

P.O.C. WATER

S.E. MARICAMP ROAD COUNTY ROAD 464

RIGHT OF WAY WIDTH VARIES

Existing valves to remain. Developer to modify valve covers to be traffic bearing.

Proposed Pig Port and Valve to be relocated outside of driveway by County

Developer to relocate existing air relief valve as shown.

WATER AND SEWER SEPARATION NOTE:

NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST SIX FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED GRAVITY-OR PRESSURE-TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C. THE MINIMUM HORIZONTAL SEPARATION DISTANCE BETWEEN WATER MAINS AND GRAVITY-TYPE SANITARY SEWERS SHALL BE REDUCED TO THREE FEET WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST SIX INCHES ABOVE THE TOP OF THE SEWER, NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED GRAVITY- OR VACUUM-TYPE SANITARY SEWER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST SIX INCHES, AND PREFERABLY TWELVE INCHES, ABOVE OR AT LEAST TWELVE INCHES BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAID THE WATER MAIN ABOVE THE OTHER PIPELINE.

AT THE UTILITY CROSSINGS DESCRIBED ABOVE, ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED ABOVE OR BELOW THE OTHER PIPELINE SO THE WATER MAIN JOINTS WILL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE. ALTERNATIVELY, AT SUCH CROSSINGS, THE PIPE SHALL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST THREE FEET FROM ALL JOINTS IN VACUUM-TYPE SANITARY SEWERS, OR PIPELINES CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C. AND AT LEAST SIX FEET FROM ALL JOINTS IN GRAVITY-OR PRESSURE-TYPE SANITARY SEWERS, WASTEWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.

GENERAL NOTE:

1. ALL WATER AND/OR SEWER CONSTRUCTION SHALL CONFORM TO THE CURRENT MARION COUNTY LAND DEVELOPMENT CODE AND 646-F.A.C.
2. UTILITY INSTALLATION PROJECTS SHALL BE INSPECTED BY MCDU. A PRE-CONSTRUCTION MEETING IS TO BE ORGANIZED WITH THE MCDU CONSTRUCTION MANAGER, ALEJANDRO RAD, 72 HOURS PRIOR TO START OF CONSTRUCTION. MR. RAD CAN BE REACHED AT (352) 307-6012 OR ALEJANDRO.RAD@MARIONCOUNTYFL.ORG (LDC 6.14.17)

DATA & COMMUNICATIONS NOTE:

THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING DATA AND COMMUNICATION SERVICE WITH THE APPROPRIATE UTILITY COMPANY BASED ON THE OWNER'S DIRECTION. THE CONTRACTOR MUST ASSURE THAT ALL UTILITY CONDUIT, CROSSINGS, AND IMPROVEMENTS DO NOT CONFLICT WITH OTHER UNDERGROUND UTILITIES SUCH AS POTABLE WATER, SANITARY SEWER, ELECTRIC AND STORMWATER FACILITIES. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANY ANY SLEEVING REQUIREMENTS FOR UTILITY LINES.

