- - HOT WATER RECIRCULATION PIPING ←----- VENT PIPING STORM PIPING

CLEAN OUT, EXPOSED

SK - #

3/4"s HW

FIXTURE TAG

KEYED NOTE

LIMIT OF DEMOLITION

CONNECT TO EXISTING

PIPE SIZE AND SYSTEM TAG

AREA OUT OF SCOPE

AREA OF DEMOLITION

VENT THROUGH ROOF

CLEAN OUT DOUBLE YARD CLEANOUT

HB+---S

C-

4

FLOOR DRAIN TPL TRAP PRIMER LINE

(INTERIOR SURFACE) WH+---S WALL HYDRANT W/INTEGRAL VACUUM BREAKER (EXTERIOR SURFACE)

HOSE BIBB W/INTEGRAL VACUUM BREAKER

PIPE CONNECTION, BOTTOM $- \hat{\nabla}$ **—**p— PIPE CONNECTION, TOP 0-

PIPE ELBOW, TURNED DOWN

 \rightarrow ANCHOR, INTERMEDIATE -BUTTERFLY VALVE

PIPE TEE

-GATE VALVE $-\infty$ BALL VALVE 1 CHECK VALVE +STRAINER VALVE

STRAINER (BLOW-OFF) - GAS COCK/GAS STOP

Ų THERMOMETER -BALANCING VALVE

-\$− THERMOSTATIC MIXING VALVE **→**₩ SOLENOID VALVE

PRESSURE REGULATOR

RELIEF VALVE WATER HAMMER ARRESTER/SHOCK ABSORBER

-|-UNION PUMP (SCHEMATIC) WATER METER

GAS METER

⊱_BFP - BACK FLOW PREVENTER

├M**├** DIAMETER

-X

+(w)-

1. THIS LEGEND IS FOR REFERENCE ONLY.
2. ALL SYMBOLS WITHIN THIS LEGEND MAY NOT APPLY TO THIS PROJECT.

PLUMBING ABBREVIATIONS

GD GM

GPM GWH

HD

HP

HW

HWR

IMVB

LAV

MAX

MEZZ

MIN MISC

N/A NG

NTS

OD

PCV PD

GAS METER

HORSEPOWER

HOT WATER

LAVATORY METER

MAXIMUM

MINIMUM

MEZZANINE

MANUFACTURER

MISCELLANEOUS

NOT APPLICABLE

NATURAL GAS NON-POTABLE WATER

NOT TO SCALE

OUTSIDE DIAMETER

PRESSURE DROP

PRESSURE GAUGE

PRESSURE CONTROL VALVE

HEAD HUB OUTLET

GALLONS PER MINUTE

GAS WATER HEATER HOSE BIBB

HOT WATER RETURN

ICE MAKER VALVE BOX

INDUSTRIAL WASTE

INSIDE DIAMETER/DIMENSION

INSTANTANEOUS WATER HEATER

(D)	DEMOLITION	PRV	PRESSURE REDUCING VALVE
(E)	EXISTING	PSI	POUNDS PER SQUARE INCH
(R)	RELOCATED	PVC	POLYVINYL CHLORIDE
AFF	ABOVE FINISHED FLOOR	PW	POTABLE WATER
AFG	ABOVE FINISHED GRADE	R	RADIUS
APPROX	APPROXIMATE	RD	ROOF DRAIN
BFF	BELOW FINISHED FLOOR	RP	RECIRCULATION PUMP
BFP	BACKFLOW PREVENTER	RPBP	REDUCED PRESSURE BACKFLOW PREVENTER
CA	COMPRESSED AIR	RPM	REVOLUTIONS PER MINUTE
CAP	CAPACITY	SAN	SANITARY SEWER PIPING
CO	CLEAN OUT	SK	SINK
COND	CONDENSATE	SP	SUMP PUMP
CONN	CONNECTION	SPEC	SPECIFICATION
CONT	CONTINUATION	STD	STANDARD
D	DRAIN	STO	STORM
DCW	DOMESTIC COLD WATER	SW	SERVICE WATER
DEG	DEGREES	TBD	TO BE DETERMINED
DEMO	DEMOLITION	TCV	TEMPERING VALVE
DIA	DIAMETER	TD	TRENCH DRAIN
DN	DOWN	TEMP	TEMPERATURE
DS	DOWNSPOUT	TMV	THERMOSTATIC MIXING VALVE
DWG	DRAWING	TP	TRAP PRIMER
EA	EACH	TW	TEPID WATER
EEW	EMERGENCY EYE/FACE WASH	TYP	TYPICAL
ENT	ENTERING	UR	URINAL
ESS	EMERGENCY SAFETY SHOWER	V	VENT
ET	EXPANSION TANK	VIF	VERIFY IN FIELD
F	FAHRENHEIT	VS	VENT STACK
FCO	FLOOR CLEAN OUT	VTR	VENT THRU ROOF
FD	FLOOR DRAIN	WB	WASHER BOX
FH	FIRE HYDRANT	WC	WATER CLOSET
FM	FLOW METER	WCO	WALL CLEAN OUT
FPH	FREEZE PROOF HYDRANT	WG	WATER GAUGE
FPM	FEET PER MINUTE	WPD	WATER PRESSURE DROP
GAL	GALLONS		
GD	GARBAGE DISPOSAL		

