St. George Long-Term Groundwater Monitoring and Free Product Removal

St. George Long-Term Groundwater Monitoring and Free Product Removal

- 47 2-inch groundwater monitoring wells installed between 2001 and 2003
- 22 wells decommissioned in September 2005
- 10 wells retained for long-term monitoring
- 15 wells retained for possible use during free-product extraction
- 6 new 4-inch extraction wells to be installed

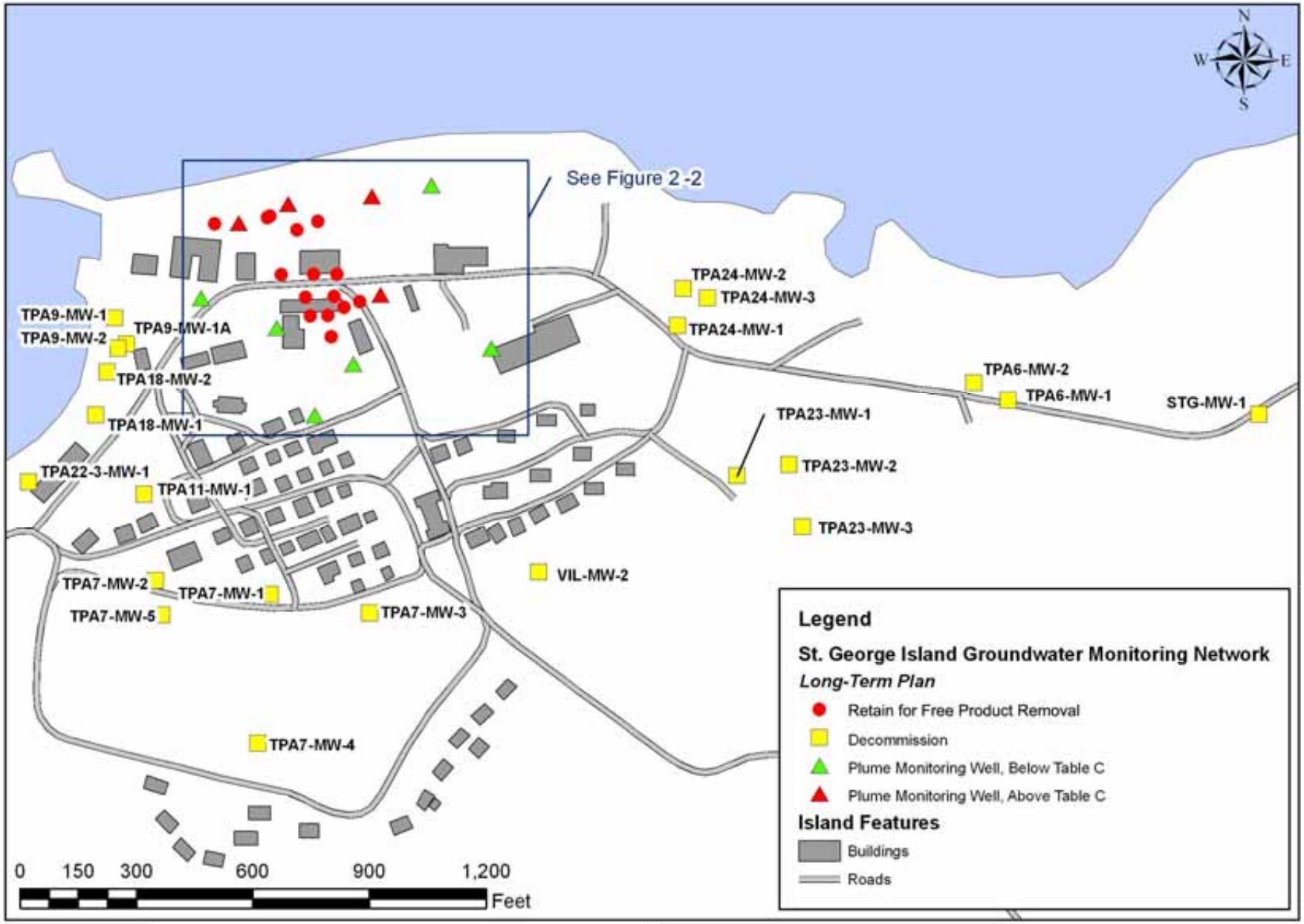


Figure 2-1