UTILITY NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL UTILITIES AND NOTIFYING THE APPROPRIATE UTILITY COMPANY PRIOR TO BEGINNING CONSTRUCTION.
2. THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS BEFORE AN EXCAVATION TO REQUEST EXACT FIELD LOCATION OF THE UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
3. CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING STORM SEWER STRUCTURES, PIPES, AND ALL UTILITIES PRIOR TO CONSTRUCTION.
4. CONTRACTOR IS RESPONSIBLE FOR REPAIRS OF DAMAGE TO ANY EXISTING IMPROVEMENTS DURING CONSTRUCTION, SUCH AS, BUT NOT LIMITED TO, UTILITIES, PAVEMENT, STRIPING, CURBS, ETC. REPAIRS SHALL BE EQUAL TO OR BETTER THAN EXISTING CONDITIONS.
5. CONTRACTOR SHALL REFER TO ARCHITECTS PLANS AND SPECIFICATIONS FOR ACTUAL LOCATION OF ALL UTILITY ENTRANCES. CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITIES IN SUCH A MANNER AS TO AVOID CONFLICTS AND ASSURE PROPER DEPTHS ARE ACHIEVED AS WELL AS COORDINATING WITH LOCAL UTILITY PROVIDER REQUIREMENTS AS TO LOCATION AND SCHEDULING FOR TIE-IN CONNECTIONS PRIOR TO CONNECTION TO EXISTING FACILITIES.
6. CONTRACTOR SHALL COORDINATE WITH ARCHITECTURAL PLANS, POWER COMPANY, & TELEPHONE COMPANY FOR ACTUAL ROUTING OF POWER AND TELEPHONE SERVICE TO BUILDING.
7. SEE DETAIL SHEETS FOR BACKFILLING AND COMPACTION REQUIREMENTS ON UTILITY TRENCHES.
8. CONTRACTOR SHALL COMPLY TO THE FULLEST EXTENT WITH THE LATEST STANDARD OF DSHA DIRECTIVES OR ANY OTHER AGENCY HAVING JURISDICTION FOR EXCAVATION AND TRENCHING PROCEDURES. THE CONTRACTOR SHALL USE SUPPORT SYSTEMS, SLOPING, BRACING, AND OTHER MEANS OF PROTECTION. THIS TO INCLUDE BUT NOT LIMITED TO, ACCESS AND EGRESS FROM ALL EXCAVATION AND TRENCHING. CONTRACTOR IS RESPONSIBLE TO COMPLY WITH PERFORMANCE CRITERIA FOR OSHA.
9. CONTRACTOR SHALL COORDINATE WITH OTHER UTILITIES TO ASSURE PROPER DEPTH AND PREVENT ANY CONFLICT OF UTILITIES.
10. CONTRACTOR SHALL GROUT AROUND ALL PIPE ENTRANCES TO SANITARY SEWER MANHOLES WITH NON-SHRINKING GROUT TO ASSURE CONNECTION IS WATER TIGHT.
11. THE CONTRACTOR SHALL CONDUCT ALL REQUIRED TESTS TO THE SATISFACTION OF THE RESPECTIVE UTILITY COMPANIES AND OWNERS' RESPECTIVE AUTHORITIES.
12. SITE CONTRACTOR TO COORDINATE PROPOSED RECONNECTION OF ALL UTILITIES WITH ARCHITECTURAL PLANS AS WELL AS UTILITY COMPANIES AND BUILDING CONTRACTOR. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ANY AND ALL EXPENSES THAT RESULT FROM DELAYED OR FAILED TESTING DURING ANY PHASE OF THE CONSTRUCTION PROCESS. THIS INCLUDES FEES INCURRED THROUGH RESCHEDULING OF ANY DEVELOPER VENDORS OR EQUIPMENT TO ACCOMMODATE.
13. EXISTING UTILITY LINES SHOWN ARE APPROXIMATE LOCATIONS ONLY. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LINE LOCATIONS PRIOR TO ANY CONSTRUCTION. ANY DEVIATIONS FROM THE DESIGN LOCATIONS SHALL BE REPORTED TO THE OWNER PRIOR TO CONSTRUCTION.
14. CONTRACTOR SHALL REFER TO PLANS BY OTHERS FOR ENTRY LOCATION OF ALL WATER, SEWER SERVICE, ELECTRICAL, AND TELEPHONE SERVICE. CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITIES IN SUCH A MANNER AS TO AVOID CONFLICTS AND ASSURE PROPER DEPTHS ARE ACHIEVED AS WELL AS COORDINATING WITH THE REGULATORY AGENCY AS TO THE LOCATION AND TIE-IN CONNECTIONS TO THEIR FACILITIES.
15. SEE COVER SHEET FOR LIST OF UTILITY COMPANIES AND CONTACT PERSONS.
16. THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL UNDERGROUND UTILITIES WITH HIS WORK. ALL UNDERGROUND UTILITIES (WATER, SANITARY SEWER, STORM SEWER, ELECTRICAL, COMMUNICATION SYSTEMS, AND ANY OTHER MISC. UTILITIES) SHALL BE IN PLACE PRIOR TO THE PLACEMENT OF BASE COURSE MATERIAL, AND THE PLACEMENT OF ANY APPROPRIATE SOIL STABILIZATION TECHNIQUE.
17. CONTRACTOR SHALL PROVIDE BOLLARDS FOR PROTECTION OF ALL ABOVE GROUND UTILITIES AND APPURTENANCES ADJACENT TO DRIVE AREAS.

COUNTY WATER AND SEWER NOTES:

1. WATER SERVICE SHALL BE PROVIDED BY 2" WATER SERVICE CONSTRUCTED AS PART OF THIS DEVELOPMENT. CONNECTION IS REQUIRED TO AN EXISTING 12" POTABLE WATER MAIN OWNED AND OPERATED BY THE MARION COUNTY UTILITY DEPARTMENT.
2. SEWER SERVICE SHALL BE PROVIDED BY CONNECTION TO AN EXISTING GRAVITY SEWER SYSTEM OWNED AND OPERATED BY THE MARION COUNTY UTILITY DEPARTMENT.
3. ALL SECTIONS OF ARTICLES 6 & 7 RELATING TO MARION COUNTY UTILITIES, CONCERNING CONSTRUCTION AND UTILITIES DETAIL SHEETS SHALL BE ADHERED TO FOR THIS PROJECT.
4. COUNTY NOTE TO DEVELOPER - AS-BUILTS SHALL COMPLY WITH THE LAND DEVELOPMENT CODE AND SHALL BE SUBMITTED A MINIMUM OF TWO WEEKS PRIOR TO THE FDEP CLEARANCE REQUEST. THIS WILL ALLOW FOR ADEQUATE TIME TO REVIEW AS-BUILTS AHEAD OF THE CLEARANCE REQUEST AND AVOID DELAY.

