

27 April 2022

Sugar Terminal Limited  
c/- Aurecon, Kate Large  
PO Box 1060  
MACKAY QLD 4740

Dear Ms Large

## DECISION NOTICE – APPROVAL WITH CONDITIONS – DA2021/05/01

(GIVEN UNDER SECTION 63 PLANNING ACT 2016)

### 1. Application Details

This development application was **properly made** to the Gladstone Ports Corporation Limited on **17 August 2021** and changed (change other) on **27 October 2021** and (minor changes) **21 March 2022** and **28 March 2022**.

<b>Application Number:</b>	DA2021/05/01
<b>Applicant Name:</b>	Sugar Terminal Limited
<b>Applicant Contact Details:</b>	Kate Large Aurecon PO Box 1060 MACKAY QLD 4740  Email: <a href="mailto:Kate.Large@arecongroup.com">Kate.Large@arecongroup.com</a>
<b>Approvals Sought (Land Use Plan):</b>	<ol style="list-style-type: none"> <li>1. Material change of use for loading and unloading infrastructure and activities (Common User Infrastructure)</li> <li>2. Operational work involving excavating and filling</li> <li>3. Operational work involving engineering work or landscaping work associated with a material change of use</li> <li>4. Operational work that is tidal work</li> </ol>
<b>Approval Sought (SARA - SDAP):</b>	<ol style="list-style-type: none"> <li>5. Material change of use for Environmentally Relevant Activities - ERA 50 (1a and 2)</li> <li>6. Operational work that is tidal work or work in a coastal management district</li> </ol>
<b>Details of Proposed Development:</b>	Common User Infrastructure project
<b>Location Street Address:</b>	46 Wharf Drive BURNETT HEADS QLD 4670

<b>Location Real Property Description:</b>	Lot 3 on SP133687, Lot 501 on SP279707, Lot 2 on SP137256, Lot 276 on SP128643, Lot 1 on SP308111 and Lot 1 on RP122698
<b>Land Owner:</b>	Gladstone Ports Corporation Limited Department of Resources
<b>Land Use Plan Precinct:</b>	Strategic Port Land – Port Industry Precinct and Wharves Precinct

## 2. Details Of Proposed Development

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Installation of Common User Infrastructure for the purpose of loading vessels at Sir Thomas Hiley Wharf with dry bulk materials e.g. grain, ilmenite, silica sand, woodchip etc. The infrastructure includes conveyors, transfer towers, galleries, modifications to exist ship loading equipment for new products including new chute.

## 3. Details Of Decision

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This development application was **decided** on **27 April 2022**.

This development application is **approved in full with conditions**. These conditions are set out in Attachment 1 and are clearly identified to indicate whether the assessment manager or a concurrence agency imposed them.

This application **is not** taken to have been approved (a deemed approval) under section 64(5) of the *Planning Act 2016*.

## 4. Details Of Approval

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This development approval is a **Development Permit** given for:

- (a) Material Change of Use for Loading and Unloading infrastructure and activities (Common User Infrastructure)
- (b) Operational work that is tidal works, where not excluded tidal works
- (c) Operational works involving excavating and filling
- (d) Operational work involving engineering work or landscaping work associated with a material change of use
- (e) Material Change of Use for Environmentally Relevant Activity - Bulk Material Handling within 5km of a waterway ;
- (f) Operational work that is tidal work or work in a coastal management district

## 5. Conditions

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This development approval is subject to the conditions in Attachment 1 - Part 1 and Part 2.

## 6. Further Development Permits

Please be advised that the following development permits are required to be obtained before the development can be carried out:

- (a) Operational work involving placing an advertising device on premises, where not in the Marina precinct or Wharves precinct;
- (b) Operational work involving placing an advertising device on premises, where in the Marina precinct or Wharves precinct;
- (c) Any approvals for building works;
- (d) Any approvals for plumbing and drainage works;
- (e) Any Operational works that is tidal works for stormwater/ drainage infrastructure, where not excluded works

## 7. Referral Agencies for the Application

The referral agencies for this application are:

For an application involving	Name of referral agency	Address
Planning Regulation 2017 – (a) Material Change of Use for Environmentally Relevant Activity - Bulk Material Handling within 5km of a waterway ( <i>Planning Regulation 2017</i> reference Schedule 10, part 5, division 2); (b) Operational work that is tidal works or work in a coastal management district ( <i>Planning Regulation 2017</i> reference Schedule 10, part 17, division 3, table 1); and (c) Operational work that is tidal works or work in a coastal management district ( <i>Planning Regulation 2017</i> reference Schedule 10, part 17, division 3, table 2).	State Assessment Referral Agency - Department of State Development, Infrastructure, Local Government and Planning	Wide Bay Burnett State Assessment Referral Agency (SARA) PO Box 979 BUNDABERG QLD 4670 <a href="mailto:WBBSARA@dsgmip.qld.gov.au">WBBSARA@dsgmip.qld.gov.au</a>

### (d) Environmental Authority

Environmentally Authority No. P-EA-100147468 for:

- ERA 50 – Mineral and bulk material handling – 2 – Loading or unloading 100t or more of bulk materials in a day, other than loading or unloading mentioned in item 3, or storing bulk materials; and
- ERA 50 – Mineral and bulk material handling – 1(1) – Loading or unloading 100t or more of minerals in a day, other than loading or unloading mentioned in item 3, or storing 50,000t or more of minerals – within 5km of the highest astronomical tide or 1km of a watercourse.

### (e) Approved Plans and Specifications

Copies of the following plans, specifications and/or drawings are approved and enclosed in Attachment 2:

Drawing/report title	Prepared by	Date	Reference no.	Version	Approval subject to the following changes
<b>Aspect of development: Material Change of Use and Operational works (Land Use Plan)</b>					
Overall site layout plan - Stage 1A	Linear Engineering	06/10/21	255220-C-002	E	
Site layout plan - Stage 1A	Linear Engineering	06/10/21	255220-C-003	E	
Bulk earthworks layout plan - Stage 1A	Linear Engineering	06/10/21	255220-C-004	C	
Bulk earthworks sections - Stage 1A	Linear Engineering	06/10/21	255220-C-005	C	
Bulk Earthworks Layout Plan – Stage 1A	Linear Engineering	30/06/21	255220-C-101	A	
Overall site layout plan – Stage 1B	Linear Engineering	06/10/21	255220-C-102	C	
Site layout plan – Stage 1B	Linear Engineering	06/10/21	255220-C-103	C	As amended 27/04/22
Bulk earthworks layout plan	Linear Engineering	06/10/21	255220-C-104	C	As amended 27/04/22
Bulk earthworks sections – Stage 1B	Linear Engineering	06/10/21	255220-C-105	C	
Bulk earthworks layout plan – Stage 1B	Linear Engineering	30/06/21	255220-C-121	A	
Bulk Earthworks – Stage 1B	Linear Engineering	30/06/21	255220-C-131	A	
Fencing arrangement - Sheet 1	Linear Engineering	24/09/21	255200-G-008	B	
Fencing arrangement - Sheet 2	Linear Engineering	24/09/21	255200-G-009	B (A)	
Chainwire security fencing	Linear Engineering	24/09/21	255000-S-029	A	
Services - Potable water arrangement	Linear Engineering	06/09/21	255210-P-011	A	
Services - Potable water details	Linear Engineering	06/09/21	255210-P-012	A	As amended 27/04/22
Services - Fire systems arrangement	Linear Engineering	11/08/21	255200-P-014	A	
Services - Fire systems details	Linear Engineering	31/08/21	255200-P-015	A	

New conveyors – General Arrangement Plan	Linear Engineering	30/08/21	255200-G-003	B	
New conveyors - Existing underground services	Linear Engineering	30/08/21	255200-G-004	B	
New conveyors - Data sheet	Linear Engineering	20/07/21	255200-M-010	C	
Conveyor hardstand and layout plan – Stage 1A	Linear Engineering	06/10/21	255220-C-007	E	
Conveyor hardstand and pavement longitudinal section	Linear Engineering	06/10/21	255220-C-008	C	
Conveyor hardstand and layout plan	Linear Engineering	06/10/21	255220-C-107	A	
Conveyor hardstand and pavement longitudinal section	Linear Engineering	06/10/21	255220-C-108	C	
Conveyor Hardstand and Pavement Layout plan – Stage 1A	Linear Engineering	30/06/21	255220-C-201	C	
Conveyor Hardstand and Pavement Layout plan – Stage 1B	Linear Engineering	30/06/21	255220-C-221	A	
Yard conveyor 1 - General arrangement sheet 1 of 2	Linear Engineering	30/08/21	255230-M-030	B	
Yard conveyor 1 - General arrangement sheet 1 of 2	Linear Engineering	30/08/21	255230-M-031	B	
Cross conveyor 1 - General arrangement	Linear Engineering	30/08/21	255240-M-050	B	
Stormwater catchment plan – Stage 1A	Linear Engineering	06/10/21	255220-C-010	D	
Stormwater drainage layout plan – Stage 1A	Linear Engineering	06/10/21	255220-C-011	G	As amended 27/04/22
Stormwater drainage long sections - Stage 1A	Linear Engineering	06/10/21	255220-C-012	B	
Stormwater drainage calculations tables - Stage 1A	Linear Engineering	06/10/21	255220-C-013	B	
Stormwater pond layout plan - Stage 1A	Linear Engineering	06/10/21	255220-C-014	D	
Stormwater catchment plan – Stage 1B	Linear Engineering	06/10/21	255220-C-110	C	
Stormwater drainage layout plan – Stage 1B	Linear Engineering	06/10/21	255220-C-111	C	
Stormwater pond layout plan - Stage 1B	Linear Engineering	06/10/21	255220-C-114	C	

Stormwater management plan - General arrangement	Linear Engineering	29/07/21	21255-SK-001	C	
Yard conveyor cross sections - Sheet 1	Linear Engineering	29/07/21	21255-SK-002	C	
Stormwater management plan schematic	Linear Engineering	29/07/21	21255-SK-004	C	As amended 27/04/22
Substation 5 - High voltage reticulation - Site layout drawing	Linear Engineering	03/09/21	255290-E-030	B	
<b>Aspect of development: Operational Work that is Tidal Work (Land Use Plan)</b>					
Conveyor C6 to C7 Transfer - Strengthening Works	Linear Engineering	15/10/21	255250-M-071	0	
Conveyor C7 - Tail End Skirt Modifications	Linear Engineering	15/10/21	255250-M-072	0	
Conveyor C6 to C7 Transfer - Chute Insert Modifications	Linear Engineering	15/10/21	255250-M-073	0	
Conveyor C7 to C10 Transfer - Chute Insert Modifications	Linear Engineering	15/10/21	255250-M-075	0	
Conveyor C10 to C11 Transfer - Chute Insert Modifications	Linear Engineering	15/10/21	255250-M-078	0	
Shiploader - Ilmenite telechute - General arrangement and operating range	Linear Engineering	15/10/21	255260-M-081	0	
Shiploader - Sugar telechute modifications - General arrangement and operating range	Linear Engineering	15/10/21	255260-M-082	0	
Shiploader - Conveyor C11 Head Chute - New Deflector General Arrangement	Linear Engineering	15/10/21	255260-M-084	0	
Shiploader - Conveyor C11 Head Chute - New Deflector Details	Linear Engineering	15/10/21	255260-M-085	0	
Shiploader - Conveyor C11 Head Chute - Modifications Head Chute Top Details	Linear Engineering	15/10/21	255260-M-086	0	
Shiploader - Conveyor C11 Head Chute Lower - Lower Chute Modifications Details	Linear Engineering	15/10/21	255260-M-087	0	
Shiploader - Conveyor C11 Head Chute - Hydraulic Maintenance Platform Details	Linear Engineering	15/10/21	255260-M-088	0	

Shiploader - Telechute Ilmenite & Sugar - Winch Platform General arrangement	Linear Engineering	15/10/21	255260-M-089	0	
Shiploader - Telechute Ilmenite & Sugar - Winch Details and Rope Reeving General Arrangement	Linear Engineering	15/10/21	255260-M-090	0	
Shiploader - Telechute Ilmenite & Sugar - Chute Support and Change Mechanism Details	Linear Engineering	15/10/21	255260-M-091	0	
Shiploader - Telechute Ilmenite & Sugar - Platform Mounted Guide Details	Linear Engineering	15/10/21	255260-M-092	0	
Shiploader - Telechute Ilmenite & Sugar - Winch Platform Structure Details Sheet 1	Linear Engineering	15/10/21	255260-M-093	0	
Shiploader - Telechute Ilmenite & Sugar - Winch Platform Structure Details Sheet 2	Linear Engineering	15/10/21	255260-M-094	0	
Shiploader - Telechute Ilmenite & Sugar - Winch Platform Structure Details Sheet 3	Linear Engineering	15/10/21	255260-M-095	0	
Shiploader - Telechute Ilmenite - General Arrangement	Linear Engineering	15/10/21	255260-M-096	0	
Shiploader - Telechute Ilmenite - Chute Cans Details	Linear Engineering	15/10/21	255260-M-097	0	
Shiploader - Telechute Ilmenite - Slew Assembly Details	Linear Engineering	15/10/21	255260-M-098	0	
Shiploader - Telechute Ilmenite & Sugar - Spoon Chute Detail	Linear Engineering	15/10/21	255260-M-100	0	
Shiploader - Telechute Ilmenite & Sugar - Sheave Support Frame Details	Linear Engineering	15/10/21	255260-M-102	0	
Shiploader - Telechute Ilmenite & Sugar - Supprt Ring & Guides Details	Linear Engineering	15/10/21	255260-M-103	0	

## 12. Currency Period for the Approval

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Pursuant to section 85 of the Planning Act, this development approval will lapse at the end of the periods set out below:

- (a) For Material Change of Use this approval lapses if the first change of use does not happen within 6 years after the approval has effect.
- (b) For all other approvals excluding Reconfiguring a Lot, the approval lapses if the development does not substantially start within 2 years of this approval taking effect.

### (f) Rights of Appeal

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The rights of applicants to appeal to a tribunal or the Planning and Environment Court against decisions about a development application are set out in chapter 6, part 1 of the *Planning Act 2016*. For particular applications, there may also be a right to make an application for a declaration by a tribunal (see chapter 6, part 2 of the *Planning Act 2016*).

**Attachment 3** is an extract from the *Planning Act 2016* that sets down the applicant's appeal rights and the appeal rights of a submitter.

For further information please contact the undersigned on 07 4976 1287 or via email [planning@gpcl.com.au](mailto:planning@gpcl.com.au).

Yours sincerely,

**Erin Clark**  
Principal Planner

Cc: WBBSARA (Department of State Development, Infrastructure, Local Government and Planning)  
Bundaberg Regional Council  
Office of Coordinator General

Enc. Attachment 1: Conditions of Approval  
Part 1 – Conditions imposed by the assessment manager  
Part 2 – Conditions required by the referral agency response  
(Department of State Development, Infrastructure, Local Government and Planning – 28/2/2022)

Attachment 2: Approved plans and specifications

Attachment 3: Extract of appeal provisions



## Attachment 1 Conditions of Approval

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### **PART 1: ASSESSMENT MANAGER CONDITIONS**

In general the development proposal is in compliance with the requirements of Gladstone Ports Corporation Limited (GPC). This development approval is subject to each the following conditions which are stated by GPC, the Assessment Manager.

#### **Part 1a: Approval sought under Planning Act 2016 – Material Change of Use and Operational works on Strategic Port Land and tidal areas**

##### **GENERAL**

1. Development must be carried out generally in accordance with the Approved plans, except where modified by conditions of this permit.
2. Unless otherwise stated, all conditions must be complied with and completed prior to the commencement of the development.
3. Where additional “approval” is required under these conditions by the Assessment Manager (GPC) for drawings or documentation the proponent must submit for review, amend to the satisfaction of, and obtain written approval from the Assessment Manager.

Furthermore, where additional approval is required “prior to works commencing”, for “amendments” or as otherwise required in this Decision, the Assessment Manager will require no less than the following assessment periods, or as agreed in writing by the proponent and Assessment Manager, to initially assess the drawings or documentation submitted:

- a. 15 business days for management plans;
- b. 10 business days for proposals, including engineering drawings or further details.

Should further information be required for assessment, the Assessment Manager will require a further 5 business days to complete the information request / amendment assessment and response.

Works are not to commence and are not deemed approved until any additional drawings or documents have been approved in writing by the Assessment Manager.

4. The proponent must at its cost and expense, keep and maintain the development footprint, including existing services, in a state that is satisfactory to the Assessment Manager.

##### **Amended Plans**

5. Prior to the submission of an Operational Works, Building work application, or commencement of use for Stage 1A, whichever comes first, submit to and have approved by the Assessment Manager, amended drawings/plans and/or documents which incorporate the following relevant to that stage:
  - a. Demonstration of no adverse physical or environmental nuisance from air emissions from loading activities to adjoining port land;
  - b. Demonstration of no adverse physical or environmental contamination from uncontrolled emergency water discharges or washdown water discharges to adjoining port land. The proponent must consider in this solution that where any emergency release of any product to adjoining land must be rectified to the satisfaction of the Assessment Manager;
  - c. Stormwater drainage layout plan to demonstrate formalised stormwater management as per relevant conditions contained in this Approval;
  - d. Pond construction and maintenance;
  - e. Water capture and irrigation infrastructure;
  - f. Washdown water and stormwater quality monitoring and provision of monitoring results to Assessment Manager upon request; and

- g. Details of materials and external finishes and colouring.

Once approved, the amended plans will form part of the Approved plans.

6. Prior to the submission of an Operational Works, Building work application, or commencement of use for Stage 1B, whichever comes first, submit to and have approved by the Assessment Manager amended and updated drawings/plans and/or documents which incorporate the following relevant to that stage:
  - a. Details of stormwater connection to Buss Street stormwater system and pond emergency spillway to Buss Street including agreement from Bundaberg Regional Council;
  - b. Details of vehicle access to Buss Street including agreement from Bundaberg Regional Council;
  - c. Demonstration of no adverse physical or environmental nuisance from air emissions from loading activities to adjoining port land;
  - d. Demonstration of no adverse physical or environmental contamination from uncontrolled emergency water discharges or washdown water discharges to adjoining port land. The proponent must consider in this solution that where any emergency release of any product to adjoining land must be rectified to the satisfaction of the Assessment Manager;
  - e. Pond construction and maintenance;
  - f. New or additional water capture and irrigation infrastructure;
  - g. Location and engineering detail of all services and related infrastructure, including but not limited to water, power and fire systems;
  - h. Washdown water and stormwater quality monitoring and provision of monitoring results to Assessment Manager upon request;
  - i. Details of materials and external finishes and colouring.
  - j. All structural components and construction details of the stage.

Once approved, the amended plans will form part of the Approved plans.

## **ENGINEERING & PLANNING**

7. Prior to works commencing for the relevant stage, the proponent must supply to the Assessment Manager for approval 100% design 'for construction' plans in electronic CAD format which illustrate all infrastructure and services installed on, under or over Port land associated with the development. The drawings must include, but not be limited to:
  - a. Relocated Telstra fibre cable;
  - b. New potable water pipelines;
  - c. Electrical and Mechanical infrastructure;
  - d. Fire water source connections;
  - e. Relocated and new high voltage power infrastructure and associated transformers and motor control centre room.
8. Upon completion of the works, the proponent must supply the Assessment Manager with the full suite of project RPEQ certified "as constructed" plans in electronic CAD format which illustrate all infrastructure and services installed on, under or over Port land associated with the development, including tidal works.
9. Prior to the use commencing, the proponent must certify in writing to the Assessment Manager that the development is constructed as per design and that the development has been constructed generally in accordance with the Approved plans.
10. Loading and unloading activities associated with exporting bulk materials and minerals under this Decision Notice are limited to the following products:

a. Minerals

- Silica sand
- Ilmenite
- Kaolin
- Feldspar
- Gypsum
- Other minerals of similar properties and characteristics, including density, odour, toxicity and dust output, where approved in writing by the Assessment Manager.

b. Materials

- Maize
- Corn
- Sorgham
- Feed grains
- Wood pellets
- Woodchip
- Soil products

11. Records must be kept for each product of tonnes exported per annum and made available to the Assessment Manager upon request.

### Visual Amenity

12. Prior to any works commencing on the construction of the approved use, provide to the Assessment Manager for review and approval, additional details on the external appearance of the approved use and associated structure/s, including but not limited to:

- a. Specifications for material details, including samples of the colours and textures of external building materials;
- b. The inclusion of landscaping and/or screens for visual amenity improvements (including for stabilisation of batters), screens and the like that enhance the visual amenity of the development including the galleries, towers, ground modules and energy/control rooms.

### Outdoor Lighting

13. Any site lighting used during construction / works should not negatively impact on the visibility of Navigational Aids utilised for the primary shipping channels nor illuminate a landward glare beyond the site boundary. Lighting must be reviewed during construction and operations with respect to navigation. Where an issue is identified or a validated complaint received, the proponent must immediately rectify to the satisfaction of the Assessment Manager.

14. The proponent must install Phoenix EMS brand 'illuminator' light (or other similar brand approved by Assessment Manager) where new exterior lighting will be in direct line of sight of the river surface.

15. Prior to works commencing, the proponent must submit for review and approval by the Assessment Manager, details of proposed mitigation measure/s to reduce skyglow from all external lighting associated with the development.

*Note: The proponent may achieve compliance through the use of relevant standards of Bundaberg Regional Council.*

### Fencing

16. Install and maintain security fencing along external boundaries of the premises as indicated on approved plans, Drawing No. 255200-G008 and 255200-G009. Fencing must be constructed of 1.8m high transparent black PVC plastic coated chain wire mesh with black posts, unless otherwise approved by the Assessment Manager.

### **Infrastructure**

17. The applicant must notify the Assessment Manager of damage caused to any port or port user infrastructure or services including, but not limited to, security related devices, buildings, fences, lighting etc., roads, walkways and underground services or infrastructure, as a result of the approved use or during construction. The proponent must undertake necessary repairs at their expense and to the satisfaction of the Assessment Manager.
18. All connection points to existing potable water supply must have an isolation valve installed on either side of the connection.
19. All steelwork must have appropriate corrosion protection measures applied in accordance with GPC Engineering site standard no. GPC-CSS-107 Protective coating unless otherwise approved in writing by the Assessment Manager.

### **Fire Service**

20. An appropriate fire service must be established and maintained to the satisfaction of the relevant authority.

### **Tidal works**

21. Prior to works commencing, the proponent must supply to the Assessment Manager for review and approval, 100% design RPEQ certified "for construction" tidal works drawings in electronic (CAD format) which illustrate all infrastructure and services installed on, under or over Port land in Lot 276 on SP128643.
22. In the event that any aspect of the approved tidal works fails, collapses or otherwise is not fit for purpose as intended, at the expense of the approval holder the works must be:
  - a. reinstated in accordance with this development approval; or
  - b. demolished and disposed of appropriately.
23. Any material which is deposited or any debris which falls or is deposited on tidal lands or into tidal waters during the construction of the approved development shall be removed by the applicant at their cost and expense. The applicant is to notify the Assessment Manager if any material or debris is deposited.
24. Upon completion of construction, the applicant shall provide the Assessment Manager with written confirmation that the seabed is clear of foreign materials.
25. If, as a result of the works, or other cause attributable to the proponent, any Port bank or tidal structure is displaced, the proponent at its cost and expense shall restore the bank or structure to its former condition and take such other action as is necessary to ensure the stability of the bank or structure to the satisfaction of the Assessment Manager.

### **Stormwater**

26. Uncontrolled discharges of contaminated washdown water or contaminated stormwater to the adjoining premises or road network, including Wharf Drive, are not permitted.
27. The irrigation area/s must be in accordance with those approved by the relevant State environment authority and must have formal tenure arrangements where on GPC land.
28. Prior to works commencing for the relevant stage, a lawful point/s of discharge, demonstrating no actionable nuisance, must be established within Lot 276 on SP128643, for all stormwater overflow, exclusive of contaminants.
29. Prior to works commencing, or the submission of any Operational works application, whichever comes first, submit to, and have approved by, the Assessment Manager, a stormwater management plan, prepared by a suitably qualified person to demonstrate all stormwater management requirements within this Approval, including, but not limited to:
  - a. Frequency of rainfall events exceeding the system's capacity;

#### **Gladstone Ports Corporation Limited**

- b. Volume of rainfall/ stormwater that is exceeding the system's capacity
- c. Measures to mitigate any nuisance or damage, including erosion management, safety hazards to vehicles and users of Wharf Drive

### Ground water

30. Unless otherwise approved in writing by the Queensland Government Department of Environment and Science (DES), or subsequent equivalent State agency administering the relevant legislation, any groundwater intercepted during construction activities is deemed to be a regulated waste contaminated with PFAS and must be managed and disposed of in accordance with the Environmental Protection Act 1994 (Qld) and its regulations and policies, unless the proponent has undertaken sampling and testing of the groundwater that has determined per-and poly-fluoroalkyl substances (PFAS) levels are below the regulated waste threshold in the Environmental Protection Regulation 2019 (Qld).

Any written approval received from the Department of Environment and Science (DES), or subsequent equivalent State agency, must be submitted to the Assessment Manager and be approved by the Assessment Manager in writing.

31. A copy of the sampling and analysis report for any groundwater testing must be provided to the Assessment Manager for review and approval prior to disposal of groundwater offsite.

### Construction Management

32. The proponent is required to apply for and obtain from GPC a Permit to Dig/Excavate prior to commencing works by contacting, Port Infrastructure Asset Manager on (07) 4976 1333. All reasonable measures must be taken to identify and protect existing services recorded or otherwise, and where necessary the proponent will submit a plan to GPC for approval to adjust any existing services found during this excavation that was not originally shown on the proposed plans
33. The hours for the construction of the facility (i.e. operation of any machinery and/or other equipment) shall be restricted to between 6.30am and 6:30pm Monday to Saturday. No works shall be undertaken on Sunday or on public holidays. Any variations to these times will be subject to the written approval of the Assessment Manager.
34. Prior to construction works commencing on site, a Construction Traffic Management Plan (CTMP) and Traffic Guidance Scheme (TGS), designed and implemented in accordance with the current edition of the Manual of Uniform Traffic Control Devices, Part 3 – works on roads, and specific to the construction works being undertaken must be submitted to the Assessment manager for approval.

The CTMP must be amended and approved by the Assessment Manager as necessary for any proposed or amended construction works.

35. Once approved, the works must be carried out in accordance with the CTMP and TGS and the plan and scheme will form part of the approved plans.
36. Upon completion of the construction works, the proponent must reinstate the property to the same condition as prior to works being undertaken, with the exception of the approved works, unless agreed to in writing by the Assessment Manager.
37. In the event any additional construction compound is required on port land outside the proponents lease areas for offices, laydown areas, employee car parking or stockpiling areas etc., the proponent or their contractor must obtain a Consent to Enter from GPC's Property Specialist via 07 4976 1334 or [property@gpcl.com.au](mailto:property@gpcl.com.au) prior to works commencing.

38. The construction compound, including offices, laydown areas and employee car parking, is to be contained within the nominated area unless otherwise approved in writing by the Assessment Manager.
39. No mud, dirt or other debris is to be tracked onto public roads during construction and operation of the development.
40. In the event acid sulphate soils are disturbed/excavated and require treatment on site, a site specific Acid sulphate management plan must be submitted to the Assessment Manager for approval prior to such works commencing. Once the management plan is approved, the works must be carried out in accordance with this plan.
41. Prior to disposal of excavated material outside the proponent's lease areas but on Port land, the proponent must submit to the Assessment Manager for approval, the proposed location and volume of material to be transferred to the location.
42. Construction fill material must be uncontaminated and reused from onsite or sourced from a licensed quarry.
43. Prior to the commencement of works, a Construction Environmental Management Plan (EMP) is to be submitted to the Assessment Manager for approval, specific to the development that ensures:
  - a. environmental risks are identified, managed and continually assessed; and
  - b. that staff are trained and aware of their obligations under the CEMP, including a copy of the management plan and development approval available on site at all times; and
  - c. that reviews of environmental performance are undertaken at least annually; and
  - d. any amendments to the CEMP are to be submitted to the Assessment Manager for review and approval; and
  - e. any rehabilitation and decommissioning works where required.

Once approved by the Assessment Manager, the construction of the approved development must be carried out in accordance with this CEMP.

*Note: GPC has a guideline for the development of environmental management plans that may be utilised in meeting the requirements of this condition.*

## **ENVIRONMENT**

### **Operational Environmental Management Plan**

44. Prior to the commencement of the use, an Environmental Management Plan (EMP) is to be submitted to the Assessment Manager for approval, specific to the development that ensures:
  - a. environmental risks are identified, managed and continually assessed; and
  - b. that staff are trained and aware of their obligations under the EMP, including a copy of the management plan and development approval available on site at all times; and
  - c. that reviews of environmental performance are undertaken at least annually; and
  - d. any amendments to the EMP are to be submitted to the Assessment Manager for review and approval; and
  - e. any rehabilitation and decommissioning works where required.

Once approved by the Assessment Manager, the approved development must be carried out in accordance with this EMP.

*Note: GPC has a guideline for the development of environmental management plans that may be utilised in meeting the requirements of this condition.*

**Incident notification**

45. Gladstone Ports Corporation Environment Hotline (07) 4976 1617 is to be notified of the occurrence of any:
  - a. release / spill of contaminants (e.g. fuels / chemicals / sewerage) greater than 250L to land;
  - b. release / spill of contaminants (e.g. fuels / chemicals / sewerage) of any amount to water;
  - c. release / spill of contaminants (e.g. fuels / chemicals / sewerage/bulk material and minerals) of any amount beyond the footprint of the Development Approval;
  - d. any environmental complaints received by the holder of this approval; and
  - e. non-compliance with conditions of this approval or any other environmental approval obtained in relation to the development.
  
46. Environmental incident notification must be included in any Environmental Management Plans for the premises/development.

## Part 1c: Assessment Manager Advice Notes

- A. All other relevant approvals must be obtained before commencement of the development or operation of the development, including any Building works or Plumbing, drainage works or Material change of use e.g. substation. Refer to tables of assessment (Table 4.1 and 4.2) to determine whether proposed development is Accepted subject to requirements or Code assessable.
- B. This decision notice does not represent an approval to commence Building work.
- C. The applicant is advised that parts of this approved development are outside of the proposed formal tenure arrangements i.e. lease. Where tenure is required for the development site, the proponent or their contractor must apply for and obtain appropriate tenure from GPC's Property Advisor via 07 4976 1334 or [property@gpcl.com.au](mailto:property@gpcl.com.au) prior to works commencing.
- D. Where a construction compound, laydown area or acid sulphate soil treatment site is required, the proponent or their contractor is required to apply for and obtain a Consent to Enter from GPC's Property Advisor via 07 4976 1334 or [property@gpcl.com.au](mailto:property@gpcl.com.au) prior to works commencing.
- E. Connections to water and sewerage infrastructure will require Plumbing and Drainage works approvals from a suitably qualified person.
- F. The premises is located on parts of lots that are registered on the Queensland Environmental Management Register. Therefore, disposal of any excavated material off site must be in accordance with relevant legislation, or alternately retained on site in accordance with all relevant legislative requirements.
- G. Any future extensions or improvements to the proposed activity or establishment, including any future car parking or signage are likely subject to assessment under the Port of Bundaberg Land use plan 2020 and the applicant is encouraged to ensure all necessary enquiries are made and approvals obtained.
- H. Where a Permit to Dig/Excavate prior to commencing excavation or digging for the development, the proponent or their contractor is required to apply for and obtain the permit by contacting the Port Infrastructure Asset Manager on 4976 1332 or [bartono@gpcl.com.au](mailto:bartono@gpcl.com.au).
- I. The *Environmental Protection Act* 1994 states that a person must not carry out any activity that causes, or is likely to cause, environmental harm unless the person takes all reasonable and practicable measures to prevent or minimise the harm. Environmental harm includes environmental nuisance. In this regard persons and entities, involved in the civil, earthworks, construction, and operational phases of this development, are to adhere to their 'general environmental duty' to minimise the risk of causing environmental harm.
- J. Where the Applicant is required to submit further documentation to the Assessment Manager, this is to be directed to the Planning section at [planning@gpcl.com.au](mailto:planning@gpcl.com.au), including reference to the allocated development application number.



## **PART 2: REFERRAL AGENCY CONDITIONS**

**Referral Agency Name:** Department of State Development, Infrastructure, Local Government and Planning



SARA reference: 2106-23148 SRA  
 Council reference: DA202/05/01

28 January 2022

Chief Executive Officer  
 Port of Gladstone Ports Corporation Limited  
 PO Box 259  
 GLADSTONE QLD 4680  
 planning@gpcl.com.au

Attention: Judy Horsfall

Dear Ms Horsfall

## SARA Response—Wharf Drive, Buss Street and Powers Street, Burnett Heads—Common User Infrastructure

(Referral agency response given under section 56 of the *Planning Act 2016*)

The development application described below was confirmed as properly referred by the State Assessment and Referral Agency (SARA) on 11 October 2021.

### Response

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Outcome:	Referral agency response – with conditions.
Date of Response:	28 January 2022
Conditions:	The conditions in <b>Attachment 1</b> must be attached to any development approval.
Advice:	Advice to the applicant is in <b>Attachment 2</b> .
Reasons:	The reasons for the referral agency response are in <b>Attachment 3</b> .

### Development Details

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Description:	Development Permit <ul style="list-style-type: none"> <li>Material Change of Use for Loading and Unloading Infrastructure and Activities (Common User Infrastructure) and Environmentally Relevant Activities 50(1)(a) and 50(2)</li> <li>Operational Work involving Excavating and Filling and Engineering and Landscaping Work associated with a Material Change of</li> </ul>
--------------	--

## Use

SARA Role:	Referral Agency
SARA Trigger:	<ul style="list-style-type: none"> <li>Schedule 10, Part 5, Division 4, Table 2, Item 1 of the Planning Regulation 2017 Development application for material change of use for an environmentally relevant activity</li> <li>Schedule 10, Part 17, Division 3, Table 1, Item 1 of the Planning Regulation 2017 Development application for operational work that is tidal works</li> </ul>
SARA Reference:	2106-23148 SRA
Assessment Manager:	Port of Gladstone Ports Corporation Limited
Street Address:	Wharf Drive, Buss Street and Powers Street, Burnett Heads
Real Property Description:	Lot 1 on RP122698, lot 1 on SP308111, lot 276 on SP128643, lot 2 on RP137256, lot 3 on SP133687 and lot 501 on SP279707
Applicant Name:	Sugar Terminals Limited
Applicant Contact Details:	c/- Aurecon PO Box 1060 MACKAY QLD 4740 planning.mackay@aurecongroup.com
Environmental Authority:	<p>This referral included an application for an environmental authority under section 115 of the <i>Environmental Protection Act 1994</i>. Below are the details of the decision:</p> <ul style="list-style-type: none"> <li>Approved</li> <li>Reference: P-EA-100147468</li> <li>Effective date: Date the development application DA202/05/01 is approved by Ports of Gladstone Corporation Limited</li> <li>Prescribed environmentally relevant activity (ERA): ERA 50(1)(a) and ERA 50(2)</li> </ul> <p>If you are seeking further information on the environmental authority, the Department of Environment and Science's website includes a register. This can be found at: <a href="http://www.des.qld.gov.au">www.des.qld.gov.au</a></p>

## Representations

An applicant may make representations to a concurrence agency, at any time before the application is decided, about changing a matter in the referral agency response (s.30 Development Assessment Rules) Copies of the relevant provisions are in **Attachment 4**.

A copy of this response has been sent to the applicant for their information.

For further information please contact Cavannah Deller, Planning Officer, on (07) 4331 5614 or via email [WBBSARA@dasilgp.qld.gov.au](mailto:WBBSARA@dasilgp.qld.gov.au) who will be pleased to assist.

Yours sincerely



Luke Lankowski  
Manager, Planning – Wide Bay Burnett

cc Sugar Terminals Limited, [planning.mackay@aurecongroup.com](mailto:planning.mackay@aurecongroup.com)

enc Attachment 1 - Referral agency conditions  
Attachment 2 - Advice to the applicant  
Attachment 3 - Reasons for referral agency response  
Attachment 4 - Representations provisions  
Attachment 5 - Approved plans and specifications

## Attachment 1—Referral Agency Conditions

(Under section 56(1)(b)(i) of the *Planning Act 2016* the following conditions must be attached to any development approval relating to this application) (Copies of the plans and specifications referenced below are found at Attachment 5)

No.	Conditions	Condition Timing
<b>Operational Work</b>		
Schedule 10, Part 17, Division 3, Table 1, Item 1—The chief executive administering the <i>Planning Act 2016</i> nominates the Director-General of the Department of Environment and Science to be the enforcement authority for the development to which this development approval relates for the administration and enforcement of any matter relating to the following condition(s):		
1.	<p>The proposed development must be carried out generally in accordance with the following plans:</p> <ul style="list-style-type: none"> <li>• BST CUI Sugar Terminal Upgrade, Overall Site Layout Plan, prepared by Linear Engineering dated 6 October 2021, reference 255220-C-002, revision E;</li> <li>• BST CUI Sugar Terminal Upgrade, Site Layout Plan, prepared by Linear Engineering, dated 6 October 2021, reference 255220-C-003, revision E;</li> <li>• BST CUI Sugar Terminal Upgrade, New Conveyors, General Arrangement Plan, prepared by Linear Engineering, dated 30 August 2021, reference 255200-G-003, revision B;</li> <li>• BST CUI Sugar Terminal Upgrade, New Yard Conveyor C22, General Arrangement Sheet 1 of 2, prepared by Linear Engineering, dated 30 August 2021, reference 255230-M-030, revision B;</li> <li>• BST CUI Sugar Terminal Upgrade, Shiploader, Ilmenite Telechute, General Arrangement and Operating Range, prepared by Linear Engineering, dated 7 September 2021, reference 255260-M-081, revision A;</li> <li>• BST CUI Sugar Terminal Upgrade, Shiploader, Existing Sugar Telechute – Modifications, General Arrangement and Operating Range, prepared by Linear Engineering, dated 7 September 2021, reference 255260-M-082, revision A.</li> </ul>	For the duration of the works.
2.	For the proposed works, only use clean materials and ensure that the works do not cause contamination. To achieve this only use materials which are free from contaminants as defined under section 11 of the <i>Environmental Protection Act 1994</i> .	For the duration of works
3.	Erosion and sediment control measures which are in accordance with the <i>Best Practice Erosion and Sediment Control (BPESC) Guidelines for Australia (International Erosion Control Association)</i> , are to be installed and maintained to prevent the release of sediment to tidal waters.	For the duration of works
4.	<p>Should any aspect of the wharf equipment subject to this development approval collapse, fail or otherwise suffer structural consequences which impact their integrity or ability to function as intended, the works must be:</p> <p>(a) reinstated in accordance with this development approval; or</p>	As soon as reasonably practicable subsequent to the damage

	(b) removed and disposed of at an appropriately licensed facility.	
5.	<p>(a) Obtain RPEQ certification confirming that the tidal works, have been constructed in accordance with the Department of Environment and Heritage Protection Guideline 'Building and Engineering Standards for Tidal Works'.</p> <p>(b) A copy of the certification must be provided to palm@des.qld.gov.au or mailed to:</p> <p style="padding-left: 40px;">Department of Environment and Science Permit and Licence Management Implementation and Support Unit GPO Box 2454 BRISBANE QLD 4001</p>	Within two (2) weeks of the completion of the works
6.	<p>Submit "As Constructed drawings" to palm@des.qld.gov.au or mail to:</p> <p style="padding-left: 40px;">Department of Environment and Science Permit and Licence Management Implementation and Support Unit GPO Box 2454 BRISBANE QLD 4001</p>	Within two (2) weeks of the completion of the works
7.	<p>(a) In the event that the works cause disturbance or oxidisation of acid sulfate soil, the affected soil must be treated and thereafter managed (until the affected soil has been neutralised or contained) in accordance with the current <i>Queensland Acid Sulfate Soil Technical Manual: Soil Management Guidelines</i>, prepared by the Department of Science, Information Technology, Innovation and the Arts, 2014.</p> <p>(b) Certification by an appropriately qualified person, confirming that the affected soil has been neutralised or contained, in accordance with (a) above is to be provided to palm@des.qld.gov.au or mailed to:</p> <p style="padding-left: 40px;">Department of Environment and Science Permit and Licence Management Implementation and Support Unit GPO Box 2454 BRISBANE QLD 4001</p> <p>Note: Appropriately qualified person(s) means a person or persons who has professional qualifications, training, skills and experience relevant to soil chemistry or acid sulfate soil management and can give authoritative assessment, advice and analysis in relation to acid sulfate soil management using the relevant protocols, standards, methods or literature.</p>	<p>(a) Upon disturbance or oxidisation until the affected soil has been neutralised or contained</p> <p>(b) At the time the soils have been neutralised or contained</p>

## Attachment 2—Advice to the Applicant

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<b>General Advice</b>	
1.	Terms and phrases used in this document are defined in the <i>Planning Act 2016</i> its regulation or the State Development Assessment Provisions (SDAP) version 2.6. If a word remains undefined it has its ordinary meaning.

## Attachment 3—Reasons for Referral Agency Response

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(Given under section 56(7) of the *Planning Act 2016*)

### The reasons for SARA's decision are:

- The proposed development is for loading and unloading infrastructure and activities at the Port of Bundaberg (involving Environmentally Relevant Activity 50(1)(a) and 50(2) and tidal works), specifically a multi-user conveyor.
- The proposed development maintains coastal processes and will not cause an increase of coastal erosion impacts.
- The proposed development maintains existing access to State coastal land.
- The proposed development has been located and designed to mitigate impacts on environmental values of the natural environment and sensitive receptors.
- Conditions are required to ensure the proposed development complies with State Code 8: Coastal Development and Tidal Works of the State Development Assessment Provisions.

### Material used in the assessment of the application:

- The development application material and submitted plans
- *Planning Act 2016*
- Planning Regulation 2017
- The *State Development Assessment Provisions* (version 2.6), as published by the department
- The Development Assessment Rules
- SARA DA Mapping system
- State Planning Policy mapping system



## **Attachment 4—Change Representation Provisions**

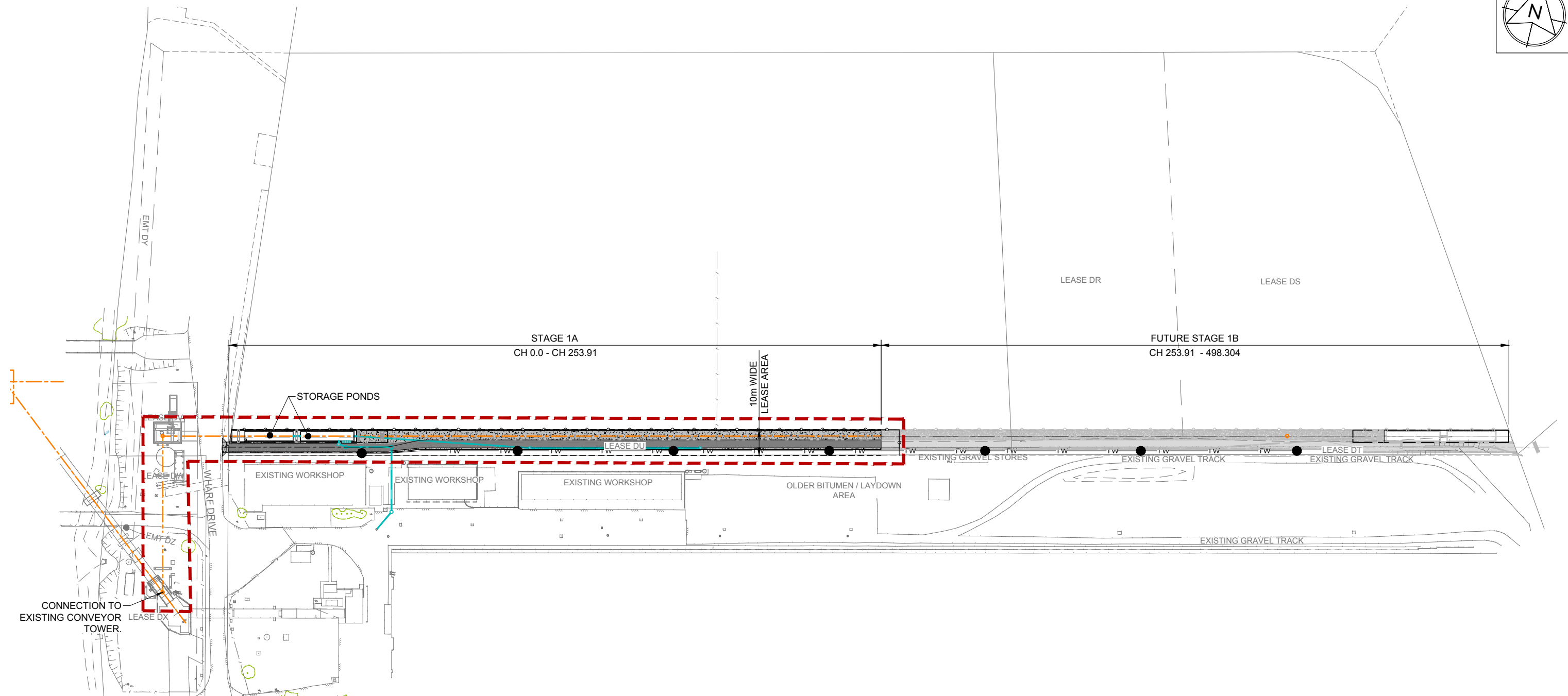
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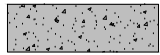



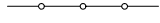


## **Attachment 5—Approved Plans and Specifications**

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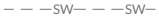


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**LEGEND - PROPOSED**

-  CONCRETE PAVEMENT
-  AC PAVEMENT
-  STORMWATER
-  CONVEYOR CENTERLINE
-  CHAINWIRE FENCE U.N.O.
-  WATER FIRE SERVICE (SHOWN FOR CLARITY ONLY)  
REFER DWG. 255200-P-014 AND 015 FOR DETAILS.
-  STAGE 1A WORKS BOUNDARY

**LEGEND - EXISTING**

-  EDGE OF BITUMEN
-  STORMWATER
-  ELECTRICAL
-  TELSTRA

**PLANS AND DOCUMENTS referred to in the REFERRAL AGENCY RESPONSE**

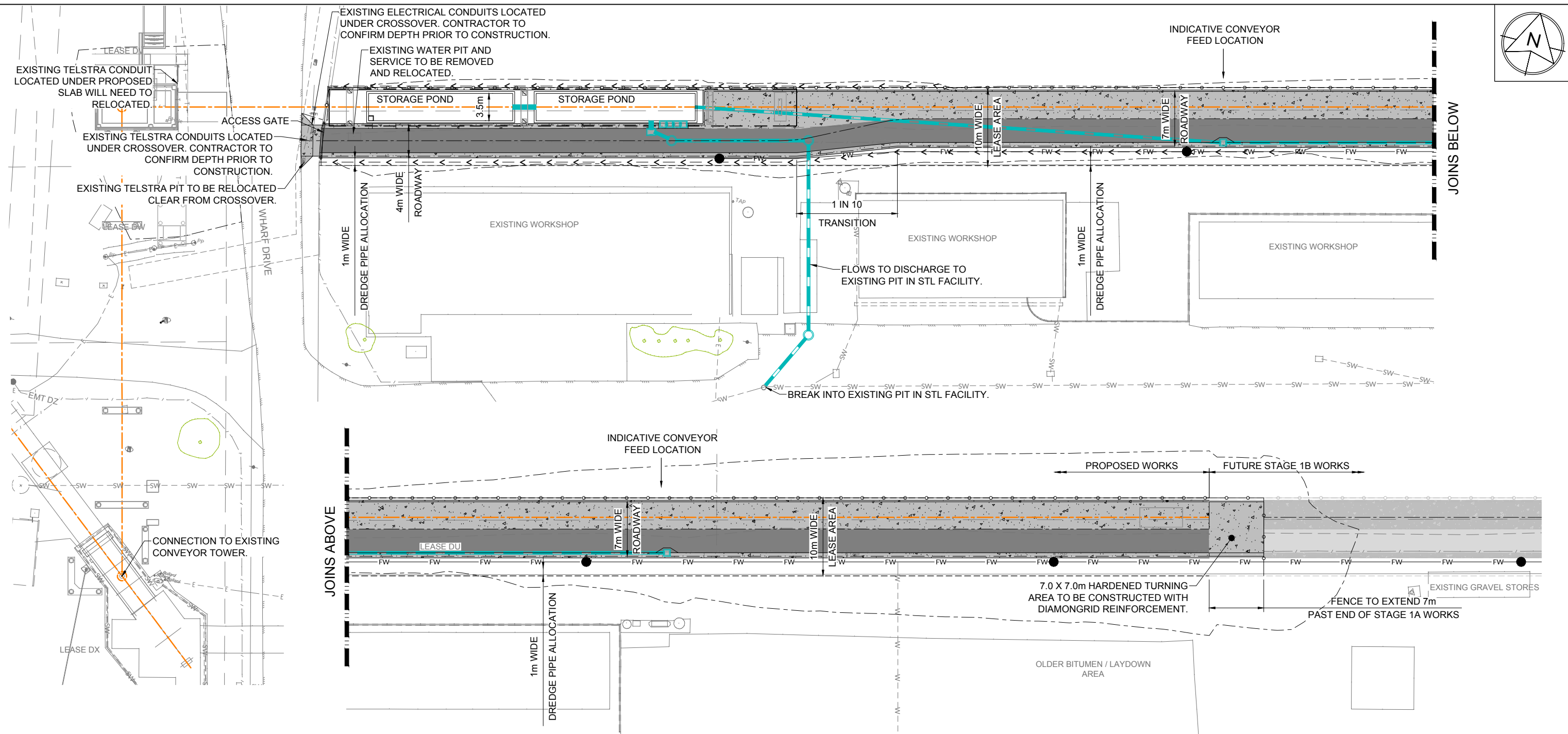


SARA ref: 2106-23148 SRA

Date: 28 January 2022

**SURVEY NOTE:**  
LEASE BOUNDARIES ARE APPROXIMATE ONLY AND ARE TO BE VERIFIED ON SITE BY THE PRINCIPAL SURVEYOR PRIOR TO ANY WORKS COMMENCING.

