

FIXTURE SCHEDULE								
ITEM	FIXTURE	ROUGH-IN CONNECTIONS						DESCRIPTION
		TRAP	WASTE	VENT	HOT WATER	COLD WATER	GAS	
WC 1	WATER CLOSET FLOOR. MTD.	INT.	4"	2"	--	1"	--	A/S NO. 3451.001 "MADERA FloWise" 15" HIGH EFFICIENCY FLOOR MOUNTED FLUSH VALVE, 1.28 GPF COMPLETE WITH SLOAN ROYAL NO. 111-1.28 (1.28 GPF) FLUSH VALVE, CHURCH NO. 9500SST SELF-SUSTAINING SEAT AND A/S BOLT CAPS.
WC 2	WATER CLOSET FLOOR. MTD. (ACCESSIBLE)	INT.	4"	2"	--	1"	--	A/S NO. 3043.528 "MADERA FloWise" RIGHT HEIGHT ELONGATED, FLOOR MOUNTED FLUSH VALVE, 1.28 GPF COMPLETE WITH SLOAN ROYAL NO. 111-1.28 (1.28 GPF) FLUSH VALVE, CHURCH NO. 9500SST SELF-SUSTAINING SEAT AND A/S BOLT CAPS.
L 1	LAVATORY WALL MTD. (ACCESSIBLE)	1 1/4"	2"	1 1/2"	--	1/2"	--	A/S NO. 0356.421 "LUCERNE", 20" X 18", WALL HUNG, SINGLE HOLE CHICAGO NO. 333-E2805-665PSHABCP FAUCET, CHICAGO NO. 1013-ABCP LOOSE KEY STOP WITH RIGID SUPPLY, McGUIRE NO. PW155WC DRAIN, McGUIRE NO. PWV8090NCO P-TRAP AND J.R. SMITH 0700 FLOOR MOUNTED SUPPORT WITH CONCEALED ARMS.
UR 1	URINAL	INT.	2"	1 1/2"	--	3/4"	--	A/S NO. 6590.125 "WASHBROOK FloWise 0.125" WALL HUNG, COMPLETE WITH STAINLESS STEEL STRAINER, SLOAN ROYAL MODEL NO. 186-0.125 HIGH EFFICIENCY FLUSH VALVE AND J.R. SMITH NO. 636 WALL HANGER.
UR 2	URINAL (ACCESSIBLE)	INT.	2"	1 1/2"	--	3/4"	--	A/S NO. 6590.125 "WASHBROOK FloWise 0.125" WALL HUNG, COMPLETE WITH STAINLESS STEEL STRAINER, SLOAN ROYAL MODEL NO. 186-0.125 HIGH EFFICIENCY FLUSH VALVE AND J.R. SMITH NO. 636 WALL HANGER. MOUNT WITH RIM HEIGHT AT +17" A.F.F.
DF 1	DRINKING FOUNTAIN (ACCESSIBLE) WALL MOUNTED DUAL HEIGHT	1 1/2"	2"	1 1/2"	--	1/2"	--	HAWS NO. 1119.14, HI-LO, 14 GAUGE, TYPE 304, STAINLESS STEEL, NO. 4 SATIN FINISH, DUAL HEIGHT WALL MOUNTED, LEAD FREE, ADA COMPLIANT, COMPLETE WITH VANDAL-RESISTANT BOTTOM PLATE, NO. 6422 STRAINER, CHICAGO NO. 45-LKABCP LOOSE KEY STOPS, HAWS NO. 6700.4 MOUNTING PLATE AND MODEL 6800 SUPPORT CARRIER.
SS 1	SERVICE SINK	3"	3"	2"	3/4"	3/4"	--	A/S NO. 7892.008 "LAKEWELL" ENAMELED CAST IRON, WALL MOUNTED, COMPLETE WITH CHICAGO NO. 305-VBCP FITTING WITH INTEGRAL STOPS, PAIL HOOK, VACUUM BREAKER AND ADJUSTABLE SUPPLY ARMS, A/S NO. 8379.018 RIM GUARD, 3" DIAMETER CAST IRON P-TRAP WITH STRAINER AND FLOOR SUPPORT AND WALL HANGER.
FD 1	FLOOR DRAIN	2"	2"	2"	--	--	--	J.R. SMITH NO. 2005-A-P OR ZURN NO. ZN-415-B-P, CAST IRON, COMPLETE WITH ROUND POLISHED NICKEL-BRONZE TOP, FLASHING COLLAR.
TP 1	TRAP PRIMER	--	--	--	--	1/2"	--	MIFAB M1-500 TRAP SEAL PRIMER, WITH 1/2" TYPE "L" COPPER PIPE TO RECEPTOR, INSTALL PER MANUFACTURER'S INSTRUCTIONS, BEHIND ACCESS PANEL.
WHA 1	WATER HAMMER ARRESTOR	--	--	--	--	--	--	MIFAB WATER HAMMER ARRESTOR NO. MWH-A OR MWH-B SIZE AND INSTALL PER MANUFACTURER'S INSTRUCTIONS BEHIND ACCESS PANEL.
HB 1	HOSE BIBB	--	--	--	--	3/4"	--	ACORN MODEL NO. 8121 HOSE BIBB WITH WALL FLANGE, BENT NOSE AND VACUUM BREAKER.

