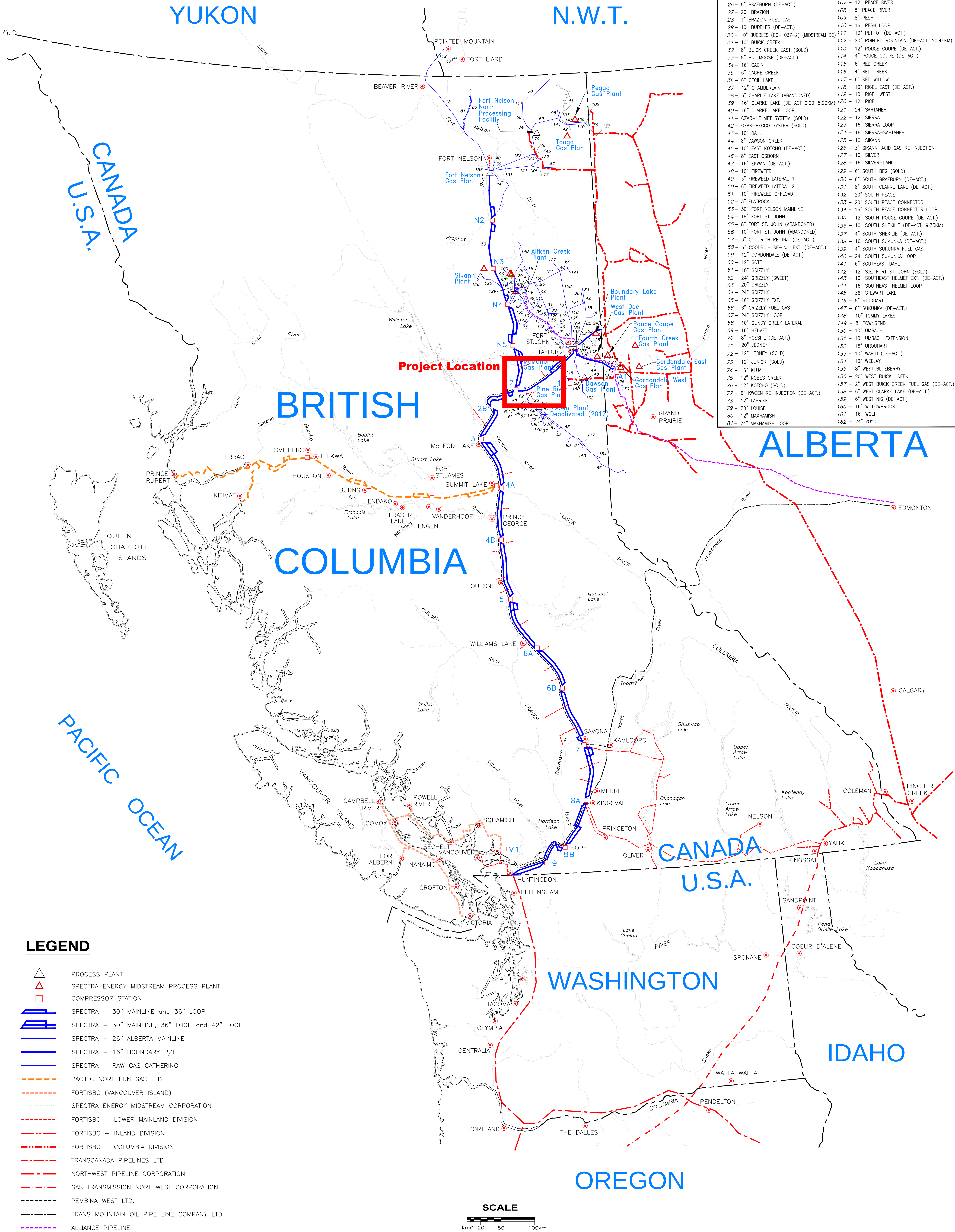

SECTION 1
MAPS AND DRAWINGS



- BC PIPELINE AND FIELD SERVICES DIVISION -

SYSTEM MAP



LEGEND

GAS GATHERING LINES

- | | |
|--|--|
| 1 - 8" ADSETT | 82 - 12" MILLIGAN PEEJAY |
| 2 - 12" AITKEN CREEK | 83 - 6" MILLIGAN PEEJAY EXT. |
| 3 - 12" AITKEN CREEK CONNECTOR | 84 - 8" MILLIGAN PEEJAY EXT. (DE-ACT.PART) |
| 4 - 12" AITKEN CREEK CROSSOVER | 85 - 10" MILLIGAN PEEJAY EXT. |
| 5 - 12" AITKEN CREEK EXTENSION | 86 - 10" MILLIGAN PEEJAY LOOP |
| 6 - 8" AITKEN CREEK FLOWSPITTER | 87 - 8" MONAS |
| 7 - 3" AITKEN CREEK LIQUIDS | 88 - 2" MONKMAN - BRAZON FUEL GAS # 1 |
| 8 - 16" AITKEN CREEK LOOP | 89 - 8" MONKMAN # 2 (DE-ACT.) |
| 9 - 12" AITKEN CREEK RESIDUE | 90 - 2" MONKMAN - GOODRICH FUEL GAS # 3 |
| 10 - 18" ALASKA HIGHWAY | 91 - 8" MONKMAN # 4 (DE-ACT.) |
| 11 - 20" ALASKA HIGHWAY | 92 - 4" MONTNEY EXT. (DE-ACT) |
| 12 - 12" ALASKA HIGHWAY | 93 - 12" MURRAY RIVER (DE-ACT. 0-11.2km) |
| 13 - 26" ALBERTA MAINLINE (ALTA.) | 94 - 16" NIG CREEK |
| 14 - 26" ALBERTA MAINLINE (B.C.) | 95 - 6" NIG CREEK LATERAL (SOLD) |
| 15 - 6" ALCES (DE-ACT.) | 96 - 6" NORTH BEG (SOLD) |
| 16 - 6" AMERADA LARRISE (DE-ACT.) | 97 - 8" NORTH DAHL |
| 17 - 26" B.C. TRUNK | 98 - 16" NORTH HELMET LOOP |
| 18 - 24" BEAVER RIVER | 99 - 12" NORTH JEDNEY (SOLD) |
| 19 - 16" BEG | 100 - 6" NORTH JEDNEY EXTENSION |
| 20 - 16" BESSBOROUGH | 101 - 6" NORTH RIGEL (SOLD 5.5 MILES) |
| 21 - 8" BONANZA (DE-ACT.) | 102 - 10" NORTH SHEKILIE (DE-ACTIVATED) |
| 22 - 16" BOUNDARY LAKE (ALTA.) (SOLD) | 103 - 8" NORTHWEST HELMET EXT. |
| 23 - 16" BOUNDARY LAKE (B.C.) | 104 - 16" OAK |
| 24 - 6" BOUNDARY LAKE (SOLD) | 105 - 16" OAK-RIGEL |
