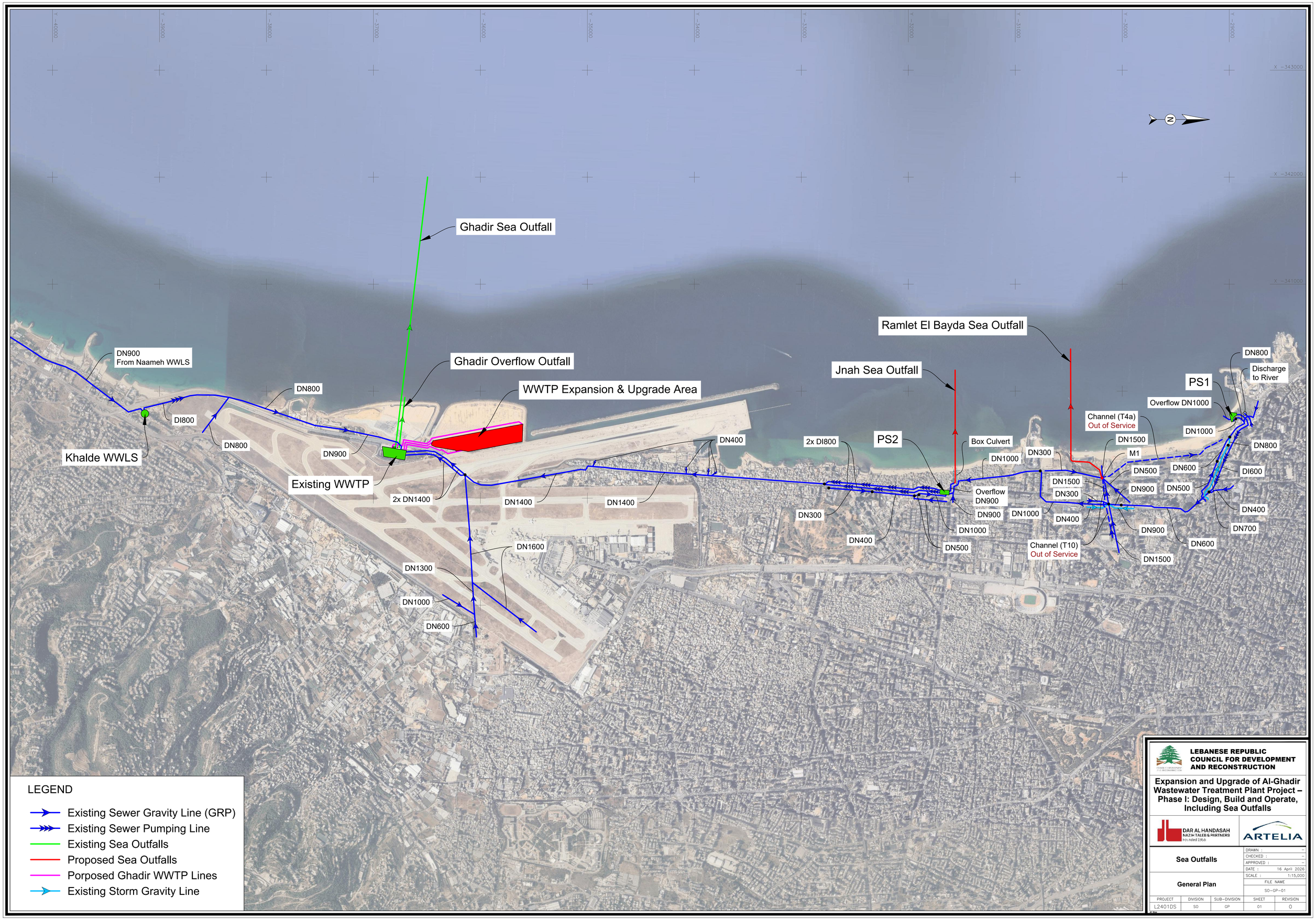

Ghadir Sea Outfall
Ramlet El Bayda Sea Outfall
Jnah Sea Outfall
DN900
From Naameh WWLS
DN800
DI800
DN800
Khalde WWLS
DN900
Ghadir Overflow Outfall
WWTP Expansion & Upgrade Area
Existing WWTP
2x DN1400
DN1400
DN1400
DN400
DN1600
DN1300
DN1000
DN600
2x DI800
PS2
Box Culvert
DN1000
DN300
Overflow
DN900
DN900
DN1000
DN300
DN400
DN1000
DN500
DN1500
DN300
DN1000
DN400
Channel (T10)
Out of Service
DN1500
DN900
DN600
DN700
DN400
DI600
DN500
DN900
DN600
DN800
M1
DN500
DN1500
Channel (T4a)
Out of Service
DN1000
DN800
Discharge
to River
PS1
Overflow DN1000
N
X =343000
X =342000
X =341000
LEGEND
Existing Sewer Gravity Line (GRP)
Existing Sewer Pumping Line
Existing Sea Outfalls
Proposed Sea Outfalls
Porposed Ghadir WWTP Lines
Existing Storm Gravity Line
LEBANESE REPUBLIC
COUNCIL FOR DEVELOPMENT
AND RECONSTRUCTION
Expansion and Upgrade of Al-Ghadir Wastewater Treatment Plant Project – Phase I: Design, Build and Operate, Including Sea Outfalls
DAR AL HANDASAH
NAZIH TALEB & PARTNERS
Est. Indeed 1956
ARTELIA
Sea Outfalls
General Plan
DRAWN : –
CHECKED : –
APPROVED : –
DATE : 16 April 2026
SCALE : 1:15,000
FILE NAME
SO-GP-01
PROJECT L2401DS
DIVISION SO
SUB-DIVISION GP
SHEET 01
REVISION 0