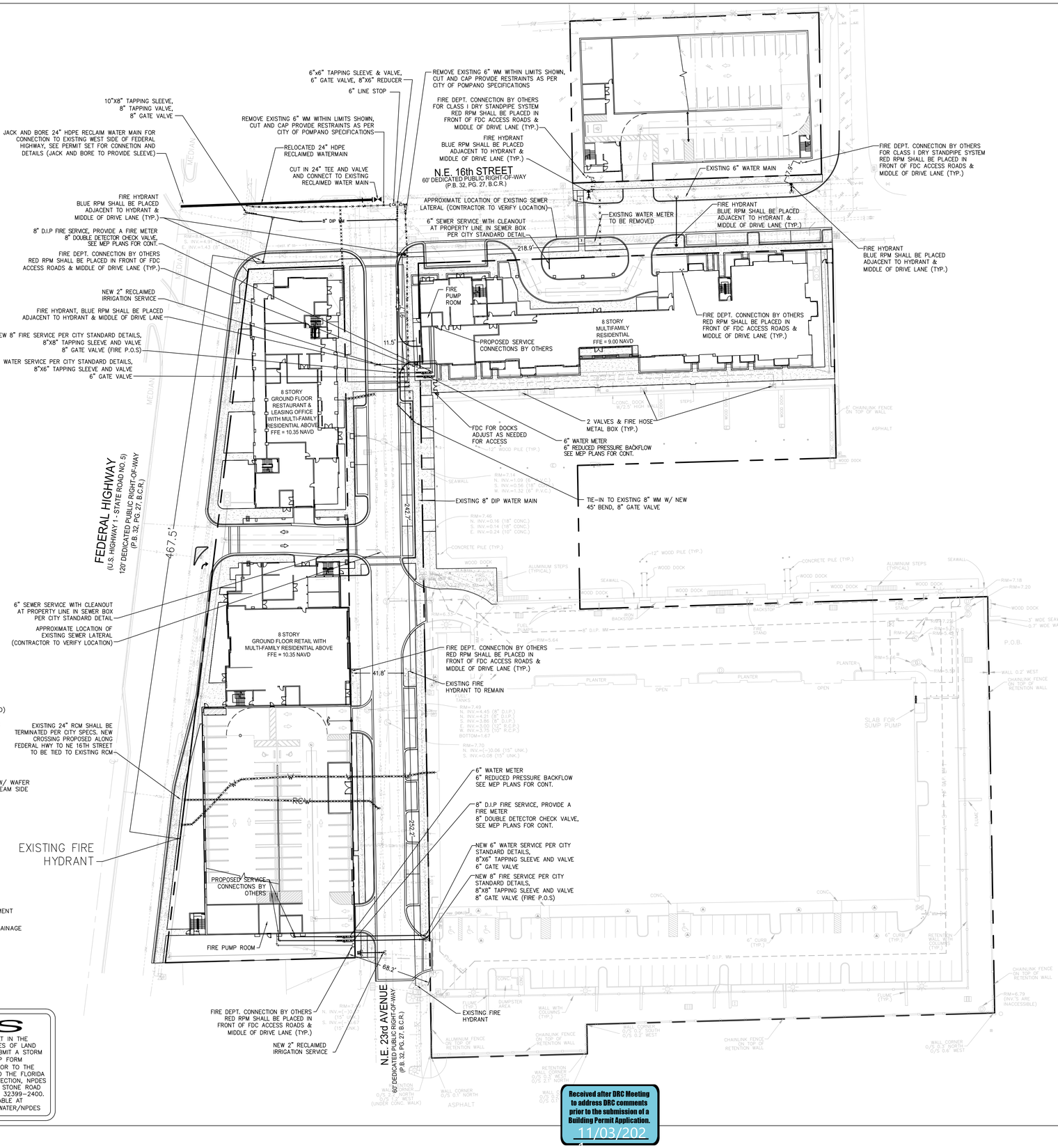

LOCATION MAP
NTS

WATER AND SEWER NOTES:

1. CLEANOUTS AND MANHOLES ON SANITARY LINES ARE TO BE ADJUSTED TO BE FLUSH WITH FINISHED GRADE.

2. CONTRACTOR SHALL PROVIDE FITTINGS (WYES, TEE, REDUCERS, ETC.) AS REQUIRED TO FURNISH A COMPLETE WORKING SYSTEM BASED ON THE LAYOUT SHOWN ON THESE PLANS.

