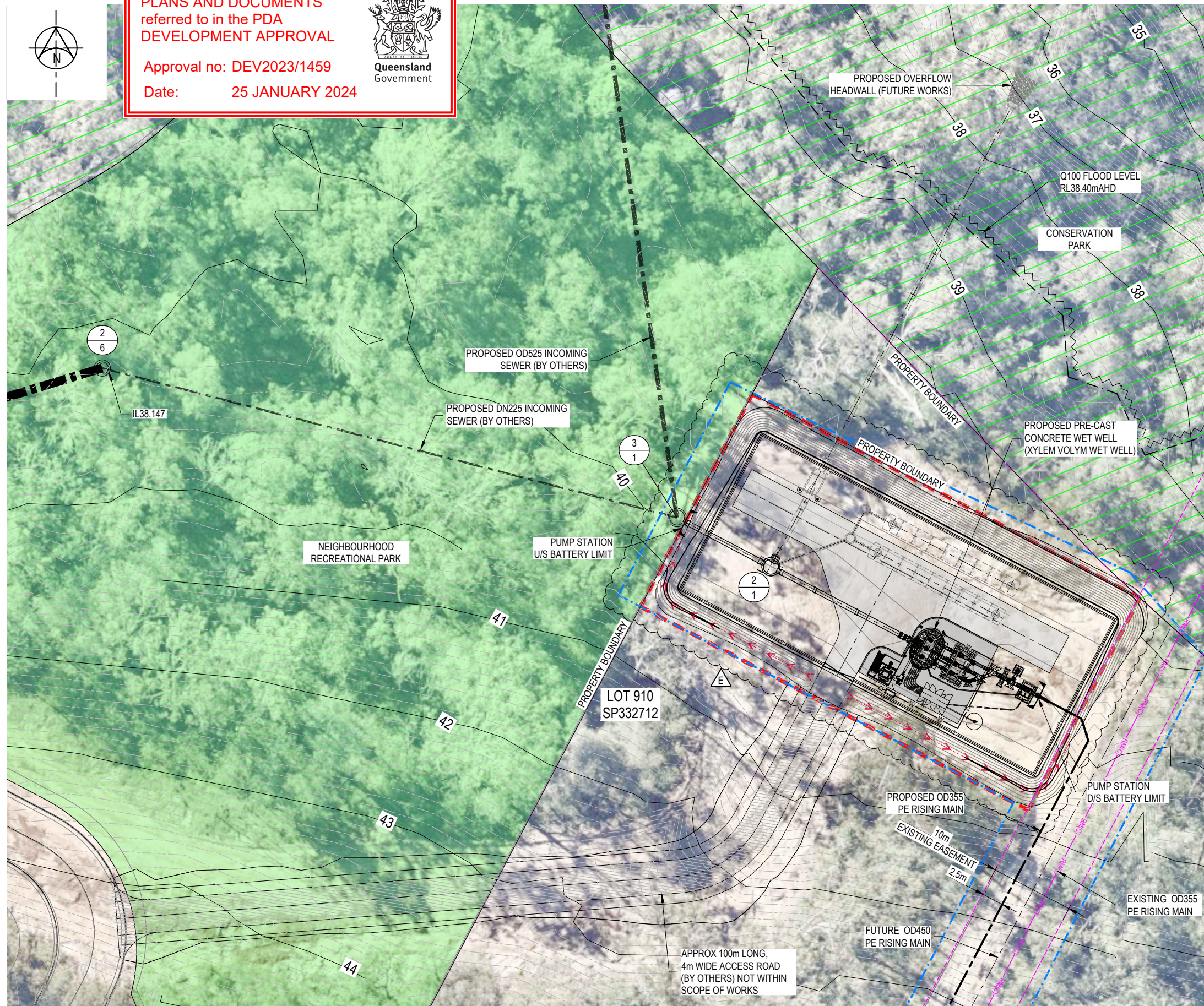


PLANS AND DOCUMENTS  
referred to in the PDA  
DEVELOPMENT APPROVAL

Approval no: DEV2023/1459

Date: 25 JANUARY 2024



OVERALL SITE PLAN  
SCALE 1:250

CONTINUED ABOVE RIGHT

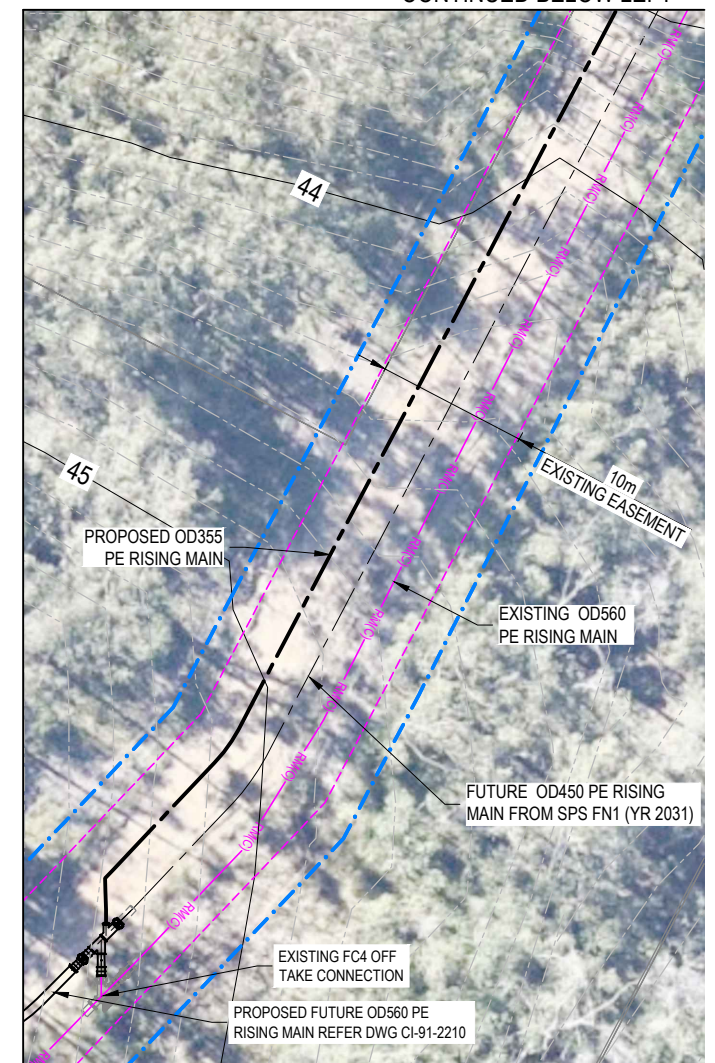
#### NOTES:

- FOR GENERAL NOTES REFER TO STD DWG PM001-00-P-DWG-ND-0020 TO ND-0023
- FOR SITE SPECIFIC NOTES REFER TO DWG ND-91-0020 AND 0021.
- CONTOURS SHOWN ARE COMBINED FROM DESIGN SURVEY INFORMATION AND ALS GIS DATA.

#### LEGEND:

- EXISTING LS305 OD560 SEWER RISING MAIN
- PROPOSED OD355 SEWER RISING MAIN
- PROPOSED RIGHT OF WAY
- PROPOSED PROPERTY BOUNDARY
- EXISTING EASEMENT
- 1 IN 100 YEAR ARI FLOOD LINE (LCC PLANNING SCHEME GIS)
- BELOW 1 IN 100 YEAR ARI FLOOD LINE
- DENOTES NEIGHBORHOOD RECREATIONAL PARK LANDS
- DENOTES CONSERVATION PARK LANDS

CONTINUED BELOW LEFT



0 2.5 5 10 15m  
A1 - 1:250



FOR TENDER

CAD FILE: DT8002-01-S-DWG-CI-91-2000.dwg  
AMAYA RUBEN  
DATE PLOTTED: 04 July 2023 - 12:47pm

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|                              |                                     |                                              |
|------------------------------|-------------------------------------|----------------------------------------------|
| DESIGNED BY<br>A. DOMANTI    | DESIGN CHECKED BY<br>B. LENNOX      | REFERENCES<br>PROJECT No.<br>DT8002-01       |
| DRAFTED BY<br>R. AMAYA       | DRAFTING CHECKED BY<br>F. JESPERSEN | LW FACILITY ID<br>SPS179                     |
| RPEQ APPROVED BY             | RPEQ                                | SHEET SIZE<br>A1                             |
| DATE                         | DATE                                | DO NOT SCALE<br>DATUM : AHD<br>GDA94 ZONE 56 |
| DESIGN MANAGER<br>A. DOMANTI | DATE                                |                                              |



