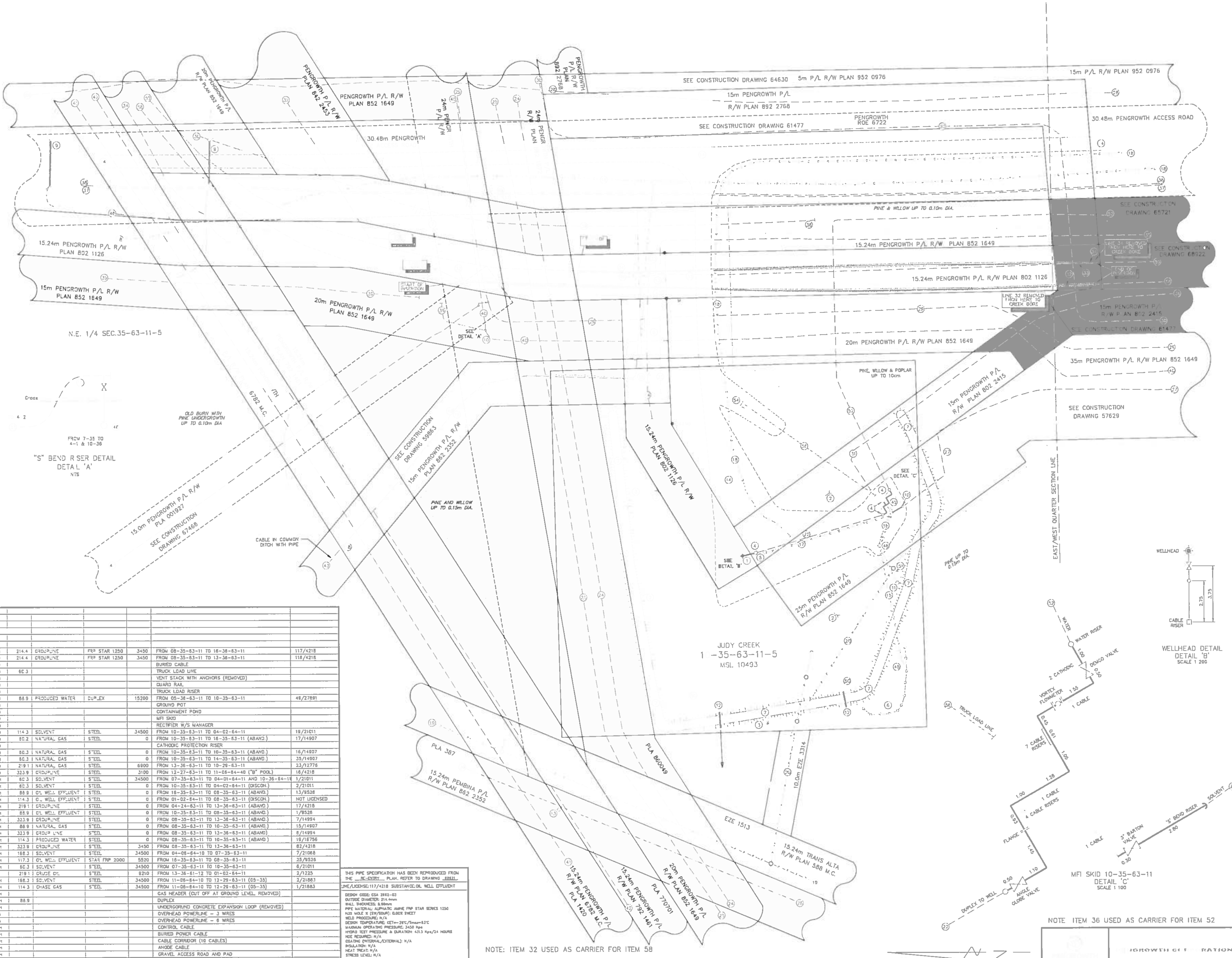


NOTE: ITEM 32 USED AS CARRIER FOR ITEM 58
ITEM 34 USED AS CARRIER FOR ITEM 59

NOTE ITEM 36 USED AS CARRIER FOR ITEM 52

## TABLE OF FACILITIES

| No | OWNER | SIZE | SUBSTANCE TYPE OF LINE | STRUCTURE MATERIAL | M.O.P. | DESCRIPTION | LINE/LICENSE |
|---|---|---|---|---|---|---|---|
| 65 | | | | | | | |
| 64 | | | | | | | |
| 63 | | | | | | | |
| 62 | | | | | | | |
| 61 | | | | | | | |
| 60 | | | | | | | |
| 59 | PENGROWTH | 214.4 | GROUPLINE | FRP STAR 1250 | 3450 | FROM 08-35-63-11 TO 16-36-63-11 | 117/4218 |
| 58 | PENGROWTH | 214.4 | GROUPLINE | FRP STAR 1250 | 3450 | FROM 08-35-63-11 TO 13-36-63-11 | 116/4218 |
| 57 | PENGROWTH | | | | | BURIED CABLE | |
| 56 | PENGROWTH | 60.3 | | | | TRUCK LOAD LINE | |
| 55 | PENGROWTH | | | | | VENT STACK WITH ANCHORS (REMOVED) | |
| 54 | PENGROWTH | | | | | GUARD RAIL | |
| 53 | PENGROWTH | | | | | TRUCK LOAD RISER | |
| 52 | PENGROWTH | 88.9 | PRODUCED WATER | DUPLEX | 15200 | FROM 05-36-63-11 TO 10-35-63-11 | 49/27691 |
| 51 | PENGROWTH | | | | | GROUND POT | |
| 50 | PENGROWTH | | | | | CONTAINMENT POND | |
| 49 | PENGROWTH | | | | | MFI SKID | |
| 48 | PENGROWTH | | | | | RECTIFIER W/S MANAGER | |
| 47 | PENGROWTH | 114.3 | SOLVENT | STEEL | 34500 | FROM 10-35-63-11 TO 04-02-64-11 | 18/21011 |
| 46 | PENGROWTH | 60.2 | NATURAL GAS | STEEL | 0 | FROM 10-35-63-11 TO 16-35-63-11 (ABAND.) | 17/14907 |
| 45 | PENGROWTH | | | | | CATHODIC PROTECTION RISER | |
| 44 | PENGROWTH | 60.3 | NATURAL GAS | STEEL | 0 | FROM 10-35-63-11 TO 10-35-63-11 (ABAND.) | 16/14907 |
| 43 | PENGROWTH | 60.3 | NATURAL GAS | STEEL | 0 | FROM 10-35-63-11 TO 14-35-63-11 (ABAND.) | 35/14907 |