3. CONTRACTOR SHALL PROVIDE ANY EASEMENT DOCUMENTATION AROUND MH'S, BACKFLOW PREVENTORS, MAINLINES, METERS, ETC. AS REQUIRED BY THE CITY SO THAT THE OWNER MAY RECORD ANY EASEMENTS WITH THE CITY. CONTRACTOR'S SURVEYOR MUST COORDINATE WITH THE CITY AND PROVIDE ALL NECESSARY EASEMENT DOCUMENTATION TO THE OWNER. THE OWNER MUST THEN PROVIDE ALL RECORDED UTILITY EASEMENT DOCUMENTS TO THE CITY PRIOR TO FINAL ACCEPTANCE.

4. CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH THE CITY UTILITY DEPT. ANY WATER MAIN CONNECTIONS. UTILITY CONNECTIONS AND SCHEDULE MUST BE APPROVED BY THE CITY PRIOR TO IMPLEMENTATION. THE CONTRACTOR IS REQUIRED TO PAY FOR ALL COSTS ASSOCIATED WITH THIS WORK REGARDLESS OF WHETHER OR NOT THE UTILITY OR THE CONTRACTOR PERFORMS THE WORK.

5. W.M./S.S. MAINS TO BE LOCATED 5' CLEAR OF ALL OBSTRUCTIONS, POLES, BOXES, CULVERTS, ETC. W.M./S.S. MAINS MUST BE LOCATED 5' FROM TREES. F.H.'S MUST HAVE A 7.5' CLEAR RADIUS FROM ALL

6. SITE UTILITY CONTRACTOR SHALL COORDINATE W/ THE BUILDING PLUMBING CONTRACTOR FOR EXACT LOCATION OF CONNECTION POINTS BETWEEN BUILDING AND SITE WATER, SEWER AND DRAINAGE LINES VERTICALLY AND HORIZONTALLY.

7. PRESSURE TESTING AND CERTIFICATION SHALL FOLLOW THE BROWARD COUNTY HEALTH DEPARTMENT STANDARDS.

8. ALL SANITARY SEWER LATERALS SHALL CROSS UNDER WATER MAINS WITH A MINIMUM OF 18" SEPARATION UNLESS OTHERWISE NOTED. A 20 FOOT SECTION OF DUCTILE IRON PIPE WATER MAIN CENTERED CROSSING IS REQUIRED IF LESS THAN 18" VERTICAL SEPARATION OCCURS BETWEEN THE SEWER LATERAL AND WATER MAIN.

9. ALL UNDERGROUND UTILITIES TO BE REMOVED SHALL BE CAPPED OFF AT THE POINT NEAREST TO THE UTILITIES OR DRAINAGE LINES THAT WILL REMAIN IN SERVICE. NOTIFY THE ENGINEER OF RECORD BEFORE REMOVING ANY UTILITIES THAT ARE CURRENTLY IN SERVICE. THE CONTRACTOR SHALL NOT REMOVE ANY UTILITY SERVICE TO ANY EXISTING BUILDING THAT WILL REMAIN AND SHALL DIG UP AND COMPLETELY REMOVE AND/OR ABANDON ANY UTILITY SERVICE THAT IS NO LONGER REQUIRED. THE CONTRACTOR SHALL INFORM AND CONSULT THE ENGINEER OF RECORD PRIOR TO REMOVING ANY LINES.

10. CONTRACTOR SHALL VERIFY EXISTING WATER MAIN LOCATION AND ELEVATION AND NOTIFY THE ENGINEER OF ANY DIFFERENCE FROM THE DESIGN PRIOR TO CONSTRUCTION AND/OR EXCAVATION.

11. PROPOSED FIRE LINES (I.E. MAINS, SERVICES, SIAMESE CONNECTION LINES, ETC.) TO BE INSTALLED BY A STATE LICENSED FIRE LINE CONTRACTOR PER F.S. 633.

12. FIRE LINES TO BE INSPECTED BY A CERTIFIED FIRE LINE INSPECTOR.

13. STATE LICENSED FIRE LINE CONTRACTOR, UPON COMPLETION OF REQUIRED TESTING, SHALL ISSUE A "LICENSED UNDERGROUND TEST CERTIFICATE" PRIOR TO ACCEPTANCE FOR PLACING FIRE LINE INTO SERVICE.

14. ANY EXISTING UNUTILIZED WATER &/OR SEWER CONNECTION TO THE SUBJECT LOT(S) MUST BE RETIRED AT THE MAIN AS PER CITY SPECIFICATION.

