

EH CAPSULE HOUSING COMMUNITY

A. BERMUDA DEPARTMENT OF PLANNING NOTES

- ALL WORK SHALL COMPLY WITH APPLICABLE SECTIONS OF ALL LOCAL CODES AND AMENDMENTS TO DATE, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
 - BERMUDA BUILDING CODE 2014 (ADOPTED FROM IBC 2012)
 - BERMUDA MECHANICAL CODE 2014 (ADOPTED FROM IMC 2012)
 - BERMUDA ELECTRICAL CODE 2014 (ADOPTED FROM NEC 2011)
 - BERMUDA PLUMBING CODE 2014 (ADOPTED FROM IPC 2012)
 - BERMUDA ENERGY CONSERVATION CODE 2014 (ADOPTED FROM IECC 2012)
 - BERMUDA FIRE CODE 2014 (ADOPTED FROM NFPA STANDARDS)
- ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF OF ALL APPLICABLE REFERENCE STANDARDS, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
 - ANSI
 - ASPE
 - ASHRAE STANDARD 90.1: ENERGY STANDARD FOR BUILDINGS
- ALL WORK SHALL BE SUBJECT TO SPECIAL INSPECTIONS AS APPLICABLE:
 - WIND RESISTANCE (IBC SECTION 1705.10)
 - SPRAYED FIRE-RESISTANT MATERIALS (IBC SECTION 1705.13)
 - MASTIC AND INTUMESCENT FIRE RATED COATINGS (IBC SECTION 1705.14)
 - FIRE RESISTANT PENETRATION AND JOINTS (IBC SECTION 1705.16)
 - ENERGY CODE INSPECTIONS
- ALL WORK SHALL COMPLY WITH THE GOVERNMENT OF BERMUDA LAWS AND REGULATIONS, INCLUDING BUT NOT LIMITED TO:
 - BERMUDA PUBLIC HEALTH ACT 1949
 - BERMUDA OCCUPATIONAL SAFETY & HEALTH REGULATIONS 2009

B. OCCUPATIONAL HEALTH, SAFETY AND ENVIRONMENT (OHSE) REQUIREMENTS

- THE CONTRACTOR SHALL PROVIDE DIRECT SUPERVISION OVER THEIR WORKFORCE ON SITE, AND ENSURE THEIR WORK CONFORMS TO OHSE POLICIES.
- THE CONTRACTOR SHALL SUPPLY AND UTILIZE THE APPROPRIATE PERSONAL PROTECTION EQUIPMENT (PPE) FOR ALL WORKS.
- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY AND APPLICABLE PERMITS OR APPROVALS.
- THE CONTRACTOR SHALL ELIMINATE OR CONTROL ALL SAFETY HAZARDS AND POTENTIAL ENVIRONMENTAL IMPACTS ASSOCIATED WITH THE PROJECT.

C. GENERAL NOTES

- REMOVAL AND RELOCATION OF CERTAIN EXISTING WORK WILL BE NECESSARY FOR THE PERFORMANCE OF THE WORK. EXISTING CONDITIONS ARE NOT COMPLETELY DETAILED ON THE DRAWINGS. CONTRACTOR SHALL SURVEY THE SITE AND INCLUDE ALLOWANCE FOR SUCH REMOVALS AND RELOCATIONS.
- WORK SHALL BE DONE WHEN AND AS DIRECTED AND SHALL BE PERFORMED SO AS TO CAUSE THE LEAST POSSIBLE INCONVENIENCE AND DISTURBANCE TO THE SURROUNDING POPULATION. PLAN INSTALLATION OF NEW WORK AND CONNECTIONS TO EXISTING WORK TO AVOID INTERFERENCE WITH REGULAR OPERATION OF EXISTING FACILITIES.
- MATERIALS, DOCUMENTATION AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH LOCAL CODES, REFERENCE STANDARDS, AND AS SPECIFIED.
- DISCONNECT, REMOVE AND/OR RELOCATE EXISTING MATERIALS, EQUIPMENT AND OTHER WORK AS NOTED OR REQUIRED FOR PROPER INSTALLATION OF NEW WORK.
- FIREPROOFING AND INSULATION DISTURBED BY NEW CONSTRUCTION SHALL BE RESTORED TO ORIGINAL CONDITION.
- SUPPORT ALL PIPING AND/OR EQUIPMENT FROM BUILDING STRUCTURE, FLOORS, AND BURIED IN TRENCH IN AN APPROVED MANNER. WHERE OVERHEAD CONSTRUCTION DOES NOT PERMIT FASTENING OF SUPPORTS FOR EQUIPMENT, FURNISH ADDITIONAL FRAMING.
- SEAL OPENINGS AROUND PIPING THROUGH WALLS AND FOUNDATION SLABS IN AN APPROVED MANNER USING MINERAL WOOL OR OTHER NON-COMBUSTIBLE MATERIAL. ALL PENETRATIONS SHALL BE FIRE-PROOFED, AS REQUIRED.
- CONTRACTOR TO PROVIDE FULLY COORDINATED SHOP DRAWINGS AND SUBMITTALS FOR THE ENGINEER'S REVIEW PRIOR TO PROCUREMENT, FABRICATION, OR INSTALLATION OF NEW WORK.
- CONTRACTOR SHALL USE EXTREME CAUTION WHEN INSTALLING FIXTURES OR PIPING ON OR IN FINISHED WALLS AND PARTITIONS.
- PROVIDE ANGLE STOPS ON WATER PIPING AT ALL FIXTURES.
- CONTRACTOR SHALL VERIFY EXACT LOCATION OF EXISTING PIPING IN FIELD BEFORE ANY INSTALLATION OF NEW WORK.
- FOR EXACT LOCATION OF PLUMBING FIXTURES, REFER TO ARCHITECTURAL DRAWINGS.
- ALL PLUMBING WORK SHALL COMPLY WITH BUILDING STANDARDS AND REQUIREMENTS.
- ALL NEW PLUMBING FIXTURES SHALL COMPLY WITH WATER CONSERVATION LAWS.
- ALL FIXTURES SHALL BE AS SPECIFIED BY ARCHITECT, FURNISHED AND INSTALLED BY PLUMBING CONTRACTOR.
- CONTRACTOR SHALL PROVIDE TRAP PRIMERS FOR ALL FLOOR DRAINS
- CONTRACTOR SHALL PROVIDE ACCESS DOORS TO ALL DOMESTIC WATER VALVES

AND TRAP PRIMERS.

- CONTRACTOR SHALL PROVIDE WATER HAMMER ARRESTORS ON ALL QUICK CLOSING FIXTURES.
- CONTRACTOR TO FIRE PROOF AND SEAL ALL PENETRATIONS THROUGH EXTERIOR WALLS IN AN APPROVED MANNER.
- THE EQUIPMENT SCHEDULES ARE PROVIDED FOR REFERENCE ONLY. THE CLIENT/ARCHITECT MAY CHOOSE THE MAKE AND MODEL. HOWEVER, ANY SELECTED EQUIPMENT SHALL BE TECHNICALLY EQUIVALENT TO THE EQUIPMENT SPECIFIED IN THE SCHEDULE.

