

# TUNUNAK, ALASKA

## 15 UNIT (PHASE III) FLUSH TANK AND HAUL® PROJECT

### INDEX OF DRAWINGS

#### SPECIFIC PROJECT SERIES

##### DRAWING NO.

##### TITLE

536-SP-01	Cover Sheet and Index of Drawings
536-SP-02	Victor Kanrilak Sr.
536-SP-03	Simon Billy
536-SP-04	Mike Angaiak
536-SP-05	Jack Angaiak
536-SP-06	Dick Lincoln
536-SP-07	John Flynn
536-SP-08	Andy Charlie Sr.
536-SP-09	Jent Flynn
536-SP-10	Mathias James
536-SP-11	Stanley Kanrilak
536-SP-12	John Walter Sr.
536-SP-13	Joe Post
536-SP-14	Alexander Hooper
536-SP-15	Frank Flynn
536-SP-16	Stacey Asikaick
536-SP-17	Underslung Unit Details Dumpsite Details

#### GENERAL ARRANGEMENT SERIES

See separate set of GA Series drawings (536-GA-01 to 536-GA-22)

### NOTES:

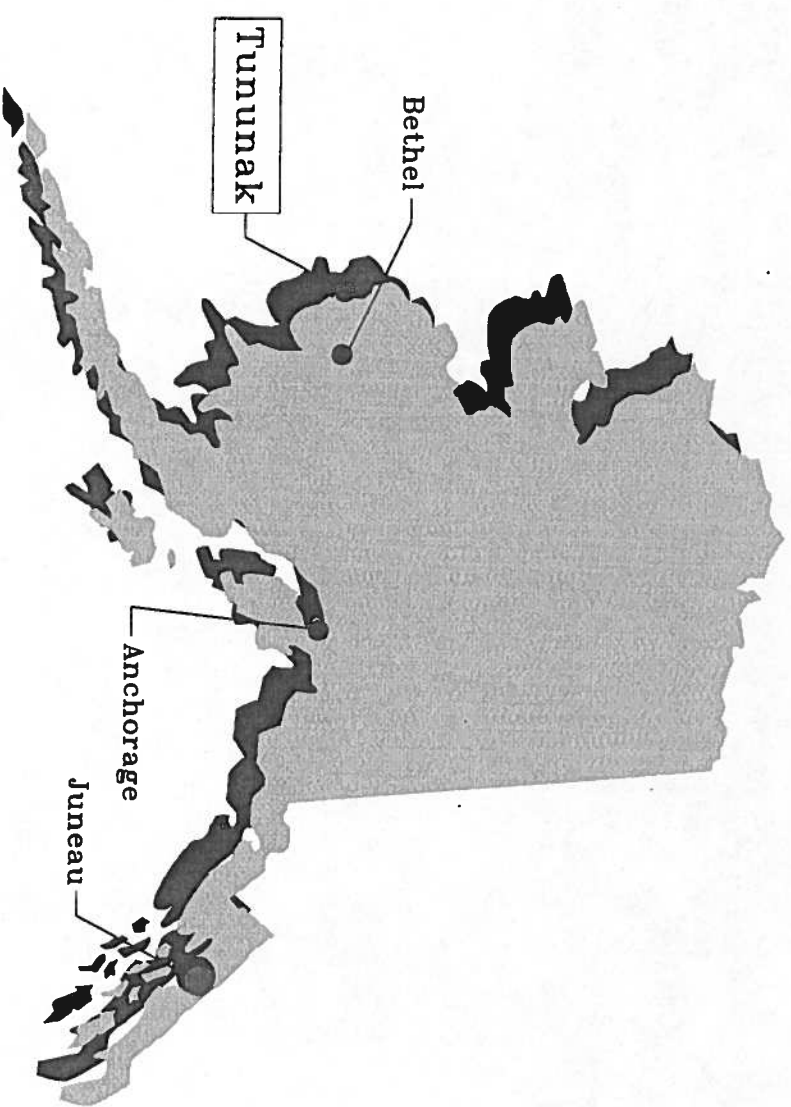
1. The Specific Project (SP) series of drawings show specific layouts for the individual homes and buildings.

The General Arrangement (GA) series of drawings show typical construction details required to prepare materials lists and install the project on site. These drawings show typical components such as kitchen hookups, bath tub hookups and elevated water tanks which may or may not apply to the installation in a specific building.

The two sets of drawings must be read together for proper installation of the project.

2. The GA and the SP series contain main notes and specifications on the drawings and in the Notes sections. All these notes and specifications must be carefully read and adhered to.

3. If in the course of construction it becomes necessary or desirable to deviate from the typical details or the SP series, the construction supervisor shall advise and consult with the Cowater Alaska office prior to making changes. That office will undertake to have the appropriate engineer or official deal with the issue.



Prepared by: Cowater International Inc., Ottawa, Canada  
Cowater Alaska Inc., Anchorage, Alaska, USA

Prepared for: Tununak Traditional Council and Village Safe Water  
(VSW Project Engineer: Jim Patterson, P.E.)

April 27. 2000

ASBUILT  
DRAWINGS

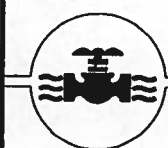
MAY 9, 2000

#### RECORD DRAWING CERTIFICATE

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DURING CONSTRUCTION.  
INFORMATION PROVIDED HEREIN  
IS ACCURATE TO THE BEST OF  
MY KNOWLEDGE

NAME DATE

VILLAGE SAFE WATER



COWATER  
INTERNATIONAL, INC.

TUNUNAK TRADITIONAL COUNCIL

15 UNIT FLUSH TANK  
AND HAUL PROJECT

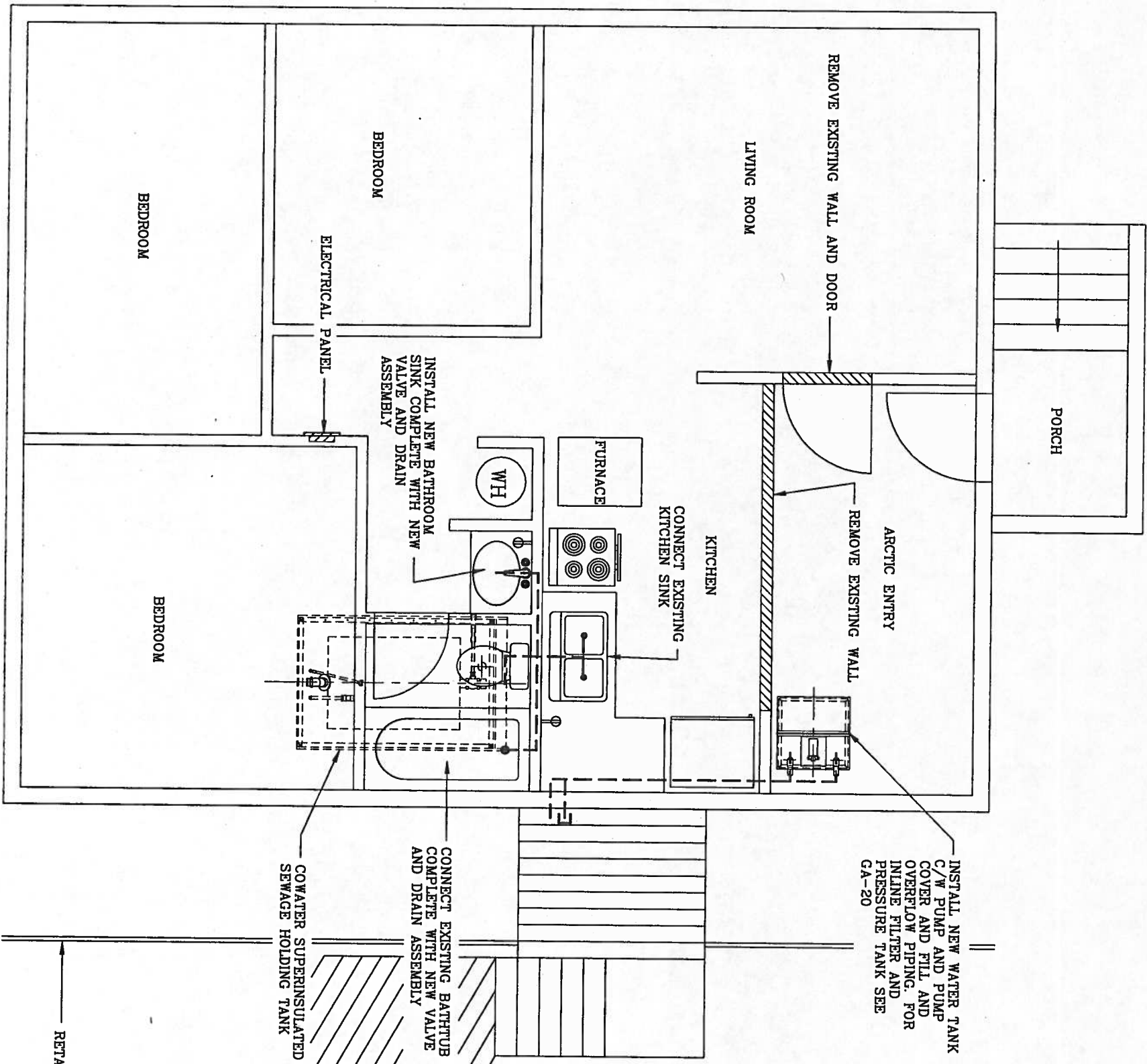
COVER SHEET

REVISION	BY	DATE
ISSUED AS ASBUILT DWG	MFL	8/9/00

Project No.	99.535
Date	8/9/00
Scale:	NOT TO SCALE
Drawn	M. LOEWEN
Approved	M. BARON

Sheet No.

SHEET OF



PARTIAL FLOOR PLAN

NOTES:

1. INSTALLATION OF FLUSH TANK AND HAUL SYSTEM TO INCLUDE HOLDING TANK, FIXTURES PIPING AND OTHER EQUIPMENT AS PER COWATER GENERAL ARRANGEMENT (GA) DRAWINGS. ALL SPECIFIC PROJECT DRAWINGS (SP) TO BE READ IN CONJUNCTION WITH COWATER GENERAL ARRANGEMENT DRAWINGS.
2. GRAVITY UNDERSLUG SYSTEM. SEE DRAWING SP-16 FOR DETAILS.
3. UNDER SIDE OF SOFFT INSULATION TO GL = 64" (AT OUTSIDE WALL). THE EXISTING GROUND WILL NEED TO BE LOWERED IN ORDER TO INSTALL THE UNDERSLUG SYSTEM.
4. INSTALL HOLDING TANK AS PER DRAWINGS GA-15, GA-18 AND GA-19.
5. INSTALL TANK SUPPORT SYSTEM AS PER DRAWING SP-16.
6. BATHROOM SIZE 60" X 60".
7. CONNECT NEW TOILET. INSTALL NEW BATHROOM SINK AND FAUCET IN EXISTING VANITY. CONNECT EXISTING TUB AND SHOWER COMBINATION. REUSE EXISTING VALVE AND DRAIN ASSEMBLY.
8. CONNECT EXISTING KITCHEN SINK. REUSE EXISTING FAUCET AND DRAIN ASSEMBLY.
9. INSTALL NEW SQUARE WATER TANK AS INDICATED ON DRAWING.
10. CONSTRUCTION SUPERVISOR SHALL INSPECT THE STRUCTURAL SUPPORT UNDER THE WATER TANK TO ENSURE CAPACITY TO SUPPORT A 110 GALLON WATER TANK (950 LB WHEN FULL). THE CONSTRUCTION OF EXTRA JOIST BRIDGING AND OR CONSTRUCTION OF POSTS AND PADS SHALL BE INDICATED ON THE RECORD DRAWINGS. IF AN UNEXPECTED STRUCTURAL SITUATION IS IDENTIFIED THE CONSTRUCTION SUPERVISOR SHALL CONSULT THE ENGINEER FOR DIRECTION.
11. SCREW A 2" X 2" CURB AROUND THE BASE OF THE WATER TANK. INSTRUCT THE HOMEOWNER THAT THE WATER TANK IS TO REMAIN IN THE POSITION SHOWN. PLACE PAN UNDER TANK.
12. ELECTRICAL NOTES:
  1. ELECTRICAL PANEL - BRYANT CHALLENGER (TYPE C115), 2 SPARES
  2. OUTLETS - 2 GFI OUTLETS REQUIRED ( 1 NEW IN BATHROOM AND 1 NEW IN KITCHEN).
13. INSTALL NEW 10 GALLON ELECTRIC WATER HEATER (WH) ON SHELF IN CLOSET NEXT TO BATHROOM VANITY/SINK AS INDICATED ON THE DRAWING. USE PAN UNDER TANK.
14. FIXTURE SPECIFICATIONS:
  1. BATHROOM LAVATORY/VANITY: TYPE UNKNOWN.
  2. HOT WATER HEATER: RHEEM ELECTRIC WATER HEATER, MODEL 81VP 105, 10 GALLON, 2000 WATTS, 120V, 1PH.
  3. WATER TANK: 110 GALLON RECTANGULAR TANK SUPPLIED BY COWATER.
  4. WATER PUMP: FLOJET WATER PUMP, MODEL 425-043A.
  5. PRESSURE TANK: AMTROL WX-103, 3.1 GALLON.
  6. WATER FILTER: RUSCO SEDIMENT FILTER WITH VALVE, 100 MESH.
15. INSTALL 35 FT OF NEW 6 FT WIDE BOARDWALK TO ACCESS SEWAGE HOLDING TANK AND WATER FILL PIPE. CONSTRUCT BOARDWALK AT 30 DEGREE ANGLE TO EXISTING BOARDWALK. EXISTING 4 FT BOARDWALK TO BE WIDENED TO 6 FT FOR 40 FT FROM ROAD TO THE FRONT OF JOHN FLYNN'S HOUSE.

ASBUILT  
DRAWINGS

MAY 8, 2000

REVISION		BY	DATE
ISSUED AS ASBUILT DWG		MA	8/5/00

TUNUNAK TRADITIONAL COUNCIL

VICTOR KANRILAK SR.  
FLOOR PLAN



COWATER  
INTERNATIONAL, INC.

