to pay for same.
- 25.01.03 Materials and equipment subject to degradation by outside exposure shall be stored in a weather tight enclosure provided by Contractor at its expense.
- 25.01.04 Owner may at its discretion require material to be stored in an air-conditioned location.
- 25.02 Provided the above conditions are met, the stored materials may be included in a subsequent Application for Payment if the Contractor also complies with the following:
- 25.02.01 An applicable purchase order is provided listing the materials in detail and identifying the Contract Documents, by name, with verification that the total value of the purchase order amount reconciles with the corresponding application for payment stored materials line item value.
- 25.02.02 Evidence that proper storage security is provided.
- 25.02.03 The Owner is provided legal title (free of liens or encumbrances of any kind) to the material that is stored or stockpiled.
- 25.02.04 The Contractor and/or its Subcontractor have provided insurance for the Stored Materials against loss, damage (from whatever source), or disappearance, including loss or theft prior to incorporation into the Work. By execution of the Contract, Contractor releases Owner from any responsibility for Stored Materials and assumes all liability for and risk of loss or damage, by whatever means, including Owner's alleged negligence, regardless of whether the Owner has paid for said Stored Materials.
- 25.03 Once any Stored Material is paid for by Owner, it shall not be removed from the designated storage area except for incorporation into the Project or upon subsequent written approval by Owner.

- 25.04 No Applications for Payment shall be submitted nor payments made based on the value of materials stored at locations other than the Project, unless otherwise approved in writing by the Owner.
- 25.05 It is further agreed between the parties that the transfer of title and the Owner's payment for any Stored Material pursuant to the Contract Documents shall in no way relieve the Contractor of the responsibility for providing and installing such material in accordance with the requirements of the Contract Documents.
- 25.06 The Contractor warrants that title to all of the Work or Stored Materials covered by the Application for Payment will pass to the Owner either by incorporation in the Project or upon receipt of payment by the Contractor, whichever occurs first, free and clear of all liens, claims, security, interest or encumbrance; and that none of the Work and none of the Stored Materials covered by the Application for Payments will have been acquired by the Contractor, or by any other person performing the Work at the site or providing materials and equipment to the Project, subject to an agreement under which an interest therein or encumbrance thereon is retained by the seller or otherwise imposed by the Contractor or such person.
- 25.07 In the event stored materials which Owner is paying for in advance of their being installed or incorporated into the Project pursuant to this Paragraph are not installed or incorporated into the Project within thirty (30) days of when they are delivered to the site, Contractor shall not be entitled to payment for any future stored materials on this Project and the amounts previously approved for payment for said materials shall be deducted from the Contractor's next application for payment..

ARTICLE 26. INSPECTION: REJECTION OF MATERIALS AND WORKMANSHIP.

- 26.01 All material and equipment provided and work performed shall be properly inspected by Contractor, at its expense, and shall at all times be subject to quality surveillance, inspections, observations or quality audit by Owner, Project Consultant and any inspectors conducting an inspection pursuant to code, law, regulations, etc.
- 26.01.01 Contractor shall provide safe and adequate facilities, and all samples, drawings, lists and documents necessary for such quality surveillance, observation or quality audit.
- 26.01.02 The Contractor shall permit and facilitate inspection of the Work by the Owner, Project Consultant, Inspectors for any governmental agency, authority, or board.
- 26.01.03 Owner also reserves the right to designate others such as consultants, commissioning authorities, test and balance agents, forensic specialists, etc. to conduct inspections during or subsequent to the Work as Owner in its discretion desires.
- 26.01.04 Owner and Project Consultant shall be afforded full and free access to the shops, factories or places of business of Contractor and its Subcontractors for such quality surveillance, observation or quality audit and to determine the status of the Work.
- 26.01.05 In the event the Project Consultant or Owner requires a factory inspection, the Contractor shall notify the suppliers that the material shall not be produced or fabricated without due notice to the Project Consultant and Owner and an opportunity for such inspection.
- 26.02 If any Work should be covered up without approval or consent of the Project Consultant or Owner, it must, if required by the Project Consultant or Owner, be uncovered for examination at the Contractor's expense.
- 26.03 If any material, equipment or workmanship is determined by Owner, City Engineer, Project Consultant or Inspector either during performance of the Work or on final quality surveillance, or during any applicable warranty period, to be defective or not complying with the requirements of this Construction Contract, Owner, City Engineer, Project Consultant or Inspector will notify Contractor in writing that such material, equipment or portions of the Work is rejected and Owner reserves the right to withhold payment on any such item or seek compensation from Contractor for same. Thereupon, Contractor shall, at its own expense, immediately remove, replace or correct such defective material, equipment or portions of the Work by

making the same comply strictly with all requirements of the Contract Documents. The Contractor shall be responsible for the costs of any additional site observations, special inspections and/or testing, or other activities of either the Project Consultant or the Owner made necessary by the correction of such defective materials, equipment or portions of the Work.

- 26.04 Neither the failure to make such quality surveillance, observation or quality audit, nor to discover defective workmanship, materials, or equipment, shall prejudice the rights of Owner to correct or reject the same as hereinafter provided.

ARTICLE 27. WARRANTY.

- 27.01 Unless otherwise provided elsewhere in the Contract Documents, all material and equipment incorporated into any Work covered by the Contract Documents shall be new and, where not specified, of the most suitable grade of their respective kinds for their intended use, and all workmanship shall be in accordance with construction practices acceptable to Owner and Project Consultant.
- 27.02 Unless otherwise provided in the Contract Documents, Contractor warrants all Work, equipment, materials and workmanship to be in accordance with the Contract Documents, any and all applicable codes, proper and workmanlike, first class and free from defects for a period of twelve (12) months (unless longer guarantees or warranties are provided for elsewhere in the Contract Documents in which case the longer periods of time shall prevail) from and after Final Completion of the Work under the Contract Documents, regardless of whether the same were provided or performed by Contractor or by any Subcontractor.
- 27.03 Contractor's warranty with respect to latent defects shall be in accordance with Chapter 95, Florida Statutes, and other applicable provisions of State law.
- 27.04 In the event of damage or injury to persons or property or other consequential or resultant damages result from Contractor's breach of any warranties, then the Contractor will be responsible for same.

ARTICLE 28. OFFICE SPACE FOR THE OWNER'S PERSONNEL.

- 28.01 The Contractor shall provide, at Contractor's expense, for the duration of the Work, a suitable lockable office for any Owner designated personnel.

ARTICLE 29. PROJECT RECORD DOCUMENTS AND SURVEY.

- 29.01 A marked up record set of the Contract Documents and other project records as required elsewhere within the Contract Documents will be kept up to date by the Contractor on the jobsite at all times. These documents will be given to the Project Consultant at the completion of the Work as required by the Contract Documents, and properly labeled as "Project Record Documents."
- 29.02 In addition to the "Project Record Documents", the Contractor will cause to have prepared by a Surveyor, registered in the State of Florida, a site survey clearly representing all Work done under this Contract and updating the original survey as may have been provided by the Owner.
- 29.03 The Contractor shall submit Project Record Documents and Survey in the manner and format specified elsewhere in the Contract Documents.
- 29.04 This is a critical item and final payment will be withheld from the Contractor until "Project Record Documents" and survey are provided by the Contractor and approved by the Project Consultant.

ARTICLE 30. SALVAGE.