| 25 - 6" BOUNDARY LAKE SOLUTION (DE-ACT.) | 106 - 8" PARKLAND |
| 26 - 8" BRAEBURN (DE-ACT.) | 107 - 12" PEACE RIVER |
| 27 - 20" BRAZON | 108 - 8" PEACE RIVER |
| 28 - 3" BRAZON FUEL GAS | 109 - 8" PESH |
| 29 - 10" BUBBLES (DE-ACT.) | 110 - 16" PESH LOOP |
| 30 - 10" BUBBLES (BC-1037-2) (MIDSTREAM BO | 111 - 10" PETITOT (DE-ACT.) |
| 31 - 10" BUICK CREEK | 112 - 20" POINTED MOUNTAIN (DE-ACT. 20.44KM) |
| 32 - 8" BUICK CREEK EAST (SOLD) | 113 - 12" POUCE COUPE (DE-ACT.) |
| 33 - 8" BULLMOOSE (DE-ACT.) | 114 - 4" POUCE COUPE (DE-ACT.) |
| 34 - 16" CABIN | 115 - 6" RED CREEK |
| 35 - 6" CACHE CREEK | 116 - 4" RED CREEK |
| 36 - 6" CEDIL LAKE | 117 - 6" RED WILLOW |
| 37 - 12" CHAMBERLAIN | 118 - 10" RIGEL EAST (DE-ACT.) |
| 38 - 6" CHARLIE LAKE (ABANDONED) | 119 - 10" RIGEL WEST |
| 39 - 16" CLARKE LAKE (DE-ACT. 0.00-8.20KM) | 120 - 12" RIGEL |
| 40 - 16" CLARKE LAKE LOOP | 121 - 24" SAHTANEH |
| 41 - CZAR-HELMET SYSTEM (SOLD) | 122 - 12" SIERRA |
| 42 - CZAR-PEGGO SYSTEM (SOLD) | 123 - 16" SIERRA LOOP |
| 43 - 10" DAHL | 124 - 16" SIERRA-SAHTANEH |
| 44 - 8" DAWSON CREEK | 125 - 10" SIKANNI |
| 45 - 10" EAST KOTCHO (DE-ACT.) | 126 - 3" SIKANNI ACID GAS RE-INJECTION |
| 46 - 8" EAST OSBORN | 127 - 10" SILVER |
| 47 - 16" EKMAN (DE-ACT.) | 128 - 16" SILVER-DAHL |
| 48 - 10" FIREWEED | 129 - 6" SOUTH BEG (SOLD) |
| 49 - 3" FIREWEED LATERAL 1 | 130 - 6" SOUTH BRAEBURN (DE-ACT.) |
| 50 - 6" FIREWEED LATERAL 2 | 131 - 8" SOUTH CLARKE LAKE (DE-ACT.) |
| 51 - 10" FIREWEED OFFLOAD | 132 - 20" SOUTH PEACE |
| 52 - 3" FLATROCK | 133 - 20" SOUTH PEACE CONNECTOR |