St. George Groundwater Monitoring Long-Term Plan St. George Island, Alaska

Source: Pribilof Project Database

Pribilof Islands Restoration Project

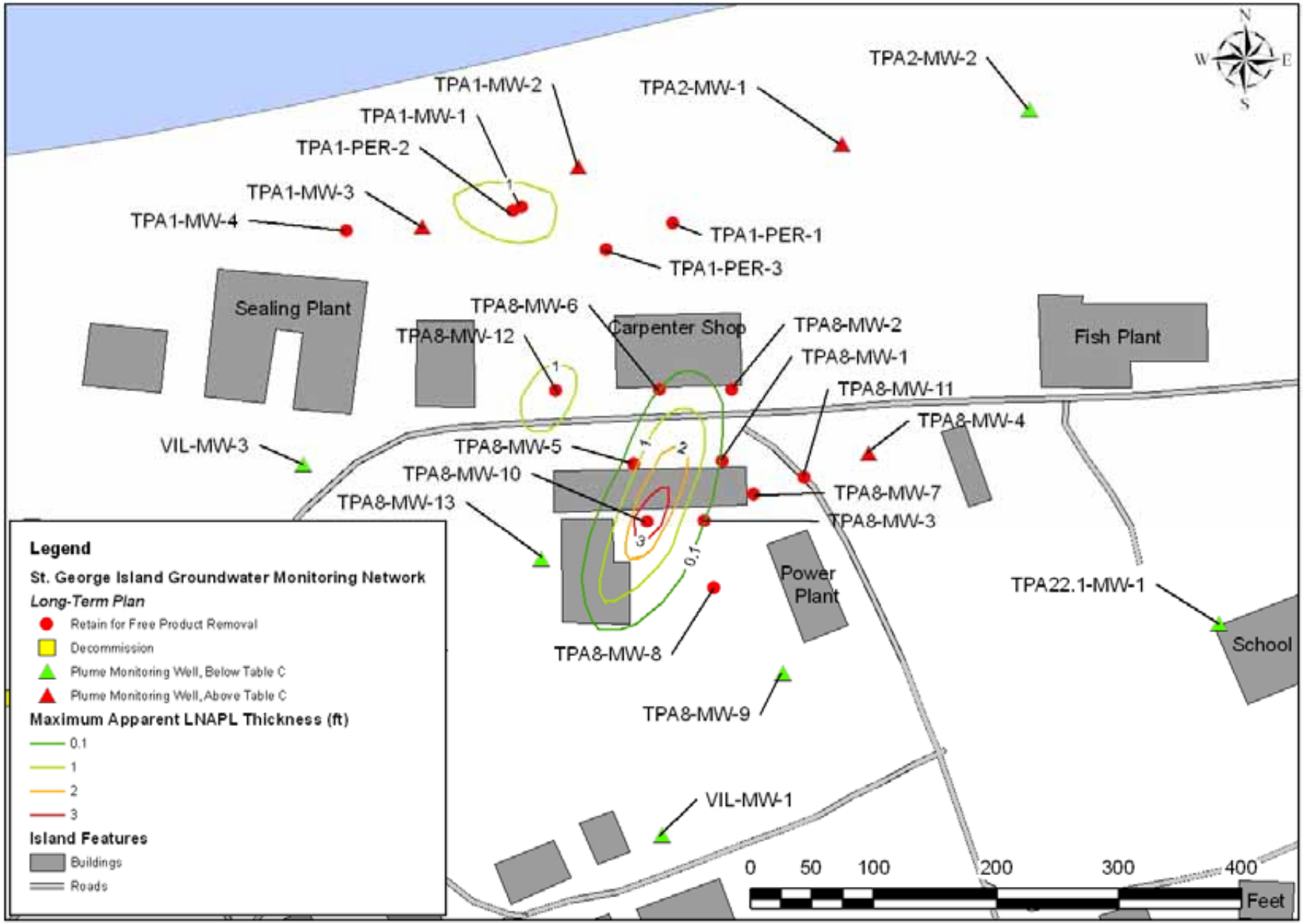
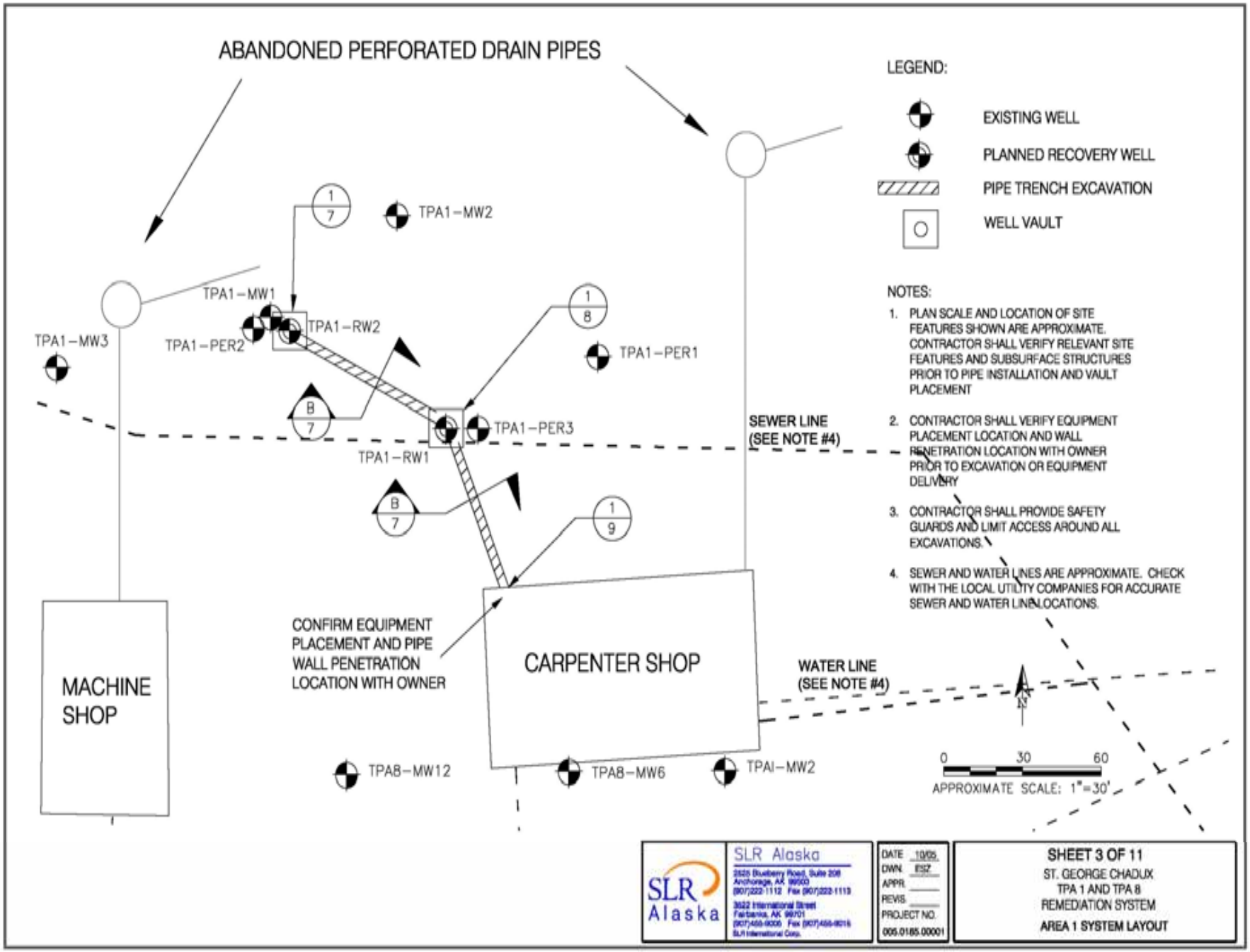