D. DEMOLITION

- CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS BEFORE ANY WORK IS BEGUN.
- ALL EXITS SHALL BE KEPT READILY ACCESSIBLE AND UNOBSTRUCTED AT ALL TIMES.
- ALL WASTE AND DEBRIS SHALL BE REMOVED IN APPROVED CONTAINERS ON A DAILY BASIS.
- ALL EXISTING PLUMBING FIXTURES NO LONGER IN USE SHALL BE REMOVED WITH ASSOCIATED PIPING. PLUG AND CAP AT SOURCE ALL UNUSED PIPING.
- REMOVE UNUSED WASTE PIPING AND PATCH FLOOR PENETRATION AS REQUIRED.
- ALL PIPING THROUGH SLAB SHALL BE CUT AND CAPPED BELOW FLOOR. REFER TO ARCHITECTURAL DRAWINGS FOR PATCHING OF SLAB TO MATCH EXISTING.
- ALL EXISTING BASE BUILDING UTILITIES, RISERS AND ALL SHAFTS SHALL REMAIN UNLESS OTHERWISE NOTED.
- EXISTING RAIN WATER LINE TO EXISTING TANK SHALL REMAIN.
- LOCATION OF DRAINS AND PIPING ARE APPROXIMATE. CONTRACTOR WILL VERIFY IN FIELD.
- REMOVAL OF ALL EXISTING PIPING BEING ABANDONED SHALL COMPLY TO LOCAL AND STATE BUILDING CODE AS TO ELIMINATE THE POSSIBILITY OF FUTURE BREAKS AND UNNECESSARY INTERFERENCES IN HUNG CEILINGS.
- WHERE EQUIPMENT OR PIPING IS TO BE REMOVED, CONTRACTOR SHALL REMOVE ALL COLLATERAL SUPPORTS, HANGERS AND APPURTENANCES.
- CARE MUST BE TAKEN WHERE SLAB AND CEILINGS ARE TO BE DEMOLISHED TO PROTECT AND PROVIDE SUPPORT FOR ANY EXISTING EQUIPMENT OF PIPING WHICH IS TO REMAIN. (VERIFY IN FIELD)
- ALL REMOVED ITEMS THAT ARE NOT BEING REUSED AND ALL EXCESS MATERIAL AND EQUIPMENT NOT DESIRED BY THE OWNER SHALL BE IMMEDIATELY MOVED FROM THE SITE BY THIS CONTRACTOR.
- THE CONTRACTOR SHALL COORDINATE THE DEMOLITION WORK WITH THE OWNER AND OTHER TRADES.
- PROTECT ALL EXISTING SOIL, WASTE, VENT AND WATER PIPES THAT ARE TO BE REUSED UPON COMPLETION OF DEMOLITION
- CONTRACTOR SHALL PATCH AND REPAIR ALL FLOOR AND WALL OPENINGS TO MATCH EXISTING UPON COMPLETION OF PLUMBING DEMOLITION WORK.
- ALL PLUMBING ROUGH INS WHICH ARE TO BE REMOVED MUST HAVE WATER SUPPLY SHUT OFF PRIOR TO DISCONNECTING AND REMOVING TO PREVENT FLOODING IN THE EVENT THAT PIPES ARE DAMAGED DURING DEMOLITION.
- THE CONTRACTOR SHALL GIVE AMPLE WRITTEN NOTICE IN ADVANCE TO THE OWNER OF ANY REQUIRED SHUTDOWNS OF BUILDING SERVICES.

E. EQUIPMENT

- INVESTIGATE PATH THROUGH WHICH EQUIPMENT WILL BE MOVED. ASCERTAIN FROM BUILDING MANAGEMENT WHAT TIMES OF DAY EQUIPMENT MAY BE MOVED.
- ALL EQUIPMENT SHALL BE INSTALLED IN FULL COMPLIANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- INSTALL EQUIPMENT AS TO BE READILY ACCESSIBLE FOR OPERATION, MAINTENANCE AND REPAIR. MINOR DEVIATIONS FROM DRAWINGS MAY BE REQUIRED TO ACCOMPLISH THIS.

F. PIPING

- PIPING SYSTEMS SHALL BE CLEANED, VACUUM / LEAK TESTED.
- WHERE PIPING CONNECTIONS FOR FIXTURES DIFFER FROM THE LINE SIZE PIPING, IT SHALL BE RESPONSIBILITY OF THE PLUMBING CONTRACTOR TO FURNISH AND INSTALL THE NECESSARY REDUCER/EXPANDER FITTINGS TO ENABLE CONNECTION BETWEEN THE PIPING SYSTEM AND EQUIPMENT.
- PROVIDE DIELECTRIC FITTINGS BETWEEN TWO DISSIMILAR METALS.
- WATER HAMMER ARRESTOR CONFORMED TO ASSE 1010 SHALL BE INSTALLED WHERE QUICK-CLOSING DEVICES ARE UTILIZED.
- WATER DISTRIBUTION PIPING AND FITTINGS SHALL CONFORM TO NSF 61 AND HAVE A PRESSURE RATING OF 150 PSI MINIMUM.
- ALL VALVES SHALL BE OF AN APPROVED TYPE AND MATERIAL COMPATIBLE WITH THE SYSTEM PIPING TYPE. ALL VALVES INTENDED TO SUPPLY POTABLE WATER SHALL MEET THE REQUIREMENTS OF NSF 61.
- PVC PIPING SHALL NOT BE RUN THROUGH FIRE RATED WALLS OR USED IN RETURN AIR PLENUMS.
- CLEANOUTS SHALL BE PROVIDED AS REQUIRED BY APPLICABLE CODES. CLEANOUTS IN DRAINAGE LINES SHALL BE INSTALLED IN THE FOLLOWING LOCATIONS:

- AT THE BOTTOM OF EACH FIXTURE TRAP WHICH IS NOT INTEGRAL WITH THE FIXTURE
- AT THE END OF EACH BRANCH DRAINAGE LINE
- AT EACH POINT WHERE DRAINAGE LINES CHANGE DIRECTIONS
- AT THE FOOT OF EACH INSIDE RISING SOIL OR WASTE LINE
- IN EVERY HORIZONTAL LINE AT NOT MORE THAN FIFTY (50) FEET ON CENTER.

- ALL HOT WATER SUPPLY & RETURN PIPING REQUIRES $\frac{3}{4}$ " WALL ARM-A-FLEX INSULATION.

- ALL PIPING SANITARY, WASTE, VENT, DOMESTIC HOT OR COLD THAT IS RUN THROUGH EXISTING TRANSFORMER AREAS, TO BE INSTALLED WITH FIREMASTER 3M OR EQUIVALENT (FIRE RATED INSULATION).

G. TESTING & COMMISSIONING

- CONTRACTOR TO VERIFY OPERATING PRESSURES OF EXISTING DOMESTIC WATER SYSTEM.
- PRESSURE TEST NEW DOMESTIC WATER PIPING (HOT WATER AND COLD WATER), AND SUBMIT PRESSURE TEST REPORT FOR THE ENGINEER'S RECORD. PRESSURE TEST SHALL BE PERFORMED AT 1.5 TIMES THE WORKING WATER PRESSURE FOR A PERIOD OF 3 HOURS MINIMUM.
- TEST ALL WASTE, SANITARY AND VENT SYSTEMS WITH A MINIMUM OF TEN (10) FEET HEAD OF WATER. PIPING SHALL BE TIGHT AND LEAK FREE AT ALL POINTS.
- TEST ALL PIPING SYSTEMS VALVES FOR FULLY LEAK-TIGHT CLOSURE WHEN SUBJECTED TO NORMAL OPERATING PRESSURES.
- ALL CONCEALED PIPING SHALL BE TESTED BEFORE CLOSING CEILING CONSTRUCTION.
- TEST EQUIPMENT CONTROLS, INCLUDING HOT WATER HEATER CONTROLLER, LEAK ALARMS, AND VERIFICATION OF REMOTE CONTROL & MONITORING POINTS AT EXISTING BUILDING MANAGEMENT SYSTEM.
- CONTRACTOR SHALL SUBMIT ALL START-UP, TESTING, AND COMMISSIONING REPORTS FOR THE ENGINEER'S REVIEW.