VILLAGE SAFE WATER



SCALE REFERENCE  
1 INCH

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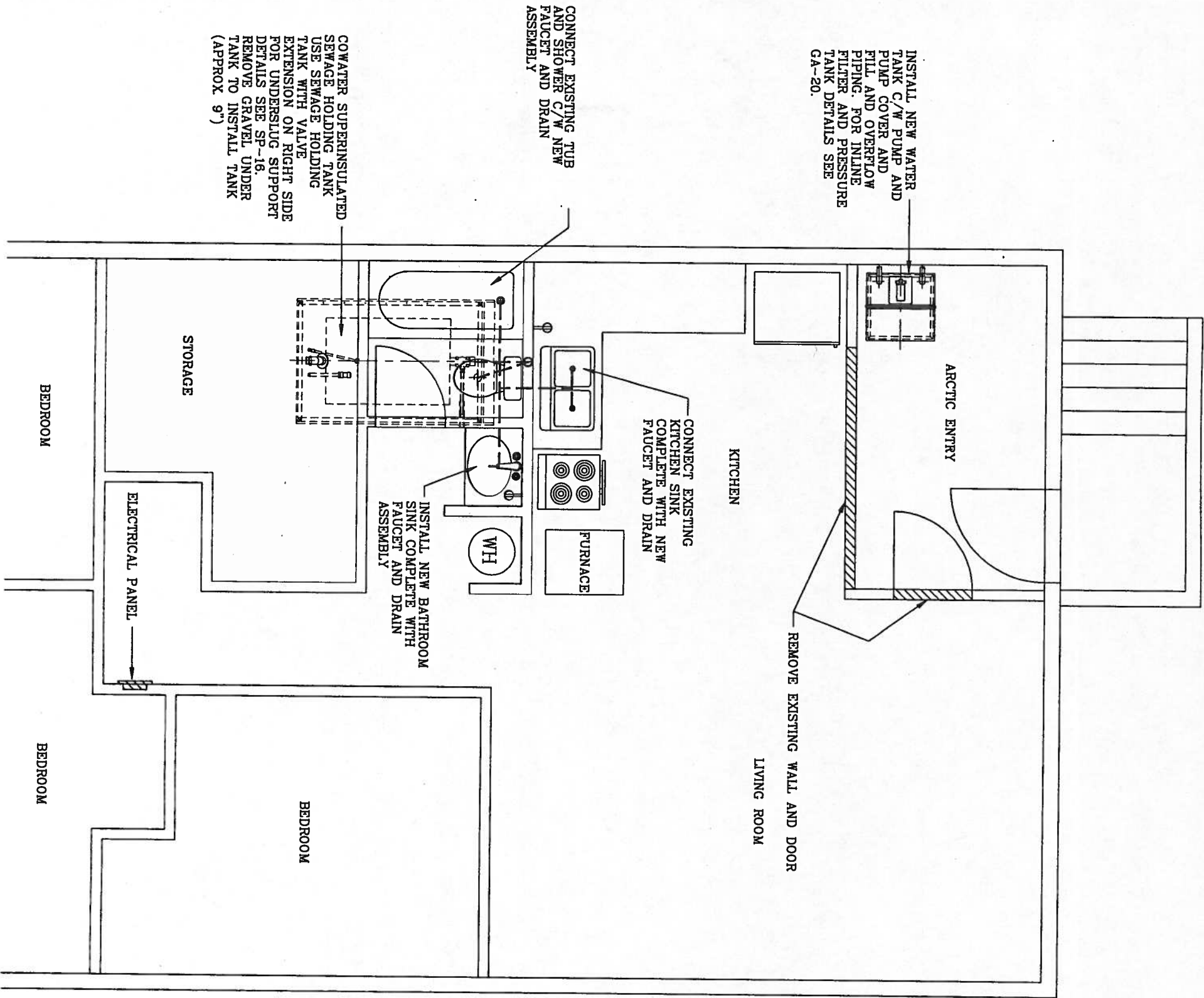
NAME

DATE

Project No. 99.536  
Date 22/7/99  
Scale: 1/4" = 1'-0"  
Drawn MJL  
Approved MJB

Sheet No. 536-SP-01  
SHEET OF





- NOTES:
1. INSTALLATION OF FLUSH TANK AND HAUL SYSTEM TO INCLUDE HOLDING TANK, FIXTURES, PIPING AND OTHER EQUIPMENT AS PER COWATER GENERAL ARRANGEMENT (GA) DRAWINGS. ALL SPECIFIC PROJECT DRAWINGS (SP) TO BE READ IN CONJUNCTION WITH COWATER GENERAL ARRANGEMENT DRAWINGS.
  2. GRAVITY UNDERSLUG SYSTEM. SEE SP-16 FOR DETAILS.
  3. UNDERSIDE OF SOFFIT INSULATION TO GL = 45". THE EXISTING GROUND WILL NEED TO BE LOWERED BY APPROX. 6" TO 9" IN ORDER TO INSTALL THE UNDERSLUG SYSTEM.
  4. INSTALL HOLDING TANK AS PER DRAWINGS GA-15, GA-18 AND GA-19.
  5. INSTALL TANK SUPPORT SYSTEM AS PER SP-16.
  6. BATHROOM SIZE 60" X 60".
  7. CONNECT NEW TOILET AND BATHROOM SINK COMPLETE WITH NEW FAUCET AND DRAIN ASSEMBLY. INSTALL EXISTING TUB/SHOWER COMPLETE WITH NEW FAUCET AND DRAIN.
  8. CONNECT EXISTING KITCHEN SINK. INSTALL NEW FAUCET AND DRAIN ASSEMBLY.
  9. INSTALL NEW WATER TANK (SQUARE) AS INDICATED ON DRAWING.
  10. CONSTRUCTION SUPERVISOR SHALL INSPECT THE STRUCTURAL SUPPORT UNDER THE WATER TANK TO ENSURE CAPACITY TO SUPPORT A 110 GALLON WATER TANK (950 LB WHEN FULL). THE CONSTRUCTION OF EXTRA JOIST BRIDGING AND OR CONSTRUCTION OF POSTS AND PADS SHALL BE INDICATED ON THE RECORD DRAWINGS. IF AN UNEXPECTED STRUCTURAL SITUATION IS IDENTIFIED THE CONSTRUCTION SUPERVISOR SHALL CONSULT THE ENGINEER FOR DIRECTION.
  11. SCREW A 2" X 2" CURB AROUND THE BASE OF THE WATER TANK. INSTRUCT THE HOMEOWNER THAT THE WATER TANK IS TO REMAIN IN THE POSITION SHOWN. PLACE PAD UNDER TANK.
  12. ELECTRICAL NOTES:
    1. ELECTRICAL PANEL - BRYANT CHALLENGER (TYPE C115), 4 SPARES
    2. OUTLETS - 2 GFI OUTLETS REQUIRED (1 NEW IN BATHROOM AND 1 NEW IN KITCHEN).
  13. INSTALL NEW 10 GALLON ELECTRIC WATER HEATER (WH) ON FLOOR IN CLOSET NEXT TO BATHROOM VANITY/SINK AS INDICATED ON THE DRAWING. USE PAN UNDER TANK.
  14. FIXTURE SPECIFICATIONS:
    1. HOT WATER HEATER: RHEEM ELECTRIC WATER HEATER, MODEL 81VP 105, 10 GALLON, 2000 WATTS, 120V, 1PH.
    2. WATER TANK: 110 GALLON SQUARE TANK SUPPLIED BY COWATER.
    3. WATER PUMP: FLOJET WATER PUMP, MODEL 4325-043A.
    4. PRESSURE TANK: AMTROL WX-103, 3.1 GALLON.
    5. WATER FILTER: RUSCO SEDIMENT FILTER WITH VALVE, 100 MESH.
  15. INSTALL 65 FT OF NEW 6 FT WIDE BOARDWALK BETWEEN EXISTING BOARDWALK AND ROAD TO SERVICE THIS HOUSE AND VICTOR KANALAK'S HOUSE. WIDEN EXISTING BOARDWALK TO 6 FT WIDE.

ASBUILT  
DRAWINGS

MAY 8, 2000

REVISION	BY	DATE
ISSUED AS ASBUILT DWG	MJL	8/5/00

TUNUNAK TRADITIONAL COUNCIL  
MIKE ANGAIAK  
FLOOR PLAN



COWATER  
INTERNATIONAL, INC.

VILLAGE SAFE WATER



SCALE REFERENCE  
1 INCH

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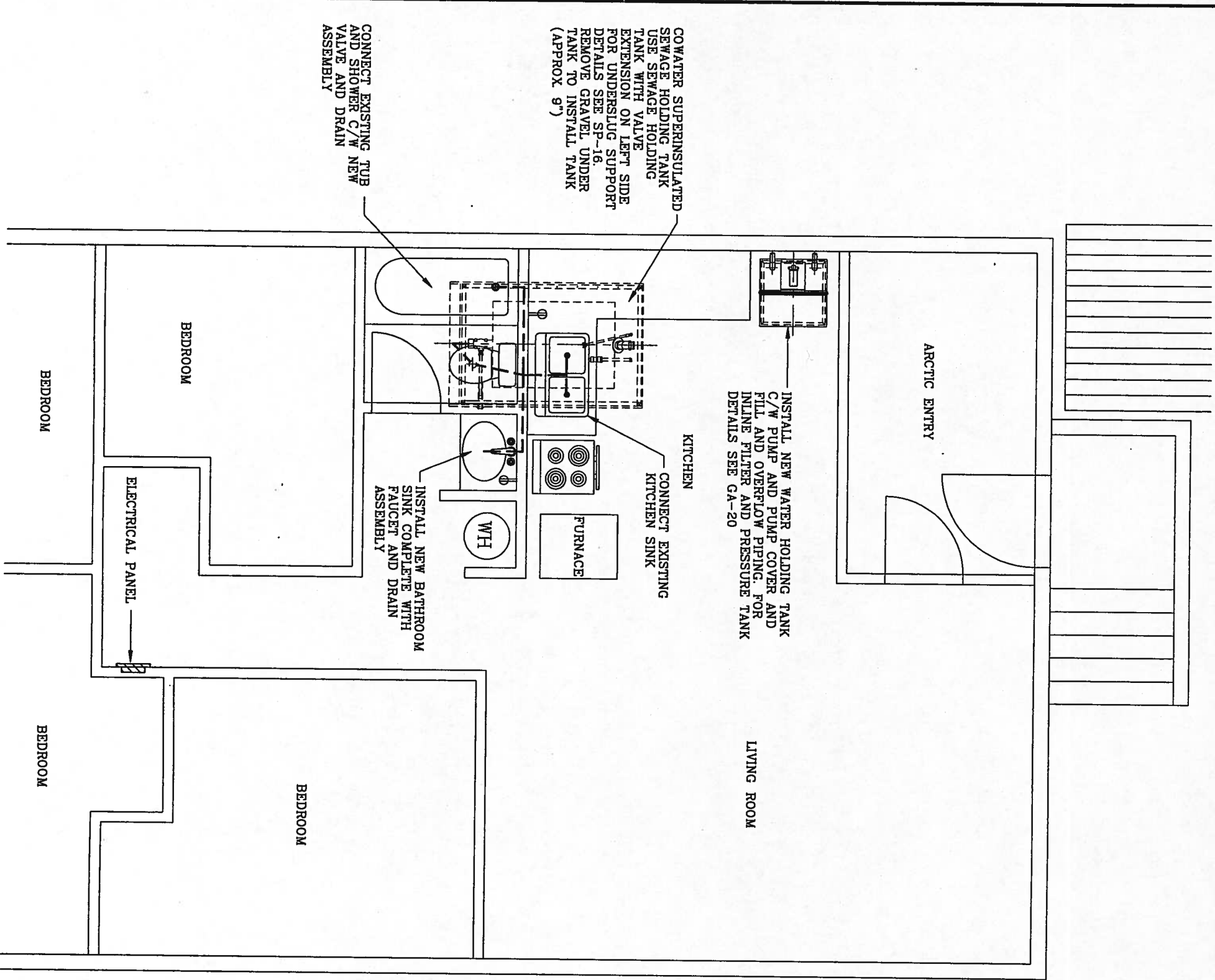
NAME

DATE

Project No.	99.536
Date	21/7/99
Scale:	1/4"=1'-0"
Drawn	MJL
Approved	MJB

536-SP-03



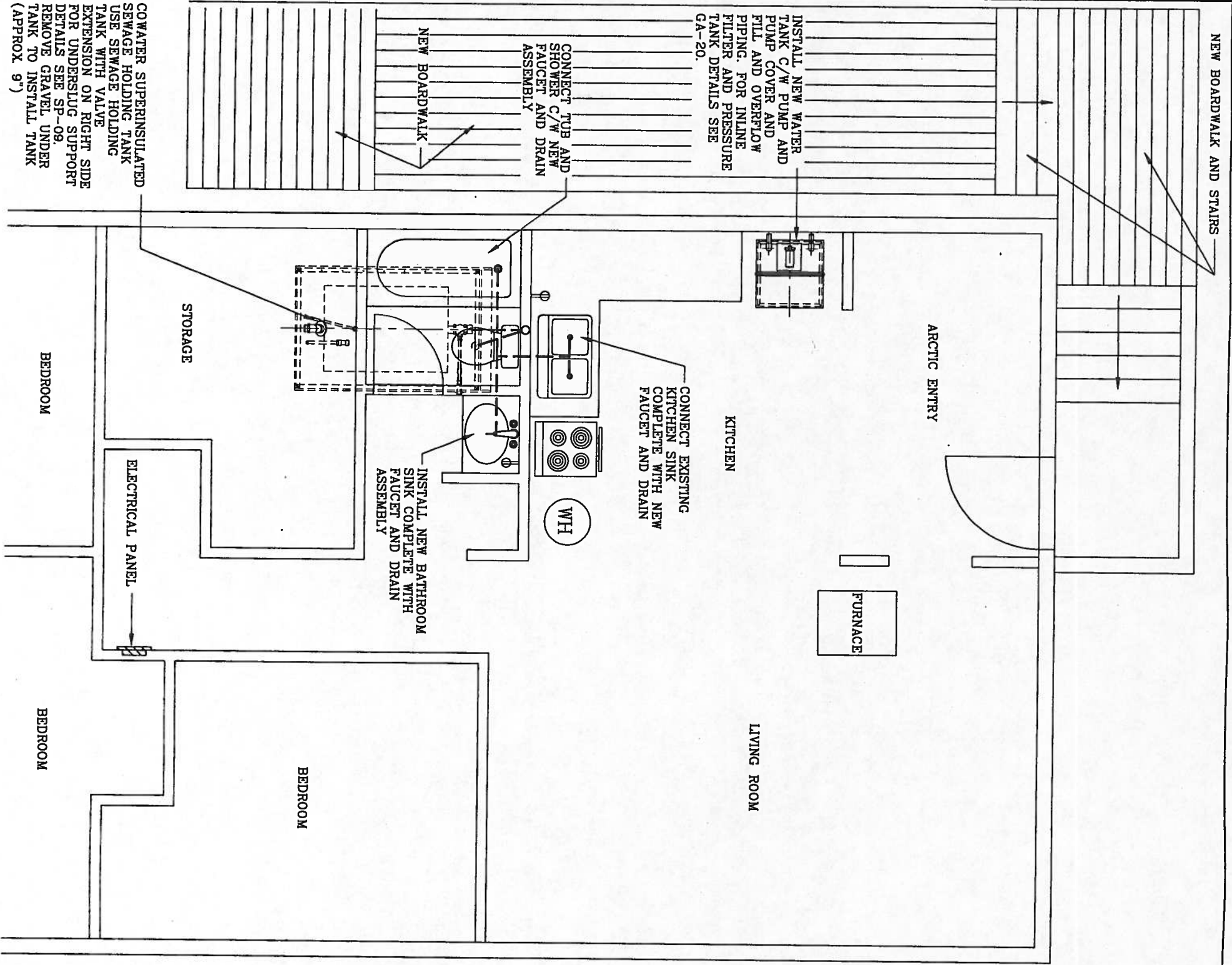


- NOTES:
1. INSTALLATION OF FLUSH TANK AND HAUL SYSTEM TO INCLUDE HOLDING TANK, FIXTURES, PIPING AND OTHER EQUIPMENT AS PER COWATER GENERAL ARRANGEMENT (GA) DRAWINGS. ALL SPECIFIC PROJECT DRAWINGS (SP) TO BE READ IN CONJUNCTION WITH COWATER GENERAL ARRANGEMENT DRAWINGS.
  2. GRAVITY UNDERSLUG SYSTEM. SEE SP-16 FOR DETAILS.
  3. UNDERSIDE OF SOFFIT INSULATION TO GL = 45". THE EXISTING GROUND WILL NEED TO BE LOWERED BY APPROX. 6" TO 9" IN ORDER TO INSTALL THE UNDERSLUG SYSTEM.
  4. INSTALL HOLDING TANK AS PER DRAWINGS GA-15, GA-18 AND GA-19.
  5. INSTALL TANK SUPPORT SYSTEM AS PER SP-16.
  6. BATHROOM SIZE 60" X 60".
  7. CONNECT NEW TOILET AND BATHROOM SINK COMPLETE WITH NEW VALVE AND DRAIN ASSEMBLY. REMOVE EXISTING BATHTUB. INSTALL NEW SHOWER ENCLOSURE. INSTALL NEW BATHROOM FLOORING AFTER INSTALLATION OF NEW SHOWER.
  8. CONNECT EXISTING KITCHEN SINK. INSTALL NEW FAUCET AND DRAIN ASSEMBLY.
  9. INSTALL NEW WATER TANK (SQUARE) AS INDICATED ON DRAWING.
  10. CONSTRUCTION SUPERVISOR SHALL INSPECT THE STRUCTURAL SUPPORT UNDER THE WATER TANK TO ENSURE CAPACITY TO SUPPORT A 110 GALLON WATER TANK (950 LB WHEN FULL). THE CONSTRUCTION OF EXTRA JOIST BRIDGING AND OR CONSTRUCTION OF POSTS AND PADS SHALL BE INDICATED ON THE RECORD DRAWINGS. IF AN UNEXPECTED STRUCTURAL SITUATION IS IDENTIFIED THE CONSTRUCTION SUPERVISOR SHALL CONSULT THE ENGINEER FOR DIRECTION.
  11. SCREW A 2" X 2" CURB AROUND THE BASE OF THE WATER TANK. INSTRUCT THE HOMEOWNER THAT THE WATER TANK IS TO REMAIN IN THE POSITION SHOWN. PLACE PAD UNDER TANK.
  12. ELECTRICAL NOTES:
    1. ELECTRICAL PANEL - BRYANT CHALLENGER (TYPE C115), 4 SPARES
    2. OUTLETS - 2 GFI OUTLETS REQUIRED (1 NEW IN BATHROOM AND 1 NEW IN KITCHEN).
  13. INSTALL NEW 10 GALLON ELECTRIC WATER HEATER (WH) ON FLOOR IN CLOSET NEXT TO BATHROOM VANITY/SINK AS INDICATED ON THE DRAWING. USE PAN UNDER TANK.
  14. FIXTURE SPECIFICATIONS:
    1. HOT WATER HEATER: RHEEM ELECTRIC WATER HEATER, MODEL 81VP 105, 10 GALLON, 2000 WATTS, 120V, 1PH.
    2. WATER TANK: 110 GALLON SQUARE TANK SUPPLIED BY COWATER.
    3. WATER PUMP: FLOJET WATER PUMP, MODEL 4326-043A.
    4. PRESSURE TANK: AMTROL WX-103, 3.1 GALLON.
    5. WATER FILTER: RUSCO SEDIMENT FILTER WITH VALVE, 100 MESH.
  15. INSTALL 25 FT OF NEW 6 FT WIDE BOARDWALK ALONG RIGHT SIDE OF HOUSE TO ACCESS WATER TANK AND SEWAGE TANK.