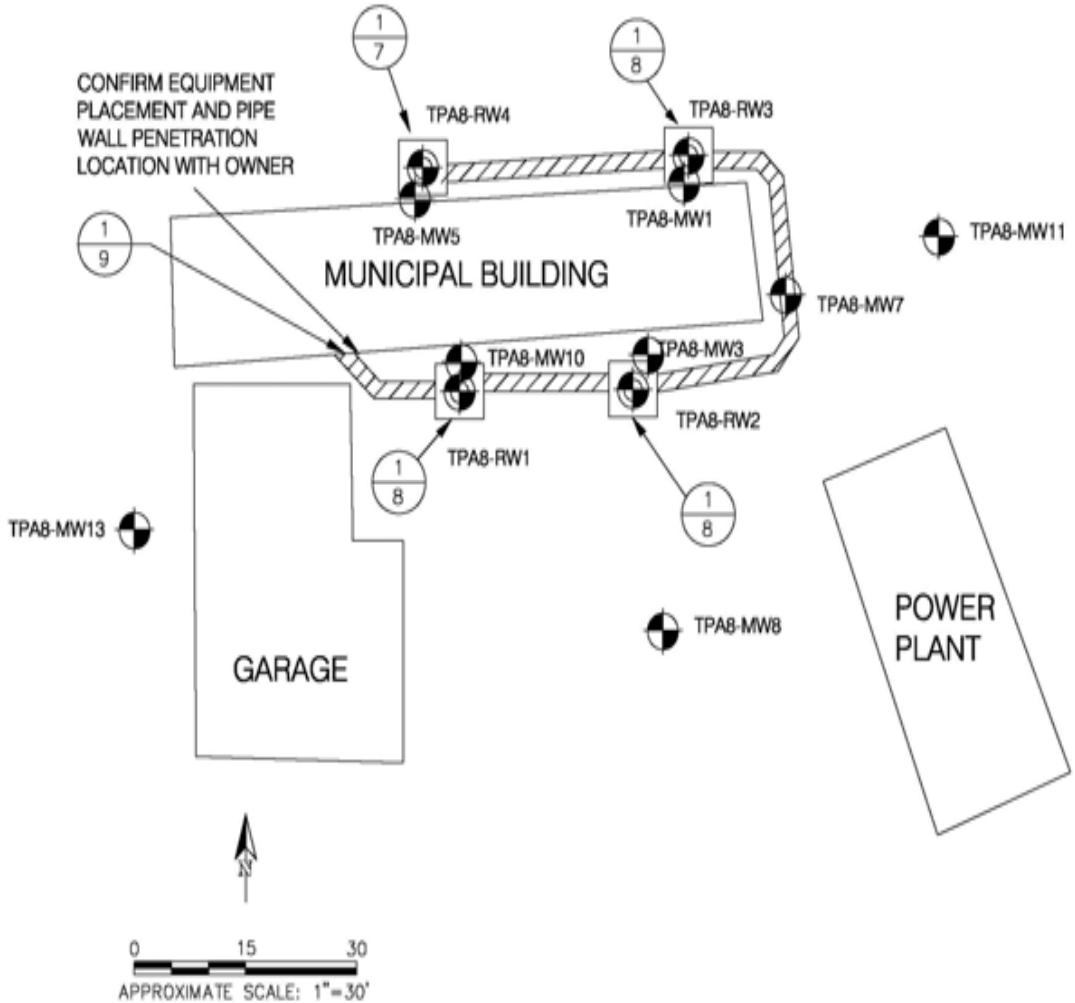
Figure 2-2

St. George Groundwater Monitoring Long-Term Plan St. George Island, Alaska

Source: Pribilof Project Database; Tetra Tech Draft LNAPL Evaluation and Remedial Approach Two-Party Agreement Sites 1 and 8 St. George Island, Alaska. February 17, 2004