| 53 - 30" FORT NELSON MAINLINE | 134 - 16" SOUTH PEACE CONNECTOR LOOP |
| 54 - 18" FORT ST. JOHN | 135 - 12" SOUTH POUCE COUPE (DE-ACT.) |
| 55 - 8" FORT ST. JOHN (ABANDONED) | 136 - 10" SOUTH SHEKILIE (DE-ACT. 9.33KM) |
| 56 - 10" FORT ST. JOHN (ABANDONED) | 137 - 4" SOUTH SHEKILIE (DE-ACT.) |
| 57 - 6" GOODRICH RE-INJ. (DE-ACT.) | 138 - 16" SOUTH SUKUNKA (DE-ACT.) |
| 58 - 6" GOODRICH RE-INJ. EXT. (DE-ACT.) | 139 - 4" SOUTH SUKUNKA FUEL GAS |
| 59 - 12" GORDONDALE (DE-ACT.) | 140 - 24" SOUTH SUKUNKA LOOP |
| 60 - 12" GOTE | 141 - 6" SOUTHEAST DAHL |
| 61 - 10" GRIZZLY | 142 - 12" S.E. FORT ST. JOHN (SOLD) |
| 62 - 24" GRIZZLY (SWEET) | 143 - 10" SOUTHEAST HELMET EXT. (DE-ACT.) |
| 63 - 20" GRIZZLY | 144 - 16" SOUTHEAST HELMET LOOP |
| 64 - 24" GRIZZLY | 145 - 36" STEWART LAKE |
| 65 - 16" GRIZZLY EXT. | 146 - 8" STODDART |
| 66 - 6" GRIZZLY FUEL GAS | 147 - 8" SUKUNKA (DE-ACT.) |
| 67 - 24" GRIZZLY LOOP | 148 - 10" TOMMY LAKES |
| 68 - 10" GUNDY CREEK LATERAL | 149 - 8" TOWNSEND |
| 69 - 16" HELMET | 150 - 10" UMBACH |
| 70 - 8" HOSSITIL (DE-ACT.) | 151 - 10" UMBACH EXTENSION |
| 71 - 20" JEDNEY | 152 - 16" URQUHART |
| 72 - 12" JEDNEY (SOLD) | 153 - 10" WAPITI (DE-ACT.) |
| 73 - 12" JUNIOR (SOLD) | 154 - 10" WEEJAY |
| 74 - 16" KLUA | 155 - 8" WEST BLUEBERRY |
| 75 - 12" KOBES CREEK | 156 - 20" WEST BUICK CREEK |
| 76 - 12" KOTCHO (SOLD) | 157 - 2" WEST BUICK CREEK FUEL GAS (DE-ACT.) |
| 77 - 6" KNOWN RE-INJECTION (DE-ACT.) | 158 - 6" WEST CLARKE LAKE (DE-ACT.) |
| 78 - 12" LAPRISE | 159 - 6" WEST NIG (DE-ACT.) |
| 79 - 20" LOUISE | 160 - 16" WILLOWBROOK |
| 80 - 12" MAXHAMISH | 161 - 16" WOLF |
| 81 - 24" MAXHAMISH LOOP | 162 - 24" YOYO |