E	06/10/21	FINAL ISSUE	LT	LT					  Brisbane Office: Level 13/145 Eagle Street, Brisbane QLD 4000 www.lineareng.com.au - Tel: 0410 177 338 <small>THIS DRAWING IS THE INTELLECTUAL PROPERTY OF LINEAR ENGINEERING AND MUST NOT BE USED FOR ANY PURPOSE WHATSOEVER WITHOUT WRITTEN APPROVAL. USE HARD COPY INFORMATION ONLY U.N.O. THIRD ANGLE PROJECTION U.N.O. DO NOT SCALE FROM DRAWING</small>	DRAWN LT 06/10/21 DESIGN LT 06/10/21 VERIFY AG 06/10/21 APPROVED	<b>BST CUI SUGAR TERMINAL UPGRADE OVERALL SITE LAYOUT PLAN</b>	DRAWING No.		
D	31/08/21	ADDED NEW CONVEYOR CL AND REVISED PAVEMENT TYPE	LT	LT								255220-C-002		
C	30/06/21	MINOR AMENDMENTS TO CONCEPT DESIGN	LT	LT								SCALE	REV	A1
B	26/05/21	CONCEPT DESIGN FOR REVIEW	LT	LT								1:750	E	
A	21/05/21	FOR REVIEW	LT	LT										
REV	DATE	REVISION DETAILS	DRN	DES	APP	REFERENCE DRAWINGS	REF NUMBER	CLIENT		PRELIMINARY NOT FOR CONSTRUCTION				



**LEGEND - PROPOSED**

- CONCRETE PAVEMENT
- AC PAVEMENT
- STORMWATER
- CATCH DRAIN
- CONVEYOR CENTERLINE
- CHAINWIRE FENCE U.N.O.
- WATER FIRE SERVICE (SHOWN FOR CLARITY ONLY)  
REFER DWG. 255200-P-014 AND 015 FOR DETAILS.

**LEGEND - EXISTING**

- EDGE OF BITUMEN
- STORMWATER
- ELECTRICAL
- TELSTRA

**PLANS AND DOCUMENTS referred to in the REFERRAL AGENCY RESPONSE**

SARA ref: 2106-23148 SRA

Date: 28 January 2022

**SURVEY NOTE:**  
LEASE BOUNDARIES ARE APPROXIMATE ONLY AND ARE TO BE VERIFIED ON SITE BY THE PRINCIPAL SURVEYOR PRIOR TO ANY WORKS COMMENCING.

E	06/10/21	FINAL ISSUE	LT	LT		  <small>Brisbane Office: Level 13/145 Eagle Street, Brisbane QLD 4000 www.lineareng.com.au - Tel: 0410 177 338</small>	DRAWN	LT	06/10/21	<b>BST CUI SUGAR TERMINAL UPGRADE SITE LAYOUT PLAN</b>	DRAWING No.		
D	31/08/21	ADDED NEW CONVEYOR CL AND REVISED PAVEMENT TYPE	LT	LT			DESIGN	LT	06/10/21				
C	30/06/21	MINOR AMENDMENTS TO CONCEPT DESIGN	LT	LT			VERIFY	AG	06/10/21				
B	26/05/21	CONCEPT DESIGN FOR REVIEW	LT	LT			APPROVED						
A	21/05/21	FOR REVIEW	LT	LT			<b>PRELIMINARY</b>						
REV	DATE	REVISION DETAILS	DRN	DES	APP	REFERENCE DRAWINGS	REF NUMBER	CLIENT		NOT FOR CONSTRUCTION	<b>255220-C-003</b>		
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PLAN


NOTES

1. BASIS OF SETOUT.  
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PSM 36119  
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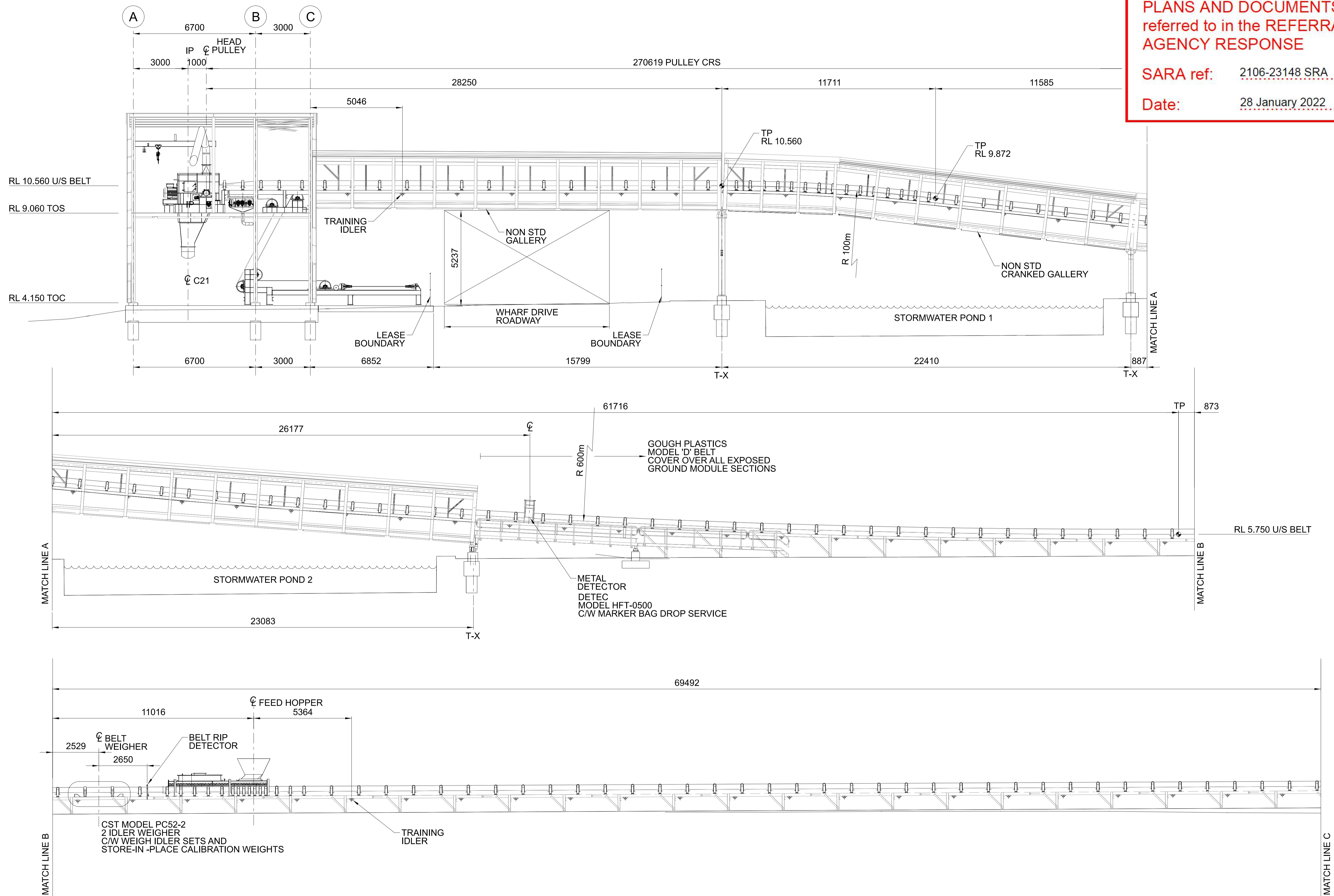
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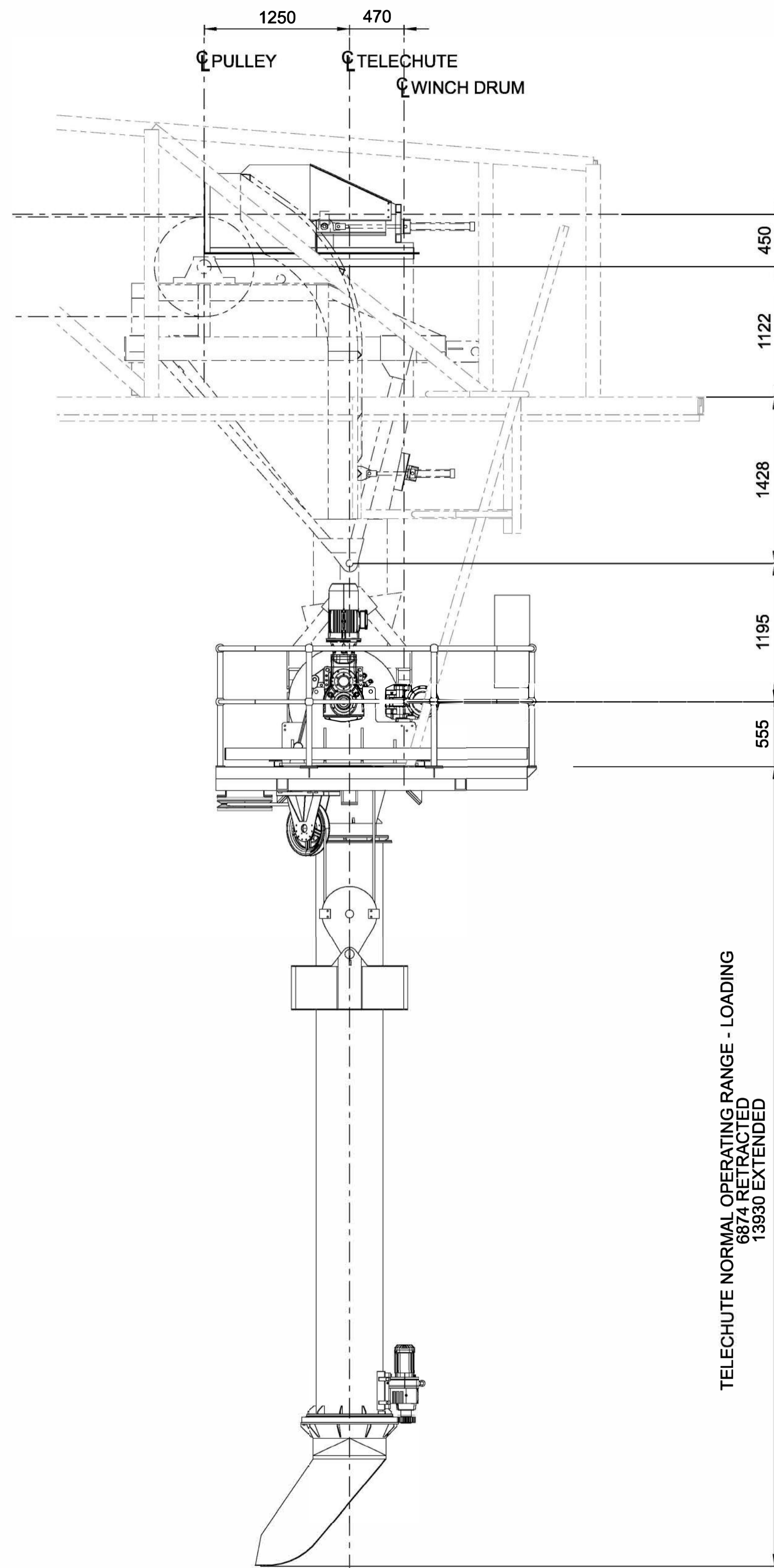
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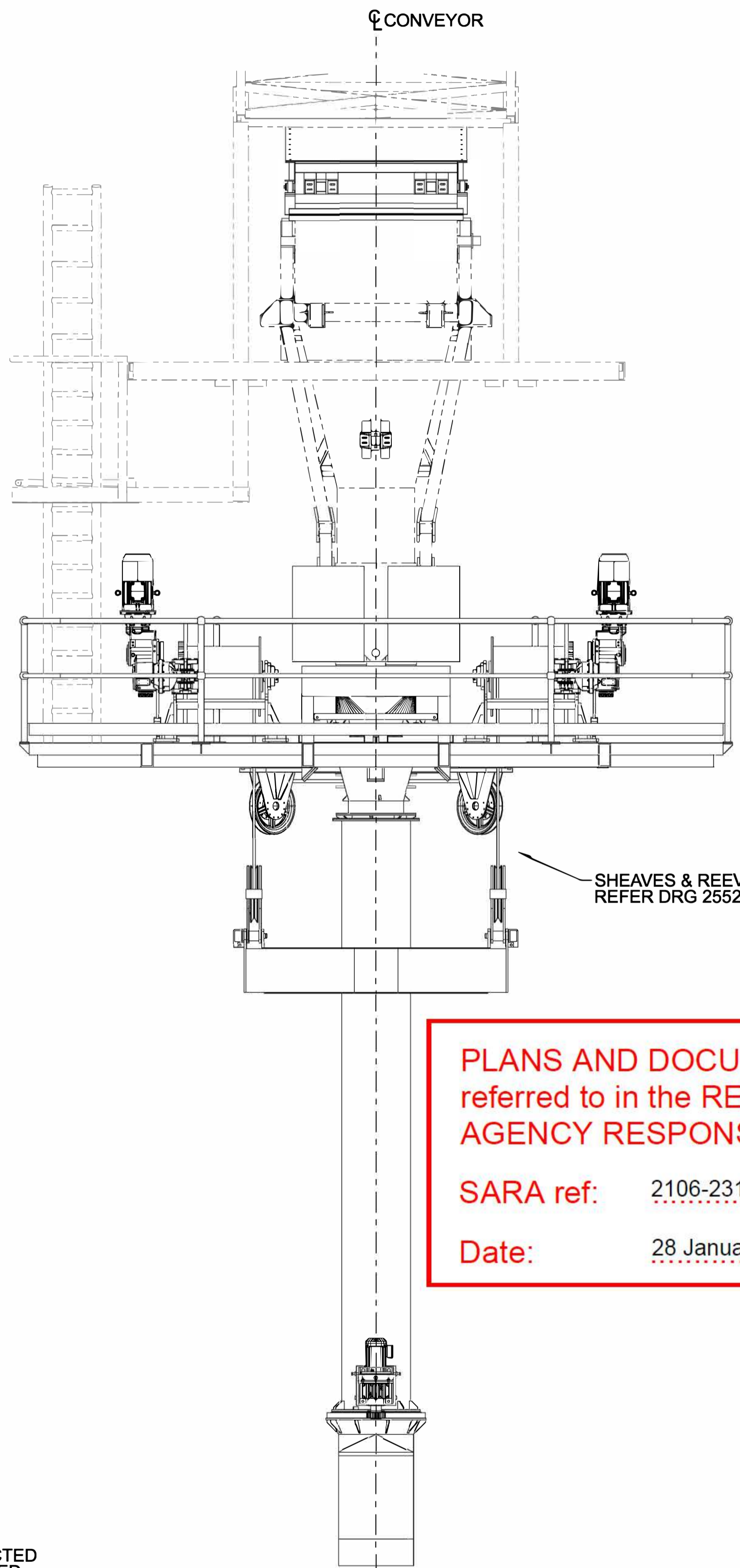
												 <small>Brisbane Office: Level 13/145 Eagle Street, Brisbane QLD 4000 www.lineareng.com.au - Tel: 0410 177 338</small>		<table border="1"> <tr><td>DRAWN</td><td>G RUSSELL</td><td>26/05/21</td></tr> <tr><td>DESIGN</td><td>L WILLIAMS</td><td>26/05/21</td></tr> <tr><td>VERIFY</td><td></td><td></td></tr> <tr><td>APPROVED</td><td></td><td></td></tr> </table>		DRAWN	G RUSSELL	26/05/21	DESIGN	L WILLIAMS	26/05/21	VERIFY			APPROVED			BST CUI SUGAR TERMINAL UPGRADE NEW CONVEYORS GENERAL ARRANGEMENT PLAN				DRAWING No. <b>255200-G-003</b>	
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VERIFY																																	
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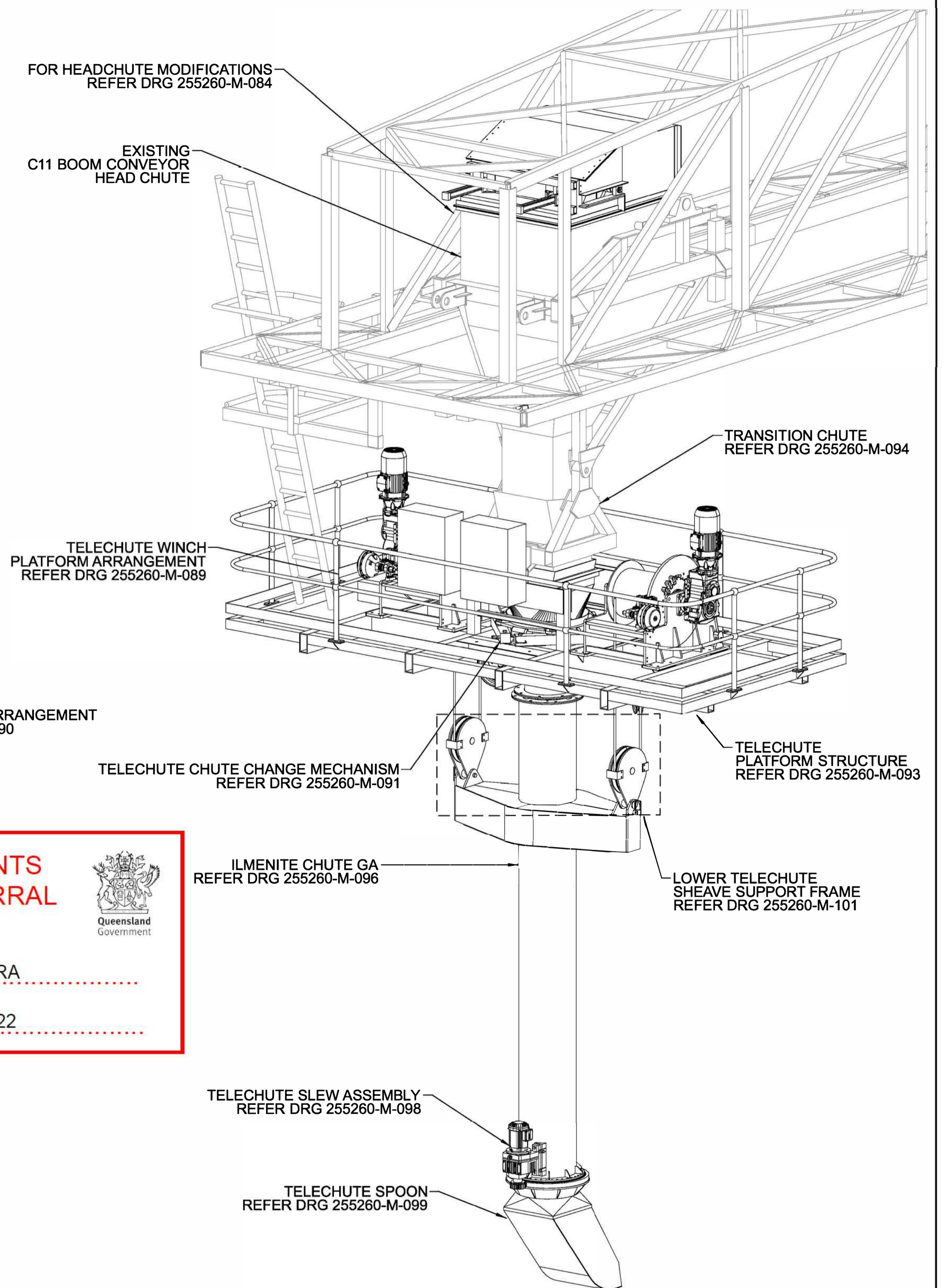
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SCALE CUSTOM 1:30



**3D ISOMETRIC VIEW - TELECHUTE GA**  
SCALE CUSTOM 1:30

**PLANS AND DOCUMENTS**  
 referred to in the REFERRAL  
 AGENCY RESPONSE  
  
 SARA ref: 2106-23148 SRA  
 Date: 28 January 2022

REV	DATE	REVISION DETAILS	DRN	DES	APP	REFERENCE DRAWINGS	REF NUMBER
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**LINEAR ENGINEERING**  
 Brisbane Office: Level 13/145 Eagle Street, Brisbane QLD 4000  
 www.lineareng.com.au - Tel: 0410 177 338

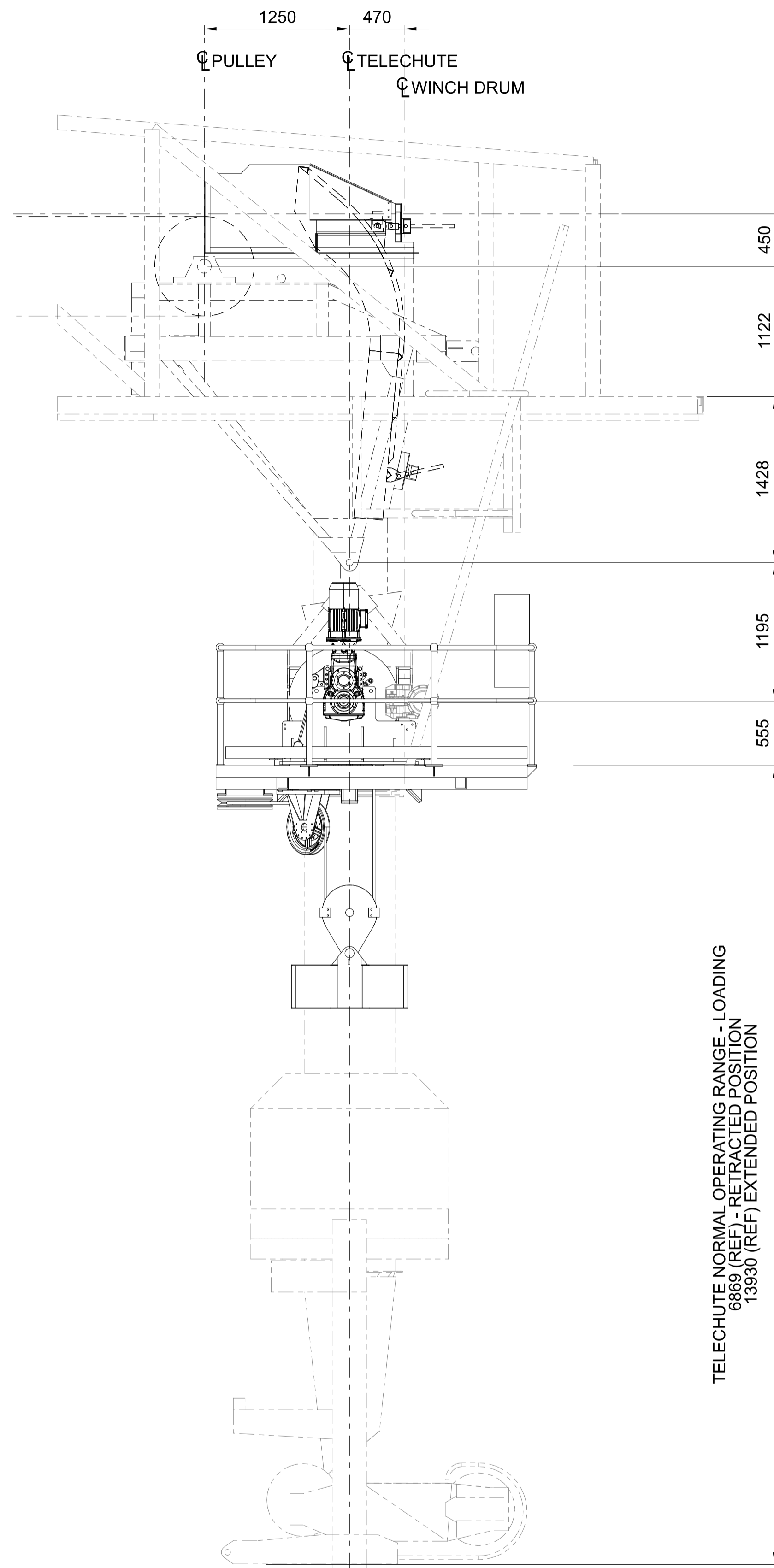
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VERIFY		
APPROVED		

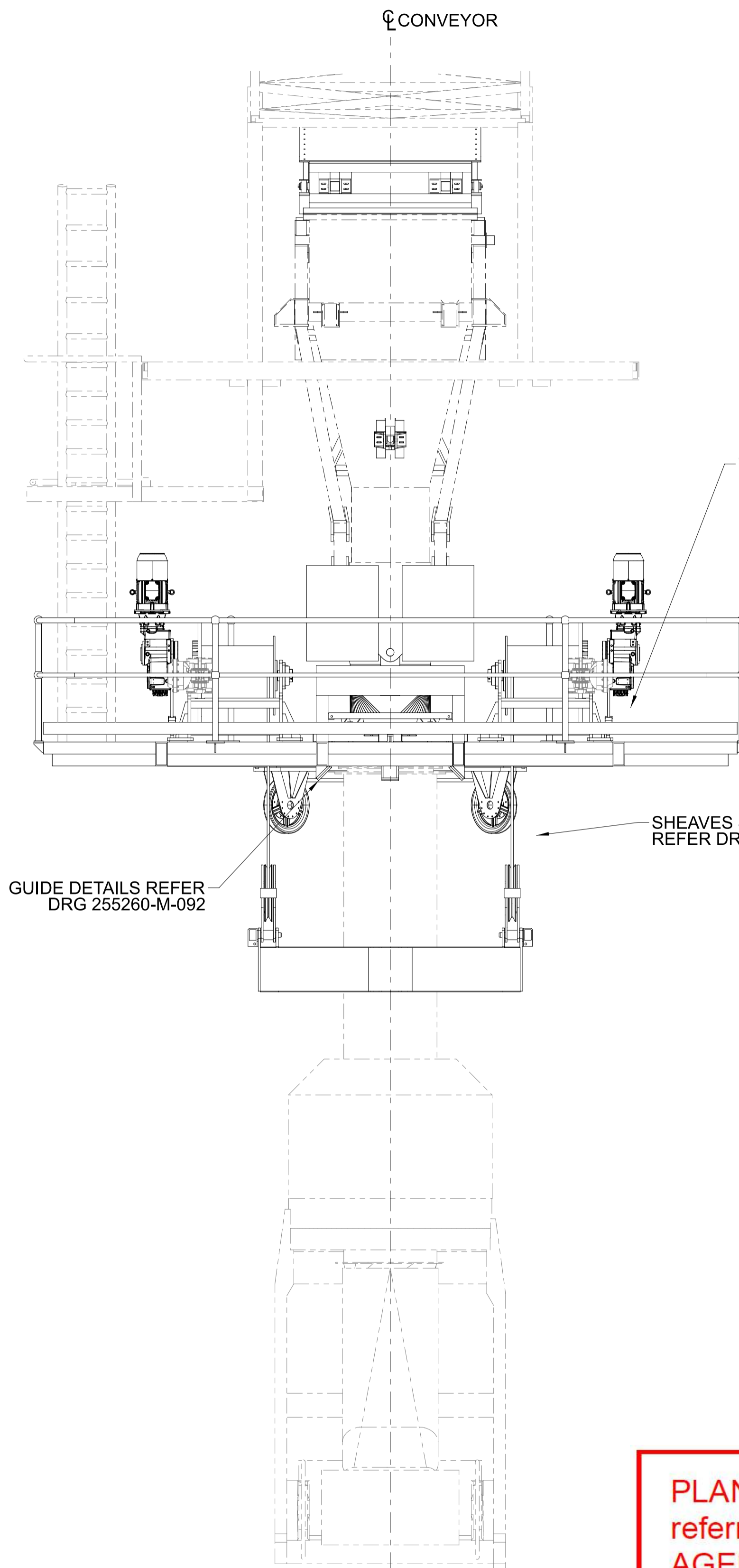
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**ILMENITE TELECHUTE**  
**GENERAL ARRANGEMENT AND OPERATING RANGE**

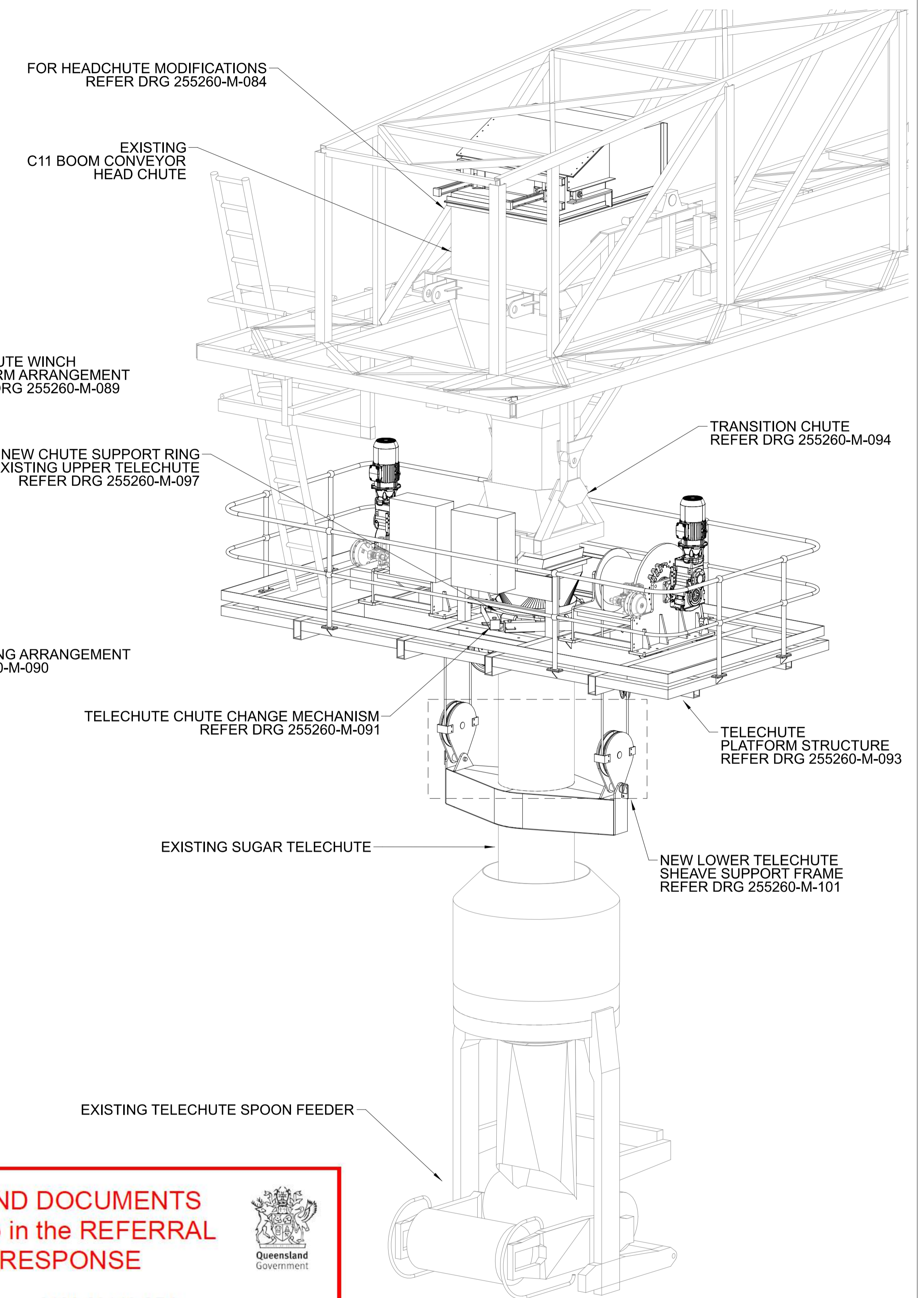
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3D ISOMETRIC VIEW - TELECHUTE GA  
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**PLANS AND DOCUMENTS**  
referred to in the REFERRAL  
AGENCY RESPONSE

SARA ref: 2106-23148 SRA

Date: 28 January 2022



																				DRAWING No.	
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REV	DATE	REVISION DETAILS			DRN	DES	APP	REFERENCE DRAWINGS	REF NUMBER	CLIENT	  <p>THIS DRAWING IS THE INTELLECTUAL PROPERTY OF LINEAR ENGINEERING AND MUST NOT BE USED FOR ANY PURPOSE WHATSOEVER WITHOUT WRITTEN APPROVAL. USE HARD COPY INFORMATION ONLY U.N.O. THIRD ANGLE PROJECTION U.N.O. DO NOT SCALE FROM DRAWING.</p>		<p>DRAWN N.MOBSBY 07/09/21</p> <p>DESIGN M.FRENDO 07/09/21</p> <p>VERIFY</p> <p>APPROVED</p> <p><b>PRELIMINARY</b> NOT FOR CONSTRUCTION</p>		<p>BST CUI SUGAR TERMINAL UPGRADE SHIPLOADER</p> <p>EXISTING SUGAR TELECHUTE - MODIFICATIONS</p> <p>GENERAL ARRANGEMENT AND OPERATING RANGE</p>		<p>SCALE AS NOTED</p> <p>REV A</p> <p>A1</p>				



# Development Assessment Rules—Representations about a referral agency response

The following provisions are those set out in sections 28 and 30 of the Development Assessment Rules<sup>1</sup> regarding **representations about a referral agency response**

## Part 6: Changes to the application and referral agency responses

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### 28 Concurrence agency changes its response or gives a late response

- 28.1. Despite part 2, a concurrence agency may, after its referral agency assessment period and any further period agreed ends, change its referral agency response or give a late referral agency response before the application is decided, subject to section 28.2 and 28.3.
- 28.2. A concurrence agency may change its referral agency response at any time before the application is decided if—
- (a) the change is in response to a change which the assessment manager is satisfied is a change under section 26.1; or
  - (b) the Minister has given the concurrence agency a direction under section 99 of the Act; or
  - (c) the applicant has given written agreement to the change to the referral agency response.<sup>2</sup>
- 28.3. A concurrence agency may give a late referral agency response before the application is decided, if the applicant has given written agreement to the late referral agency response.
- 28.4. If a concurrence agency proposes to change its referral agency response under section 28.2(a), the concurrence agency must—
- (a) give notice of its intention to change its referral agency response to the assessment manager and a copy to the applicant within 5 days of receiving notice of the change under section 25.1; and
  - (b) the concurrence agency has 10 days from the day of giving notice under paragraph (a), or a further period agreed between the applicant and the concurrence agency, to give an amended referral agency response to the assessment manager and a copy to the applicant.

---

<sup>1</sup> Pursuant to Section 68 of the *Planning Act 2016*

<sup>2</sup> In the instance an applicant has made representations to the concurrence agency under section 30, and the concurrence agency agrees to make the change included in the representations, section 28.2(c) is taken to have been satisfied.

## **Part 7: Miscellaneous**

### **30 Representations about a referral agency response**

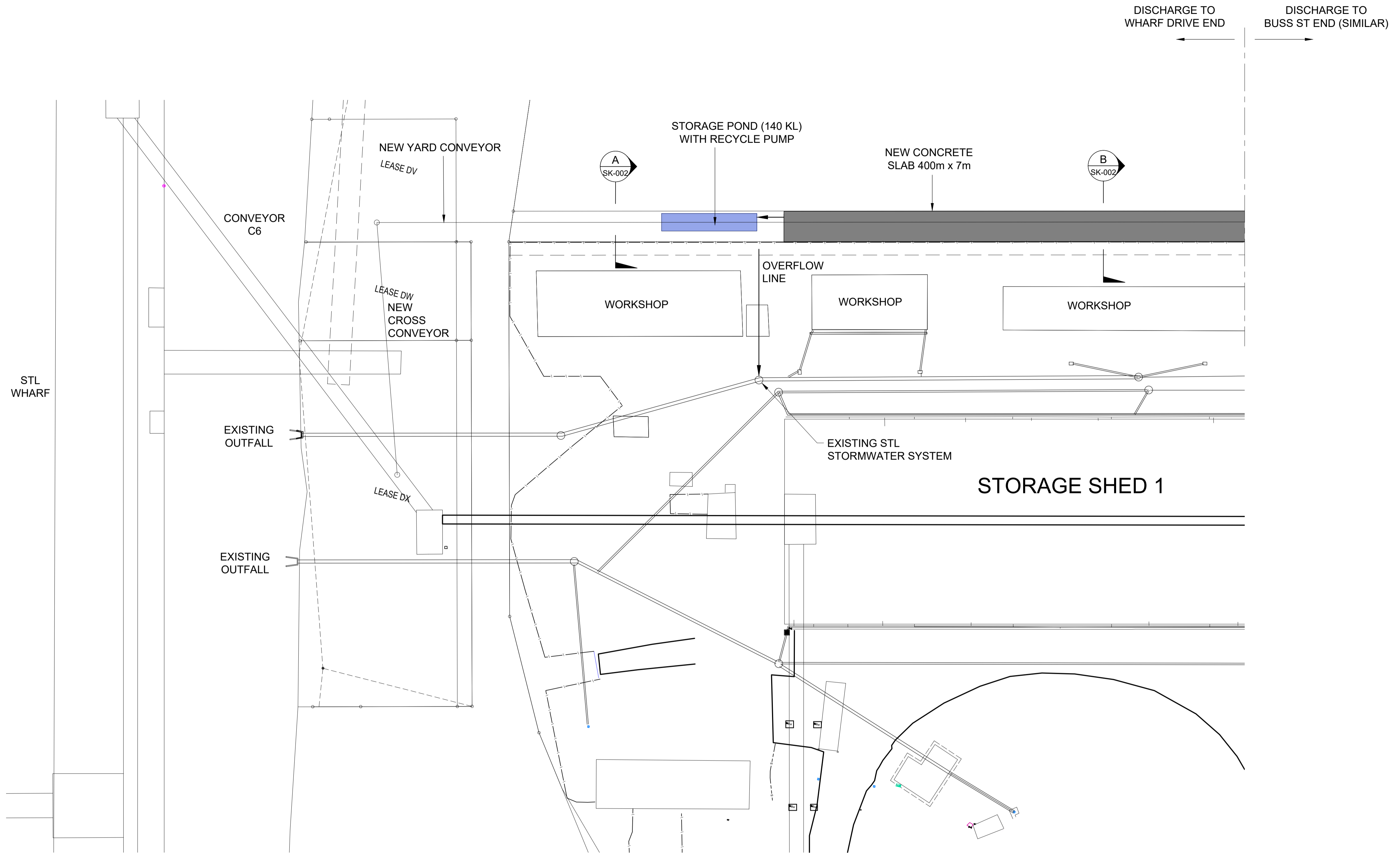
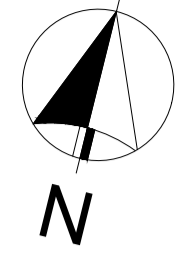
30.1. An applicant may make representations to a concurrence agency at any time before the application is decided, about changing a matter in the referral agency response.<sup>3</sup>

---

<sup>3</sup> An applicant may elect, under section 32, to stop the assessment manager's decision period in which to take this action. If a concurrence agency wishes to amend their response in relation to representations made under this section, they must do so in accordance with section 28.

