

PLUMBING NOTES

1. IT IS NOT INTENDED THAT THE DRAWINGS SHALL SHOW EVERY PIPE FITTING, VALVE AND APPURTENANCE, ALL SUCH ITEMS WHETHER SPECIFICALLY MENTIONED OR NOT, OR INDICATED ON THE DRAWINGS SHALL BE FURNISHED AND INSTALLED IF NECESSARY TO COMPLETE THE SYSTEM TO THE SATISFACTION OF THE OWNER.

2. ALL PLUMBING WORKS SHALL BE INSTALLED IN ACCORDANCE WITH THE PROVISION OF THE NATIONAL PLUMBING CODE OF THE PHILIPPINES, THE REQUIREMENTS OF THE LOCAL PLUMBING INSPECTION OFFICE, PERTINENT PROVISIONS OF THE UNIFORM BUILDING CODE AND UNIFORM PLUMBING CODE.

3. ALL PLUMBING INSTALLATION SHALL BE COORDINATED WITH OTHER TRADES. ANY REVISION IN THE PIPING LAYOUT REQUIRED FOR PROPER EXECUTION OF OTHER TRADES SHALL BE WITH PRIOR APPROVAL OF THE ENGINEER.

4. HORIZONTAL SANITARY SEWER PIPING SHALL BE RUN IN PRACTICAL ALIGNMENT AT A MINIMUM SLOPE OF 1% FOR PIPES 100MMØ AND LARGER AND 2% FOR 75MMØ AND SMALLER.

5. ALL VENT PIPES SHALL BE FREE FROM DROPS OR SAGS AND SHALL BE SLOPED OR GRADED AS TO DRIP BACK BY GRAVITY TO THE DRAINAGE PIPE IT SERVES.

6. THE CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES AT SITE, THAT IS, THE ACTUAL PIPE SIZES, LOCATIONS, DEPTHS, TOP & INVERT ELEVATIONS OF ALL EXISTING PIPES AND RELATED STRUCTURES. THE CONTRACTOR SHALL PROVIDE THE NECESSARY EXCAVATIONS, BACKFILLING & SURFACE RESTORATION OF THE AFFECTED AREAS IN THE LAYING OF SEWER & WATER SUPPLY LINES.

7. THE WATER DISTRIBUTION LINE SHALL HAVE A MINIMUM COVER OF 750MM. PROVIDE CONCRETE ENCASEMENT FOR LESS THAN 750MM PIPE COVER

8. CONCRETE THRUST BLOCKS SHALL BE PROVIDED IN ACCORDANCE WITH THE STANDARD
DETAIL DRAWINGS AT ALL BENDS, TEES, VALVES, REDUCERS & PLUGS EXCEPT WHERE
WELDED JOINTS ARE SHOWN OR SPECIFIED.