PLUMBING GENERAL NOTES

APPLICABLE CODES

NDARDS
FBC 2023
FBC-EB 2023
FBC-M 2023
FBC-P 2023
FBC-HT 2023
FBC-EC 2023
FFPC 2023
NEC 2020
OSHA

NOTE: ALL APPLICABLE BUILDING CODES AND STANDARDS NOT SPECIFIED HEREIN.

GENERAL NOTES

- 1. THESE GENERAL NOTES APPLY TO ALL SHEETS, REFER TO INDIVIDUAL SHEETS FOR SHEET NOTES.
- 2. CONTRACT DOCUMENT DRAWINGS ARE DIAGRAMMATIC AND ARE INTENDED TO CONVEY SCOPE AND GENERAL ARRANGEMENT ONLY, DO NOT SCALE FOR MATERIAL QUANTITIES, ALL SCALING SHOULD BE REFERENCED TO ARCHITECTURAL PLANS ONLY.
- 3. ALL EQUIPMENT AND PIPING SHALL BE INSTALLED IN COMPLIANCE WITH THE CODES LISTED IN THE TABLE ABOVE.
- 4. ALL INTERIOR FLOOR DRAINS AND OPEN RECEPTACLES WITH TRAPS SHALL BE PROTECTED BY A TRAP GUARD.
- 5. WATER LINES SHALL NOT BE ROUTED ABOVE ANY ELECTRICAL ROOMS, ELECTRICAL PANELS, OR TELEPHONE ROOMS.
- 6. CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH OTHER TRADES TO MINIMIZE SPATIAL CONFLICTS.
- PROVIDE ACCESS PANELS WITH SQUARE HINGED, LOCKING DOORS FOR ALL CONCEALED VALVES, SHOCK ABSORBERS AND TRAP PRIMERS.
- 8. CONTRACTOR SHALL VERIFY ALL FIELD CONDITIONS AND DIMENSIONS BEFORE CONSTRUCTION
- 9. PROVIDE ISOLATION VALVES AT ALL PIPE CONNECTIONS TO EQUIPMENT.
- 10. PROVIDE WALL PIPE PENETRATIONS AS REQUIRED WHERE PIPE ENTERS BUILDING, SLEEVE AND SEAL OPENING WITH CAULKING AND ESCUTCHEON FOR A WATER-TIGHT INSTALLATION.

- 1. INSTALL ALL PLUMBING EQUIPMENT AND APPURTENANCES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, CONTRACT DOCUMENTS, AND APPLICABLE CODES AND REGULATIONS.
- 2. WHERE TWO OR MORE ITEMS OF THE SAME TYPE OF EQUIPMENT ARE REQUIRED, THE PRODUCT OF
- IDENTIFY ALL NEW PLUMBING EQUIPMENT WITH NAMEPLATES PERMANENTLY ENGRAVED WITH 1/2 INCH HIGH WHITE LETTERS ON A BLACK BACKGROUND, IDENTIFY EQUIPMENT WITH SYMBOLS SHOWN ON THE PLANS AND AREA SERVED DESCRIPTION.
- 4. PROVIDE ELEXIBLE PIPING CONNECTIONS TO ALL OPERATING FOUIPMENT, UNO
- 5. ALL PLUMBING EQUIPMENT PADS SHALL BE FURNISHED AND INSTALLED BY THE GENERAL
- 6. EQUIPMENT AND APPLIANCES SHALL BE ACCESSIBLE FOR SERVICE, INSPECTION, REPAIR AND REPLACEMENT WITHOUT REMOVING PERMANENT CONSTRUCTION, SUFFICIENT CLEARANCE SHALL BE MAINTAINED TO PERMIT CLEANING, REPLACEMENT OF PARTS, CONTROLS AND LUBRICATION OF MOVING