| 42 | PENGROWTH | 219.1 | NATURAL GAS | STEEL | 6900 | FROM 13-36-63-11 TO 10-29-63-11 | 23/12776 |
| 41 | PENGROWTH | 323.9 | GROUPLINE | STEEL | 3100 | FROM 12-27-63-11 TO 11-06-64-40 ("B" POOL) | 16/4218 |
| 40 | PENGROWTH | 60.3 | SOLVENT | STEEL | 34500 | FROM 07-35-63-11 TO 04-01-64-11 AND 10-36-64-11 | 1/21011 |
| 39 | PENGROWTH | 60.3 | SOLVENT | STEEL | 0 | FROM 10-35-63-11 TO 04-02-64-11 (DISCON.) | 2/21011 |
| 38 | PENGROWTH | 88.9 | OIL WELL EFFLUENT | STEEL | 0 | FROM 16-35-63-11 TO 08-35-63-11 (ABAND.) | 13/9526 |
| 37 | PENGROWTH | 114.3 | OIL WELL EFFLUENT | STEEL | 0 | FROM 01-02-64-11 TO 08-35-63-11 (DISCON.) | NOT LICENSED |
| 36 | PENGROWTH | 219.1 | GROUPLINE | STEEL | 0 | FROM 04-24-63-11 TO 13-36-63-11 (ABAND.) | 17/4218 |
| 35 | PENGROWTH | 88.9 | OIL WELL EFFLUENT | STEEL | 0 | FROM 10-35-63-11 TO 08-35-63-11 (ABAND.) | 1/9526 |
| 34 | PENGROWTH | 323.9 | GROUPLINE | STEEL | 0 | FROM 08-35-63-11 TO 13-36-63-11 (ABAND.) | 7/14994 |
| 33 | PENGROWTH | 88.9 | NATURAL GAS | STEEL | 0 | FROM 08-35-63-11 TO 10-35-63-11 (ABAND.) | 15/14907 |
| 32 | PENGROWTH | 323.9 | GROUP LINE | STEEL | 0 | FROM 08-35-63-11 TO 13-36-63-11 (ABAND) | 8/14994 |
| 31 | PENGROWTH | 114.3 | PRODUCED WATER | STEEL | 0 | FROM 08-35-63-11 TO 10-35-63-11 (ABAND.) | 19/16756 |
| 30 | PENGROWTH | 323.9 | GROUPLINE | STEEL | 3450 | FROM 08-35-63-11 TO 13-36-63-11 | 82/4218 |
| 29 | PENGROWTH | 168.3 | SOLVENT | STEEL | 34500 | FROM 04-06-64-10 TO 07-35-63-11 | 7/21068 |
| 28 | PENGROWTH | 117.3 | OIL WELL EFFLUENT | STAR FRP 2000 | 5520 | FROM 16-35-63-11 TO 08-35-63-11 | 25/9526 |