ASBUILT  
DRAWINGS  
MAY 8, 2000

Project No. 99.536	REVISION	BY	DATE	TUNUNAK TRADITIONAL COUNCIL		VILLAGE SAFE WATER		SCALE REFERENCE 1 INCH BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALE ACCORDINGLY.	RECORD DRAWING CERTIFICATE THESE DRAWINGS REFLECT RECORDED INFORMATION OBTAINED DURING CONSTRUCTION. INFORMATION PROVIDED HEREIN IS ACCURATE TO THE BEST OF MY KNOWLEDGE.
Date 21/7/99	ISSUED AS ASBUILT DWG	MJL	8/5/00						
Scale: 1/4" = 1'-0"									
Drawn MJL									
Approved MJB									

JACK ANGAIAK  
FLOOR PLAN



NOTES:

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4. INSTALL HOLDING TANK AS PER DRAWINGS GA-15, GA-18 AND GA-19.
5. INSTALL TANK SUPPORT SYSTEM AS PER SP-16.
6. BATHROOM SIZE 60" X 60".
7. CONNECT NEW TOILET AND BATHROOM SINK COMPLETE WITH NEW FAUCET AND DRAIN ASSEMBLY. INSTALL EXISTING TUB/SHOWER COMPLETE WITH NEW FAUCET AND DRAIN.
8. CONNECT EXISTING KITCHEN SINK. INSTALL NEW FAUCET AND DRAIN ASSEMBLY.
9. INSTALL NEW WATER TANK (SQUARE) AS INDICATED ON DRAWING.
10. CONSTRUCTION SUPERVISOR SHALL INSPECT THE STRUCTURAL SUPPORT UNDER THE WATER TANK TO ENSURE CAPACITY TO SUPPORT A 110 GALLON WATER TANK (950 LB WHEN FULL). THE CONSTRUCTION OF EXTRA JOIST BRIDGING AND OR CONSTRUCTION OF POSTS AND PADS SHALL BE INDICATED ON THE RECORD DRAWINGS. IF AN UNEXPECTED STRUCTURAL SITUATION IS IDENTIFIED THE CONSTRUCTION SUPERVISOR SHALL CONSULT THE ENGINEER FOR DIRECTION.
11. SCREW A 2" X 2" CURB AROUND THE BASE OF THE WATER TANK. INSTRUCT THE HOMEOWNER THAT THE WATER TANK IS TO REMAIN IN THE POSITION SHOWN. PLACE PAD UNDER TANK.
12. ELECTRICAL NOTES:
  1. ELECTRICAL PANEL - BRYANT CHALLENGER (TYPE C115), 4 SPARES
  2. OUTLETS - 2 GFI OUTLETS REQUIRED (1 NEW IN BATHROOM AND 1 NEW IN KITCHEN).
  13. INSTALL NEW 10 GALLON ELECTRIC WATER HEATER (WH) ON FLOOR IN CLOSET NEXT TO BATHROOM VANITY/SINK AS INDICATED ON THE DRAWING. USE PAN UNDER TANK.
  14. FIXTURE SPECIFICATIONS:
    1. HOT WATER HEATER: RHEEM ELECTRIC WATER HEATER, MODEL 81VP 105, 10 GALLON, 2000 WATTS, 120V, 1PH.
    2. WATER TANK: 110 GALLON SQUARE TANK SUPPLIED BY COWATER.
    3. WATER PUMP: FLOJET WATER PUMP, MODEL 4325-043A.
    4. PRESSURE TANK: AMTROL WX-103, 3.1 GALLON.
    5. WATER FILTER: RUSCO SEDIMENT FILTER WITH VALVE, 100 MESH.
  15. INSTALL 25 FT OF NEW 6 FT WIDE BOARDWALK TO ACCESS SEWAGE HOLDING TANK.

RECORD DRAWING CERTIFICATE

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NAME

DATE

SCALE REFERENCE  
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VILLAGE SAFE WATER



COWATER  
INTERNATIONAL, INC.

TUNUNAK TRADITIONAL COUNCIL

DICK LINCOLN  
FLOOR PLAN

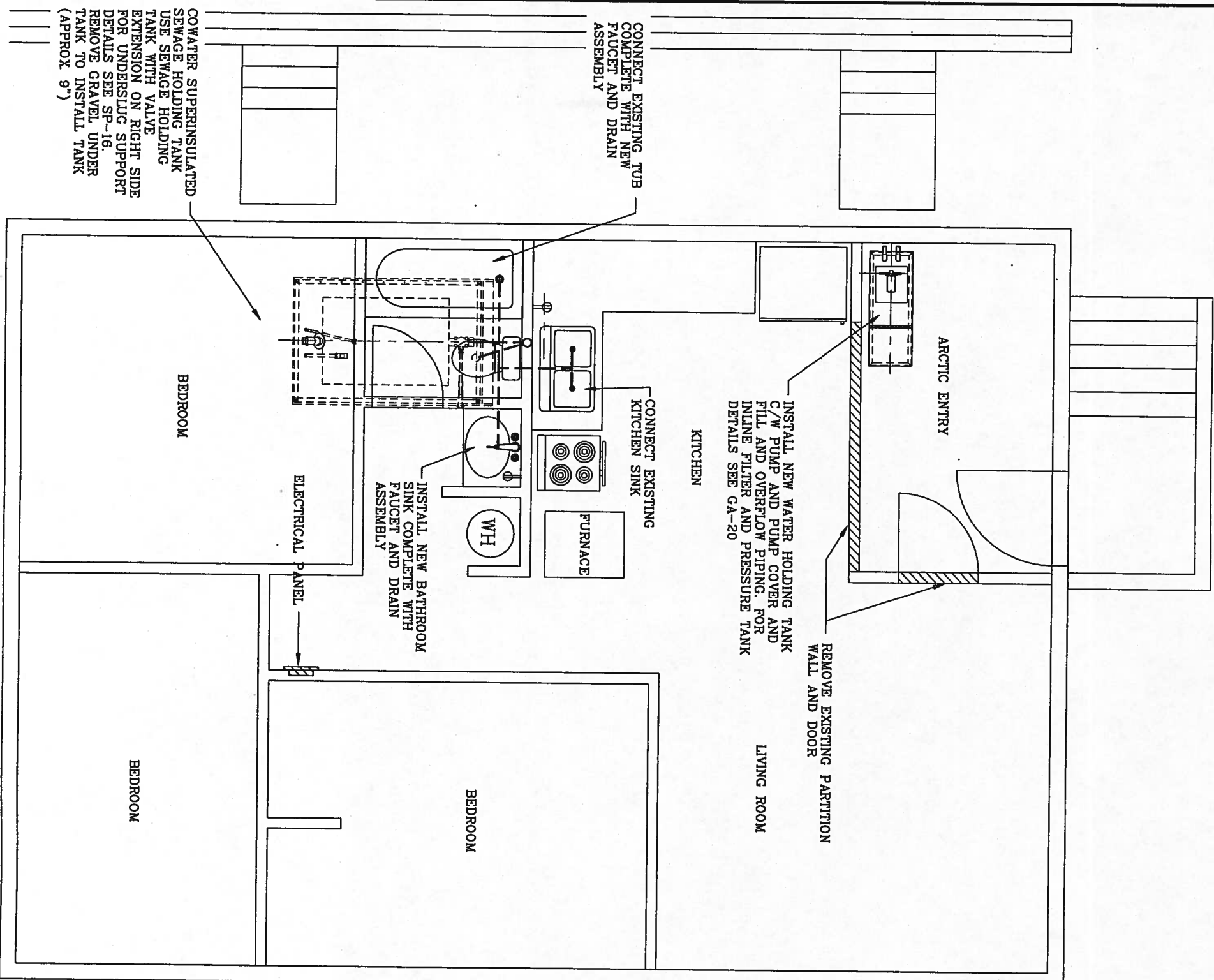
REVISION	BY	DATE
ISSUED AS ASBUILT DWG	ML	8/5/00

Project No.	99.536
Date	21/7/99
Scale:	1/4" = 1'-0"
Drawn	MJL
Approved	MJB

ASBUILT  
DRAWINGS

MAY 8, 2000

Sheet No. 536-SP-05



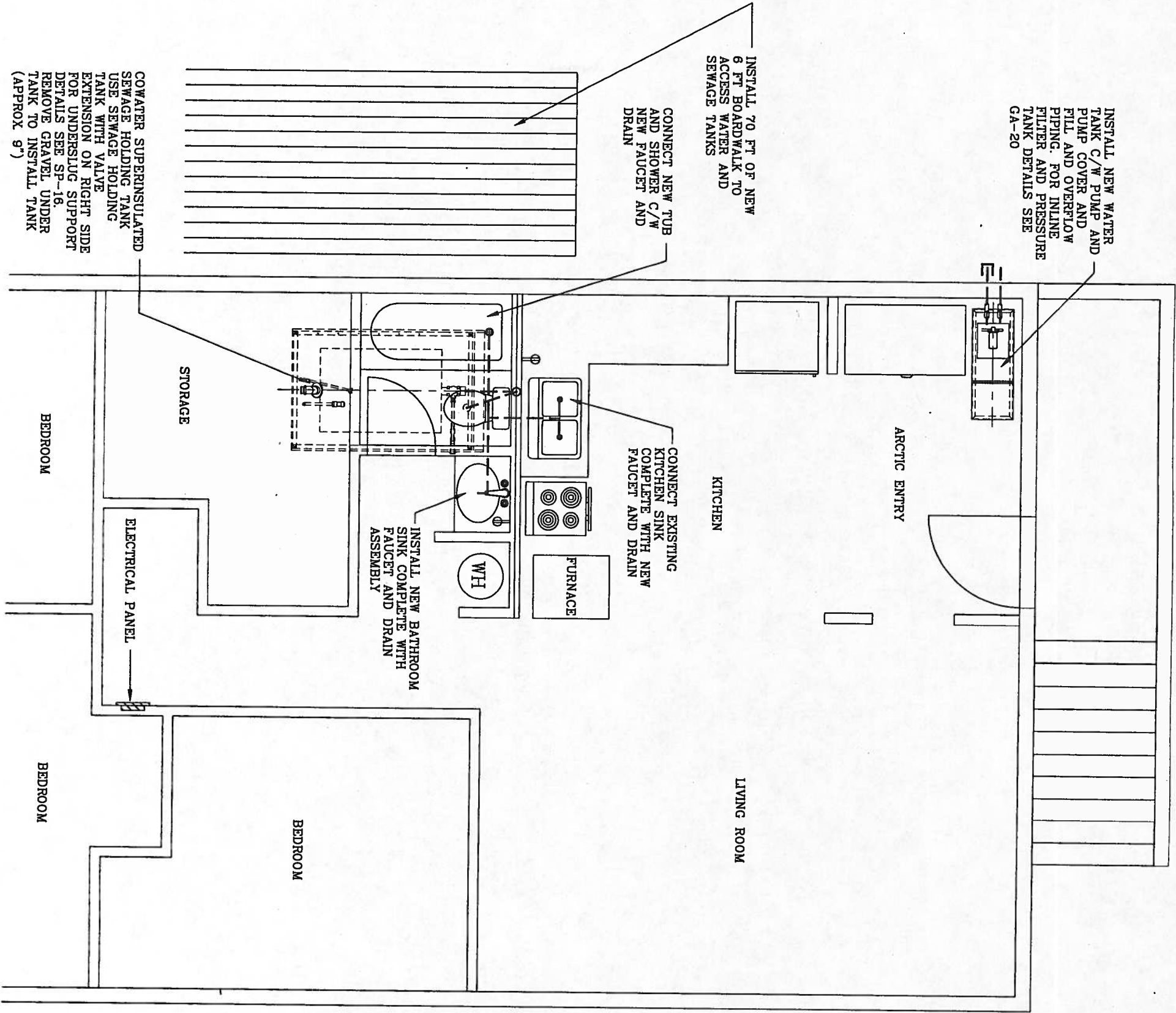
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4. INSTALL HOLDING TANK AS PER DRAWINGS GA-15, GA-18 AND GA-19.
5. INSTALL TANK SUPPORT SYSTEM AS PER SP-16.
6. BATHROOM SIZE 60" X 60".
7. CONNECT NEW TOILET AND BATHROOM SINK COMPLETE WITH NEW VALVE AND DRAIN ASSEMBLY. REMOVE EXISTING BATHTUB. INSTALL NEW SHOWER ENCLOSURE. INSTALL NEW BATHROOM FLOORING AFTER INSTALLATION OF NEW SHOWER.
8. CONNECT EXISTING KITCHEN SINK. INSTALL NEW FAUCET AND DRAIN ASSEMBLY. REMOVE EXISTING WALL TO ARCTIC ENTRY AS INDICATED ON DRAWING. PATCH FLOORING WITH MATERIAL PROVIDED BY OWNER. OWNER TO REMOVE ITEMS IN ARCTIC ENTRY PRIOR TO START OF PROJECT.
9. INSTALL NEW WATER TANK (RECTANGULAR) AS INDICATED ON DRAWING.
10. CONSTRUCTION SUPERVISOR SHALL INSPECT THE STRUCTURAL SUPPORT UNDER THE WATER TANK TO ENSURE CAPACITY TO SUPPORT A 110 GALLON WATER TANK (950 LB WHEN FULL). THE CONSTRUCTION OF EXTRA JOIST BRIDGING AND OR CONSTRUCTION OF POSTS AND PADS SHALL BE INDICATED ON THE RECORD DRAWINGS. IF AN UNEXPECTED STRUCTURAL SITUATION IS IDENTIFIED THE CONSTRUCTION SUPERVISOR SHALL CONSULT THE ENGINEER FOR DIRECTION.
11. SCREW A 2" X 2" CURB AROUND THE BASE OF THE WATER TANK. INSTRUCT THE HOMEOWNER THAT THE WATER TANK IS TO REMAIN IN THE POSITION SHOWN. PLACE PAD UNDER TANK.
12. ELECTRICAL NOTES:
  1. ELECTRICAL PANEL - BRYANT CHALLENGER (TYPE C115), 4 SPARES
  2. OUTLETS - 2 GFI OUTLETS REQUIRED (1 NEW IN BATHROOM AND 1 NEW IN KITCHEN).
13. INSTALL NEW 10 GALLON ELECTRIC WATER HEATER (WH) ON FLOOR IN CLOSET NEXT TO BATHROOM VANITY/SINK AS INDICATED ON THE DRAWING. USE PAN UNDER TANK.
14. FIXTURE SPECIFICATIONS:
  1. HOT WATER HEATER: RHEEM ELECTRIC WATER HEATER, MODEL B1VP 105, 10 GALLON, 2000 WATTS, 120V, 1PH.
  2. WATER TANK: 110 GALLON SQUARE TANK SUPPLIED BY COWATER.
  3. WATER PUMP: FLOJET WATER PUMP, MODEL 4325-043A.
  4. PRESSURE TANK: AMTROL WX-103, 3.1 GALLON.
  5. WATER FILTER: RUSCO SEDIMENT FILTER WITH VALVE, 100 MESH.
15. WIDEN EXISTING 4 FT BOARDWALK IF FRONT OF HOUSE TO 6 FT.