H. TAGS, CHARTS AND NAMEPLATES

- CONTRACTOR SHALL PROPERLY IDENTIFY AND LABEL EACH VALVE, CONTROL, MOTOR, FAN AND PIECE OF APPARATUS IDENTIFIED ON THE PLUMBING DRAWINGS.
- EACH VALVE SHALL HAVE A BRASS TAG WITH IDENTIFYING NUMBER. TAG SHALL BE SECURED TO VALVE STEM WITH A SUFFICIENT LENGTH OF COPPER COATED JACK CHAIN TO ALLOW TAG TO BE EASILY READ. CONTRACTOR SHALL INCLUDE A VALVE IDENTIFICATION CHART IN THEIR SUBMITTAL PACKAGE.
- ALL NAMEPLATES AND LABELS SHALL IDENTIFY COMPONENTS BY PROPER NOMENCLATURE AND NUMBERED ACCORDING TO THE EQUIPMENT SCHEDULES.

I. SUBMITTALS / SHOP DRAWINGS

- THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR THE FOLLOWING:
 - PLUMBING FIXTURES, SUPPORTS AND TRIM
 - VALVES
 - PIPE INSULATION
 - BACKFLOW PREVENTORS
 - ELECTRIC WATER HEATERS AND CONTROLS
 - MIXING VALVES
 - WATER HAMMER ARRESTORS
 - HANGERS AND SUPPORTS
 - TRAP PRIMERS
 - ACCESS DOORS AND CLEAN-OUT PLATES

SHEET INFORMATION	
SHEET NO.	DESCRIPTION
P-001	NOTES, SPECS & SCHEDULES
P-101	SITE SANITARY PLUMBING
P-102	SITE DOMESTIC PLUMBING
P-103	POTABLE WATER TANKS & PUMPING STATIONS DETAILS, SEPTIC TANKS AND SAND CHAMBER DETAILS.
P-104	STORM DRAINAGE

WATER FILTRATION UNIT SCHEDULE															
MARK	SYSTEM	QUANTIT Y	MICRON RATING	SIZE	AREA SERVED (CAPSULE)	CONNECT IONS IN (NPT)	RATE LIFE (HRS)	LAMP VOLT	LAMP WATTS	LAMP WAVELE NGTH (NM)	WATER FLOW (GPM (MAX))	PRESSUR E (PSI (MAX))	MANUFAC TURER	MODEL	NOTES
BP-01	FILTER 1	1	5	4.5"x20"	1-3	1.5	N/A	N/A	N/A	N/A	40.0	90.0	HYDRONIX	SPC-45-2005	1-3
	FILTER 2	1	1	4.5"x20"		1.5	N/A	N/A	N/A	N/A	30.0	90.0	HYDRONIX	SPC-45-2001	1-3
	UV LIGHT	1	N/A	36.93"x 5.5"		1.5	9000.0	110-240	39.0	254	36.0	125.0	HYDRONIX	UVA-36 B	1-3
	FILTER HOUSING	2	N/A	4.5"x20"	FILTER 1 & 2	1.5	N/A	N/A	N/A	N/A	N/A	N/A	HYDRONIX	HF45-20 BLBK15P R	1-3
BP-02	FILTER 1	1	5	4.5"x20"	4-6	1.5	N/A	N/A	N/A	N/A	40.0	90.0	HYDRONIX	SPC-45-2005	1-3
	FILTER 2	1	1	4.5"x20"		1.5	N/A	N/A	N/A	N/A	30.0	90.0	HYDRONIX	SPC-45-2001	1-3
	UV LIGHT	1	N/A	36.93"x 5.5"		1.5	9000.0	110-240	39.0	254	36.0	125.0	HYDRONIX	UVA-36 B	1-3
	FILTER HOUSING	2	N/A	4.5"x20"	FILTER 1 & 2	1.5	N/A	N/A	N/A	N/A	N/A	N/A	HYDRONIX	HF45-20 BLBK15P R	1-3
BP-03	FILTER 1	1	5	4.5"x20"	7-9	1.5	N/A	N/A	N/A	N/A	40.0	90.0	HYDRONIX	SPC-45-2005	1-3
	FILTER 2	1	1	4.5"x20"		1.5	N/A	N/A	N/A	N/A	30.0	90.0	HYDRONIX	SPC-45-2001	1-3
	UV LIGHT	1	N/A	36.93"x 5.5"		1.5	9000.0	110-240	39.0	254	36.0	125.0	HYDRONIX	UVA-36 B	1-3
	FILTER HOUSING	2	N/A	4.5"x20"	FILTER 1 & 2	1.5	N/A	N/A	N/A	N/A	N/A	N/A	HYDRONIX	HF45-20 BLBK15P R	1-3
NOTE: 1. PROVIDE WITH UNIT MOUNTED DISCONNECT. 2. PROVIDE WITH ISOLATION VALVE AND BACKFLOW PREVENTER ETC. 3. ALL OTHER INSTALLATIONS ARE TO BE FOLLOWED IN ACCORDANCE WITH MANUFACTURERS GUIDELINES, BERMUDA & AMERICAN CODES. AMERICAN CODES.															

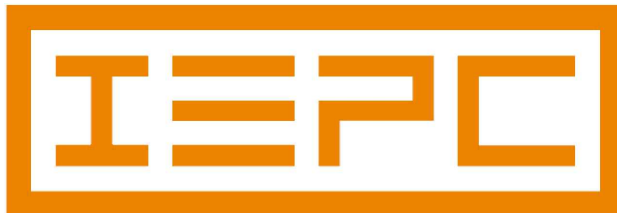
BOOSTER PUMP SCHEDULE

MARK	SYSTEM	AREA SERVED (CAPSULE)	CONNECTIONS IN (NPT)	WATER FLOW		ELECTRICAL			MANUFACTURER	MODEL	WEIGHT (LBS)	MAX SUCTION (FT)	DIMENSIONS (W X H X D) (IN)	NOTES
				GPM (MAX)	HEAD (MAX) FT	V/PH/Hz	MCA	WATTS						
BP-01	WATER PRESSURISATION SYSTEM	1-3	1.0	31.7	213.0	230 / 60 / 1	10.0	1500	DAB	E.SYBOX	30.8	26.0	14.17" x 26.97" x 19.52"	1-4
BP-02	WATER PRESSURISATION SYSTEM	4-6	1.0	31.7	213.0	230 / 60 / 1	10.0	1500	DAB	E.SYBOX	30.8	26.0	14.17" x 26.97" x 19.52"	1-4
BP-03	WATER PRESSURISATION SYSTEM	7-9	1.0	31.7	213.0	230 / 60 / 1	10.0	1500	DAB	E.SYBOX	30.8	26.0	14.17" x 26.97" x 19.52"	1-4
NOTE: 1. PROVIDE WITH UNIT MOUNTED DISCONNECT. 2. PROVIDE WITH ISOLATION VALVE AND BACKFLOW PREVENTER ETC. 3. ALL OTHER INSTALLATIONS ARE TO BE FOLLOWED IN ACCORDANCE WITH MANUFACTURERS GUIDELINES, BERMUDA & AMERICAN CODES. 4. THE GRUNDFOS CIRCULATOR CAN BE SCHEDULED OR HAS INBUILT SENSOR. IF OTHER CIRCULATOR IS TO BE SELECTED MAKE SURE THAT HAS SIMILAR SPECS OR TIMER/TEMP CONTROLLED FOR ENERGY SAVINGS. 5. THIS DAB PUMP IS TO BE ORDERED /w CONTROL UNIT/INPUT MODULE & EXTERNAL FLOAT SWITCH														