## Attachment 2 Approved Plans and Specifications

---



**SITE PLAN**  
1:500

**GPC Gladstone Ports Corporation**

**APPROVED**

Name: Erin Clark  
Date: 12:18pm 27/04/2022

REV	DATE	REVISION DETAILS	DRN	DES	APP	REFERENCE DRAWINGS	REF NUMBER
C	29/07/21	REVISIONS	GR	LW			
B	20/05/21	MINOR REVISIONS	GR	LW			
A	14/05/21	FOR REVIEW	GR	LW			



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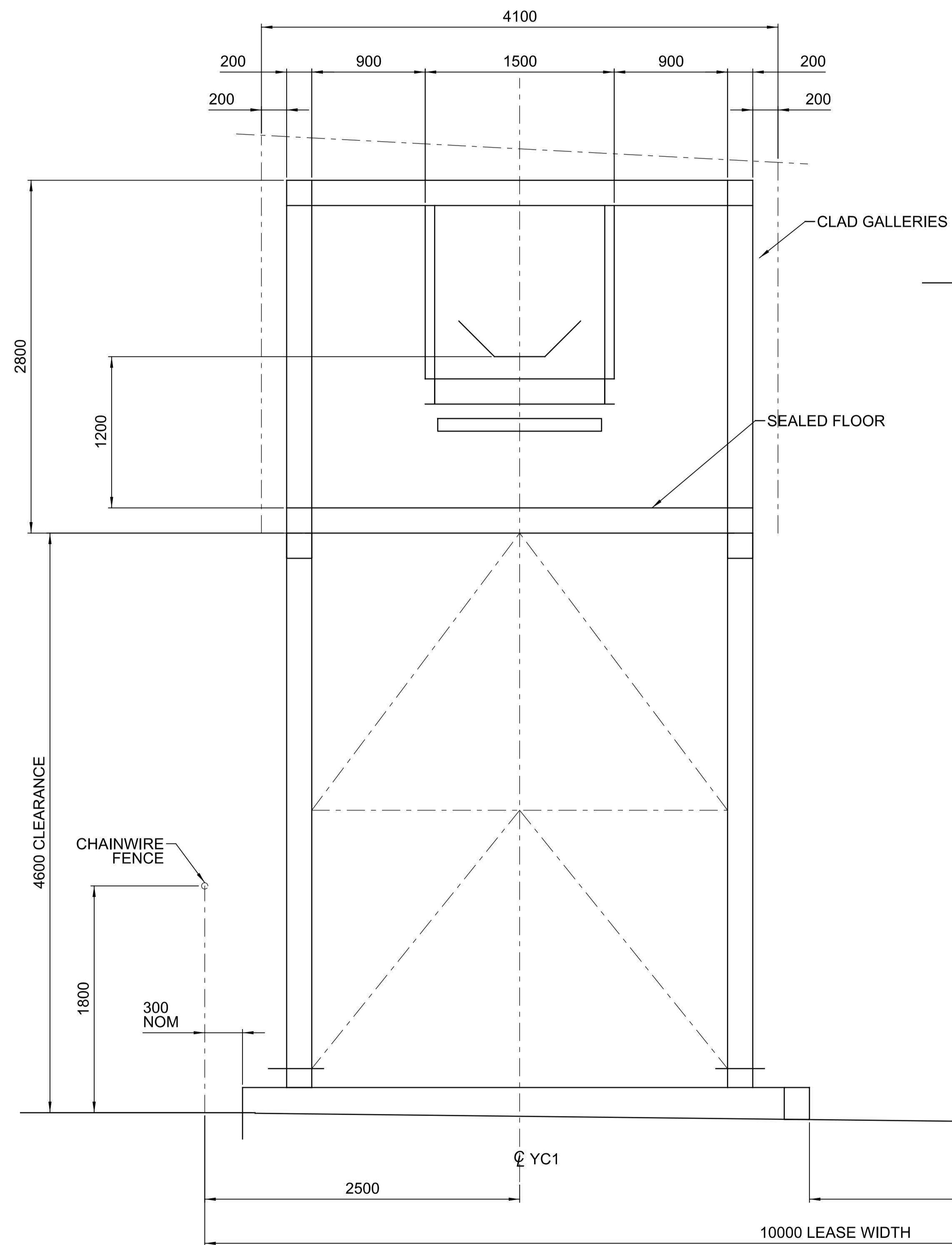
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DRAWN	GR	14/05/21
DESIGN	LW	14/05/21
VERIFY		
APPROVED		

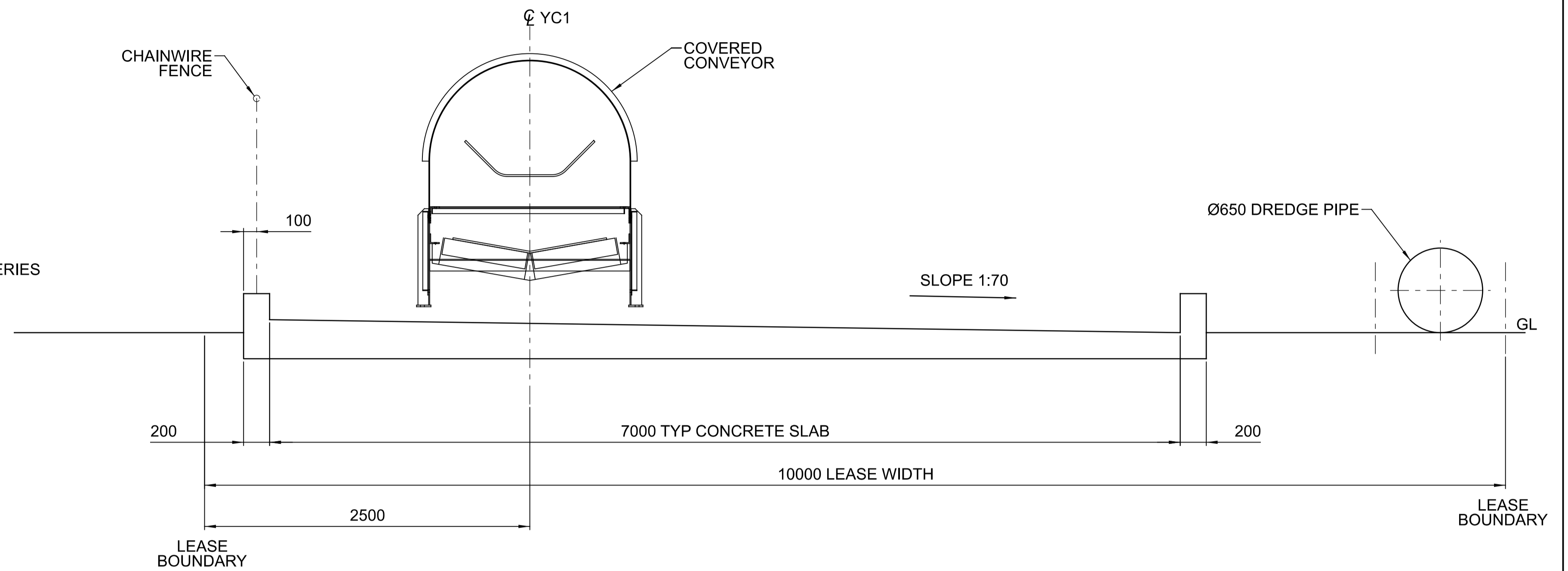
**PRELIMINARY**  
NOT FOR CONSTRUCTION

**BST CUI SUGAR TERMINAL UPGRADE  
STORMWATER MANAGEMENT PLAN GA**

DRAWING No.		
<b>21255-SK-001</b>		
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1:500	C	A1

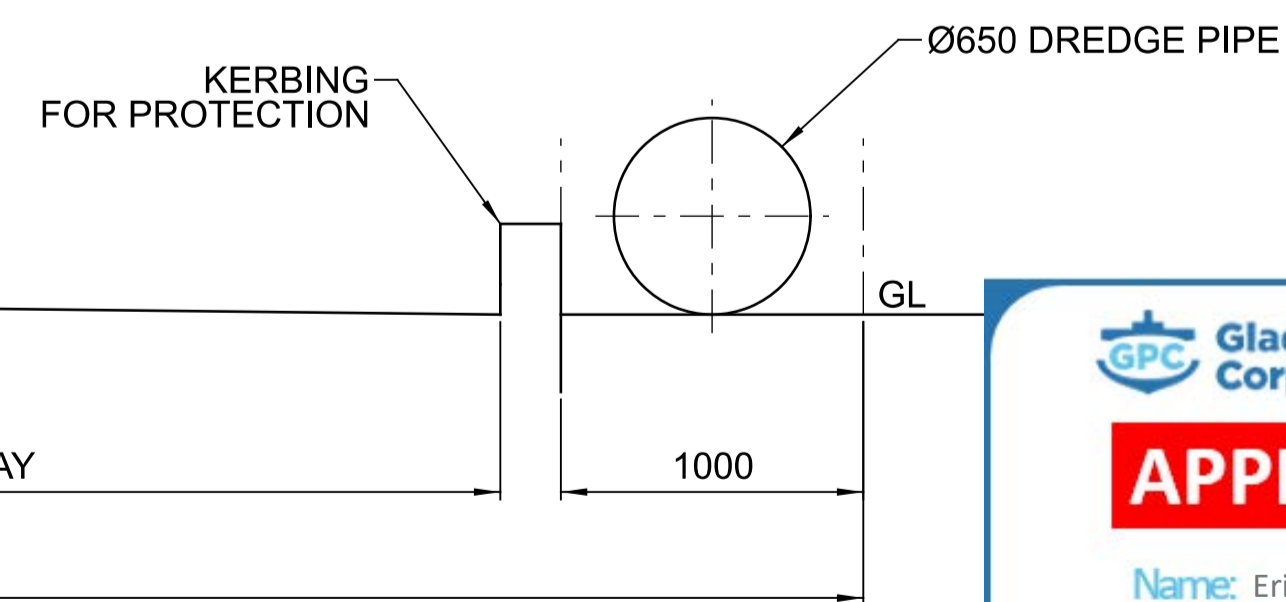


SECTION A  
1:25 (SK-001)



TYP. GROUND MODULE LOOKING EAST

SECTION B  
1:25 (SK-001)



REV	DATE	REVISION DETAILS	DRN	DES	APP	REFERENCE DRAWINGS	REF NUMBER
C	29/07/21	MINOR REVISIONS	GR	LW			
B	20/05/21	MINOR REVISIONS	GR	LW			
A	14/05/21	FOR REVIEW	GR	LW			



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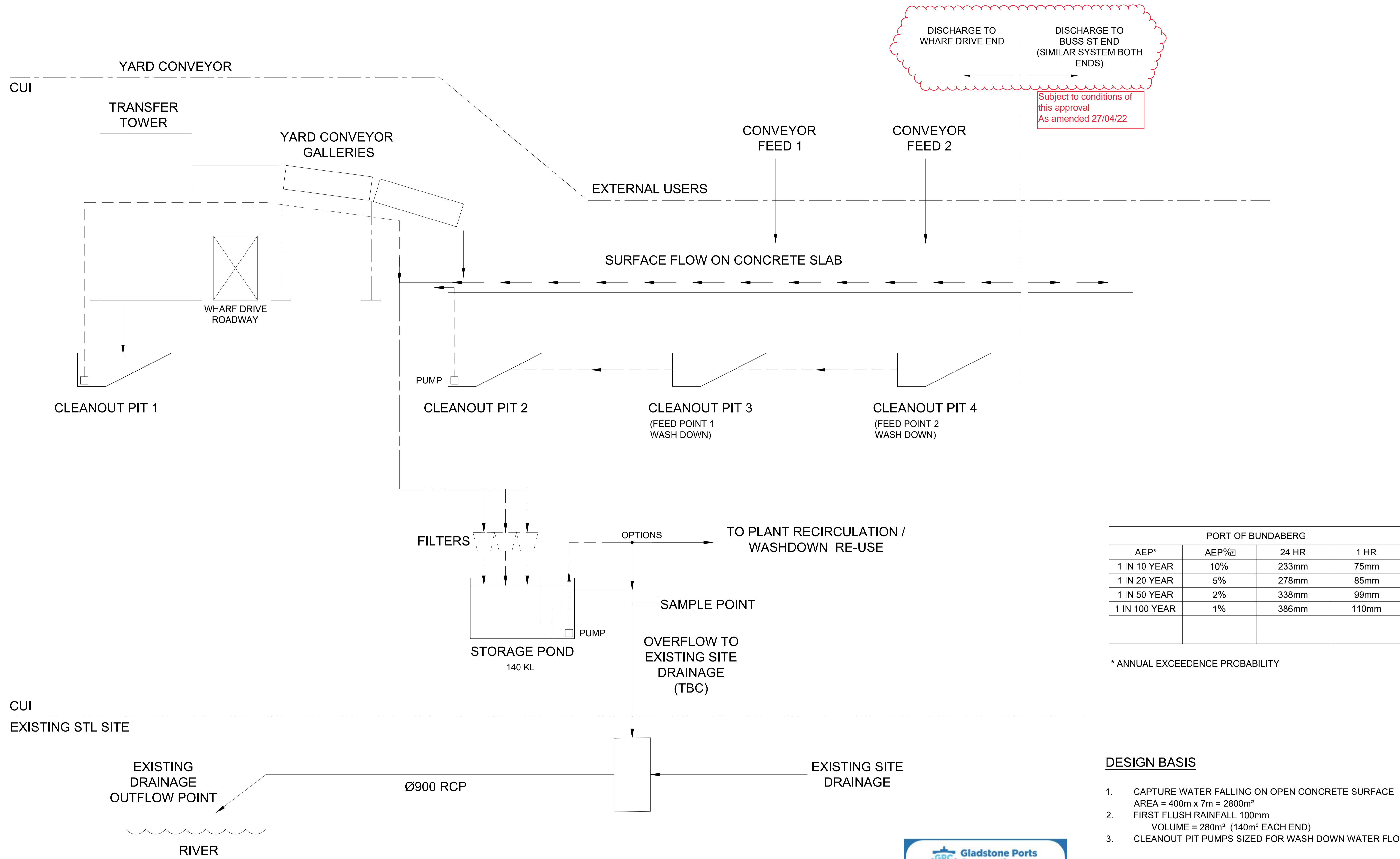
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DRAWN	GR	14/05/21
DESIGN	LW	14/05/21
VERIFY		
APPROVED		

**PRELIMINARY**  
NOT FOR CONSTRUCTION

BST CUI SUGAR TERMINAL UPGRADE  
YARD CONVEYOR CROSS SECTIONS

DRAWING No.			
<b>21255-SK-002</b>			
SCALE	REV	C	A1



DISCHARGE TO WHARF DRIVE END  
DISCHARGE TO BUSS ST END (SIMILAR SYSTEM BOTH ENDS)

Subject to conditions of this approval  
As amended 27/04/22

PORT OF BUNDABERG			
AEP*	AEP%	24 HR	1 HR
1 IN 10 YEAR	10%	233mm	75mm
1 IN 20 YEAR	5%	278mm	85mm
1 IN 50 YEAR	2%	338mm	99mm
1 IN 100 YEAR	1%	386mm	110mm

\* ANNUAL EXCEEDENCE PROBABILITY

**DESIGN BASIS**

- CAPTURE WATER FALLING ON OPEN CONCRETE SURFACE  
AREA = 400m x 7m = 2800m<sup>2</sup>
- FIRST FLUSH RAINFALL 100mm  
VOLUME = 280m<sup>3</sup> (140m<sup>3</sup> EACH END)
- CLEANOUT PIT PUMPS SIZED FOR WASH DOWN WATER FLOW



REV	DATE	REVISION DETAILS	DRN	DES	APP	REFERENCE DRAWINGS	REF NUMBER
C	29/07/21	REVISIONS	GR	LW			
B	20/05/21	MINOR REVISIONS	GR	LW			
A	14/05/21	FOR REVIEW	GR	LW			

**STL**  
**LINEAR ENGINEERING**  
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 www.lineareng.com.au - Tel: 0410 177 338

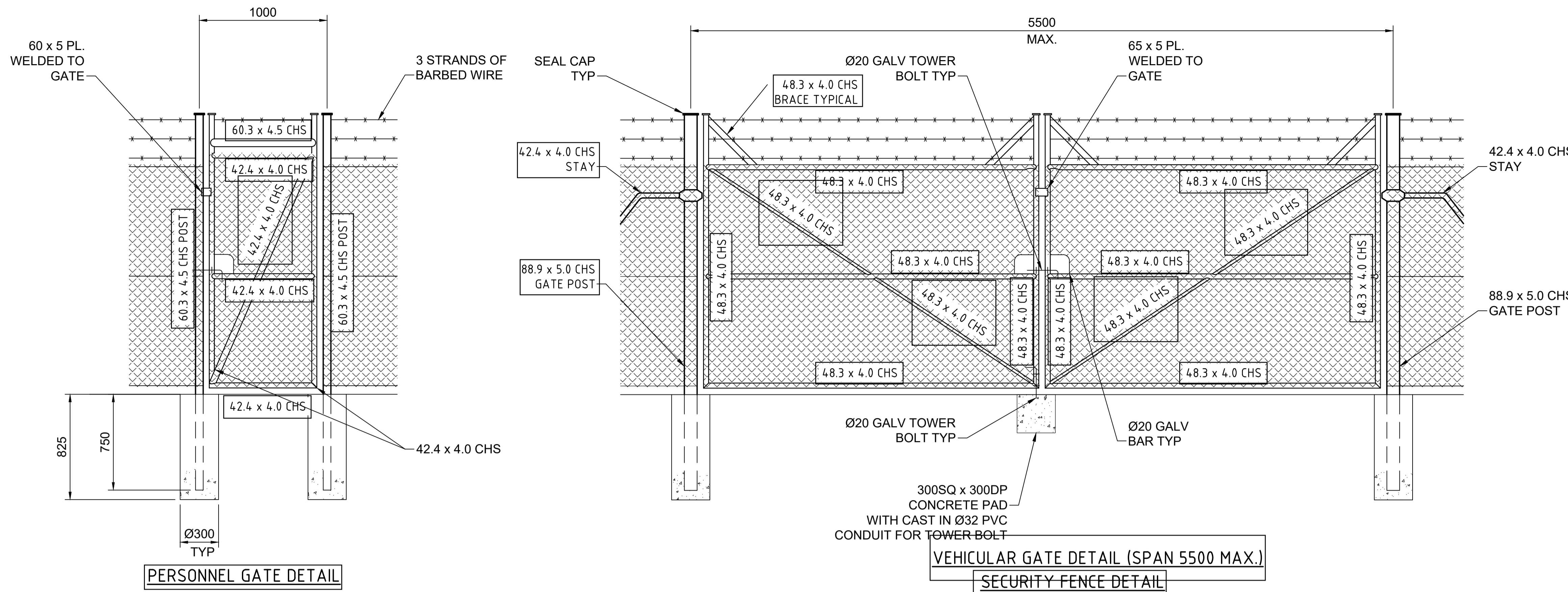
DRAWN	GR	14/05/21
DESIGN	LW	14/05/21
VERIFY		
APPROVED		

**PRELIMINARY**  
NOT FOR CONSTRUCTION

**BST CUI SUGAR TERMINAL UPGRADE**  
**STORMWATER MANAGEMENT SCHEMATIC**

DRAWING No.  
**21255-SK-004**

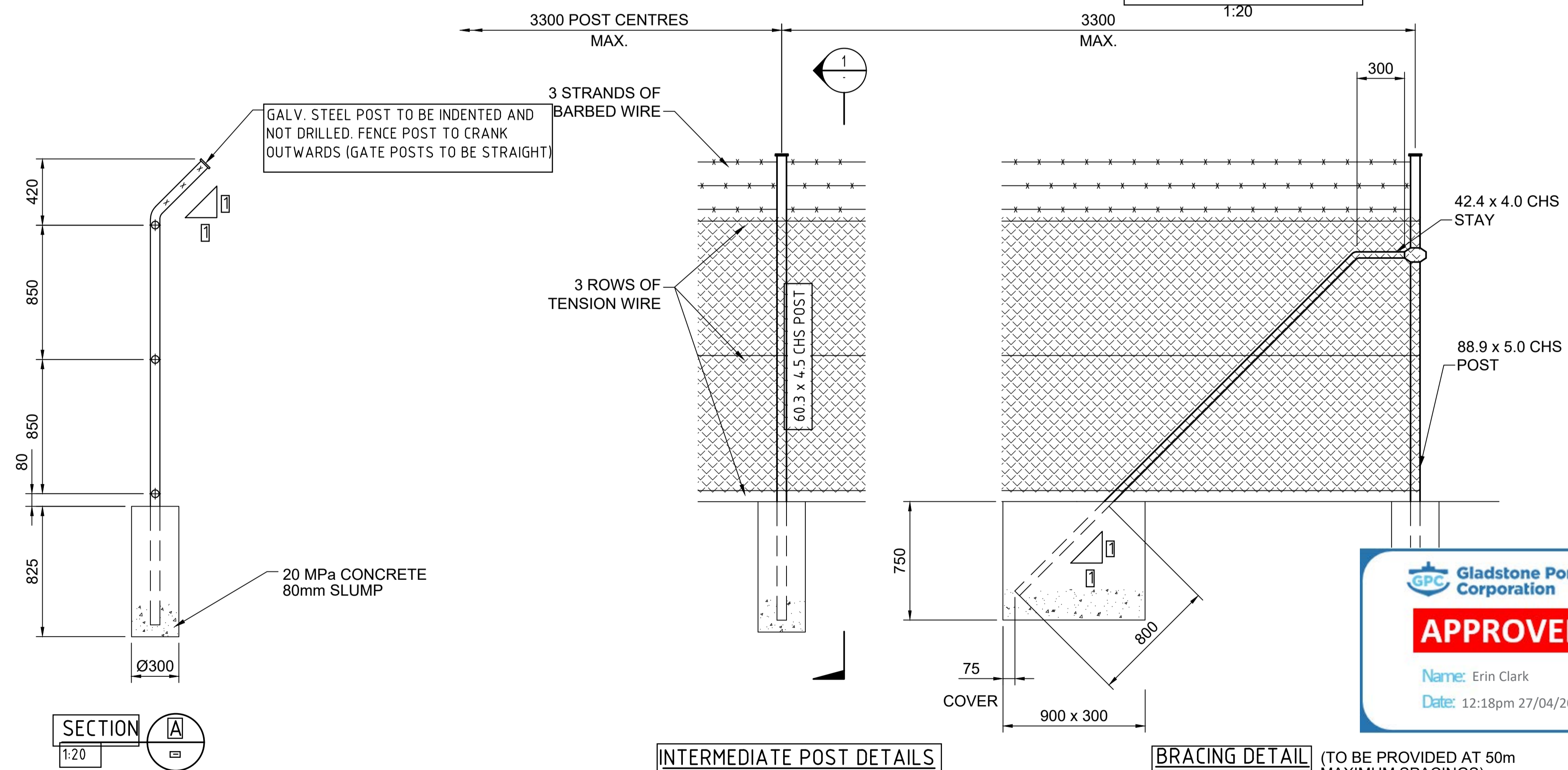
SCALE	REV	
NTS	C	A1



PERSONNEL GATE DETAIL

VEHICULAR GATE DETAIL (SPAN 5500 MAX.)

SECURITY FENCE DETAIL



INTERMEDIATE POST DETAILS

BRACING DETAIL

(TO BE PROVIDED AT 50m MAXIMUM SPACINGS)

CORNER AND END DETAIL SIMILAR

NOTES:

GENERAL

- 1.1 FENCING TO CONFORM TO AS 1725 "CHAIN-LINK FABRIC FENCING - SECURITY FENCES AND GATES".
- 1.2 ALL FENCING PRODUCTS SHALL CONFORM TO AS 2423 "COATED STEEL WIRE FENCING PRODUCTS FOR TERRESTRIAL, AQUATIC AND GENERAL USE".

FENCING

- 2.1 CHAIN WIRE SHALL BE 3.15mm BLACK, GALVANISED CORE, BLACK PVC COATED WITH A MESH APERTURE OF 50mm.
- 2.2 TIE WIRE SHALL BE 1.57mm GALVANISED CORE, BLACK PVC COATED.
- 2.3 LACING WIRE SHALL BE 2.00mm GALVANISED CORE BLACK PVC COATED.
- 2.4 CABLE WIRE SHALL BE SINGLE COIL 4.0mm GALVANISED CORE, BLACK PVC COATED.
- 2.5 BARBED WIRE SHALL BE DOUBLE STRAND TWISTED WITH 1.60mm HEAVILY GALVANISED BARBED WIRE WITH 4 POINT BARBS AT 100 CENTRES.
- 2.6 BRACING DETAIL TO BE ADOPTED WHERE THE CHANGE IN ANGLE IN HORIZONTAL ALIGNMENT EXCEEDS 20 DEGREES.
- 2.7 WIRES SHALL BE STRAINED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND TIED TO BRACING POINTS WITH APPROVED TIES.
- 2.8 BOLTS, NUTS AND WASHERS TO BE HOT DIP GALVANISED TO AS 1214.
- 2.9 WELDING SHALL BE TO AS/NZS 1554.1.
- 2.10 ALL STEELWORK AND FITTINGS SHALL BE HOT DIP GALVANISED TO AS 1214.



REV		DATE	ISSUED FOR REVIEW	NM	LW	APP	REFERENCE DRAWINGS	REF NUMBER	CLIENT	<p>Brisbane Office: Level 13/145 Eagle Street, Brisbane QLD 4000 www.lineareng.com.au - Tel: 0410 177 338</p> <p>THIS DRAWING IS THE INTELLECTUAL PROPERTY OF LINEAR ENGINEERING AND MUST NOT BE USED FOR ANY PURPOSE WHATSOEVER WITHOUT WRITTEN APPROVAL. USE HARD COPY INFORMATION ONLY U.N.O. THIRD ANGLE PROJECTION U.N.O. DO NOT SCALE FROM DRAWING</p>	DRAWN: N.MOBSBY 24/09/21 DESIGN: L.WILLIAMS 24/09/21 VERIFY: APPROVED: <b>PRELIMINARY</b> NOT FOR CONSTRUCTION	BST CUI SUGAR TERMINAL UPGRADE STRUCTURAL STANDARD DRAWINGS CHAINWIRE SECURITY FENCING	DRAWING No. <b>255000-S-029</b>	SCALE: NTS REV: A A1
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**PLAN**

**NOTES**

1. BASIS OF SETOUT.  
MGA94 ZONE 56 FIXED OFF PSM 3853 + 36119  
PSM 3853  
E 437586.809 N 7260217.502 Z 4.369  
PSM 36119  
E 437589.795 N 7260510.443 Z 4.425



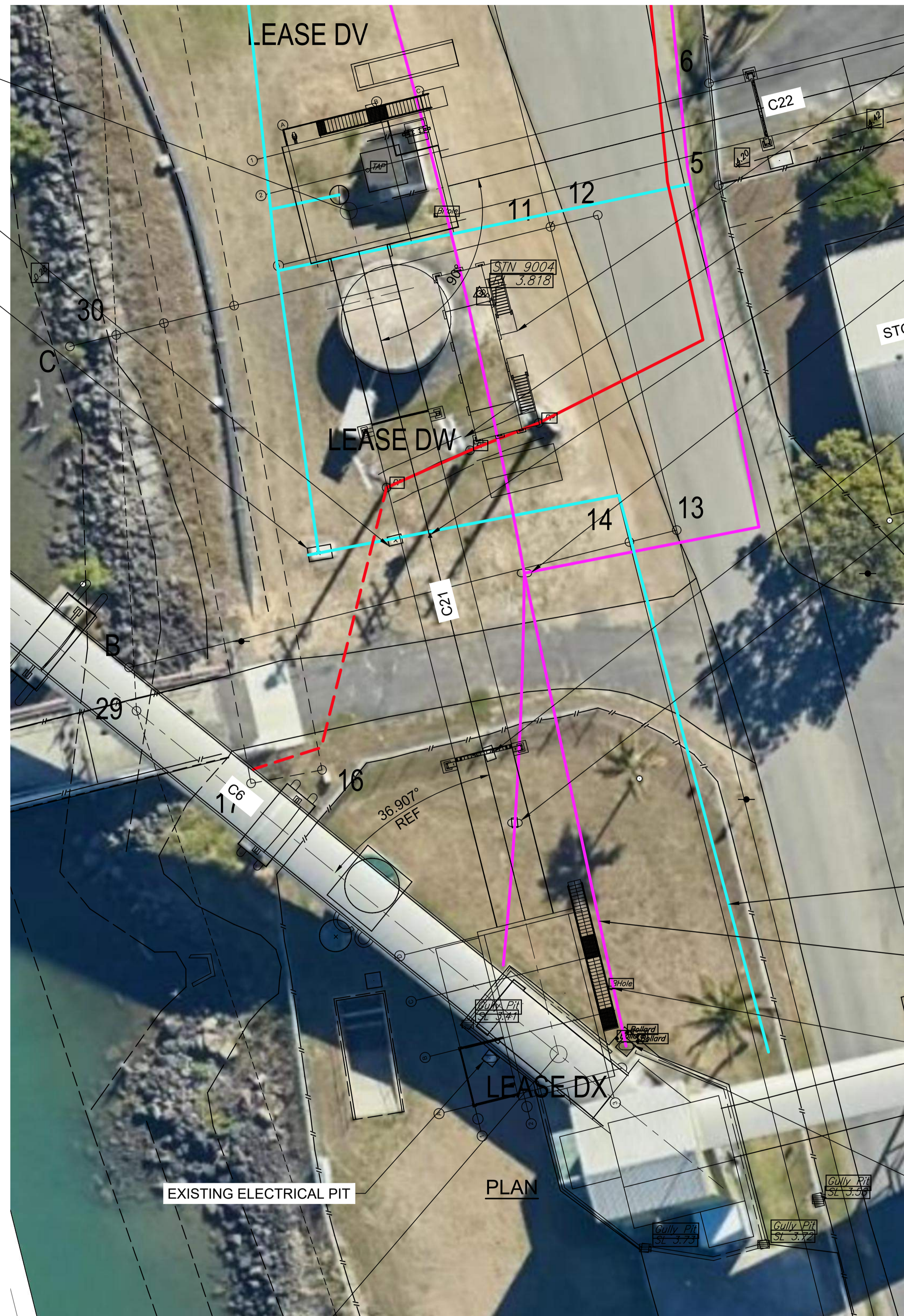
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DRAWN	G RUSSELL	26/05/21																													
DESIGN	L WILLIAMS	26/05/21																													
VERIFY																															
APPROVED																															
B	30/08/21	ISSUED FOR REVIEW	GR	LW																											
A	26/05/21	FOR REVIEW	GR	LW																											
REV	DATE	REVISION DETAILS	DRN	DES	APP	REFERENCE DRAWINGS	REF NUMBER	CLIENT	 <b>PRELIMINARY</b> NOT FOR CONSTRUCTION		SCALE	REV	1:1000    B    A1																		





IP  
N 7260320.442  
E 437578.937

EXISTING PIPE PIT  
EXISTING VALVE PIT



NEW MCC  
EXISTING OVERHEAD POWER LINES  
EXISTING VALVE  
EXISTING COMS PIT  
STORAGE SHED 1  
EXISTING PIPE VALVE PIT  
EXISTING FIBRE OPTIC

EXISTING SERVICES SCOPE  
EXISTING SERVICES TO BE REMOVED  
HV ELECTRIC INCOMER TO BE REVISED. REFER ELECTRICAL DRAWINGS  
FIBRE OPTIC AND COMMUNICATION LINES TO BE RE-ROUTED AROUND NEW CONSTRUCTION WORKS  
EXISTING BORE HOLE  
EXISTING ELECTRICAL PIT

**LEGEND**

- 1. POWER —
- 2. WATER —
- 3. COMMS —

**NOTES:**

1. LOCATION OF SERVICES IS APPROXIMATE ONLY. CONTRACTOR TO DETERMINE EXACT LOCATIONS ON SITE.

IP  
N 7260262.064  
E 437593.462

DETAIL 1  
M-10



REV	DATE	REVISION DETAILS	DRN	DES	APP	REFERENCE DRAWINGS	REF NUMBER
B	30/08/21	ISSUED FOR REVIEW	GR	LW			
A	26/05/21	ISSUED FOR REVIEW	GR	LW			



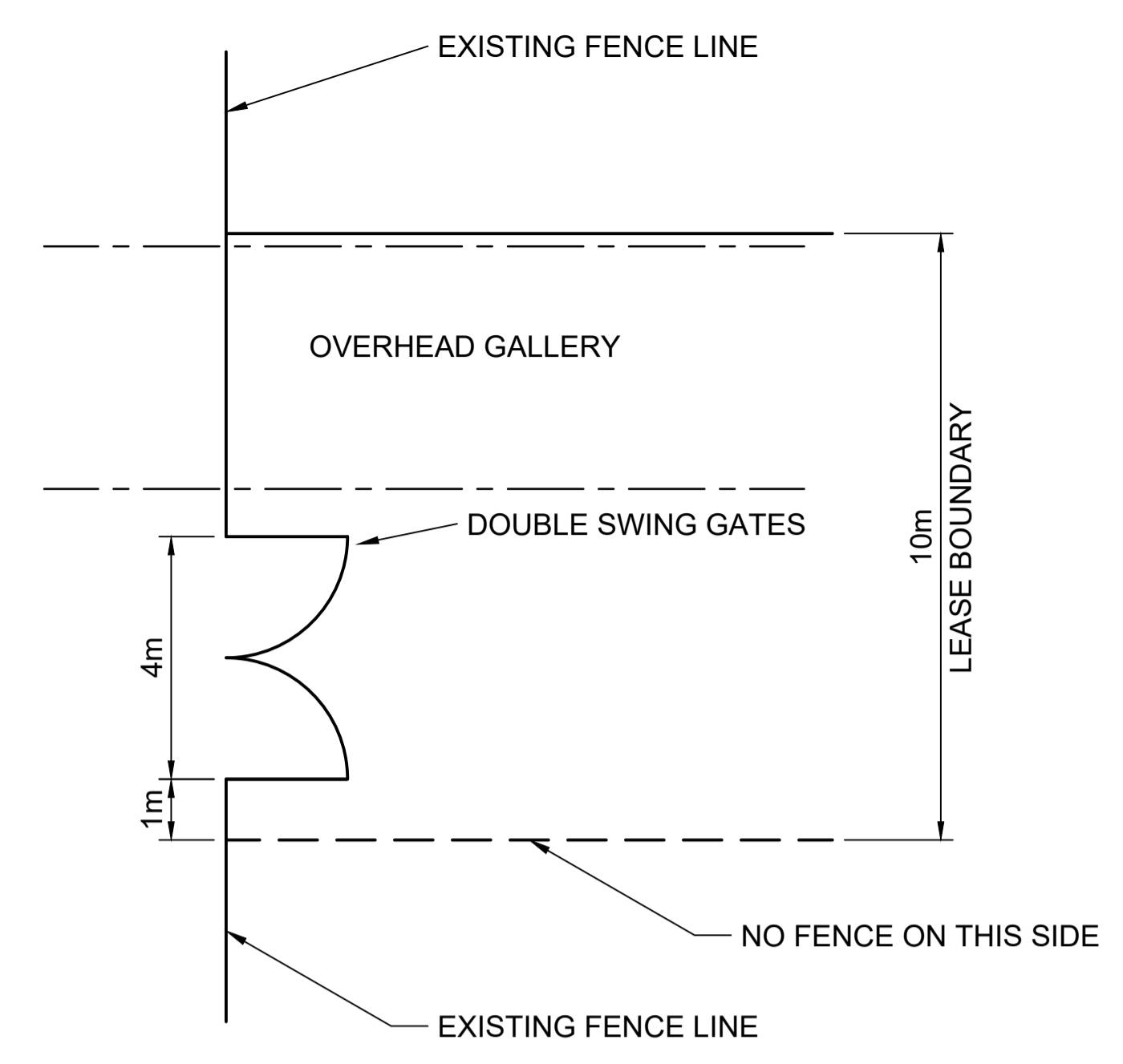
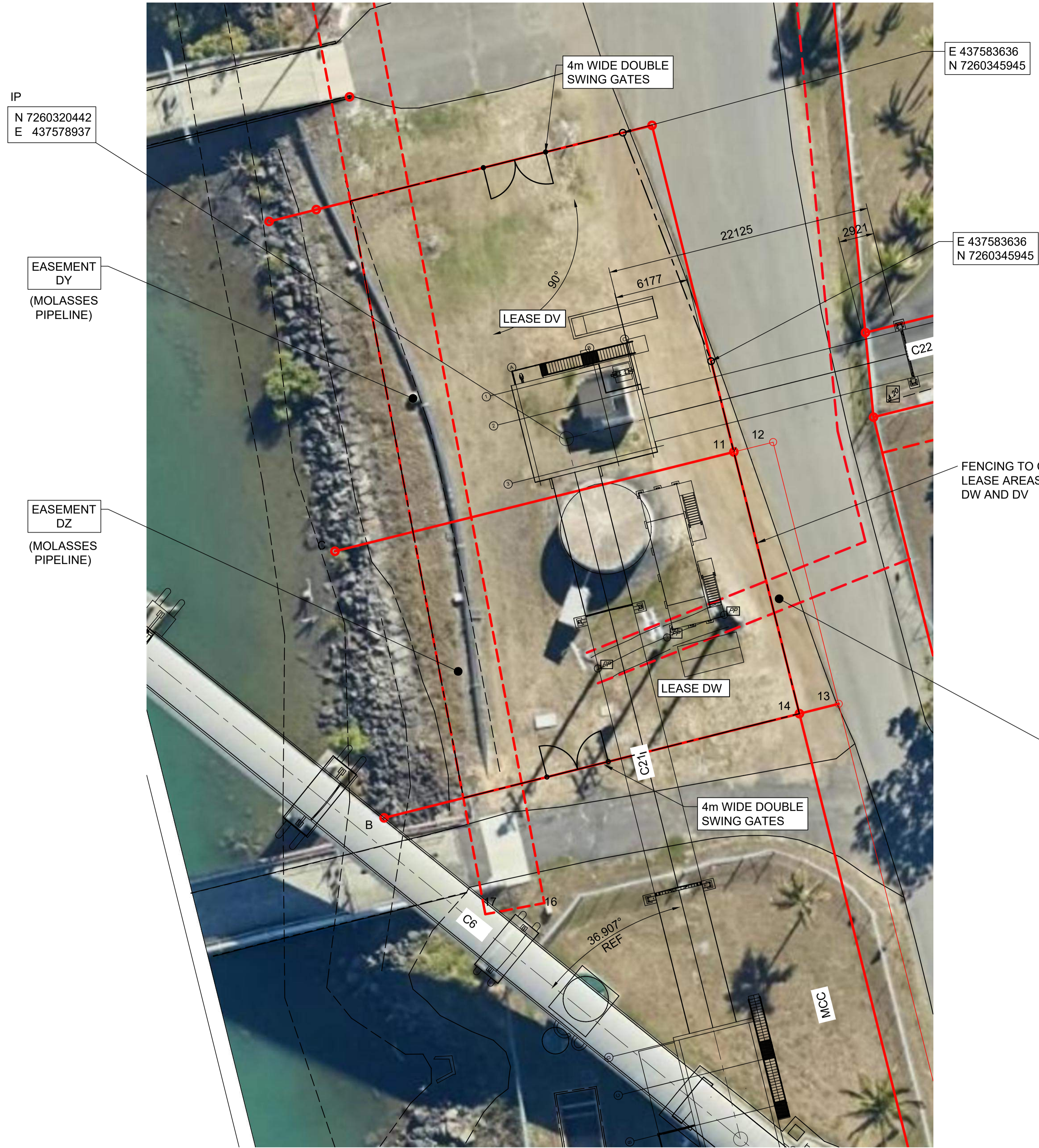
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DRAWN G RUSSELL 26/05/21  
DESIGN L WILLIAMS 26/05/21  
VERIFY  
APPROVED  
**PRELIMINARY**  
NOT FOR CONSTRUCTION

BST CUI SUGAR TERMINAL UPGRADE  
NEW CONVEYORS  
EXISTING UNDERGROUND SERVICES

DRAWING No.  
**255200-G-004**  
SCALE 1:200 REV B A1





**SITE ENTRY DETAILS**

**DETAIL 1**  
G-009



REV		DATE	REVISION DETAILS	DRN	DES	APP	REFERENCE DRAWINGS	REF NUMBER	CLIENT		<p>Brisbane Office: Level 13/145 Eagle Street, Brisbane QLD 4000 www.lineareng.com.au - Tel: 0410 177 338</p> <p>THIS DRAWING IS THE INTELLECTUAL PROPERTY OF LINEAR ENGINEERING AND MUST NOT BE USED FOR ANY PURPOSE WHATSOEVER WITHOUT WRITTEN APPROVAL. USE HARD COPY INFORMATION ONLY U.N.O. THIRD ANGLE PROJECTION U.N.O. DO NOT SCALE FROM DRAWING</p>	DRAWN: N.MOBSBY 06/09/21 DESIGN: L.WILLIAMS 06/09/21 VERIFY: APPROVED: <b>PRELIMINARY</b> NOT FOR CONSTRUCTION	<b>BST CUI SUGAR TERMINAL UPGRADE          FENCING ARRANGEMENT          SHEET 2</b>	DRAWING No. <b>255200-G-009</b> SCALE: 1:200    REV: A    A1
B	24/09/21	ISSUED FOR REVIEW		N.M	L.W									
A	06/09/21	ISSUED FOR REVIEW		NM	LW									



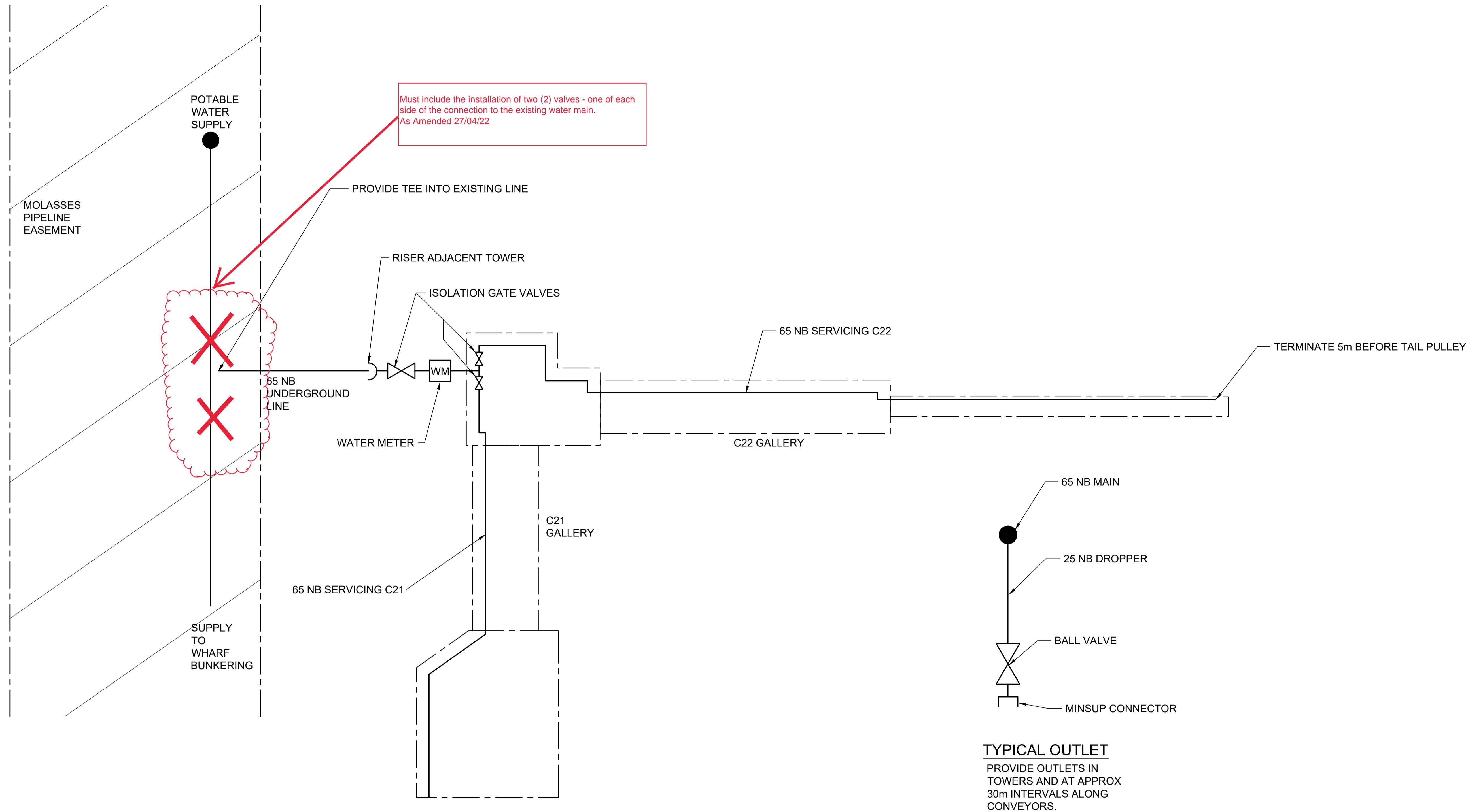


- GENERAL NOTES:**
1. REFER DRG. P-012 FOR SCHEMATIC & DETAILS.
  2. SITE RUN WATER LINES.
  3. PIPING TO BE GALVANISED STANDARD WALL PIPE WITH SCREWED CONNECTIONS.

