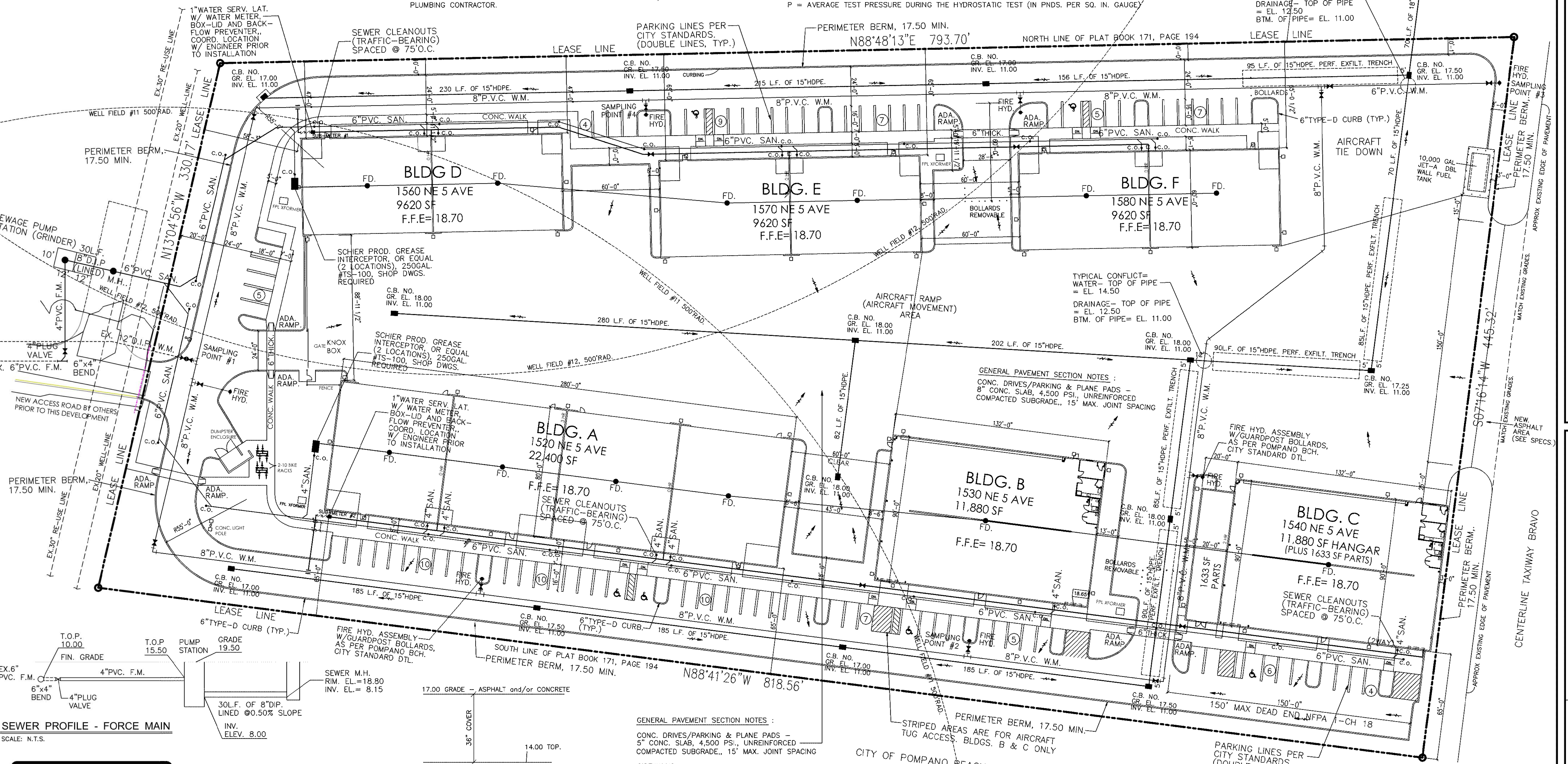


# WATER/SEWER NOTES -

1. ALL MATERIALS & CONSTRUCTION SHALL BE IN ACCORDANCE W/ COUNTY HEALTH DEPARTMENT UTILITY STANDARDS & SPECIFICATIONS HAVING JURISDICTION.
2. ALL APPLICABLE PERMITS MUST BE OBTAINED PRIOR TO COMMENCEMENT OF CONSTRUCTION (F.D.O.T., HEALTH DEPARTMENT, CITY ENG. DEPT., ETC.).
3. CONTRACTOR TO VERIFY THE LOCATION OF ALL EXISTING UTILITIES IN THE FIELD AND REPORT ANY CONFLICTS WITH THE PROPOSED UTILITIES TO THE ENGINEER PRIOR TO THE START OF CONSTRUCTION.
4. ALL UNDERGROUND UTILITIES TO BE INSTALLED BEFORE SUBGRADE IS STARTED.
5. THE CONTRACTOR SHALL BE RESPONSIBLE THROUGHOUT THE DURATION OF CONSTRUCTION FOR THE PROTECTION OF EXISTING AND NEWLY INSTALLED UTILITIES FROM DAMAGE OR DISRUPTION OF SERVICE.
6. THE CONTRACTOR SHALL MAINTAIN A CURRENT, APPROVED SET OF CONSTRUCTION PLANS ON SITE.
7. THE CONTRACTOR OR ENGINEER SHALL SCHEDULE INSPECTIONS AND TESTS A MINIMUM OF 24-48 HOURS IN ADVANCE.
8. WATER MAINS SHALL BE PVC OR DIP AS INDICATED ON THE PLAN SHEET. PVC PIPE SHALL CONFORM TO ANSI/AWWA C900 (SDR 18)... 36" MIN. COVER FOR PVC... 30" MIN. COVER FOR DIP.

9. SEWER PIPE SHALL BE PVC ASTM D3034-73 W/SDR 35 LATEST REVISION, WITH PUSH-ON RUBBER GASKET JOINTS.
10. CONTRACTOR TO SUBMIT FIVE (5) COPIES OF SHOP DRAWINGS FOR ALL STRUCTURES.
11. CONTRACTOR SHALL FURNISH COMPLETE "AS-BUILT" INFORMATION SIGNED & SEALED BY A REGISTERED FLORIDA PLS TO THE ENGINEER PRIOR TO FINAL ACCEPTANCE.
12. DISINFECTION OF NEW WATER MAINS SHALL BE PERFORMED IN CONFORMANCE WITH THE ANSI/AWWA C651-05 STANDARD.
13. ALL CONNECTIONS TO EXISTING MAINS SHALL BE MADE UNDER THE DIRECTION OF WATER & SEWER AUTHORITY HAVING JURISDICTION.
14. NO PHYSICAL CONNECTION OF NEW WATER MAINS TO ACTIVE MAINS SHALL BE MADE UNTIL SUCH TIME THAT THE NEW MAINS ARE DETERMINED TO BE BACTERIOLOGICALLY SAFE.