PROJECT: FLAGSTONE CENTRAL 4 (FC4) SPS AND CONVEYANCE

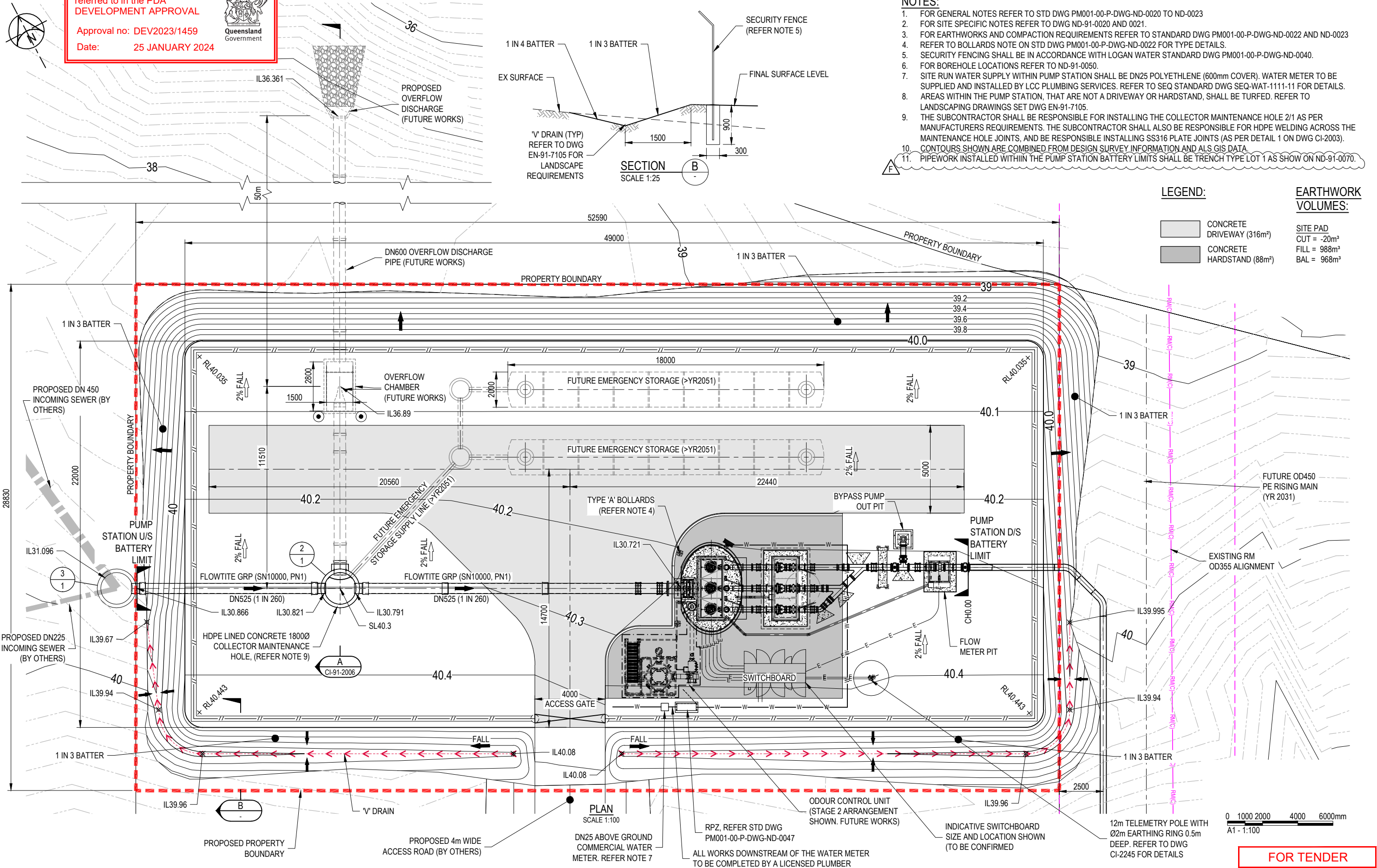
DRAWING TITLE:  
FC4 WASTEWATER PUMP STATION REFERENCE DESIGN  
GENERAL ARRANGEMENT  
OVERALL SITE LAYOUT

|                                                   |           |
|---------------------------------------------------|-----------|
| PROJECT DRAWING No.<br>DT8002-01-S-DWG-CI-91-2000 | REV.<br>E |
| DESIGN COMPANY.<br>LOGAN WATER                    |           |
| ALTERNATE DRAWING NUMBER.                         |           |

PLANS AND DOCUMENTS  
referred to in the PDA  
DEVELOPMENT APPROVAL

Approval no: DEV2023/1459

Date: 25 JANUARY 2024



#### NOTES:

- FOR GENERAL NOTES REFER TO STD DWG PM001-00-P-DWG-ND-0020 TO ND-0023
- FOR SITE SPECIFIC NOTES REFER TO DWG ND-91-0020 AND 0021.
- FOR EARTHWORKS AND COMPACTION REQUIREMENTS REFER TO STANDARD DWG PM001-00-P-DWG-ND-0022 AND ND-0023
- REFER TO BOLLARDS NOTE ON STD DWG PM001-00-P-DWG-ND-0022 FOR TYPE DETAILS.
- SECURITY FENCING SHALL BE IN ACCORDANCE WITH LOGAN WATER STANDARD DWG PM001-00-P-DWG-ND-0040.
- FOR BOREHOLE LOCATIONS REFER TO ND-91-0050.
- SITE RUN WATER SUPPLY WITHIN PUMP STATION SHALL BE DN25 POLYETHYLENE (600mm COVER). WATER METER TO BE SUPPLIED AND INSTALLED BY LCC PLUMBING SERVICES. REFER TO SEQ STANDARD DWG SEQ-WAT-1111-11 FOR DETAILS.
- AREAS WITHIN THE PUMP STATION, THAT ARE NOT A DRIVEWAY OR HARDSTAND, SHALL BE TURFED. REFER TO LANDSCAPING DRAWINGS SET DWG EN-91-7105.
- THE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING THE COLLECTOR MAINTENANCE HOLE 2/1 AS PER MANUFACTURERS REQUIREMENTS. THE SUBCONTRACTOR SHALL ALSO BE RESPONSIBLE FOR HDPE WELDING ACROSS THE MAINTENANCE HOLE JOINTS, AND BE RESPONSIBLE INSTALLING SS316 PLATE JOINTS (AS PER DETAIL 1 ON DWG CI-2003).
- CONTOURS SHOWN ARE COMBINED FROM DESIGN SURVEY INFORMATION AND ALS GIS DATA.
- PIPEWORK INSTALLED WITHIN THE PUMP STATION BATTERY LIMITS SHALL BE TRENCH TYPE LOT 1 AS SHOWN ON ND-91-0070.

#### LEGEND:

|  |                           |
|--|---------------------------|
|  | CONCRETE DRIVEWAY (316m²) |
|  | CONCRETE HARDSTAND (88m²) |

#### EARTHWORK VOLUMES:

|              |
|--------------|
| SITE PAD     |
| CUT = -20m³  |
| FILL = 988m³ |
| BAL = 968m³  |

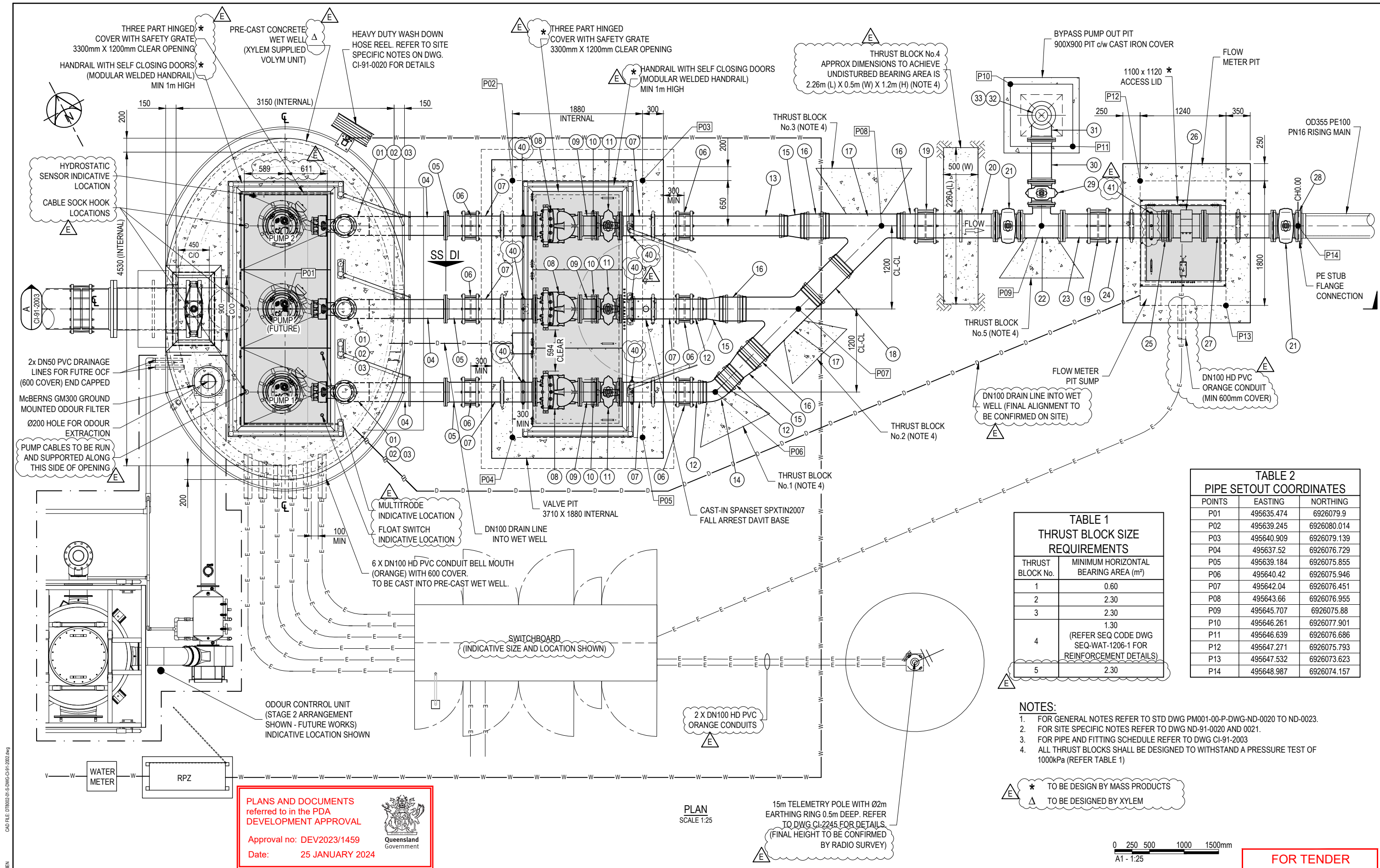
| REV. No. | DESCRIPTION                                           | DRAWN | DESIGNER | APPR. | DATE       |
|----------|-------------------------------------------------------|-------|----------|-------|------------|
| F        | FOR TENDER                                            | RA    | AD       | AD    | 04/07/2023 |
| E        | FOR TENDER, SITE CONTOURS REVISED, AMENDED AS CLOUDED | RA    | AD       | AD    | 07/06/2023 |
| D        | ISSUED FOR TENDER                                     | RA    | AD       | AD    | 10/03/2023 |
| C        | ISSUED FOR TENDER (REVISED BATTERY LIMIT)             | RA    | AD       | AD    | 17/11/2022 |
| B        | ISSUED FOR TENDER                                     | RA    | AD       | AD    | 08/11/2022 |
| A        | PRELIMINARY (FOR INFORMATION ONLY)                    | RA    | AD       | AD    |            |

|                           |                                     |
|---------------------------|-------------------------------------|
| DESIGNED BY<br>A. DOMANTI | DESIGN CHECKED BY<br>B. LENNOX      |
| DRAFTED BY<br>R. AMAYA    | DRAFTING CHECKED BY<br>F. JESPERSEN |
| RPEQ APPROVED BY          | RPEQ                                |
| DATE                      | DATE                                |
| DESIGN MANAGER            | DATE                                |
| A. DOMANTI                |                                     |

|                          |
|--------------------------|
| REFERENCES               |
| PROJECT No.<br>DT8002-01 |
| LW FACILITY ID<br>SPS179 |
| SHEET SIZE<br>A1         |
| DO NOT SCALE             |
| DATUM : AHD              |
| GDA94 ZONE 56            |