- 30.01 Any salvage resulting from clearing, grubbing, grading, draining, remodeling or altering any existing facilities on this site shall be the property of the Owner; and this material shall be piled or stacked on the site if the Owner desires this material.

30.02 If this material is not desired by the Owner, it shall be disposed of by the Contractor at his expense.

ARTICLE 31. CLAIMS BY THE CONTRACTOR.

31.01 Although Contractor acknowledges the No Damage for Delay clause set forth in Article 6 of the Agreement between Owner and Contractor, in the event the Contractor is entitled to assert any other claim against Owner for any reason, claims by the Contractor against the Owner (except for claims asserted under Article 20 which are treated as set forth therein), are subject to the following terms and conditions:

31.01.01 All Contractor claims against the Owner shall be initiated by a written claim submitted to the Owner, c/o the City Engineer, and the Project Consultant. Such claim shall be received by the Owner and the Project Consultant no later than fifteen (15) calendar days after the event, or the first appearance of the circumstances causing the claim, and same shall set forth in detail all known facts and circumstances supporting the claim and the actual damages or injuries suffered;

31.01.02 The Contractor shall continue diligently with its performance hereunder regardless of the existence of any claims submitted by the Contractor;

31.01.03 In the event the Contractor seeks to make a claim, as a condition precedent to any such claim the Contractor shall strictly comply with the notice requirements above and such claim shall be made by the Contractor before proceeding to execute any additional or changed Work. Failure of the condition precedent to occur, i.e., providing notice as required in Article 31.01.01 above, shall constitute a complete waiver by the Contractor of any claim for additional compensation or extension of time. This written notice requirement may not be waived by verbal representations or the acts of representatives of the Owner or Project Consultant;

31.01.04 In connection with any claim by the Contractor against the Owner for compensation in excess of the Contract Price, any liability of the Owner for the Contractor's cost shall be strictly limited to direct cost of labor and materials incurred by the Contractor at the jobsite and shall in no event include indirect cost, overhead, loss of profit, or consequential damages of the Contractor. The Owner shall not be liable to the Contractor for claims of third parties including, but not limited to, subcontractors, suppliers, laborers, etc.

ARTICLE 32. CHANGE ORDERS.

32.01 One or more changes to the Work within the general scope of this Contract may be ordered by the Owner by Change Order, Project Consultant's Supplementary Instructions, and Construction Change Directives.

32.02 The Contractor shall proceed with any extra Work or changes which alter the Contract by adding to, or deducting from the Contract Sum or Contract Time in strict accordance with the following terms and conditions:

32.02.01 Change Order shall mean a written order to the Contractor executed by the Owner and the Project Consultant after execution of this Contract, directing a change in the Work and may include a change in the Contract Price or the time for the Contractor's performance, or any combination thereof;

32.02.02 Any change in the Contract Price or time resulting from a Change Order shall be determined as follows:

- a. By mutual agreement between the Owner and the Contractor as evidenced by (a) the change in the Contract Price or time being set forth in Change Order in accordance with Article 32.02.08 below, and (b) the execution of the Change Order; or,
- b. If no mutual agreement occurs between the Owner and the Contractor, the change in the Contract Price, if any, shall be derived based upon the Cost Plus Price basis (as set forth in Article 32.02.08 below) by determining the "total actual costs" (in accordance with Article 32.02.09 below), incurred

or savings achieved, resulting from revisions in the Work. Such total actual costs or savings shall include a component for direct jobsite overhead and profit but under no circumstances shall it include non-job site overhead expenses or costs or any other indirect costs or components. Any such costs or savings shall be documented in the format, and with such content and detail as the Owner or the Project Consultant requires. If agreement is not reached as to the change in time, Contractor shall be given a reasonable time based upon the scope of Work required by the change.

- 32.02.03 The execution of a Change Order by the Contractor shall constitute conclusive evidence of the Contractor's agreement to the ordered changes in the Work and the change in the Contract Price and the time for performance by the Contractor. The Contractor, by executing the Change Order, waives and forever releases any claim against the Owner for additional time or compensation for issues or matters relating to or arising out of or resulting from the Work included within or affected by the executed Change Order.
- 32.02.04 The Contractor shall notify and obtain the consent and approval of the Contractor's surety with reference to all Change Orders if such notice, consent or approval are required by the Owner, the Project Consultant, the Contractor's surety or by law. The Contractor's execution of the Change Order shall constitute the Contractor's warranty to the Owner that the surety has been notified of, and consents to, such Change Order and the surety shall be conclusively deemed to have been notified of such Change Order and to have expressly consented thereto, and that the penal sums of the performance and payment bonds furnished by Contractor and Surety are adjusted coextensively with the amount of the Change Order.
- 32.02.05 The Owner, without invalidating the Contract, may require the change for any reason whatsoever. All such Work shall be executed under the terms of the original Contract.
- 32.02.06 All change orders and adjustments shall be in writing and executed by the Contractor and Owner; otherwise, no claim for additional compensation or time will be allowed.
- 32.02.07 The amount of credit to be allowed by the Contractor to the Owner for a deletion or change which results in a net decrease in the Contract Sum shall be the total actual cost (as set forth in Article 32.02.09 below) saved as confirmed by the Project Consultant. The amount shall not include an amount for the overhead and profit of the Contractor which the Owner is not required to pay as a result of the deletion or decrease. When both additions and credits covering related Work or substitutions are involved in a change, the overhead and profit shall be calculated on the basis of net increase, if any, with respect to that change.
- 32.02.08 The value of any change ordered under the Contract for extra Work and/or any reductions in Work required, shall be determined under one or more of the following procedures before a written Change Order is issued.
- a. By **UNIT PRICES** named in the Contract or subsequently agreed upon by the Owner and the Contractor, which prices shall include Contractor's overhead and profit.
 - b. By **LUMP SUM PRICE** agreed upon actual reasonable costs and direct job site overhead by the Owner and the Contractor, which price shall include Contractor's overhead and profit but under no circumstances shall it include non job site overhead, expenses or costs or any other indirect costs; a breakdown of the estimated costs comprising the lump sum price may be required by the Project Consultant for his review. Percentage for overhead and profit shall be determined in accordance with the method listed for **COST PLUS PRICE**, subparagraph (c.) below.
 - c. By a **COST PLUS PRICE** based on total actual costs as defined in Article 32.02.09 below, plus an added percentage, all determined as follows:

OVERHEAD AND PROFIT:

JOB SITE OVERHEAD, including supervision and the furnishing, use and maintenance of small tools and ordinary equipment incidental to and required for the work of subcontractors (whether performed by them or others) shall be considered to be just and fully compensated for, by adding an amount equal to five percent (5%) of the sum of material costs (as defined under Article 34.08.09(a) below) and labor costs (as defined under Article 34.08.09(b) below), and rentals (as defined under Article 32.08.09(c) below). There shall be no compensation for any non job site overhead, expenses or costs.

PROFIT, may then be added by the subcontractor to the above material costs and labor costs, including the JOB SITE OVERHEAD allowance, at the rate of 10% of the sum of those costs.

JOB SITE OVERHEAD, including general supervision and the furnishing, use and maintenance of small equipment incidental to and required for the Work of the General Contractor (including that of his subcontractors) shall be considered to be just and fully compensated for by adding an amount equal to ten percent (10%) of the sum of material costs (as defined under Article 32.08.09(a) below) and labor costs (as defined under Article 32.08.09(b) below) and rentals (as defined under Article 32.08.09(c) below). There shall be no compensation for any non job site overhead expenses or costs.

