PLUMBING PROJECT GENERAL NOTES:

1. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY FITTINGS AS REQUIRED BY ALL APPLICABLE CODES AND GOVERNING AUTHORITIES.

2. CONTRACTOR SHALL VERIFY AND CORRECT AS REQUIRED TO MEET ALL CODES AND REGULATIONS ANY POSSIBLE DISCREPANCIES BETWEEN TYPE AND SIZE OF CONNECTION SPECIFIED IN PLUMBING FIXTURE SCHEDULE AND FIXTURES ACTUALLY INSTALL ON THE SITE.

3. ALL SANITARY PIPING SHALL HAVE A 1/8" PER FOOT SLOPE UNLESS OTHERWISE NOTED.

4. VENT PIPING SHOWN ON FLOOR PLANS IS ONLY INDICATIVE EXCEPT FOR VTR LOCATIONS.

5. VALVES AND FITTINGS SHALL BE OF SAME SIZE OF LINE ON WHICH THEY ARE LOCATED, UNLESS OTHERWISE INDICATED ON DRAWINGS.

6. CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES.

7. CONTRACTOR SHALL FIELD VERIFY ALL GIVEN MEASUREMENTS PRIOR TO LAYING AND CONNECTING ALL SANITARY AND WASTE PIPING AND NOTIFY ARCHITECT OF ANY DISCREPANCIES.

8. AIR CHAMBERS SHALL NOT BE CONSIDERED AN EQUAL TO WATER HAMMER ARRESTORS AS SPECIFIED.

9. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING FIRE RATING AND WEATHERPROOFING INTEGRITY OF ALL PIPING AND PENETRATIONS.

10. ALL WATER SUPPLY AND SANITARY LINES SHALL BE RUN AS CLOSE TO PLANS AS POSSIBLE WITH NO CHANGES IN SIZING.

11. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY SUPPORTING DEVICES FOR ALL FIXTURES INCLUDED IN CONTRACT OR HEREIN SPECIFIED OR OTHERWISE.

12. CHANGES IN THE DIRECTION OF SANITARY AND STORM DRAIN PIPING SHALL NOT BE MADE WITH FITTINGS WHICH WILL CAUSE EXCESSIVE REDUCTION IN THE VELOCITY OF FLOW OR CREATE ANY OTHER ADVERSE EFFECT UNLESS PHYSICALLY IMPOSSIBLE (I.E. USE OF SANITARY TEE IN A HORIZONTAL CONNECTION, USE OF A DOUBLE SANITARY TEE IN A VERTICAL STACK, IN GENERAL, USE OF A SHORT-RADIUS FITTINGS FOR BRANCH TO HOUSE DRAIN OR STACK CONNECTION).

13. CONTRACTOR SHALL GIVE 24 HOURS NOTICE TO APPLICABLE UTILITY COMPANY PRIOR TO PERFORMING WORK INVOLVING UTILITIES.

14. ALL SANITARY, STORM AND WATER SUPPLY LINES SHALL BE MARKED WITH THE SEAL OF APPROVAL OF THE NATIONAL SANITATION FOUNDATION.

15. WHERE SANITARY SEWER LINES CROSS UNDERGROUND WATER SUPPLY LINES WITH LESS THAN 8" MINIMUM VERTICAL CLEARANCE, THE WATER LINES SHOULD BE MODIFIED TO PROVIDE 8" MINIMUM CLEARANCE.

16. ALL FLOOR DRAINS SHALL BE PROVIDED WITH DEEP SEAL TRAPS AND PRIMER FITTINGS UNLESS NOTED OTHERWISE.

17. ROUTE ALL PIPING CONCEALED ABOVE CEILINGS, WITHIN WALLS, OR IN CHASES EXCEPT AS SPECIFICALLY NOTED, OR IN MECHANICAL ROOMS.

18. PROVIDE ACCESS PANELS TO ALL VALVES AND CLEAN-OUTS WITHIN CHASES OR ABOVE NON-ACCESSIBLE CEILINGS. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES.

19. INSTALL WATER HAMMER SHOCK ARRESTORS AT EACH FIXTURE OR BATTERY OF FIXTURES WHERE REQUIRED. ARRESTORS SHALL BE FACTORY FABRICATED. INSTALL ARRESTORS AND SIZE PER PLUMBING AND DRAINAGE INSTITUTE STANDARD P.D.I. WH-201. ACCEPTABLE MANUFACTURERS: SIOUX CHIEF OR PRECISION PLUMBING PRODUCTS.

20. METERING AND SITE UTILITY CONNECTIONS SHALL BE PROVIDED ON CIVIL DRAWINGS. ALL SERVICES SHOWN ON THIS SET OF PLANS TERMINATE 5'-0" FROM BUILDING, UNLESS SHOWN OTHERWISE ON DRAWINGS. PLUMBING CONTRACTOR SHALL MAKE FINAL CONNECTIONS TO SITE UTILITIES.

