STATE OF LOUISIANA
PERRY P. HOGAN
REG. NO. 31042
REGISTERED
PROFESSIONAL ENGINEER
IN
PROJECT ENGINEERING
11/21/14

SHEET NUMBER E2.1

WASTEWATER LIFT STATION
TELEMETRY SYSTEM FOR
ST. JOHN THE BAPTIST PARISH, LOUISIANA
PROJECT SITE LOCATION MAP

BKI BURK-KLEINPETER, INC.
ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS
4176 CANAL STREET, NEW ORLEANS, LA 70119-5994
PHONE (504)486-5901•FAX (504)488-1714

BKI PROJECT NUMBER NO.13.060

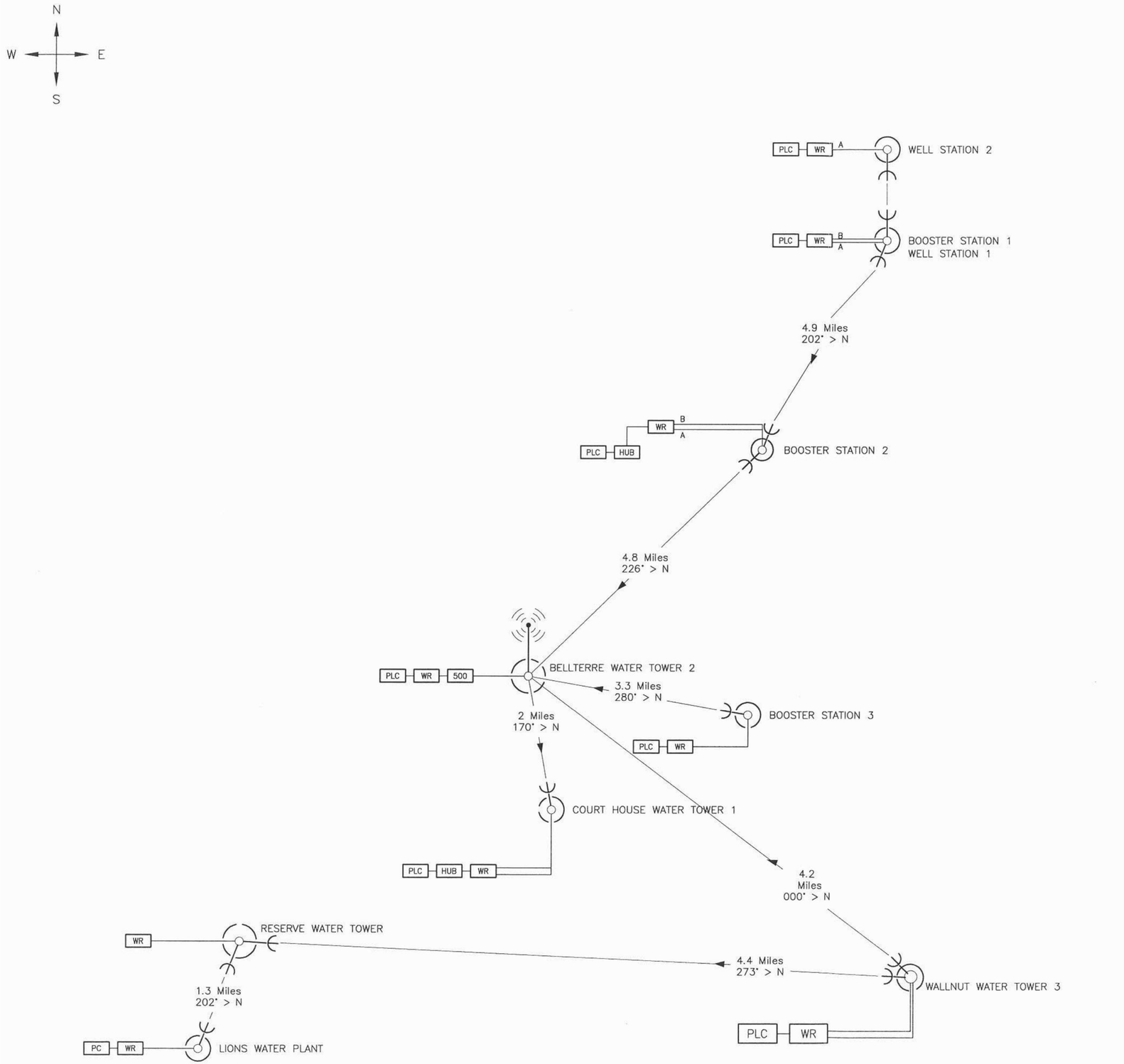
DESIGNED	B.M.
CHECKED	P.H.
DETAILED	D.R.
CHECKED	C.V.
DATE	11/2014
SHEET	OF

NO.	DATE	REVISION DESCRIPTION	BY

XREF:

DATE:

FILE NAME: NO.13.060-E2.1



NETWORK LEGEND:

BOOSTER STATION 1 NETWORK DEVICES
PLC IP ADDRESS: 192.0.0.11
PLC MAC ADDRESS: LOCATED ON UNIT
AP-10D IP ADDRESS: 192.0.0.38
THIS UNIT (WR) IS CONFIGURED TO COMMUNICATE WITH BOOSTER STATION 2 STATION ADAPTER (WR).