| 27 | PENGROWTH | 60.3 | SOLVENT | STEEL | 34500 | FROM 07-35-63-11 TO 10-35-63-11 | 6/21011 |
| 26 | PEMBINA | 219.1 | CRUDE OIL | STEEL | 9210 | FROM 13-36-61-12 TO 01-02-64-11 | 2/1225 |
| 25 | PENGROWTH | 168.3 | SOLVENT | STEEL | 34500 | FROM 11-06-64-10 TO 12-29-63-11 (05-35) | 2/21883 |
| 24 | PENGROWTH | 114.3 | CHASE GAS | STEEL | 34500 | FROM 11-06-64-10 TO 12-29-63-11 (05-35) | 1/21883 |
| 23 | PENGROWTH | | | | | GAS HEADER (CUT OFF AT GROUND LEVEL, REMOVED) | |
| 22 | PENGROWTH | 88.9 | | | | DUPLEX | |
| 2 | PENGROWTH | | | | | UNDERGORUND CONCRETE EXPANSION LOOP (REMOVED) | |
| 20 | TRANSALTA | | | | | OVERHEAD POWERLINE – 3 WIRES | |
| 19 | TRANSALTA | | | | | OVERHEAD POWERLINE – 6 WIRES | |
| 18 | PENGROWTH | | | | | CONTROL CABLE | |
| 17 | PENGROWTH | | | | | BURIED POWER CABLE | |
| 16 | PENGROWTH | | | | | CABLE CORRIDOR (10 CABLES) | |
| 15 | PENGROWTH | | | | | ANODE CABLE | |
| 14 | PENGROWTH | | | | | GRAVEL ACCESS ROAD AND PAD | |
| 13 | PENGROWTH | | | | | TEST STATION POSTS 4x4 | |
| 12 | PENGROWTH | 114.3 | | PVC | | DRAIN PIPE AND VALVE | |
| 11 | PENGROWTH | | | | | DRAIN PIPE AND VALVE | |
| 10 | PENGROWTH | | | | | 'S' BEND RISERS | |
| 9 | PENGROWTH | | | | | CULVERTS | |
| 8 | PENGROWTH | | | | | EXPANSION LOOP UNDERGROUND (CRIBBED) | |
| 7 | PENGROWTH | | | | | BERM | |
| 6 | PENGROWTH | | | | | ANODE BED | |
| 5 | PENGROWTH | | | | | CABLE PEDESTAL (REMOVED) | |
| 4 | PENGROWTH | | | | | RISER | |
| 3 | PENGROWTH | | | | | GROUND ROD | |
| 2 | PENGROWTH | | | | | RIG ANCHORS | |
| 1 | PENGROWTH | | | | | WELLHEAD @ 10-35-63-11 | |

THIS PIPE SPECIFICATION HAS BEEN REPRODUCED FROM THE RE-ENTRY PLAN. REFER TO DRAWING 68921.

