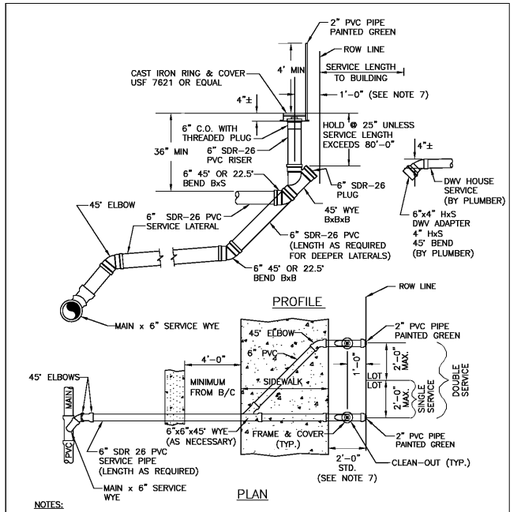
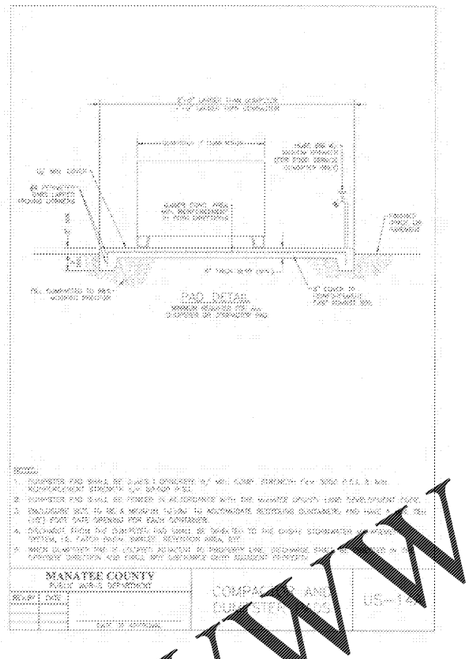


NOTES:

1. RUBBER DONUTS ARE NOT TO BE USED.
2. "SCO" TO BE IMPRESSED INTO THE NEWLY-POURED CONCRETE CURB, ALONG WITH DISTANCE IN FEET TO THE CLEAN-OUT. IF NO CURB INSTALL A GREEN DISC WITH "SCO" AND ⅜" x 1" GALVANIZED STEEL SCREW IN THE EDGE OF PAVEMENT WITH THE FOOTAGE FROM THE DISC TO THE CLEAN-OUT.
3. SANITARY SEWER CLEAN-OUTS SHALL NOT BE LOCATED IN DRAINAGE SWALES, EASEMENTS, SIDEWALKS OR DRIVEWAYS.
4. NO SERVICE CONNECTIONS TO BE MADE TO THE CLEAN-OUT RISER. ALL DOMESTIC CONNECTIONS SHALL BE MADE TO THE STUB-OUT PROVIDED.
5. SEWER SERVICE SHALL BE 5' MIN. FROM WATER SERVICE OR FIRE HYDRANT.
6. CLEAN-OUT ADAPTER TO BE SOLVENT-WELDED TO RISER TOP. CLEAN-OUT THREADS SHALL BE WRAPPED WITH TEFLON PLUMBERS TAPE TO SEAL PLUG WATERTIGHT.
7. WHEN THE DISTANCE BETWEEN THE EDGE OF THE SIDEWALK & THE ROW LINE IS ONE FOOT (CUL-DE-SAC W/MEDIAN) THE DISTANCE BETWEEN THE CENTER OF THE CO RISER & THE ROW LINE SHALL BE 6".

MANATEE COUNTY PUBLIC WORKS DEPARTMENT				
REV.BY	DATE		SINGLE AND DOUBLE SERVICE CONNECTION	US-13
CLB/DOM	11/10	MAY 10, 2011 DATE OF APPROVAL		PAGE 153