|                                                                |                                                   |
|----------------------------------------------------------------|---------------------------------------------------|
| PROJECT:<br>FLAGSTONE CENTRAL 4 (FC4) SPS AND CONVEYANCE       | PROJECT DRAWING No.<br>DT8002-01-S-DWG-CI-91-2001 |
| DRAWING TITLE:<br>FC4 WASTEWATER PUMP STATION REFERENCE DESIGN | DESIGN COMPANY:<br>LOGAN WATER                    |
| SITE PLAN                                                      | REV.<br>F                                         |
|                                                                | ALTERNATE DRAWING NUMBER.                         |



| TABLE 1<br>THRUST BLOCK SIZE<br>REQUIREMENTS |                                                                             |
|----------------------------------------------|-----------------------------------------------------------------------------|
| THRUST<br>BLOCK No.                          | MINIMUM HORIZONTAL<br>BEARING AREA (m²)                                     |
| 1                                            | 0.60                                                                        |
| 2                                            | 2.30                                                                        |
| 3                                            | 2.30                                                                        |
| 4                                            | 1.30<br>(REFER SEQ CODE DWG<br>SEQ-WAT-1206-1 FOR<br>REINFORCEMENT DETAILS) |
| 5                                            | 2.30                                                                        |

| TABLE 2<br>PIPE SETOUT COORDINATES |            |             |
|------------------------------------|------------|-------------|
| POINTS                             | EASTING    | NORTHING    |
| P01                                | 495635.474 | 6926079.9   |
| P02                                | 495639.245 | 6926080.014 |
| P03                                | 495640.909 | 6926079.139 |
| P04                                | 495637.52  | 6926076.729 |
| P05                                | 495639.184 | 6926075.855 |
| P06                                | 495640.42  | 6926075.946 |
| P07                                | 495642.04  | 6926076.451 |
| P08                                | 495643.66  | 6926076.955 |
| P09                                | 495645.707 | 6926075.88  |
| P10                                | 495646.261 | 6926077.901 |
| P11                                | 495646.639 | 6926076.686 |
| P12                                | 495647.271 | 6926075.793 |
| P13                                | 495647.532 | 6926073.623 |
| P14                                | 495648.987 | 6926074.157 |

- NOTES:
- FOR GENERAL NOTES REFER TO STD DWG PM001-00-P-DWG-ND-0020 TO ND-0023.
  - FOR SITE SPECIFIC NOTES REFER TO DWG ND-91-0020 AND 0021.
  - FOR PIPE AND FITTING SCHEDULE REFER TO DWG CI-91-2003
  - ALL THRUST BLOCKS SHALL BE DESIGNED TO WITHSTAND A PRESSURE TEST OF 1000kPa (REFER TABLE 1)

- \* TO BE DESIGN BY MASS PRODUCTS  
Δ TO BE DESIGNED BY XYLEM

0 250 500 1000 1500mm  
A1 - 1:25

FOR TENDER

|                                                                                                                           |  |  |  |                           |  |                                     |  |                                        |  |                                                                |  |
|---------------------------------------------------------------------------------------------------------------------------|--|--|--|---------------------------|--|-------------------------------------|--|----------------------------------------|--|----------------------------------------------------------------|--|
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|                                                                                                                           |  |  |  | DRAFTED BY<br>R. AMAYA    |  | DRAFTING CHECKED BY<br>F. JESPERSEN |  | LW FACILITY ID<br>SPS179               |  | DRAWING TITLE:<br>FC4 WASTEWATER PUMP STATION REFERENCE DESIGN |  |
|                                                                                                                           |  |  |  | RPEQ APPROVED BY          |  | RPEQ                                |  | SHEET SIZE<br>A1                       |  | PROJECT DRAWING No.<br>DT8002-01-S-DWG-CI-91-2002              |  |
|                                                                                                                           |  |  |  |                           |  | DATE                                |  | DO NOT SCALE<br>DATUM: AHD             |  | DESIGN COMPANY:<br>LOGAN WATER                                 |  |
|                                                                                                                           |  |  |  | DESIGN MANAGER            |  | DATE                                |  | GDA94 ZONE 56                          |  | ALTERNATE DRAWING NUMBER.                                      |  |
|                                                                                                                           |  |  |  | A. DOMANTI                |  |                                     |  |                                        |  | REV.<br>E                                                      |  |
| REV. No. DESCRIPTION                                                                                                      |  |  |  | DRAWN                     |  | DESIGNER                            |  | APPR.                                  |  | DATE                                                           |  |
| E FOR TENDER                                                                                                              |  |  |  | RA                        |  | AD                                  |  | AD                                     |  | 04/07/2023                                                     |  |
| D FOR TENDER, AMENDED AS CLOUDED                                                                                          |  |  |  | RA                        |  | AD                                  |  | AD                                     |  | 07/06/2023                                                     |  |
| C ISSUED FOR TENDER                                                                                                       |  |  |  | RA                        |  | AD                                  |  | AD                                     |  | 10/03/2023                                                     |  |
| B ISSUED FOR TENDER                                                                                                       |  |  |  | RA                        |  | AD                                  |  | AD                                     |  | 08/11/2022                                                     |  |
| A PRELIMINARY (FOR INFORMATION ONLY)                                                                                      |  |  |  | RA                        |  | AD                                  |  | AD                                     |  |                                                                |  |



NOTES:

- FOR GENERAL NOTES REFER TO STD DWG PM001-00-P-DWG-ND-0020 TO ND-0023
- FOR SITE SPECIFIC NOTES REFER TO DWG ND-91-0020 AND 0021.

# REFER NOTE AC4 ON DWG ND-0020

PUMP STATION CONTROL LEVELS

| ITEM | DESCRIPTION               | STAGE 1      |                      | STAGE 2      |                      |
|------|---------------------------|--------------|----------------------|--------------|----------------------|
|      |                           | LEVEL (mAHD) | HEIGHT FROM BASE (m) | LEVEL (mAHD) | HEIGHT FROM BASE (m) |
| A    | TOP OF SLAB               | 40.352       | 12.842               | 40.352       | 12.842               |
| M    | Q100 LEVEL                | 38.40        | 10.89                | 38.40        | 10.89                |
| K    | OVERFLOW LEVEL            | 36.92        | 9.40                 | 36.92        | 9.40                 |
| L    | PRE OVERFLOW ALARM LEVEL  | 36.62        | 9.10                 | 36.62        | 9.10                 |
| B    | INLET INVERT LEVEL        | 30.72        | 3.21                 | 30.72        | 3.21                 |
| J    | HIGH LEVEL ALARM LEVEL    | 30.62        | 3.11                 | 30.62        | 3.11                 |
| I    | PUMP 2 START LEVEL        | 29.42        | 1.91                 | 30.32        | 2.81                 |
| C    | DUTY START LEVEL          | 29.12        | 1.61                 | 30.02        | 2.51                 |
| D    | DUTY STOP LEVEL           | 28.25        | 0.74                 | 28.82        | 1.31                 |
|      | WET WELL CLEAN STOP LEVEL | 27.82        | 0.31                 | 27.82        | 0.31                 |
| E    | FLOOR SLAB LEVEL          | 27.51        | 0.00                 | 27.51        | 0.00                 |

PIPE AND MATERIAL SCHEDULE

| ITEM | DESCRIPTION                                                                                                                    | MATERIAL      | SIZE                | QTY |
|------|--------------------------------------------------------------------------------------------------------------------------------|---------------|---------------------|-----|
| 01   | ECCENTRIC REDUCER FL-FL. NOTE: FLANGE PATTERN FOR HIDROSTAL DUCK FOOT IS TO EN1092-2 (PCD=295, ØHOLE=22, No HOLES=8, RF Ø=266) | SS316L SCH40S | DN250-DN200         | 3   |
| 02   | RISER PIPE FL-FL, 4588 LENGTH                                                                                                  | SS316L SCH40S | DN250               | 6   |
| 03   | 90° BEND, FL-PL                                                                                                                | SS316L SCH40S | DN250               | 3   |
| 04   | PIPE, FL-FL, 1100mm (APPROX) LENGTH c/w THRUST FLANGE 516mm FROM FLANGE END                                                    | SS316L SCH40S | DN250               | 3   |
| 05   | PIPE, FL-SP, 350 LONG                                                                                                          | DI CAC        | DN250               | 3   |
| 06   | VARIGIB COUPLING                                                                                                               | DI/SS316      | DN250               | 6   |
| 07   | PIPE, SP-FL (928 LONG) C/W THRUST PUDDLE FLANGE 478 FOR FL END AND TAPPING BAND WITH DN25 BALL VALVE AND PLUG (ITEM No 40)     | DI-CAC        | DN250               | 6   |
| 08   | VALMATIC SWINGFLEX CHECK VALVE, MODEL 510AUW FL-FL PN16 (640MM LONG), DRILLED TO AS4087 FIGURE B5                              | DI-TB         | DN250               | 3   |
| 09   | FL-SP CONNECTION (230mm LENGTH)                                                                                                | DI-TB         | DN250               | 3   |
| 10   | NON THRUST DISMANTLING JOINT                                                                                                   | DI-TB         | DN250               | 3   |
| 11   | SLUICE VALVE PN16, FL-FL, NON RISING, RESILIENT SEATED C/W EXTENSION SPINDLE                                                   | DI-TB         | DN250               | 3   |
| 12   | PIPE, SP-SP (300 LONG)                                                                                                         | DI-CAC        | DN250               | 3   |
| 13   | PIPE SP-SP, 2200 LONG, CUT TO SUIT ON SITE)                                                                                    | DI-CAC        | DN250               | 1   |
| 14   | 45° BEND SO-SO                                                                                                                 | DI-TB         | DN250               | 1   |
| 15   | CONCENTRIC TAPER, SOC-SOC                                                                                                      | DI-TB         | DN300 x DN250       | 3   |
| 16   | PIPE SPOOL, SP-SP, 400 LONG, CUT TO SUIT ON SITE                                                                               | DI-CAC        | DN300               | 4   |
| 17   | EQUAL WYE FITTING, SO-SOxSO                                                                                                    | DI-TB         | DN300-DN300 x DN300 | 2   |
| 18   | PIPE SPOOL, SP-SP, 715 LONG                                                                                                    | DI-CAC        | DN300               | 1   |
| 19   | VARIGIB COUPLING                                                                                                               | DI/SS316      | DN300               | 2   |
| 20   | PIPE, FL-SP, 1000 LONG WITH THRUST FLANGE CENTRALLY PLACED (REFER STD DWG LW-GEN-DWG-0022 NOTE T1)                             | DI-CAC        | DN300               | 1   |
| 21   | SLUICE VALVE PN16, FL-FL, NON RISING, RESILIENT SEATED C/W EXTENSION SPINDLE AND VALVE BOX                                     | DI-TB         | DN300               | 2   |
| 22   | TEE FL-FLxFL                                                                                                                   | DI-TB         | DN300-DN300 x DN250 | 1   |
| 23   | PIPE, FL-SP (500 LONG)                                                                                                         | DI-CAC        | DN300               | 1   |
| 24   | PIPE SP-SP 1000 LONG, C/W THRUST FLANGE CENTRALLY IN WALL (475 FROM SPIGOT END) AND TAPPING BAND W/ BALL VALVE (ITEM No.41)    | DI-TB         | DN300               | 1   |
| 25   | NON THRUST DISMANTLING JOINT                                                                                                   | DI-TB         | DN300               | 1   |
| 26   | KROHNE, OPTIFLUX 2050 FLOW METER, ELECTROMAGNETIC, BIDIRECTIONAL, FL-FL, IP68, PN16 C/W GROUNDING RINGS SS316                  | DI-TB         | DN300               | 1   |
| 27   | PIPE FL-FL, 1000 LONG, C/W THRUST FLANGE CENTRALLY IN WALL (506mm FROM FLANGE END)                                             | DI-CAC        | DN300               | 1   |
| 28   | PE STUB FLANGE C/W SS BACKING RING                                                                                             | PE / SS316L   | OD355               | 1   |
| 29   | SLUICE VALVE PN16, FL-FL, NON RISING, RESILIENT SEATED C/W EXTENSION SPINDLE AND VALVE BOX                                     | DI-TB         | DN250               | 1   |
| 30   | PIPE, FL-FL (600 LONG)                                                                                                         | DI-CAC        | DN250               | 1   |
| 31   | 90° FITTING, FL-FL                                                                                                             | DI-TB         | DN250               | 1   |
| 32   | PIPE FL-FL (1685 LONG)                                                                                                         | DI-CAC        | DN250               | 1   |
| 33   | BLANK FLANGE                                                                                                                   | DI-TB         | DN250               | 1   |
| 34   | DROPPER PIPE, SCHEDULE 40S (DRILLED TO AS4087 FIGURE B7)                                                                       | SS316L SCH40S | OD610               | 1   |
| 35   | EBRO ARMATURE, BONNETED WB14E-E-600-E-TY-KEYCAP-AS16-PN4 (NON-RISING SPINDLE, WITH FLANGE DRILLING TO AS4087 FIGURE B7)        | SS316L        | DN600               | 1   |
| 36   | FL-FL, 1100 LENGTH, SCHEDULE 40S (DRILLED TO AS4087 FIGURE B7)                                                                 | SS316L SCH40S | OD610               | 1   |
| 37   | VARIGIB COUPLING (MODEL No. KV0574CD)                                                                                          | SS316         | DN600               | 2   |
| 38   | FL-SP CONNECTOR (450 LONG)                                                                                                     | GRP           | DN525               | 1   |
| 39   | SP-SP, PIPE SPOOL (1200 LONG)                                                                                                  | GRP SN10000   | DN525               | 1   |
| 40   | TAPPING BAND WITH DN25 BALL VALVE                                                                                              | SS316         | DN250 / DN25        | 6   |
| 41   | TAPPING BAND WITH DN25 BALL VALVE x2 (WITH TEE)                                                                                | SS316         | DN300 / DN25        | 1   |

