

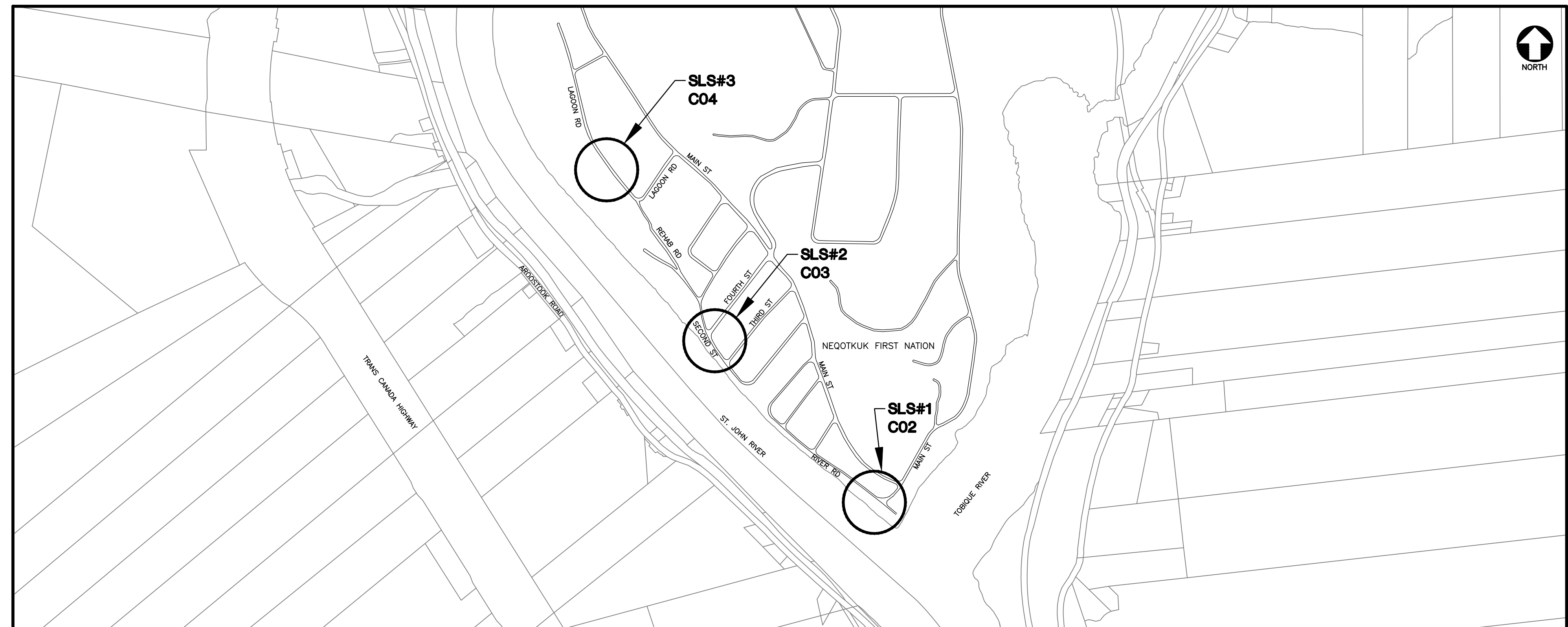
AFNWA Project No. F-24-NQ-07



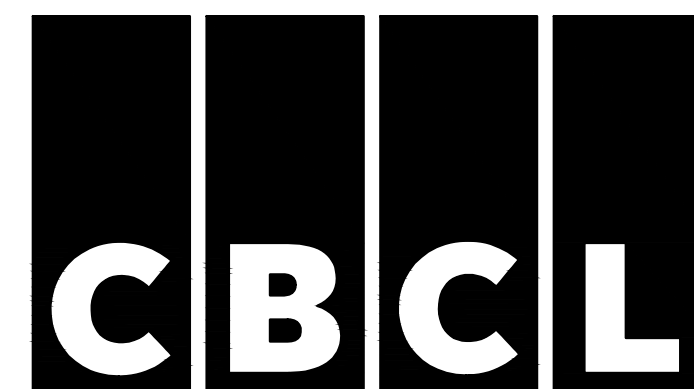
# ATLANTIC FIRST NATIONS WATER AUTHORITY INC.

# NEQOTKUK FIRST NATIONS WASTEWATER LIFT STATIONS RENEWAL PROJECT

| <u>SHEET</u> | <u>DRAWING TITLE</u>                    |
|--------------|-----------------------------------------|
| COVER SHEET  |                                         |
| 000          | COVER SHEET                             |
| CIVL         |                                         |
|              | OVERALL SITE PLAN                       |
| C01          | SEWAGE LIFT STATION #1                  |
|              | SEWAGE LIFT STATION #2                  |
|              | SEWAGE LIFT STATION #3                  |
| C02          | SEWAGE LIFT STATION #1                  |
|              | EXISTING CONDITIONS AND PROPOSED LAYOUT |
| C03          | SEWAGE LIFT STATION #1                  |
|              | WET-WELL PLAN & SECTION                 |
| C04          | SEWAGE LIFT STATION #1                  |
|              | SITE GRADING AND FINISHING PLAN         |
| C05          | SEWAGE LIFT STATION #2                  |
|              | EXISTING CONDITIONS AND PROPOSED LAYOUT |
| C06          | SEWAGE LIFT STATION #2                  |
|              | WET-WELL PLAN & SECTION                 |
| C07          | SEWAGE LIFT STATION #2                  |
|              | SITE GRADING AND FINISHING PLAN         |
| C08          | SEWAGE LIFT STATION #3                  |
|              | EXISTING CONDITIONS AND PROPOSED LAYOUT |
| C09          | SEWAGE LIFT STATION #3                  |
|              | WET-WELL PLAN & SECTION                 |
| C10          | SEWAGE LIFT STATION #3                  |
|              | SITE GRADING AND FINISHING PLAN         |
| C11          | CIVIL DETAILS                           |
| S01          | STRUCTURAL FOUNDATION                   |
|              | PLAN, SECTIONS, DETAILS & NOTES         |
| ELECTRICAL   |                                         |
| E01          | LEGEND AND OVERALL SITE PLAN            |
|              | WASTEWATER LIFT STATION 1, 2, & 3       |
| E02          | WASTEWATER LIFT STATION #1              |
|              | EXISTING CONDITIONS AND PROPOSED LAYOUT |
| E03          | WASTEWATER LIFT STATION #2              |
|              | EXISTING CONDITIONS AND PROPOSED LAYOUT |
| E04          | WASTEWATER LIFT STATION #3              |
|              | EXISTING CONDITIONS AND PROPOSED LAYOUT |
| E05          | ENLARGED SITE PLANS                     |
|              | ELEVATION AND DETAIL                    |
|              | WASTEWATER LIFT STATION #1              |
| E06          | ENLARGED SITE PLANS                     |
|              | ELEVATION AND DETAIL                    |
|              | WASTEWATER LIFT STATION #2              |
| E07          | ENLARGED SITE PLANS                     |
|              | ELEVATION AND DETAIL                    |
|              | WASTEWATER LIFT STATION #3              |
| E08          | ELECTRICAL DETAILS 1 OF 3               |
| E09          | ELECTRICAL DETAILS 2 OF 3               |
| E10          | ELECTRICAL DETAILS 3 OF 3               |



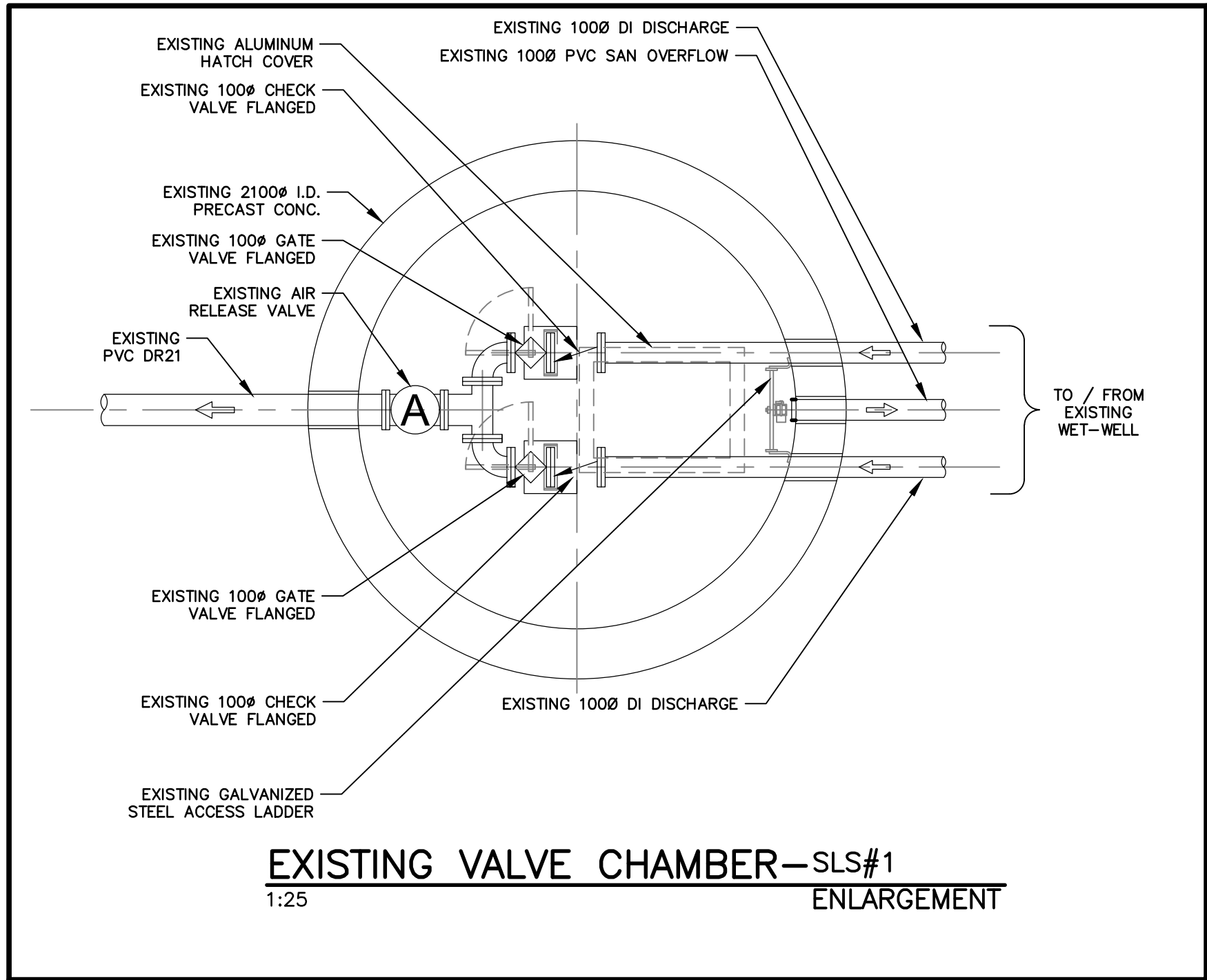
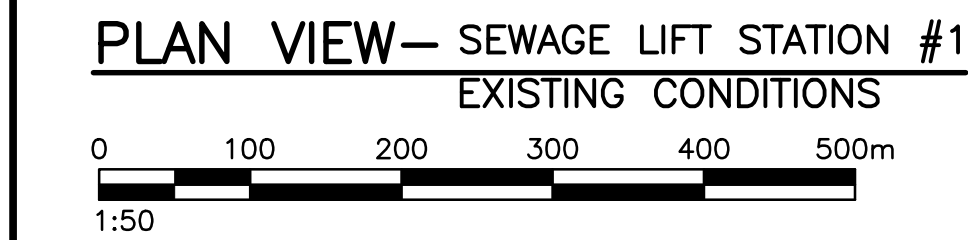
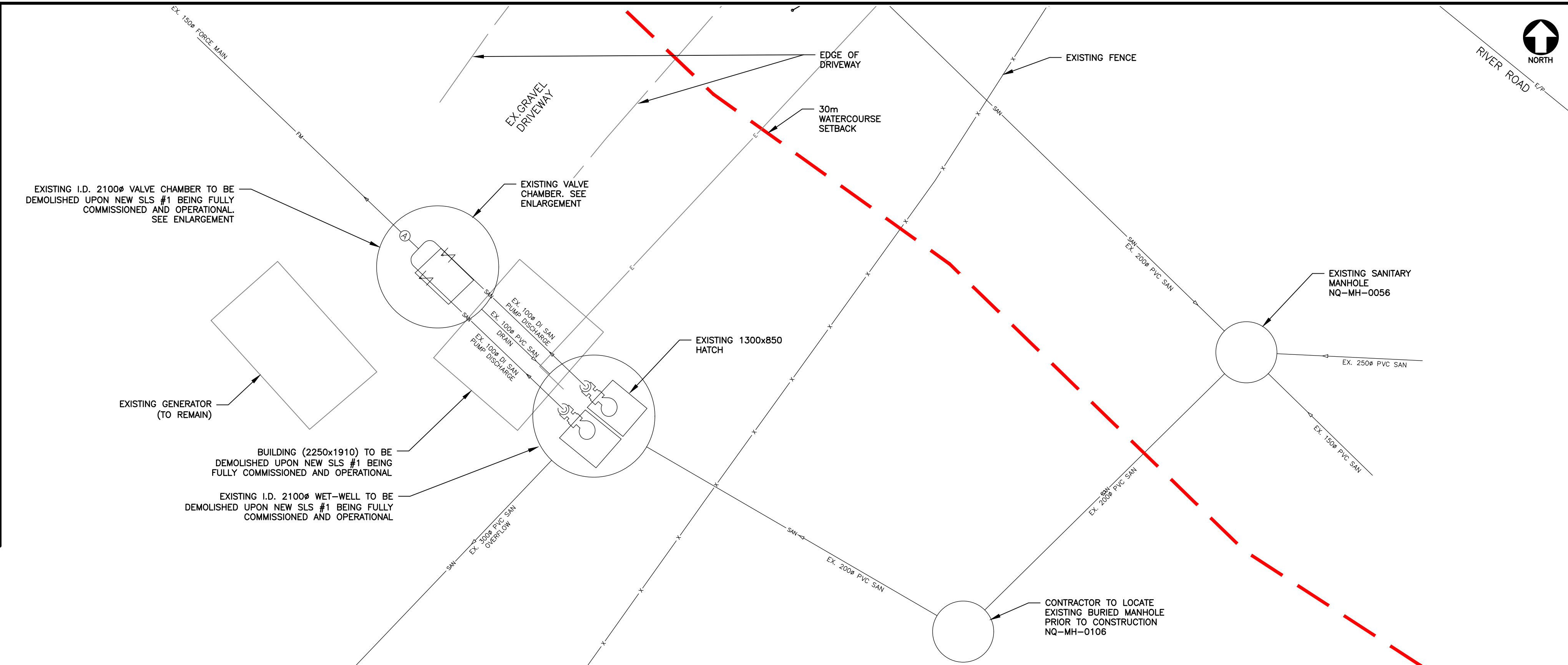
**KEY PLAN**  
1:10,000m



ISSUED FOR  
TENDER

OCT 15, 2026

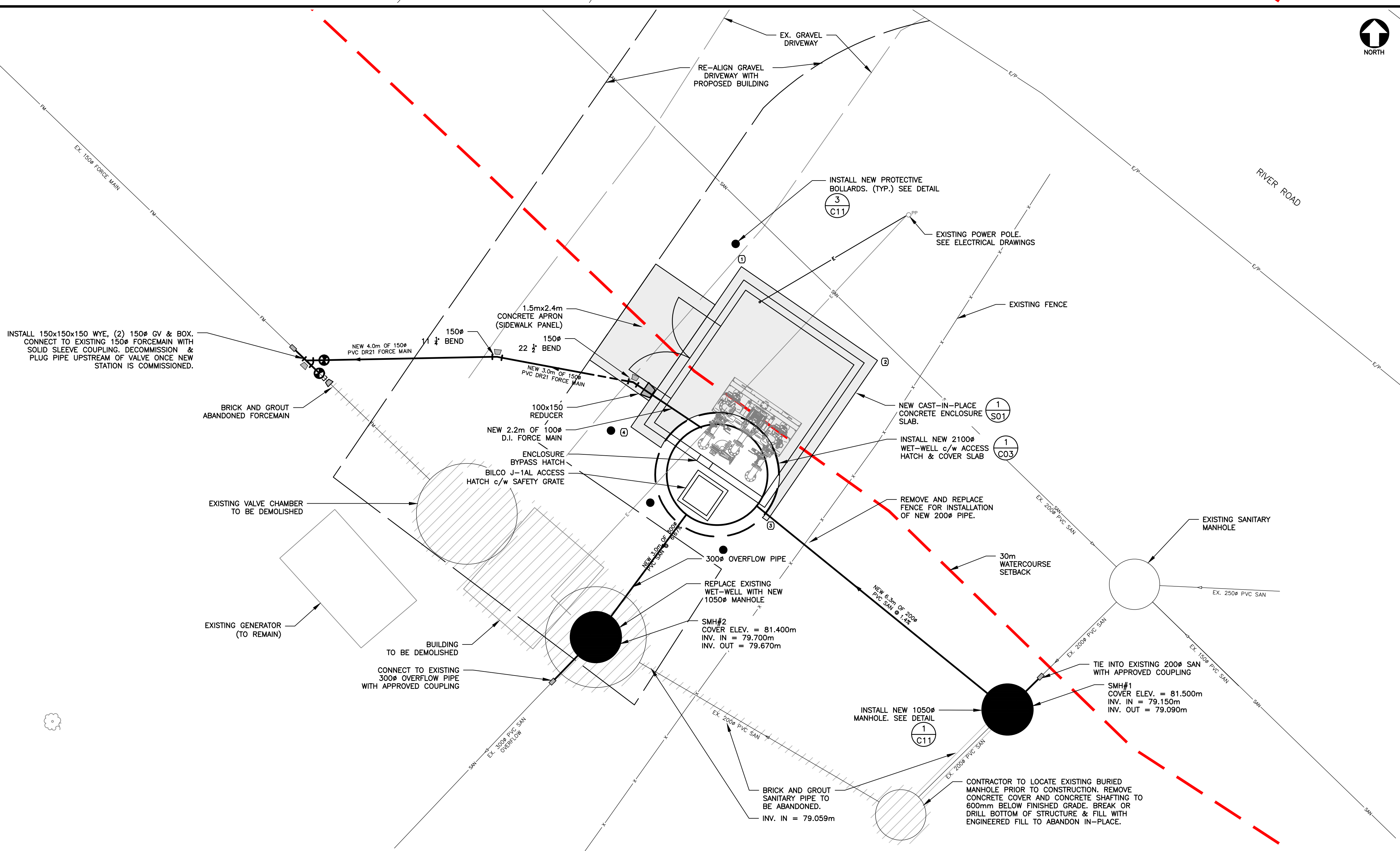
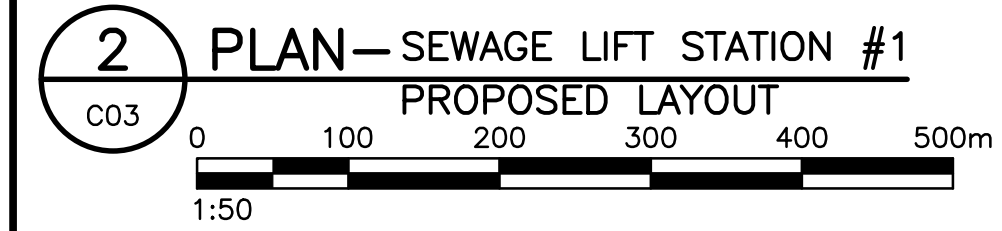




| STRUCTURE TABLE |             |             |         |
|-----------------|-------------|-------------|---------|
| NAME            | NORTHING    | EASTING     | ELEV.   |
| SLS#1           | 7530567.638 | 2407940.127 | 81.600m |
| SMH#1           | 7530562.742 | 2407946.180 | 81.500m |
| SMH#2           | 7530564.252 | 2407937.597 | 81.400m |

| SLAB COORDINATE TABLE |             |             |         |
|-----------------------|-------------|-------------|---------|
| NAME                  | NORTHING    | EASTING     | ELEV.   |
| SLS#1-1               | 7530571.975 | 2407940.632 | 81.600m |
| SLS#1-2               | 7530570.018 | 2407943.471 | 81.600m |
| SLS#1-3               | 7530566.677 | 2407941.169 | 81.600m |
| SLS#1-4               | 7530568.633 | 2407938.330 | 81.600m |

INSTALL 150x150x150 WYE, (2) 150# GV & BOX. CONNECT TO EXISTING 150# FORCEMAIN WITH SOLID SLEEVE COUPLING. DECOMMISSION & PLUG PIPE UPSTREAM OF VALVE ONCE NEW STATION IS COMMISSIONED.



**NOTES:**

- ALL DIMENSIONS ARE IN MILLIMETRES.
- THE HORIZONTAL DATUM UTILIZED IS NAD83 (CGRS) NEW BRUNSWICK DOUBLE STEREOGRAPHIC PROJECTION.
- ALL ELEVATIONS ARE IN GEODETIC METRES AND REFERENCED TO THE CANADIAN GEODETIC VERTICAL DATUM OF 1928 (CGVD28).
- ALL CHAINAGES ARE IN METRES.
- LOCATION OF EXISTING SERVICES, STRUCTURES AND BUILDINGS APPROXIMATE ONLY.
- CONTRACTOR TO ENSURE THAT ALL MUNICIPAL INFRASTRUCTURE, PUBLIC UTILITIES, NATURAL GAS AND OTHER INFRASTRUCTURE ARE LOCATED IN THE FIELD PRIOR TO START OF EXCAVATION.
- ALL FIELD SURVEY INFORMATION PROVIDED BY CBCL LIMITED.
- SANITARY MANHOLES TO BE 1050# UNLESS OTHERWISE NOTED.
- ALL MANHOLES TO HAVE MINIMUM 100mm RISER BETWEEN FRAME & CONCRETE COVER. TOP RISER TO BE MADE OF RUBBER.
- ALL FORCEMAIN LINES LESS THAN 1.8m COVER TO BE INSULATED WITH 50mm THICK RIGID "STYROFOAM SM" BOARD.
- ALL FORCEMAIN AND SANITARY STUBS TO BE PLUGGED /CAPPED & FORCEMAIN FITTINGS TO BE RESTRAINED. LOCATION TO BE MARKED WITH A 38x89 STUD FROM INVERT OF PIPE TO 300mm BELOW FINISH GRADE.

**LEGEND:**

| PROPOSED | EXISTING |
|----------|----------|
|          |          |
|          |          |
|          |          |
|          |          |
|          |          |
|          |          |
|          |          |
|          |          |
|          |          |
|          |          |
|          |          |
|          |          |
|          |          |
|          |          |

|     |                   |           |     |
|-----|-------------------|-----------|-----|
| 0   | ISSUED FOR TENDER | OCT 15/26 | TMc |
| No. | Description       | Date      | By  |

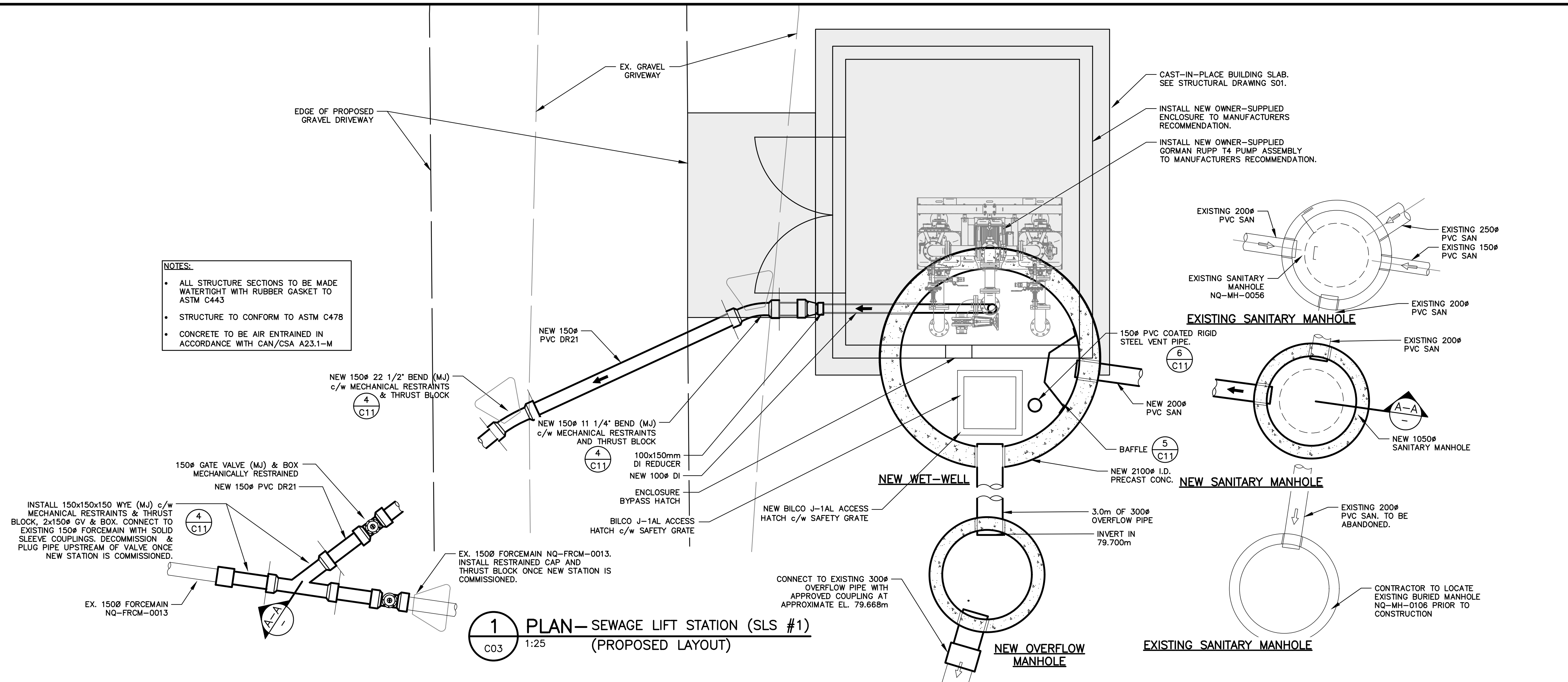
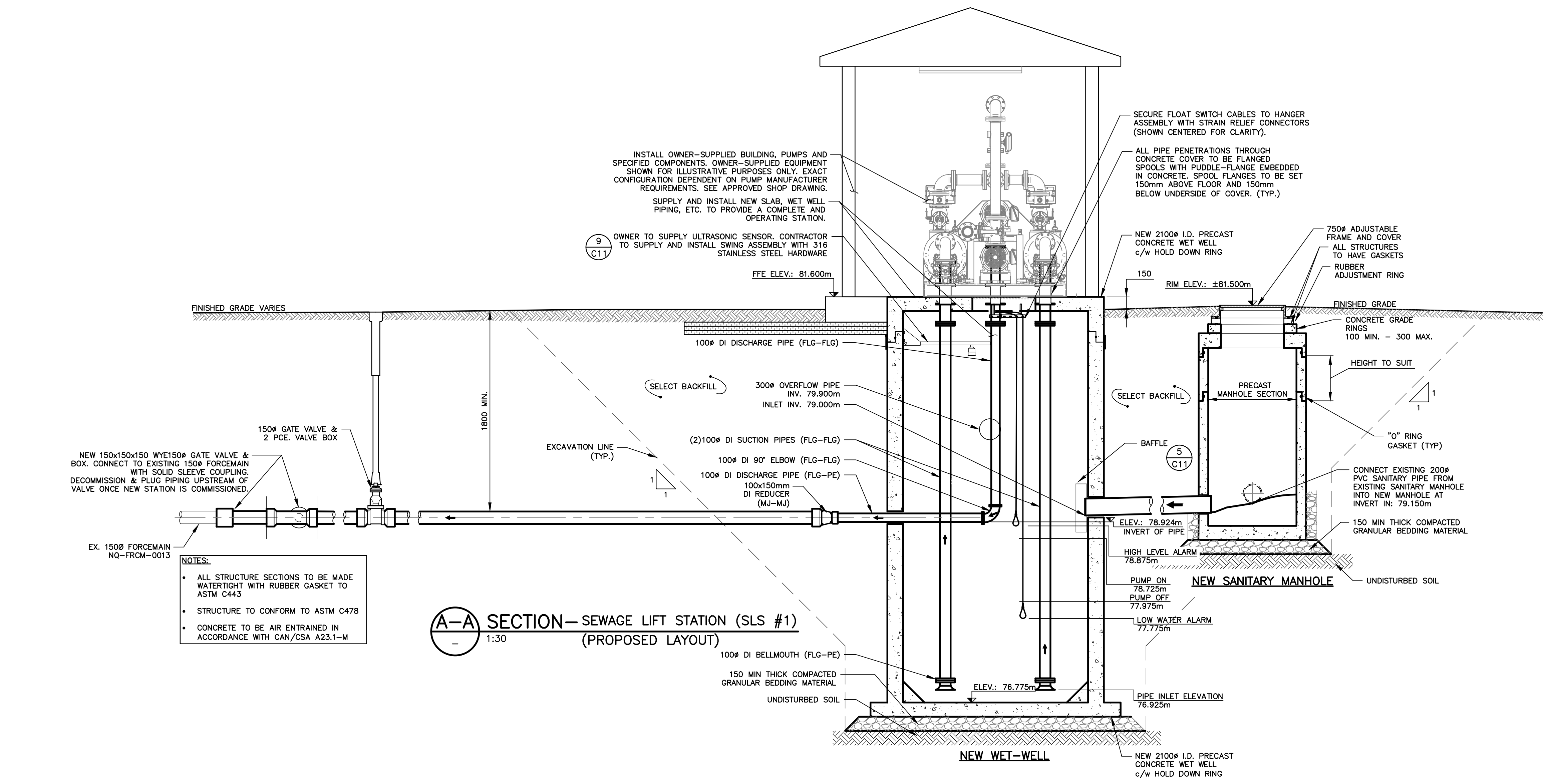
**ATLANTIC FIRST NATIONS WATER AUTHORITY INC.**

**NEQOTKUK FIRST NATIONS WASTEWATER LIFT STATIONS RENEWAL PROJECT**

**CIVIL**

**SEWAGE LIFT STATION #1 EXISTING CONDITIONS AND PROPOSED LAYOUT**

|  |                                                                                                                                      |                                                                        |
|--|--------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|
|  | CBCL No. 252912.00<br>Date OCT. 2025<br>Scale AS NOTED<br>Designed TMc<br>Checked JVB<br>Sheet No. 2 of 22<br>Drawing No. <b>C02</b> | Contract No. F-24-NQ-07<br>Scale AS NOTED<br>Drawn VMB<br>Approved TMc |
|--|--------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|



- NOTES:
- ALL DIMENSIONS ARE IN MILLIMETRES.
  - THE HORIZONTAL DATUM UTILIZED IS NAD83 (CPRS) NEW BRUNSWICK DOUBLE STEREOGRAPHIC PROJECTION
  - ALL ELEVATIONS ARE IN GEODETIC METRES AND REFERENCED TO THE CANADIAN GEODETIC VERTICAL DATUM OF 1928 (CGVD28)
  - ALL CHAINAGES ARE IN METRES.
  - LOCATION OF EXISTING SERVICES, STRUCTURES AND BUILDINGS APPROXIMATE ONLY.
  - CONTRACTOR TO ENSURE THAT ALL MUNICIPAL INFRASTRUCTURE, PUBLIC UTILITIES, NATURAL GAS AND OTHER INFRASTRUCTURE ARE LOCATED IN THE FIELD PRIOR TO START OF EXCAVATION.
  - ALL FIELD SURVEY INFORMATION PROVIDED BY CBCL LIMITED.
  - TYPICAL TRENCH DETAIL, PIPE INSTALLATION, FITTINGS & STRUCTURES, ETC. REFER TO CITY, TOWN OR VILLAGE SPECIFICATIONS FOR DEVELOPERS.
  - SANITARY MANHOLES TO BE 1050# UNLESS OTHERWISE NOTED.
  - ALL MANHOLES TO HAVE MINIMUM 100mm RISER BETWEEN FRAME & CONCRETE COVER. TOP RISER TO BE MADE OF RUBBER.
  - ALL FORCEMAIN LINES LESS THAN 1.8m COVER TO BE INSULATED WITH 50mm THICK RIGID "STYROFOAM SM" BOARD.
  - ALL FORCEMAIN AND SANITARY STUBS TO BE PLUGGED /CAPPED & FORCEMAIN FITTINGS TO BE RESTRAINED. LOCATION TO BE MARKED WITH A 38x89 STUD FROM INVERT OF PIPE TO 300mm BELOW FINISH GRADE

|     |                   |           |     |
|-----|-------------------|-----------|-----|
| 0   | ISSUED FOR TENDER | OCT 15/26 | TMc |
| No. | Description       | Date      | By  |

Revision or Issue



NEQOTKUK FIRST NATIONS  
WASTEWATER LIFT STATIONS  
RENEWAL PROJECT

CIVIL

SEWAGE LIFT STATION #1  
WET-WELL PLAN & SECTION



|                           |                            |
|---------------------------|----------------------------|
| CBCL No.<br>252912.00     | Contract No.<br>F-24-NQ-07 |
| Date<br>OCT. 2025         | Scale<br>AS NOTED          |
| Designed<br>TMc           | Drawn<br>VMB               |
| Checked<br>JVB            | Approved<br>TMc            |
| Sheet No.<br>3            | of 22                      |
| Drawing No.<br><b>C03</b> |                            |

Professional Engineer  
#M5781  
Timothy McCuskey  
Signature  
14 OCT 2025  
Date  
Ingénieur Inmatriculé



2. ALL DIMENSIONS ARE IN MILLIMETRES.
3. THE HORIZONTAL DATUM UTILIZED IS NAD83 (CPRS) NEW BRUNSWICK DOUBLE STEREOGRAPHIC PROJECTION.
4. ALL ELEVATIONS ARE IN GEOIDETIC METRES AND REFERENCED TO THE CANADIAN GEOIDETIC VERTICAL DATUM OF 1928 (CGVD28).
5. ALL CHANGES ARE IN METRES.
6. LOCATION OF EXISTING SERVICES, STRUCTURES AND BUILDINGS APPROXIMATE ONLY.
7. CONTRACTOR TO ENSURE THAT ALL MUNICIPAL INFRASTRUCTURE, PUBLIC UTILITIES, NATURAL GAS AND OTHER INFRASTRUCTURES ARE LOCATED IN THE FIELD PRIOR TO START OF EXCAVATION.
8. FIELD SURVEY INFORMATION PROVIDED BY CBCL LIMITED.
9. TYPICAL TRENCH DETAIL, PIPE INSTALLATION, FITTINGS & STRUCTURES, ETC. REFER TO CITY, TOWN OR VILLAGE SPECIFICATIONS.
10. SANITARY MANHOLES TO BE 1500mm UNLESS OTHERWISE NOTED.
11. ALL MANHOLES TO HAVE MINIMUM 100mm RISER BETWEEN PAVEMENT & CONCRETE COVER. TOP RISER TO BE MADE OF RUBBER.
12. ALL FOREMAN LINES LESS THAN 1.8m COVER TO BE INSULATED WITH 50mm THICK RIGID "STYROFOAM" SHEET BOARD.
13. ALL FORECROWN AND SANITARY STUDS TO BE PLUGGED /CAAPPED & FORECROWN FITTINGS TO BE RESTRAINED. LOCATION TO BE MARKED WITH A 30x60 STUD FROM INVERT OF PIPE TO 300mm ABOVE FINISH.