CLIENT:

Bermuda Housing Corporation
Seven Arches Building,
44 Church Street
Hamilton HM 12, Bermuda

ENGINEER OF RECORD:

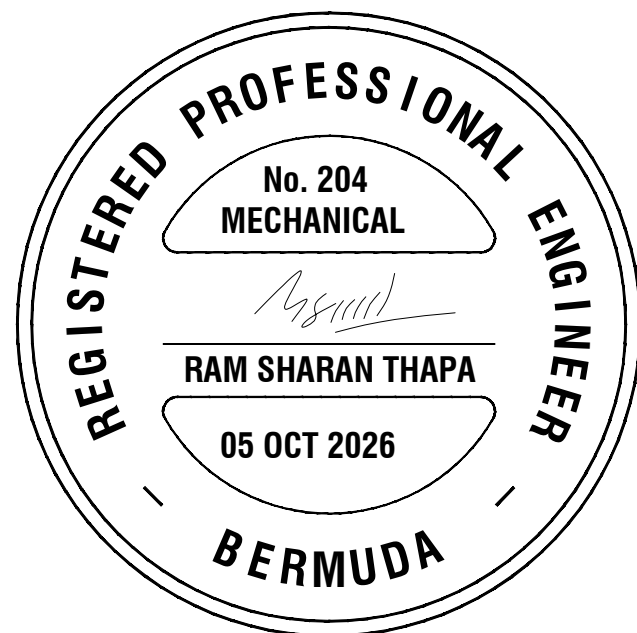


ENGINEERING SERVICES

25 Serpentine Road, Pembroke HM 07
Phone: (441) 294-3693
Email: info@iepc.bm
www.iepc.bm

NOTES:

- THE AUTOCAD DRAWINGS HAVE BEEN DEVELOPED CONFIDENTIALLY FOR THIS PROJECT. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR & SUB CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND REQUIREMENTS.
- IEPC LIMITED HAS NOT VERIFIED THE ACCURACY OR THE SCALE OF THE EXISTING AUTOCAD BACKGROUNDS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY DIMENSIONS.
- THE DRAWINGS ARE SCHEMATIC ONLY, DEMONSTRATING THE ROUTING AND APPROXIMATE LOCATIONS OF EXISTING SERVICES.
- THE CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION & COORDINATION WITH EXISTING SYSTEM FOR DEMOLITIONS, INSTALLATION & 'AS-BUILT' INFORMATION.
- THE DRAWINGS DO NOT REFLECT ELECTRICAL SYSTEM OR ACCESSORIES.



REVISIONS

No.	DATE	BY	REVISION
A	2026-10-05	VPR	REVISED SEPTIC TANK FOR BOUNDARY REVIEW

PROJECT DETAILS

EH CAPSULE HOUSING COMMUNITY

MALABAR ROAD (BOZA ISLAND), SANDY'S

TITLE

PLUMBING

NOTES, SPECIFICATIONS & SCHEDULES

DRAWN BY: VPR

CHECKED BY: RST

JOB No: IEPC#09060004

DATE: 25-MAR-2026

REVISION: A

SHEET NO: 1-OF-5

SHEET No:

P-001



1 SITE SANITARY - PLUMBING
P-10 / SCALE: 3/32" = 1'-0"

CLIENT:
Bermuda Housing Corporation
Seven Arches Building,
44 Church Street
Hamilton HM 12, Bermuda

ENGINEER OF RECORD:

IEPC

ENGINEERING SERVICES

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REVISIONS			
No.	DATE	BY	REVISION
A	2026-09-29	VPR	REVISED FOR IDENTIFYING BOUNDARY
B	2026-10-02	VPR	REVISED SEPTIC TANK FOR BOUNDARY REVIEW
C	2026-10-05	VPR	REVISED SEPTIC TANK FOR BOUNDARY REVIEW

PROJECT DETAILS

EH CAPSULE HOUSING COMMUNITY

MALABAR ROAD (BOZA ISLAND), SANDY'S

TITLE

PLUMBING

SITE SANITARY PLUMBING

DRAWN BY: VPR

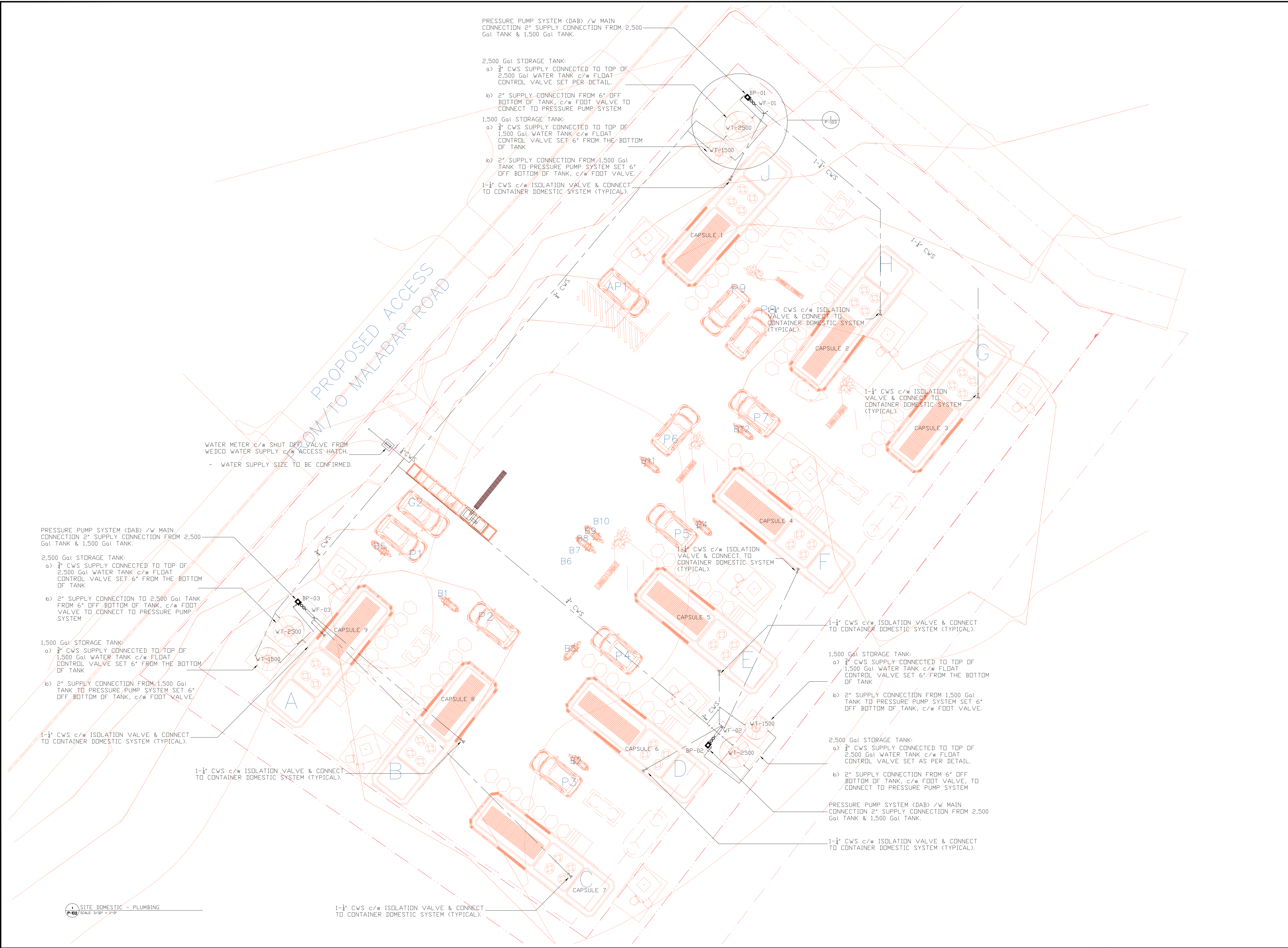
CHECKED BY: RST

JOB No: IEPC#09060004

DATE: 25-MAR-2026

REVISION: C
SHEET NO: 2-OF-5

SHEET No: P-101



CLIENT:

Bermuda Housing Corporation
Seven Arches Building,
44 Church Street
Hamilton HM 12, Bermuda

ENGINEER OF RECORD:

IEPC

ENGINEERING SERVICES

25 Serpentine Road, Pembroke HM 07
Phone: (441) 294-3693
Email: info@iepc.bm
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2.

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SCALE OF THE EXISTING AUTOCAD BACKGROUNDS. IT
SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO
FIELD VERIFY DIMENSIONS.

3.

THE DRAWINGS ARE SCHEMATIC ONLY, DEMONSTRATING
THE ROUTING AND APPROXIMATE LOCATIONS OF
EXISTING SERVICES.

4.

THE CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION
& COORDINATION WITH EXISTING SYSTEM FOR
DEMOLITIONS, INSTALLATION & 'AS-BUILT' INFORMATION.

5.

THE DRAWINGS DO NOT REFLECT ELECTRICAL SYSTEM OR
ACCESSORIES.

REGISTERED PROFESSIONAL ENGINEER

No. 204
MECHANICAL

Ram Sharan Thapa

RAM SHARAN THAPA

05 OCT 2026

BERMUDA

REVISIONS

No.	DATE	BY	REVISION
A	2026-10-05	VPR	REVISED SEPTIC TANK FOR BOUNDARY REVIEW

PROJECT DETAILS

EH CAPSULE HOUSING
COMMUNITY

MALABAR ROAD (BOZA ISLAND), SANDY'S

TITLE

PLUMBING
SITE DOMESTIC PLUMBING

DRAWN BY: VPR

CHECKED BY: RST

JOB No:

IEPC#09060004

DATE:

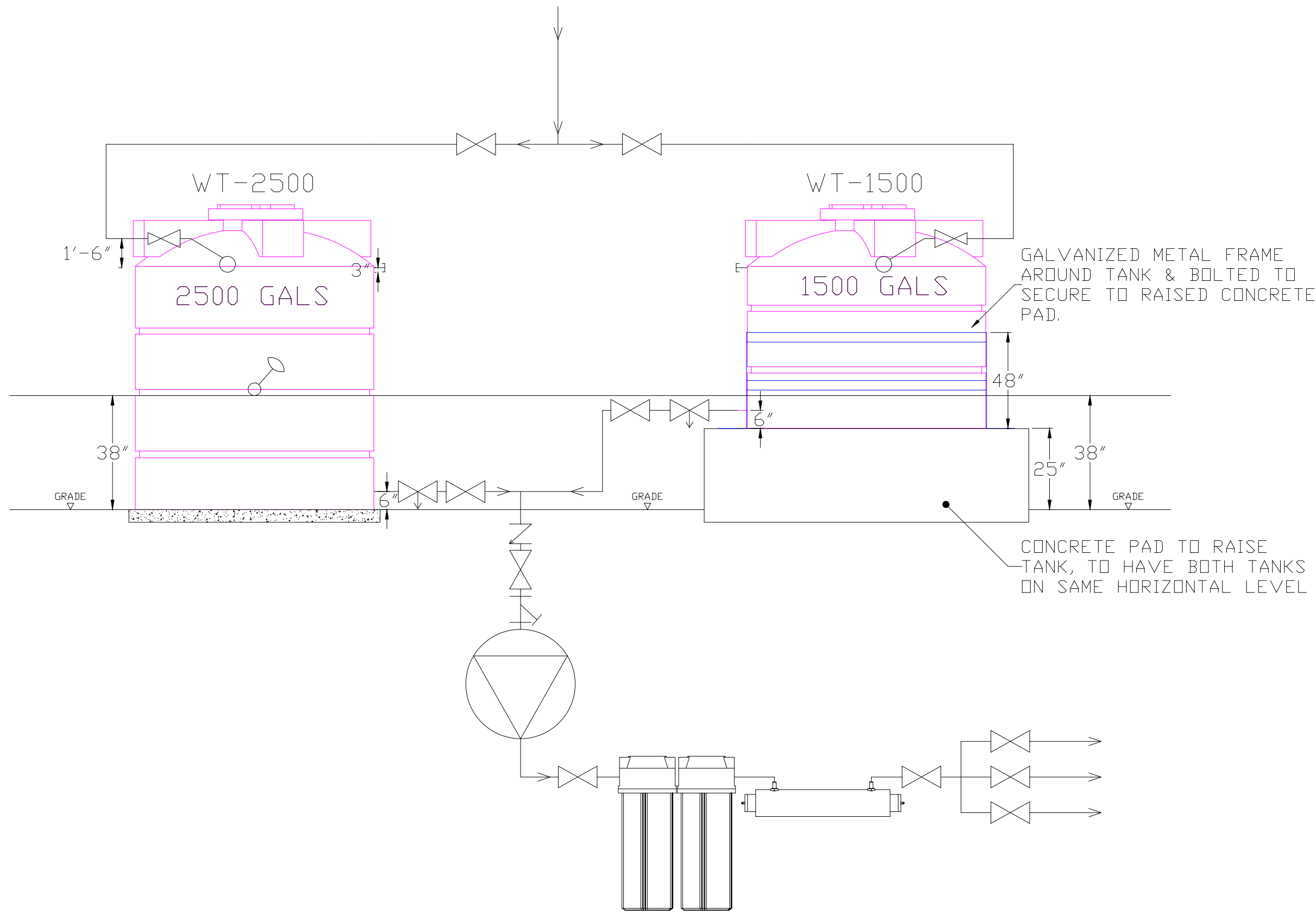
25-MAR-2026

REVISION: A

SHEET No:

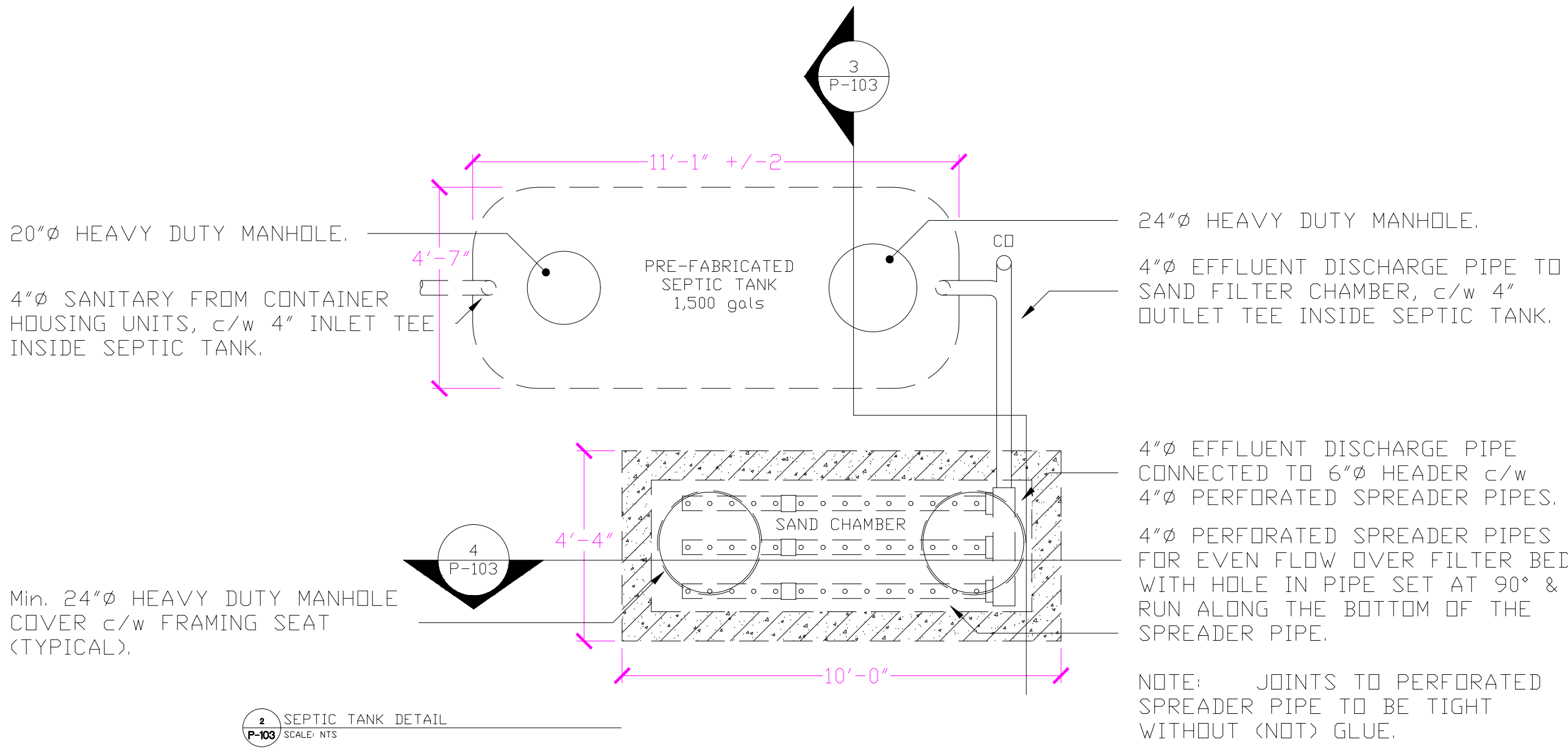
SHEET NO: 3-OF-5

P-102



1 TANKS & PIPING DOMESTIC - PLUMBING INSTALLATIONS LAYOUT
P-103 SCALE: NTS

LEGENDS	
LEGENDS	DESCRIPTION
	ISOLATION VALVE
	FLDAT VALVE
	DRAIN VALVE
	NON-RETURN VALVE
	STRAINER
	BOOSTER PUMP
	DAB PUMP, FILTERS & UV LIGHT SET
	WATER FILTER CARTRIDGE TYPE
	FLDAT SWITCH



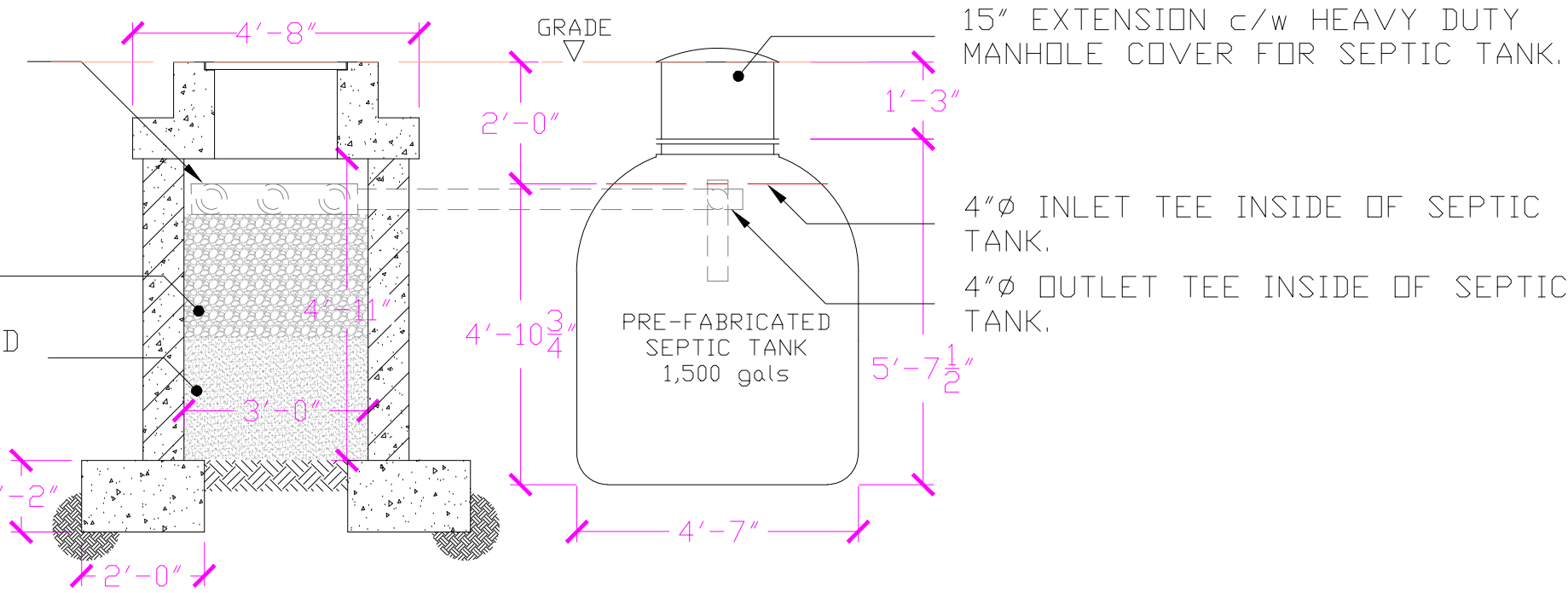
2 SEPTIC TANK DETAIL
P-103 SCALE: NTS

6"Ø HEADER PIPE c/w 4"Ø PERFORATED SPREADER PIPES FOR EVEN FLOW OVER FILTER BED. WITH HOLE IN PIPE SET AT 90° & RUN ALONG THE BOTTOM OF THE SPREADER PIPE.

NOTE: JOINTS TO PERFORATED SPREADER PIPE TO BE TIGHT WITHOUT (NOT) GLUE.

¾" PEA GRAVEL 2'-0" LEVEL.

CLEAN, SIFTED CONSTRUCTION SAND (NOT BEACH SAND) 2'-0" LEVEL.