9. PROVIDE VALVE BOX FOR EACH EMBEDDED GATE VALVE

10. ALL DIMENSIONS & PIPE SIZES ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN.

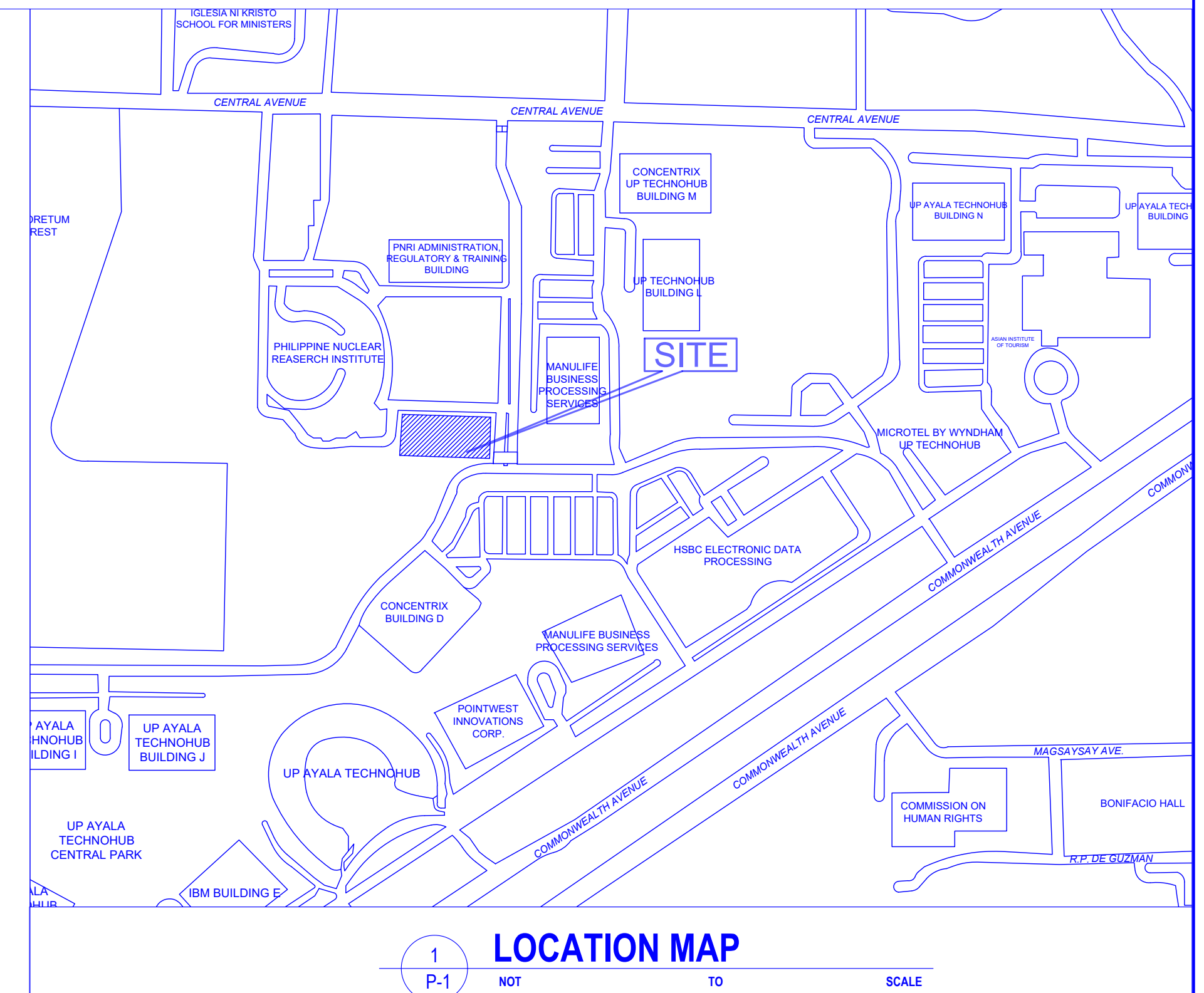
11. ALL PIPE SIZES SHOWN ON PLAN WERE SIZED ACCORDING TO THEIR INSIDE DIAMETER

MINIMUM FIXTURE BRANCH PIPE SIZE

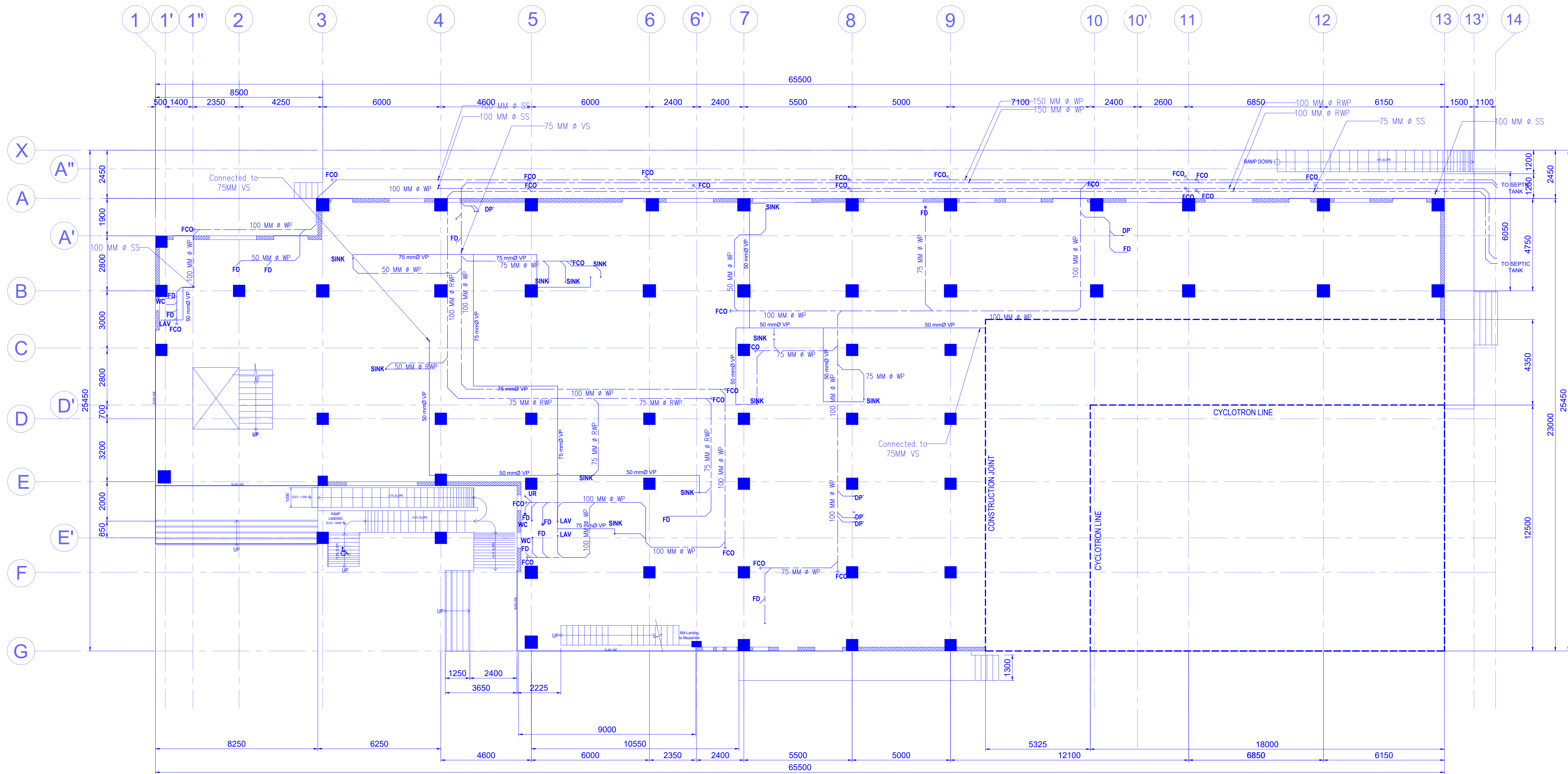
FIXTURE TYPE	WATER SUPPLY	SANITARY DRAINAGE
WATER CLOSET (FLUSH VALVE)	25 MM Ø (1")	100 MM Ø (4")
WATER CLOSET (FLUSH TANK)	20 MM Ø (1/2")	100 MM Ø (4")
URINAL (FLUSH VALVE)	20 MM Ø (3/4")	50 MM Ø (3")
LAVATORY	20 MM Ø (1/2")	50 MM Ø (3")
SHOWER	20 MM Ø (1/2")	50 MM Ø (3")
KITCHEN / PANTRY SINK	20 MM Ø (1/2")	50 MM Ø (3")
SINK (FLUSHING RIM CLINIC)	20 MM Ø (1/2")	75 MM Ø (3")
SERVICE / SLOP SINK	20 MM Ø (1/2")	75 MM Ø (3")