PROFIT may then be added by the Contractor to the above material costs and labor costs, including the JOB-SITE OVERHEAD allowance, at the rate of five percent (5%) of the sum of those costs.

- d. BOND ALLOWANCE, for maintaining the Performance Bond at 100% of the contract amount, a sum of one percent (1%) of the total cost of the change, (including material, labor, overhead and profit, and equipment rentals) shall be allowed on all change orders.

32.02.09 The total actual costs of materials, labor and equipment rentals may include the following only:

- a. Material costs actually recorded by the Contractor and/or subcontractors as they are delivered to the site and as evidenced from originally receipted invoices, listing appropriate quantities and unit prices. Records in proper form shall be maintained and available to the Project Consultant at all times.
- b. Labor costs represented by the actual wages paid to all laborers, apprentices, journeymen, and foremen involved in and necessary to completing the particular construction operations, for each day and every hour such labor teams and foremen are actually employed and on the extra Work required, including the net cost of insurance, Social Security and Workmen's Compensation. The furnishing, use and maintenance of small tools and ordinary equipment normal to the work of individual workmen in the trades will be considered part of the labor costs. Records in proper form shall be maintained and available to the Project Consultant at all times.
- c. Rentals for special equipment or machinery such as power driven roller, tractors, trucks, shovels, drills, mixers, pumps, hoists, etc., required for the economical performance of the Work, at reasonable rental prices agreed upon before work commences, shall be allowed the Contractor and/or his subcontractors by the Project Consultant for each and every hour such special equipment is in use on the particular work.

32.02.10 The Contractor is obligated to proceed with the Work for a Change Order, even though there has not been an agreement reached with the Owner as to an adjustment to the Contract Price or time, and even if there is a dispute as to same. In such instances the Owner, City Engineer or Project Consultant will issue a Construction Change Directive to Contractor providing for the scope of work to be performed and the payment therefore based on 32.02.09 above. A Change Order or proposed Change Order shall not be the basis of the Contractor not performing pursuant to the Contract Documents.

- 32.02.11 The Contractor, Owner and Project Consultant shall administer and document the Change Order process by utilizing the documentation specified elsewhere in the Contract Documents, including a Construction Change Directive.
- 32.03 The Project Consultant will have authority to order minor changes in the Work not involving an adjustment to the Contract Sum or Contract Time and not inconsistent with the intent of the Contract Documents. Such changes shall be effected by written order of the Project Consultant and such changes shall be binding on the Owner and the Contractor.
- 32.04 The Owner has authorized the following approval thresholds for Change Orders in the Name of The City of Pompano Beach, Florida under its General Services Manual, the rules of which are incorporated below:
- A. The City Manager is authorized to approve change orders up to the cumulative total of 10 percent of the original construction contract amount, not to exceed \$75,000 in the aggregate.
 - B. When the cumulative total of all change orders on a project has exceeded the ceiling established in 32.04A above, all subsequent change orders will require prior City Commission approval, except in emergency cases as declared by the City Manager, or where the change order in question would be in the form of a credit, thereby reducing the adjusted contract amount.
 - C. Approval of change orders under this policy shall be for the purposes of expediting the work in progress and shall be confirmed by City Commission action at the next regular meeting of the City Commission.

ARTICLE 33. DISCOVERING AND CORRECTING DEFECTIVE OR INCOMPLETE WORK.

- 33.01 In the event that the Contractor covers, conceals or obscures its work in violation of this Contract or in violation of a directive from the Owner or the Project Consultant, such work shall be uncovered and displayed for the Owner's or Project Consultant's inspection upon request, and shall be reworked at no cost in time or money to the Owner.
- 33.02 If any of the work is covered, concealed or obscured in a manner not covered by Subparagraph (A) above, it shall, if directed by the Owner or the Project Consultant, be uncovered and displayed for the Owner's or Project Consultant's inspection. If the uncovered work conforms substantially with this Contract, the costs incurred by the Contractor to uncover and subsequently replace such work shall be borne by the Owner; otherwise, such costs shall be borne by the Contractor.
- 33.03 The Contractor shall, at no additional cost in money to the Owner or extension of time correct work rejected by the Owner or by the Project Consultant as defective or failing to conform to this Contract. Additionally, the Contractor shall reimburse the Owner for all testing, inspections and other expenses incurred as a result thereof.
- 33.04 In addition to its warranty obligations set forth elsewhere herein, the contractor shall be specifically obligated to correct any and all defective or nonconforming work for a period of twenty-four (24) months following final completion upon written direction from the Owner.
- 33.05 The Owner may, but shall in no event be required to, choose to accept defective or nonconforming work.
- 33.05.01 In such event, the Contract Price shall be reduced, at Owner's option, by the greater of (i) the reasonable costs of removing and correcting the defective or nonconforming work, or (ii) the difference between the fair market value of the Project as constructed and the fair market value of the Project had it not been constructed in such a manner as to include defective or nonconforming work.

- 33.05.02 If the remaining portion of the unpaid Contract Price, if any, is insufficient to compensate the Owner for the acceptance of defective or nonconforming work, the Contractor shall, upon written demand from the Owner, pay the owner such remaining compensation for accepting defective or nonconforming work.

ARTICLE 34. SAFETY, PROTECTION OF WORK AND PROPERTY.

- 34.01 Contractor shall be fully and solely responsible for conducting all operations under this Construction Contract at all times in such a manner as to avoid the risk of bodily harm to persons and damage to property. Contractor shall continuously and diligently inspect all Work, material and equipment to discover any conditions which might involve such risks and shall be solely responsible for discovery and correction of any such conditions.
- 34.02 Contractor shall instruct its personnel on the requirements of the Contractor's safety program and shall coordinate with other contractors and subcontractors on safety matters.
- 34.03 Contractor shall provide safety equipment and enforce the use of such equipment by its employees.
- 34.04 Contractor shall maintain accurate accident and injury reports and shall provide to Owner a monthly summary of injuries and man hours lost due to injuries.
- 34.05 Contractor shall maintain all portions of the Work in a neat, clean and sanitary condition at all times.
- 34.06 Contractor shall assure that all Subcontractors shall, without expense to Owner, comply with the foregoing.
- 34.07 Contractor shall comply with any and all rules, regulations, laws, etc., which apply to safety requirements, including but not limited to OSHA requirements.
- 34.08 Safety Precautions and Programs:
- 34.08.01 The Contractor shall be responsible for initiating, maintaining and supervising all safety precautions and programs in connection with the performance of the Contract.
- 34.08.02 In the event the Contractor encounters on the site material reasonably believed to be asbestos or polychlorinated biphenyl (PCB) which has not been rendered harmless, the Contractor shall immediately stop Work in the area affected and report the condition to the Owner and Project Consultant in writing. The Work in the affected area shall not thereafter be resumed except by written notice from the Owner. The Work in the affected area shall be resumed in the absence of asbestos or polychlorinated biphenyl (PCB), or when it has been rendered harmless, by written agreement of the Owner, Contractor and Project Consultant.
- 34.08.03 The Contractor shall not be required to perform without consent any Work relating to asbestos or polychlorinated biphenyl (PCB).
- 34.09 Safety of Persons and Property
- 34.09.01 The Contractor shall take reasonable precautions for safety of, and shall provide reasonable protection to prevent damage, injury or loss to:
- a. Employees on the Work and other persons who may be affected thereby;
 - b. The Work and materials and equipment to be incorporated therein, whether in storage on or off the site, under care, custody or control of the Contractor or the Contractor's Subcontractors or Sub-subcontractors; and
 - c. Other property at the site or adjacent thereto, such as trees, shrubs, lawns, walks, pavements, roadways, structures and utilities not designated for removal, relocation or replacement in the course of construction.