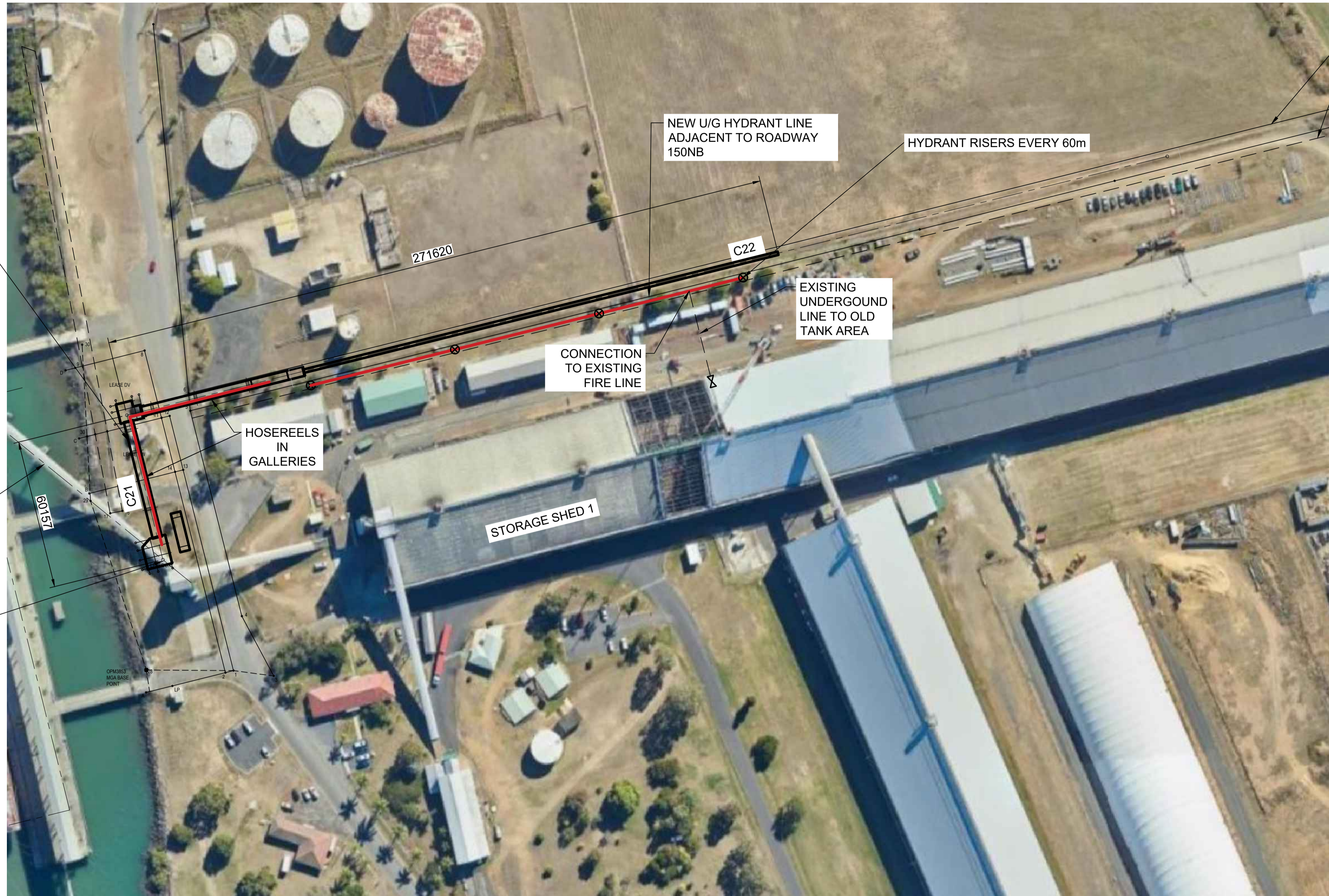
**PLAN**



												 <small>Brisbane Office: Level 13/145 Eagle Street, Brisbane QLD 4000 www.lineareng.com.au - Tel: 0410 177 338</small>		<table border="1"> <tr><td>DRAWN</td><td>NM</td><td>06/09/21</td></tr> <tr><td>DESIGN</td><td>LW</td><td>06/09/21</td></tr> <tr><td>VERIFY</td><td></td><td></td></tr> <tr><td>APPROVED</td><td></td><td></td></tr> </table>		DRAWN	NM	06/09/21	DESIGN	LW	06/09/21	VERIFY			APPROVED			<b>STL CUI SUGAR TERMINAL UPGRADE SERVICES</b> <b>POTABLE WATER ARRANGEMENT</b>		DRAWING No. <b>255210-P-011</b>	
DRAWN	NM	06/09/21																													
DESIGN	LW	06/09/21																													
VERIFY																															
APPROVED																															
A	06/09/21	ISSUED FOR REVIEW		NM	LW									<table border="1"> <tr><td>SCALE</td><td>REV</td><td>A1</td></tr> <tr><td>1:1000</td><td>A</td><td>A1</td></tr> </table>		SCALE	REV	A1	1:1000	A	A1										
SCALE	REV	A1																													
1:1000	A	A1																													
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												 <small>Brisbane Office: Level 13/145 Eagle Street, Brisbane QLD 4000 www.lineareng.com.au - Tel: 0410 177 338</small>		DRAWN N.MOBSBY 06/09/21 DESIGN L.WILLIAMS 06/09/21 VERIFY APPROVED		STL CUI SUGAR TERMINAL UPGRADE SERVICES POTABLE WATER DETAILS		DRAWING No. <b>255200-P-012</b>		
A	06/09/21	ISSUED FOR REVIEW			NM	LW								<b>PRELIMINARY</b> NOT FOR CONSTRUCTION				SCALE	REV	A1
REV	DATE	REVISION DETAILS			DRN	DES	APP											1:1000	A	A1



- SPRINKLERS REQUIRED:
- C22 GALLERIES
  - C22/C21 TRANSFER TOWER
  - C21 GALLERIES
  - C21/C6 TRANSFER TOWER

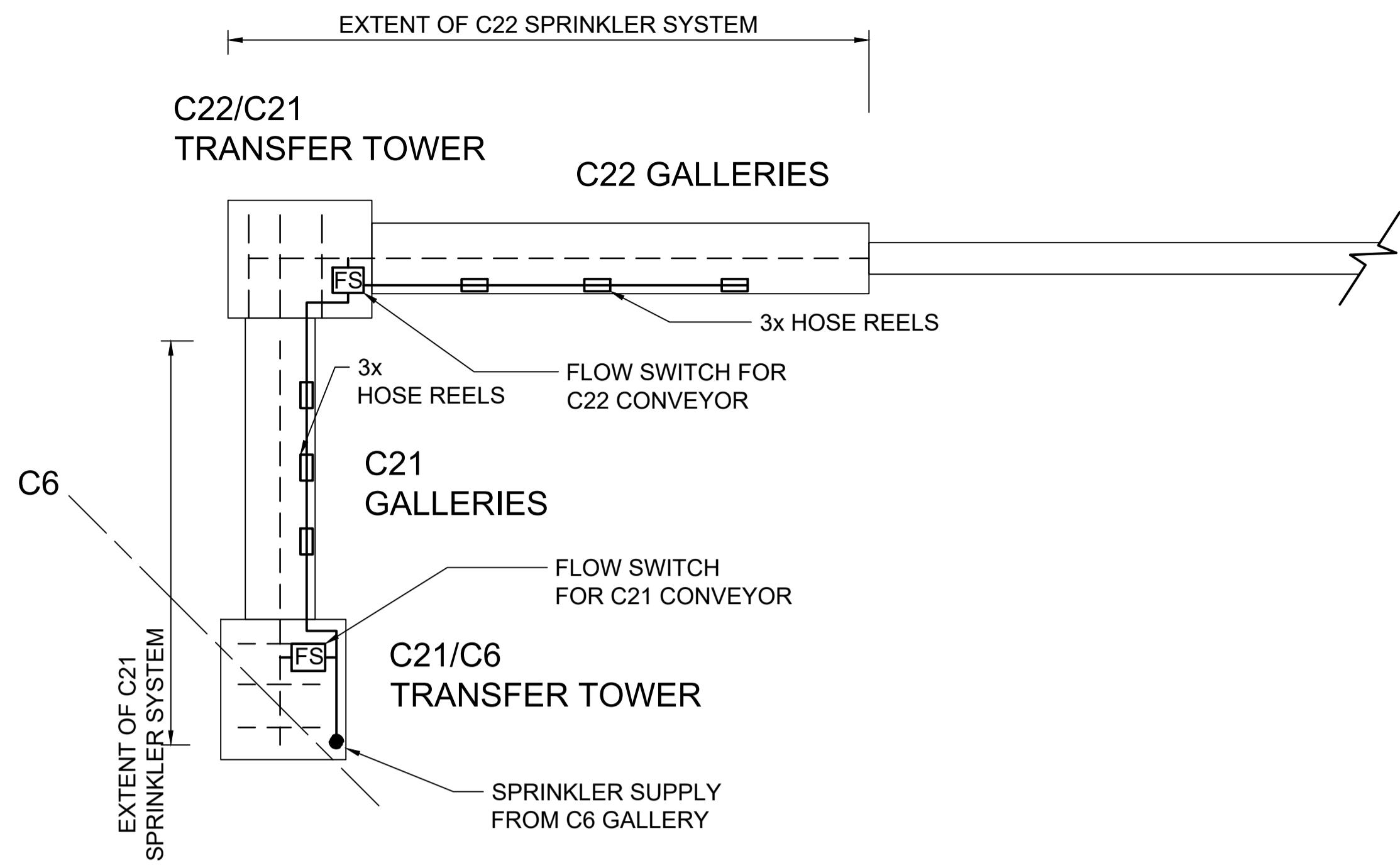
- ⊗ FIRE HYDRANT
- ⊗ STOP VALVE

- GENERAL NOTES:**
1. NOTIFY ENGINEER IF DISCREPANCY IS NOTED
  2. UNDERGROUND PIPEWORK SHALL BE INSTALLED IN ACCORDANCE WITH AS2419.1, AS3500.1 AND MANUFACTURERS RECOMMENDATIONS
  3. WRAP ALL UNDERGROUND STEEL PIPE SECTIONS WITH DENSO PETROLEUM TAPE
  4. PIPEWORK BELOW GROUND SHALL BE RESTRAINED BY THRUST BLOCKS AT:
    - A. TERMINATION OF PIPEWORK
    - B. AT VALVES
    - C. AT THE REDUCING FITTING IN THE DIRECTION OF SMALLER PIPE
    - D. AT ALL TEE JUNCTIONS AND BENDS
  5. ALL ABOVE GROUND PIPE SHALL BE GALVANIZED STEEL IN ACCORDANCE WITH AS2419.1
  6. ALL ABOVE GROUND PIPE SHALL BE PAINTED SIGNAL R13 RED
  7. ALL EXTERNAL FIRE HYDRANTS SHALL BE PROTECTED WITH BOLLARDS
  8. UNDERGROUND ISOLATION VALVES SHALL BE KEY SLUICE VALVES IN ACCORDANCE WITH AS2419.1 & AS2638
  9. ALL EQUIPMENT SHALL COMPLY WITH THE RELEVANT AUSTRALIAN STANDARD
  10. FIRE DETECTION AND ALARM CABLING SHALL BE INSTALLED IN ACCORDANCE WITH AS/ACIF S009 & AS1670

**PLAN**

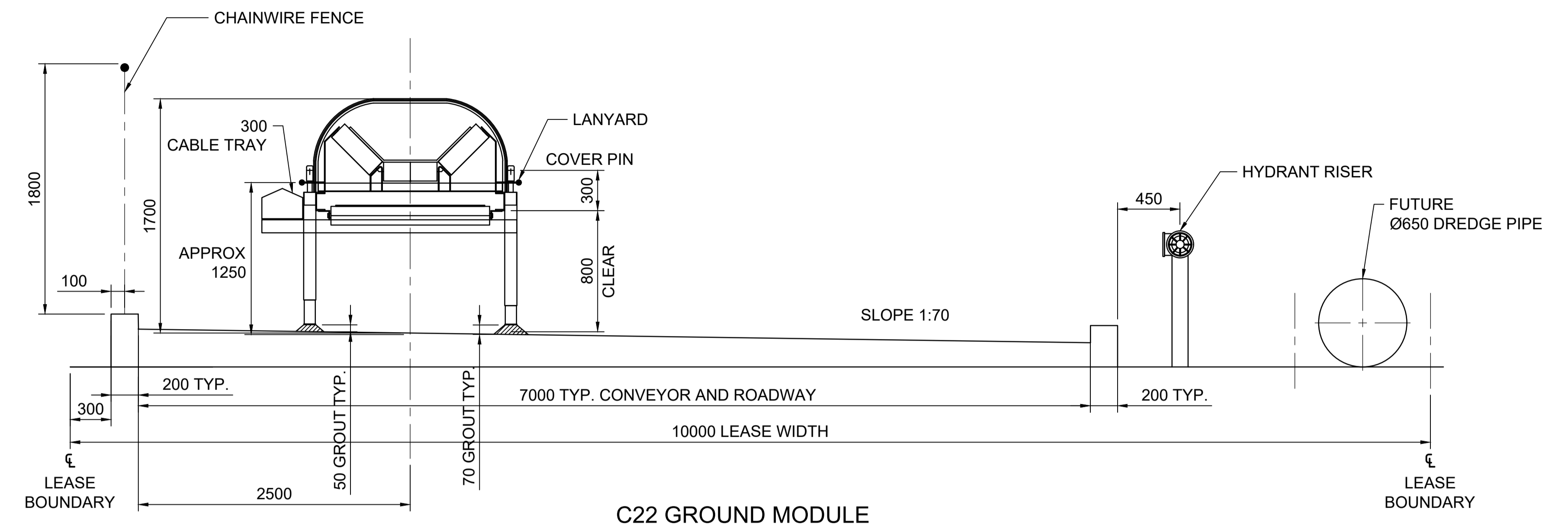


												STL		 <small>Brisbane Office: Level 13/145 Eagle Street, Brisbane QLD 4000 www.lineareng.com.au - Tel: 0410 177 338</small>		<table border="1"> <tr><td>DRAWN</td><td>NM</td><td>11/08/21</td></tr> <tr><td>DESIGN</td><td>LW</td><td>11/08/21</td></tr> <tr><td>VERIFY</td><td></td><td></td></tr> <tr><td>APPROVED</td><td></td><td></td></tr> </table>	DRAWN	NM	11/08/21	DESIGN	LW	11/08/21	VERIFY			APPROVED			<p>STL CUI SUGAR TERMINAL UPGRADE SERVICES FIRE SYSTEMS ARRANGEMENT</p>	DRAWING No.	
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DESIGN	LW	11/08/21																													
VERIFY																															
APPROVED																															
																		255200-P-014													
REV	DATE	REVISION DETAILS			DRN	DES	APP	REFERENCE DRAWINGS	REF NUMBER	CLIENT	<p><b>PRELIMINARY</b> NOT FOR CONSTRUCTION</p>		SCALE	REV	A	A1															
A	11/08/21	ISSUED FOR REVIEW										1:1000																			

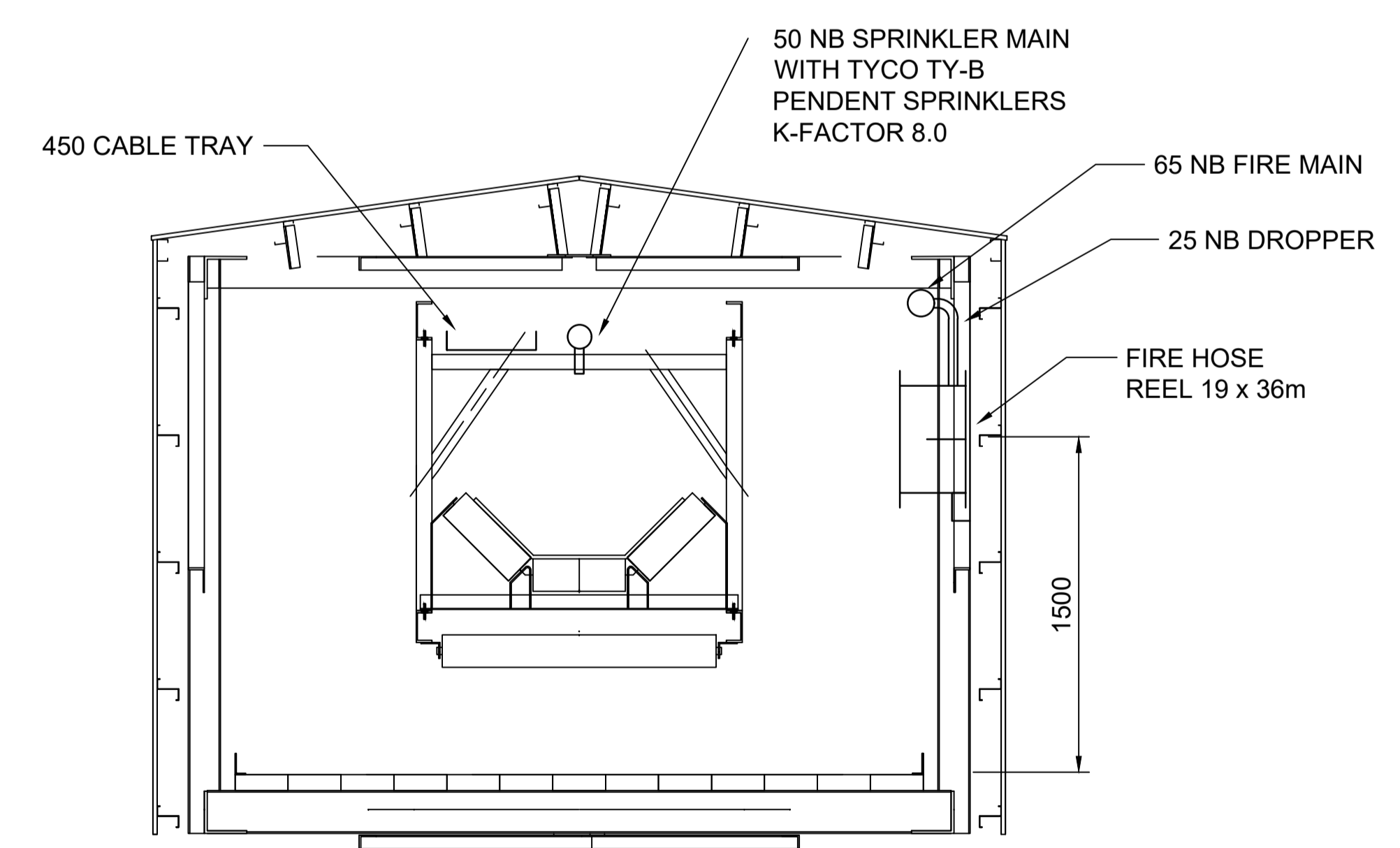


**SPRINKLER SCHEMATIC**

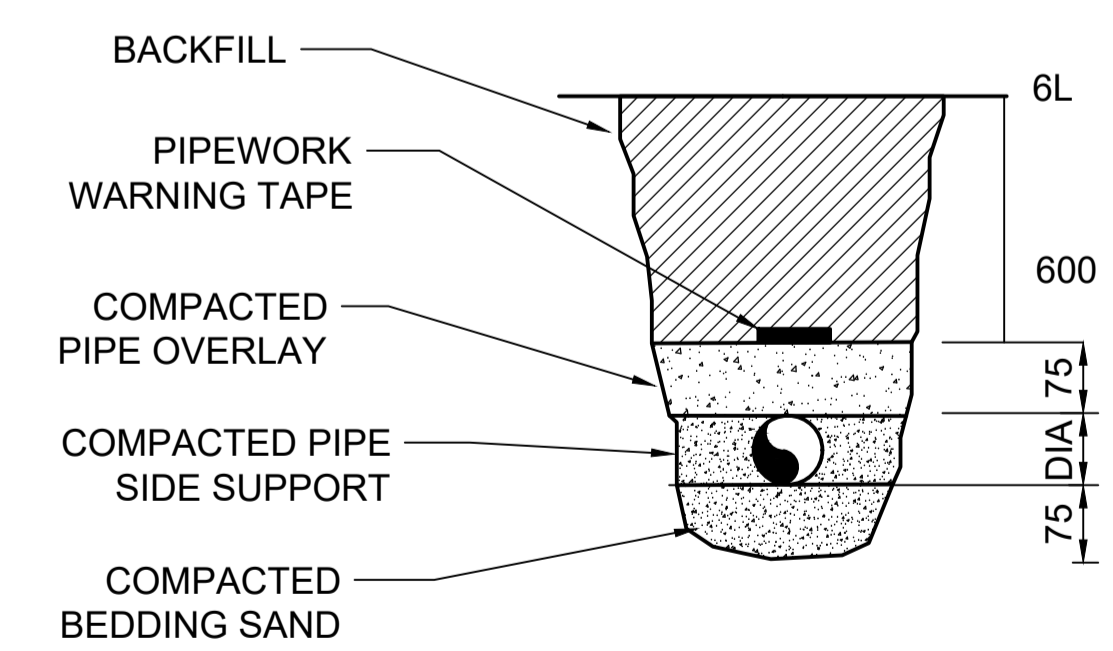
- SPRINKLER PIPES
- MAIN FIRE SUPPLY PIPE



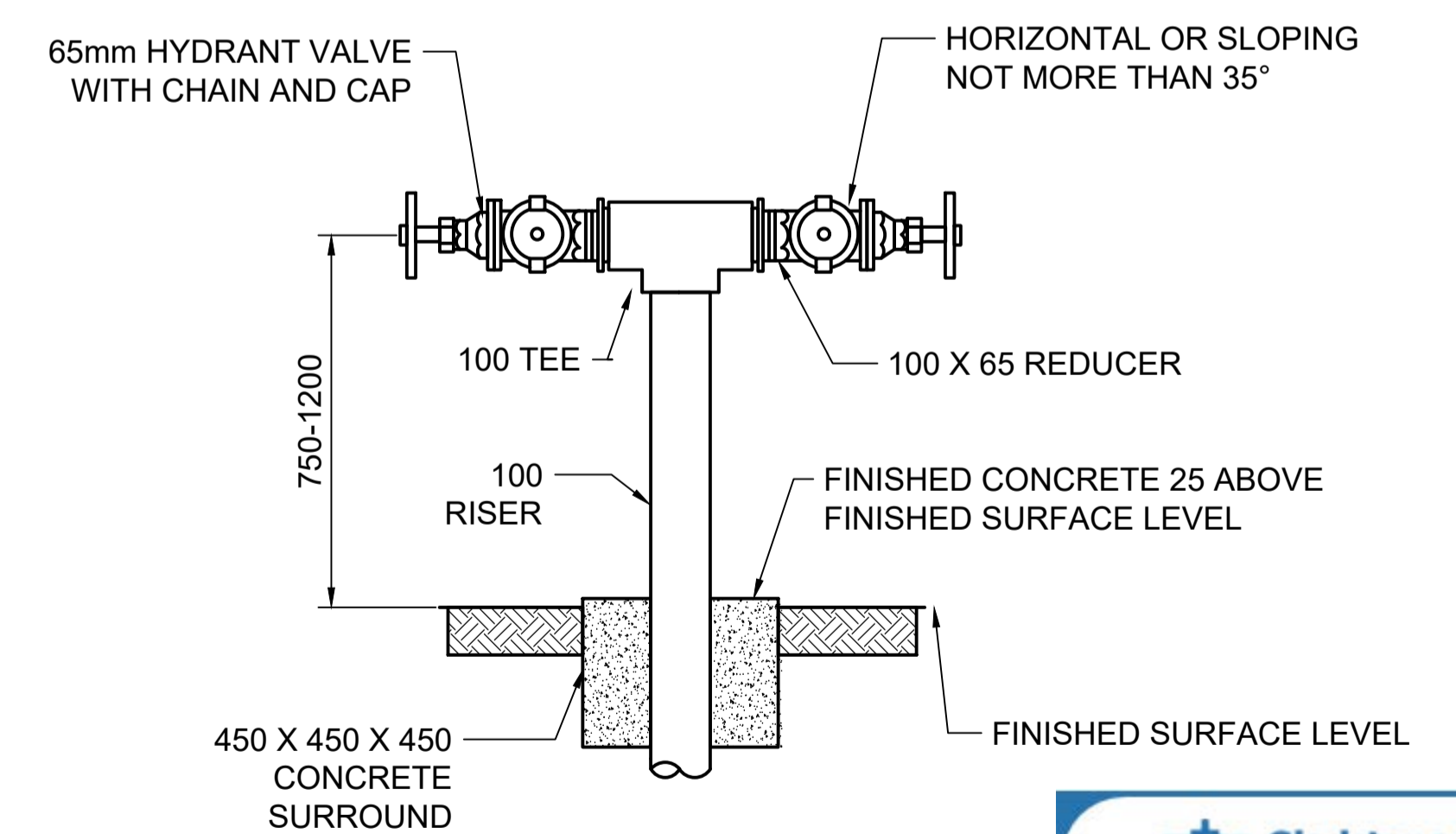
**C22 GROUND MODULE**



**TYPICAL GALLERY SECTION**



**TRENCH DETAIL**  
ALL MEASUREMENTS IN mm



**HYDRANT RISER DETAIL**  
ALL MEASUREMENTS IN mm

**GPC Gladstone Ports Corporation**

**APPROVED**

Name: Erin Clark  
Date: 12:18pm 27/04/2022

REV	DATE	REVISION DETAILS	DRN	DES	APP	REFERENCE DRAWINGS	REF NUMBER
A	31/08/21	ISSUED FOR REVIEW	N.M	L.W			



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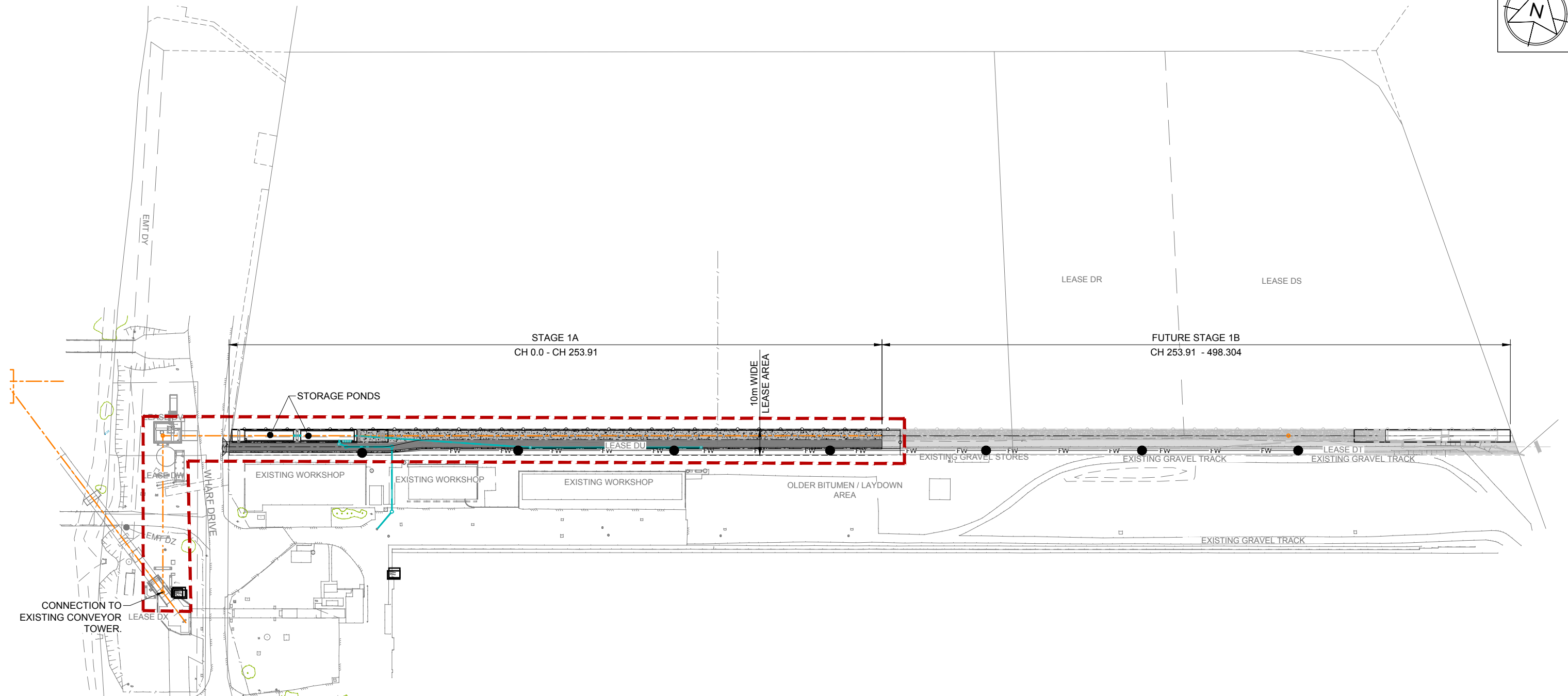
DRAWN	N.MOBSBY	11/08/2021
DESIGN	L.WILLIAMS	11/08/2021
VERIFY		
APPROVED		

**PRELIMINARY**  
NOT FOR CONSTRUCTION

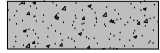
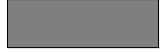


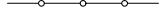
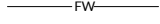

STL CUI SUGAR TERMINAL UPGRADE SERVICES  
**FIRE SYSTEMS DETAILS**

DRAWING No.			
<b>225200-P-015</b>			
SCALE	REV	A	A1
N/A			


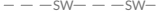






**LEGEND - PROPOSED**

-  CONCRETE PAVEMENT
-  AC PAVEMENT
-  STORMWATER
-  CONVEYOR CENTERLINE
-  CHAINWIRE FENCE U.N.O.
-  WATER FIRE SERVICE (SHOWN FOR CLARITY ONLY)  
REFER DWG. 255200-P-014 AND 015 FOR DETAILS.
-  STAGE 1A WORKS BOUNDARY

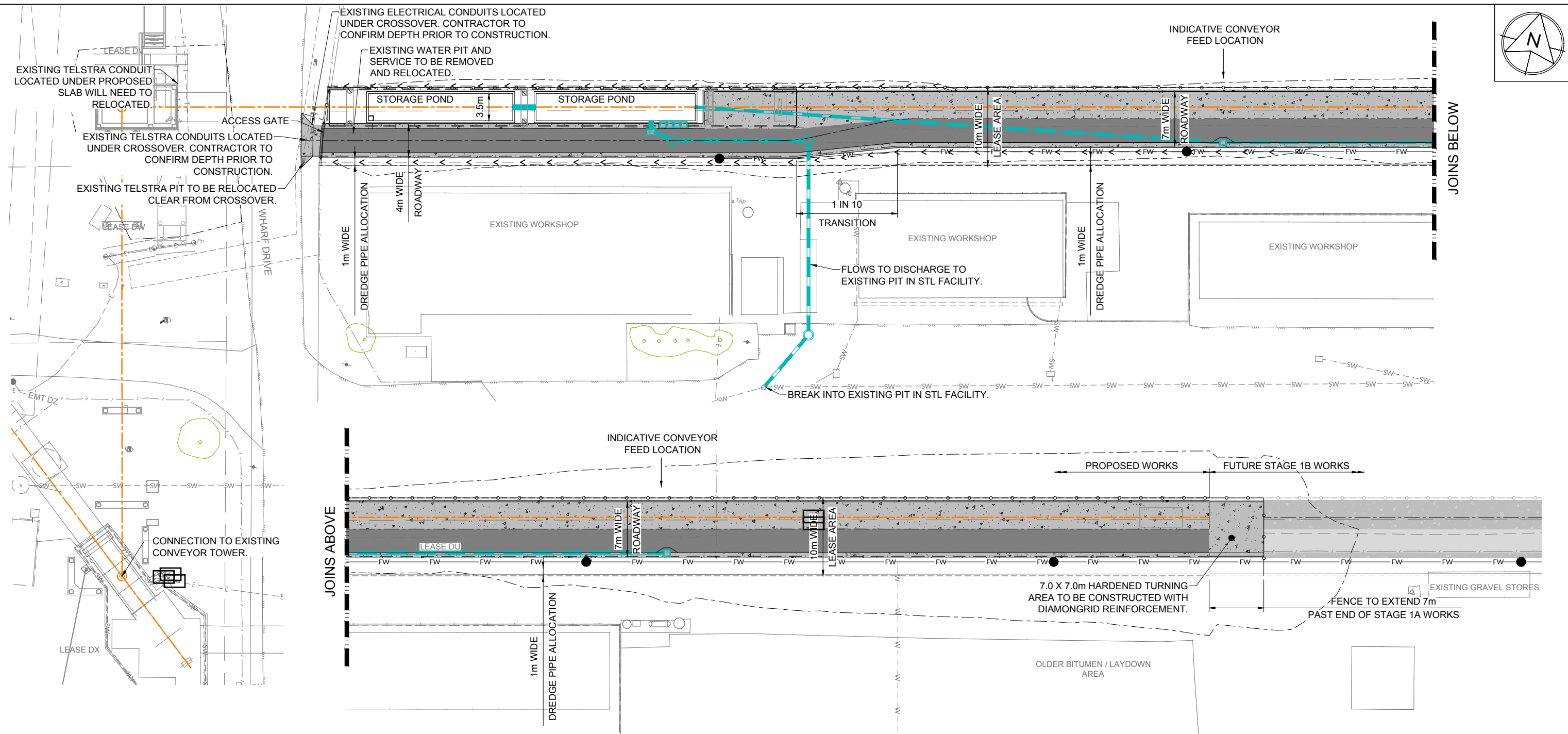
**LEGEND - EXISTING**

-  EDGE OF BITUMEN
-  STORMWATER
-  ELECTRICAL
-  TELSTRA






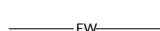

 **Gladstone Ports Corporation**  
  
 Name: Erin Clark  
 Date: 12:20pm 27/04/2022

**SURVEY NOTE:**  
LEASE BOUNDARIES ARE APPROXIMATE ONLY AND ARE TO BE VERIFIED ON SITE BY THE PRINCIPAL SURVEYOR PRIOR TO ANY WORKS COMMENCING.





E	06/10/21	FINAL ISSUE	LT	LT				  <small>Brisbane Office: Level 13/145 Eagle Street, Brisbane QLD 4000 www.lineareng.com.au - Tel: 0410 177 338</small> <small>THIS DRAWING IS THE INTELLECTUAL PROPERTY OF LINEAR ENGINEERING AND MUST NOT BE USED FOR ANY PURPOSE WHATSOEVER WITHOUT WRITTEN APPROVAL. USE HARD COPY INFORMATION ONLY U.N.O. THIRD ANGLE PROJECTION U.N.O. DO NOT SCALE FROM DRAWING</small>	DRAWN	LT	06/10/21	<b>PRELIMINARY</b> NOT FOR CONSTRUCTION	<b>BST CUI SUGAR TERMINAL UPGRADE</b> <b>OVERALL SITE LAYOUT PLAN</b>	DRAWING No.						
D	31/08/21	ADDED NEW CONVEYOR CL AND REVISED PAVEMENT TYPE	LT	LT					DESIGN	LT	06/10/21			<b>255220-C-002</b>	SCALE					
C	30/06/21	MINOR AMENDMENTS TO CONCEPT DESIGN	LT	LT					VERIFY	AG	06/10/21				1:750	REV E	A1			
B	26/05/21	CONCEPT DESIGN FOR REVIEW	LT	LT					APPROVED											
A	21/05/21	FOR REVIEW	LT	LT																
REV	DATE	REVISION DETAILS	DRN	DES	APP	REFERENCE DRAWINGS	REF NUMBER	CLIENT												



**LEGEND - PROPOSED**

-  CONCRETE PAVEMENT
-  AC PAVEMENT
-  STORMWATER
-  CATCH DRAIN
-  CONVEYOR CENTERLINE
-  CHAINWIRE FENCE U.N.O.
-  WATER FIRE SERVICE (SHOWN FOR CLARITY ONLY)  
REFER DWG. 255200-P-014 AND 015 FOR DETAILS.

**LEGEND - EXISTING**

-  EDGE OF BITUMEN
-  STORMWATER
-  ELECTRICAL
-  TELSTRA



**SURVEY NOTE:**  
LEASE BOUNDARIES ARE APPROXIMATE ONLY AND ARE TO BE VERIFIED ON SITE BY THE PRINCIPAL SURVEYOR PRIOR TO ANY WORKS COMMENCING.

E	06/10/21	FINAL ISSUE	LT	LT																
D	31/08/21	ADDED NEW CONVEYOR CL AND REVISED PAVEMENT TYPE	LT	LT																
C	30/06/21	MINOR AMENDMENTS TO CONCEPT DESIGN	LT	LT																
B	26/05/21	CONCEPT DESIGN FOR REVIEW	LT	LT																
A	21/05/21	FOR REVIEW	LT	LT																
REV	DATE	REVISION DETAILS	DRN	DES	APP	REFERENCE DRAWINGS	REF NUMBER	CLIENT												

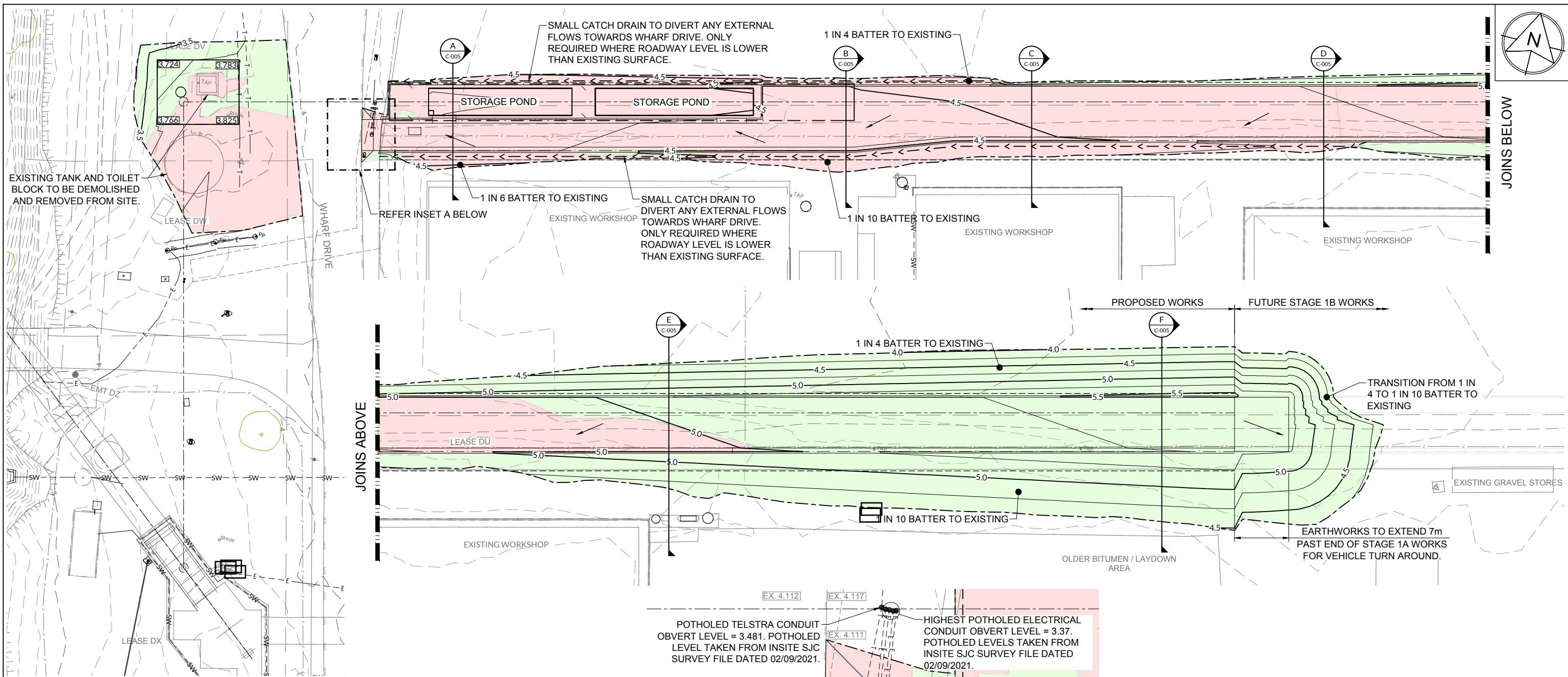


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DO NOT SCALE FROM DRAWING

DRAWN	LT	06/10/21
DESIGN	LT	06/10/21
VERIFY	AG	06/10/21
APPROVED		
<b>PRELIMINARY</b> NOT FOR CONSTRUCTION		

**BST CUI SUGAR TERMINAL UPGRADE  
SITE LAYOUT PLAN**

DRAWING No.	
<b>255220-C-003</b>	
SCALE	REV
1:250	E A1

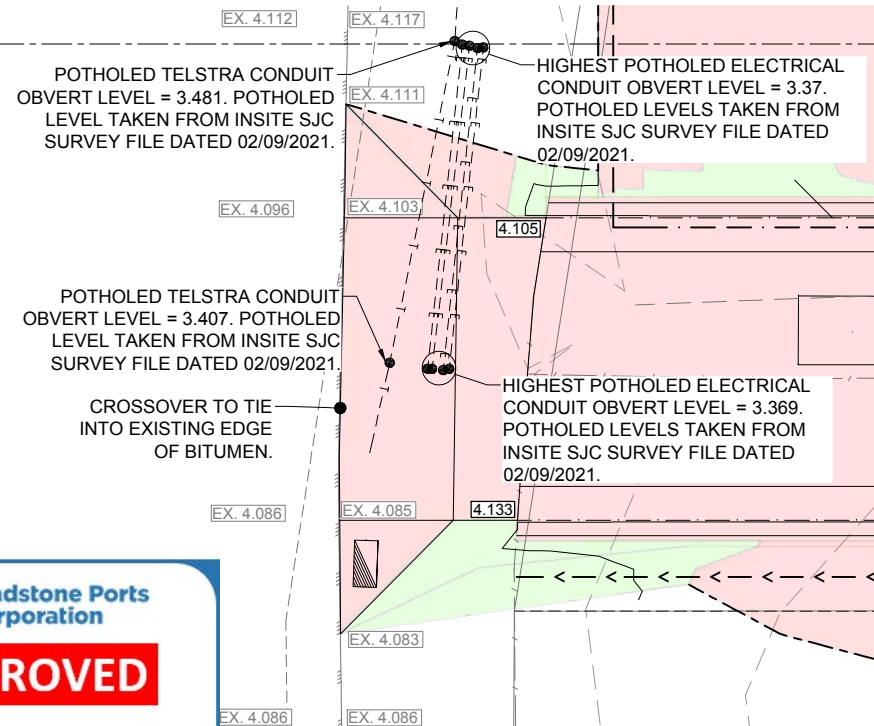


**LEGEND - PROPOSED**

- EXTENT OF CUT
- EXTENT OF FILL
- FINISHED MAJOR CONTOURS (0.50m)
- FINISHED MINOR CONTOURS (0.25m)
- ↘ STORMWATER FALL ARROW
- > CATCH DRAIN

**LEGEND - EXISTING**

- 12.0 MAJOR CONTOURS (1.00m)
- MINOR CONTOURS (0.25m)
- SW STORMWATER
- E ELECTRICAL
- T TELSTRA



**INSET A**  
SCALE 1:50

**EARTHWORKS VOLUMES**

CUT = -1,018.4m<sup>3</sup>  
 FILL = 1,153.9m<sup>3</sup>  
 BALANCE = 135.5m<sup>3</sup>

("-" EXPORT, "+" IMPORT)

**NOTES**

- EXCLUDES BULKING AND COMPACTION FACTORS.
- ALLOWANCE FOR MINIMUM ROAD BOX THICKNESS OF 380mm.
- ALLOWANCE FOR MINIMUM 250mm WALL/BASE THICKNESS FOR STORAGE PONDS.

**EXISTING POTHOLED SERVICES:**

EXISTING LEVELS OF POTHOLED SERVICES ARE TAKEN FROM INSITE SJC SURVEY FILE DATED 02/09/2021. CONTRACTOR TO CONFIRM LEVELS PRIOR TO CONSTRUCTION.

**SURVEY NOTE:**

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REV	DATE	REVISION DETAILS	DRN	DES	APP	REFERENCE DRAWINGS	REF NUMBER	CLIENT
C	06/10/21	FINAL ISSUUE	LT	LT				
B	31/08/21	REVISED STORAGE POND DEPTHS AND TOWER TIE IN EXTENTS	LT	LT				
A	30/06/21	CONCEPT DESIGN REVIEW	LT	LT				

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 DO NOT SCALE FROM DRAWING

**STL**

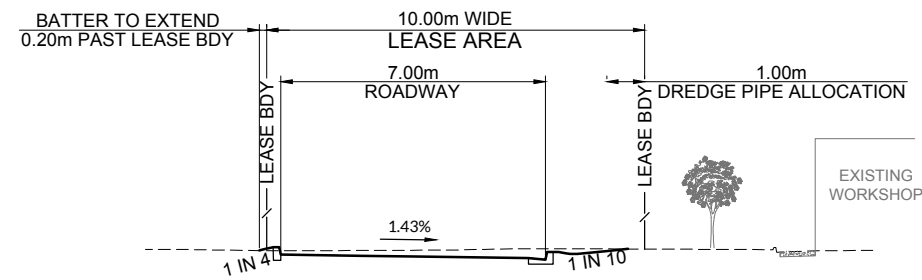
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 DESIGN: LT 06/10/21  
 VERIFY: AG 06/10/21

**PRELIMINARY**  
 NOT FOR CONSTRUCTION

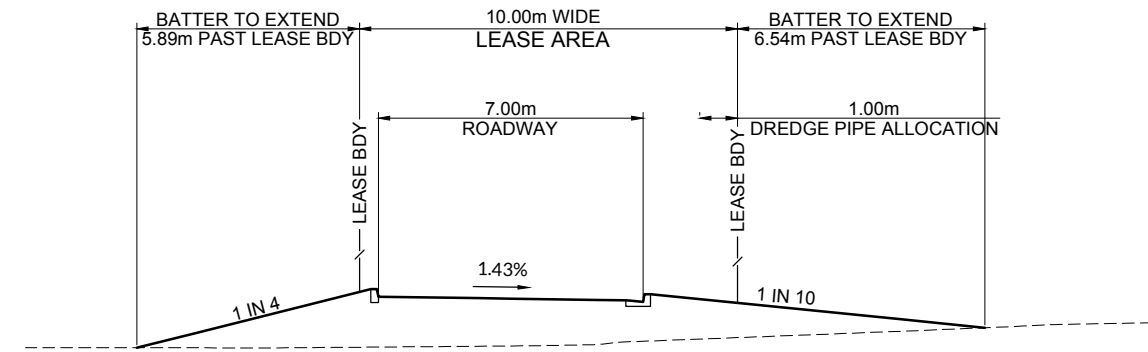
**BST CUI SUGAR TERMINAL UPGRADE**  
**BULK EARTHWORKS LAYOUT PLAN**

DRAWING No.  
**255220-C-004**

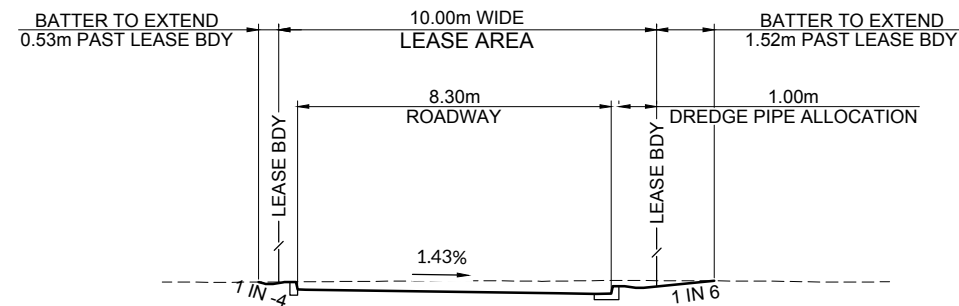
SCALE: 1:250 REV: C A1



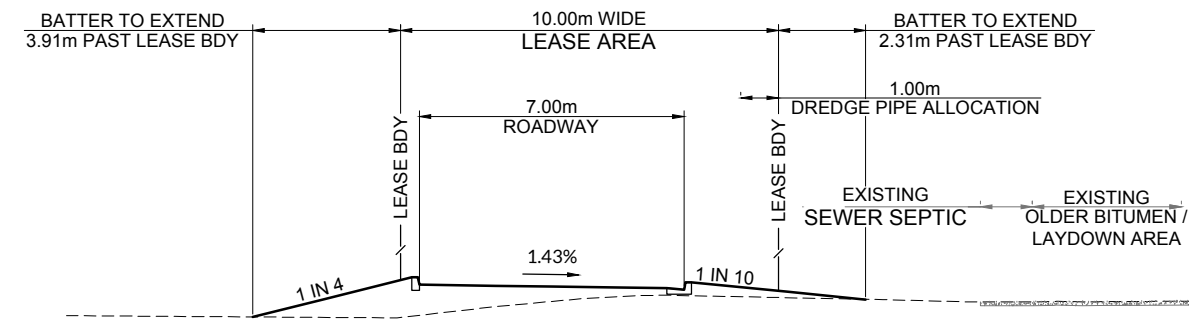
SECTION C SCALE 1:100 DATUM R.L. 0.00



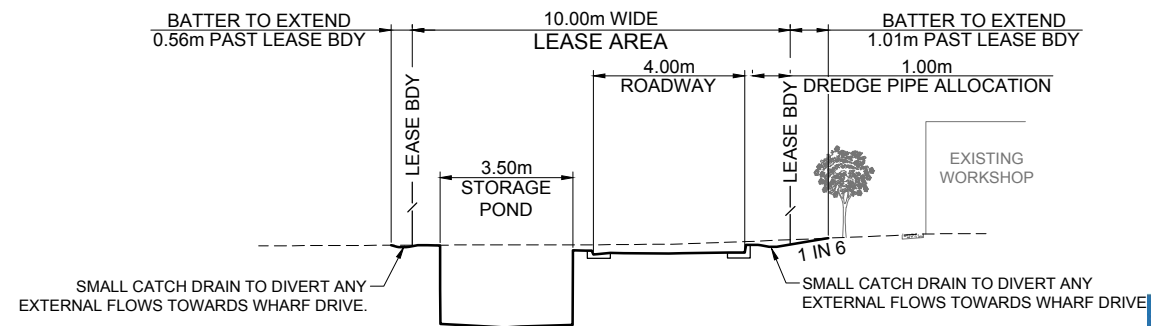
SECTION F SCALE 1:100 DATUM R.L. 0.00



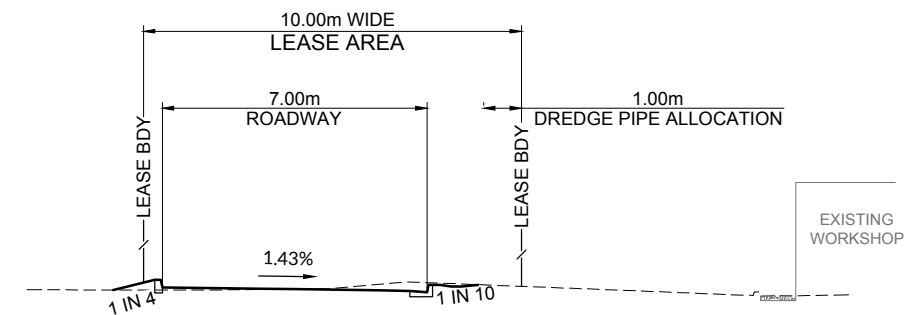
SECTION B SCALE 1:100 DATUM R.L. 0.00



SECTION E SCALE 1:100 DATUM R.L. 0.00



SECTION A SCALE 1:100 DATUM R.L. 0.00



SECTION D SCALE 1:100 DATUM R.L. 0.00

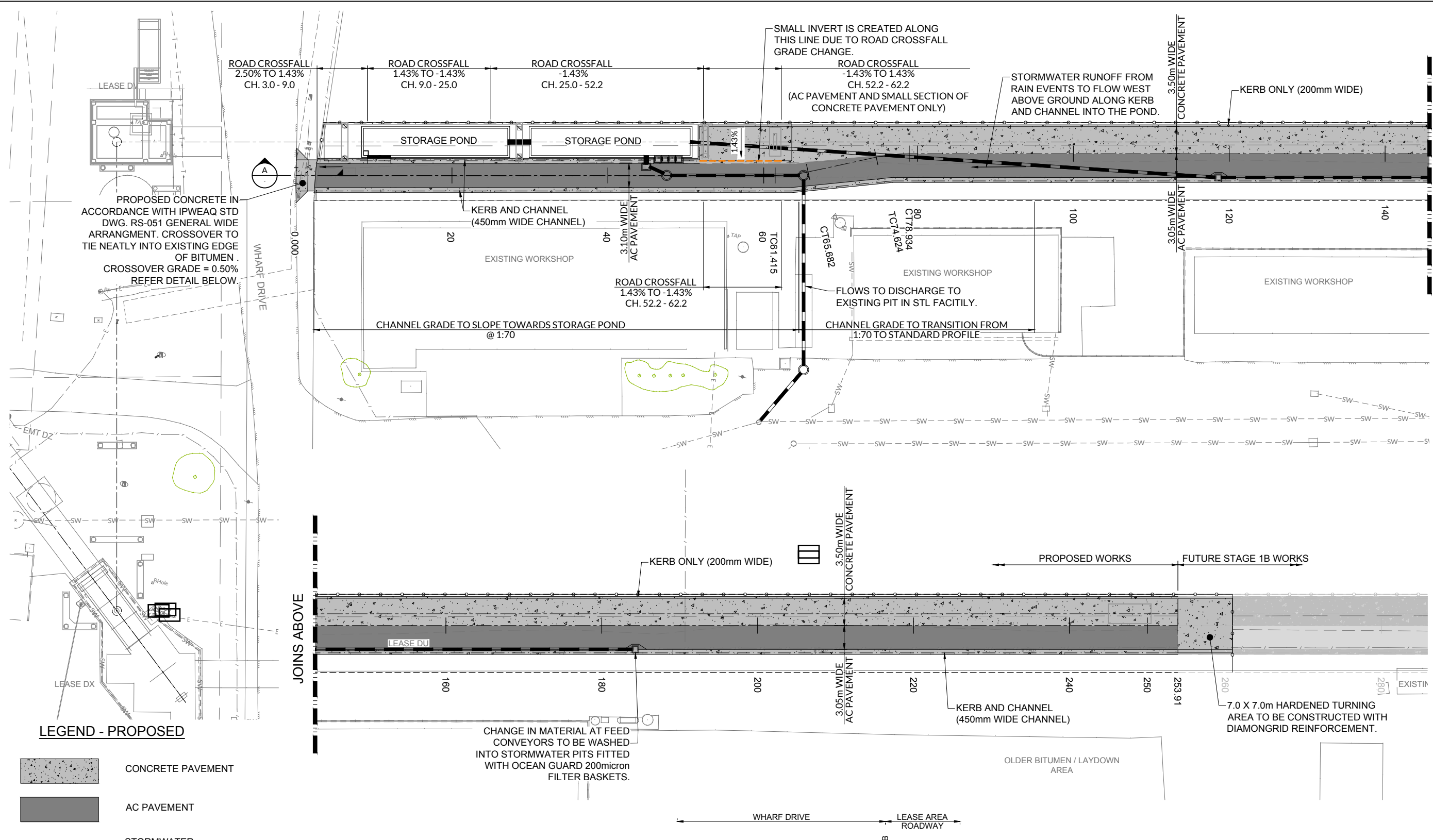


DRAWN	LT	06/10/21
DESIGN	LT	06/10/21
VERIFY	AG	06/10/21
APPROVED		
PRELIMINARY NOT FOR CONSTRUCTION		

BST CUI SUGAR TERMINAL UPGRADE BULK EARTHWORKS SECTIONS	
SCALE	1:100
REV	C
	A1

DRAWING No.	
255220-C-005	

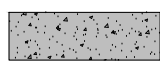


REV	DATE	REVISION DETAILS	DRN	DES	APP	REFERENCE DRAWINGS	REF NUMBER
C	06/10/21	FINAL ISSSUE	LT	LT			
B	31/08/21	MINOR AMENDMENTS TO SUIT EARTHWORKS	LT	LT			
A	30/06/21	CONCEPT DESIGN REVIEW	LT	LT			




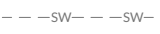


JOINS BELOW

JOINS ABOVE

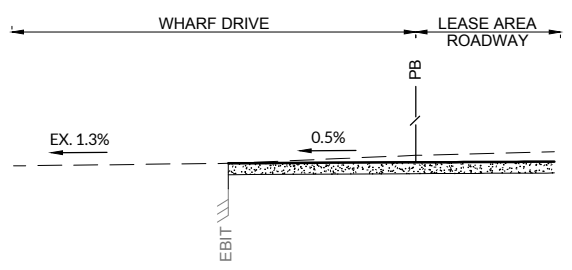
**LEGEND - PROPOSED**

-  CONCRETE PAVEMENT
-  AC PAVEMENT
-  STORMWATER

**LEGEND - EXISTING**

-  EDGE OF BITUMEN
-  STORMWATER
-  ELECTRICAL
-  TELSTRA

CHANGE IN MATERIAL AT FEED CONVEYORS TO BE WASHED INTO STORMWATER PITS FITTED WITH OCEAN GUARD 200micron FILTER BASKETS.