LEGEND, SYMBOLS & ABBREVIATION

VSTR	—	VENT STACK THRU ROOF	
SVTR	—	STACK VENT THRU ROOF	
SS	—	SOIL STACK	
VS	—	VENT STACK	
FD	—	FLOOR DRAIN	
FCO	—	FLOOR CLEAN OUT	
LAV	—	LAVATORY	
WC	—	WATER CLOSET	
SHO	—	SHOWER	
DP`	—	DRAIN PORT	
AC	—	AIR CHAMBER	
DS	—	DOWNSPOUT	
GV	—	GATE VALVE	
EWH	—	ELECTRIC WATER HEATER	
RD	—	ROOF DRAIN	
CB	—	CATCH BASIN	
RED	—	REDUCER	



 E. A. RAMIREZ CONSTRUCTION, INC. DESIGNER DEVELOPER BUILDER Location : EARCOW Bldg., 31 Commonwealth Ave., Ext., Brgy. Sta. Monica, Quezon City 1117 Tels. : +63 9255989 Telefax : +63 2719325	Ed Angelo D. Ramirez PROJECT MANAGER	PROJECT TITLE:  Department of Science and Technology Philippine Nuclear Research Institute Innovating Nuclear Medicine Research and Services: Development of Emerging PET Radiopharmaceuticals for Early Cancer Staging and Assessment of Biological Functions in Cancer Cells (C.Y. 2021) (Phase 2) LOCATION: PNB Compound, Commonwealth Avenue, Diliman, Quezon City	REVIEWED BY: Engr. Rosalino B. Rojas SENIOR SCIENCE RESEARCH SPECIALIST	Engr. Arturo F. Salih SENIOR SCIENCE RESEARCH SPECIALIST	Engr. Andrew C. Barrida ENGINEER II	Engr. Renato T. Bañaga ESS HEAD	Adelina DM. Bulos END-USER/ ITS HEAD	PRECIOSA CORAZON B. PABROA, PH. D. NSD CHIEF	Vallerie Ann I. Samson, Ph. D. OIC, DEPUTY DIRECTOR	Carlo A. Arcilla, Ph. D. DIRECTOR	SHEET CONTENTS: GENERAL NOTES LOCATION MAP FIXTURE BRANCH PIPE SIZE LEGENDS & SYMBOLS	DESIGNED BY: N.C.S. DESIGN DEV'T: E.A.D.R. DRAWING PRODUCTION: E.A.D.R. ACAD BY: M.M.J.D.G.	SHEET NO. P - 1
		CHECKED BY:										PAGE NO. OF TOTAL NO. OF PAGES	15 OF 19
		PROJECT NUMBER:											



WALL LEGENDS	
	150mm thk. CHB W/ 10mmØ DEF. REBAR @ 0.60 O.C. B.W.
	200mm thk. REINFORCED CONCRETE WALL (Phase 1)