- 34.09.02 The Contractor shall give notices and comply with applicable laws, ordinances, rules, regulations and lawful orders of public authorities bearing on safety of person or property or their protection from damage, injury or loss.
- a. The Contractor and his Subcontractors shall comply with and conform in all respects to the standard set forth in the Occupational Safety and Health Act (OSHA) of 1970.
 - b. The Contractor shall prominently post and maintain on the jobsite:
 - 1) OSHA 200: Log and summary of occupational injuries and illnesses.
 - 2) OSHA 2203: Provisions of the Act poster.
- 34.09.03 The Contractor shall implement and maintain a continuing safety program applicable to all Contractor employees, Subcontractors, and Sub-subcontractors, to include:
- a. Designating a responsible member of the Contractor's organization at the site as the Contractor's "Safety Officer" whose duty shall be the prevention of accidents, safety inspections, and accident documentation. This person shall be the Contractor's superintendent unless otherwise designated by the Contractor in writing to the Owner and the Project Consultant.
 - b. Holding weekly safety meetings with employees and Subcontractors.
 - c. Implementing OSHA Voluntary Protection Programs.
 - d. Ensuring the presence of an American Red Cross (or other organization acceptable to the Owner) certified Cardiopulmonary Resuscitation (CPR) and first-aid trained individual on site at all times.
 - e. Compliance with the Drug Free Work Place Act of 1988, the Federal Omnibus Transportation Employee Testing Act of 1991, and the certification of compliance with the same as required by the Owner in Document 00457, Drug-Free Workplace Certification.
 - f. Erecting and maintaining reasonable safeguards for safety and protection, including posting danger signs and other warnings against hazards, promulgating safety regulations and notifying owners and users of adjacent sites and utilities.
 - g. Ensuring that employees are not discriminated against or discharged for filing reasonable safety or health complaints or for otherwise exercising their rights in these regards.
- 34.09.04 When use of hazardous materials or equipment or unusual methods are necessary for execution of the Work, the Contractor shall exercise utmost care and carry on such activities under supervision of properly qualified personnel.
- 34.09.05 The Contractor shall promptly remedy damage and loss (other than damage or loss insured under property insurance required by the Contract Documents) to properly caused in whole or in part by the Contractor, a Subcontractor or a Sub-subcontractor, or anyone directly or indirectly employed by any of them, or by anyone for whose acts they may be liable and for which the Contractor is reasonable, except damage or loss attributable to acts or omissions of the Owner or Project Consultant or anyone directly or indirectly employed by either of them, or by anyone for whose acts either of them may be liable, and not attributable to the fault of negligence of the Contractor.
- 34.09.06 The Contractor shall not load or permit any part of the construction or site to be loaded so as to endanger its safety.

- 34.09.07 Building materials, Contractor's equipment and other supplies may be stored on the premises, but the placing of same shall be in substantial, watertight storage sheds upon the premises where directed in which he shall store all materials which would be damaged by weather. This shall in no manner relieve the Contractor from full responsibility for such materials. Sheds and other storage structures must be secured and anchored in a manner sufficient to withstand hurricane force winds as defined by applicable codes but not less than a 120 mile per hour wind uplift force.
- 34.10 **Emergencies:** In an emergency affecting safety of persons or property, the Contractor shall act, at the Contractor's discretion, to prevent threatened damage, injury or loss.

ARTICLE 35. ROYALTIES AND PATENTS.

- 35.01 The Contractor shall pay all royalties and license fees.
- 35.02 The Contractor shall be responsible for all infringement of patent rights and shall assume the defense, including payment of attorney fees and costs, of any suit brought against Contractor and/or Owner for infringement of any United States patent or for wrongful use of proprietary information of any third party.
- 35.03 Contractor hereby indemnifies and shall defend and hold harmless Owner and its representatives, respectively, from and against all claims, losses, costs, damages, and expenses, including attorney's fees, incurred by Owner and its representatives, respectively, as a result of or in connection with any claims or actions based upon infringement or alleged infringement of any patent, and arising out of the use of the equipment or materials provided under this Construction Contract by Contractor, or out of the process of actions employed by, or on behalf of Contractor in connection with the performances of this Construction Contract. Contractor shall, at its sole expense, promptly defend against any such claim or action unless directed otherwise by Owner or its representatives; provided that Owner or its representatives shall have notified Contractor upon becoming aware of such claims or actions, and provided further, that Contractor's aforementioned obligations shall not apply to equipment, materials, or processes furnished or specified by Owner or its representatives.
- 35.04 Contractor shall have the right, in order to avoid such claims or actions, to substitute at its expense non-infringing equipment, materials, or processes, or to modify such infringing equipment, materials and processes so they become non-infringing, or obtain the necessary licenses to use the infringing equipment, materials or processes, provided that such substituted and modified equipment, materials and processes shall meet all the requirements and be subject to all the provisions of the Contract Documents.
- 35.05 The indemnification pursuant to Florida Statute 725.06 and other Florida laws, etc., shall have a separate consideration of \$1.00, receipt of which is hereby acknowledged and incorporated into the project sum. This is incorporated by reference into the ~~Bid~~-Documentation and Specifications if any.

ARTICLE 36. TAXES.

- 36.01 Contractor shall pay all taxes, levies, duties and assessments of every nature which may be applicable to any Work under this Contract.
- 36.02 The Contract Sum and any agreed changes thereto shall include all taxes imposed by law. Contractor shall make any and all payroll deductions as required by law.
- 36.03 Contractor herein indemnifies and holds the Owner harmless from any liability on account of any and all such taxes, levies, duties, assessments and deductions.

ARTICLE 37. INDEMNITY AND HOLD HARMLESS.

- 37.01 To the fullest extent permitted by law, the Contractor shall defend, indemnify and hold harmless the Owner, its agents and employees and each of them hereinafter collectively referred to as the Owner, from and against any and all judgments, demands, claims, causes of action, liability, expenses, losses, costs, fines, and

damages (including reasonable attorney's fees and expert's fees) of every kind and character brought against the Owner by any person, party or entity of any kind or nature whatsoever arising out of, incident to, relating or regarding the Contractor's performance under this Agreement, the condition of the premises, and/or the Contractor's acts of omission or commission.

- 37.02 Contractor, however, shall not be responsible to Owner for damages resulting out of bodily injury or damages to property which a Court of competent jurisdiction determines as being attributed to the negligence of Owner, its respective agents, servants, employees or officers.
- 37.03 Said indemnifications by Contractor shall be extended to include all "Subcontractors", deliverers, suppliers, furnishers of material or anyone acting for, on behalf of, or at the request of the Contractor.
- 37.04 Contractor recognized the broad nature of this indemnifications and hold harmless clause and voluntarily makes this covenant and expressly acknowledge the receipt of Ten (\$10.00) Dollars, which payment is incorporated into the Contract Sum, and such other good and valuable consideration provided by Owner in support of this indemnification in accordance with the laws of the State of Florida.
- 37.05 This clause shall survive termination of this Agreement and pursuant to Florida Statute 725.06 be incorporated by reference into any and all ~~Bid~~ Documentation or Specifications.

