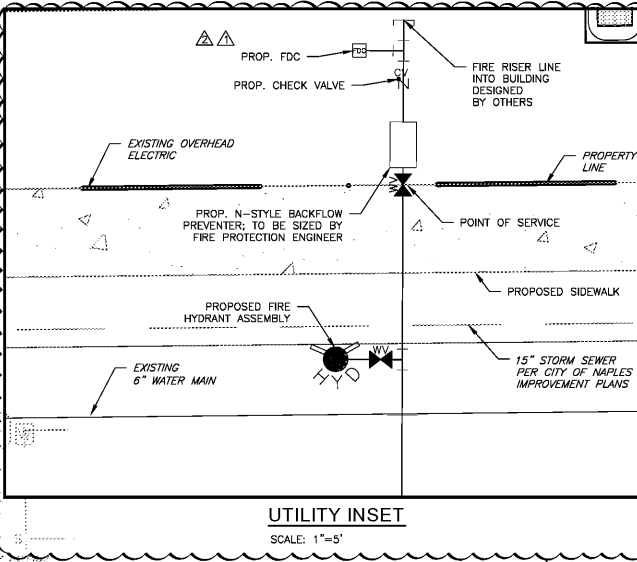


**LEGEND\***

(Symbol)	EXISTING 4" FORCE MAIN
(Symbol)	EXISTING SANITARY MANHOLE
(Symbol)	EXISTING SANITARY LIFT STATION
(Symbol)	EXISTING WATER SERVICE
(Symbol)	EXISTING 6" WATER MAIN
(Symbol)	EXISTING 12" WATER MAIN
(Symbol)	EXISTING GRAVITY SEWER
(Symbol)	EXISTING GAS MAIN
(Symbol)	PROPOSED HYDRANT
(Symbol)	EXISTING WATER METER
(Symbol)	EXISTING CATCH BASIN
(Symbol)	PROPOSED DRAINAGE PIPE

- UTILITY NOTES**
- THE APPROVAL OF THESE CONSTRUCTION PLANS DOES NOT AUTHORIZE CONSTRUCTION OF REQUIRED IMPROVEMENTS WHICH ARE INCONSISTENT WITH THE EASEMENTS OF RECORD.
  - ALL WATER, SEWER, IRRIGATION, DRAINAGE, AND PUBLIC UTILITY INSTALLATION SHALL BE PERFORMED IN COMPLIANCE WITH THE APPROVED SPECIFICATIONS.
  - CONTRACTOR IS RESPONSIBLE FOR OBTAINING A SHORT TERM Dewatering PERMIT FROM SFWMD AS REQUIRED.
  - UNDERGROUND CONTRACTOR SHALL MINIMIZE THE WORK AREA AND WIDTH OF TRENCHES TO AVOID DISTURBANCE TO EXISTING NATIVE VEGETATION (TO THE EXTENT POSSIBLE). SOIL FROM TRENCHES SHALL BE PLACED IN PREVIOUSLY DISTURBED AREAS OR AS DIRECTED BY OWNER.
  - EXCESS FILL MATERIAL REMOVED FROM ROW AND LOTS SHALL BE HAULLED TO LOCATIONS ON-SITE AS DIRECTED BY OWNER.
  - ALL BURIED PIPE WITHIN TRENCHES SHALL HAVE LOCATOR TAPE PLACED DIRECTLY OVER THE PIPE NOT MORE THAN (2) TWO FEET BELOW FINAL GRADE.
  - CONTRACTOR TO PROVIDE A MINIMUM OF 18" VERTICAL SEPARATION AT CONFLICTS BETWEEN STORM PIPE AND ANY OTHER UTILITY LINE.
  - CONTRACTOR RESPONSIBLE FOR FINAL PLACEMENT OF VALVES NOT TO BE PLACED WITHIN CURB.
  - HYDRANTS SHALL BE LOCATED A MINIMUM OF 4' FROM BACK-OF-CURB LINE OF A FIRE LANE, PRIVATE/PUBLIC STREET WHEN INSTALLED ALONG SUCH AN ACCESS WAY. HYDRANT VALVE BOXES TO BE LOCATED WITHIN 5' OF HYDRANT AND WITHIN LANDSCAPED ISLANDS WHERE NECESSARY TO MEET THIS REQUIREMENT, BUT NOT WITHIN CURB.
  - A ROW PERMIT TO PERFORM WORK/MAINTENANCE IS REQUIRED FOR ALL WORK IN PUBLIC RIGHTS-OF-WAY.
  - SEE M.E.P. PLANS FOR BUILDING SANITARY SERVICE CONNECTIONS FOR EACH UNIT.