BOOSTER STATION 2 NETWORK DEVICES
PLC IP ADDRESS: 192.0.0.10
PLC MAC ADDRESS: LOCATED ON UNIT
SA-10D "B" IP ADDRESS: 192.0.0.39
THIS UNIT (WR) IS CONFIGURED TO COMMUNICATE WITH BOOSTER STATION 1 ACCESS POINT (WR).
SA-10D "A" IP ADDRESS: 192.0.0.34
THIS UNIT (WR) IS CONFIGURED TO COMMUNICATE WITH TOWER 2 ACCESS POINT (WR).

BOOSTER STATION 3 NETWORK DEVICES
PLC IP ADDRESS: 192.0.0.12
PLC MAC ADDRESS: LOCATED ON UNIT
SA-10D IP ADDRESS: 192.0.0.32
THIS UNIT (WR) IS CONFIGURED TO COMMUNICATE WITH TOWER 2 ACCESS POINT (WR).

COURT HOUSE TOWER 1 NETWORK DEVICES
PLC IP ADDRESS: 192.0.0.13
PLC MAC ADDRESS: LOCATED ON UNIT
WR "A" IP ADDRESS: 192.0.0.33
THIS UNIT (WR) IS CONFIGURED TO COMMUNICATE WITH TOWER 2 ACCESS POINT (WR).
WR "B" IP ADDRESS: 192.0.0.31
THIS UNIT (WR) IS CONFIGURED TO COMMUNICATE WITH RESERVE WATER TOWER (WR).

BELLETERRE TOWER 2 NETWORK DEVICES
PLC IP ADDRESS: 192.0.0.14
PLC MAC ADDRESS: LOCATED ON UNIT
AP-10D IP ADDRESS: 192.0.0.30
THIS UNIT (WR) IS CONFIGURED TO COMMUNICATE WITH BOOSTER STATIONS 2, 3, TOWER 1 AND TOWER 3 (WR)

WALLNUT TOWER 3 NETWORK DEVICES
PLC IP ADDRESS: 192.0.0.17
PLC MAC ADDRESS: LOCATED ON UNIT
AP-10D IP ADDRESS: 192.0.0.37

RESERVE TOWER NETWORK DEVICES
AP-10D IP ADDRESS: 192.0.0.36
THIS UNIT (WR) IS CONFIGURED TO COMMUNICATE WITH TOWER 1 & LIONS WATER PLANT STATION ADAPTERS (WR).

LIONS WATER PLANT NETWORK DEVICES
PC IP ADDRESS: 192.0.0.5
SA-10D IP ADDRESS: 192.0.0.37
THIS UNIT (WR) IS CONFIGURED TO COMMUNICATE WITH RESERVE WATER TOWER (WR).

NOTE: SEE PROVIDED SYSTEM MANUAL FOR NETWORK SETTINGS, CONFIGURATIONS & SECURITY.

SYMBOLOGY:

PLC –PLC PROCESSOR, I/O & 512K ETHERNET ADAPTER
COM –PLC I/O ADAPTER
WR –WIRELESS RADIO
500 –AMP–500 BI–DIRECTIONAL AMPLIFIER
250 –AMP–250 BI–DIRECTIONAL AMPLIFIER
DI –24VDC 16 PT INPUT MODULE
DO –24VDC 16 PT OUTPUT MODULE
DI/DO –24VDC 10 PT INPUT / 8 PT OUTPUT MODULE
AI –24VDC 16 CH ANALOG INPUT MODULE
AI/AO –24VDC 4 CH INPUT / 2 CH OUTPUT & 24VDC 4 PT INPUT / 2 PT OUTPUT MODULE
HUB –ETHERNET HUB
LOGO –PROGRAMABLE SMART RELAY
PC –PERSONAL COMPUTER

UNI–24 UNI DIRECTIONAL ANTENNA

OMNI–8 OMNI DIRECTIONAL ANTENNA

SYSTEM NOTES:

BOOSTER STATION ANTENNAS ARE LOCATED ON DEDICATED TOWERS.

WATER TOWER ANTENNAS ARE LOCATED ON TOWER CAT WALK RAILING.

LIONS WATER PLANT ANTENNA IS LOCATED ON NEWLY CONSTRUCTED DEDICATED TOWER.

FOR INFORMATION ONLY

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PERRY P. HOGAN
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REGISTERED PROFESSIONAL ENGINEER IN
ELECTRICAL ENGINEERING
11/21/14

SHEET NUMBER E2.2

WASTEWATER LIFT STATION
TELEMETRY SYSTEM FOR
ST. JOHN THE BAPTIST PARISH, LOUISIANA
WATER WIRELESS CONTROL I/O SYSTEM

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