DUCTILE IRON PIPE AND FITTINGS

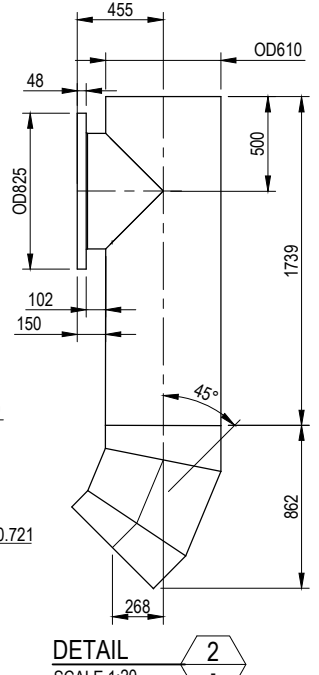
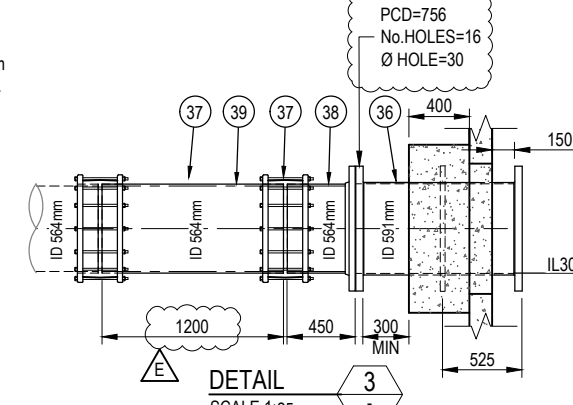
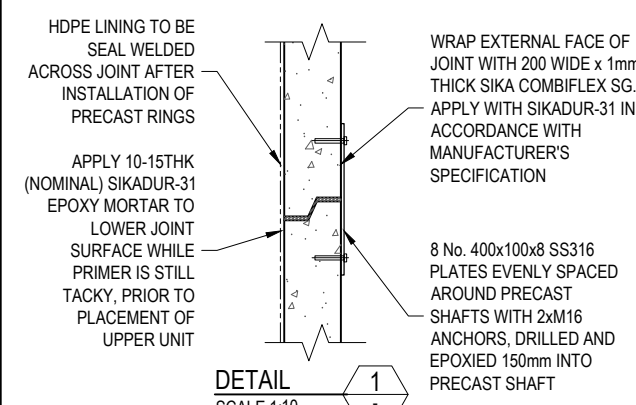
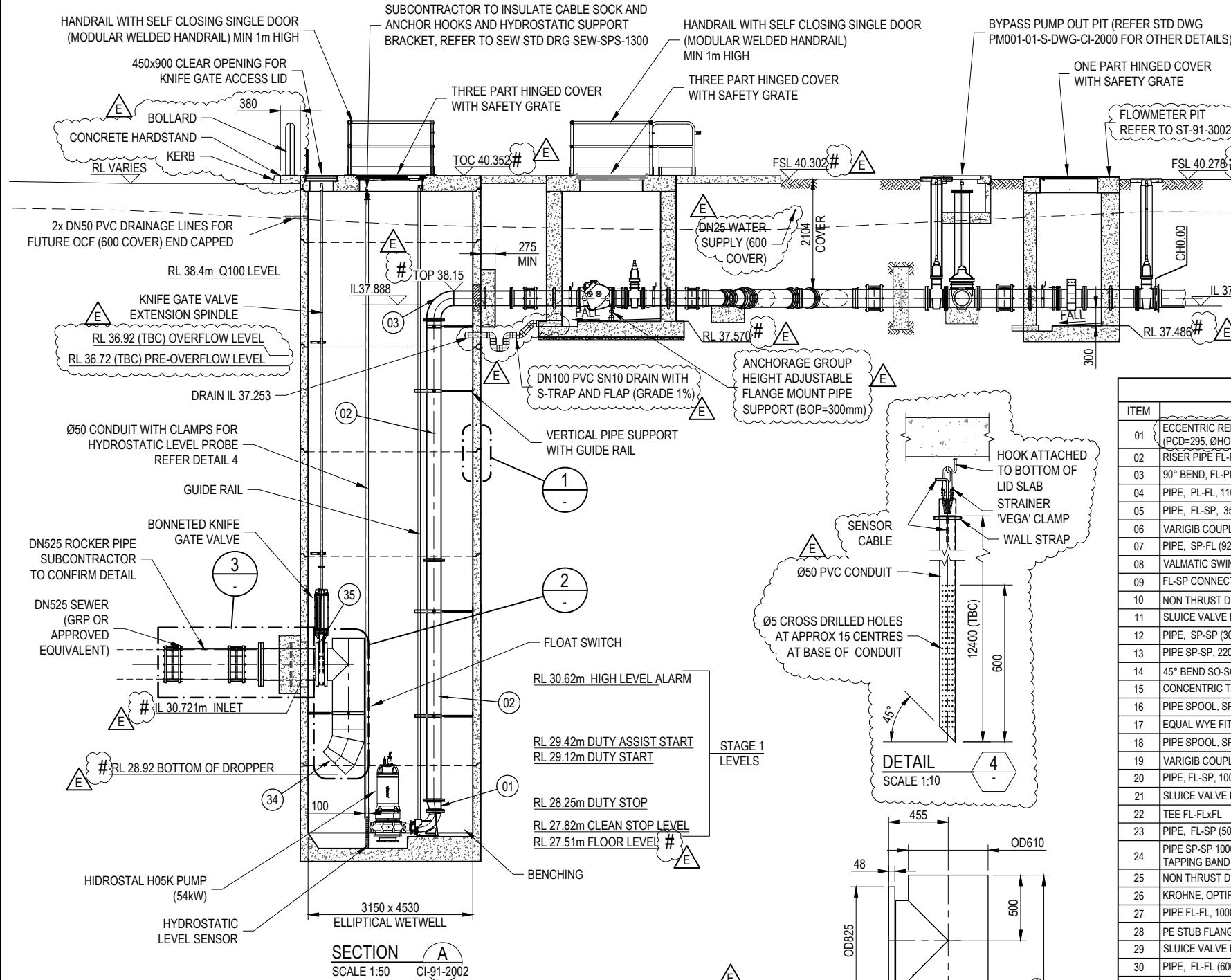
VARIOUS SIZES

REFER PM001-00-P-DWG-ND-0021 FOR GENERAL DETAILS.