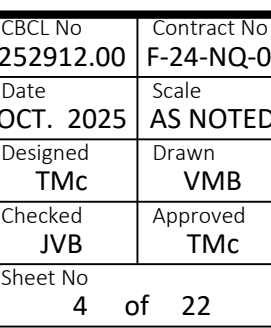
**PROPOSED**

|                                                                                                                                                                                                                                                             |                                     |                                                                                                                                                                                                                                                             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                          | SANITARY MANHOLE (SMH)              |                                                                                                                                                                          |
|                                                                                                                                                                                                                                                             | SANITARY SEWER                      | SM                                                                                                                                                                                                                                                          |
|                                                                                                                                                                                                                                                             | SANITARY FORCE MAIN                 | SN                                                                                                                                                                                                                                                          |
|                                                                                                                                                                          | ISOLATION VALVE<br>(BUTTERFLY GATE) |                                                                                                                                                                          |
| ____ P/L                                                                                                                                                                                                                                                    | PROPERTY LINE                       | ____ P/L                                                                                                                                                                                                                                                    |
| ____ E/P                                                                                                                                                                                                                                                    | EDGE OF PAVEMENT                    | ____ E/P                                                                                                                                                                                                                                                    |
| ____ G/R                                                                                                                                                                                                                                                    | ROAD SHOULDER                       | ____ G/R                                                                                                                                                                                                                                                    |
| ____ X                                                                                                                                                                                                                                                      | GUIDE RAIL                          | ____ X                                                                                                                                                                                                                                                      |
| ____ H                                                                                                                                                                                                                                                      | FENCE                               | ____ H                                                                                                                                                                                                                                                      |
| ____ O/H                                                                                                                                                                                                                                                    | OVERHEAD UTILITIES                  | ____ O/H                                                                                                                                                                                                                                                    |
|                                                                                                                                                                          | UNDERGROUND ELECTRICAL              |                                                                                                                                                                          |
|                                                                                                                                                                          | ELECTRICAL / TELEPHONE MANHOLE      |                                                                                                                                                                          |
|    | POWER, UTILITY, GUY POLES           |    |
|                                                                                                                                                                                                                                                             | BENCH MARK                          |                                                                                                                                                                          |
| + ###                                                                                                                                                                                                                                                       | GRADE                               | + ###                                                                                                                                                                                                                                                       |

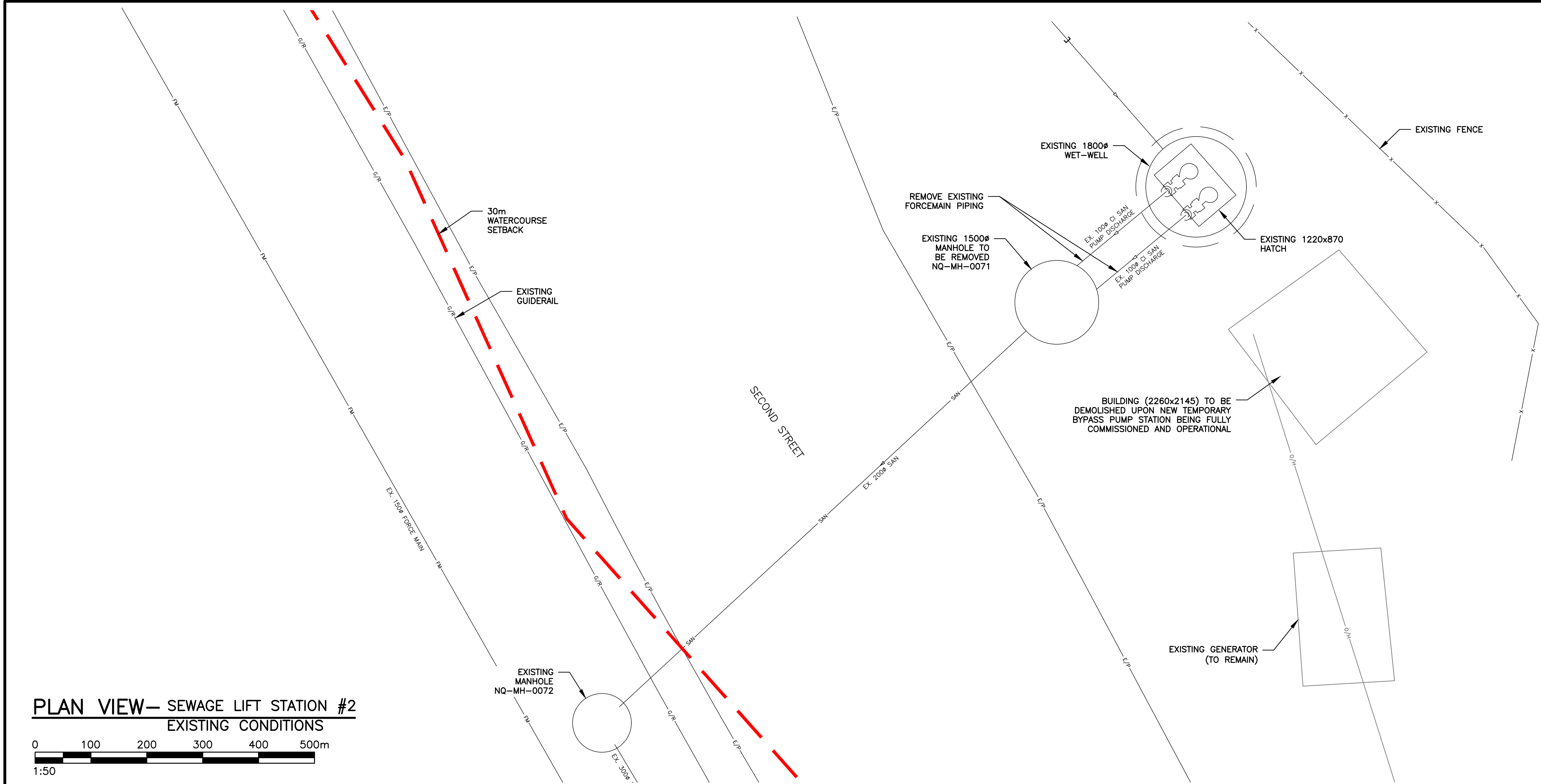
Revision or Issue

## CIVIL

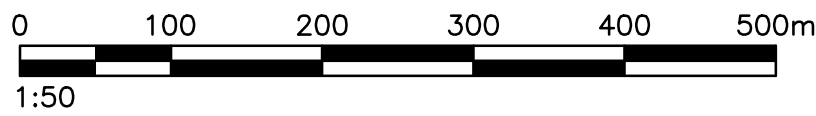
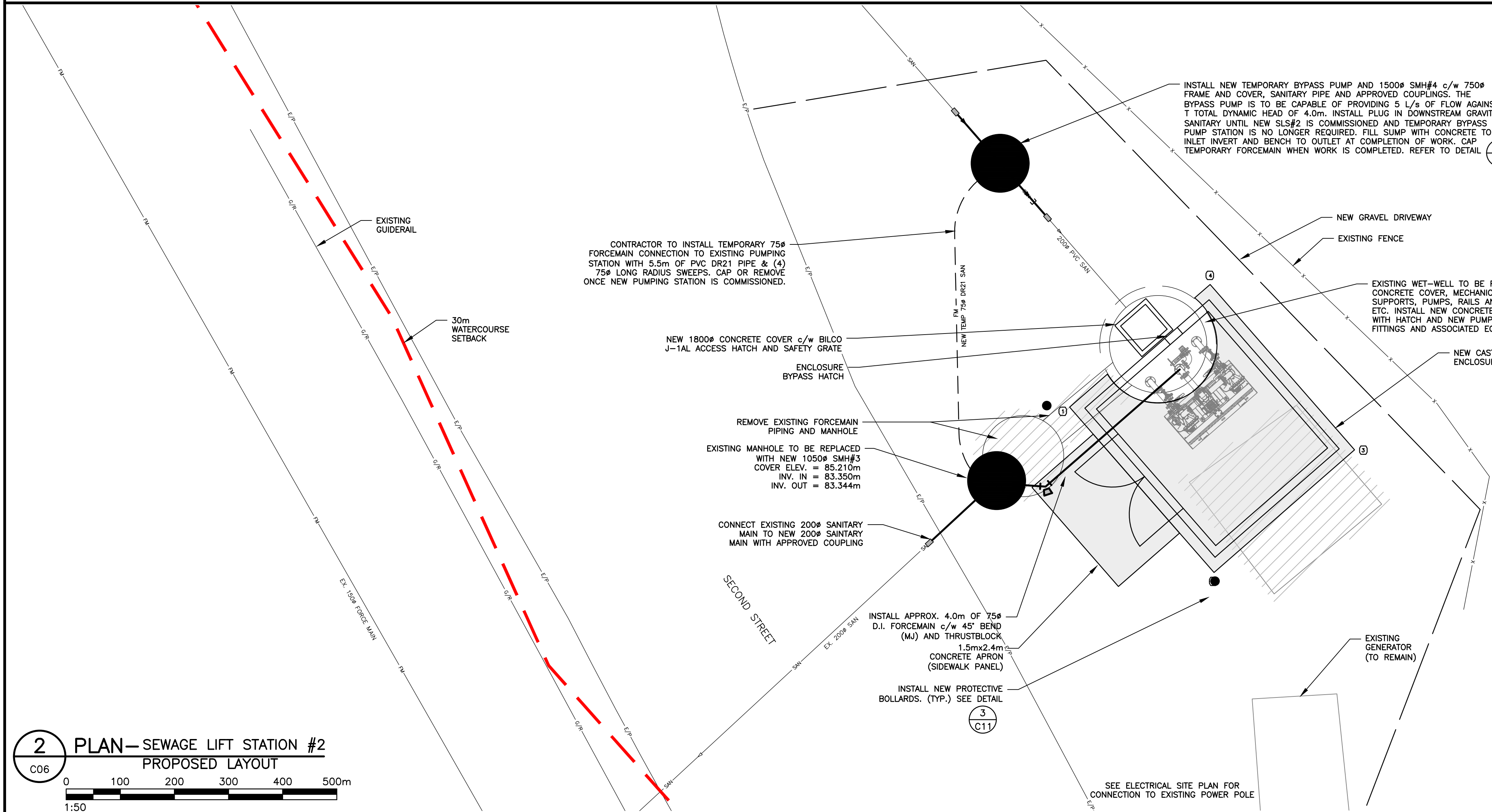
**C B C L**



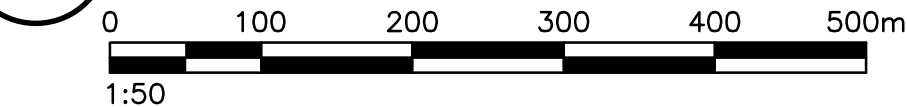
# C04



PLAN VIEW— SEWAGE LIFT STATION #2  
EXISTING CONDITIONS



2 PLAN—SEWAGE LIFT STATION #2  
PROPOSED LAYOUT



| STRUCTURE TABLE |             |             |         |
|-----------------|-------------|-------------|---------|
| NAME            | NORTHING    | EASTING     | ELEV.   |
| SLS#2           | 7531112.149 | 2407396.772 | 85.170m |
| SMH#3           | 7531109.628 | 2407393.788 | 85.210m |
| SMH#4           | 7531115.492 | 2407393.853 | 85.170m |

| SLAB COORDINATE TABLE |             |             |         |
|-----------------------|-------------|-------------|---------|
| NAME                  | NORTHING    | EASTING     | ELEV.   |
| SLS#2-1               | 7531110.986 | 2407395.137 | 85.170m |
| SLS#2-2               | 7531107.929 | 2407397.806 | 85.170m |
| SLS#2-3               | 7531110.197 | 2407400.403 | 85.170m |
| SLS#2-4               | 7531113.254 | 2407397.734 | 85.170m |

- NOTES:
- ALL DIMENSIONS ARE IN MILLIMETRES.
  - THE HORIZONTAL DATUM UTILIZED IS NAD83 (CGRS) NEW BRUNSWICK DOUBLE STEREOGRAPHIC PROJECTION.
  - ALL ELEVATIONS ARE IN GEODETIC METRES AND REFERENCED TO THE CANADIAN GEODETIC VERTICAL DATUM OF 1928 (CGVD28).
  - ALL CHAINAGES ARE IN METRES.
  - LOCATION OF EXISTING SERVICES, STRUCTURES AND BUILDINGS APPROXIMATE ONLY.
  - CONTRACTOR TO ENSURE THAT ALL MUNICIPAL INFRASTRUCTURE, PUBLIC UTILITIES, NATURAL GAS AND OTHER INFRASTRUCTURE ARE LOCATED IN THE FIELD PRIOR TO START OF EXCAVATION.
  - ALL FIELD SURVEY INFORMATION PROVIDED BY CBCL LIMITED.
  - TYPICAL TRENCH DETAIL, PIPE INSTALLATION, FITTINGS & STRUCTURES, ETC. REFER TO CITY, TOWN OR VILLAGE SPECIFICATIONS FOR DEVELOPERS.
  - SANITARY MANHOLES TO BE 1050# UNLESS OTHERWISE NOTED.
  - ALL MANHOLES TO HAVE MINIMUM 100mm RISER BETWEEN FRAME & CONCRETE COVER. TOP RISER TO BE MADE OF RUBBER.
  - ALL FORCEMAIN LINES LESS THAN 1.8m COVER TO BE INSULATED WITH 50mm THICK RIGID "STYROFOAM SM" BOARD.
  - ALL FORCEMAIN AND SANITARY STUBS TO BE PLUGGED /CAPPED & FORCEMAIN FITTINGS TO BE RESTRAINED. LOCATION TO BE MARKED WITH A 38x89 STUD FROM INVERT OF PIPE TO 300mm BELOW FINISH GRADE.

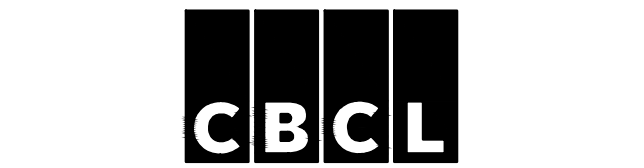
| LEGEND:  |          |
|----------|----------|
| PROPOSED | EXISTING |
|          |          |
|          |          |
|          |          |
|          |          |
|          |          |
|          |          |
|          |          |
|          |          |
|          |          |
|          |          |
|          |          |
|          |          |
|          |          |
|          |          |

| Revision or Issue |                   |           |     |
|-------------------|-------------------|-----------|-----|
| No.               | Description       | Date      | By  |
| 0                 | ISSUED FOR TENDER | OCT 15/26 | TMc |

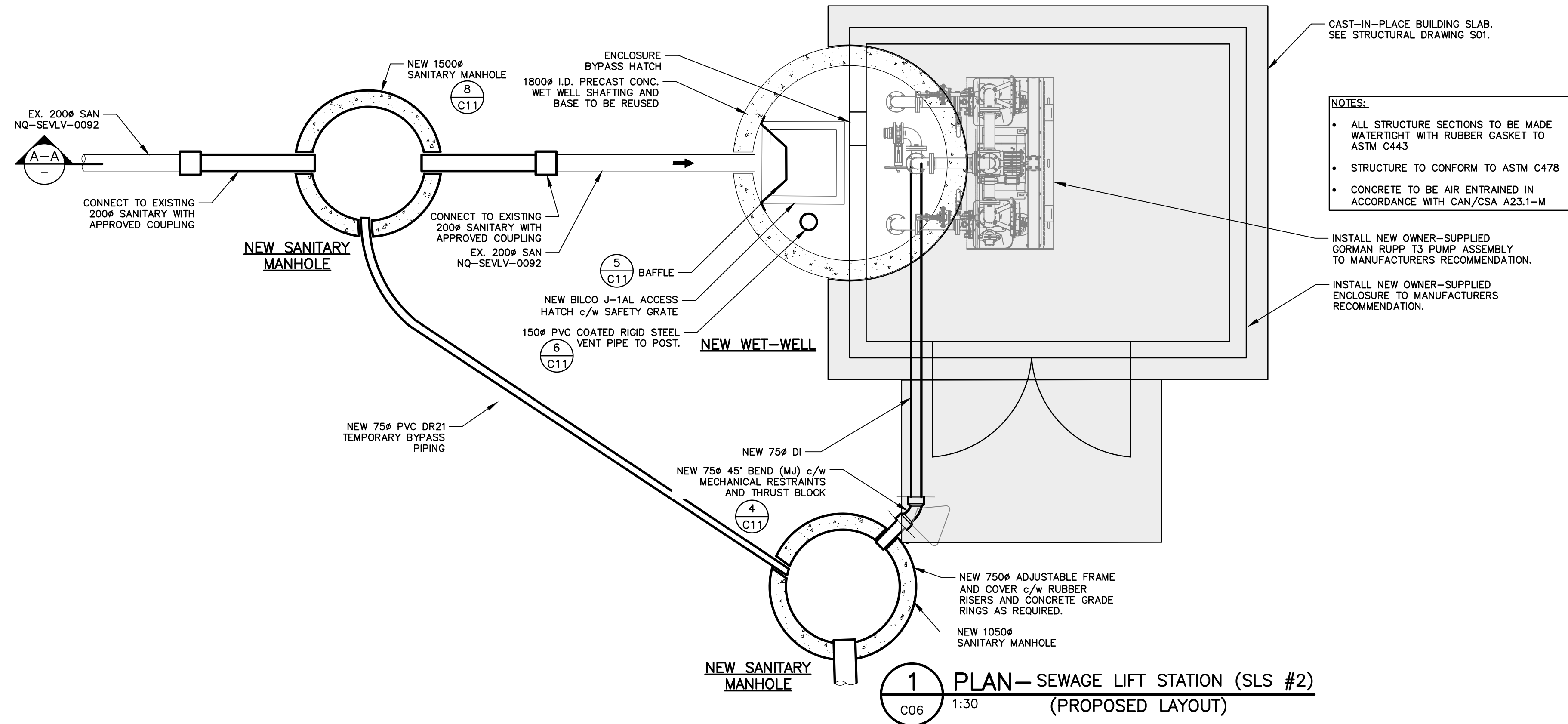
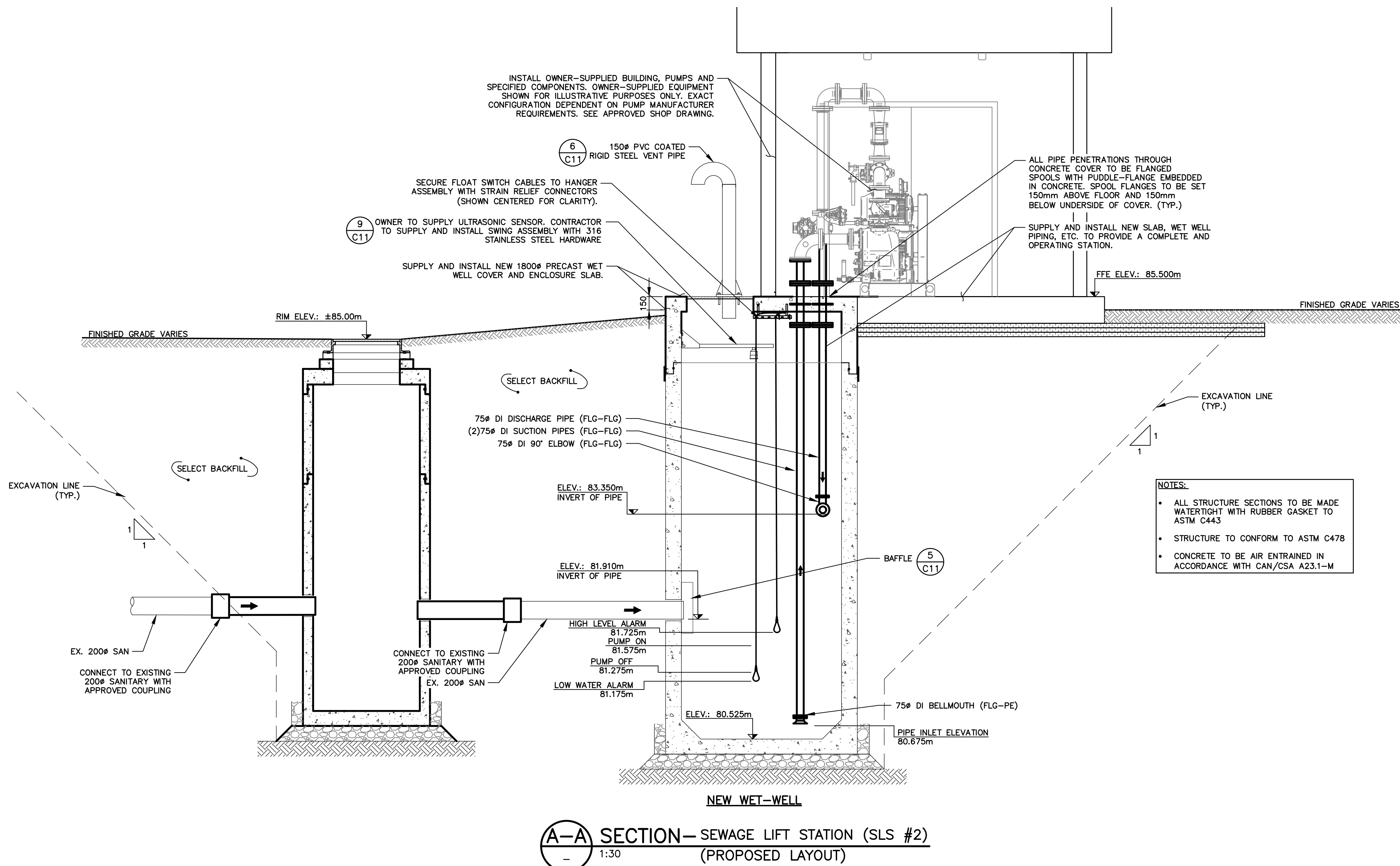


NEQOTKUK FIRST NATIONS  
WASTEWATER LIFT STATIONS  
RENEWAL PROJECT

CIVIL  
SEWAGE LIFT STATION #2  
EXISTING CONDITIONS AND  
PROPOSED LAYOUT



|                   |                      |                           |
|-------------------|----------------------|---------------------------|
|                   | CBCL No<br>252912.00 | Contract No<br>F-24-NQ-07 |
|                   | Date<br>OCT. 2025    | Scale<br>AS NOTED         |
| Designed<br>TMc   | Drawn<br>VMB         |                           |
| Checked<br>JVB    | Approved<br>TMc      |                           |
| Sheet No<br>5     | of<br>22             |                           |
| Drawing No<br>C05 |                      |                           |



#### NOTES:

- ALL DIMENSIONS ARE IN MILLIMETRES.
- THE HORIZONTAL DATUM UTILIZED IS NAD83 (CPRS) NEW BRUNSWICK DOUBLE STEREOGRAPHIC PROJECTION
- ALL ELEVATIONS ARE IN GEODETIC METRES AND REFERENCED TO THE CANADIAN GEODETIC VERTICAL DATUM OF 1928 (CGVD28)
- ALL CHAINAGES ARE IN METRES.
- LOCATION OF EXISTING SERVICES, STRUCTURES AND BUILDINGS APPROXIMATE ONLY.
- CONTRACTOR TO ENSURE THAT ALL MUNICIPAL INFRASTRUCTURE, PUBLIC UTILITIES, NATURAL GAS AND OTHER INFRASTRUCTURE ARE LOCATED IN THE FIELD PRIOR TO START OF EXCAVATION.
- ALL FIELD SURVEY INFORMATION PROVIDED BY CBCL LIMITED.
- TYPICAL TRENCH DETAIL, PIPE INSTALLATION, FITTINGS & STRUCTURES, ETC. REFER TO CITY, TOWN OR VILLAGE SPECIFICATIONS FOR DEVELOPERS.
- ALL MANHOLES TO BE 1050# UNLESS OTHERWISE NOTED.
- ALL FORCEMAIN LINES LESS THAN 1.8m COVER TO BE INSULATED WITH 50mm THICK RIGID "STYROFOAM SM" BOARD.
- ALL FORCEMAIN AND SANITARY STUBS TO BE PLUGGED /CAPPED & FORCEMAIN FITTINGS TO BE RESTRAINED. LOCATION TO BE MARKED WITH A 38x89 STUD FROM INVERT OF PIPE TO 300mm BELOW FINISH GRADE

|     |                   |           |     |
|-----|-------------------|-----------|-----|
| 0   | ISSUED FOR TENDER | OCT 15/26 | TMc |
| No. | Description       | Date      | By  |

#### Revision or Issue



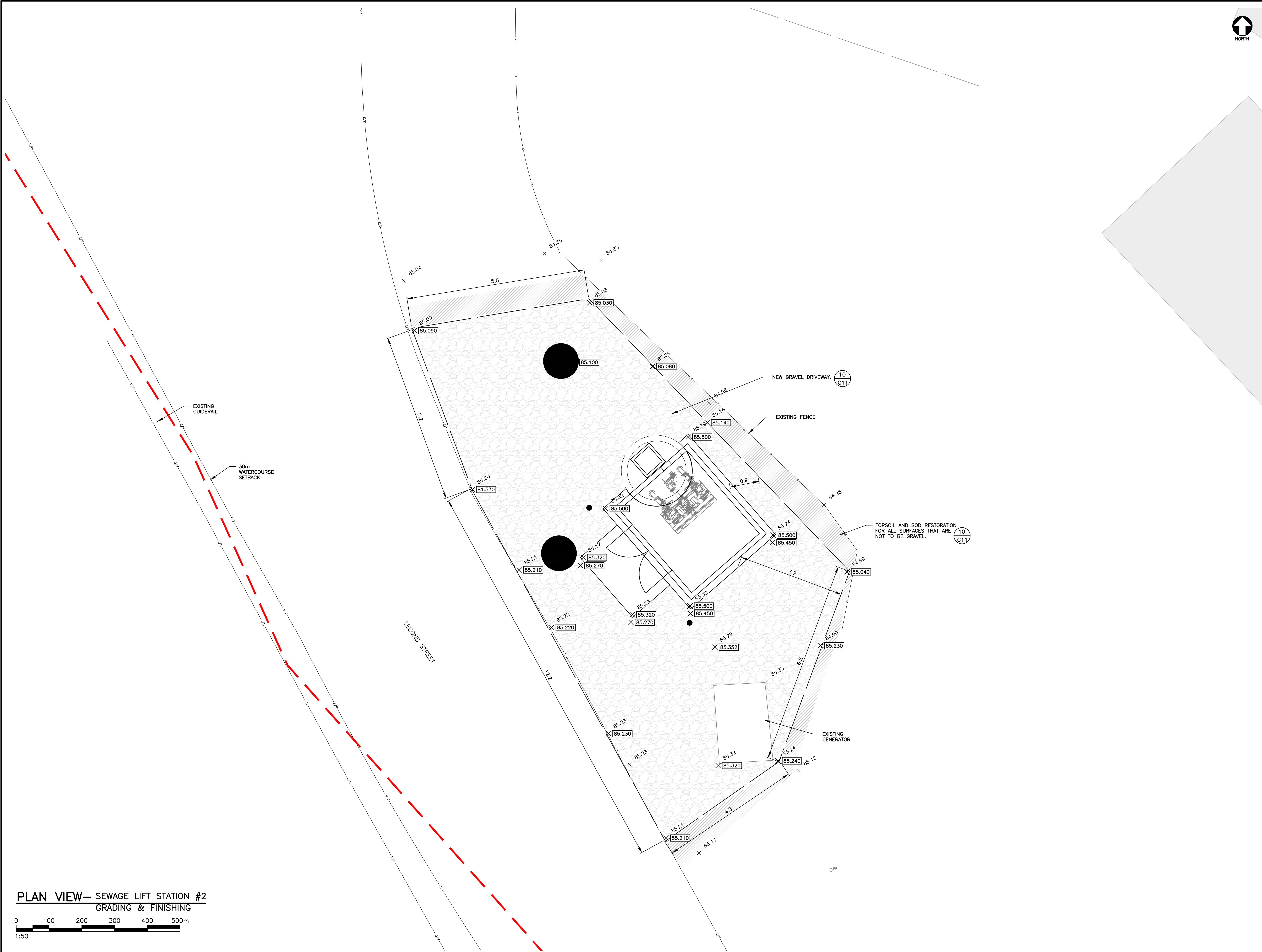
#### NEQOTKUK FIRST NATIONS WASTEWATER LIFT STATIONS RENEWAL PROJECT

CIVIL

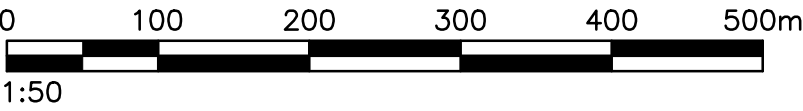
#### SEWAGE LIFT STATION #2 WET-WELL PLAN & SECTION



|             |            |
|-------------|------------|
| Contract No | 252912.00  |
| Contract No | F-24-NQ-07 |
| Date        | OCT. 2025  |
| Scale       | AS NOTED   |
| Designed    | TMc        |
| Drawn       | VMC        |
| Checked     | JVB        |
| Approved    | TMc        |
| Sheet No    | 6 of 22    |
| Drawing No  | C06        |