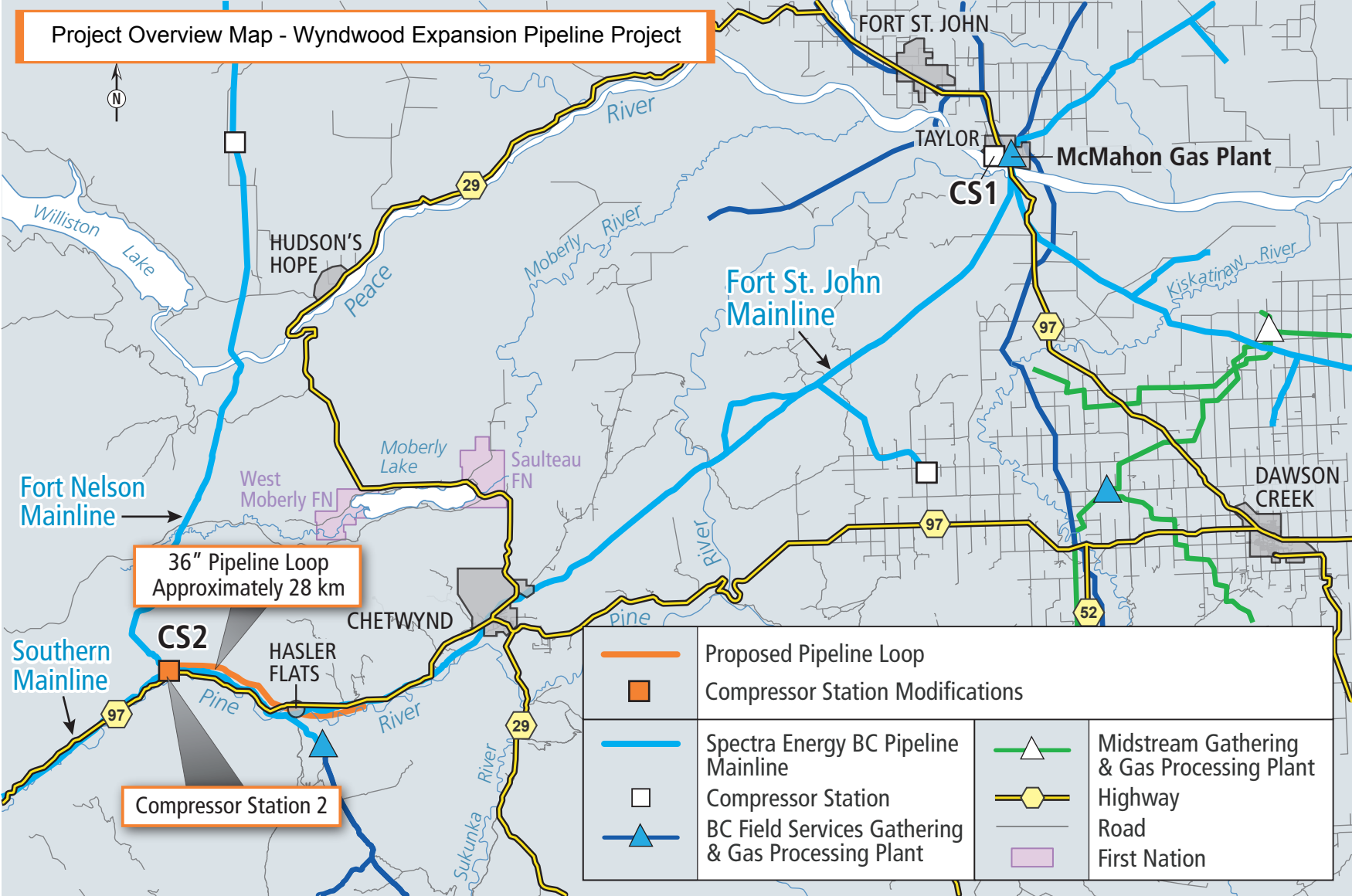
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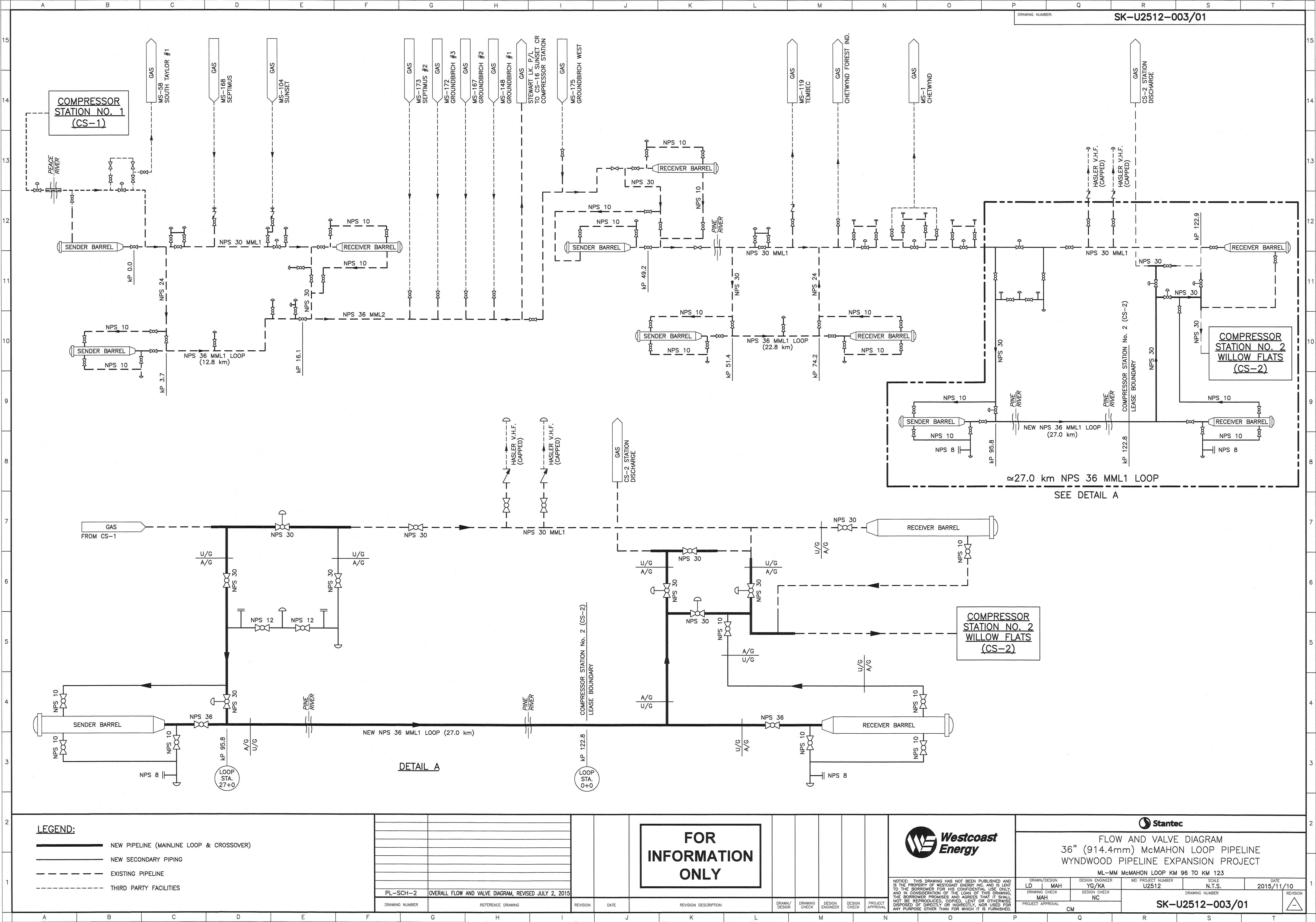
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|--|---|
| | PROCESS PLANT |
| | SPECTRA ENERGY MIDSTREAM PROCESS PLANT |
| | COMPRESSOR STATION |
| | SPECTRA - 30" MAINLINE and 36" LOOP |
| | SPECTRA - 30" MAINLINE, 36" LOOP and 42" LOOP |
| | SPECTRA - 26" ALBERTA MAINLINE |
| | SPECTRA - 16" BOUNDARY P/L |
| | SPECTRA - RAW GAS GATHERING |
| | PACIFIC NORTHERN GAS LTD. |
| | FORTISBC (VANCOUVER ISLAND) |
| | SPECTRA ENERGY MIDSTREAM CORPORATION |
| | FORTISBC - LOWER MAINLAND DIVISION |
| | FORTISBC - INLAND DIVISION |
| | FORTISBC - COLUMBIA DIVISION |
| | TRANSCANADA PIPELINES LTD. |
| | NORTHWEST PIPELINE CORPORATION |
| | GAS TRANSMISSION NORTHWEST CORPORATION |
| | PEMBINA WEST LTD. |
| | TRANS MOUNTAIN OIL PIPE LINE COMPANY LTD. |
| | ALLIANCE PIPELINE |