LINE/LICENSE: 117/4218 SUBSTANCE: OIL WELL EFFLUENT

DESIGN CODE: CSA Z662-03
OUTSIDE DIAMETER: 214.4mm
WALL THICKNESS: 8.00mm
PIPE MATERIAL: ALIPHATIC AMINE FRP STAR SERIES 1250
H2S MOLE % (SW/SOUR): 0.00% SWEET
WELD PROCEDURE: N/A
DESIGN TEMPERATURE: CET=-29°C/Tmax=83°C
MAXIMUM OPERATING PRESSURE: 3450 Kpa
HYDRO TEST PRESSURE & DURATION: 4313 Kpa/24 HOURS
NCE REQUIRED: N/A
COATING (INTERNAL/EXTERNAL): N/A
INSULATION: N/A
HEAT TREAT: N/A
STRESS LEVEL: N/A
CATHODIC PROTECTION: N/A
TRACER WIRE: YES 10 GUAGE

THIS PIPE SPECIFICATION HAS BEEN REPRODUCED FROM THE RE-ENTRY PLAN. REFER TO DRAWING 68921.

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COATING (INTERNAL/EXTERNAL): N/A
INSULATION: N/A
HEAT TREAT: N/A
STRESS LEVEL: N/A
CATHODIC PROTECTION: N/A
TRACER WIRE: YES – 10 GUAGE

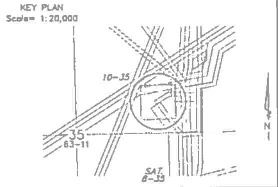
NOTES:

All underground facilites shown were located with electronic locators and may be subject to error. Actual locations should be verified independently by the field prior to any crossings.

Proposed pipe
Buried pipe
Buried cable
Overhead powerline
Power Pole
Rig Anchor
Wellhead
Guy Wire
Crossings

| No. | REVISIONS | BY | Y M D | CKD. | COMPANY | FILE NO. |
|---|---|---|---|---|---|---|
| 11 | AS BUILT 116 & 117/4218 | RD | 08 10 10 | TY | INFRATECH | 64829 |
| 10 | ADDED LINES 116 & 117/4218 | ES | 08 10 03 | TY | PALS SURVEYS | 20600133 |
| 9 | ADDED AS-BUILT INFO. | LAC | 02 02 22 | TY | PALS SURVEYS | U815 |
| 8 | REVISED DETAILS | MLB | 00 07 13 | TY | INFRATECH | 64829 |
| 7 | RECONSTRUCTED CAD FILE | MLB | 00 06 30 | TY | INFRATECH | 64829 |
| 6 | MFI SKID UPDATE | SEC | 97 11 26 | TY,DC | USHER | 64829 |
| 5 | ADDED CONSTRUCTION NOTES | SEC | 96 09 16 | TY,DC | USHER | 64829 |
| 4 | ADDED AS-BUILT INFO. | SEC | 95 08 15 | TY,DC | USHER | 64829 |
| 3 | REVISED FACILITIES, ADDED DITCHLINE | DC | 95 01 21 | TY | USHER | 64829 |
| 2 | ADDED AS-BUILT | TKN | 94 11 28 | TY,DC | USHER | 64829 |

KEY PLAN
Scale= 1:20,000




DRAWING REVIEW

SURVEY COORDINATOR

PROJECT ENGINEER

DATED:

OPERATING AREA: JUDY CREEK
PLAN TYPE: SITE PLAN
FACILITY TYPE: WELLSITE
IN: 10-35-63-11-5
PLAN: 1 OF 1

SCALE 1:500

PALS SURVEYS AND ASSOCIATES LTD.
PH. 780-778-5559 FAX. 780-778-4326

DATE OCT. 14, 1993

LAND REF: MSL 10493

REVISION NO. 11

DRAWING NO.: 64829