ARTICLE 38. TERMINATION BY THE CONTRACTOR.

- 38.01 If the Owner repeatedly fails to perform its material obligations to the Contractor for a period of 30 days after receiving written notice from the Contractor of its intent to terminate hereunder, the Contractor may terminate performance under this Contract by written notice to the Owner and the Project Consultant.
- 38.02 In such event, the Contractor shall be entitled to recover from the Owner as though the Owner had terminated the Contractor's performance for convenience pursuant to the terms and conditions of this Contract.

ARTICLE 39. OWNER'S RIGHT TO SUSPEND CONTRACTOR'S PERFORMANCE.

- 39.01 The Owner shall have the right at any time to direct the Contractor to suspend its performance, or any designated part thereof, for any reason whatsoever, or without reason. If any such suspension is directed by the Owner, the Contractor shall immediately comply with same;
- 39.02 In the event the Owner directs a suspension of performance under this Paragraph through no fault of the Contractor, the Owner shall pay the Contractor as full compensation for such suspension the Contractor's reasonable costs, actually incurred and paid, of the following items only:
- 39.02.01 Demobilization and remobilization, including such costs paid to subcontractors;
- 39.02.02 Preserving and protecting Work in place;
- 39.02.03 Storage of materials or equipment purchased for the Project, including insurance thereon;
- 39.02.04 Performing in a later, or during a longer, time frame than that contemplated by this Contract.

ARTICLE 40. TERMINATION BY THE OWNER.

- 40.01 The Owner may, at the Owner's option, for any reason and at any time terminate for convenience, any work under this Contract, in whole or, from time to time, in part, in accordance with the following terms and conditions:
- 40.02 The Owner shall give written notice of such termination to Contractor 7 days before it becomes effective.

- 40.02.01 The Contractor shall incur no further obligations in connection with the Work and the Contractor shall stop work when such termination becomes effective.
- 40.02.02 The Contractor shall also terminate outstanding orders and subcontracts.
- 40.02.03 The Contractor shall settle the liabilities and claims arising out of the termination of subcontracts and orders.
- 40.02.04 The Owner may direct the Contractor to assign the Contractor's right, title and interest under termination orders or subcontracts to the Owner or its designee.
- 40.02.05 The Contractor shall transfer title and deliver to the Owner such completed or partially completed Work and materials, equipment, parts, fixtures, information and Contract rights as the Contractor has.
- 40.02.06 When terminated for convenience, the Contractor shall be compensated as follows:
- a. The Contractor shall submit a termination claim within one year to the Owner and the Project Consultant specifying the amounts due because of the termination for convenience together with costs, pricing or other data required by the Owner or the Project Consultant. If the Contractor fails to file a termination claim with the Owner's Project Consultant within one (1) year from the effective date of termination, the Owner shall have no further obligation to the Contractor and Contractor waives any and all rights for compensation based upon the termination.
 - b. The Owner and the Contractor may agree to the compensation, if any, due to the Contractor hereunder;
 - c. Absent agreement to the amount due to the Contractor, the Owner shall pay the Contractor the following amounts:
 1. Contract prices for labor, materials, equipment and other services accepted under this Contract;
 2. Reasonable costs incurred in preparing to perform and in performing the terminated portion of the Work, and in terminating the Contractor's performance, plus a fair and reasonable allowance for direct jobsite overhead (and not home office or other overhead) and profit thereon (such profit shall not include anticipated profit or consequential damages); provided, however, that if it appears that the Contractor would have not profited or would have sustained a loss if the entire Contract would have been completed, no profit shall be allowed or included and the amount of compensation shall be reduced to reflect the anticipated rate of loss, if any;
 3. Reasonable costs of settling and paying legitimate claims arising out of the termination of subcontractors or orders pursuant to this Paragraph. These costs shall not include amounts paid in accordance with other provisions hereof.
 4. The total sum to be paid the Contractor under this Subparagraph shall not exceed the total Contract Price, as properly adjusted, reduced by the amount of payments otherwise made, and shall in no event include duplication of payment.
- 40.03 The Owner may terminate this Contract for cause in accordance with the following terms and conditions:
- 40.03.01 If the Contractor does not perform the Work, or any part thereof, in a timely manner, supply adequate labor, supervisory personnel or proper equipment or materials, or if it fails to timely discharge its obligations for labor, equipment and materials or proceeds to disobey applicable law, or otherwise commits a violation of a material provision of this Contract, then the Owner, in addition to any other rights it may have against the Contractor or others, may terminate the performance of the Contractor for cause upon seven (7) day written notice and assume possession of the Project site and of all materials and equipment at the site and may complete the Work.

- 40.03.02 In such case, the Contractor shall not be paid further until the Work is complete.
- 40.03.03 After final completion has been achieved, if any portion of the Contract Price (as it may be modified hereunder) remains after the cost to the Owner of completing the Work, including all costs and expenses of every nature incurred, has been deducted by the Owner, such remainder shall be paid to the Contractor. Otherwise, the Contractor shall pay the Owner any and all costs, fees, damages or expenses which the Owner has paid or is obligated to pay in excess of the contract price (as it may be modified hereunder). This obligation for payment shall survive the termination of the Contract. In the event the employment of the Contractor is terminated by the Owner for cause pursuant to this Subparagraph and it is subsequently determined by a Court of competent jurisdiction that such termination was without cause, such termination shall thereupon be deemed a Termination for Convenience and the terms of Article 40.02 shall apply.

ARTICLE 41. CONTRACTOR'S INSURANCE

- 41.01 The Contractor shall maintain such insurance as will protect the Contractor and Owner from claims under Workmen's Compensation Acts, and from any other claims or damages for personal injury, including death and property damage, which may arise from operations under this Contract, whether such operations be by himself or by any subcontractor or anyone directly or indirectly employed by either, as more fully set forth below and in the amounts provided herein. Prior to commencement of the Work, all Certificates of Insurance executed by authorized representatives of the insurance company shall be filed with the Owner and shall be subject to its approval for accuracy of protection. In addition, the Owner may at any time require that Contractor or its insurer provide any other documentation regarding insurance to Owner including, but not limited to, the policy. The Contractor shall not commence Work under this Contract until the provisions of this paragraph have been complied with. Owner may withhold payments due to Contractor in accordance with this Contract or terminate or suspend this Contract with all costs or expenses associated with same to be paid by Contractor in the event Contractor fails to comply with any requirement in the Contract regarding insurance. In the event of cancellation of any policy, Contractor is obligated to immediately notify Owner of same and obtain policy(s) in accordance with the Contract Documents.
- 41.02 Contractor shall comply with any and all insurance obligation required by law, rules, regulations, etc., including but not limited to those required by State Regulations for Educational Facilities.
- 41.03 The Contractor will be required to provide a Certificate of Insurance indicating that Workers' Compensation has been provided for all employees in compliance with Chapter 440, Florida Statutes.
- 41.04 The Contractor shall procure and carry Comprehensive General Liability insurance including contractual and indemnification liability covering this Contract and Products/Completed Operations Liability Insurance covering personal injury and bodily injury in limits of not less than \$1,000,000 for injury or death to any one person and not less than \$2,000,000 each occurrence; and shall carry insurance against property damage in limits of not less than \$1,000,000 per claimant and \$2,000,000 per occurrence as a minimum coverage. The Contractor shall also procure and carry Owner's and Contractor's protective liability insurance. In the event that work to be performed hereunder by Contractor involves the removal and disposal of asbestos-related materials, Contractor shall, in addition to the foregoing coverages, also provide and carry Asbestos Liability-Occurrence form only, with \$1,000,000 per occurrence, \$2,000,000 aggregate. All insurance shall name the Owner as an additional insured, and shall remain in full force and effect for two (2) years following Contractor's completion of the work.
- 41.05 The Contractor shall carry at no additional expense to the Owner, Builders' Risk Insurance for the perils of fire, vandalism, malicious mischief and those included in extended coverage in the amount of one hundred percent (100%) of the values at risk. Such policies shall be written to protect the Contractor and the Owner as their interest may appear.