15. CONNECTIONS TO EXISTING MAINS, OPENING/CLOSING OF EXISTING VALVES SHALL BE MADE UNDER THE DIRECTION OF THE UTILITY DEPARTMENT AND/OR AGENCIES HAVING JURISDICTION.
16. CLEANOUTS SHALL BE INSTALLED AT ALL SEWER SERVICES EXCEEDING 75' IN LENGTH (I.E. EVERY 75' O.C.), WITH A CLEANOUT AT THE PROPERTY LINE, EASEMENT LINE, OR SET 5' FROM A BUILDING. THE CONTRACTOR SHALL COORDINATE THE LOCATION OF THE BUILDING CLEANOUT AND ELEVATION OF THE END SERVICE LATERAL, WITH THE BLDG. PLUMBING CONTRACTOR.

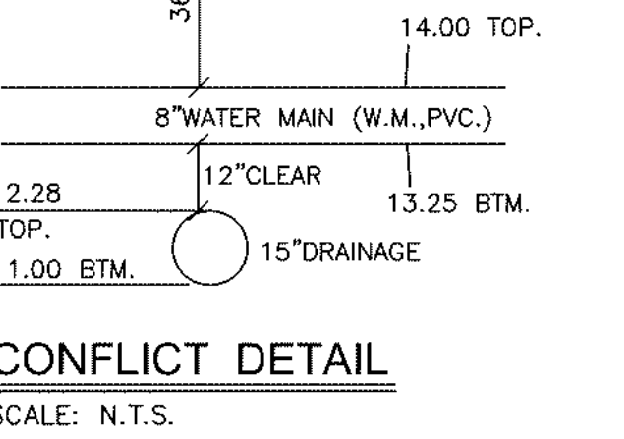
17. MAX. DENSITY OF ALL OTHER BACKFILL MATERIAL SHALL BE DETERMINED BY AASHTO METHOD DESIGNATION T-99, METHOD "D", LATEST REVISION (ASTM D698)
18. LAB. AND FIELD DENSITY TESTS, WHICH IN THE OPINION OF THE ENGINEER ARE NEEDED TO ESTABLISH COMPLIANCE WITH THE COMPACTION SPECIFICATIONS, SHALL BE CONDUCTED IN FIELD AND SHALL BE MADE AT SUCH DEPTHS AND LOCATIONS AS SELECTED BY THE ENGINEER, OR AS REQUESTED BY MUNICIPAL/COUNTY REVIEWING AGENCIES.
19. TRENCH BACKFILL WHICH DOES NOT COMPLY WITH THE SPECIFIED DENSITIES, SHALL BE REWORKED AND RECOMPACTED UNTIL THE REQUIRED COMPACTION RATING IS OBTAINED.
20. ALL WATER MAIN INSTALLATIONS SHALL COMPLY WITH THE COLOR CODING REQUIREMENTS OF CHAPTER 62-555.320.
21. HYDROSTATIC TESTING OF NEW MAINS SHALL BE PERFORMED FOR A MINIMUM PERIOD OF 2 HRS., AT A MINIMUM STARTING PRESSURE OF 150 PSI. AND THE FORMULA FOR CALCULATING THE MAX. ALLOWABLE LEAKAGE BE APPLIED AS PER THE ANSI/AWWA, C600-05 STANDARD..  
CURRENT ANSI/AWWA STANDARDS, PROPER FORMULA FOR DETERMINING ALLOWABLE LEAKAGE ::  
 $Q = LD \times \text{SQUARE ROOT OF } P / 148,000$   
Q = QUANTITY OF MAKE UP WATER (GALS PER HR.)  
L = LENGTH OF PIPE SECTION BEING TESTED (IN FEET)  
D = NOMINAL DIAMETER OF PIPE (IN INCHES)  
P = AVERAGE TEST PRESSURE DURING THE HYDROSTATIC TEST (IN PNDS. PER SQ. IN. GAUGE)