PLAN VIEW— SEWAGE LIFT STATION #2  
GRADING & FINISHING



NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES.
2. THE HORIZONTAL DATUM UTILIZED IS NAD83 (CGRS) NEW BRUNSWICK DOUBLE STEREOGRAPHIC PROJECTION.
3. ALL ELEVATIONS ARE IN GEODETIC METRES AND REFERENCED TO THE CANADIAN GEODETIC VERTICAL DATUM OF 1928 (CGVD28)
4. ALL CHAINAGES ARE IN METRES.
5. LOCATION OF EXISTING SERVICES, STRUCTURES AND BUILDINGS APPROXIMATE ONLY.
6. CONTRACTOR TO ENSURE THAT ALL MUNICIPAL INFRASTRUCTURE, PUBLIC UTILITIES, NATURAL GAS AND OTHER INFRASTRUCTURE ARE LOCATED IN THE FIELD PRIOR TO START OF EXCAVATION.
7. ALL FIELD SURVEY INFORMATION PROVIDED BY CBCL LIMITED.
8. TYPICAL TRENCH DETAIL, PIPE INSTALLATION, FITTINGS & STRUCTURES, ETC. REFER TO CITY, TOWN OR VILLAGE SPECIFICATIONS FOR DEVELOPERS.
9. SANITARY MANHOLES TO BE 1050# UNLESS OTHERWISE NOTED.
10. ALL MANHOLES TO HAVE MINIMUM 100mm RISER BETWEEN FRAME & CONCRETE COVER. TOP RISER TO BE MADE OF RUBBER.
11. ALL FORCEMAIN LINES LESS THAN 1.8m COVER TO BE INSULATED WITH 50mm THICK RIGID "STYROFOAM SM" BOARD.
12. ALL FORCEMAIN AND SANITARY STUBS TO BE PLUGGED /CAPPED & FORCEMAIN FITTINGS TO BE RESTRAINED. LOCATION TO BE MARKED WITH A 38x89 STUD FROM INVERT OF PIPE TO 300mm BELOW FINISH GRADE

LEGEND:

PROPOSED

- SANITARY MANHOLE (SMH)
- SANITARY SEWER
- SANITARY FORCE MAIN
- ISOLATION VALVE (BUTTERFLY/GATE)
- P/L
- E/P
- R/S
- G/R
- X
- O/H
- E
- ELECTRICAL / TELEPHONE MANHOLE
- POWER, UTILITY, GUY POLES

EXISTING

- SAN
- FM
- I/V
- P/L
- E/P
- R/S
- G/R
- X
- O/H
- E
- ELECTRICAL / TELEPHONE MANHOLE
- POWER, UTILITY, GUY POLES

- BENCH MARK
- GRADE

|     |                   |           |     |
|-----|-------------------|-----------|-----|
| 0   | ISSUED FOR TENDER | OCT 15/26 | TMc |
| No. | Description       | Date      | By  |

Revision or Issue



ATLANTIC FIRST NATIONS  
WATER AUTHORITY INC

NEQOTKUK FIRST NATIONS  
WASTEWATER LIFT STATIONS  
RENEWAL PROJECT

CIVIL

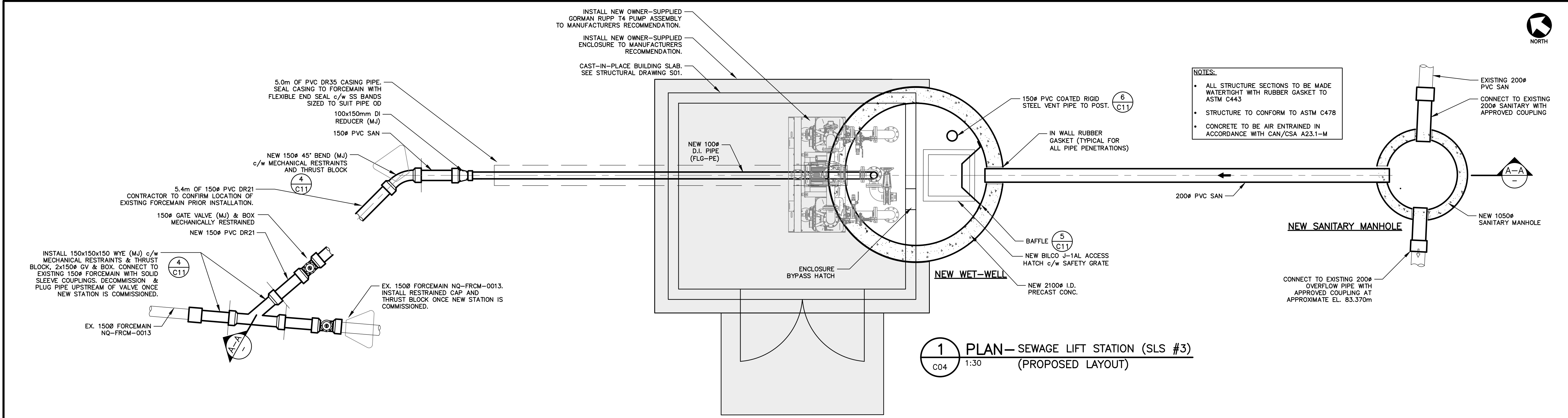
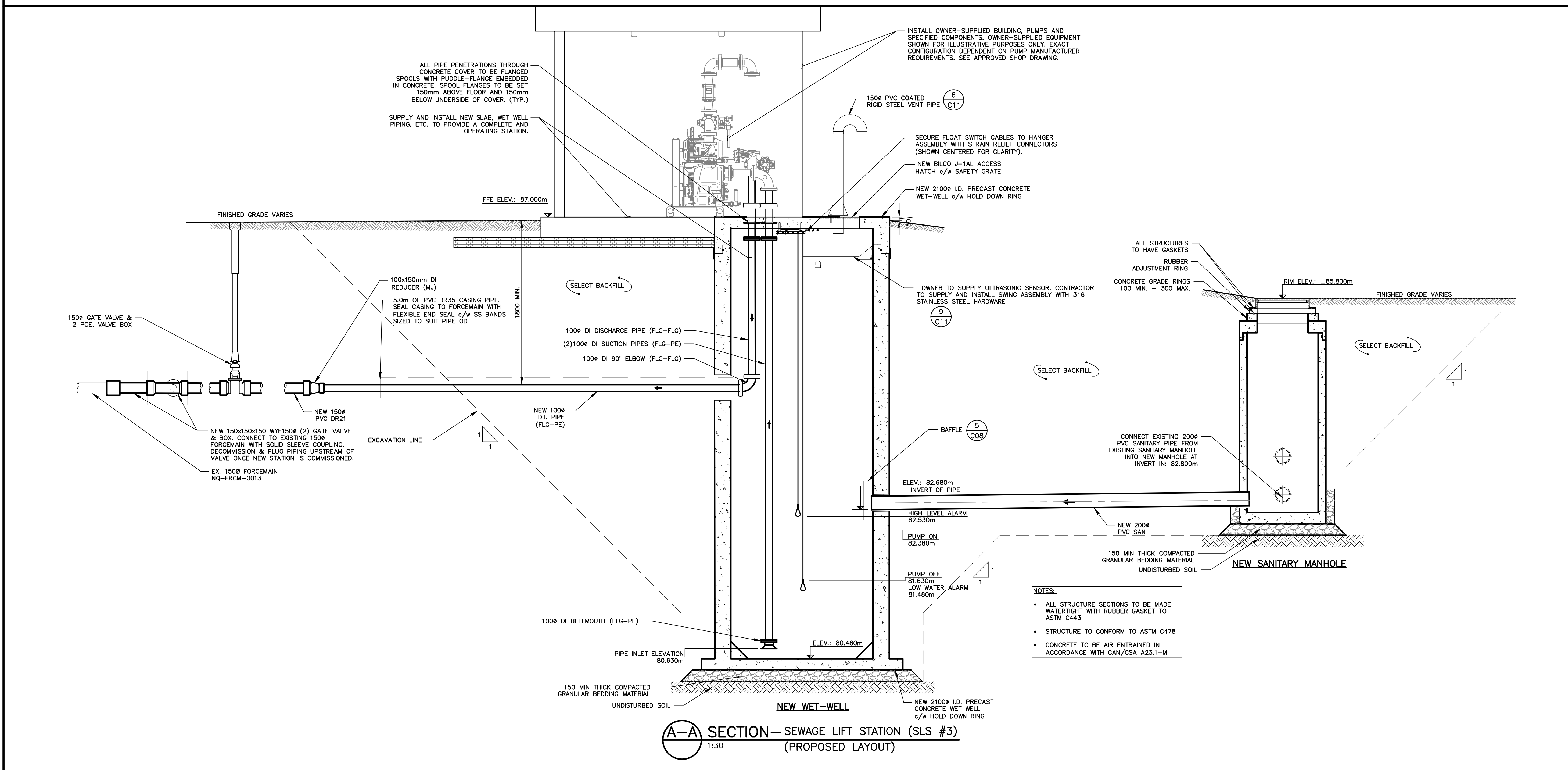
SEWAGE LIFT STATION #2  
SITE GRADING AND  
FINISHING PLAN



|                       |                            |
|-----------------------|----------------------------|
| CBCL No.<br>252912.00 | Contract No.<br>F-24-NQ-07 |
| Date<br>OCT. 2025     | Scale<br>AS NOTED          |
| Designed<br>TMc       | Drawn<br>VMB               |
| Checked<br>JVB        | Approved<br>TMc            |
| Sheet No.<br>7        | of 22                      |

Drawing No.  
**C07**





NOTES:

- ALL DIMENSIONS ARE IN MILLIMETRES.
- THE HORIZONTAL DATUM UTILIZED IS NAD83 (CGRS) NEW BRUNSWICK DOUBLE STEREOGRAPHIC PROJECTION
- ALL ELEVATIONS ARE IN GEODETIC METRES AND REFERENCED TO THE CANADIAN GEODETIC VERTICAL DATUM OF 1928 (CGVD28)
- ALL CHAINAGES ARE IN METRES.
- LOCATION OF EXISTING SERVICES, STRUCTURES AND BUILDINGS APPROXIMATE ONLY.
- CONTRACTOR TO ENSURE THAT ALL MUNICIPAL INFRASTRUCTURE, PUBLIC UTILITIES, NATURAL GAS AND OTHER INFRASTRUCTURE ARE LOCATED IN THE FIELD PRIOR TO START OF EXCAVATION.
- ALL FIELD SURVEY INFORMATION PROVIDED BY CBCL LIMITED.
- TYPICAL TRENCH DETAIL, PIPE INSTALLATION, FITTINGS & STRUCTURES, ETC. REFER TO CITY, TOWN OR VILLAGE SPECIFICATIONS FOR DEVELOPERS.
- SANITARY MANHOLES TO BE 1050# UNLESS OTHERWISE NOTED.
- ALL MANHOLES TO HAVE MINIMUM 100mm RISER BETWEEN FRAME & CONCRETE COVER. TOP RISER TO BE MADE OF RUBBER.
- ALL FORCEMAIN LINES LESS THAN 1.8m COVER TO BE INSULATED WITH 50mm THICK RIGID "STYROFOAM SM" BOARD.
- ALL FORCEMAIN AND SANITARY STUBS TO BE PLUGGED /CAPPED & FORCEMAIN FITTINGS TO BE RESTRAINED. LOCATION TO BE MARKED WITH A 38x89 STUD FROM INVERT OF PIPE TO 300mm BELOW FINISH GRADE

| No. | Description       | Date      | By  |
|-----|-------------------|-----------|-----|
| 0   | ISSUED FOR TENDER | OCT 15/26 | TMc |

Revision or Issue

ATLANTIC FIRST NATIONS WATER AUTHORITY INC.

ATLANTIC FIRST NATIONS WATER AUTHORITY INC.

NEQOTKUK FIRST NATIONS WASTEWATER LIFT STATIONS RENEWAL PROJECT

CIVIL

SEWAGE LIFT STATION #3 WET-WELL PLAN & SECTION

CBCL

Contract No. 252912.00  
Date: OCT. 2025  
Scale: AS NOTED  
Designed: TMc  
Checked: JVB  
Sheet No. 9 of 22  
Drawing No. C09

PROFESSIONAL ENGINEER  
#M5781  
Timothy McCuskey  
Signature  
11 OCT. 2025  
Date  
Ingénieur Informatique



2. ALL DIMENSIONS ARE IN MILLIMETRES.
3. THE HORIZONTAL DATUM UTILIZED IS NAD83 (CPRS) NEW BRUNSWICK DOUBLE STEREOGRAPHIC PROJECTION.
4. ALL ELEVATIONS ARE IN GEOIDETIC METRES AND REFERENCED TO THE CANADIAN GEOIDETIC VERTICAL DATUM OF 1928 (CGVD28).
5. ALL CHANGES ARE IN METRES.
6. LOCATION OF EXISTING SERVICES, STRUCTURES AND BUILDINGS APPROXIMATE ONLY.
7. CONTRACTOR TO ENSURE THAT ALL MUNICIPAL INFRASTRUCTURE, PUBLIC UTILITIES, NATURAL GAS AND OTHER INFRASTRUCTURES ARE LOCATED IN THE FIELD PRIOR TO START OF EXCAVATION.
8. FIELD SURVEY INFORMATION PROVIDED BY CBCL LIMITED.
9. TYPICAL TRENCH DETAIL, PIPE INSTALLATION, FITTINGS & STRUCTURES, ETC. REFER TO CITY, TOWN OR VILLAGE ZONING REGULATIONS.
10. SANITARY MANHOLES TO BE 150mm UNLESS OTHERWISE NOTED.
11. ALL MANHOLES TO HAVE MINIMUM 100mm RISER BETWEEN PIPES & CONCRETE COVER. TOP RISER TO BE MADE OF RUBBER.
12. ALL FOREMAN LINES LESS THAN 1.8m COVER TO BE INSULATED WITH 50mm THICK RIGID "STYROFOAM" SHEET BOARD.
13. ALL FORECROWN AND SANITARY STUDS TO BE PLUGGED /CAAPPED & FORECROWN FITTINGS TO BE RESTRAINED. LOCATION TO BE MARKED WITH A 30x60 STUD FROM INVERT OF PIPE TO 300mm ABOVE FINISH.

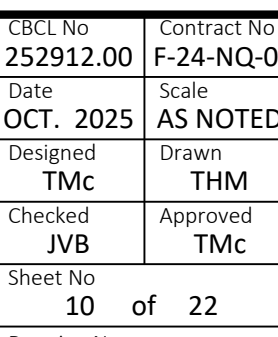
**PROPOSED**

|                                                                                     |                                     |                                                                                     |
|-------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------------------------------------------------------|
|  | SANITARY MANHOLE (SMH)              |  |
|                                                                                     | SANITARY SEWER                      | ____ SM ____                                                                        |
|                                                                                     | SANITARY FORCE MAIN                 | ____ FM ____                                                                        |
|  | ISOLATION VALVE<br>(BUTTERFLY/GATE) |  |
| P/L                                                                                 | PROPERTY LINE                       | ____ P/L ____                                                                       |
| E/P                                                                                 | EDGE OF PAVEMENT                    | ____ E/P ____                                                                       |
|                                                                                     | ROAD SHOULDER                       | ____                                                                                |
| G/R                                                                                 | GRADE RAIL                          | ____ G/R ____                                                                       |
| X                                                                                   | FENCE                               | ____ X ____                                                                         |
| O/H                                                                                 | OVERHEAD UTILITIES                  | ____ O/H ____                                                                       |
| _____ E                                                                             | UNDERGROUND ELECTRICAL              | _____ E                                                                             |
|  | ELECTRICAL / TELEPHONE MANHOLE      |  |
| PP    UP    GP    OP                                                                | POWER, UTILITY, GUY POLES           | O'P'    O'UP'    O'GP'                                                              |
|                                                                                     | BENCH MARK                          |  |
| +    #####                                                                          | GRADE                               | +    #####                                                                          |

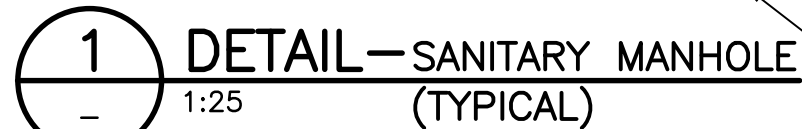
Revision or Issue

## CIVIL

**C B C L**

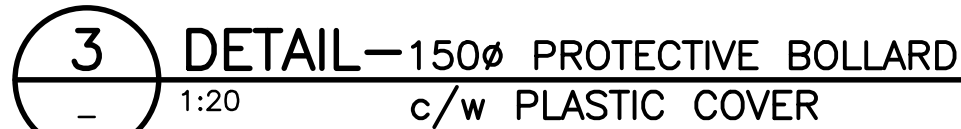


# C10



- ALL TRENCH WORK SHALL CONFORM TO RECOMMENDATIONS IN THE GEOTECHNICAL REPORT, NEW BRUNSWICK OCCUPATIONAL HEALTH AND SAFETY ACT GENERAL REGULATION 91-191 PART 12 (EXCAVATION AND TRENCHES), OR USE TRENCH BOX.
- BEDDING MATERIAL  
CONCRETE PIPE (600Ø OR GREATER) = PIT RUN GRAVEL  
LESS THAN 600Ø = CLEAR STONE

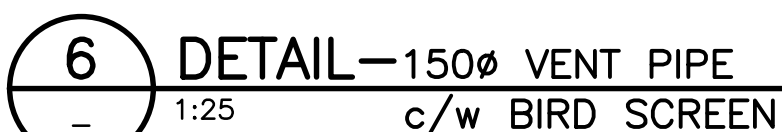
2 DETAIL—SINGLE PIPE TRENCH  
1:20 GRASS AREA



- |                                                               |
|---------------------------------------------------------------|
| <b>NOTES:</b>                                                 |
| 1. ALL CONCRETE 25MPa                                         |
| 2. CONCRETE COVER TO BE MIN. 75 OVER BARS AND FITTINGS        |
| 3. REINFORCING BARS ARE TO BE PRESHAPED PRIOR TO INSTALLATION |

| MINIMUM DISTANCE FROM<br>FITTING TO UNDISTURBED GROUND |     |
|--------------------------------------------------------|-----|
| PIPE Ø mm                                              | mm  |
| 100                                                    | 450 |
| 150                                                    | 450 |
| 200                                                    | 450 |
| 250                                                    | 600 |
| 300                                                    | 750 |

4 DETAIL— THRUST BLOCK  
N.T.S.



- | LIST OF MATERIALS                             |                                     |
|-----------------------------------------------|-------------------------------------|
| • 150mm                                       | 31.5mm CRUSHED ROCK AGGREGATE BASE  |
| • 300mm                                       | 75mm CRUSHED ROCK AGGREGATE SUBBASE |
| • TENSAR TX-190                               |                                     |
| • SUBGRADE TO BE PROOF-ROLLED (EXISTING SOIL) |                                     |

- | LIST OF MATERIALS  |
|--------------------|
| • NURSERY SOD      |
| • 100mm TOPSOIL    |
| • UNDISTURBED SOIL |



1. ALL DIMENSIONS ARE IN MILLIMETRES.
2. THE HORIZONTAL DATUM UTILIZED IS MAD84 (CGRS) NEW BRUNSWICK DOUBLE STEREOGRAPHIC PROJECTION.
3. ALL ELEVATIONS ARE IN GEODETIC METRES AND REFERENCED TO THE CANADIAN GEODETIC VERTICAL DATUM OF 1928 (CGVD28)
4. ALL CHANGES ARE IN METRES.
5. LOCATION OF EXISTING SERVICES, STRUCTURES AND BUILDINGS APPROXIMATE ONLY.
6. CONTRACTOR TO ENSURE THAT ALL MUNICIPAL INFRASTRUCTURE, PUBLIC UTILITIES, NATURAL GAS AND OTHER SERVICES ARE LOCATED IN THE FIELD PRIOR TO START OF EXCAVATION.
7. ALL FIELD SURVEY INFORMATION PROVIDED BY CSBL LIMITED.
8. TYPICAL TRENCH DETAIL, PIPE INSTALLATION, FITTINGS & STRUCTURES, ETC. REFER TO CITY, TOWN OR VILLAGE SPECIFICATIONS FOR DEVELOPERS.
9. SANITARY MANHOLES TO BE 1050mm UNLESS OTHERWISE NOTED.
10. ALL CATCH BASINS, MANHOLES, GATE VALVE CHAMBERS AND OTHER STRUCTURES TO BE CONCRETE MINIMUM 100mm RISES BETWEEN FRAME & CONCRETE COVER. TOP RISER TO BE MADE OF RUBBER.
11. AT ALL PIPE CONNECTIONS TO EXISTING WATER MAINS, FUTURE WATER MAINS AND FIRE LINES, PROVIDE A 25mm (1") MAIN STOP AND SADDLE BOTH SIDES OF GATE VALVE TO FACILITATE TAPPING TO OTHER UTILITIES.
12. ALL WATER LINES LESS THAN 1.8m COVER TO BE INSULATED WITH 25mm THICK RIGID "STYROFORM SM" BOARD.
13. ALL WATER, SANITARY AND STORM STUBS TO BE PLUGGED /CAPPED & WATER MAIN FITTINGS TO BE RESTRAINED. LUGS TO BE MARKED WITH A 30x50 STUD FROM INVERT OF PIPE TO 300mm DEEP FINISH GRADE.

|     |                   |           |    |
|-----|-------------------|-----------|----|
|     |                   |           |    |
|     |                   |           |    |
|     |                   |           |    |
|     |                   |           |    |
|     |                   |           |    |
| 0   | ISSUED FOR TENDER | OCT 15/26 | TM |
| No. | Description       | Date      | By |

Revision or Issue



NEQOTKUK FIRST NATIONS  
WASTEWATER LIFT STATIONS  
RENEWAL PROJECT

CIVIL

## CIVIL DETAILS



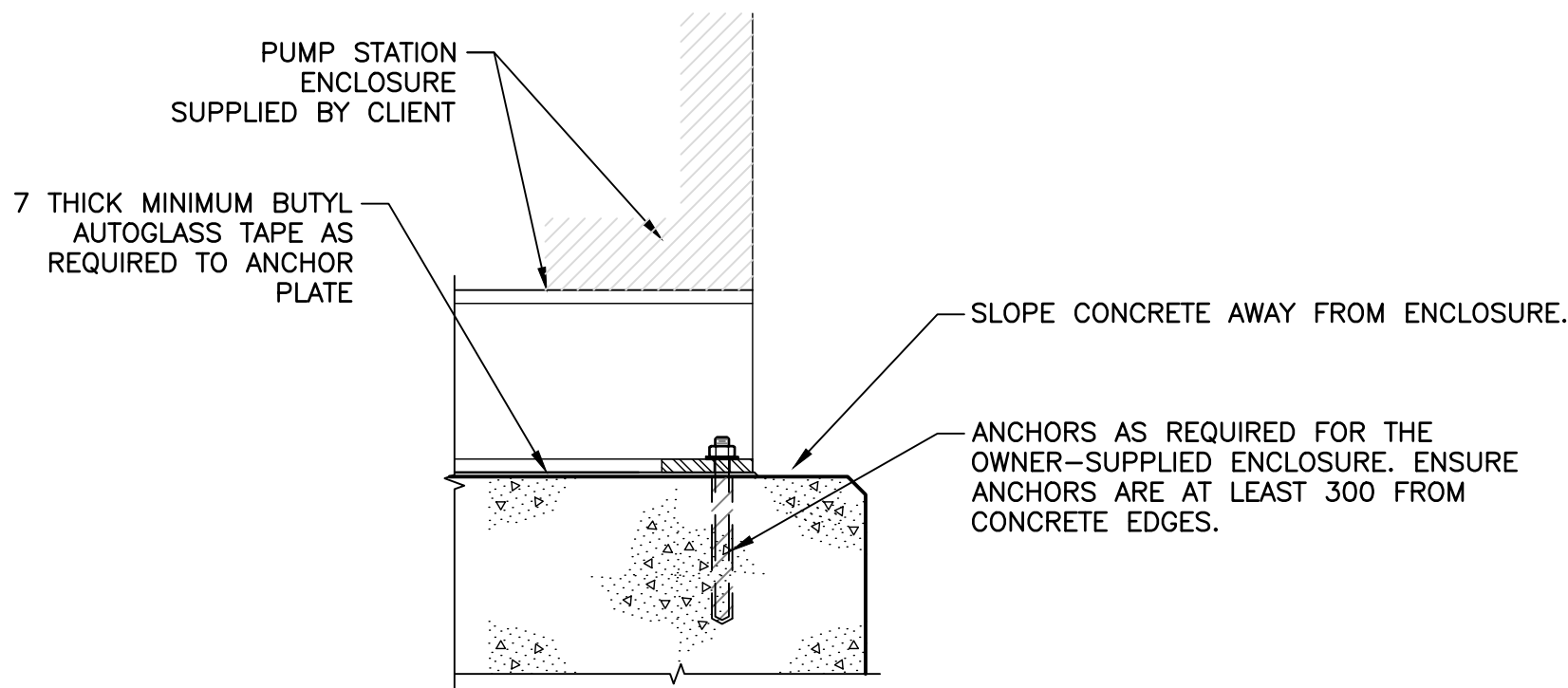
|                      |                          |
|----------------------|--------------------------|
| CBCL No<br>252912.00 | Contract No<br>F-24-NQ-0 |
| Date<br>OCT. 2025    | Scale<br>AS NOTED        |
| Designed<br>TMC      | Drawn<br>VMB             |
| Checked<br>JVB       | Approved<br>TMC          |
| Sheet No<br>11 of 22 |                          |
| Drawing No           |                          |

GENERAL NOTES:

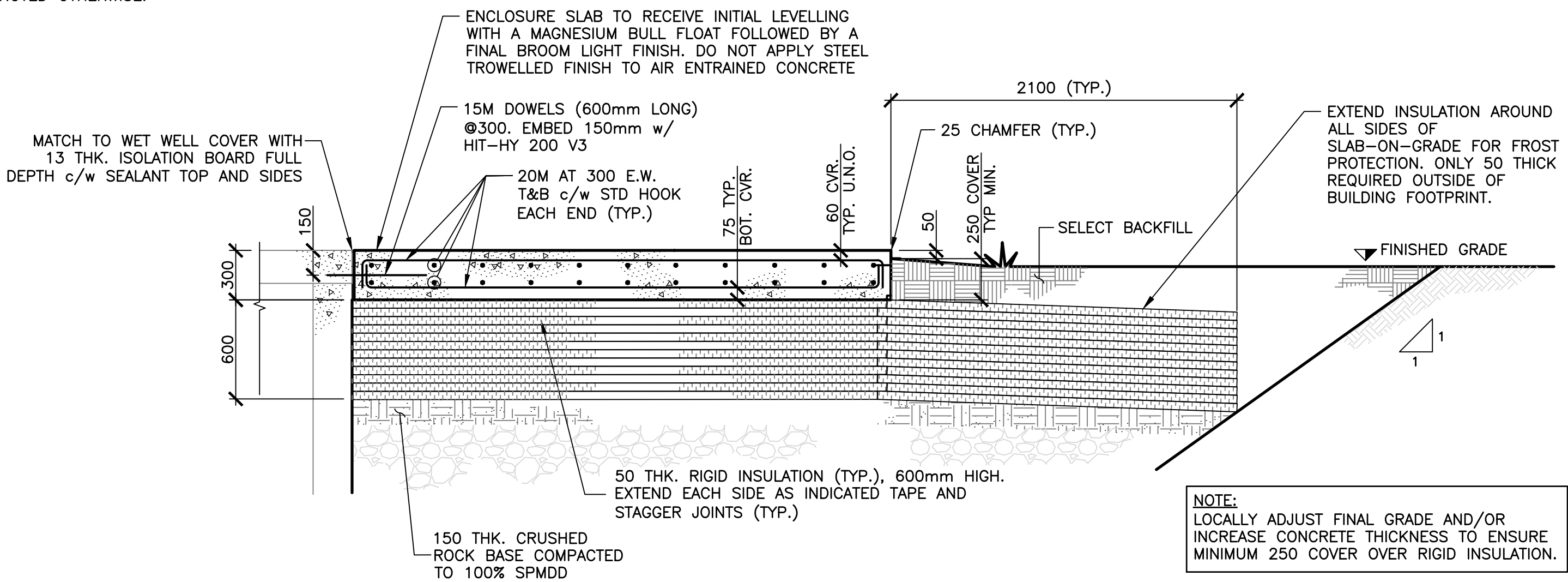
- ALL WORK AND MATERIALS TO CONFORM TO THE REQUIREMENTS OF THE NATIONAL BUILDING CODE OF CANADA, 2020, AND ANY APPLICABLE ACTS OF THE AUTHORITY HAVING JURISDICTION.
- ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH THE OCCUPATIONAL HEALTH AND SAFETY ACT OF NEW BRUNSWICK.
- NO ALTERATIONS TO STRUCTURAL DETAILS TO BE MADE WITHOUT THE WRITTEN PERMISSION OF THE STRUCTURAL ENGINEER. ALL OPENINGS IN SLABS OR WALLS ARE TO BE PRE-FORMED AND ALL HOLES SLEEVED. CONSTRUCTION ERRORS ARE TO BE DOCUMENTED AND REPORTED TO THE STRUCTURAL ENGINEER BEFORE PROCEEDING WITH SUBSEQUENT WORK.
- PERIODIC AND DISCRETIONARY SITE OBSERVATIONS ARE MADE AT THE JOB SITE BY THE STRUCTURAL ENGINEER AND ARE NECESSARILY LIMITED IN SCOPE TO OBSERVATION OF WORK IN PROGRESS AT THE TIME OF THE SITE OBSERVATION. THESE SITE OBSERVATIONS DO NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY TO PROVIDE CONTINUOUS ON-SITE SUPERVISION OF ALL STRUCTURAL WORK TO ENSURE THAT BOTH THE INTENT AND DETAILS OF THE DRAWINGS AND SPECIFICATIONS ARE BEING FOLLOWED.
- THE CONTRACTOR IS TO COORDINATE DETAILS SHOWN ON THE STRUCTURAL DRAWINGS WITH ALL OTHER DISCIPLINES DRAWINGS AND SPECIFICATIONS.
- CONSTRUCTION LOADS ON COMPLETED ELEMENTS MUST NOT EXCEED DESIGN LOADS SHOWN ON DRAWINGS. FULL LOADS ON CONCRETE STRUCTURES MAY ONLY BE APPLIED AFTER SPECIFIED STRENGTH IS REACHED U.N.O..
- DRAWINGS SHOW COMPLETED PERMANENT STRUCTURE ONLY. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TEMPORARY WORKS (BRACING, STRUCTURE SHORING, GUYS, TIE-DOWNS, EXCAVATION SHORING, ETC.), DESIGNED AND REVIEWED BY A LICENSED PROFESSIONAL ENGINEER RETAINED BY THE CONTRACTOR.
- THE FOLLOWING SHOP DRAWINGS ARE TO BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW:  
A. CONCRETE REINFORCING STEEL.  
B. CONCRETE MIX DESIGNS. SUBMITTAL TO INCLUDE PROOF OF ATLANTIC CONCRETE ASSOCIATION PLANT CERTIFICATION.
- ALL ADHESIVE ANCHORS INTO CONCRETE TO BE HILTI HAS-V-36 (ASTM F1554 GRADE 36) RODS TYPICAL. HAS-V-36 HDG (ASTM F1554 GRADE 36) RODS FOR ANCHORS NOTED TO BE GALVANIZED, COMPLETE WITH HILTI HIT-HY 200 V3 INJECTABLE ADHESIVE (OR APPROVED EQUAL), UNLESS NOTED OTHERWISE. INSTALL ALL CHEMICAL ANCHORS AS PER MANUFACTURERS INSTRUCTIONS. CHEMICAL ANCHORS TO BE INSTALLED BY AN EXPERIENCED APPLICATOR, TRAINED BY THE ANCHOR MANUFACTURER. CONTRACTOR TO SUBMIT TRAINING CERTIFICATE(S) TO OWNERS REPRESENTATIVE UPON REQUEST.
- ALL DESIGN LOADS NOTED ON DRAWINGS ARE UNFACTORED UNLESS NOTED OTHERWISE.
- ALL UNITS TO BE MILLIMETERS [mm] UNLESS NOTED OTHERWISE.
- REFER TO ARCHITECTURAL DRAWINGS FOR THE SIZES AND LOCATIONS OF ALL EXTERIOR AND INTERIOR DOOR AND WINDOW OPENINGS THROUGH ALL WALLS.
- COORDINATE ALL DIMENSIONS WITH ALL OTHER DISCIPLINE DRAWINGS. NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
- COORDINATE ALL CAST IN PLACE PIPING, CONDUITS AND GROUNDING WIRES WITH MECHANICAL AND ELECTRICAL DRAWINGS AS WELL AS MECHANICAL AND ELECTRICAL CONTRACTORS.
- CONTRACTOR TO CONFIRM ALL EXISTING STRUCTURE DIMENSIONS PRIOR TO CONSTRUCTION.