ASBUILT  
DRAWINGS  
MAY 8, 2000

Project No. 99.536	REVISION	BY	DATE	TUNUNAK TRADITIONAL COUNCIL	VILLAGE SAFE WATER	SCALE REFERENCE 1 INCH	RECORD DRAWING CERTIFICATE
Date 21/7/99	ISSUED AS ASBUILT DWG	MJL	8/5/00	JOHN FLYNN FLOOR PLAN		BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALE ACCORDINGLY.	THESE DRAWINGS REFLECT RECORDED INFORMATION OBTAINED DURING CONSTRUCTION. INFORMATION PROVIDED HEREIN IS ACCURATE TO THE BEST OF MY KNOWLEDGE.
Scale: 1/4" = 1'-0"							NAME DATE
Drawn MJL							
Approved MJB							





INSTALL NEW WATER TANK C/W PUMP AND PUMP COVER AND FILL AND OVERFLOW PIPING. FOR INLINE FILTER AND PRESSURE TANK DETAILS SEE GA-20

INSTALL 70 FT OF NEW 6 FT BOARDWALK TO ACCESS WATER AND SEWAGE TANKS

CONNECT NEW TUB AND SHOWER C/W NEW FAUCET AND DRAIN

CONNECT EXISTING KITCHEN SINK COMPLETE WITH NEW FAUCET AND DRAIN

INSTALL NEW BATHROOM SINK COMPLETE WITH FAUCET AND DRAIN ASSEMBLY

COWATER SUPERINSULATED SEWAGE HOLDING TANK USE SEWAGE HOLDING TANK WITH VALVE EXTENSION ON RIGHT SIDE FOR UNDERSLUG SUPPORT DETAILS SEE SP-16. REMOVE GRAVEL UNDER TANK TO INSTALL TANK (APPROX 9')

NOTES:

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2. GRAVITY UNDERSLUG SYSTEM. SEE SP-16 FOR DETAILS.
3. UNDERSIDE OF SOFFIT INSULATION TO  $GL = 44"$ . THE EXISTING GROUND WILL NEED TO BE LOWERED BY APPROX 6" TO 9" IN ORDER TO INSTALL THE UNDERSLUG SYSTEM.
4. INSTALL HOLDING TANK AS PER DRAWINGS GA-15, GA-18 AND GA-19.
5. INSTALL TANK SUPPORT SYSTEM AS PER SP-16.
6. BATHROOM SIZE 60" X 60".
7. CONNECT NEW TOILET AND BATHROOM SINK COMPLETE WITH NEW FAUCET AND DRAIN ASSEMBLY. OWNER DOES NOT WANT TO INSTALL EXISTING TUB/SHOWER.
8. CONNECT EXISTING KITCHEN SINK. INSTALL NEW FAUCET AND DRAIN ASSEMBLY.
9. INSTALL NEW RECTANGULAR WATER TANK AS INDICATED ON DRAWING.
10. CONSTRUCTION SUPERVISOR SHALL INSPECT THE STRUCTURAL SUPPORT UNDER THE WATER TANK TO ENSURE CAPACITY TO SUPPORT A 110 GALLON WATER TANK (950 LB WHEN FULL). THE CONSTRUCTION OF EXTRA JOIST BRIDGING AND OR CONSTRUCTION OF POSTS AND PADS SHALL BE INDICATED ON THE RECORD DRAWINGS. IF AN UNEXPECTED STRUCTURAL SITUATION IS IDENTIFIED THE CONSTRUCTION SUPERVISOR SHALL CONSULT THE ENGINEER FOR DIRECTION.
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  1. ELECTRICAL PANEL - BRYANT CHALLENGER (TYPE C115), 4 SPARES
  2. OUTLETS - 2 GFI OUTLETS REQUIRED (1 NEW IN BATHROOM AND 1 NEW IN KITCHEN).
13. INSTALL NEW 10 GALLON ELECTRIC WATER HEATER (WH) ON FLOOR IN CLOSET NEXT TO BATHROOM VANITY/SINK AS INDICATED ON THE DRAWING. USE PAN UNDER TANK.
14. FIXTURE SPECIFICATIONS:
  1. HOT WATER HEATER: RHEEM ELECTRIC WATER HEATER, MODEL B1VP 105, 10 GALLON, 2000 WATTS, 120V, 1PH.
  2. WATER TANK: 110 GALLON RECTANGULAR TANK SUPPLIED BY COWATER.
  3. WATER PUMP: FLOJET WATER PUMP, MODEL 4325-043A.
  4. PRESSURE TANK: AMTROL WX-103, 3.1 GALLON.
  5. WATER FILTER: RUSCO SEDIMENT FILTER WITH VALVE, 100 MESH.
15. INSTALL 86 FT OF NEW 6 FT WIDE BOARDWALK TO ACCESS SEWAGE HOLDING TANK AND WATER TANK. CONSTRUCT BOARDWALK ON TOP OF BUILDING PAD ADJACENT TO BUILDING. WIDEN PAD TO ACCOMMODATE BOARDWALK WITH SANDBAGS.

RECORD DRAWING CERTIFICATE

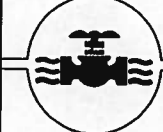
THESE DRAWINGS REFLECT RECORDED INFORMATION OBTAINED DURING CONSTRUCTION. INFORMATION PROVIDED HEREIN IS ACCURATE TO THE BEST OF MY KNOWLEDGE.

NAME DATE

SCALE REFERENCE  
1 INCH

BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALE ACCORDINGLY.

VILLAGE SAFE WATER



COWATER  
INTERNATIONAL, INC.

TUNUNAK TRADITIONAL COUNCIL  
ANDY CHARLIE SR.  
FLOOR PLAN

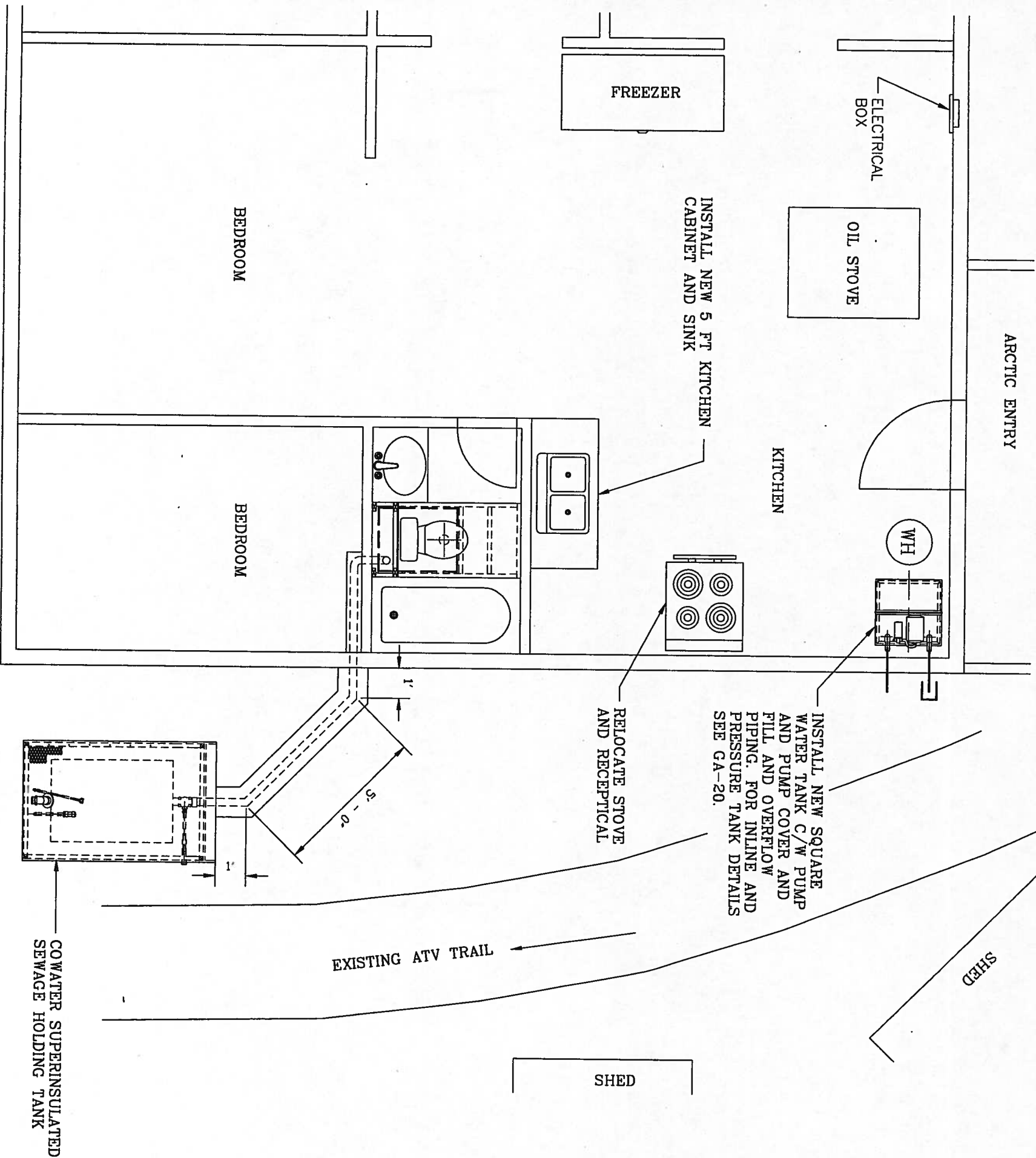
REVISION	BY	DATE
ISSUED AS ASBUILT DWG	MJL	8/5/00

Project No.	99.536
Date	21/7/99
Scale:	1/4" = 1'-0"
Drawn	MJL
Approved	MJB

ASBUILT  
DRAWINGS

MAY 8, 2000





- NOTES:
1. INSTALLATION OF FLUSH TANK AND HAUL SYSTEM TO INCLUDE HOLDING TANK, FIXTURES PIPING AND OTHER EQUIPMENT AS PER COWATER GENERAL ARRANGEMENT (GA) DRAWINGS. ALL SPECIFIC PROJECT DRAWINGS (SP) TO BE READ IN CONJUNCTION WITH COWATER GENERAL ARRANGEMENT DRAWINGS.
  2. TRANSFER TANK SYSTEM.
  3. FF TO GL = 9". OCCUPANTS: 3 ADULTS, 1 CHILD.
  4. INSTALL HOLDING TANK AS PER DRAWINGS GA-14, GA-15, GA-18 AND GA-19.
  5. INSTALL HOLDING TANK FOUNDATION AS PER DRAWING GA-08. USE ALTERNATIVE 2.
  6. BATHROOM SIZE 60" X 90".
  7. INSTALL NEW TOILET. INSTALL NEW BATHROOM SINK COMPLETE WITH NEW VANITY AND FAUCET. INSTALL EXISTING TUB AND SHOWER COMBINATION COMPLETE WITH NEW VALVE AND DRAIN ASSEMBLY.
  8. INSTALL NEW 5 FT KITCHEN CABINET AND SINK COMPLETE WITH NEW FAUCET AND DRAIN ASSEMBLY. RELOCATE EXISTING STOVE AND 220 V OUTLET AS PER DRAWING.
  9. INSTALL NEW SQUARE WATER TANK AS INDICATED ON DRAWING.
  10. CONSTRUCTION SUPERVISOR SHALL INSPECT THE STRUCTURAL SUPPORT UNDER THE WATER TANK TO ENSURE CAPACITY TO SUPPORT A 110 GALLON WATER TANK (950 LB WHEN FULL). THE CONSTRUCTION OF EXTRA JOIST BRIDGING AND OR CONSTRUCTION OF POSTS AND PADS SHALL BE INDICATED ON THE RECORD DRAWINGS. IF AN UNEXPECTED STRUCTURAL SITUATION IS IDENTIFIED THE CONSTRUCTION SUPERVISOR SHALL CONSULT THE ENGINEER FOR DIRECTION.
  11. SCREW A 2" X 2" CURB AROUND THE BASE OF THE WATER TANK. INSTRUCT THE HOMEOWNER THAT THE WATER TANK IS TO REMAIN IN THE POSITION SHOWN. PLACE PAN UNDER TANK.
  12. ELECTRICAL NOTES:
    1. ELECTRICAL PANEL - CROUSE-HINDS, 4 SPARES
    2. OUTLETS - INSTALL 2 NEW GFI OUTLETS ( 1 NEW IN BATHROOM AND 1 NEW IN KITCHEN).
  13. INSTALL NEW 10 GALLON ELECTRIC WATER HEATER (WH) ON FLOOR NEXT TO WATER TANK AS INDICATED ON THE DRAWING. USE PAN UNDER TANK.
  14. FIXTURE SPECIFICATIONS:
    1. BATHROOM LAVATORY/VANITY: 30" LONG, TYPE UNKNOWN.
    2. HOT WATER HEATER: RHEEM ELECTRIC WATER HEATER, MODEL 81VP 105, 10 GALLON, 2000 WATTS, 120V, 1PH.
    3. WATER TANK: 110 GALLON SQUARE TANK SUPPLIED BY COWATER.
    4. WATER PUMP: FLOJET WATER PUMP, MODEL 425-043A.
    5. PRESSURE TANK: AMTROL WX-103, 3.1 GALLON.
    6. WATER FILTER: RUSCO SEDIMENT FILTER WITH VALVE, 100 MESH.
  15. ACCESS GOOD. NO NEW BOARDWALKS OR ACCESS IMPROVEMENTS REQUIRED.

ROAD →

→ BEACH

ASBUILT  
DRAWINGS

MAY 8, 2000

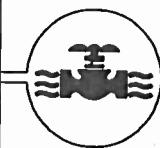
REVISION	BY	DATE
ISSUED AS ASBUILT DWG	MJL	8/5/00

TUNUNAK TRADITIONAL COUNCIL  
JENT FLYNN  
FLOOR PLAN



COWATER  
INTERNATIONAL, INC.