**GENERAL NOTES**

- ALL WORK SHALL BE PERFORMED AND ALL MATERIALS INSTALLED IN COMPLIANCE WITH THE FOLLOWING CODES AS ADOPTED AND AMENDED BY THE INSPECTING AUTHORITY. NOTHING IN THESE DRAWINGS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES OR ANY OTHERS APPLICABLE TO THIS PROJECT:  
2010 California Green Building Standards Code, (First Printing), Includes Errata through January 1, 2011  
2010 California Building Code Title 24, Part 2, (First Printing)  
2010 California Fire Code, Title 24, Part 9, (First Printing)  
2010 California Energy Code, Title 24, Part 6, (First Printing)  
2010 California Administrative Code, Title 24, (First Printing)  
2010 California Referenced Standards Code, Title 24, Part 12, (First Printing)  
2010 California Electrical Code, Title 24 Part 3  
2010 California Mechanical Code, Title 24, Part 4  
2010 California Plumbing Code Title 24, Part 5
- THE CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS, SIZE AND CHARACTERISTICS OF THE EXISTING UTILITIES AND PIPING BEFORE COMMENCEMENT OF WORK AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT OF ANY PROBLEMS.
- THE CONTRACTOR SHALL FURNISH ALL LABOR AND MATERIALS NECESSARY TO RELOCATE, REMOVE, REPLACE, REINSTALL AND RECONNECT ANY EXISTING PIPING TO ACCOMMODATE THE NEW WORK. MATERIALS SHALL BE AS SPECIFIED UNLESS OTHERWISE APPROVED IN WRITING BY THE CITY PROJECT MANAGER.
- ALL EXISTING PIPING DAMAGED DURING EXCAVATION SHALL BE REPAIRED WITH MATERIALS TO MATCH EXISTING BY THE CONTRACTOR.
- ALL EXISTING PIPING AND EQUIPMENT THAT IS REMOVED SHALL BE DISPOSED OF AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PATCHING AND REPAIRING ALL PAVED AREAS WHICH ARE EXCAVATED AND/OR DAMAGED BY HIS OPERATIONS. IN ADDITION, THE CONTRACTOR SHALL RESTORE TO THEIR ORIGINAL CONDITION ALL PLANTED AREAS DAMAGED BY HIS OPERATIONS.
- ALL CUTTING OF EXISTING PAVINGS, WALKS AND/OR FLOORS SHALL BE BY MACHINE SAW CUTTING. HOLES FOR PIPES IN CONCRETE WALLS OR FLOORS SHALL BE DONE BY CORE DRILLING EQUIPMENT.
- ALL VALVES, UNIONS, ETC. TO BE SAME SIZE AS PIPE UNLESS OTHERWISE INDICATED ON DRAWINGS.
- EXACT LOCATIONS AND MOUNTING HEIGHTS OF ALL PLUMBING FIXTURES SHALL BE OBTAINED FROM THE ARCHITECTURAL DRAWINGS.
- PENETRATIONS SHALL BE PROTECTED BY AN APPROVED PENETRATION FIRESTOP SYSTEM INSTALLED AND TESTED IN ACCORDANCE WITH UBC STANDARD 7-5 (ASTM E814).
- PIPING THROUGH FIRE RATED WALLS SHALL BE PER U.L. FIRE RESISTANCE SYSTEM NO. UL#827. SEE ARCHITECTURAL PLANS FOR ALL LOCATIONS.
- ALL UNDERGROUND IRON, COPPER OR STEEL PIPING LOCATED BOTH INSIDE AND OUTSIDE OF BUILDING SHALL BE ENCASED WITHIN A MINIMUM 10 MIL POLYETHYLENE PLASTIC SLEEVE SEALED WATER TIGHT WITH POLYVINYL CHLORIDE TAPE.
- UNLESS SPECIFICALLY SHOWN ON THESE PLANS, NO STRUCTURAL MEMBER SHALL BE CUT, DRILLED NOR NOTCHED WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE STRUCTURAL ENGINEER AND THE DISTRICT STRUCTURAL ENGINEER FROM THE DIVISION OF THE STATE ARCHITECT.