21. FURNISH AND INSTALL HOSE BIBBS AND/OR WALL HYDRANTS 24" ABOVE FINISHED GRADE/FLOOR AND PROVIDE VACUUM BREAKERS.

22. SEE ARCHITECTURAL DRAWINGS FOR EXACT PLUMBING FIXTURE LOCATIONS, MOUNTING HEIGHTS, AND DIMENSIONS.

23. CONTRACTOR SHALL VERIFY INVERT ELEVATIONS OF SEWERS TO WHICH NEW SEWER LINES ARE TO BE CONNECTED BEFORE INSTALLATION OF NEW SEWER LINE.

24. ALL VENTS THROUGH ROOF SHALL BE MIN. 10'-0" FROM ANY AIR INTAKES.

25. CONTRACTOR SHALL INSTALL DIELECTRIC UNIONS AT CONNECTIONS OF DISSIMILAR METALS.

26. CONTRACTOR SHALL ROUGH-IN ALL WASTES AND SUPPLIES TO SPECIAL EQUIPMENT ACCORDING TO MANUFACTURERS SHOP DRAWINGS AND MAKE FINAL CONNECTIONS. ALL SUPPLIES SHALL BE VALVED. INSTALL REDUCED PRESSURE BACKFLOW PREVENTERS, AS REQUIRED BY CODE.

27. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS (INCLUDING PIPE ROUTING AND EQUIPMENT LOCATIONS) TO ARCHITECT/ENGINEER FOR REVIEW PRIOR TO THE INSTALLATION OR PURCHASING OF ANY PIPING AND/OR EQUIPMENT.

28. PRESSURE REDUCING VALVES SHALL BE INSTALLED ON BRANCH LINES SERVING FIXTURES AND/OR EQUIPMENT, WHEN THE PRESSURE IN THE LINE EXCEEDS 60 P.S.I. IT IS REQUIRED THAT A VELOCITY BETWEEN 5

29. AND 8 FEET PER SECOND BE MAINTAINED FOR ALL DOMESTIC WATER SYSTEMS.

30. COORDINATE EXACT LOCATION OF FLOOR DRAINS WITH ARCHITECT.

31. DO NOT PENETRATE WALL FOOTINGS WITH PIPING, COORDINATE WITH GENERAL CONTRACTOR TO DROP FOOTINGS AS REQUIRED TO CLEAR PLUMBING SERVICES WHERE ABSOLUTELY NECESSARY. ALL PIPING PENETRATING A BEARING WALL OR FOOTING MUST BE SLEEVED AND LOCATION APPROVED BY STRUCTURAL ENGINEER.

32. ALL WORK SHALL COMPLY WITH FBC 2007, 2009 SUPPLEMENTS TO THE 2007 FBC AND CODES AND STANDARDS LISTED IN THE SPECIFICATIONS.

33. REFER TO THE PLUMBING FIXTURE SCHEDULE ON SHEET P0.02 FOR THE MINIMUM SIZES OF ALL PIPING CONNECTIONS TO EACH INDIVIDUAL PLUMBING FIXTURE.

PLUMBING SYMBOL LEGEND

SYMBOL	DESCRIPTION
HWR	HOT WATER RETURN PIPING AND FLOW
SAN	WASTE OR SANITARY PIPING
V	VENT PIPING
4" VTR	VENT THRU ROOF AND SIZE
GR	KITCHEN GREASE PIPING
CWV	COMBINATION WASTE + VENT PIPING
ST	STORM DRAIN PIPING
OF	OVERFLOW STORM PIPING
SAN PD	SANITARY PUMP DISCHARGE FROM SEWAGE EJECTOR
ST PD	STORM PUMP DISCHARGE FROM SUMP PUMP
G	GAS PIPING AND FLOW
XV	EXISTING VENT PIPING
XCW	EXISTING COLD WATER PIPING
XHW	EXISTING HOT WATER PIPING
	ISOLATION VALVE (SEE NOTE 2)
4" RD	ROOF DRAIN AND SIZE
	CHECK VALVE
WC1	PLUMBING FIXTURE NUMBER
	DRAWING KEY NOTE
	POINT OF CONNECTION (NEW TO EXISTING)
I.E. 98'-0"	INVERT ELEVATION DESIGNATION
	SOLENOID VALVE
FD1	FLOOR DRAIN AND TYPE
CO	EXTERIOR CLEANOUT
WCO	WALL CLEANOUT
FCO	FLOOR CLEANOUT
HB / W.HY.	HOSE BIBB OR WALL HYDRANT (SEE SPECS)
	RISER WITH SHUT OFF VALVE
	BALL VALVE
	VALVE IN VALVE BOX
	GATE VALVE
	BACKFLOW PREVENTER
	GAS COCK
	PRESSURE REDUCING VALVE
	BALANCING VALVE (SEE NOTE 2)
	UNION

NOTES:
1. THIS IS A STANDARD LIST OF SYMBOLS. SOME SYMBOLS SHOWN ON THIS LEGEND MAY NOT APPLY TO THE PROJECT.
2. SEE SPECIFICATIONS FOR THE EXACT TYPE OF VALVE TO BE PROVIDED IN EACH APPLICATION.

CONSTRUCTION DOCUMENTS

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PLUMBING NOTES, LEGEND, AND ABBREVIATIONS

MANATEE COUNTY – LINCOLN SPLASH PARK

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REVISIONS:

PROJECT NO: 10-4110
DATE: 08.27.2010
DRAWN BY: CF
CHK'D BY: MR

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LIC. NO. 60308

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P001