VILLAGE SAFE WATER



SCALE REFERENCE  
1 INCH  
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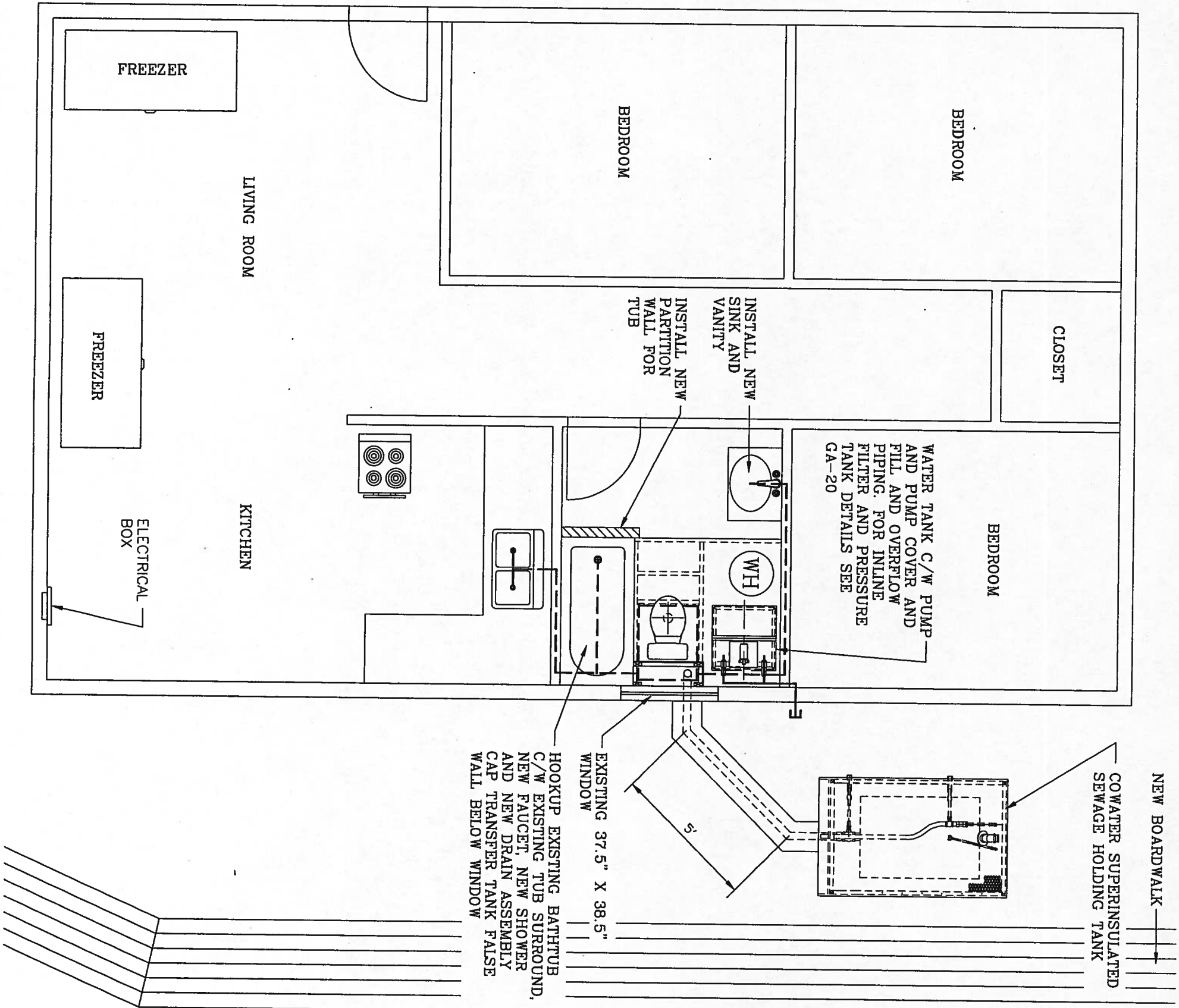
RECORD DRAWING CERTIFICATE

THESE DRAWINGS REFLECT  
RECORDED INFORMATION OBTAINED  
DURING CONSTRUCTION.  
INFORMATION PROVIDED HEREIN  
IS ACCURATE TO THE BEST OF  
MY KNOWLEDGE.

NAME DATE

Project No.	99.536
Date	08/08/99
Scale:	1/4" = 1'-0"
Drawn	MJL
Approved	MJB

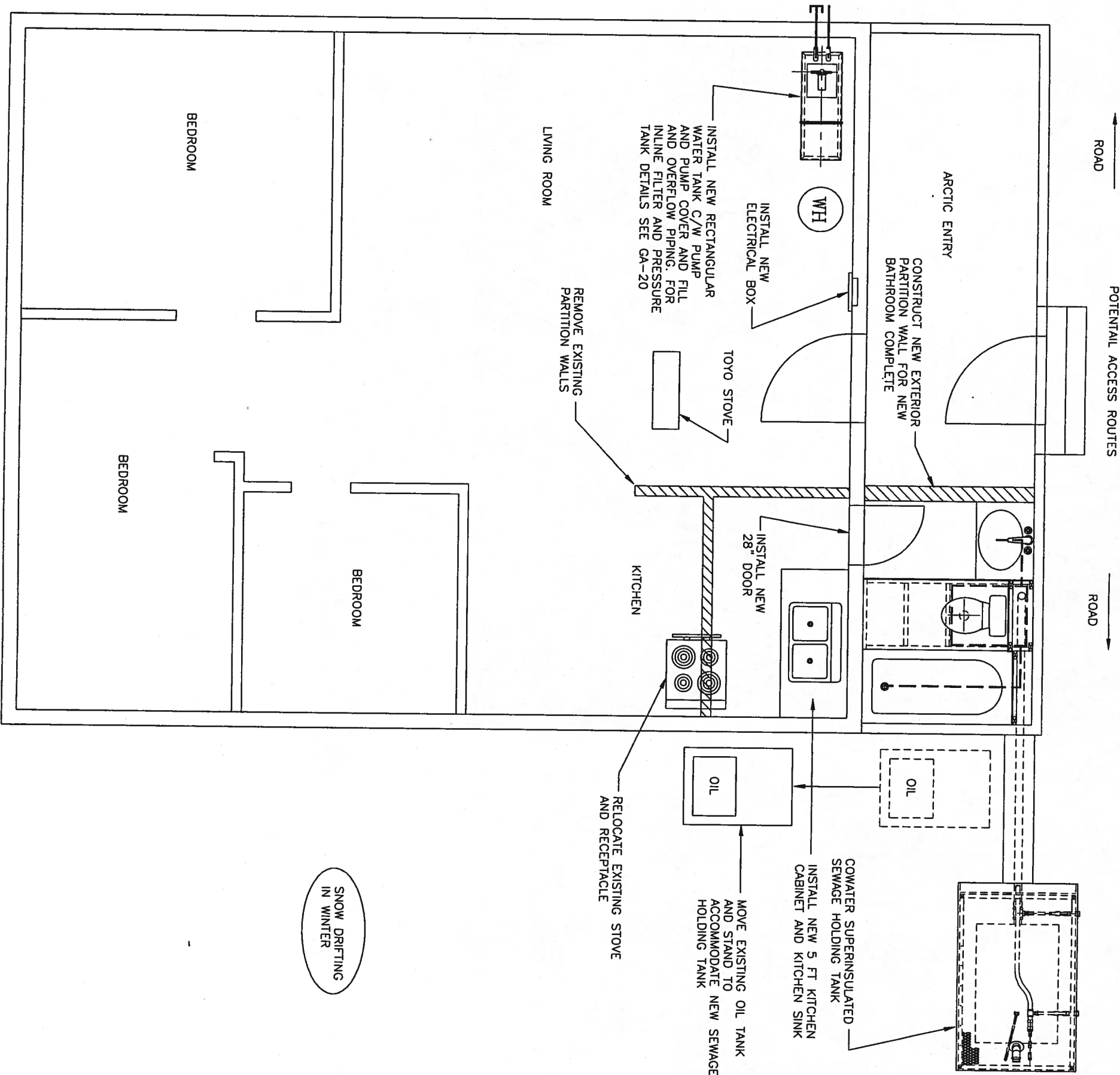
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- NOTES:
1. INSTALLATION OF FLUSH TANK AND HAUL SYSTEM TO INCLUDE HOLDING TANK, FIXTURES PIPING AND OTHER EQUIPMENT AS PER COWATER GENERAL ARRANGEMENT (GA) DRAWINGS. ALL SPECIFIC PROJECT DRAWINGS (SP) TO BE READ IN CONJUNCTION WITH COWATER GENERAL ARRANGEMENT DRAWINGS.
  2. TRANSFER TANK SYSTEM.
  3. FF TO GL = 9". OCCUPANTS: 2 ADULTS, 1 CHILD.
  4. INSTALL HOLDING TANK AS PER DRAWINGS GA-14, GA-15, GA-18 AND GA-19.
  5. INSTALL HOLDING TANK FOUNDATION AS PER DRAWING GA-09. USE ALTERNATIVE 2.
  6. BATHROOM SIZE 105" X 90".
  7. INSTALL NEW TOILET. INSTALL NEW BATHROOM SINK COMPLETE WITH NEW VANITY AND FAUCET. INSTALL EXISTING TUB AND SHOWER COMBINATION COMPLETE WITH NEW VALVE AND DRAIN ASSEMBLY.
  8. CONNECT EXISTING KITCHEN SINK COMPLETE WITH NEW FAUCET AND DRAIN ASSEMBLY. RELOCATE EXISTING STOVE AND 220 V OUTLET AS PER DRAWING.
  9. INSTALL NEW SQUARE WATER TANK AS INDICATED ON DRAWING.
  10. CONSTRUCTION SUPERVISOR SHALL INSPECT THE STRUCTURAL SUPPORT UNDER THE WATER TANK TO ENSURE CAPACITY TO SUPPORT A 110 GALLON WATER TANK (950 LB WHEN FULL). THE CONSTRUCTION OF EXTRA JOIST BRIDGING AND OR CONSTRUCTION OF POSTS AND PADS SHALL BE INDICATED ON THE RECORD DRAWINGS. IF AN UNEXPECTED STRUCTURAL SITUATION IS IDENTIFIED THE CONSTRUCTION SUPERVISOR SHALL CONSULT THE ENGINEER FOR DIRECTION.
  11. SCREW A 2" X 2" CURB AROUND THE BASE OF THE WATER TANK. INSTRUCT THE HOMEOWNER THAT THE WATER TANK IS TO REMAIN IN THE POSITION SHOWN. PLACE PAN UNDER TANK.
  12. ELECTRICAL NOTES:
    1. ELECTRICAL PANEL - SQUARE D 90C16U, 7 SPARES
    2. OUTLETS - INSTALL 2 NEW GFI OUTLETS ( 1 NEW IN BATHROOM AND 1 NEW IN KITCHEN).
  13. INSTALL NEW 10 GALLON ELECTRIC WATER HEATER (WH) ON FLOOR NEXT TO WATER TANK AS INDICATED ON THE DRAWING. USE PAN UNDER TANK.
  14. FIXTURE SPECIFICATIONS:
    1. BATHROOM LAVATORY/VANITY: 30" LONG, TYPE UNKNOWN.
    2. HOT WATER HEATER: RHEEM ELECTRIC WATER HEATER, MODEL 81VP 105, 10 GALLON, 2000 WATTS, 120V, 1PH.
    3. WATER TANK: 110 GALLON SQUARE TANK SUPPLIED BY COWATER.
    4. WATER PUMP: FLOJET WATER PUMP, MODEL 425-043A.
    5. PRESSURE TANK: AMTROL WX-103, 3.1 GALLON.
    6. WATER FILTER: RUSCO SEDIMENT FILTER WITH VALVE, 100 MESH.
  15. ACCESS GOOD. HOUSE LOCATED BESIDE ROAD. EXISTING BOARDWALK LOCATED 1 FT FROM BUILDING. APPROXIMATELY 40 FT OF NEW BOARDWALK REQUIRED. REMOVE EXISTING BOARDWALK BESIDE HOUSE AND RECONSTRUCT NEW BOARDWALK TO GO AROUND HOLDING TANK AND CONNECT TO EXISTING BOARDWALKS.

ASBUILT  
DRAWINGS  
MAY 8, 2000

Project No. 99.536	REVISION	BY	DATE	TUNUNAK TRADITIONAL COUNCIL	VILLAGE SAFE WATER	SCALE REFERENCE 1 INCH	RECORD DRAWING CERTIFICATE
Date 08/08/99	ISSUED AS ASBUILT DWG	MJL	8/5/00	MATHIAS JAMES FLOOR PLAN		BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALE ACCORDINGLY.	THESE DRAWINGS REFLECT RECORDED INFORMATION OBTAINED DURING CONSTRUCTION. INFORMATION PROVIDED HEREIN IS ACCURATE TO THE BEST OF MY KNOWLEDGE.  NAME DATE
Scale: 1/4"=1'-0"							
Drawn MJL							
Approved MJB							



- NOTES:
1. INSTALLATION OF FLUSH TANK AND HAUL SYSTEM TO INCLUDE HOLDING TANK, FIXTURES PIPING AND OTHER EQUIPMENT AS PER COWATER GENERAL ARRANGEMENT (GA) DRAWINGS. ALL SPECIFIC PROJECT DRAWINGS (SP) TO BE READ IN CONJUNCTION WITH COWATER GENERAL ARRANGEMENT DRAWINGS.
  2. TRANSFER TANK SYSTEM.
  3. FF TO GL = 9". OCCUPANTS: 2 ADULTS, 1 CHILD.
  4. INSTALL NEW BATHROOM ON ARCTIC ENTRY. OWNER AGREES TO INSULATE EXTERIOR WALLS, FLOOR AND CEILING OF ARCTIC ENTRY PRIOR TO CONSTRUCTION. INSTALL HOLDING TANK AS PER DRAWINGS GA-14, GA-15, GA-18 AND GA-19.
  5. INSTALL HOLDING TANK FOUNDATION AS PER DRAWING GA-09. USE ALTERNATIVE 2.
  6. BATHROOM SIZE 68" X 90".
  7. CONSTRUCT NEW BATHROOM ON EXISTING ARCTIC ENTRY. CONSTRUCT NEW PARTITION WALL ACROSS ARCTIC ENTRY TO ENCLOSE BATHROOM. INSULATE AND FINISH BATHROOM WALLS, CEILING AND FLOOR. INSTALL NEW 28" DOOR TO ACCESS NEW BATHROOM. INSTALL NEW TOILET. INSTALL NEW BATHROOM SINK COMPLETE WITH NEW VANITY AND FAUCET. INSTALL NEW TUB AND SHOWER COMBINATION COMPLETE WITH NEW VALVE AND DRAIN ASSEMBLY.
  8. MOVE EXISTING KITCHEN TO EXISTING BATHROOM/LIVING ROOM. REMOVE EXISTING BATHROOM WALLS. INSTALL NEW 5 FT KITCHEN CABINET AND SINK COMPLETE WITH NEW FAUCET AND DRAIN ASSEMBLY. RELOCATE EXISTING STOVE AND 220 V OUTLET AS PER DRAWING.
  9. INSTALL NEW RECTANGULAR WATER TANK AS INDICATED ON DRAWING.
  10. CONSTRUCTION SUPERVISOR SHALL INSPECT THE STRUCTURAL SUPPORT UNDER THE WATER TANK TO ENSURE CAPACITY TO SUPPORT A 110 GALLON WATER TANK (950 LB WHEN FULL). THE CONSTRUCTION OF EXTRA JOIST BRIDGING AND OR CONSTRUCTION OF POSTS AND PADS SHALL BE INDICATED ON THE RECORD DRAWINGS. IF AN UNEXPECTED STRUCTURAL SITUATION IS IDENTIFIED THE CONSTRUCTION SUPERVISOR SHALL CONSULT THE ENGINEER FOR DIRECTION.
  11. SCREW A 2" X 2" CURB AROUND THE BASE OF THE WATER TANK. INSTRUCT THE HOMEOWNER THAT THE WATER TANK IS TO REMAIN IN THE POSITION SHOWN. PLACE PAN UNDER TANK.
  12. ELECTRICAL NOTES:
    1. ELECTRICAL PANEL - CROUSE-HINDS, 10 SPARES
    2. OUTLETS - INSTALL 2 NEW GFI OUTLETS ( 1 NEW IN BATHROOM AND 1 NEW IN KITCHEN).
  13. INSTALL NEW 10 GALLON ELECTRIC WATER HEATER (WH) ON FLOOR NEXT TO WATER TANK AS INDICATED ON THE DRAWING. USE PAN UNDER TANK.
  14. FIXTURE SPECIFICATIONS:
    1. BATHROOM LAVATORY/VANITY: 30" LONG, TYPE UNKNOWN.
    2. HOT WATER HEATER: RHEEM ELECTRIC WATER HEATER, MODEL 81VP105, 10 GALLON, 2000 WATTS, 120V, 1PH.
    3. WATER TANK: 110 GALLON SQUARE TANK SUPPLIED BY COWATER.
    4. WATER PUMP: FLOJET WATER PUMP, MODEL 425-043A.
    5. PRESSURE TANK: AMTROL WX-103, 3.1 GALLON.
    6. WATER FILTER: RUSCO SEDIMENT FILTER WITH VALVE, 100 MESH.
  15. ACCESS GOOD. NO NEW BOARDWALKS OR ACCESS IMPROVEMENTS REQUIRED.

ASBUILT  
DRAWINGS

MAY 8, 2000

REVISION		BY	DATE
ISSUED AS ASBUILT DWG		MA	8/5/00

TUNUNAK TRADITIONAL COUNCIL  
STANLEY KANRILAK  
FLOOR PLAN



COWATER  
INTERNATIONAL, INC.