SCALE

km 0 20 50 100km

Project Overview Map - Wyndwood Expansion Pipeline Project





DRAWING NUMBER: SK-U2512-003/01

COMPRESSOR
STATION NO. 1
(CS-1)

COMPRESSOR
STATION NO. 2
WILLOW FLATS
(CS-2)

COMPRESSOR
STATION NO. 2
WILLOW FLATS
(CS-2)

- LEGEND:**
- NEW PIPELINE (MAINLINE LOOP & CROSSOVER)
 - NEW SECONDARY PIPING
 - EXISTING PIPELINE
 - THIRD PARTY FACILITIES

FOR
INFORMATION
ONLY



FLOW AND VALVE DIAGRAM
36" (914.4mm) McMAHON LOOP PIPELINE
WYNDWOOD PIPELINE EXPANSION PROJECT

ML-MM McMAHON LOOP KM 96 TO KM 123

DRAWN/DESIGN LD MAH DESIGN ENGINEER YG/KA WEI PROJECT NUMBER U2512 SCALE N.T.S. DATE 2015/11/10

DRAWING CHECK MAH DESIGN CHECK NC PROJECT APPROVAL CM

SK-U2512-003/01

REVISION

△

DRAWING NUMBER	REFERENCE DRAWING	REVISION	DATE	REVISION DESCRIPTION	DRAWN/DESIGN	DRAWING CHECK	DESIGN ENGINEER	DESIGN CHECK	PROJECT APPROVAL
PL-SCH-2	OVERALL FLOW AND VALVE DIAGRAM, REVISED JULY 2, 2015								