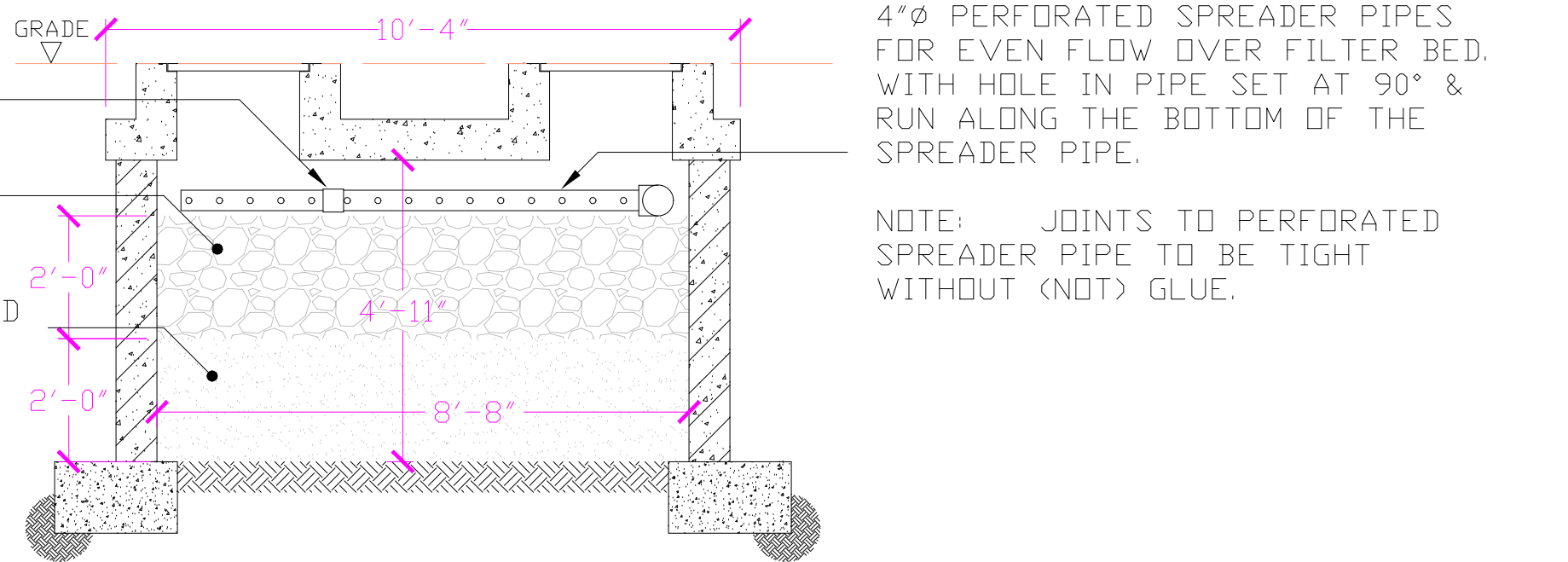


3 SEPTIC TANK SECTION DETAIL
P-103 SCALE: NTS

JOINTS IN EFFLUENT DISCHARGE PIPE FOR DISASSEMBLY.

¾" PEA GRAVEL 2'-0" LEVEL.

CLEAN, SIFTED CONSTRUCTION SAND (NOT BEACH SAND) 2'-0" LEVEL.



4 SEPTIC TANK SAND FILTER SECTION DETAIL
P-103 SCALE: NTS

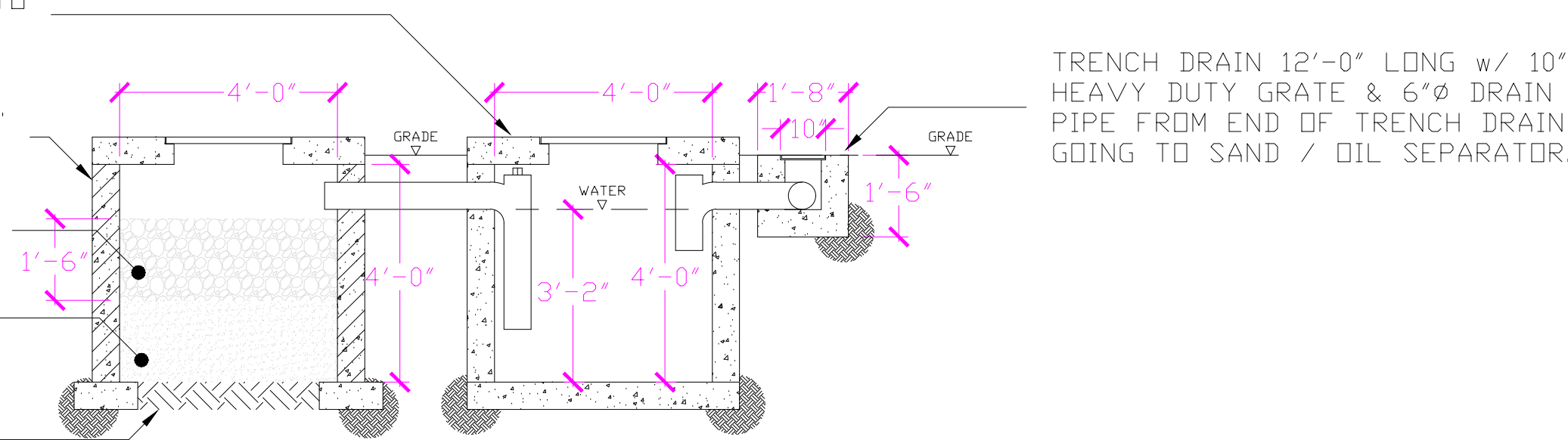
4'-0"×4'-0"×4'-0" SAND / OIL SEPARATOR, c/w 6" DRAIN PIPE TO SOAK AWAY PIT. c/w 24" HEAVY DUTY ACCESS COVER.

4'-0"×4'-0"×4'-0" SOAK AWAY PIT. c/w 24" HEAVY DUTY ACCESS COVER.

¾" CRUSHED BERMUDA STONE PEA GRAVEL.

CLEAN ENGINEERED SAND FILL, SITTING ON FILTER CLOTH.

UNDISTURBED SOIL.



5 TRENCH DRAIN & SOAK AWAY - DETAIL
P-103 SCALE: NTS

CLIENT:
Bermuda Housing Corporation
Seven Arches Building,
44 Church Street
Hamilton HM 12, Bermuda

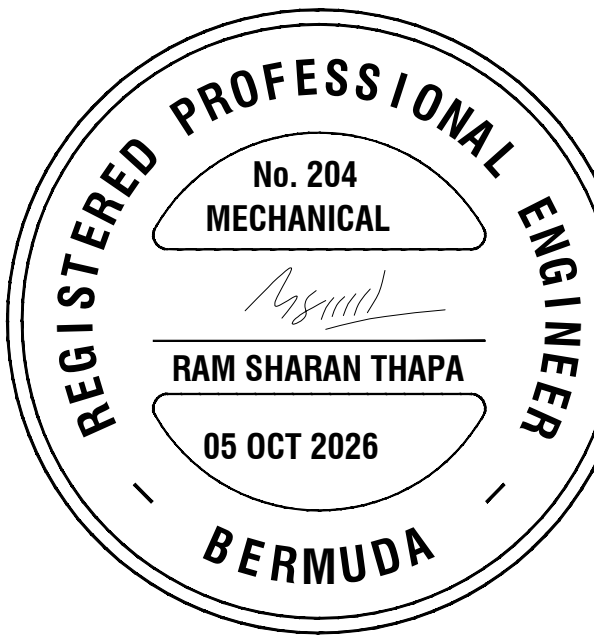
ENGINEER OF RECORD:



ENGINEERING SERVICES
25 Serpentine Road, Pembroke HM 07
Phone: (441) 294-3693
Email: info@iepc.bm
www.iepc.bm

NOTES:

- THE AUTOCAD DRAWINGS HAVE BEEN DEVELOPED CONFIDENTIALLY FOR THIS PROJECT. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR & SUB CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND REQUIREMENTS.
- IEPC LIMITED HAS NOT VERIFIED THE ACCURACY OR THE SCALE OF THE EXISTING AUTOCAD BACKGROUNDS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY DIMENSIONS.
- THE DRAWINGS ARE SCHEMATIC ONLY, DEMONSTRATING THE ROUTING AND APPROXIMATE LOCATIONS OF EXISTING SERVICES.
- THE CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION & COORDINATION WITH EXISTING SYSTEM FOR DEMOLITIONS, INSTALLATION & 'AS-BUILT' INFORMATION.
- THE DRAWINGS DO NOT REFLECT ELECTRICAL SYSTEM OR ACCESSORIES.