VILLAGE SAFE WATER



SCALE REFERENCE  
1 INCH

BAR IS ONE INCH ON  
ORIGINAL DRAWING IF  
NOT ONE INCH ON THIS  
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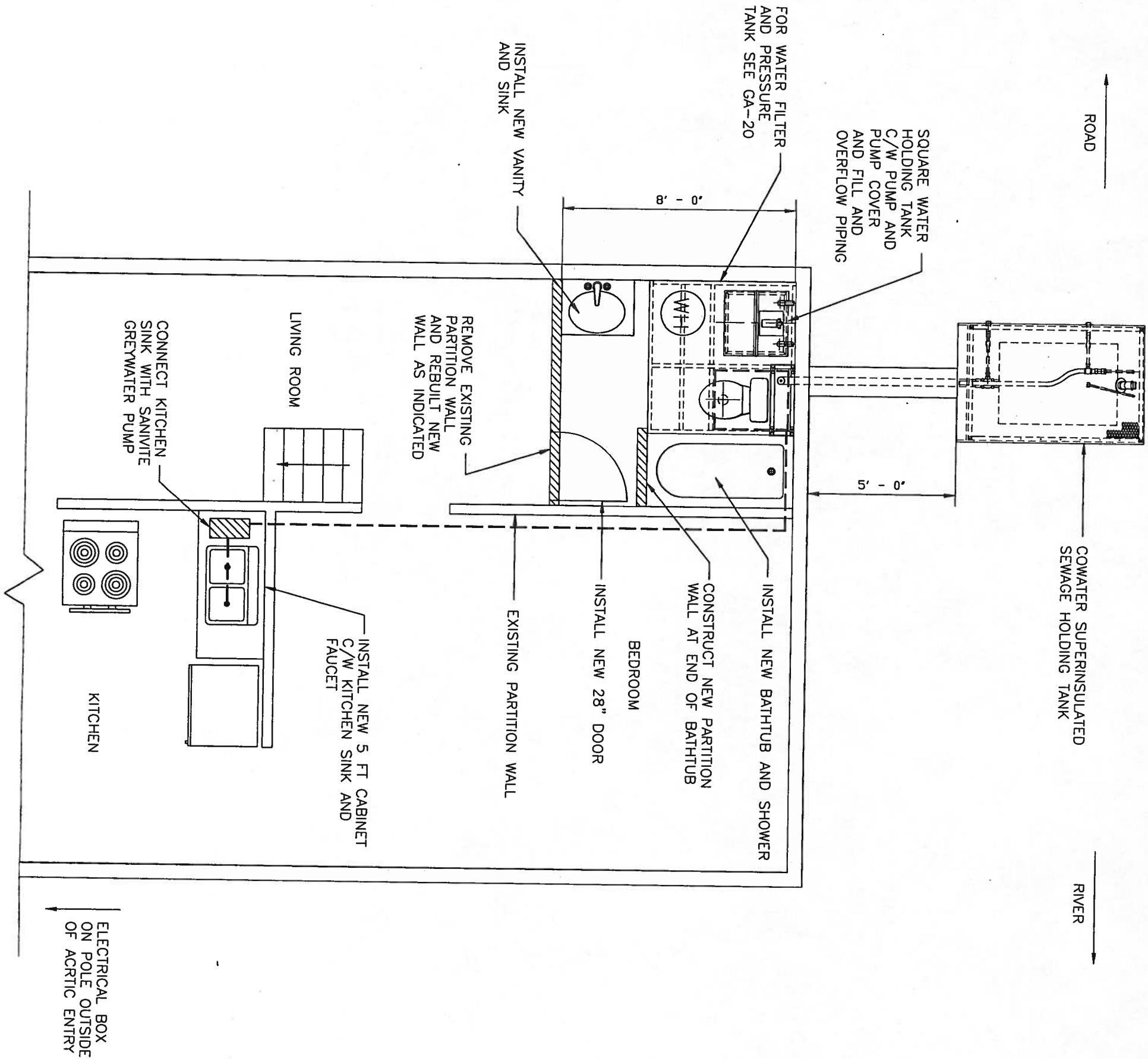
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MY KNOWLEDGE

NAME  
DATE

Project No. 99.536  
Date 08/08/99  
Scale: 1/4"=1'-0"  
Drawn MJL  
Approved MJB





- NOTES:
1. INSTALLATION OF FLUSH TANK AND HAUL SYSTEM TO INCLUDE HOLDING TANK, FIXTURES PIPING AND OTHER EQUIPMENT AS PER COWATER GENERAL ARRANGEMENT (GA) DRAWINGS. ALL SPECIFIC PROJECT DRAWINGS (SP) TO BE READ IN CONJUNCTION WITH COWATER GENERAL ARRANGEMENT DRAWINGS.
  2. TRANSFER TANK SYSTEM.
  3. FF TO GL = 9". OCCUPANTS: 2 ADULTS, 1 CHILD.
  4. CONVERT EXISTING BEDROOM INTO BATHROOM. INSTALL HOLDING TANK AS PER DRAWINGS GA-14, GA-15, GA-18 AND GA-19.
  5. INSTALL HOLDING TANK FOUNDATION AS PER DRAWING GA-09. USE ALTERNATIVE 2.
  6. BATHROOM SIZE 92" X 137".
  7. INSTALL NEW TOILET. INSTALL NEW BATHROOM SINK COMPLETE WITH NEW VANITY AND FAUCET. INSTALL NEW TUB AND SHOWER COMBINATION COMPLETE WITH NEW VALVE AND DRAIN ASSEMBLY.
  8. INSTALL NEW COUNTER TOP IN KITCHEN. HOOKUP EXISTING KITCHEN SINK COMPLETE WITH NEW FAUCET AND DRAIN ASSEMBLY. SINK INSTALLATION WILL REQUIRE A SANIVITE GREYWATER PUMP.
  9. INSTALL NEW SQUARE WATER TANK AS INDICATED ON DRAWING.
  10. CONSTRUCTION SUPERVISOR SHALL INSPECT THE STRUCTURAL SUPPORT UNDER THE WATER TANK TO ENSURE CAPACITY TO SUPPORT A 110 GALLON WATER TANK (950 LB WHEN FULL). THE CONSTRUCTION OF EXTRA JOIST BRIDGING AND OR CONSTRUCTION OF POSTS AND PADS SHALL BE INDICATED ON THE RECORD DRAWINGS. IF AN UNEXPECTED STRUCTURAL SITUATION IS IDENTIFIED THE CONSTRUCTION SUPERVISOR SHALL CONSULT THE ENGINEER FOR DIRECTION.
  11. SCREW A 2" X 2" CURB AROUND THE BASE OF THE WATER TANK. INSTRUCT THE HOMEOWNER THAT THE WATER TANK IS TO REMAIN IN THE POSITION SHOWN. PLACE PAN UNDER TANK.
  12. ELECTRICAL NOTES:
    1. ELECTRICAL PANEL - EXISTING SERVICE LOCATED ON POLE OUTSIDE ARCTIC ENTRY. INSTALL NEW METER AND PANEL FOR EXISTING SERVICE.
    2. OUTLETS - INSTALL 2 NEW GFI OUTLETS ( 1 NEW IN BATHROOM AND 1 NEW IN KITCHEN).
    13. INSTALL NEW 10 GALLON ELECTRIC WATER HEATER (WH) ON FLOOR NEXT TO WATER TANK AS INDICATED ON THE DRAWING. USE PAN UNDER TANK.
    14. FIXTURE SPECIFICATIONS:
      1. BATHROOM LAVATORY/VANITY: 30" LONG, TYPE UNKNOWN.
      2. HOT WATER HEATER: RHEEM ELECTRIC WATER HEATER, MODEL 81VP 105, 10 GALLON, 2000 WATTS, 120V, 1PH.
      3. WATER TANK: 110 GALLON SQUARE TANK SUPPLIED BY COWATER.
      4. WATER PUMP: FLOJET WATER PUMP, MODEL 425--043A.
      5. PRESSURE TANK: AMTROL WX-103, 3.1 GALLON.
      6. WATER FILTER: RUSCO SEDIMENT FILTER WITH VALVE, 100 MESH.
    15. ACCESS GOOD. NO NEW BOARDWALKS OR ACCESS IMPROVEMENTS REQUIRED.

ASBUILT  
DRAWINGS

MAY 8, 2000

REVISION		BY	DATE
ISSUED AS ASBUILT DWG		MJL	8/5/00

TUNUNAK TRADITIONAL COUNCIL  
JOHN WALTER SR.  
FLOOR PLAN



COWATER  
INTERNATIONAL, INC.

VILLAGE SAFE WATER



SCALE REFERENCE

1 INCH

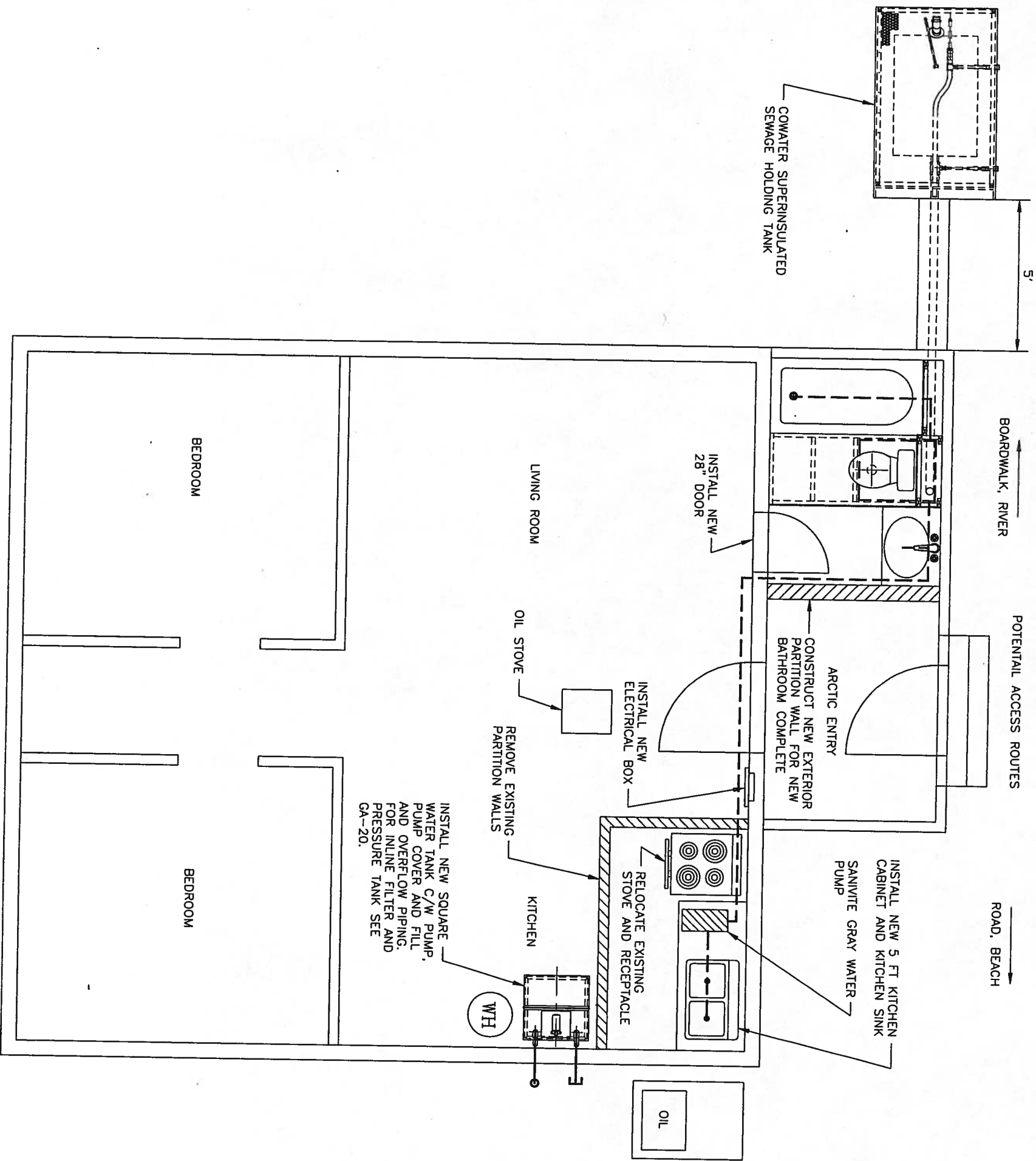
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NAME DATE

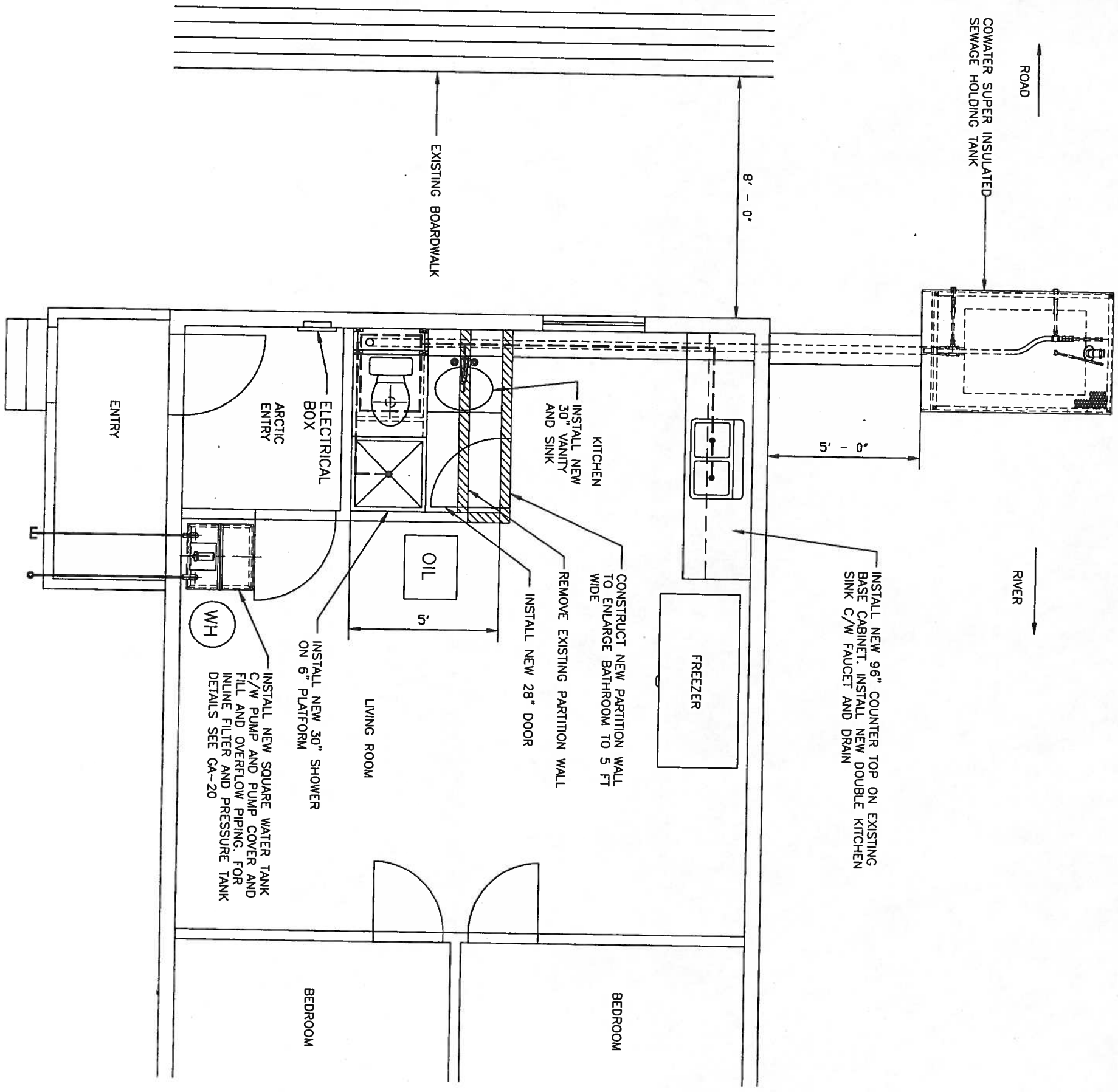
Project No. 99.536  
Date 08/08/99  
Scale: 1/4" = 1'-0"  
Drawn MJL  
Approved MJB



PLAN VIEW  
(SCALE 1/4" = 1 FT)