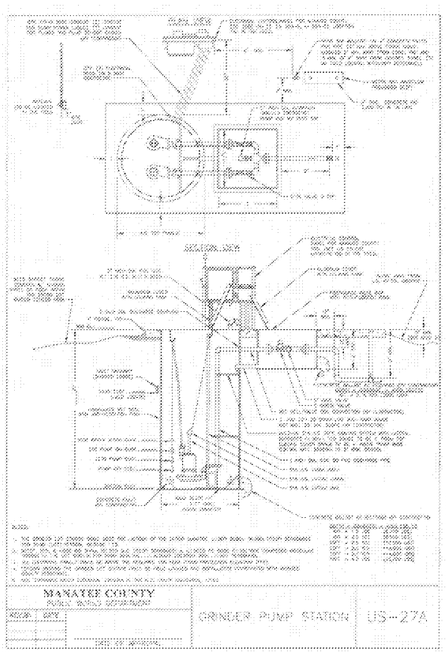


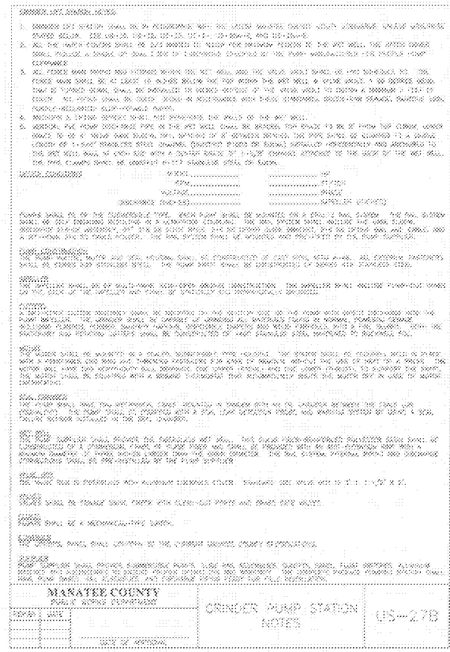
WATER & SEWER CONSTRUCTION NOTES:

1. ALL PROPOSED IMPROVEMENTS TO THE SITE TO BE STAKED IN THE FIELD BY OR UNDER THE SUPERVISION OF A FLORIDA REGISTERED LAND SURVEYOR.
2. PRIOR TO THE SCHEDULING OF ANY UNDERGROUND UTILITY PRESSURE TESTS, CONTRACTOR SHALL HAVE OBTAINED ALL NECESSARY FIELD DATA REQUIRED FOR THE PRODUCTION OF RECORD DRAWINGS. RECORD DRAWINGS TO INCLUDE LOCATIONAL INFORMATION ON ABANDONED WATER AND SEWER SERVICES AS WELL AS FUNCTIONAL SERVICES.
3. CONTRACTOR TO PROVIDE THE ENGINEER OF RECORD WITH REPRODUCIBLE AS-BUILT DRAWINGS SHOWING ALL IMPROVEMENT LOCATIONS AND ELEVATIONS AS REQUIRED BY M.C.P.W.D. CONTRACTOR TO LEAVE EXPOSED ALL PIPE BENDS OF 45 OR GREATER, TEES, CROSSES, REDUCERS AND PRESSURE PIPING EVERY 200' (OR ALTERNATE LOT LINES, WHICHEVER IS CLOSER). AS AN ALTERNATE TO LEAVING EXPOSED PIPING AND FITTINGS, THE CONTRACTOR, AT HIS OPTION, MAY PLACE A VERTICAL LENGTH OF 3/4" MINIMUM P.V.C. OVER THE PIPING OR FITTINGS SO THAT THESE LOCATIONS MAYBE VERIFIED BY SURVEY CREWS.
4. ALL PROPOSED CONSTRUCTION IS TO MEET OR EXCEED LATEST APPLICABLE MANATEE COUNTY CONSTRUCTION STANDARDS AND TO CONFORM TO ENGINEERS SPECIFICATIONS. PROPOSED CONSTRUCTION IS TO BE PUBLICLY OWNED AND OPERATED.
5. THE CONTRACTOR IS TO COORDINATE THE LOCATION AND ELEVATION OF ALL F.P.L., G.T.E. AND IRRIGATION SERVICE SLEEVES WITH RESPECTIVE AGENCY PRIOR TO CONSTRUCTION.
6. THE CONTRACTOR IS TO ASSURE HIMSELF THAT ALL UNDERGROUND UTILITIES AND STORM SEWER IS CONSTRUCTED, TESTED AND OPERATIONAL PRIOR TO ANY ROADWAY CONSTRUCTION.
7. ALL PROPOSED ELECTRICAL AND COMMUNICATION SERVICES ARE TO BE LOCATED UNDERGROUND AS DIRECTED BY RESPECTIVE AGENCY.
8. WATERMAIN WHERE LOCATED UNDER PAVEMENT TO BE ENCASED IN CLASS 160, SDR-26 PVC OR TO BE C-900 PVC AT CONTRACTOR'S OPTION. WATER SERVICES WHERE LOCATED UNDER PAVEMENT TO BE ENCASED IN CLASS 160, SDR-26 PVC. (3" MIN.)
9. ALL UTILITIES AND/OR DRAINAGE SHOWN AS EXISTING ARE TO BE FIELD VERIFIED FOR LOCATION AND ELEVATION PRIOR TO CONSTRUCTION CONTRACTOR TO NOTIFY "SUNSHINE STATE ONE-CALL" (800) 432-4770, EXT.1, 48 HOURS MINIMUM PRIOR TO START OF CONSTRUCTION FOR POSSIBLE UTILITY LOCATIONS NOT SHOWN.
10. ALL BIDDERS ARE HEREBY ADVISED THAT ALL EXCAVATION ON THIS PROJECT MUST COMPLY WITH FLORIDA STATUTE 90-96 "TRENCH SAFETY ACT", AND THAT THE COSTS OF COMPLIANCE IS TO BE INCLUDED IN HIS BASE BID. THE BIDDER SHALL INDICATE ON THE BID FORM THE COST ASSOCIATED WITH COMPLIANCE.
11. WATER SERVICES TO BE MARKED IN CURB WITH A BLUE DISC THAT HAS THE FOOTAGE FROM THE BACK OF CURB TO THE CENTER OF THE METER BOX OR IF NO CURB, A BLUE DISC IN THE EDGE OF PAVEMENT WITH THE FOOTAGE FROM THE DISC TO THE CENTER OF THE METER BOX.
12. ALL PIPING SHALL BE COLOR CODED IN ACCORDANCE WITH MANATEE COUNTY PUBLIC WORKS DEPARTMENT STANDARDS:
    GREEN: RAW SEWAGE
    PURPLE: EFFLUENT
    BLUE: POTABLE WATER
13. AS-BUILT INFORMATION SHALL COMPLY WITH MANATEE COUNTY STANDARDS.
14. ALL POTABLE WATER CONSTRUCTION SHALL MEET OR EXCEED MANATEE COUNTY PUBLIC WORKS UTILITY STANDARDS.
15. ALL ONSITE POTABLE WATER SHALL BE PRIVATELY MAINTAINED.
16. MINIMUM 18" VERTICAL SEPARATION SHALL BE MAINTAINED BETWEEN EXISTING WATER MAIN AND EXISTING FORCE MAIN.
17. MANATEE COUNTY PUBLIC WORKS UTILITY STANDARDS AND MINIMUM ALLOWABLE WATER AND /OR WASTEWATER CONSTRUCTION STANDARDS. WHERE ANY NOTE OR DETAIL ON THESE PLANS CONFLICT WITH THE MANATEE COUNTY PUBLIC WORKS UTILITY STANDARDS THE MORE STRINGENT INTERPRETATION, AS DETERMINED BY THE COUNTY CONSTRUCTION INSPECTOR, SHALL BE APPLIED.
18. IN ACCORDANCE WITH MANATEE COUNTY PUBLIC WORKS STANDARDS, UTILITY STANDARDS MANUAL (USM), SPECIFICATION 1.9.7.G THE DEPTH OF BURY FOR POTABLE WATER MAINS, RECLAIMED WATER MAINS AND FORCE MAINS SHALL TYPICALLY BE NO LESS THAN 36" AND NO MORE THAN 6 FEET OF COVER AT FINAL GRADE.
19. DUE TO CAPACITY ISSUES IN THIS AREA, THIS PROJECT CANNOT CONNECT TO THE COUNTY WASTEWATER COLLECTION SYSTEM UNTIL SUCH TIME THAT THE PARRISH MASTER LIFT STATION IS OPERATIONAL.

SEWER DETAILS

BID SET
7-1-2019





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HOUGH ENGINEERING, INC.
CONSULTING ENGINEERS
1771 MANATEE AVE. W. BRADENTON FLORIDA 34205
PHONE : (941) 747-4838 • FAX : (941) 747-4072

DESCRIPTION	DATE
REPLACED US-1 W/ US-1A	04/25/2019
ADD US-27 A & B, NOTE 11 AMD W/D	06/07/2019

REVISIONS

DESIGN	M.M.H.	02/27/2019
DRAWN	G.H.F.	02/27/2019
CHECKED		
QUALITY CONTROL		
HORZ. SCALE	NTS	
VERT. SCALE		

PROJECT NO. SEP-01

7-ELEVEN, PARRISH

Sewer Details

LOCATED IN
SECTION 33, TOWNSHIP 33S, RANGE 19E
MANATEE COUNTY, FLORIDA

Maria M. Hough, P.E. # 38664
Certificate of Authorization #7684

DATE

SHEET NO. 8