**A SECTION**  
SCALE 1:50

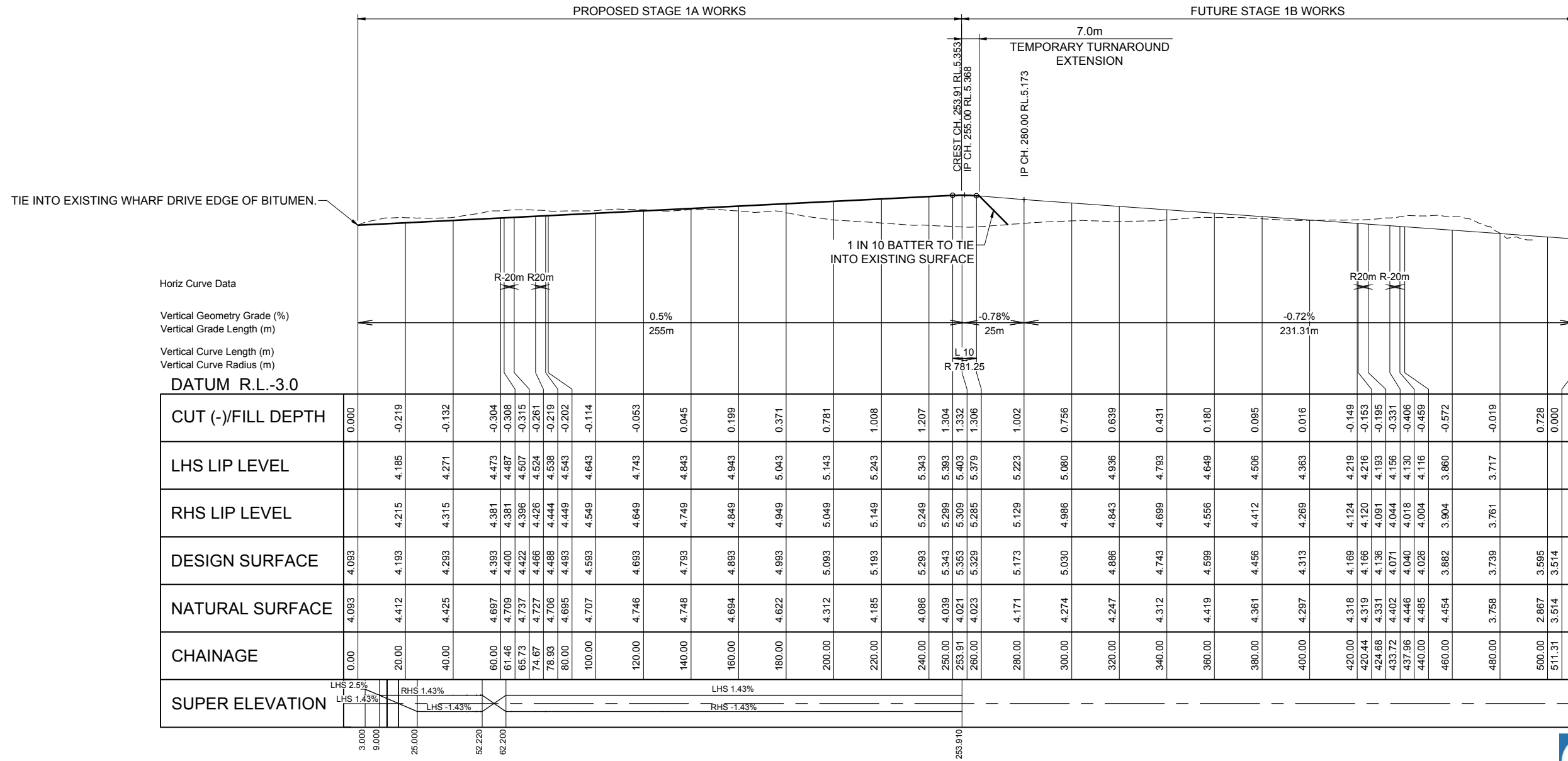
**GPC Gladstone Ports Corporation**

**APPROVED**

Name: Erin Clark  
Date: 12:20pm 27/04/2022

**SURVEY NOTE:**  
LEASE BOUNDARIES ARE APPROXIMATE ONLY AND ARE TO BE VERIFIED ON SITE BY THE PRINCIPAL SURVEYOR PRIOR TO ANY WORKS COMMENCING.

REV	DATE	REVISION DETAILS	DRN	DES	APP	REFERENCE DRAWINGS	REF NUMBER	CLIENT	  <p>THIS DRAWING IS THE INTELLECTUAL PROPERTY OF LINEAR ENGINEERING AND MUST NOT BE USED FOR ANY PURPOSE WHATSOEVER WITHOUT WRITTEN APPROVAL. USE HARD COPY INFORMATION ONLY U.N.O. THIRD ANGLE PROJECTION U.N.O. DO NOT SCALE FROM DRAWING.</p>	<table border="1"> <tr> <td>DRAWN</td> <td>LT</td> <td>06/10/21</td> </tr> <tr> <td>DESIGN</td> <td>LT</td> <td>06/10/21</td> </tr> <tr> <td>VERIFY</td> <td>AG</td> <td>06/10/21</td> </tr> </table> <p><b>APPROVED</b></p> <p><b>PRELIMINARY</b> NOT FOR CONSTRUCTION</p>	DRAWN	LT	06/10/21	DESIGN	LT	06/10/21	VERIFY	AG	06/10/21	<p>BST CUI SUGAR TERMINAL UPGRADE CONVEYOR HARDSTAND AND PAVEMENT LAYOUT PLAN</p>	<p>DRAWING No.</p> <p><b>255220-C-007</b></p>
DRAWN	LT	06/10/21																			
DESIGN	LT	06/10/21																			
VERIFY	AG	06/10/21																			
									<table border="1"> <tr> <td>SCALE</td> <td>REV</td> <td>E</td> <td>A1</td> </tr> <tr> <td>1:250</td> <td></td> <td></td> <td></td> </tr> </table>	SCALE	REV	E	A1	1:250							
SCALE	REV	E	A1																		
1:250																					



Horiz Curve Data  
 Vertical Geometry Grade (%)  
 Vertical Grade Length (m)  
 Vertical Curve Length (m)  
 Vertical Curve Radius (m)

DATUM R.L.-3.0

CUT (-)/FILL DEPTH	0.000	-0.219	-0.132	-0.304	-0.308	-0.315	-0.261	-0.202	-0.114	-0.053	0.045	0.199	0.371	0.781	1.008	1.207	1.304	1.332	1.306	1.002	0.756	0.639	0.431	0.180	0.095	0.016	-0.149	-0.153	-0.195	-0.331	-0.406	-0.459	-0.572	-0.019	0.728	0.000		
LHS LIP LEVEL		4.185	4.271	4.473	4.487	4.507	4.524	4.538	4.643	4.743	4.843	4.943	5.043	5.143	5.243	5.343	5.393	5.403	5.379	5.223	5.080	4.936	4.793	4.649	4.506	4.363	4.219	4.120	4.091	4.196	4.130	4.116	3.860	3.717				
RHS LIP LEVEL		4.215	4.315	4.381	4.381	4.396	4.426	4.444	4.549	4.649	4.749	4.849	4.949	5.049	5.149	5.249	5.299	5.309	5.285	5.129	4.986	4.843	4.699	4.556	4.412	4.269	4.124	4.120	4.044	4.018	4.130	4.040	3.904	3.761				
DESIGN SURFACE	4.093	4.193	4.293	4.393	4.400	4.422	4.466	4.488	4.593	4.693	4.793	4.893	4.993	5.093	5.193	5.293	5.343	5.365	5.329	5.173	5.030	4.886	4.743	4.599	4.456	4.313	4.169	4.166	4.136	4.071	4.040	4.026	3.882	3.739	3.595	3.514		
NATURAL SURFACE	4.093	4.412	4.425	4.697	4.709	4.737	4.727	4.706	4.707	4.746	4.748	4.694	4.622	4.312	4.185	4.086	4.039	4.021	4.023	4.171	4.274	4.247	4.312	4.419	4.361	4.297	4.318	4.319	4.166	4.120	4.120	4.136	4.071	4.040	4.026	3.758	2.867	3.514
CHAINAGE	0.00	20.00	40.00	60.00	61.46	65.73	74.67	78.93	80.00	100.00	120.00	140.00	160.00	180.00	200.00	220.00	240.00	250.00	253.91	260.00	280.00	300.00	320.00	340.00	360.00	380.00	400.00	420.00	420.44	424.68	433.72	437.96	440.00	460.00	480.00	500.00	511.31	
SUPER ELEVATION		LHS 2.5%	LHS 1.43%	RHS 1.43%	LHS -1.43%					LHS 1.43%																												

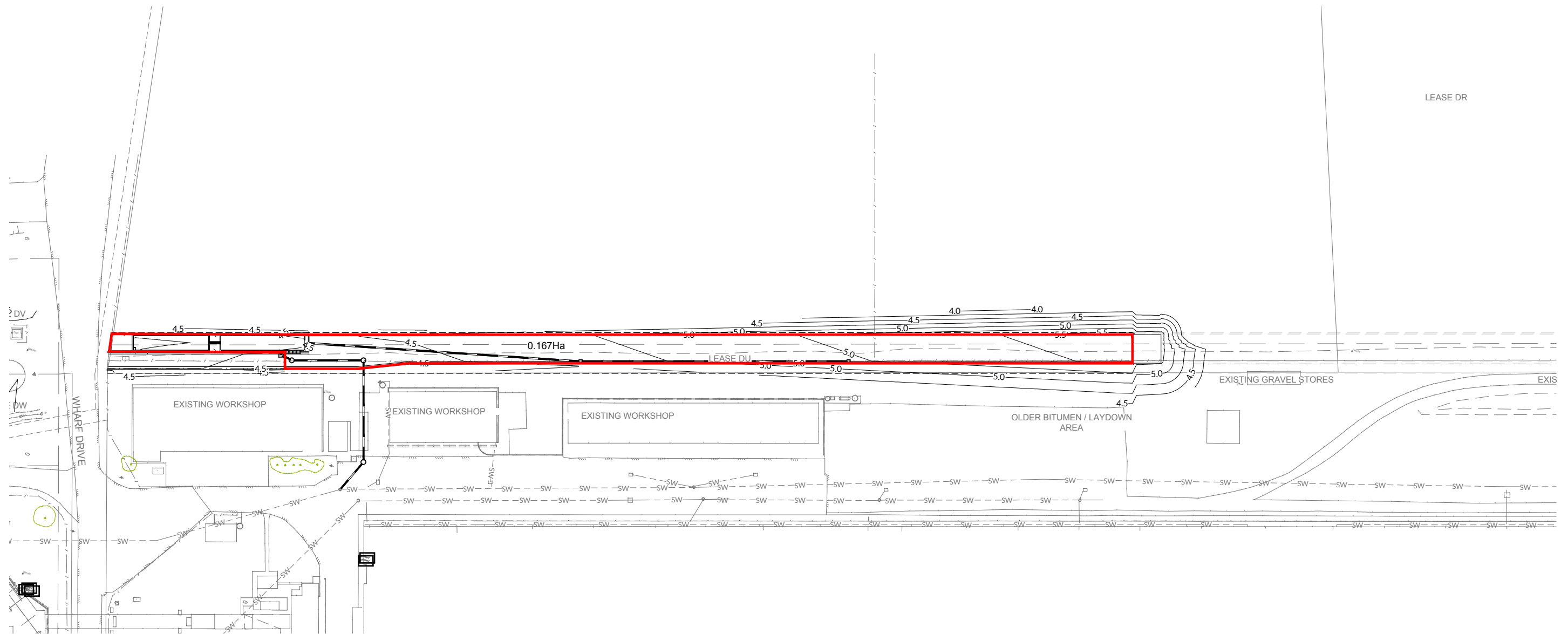
DRIVEWAY LONGITUDINAL SECTION  
 SCALE: HORIZONTAL 1:1000  
 VERTICAL 1:100

**GPC Gladstone Ports Corporation**

**APPROVED**

Name: Erin Clark  
 Date: 12:20pm 27/04/2022

REV	DATE	REVISION DETAILS	DRN	DES	APP	REFERENCE DRAWINGS	REF NUMBER	CLIENT			DRAWN LT 06/10/21 DESIGN LT 06/10/21 VERIFY AG 06/10/21 APPROVED <b>PRELIMINARY</b> NOT FOR CONSTRUCTION	BST CUI SUGAR TERMINAL UPGRADE CONVEYOR HARDSTAND AND PAVEMENT LONGITUDINAL SECTION	DRAWING No. <b>255220-C-008</b> SCALE 1:1000 1:100 REV C A1
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**CATCHMENT CALCULATIONS**

TOTAL CATCHMENT AREA (A) = 0.167Ha  
 FRACTION IMPERVIOUS (fi) = 1.0  
 DISCHARGE COEFFICIENT (C<sub>10</sub>) = 0.88  
 RAINFALL INTENSITY (I) = 299mm/hr (FOR 7mins.)  
 DISCHARGE COEFFICIENT (C<sub>ARI</sub>) = 1.0  
 1% AEP FLOW RATE (Q) = 0.139m<sup>3</sup>/s  
 ROADWAY FLOW VELOCITY (V) = 0.06m/s

**ROAD FLOW CAPACITY**

IZZARD'S EQUATION  
 $Q = 0.375 \times F \times (Z/n) \times S^{0.5} \times d^{2.667}$

FLOW CORRECTION FACTOR (F) = 0.90  
 CROSS SLOPE GRADIENT (Z) = 1.43%  
 MANNING'S ROUGHNESS (n) = 0.013  
 LONGITUDINAL SLOPE OF KERB (S) = 0.50%  
 MAXIMUM DEPTH OF FLOW (d) = 0.20m  
 LONGITUDINAL FLOW DOWN KERB (Q) = 0.36m<sup>3</sup>/s

**LEGEND - PROPOSED**

- STORMWATER CATCHMENT BOUNDARY
- 0.2311ha STORMWATER CATCHMENT AREA
- STORMWATER
- 12.0 FINISHED MAJOR CONTOURS (0.50m)
- FINISHED MINOR CONTOURS (0.25m)

**LEGEND - EXISTING**

- 12.0 MAJOR CONTOURS (1.00m)
- MINOR CONTOURS (0.25m)
- STORMWATER



REV	DATE	REVISION DETAILS	DRN	DES	APP	REFERENCE DRAWINGS	REF NUMBER	CLIENT
D	06/10/21	FINAL ISSUE	LT	LT				
C	08/08/21	REVISED CATCHMENT FOR DISCUSSION	LT	LT				
B	30/06/21	MINOR AMENDMENTS TO CONCEPT DESIGN	LT	LT				
A	26/05/21	CONCEPT DESIGN FOR REVIEW	LT	LT				



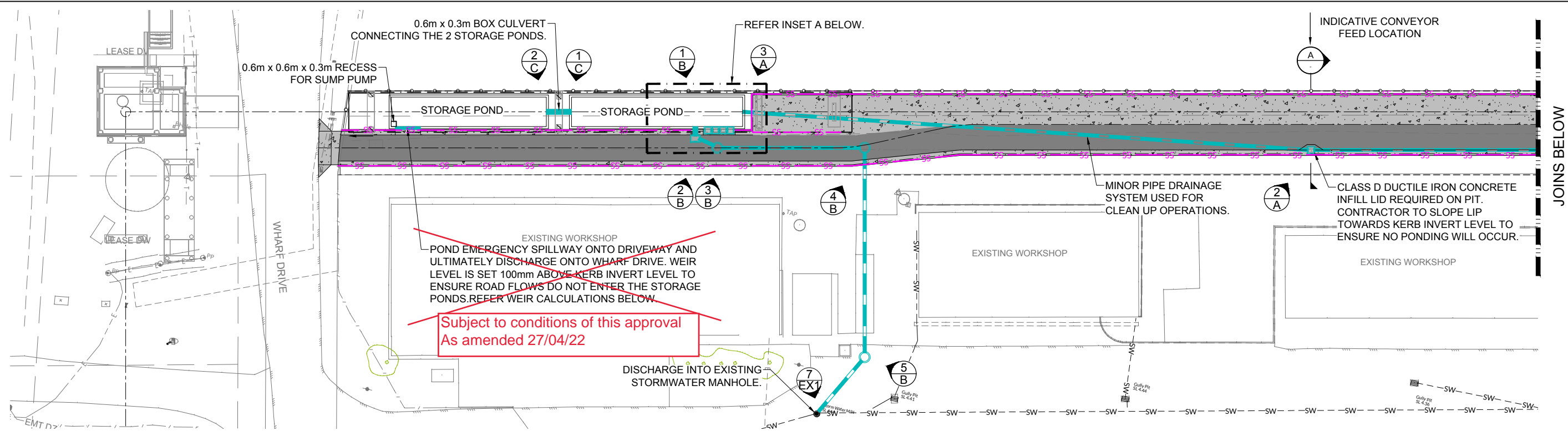
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DESIGN	LT	06/10/21
VERIFY	AG	06/10/21
APPROVED		

**PRELIMINARY**  
NOT FOR CONSTRUCTION

BST CUI SUGAR TERMINAL UPGRADE		DRAWING No.	
STORMWATER CATCHMENT PLAN		255220-C-010	
SCALE	REV	A1	
1:500	D		



JOINS BELOW

- LEGEND - PROPOSED**
- STORMWATER
  - STORMWATER STRUCTURE No.
  - STORMWATER FALL ARROW
  - SUBSOIL DRAINS (TYPE B/D) AS PER IPWEAQ STD DWG. RS-140. REFER DETAIL ON DWG. 255220-C-016
- LEGEND - EXISTING**
- STORMWATER
  - ELECTRICAL
  - TELSTRA

**STORAGE POND VOLUME**  
 (100mm CATCHMENT RUNOFF)  
 CATCHMENT AREA = 1,674.5m<sup>2</sup>  
 VOLUME (+ EXTRA 5% OF AREA) = 175.8m<sup>3</sup>

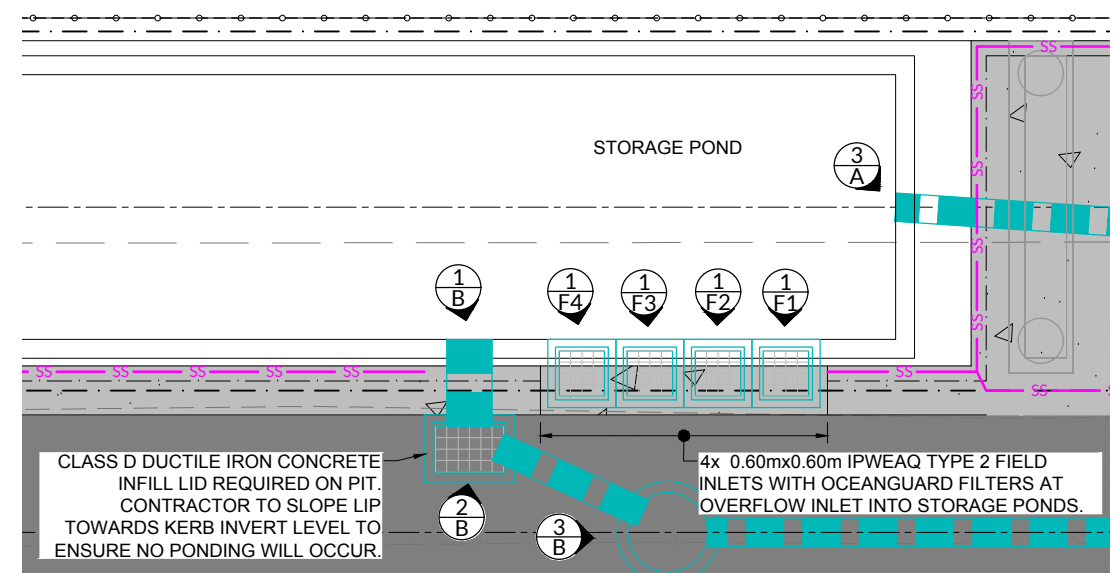
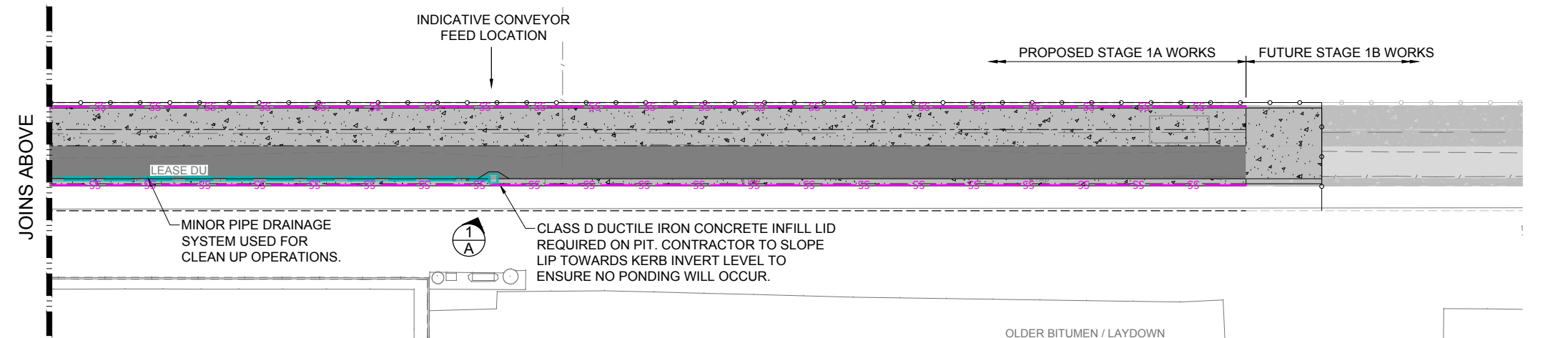
**1%AEP STORMWATER CALCULATIONS**  
 CALCULATIONS ARE BASED ON THE STORAGE PONDS AND DISCHARGE PIPES BEING 100% FULL.

TOTAL CATCHMENT AREA (A) = 0.167Ha  
 FRACTION IMPERVIOUS (fi) = 1.0  
 DISCHARGE COEFFICIENT (C<sub>D</sub>) = 0.88  
 RAINFALL INTENSITY (I) = 299mm/hr (FOR 7mins.)  
 DISCHARGE COEFFICIENT (C<sub>AI</sub>) = 1.0  
 1% AEP FLOW RATE (Q) = 0.139m<sup>3</sup>/s  
 1% AEP FLOW RATE (Q) FOR 7mins. = 58.38m<sup>3</sup>/7mins.

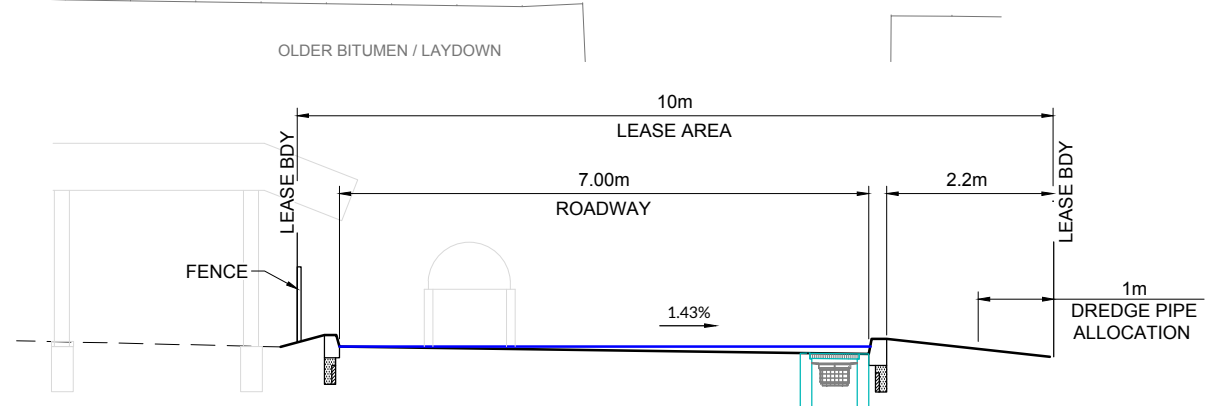
THE 1% AEP 7min. STORM EVENT IS WHOLLY CONTAINED WITHIN THE STORAGE PONDS UNTIL PUMPED TO THE STL SYSTEM.

**NOTES:**

- PROPOSED PITS TO HAVE 200micron OCEAN GUARD INSTALLED. PITS TO BE KEPT OFFLINE BY INSTALLATION OF SOLID GATIC LID. PIT LID TO BE REMOVED BY MAINTENANCE PERSONEL BEFORE EACH CLEAN UP OPERATION IS UNDERTAKEN AT TRANSFER POINT OF CONVEYOR FEED.



**INSET A**  
SCALE 1:50



**GPC Gladstone Ports Corporation**

**APPROVED**

Name: Erin Clark  
Date: 12:20pm 27/04/2022

**A SECTION**  
SCALE 1:50

**SURVEY NOTE:**  
LEASE BOUNDARIES ARE APPROXIMATE ONLY AND ARE TO BE VERIFIED ON SITE BY THE PRINCIPAL SURVEYOR PRIOR TO ANY WORKS COMMENCING.

F	31/08/21	REVISED PAVEMENT TYPE	LT	LT															
E	08/08/21	REVISED POND INLET CONFIGURATION FOR DISCUSSION	LT	LT															
D	04/08/21	REVISED STORMWATER LAYOUT	LT	LT															
C	30/06/21	MINOR AMENDMENTS TO CONCEPT DESIGN	LT	LT															
B	26/05/21	CONCEPT DESIGN FOR REVIEW	LT	LT															
G	06/10/21	FINAL ISSUE	LT	LT															
REV	DATE	REVISION DETAILS	DRN	DES	APP	REFERENCE DRAWINGS	REF NUMBER	CLIENT											

**STL**

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DRAWN	LT	06/10/21
DESIGN	LT	06/10/21
VERIFY	AG	06/10/21
APPROVED		
<b>PRELIMINARY</b>		
NOT FOR CONSTRUCTION		

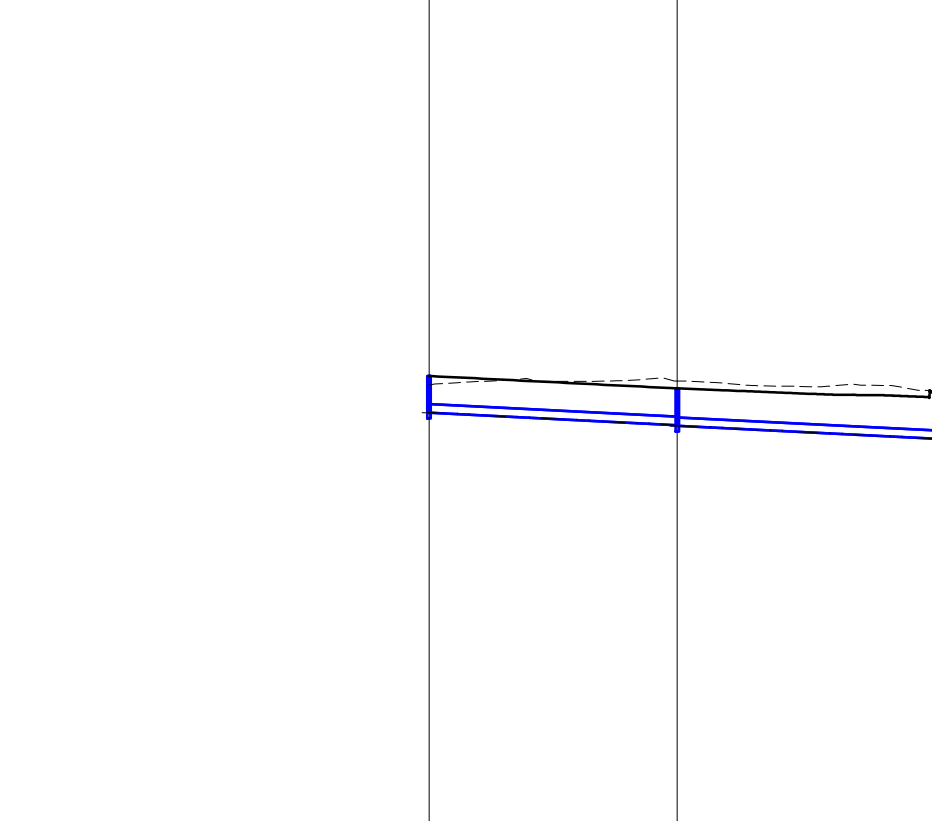
**BST CUI SUGAR TERMINAL UPGRADE**  
**STORMWATER DRAINAGE LAYOUT PLAN**

DRAWING No.  
**255220-C-011**

SCALE 1:250 REV G A1



STRUCTURE NAME	1/A	2/A	3/A
STRUCTURE DESCRIPTION	IPWEAQ TYPE 2 FIELD INLET 600x600 CLASS D DUCTILE IRON CONCRETE INFILL LID WITH OCEANGUARD FILTER	IPWEAQ TYPE 2 FIELD INLET 600x600 CLASS D DUCTILE IRON CONCRETE INFILL LID WITH OCEANGUARD FILTER	PIPE END

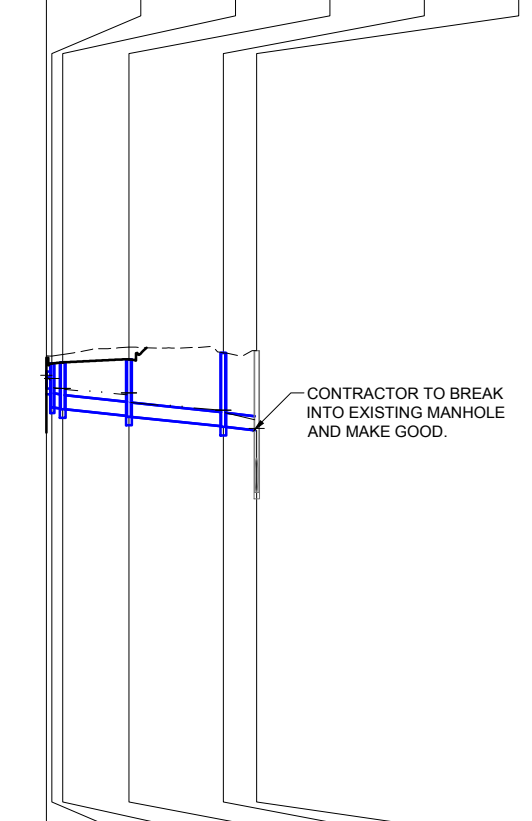


PIPE SIZE (mm)	225	225
PIPE CLASS	BLACKMAX	BLACKMAX
PIPE GRADE (%)	0.50%	0.50%
PIPE SLOPE (1 in X)	200.0	200.0
FULL PIPE VELOCITY (m/s)	0.00	0.00
PART FULL VELOCITY (m/s)	0.00	0.00
PIPE FLOW (cumecs)	0.000	0.000
PIPE CAPACITY AT GRADE (cumecs)	0.032	0.032
DATUM RL	-13.0	

WSE IN STRUCTURE	3.999	3.651	3.311
HGL IN PIPE	3.999	3.671	3.311
DEPTH OF INVERT BELOW FSL	0.972	0.972	0.225
INVERT LEVEL	3.999	3.671	3.311
FINISHED (& EXISTING) SURFACE LEVEL	4.971 (4.738)	4.642 (4.840)	3.536 (4.585)
CHAINAGE	0.000	65.694	133.621

LINE A

1/B	2/B	3/B	4/B	5/B	7/EX 1
PIPE END	IPWEAQ TYPE 2 FIELD INLET 600x600 CLASS D DUCTILE IRON CONCRETE INFILL LID WITH OCEANGUARD FILTER	MANHOLE 1050mm DIA CLASS D LID	MANHOLE 1050mm DIA CLASS D LID	MANHOLE 1050mm DIA CLASS D LID	EXISTING MANHOLE 1000mm DIA

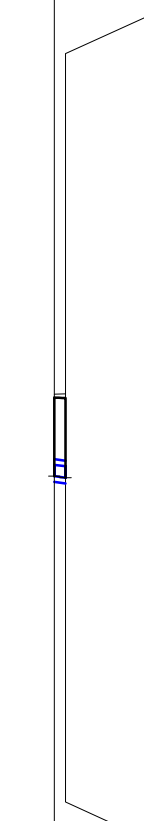


600x300 BC	375 BLACKMAX	375 BLACKMAX	375 BLACKMAX	375 BLACKMAX
0.50%	1.00%	1.00%	1.00%	1.00%
200.0	100.0	100.0	100.0	100.0
0.77	1.26	1.26	1.26	1.26
1.27	1.76	1.76	1.76	1.76
0.139	0.139	0.139	0.139	0.139
0.211	0.175	0.175	0.175	0.175
-14.0				

3.983	3.794	3.569	3.481	3.051	2.583
3.940	3.809	3.587	3.436	3.051	2.787
0.450	0.669	1.165	1.501	1.941	2.108
3.640	3.633	3.137	2.913	2.623	2.535
4.090	4.302	4.501	4.414	4.584	4.643
(4.507)	(4.501)	(4.541)	(4.737)	(4.737)	(4.501)
1.450	2.846	4.296	17.561	24.936	46.794
					8.864
					55.657

LINE B

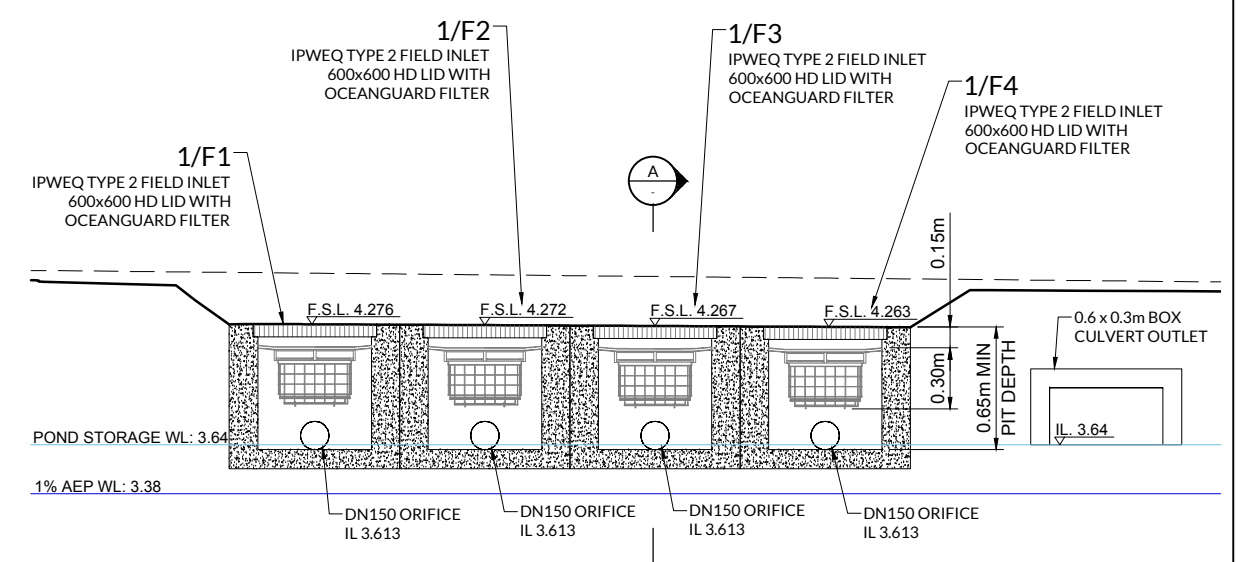
1/C	2/C
PIPE END	PIPE END



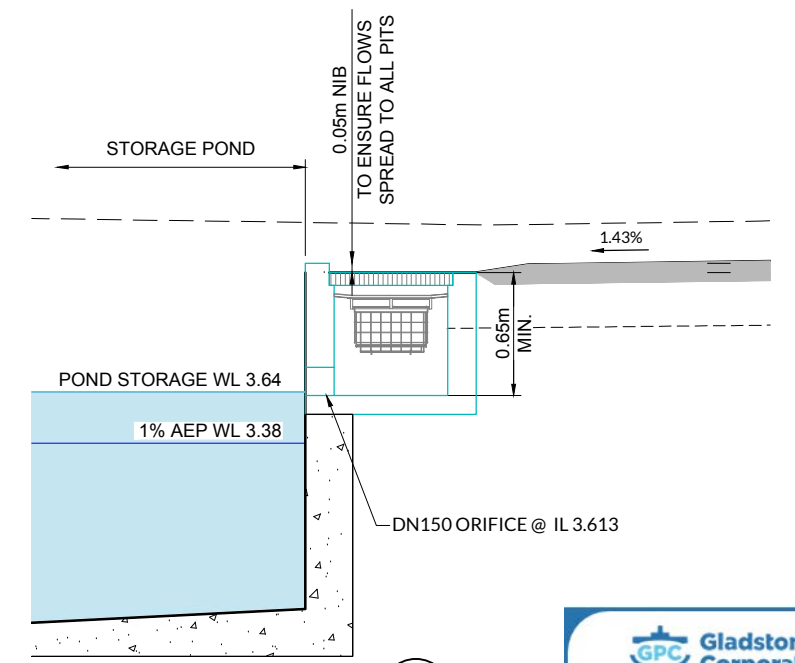
600x300 BC
1.33%
75.0
0.00
0.00
0.000
0.451
-13.0

2.322	2.322	2.282	2.282
2.322	2.322	2.282	2.282
2.080	2.107	2.107	2.282
3.640	3.640	3.640	3.640
4.402	4.486	4.387	4.501
(4.486)	(4.501)	(4.501)	(4.501)
3.000	3.000	3.000	3.000

LINE C



OVERFLOW INLETS INTO STORAGE POND DETAILS  
SCALE 1:20



A SECTION  
SCALE 1:20

**GPC Gladstone Ports Corporation**

**APPROVED**

Name: Erin Clark  
Date: 12:20pm 27/04/2022

DRAWN		LT	06/10/21	BST CUI SUGAR TERMINAL UPGRADE STORMWATER DRAINAGE LONG SECTIONS	DRAWING No. <b>255220-C-012</b>
DESIGN		LT	06/10/21		
VERIFY		AG	06/10/21		
APPROVED					
PRELIMINARY NOT FOR CONSTRUCTION				SCALE 1:1000 1:100	REV B A1

B	06/10/21	FINAL ISSUE	LT	LT
A	31/08/21	CONCEPT DESIGN FOR REVIEW	LT	LT
REV	DATE	REVISION DETAILS	DRN	DES

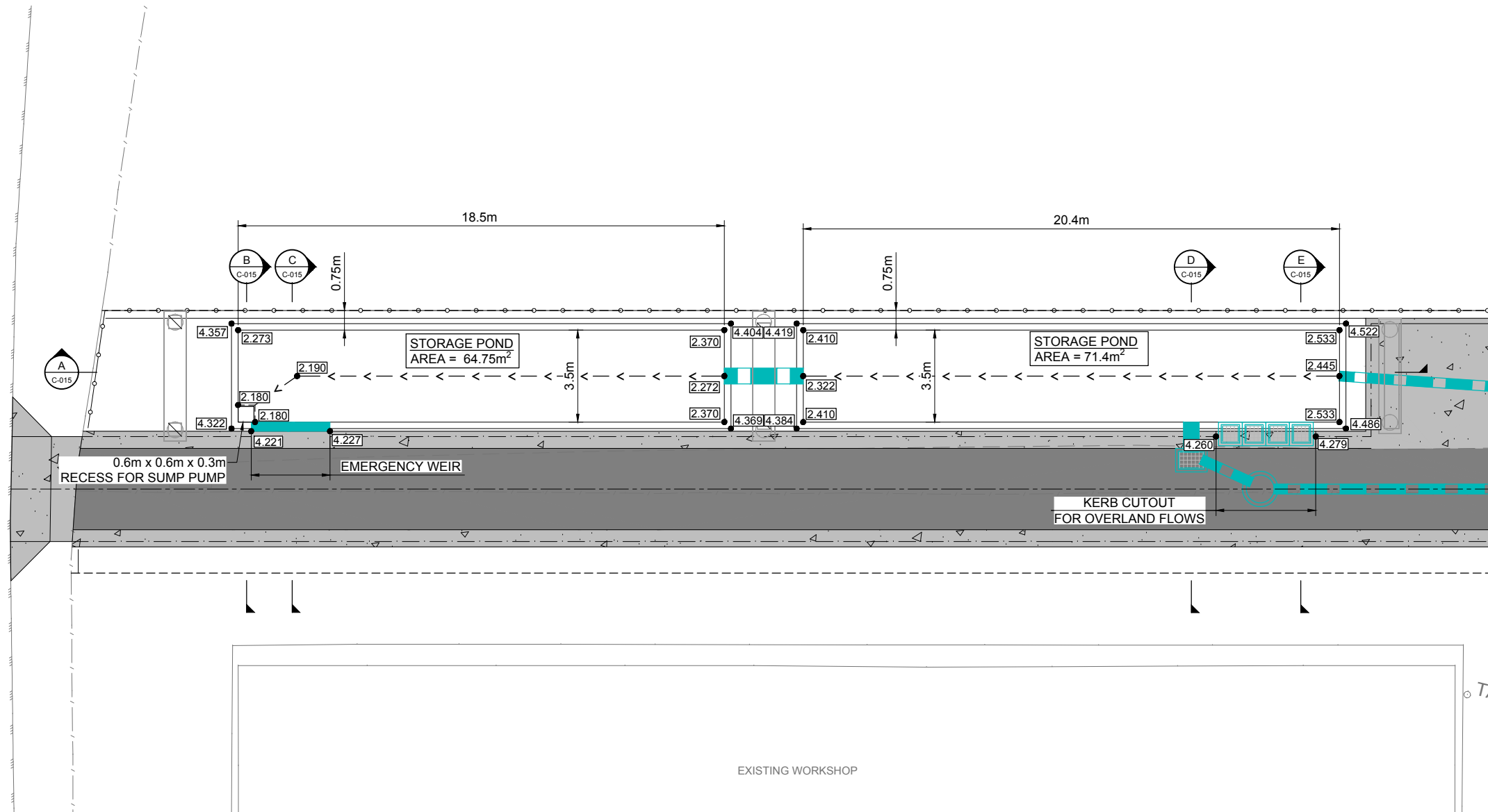
**STL**

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THIRD ANGLE PROJECTION U.N.O.  
DO NOT SCALE FROM DRAWING

CLIENT





**LEGEND - PROPOSED**

- STORMWATER
- STORAGE POND LOW FLOW
- DESIGN SURFACE LEVELS
- CONCRETE PAVEMENT
- AC PAVEMENT

APPROVED

Name: Erin Clark  
Date: 12:20pm 27/04/2022

REV	DATE	REVISION DETAILS	DRN	DES	APP	REFERENCE DRAWINGS	REF NUMBER
D	06/10/21	FINAL ISSUE	LT	LT			
C	31/08/21	REVISED STORMWATER AND PAVEMENT TYPE	LT	LT			
B	30/06/21	AMENDED POND DESIGN	LT	LT			
A	26/05/21	CONCEPT DESIGN FOR REVIEW	LT	LT			



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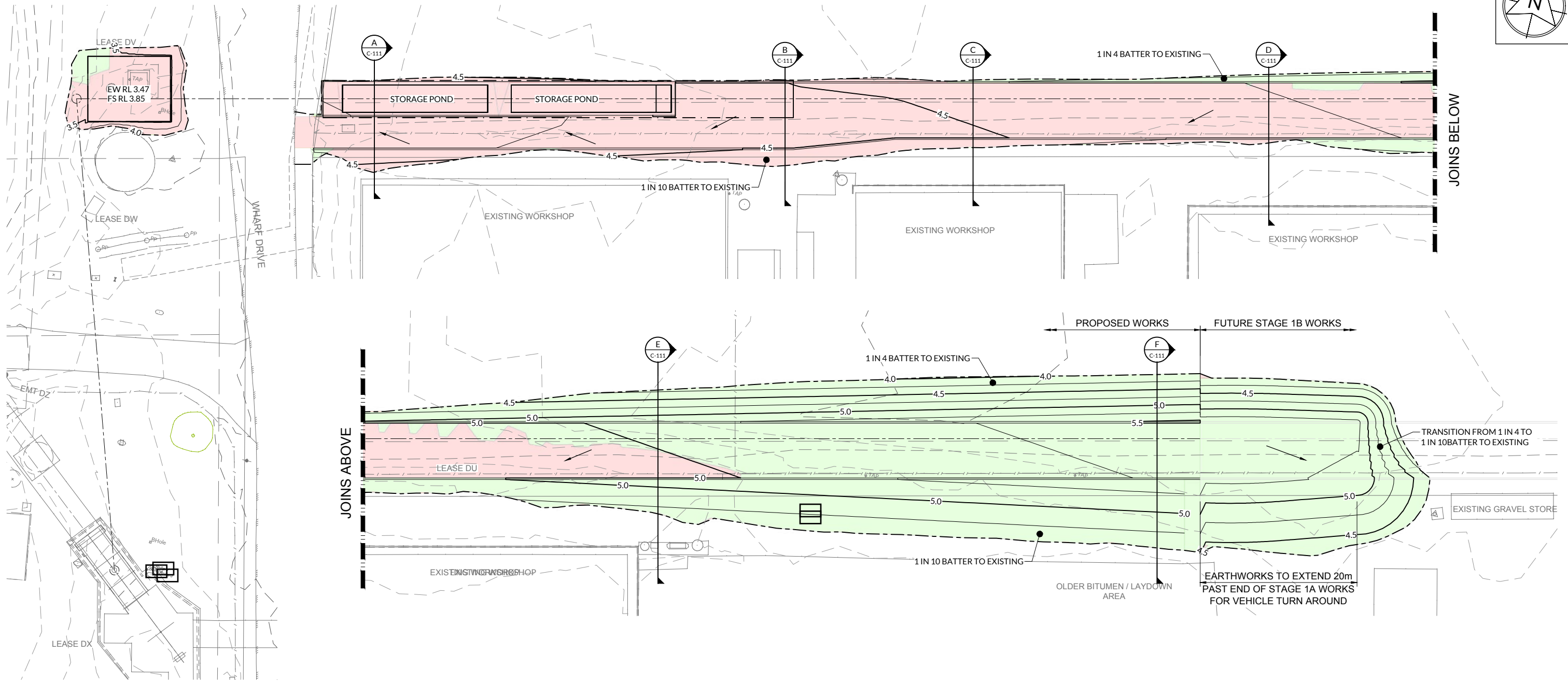
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DRAWN	LT	06/10/21
DESIGN	LT	06/10/21
VERIFY	AG	06/10/21
APPROVED		
PRELIMINARY NOT FOR CONSTRUCTION		

BST CUI SUGAR TERMINAL UPGRADE  
STORMWATER POND LAYOUT PLAN

DRAWING No.		
255220-C-014		
SCALE	REV	A1
1:100	D	A1



**LEGEND - PROPOSED**

- EXTENT OF CUT
- EXTENT OF FILL
- FINISHED MAJOR CONTOURS (0.50m)
- FINISHED MINOR CONTOURS (0.25m)
- STORMWATER FALL ARROW

**LEGEND - EXISTING**

- MAJOR CONTOURS (1.00m)
- MINOR CONTOURS (0.25m)

**EARTHWORKS VOLUMES**

CUT = -853m<sup>3</sup>  
 FILL = 1,274m<sup>3</sup>  
 BALANCE = 421m<sup>3</sup>

("-" EXPORT, "+" IMPORT)

**NOTES**

1. EXCLUDES BULKING AND COMPACTION FACTORS.
2. ALLOWANCE FOR MINIMUM ROAD BOX THICKNESS OF 380mm.

**SURVEY NOTE:**

LEASE BOUNDARIES ARE APPROXIMATE ONLY AND ARE TO BE VERIFIED ON SITE BY THE PRINCIPAL SURVEYOR PRIOR TO ANY WORKS COMMENCING.