- NOTES:
1. INSTALLATION OF FLUSH TANK AND HAUL SYSTEM TO INCLUDE HOLDING TANK, FIXTURES PIPING AND OTHER EQUIPMENT AS PER COWATER GENERAL ARRANGEMENT (GA) DRAWINGS. ALL SPECIFIC PROJECT DRAWINGS (SP) TO BE READ IN CONJUNCTION WITH COWATER GENERAL ARRANGEMENT DRAWINGS.
  2. TRANSFER TANK SYSTEM.
  3. FF TO GL = 9". OCCUPANTS: 2 ADULTS, 5 CHILD.
  4. INSTALL HOLDING TANK AS PER DRAWINGS GA-14, GA-15, GA-18 AND GA-19.
  5. INSTALL HOLDING TANK FOUNDATION AS PER DRAWING GA-08. USE ALTERNATIVE 2.
  6. OWNER WOULD LIKE THE BATHROOM LOCATED IN THE ARCTIC ENTRY. OWNER AGREES TO INSULATE THE EXTERIOR WALLS FLOOR AND CEILING PRIOR TO THE START OF CONSTRUCTION. INSTALL NEW 30" ENTRY DOOR TO NEW BATHROOM. BATHROOM SIZE 60" X 90".
  7. INSTALL NEW TOILET. INSTALL NEW BATHROOM SINK COMPLETE WITH NEW VANITY AND FAUCET. INSTALL NEW TUB AND SHOWER COMBINATION COMPLETE WITH NEW VALVE AND DRAIN ASSEMBLY.
  8. INSTALL NEW 5 FT KITCHEN CABINET AND SINK COMPLETE WITH NEW FAUCET AND DRAIN ASSEMBLY. RELOCATE EXISTING STOVE AND 220 V OUTLET BESIDE NEW CABINET AS PER DRAWING.
  9. INSTALL NEW SQUARE WATER TANK AS INDICATED ON DRAWING.
  10. CONSTRUCTION SUPERVISOR SHALL INSPECT THE STRUCTURAL SUPPORT UNDER THE WATER TANK TO ENSURE CAPACITY TO SUPPORT A 110 GALLON WATER TANK (950 LB WHEN FULL). THE CONSTRUCTION OF EXTRA JOIST BRIDGING AND OR CONSTRUCTION OF IF AN UNEXPECTED STRUCTURAL SITUATION IS IDENTIFIED THE CONSTRUCTION SUPERVISOR SHALL CONSULT THE ENGINEER FOR DIRECTION.
  11. SCREW A 2" X 2" CURB AROUND THE BASE OF THE WATER TANK. INSTRUCT THE HOMEOWNER THAT THE WATER TANK IS TO REMAIN IN THE POSITION SHOWN. PLACE PAN UNDER TANK.
  12. ELECTRICAL NOTES:
    1. ELECTRICAL PANEL - ON OUTSIDE POLE. INSTALL NEW METER AND PANEL.
    2. OUTLETS - INSTALL 2 NEW GFI OUTLETS ( 1 NEW IN BATHROOM AND 1 NEW IN KITCHEN).
  13. INSTALL NEW 10 GALLON ELECTRIC WATER HEATER (WH) ON FLOOR NEXT TO WATER TANK AS INDICATED ON THE DRAWING. USE PAN UNDER TANK.
  14. FIXTURE SPECIFICATIONS:
    1. BATHROOM LAVATORY/VANITY: 30" LONG.
    2. HOT WATER HEATER: RHEEM ELECTRIC WATER HEATER, MODEL B1VP105, 10 GALLON, 2000 WATTS, 120V, 1PH.
    3. WATER TANK: 110 GALLON SQUARE TANK SUPPLIED BY COWATER.
    4. WATER PUMP: FLOJET WATER PUMP, MODEL 425-043A.
    5. PRESSURE TANK: AMTROL WX-103, 3.1 GALLON.
    6. WATER FILTER: RUSCO SEDIMENT FILTER WITH VALVE, 100 MESH.
  15. ACCESS GOOD. NO NEW BOARDWALKS OR ACCESS IMPROVEMENTS REQUIRED.

ASBUILT  
DRAWINGS  
MAY 8, 2000



NOTES:

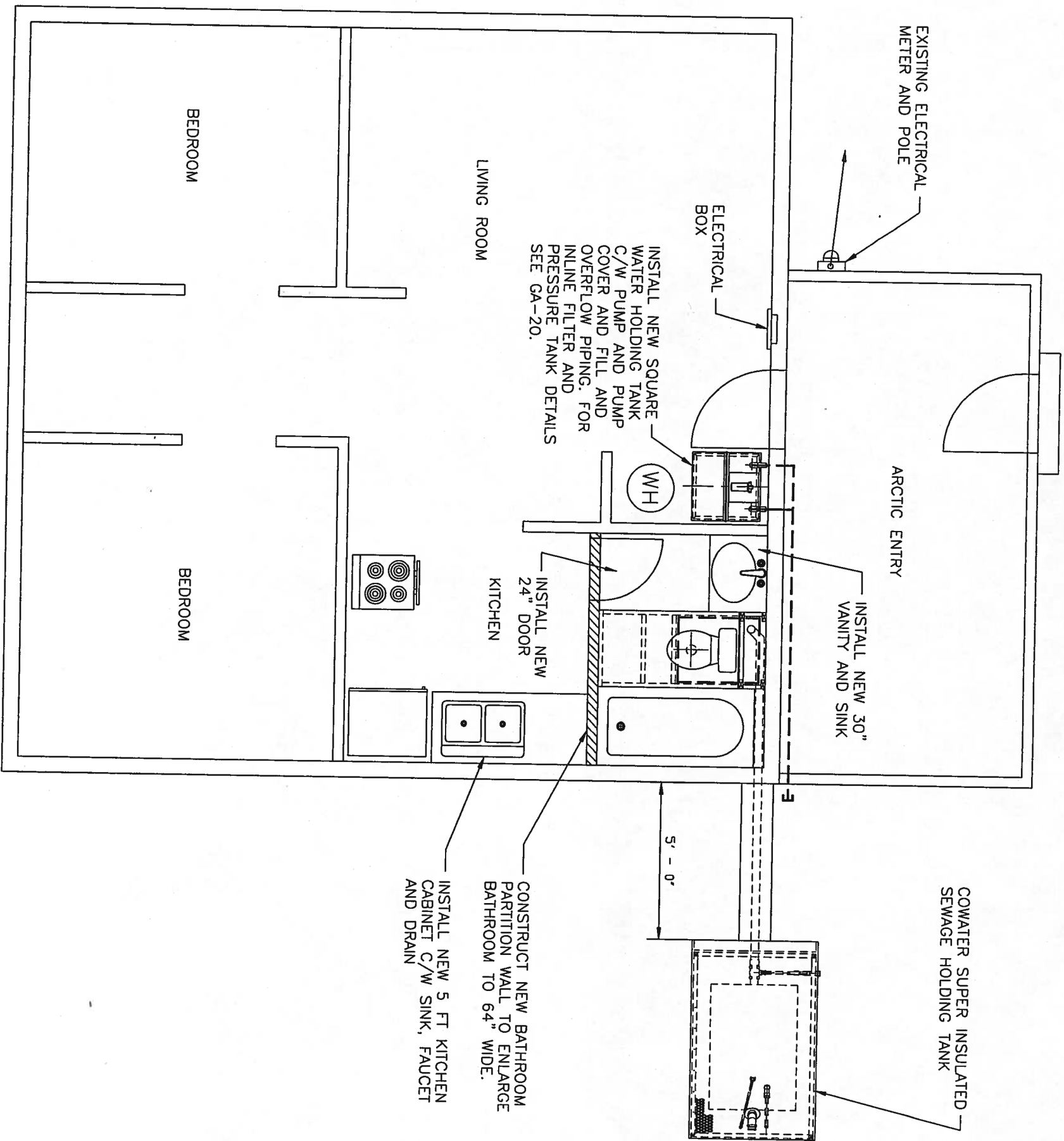
1. INSTALLATION OF FLUSH TANK AND HAUL SYSTEM TO INCLUDE HOLDING TANK, FIXTURES PIPING AND OTHER EQUIPMENT AS PER COWATER GENERAL ARRANGEMENT (GA) DRAWINGS. ALL SPECIFIC PROJECT DRAWINGS (SP) TO BE READ IN CONJUNCTION WITH COWATER GENERAL ARRANGEMENT DRAWINGS.
2. TRANSFER TANK SYSTEM.
3. FF TO GL = 9". OCCUPANTS: 2 ADULTS.
4. INSTALL HOLDING TANK AS PER DRAWINGS GA-14, GA-15, GA-18 AND GA-19.
5. INSTALL HOLDING TANK FOUNDATION AS PER DRAWING GA-09. USE ALTERNATIVE 2.
6. REMOVE EXISTING BATHROOM WALL BETWEEN BATHROOM AND KITCHEN. INSTALL NEW 6 FT PARTITION WALL TON EXPAND BATHROOM SIZE BY APPROXIMATELY 1 FT. BATHROOM SIZE 60" X 73". INSTALL NEW 24" DOOR.
7. INSTALL NEW TOILET. INSTALL NEW 24" BATHROOM SINK COMPLETE WITH NEW VANITY AND FAUCET. INSTALL NEW SHOWER COMPLETE WITH NEW VALVE AND DRAIN ASSEMBLY.
8. OWNER WANTS TO KEEP EXISTING KITCHEN CABINETS. INSTALL NEW 8 FT KITCHEN COUNTER TOP (TO MATCH EXISTING) AND SINK COMPLETE WITH NEW FAUCET AND DRAIN ASSEMBLY.
9. INSTALL NEW SQUARE WATER TANK AS INDICATED ON DRAWING.
10. CONSTRUCTION SUPERVISOR SHALL INSPECT THE STRUCTURAL SUPPORT UNDER THE WATER TANK TO ENSURE CAPACITY TO SUPPORT A 110 GALLON WATER TANK (960 LB WHEN FULL). THE CONSTRUCTION OF EXTRA JOIST BRIDGING AND OR CONSTRUCTION OF POSTS AND PADS SHALL BE INDICATED ON THE RECORD DRAWINGS IF AN UNEXPECTED STRUCTURAL SITUATION IS IDENTIFIED THE CONSTRUCTION SUPERVISOR SHALL CONSULT THE ENGINEER FOR DIRECTION.
11. SCREW A 2" X 2" CURB AROUND THE BASE OF THE WATER TANK. INSTRUCT THE HOMEOWNER THAT THE WATER TANK IS TO REMAIN IN THE POSITION SHOWN. PLACE PAN UNDER TANK.
12. ELECTRICAL NOTES:
  1. ELECTRICAL PANEL - PANEL (GE) LOCATED ON POLE. INSTALL NEW SERVICE ENTRY, METER AND PANEL.
  2. OUTLETS - INSTALL 2 NEW GFI OUTLETS ( 1 NEW IN BATHROOM AND 1 NEW IN KITCHEN).
13. INSTALL NEW 10 GALLON ELECTRIC WATER HEATER (WH) ON FLOOR NEXT TO WATER TANK AS INDICATED ON THE DRAWING. USE PAN UNDER TANK.
14. FIXTURE SPECIFICATIONS:
  1. BATHROOM LAVATORY/VANITY: 24" LONG, TYPE UNKNOWN.
  2. HOT WATER HEATER: RHEEM ELECTRIC WATER HEATER, MODEL 81VP 105, 10 GALLON, 2000 WATTS, 120V, 1PH.
  3. WATER TANK: 110 GALLON SQUARE TANK SUPPLIED BY COWATER.
  4. WATER PUMP: FLOJET WATER PUMP, MODEL 425-043A.
  5. PRESSURE TANK: AMTROL WX-103, 3.1 GALLON.
  6. WATER FILTER: RUSCO SEDIMENT FILTER WITH VALVE, 100 MESH.
15. ACCESS GOOD. NO NEW BOARDWALKS OR ACCESS IMPROVEMENTS REQUIRED.

ASBUILT  
DRAWINGS

MAY 8, 2000

Project No. 99.536 Date 08/08/99 Scale: 1/4"=1'-0" Drawn MJL Approved MJB	REVISION ISSUED AS ASBUILT DWG	BY MJL	DATE 8/5/00	TUNUNAK TRADITIONAL COUNCIL ALEXANDER HOOPER FLOOR PLAN	COWATER INTERNATIONAL, INC.	VILLAGE SAFE WATER	SCALE REFERENCE 1 INCH BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALE ACCORDINGLY.	RECORD DRAWING CERTIFICATE THESE DRAWINGS REFLECT RECORDED INFORMATION OBTAINED DURING CONSTRUCTION. INFORMATION PROVIDED HEREIN IS ACCURATE TO THE BEST OF MY KNOWLEDGE. <i>Alexander Hooper</i> NAME DATE





- NOTES:
1. INSTALLATION OF FLUSH TANK AND HAUL SYSTEM TO INCLUDE HOLDING TANK, FIXTURES PIPING AND OTHER EQUIPMENT AS PER COWATER GENERAL ARRANGEMENT (GA) DRAWINGS. ALL SPECIFIC PROJECT DRAWINGS (SP) TO BE READ IN CONJUNCTION WITH COWATER GENERAL ARRANGEMENT DRAWINGS.
  2. TRANSFER TANK SYSTEM.
  3. FF TO GL = 9". OCCUPANTS: 5 ADULTS, 3 CHILD.
  4. INSTALL HOLDING TANK AS PER DRAWINGS GA-14, GA-15, GA-18 AND GA-19.
  5. INSTALL HOLDING TANK FOUNDATION AS PER DRAWING GA-09. USE ALTERNATIVE 2.
  6. OWNER WANTS NEW BATHROOM BUILT IN KITCHEN. INSTALL NEW 7 1/2 FT PARTITION WALL COMPLETE WITH NEW 24" DOOR. BATHROOM SIZE 64" X 90".
  7. INSTALL NEW TOILET. INSTALL NEW BATHROOM SINK COMPLETE WITH NEW VANITY AND FAUCET. INSTALL NEW TUB AND SHOWER COMBINATION COMPLETE WITH NEW VALVE AND DRAIN ASSEMBLY.
  8. REMOVE EXISTING KITCHEN CABINETS IN AREA OF NEW BATHROOM. INSTALL NEW 5 FT KITCHEN CABINET AND SINK COMPLETE WITH NEW FAUCET AND DRAIN ASSEMBLY. RELOCATE EXISTING STOVE AND 220 V OUTLET AS PER DRAWING.
  9. INSTALL NEW SQUARE WATER TANK AS INDICATED ON DRAWING.
  10. CONSTRUCTION SUPERVISOR SHALL INSPECT THE STRUCTURAL SUPPORT UNDER THE WATER TANK TO ENSURE CAPACITY TO SUPPORT A 110 GALLON WATER TANK (950 LB WHEN FULL). THE CONSTRUCTION OF EXTRA JOIST BRIDGING AND OR CONSTRUCTION OF POSTS AND PADS SHALL BE INDICATED ON THE RECORD DRAWINGS. IF AN UNEXPECTED STRUCTURAL SITUATION IS IDENTIFIED THE CONSTRUCTION SUPERVISOR SHALL CONSULT THE ENGINEER FOR DIRECTION.
  11. SCREW A 2" X 2" CURB AROUND THE BASE OF THE WATER TANK. INSTRUCT THE HOMEOWNER THAT THE WATER TANK IS TO REMAIN IN THE POSITION SHOWN. PLACE PAN UNDER TANK.
  12. ELECTRICAL NOTES:
    1. ELECTRICAL PANEL - PANEL LOCATED OUTSIDE ON POLE. INSTALL NEW ELECTRICAL SERVICE ENTRY, METER AND PANEL.
    2. OUTLETS - INSTALL 2 NEW GFI OUTLETS ( 1 NEW IN BATHROOM AND 1 NEW IN KITCHEN).
  13. INSTALL NEW 10 GALLON ELECTRIC WATER HEATER (WH) ON FLOOR NEXT TO WATER TANK AS INDICATED ON THE DRAWING. USE PAN UNDER TANK.
  14. FIXTURE SPECIFICATIONS:
    1. BATHROOM LAVATORY/VANITY: 30" LONG, TYPE UNKNOWN.
    2. HOT WATER HEATER: RHEEM ELECTRIC WATER HEATER, MODEL 81VP105, 10 GALLON, 2000 WATTS, 120V, 1PH.
    3. WATER TANK: 110 GALLON RECTANGULAR TANK SUPPLIED BY COWATER.
    4. WATER PUMP: FLOJET WATER PUMP, MODEL 425-043A.
    5. PRESSURE TANK: ANITROL WX-103, 3.1 GALLON.
    6. WATER FILTER: RUSCO SEDIMENT FILTER WITH VALVE, 100 MESH.
  15. ACCESS GOOD. NO NEW BOARDWALKS OR ACCESS IMPROVEMENTS REQUIRED.