- IF THE EXISTING MAIN IS CLAY PIPE & HAS CIPP LINER CURRENTLY INSTALLED, INSTALL A SECTIONAL LINER IN THE MAIN OVER THE OLD LATERAL THUS ELIMINATING THE LATERAL.
- IF THE EXISTING MAIN IS CLAY PIPE, DIG DOWN CUT OLD CLAY PIPE, SLEEVE BACK IN WITH PVC & CITY APPROVED COUPLINGS.
- IF THE EXISTING MAIN IS CLAY PIPE & YOU ARE REQUIRED TO RETIRE MULTIPLE LATERALS FOR A PROJECT, IT MAY BE CHEAPER FOR THE CONTRACTOR TO INSTALL A CITY APPROVED CIPP LINER FROM MANHOLE TO MANHOLE AND NOT CUT OUT THE LATERALS THAT THEY A RETIRING.
- IF THE EXISTING MAIN IS PVC PIPE, REMOVE THE LATERAL PIPE FROM THE PVC WYE FITTING AND INSTALL A PLUG INTO THE WYE. INSTALL A GREEN LOCATING MARKING BALL AT THE LATERAL LOCATING, NO DEEPER THAN 4 FT. BELOW GRADE.

15. ANY EXISTING UNUTILIZED WATER AND/OR SEWER CONNECTION TO THE LOTS MUST BE CUT & CAPPED AT THE MAIN FOR WATER SERVICES & SEWER LATERAL REMOVED FROM THE MAIN & SLEEVED IN WITH NEW PIPING.

TOTAL DAILY GALLON PER DAY WATER CONSUMPTION: 63,561
TOTAL DAILY GALLON PER DAY WASTEWATER DISCHARGE: 63,561

LEGEND:

- 0.00 PROPOSED ELEVATION (NAVD)
- 7.35 EXISTING ELEVATION (NAVD)
- PROPOSED CATCH BASIN
- PROPOSED PLUG
- TEE
- WATER METER
- DOUBLE DETECTOR CHECK W/ WAFER CHECK VALVE ON DOWNSTREAM SIDE
- REDUCED PRESSURE BACKFLOW PREVENTOR
- DIRECTIONAL FLOW ARROW AND GRAVITY SEWER
- PROPOSED MANHOLE
- W WATER MAIN
- FM SANITARY FORCE MAIN
- VALVE
- FIRE HYDRANT
- SIAMESE CONNECTION
- CLEANOUT
- EDGE OF PROPOSED PAVEMENT (ASPHALT)
- DIRECTION OF SURFACE DRAINAGE
- SAMPLE POINT
- W EXIST. WATER MAIN
- EXIST. UTILITY LINE TO BE REMOVED

NPDES

ALL PROJECTS THAT WILL RESULT IN THE DISTURBANCE OF 1 OR MORE ACRES OF LAND CONTRACTORS ARE REQUIRED TO SUBMIT A STORM WATER NOTICE OF INTENT (DEP FORM 62-621.300(4)(b)) 48 HOURS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION TO THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION, NPDES STORMWATER PROGRAM, 2600 BLAIR STONE ROAD MAIL STATION 2510, TALLAHASSEE, FL 32399-2400. ADDITIONAL DETAILS ARE AVAILABLE AT WWW.DEP.STATE.FL.US/WATER/STORMWATER/NPDES

Received after DRC Meeting to address DRC comments prior to the submission of a Building Permit Application.
11/03/202

SHANE H. GRABSKI LICENSE No 84265 STATE OF FLORIDA PROFESSIONAL ENGINEER

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY SHANE H. GRABSKI, P.E. ON Jan 05, 2022

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES

CALL 48 HOURS BEFORE YOU DIG IN FLORIDA
IT'S THE LAW!
811
SUNSHINE STATE ONE CALL OF FLORIDA, INC.

VERTICAL DATUM CONVERSION
GRADING SHOWN UTILIZES N.A.V.D. 88
N.G.V.D. 29
N.A.V.D. 88
N.A.V.D. 88 = N.G.V.D. 29 - 1.5'
N.G.V.D. 29 = N.A.V.D. 88 + 1.5'

FLYNN ENGINEERING
241 COMMERCIAL BLVD., LAUDERDALE-BY-THE-SEA, FL 33308
PHONE:(954) 522-1004 | WWW.FLYNNENGINEERING.COM
EB# 6578

Sheet Title
CONCEPTUAL WATER & SEWER PLAN

Job Title
HIDDEN HARBOR
POMPANO BEACH, FLORIDA 33062

NORTH

Revisions

Phase:
DRC DOCUMENTS

SEAL
Shane H Grabski
Digitally signed by Shane H Grabski
DN: c=US, o=Flynn Engineering Services P.A., dnQualifier=A01410D000001 7BA42 5154700004C4C, cn=Shane H Grabski
Date: 2022.01.05 17:15:24 -05'00'

Scale: 1"=40'	Date 09/28/21
Job No. 05-0606.07	Plot Date 01/05/22
Drawn by SHG	Sheet No. EX-E3
Proj. Mgr. SHG	
Appr. by SHG	2 of 3

Drawing name: F:\2005 Jobs\05-0606.06\05-0606.06 SITE P0.dwg
Jan 05, 2022 - 5:13pm