REINFORCED CONCRETE NOTES:

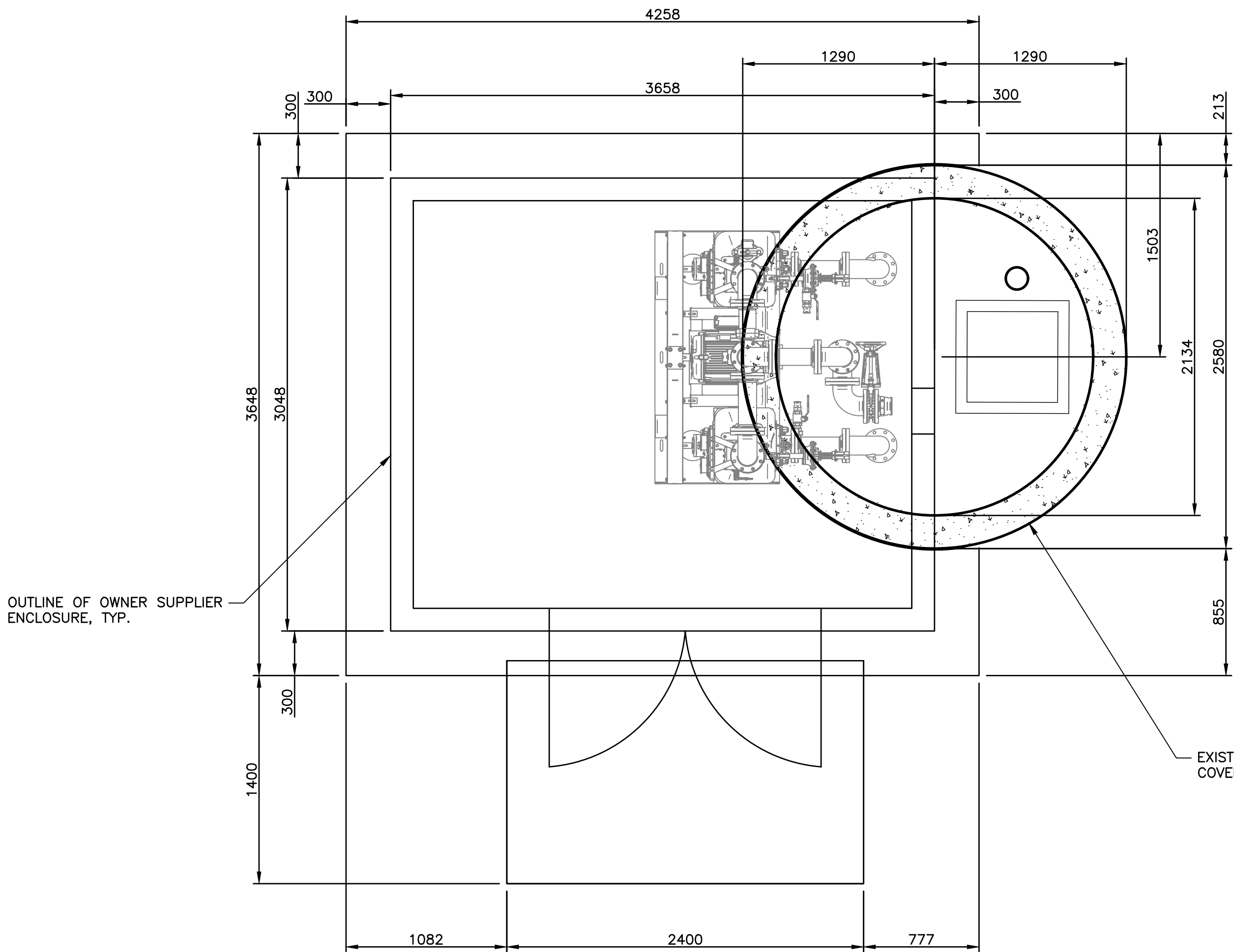
- ALL CONCRETE, CONCRETE MATERIALS, FORMS, WORKING PROCEDURES AND THE LIKE TO CONFORM TO CSA A23.1, LATEST EDITION, UNLESS NOTED OTHERWISE.
- FOR ALL CONCRETE, THE CONCRETE SUPPLIER TO PROVIDE CONCRETE MIX DESIGNS THAT PROVIDE THE COMPRESSIVE STRENGTH AT NUMBER OF DAYS NOTED, THE STATED SLUMP AND AIR CONTENT FOR THE CLASS OF EXPOSURE AS NOTED IN CSA A23.1. FOR ALL CONCRETE MIXES, COARSE AGGREGATE TO BE 3/4" UNLESS NOTED OTHERWISE. NOTE THAT FOR ALL INTERIOR CONCRETE AND MUD SLABS, THE AIR CONTENT IS TO BE 3% MAXIMUM. CONCRETE STRENGTHS AND CLASS OF EXPOSURES TO BE AS FOLLOWS:  
A. INTERIOR SLABS ON GRADE ..... 35 MPa/C-1
- SLUMP REQUIREMENTS FOR EACH MIX SHALL BE IDENTIFIED AND REVIEWED BY THE CONTRACTOR AND CONCRETE SUPPLIER PRIOR TO CONSTRUCTION. SLUMP TO BE SPECIFIED BASED ON PLACEMENT AND FINISHING REQUIREMENTS, AS WELL AS THE REQUIREMENTS OF CSA A23.1.
- CONCRETE PROTECTIVE COVER TO REINFORCING STEEL TO BE AS FOLLOWS UNLESS NOTED OTHERWISE ON DRAWINGS:  
• CAST AGAINST GROUND – NO FORMWORK ..... 75  
• EXPOSED TO EARTH OR WEATHER ..... 60
- ALL REINFORCING BARS MUST BE ACCURATELY SUPPORTED ON CHAIRS TO MAINTAIN EXACT CONCRETE COVER.
- CONSTRUCTION JOINTS TO BE LOCATED SO AS TO LEAST IMPAIR THE STRENGTH OF THE STRUCTURE. LOCATIONS TO BE AS SHOWN ON THE DRAWINGS OR CONTRACTOR IS TO SUBMIT PROPOSED CONSTRUCTION JOINTS FOR THE STRUCTURAL ENGINEER'S APPROVAL. CONSTRUCTION JOINTS TO BE KEYS AND REINFORCEMENT TO NOT BE INTERRUPTED.
- ALL REINFORCING STEEL TO HAVE A MINIMUM YIELD POINT STRENGTH OF 400 MPa AND TO CONFORM TO CSA G30.18-M, LATEST EDITION.
- UNLESS NOTED OTHERWISE, AT ALL SPLICE LOCATIONS, REINFORCING STEEL TO BE PROVIDED WITH A CLASS "B" TENSION LAP, OR WHEN BARS OF DIFFERENT SIZES (35M OR SMALLER) ARE LAP SPLICED IN TENSION, THE SPLICE LENGTH TO BE THE LARGER OF THE DEVELOPMENT LENGTH OF THE LARGER BAR OR THE SPLICE LENGTH OF THE SMALLER BAR, AS PER CSA A23.3, LATEST EDITION.
- ALL HOOKS SHOWN TO BE STANDARD 90 OR 180 DEGREE HOOKS UNLESS NOTED OTHERWISE.



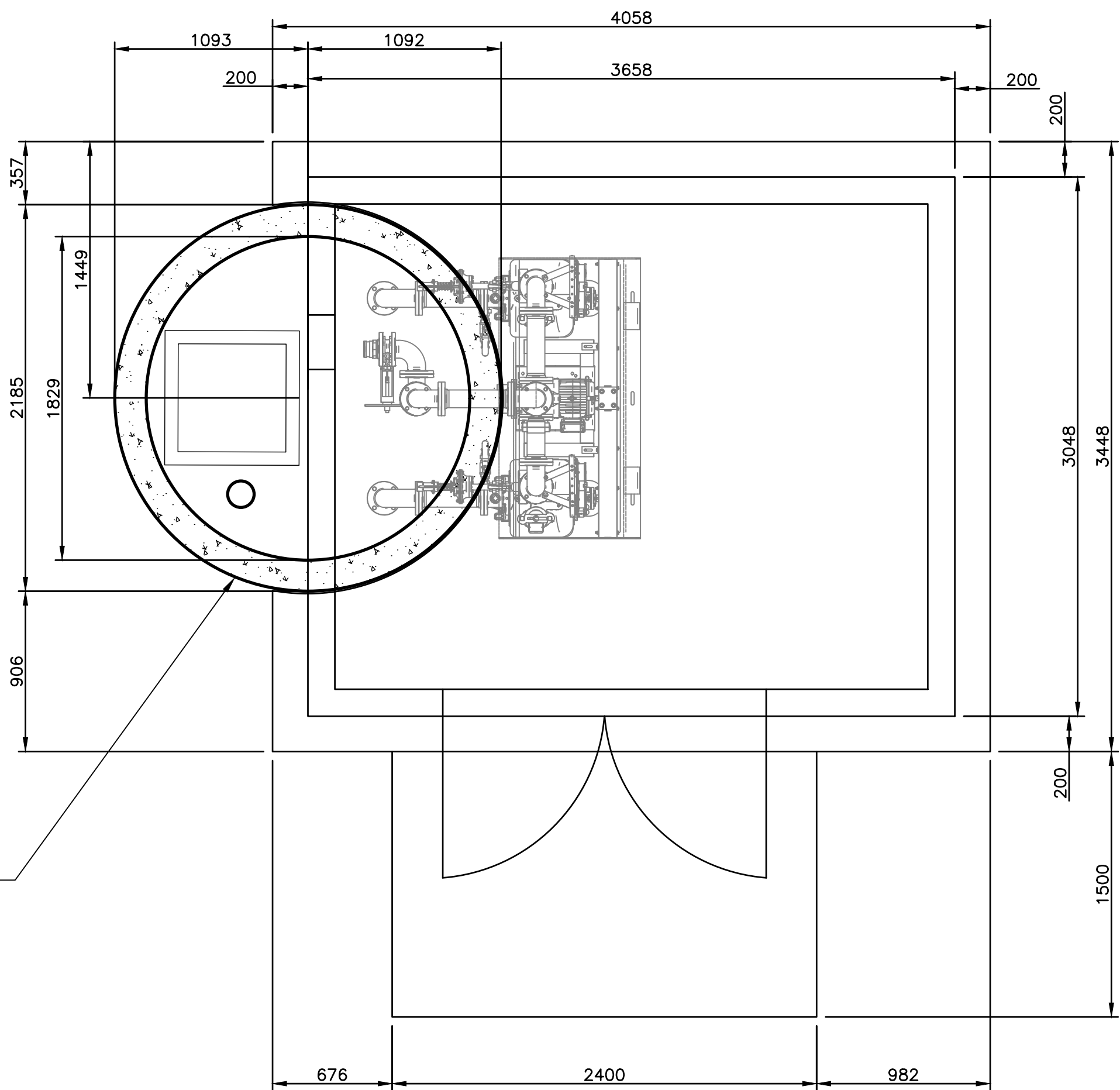
TYPICAL ENCLOSURE ANCHORAGE DETAIL



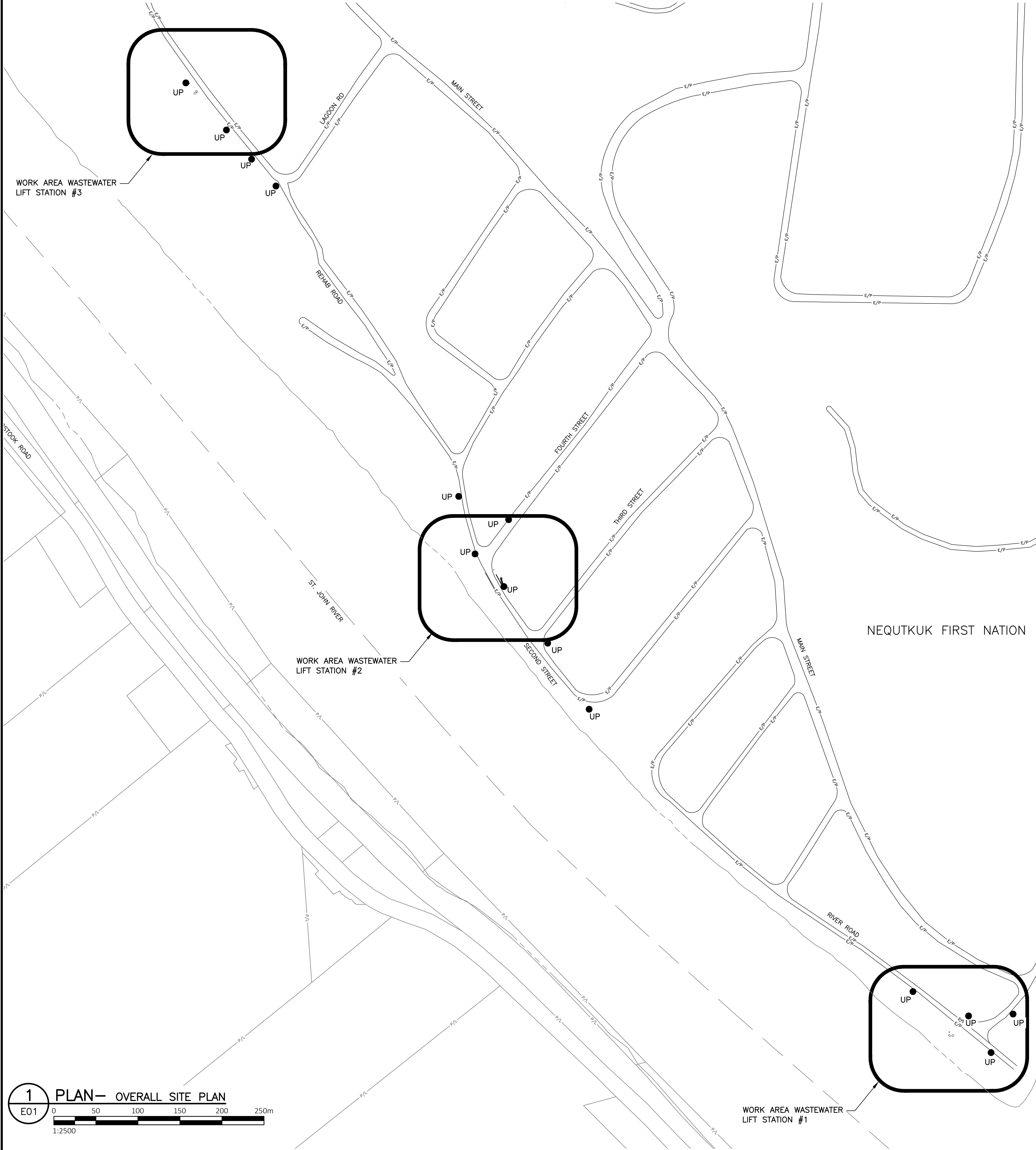
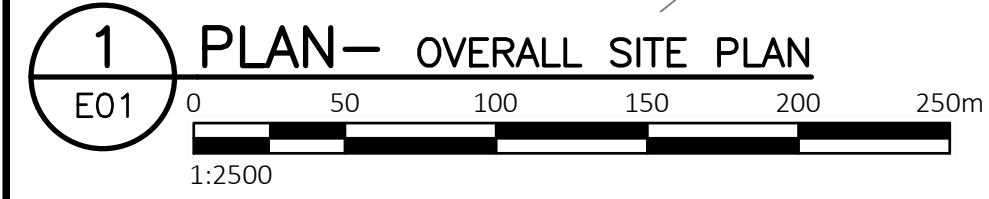
TYPICAL ENCLOSURE SLAB



SLS#1&3 ENCLOSURE SLAB  
1:25

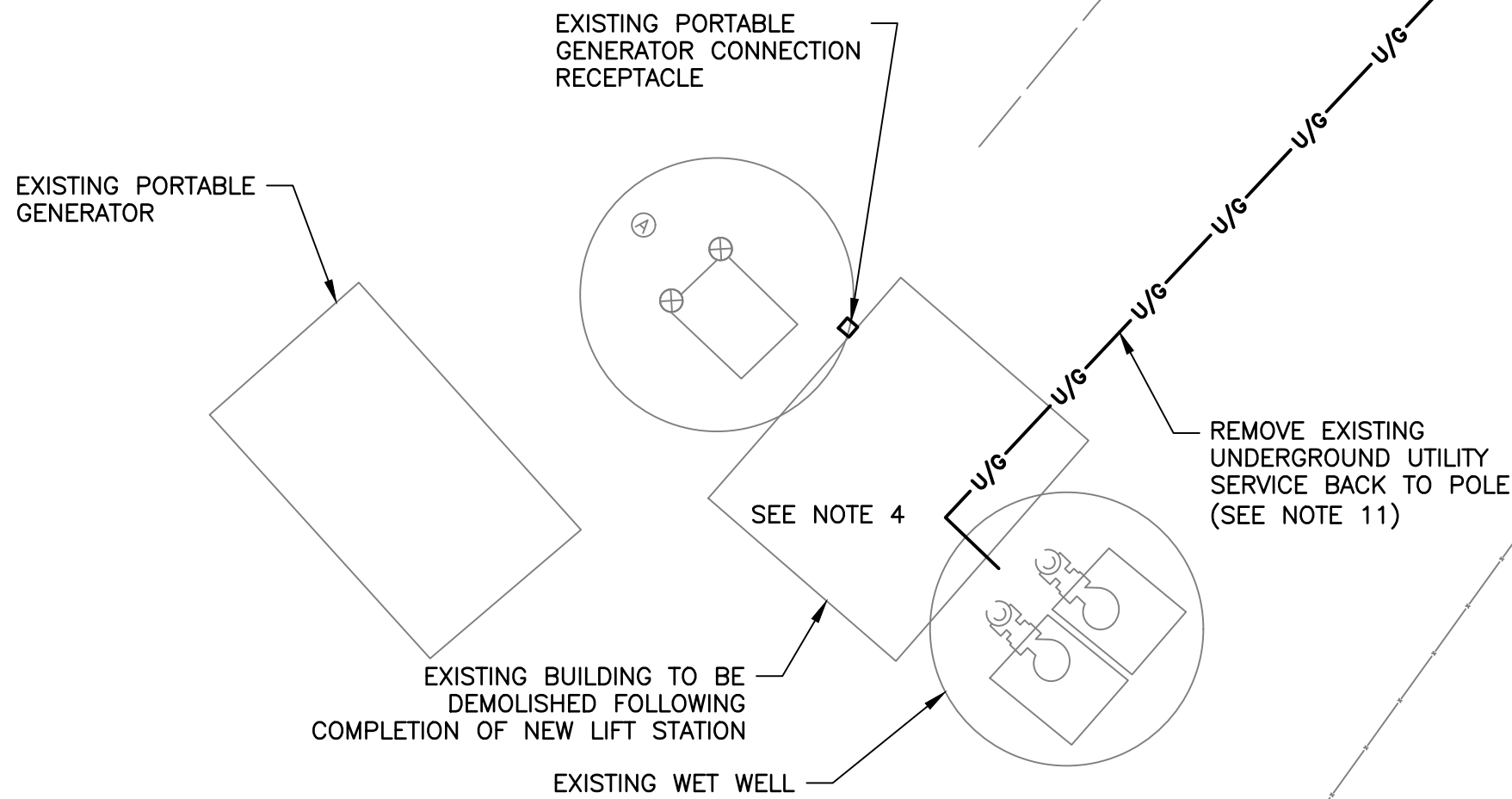


SLS#2 ENCLOSURE SLAB  
1:25

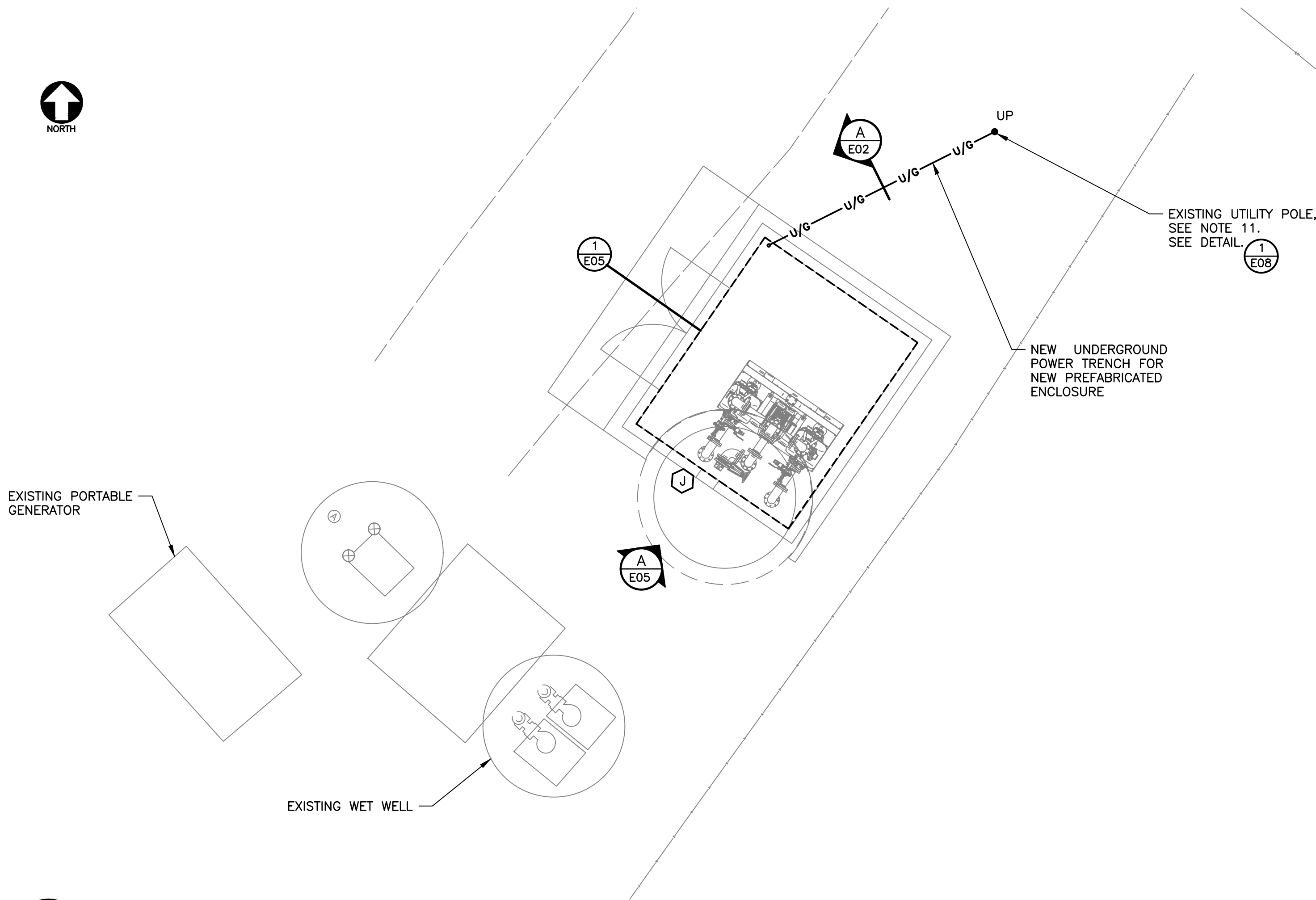


| SITE PLAN          |                                                                                                                       | POWER                                                                                                                                                                                                                                                                                                                                                                                                                              |                                             |
|--------------------|-----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|
| SYMBOL             | DESCRIPTION                                                                                                           | SYMBOL                                                                                                                                                                                                                                                                                                                                                                                                                             | DESCRIPTION                                 |
|                    | UNDERGROUND CONDUIT/CABLE                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                    | PANELBOARD – SURFACE MOUNTED                |
|                    | EDGE OF PAVEMENT                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                    | CONTROL PANEL                               |
|                    | STORM SEWER                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                    | JUNCTION BOX                                |
|                    | PROPERTY LINE                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                    | SURGE PROTECTION DEVICE                     |
|                    | GROUNDING ELECTRODE                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                    | MISCELLANEOUS EQUIPMENT (TYPE AS INDICATED) |
|                    | UTILITY POLE                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                    | DISCONNECT SWITCH, SINGLE POLE TOGGLE TYPE  |
| MISCELLANEOUS      |                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                    | 15A, 120V, DUPLEX RECEPTACLE: TYPE 5–15R    |
|                    | INDICATES DETAIL<br>X = DETAIL NUMBER<br>Y = DRAWING WHERE DETAIL WAS TAKEN FROM, “–” IF TAKEN ON THE SAME DRAWING    |                                                                                                                                                                                                                                                                                                                                                                                                                                    | STUB–UP CONDUIT                             |
|                    | INDICATES SECTION<br>X = SECTION LETTER<br>Y = DRAWING WHERE SECTION WAS TAKEN FROM, “–” IF TAKEN ON THE SAME DRAWING |                                                                                                                                                                                                                                                                                                                                                                                                                                    | GENERATOR CONNECTION                        |
|                    | NORTH ARROW                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                    | GROUND                                      |
| SINGLE LINE        |                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                    | MAGNETIC MOTOR STARTER                      |
|                    | METER                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                    | MOTORIZED DAMPER                            |
|                    | PANELBOARD                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                    | DIRECT CONNECTION                           |
|                    | GENERATOR CONNECTION BOX                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                    | VARIABLE FREQUENCY DRIVE                    |
|                    | CIRCUIT BREAKER                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                    | MOTOR (SINGLE OR THREE–PHASE)               |
|                    | FUSED DISCONNECT SWITCH                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                    | LOW TEMPERATURE ALARM                       |
|                    | MANUAL TRANSFER SWITCH                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                    | H2S GAS SENSOR                              |
|                    | UNDERGROUND CONDUIT                                                                                                   | HEATING SYSTEMS                                                                                                                                                                                                                                                                                                                                                                                                                    |                                             |
|                    | JUNCTION BOX                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                    | TEMPERATURE SENSOR                          |
|                    | MOTOR, THREE PHASE                                                                                                    | ANNOTATIONS / ABBREVIATIONS                                                                                                                                                                                                                                                                                                                                                                                                        |                                             |
| SECURITY SYSTEMS   |                                                                                                                       | AI = ANALOG INPUT<br>AO = ANALOG OUTPUT<br>DI = DC DIGITAL INPUT<br>DO = DIGITAL OUTPUT<br>DS = DISCONNECT SWITCH<br>EX = EXPLOSION PROOF/ZONE 1 RATED<br>FE = FLOW SENSOR<br>FIT = FLOW TRANSMITTER<br>I/O = INPUT/OUTPUT<br>LSH = LEVEL SWITCH (HIGH HIGH)<br>LSL = LEVEL SWITCH (LOW LOW)<br>PIT = PRESSURE TRANSMITTER<br>PLC = PROGRAMMABLE LOGIC CONTROLLER<br>RA = REVERSE ACTING<br>WP = WEATHERPROOF<br>BL = BEACON LIGHT |                                             |
|                    | MOTION DETECTOR                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                             |
|                    | DOOR CONTACT                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                             |
| FIRE SYSTEMS       |                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                             |
|                    | SMOKE ALARM                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                             |
| EMERGENCY LIGHTING |                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                             |
|                    | EMERGENCY COMBINATION UNIT/EXIT SIGN C/W BATTERY PACK                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                             |