CLARIFICATION NOTES:  
ALL DI PIPE SHALL BE CALCIUM ALUMINATE LINED (DI-CAC, PN35)  
ALL PIPE STANDARD FITTINGS/BENDS SHALL BE THERMAL BONDED (DI-TB)  
ALL DJ FLANGED PIPE SHALL BE DRILLED AS4087, FIG B5

0 500 1000 2000 3000mm  
A1 - 1:50

FOR TENDER



| REV. No. | DESCRIPTION                        | DRAWN | DESIGNER | APPR. | DATE       |
|----------|------------------------------------|-------|----------|-------|------------|
| E        | FOR TENDER                         | RA    | AD       |       |            |
| D        | FOR TENDER, AMENDED AS CLOUDED     | RA    | AD       | AD    | 07/06/2023 |
| C        | ISSUED FOR TENDER                  | RA    | AD       | AD    | 10/03/2023 |
| B        | ISSUED FOR TENDER                  | RA    | AD       | AD    | 08/11/2022 |
| A        | PRELIMINARY (FOR INFORMATION ONLY) | RA    | AD       | AD    |            |

|                              |                                   |                                                                                                                                        |
|------------------------------|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| DESIGNED BY<br>A. DOMANTI    | DESIGN CHECKED BY<br>F. JESPERSEN | REFERENCES<br>PROJECT No.<br>DT8002-01<br>LW FACILITY ID<br>SPS179<br>SHEET SIZE<br>A1<br>DO NOT SCALE<br>DATUM : AHD<br>GDA94 ZONE 56 |
| DRAFTED BY<br>R. AMAYA       | RPEQ APPROVED BY<br>RPEQ          | DATE                                                                                                                                   |
| DESIGN MANAGER<br>A. DOMANTI | DATE                              |                                                                                                                                        |

PROJECT: FLAGSTONE CENTRAL 4 (FC4) SPS AND CONVEYANCE

DRAWING TITLE: FC4 WASTEWATER PUMP STATION REFERENCE DESIGN

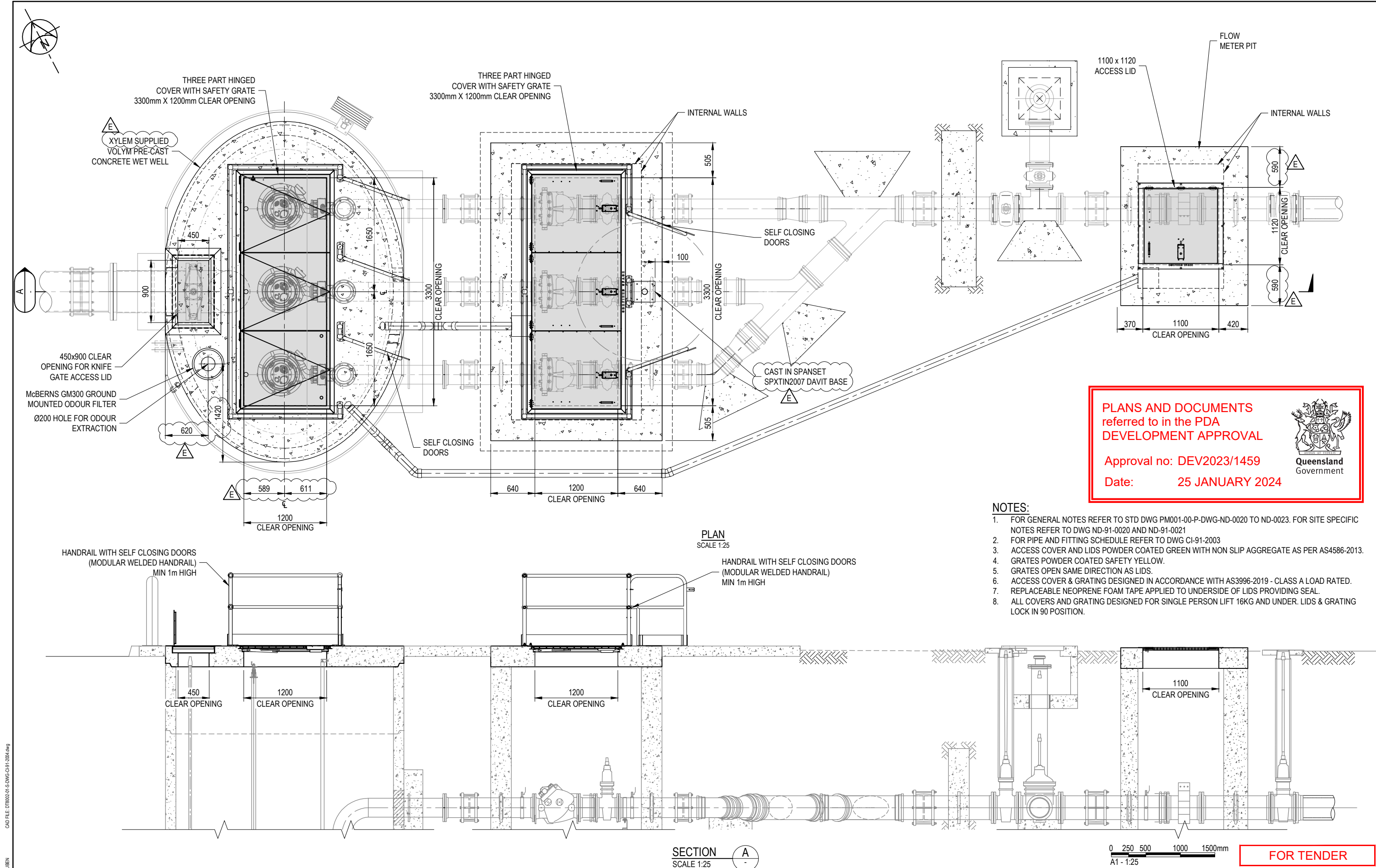
SECTIONAL VIEW

PROJECT DRAWING No.  
DT8002-01-S-DWG-CI-91-2003

DESIGN COMPANY:  
LOGAN WATER

ALTERNATE DRAWING NUMBER:

REV. E



CAD FILE: DT8002-01-S-DWG-CI-91-2004.dwg

AMAYA RUBEN

DATE PLOTTED: 04 July 2023 14:15pm

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| REV. No.                                                                                                                    | DESCRIPTION                        | DRAWN | DESIGNER | APPR. | DATE       |
| E                                                                                                                           | FOR TENDER                         | RA    | AD       | AD    | 04/07/2023 |
| D                                                                                                                           | FOR TENDER, AMENDED AS CLOUDED     | RA    | AD       | AD    | 07/06/2023 |
| C                                                                                                                           | ISSUED FOR TENDER                  | RA    | AD       | AD    | 10/03/2023 |
| B                                                                                                                           | ISSUED FOR TENDER                  | RA    | AD       | AD    | 08/11/2022 |
| A                                                                                                                           | PRELIMINARY (FOR INFORMATION ONLY) | RA    | AD       | AD    |            |

|                              |                                     |                                              |
|------------------------------|-------------------------------------|----------------------------------------------|
| DESIGNED BY<br>A. DOMANTI    | DESIGN CHECKED BY<br>B. LENNOX      | REFERENCES<br>PROJECT No.<br>DT8002-01       |
| DRAFTED BY<br>R. AMAYA       | DRAFTING CHECKED BY<br>F. JESPERSEN | LW FACILITY ID<br>SPS179                     |
| RPEQ APPROVED BY             | RPEQ                                | SHEET SIZE<br>A1                             |
| DATE                         | DATE                                | DO NOT SCALE<br>DATUM : AHD<br>GDA94 ZONE 56 |
| DESIGN MANAGER<br>A. DOMANTI | DATE                                |                                              |



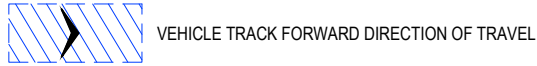
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|--------------------------------------------------------------------------------------|---------------------------------------------------|
| PROJECT:<br>FLAGSTONE CENTRAL 4 (FC4) SPS AND CONVEYANCE                             | PROJECT DRAWING No.<br>DT8002-01-S-DWG-CI-91-2004 |
| DRAWING TITLE:<br>FC4 WASTEWATER PUMP STATION REFERENCE DESIGN<br>ACCESS LIDS LAYOUT | DESIGN COMPANY:<br>LOGAN WATER                    |
|                                                                                      | ALTERNATE DRAWING NUMBER:                         |
|                                                                                      | REV.<br>E                                         |



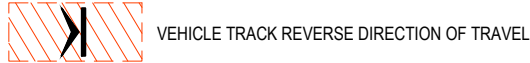
#### NOTES:

1. FOR GENERAL NOTES REFER TO STD DWG PM001-00-P-DWG-ND-0020 TO ND-0023
2. FOR SITE SPECIFIC NOTES REFER TO DWG ND-91-0020 AND 0021.
3. CONTOURS SHOWN ARE DERIVED FROM A COMBINATION OF SURVEYED DATA AND GIS DATA.

#### LEGEND:

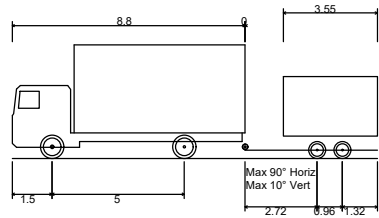


VEHICLE TRACK FORWARD DIRECTION OF TRAVEL



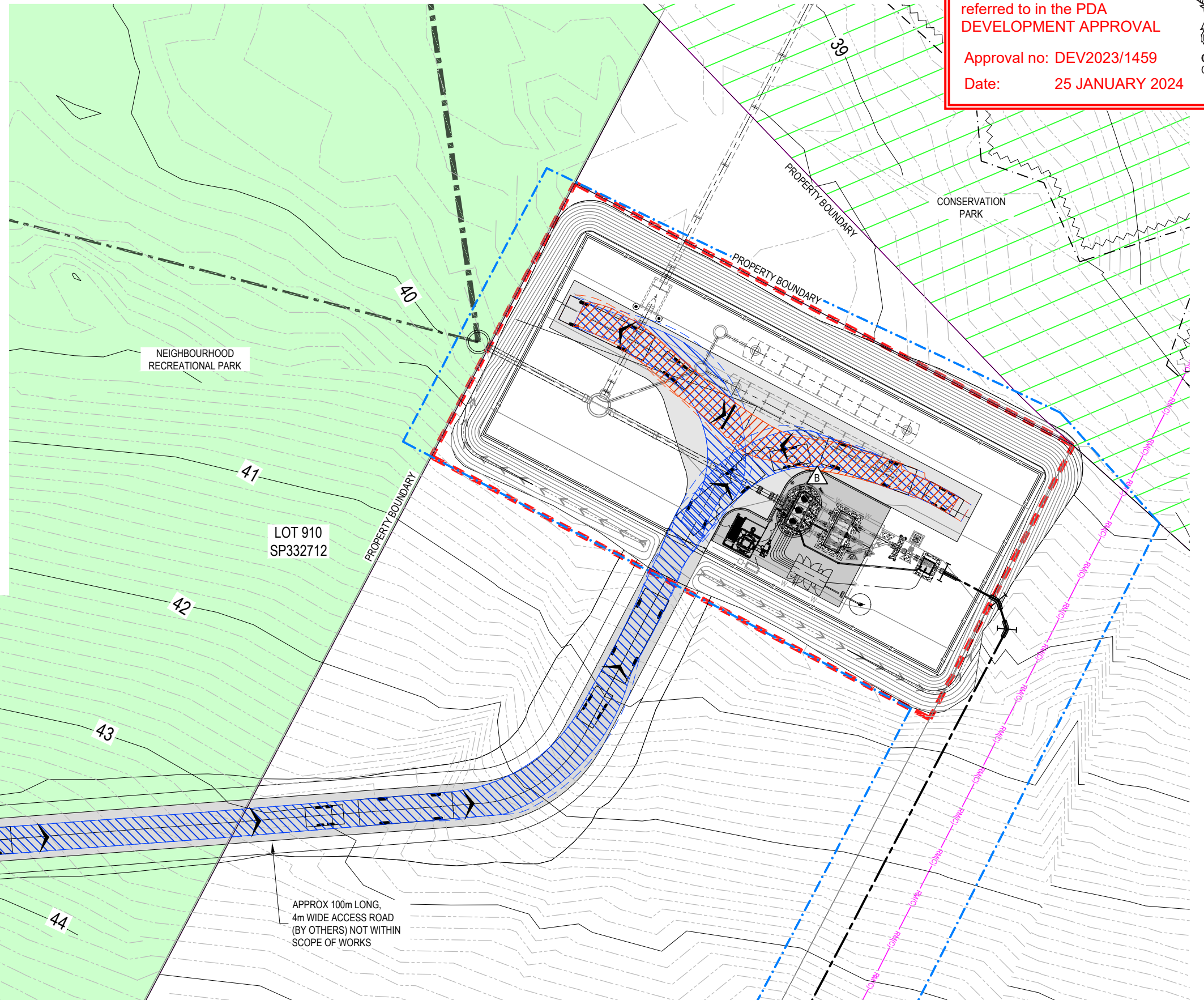
VEHICLE TRACK REVERSE DIRECTION OF TRAVEL