TECH











ВУ					
DESCRIPTION					
111	ı	ı			ı

ER BOOSTER PUMP:
IMPROVEMENTS
PLUMBING
//ATIONS, LE
& NOTES

ABBRE\ PROJ: 200-08486-2400 DESN DRWN. RZI

\PLUMBING DEMOLITION PLAN















5 DEMO PHOTO SCALE: NTS

GENERAL NOTES:

- EXISTING SYSTEMS AND INFORMATION SHOWN ON THESE PLANS WERE DEVELOPED USING EXISTING BUILDING DRAWINGS. CONTRACTOR SHALL VERIFY AT SITE ALL EXISTING SYSTEMS. REMOVE ALL PORTIONS OF PIPING SYSTEMS BEING DEMOLISHED. TERMINATE EXISTING SYSTEMS IN A MANNER THAT WILL NOT CONFLICT WITH NEW WORK, CLOSELY COORDINATE NEW
- CONFLICT WITH NEW WORK, CLOSELY COORDINATE NEW WORK WITH EXISTING SYSTEMS, PROVIDE OFFSETS IN EXISTING AND NEW SYSTEMS AS REQUIRED TO AVOID CONFLICTS.

 2. COORDINATE DEMOLITION AND DISPOSAL WITH THE OWNER.

 2. CONTRACTOR IS RESPONSIBLE TO REMOVE AND DELIVER EXISTING EQUIPMENT, MATERIALS, ETC., BEING DEMOLISHED TO THE OWNER WHERE SO DIRECTED. SHOULD THE OWNER WHERE SO DIRECTED. SHOULD THE OWNER WHERE SO DIRECTED. DEMOLISHED, IT BECOMES THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE AND BE DISPOSED OF IN A LEGAL MANNER.
- AND BE DISPOSED OF IN A LEGAL MANNER.

 4. EXISTING PLUMBING EQUIPMENT, ACCESSORIES, SUPPORTS, CONTROLS, AND OTHER COMPONENTS SHALL BE DEMOLISHED AND REMOVED FROM SITE AS
- SHALL BE DEMOLISHED AND REMOVED FROM SITE AS SHOWN.

 CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY LOCATIONS, DIMENSIONS, AND CONFIGURATION OF ALL EXISTING EQUIPMENT, HANGERS, SUPPORTS, ANCHORS, CONTROLS, ETC.

 CONTRACTOR IS RESPONSIBLE FOR PATCHING ALL PENETRATIONS CREATED BY REMOVAL OF EQUIPMENT, PIPING, ETC. TO MATCH EXISTING, REPAIR ADJACENT CONSTRUCTION AND FINISHES DAMAGED DURING DEMOLITION AND EXTENSION WORK, PATCH TO MATCH ORIGINAL CONSTRUCTION, VERIFY ALTERNATIVE OR SPECIAL REPAIR METHODS WITH ARCHITECT/ENGINEER BEFORE PROCEEDING WITH DEMOLITION.

KEYED NOTES:

REMOVE AND DISPOSE OF EXISTING 3/4" RAW WATER PIPING, INCLUDING ALL ASSOCIATED HANGERS AND SUPPORTS, UP TO THE POINTS INDICATED ON THE DRAWING, REMAINING PIPING TO BE CAPPED.