- 41.06 All Contractors shall maintain automobile liability insurance against bodily injury and property damage in at least the amounts of one million dollars (\$1,000,000) per claimant, one million dollars (\$1,000,000) per occurrence.
- 41.07 The insurance coverage amounts provided for in this Section are the minimum required insurance amounts. The Owner may require additional insurance or coverage on a case-by-case basis. Any insurance or coverage amounts in addition to those provided for herein shall be specified in the Contract Documents.
- 41.07 The Owner is not maintaining any insurance on behalf of Contractor covering against loss or damage to the Work or to any other property of Contractor. In the event Contractor maintains insurance against physical loss or damage to Contractor's construction equipment and tools, such insurance shall include an insurer's waiver or rights of subrogation in favor of Owner.
- 41.08 The requirements contained herein as to types and limits, as well as Owner's approval of insurance coverage to be maintained by Contractor, are not intended to and shall not in any manner limit or qualify the liabilities and obligations assumed by Contractor under the Contract.
- 41.09 The policies of such insurance in force, shall be issued by companies qualified to do business in the State of Florida and be acceptable to the Owner and shall provide that the Owner be given thirty (30) days advance written notice of the cancellation, expiration or any material change in the coverage afforded thereunder. The companies must be rated at least A-VI by AM Best or Aa3 by Moody's Investor Service. All policies must remain in effect during performance of the Work and for a period of one year after final completion.
- 41.10 Uninsured Claims. If any action by any person, firm or corporation is brought or threatened against the Owner or against the Contractor and the Owner for any alleged loss, damage or injury arising out of or in the consequence of the performance or nonperformance of the Contract which, in the reasonable opinion of the Owner, may not be covered by the contingent liability, public liability or property damage insurance policy, or, which together with other such actions or claims seeks a recovery in excess of the amount payable under such policies, the amount of such recovery sought or so much thereof as the Owner reasonably deems necessary, may be withheld by the Owner from any money due the Contractor. The Owner in its sole discretion may permit the Contractor to substitute other satisfactory security in lieu of the monies so withheld. If the liability of the Owner is determined by judgment or award of a court or other tribunal of competent jurisdiction, or if such recovery sought shall have been admitted by the Contractor to be valid, the Owner may pay such judgment, award of admitted recovery out of the monies retained by the Owner under the provisions of this subparagraph and return the remaining balance, if any, to the Contractor.
- 41.11 Adequate funds shall be retained for the insurance costs listed in the Schedule of Values attached to the Contractor's respective Applications for Payment to account for insurance coverage renewals on multi-year projects coupled with invoices to substantiate the annual costs.

ARTICLE 42. PERFORMANCE BOND AND PAYMENT BOND

- 42.01 For a Project with an estimated cost of \$200,000.00 or more, the Contractor shall furnish bonds covering faithful performance of the Contract and payment of obligations arising thereunder as specifically required in the Contract Documents on the date of execution of the Contract.

ARTICLE 43. RIGHT TO AUDIT PROVISIONS

- 43.01 Contractor's records which shall include but not be limited to accounting records, written policies and procedures, computer records, disks and software, videos, photographs, subcontract files (including proposals of successful and unsuccessful bidders), originals estimates, estimating worksheets, correspondence, change order files (including documentation covering negotiated settlements), and any other supporting evidence necessary to substantiate charges related to this contract (all the foregoing

hereinafter referred to as "records") shall be open to inspection and subject to audit and/or reproduction, during normal working hours, by Owner's agent or its authorized representative to the extent necessary to adequately permit evaluation and verification of any invoices, payments or claims submitted by the contractor or any of his payees pursuant to the execution of the contract. Such records subject to examination shall also include, but not be limited to, those records necessary to evaluate and verify direct and indirect costs (including overhead allocations) as they may apply to costs associated with this contract.

- 43.02 For the purpose of such audits, inspections, examinations and evaluations, the Owner's agent or authorized representative shall have access to said records from the effective date of this contract, for the duration of the Work, and until 5 years after the date of final payment by Owner to Consultant pursuant to this contract.
- 43.03 Owner's agent or its authorized representative shall have access to the Contractor's facilities, shall have access to all necessary records, and shall be provided adequate and appropriate work space, in order to conduct audits in compliance with this article. Owner's agent or its authorized representative shall give auditees reasonable advance notice of intended audits.
- 43.04 Contractor shall require all subcontractors, insurance agents, and material suppliers (payees) to comply with the provisions of this article by insertion of the requirements hereof in any written contract agreement. Failure to obtain such written contracts which include such provisions shall be reason to exclude some or all of the related payees' costs from amounts payable to the Contractor pursuant to this contract.
- 43.05 If an audit inspection or examination in accordance with this article, discloses overcharges (of any nature) by the Contractor to the Owner in excess of 10% percent of the total contract billings, the actual cost of the Owner's audit shall be paid by the Contractor.

ARTICLE 44. LAWS AND REGULATIONS

- 44.01 Contractor and its employees and representative shall at all times, comply with all applicable laws, ordinances, statutes, rules and regulations in effect at the time Work is performed pursuant to the Contract Documents.
- 44.02 If, during the term of this Construction Contract, there are any changed or new laws, ordinances or regulations not in existence at the time of signing this Construction Contract which become effective and which affect the cost or time of performance of the Construction Contract, Contractor shall within fifteen (15) days of the discovery of said law, ordinance or regulation, notify Owner in writing and submit detailed documentation of such effect in terms of both time and cost of performing the Construction Contract. Upon concurrence by Owner as to the effect of such changes, an adjustment in the compensation and/or time of performance may be made at Owner's discretion.
- 44.03 If any discrepancy or inconsistency should be discovered between the Contract Documents and any law, ordinance, regulation, order or decree, Contractor shall within fifteen (15) days of discovery of same report the same in writing to Owner who will issue such instructions as may be necessary.

ARTICLE 45. DISPUTE RESOLUTION.

- 45.01 The Owner and Contractor agree that, in the event of a dispute, the parties will attempt to resolve such dispute without litigation and that resolution through mediation procedures will be encouraged.
- 45.02 The existence of a dispute between the parties shall not be the basis of the Contractor unilaterally electing not to continue performance pursuant to the terms of the Contract Documents.

ARTICLE 46. GOVERNING LAW AND ATTORNEYS FEES.

- 46.01 The Construction Contract shall be governed by the laws of the State of Florida.