REV	DATE	REVISION DETAILS	DRN	DES	APP	REFERENCE DRAWINGS	REF NUMBER	CLIENT
A	30/06/21	CONCEPT DESIGN FOR REVIEW	LT	LT				



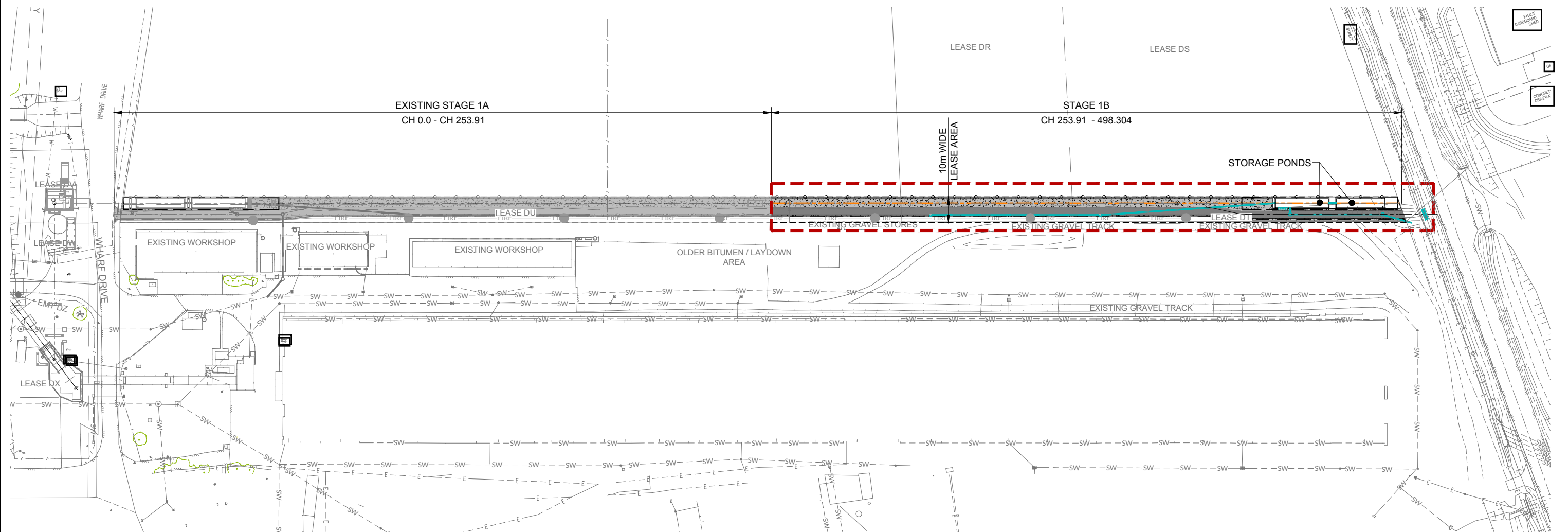
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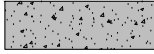


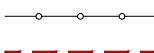


DRAWN	LT	30/06/21
DESIGN	LT	30/06/21
VERIFY	AG	30/06/21
APPROVED		
<b>PRELIMINARY</b> NOT FOR CONSTRUCTION		

**BST CUI SUGAR UPGRADE TERMINAL  
 BULK EARTHWORKS LAYOUT PLAN - STAGE 1A**

DRAWING No.		
<b>255220-C-101</b>		
SCALE	REV	
1:250	A	A1



**LEGEND - PROPOSED**

-  CONCRETE PAVEMENT
-  AC PAVEMENT
-  STORMWATER
-  CONVEYOR CENTERLINE
-  CHAINWIRE FENCE U.N.O.
-  STAGE 1B WORKS BOUNDARY

**LEGEND - EXISTING**

-  EDGE OF BITUMEN
-  WATER FIRE SERVICE (SHOWN FOR CLARITY ONLY)  
REFER DWG. 255200-P-014 AND 015 FOR DETAILS.
-  STORMWATER
-  OVERHEAD ELECTRICAL

  
**APPROVED**  
 Name: Erin Clark  
 Date: 12:20pm 27/04/2022

**SURVEY NOTE:**  
LEASE BOUNDARIES ARE APPROXIMATE ONLY AND ARE TO BE VERIFIED ON SITE PRIOR TO ANY WORKS COMMENCING.

REV	DATE	REVISION DETAILS	DRN	DES	APP	REFERENCE DRAWINGS	REF NUMBER
C	06/10/21	CONCEPT DESIGN ONLY- REVISED OUTLET & WORK EXTENTS	LT	LT			
B	31/08/21	CONCEPT DESIGN ONLY - MINOR AMENDMENTS	LT	LT			
A	30/06/21	CONCEPT DESIGN FOR REVIEW	LT	LT			

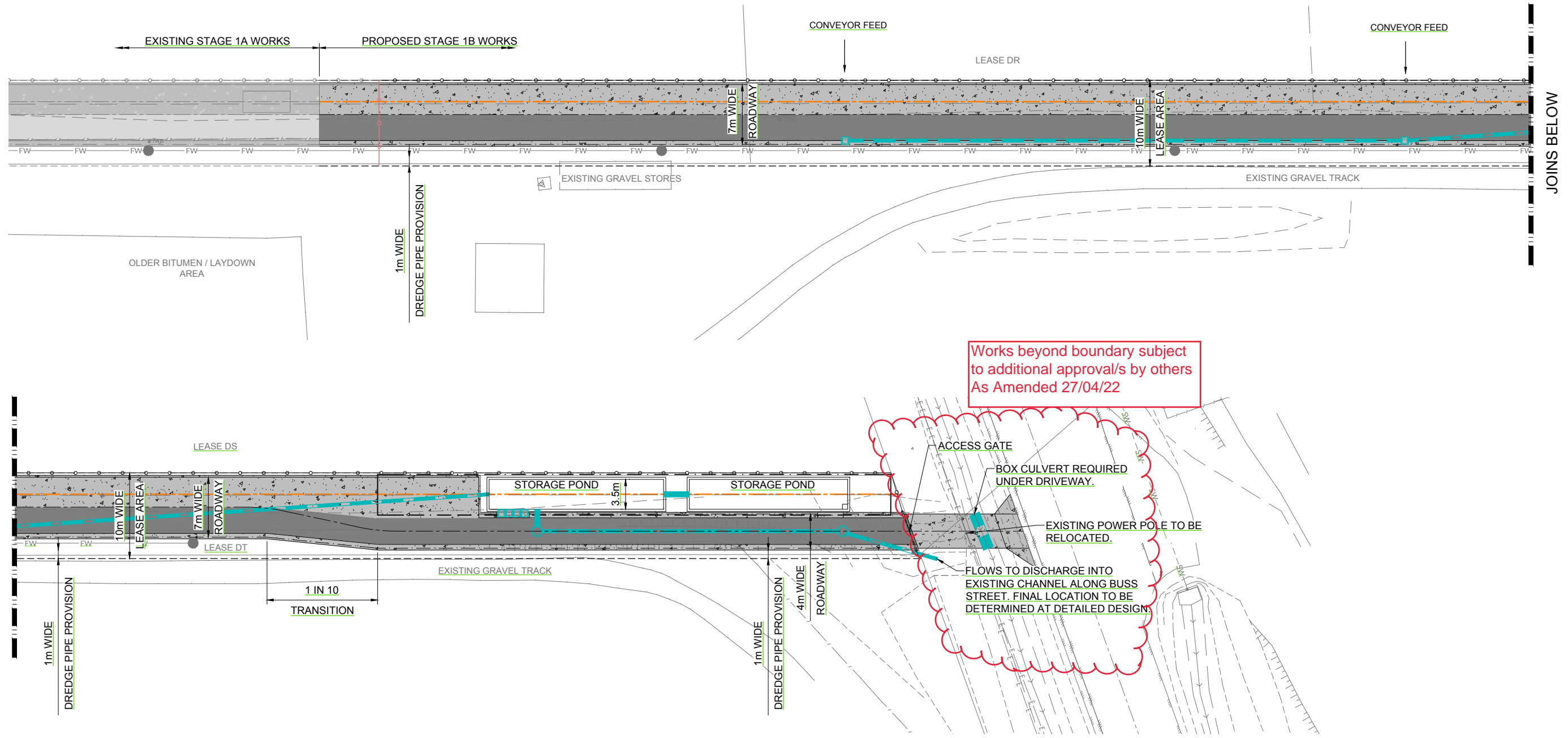


  
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DRAWN	LT	06/10/21
DESIGN	LT	06/10/21
VERIFY	AG	06/10/21
APPROVED		
<b>PRELIMINARY</b>		
NOT FOR CONSTRUCTION		

**BST CUI SUGAR TERMINAL UPGRADE**  
**OVERALL SITE LAYOUT PLAN**

DRAWING No.		
<b>255220-C-102</b>		
SCALE	REV	A1
1:750	C	A1



**LEGEND - PROPOSED**

- CONCRETE PAVEMENT
- AC PAVEMENT
- STORMWATER
- CONVEYOR CENTERLINE
- CHAINWIRE FENCE U.N.O.

**LEGEND - EXISTING**

- CONCRETE PAVEMENT
- AC PAVEMENT
- EDGE OF BITUMEN
- STORMWATER
- OVERHEAD ELECTRICAL
- CHANNEL
- CONVEYOR CENTERLINE
- CHAINWIRE FENCE U.N.O.
- CHAINWIRE FENCE U.N.O. TO BE REMOVED
- WATER FIRE SERVICE (SHOWN FOR CLARITY ONLY) REFER DWG. 255200-P-014 AND 015 FOR DETAILS.

**GPC Gladstone Ports Corporation**

APPROVED

Name: Erin Clark  
Date: 12:20pm 27/04/2022

**SURVEY NOTE:**  
LEASE BOUNDARIES ARE APPROXIMATE ONLY AND ARE TO BE VERIFIED ON SITE PRIOR TO ANY WORKS COMMENCING.

REV	DATE	REVISION DETAILS	DRN	DES	APP	REFERENCE DRAWINGS	REF NUMBER
C	06/10/21	CONCEPT DESIGN ONLY - REVISED OUTLET & WORK EXTENTS	LT	LT			
B	31/08/21	CONCEPT DESIGN ONLY - MINOR AMENDMENTS	LT	LT			
A	30/06/21	CONCEPT DESIGN FOR REVIEW	LT	LT			

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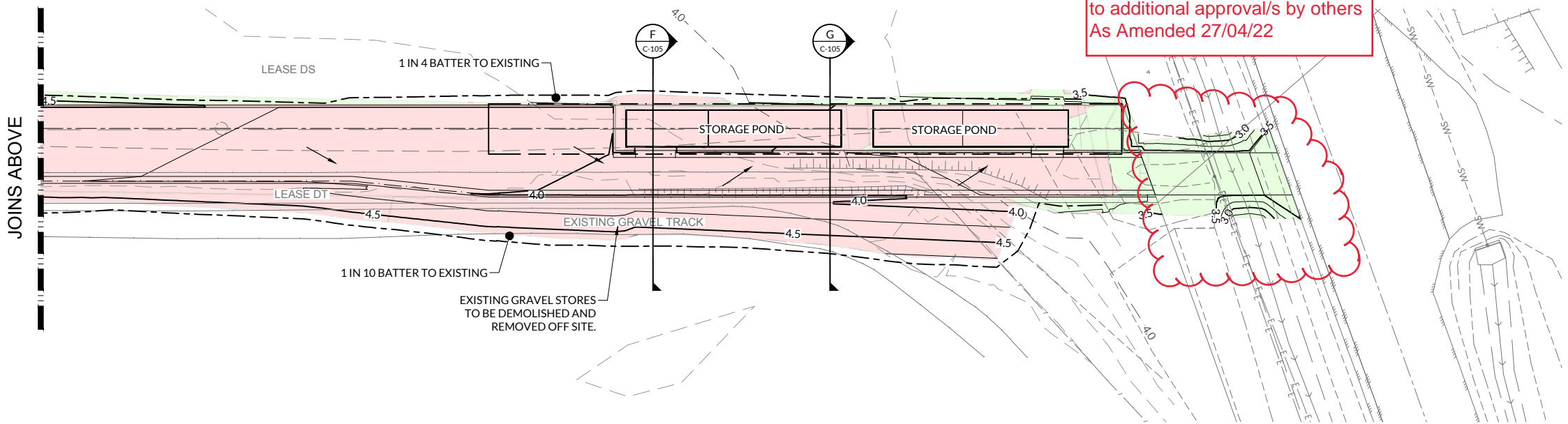
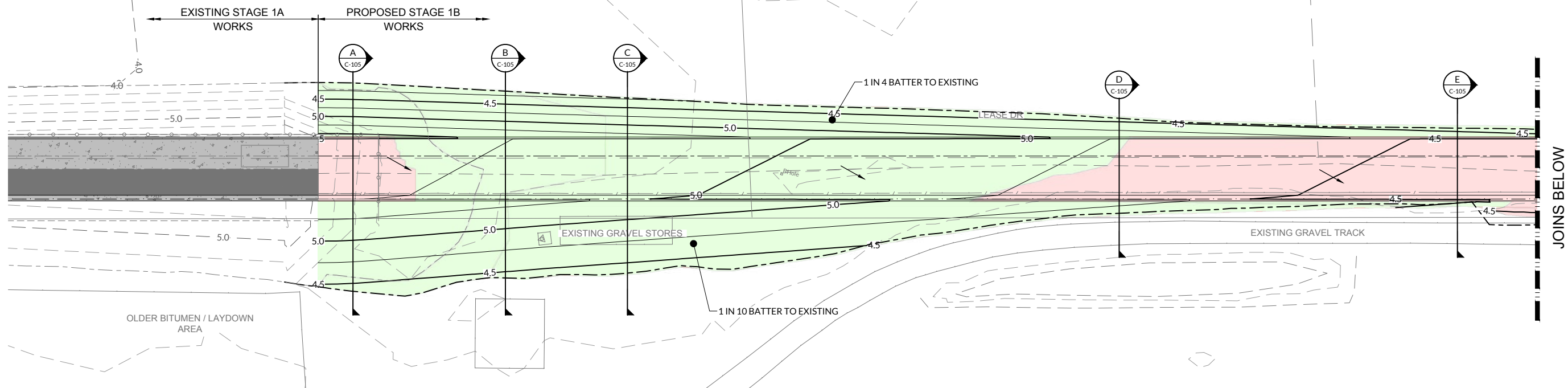
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DRAWN	LT	06/10/21
DESIGN	LT	06/10/21
VERIFY	AG	06/10/21
APPROVED		
PRELIMINARY		
NOT FOR CONSTRUCTION		

BST CUI SUGAR TERMINAL UPGRADE  
SITE LAYOUT PLAN

DRAWING No.  
**255200-C-103**

SCALE	REV	A1
1:250	C	A1



**LEGEND - PROPOSED**

- EXTENT OF CUT
- EXTENT OF FILL
- FINISHED MAJOR CONTOURS (0.50m)
- FINISHED MINOR CONTOURS (0.25m)
- STORMWATER FALL ARROW

**LEGEND - EXISTING**

- MAJOR CONTOURS (1.00m)
- MINOR CONTOURS (0.25m)
- EDGE OF BITUMEN
- STORMWATER
- OVERHEAD ELECTRICAL
- CHANNEL

**EARTHWORKS VOLUMES**

CUT = -864.8m<sup>3</sup>  
 FILL = 720.4m<sup>3</sup>  
 BALANCE = -144.4m<sup>3</sup>

"-" EXPORT, "+" IMPORT)

**NOTES**

1. EXCLUDES BULKING AND COMPACTION FACTORS.
2. ALLOWANCE FOR MINIMUM ROAD BOX THICKNESS OF 380mm.

**SURVEY NOTE:**

LEASE BOUNDARIES ARE APPROXIMATE ONLY AND ARE TO BE VERIFIED ON SITE PRIOR TO ANY WORKS COMMENCING.



REV	DATE	REVISION DETAILS	DRN	DES	APP	REFERENCE DRAWINGS	REF NUMBER
C	06/10/21	CONCEPT DESIGN ONLY - REVISED OUTLET & WORK EXTENTS	LT	LT			
B	31/08/21	CONCEPT DESIGN ONLY - REVISED EARTHWORKS	LT	LT			
A	30/06/21	CONCEPT DESIGN FOR REVIEW	LT	LT			



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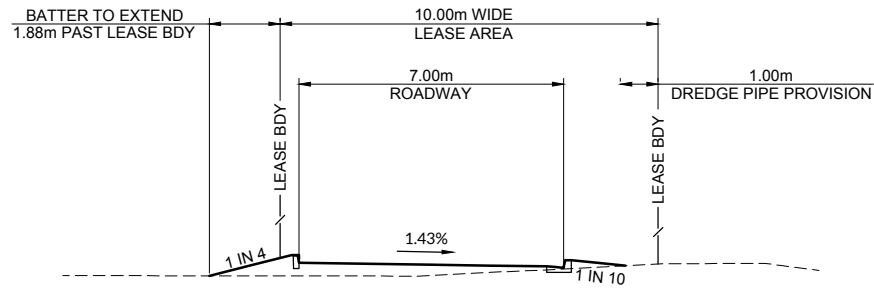
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DRAWN	LT	06/10/21
DESIGN	LT	06/10/21
VERIFY	AG	06/10/21
APPROVED		
<b>PRELIMINARY</b> NOT FOR CONSTRUCTION		

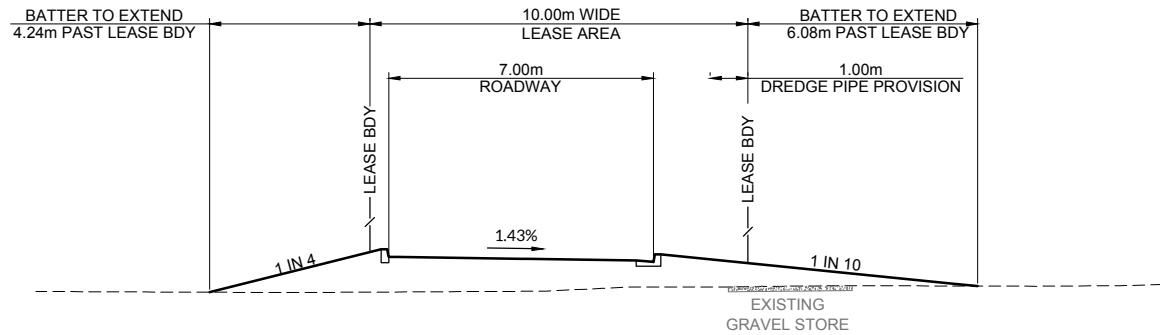
**BST CUI SUGAR TERMINAL UPGRADE  
BULK EARTHWORKS LAYOUT PLAN**

DRAWING No.  
**255220-C-104**

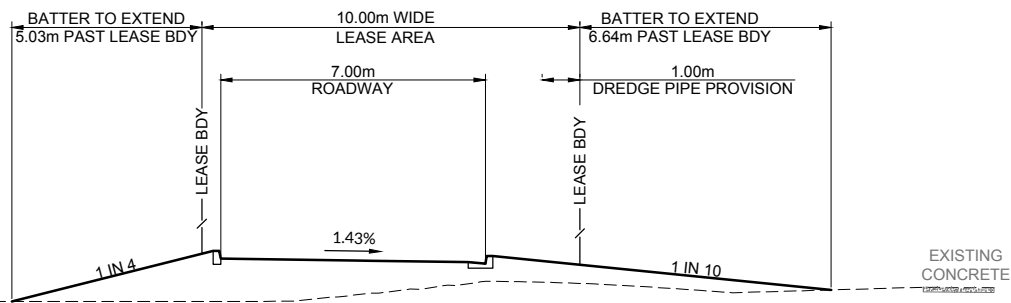
SCALE 1:250	REV C	A1
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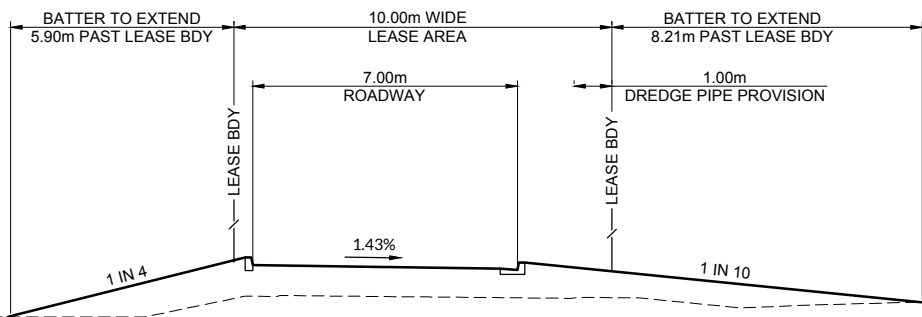
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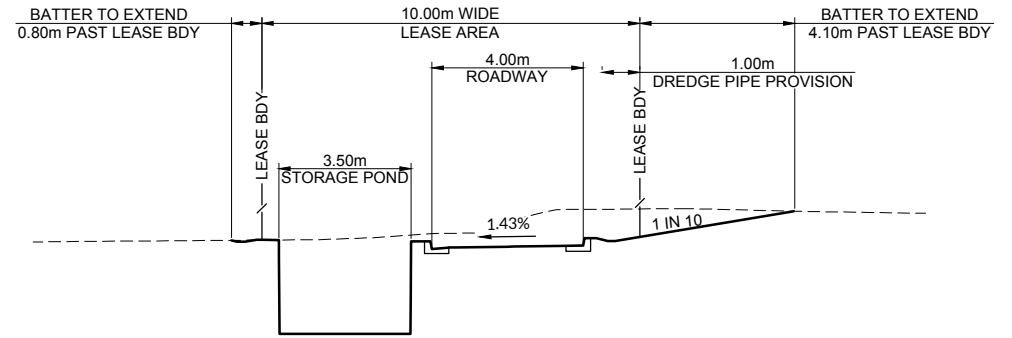
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SCALE 1:100 C-104 DATUM R.L. 2.00



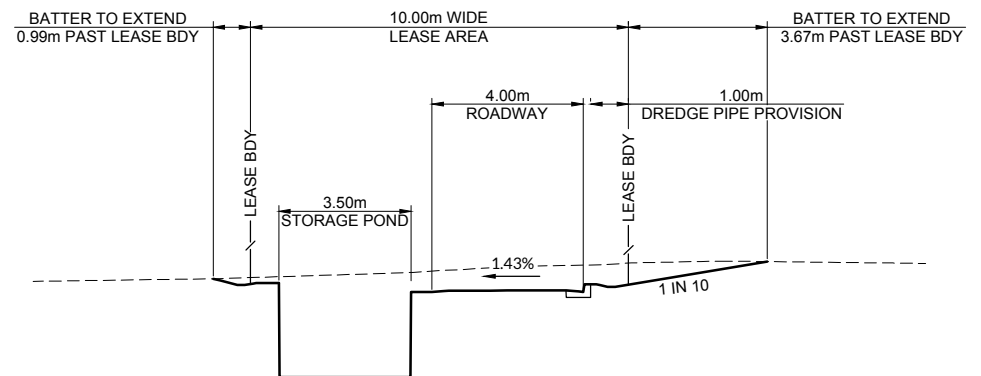
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SCALE 1:100 C-104 DATUM R.L. 2.00



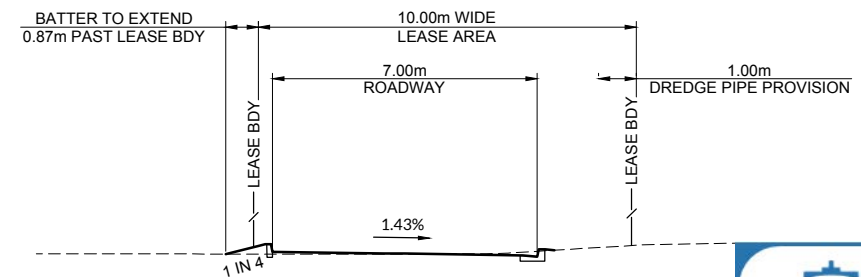
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SECTION **G**  
SCALE 1:100 C-104 DATUM R.L. 0.00



SECTION **F**  
SCALE 1:100 C-104 DATUM R.L. 0.00



SECTION **E**  
SCALE 1:100 C-104 DATUM R.L. 0.00

**GPC Gladstone Ports Corporation**

**APPROVED**

Name: Erin Clark  
Date: 12:20pm 27/04/2022

REV	DATE	REVISION DETAILS	DRN	DES	APP	REFERENCE DRAWINGS	REF NUMBER
C	06/10/21	CONCEPT DESIGN ONLY - MINOR TEXT CHANGES	LT	LT			
B	31/08/21	CONCEPT DESIGN ONLY - REVISED SECTIONS	LT	LT			
A	30/06/21	CONCEPT DESIGN FOR REVIEW	LT	LT			



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DRAWN	LT	06/10/21
DESIGN	LT	06/10/21
VERIFY	AG	06/10/21
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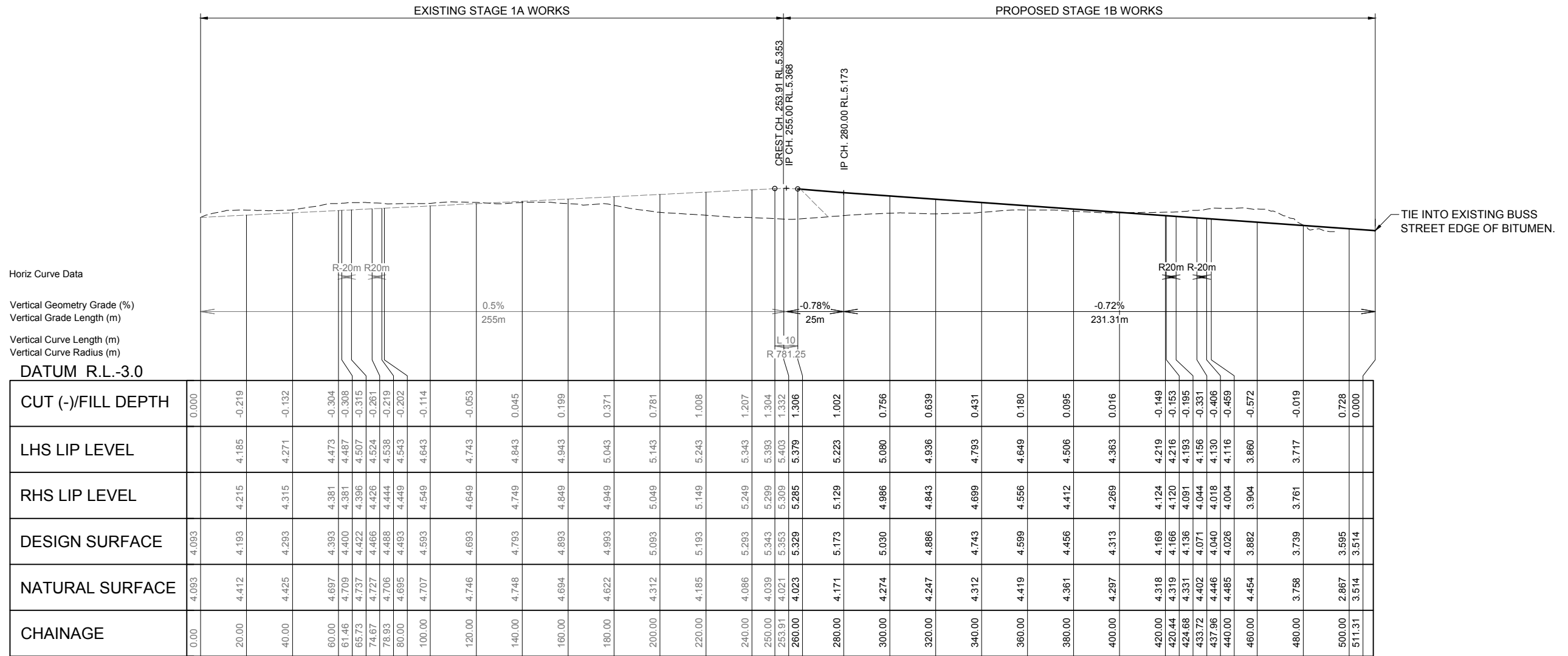
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NOT FOR CONSTRUCTION

**BST CUI SUGAR TERMINAL UPGRADE  
BULK EARTHWORKS SECTIONS**

DRAWING No.		
<b>255220-C-105</b>		
SCALE	REV	A1
1:100	C	A1







Horiz Curve Data  
 Vertical Geometry Grade (%)  
 Vertical Grade Length (m)  
 Vertical Curve Length (m)  
 Vertical Curve Radius (m)  
 DATUM R.L.-3.0

CUT (-)/FILL DEPTH	0.000	-0.219	-0.132	-0.304	-0.308	-0.261	-0.219	-0.202	-0.114	-0.053	0.045	0.199	0.371	0.781	1.008	1.207	1.304	1.332	1.306	1.002	0.756	0.639	0.431	0.180	0.095	0.016	-0.149	-0.153	-0.195	-0.331	-0.406	-0.459	-0.572	-0.019	0.728	0.000	
LHS LIP LEVEL		4.185	4.271	4.473	4.487	4.507	4.524	4.538	4.543	4.643	4.743	4.843	4.943	5.043	5.143	5.243	5.343	5.393	5.403	5.379	5.223	5.080	4.936	4.793	4.649	4.506	4.363	4.219	4.166	4.091	4.156	4.130	4.116	3.860	3.717		
RHS LIP LEVEL		4.215	4.315	4.381	4.381	4.396	4.426	4.444	4.449	4.549	4.649	4.749	4.849	4.949	5.049	5.149	5.249	5.299	5.309	5.285	5.129	4.986	4.843	4.699	4.556	4.412	4.269	4.124	4.120	4.044	4.018	4.004	3.904	3.761			
DESIGN SURFACE	4.093	4.193	4.293	4.393	4.400	4.422	4.466	4.488	4.493	4.593	4.693	4.793	4.893	4.993	5.093	5.193	5.293	5.343	5.353	5.329	5.173	5.030	4.886	4.743	4.599	4.456	4.313	4.169	4.166	4.136	4.071	4.040	4.026	3.882	3.739	3.595	3.514
NATURAL SURFACE	4.093	4.412	4.425	4.697	4.709	4.737	4.767	4.706	4.695	4.707	4.746	4.748	4.694	4.622	4.312	4.185	4.086	4.039	4.021	4.023	4.171	4.274	4.247	4.312	4.419	4.361	4.297	4.318	4.319	4.331	4.402	4.446	4.485	4.454	3.758	2.867	3.514
CHAINAGE	0.00	20.00	40.00	60.00	61.46	65.73	74.67	78.93	80.00	100.00	120.00	140.00	160.00	180.00	200.00	220.00	240.00	250.00	253.91	260.00	280.00	300.00	320.00	340.00	360.00	380.00	400.00	420.00	420.44	424.68	433.72	437.96	440.00	460.00	480.00	500.00	511.31

DRIVEWAY LONGITUDINAL SECTION  
 SCALE: HORIZONTAL 1:1000  
 VERTICAL 1:100

**GPC Gladstone Ports Corporation**

**APPROVED**

Name: Erin Clark  
 Date: 12:20pm 27/04/2022

REV	DATE	REVISION DETAILS	DRN	DES	APP	REFERENCE DRAWINGS	REF NUMBER
C	06/10/21	CONCEPT DESIGN ONLY - REVISED START CHAINAGE	LT	LT			
B	31/08/21	CONCPET DESIGN ONLY - REVISED LIP LEVELS	LT	LT			
A	30/06/21	CONCEPT DESIGN FOR REVIEW	LT	LT			



**LINEAR ENGINEERING**

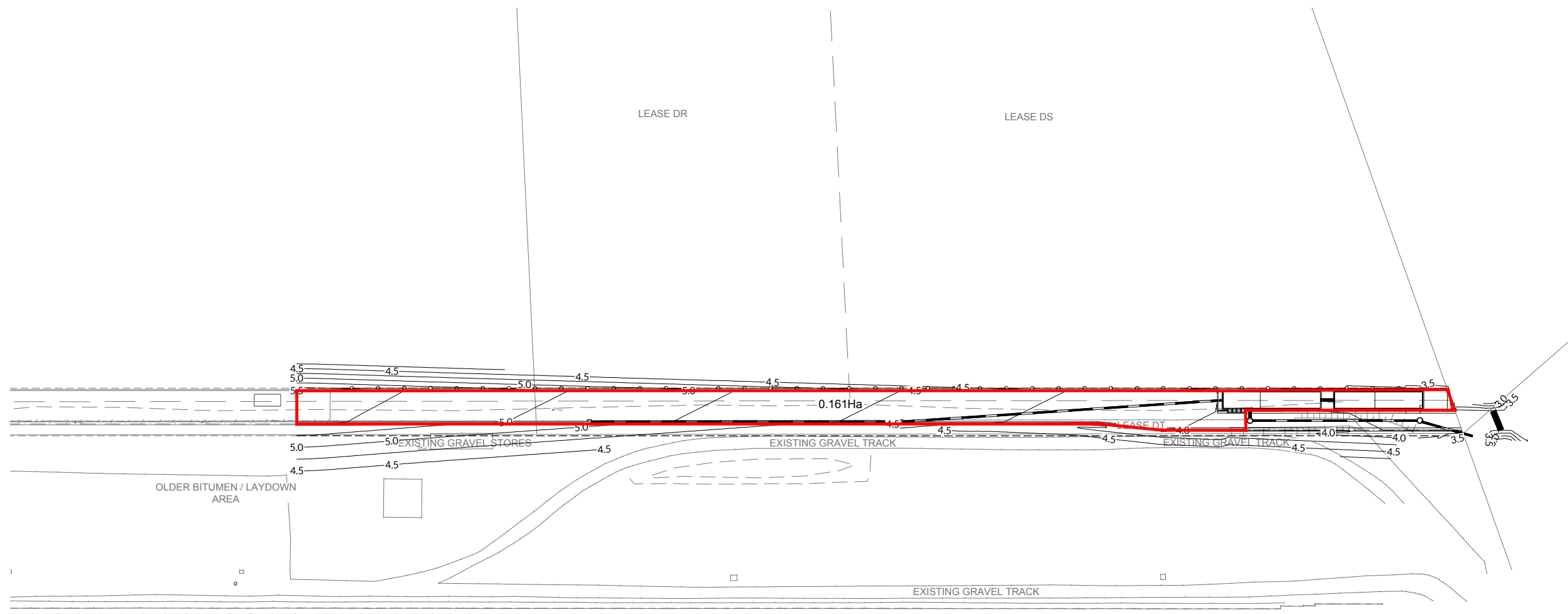
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 DO NOT SCALE FROM DRAWING

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DESIGN	LT	06/10/21
VERIFY	AG	06/10/21
APPROVED		
<b>PRELIMINARY</b>		
NOT FOR CONSTRUCTION		

BST CUI SUGAR TERMINAL UPGRADE  
 CONVEYOR HARDSTAND AND PAVEMENT  
 LONGITUDINAL SECTION

DRAWING No.	
<b>255220-C-108</b>	
SCALE	REV
1:1000 1:100	C A1



**CATCHMENT CALCULATIONS**

TOTAL CATCHMENT AREA (A) = 0.161Ha  
 FRACTION IMPERVIOUS (fi) = 1.0  
 DISCHARGE COEFFICIENT (C<sub>10</sub>) = 0.88  
 RAINFALL INTENSITY (I) = 299mm/hr (FOR 7mins.)  
 DISCHARGE COEFFICIENT (C<sub>ARI</sub>) = 1.0  
 1% AEP FLOW RATE (Q) = 0.147m<sup>3</sup>/s  
 ROADWAY FLOW VELOCITY (V) = 0.06m/s

**ROAD FLOW CAPACITY**

IZZARD'S EQUATION  
 $Q = 0.375 \times F \times (Z/n) \times S^{0.5} \times d^{2.667}$

FLOW CORRECTION FACTOR (F) = 0.90  
 CROSS SLOPE GRADIENT (Z) = 1.43%  
 MANNING'S ROUGHNESS (n) = 0.013  
 LONGITUDINAL SLOPE OF KERB (S) = 0.50%  
 MAXIMUM DEPTH OF FLOW (d) = 0.20m  
 LONGITUDINAL FLOW DOWN KERB (Q) = 0.36m<sup>3</sup>/s

**LEGEND - PROPOSED**

- STORMWATER CATCHMENT BOUNDARY
- 0.2311ha STORMWATER CATCHMENT NUMBER AND AREA
- STORMWATER
- 12.0 FINISHED MAJOR CONTOURS (0.50m)
- FINISHED MINOR CONTOURS (0.25m)

**LEGEND - EXISTING**

- 12.0 MAJOR CONTOURS (1.00m)
- MINOR CONTOURS (0.50m)



REV	DATE	REVISION DETAILS	DRN	DES	APP	REFERENCE DRAWINGS	REF NUMBER
C	06/10/21	CONCEPT DESIGN ONLY - REVISED OUTLET & WORK EXTENTS	LT	LT			
B	08/08/21	REVISED CATCHMENT FOR DISCUSSION	LT	LT			
A	30/06/21	CONCEPT DESIGN FOR REVIEW	LT	LT			



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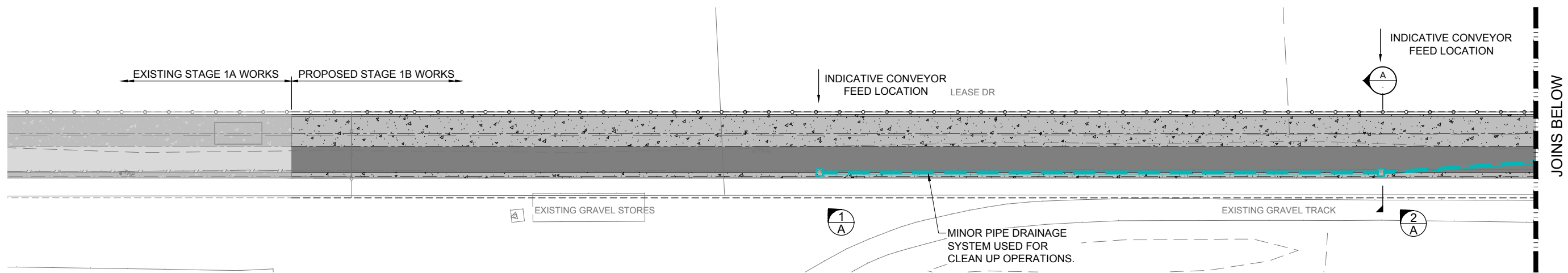
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DESIGN	LT	06/10/21
VERIFY	AG	06/10/21
APPROVED		

**PRELIMINARY**  
NOT FOR CONSTRUCTION

**BST CUI SUGAR TERMINAL UPGRADE**  
**STORMWATER CATCHMENT PLAN**

DRAWING No.		
<b>255220-C-110</b>		
SCALE	REV	A1
1:500	C	A1



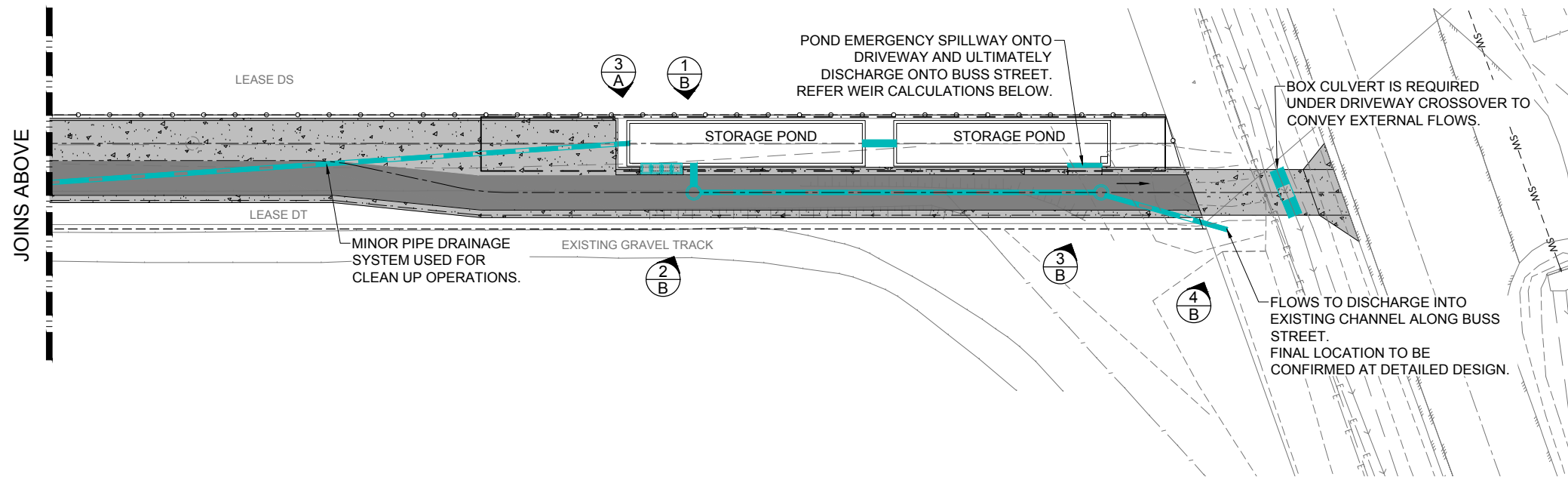
JOINS BELOW

**LEGEND - PROPOSED**

- STORMWATER
- STORMWATER STRUCTURE No.
- STORMWATER FALL ARROW

**LEGEND - EXISTING**

- STORMWATER
- CHANNEL



JOINS ABOVE

**STORAGE POND VOLUME**

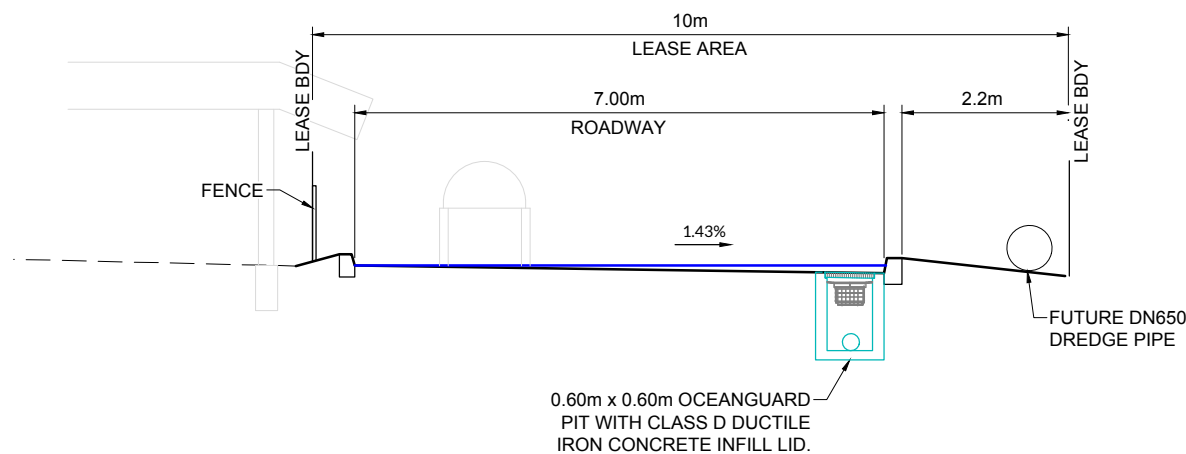
(100mm CATCHMENT RUNOFF)  
 CATCHMENT AREA = 1,609.9m<sup>2</sup>  
 VOLUME (+ EXTRA 5% OF AREA) = 169.0m<sup>3</sup>

**1%AEP STORMWATER CALCULATIONS**

CALCULATIONS ARE BASED ON THE STORAGE PONDS AND DISCHARGE PIPES BEING 100% FULL.