SEWER PROFILE - FORCE MAIN  
SCALE: N.T.S.

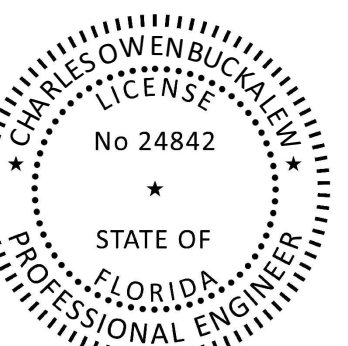
48 HOURS BEFORE DIGGING  
BROWARD - PALM BEACH - INDIAN RIVER  
ST. LUCIE - MARTIN COUNTIES  
CALL FREE  
1-800-447-4770  
S.U.N.S. (SOUTH FLORIDA UNDERGROUND AND UTILITIES NOTIFICATION CENTER)

SERVICE DEMAND::  
WATER = 7988 GPD.  
SEWER = 7988 GPD.



GENERAL PAVEMENT SECTION NOTES :  
CONC. DRIVES/PARKING & PLANE PADS -  
5" CONC. SLAB, 4,500 PSI., UNREINFORCED  
COMPACTED SUBGRADE, 15' MAX. JOINT SPACING  
SIDEWALKS -  
4" THK., 4,000 PSI., CONCRETE,  
6" COMPACTED SAND SUBGRADE  
6" THK., 4,000 PSI., (VEHICULAR TRAFFIC)  
CONC. CURBING -  
TYPE "D" CONC. CURB, IN AREAS SHOWN  
STANDARDS & SPECIFICATIONS  
ASPHALT DRIVES (EXIST. & NEW) -  
1 1/4" TYPE "S" ASPHALT, 4" THK.,  
12" COMPACTED SUBGRADE, 15' MAX. JOINT SPACING  
COMPACTED TO 95% OF MAX. DENSITY

CITY OF POMPAÑO BEACH, GOODYEAR BASE  
F.B.O. PHASE 1, PARCEL 1  
(P.B. 114, PG. 24, B.C.R.)



Charles O. Buckalew  
Digitally signed by Charles Buckalew  
Date: 2022.08.16  
09:14:48 -04'00'

007 WATER & SEWER PLAN

| REVISIONS                        | BY   |
|----------------------------------|------|
| 07-06-2022, REVISED<br>PGD. PLAN | COB. |
| 08-10-2022, REVISED<br>W-S PLAN  | COB. |
|                                  |      |
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SITE IMPROVEMENT PLANS FOR  
POMPAÑO BEACH AIR PARK - PARCEL Y  
1520-1580 NE. 5th. AVENUE, POMPAÑO BEACH FLORIDA 33060

Charles O. Buckalew  
Consulting Engineering Services, Inc.  
801 South Ocean Drive, Suite 201  
Hollywood, Florida 33019  
C.O.A. Number: 6255  
Tele. : (954) 558-1189 Fax. (954) 929-9888



|       |           |
|-------|-----------|
| DATE  | MAY, 2022 |
| SCALE | 1"=30'-0" |
| BY    | C.R.W.    |
| JOB   | MA-2285   |
| SHT   | WS-1      |

ALL GRADES REFER TO NAVD. DATUM OF 1988  
PZ22-12000020  
10/19/2022

This item has been Digitally Signed and Sealed by Charles O. Buckalew, FL. PE. # 24842 on August 16, 2022. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

PZ22-12000020  
9/21/2022