#### SERVICE VEHICLE



Service Vehicle (8.8 m) with trailer  
Overall Length  
Overall Width  
Overall Body Height  
Min Body Ground Clearance  
Max Track Width  
Lock-to-lock time  
Curb to Curb Turning Radius

13.800m  
2.500m  
4.300m  
0.315m  
2.500m  
4.00s  
12.500m



PLAN  
SCALE 1:200

0 2 4 8 12m  
A1 - 1:200

FOR TENDER

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| REV. No. | DESCRIPTION | DRAWN | DESIGNER | APPR. | DATE       |
|----------|-------------|-------|----------|-------|------------|
| B        | FOR TENDER  | RA    | AD       | AD    | 04/07/2023 |
| A        | FOR TENDER  | RA    | AD       | AD    | 07/06/2023 |

|                              |                                     |                                              |
|------------------------------|-------------------------------------|----------------------------------------------|
| DESIGNED BY<br>A. DOMANTI    | DESIGN CHECKED BY<br>B. LENNOX      | REFERENCES<br>PROJECT No.<br>DT8002-01       |
| DRAFTED BY<br>R. AMAYA       | DRAFTING CHECKED BY<br>F. JESPERSEN | LW FACILITY ID<br>SPS179                     |
| RPEQ APPROVED BY             | RPEQ                                | SHEET SIZE<br>A1                             |
| DATE                         | DATE                                | DO NOT SCALE<br>DATUM : AHD<br>GDA94 ZONE 56 |
| DESIGN MANAGER<br>A. DOMANTI | DATE                                |                                              |



PROJECT: FLAGSTONE CENTRAL 4 (FC4) SPS AND CONVEYANCE

DRAWING TITLE:  
FC4 WASTEWATER PUMP STATION REFERENCE DESIGN  
VEHICLE TURNING CIRCLES  
PLAN

PROJECT DRAWING No.  
DT8002-01-S-DWG-CI-91-2010  
DESIGN COMPANY.  
LOGAN WATER  
ALTERNATE DRAWING NUMBER.  
REV. B



PLANS AND DOCUMENTS  
referred to in the PDA  
DEVELOPMENT APPROVAL

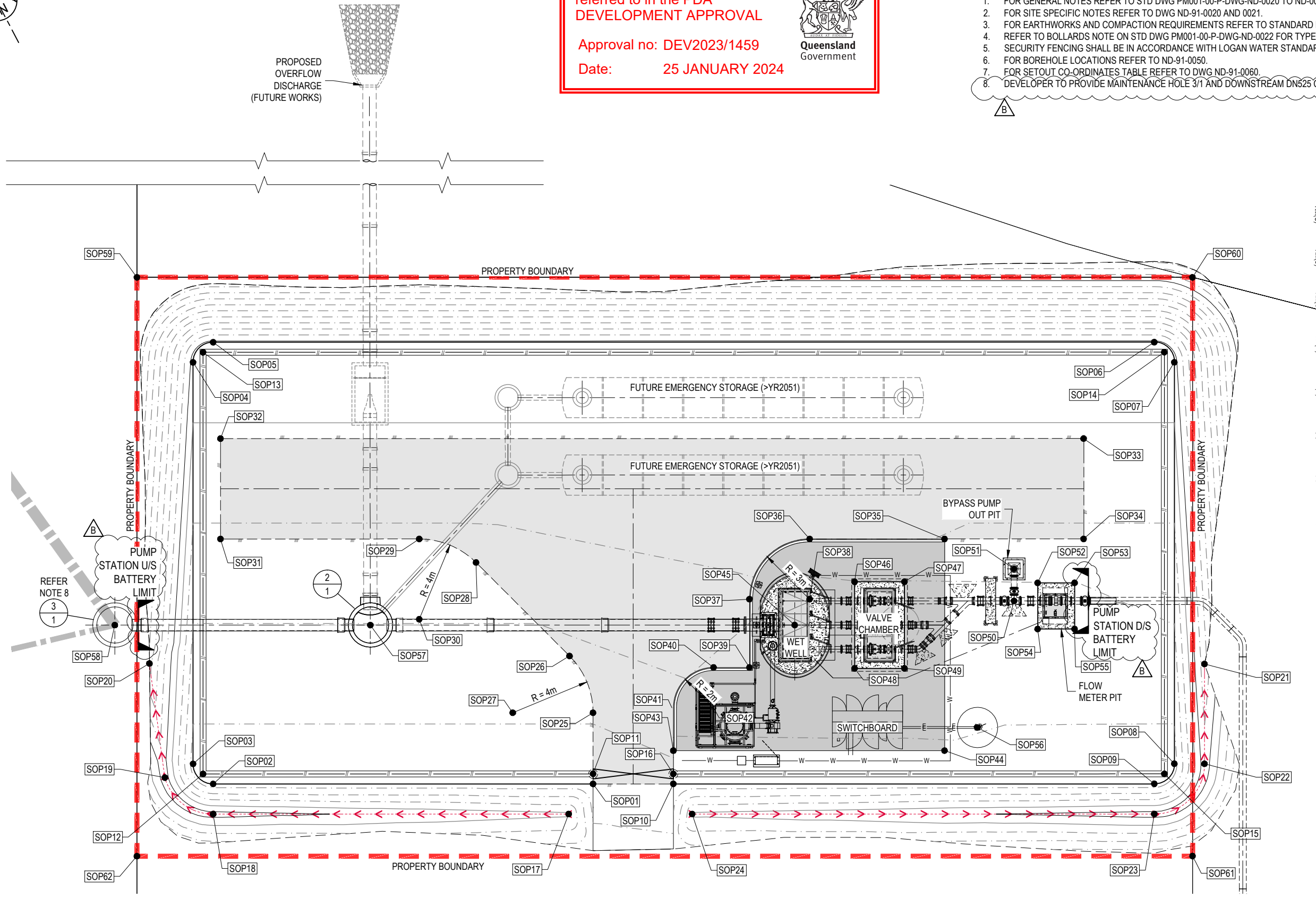
Approval no: DEV2023/1459

Date: 25 JANUARY 2024



NOTES:

1. FOR GENERAL NOTES REFER TO STD DWG PM001-00-P-DWG-ND-0020 TO ND-0023
2. FOR SITE SPECIFIC NOTES REFER TO DWG ND-91-0020 AND 0021.
3. FOR EARTHWORKS AND COMPACTION REQUIREMENTS REFER TO STANDARD DWG PM001-00-P-DWG-ND-0022 AND ND-0023
4. REFER TO BOLLARDS NOTE ON STD DWG PM001-00-P-DWG-ND-0022 FOR TYPE DETAILS.
5. SECURITY FENCING SHALL BE IN ACCORDANCE WITH LOGAN WATER STANDARD DWG PM001-00-P-DWG-ND-0040.
6. FOR BOREHOLE LOCATIONS REFER TO ND-91-0050.
7. FOR SETOUT CO-ORDINATES TABLE REFER TO DWG ND-91-0060.
8. DEVELOPER TO PROVIDE MAINTENANCE HOLE 3/1 AND DOWNSTREAM DN525 CONNECTION



PLAN  
SCALE 1:100

0 1000 2000 4000 6000mm  
A1 - 1:100

FOR TENDER

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|                              |                                     |                                              |
|------------------------------|-------------------------------------|----------------------------------------------|
| DESIGNED BY<br>A. DOMANTI    | DESIGN CHECKED BY<br>B. LENNOX      | REFERENCES<br>PROJECT No.<br>DT8002-01       |
| DRAFTED BY<br>R. AMAYA       | DRAFTING CHECKED BY<br>F. JESPERSEN | LW FACILITY ID<br>SPS179                     |
| RPEQ APPROVED BY             | RPEQ                                | SHEET SIZE<br>A1                             |
| DATE                         | DATE                                | DO NOT SCALE<br>DATUM : AHD<br>GDA94 ZONE 56 |
| DESIGN MANAGER<br>A. DOMANTI | DATE                                |                                              |



PROJECT: FLAGSTONE CENTRAL 4 (FC4) SPS AND CONVEYANCE

DRAWING TITLE:  
FC4 WASTEWATER PUMP STATION REFERENCE DESIGN  
SITE SETOUT PLAN

|                                                   |           |
|---------------------------------------------------|-----------|
| PROJECT DRAWING No.<br>DT8002-01-S-DWG-CI-91-2020 | REV.<br>B |
| DESIGN COMPANY.<br>LOGAN WATER                    |           |
| ALTERNATE DRAWING NUMBER.                         |           |