LEGENDS					
WP	WASTE PIPE		RWP	RADIOACTIVE WASTE PIPE	
WL	WATER LINE		SVTR	SOIL VENT THRU ROOF	

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P-2
SCALE 1:100m

GROUND FLOOR SEWER LINE LAYOUT

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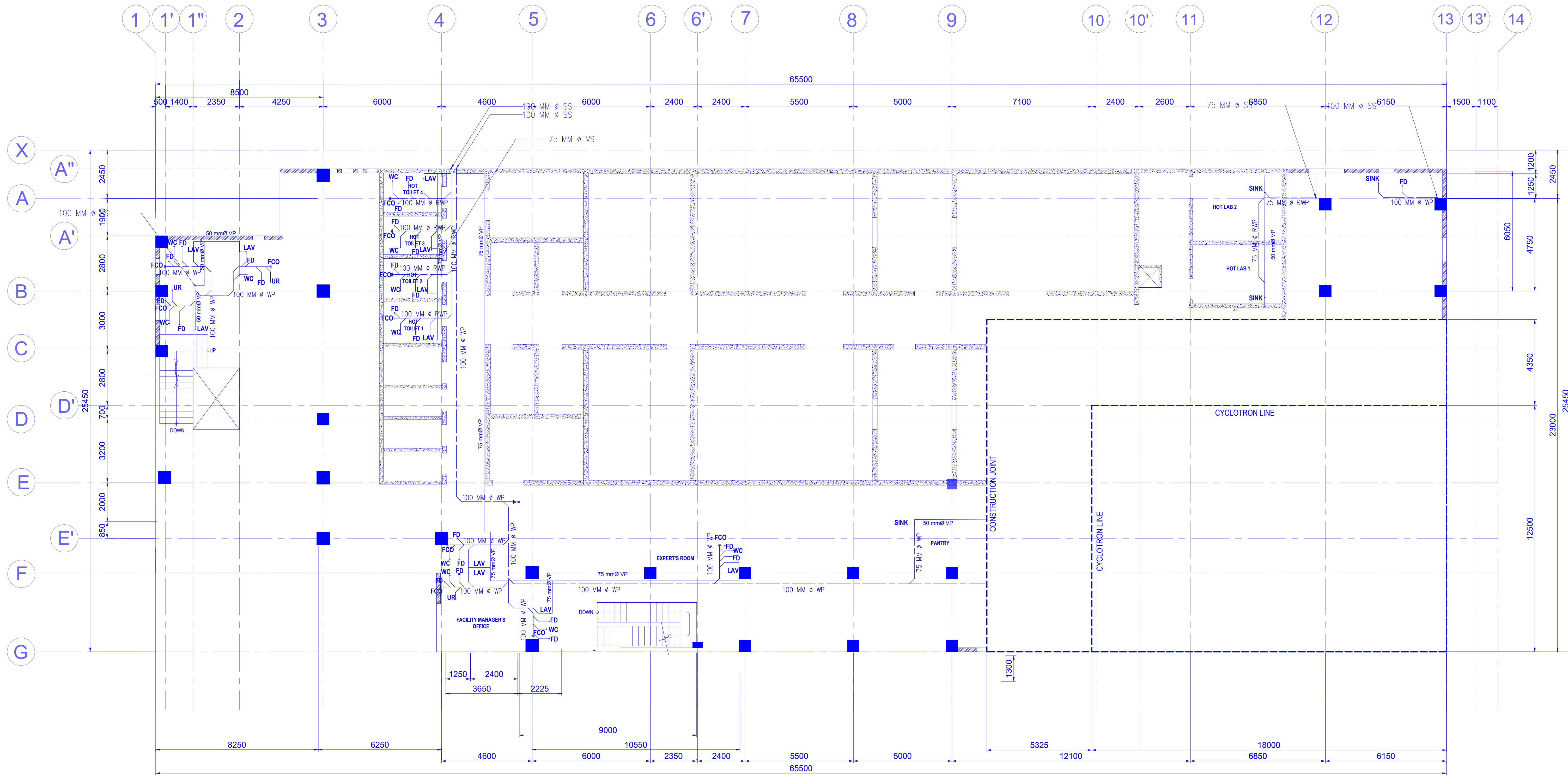
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GROUND FLOOR
SEWER LINE LAYOUT

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1 P-3 SECOND FLOOR SEWER LINE LAYOUT
SCALE 1:100m