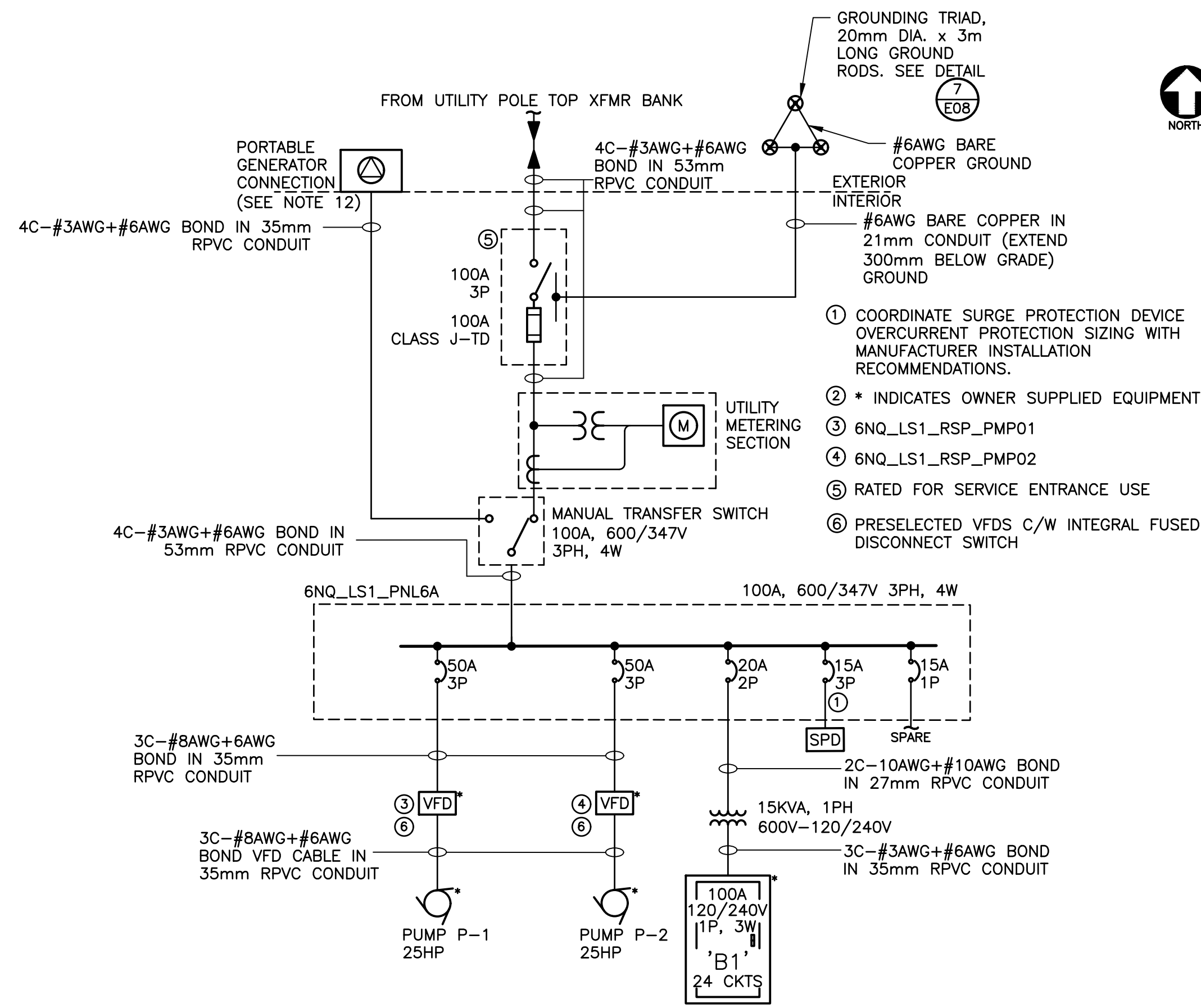
|                                                                 |                   |                   |                |
|-----------------------------------------------------------------|-------------------|-------------------|----------------|
|                                                                 |                   |                   |                |
|                                                                 |                   |                   |                |
|                                                                 |                   |                   |                |
|                                                                 |                   |                   |                |
|                                                                 |                   |                   |                |
|                                                                 |                   |                   |                |
|                                                                 |                   |                   |                |
|                                                                 |                   |                   |                |
|                                                                 |                   |                   |                |
| 0                                                               | ISSUED FOR TENDER | OCT 15/26         | KD             |
| No.                                                             | Description       | Date              | By             |
| Revision or Issue                                               |                   |                   |                |
|                                                                 |                   |                   |                |
| ATLANTIC FIRST NATIONS WATER AUTHORITY INC                      |                   |                   |                |
| NEQOTKUK FIRST NATIONS WASTEWATER LIFT STATIONS RENEWAL PROJECT |                   |                   |                |
| ELECTRICAL                                                      |                   |                   |                |
| LEGEND AND OVERALL SITE PLAN: SEWAGE LIFT STATION 1, 2, & 3     |                   |                   |                |
|                                                                 |                   |                   |                |
|                                                                 |                   | ECCT No 252912.00 | Contract No    |
|                                                                 |                   | Date OCT. 2025    | Scale AS NOTED |
| Designed KD                                                     | Drawn MM          |                   |                |
| Checked RR                                                      | Approved KD       |                   |                |
| Sheet No 13                                                     | of 22             |                   |                |
| Drawing No                                                      |                   |                   |                |
| <b>E01</b>                                                      |                   |                   |                |



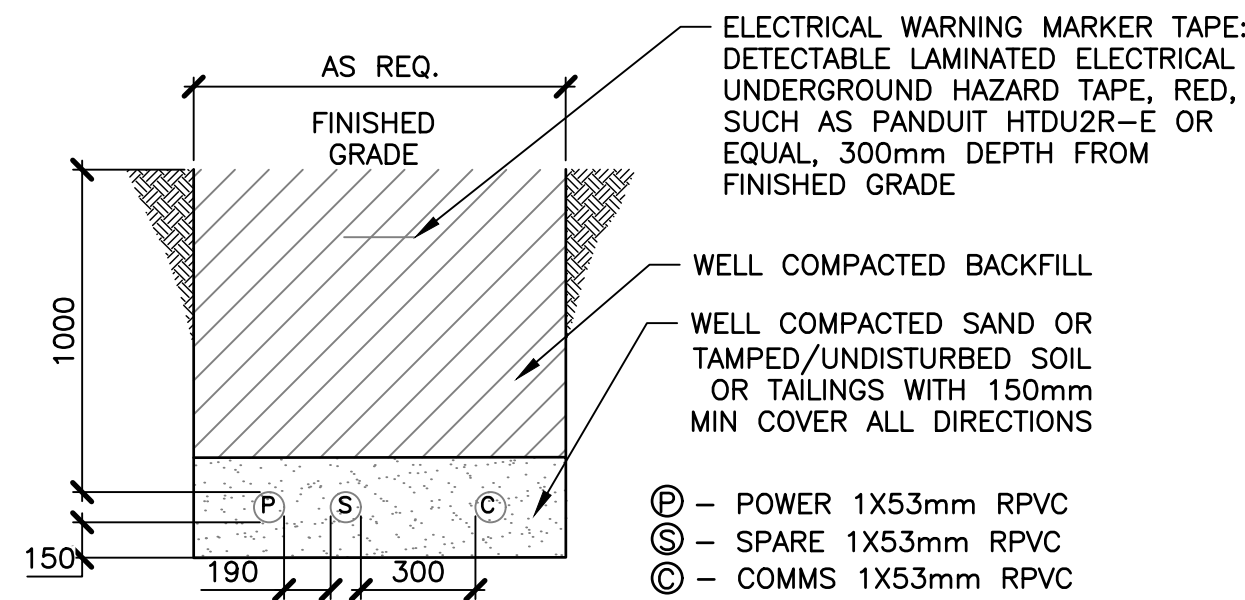
**1 PLAN— SEWAGE LIFT STATION #1 EXISTING CONDITIONS**  
E02  
0 1000 2000 3000 4000 5000mm  
1:50



**2 PLAN— SEWAGE LIFT STATION #1 PROPOSED LAYOUT**  
E02  
0 1000 2000 3000 4000 5000mm  
1:50



**3 DETAIL— SINGLE LINE DIAGRAM**  
E02 NTS



**A SECTION—UNDERGROUND POWER TRENCH**  
E02 NTS



- NOTES:**
1. ALL DIMENSIONS ARE IN MILLIMETERS.
  2. LOCATION OF EXISTING SERVICES, STRUCTURES AND BUILDINGS APPROXIMATE ONLY. CONTRACTOR TO CONFIRM IN FIELD PRIOR TO EXCAVATION.
  3. UNLESS OTHERWISE NOTED, ELECTRICAL EQUIPMENT IS NEW.
  4. REMOVE DISCONNECT SWITCH, CONTROL PANEL, METER, PANEL, AND ALL OTHER ASSOCIATED ELECTRICAL INCLUDING CONDUIT, WIRING, FITTINGS, SUPPORTS, ETC.
  5. CONDUIT TO WET WELL TO BE RIGID ALUMINUM
  6. USE RIGID THREADED METAL CONDUIT (ALUMINUM) IN HAZARDOUS AREAS. REFER TO DETAILS AND ELEVATIONS.
  7. BACKFILL TRENCH IN LAYERS NOT EXCEEDING 300mm (MECHANICALLY TAMPED).
  8. BACKFILL TRENCH WITH SELECTED BACKFILL SOIL IN ACCORDANCE WITH SPECIFICATIONS AND FREE FROM LARGE ROCK AND DEBRIS.
  9. MAINTAIN MINIMUM 1m LATERAL SEPARATION FROM ALL OTHER PIPING AND MAINTAIN 300mm SEPARATION BETWEEN POWER AND COMMUNICATION/INSTRUMENTATION.
  10. IF SITE CONDITIONS PROHIBIT TRENCH DEPTH AS PER INSTALLATION DETAILS, ADVISE THE ENGINEER.
  11. COORDINATE AND PAY FOR TEMPORARY SERVICE TO EXISTING LIFT STATION FOR DURATION OF CONSTRUCTION. LIFT STATION TO REMAIN IN OPERATION UNTIL COMMISSIONING OF NEW LIFT STATION No.1 IS COMPLETE. EXISTING UNDERGROUND SERVICE FEEDERS TO BE REROUTED TO ALLOW FOR CONSTRUCTION OF NEW LIFT STATION. COORDINATE REQUIREMENTS WITH NB POWER.
  12. PORTABLE GENERATOR CONNECTION TO MATCH EXISTING GENERATOR CONNECTION CONFIGURATION. CONFIRM REQUIREMENTS ON SITE.

|     |                   |           |    |
|-----|-------------------|-----------|----|
|     |                   |           |    |
|     |                   |           |    |
|     |                   |           |    |
|     |                   |           |    |
|     |                   |           |    |
| 0   | ISSUED FOR TENDER | OCT 15/26 | KD |
| No. | Description       | Date      | By |

Revision or Issue



ATLANTIC FIRST NATIONS  
WATER AUTHORITY INC

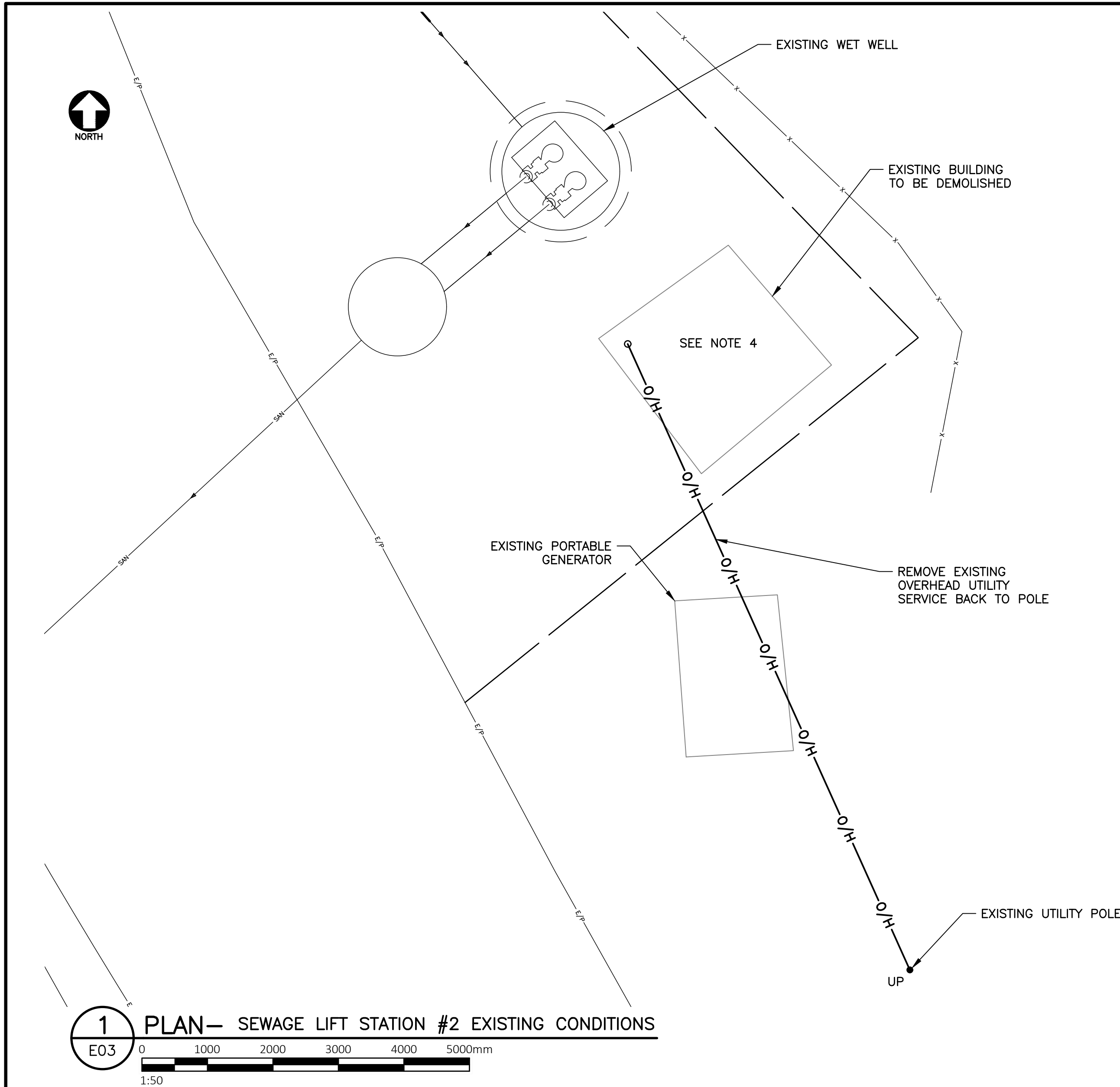
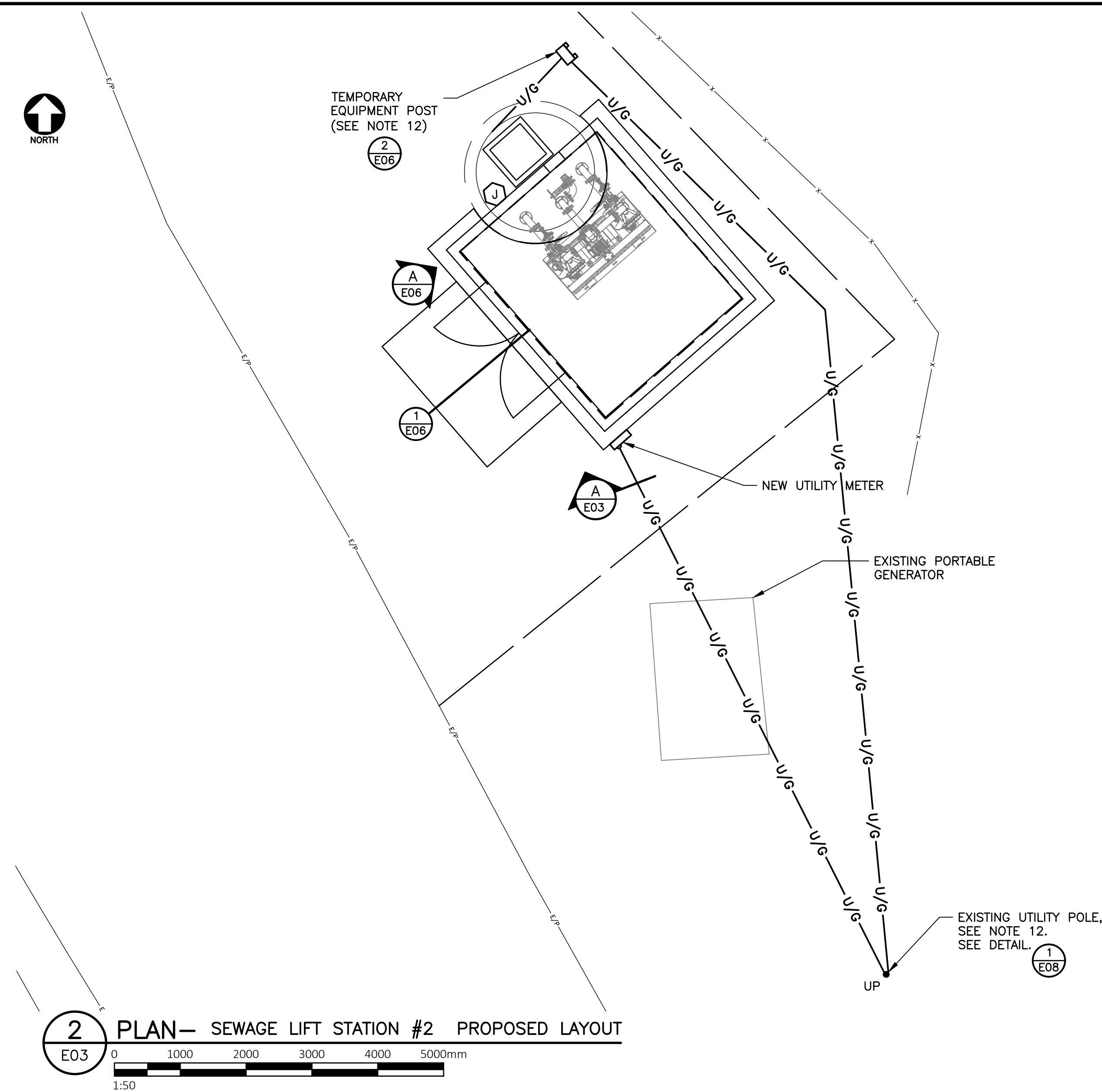
NEQOTKUK FIRST NATIONS  
WASTEWATER LIFT STATIONS  
RENEWAL PROJECT

ELECTRICAL  
SEWAGE LIFT STATION #1  
EXISTING CONDITIONS AND  
PROPOSED LAYOUT



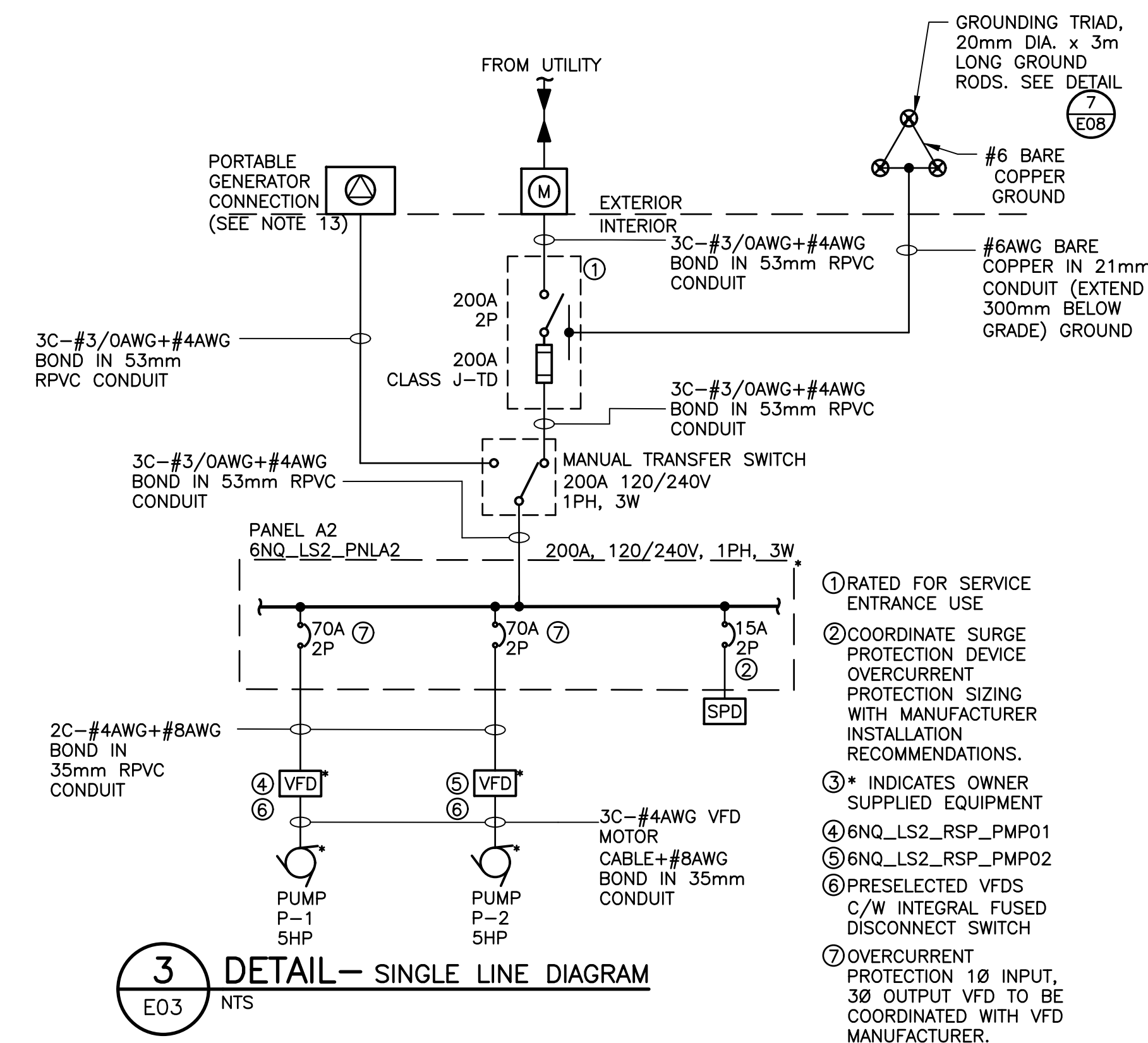
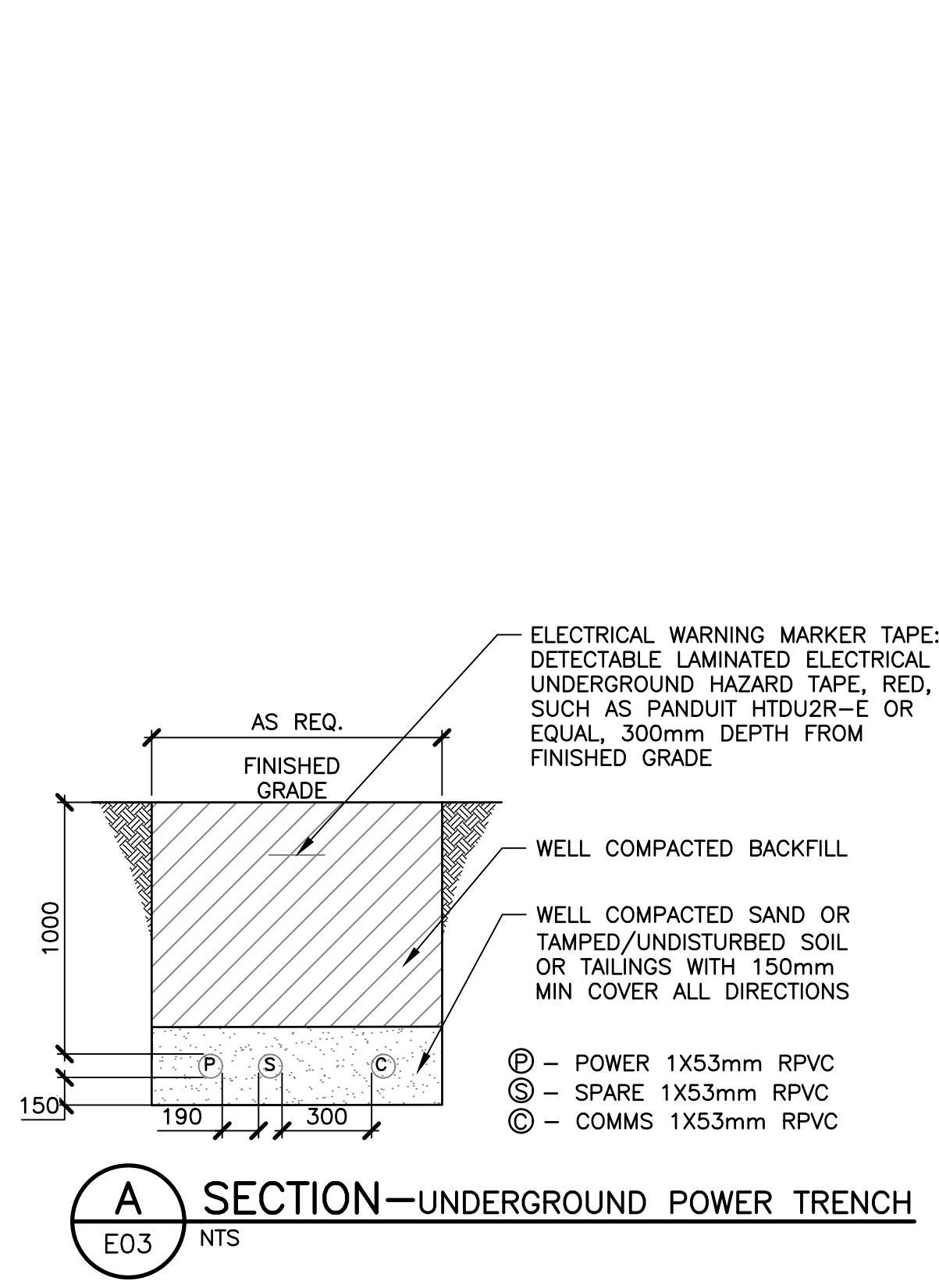
|                                                        |                      |                   |
|--------------------------------------------------------|----------------------|-------------------|
| <br>K.A. Domokos<br>2026-10-15<br>Ingénieur Immobilier | CBCL No<br>252912.00 | Contract No       |
|                                                        | Date<br>OCT. 2025    | Scale<br>AS NOTED |
|                                                        | Designed<br>KD       | Drawn<br>MJM      |
|                                                        | Checked<br>RR        | Approved<br>KD    |
|                                                        | Sheet No<br>14       | of<br>22          |

**E02**



**1 PLAN— SEWAGE LIFT STATION #2 EXISTING CONDITIONS**  
E03  
1:50

**2 PLAN— SEWAGE LIFT STATION #2 PROPOSED LAYOUT**  
E03  
1:50

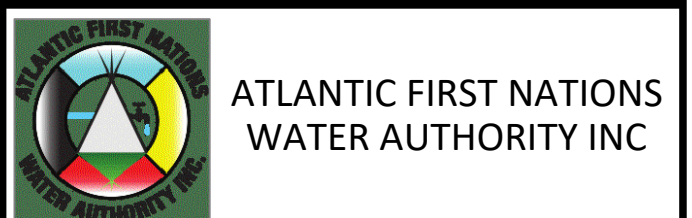


#### NOTES:

- ALL DIMENSIONS ARE IN MILLIMETERS.
- LOCATION OF EXISTING SERVICES, STRUCTURES AND BUILDINGS APPROXIMATE ONLY. CONTRACTOR TO CONFIRM IN FIELD PRIOR TO EXCAVATION.
- UNLESS OTHERWISE NOTED, ELECTRICAL EQUIPMENT IS NEW.
- REMOVE DISCONNECT SWITCH, CONTROL PANEL, METER, PANEL AND ALL OTHER ASSOCIATED ELECTRICAL INCLUDING CONDUIT, WIRING, FITTINGS, SUPPORTS ETC.
- USE RIGID ALUMINUM CONDUIT IN HAZARDOUS AREAS. REFER TO DETAILS AND ELEVATIONS.
- NOT USED.
- BACKFILL TRENCH IN LAYERS NOT EXCEEDING 300mm (MECHANICALLY TAMPED).
- BACKFILL TRENCH WITH SELECTED BACKFILL SOIL IN ACCORDANCE WITH SPECIFICATIONS AND FREE FROM LARGE ROCK AND DEBRIS.
- MAINTAIN MINIMUM 1m LATERAL SEPARATION FROM ALL OTHER PIPING AND MAINTAIN 300mm SEPARATION BETWEEN POWER AND COMMUNICATION/INSTRUMENTATION.
- IF SITE CONDITIONS PROHIBIT TRENCH DEPTH AS PER INSTALLATION DETAILS, ADVISE THE ENGINEER.
- CONTRACTOR TO PROVIDE ADEQUATE TERMINALS IN EACH BOX FOR CONDUCTOR TERMINATION.
- PROVIDE TEMPORARY POWER AS PER UTILITY STANDARD (NB POWER STANDARD FIGURE 9) FOR FEED TO WET WELL. COORDINATE WITH NB POWER TO COORDINATE POWER CONNECTION. EXTEND EXISTING PUMP FEEDS FROM WET WELL TO TEMPORARY POWER LOCATION. CONFIRM CABLE REQUIREMENT WITH EXISTING PUMP CABLES. EXACT LOCATION OF TEMPORARY POWER PEDESTAL TO BE DETERMINED ON SITE. TEMPORARY POWER TO PUMP TO BE IN SERVICE SO THERE IS NO DOWNTIME DURING CONSTRUCTION/RELOCATION OF EXISTING PUMP BUILDING. TEMPORARY CONTROL PANEL IS SUPPLIED BY AFNWA AND INSTALLED BY ELECTRICAL TRADE. COORDINATE WITH UTILITY TO REMOVE TEMPORARY FEED AFTER CONSTRUCTION IS COMPLETE. REMOVE TEMPORARY PEDESTAL AND ALL ASSOCIATED WIRING, CONDUIT ETC.
- PORTABLE GENERATOR CONNECTION TO MATCH EXISTING GENERATOR CONNECTION CONFIGURATION. CONFIRM REQUIREMENTS ON SITE.

|     |                   |           |    |
|-----|-------------------|-----------|----|
|     |                   |           |    |
|     |                   |           |    |
|     |                   |           |    |
|     |                   |           |    |
|     |                   |           |    |
| 0   | ISSUED FOR TENDER | OCT 15/26 | KD |
| No. | Description       | Date      | By |