- 46.02 In the event either party institutes litigation regarding or relating to this Contract or for breach of any of its terms all litigation and appeals shall have venue in Broward County, Florida or in the U.S. District Court for the Southern District of Florida.
- 46.03 To the fullest extent permitted by law, Owner, Contractor, and Contractor's Surety do hereby each waive the right to trial by jury in any action or proceeding, including any counterclaims/crossclaims/third (or more remote) party complaints which may be brought by Owner, Contractor, or Surety, jointly and/or severally, arising out of or in any way related to this Construction Contract and/or attendant suretyship including, without limiting the generality thereof, any claim for damages resulting from any act or omission of Owner, Contractor, or Surety, jointly or severally, in any way connected with this Construction Contract.

ARTICLE 47. RIGHTS AND REMEDIES.

- 47.01 The duties and obligations imposed by the Contract Documents and the rights and remedies available thereunder shall be in addition to and not a limitation of any duties, obligations, rights and remedies otherwise imposed or available by law.

ARTICLE 48. SUCCESSORS, ASSIGNS AND ASSIGNMENT.

- 48.01 The Owner and the Contractor each binds itself, its partners, successors, assigns and legal representatives to the other party in respect to all covenants, agreements and obligations contained in the Construction Contract. It is agreed that the Contractor shall not assign, transfer, convey or otherwise dispose of the contract or its right, title and interest in and to the same or any part thereof, without previous consent of the Owner and concurred to by the Sureties.
- 48.02 If requested by Owner the Contractor agrees to assign all Subcontracts required for performance of this Contract to the Owner upon the Owner or Project Consultant's determination that Contractor has defaulted under the Contract Documents. The Contractor shall include in all Subcontracts, equipment leases and purchase orders a provision requiring the subcontractor, equipment lessor or supplier, in the event of Contractor's default under this Contract, to consent to the assignment of their subcontracts to the Owner.

ARTICLE 49. PUBLIC RECORDS.

- 49.01 A. The City of Pompano Beach is a public agency subject to Chapter 119, Florida Statutes. The Contractor shall comply with Florida's Public Records Law, as amended. Specifically, the Contractor shall:
- a. Keep and maintain public records required by the City in order to perform the service;
 - b. Upon request from the City's custodian of public records, provide the City with a copy of requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in Chapter 119, Florida Statutes or as otherwise provided by law;
 - c. Ensure that public records that are exempt or that are confidential and exempt from public record requirements are not disclosed except as authorized by law;
 - d. Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the contract term and following completion of the contract if the Contractor does not transfer the records to the City; and
 - e. Upon completion of the contract, transfer, at no cost to the City, all public records in possession of the Contractor, or keep and maintain public records required by the City to perform the service. If the Contractor transfers all public records to the City upon completion of the contract, the Contractor shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If the Contractor keeps and maintains public records upon

completion of the contract, the Contractor shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to the City, upon request from the City's custodian of public records in a format that is compatible with the information technology systems of the City.

- 49.02 The failure of Contractor to comply with the provisions set forth in this Article shall constitute a Default and Breach of this Agreement and the City shall enforce the Default in accordance with the provisions set forth in Article 40.

PUBLIC RECORDS CUSTODIAN

IF THE CONTRACTOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONTRACTOR'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT:

CITY CLERK

100 W. Atlantic Blvd., Suite 253

Pompano Beach, Florida 33060

(954) 786-4611

RecordsCustodian@copbfl.com



Youngquist Brothers, Inc.
15465 Pine Ridge Road
Fort Myers, FL 33908
Ph (239) 489-4444/ Fax (239) 489-4545

October 8, 2018

Mr. A. Randolph Brown
Utilities Director
City of Pompano Beach, FL
1205 N.E. 5th Avenue
Pompano Beach, FL 33060

Via E-Mail: randolph.brown@copbfl.com

Price Proposal for Class I Injection Well

Mr. Brown,

Youngquist Brothers Inc. (YBI) is pleased to have the opportunity to submit this price proposal for the construction of a replacement Class I Injection Well at the Cities Water Treatment Plant.

YBI's price covers all elements of well drilling construction as detailed in the FDEP UIC permit application for IW-1R and specifications provided by the Cities consultant, Stantec, Inc.

YBI's proposed, Not-To-Exceed Total Price is **\$6,999,995.00**

Generally, the well will be constructed with the quantities of materials, and testing protocol as detailed in the attached schedule of values (SOV). In addition, the SOV will be used as a format to determine the value of monthly payments. In no event shall the total payment for work covered in our scope of work exceed the NTE price quoted above. The value of items unbilled upon project completion will be invoiced up to the NTE Total price.


YBI's price is contingent upon receiving a limited Notice to Proceed (NTP) authorizing purchase of the steel casings and commencement of site work, establishing office facilities, power and water for the site, and other preparatory functions.

Upon issuance of the FDEP UIC Permit for IW-1R a full Notice to Proceed will be issued and construction of the well will commence.

YBI's offer is contingent upon acceptable Contract Terms, Conditions and Schedule.

We look forward to working with the City and anticipate your early response.

Sincerely,


YOUNGQUIST BROTHERS, INC.
C.W. (Bill) Musselwhite
Sr. Vice President



CITY OF POMPANO BEACH
P.O. Drawer 1300

Pompano Beach, FL 33061

		< ~ PAY APPLICATION			PROJECT	POMPANO - DEEP INJECTION WELL 1-R				
		< ~ APPLICATION DATE			PROJECT #					
		< ~ PERIOD ENDING			CONTRACTOR	YOUNGQUIST BROTHERS, INC.				
A		B	C	D	E	F	G	H	I	J
ITEM		DESCRIPTION	QTY	UNIT	\$ / UNIT	PERIOD QTY	PERIOD TOTAL	PREVIOUS QTY	TOTAL QTY	TO DATE
		INJECTION WELL IW-1R	TOTAL NTE LUMP SUM PRICE = \$ 6,999,995.00							
		Incremental Payment Breakdown								
1A		Mobilization (a) Site Prep, Trailers, Electric & Water	1	LS	\$ 500,000.00		\$ -			\$ -
1B		Mobilization (b) Drill Rig, Mud system erected, ready	1	LS	\$ 1,000,000.00		\$ -			\$ -
2		Demobilization	1	LS	\$ 247,995.00		\$ -			\$ -
3		Drilling Nominal 54" Borehole	160	LF	\$ 350.00		\$ -			\$ -
4		Furnish & Install 50" Casing	160	LF	\$ 300.00		\$ -			\$ -
5		MILESTONE 1: 50" Casing Installed	1	LF	\$ 50,000.00		\$ -			\$ -
6		Drilling 50" Borehole	840	LF	\$ 300.00		\$ -			\$ -
7		Furnish & Install 42" Casing	1000	LF	\$ 300.00		\$ -			\$ -
8		MILESTONE 2: 42" Casing Installed	1	LS	\$ 300,000.00		\$ -			\$ -
9		Drilling 12.25" Pilot Hole	1,000	LF	\$ 240.00		\$ -			\$ -
10		Drilling 42" Borehole	1000	LF	\$ 200.00		\$ -			\$ -
11		Furnish & Install 34" Casing	2000	LF	\$ 200.00		\$ -			\$ -
12		MILESTONE 3: 34" Casing Installed	1	LS	\$ 400,000.00		\$ -			\$ -
13		12.25" Pilot Hole	1000	LF	\$ 300.00		\$ -			\$ -
14		Drilling 34" Borehole	290	LF	\$ 200.00		\$ -			\$ -
15		Furnish & Install 24" Casing	2,290	LF	\$ 150.00		\$ -			\$ -
16		MILESTONE 4: 24" Casing Installed	1	LS	\$ 400,000.00		\$ -			\$ -
17		Drilling 24" Borehole	500	LF	\$ 150.00		\$ -			\$ -
18		Furnish & Install 16" FRP Tubing	2,285	LS	\$ 300.00		\$ -			\$ -
19		MILESTONE 5: 16" FRP Tubing Installed	1	LS	\$ 400,000.00		\$ -			\$ -
20		Injection Test	1	LS	\$ 100,000.00		\$ -			\$ -
21		Rock Cores & Analysis	12	EA	\$ 7,000.00		\$ -			\$ -
22		Straddle Packer Test & Fluid Samples	10	EA	\$ 20,000.00		\$ -			\$ -
23		Furnish & Place Mixed Cement	30,000	CF	\$ 12.00		\$ -			\$ -
		TOTAL BILLED THROUGH CURRENT STAGE OF COMPLETION =					\$ -			\$ -
		PAYMENT EQUALIZATION / BILLED UPON COMPLETION			\$ 6,999,995.00	< tbd				\$ 6,999,995.00
		[+ or - to equal NTE Lump Sum Price]								
		LS = Lump Sum, LF = Linear Foot, EA = Each, CF = Cubic Foot					TOTAL BILLED TO DATE :			\$ 6,999,995.00