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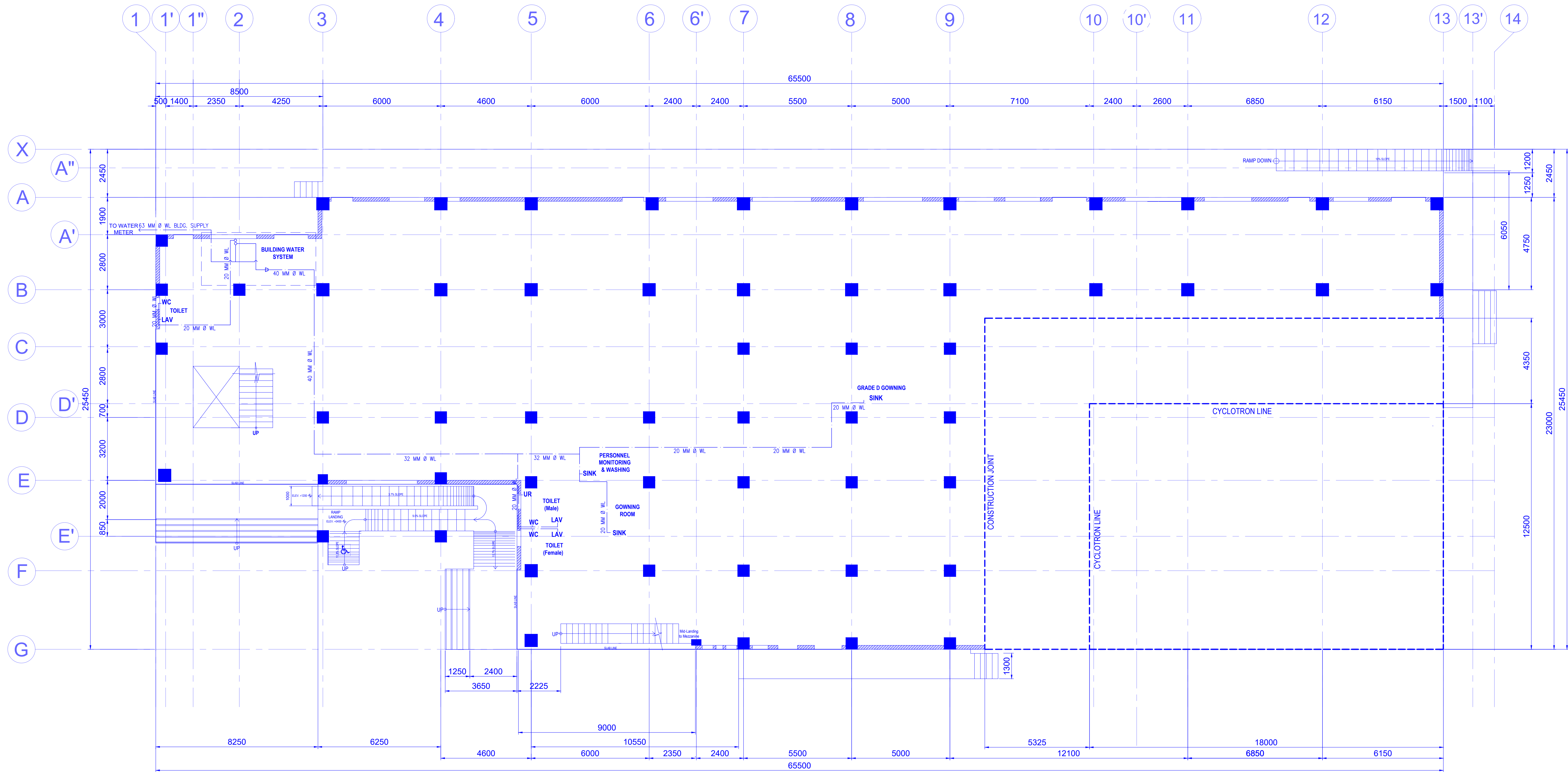
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SECOND FLOOR
SEWER LINE LAYOUT