TETRA ENGINEERING BU! F

TECH IUSINESS NO. 2429







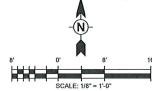
Collier

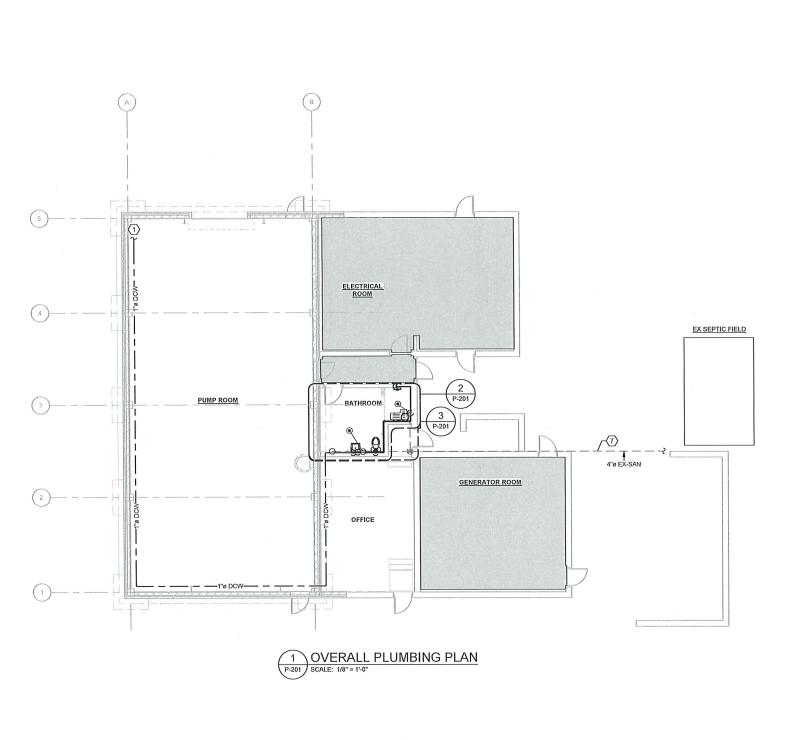
COLLIER COUNTY PUBLIC UTILITIES

RAW WATER BOOSTER PUMP STATION
IMPROVEMENTS

EXISTING PUMP BUILDING
PLUMBING DEMOLITION
PLAN

PROJ: DESN: RWN. RZN







NOT IN PROJECT SCOPE

GENERAL NOTES:

- CONNECTION TO EQUIPMENT AND FIXTURES SHALL BE VERIFIED WITH MANUFACTURER'S CERTIFIED DRAWINGS.
 DIMENSIONS SHALL BE FIELD VERIFIED AND COORDINATED PRIOR TO PROCUREMENT OR FABRICATION. COORDINATE THE WORK WITH OTHER DISCIPLINES INVOLVED. FIELD MODIFICATIONS SUCH AS OFFSETS IN PIPING DUE TO OBSTRUCTIONS OR INTERFERENCES SHALL BE PROVIDED AT NO ADDITIONAL COST.
- COST.

 3. CONTRACTOR IS RESPONSIBLE FOR RESTORATION OF WALL, SLAB AND PATCHING OF ALL PENETRATIONS CREATED DURNING PLUMBING INFRASTRUCTURE INSTALLATION, REPAIR ADJACENT CONSTRUCTION AND FINISHES DURING INSTALLATION, PATCH TO MATCH ORIGINAL CONSTRUCTION,

KEYED NOTES:

__1"ø HW _1"ø DCW

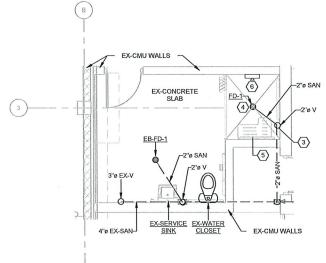
EX-CMU WALLS

EB-EWH-1 2

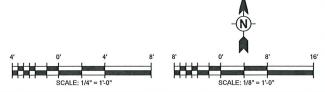
(5)

- 1. CONNECT 1" DCW PIPING TO THE TURNKEY POTABLE WELL AND RO SYSTEM. REFER TO CIVIL DRAWINGS FOR ADDITIONAL DETAILS.
 2. POSITION UNIT AT MANUFACTURER'S RECOMMENDED CLEARANCE.
 3. CLEANOUT IS DESIGNED TO BE BUILT INTO SIDEWALL OF SANITARY PIPE RISER.
 4. SLOPE NEW CONCRETE SLAB TO DRAIN.
 5. WALL MOUNTED ADA SHOWER SEAT. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL DETAILS.
 6. PROVIDE SHOWER UNIT ZURN Z7301-SS-MT-DVZP-HW-H9-S9 OR APPROVED EQUAL.
 7. VIF 4" EXISTING SANITARY SEWER LINE TO EXISTING SEPTIC FIELD.