TOTAL CATCHMENT AREA (A) = 0.161Ha  
 FRACTION IMPERVIOUS (fi) = 1.0  
 DISCHARGE COEFFICIENT (C<sub>D</sub>) = 0.88  
 RAINFALL INTENSITY (I) = 299mm/hr (FOR 7mins.)  
 DISCHARGE COEFFICIENT (C<sub>AR</sub>) = 1.0  
 1% AEP FLOW RATE (Q) = 0.083m<sup>3</sup>/s  
 1% AEP FLOW RATE (Q) FOR 7mins. = 34.86m<sup>3</sup>/7mins.

THE 1% AEP 7min. STORM EVENT IS WHOLLY CONTAINED WITHIN THE STORAGE PONDS UNTIL PUMPED TO THE EXISTING CHANNEL ALONG BUSS STREET.



**A SECTION**  
SCALE 1:50

**NOTES:**

1. PROPOSED PITS TO HAVE 200micron OCEAN GUARD INSTALLED. PITS TO BE KEPT OFFLINE BY INSTALLATION OF SOLID GATIC LID. PIT LID TO BE REMOVED BY MAINTENANCE PERSONEL BEFORE EACH CLEAN UP OPERATION IS UNDERTAKEN AT TRANSFER POINT OF CONVEYOR FEED.

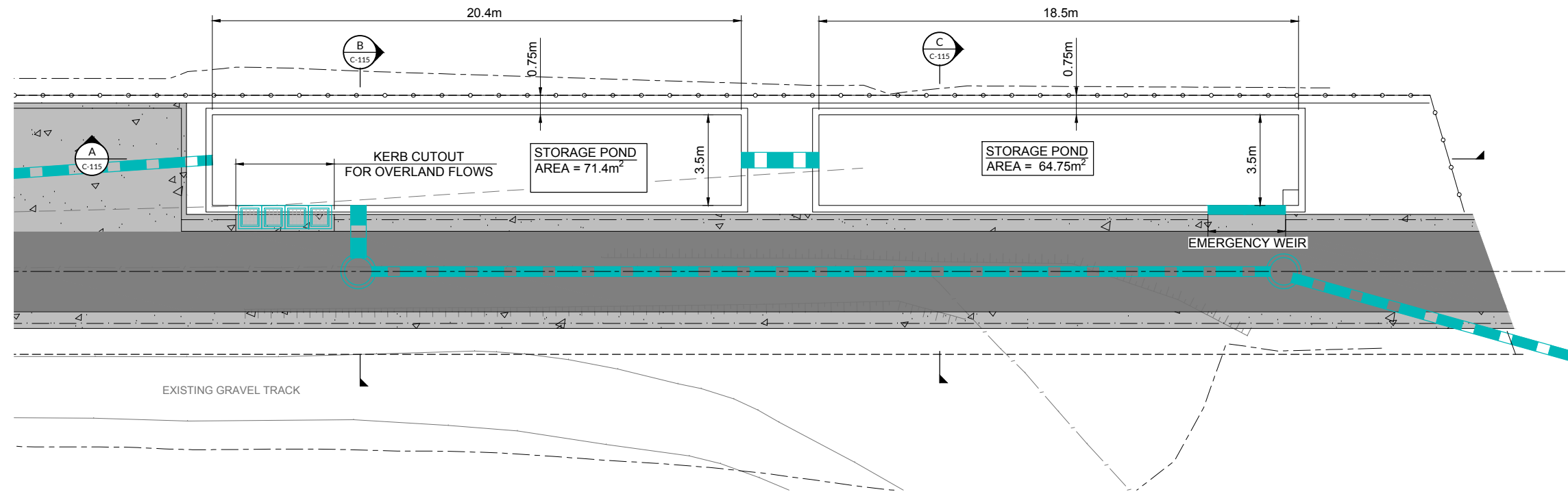
**GPC Gladstone Ports Corporation**

**APPROVED**

Name: Erin Clark  
 Date: 12:20pm 27/04/2022

**SURVEY NOTE:**  
 LEASE BOUNDARIES ARE APPROXIMATE ONLY AND ARE TO BE VERIFIED ON SITE PRIOR TO ANY WORKS COMMENCING.

C		06/10/21	CONCEPT DESIGN ONLY - REVISED OUTLET & WORK EXTENTS	LT	LT						 Brisbane Office: Level 13/145 Eagle Street, Brisbane QLD 4000 www.lineareng.com.au - Tel: 0410 177 338	DRAWN LT 06/10/21 DESIGN LT 06/10/21 VERIFY AG 06/10/21 APPROVED	<b>PRELIMINARY</b> NOT FOR CONSTRUCTION	BST CUI SUGAR TERMINAL UPGRADE STORMWATER DRAINAGE LAYOUT PLAN		DRAWING No. <b>255220-C-111</b>	
B		31/08/21	CONCEPT DESIGN ONLY - REVISED STORMWATER LAYOUT	LT	LT							SCALE 1:250 REV C A1					
A		30/06/21	CONCEPT DESIGN FOR REVIEW	LT	LT												
REV	DATE		REVISION DETAILS	DRN	DES	APP		REFERENCE DRAWINGS	REF NUMBER			CLIENT					



**LEGEND - PROPOSED**

- STORMWATER
- CONCRETE PAVEMENT
- AC PAVEMENT

APPROVED

Name: Erin Clark  
Date: 12:20pm 27/04/2022

REV	DATE	REVISION DETAILS	DRN	DES	APP	REFERENCE DRAWINGS	REF NUMBER
C	06/10/21	CONCEPT DESIGN ONLY - REVISED OUTLET & WORK EXTENTS	LT	LT			
B	31/08/21	CONCEPT DESIGN ONLY - MINOR AMENDMENTS	LT	LT			
A	30/06/21	CONCEPT DESIGN FOR REVIEW	LT	LT			



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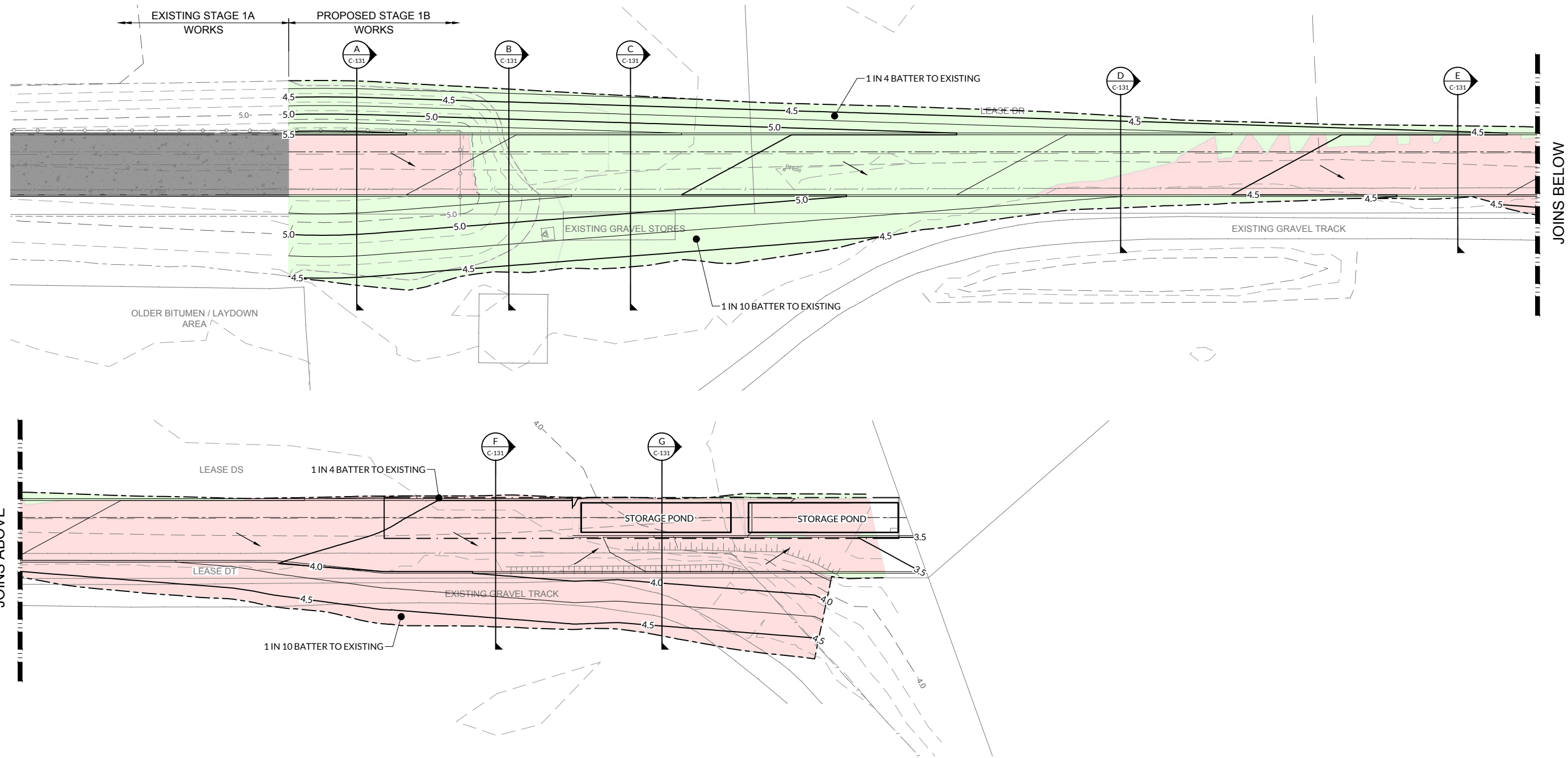
DRAWN	LT	06/10/21
DESIGN	LT	06/10/21
VERIFY	AG	06/10/21
APPROVED		
PRELIMINARY NOT FOR CONSTRUCTION		

BST CUI SUGAR TERMINAL UPGRADE  
STORMWATER POND LAYOUT PLAN

DRAWING No.

255220-C-114

SCALE 1:100	REV C	A1
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**LEGEND - PROPOSED**

- EXTENT OF CUT
- EXTENT OF FILL
- FINISHED MAJOR CONTOURS (0.50m)
- FINISHED MINOR CONTOURS (0.25m)
- STORMWATER FALL ARROW

**LEGEND - EXISTING**

- MAJOR CONTOURS (1.00m)
- MINOR CONTOURS (0.25m)

**EARTHWORKS VOLUMES**

CUT = -981m<sup>3</sup>  
 FILL = 541m<sup>3</sup>  
 BALANCE = -440m<sup>3</sup>

("-" EXPORT, "+" IMPORT)

**NOTES**

- EXCLUDES BULKING AND COMPACTION FACTORS.
- ALLOWANCE FOR MINIMUM ROAD BOX THICKNESS OF 380mm.

**SURVEY NOTE:**  
 LEASE BOUNDARIES ARE APPROXIMATE ONLY AND ARE TO BE VERIFIED ON SITE BY THE PRINCIPAL SURVEYOR PRIOR TO ANY WORKS COMMENCING.

  
**APPROVED**  
 Name: Erin Clark  
 Date: 12:20pm 27/04/2022

REV	DATE	REVISION DETAILS	DRN	DES	APP	REFERENCE DRAWINGS	REF NUMBER
A	30/06/21	CONCEPT DESIGN FOR REVIEW	LT	LT			

  
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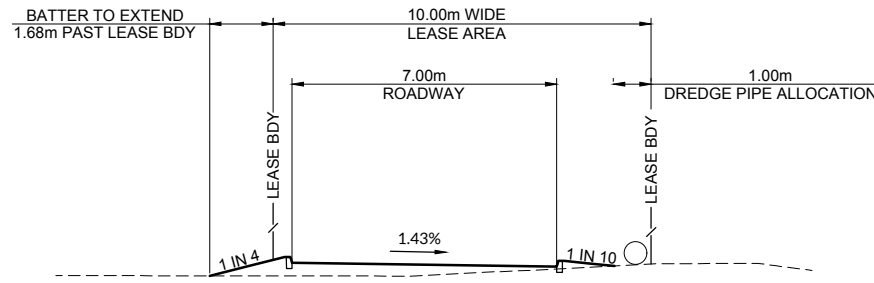
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DESIGN	LT	30/06/21
VERIFY	AG	30/06/21
APPROVED		

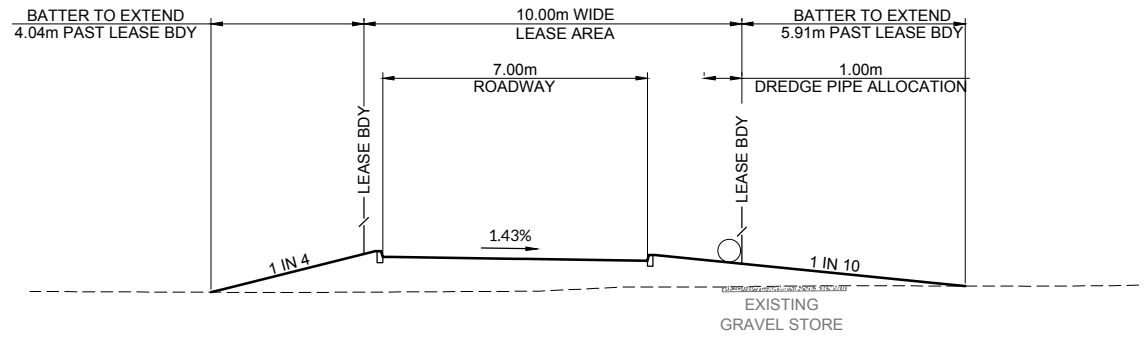
**PRELIMINARY**  
NOT FOR CONSTRUCTION

**BST CUI SUGAR UPGRADE TERMINAL  
 BULK EARTHWORKS LAYOUT PLAN - STAGE 1B**

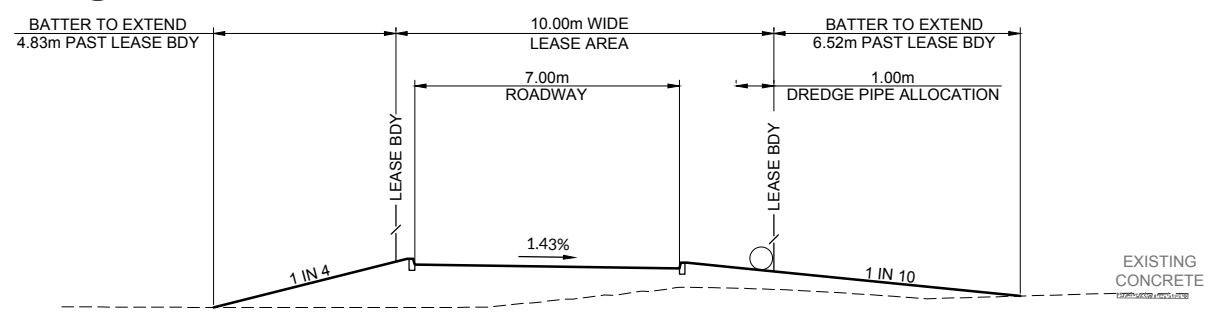
DRAWING No.		
<b>255220-C-121</b>		
SCALE	REV	A1
1:250	A	A1



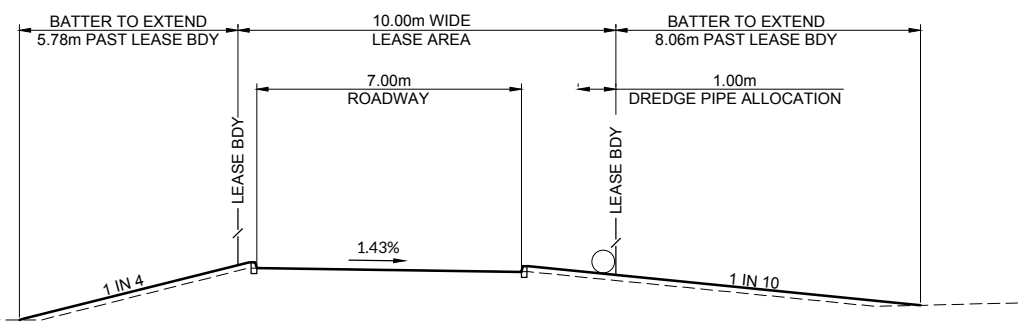
SECTION **D**  
SCALE 1:100 C-121 DATUM R.L. 2.00



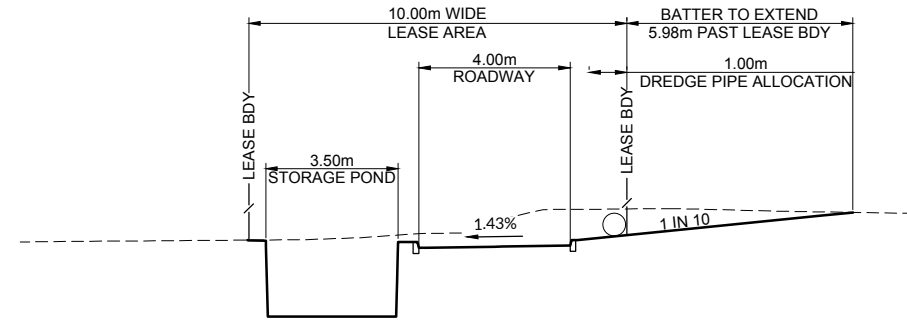
SECTION **C**  
SCALE 1:100 C-121 DATUM R.L. 2.00



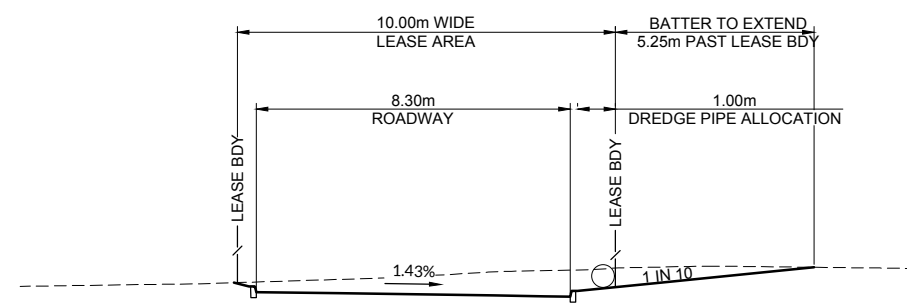
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SCALE 1:100 C-121 DATUM R.L. 2.00



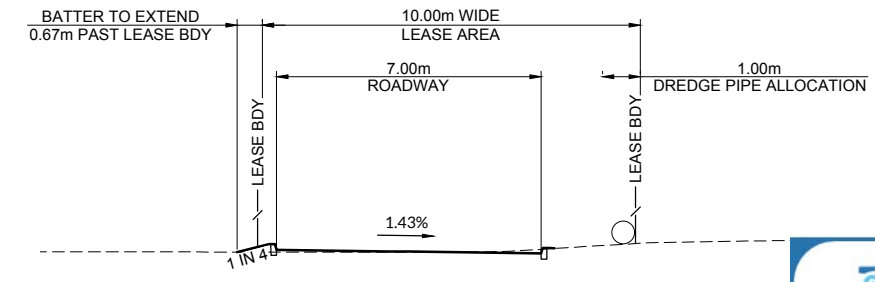
SECTION **A**  
SCALE 1:100 C-121 DATUM R.L. 0.00



SECTION **G**  
SCALE 1:100 C-121 DATUM R.L. 0.00



SECTION **F**  
SCALE 1:100 C-121 DATUM R.L. 0.00



SECTION **E**  
SCALE 1:100 C-121 DATUM R.L. 0.00

**GPC Gladstone Ports Corporation**

**APPROVED**

Name: Erin Clark  
Date: 12:20pm 27/04/2022

REV	DATE	REVISION DETAILS	DRN	DES	APP	REFERENCE DRAWINGS	REF NUMBER
A	30/06/21	CONCEPT DESIGN FOR REVIEW	LT	LT			



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DRAWN	LT	30/06/21
DESIGN	LT	30/06/21
VERIFY	AG	30/06/21
APPROVED		

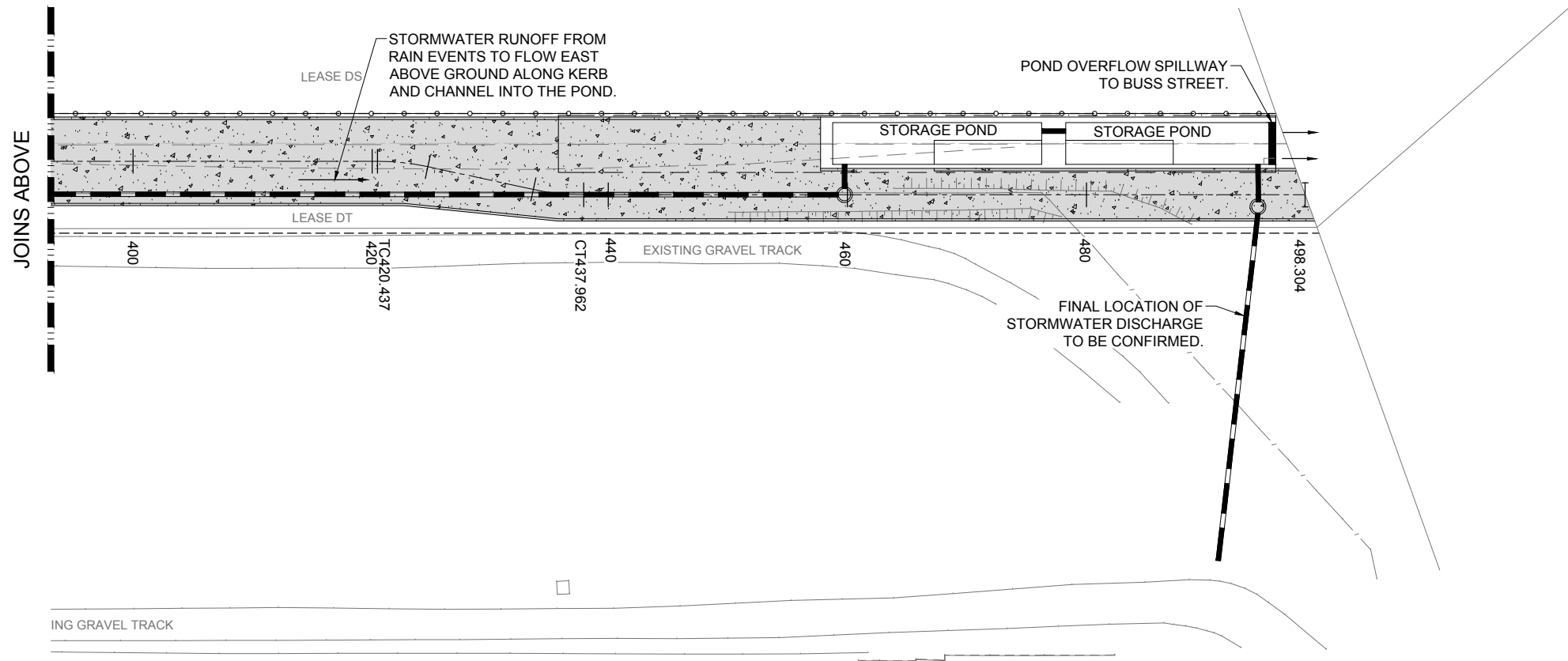
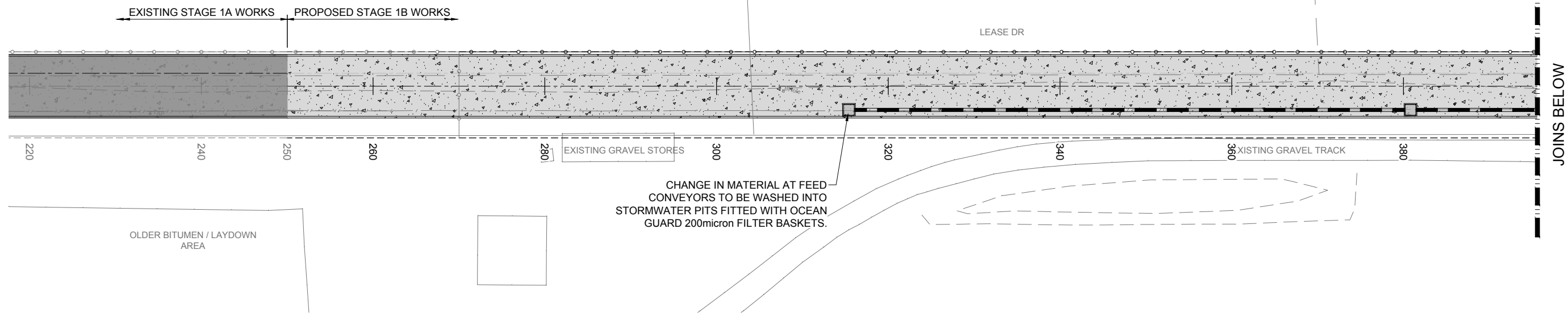
**PRELIMINARY**  
NOT FOR CONSTRUCTION

**BST CUI SUGAR UPGRADE TERMINAL**  
**BULK EARTHWORKS SECTIONS - STAGE 1B**

DRAWING No.		
<b>255220-C-131</b>		
SCALE	REV	
1:100	A	A1







**LEGEND - PROPOSED**

CONCRETE PAVEMENT

STORMWATER

**LEGEND - EXISTING**

EDGE OF BITUMEN

**APPROVED**  
 Name: Erin Clark  
 Date: 12:20pm 27/04/2022

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REV	DATE	REVISION DETAILS	DRN	DES	APP	REFERENCE DRAWINGS	REF NUMBER
A	30/06/21	CONCEPT DESIGN FOR REVIEW	LT	LT			



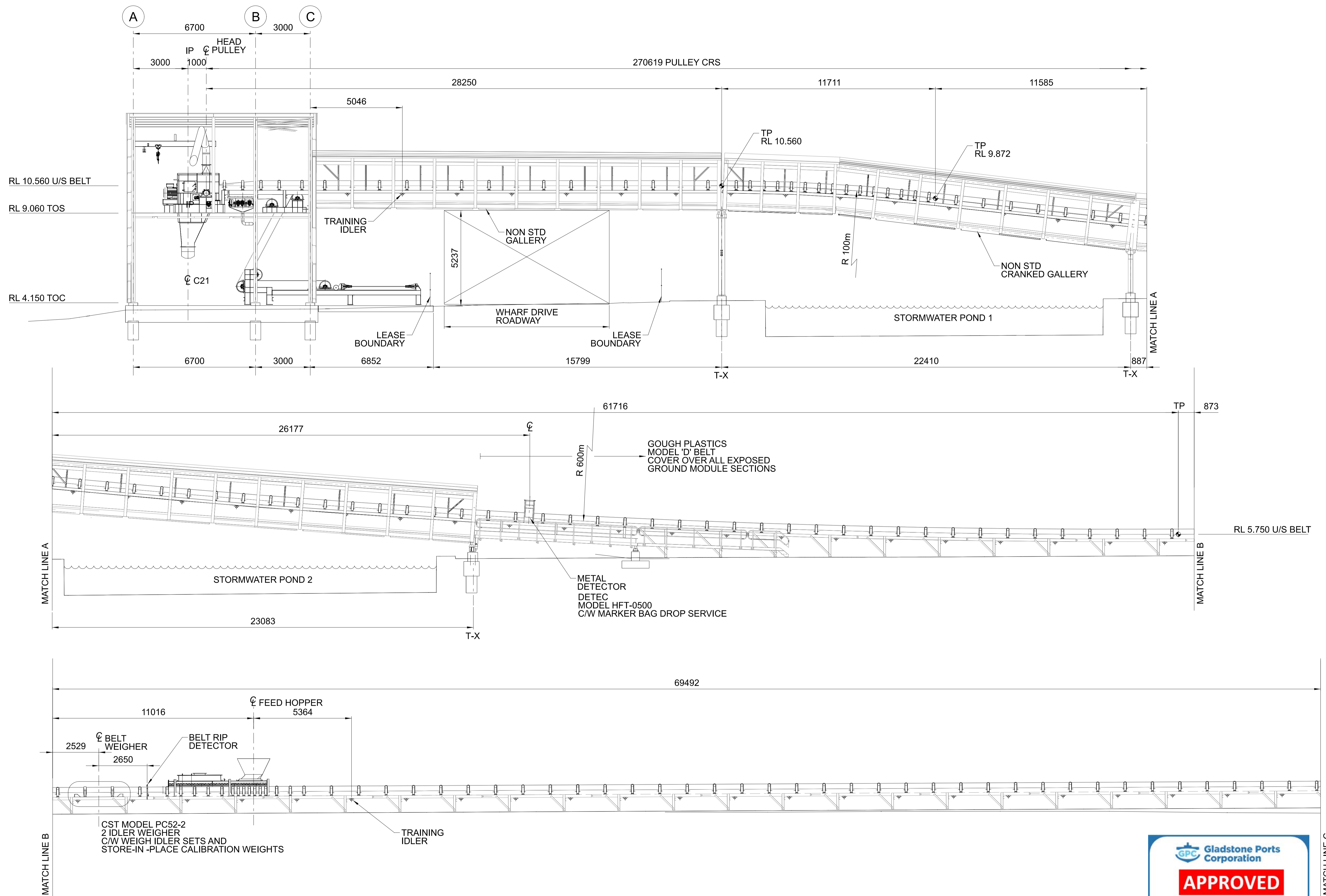
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DRAWN	LT	30/06/21
DESIGN	LT	30/06/21
VERIFY	AG	30/06/21
APPROVED		

**PRELIMINARY**  
NOT FOR CONSTRUCTION

BST CUI SUGAR UPGRADE TERMINAL  
 CONVEYOR HARDSTAND AND PAVEMENT  
 LAYOUT PLAN - STAGE 1B

DRAWING No.		
<b>255220-C-221</b>		
SCALE	REV	A1
1:250	A	A1



REV	DATE	REVISION DETAILS	DRN	DES	APP	REFERENCE DRAWINGS	REF NUMBER
B	30/08/21	ISSUED FOR REVIEW	GR	LW			
A	26/05/21	ISSUED FOR REVIEW	GR	LW			



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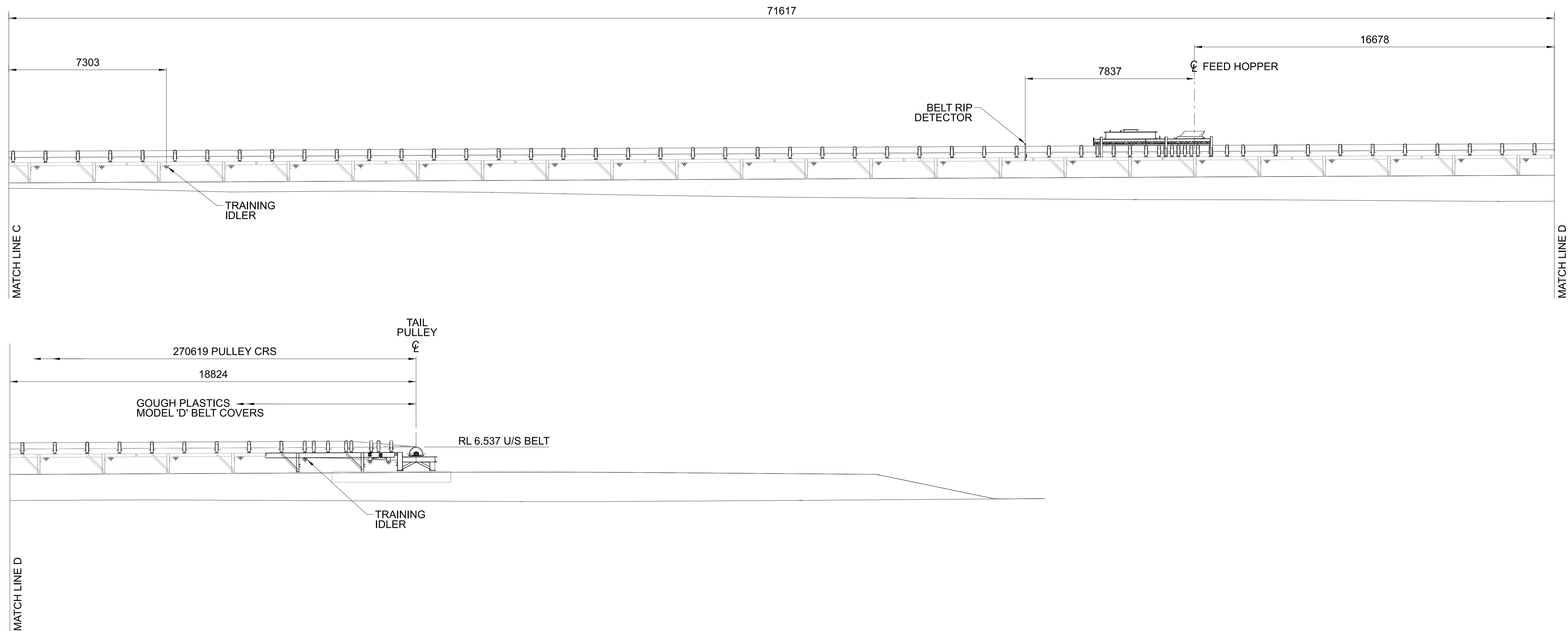
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DRAWN	G RUSSELL	25/05/21
DESIGN	L WILLIAMS	25/06/21
VERIFY		
APPROVED		

**PRELIMINARY**  
NOT FOR CONSTRUCTION

BST CUI SUGAR TERMINAL UPGRADE  
 NEW YARD CONVEYOR C22  
 GENERAL ARRANGEMENT SHEET 1 OF 2

DRAWING No.		
<b>255230-M-030</b>		
SCALE	REV	A1
1:100	B	A1



REV	DATE	REVISION DETAILS	DRN	DES	APP	REFERENCE DRAWINGS	REF NUMBER
B	30/08/21	ISSUED FOR REVIEW	GR	LW			
A	26/05/21	ISSUED FOR REVIEW	GR	LW			



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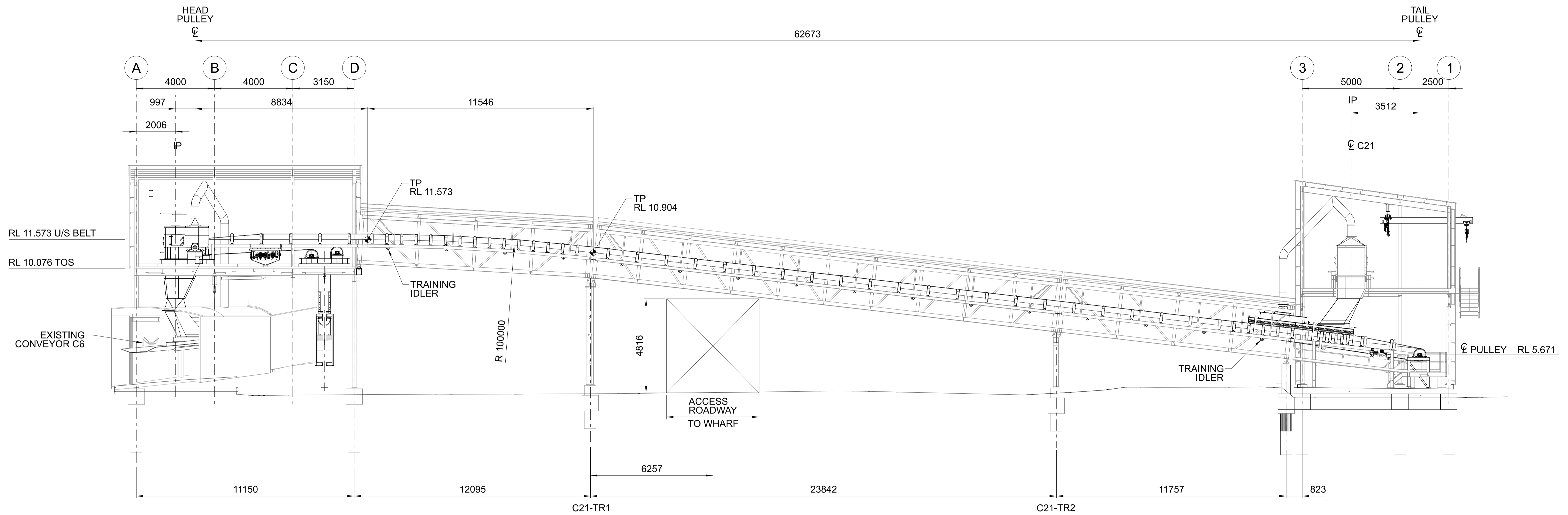
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DRAWN	G RUSSELL	25/05/21
DESIGN	L WILLIAMS	25/06/21
VERIFY		
APPROVED		

**PRELIMINARY**  
NOT FOR CONSTRUCTION

BST CUI SUGAR TERMINAL UPGRADE  
 NEW YARD CONVEYOR C22  
 GENERAL ARRANGEMENT SHEET 2 OF 2

DRAWING No.			
<b>255230-M-031</b>			
SCALE	REV		
1:100	B	A1	



REV	DATE	REVISION DETAILS	DRN	DES	APP	REFERENCE DRAWINGS	REF NUMBER
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A	26/05/21	ISSUED FOR REVIEW	GR	LW			

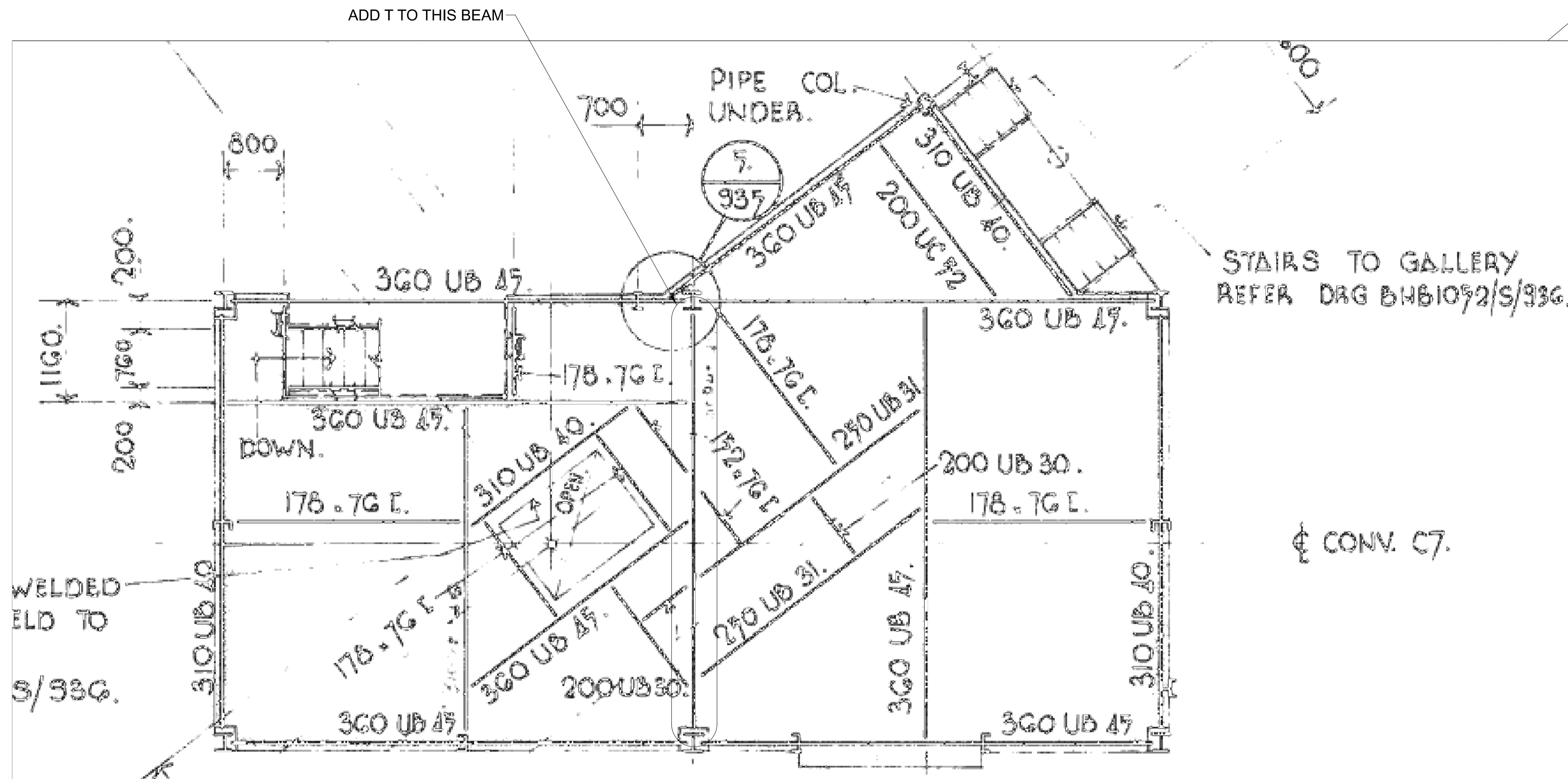


DRAWN	G RUSSELL	06/08/21
DESIGN	L WILLIAMS	06/08/21
VERIFY		
APPROVED		

**BST CUI SUGAR TERMINAL UPGRADE  
NEW CROSS CONVEYOR C21  
GENERAL ARRANGEMENT**

**PRELIMINARY**  
NOT FOR CONSTRUCTION

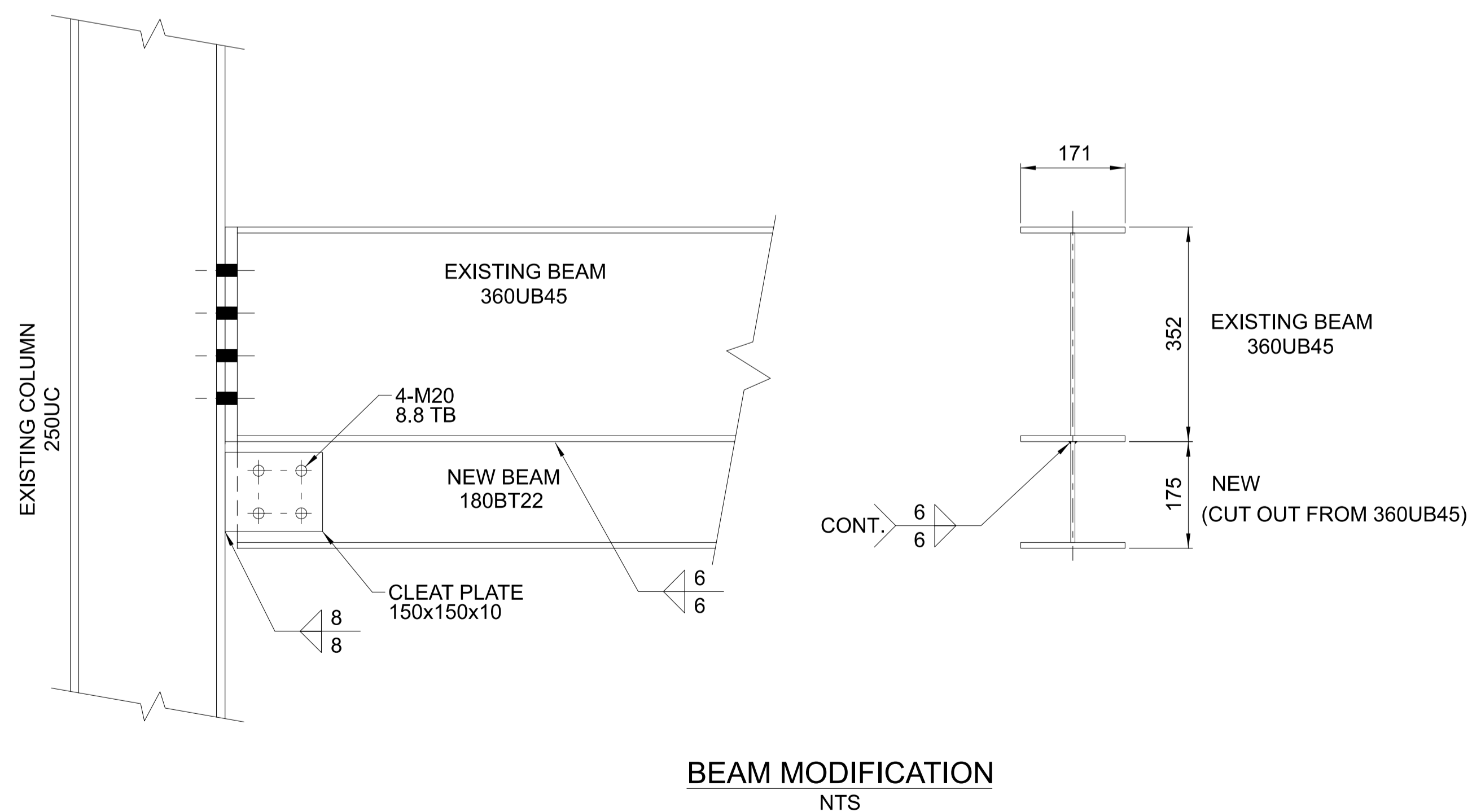
DRAWING No.		
<b>255240-M-050</b>		
SCALE	REV	
1:100	B	A1



PART DRG  
BHB1052/S/933



RL 23.134 T.O.C.