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P-4

GROUND FLOOR WATER LINE LAYOUT

SCALE 1:100m

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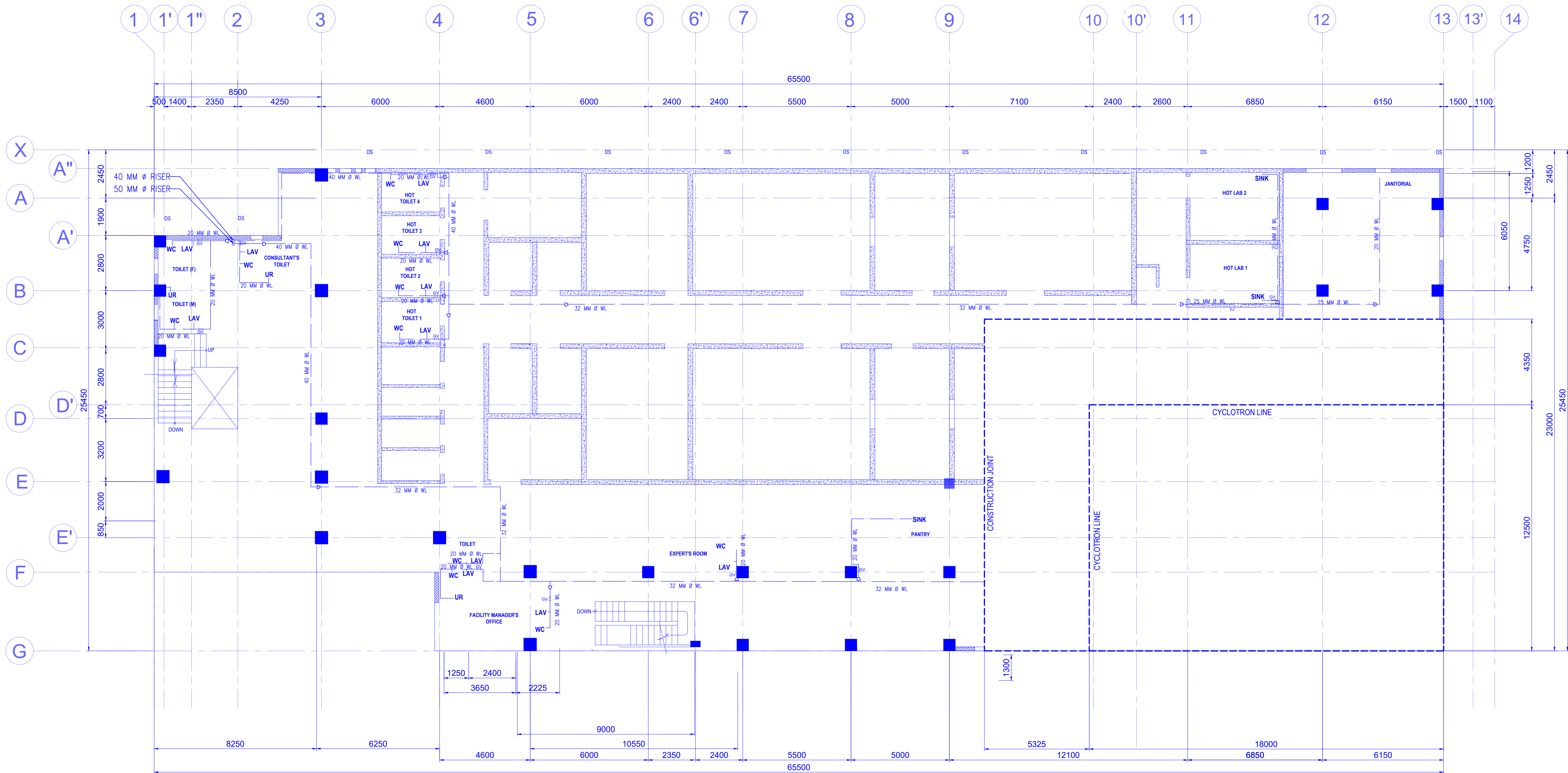
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1 SECOND FLOOR WATER LINE LAYOUT
P-5
SCALE 1:100m