#### Revision or Issue

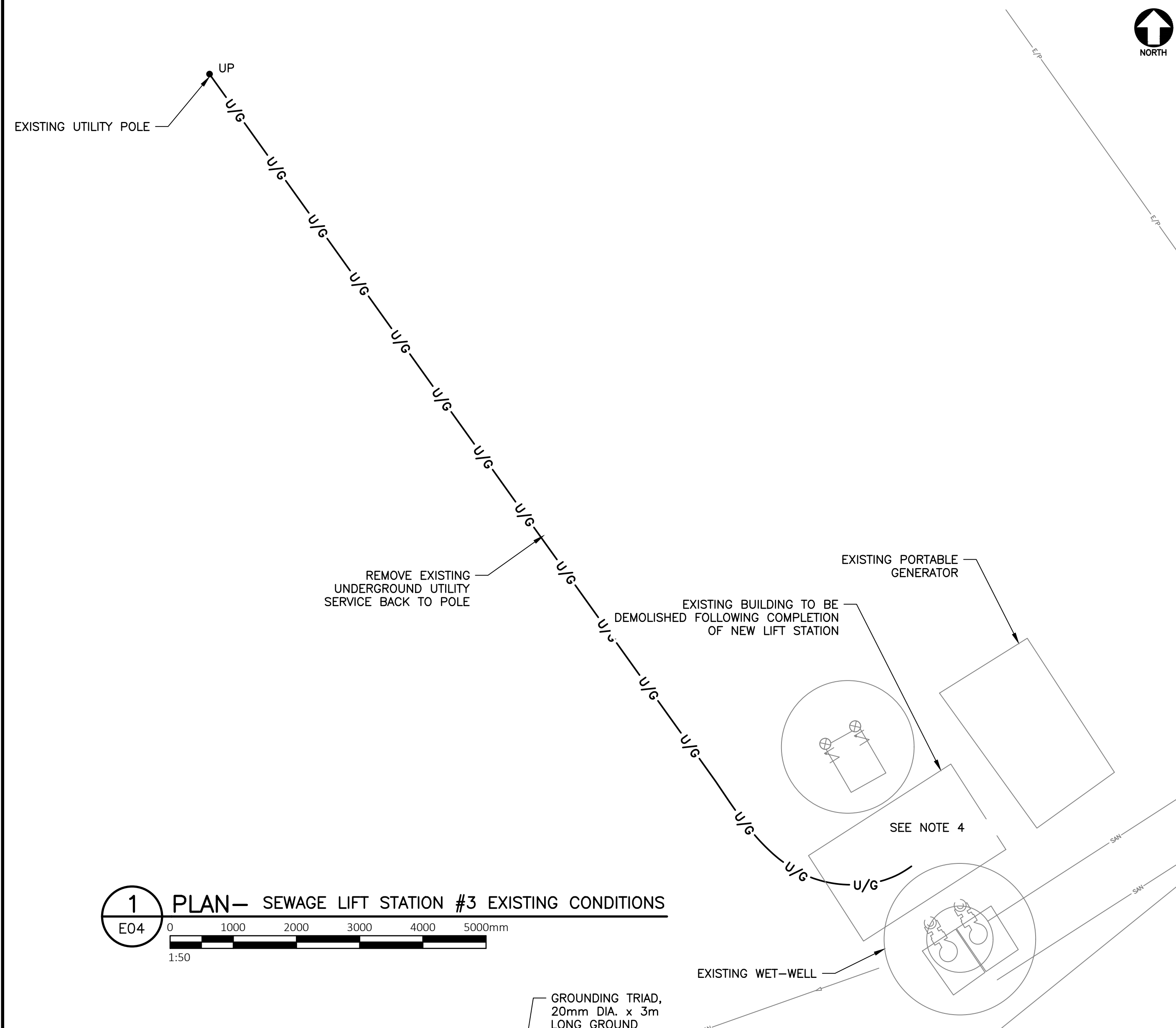
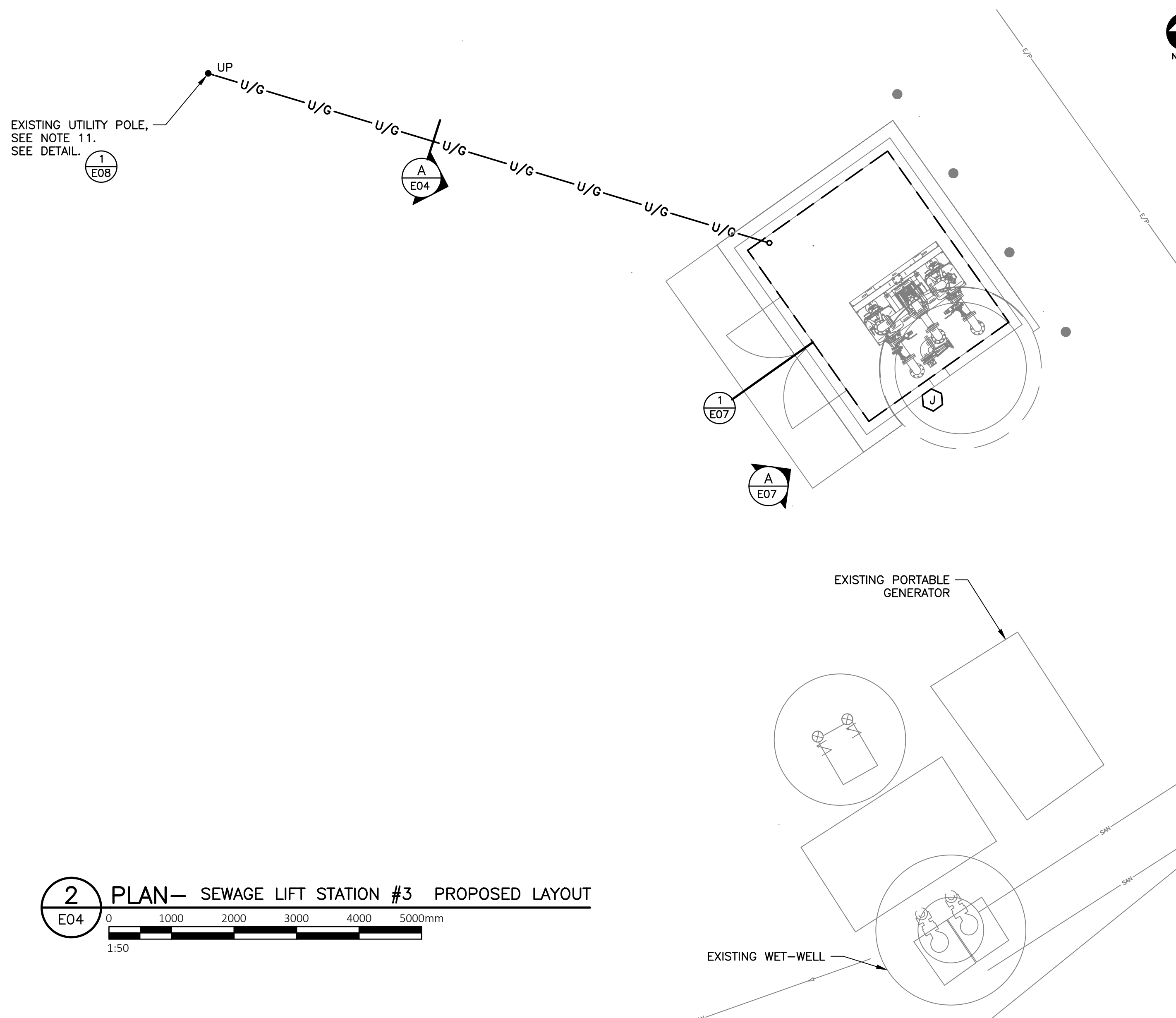
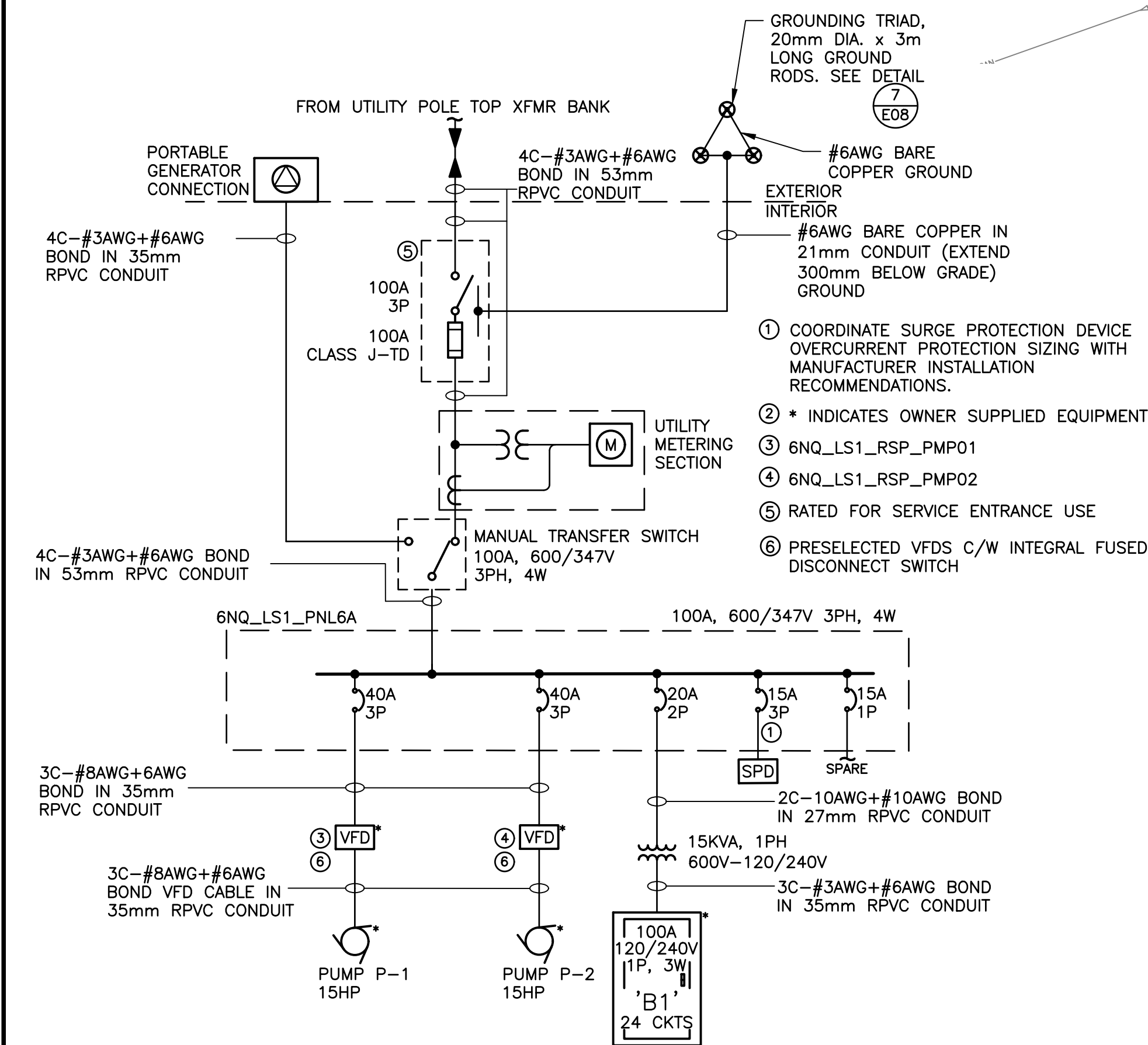
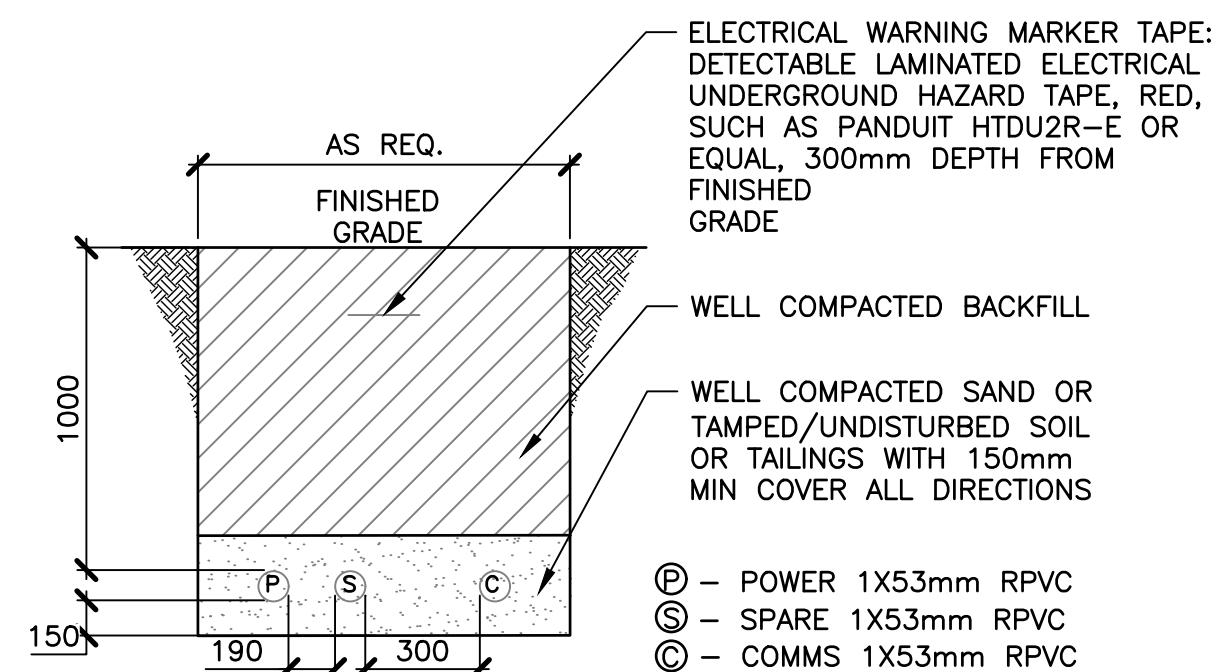


#### NEQOTKUK FIRST NATIONS WASTEWATER LIFT STATIONS RENEWAL PROJECT

#### ELECTRICAL SEWAGE LIFT STATION #2 EXISTING CONDITIONS AND PROPOSED LAYOUT



|                                                                                       |          |            |              |            |
|---------------------------------------------------------------------------------------|----------|------------|--------------|------------|
|  | CBCL No. | 252912.00  | Contract No. |            |
|                                                                                       | Date     | OCT. 2025  | Scale        | AS NOTED   |
|                                                                                       | Designed | KD         | Drawn        | MJM        |
|                                                                                       | Checked  | RR         | Approved     | KD         |
|                                                                                       | Sheet No | 15         | of           | 22         |
|                                                                                       |          | Drawing No |              | <b>E03</b> |



3 DETAIL— SINGLE LINE DIAGRAM

E04

NTS

A SECTION— UNDERGROUND POWER TRENCH

E04

NTS

# NOTES:

- ALL DIMENSIONS ARE IN MILLIMETERS.
- LOCATION OF EXISTING SERVICES, STRUCTURES AND BUILDINGS APPROXIMATE ONLY. CONTRACTOR TO CONFIRM IN FIELD PRIOR TO EXCAVATION.
- UNLESS OTHERWISE NOTED, ELECTRICAL EQUIPMENT IS NEW.
- REMOVE DISCONNECT SWITCH, CONTROL PANEL, METER, PANEL AND ALL OTHER ASSOCIATED ELECTRICAL INCLUDING CONDUIT, WIRING, FITTINGS, SUPPORTS ETC.
- USE RIGID THREADED METAL CONDUIT (ALUMINUM) IN HAZARDOUS AREAS. REFER TO DETAILS AND ELEVATIONS.
- BACKFILL TRENCH IN LAYERS NOT EXCEEDING 300mm (MECHANICALLY TAMPED).
- BACKFILL TRENCH WITH SELECTED BACKFILL SOIL IN ACCORDANCE WITH SPECIFICATIONS AND FREE FROM LARGE ROCK AND DEBRIS.
- MAINTAIN MINIMUM 1m LATERAL SEPARATION FROM ALL OTHER PIPING AND MAINTAIN 300mm SEPARATION BETWEEN POWER AND COMMUNICATION/INSTRUMENTATION.
- IF SITE CONDITIONS PROHIBIT TRENCH DEPTH AS PER INSTALLATION DETAIL, ADVISE THE ENGINEER.
- CONTRACTOR TO PROVIDE ADEQUATE TERMINALS IN EACH BOX FOR CONDUCTOR TERMINATION.
- ALLOW AND PAY FOR UTILITY TO PROVIDE NEW TRANSFORMER. ALLOW AND PAY FOR ALL REQUIREMENTS ASSOCIATED WITH NEW TRANSFORMER AND ELECTRICAL SERVICE.

|     |                   |           |    |
|-----|-------------------|-----------|----|
| 0   | ISSUED FOR TENDER | OCT 15/26 | KD |
| No. | Description       | Date      | By |

## Revision or Issue

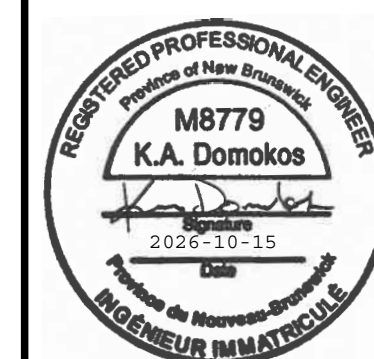


ATLANTIC FIRST NATIONS  
WATER AUTHORITY INC

NEQOTKUK FIRST NATIONS  
WASTEWATER LIFT STATIONS  
RENEWAL PROJECT

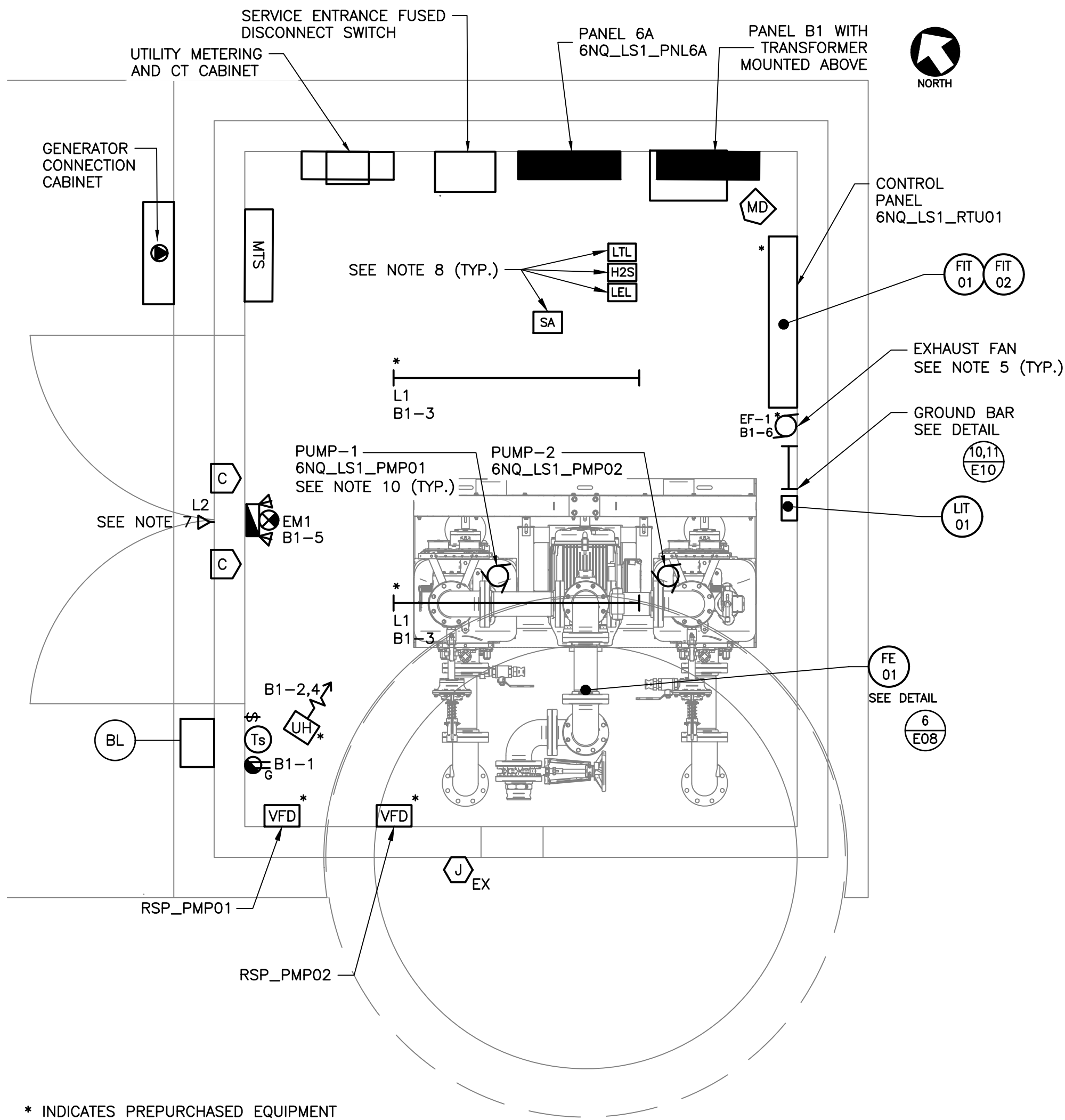
## ELECTRICAL

SEWAGE LIFT STATION #3  
EXISTING CONDITIONS AND  
PROPOSED LAYOUT



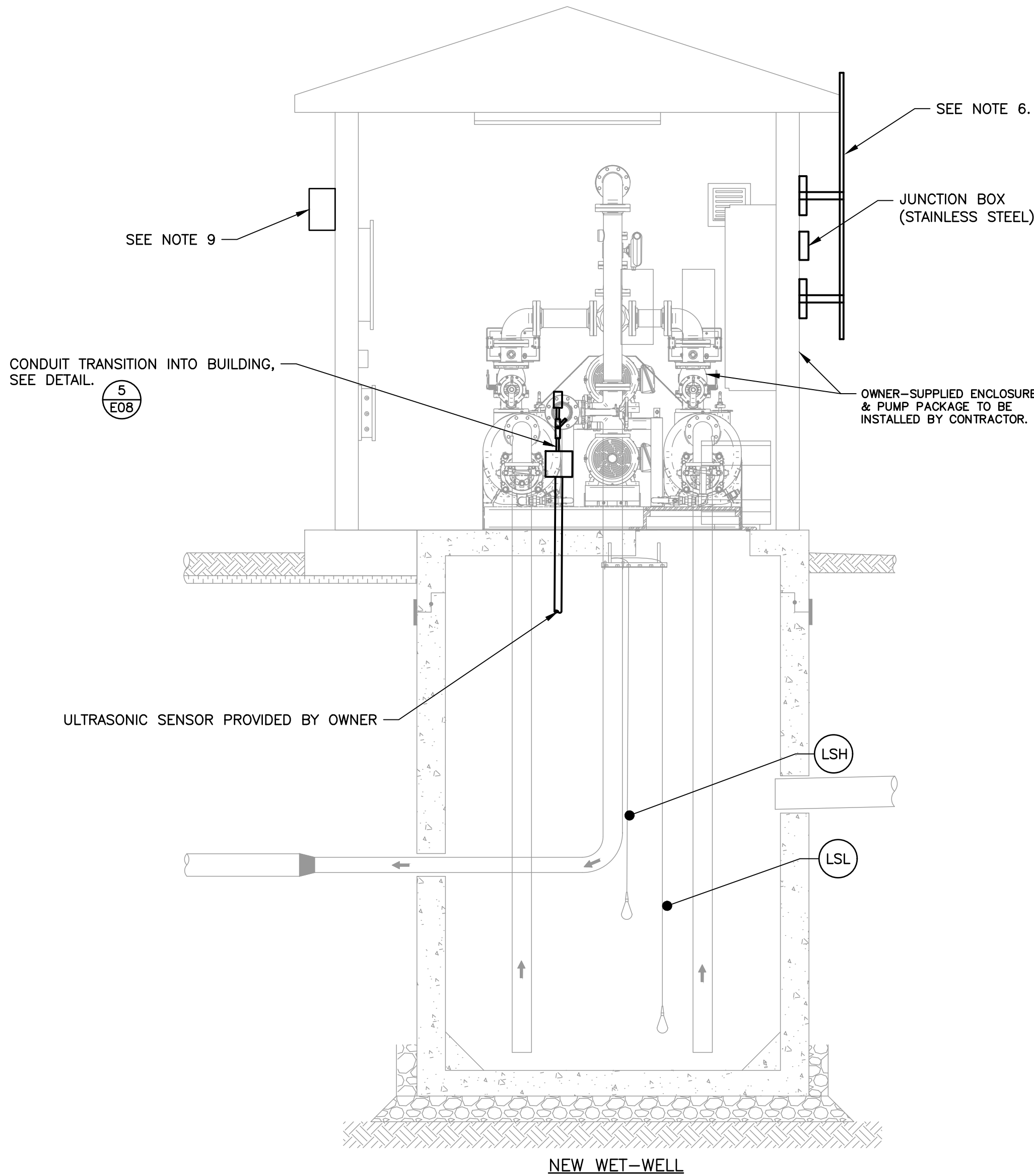
|                      |                   |
|----------------------|-------------------|
| CBCL No<br>252912.00 | Contract No       |
| Date<br>OCT. 2025    | Scale<br>AS NOTED |
| Designed<br>KD       | Drawn<br>MJM      |
| Checked<br>RR        | Approved<br>KD    |
| Sheet No<br>16       | of 22             |
| Drawing No           |                   |

E04



\* INDICATES PREPURCHASED EQUIPMENT

**1 ENLARGED PLAN—SEWAGE LIFT STATION #1 BUILDING LAYOUT**  
E05 0 400 800 1200 1600 2000mm  
1:20

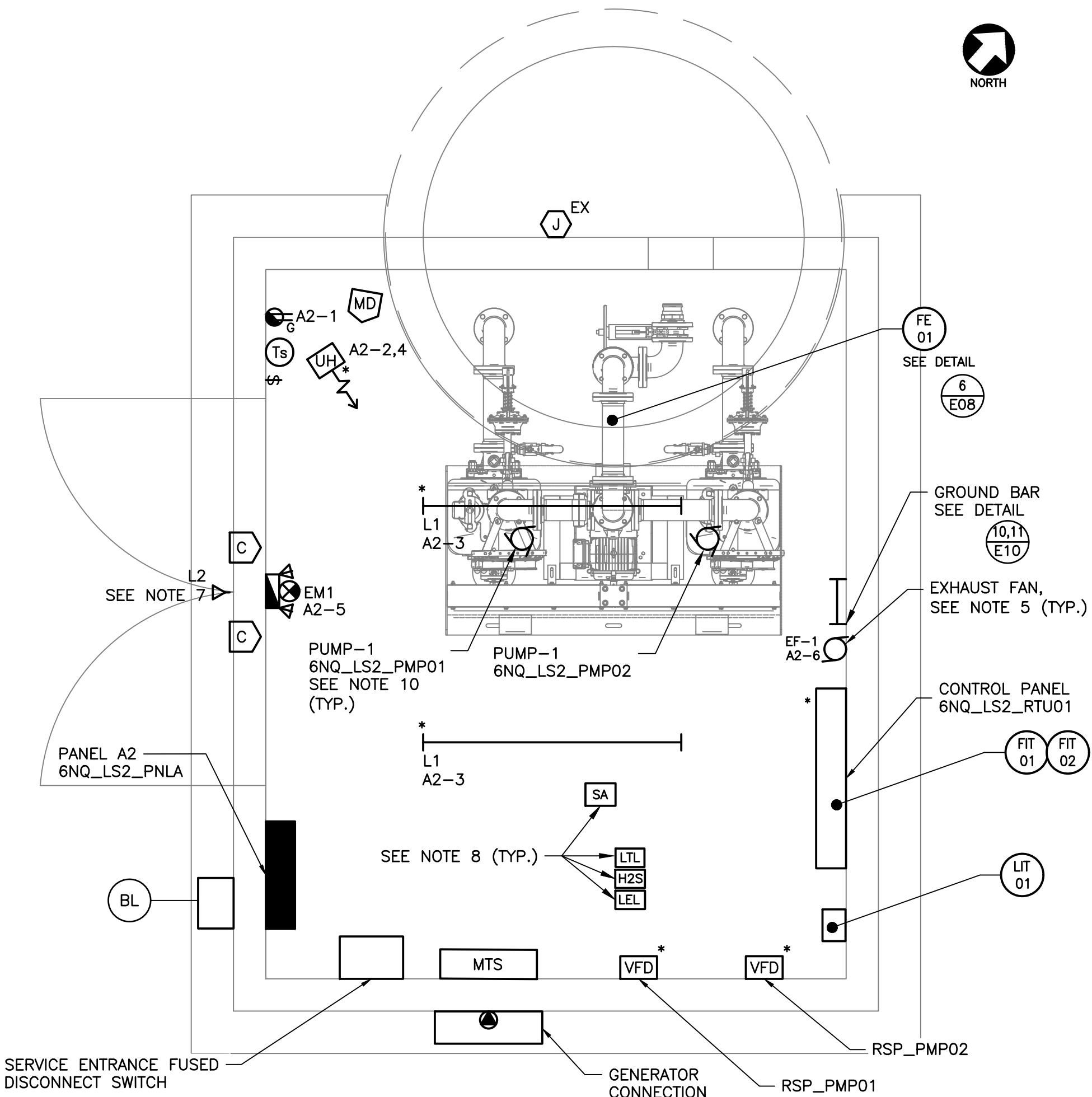


**A SECTION—SEWAGE LIFT STATION #1 BUILDING LAYOUT**  
E05 0 500 1000 1500 2000 2500mm  
1:25

|          |                                                  |   |                                                                                                                                                          |       |                          |         |   |   |                   |       |        |                 |         |
|----------|--------------------------------------------------|---|----------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------------------------|---------|---|---|-------------------|-------|--------|-----------------|---------|
| Remarks  | Power: 120/240 V 1 Ø 3 W                         |   |                                                                                                                                                          |       | PANEL B1                 |         |   |   | SYM. IC.: 10000 A |       |        |                 | Remarks |
|          | # OF CKTS.: 24                                   |   |                                                                                                                                                          |       | LOCATION LIFT STATION #1 |         |   |   | MAINS: 100 A      |       |        |                 |         |
|          | INCOMING:                                        |   |                                                                                                                                                          |       |                          |         |   |   | MAIN BKR: A       |       |        |                 |         |
|          | Designation                                      |   | CKT #                                                                                                                                                    | Watts | BKR                      | PHASE   | a | b | BKR               | Watts | CKT#   | Designation     |         |
| 1        | GFCI RECEPTACLE                                  |   | 1                                                                                                                                                        | 160   | 20A                      | X       |   |   | 20A               | 1500  | 2      | 3kW UNIT HEATER | 1       |
| 1        | LIGHTING                                         |   | 3                                                                                                                                                        | 70    | 15A                      | X       |   |   | 2P                | 1500  | 4      |                 |         |
| 1        | EMERGENCY LIGHTING                               |   | 5                                                                                                                                                        | 72    | 15A                      | X       |   |   | 15A               | 200   | 6      | EXHAUST FAN     | 1       |
| 1        | CONTROL PANEL 6NQ_LS1_RTU01                      |   | 7                                                                                                                                                        | 200   | 15A                      |         |   |   |                   |       | 8      |                 |         |
| 1        | CONTROL PANEL 6NQ_LS1_RTU01 (UTILITY RECEPTACLE) |   | 9                                                                                                                                                        | 200   | 15A                      | X       |   |   |                   |       | 10     |                 |         |
|          |                                                  |   | 11                                                                                                                                                       |       |                          |         |   |   | X                 |       | 12     |                 |         |
|          |                                                  |   | 13                                                                                                                                                       |       |                          |         |   |   | X                 |       | 14     |                 |         |
|          |                                                  |   | 15                                                                                                                                                       |       |                          |         |   |   | X                 |       | 16     |                 |         |
| 1        | SPARE                                            |   | 17                                                                                                                                                       |       | 15A                      | X       |   |   | 20A               |       | 18     | SPARE           | 1       |
| 1        | SPARE                                            |   | 19                                                                                                                                                       |       | 15A                      |         |   |   | X                 | 20A   | 20     | SPARE           | 1       |
| 1        | SPARE                                            |   | 21                                                                                                                                                       |       | 15A                      | X       |   |   | X                 | 20A   | 22     | SPARE           | 1       |
| 1        | SPARE                                            |   | 23                                                                                                                                                       |       | 15A                      |         |   |   | X                 | 20A   | 24     | SPARE           | 1       |
| FEEDER:  |                                                  |   |                                                                                                                                                          |       |                          | SOURCE: |   |   |                   |       |        |                 |         |
| Remarks: |                                                  | 1 | CONTRACTOR TO VERIFY BREAKERS PROVIDED AND SUPPLY AND INSTALL BREAKERS SUITABLE FOR PANEL. VERIFY MANUFACTURER WITH BUILDING SUPPLIER PRIOR TO ORDERING. |       |                          |         |   |   | Phase A Total     |       | 2132 W | 6.1 A           |         |
|          |                                                  |   |                                                                                                                                                          |       |                          |         |   |   | Phase B Total     |       | 1770 W | 5.1 A           |         |
|          |                                                  |   |                                                                                                                                                          |       |                          |         |   |   | TOTAL             |       | 3902 W | 16.3 A          |         |