REVISIONS

No.	DATE	BY	REVISION
A	2026-10-05	VPR	REVISED FOR DETAILS FOR SEPTIC TANK

PROJECT DETAILS

EH CAPSULE HOUSING COMMUNITY

MALABAR ROAD (BOZA ISLAND), SANDY'S

TITLE

PLUMBING

POTABLE WATER TANKS & PUMPING STATIONS
DETAILS. SEPTIC TANKS AND SAND CHAMBER
DETAILS

DRAWN BY: VPR

CHECKED BY: RST

JOB No: IEPC#09060004

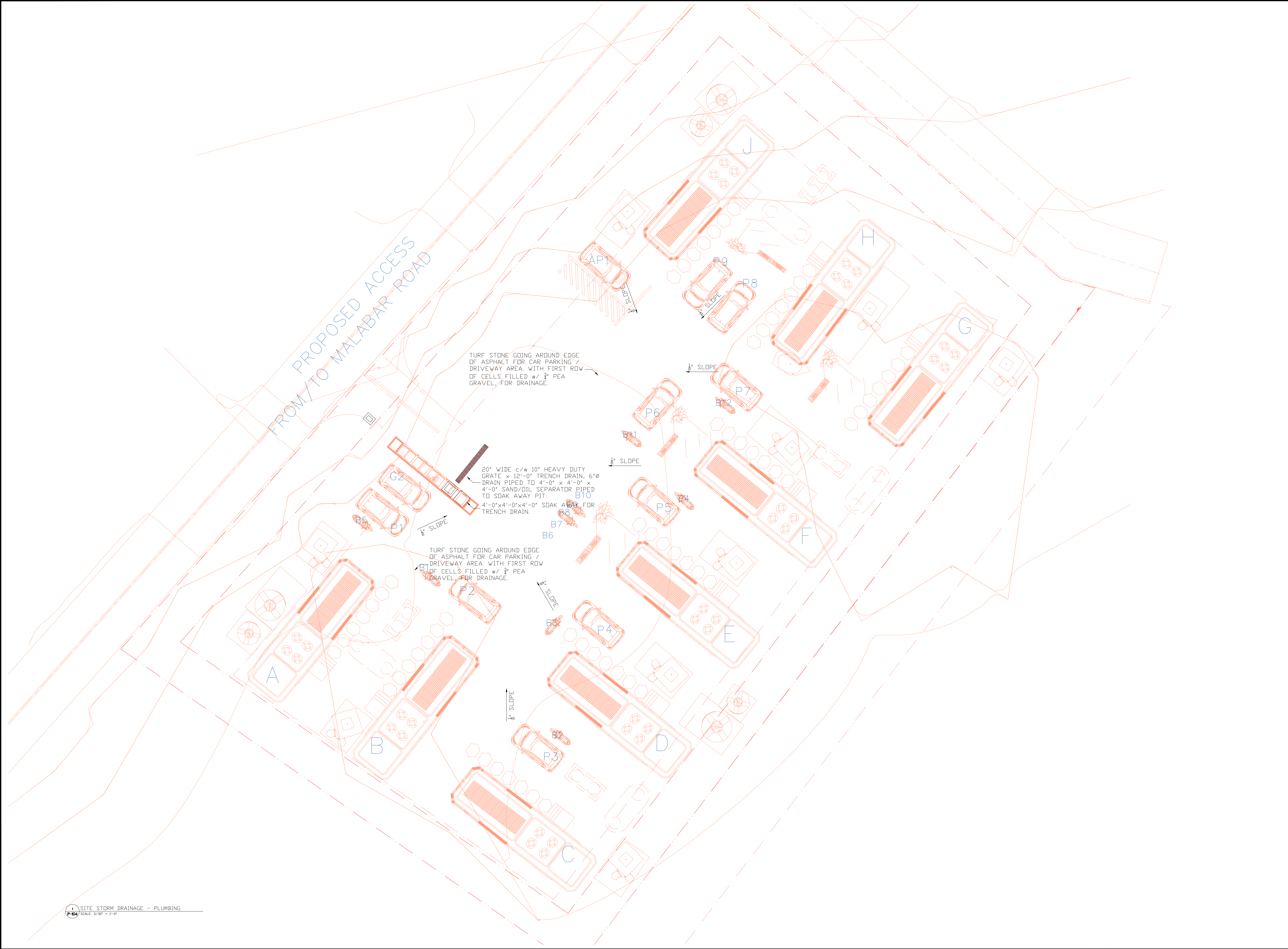
DATE: 25-MAR-2026

REVISION: A

SHEET No:

SHEET NO: 4-0F-5

P-103



1 SITE STORM DRAINAGE - PLUMBING
SCALE: 3/32" = 1'-0"

CLIENT:

Bermuda Housing Corporation
Seven Arches Building,
44 Church Street
Hamilton HM 12, Bermuda

ENGINEER OF RECORD:

IEPC

ENGINEERING SERVICES

25 Serpentine Road, Pembroke HM 07
Phone: (441) 294-3693
Email: info@iepc.bm
www.iepc.bm

NOTES:

1.

THE AUTOCAD DRAWINGS HAVE BEEN DEVELOPED
CONFIDENTIALLY FOR THIS PROJECT. IT IS THE
RESPONSIBILITY OF THE GENERAL CONTRACTOR & SUB
CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND
REQUIREMENTS.

2.

IEPC LIMITED HAS NOT VERIFIED THE ACCURACY OR THE
SCALE OF THE EXISTING AUTOCAD BACKGROUNDS. IT
SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO
FIELD VERIFY DIMENSIONS.

3.

THE DRAWINGS ARE SCHEMATIC ONLY, DEMONSTRATING
THE ROUTING AND APPROXIMATE LOCATIONS OF
EXISTING SERVICES.

4.

THE CONTRACTOR IS RESPONSIBLE FOR THE VERIFICATION
& COORDINATION WITH EXISTING SYSTEM FOR
DEMOLITIONS, INSTALLATION & 'AS-BUILT' INFORMATION.

5.

THE DRAWINGS DO NOT REFLECT ELECTRICAL SYSTEM OR
ACCESSORIES.

REGISTERED PROFESSIONAL ENGINEER

No. 204
MECHANICAL

Ram Sharan Thapa

RAM SHARAN THAPA

05 OCT 2026

BERMUDA

REVISIONS

No.	DATE	BY	REVISION
A	2026-10-05	VPR	REVISED SEPTIC TANK FOR BOUNDARY REVIEW

PROJECT DETAILS

EH CAPSULE HOUSING
COMMUNITY

MALABAR ROAD (BOZA ISLAND), SANDY'S

TITLE

SITE - PLUMBING
STORM DRAINAGE

DRAWN BY: VPR

CHECKED BY: RST

JOB No:

IEPC#09060004

DATE:

27-FEBRUARY-2026

REVISION: A

SHEET NO: P-104

SHEET NO: 5-OF-5