RECORD DRAWING CERTIFICATE

THESE DRAWINGS REFLECT  
RECORDED INFORMATION OBTAINED  
DURING CONSTRUCTION.  
INFORMATION PROVIDED HEREIN  
IS ACCURATE TO THE BEST OF  
MY KNOWLEDGE.

NAME *Michael J. Flynn* DATE

SCALE REFERENCE  
1 INCH

BAR IS ONE INCH ON  
ORIGINAL DRAWING IF  
NOT ONE INCH ON THIS  
SHEET, ADJUST SCALE  
ACCORDINGLY.

VILLAGE SAFE WATER



COWATER  
INTERNATIONAL, INC.



TUNUNAK TRADITIONAL COUNCIL

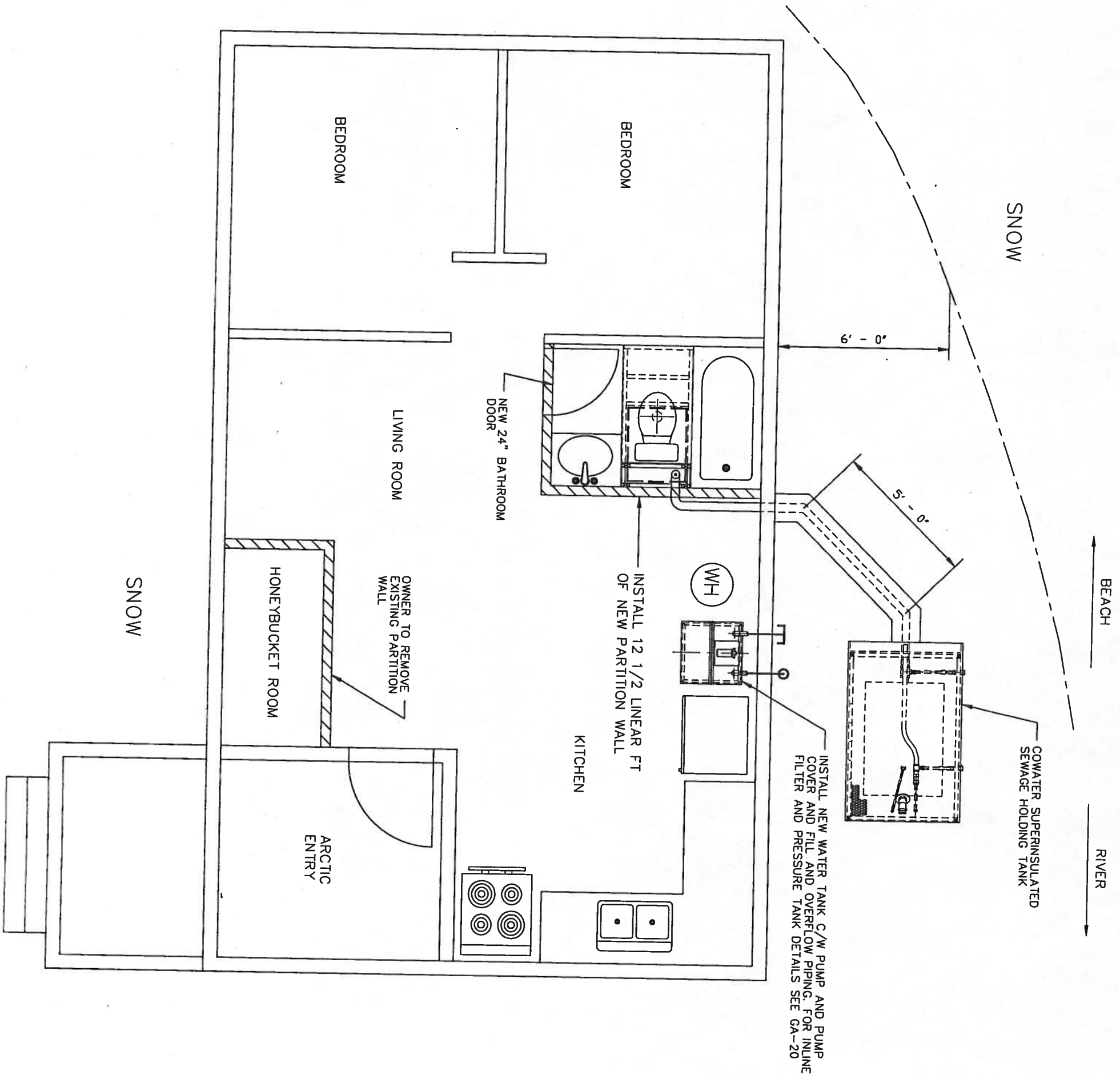
FRANK FLYNN  
FLOOR PLAN

REVISION	BY	DATE
ISSUED AS ASBUILT DWG	MJL	8/3/00

Project No. 99.536  
Date 08/08/99  
Scale: 1/4" = 1'-0"  
Drawn MJL  
Approved MJB

ASBUILT  
DRAWINGS

MAY 8, 2000



- NOTES:
1. INSTALLATION OF FLUSH TANK AND HAUL SYSTEM TO INCLUDE HOLDING TANK, FIXTURES PIPING AND OTHER EQUIPMENT AS PER COWATER GENERAL ARRANGEMENT (GA) DRAWINGS. ALL SPECIFIC PROJECT DRAWINGS (SP) TO BE READ IN CONJUNCTION WITH COWATER GENERAL ARRANGEMENT DRAWINGS.
  2. TRANSFER TANK SYSTEM.
  3. FF TO GL = 9". OCCUPANTS: 2 ADULTS, 6 CHILD.
  4. INSTALL HOLDING TANK AS PER DRAWINGS GA-14, GA-15, GA-18 AND GA-19.
  5. INSTALL HOLDING TANK FOUNDATION AS PER DRAWING GA-09. USE ALTERNATIVE 2.
  6. OWNER WANTS BATHROOM IN LIVING ROOM. BATHROOM SIZE 60" X 90".
  7. INSTALL NEW TOILET. INSTALL NEW BATHROOM SINK COMPLETE WITH NEW VANITY AND FAUCET. INSTALL NEW TUB AND SHOWER COMBINATION COMPLETE WITH NEW VALVE AND DRAIN ASSEMBLY.
  8. HOOKUP EXISTING KITCHEN SINK COMPLETE WITH NEW FAUCET AND DRAIN ASSEMBLY.
  9. INSTALL NEW SQUARE WATER TANK NEXT TO BATHROOM WALL AS INDICATED ON DRAWING COMPLETE WITH FILL AND OVERFLOW PIPING.
  10. CONSTRUCTION SUPERVISOR SHALL INSPECT THE STRUCTURAL SUPPORT UNDER THE WATER TANK TO ENSURE CAPACITY TO SUPPORT A 110 GALLON WATER TANK (950 LB WHEN FULL). THE CONSTRUCTION OF EXTRA JOIST BRIDGING AND OR CONSTRUCTION OF POSTS AND PADS SHALL BE INDICATED ON THE RECORD DRAWINGS. IF AN UNEXPECTED STRUCTURAL SITUATION IS IDENTIFIED THE CONSTRUCTION SUPERVISOR SHALL CONSULT THE ENGINEER FOR DIRECTION.
  11. SCREW A 2" X 2" CURB AROUND THE BASE OF THE WATER TANK. INSTRUCT THE HOMEOWNER THAT THE WATER TANK IS TO REMAIN IN THE POSITION SHOWN. PLACE PAN UNDER TANK.
  12. ELECTRICAL NOTES:
    1. ELECTRICAL PANEL - UNKNOWN.
    2. OUTLETS - INSTALL 2 NEW GFI OUTLETS ( 1 NEW IN BATHROOM AND 1 NEW IN KITCHEN).
  13. INSTALL NEW 10 GALLON ELECTRIC WATER HEATER (WH) ON FLOOR NEXT TO WATER TANK AS INDICATED ON THE DRAWING. USE PAN UNDER TANK.
  14. FIXTURE SPECIFICATIONS:
    1. BATHROOM LAVATORY/VANITY: 30" LONG, TYPE UNKNOWN.
    2. HOT WATER HEATER: RHEEM ELECTRIC WATER HEATER, MODEL 81VP 105, 10 GALLON, 2000 WATTS, 120V, 1PH.
    3. WATER TANK: 110 GALLON SQUARE WATER TANK SUPPLIED BY COWATER.
    4. WATER PUMP: FLOJET WATER PUMP, MODEL 425-043A.
    5. PRESSURE TANK: AMTROL WX-103, 3.1 GALLON.
    6. WATER FILTER: RUSCO, SEDIMENT FILTER WITH VALVE, 100 MESH.
  15. ACCESS GOOD. NO NEW BOARDWALKS OR ACCESS IMPROVEMENTS REQUIRED.

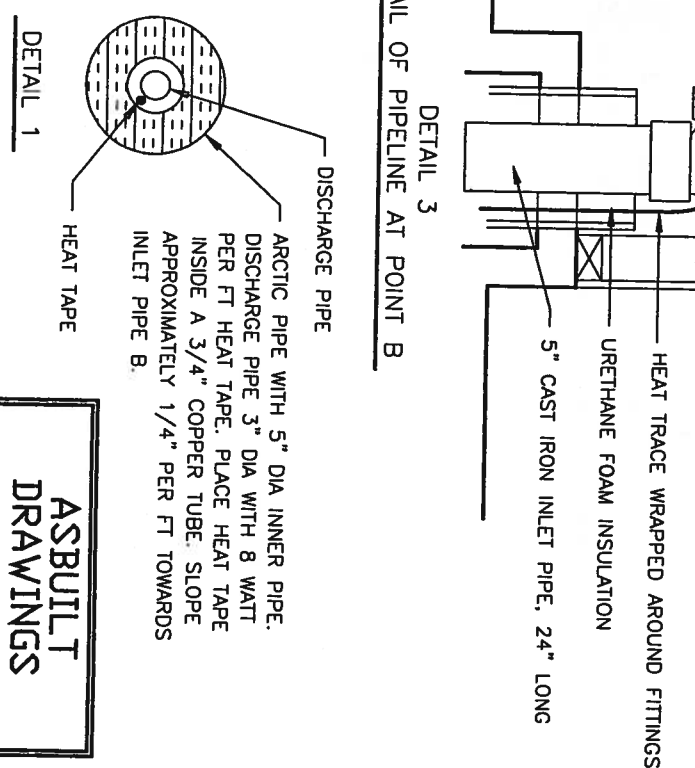
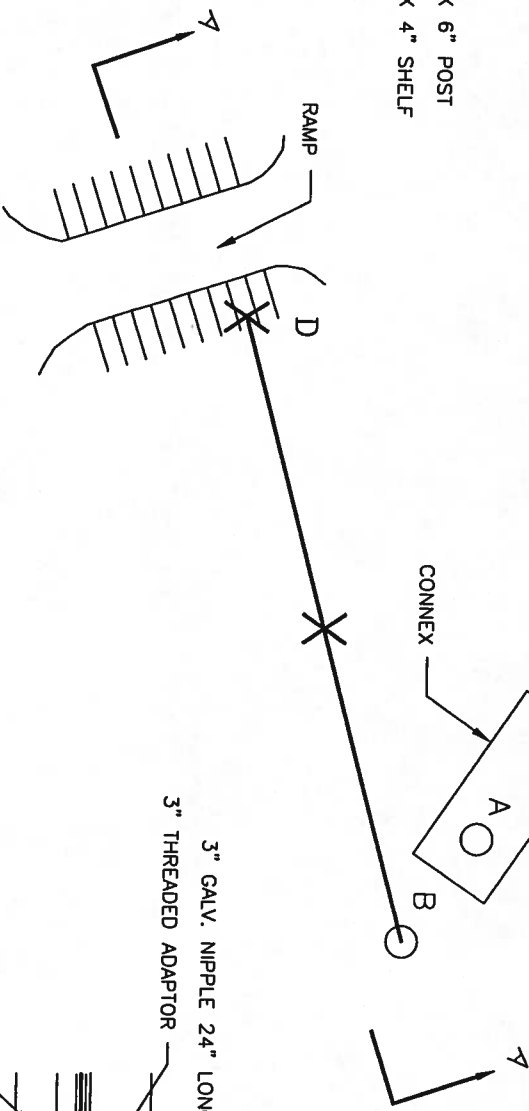
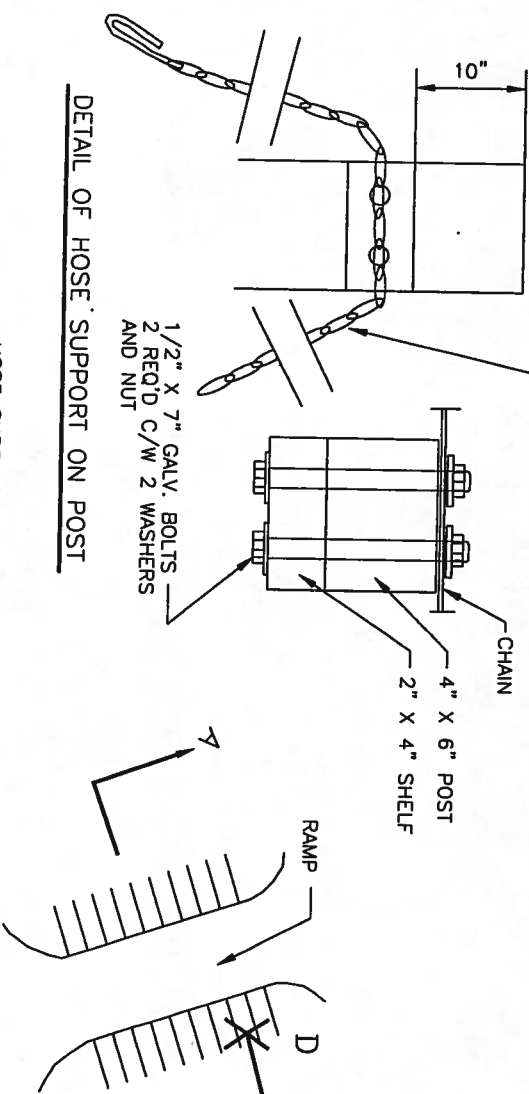
ASBUILT  
DRAWINGS  
MAY 8, 2000

Project No. 99.536	Revision	By	Date	TUNUNAK TRADITIONAL COUNCIL	COWATER INTERNATIONAL, INC.	VILLAGE SAFE WATER	SCALE REFERENCE 1 INCH	RECORD DRAWING CERTIFICATE
Date 08/08/99	ISSUED AS ASBUILT DWG	M.J.L.	8/5/00					
Scale: 1/4"=1'-0"				STACEY ASIKAICK FLOOR PLAN			BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALE ACCORDINGLY.	THESE DRAWINGS REFLECT RECORDED INFORMATION OBTAINED DURING CONSTRUCTION. INFORMATION PROVIDED HEREIN IS ACCURATE TO THE BEST OF MY KNOWLEDGE.
Drawn M.J.L.								
Approved M.J.B.								

NAME: M.J.B. DATE: 8/5/00







- SEE DETAIL 3 FOR GENERAL ARRANGEMENTS. THE END OF THE ARCTIC PIPE SHALL BE SECURELY SUPPORTED AND ANCHORED TO PREVENT HORIZONTAL MOVEMENT. THIS SHALL BE ACHIEVED BY ATTACHING SUPPORTS TO THE MANHOLE STRUCTURE. THE HEAT TAPE SHALL EXTEND THE FULL LENGTH OF THE SEWAGE PIPE. AN INSULATED PLYWOOD BOX SHALL BE CONSTRUCTED OVER THE END OF THE SEWAGE PIPE AT THE MANHOLE.

RECORD DRAWING CERTIFICATE

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RECORDED INFORMATION OBTAINED  
DURING CONSTRUCTION.  
INFORMATION PROVIDED HEREIN  
IS ACCURATE TO THE BEST OF  
MY KNOWLEDGE.