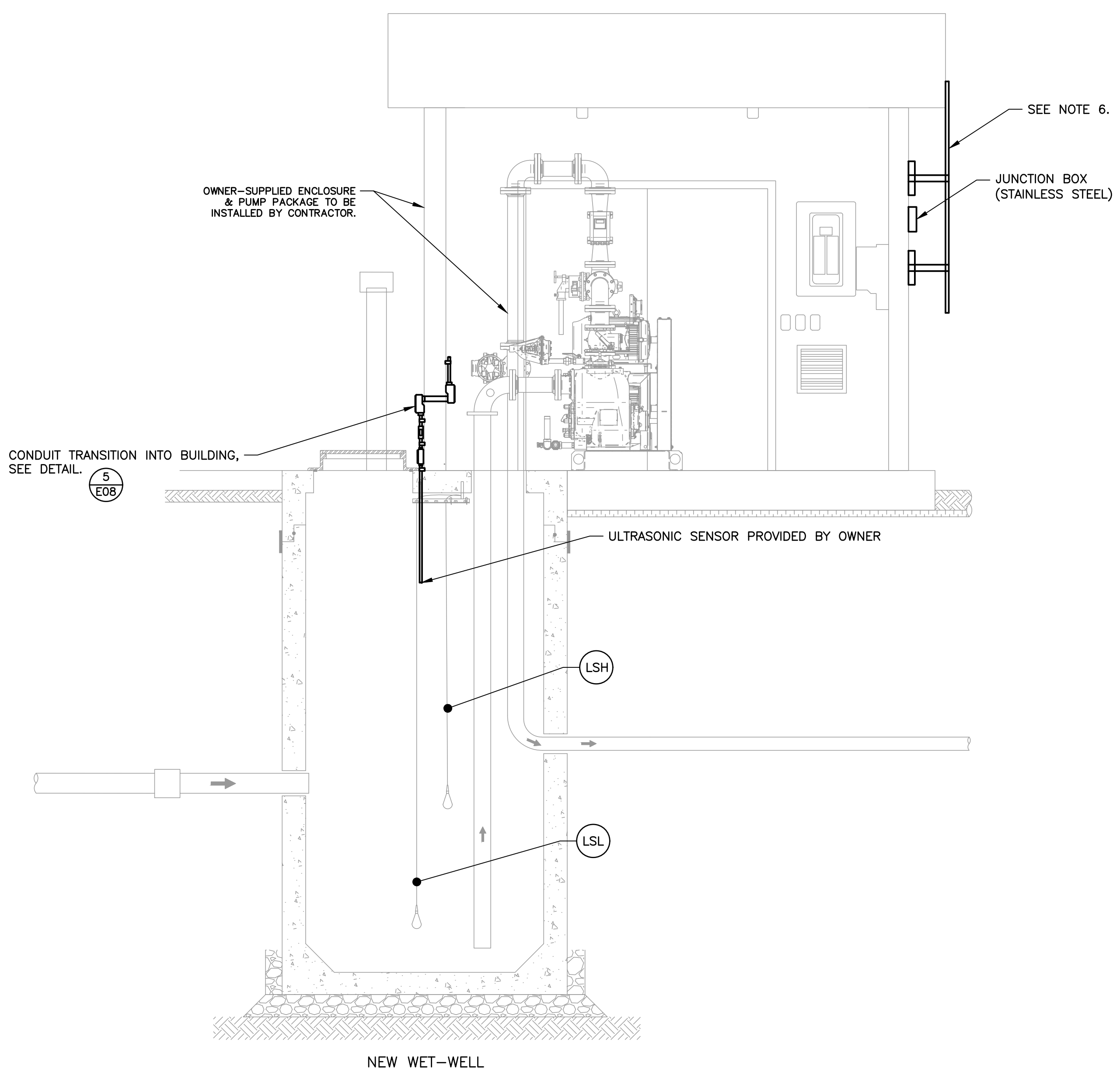
NOTES:

- ALL DIMENSIONS ARE IN MILLIMETERS.
- LOCATION OF EXISTING SERVICES, STRUCTURES AND BUILDINGS APPROXIMATE ONLY. CONTRACTOR TO CONFIRM IN FIELD PRIOR TO EXCAVATION.
- UNLESS OTHERWISE NOTED, ELECTRICAL EQUIPMENT IS NEW.
- REMOVE DISCONNECT SWITCH, CONTROL PANEL, METER, PANEL AND ALL OTHER ASSOCIATED ELECTRICAL INCLUDING CONDUIT, WIRING, FITTINGS, SUPPORTS ETC.
- EXHAUST FAN IS INTERLOCKED WITH MOTORIZED DAMPER ACTUATOR AND CONTROLLED VIA REVERSE ACTING THERMOSTAT.
- PROVIDE RIGID STEEL ANTENNA MAST C/W STAINLESS STEEL SUPPORTS ATTACHED BUILDING FOR IR1101 OMNI ANTENNA. PROVIDE JUNCTION BOX AND COORDINATE REQUIREMENTS WITH AFNWA. ANTENNA AND CABLING PROVIDED BY AFNWA. MAKE ALL PENETRATIONS WATER TIGHT.
- EQUIPMENT TO BE SUPPLIED WITH THE BUILDING IS DETAILED IN THE PRESELECTED EQUIPMENT SUBMITTAL. CONTRACTOR TO SUPPLY AND INSTALL POWER CABLE AND CONDUITS TO ASSOCIATED DEVICES PROVIDED WITH THE BUILDING.
- LOW TEMPERATURE ALARM, H2S SENSOR, SMOKE ALARM, DOOR CONTACTS, INTRUSION ALARM TO BE TIED INTO SCADA.
- BEACON LIGHT. 51XBR SERIES OR APPROVED EQUAL.
- PUMP MOTORS ARE STACKED IN ASSEMBLY. PROVIDE U-CHANNEL STEEL STRUT SUPPORTS TO RUN TECK CABLES FROM CEILING JUNCTION BOX FOR MOTOR CONNECTIONS. REFER TO PRE-SELECTED EQUIPMENT SHOP DRAWINGS.

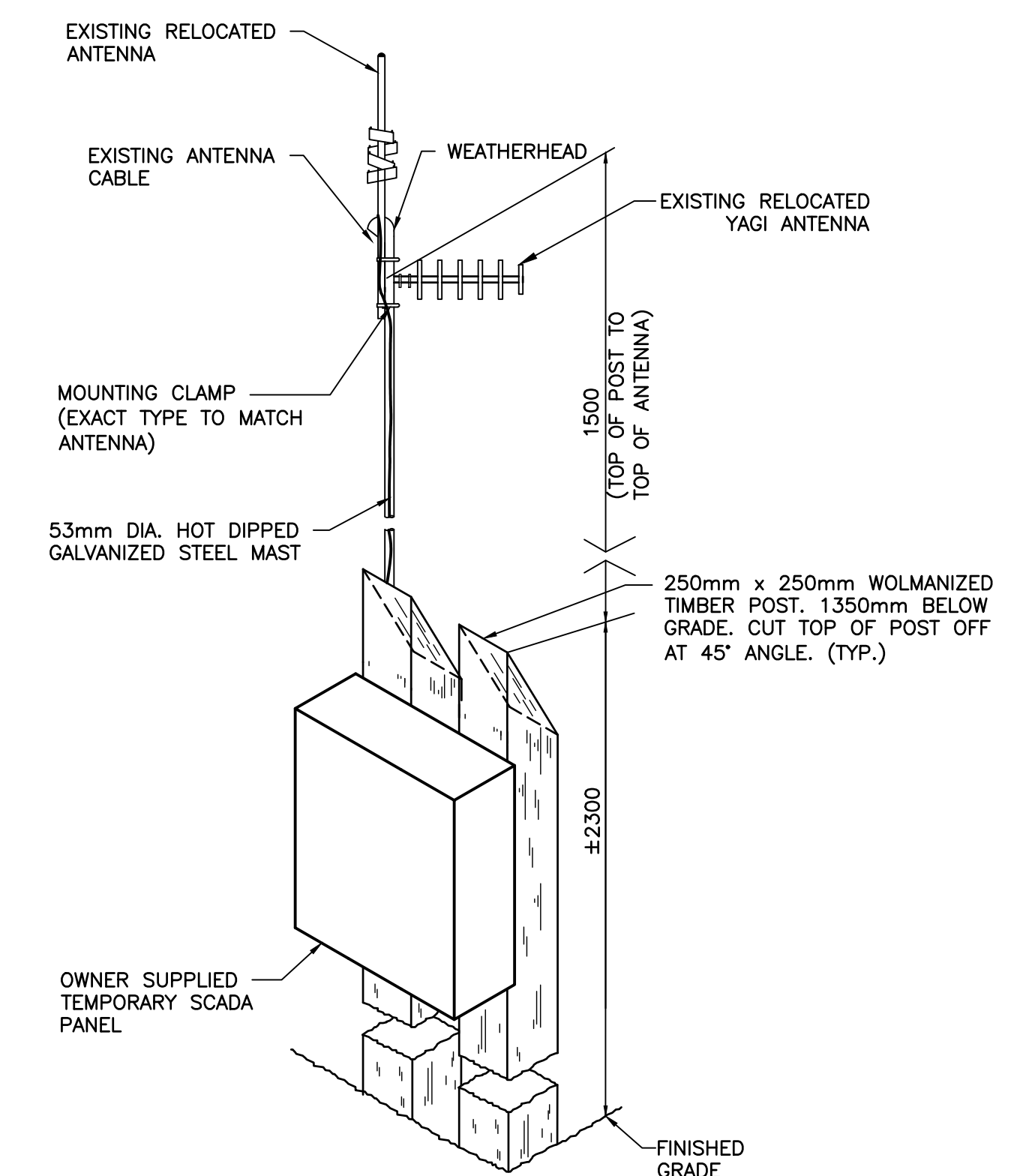


\* INDICATES PREPURCHASED EQUIPMENT

**1 ENLARGED PLAN—SEWAGE LIFT STATION #2 BUILDING LAYOUT**



**A SECTION—SEWAGE LIFT STATION #2 BUILDING LAYOUT**



**2 DETAIL—EQUIPMENT POST FOR OWNER SUPPLIED TEMPORARY SCADA PANEL**

|                                                  |       |                   |     |
|--------------------------------------------------|-------|-------------------|-----|
| Power: 120/240 V 1 ø 3 W                         |       | SYM. IC.: 10000 A |     |
| # OF CKTS.: 24                                   |       | MAINS: 100 A      |     |
| INCOMING:                                        |       | MAIN BKR: A       |     |
| Designation                                      | CKT # | Watts             | BKR |
| GFCI RECEPTACLE                                  | 1     | 160               | 20A |
| LIGHTING                                         | 3     | 70                | 15A |
| EMERGENCY LIGHTING                               | 5     | 72                | 15A |
| CONTROL PANEL 6NQ_LS2_RTU01                      | 7     | 200               | 15A |
| CONTROL PANEL 6NQ_LS2_RTU01 (UTILITY RECEPTACLE) | 9     | 200               | 15A |
| SPARE                                            | 17    |                   | 15A |
| SPARE                                            | 19    |                   | 15A |
| SPARE                                            | 21    |                   | 15A |
| SPARE                                            | 23    |                   | 15A |
| Designation                                      | CKT # | Watts             | BKR |
| 3kW UNIT HEATER                                  | 2     | 1500              | 20A |
| EXHAUST FAN                                      | 4     | 1500              | 2P  |
| PUMP 1                                           | 6     | 200               | 15A |
| PUMP 2                                           | 8     | 1824              | 70A |
| PUMP 2                                           | 10    | 1824              | 2P  |
| PUMP 2                                           | 12    | 1824              | 70A |
| PUMP 2                                           | 14    | 1824              | 2P  |
| PUMP 2                                           | 16    | 1824              | 20A |
| SPARE                                            | 18    |                   | 20A |
| SPARE                                            | 20    |                   | 20A |
| SPARE                                            | 22    |                   | 20A |
| SPARE                                            | 24    |                   | 20A |

|          |   |                                                                                                                                                          |               |         |        |
|----------|---|----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|---------|--------|
| REMARKS: | 1 | CONTRACTOR TO VERIFY BREAKERS PROVIDED AND SUPPLY AND INSTALL BREAKERS SUITABLE FOR PANEL. VERIFY MANUFACTURER WITH BUILDING SUPPLIER PRIOR TO ORDERING. | Phase A Total | 5780 W  | 16.7 A |
|          |   |                                                                                                                                                          | Phase B Total | 7242 W  | 20.9 A |
|          |   |                                                                                                                                                          | TOTAL         | 13022 W | 54.3 A |

- NOTES:**
- ALL DIMENSIONS ARE IN MILLIMETERS.
  - LOCATION OF EXISTING SERVICES, STRUCTURES AND BUILDINGS APPROXIMATE ONLY. CONTRACTOR TO CONFIRM IN FIELD PRIOR TO EXCAVATION.
  - UNLESS OTHERWISE NOTED, ELECTRICAL EQUIPMENT IS NEW.
  - REMOVE DISCONNECT SWITCH, CONTROL PANEL, METER, PANEL AND ALL OTHER ASSOCIATED ELECTRICAL INCLUDING CONDUIT, WIRING, FITTINGS, SUPPORTS ETC.
  - EXHAUST FAN IS INTERLOCKED WITH MOTORIZED DAMPER ACTUATOR AND CONTROLLED VIA REVERSE ACTING THERMOSTAT.
  - PROVIDE RIGID STEEL ANTENNA MAST C/W STAINLESS STEEL SUPPORTS ATTACHED TO BUILDING FOR IR1101 OMNI ANTENNA. PROVIDE JUNCTION BOX AND COORDINATE REQUIREMENTS WITH AFNWA. ANTENNA AND CABLING PROVIDED BY AFNWA. MAKE ALL PENETRATIONS WATER TIGHT.
  - EQUIPMENT TO BE SUPPLIED WITH THE BUILDING IS DETAILED IN THE PRESELECTED EQUIPMENT SUBMITTAL. CONTRACTOR TO SUPPLY AND INSTALL POWER CABLE AND CONDUITS TO ASSOCIATED DEVICES PROVIDED WITH THE BUILDING.
  - LOW TEMPERATURE ALARM, H2S SENSOR, SMOKE ALARM, DOOR CONTACTS, INTRUSION ALARM TO BE TIED INTO SCADA.
  - BEACON LIGHT: 51XBR SERIES OR APPROVED EQUAL.
  - PUMP MOTORS ARE STACKED IN ASSEMBLY. PROVIDE U-CHANNEL STEEL STRUT SUPPORTS TO RUN TECK CABLES FROM CEILING JUNCTION BOX FOR MOTOR CONNECTIONS. REFER TO PRE-SELECTED EQUIPMENT SHOP DRAWINGS.

|     |                   |            |    |
|-----|-------------------|------------|----|
| 0   | ISSUED FOR TENDER | OCT 15, 26 | KD |
| No. | Description       | Date       | By |

Revision or Issue

 ATLANTIC FIRST NATIONS WATER AUTHORITY INC

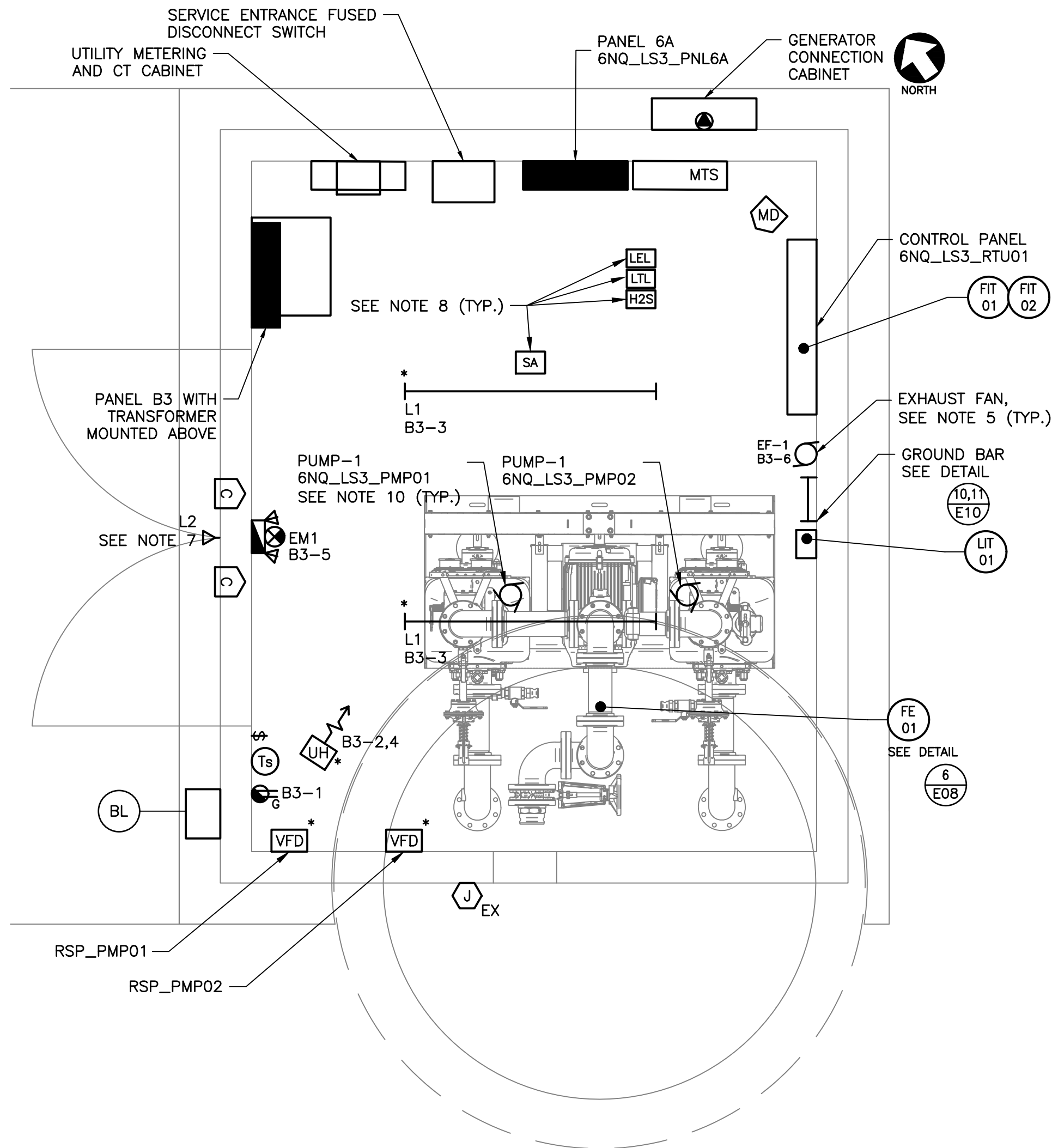
NEQOTKUK FIRST NATIONS  
WASTEWATER LIFT STATIONS  
RENEWAL PROJECT

ELECTRICAL  
ENLARGED SITE PLANS,  
ELEVATIONS AND DETAIL  
SEWAGE LIFT  
STATION #2



REGISTERED PROFESSIONAL ENGINEER  
Project of New Brunswick  
M8779  
K.A. Domokos  
2026-10-15  
DESIGNER  
INGÉNIEUR IMMATRICULÉ

CBCL No 252912.00  
Date OCT. 2025  
Scale AS NOTED  
Designed KD  
Checked RR  
Sheet No 18 of 22  
Drawing No  
Contract No  
Scale  
Drawn MJM  
Approved KD  
E06



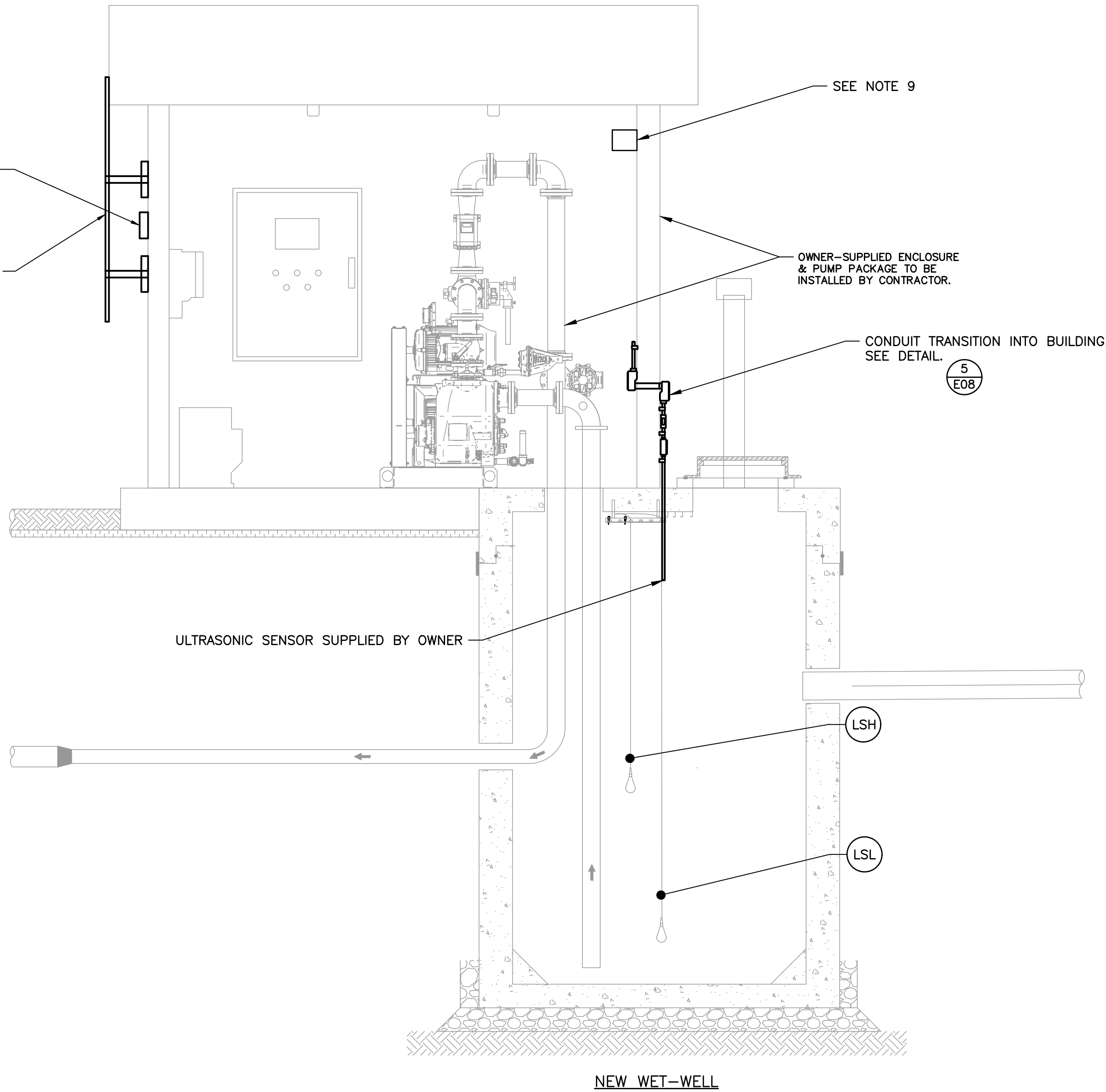
\* INDICATES PREPURCHASED EQUIPMENT

**1 ENLARGED PLAN—SEWAGE LIFT STATION #3 BUILDING LAYOUT**

E07

0 400 800 1200 1600 2000mm

1:20



**A SECTION—SEWAGE LIFT STATION #3 BUILDING LAYOUT**

E07

0 500 1000 1500 2000 2500mm

1:25

|          |                                                  |  |  |  |  |  |  |  |  |   |                                                                                                                                                          |       |     |       |   |   |     |       |       |                 |                   |  |  |  |  |  |  |  |   |   |         |        |  |  |  |  |  |  |  |  |  |
|----------|--------------------------------------------------|--|--|--|--|--|--|--|--|---|----------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----|-------|---|---|-----|-------|-------|-----------------|-------------------|--|--|--|--|--|--|--|---|---|---------|--------|--|--|--|--|--|--|--|--|--|
| Remarks  | Power: 120/240 V 1 ø 3 W                         |  |  |  |  |  |  |  |  |   | PANEL B3                                                                                                                                                 |       |     |       |   |   |     |       |       |                 | SYM. IC.: 10000 A |  |  |  |  |  |  |  |   |   | Remarks |        |  |  |  |  |  |  |  |  |  |
|          | # OF CKTS.: 24                                   |  |  |  |  |  |  |  |  |   | LOCATION LIFT STATION #3                                                                                                                                 |       |     |       |   |   |     |       |       |                 | MAINS: 100 A      |  |  |  |  |  |  |  |   |   |         |        |  |  |  |  |  |  |  |  |  |
|          | INCOMING:                                        |  |  |  |  |  |  |  |  |   |                                                                                                                                                          |       |     |       |   |   |     |       |       |                 | MAIN BKR: A       |  |  |  |  |  |  |  |   |   |         |        |  |  |  |  |  |  |  |  |  |
|          | Designation                                      |  |  |  |  |  |  |  |  |   | CKT #                                                                                                                                                    | Watts | BKR | PHASE | a | b | BKR | Watts | CKT#  | Designation     |                   |  |  |  |  |  |  |  |   |   |         |        |  |  |  |  |  |  |  |  |  |
| 1        | GFCI RECEPTACLE                                  |  |  |  |  |  |  |  |  |   | 1                                                                                                                                                        | 160   | 20A | X     |   |   | 20A | 1500  | 2     | 3kW UNIT HEATER |                   |  |  |  |  |  |  |  |   | 1 |         |        |  |  |  |  |  |  |  |  |  |
| 1        | LIGHTING                                         |  |  |  |  |  |  |  |  |   | 3                                                                                                                                                        | 70    | 15A | X     |   |   | 2P  | 1500  | 4     |                 |                   |  |  |  |  |  |  |  |   |   |         |        |  |  |  |  |  |  |  |  |  |
| 1        | EMERGENCY LIGHTING                               |  |  |  |  |  |  |  |  |   | 5                                                                                                                                                        | 72    | 15A | X     |   |   | 15A | 200   | 6     | EXHAUST FAN     |                   |  |  |  |  |  |  |  |   | 1 |         |        |  |  |  |  |  |  |  |  |  |
| 1        | CONTROL PANEL 6NQ_LS3_RTU01                      |  |  |  |  |  |  |  |  |   | 7                                                                                                                                                        | 200   | 15A | X     |   |   |     |       | 8     |                 |                   |  |  |  |  |  |  |  |   |   |         |        |  |  |  |  |  |  |  |  |  |
| 1        | CONTROL PANEL 6NQ_LS3_RTU01 (UTILITY RECEPTACLE) |  |  |  |  |  |  |  |  |   | 9                                                                                                                                                        | 200   | 15A | X     |   |   |     |       | 10    |                 |                   |  |  |  |  |  |  |  |   |   |         |        |  |  |  |  |  |  |  |  |  |
|          |                                                  |  |  |  |  |  |  |  |  |   | 11                                                                                                                                                       |       |     | X     |   |   |     |       | 12    |                 |                   |  |  |  |  |  |  |  |   |   |         |        |  |  |  |  |  |  |  |  |  |
|          |                                                  |  |  |  |  |  |  |  |  |   | 13                                                                                                                                                       |       |     | X     |   |   |     |       | 14    |                 |                   |  |  |  |  |  |  |  |   |   |         |        |  |  |  |  |  |  |  |  |  |
|          |                                                  |  |  |  |  |  |  |  |  |   | 15                                                                                                                                                       |       |     | X     |   |   |     |       | 16    |                 |                   |  |  |  |  |  |  |  |   |   |         |        |  |  |  |  |  |  |  |  |  |
| 1        | SPARE                                            |  |  |  |  |  |  |  |  |   | 17                                                                                                                                                       |       | 15A | X     |   |   | 20A | 18    | SPARE |                 |                   |  |  |  |  |  |  |  | 1 |   |         |        |  |  |  |  |  |  |  |  |  |
| 1        | SPARE                                            |  |  |  |  |  |  |  |  |   | 19                                                                                                                                                       |       | 15A | X     |   |   | 20A | 20    | SPARE |                 |                   |  |  |  |  |  |  |  | 1 |   |         |        |  |  |  |  |  |  |  |  |  |
| 1        | SPARE                                            |  |  |  |  |  |  |  |  |   | 21                                                                                                                                                       |       | 15A | X     |   |   | 20A | 22    | SPARE |                 |                   |  |  |  |  |  |  |  | 1 |   |         |        |  |  |  |  |  |  |  |  |  |
| 1        | SPARE                                            |  |  |  |  |  |  |  |  |   | 23                                                                                                                                                       |       | 15A | X     |   |   | 20A | 24    | SPARE |                 |                   |  |  |  |  |  |  |  | 1 |   |         |        |  |  |  |  |  |  |  |  |  |
| FEEDER:  |                                                  |  |  |  |  |  |  |  |  |   |                                                                                                                                                          |       |     |       |   |   |     |       |       | SOURCE:         |                   |  |  |  |  |  |  |  |   |   |         |        |  |  |  |  |  |  |  |  |  |
| Remarks: |                                                  |  |  |  |  |  |  |  |  | 1 | CONTRACTOR TO VERIFY BREAKERS PROVIDED AND SUPPLY AND INSTALL BREAKERS SUITABLE FOR PANEL. VERIFY MANUFACTURER WITH BUILDING SUPPLIER PRIOR TO ORDERING. |       |     |       |   |   |     |       |       |                 | Phase A Total     |  |  |  |  |  |  |  |   |   | 2132 W  | 6.1 A  |  |  |  |  |  |  |  |  |  |
|          |                                                  |  |  |  |  |  |  |  |  |   |                                                                                                                                                          |       |     |       |   |   |     |       |       |                 | Phase B Total     |  |  |  |  |  |  |  |   |   | 1770 W  | 5.1 A  |  |  |  |  |  |  |  |  |  |
|          |                                                  |  |  |  |  |  |  |  |  |   |                                                                                                                                                          |       |     |       |   |   |     |       |       |                 | TOTAL             |  |  |  |  |  |  |  |   |   | 3902 W  | 16.3 A |  |  |  |  |  |  |  |  |  |

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS.
2. LOCATION OF EXISTING SERVICES, STRUCTURES AND BUILDINGS APPROXIMATE ONLY. CONTRACTOR TO CONFIRM IN FIELD PRIOR TO EXCAVATION.
3. UNLESS OTHERWISE NOTED, ELECTRICAL EQUIPMENT IS NEW.
4. REMOVE DISCONNECT SWITCH, CONTROL PANEL, METER, PANEL AND ALL OTHER ASSOCIATED ELECTRICAL INCLUDING CONDUIT, WIRING, FITTINGS, SUPPORTS ETC.
5. EXHAUST FAN IS INTERLOCKED WITH MOTORIZED DAMPER ACTUATOR AND CONTROLLED VIA REVERSE ACTING THERMOSTAT.
6. PROVIDE RIGID STEEL ANTENNA MAST C/W STAINLESS STEEL SUPPORTS ATTACHED TO BUILDING FOR IR1101 OMNI ANTENNA. PROVIDE JUNCTION BOX AND COORDINATE REQUIREMENTS WITH AFNWA. ANTENNA AND CABLING PROVIDED BY AFNWA. MAKE ALL PENETRATIONS WATER TIGHT.
7. EQUIPMENT TO BE SUPPLIED WITH THE BUILDING IS DETAILED IN THE PRE-SELECTED EQUIPMENT SUBMITTAL. CONTRACTOR TO SUPPLY AND INSTALL POWER CABLE AND CONDUITS TO ASSOCIATED DEVICES PROVIDED WITH THE BUILDING.
8. LOW TEMPERATURE ALARM, H2S SENSOR, SMOKE ALARM, DOOR CONTACTS, INTRUSION ALARM TO BE TIED INTO SCADA.
9. BEACON LIGHT: 51XBR SERIES OR APPROVED EQUAL.
10. PUMP MOTORS ARE STACKED IN ASSEMBLY. PROVIDE U-CHANNEL STEEL STRUT SUPPORTS TO RUN TECK CABLES FROM CEILING JUNCTION BOX FOR MOTOR CONNECTIONS. REFER TO PRE-SELECTED EQUIPMENT SHOP DRAWINGS.

|     |                   |           |    |
|-----|-------------------|-----------|----|
| 0   | ISSUED FOR TENDER | OCT 15,26 | KD |
| No. | Description       | Date      | By |