Bond No. _____

Performance Bond

Project No:
Project Title:

KNOW ALL PERSONS BY THESE PRESENTS, that:

as Principal, and

a corporation duly authorized to transact business in the State of Florida, as Surety, are held and firmly bound unto The City of Pompano Beach, Florida, a body Corporate and politic under the laws of Florida, in the sum of:

(Written Amount)

(Figures)

good and lawful money of the Unites States, well and truly to be paid, and for the payment whereof, we the undersigned, Principal and Surety, jointly and severally, hereby firmly bind ourselves, our heirs, assigns, successors, and legal representatives.

WHEREAS, the above bounded Principal (hereafter alternately referred to as “Contractor”) did on

enter into a Contract with the said The City of Pompano Beach, Florida (hereafter alternately referred to as “Owner”) a body corporate and politic as aforesaid, in and by which the said above bounded Principal did undertake and agree to furnish all labor, implements, machinery, equipment, tools and materials necessary therefore and to install, build, erect, construct the project named above in accordance with the certain plans and specifications prepared by:

to which plans and specifications and said contract reference is here made and all thereof made a part hereof as if fully set forth herein.

WHEREAS, it was one of the conditions of the award of said contract with The City of Pompano Beach, Florida that these presents should be executed.

NOW THEREFORE, the conditions of this obligation are such that if the above bounded Principal shall in all aspects fully comply with, carry out and perform the terms and conditions of said contract and his obligations thereunder, including the Specifications, Proposal, Plans and Contract Documents therein referred to and made a part hereof, and therein provided for and shall indemnify and save harmless The City of Pompano Beach, Florida against and from all costs, expenses, damages, injury, or be subjected by reason of any wrongdoing, misconduct, want of care or skill, negligence, or default, including patent infringement on the part of said Principal or his agents, employees or subcontractors, in the execution or performance of said contract and shall promptly pay all just claims for damages or injury to property and for all work done or skill, tools, and machinery, supplies, labor, and materials furnished and debts incurred by said principal in or about the construction or improvements or additions contracted for, then this obligation to be void, otherwise, to remain in full force and effect.

Whenever Contractor shall be, and declared by the Owner to be in default under the Contract, the Surety may promptly remedy the default, or shall promptly:

1. Complete the Contract in accordance with its terms and conditions: or
2. Obtain a bid or bids for completing the Contract in accordance with its terms and conditions, and upon determination by Surety of the lowest responsible Bidder, or, if the Owner elects, upon determination by Owner and Surety jointly of the lowest responsible Bidder, arrange for a contract between such Bidder and Owner, and make available as work progresses (even though there should be a default or a succession of defaults under the Contract or Contracts of completion arranged under this paragraph) sufficient funds to pay the cost of completion less the balance of the Contract Price; but not exceeding, including other costs and damages for which the Surety may be liable hereunder, the amount set forth in the first paragraph hereof. The term "balance of the Contract Price," as used in this paragraph, shall mean the total amount payable by Owner to Contractor under the Contract and any amendments thereto, less the amount properly paid by Owner to Contractor.

To the limit of the amount of this Bond, Surety's liability to Owner shall include but not be limited to, the cost of the completion of the construction contract and correction of defective work before or after completion of the construction contract; additional legal, design professional, and liquidated damages as specified in the Contract Documents arising out of and in connection with Principal's default and Surety's actions, inactions, and all costs incident to ascertaining the nature and extent of the Principal's default, including engineering, accounting and legal fees.

And the said Surety to this Bond, for value received, hereby stipulates and agrees that no change, extension of time, alterations or additions to the terms of the contract or to the work to be performed thereunder or the specifications accompanying same shall in any way affect its obligation on this Bond, and it does hereby waive notice of any such change, extensions of the time, alteration or addition to the terms of the contract or to the work or to the specifications. Additionally, Surety hereby stipulates and agrees that the bond penalty set forth above shall automatically increase coextensively with any Owner approved change orders which increase the overall contract amount.

Contractor shall give written notice to Owner of any alleged default by the Owner under the Construction Contract. Owner shall have not less than ninety (90) days after receipt of such notice to cure such default before the surety is allowed to assert the default as a defense against Owner. The only types of default that may be asserted against Owner shall be monetary defaults. The surety waives any defense of timeliness of completion if time extensions are granted by the Owner to the Construction Contractor.

No right of action shall accrue on this Bond to any person or entity other than the Owner or its heirs, executors, administrators, successors or assigns. Any suit under this Bond must be instituted within five (5) years from the date the cause of action accrued.

IN TESTIMONY WHEREOF, the Principal and Surety have caused these presents to be duly signed in, at Pompano Beach, Broward County, Florida, this

_____ day of _____

Countersigned By:

Contractor:

By: (Signature) _____

(SEAL)

Surety:

**(SEAL OF
SURETY)**

By: _____
Address: _____

Bond No. _____

PAYMENT BOND FORM

Project No:

Project Title:

Facility Name:

BY THIS BOND, WE, _____, as Principal,

and _____, a corporation, as Surety, are bound to
The City of Pompano Beach, Florida, herein called "Owner", in the sum of :

(Written Amount)

(Figures)

for the payment of which we bind ourselves, our heirs, personal representatives, successors, and assigns,
jointly and severally. This Payment Bond is intended to be governed by 255.05, F.S.

THE CONDITION OF THIS BOND is that if Principal:

1. Promptly makes payments to all lienors supplying labor, material, and supplies used directly or
indirectly by Principal in the prosecution of the work provided in the contract dated

between Principal and Owner for construction of the Project named above, the contract being made a part
of this bond by reference; and

2. Pays Owner all loss, damage, expenses, costs, and attorney's fees, including appellate
proceedings, that Owner sustains because of default by Principal under paragraph 1. of this bond;

then this bond is void; otherwise, it remains in full force.

Any changes in or under the contract documents and compliance or noncompliance with formalities
connected with the contract or with the changes do not affect Surety's obligation under this bond.

Dated on : _____

(SEAL OF SURETY)

Name of Surety: _____

By: _____

Attorney in Fact

(SEAL OF PRINCIPAL)

Name of Principal: _____

By: _____

Its authorized officer