SITE IRRIGATION NOTE:

1. PROPOSED IRRIGATION AREA EQUALS 46,257 SF. THIS AREA IS USED AS PART OF THE CAPITAL CHARGES CALCULATION.

CAPITAL CHARGES & FLOW RATES NOTE:

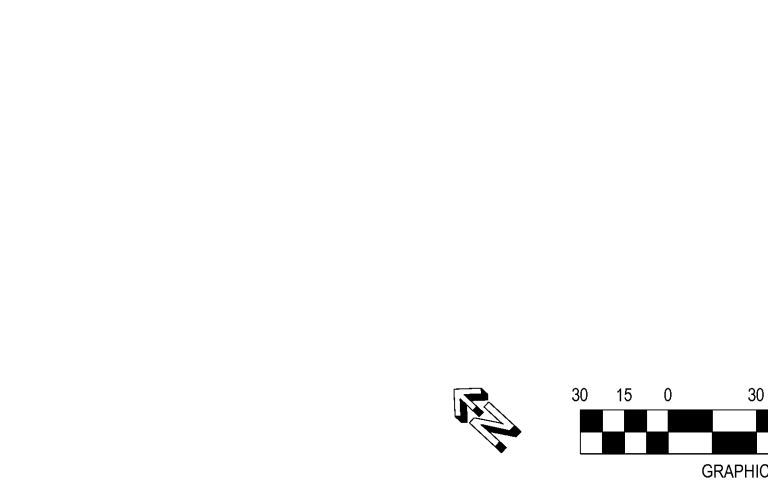
1. CAPITAL CHARGES WILL BE DUE PRIOR TO THE BUILDING PERMIT BEING ISSUED. FOR AN ESTIMATE OF THESE FEES AND TO EXPEDITE THE PERMITTING PROCESS, PLEASE REQUEST A COPY OF THE CAPACITY CHARGE WORKSHEET FROM Carrie.Hyde@marioncountyfl.org
2. ONCE BUILDING PERMIT ISSUED, ANY OCCUPANT OTHER THAN, OR IN ADDITION TO NSC, OR USE OF ITS OFFICES BY OTHERS WILL REQUIRE ADDITIONAL REVIEW AND POSSIBLY AN INCREASE IN CAPACITY CHARGES

COUNTY FIRE HYDRANT NOTE:

NEW HYDRANTS SHALL BE INSTALLED, TESTED AND PAINTED PER NFPA 291, BY A THIRD-PARTY CONTRACTOR AND WITNESSED BY A MARION COUNTY FIRE INSPECTOR.

SANITARY SEWER KEYNOTES:

1. 4" SANITARY SEWER ENTRY AT IE. 79.50' WITH 2% MIN. SLOPE (SEE ARCH PLANS)
2. INSTALL TWO-WAY CLEAN-OUT AT IE. 79.42'
3. INSTALL 11.2 LF OF 4" PVC @ 2.00%
4. INSTALL CLEAN-OUT IE. 78.20'
5. INSTALL 4.7 LF OF 4" PVC @ 2.00%
6. INSTALL 1200 GAL GREASE TRAP, IE IN 79.33', IE OUT 79.10'
7. INSTALL SAMPLE BOX
8. INSTALL TWO-WAY CLEAN-OUT AT IE. 79.42'
9. INSTALL 11.2 LF OF 4" PVC @ 3.48%
10. INSTALL CLEAN-OUT IE. 79.03'
11. INSTALL 76.7 LF OF 4" PVC @ 2.00%
12. INSTALL CLEAN-OUT IE. 77.50'
13. INSTALL 95 LF OF 4" PVC @ 2.46%
14. EXISTING CLEAN-OUT IE. 75.23'
15. CONNECT TO EXISTING INVERT EL. 75.16'
16. CONNECT TO EXISTING INVERT EL. 75.10'
17. 6" SANITARY SEWER ENTRY AT IE. 80.50' WITH 2% MIN. SLOPE (SEE ARCH PLANS)
18. INSTALL C.O. INVERT EL. 80.31'
19. INSTALL 26.1 LF OF 6" PVC @ 2.75%
20. INSTALL 750 GAL SAND & OIL/WATER INTERCEPTOR (SEE DETAIL), IE IN 79.57', IE OUT 79.40'
21. INSTALL (3) RECLAIM WATER TANKS, IE IN 80.40', IE OUT 79.90' (SEE ARCH PLANS)
22. INSTALL C.O. IE. 79.85'
23. INSTALL 11.4 LF OF 6" PVC @ 2.00%
24. INSTALL 36.1 LF OF 6" PVC @ 2.00%
25. INSTALL CLEAN-OUT IE. 78.67'
26. INSTALL 39.2 LF OF 6" PVC @ 9.11%



ENGINEER'S CERTIFICATION:

DATE: _____

DESIGNED BY: PM

DRAWN BY: WPD

CHECKED BY: PM

DATE: 08-26-20

PAOLO MASTROSERIO, P.E. 56851
 MASTROSERIO ENGINEERING, INC. C.A. #26159
 70 SE 32ND PLACE
 OCALA, FL 34471

PROJECT: KINGSLAND STORAGE FACILITY-MAJOR SITE PLAN
 MARION COUNTY, FL SEC. 08, TWP. 16, RGE. 23

TITLE: UTILITY PLAN

SCALE: 1" = 30'

JOB#: 20-05

SHEET: C7 OF 11

811
 Know what's below.
 Call before you dig.

Order Plans @ www.wpdline.com