**LEGEND**

SYMBOL	ABBREVIATION	DESCRIPTION
---	S OR W	SOIL OR WASTE
----	V	SANITARY VENT
----	CW	COLD WATER
----	HW	HOT WATER
---	G	GAS
---	(E)W	EXISTING SOIL OR WASTE
---	(E)V	EXISTING SANITARY VENT
---	(E)CW	EXISTING COLD WATER
---	(E)HW	EXISTING HOT WATER
---	XG	EXISTING GAS
---	FCO	FLOOR CLEANOUT
---	COYB	CLEANOUT IN YARDBOX
---	WCO	WALL CLEANOUT
---	SOV IN YB	SHUT-OFF VALVE IN YARD BOX
---	GV	GATE VALVE
---	N.I.C.	NOT IN CONTRACT
---	VTR	VENT THRU ROOF
---	VA	VALVE
---	POC	POINT OF CONNECTION
---	I.E.	INVERT ELEVATION
---	CONN	CONNECTION
---	AP	ACCESS PANEL
---	W/	WITH
---	FLR	FLOOR
---	CLG	CEILING
---	ABV	ABOVE
---	BEL	BELOW
---	DN	DOWN

**PIPING MATERIAL SCHEDULE**

SEE SPECIFICATIONS AND GENERAL NOTES FOR ADDITIONAL REQUIREMENTS

SERVICE	LOCATION	MATERIAL
DOMESTIC WATER	COLD WATER	TYPE "L" COPPER TUBING W/ WROUGHT COPPER SWEAT FITTINGS
	HOT WATER	SAME AS ABOVE W/ 1" THICK MANVILLE MICRO-LOCK INSULATION
SANITARY WASTE	ABOVE FLOOR	NO-HUB CAST IRON W/ "TYLER" WIDE BODY S.S. 4-BAND COUPLINGS
	BELOW FLOOR	NO-HUB CAST IRON W/ "TYLER" WIDE BODY S.S. 4-BAND COUPLINGS
SANITARY VENT	CONCEALED	NO-HUB CAST IRON W/ "TYLER" 2-BAND S.S. COUPLINGS
	EXPOSED	NO-HUB CAST IRON W/ "TYLER" 2-BAND S.S. COUPLINGS
HOT WATER	CONCEALED	TYPE "L" COPPER TUBING W/ WROUGHT COPPER SWEAT FITTINGS WITH 1" THICK MANVILLE MICRO-LOCK INSULATION
	EXPOSED	TYPE "L" COPPER TUBING W/ WROUGHT COPPER SWEAT FITTINGS WITH 1" THICK MANVILLE MICRO-LOCK INSULATION



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BENCH MARK:  
NO. \_\_\_\_\_ ELEV. \_\_\_\_\_  
DATE ADJ. \_\_\_\_\_ QUAD. \_\_\_\_\_  
SEE TOPOGRAPHIC SURVEY MAP  
ROBERT RYAN PARK  
PREPARED BY  
MCGEE SURVEYING CONSULTING  
805.964.3520

**REVISIONS**

NO.	DESCRIPTION	APP.	DATE

**CITY OF RANCHO PALOS VERDES**  
**RYAN PARK RESTROOMS IMPROVEMENT**  
**AND ACCESSIBILITY COMPLIANCE**  
**PLUMBING LEGEND**  
**AND SCHEDULES**

DRAWN BY : JS  
DESIGNED BY : JS  
CHECKED BY : SA/RC

SHT. 18 OF 20 SHTS

PLAN NO. **P-1**