PLANS AND DOCUMENTS  
referred to in the PDA  
DEVELOPMENT APPROVAL

Approval no: DEV2023/1459

Date: 25 JANUARY 2024

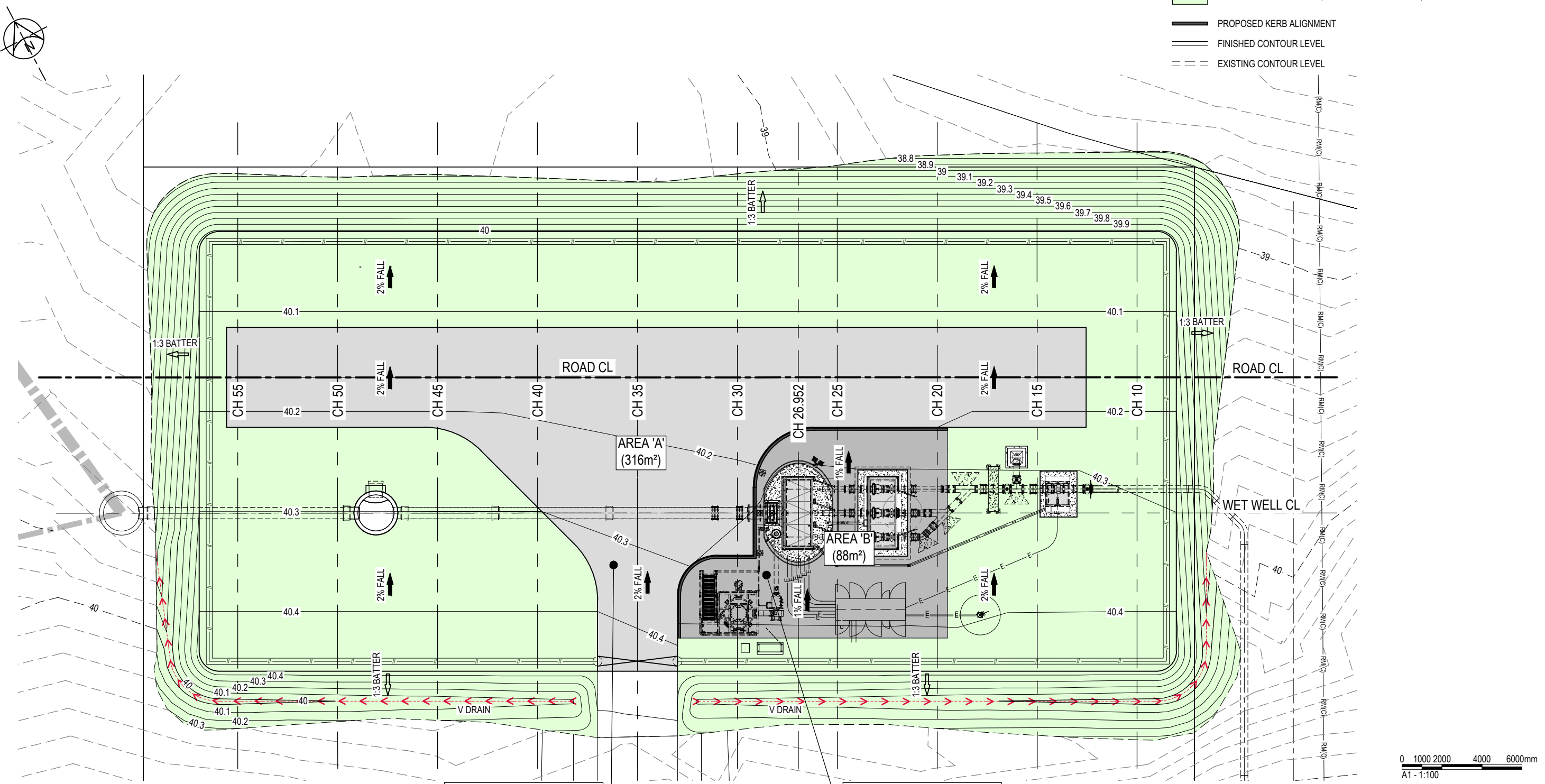


NOTES:

1. FOR GENERAL NOTES REFER TO STD DWG PM001-00-P-DWG-ND-0020 TO ND-0023
2. FOR SITE SPECIFIC NOTES REFER TO DWG ND-91-0020 AND 0021.
3. CONTOURS SHOWN ARE COMBINED FROM DESIGN SURVEY INFORMATION AND ALS GIS DATA.
4. REFER DWG CI-91-2022 FOR SECTIONS THROUGH SITE.

LEGEND

- CONCRETE
- CONCRETE HARD STAND
- LANDSCAPING AND TURF (TO BE DONE BY OTHERS)
- PROPOSED KERB ALIGNMENT
- FINISHED CONTOUR LEVEL
- EXISTING CONTOUR LEVEL



REFER TO DWG'S ST-91-3003 AND  
3004 FOR DRIVEWAY DETAILS

PLAN  
SCALE 1:100

REFER TO DWG'S ST-91-3003 AND  
3004 FOR HARDSTAND DETAILS

0 1000 2000 4000 6000mm  
A1 - 1:100

FOR TENDER

CAD FILE: DT8002-01-S-DWG-CI-91-2021.dwg  
AMAYA RUBEN  
DATE PLOTTED: 04 July, 2023 - 4:44pm

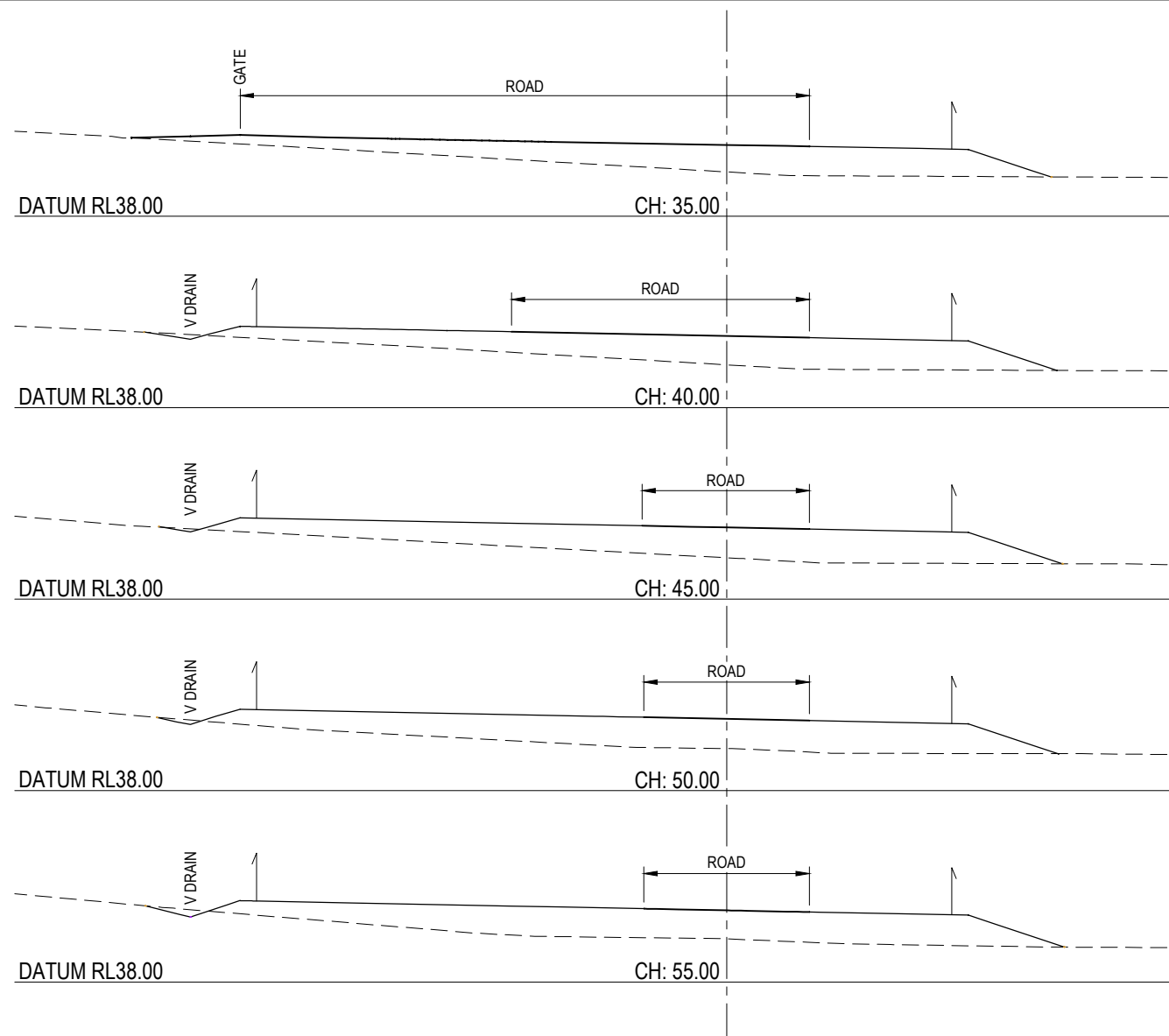
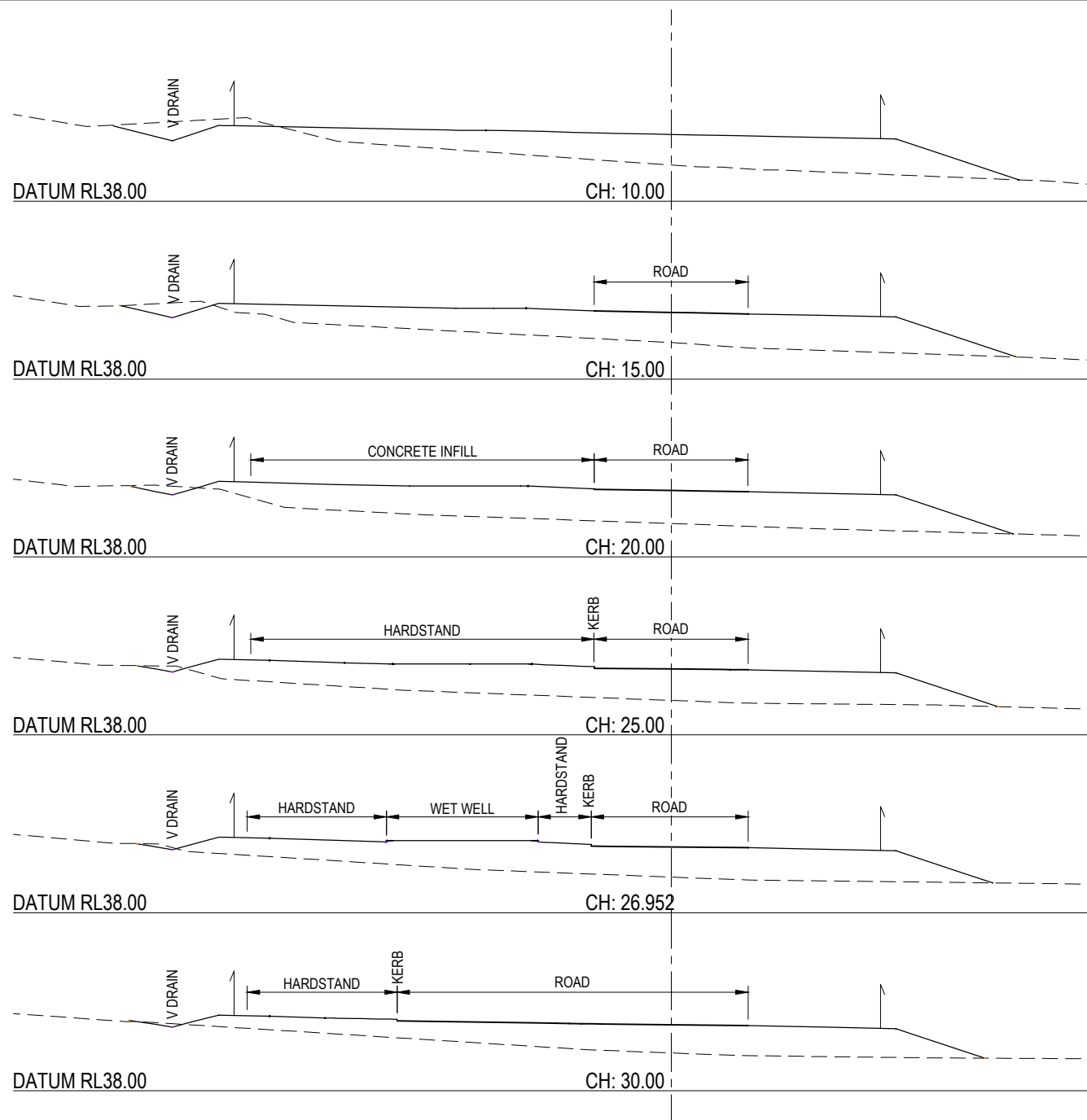
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|-----------------------------------------------------------------------------------------------------------------------------|-------------|-------|----------|-------|------------|
|                                                                                                                             |             |       |          |       |            |
|                                                                                                                             |             |       |          |       |            |
|                                                                                                                             |             |       |          |       |            |
|                                                                                                                             |             |       |          |       |            |
| B                                                                                                                           | FOR TENDER  | RA    | AD       | AD    | 04/07/2023 |
| A                                                                                                                           | FOR TENDER  | RA    | AD       | AD    | 07/06/2023 |
| REV. No.                                                                                                                    | DESCRIPTION | DRAWN | DESIGNER | APPR. | DATE       |