Pribilof Islands Restoration Project


ABANDONED PERFORATED DRAIN PIPES
LEGEND:
EXISTING WELL
PLANNED RECOVERY WELL
PIPE TRENCH EXCAVATION
WELL VAULT
NOTES:
1. PLAN SCALE AND LOCATION OF SITE FEATURES SHOWN ARE APPROXIMATE. CONTRACTOR SHALL VERIFY RELEVANT SITE FEATURES AND SUBSURFACE STRUCTURES PRIOR TO PIPE INSTALLATION AND VAULT PLACEMENT
2. CONTRACTOR SHALL VERIFY EQUIPMENT PLACEMENT LOCATION AND WALL PENETRATION LOCATION WITH OWNER PRIOR TO EXCAVATION OR EQUIPMENT DELIVERY
3. CONTRACTOR SHALL PROVIDE SAFETY GUARDS AND LIMIT ACCESS AROUND ALL EXCAVATIONS.
4. SEWER AND WATER LINES ARE APPROXIMATE. CHECK WITH THE LOCAL UTILITY COMPANIES FOR ACCURATE SEWER AND WATER LINE LOCATIONS.
TPA1-MW2
TPA1-MW1
TPA1-RW2
TPA1-PER2
TPA1-MW3
TPA1-PER1
TPA1-PER3
TPA1-RW1
SEWER LINE (SEE NOTE #4)
WATER LINE (SEE NOTE #4)
CONFIRM EQUIPMENT PLACEMENT AND PIPE WALL PENETRATION LOCATION WITH OWNER
CARPENTER SHOP
MACHINE SHOP
TPA8-MW12
TPA8-MW6
TPAI-MW2
0 30 60
APPROXIMATE SCALE: 1"=30'
SLR Alaska
DATE 10/05
DWN. BSZ
APPR.
REVIS.
PROJECT NO. 005.0185.00001
SHEET 3 OF 11
ST. GEORGE CHADUX
TPA 1 AND TPA 8
REMEDIATION SYSTEM
AREA 1 SYSTEM LAYOUT



LEGEND:

- EXISTING WELL
- PLANNED RECOVERY WELL
- PIPE TRENCH EXCAVATION
- WELL VAULT

NOTES:

1. PLAN SCALE AND LOCATION OF SITE FEATURES SHOWN ARE APPROXIMATE. CONTRACTOR SHALL VERIFY RELEVANT SITE FEATURES AND SUBSURFACE STRUCTURES PRIOR TO PIPE INSTALLATION AND VAULT PLACEMENT.
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3. CONTRACTOR SHALL PROVIDE SAFETY GUARDS AND LIMIT ACCESS AROUND ALL EXCAVATIONS.