Revision or Issue



ATLANTIC FIRST NATIONS  
WATER AUTHORITY INC

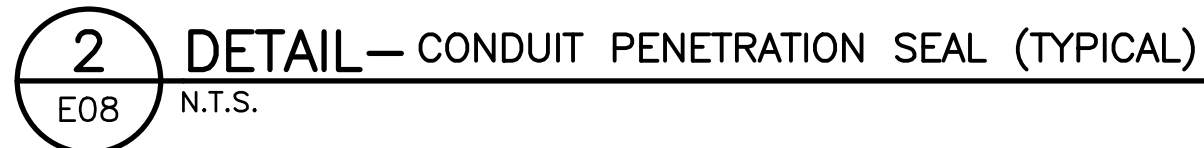
NEQOTKUK FIRST NATIONS  
WASTEWATER LIFT STATIONS  
RENEWAL PROJECT

ELECTRICAL  
ENLARGED SITE PLANS,  
ELEVATIONS AND DETAIL  
SEWAGE LIFT  
STATION #3

CBCL

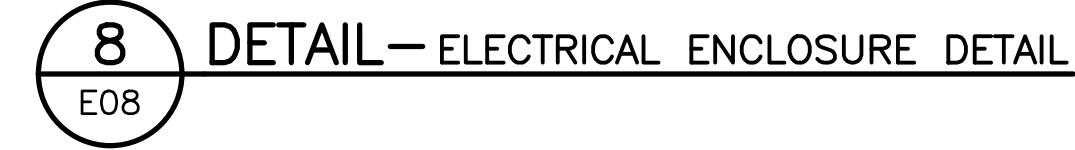


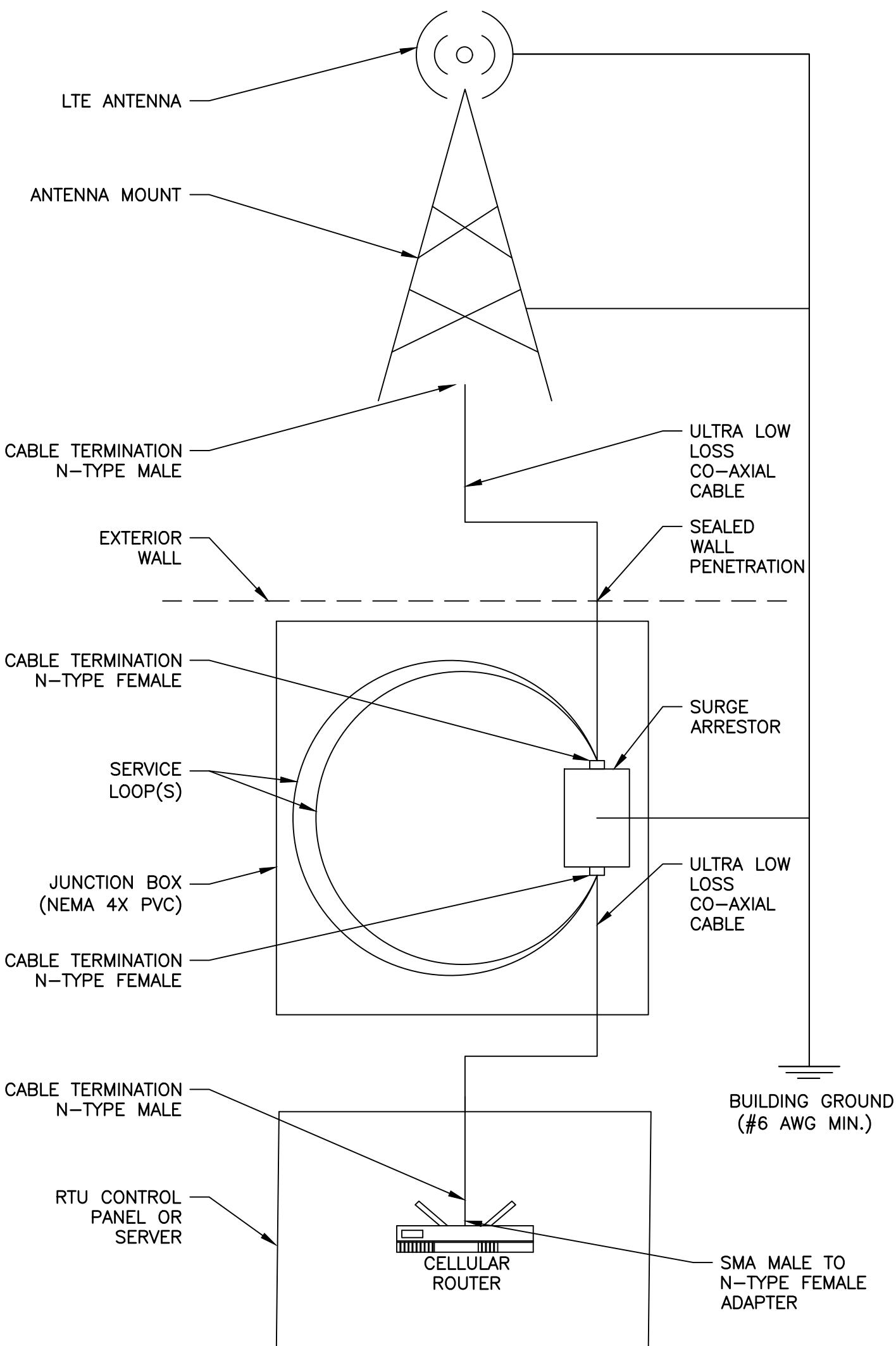
|                      |                   |
|----------------------|-------------------|
| CBCL No<br>252912.00 | Contract No       |
| Date<br>OCT. 2025    | Scale<br>AS NOTED |
| Designed<br>KD       | Drawn<br>MJM      |
| Checked<br>RR        | Approved<br>KD    |
| Sheet No<br>19       | of 22             |
| Drawing No<br>E07    |                   |



4 DETAIL—HAZARDOUS AREA CLASSIFICATION  
E08 N.T.S. NOTES 1, 2, 3, 4, 5, & 6

- | 0   | ISSUED FOR TENDER | OCT 15/26 | KD |
|-----|-------------------|-----------|----|
| No. | Description       | Date      | By |





**3**  
E9 **DETAIL — ANTENNA INSTALLATION**  
(FOR INFORMATION ONLY)

- NOTES:**
- 2" RIGID STEEL MAST WITH WEATHERHEAD. BOND WEATHER HEAD TO BUILDING GROUND.

|     |                   |           |    |
|-----|-------------------|-----------|----|
|     |                   |           |    |
|     |                   |           |    |
|     |                   |           |    |
|     |                   |           |    |
|     |                   |           |    |
| 0   | ISSUED FOR TENDER | OCT 15/26 |    |
| No. | Description       | Date      | By |

Revision or Issue

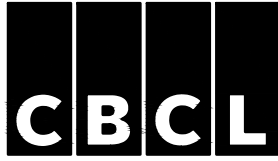


ATLANTIC FIRST NATIONS  
WATER AUTHORITY INC

NEQOTKUK FIRST NATIONS  
WASTEWATER LIFT STATIONS  
RENEWAL PROJECT

ELECTRICAL

ELECTRICAL DETAILS 2 OF 3





CBCL No  
252912.00

Date  
OCT. 2025

Designed  
KD

Checked  
RR

Sheet No  
21

Drawing No  
**E09**

Contract No

Scale  
AS NOTED

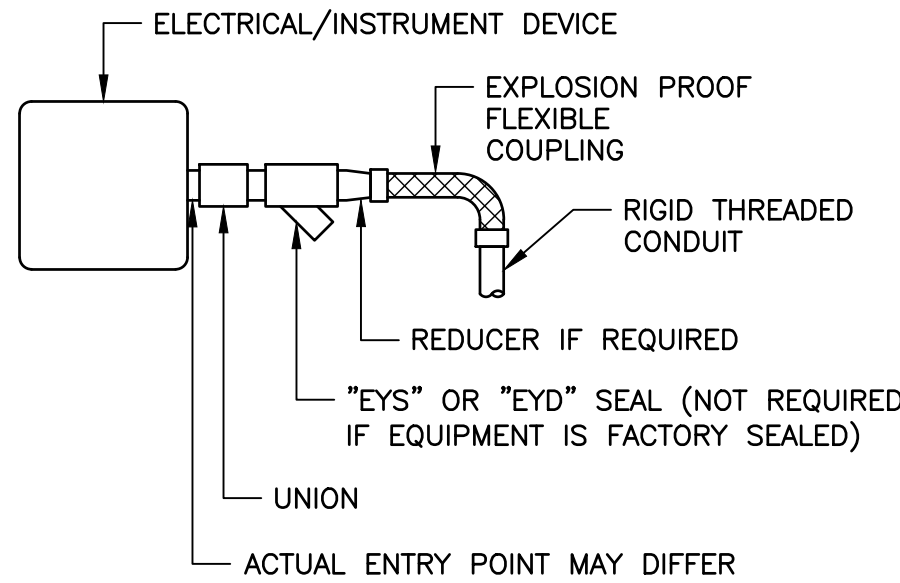
Drawn  
MM

Approved  
KD

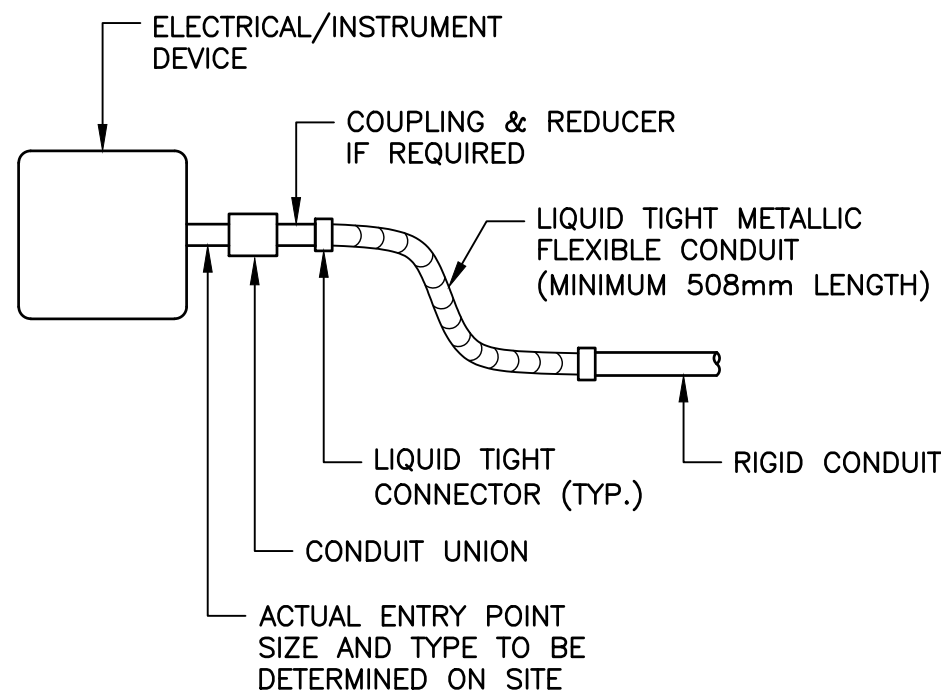
of  
22

DRAWING NAME: Y:\SAINT JOHN\DATA\PROJECTS\2025\252912.00 NEQOTKUK LIFT STATIONS 1-3\44 CAD\05 ELEC\252912.00 - E09.DWG LAYOUT NAME: E9 PLOT DATE: October 15, 2026 8:15:07 AM CAD OPERATOR: KDOMOKOS

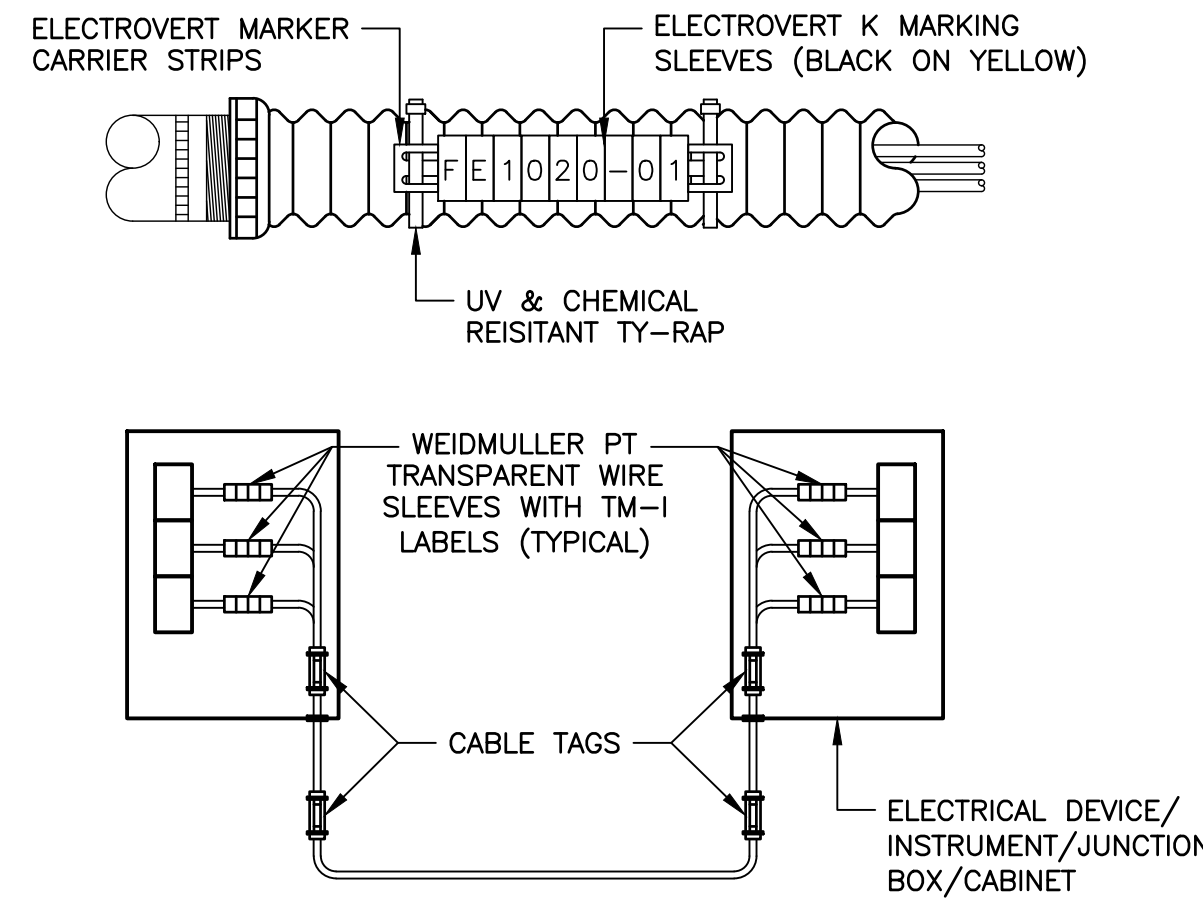
CBCL 610x914 TITLE SHEET (ARCH D)



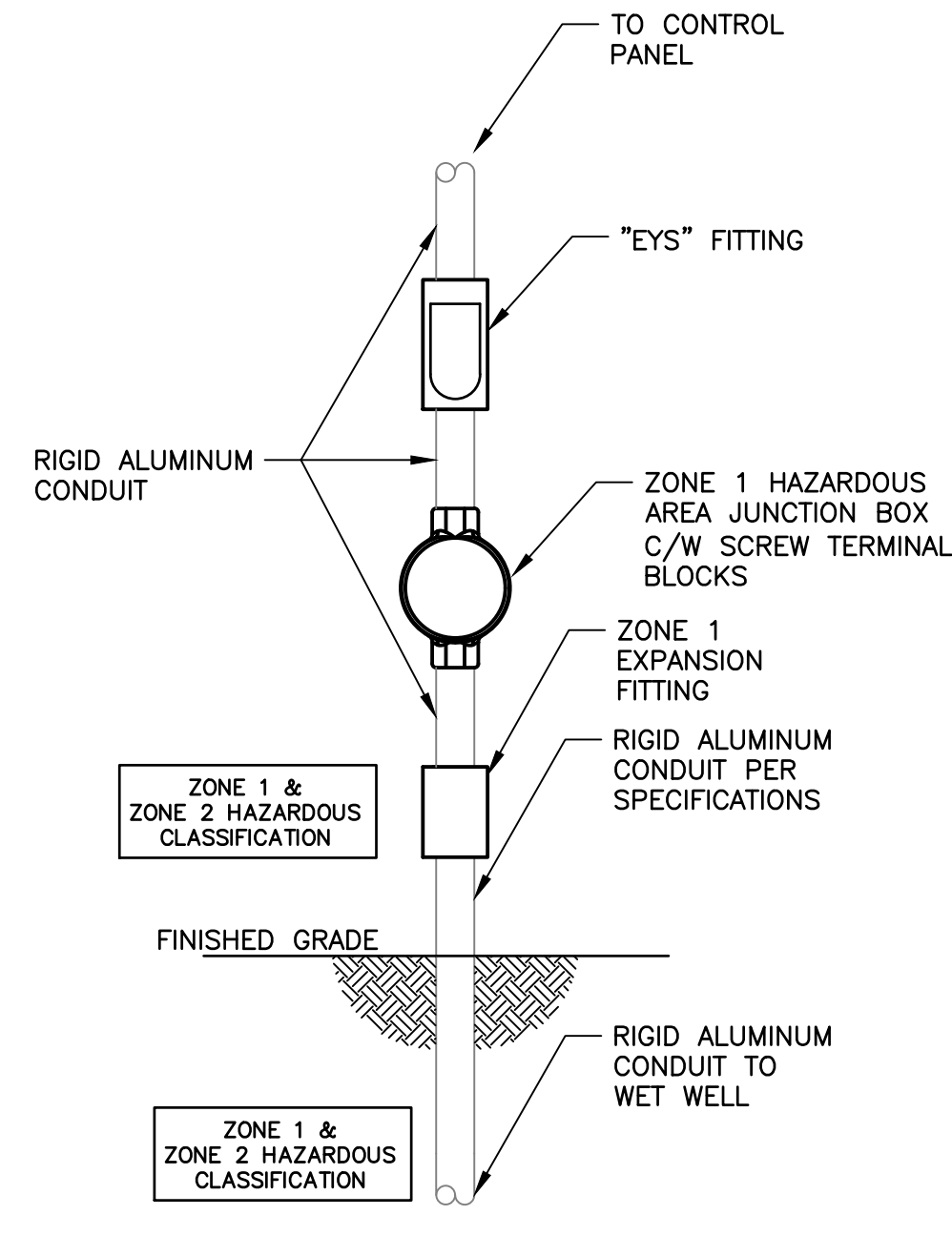
**1** **DETAIL— (ZONE 1/2 HAZARDOUS AREAS)**  
E10 N.T.S.



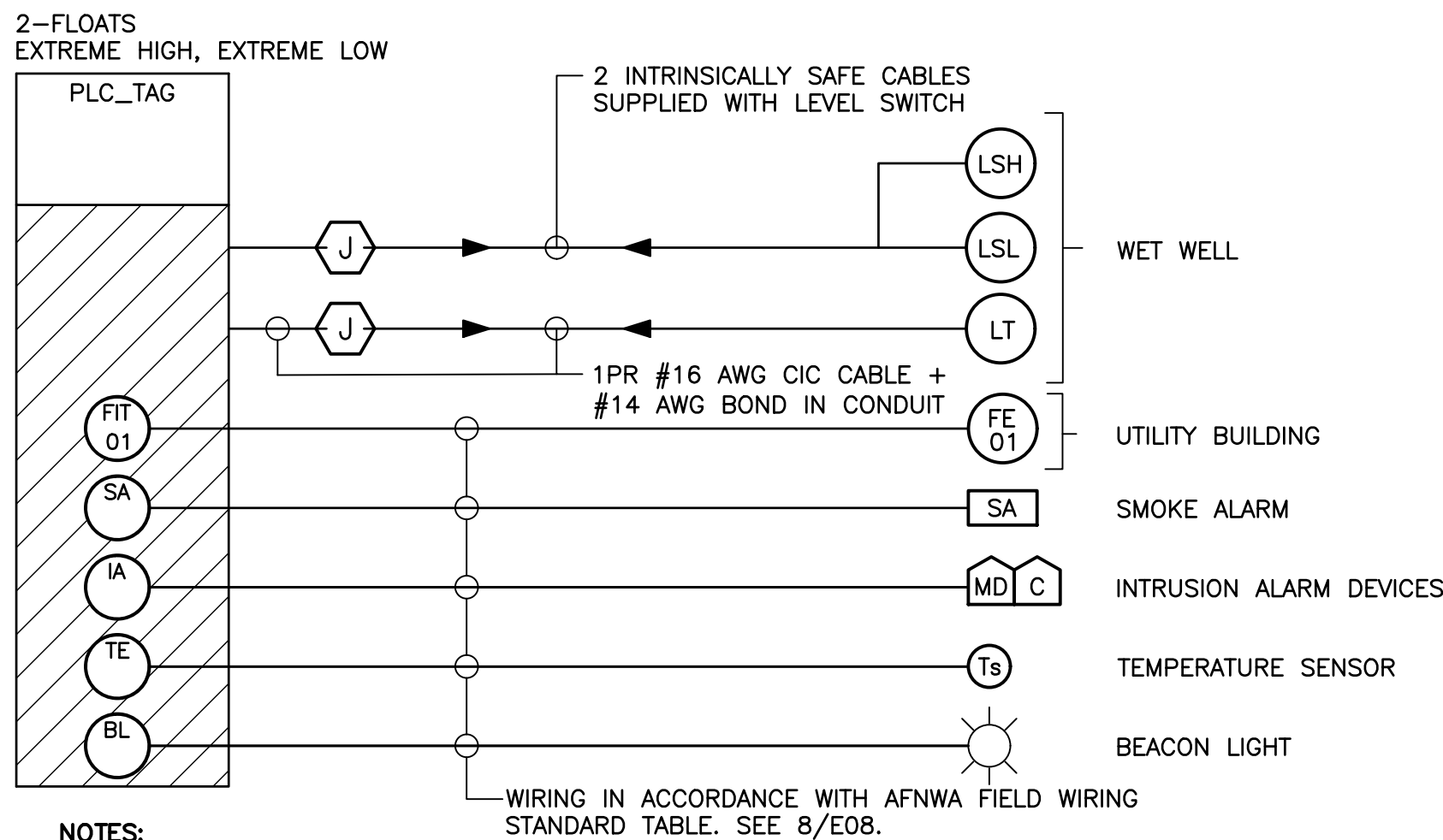
**2** **DETAIL— (NON-HAZARDOUS)**  
E10 N.T.S.



**3** **DETAIL— CABLE & CONDUCTOR IDENTIFICATION**  
E10 N.T.S.

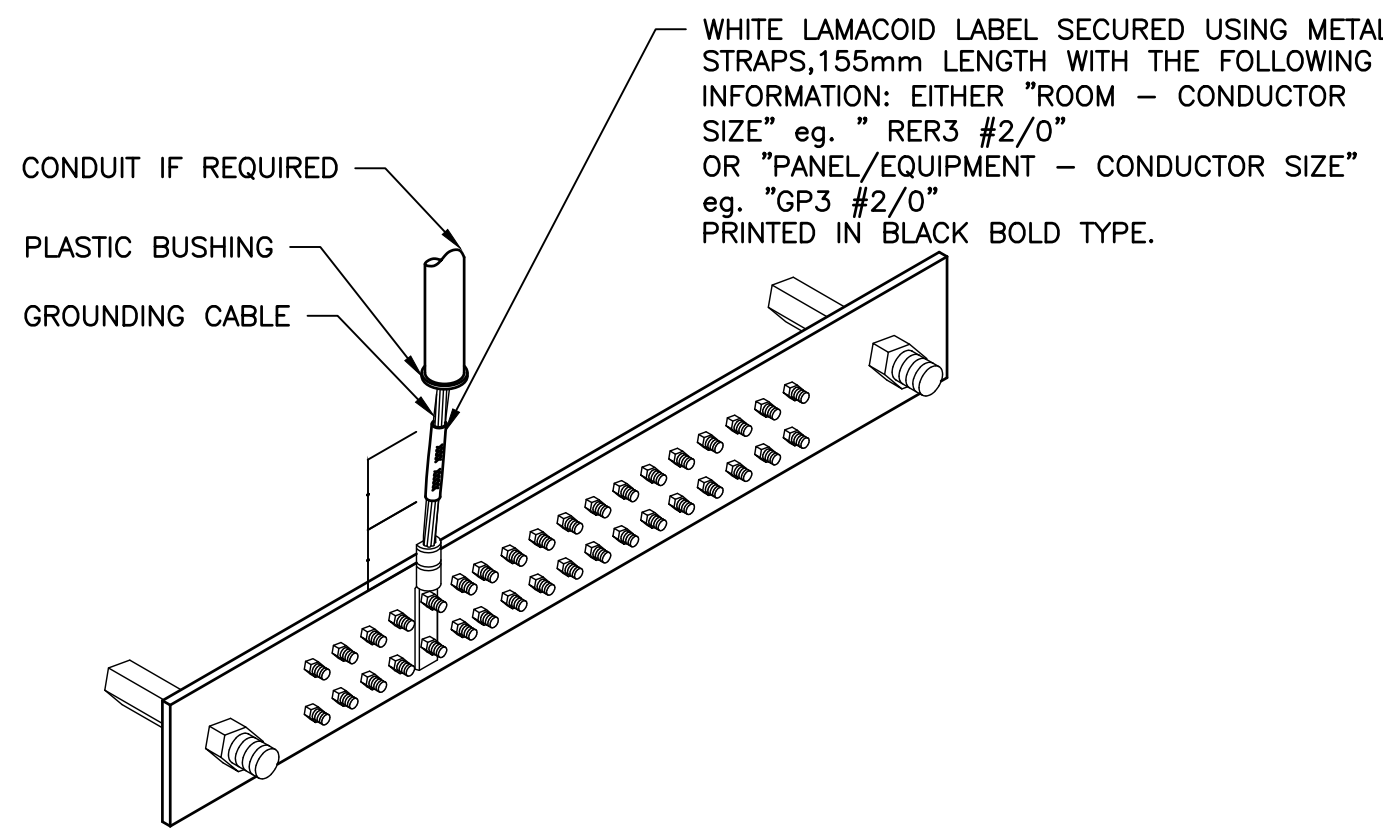


**4** **DETAIL— HAZARDOUS AREA (TYPICAL)**  
E10 N.T.S.

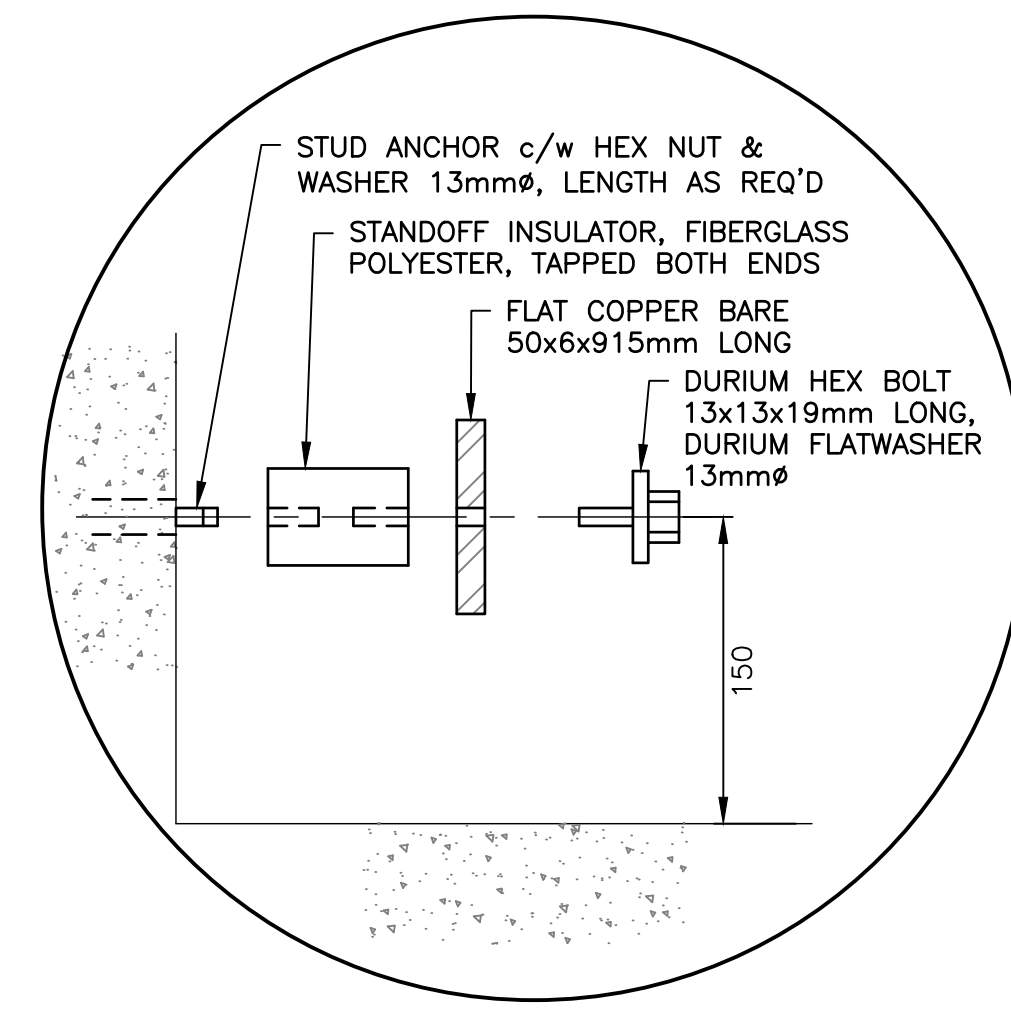


**NOTES:**  
1. THIS CONTROL PANEL BLOCK DIAGRAM IS SHOWN FOR GENERAL SCOPING ONLY. ALL WIRING AND CABLING REQUIREMENTS TO BE CONFIRMED WITH AFNWA. PLC LAYOUT BY AFNWA.

**5** **DETAIL— PUMP STATION CONTROLS BLOCK DIAGRAM (TYPICAL)**  
E10 N.T.S.



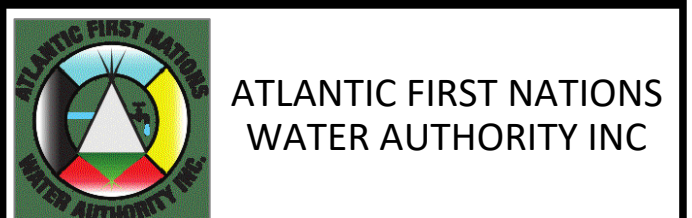
**6** **DETAIL—GROUND CONDUCTOR IDENTIFICATION**  
E10 N.T.S.



**7** **DETAIL—GROUND BAR INSTALLATION**  
E10 N.T.S.

|     |                   |           |    |
|-----|-------------------|-----------|----|
|     |                   |           |    |
|     |                   |           |    |
|     |                   |           |    |
|     |                   |           |    |
| 0   | ISSUED FOR TENDER | OCT 15/26 | KD |
| No. | Description       | Date      | By |

Revision or Issue



NEQOTKUK FIRST NATIONS  
WASTEWATER LIFT STATIONS  
RENEWAL PROJECT

ELECTRICAL

ELECTRICAL DETAILS 3 OF 3



|  |                           |                   |
|--|---------------------------|-------------------|
|  | CBCL No.<br>252912.00     | Contract No.      |
|  | Date<br>OCT. 2025         | Scale<br>AS NOTED |
|  | Designed<br>KD            | Drawn<br>MJM      |
|  | Checked<br>RR             | Approved<br>KD    |
|  | Sheet No.<br>22           | of 22             |
|  | Drawing No.<br><b>E10</b> |                   |