|                              |                                     |                                              |
|------------------------------|-------------------------------------|----------------------------------------------|
| DESIGNED BY<br>A. DOMANTI    | DESIGN CHECKED BY<br>B. LENNOX      | REFERENCES<br>PROJECT No.<br>DT8002-01       |
| DRAFTED BY<br>R. AMAYA       | DRAFTING CHECKED BY<br>F. JESPERSEN | LW FACILITY ID<br>SPS179                     |
| RPEQ APPROVED BY             | RPEQ                                | SHEET SIZE<br>A1                             |
|                              | DATE                                | DO NOT SCALE<br>DATUM : AHD<br>GDA94 ZONE 56 |
| DESIGN MANAGER<br>A. DOMANTI | DATE                                |                                              |



|                                                                                 |  |                                                   |
|---------------------------------------------------------------------------------|--|---------------------------------------------------|
| PROJECT:<br>FLAGSTONE CENTRAL 4 (FC4) SPS AND CONVEYANCE                        |  | PROJECT DRAWING No.<br>DT8002-01-S-DWG-CI-91-2021 |
| DRAWING TITLE:<br>FC4 WASTEWATER PUMP STATION REFERENCE DESIGN<br>PAVEMENT PLAN |  | DESIGN COMPANY.<br>LOGAN WATER                    |
|                                                                                 |  | REV.<br>B                                         |
|                                                                                 |  | ALTERNATE DRAWING NUMBER.                         |

DATE PLOTTED: 04 July, 2023 - 4:48pm  
AMAYA RUBEN  
CAD FILE: DT8002-01-S-DWG-CI-91-2022.dwg



**LEGEND:**

- PROPOSED FINISHED SURFACE LEVEL
- - - EXISTING SURFACE LEVEL

**PLANS AND DOCUMENTS  
referred to in the PDA  
DEVELOPMENT APPROVAL**

Approval no: DEV2023/1459  
Date: 25 JANUARY 2024



0 1000 2000 4000 6000mm  
A1 - 1:100

**FOR TENDER**

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| REV. No. | DESCRIPTION | DRAWN | DESIGNER | APPR. | DATE       |
|----------|-------------|-------|----------|-------|------------|
| B        | FOR TENDER  | RA    | AD       | AD    | 04/07/2023 |
| A        | FOR TENDER  | RA    | AD       | AD    | 07/06/2023 |

|                              |                                     |                                              |
|------------------------------|-------------------------------------|----------------------------------------------|
| DESIGNED BY<br>A. DOMANTI    | DESIGN CHECKED BY<br>B. LENNOX      | REFERENCES<br>PROJECT No.<br>DT8002-01       |
| DRAFTED BY<br>R. AMAYA       | DRAFTING CHECKED BY<br>F. JESPERSEN | LW FACILITY ID<br>SPS179                     |
| RPEQ APPROVED BY             | RPEQ                                | SHEET SIZE<br>A1                             |
| DATE                         | DATE                                | DO NOT SCALE<br>DATUM : AHD<br>GDA94 ZONE 56 |
| DESIGN MANAGER<br>A. DOMANTI | DATE                                |                                              |



PROJECT: **FLAGSTONE CENTRAL 4 (FC4) SPS AND CONVEYANCE**

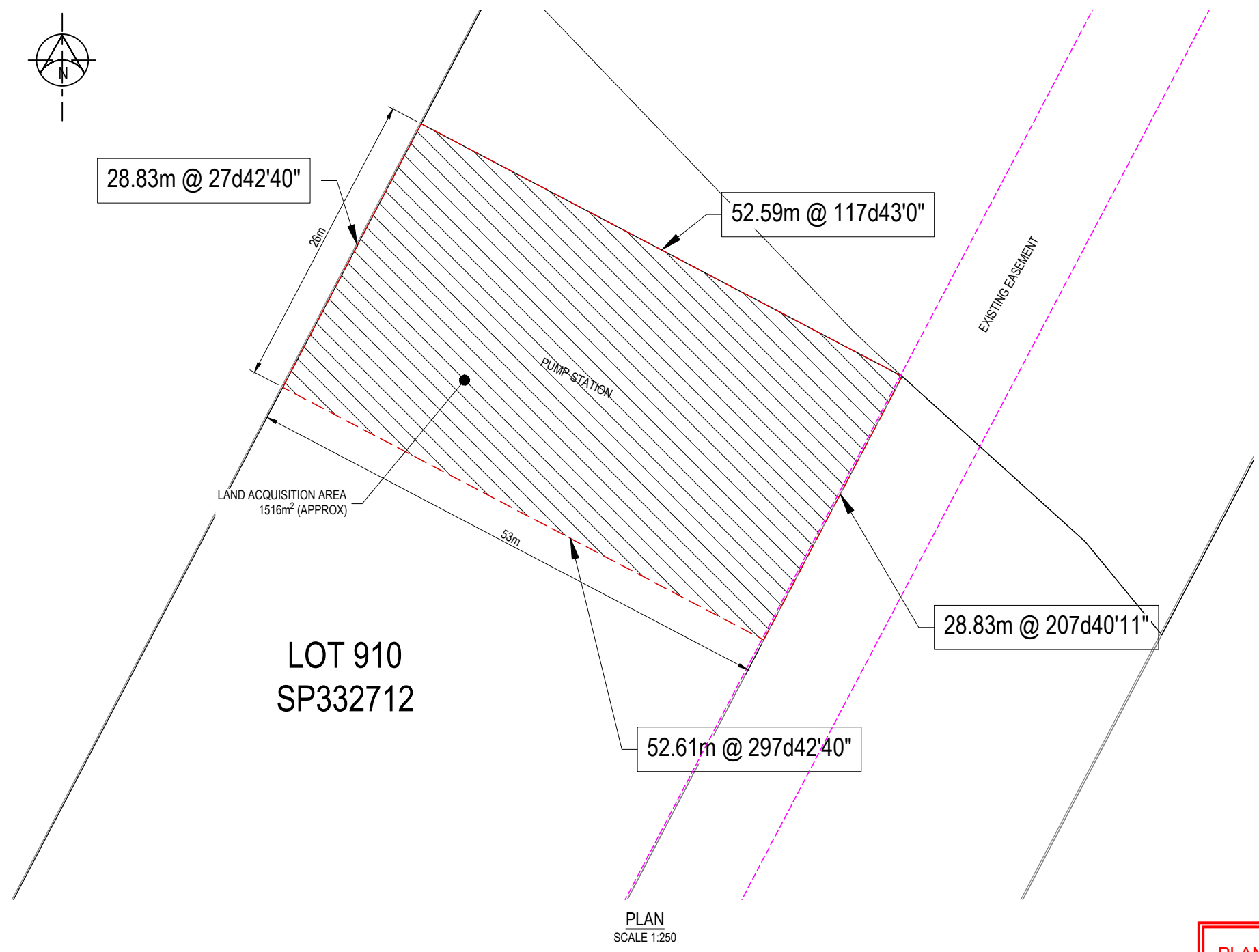
DRAWING TITLE:  
**FC4 WASTEWATER PUMP STATION REFERENCE DESIGN  
SITE SECTIONS**

PROJECT DRAWING No.  
**DT8002-01-S-DWG-CI-91-2022**

|                                       |                  |
|---------------------------------------|------------------|
| DESIGN COMPANY.<br><b>LOGAN WATER</b> | REV.<br><b>B</b> |
| ALTERNATE DRAWING NUMBER.             |                  |

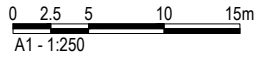
LEGEND:

PROPOSED LAND ACQUISITION  
LOT 910 SP332712  
AREA = 1365m<sup>2</sup> (APPROX)



PLANS AND DOCUMENTS  
referred to in the PDA  
DEVELOPMENT APPROVAL

Approval no: DEV2023/1459  
Date: 25 JANUARY 2024



FOR INFORMATION

CAD FILE: DT8002-01-S-DWG-SU-91-7301.dwg  
DATE PLOTTED: 10 August 2023 - 11:11am  
BAILEY, JORDAN

BAILEY

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DATE PLOTTED: 10 August, 2023 - 11:11am

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