SLR Alaska
2525 Blueberry Road, Suite 206
Anchorage, AK 99503
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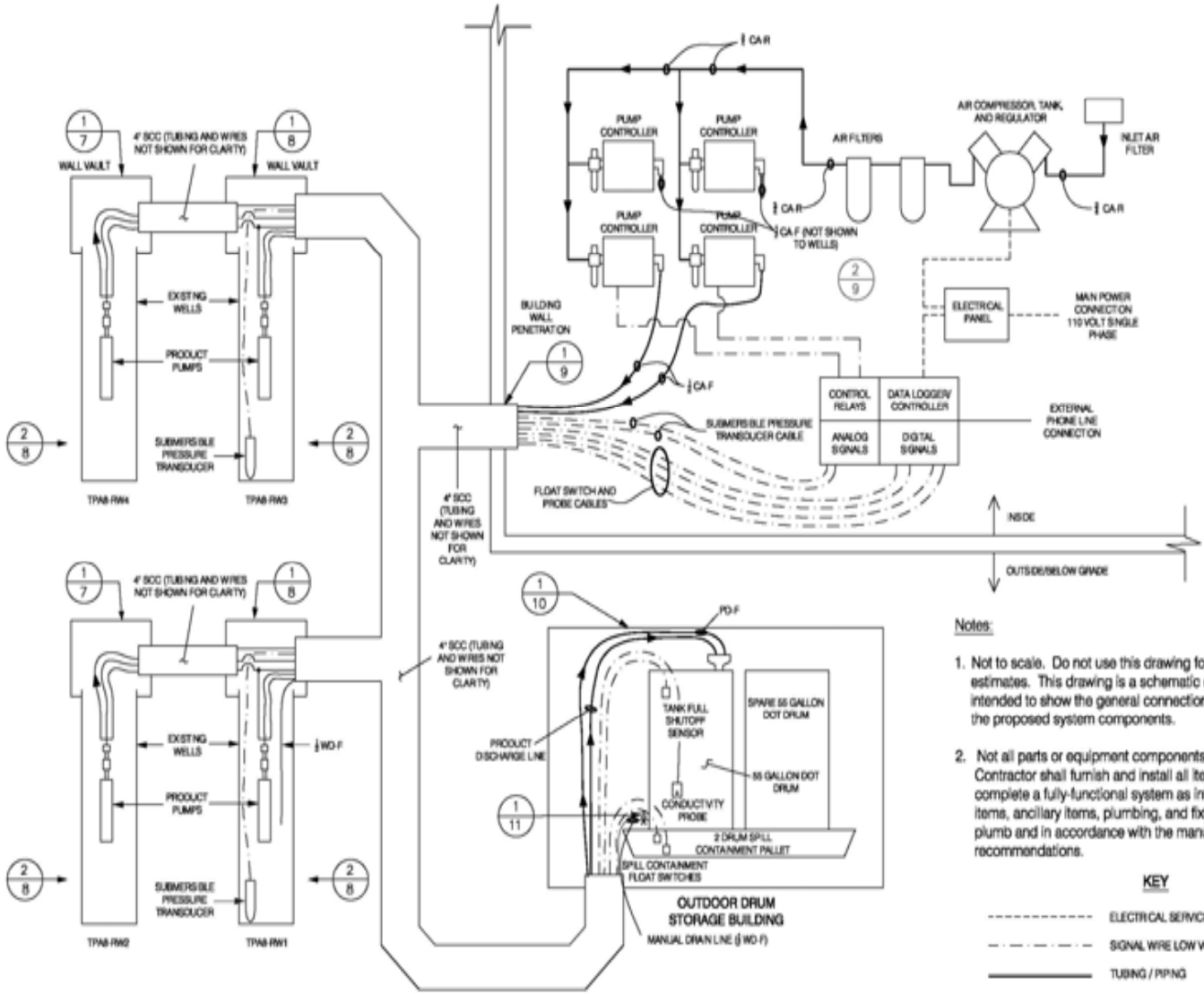
SLR International Corp.

DATE 10/05
DWN. BSZ
APPR.
REVIS.
PROJECT NO.
005.0185.00001

SHEET 4 OF 10

ST. GEORGE CHADUX
TPA 1 AND TPA 8
REMEDIATION SYSTEM

AREA 8 SYSTEM LAYOUT



Notes:

1. Not to scale. Do not use this drawing for material take-offs or estimates. This drawing is a schematic only. This drawing is intended to show the general connections and location relation of the proposed system components.

2. Not all parts or equipment components are shown. The Contractor shall furnish and install all items necessary to complete a fully-functional system as intended. All equipment items, ancillary items, plumbing, and fixtures shall be installed plumb and in accordance with the manufacture recommendations.

KEY

- ELECTRICAL SERVICE (110 VOLT)
- SIGNAL WIRE LOW VOLTAGE D.C.
- TUBING / PIPING

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SHEET 6 OF 11

ST. GEORGE CHADUX
TPA 1 AND TPA 8
REMEDIATION SYSTEM

AREA 8 PROCESS FLOW DIAGRAM