2 PLUMBING ENLARGED PRESSURE PIPING PLAN SCALE: 1/4" = 1'-0"



PLUMBING ENLARGED SANITARY PIPING PLAN



TETRA TECH ENGINEERING BUSINESS NO. 2428









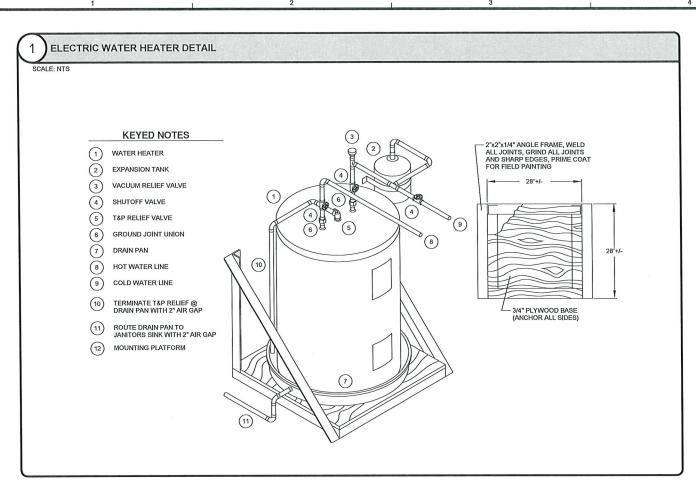


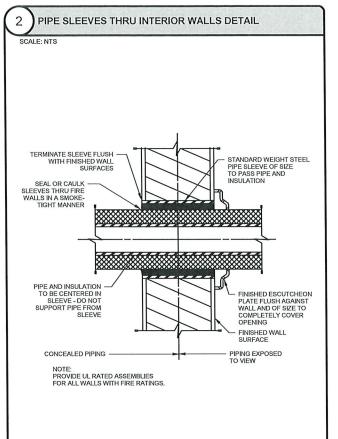
COLLIER COUNTY PUBLIC UTILITIES AN RAW WATER BOOSTER PUMP STATION IMPROVEMENTS

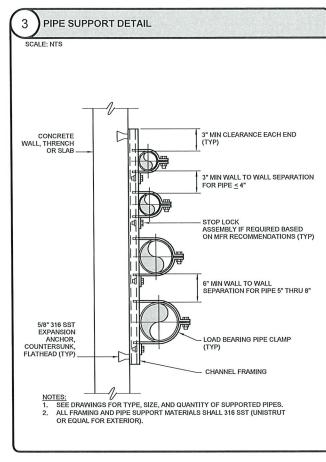
EXISTING PUMP BUILDING PLUMBING PRESSURE & SANITARY PIPING PLAN

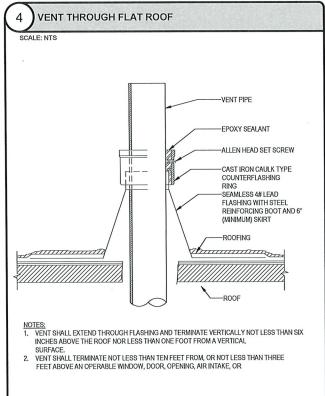
PROJ: 200-08486-2400 DESN: RZN

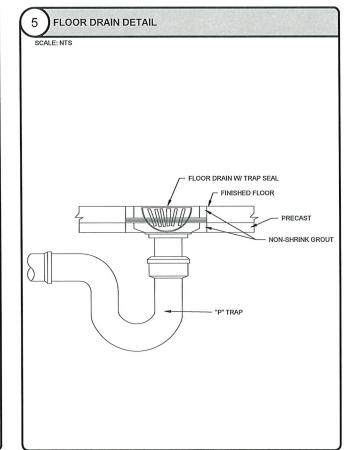
HKD:













TETRA TECH
ENGINEERING BUSINESS NO. 2428

100% SUBMITTAL

No. 92862

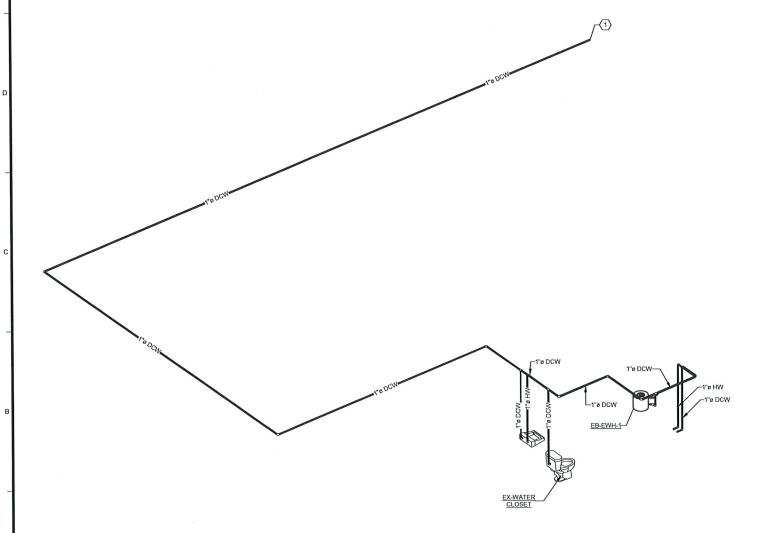
*
STATE OF

STATE OF CORIO STATE

1	EXISTING FORM BOILDING ELECTRIC WATER HEATER SCHEDULE									
		MINIMUM STORAGE	MINIMUM		EL	ELECTRICAL		ELECTRICAL		
MARK	DESCRIPTION	CAPACITY (GAL.)	RECOVERY (GPH @140F)	FUEL	TOTAL VOLTS/PHASE		MOCP	NUMBER OF MANUFACTURER ELEMENTS	MODEL	
		(GAL.)	(GFII@140F)		LVAA		MOCP	ELEMENTS		
EB-EWH-1	ELECTRIC WATER HEATER	28	25	ELECTRIC	4.0	240 / 1	25	1	RHEEM	XE28S06SB55U1

1. PRODUCT BRANDS SHOWN ON DRAWINGS ARE FOR INFORMATIONAL PURPOSES ONLY AND SHALL NOT BE CONSTRUED AS THE ONLY PRODUCT AVAILABLE. OTHER BRAND SELECTED SHALL MEET THE PERFORMANCE AND MATERIAL SPECIFICATIONS OF PRODUCTS LISTED.

EXISTING PUMP BUILDING DRAIN & CLEANOUT SCHEDULE									
MARK	DESCRIPTION	OUTLET	SIZE	E (IN)		STRAIN	ER	REMARKS	
WARK	DESCRIPTION	TYPE	WASTE	VENT	MATERIAL	TYPE	STYLE	KEIIAKKO	
EB-FD-1	FLOOR DRAIN	CAULK	2	1 1/2	STAINLESS STEEL	ROUND	ADJUSTABLE STRAINER HEAD	PROVIDE TRAP GUARD	



PRESSURE PIPING RISER DIAGRAM
SCALE: NTS

KEYED NOTES:

- 1. CONNECT 1" DCW PIPING TO THE TURNKEY POTABLE WELL AND RO SYSTEM. REFER TO CIVIL DRAWINGS FOR ADDITIONAL DETAILS.
 2. VIF 4" EXISTING SANITARY SEWER LINE TO EXISTING SEPTIC FIELD.
 3. VIE EXISTING SANITARY PIPING TO EXISTING PLUMBING FIXTURES, MODIFY IN FIELD AS REQUIRED.

TETRA TECH
ENGINEERING BUSINESS NO. 2429









	THE R		יווי כ	101		
ВУ						

COLLIER COUNTY PUBLIC UTILITIES MEAN WATER BOOSTER PUMP STATION IMPROVEMENTS

EXISTING PUMP BUILDING
PLUMBING SCHEDULES & RISER DIAGRAMS

PROJ: 200-08486-2400

DESN: CHKD:

2 SANITARY PIPING RISER DIAGRAM
SCALE: NTS

EB-FD-1

4"ø EX-SAN-

EX-WATER CLOSET

(3)

EX-SERVICE SINK 3

4"ø EX-SAN-