- FIRE PROTECTION NOTES**
- A SEPARATE PERMIT IS REQUIRED PRIOR TO THE INSTALLATION OF ANY FIRE LINE.
  - INSTALLATION OF ALL UNDERGROUND FIRE LINES SHALL COMPLY WITH THE 2013 EDITION OF THE NFPA 24.
  - PIPE UNDER DRIVEWAYS SHALL BE BRUIED AT A MINIMUM DEPTH OF 3 FT (0.9 M), NFPA 24 (2013 ED) 10.4.
  - UNDERGROUND FIRE LINES SHALL BE INSTALLED BY AN APPROPRIATELY CERTIFIED FIRE SPRINKLER CONTRACTOR OR A TYPE V UNDERGROUND CONTRACTOR AS DEFINED AND OUTLINED IN 833.021, 833.521 AND 833.539 FS.
  - PIPING USED FOR FIRE PROTECTION SERVICE (I.E. FOR FIRE HYDRANTS AND/OR FIRE SPRINKLER SERVICE) THAT IS RUN UNDER DRIVEWAYS/PAVEMENT SHALL BE BURIED AT A MINIMUM DEPTH OF 36-INCHES.
  - UNDERGROUND FIRE LINE SHALL CONTINUE TO THE ABOVE GROUND CONNECTION FLANGE, WHICH BY DEFINITION IS NO MORE THAN ONE (1) FOOT ABOVE THE FINISHED FLOOR.
  - ALL FIRE CONTROL DEVICES AND APPURTENANCES TO BE DESIGNED AND PERMITTED SEPARATELY BY A FIRE PROTECTION CONTRACTOR. FIRE PROTECTION CONTRACTOR TO COORDINATE WITH ENGINEER OF RECORD TO AVOID CONFLICTS AND TO VERIFY MUNICIPALITY SEPARATIONS ARE MET.



<p><b>DESIGNED BY:</b> JAW <b>DRAWN BY:</b> AND <b>CHECKED BY:</b> JAW <b>PROJECT NO.:</b> 17-0086</p>	<p><b>REVISIONS</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>REV.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>04/02/19</td> <td>REVISED PER COLLIER COUNTY COMMENTS</td> </tr> <tr> <td>2</td> <td>07/02/2019</td> <td>REVISED PER COLLIER COUNTY COMMENTS</td> </tr> <tr> <td>3</td> <td>11/12/2018</td> <td>FIRST SUBMITTAL TO COLLIER COUNTY</td> </tr> </tbody> </table>	REV.	DATE	DESCRIPTION	1	04/02/19	REVISED PER COLLIER COUNTY COMMENTS	2	07/02/2019	REVISED PER COLLIER COUNTY COMMENTS	3	11/12/2018	FIRST SUBMITTAL TO COLLIER COUNTY
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<p><b>SANDBANKS, LLC</b> 700 OLD TRAIL DRIVE NAPLES, FL 34103</p>													
<p><b>SANDBANKS REDEVELOPMENT</b></p>													
<p><b>MASTER UTILITY PLAN</b></p>													
<p><b>DAVIDSON ENGINEERING</b> 4365 Radio Road, Suite 201 Naples, Florida 34104 P. 239-454-0080 F. 239-454-0084 Company Cert. of Authorization No. 000869</p>													
<p>JEFF L. DAVIDSON, P.E. NO. 47161 ANDREW E. RATH, P.E. NO. 73996 RYAN A. WHITE, P.E. NO. 07488 JENNA A. WOODWARD, P.E. NO. 84212</p>													
<p><b>SHEET NO.:</b> <b>C-22.00</b></p>													