NOTES:

- FOR STANDARD NOTES REFER GRG 255000-STD-001
- ALL EQUIPMENT DIMENSIONS SHALL BE CONFIRMED WITH CERTIFIED VENDOR INFORMATION
- ALL BOLTS SHALL BE HD GALVANISED GR.8.8/S UNO



REV	DATE	REVISION DETAILS	DRN	DES	APP	REFERENCE DRAWINGS	REF NUMBER
0	15.10.21	ISSUED FOR CONSTRUCTION	G.R.	L.W.	G.H.		



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DRAWN	G.RUSSELL	15.10.21
DESIGN	R.STEELE	15.10.21
VERIFY	L.WILLIAMS	15.10.21
APPROVED	G.HARGREAVES	15.10.21

FOR CONSTRUCTION

PORT OF BUNDABERG COMMON USER INFRASTRUCTURE  
CONVEYOR C6 TO C7 TRANSFER  
STRENGTHENING WORKS

DRAWING No.

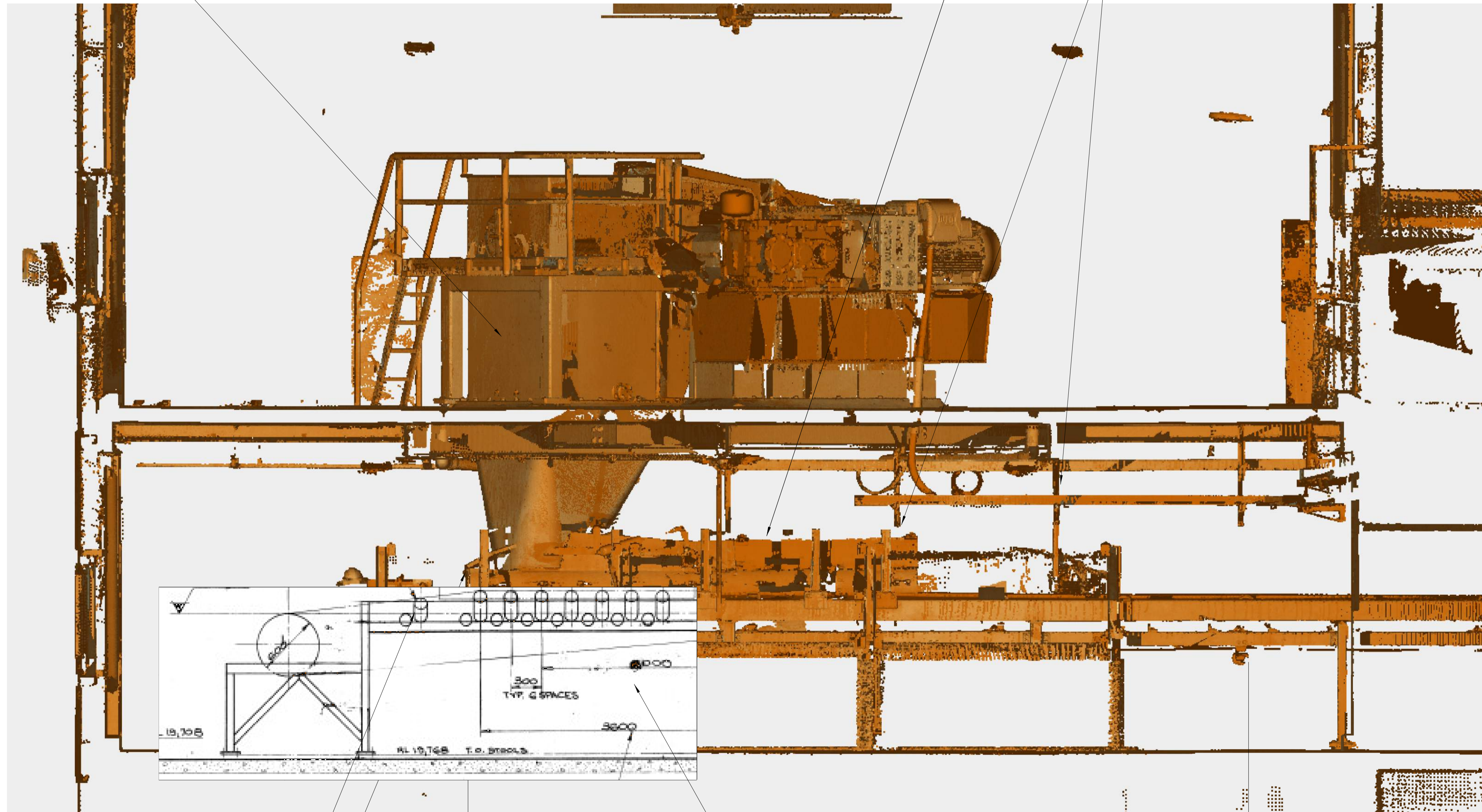
**255250-M-071**

SCALE	REV	
NTS	0	A1

LINE CHUTE INSERTS WITH TIVAR-88 WEAR LINING. REFER DRG M-073

REMOVE EXISTING SKIRTS. REPLACE WITH NEW SKIRTS AND SHEAR GATE. REFER DRG M-015

RE-INSTALL EXISTING MATERIAL DETECTORS

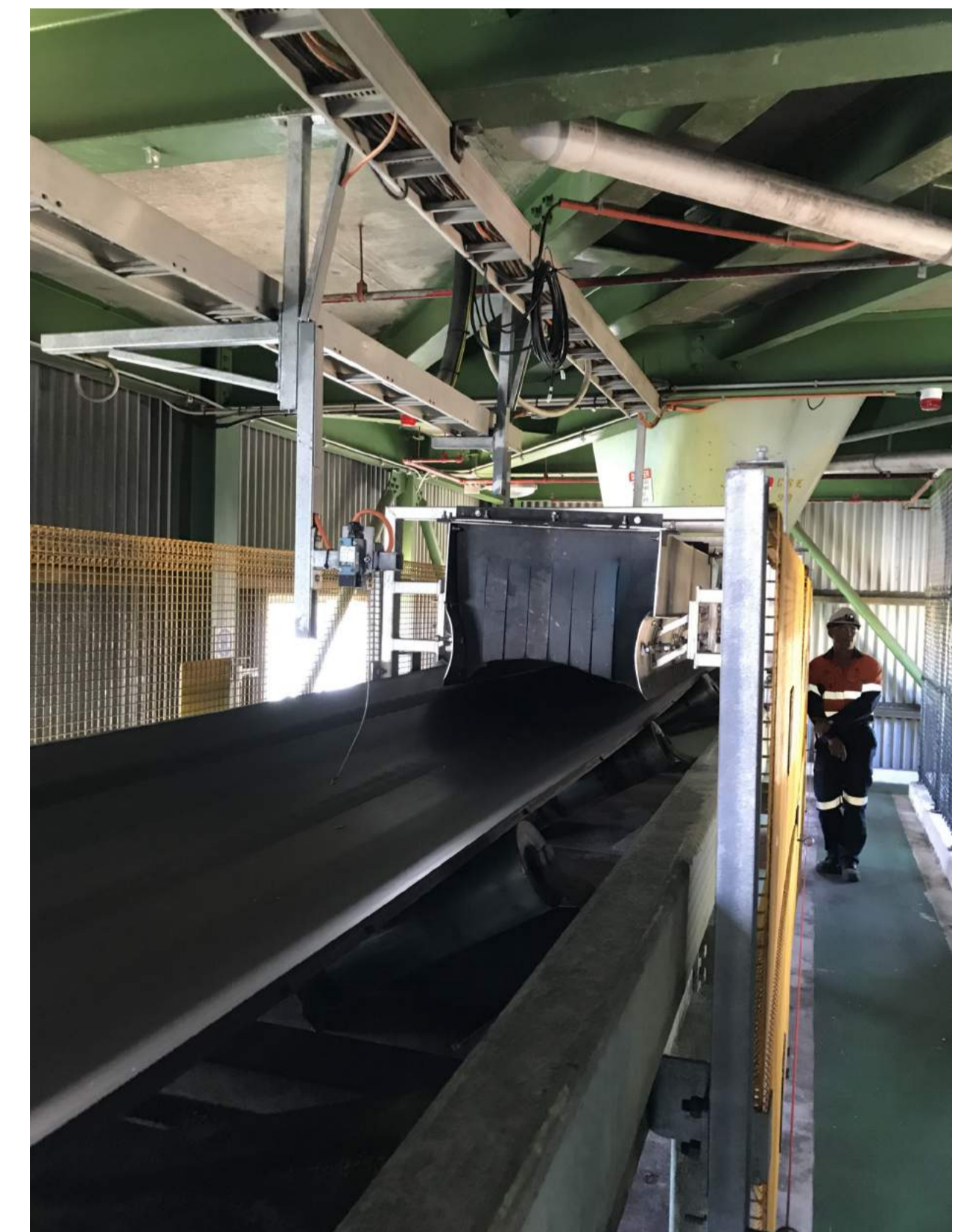
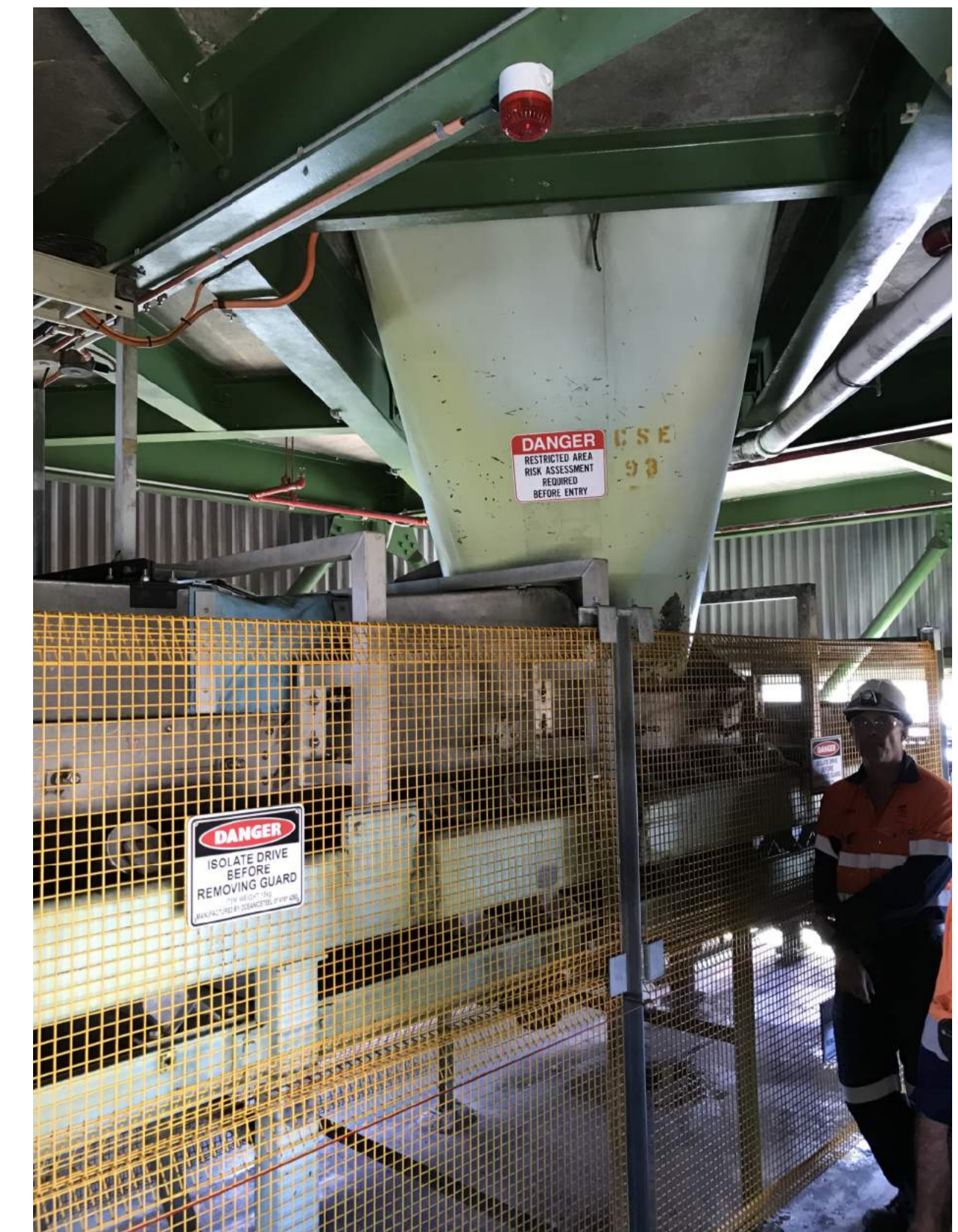


ADJUST TRANSITION IDLER ANGLE TO SUIT NEW TROUGH ANGLE

RE-INSTALL EXISTING TAIL WATER SPRAY

RE-USE EXISTING SKIRT GUARDING

REPLACE CARRY IDLER FRAMES WITH 3-ROLL 45° TROUGH



EXISTING C7 TAIL END

**GPC Gladstone Ports Corporation**

**APPROVED**

Name: Erin Clark  
Date: 12:26pm 27/04/2022

REV	DATE	REVISION DETAILS	DRN	DES	APP	REFERENCE DRAWINGS	REF NUMBER
0	15.10.21	ISSUED FOR CONSTRUCTION	G.R.	L.W.	G.H.		



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DRAWN	G.RUSSELL	15.10.21
DESIGN	L.WILLIAMS	15.10.21
VERIFY	G.HARGREAVES	15.10.21
APPROVED	G.HARGREAVES	15.10.21

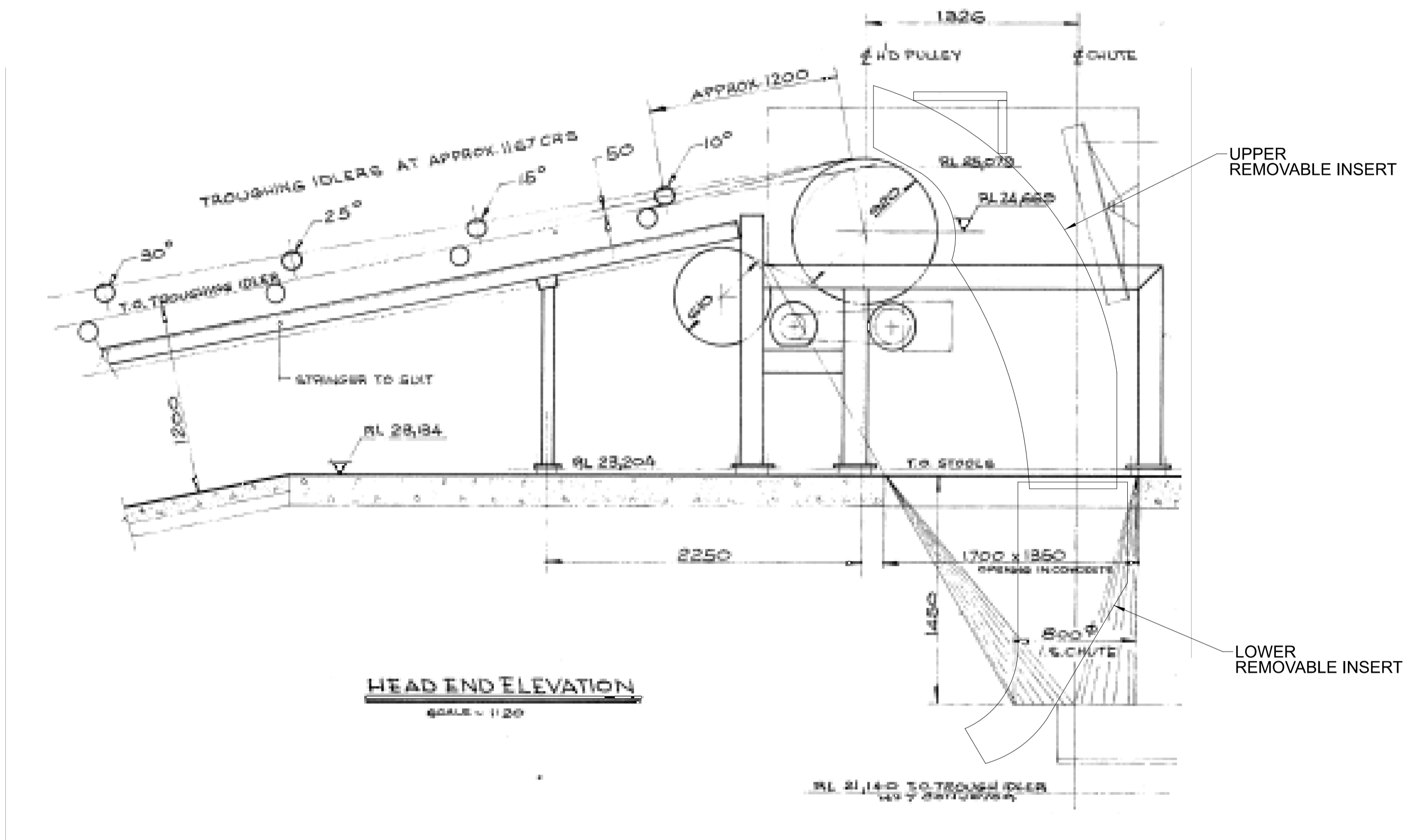
**FOR CONSTRUCTION**

PORT OF BUNDABERG COMMON USER INFRASTRUCTURE  
CONVEYOR C7  
TAIL END SKIRT MODIFICATIONS

DRAWING No.

**255250-M-072**

SCALE	REV	
NTS	0	A1



C6/C7 TRANSFER

SCOPE:

1. REMOVE INSERTS TO WORKSHOP
2. DETAIL MEASURE AND PRODUCE DRAWINGS
3. LINE INSIDE WITH 15mm TIVAR-88 "BLACK" UHMW-PE USING THROUGH BOLT ATTACHMENT
4. RETURN TO SITE AND RE-INSTALL



REV	DATE	REVISION DETAILS	DRN	DES	APP	REFERENCE DRAWINGS	REF NUMBER
0	15.10.21	ISSUED FOR CONSTRUCTION	G.R.	L.W.	G.H.		



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DRAWN	G.RUSSELL	15.10.21
DESIGN	L.WILLIAMS	15.10.21
VERIFY	M.FRENDI	15.10.21
APPROVED	G.HARGREAVES	15.10.21

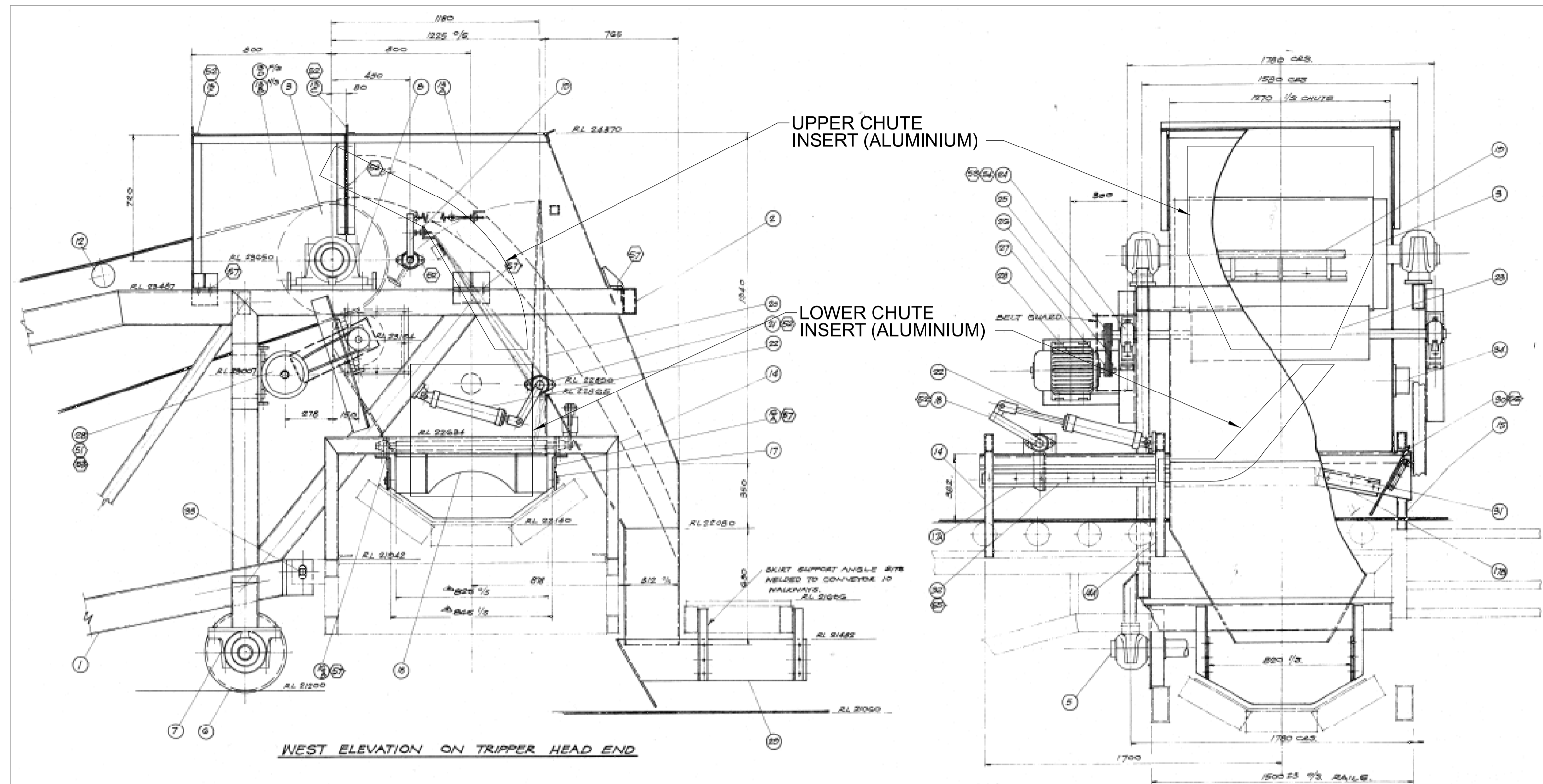
FOR CONSTRUCTION

PORT OF BUNDABERG COMMON USER INFRASTRUCTURE  
CONVEYOR C6/C7 TRANSFER  
CHUTE INSERT MODIFICATIONS

DRAWING No.

255250-M-073

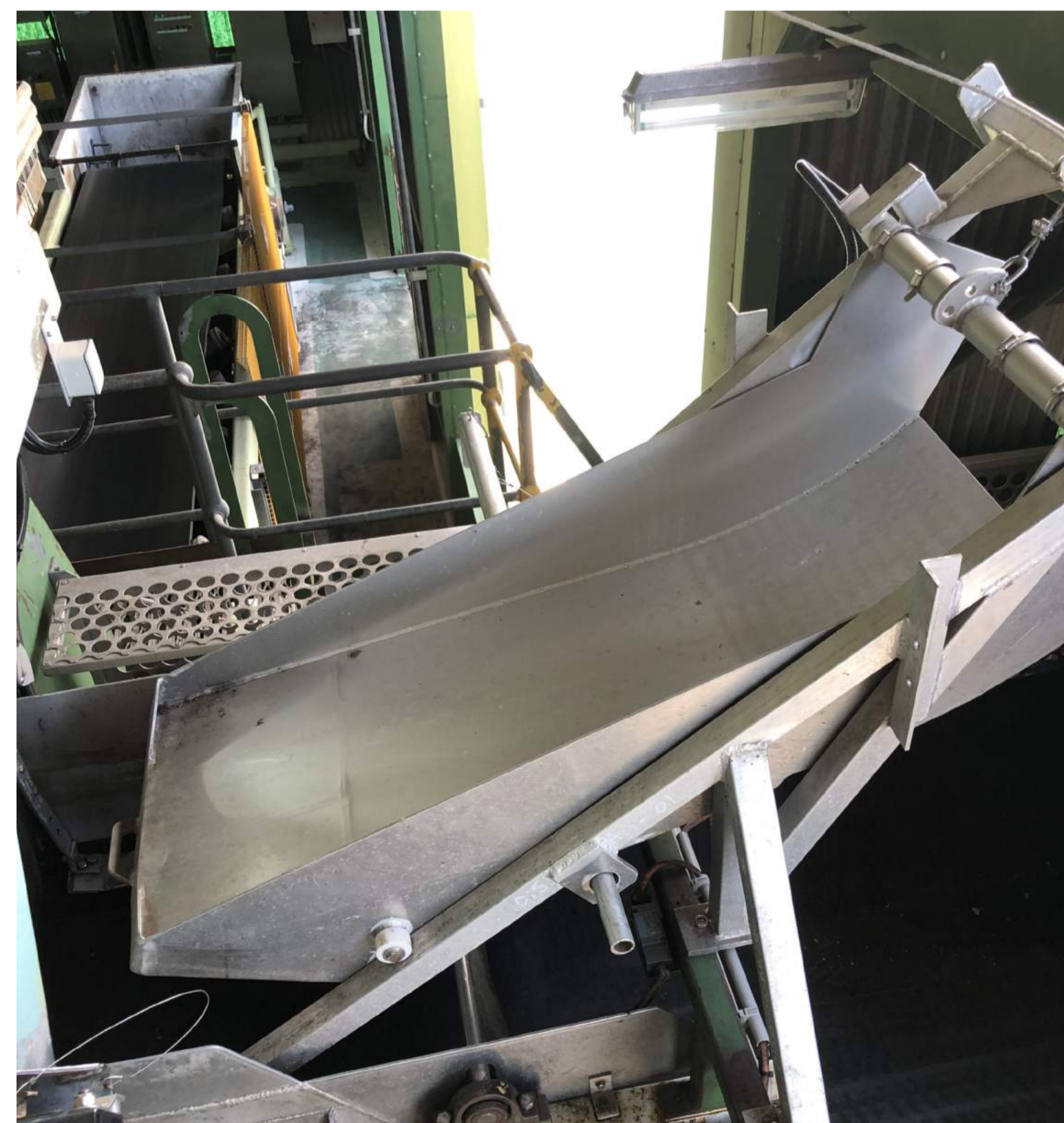
SCALE	REV	
NTS	0	A1



C7/C10 (TRIPPER) TRANSFER



UPPER CHUTE INSERT



LOWER CHUTE INSERT

SCOPE:

1. REMOVE INSERTS TO WORKSHOP
2. DETAIL MEASURE AND PRODUCE DRAWINGS
3. LINE INSIDE WITH 15mm TIVAR-88 "BLACK" UHMW-PE USING THROUGH BOLT ATTACHMENT
4. RETURN TO SITE AND RE-INSTALL

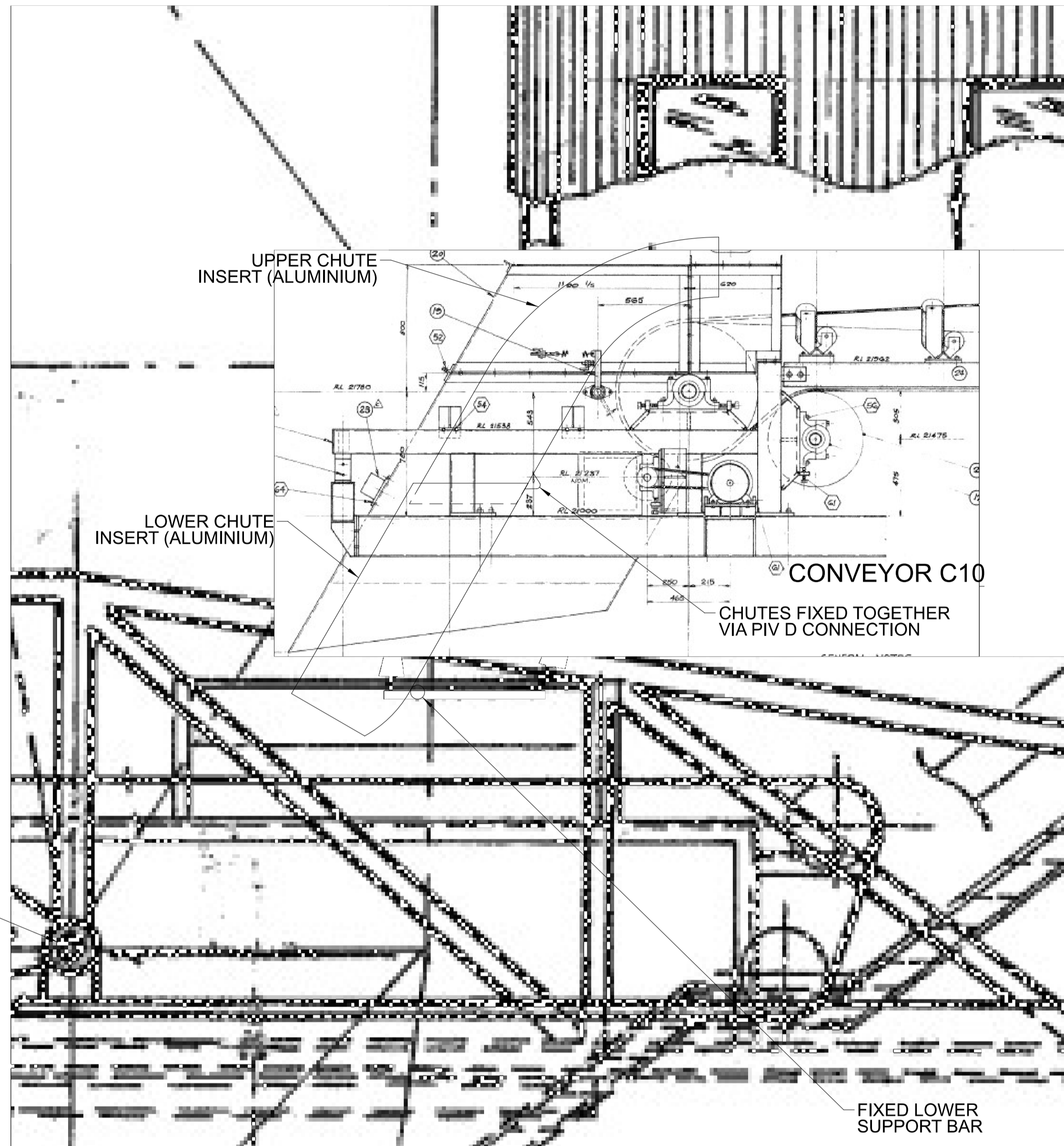


						 Brisbane Office: Level 13/145 Eagle Street, Brisbane QLD 4000 www.lineareng.com.au - Tel: 0410 177 338		DRAWN G.RUSSELL 15.10.21 DESIGN L.WILLIAMS 15.10.21 VERIFY M.FRENDO 15.10.21 APPROVED G.HARGREAVES 15.10.21	PORT OF BUNDABERG COMMON USER INFRASTRUCTURE CONVEYOR C7/C10 TRANSFER CHUTE INSERT MODIFICATIONS	DRAWING No. <b>255250-M-075</b>		
0	15.10.21	ISSUED FOR CONSTRUCTION	G.R.	L.W.	G.H.			<b>FOR CONSTRUCTION</b>		SCALE	REV	A1
REV	DATE	REVISION DETAILS	DRN	DES	APP	REFERENCE DRAWINGS	REF NUMBER			CLIENT	NTS	0





WINCH ATTACHMENT CROSS BEAM TO BE BOLTED TO STEEL SHIPLOADER STRUCTURE FRAME



CONVEYOR C11



PROVIDE 2x NEW 750Kg PULL MANUAL WINCHES AND ROPES



SCOPE:

1. REMOVE INSERTS TO WORKSHOP
2. DETAIL MEASURE AND PRODUCE DRAWINGS
3. LINE INSIDE WITH 15mm TIVAR-88 "BLACK" UHMW-PE USING THROUGH BOLT ATTACHMENT
4. RETURN TO SITE AND RE-INSTALL

GPC Gladstone Ports Corporation

**APPROVED**

Name: Erin Clark  
Date: 12:26pm 27/04/2022

REV	DATE	REVISION DETAILS	DRN	DES	APP	REFERENCE DRAWINGS	REF NUMBER
0	15.10.21	ISSUED FOR CONSTRUCTION	G.R.	L.W.	G.H.		



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DRAWN	G.RUSSELL	15.10.21
DESIGN	L.WILLIAMS	15.10.21
VERIFY	M.FRENDI	15.10.21
APPROVED	G.HARGREAVES	15.10.21

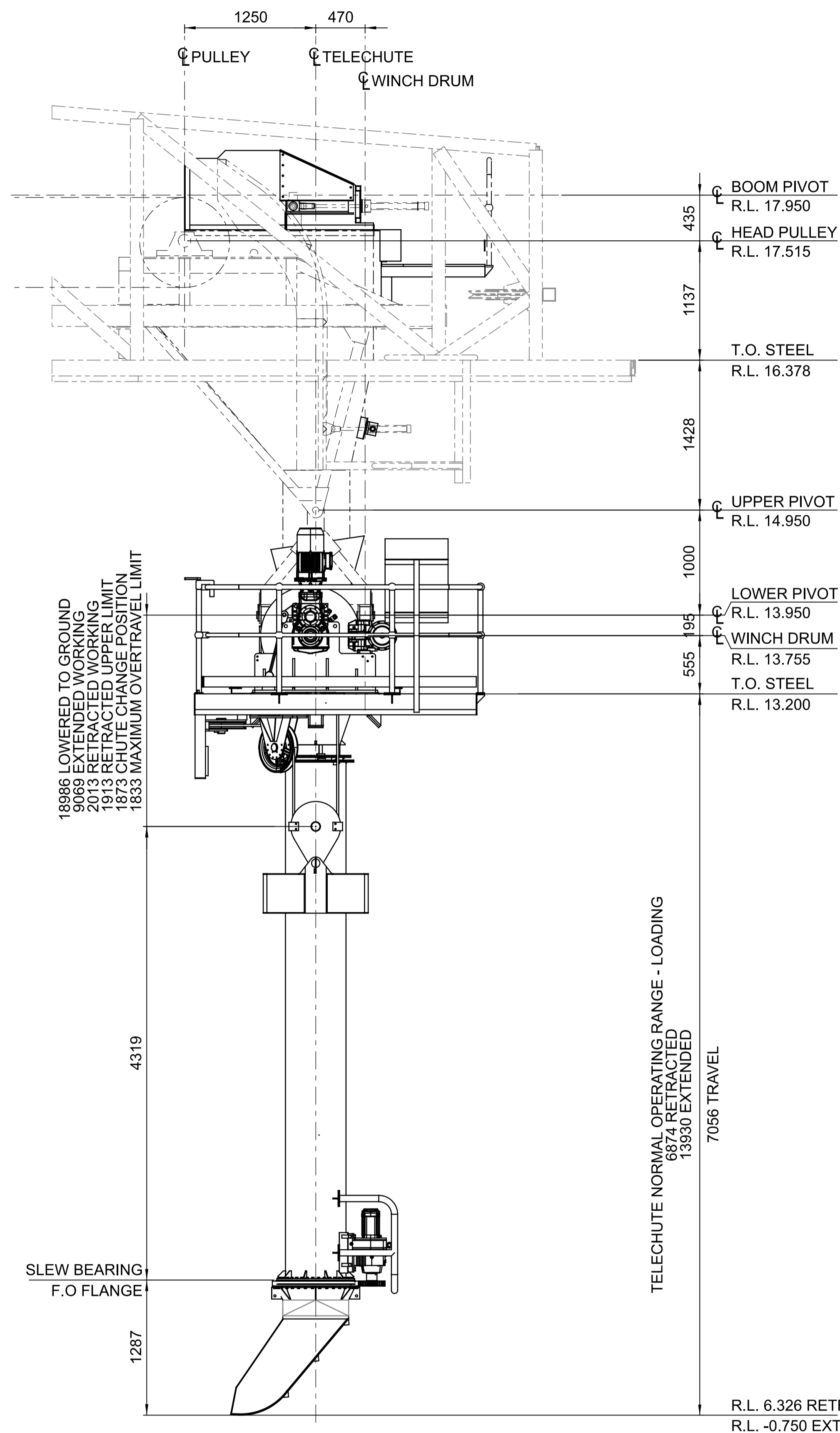
**FOR CONSTRUCTION**

PORT OF BUNDABERG COMMON USER INFRASTRUCTURE  
CONVEYOR C10/C11 TRANSFER  
CHUTE INSERT MODIFICATIONS

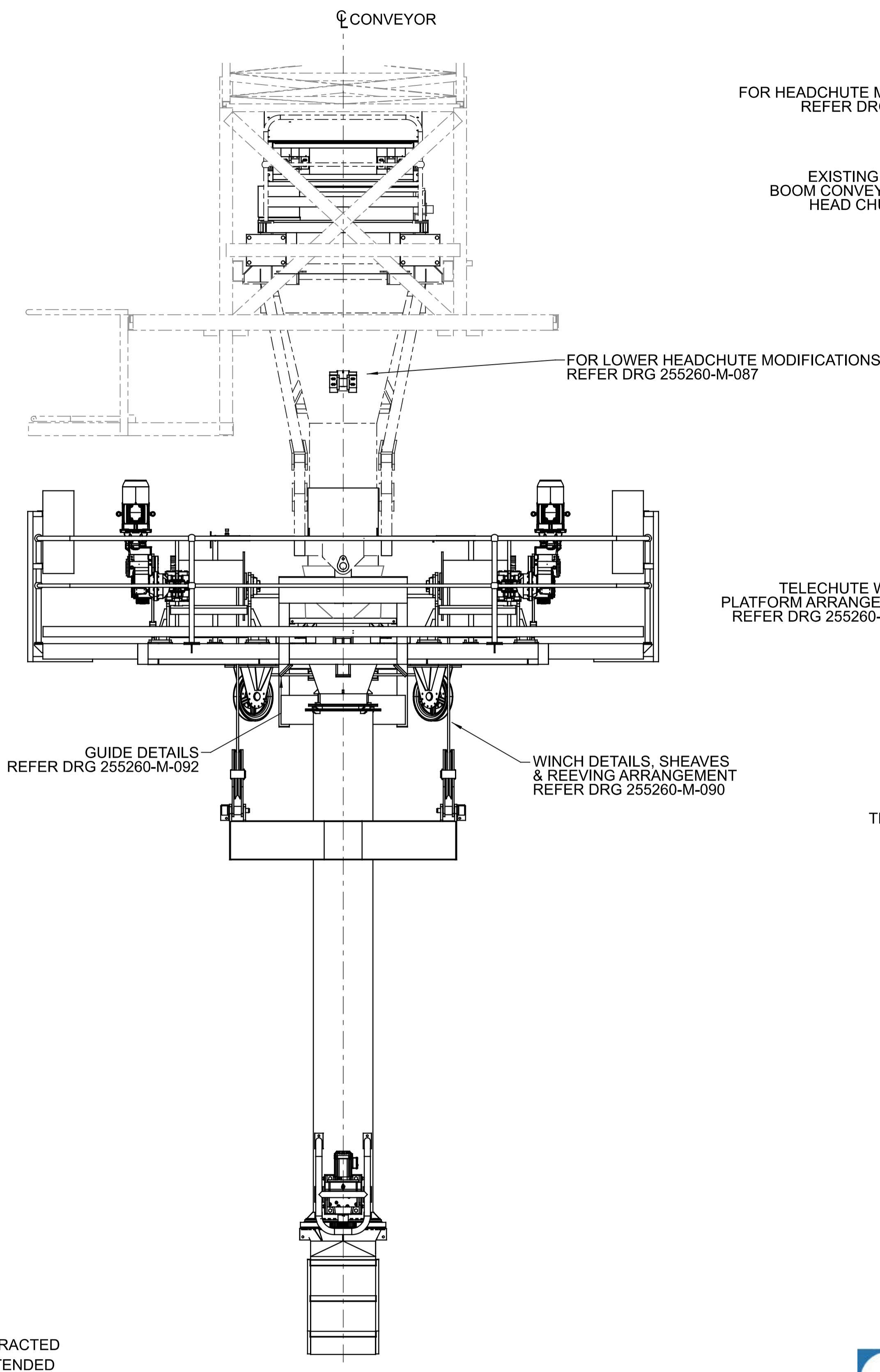
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**255250-M-078**

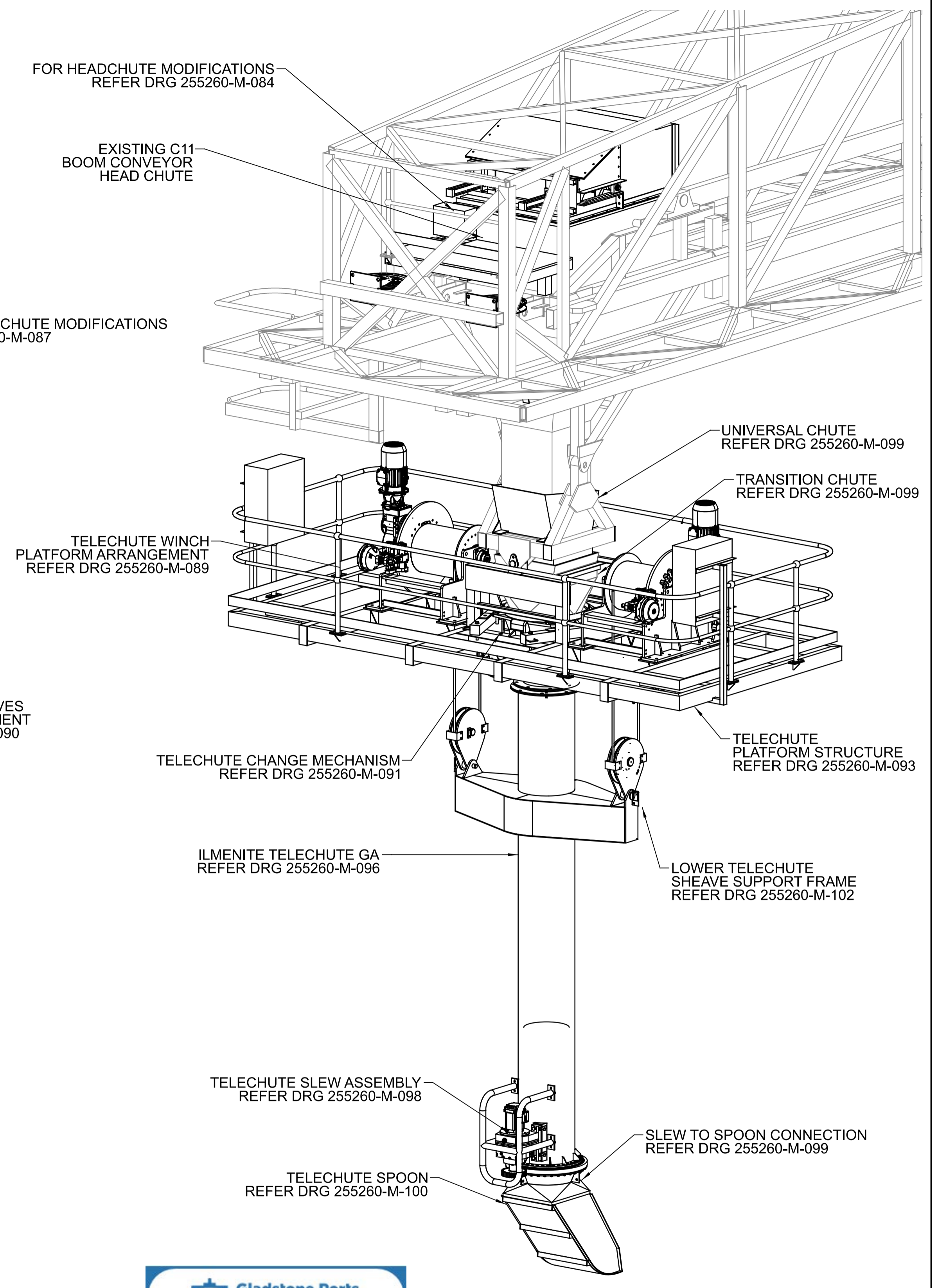
SCALE	NTS	REV	0	A1
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ELEVATION ON TELECHUTE - RETRACTED  
SCALE 1:30



END ELEVATION ON TELECHUTE - RETRACTED  
SCALE 1:30



3D VIEW - TELECHUTE GA  
N.T.S.



REV	DATE	REVISION DETAILS	DRN	DES	APP	REFERENCE DRAWINGS	REF NUMBER
0	15.10.21	ISSUED FOR CONSTRUCTION	N.M	M.F	G.H.		

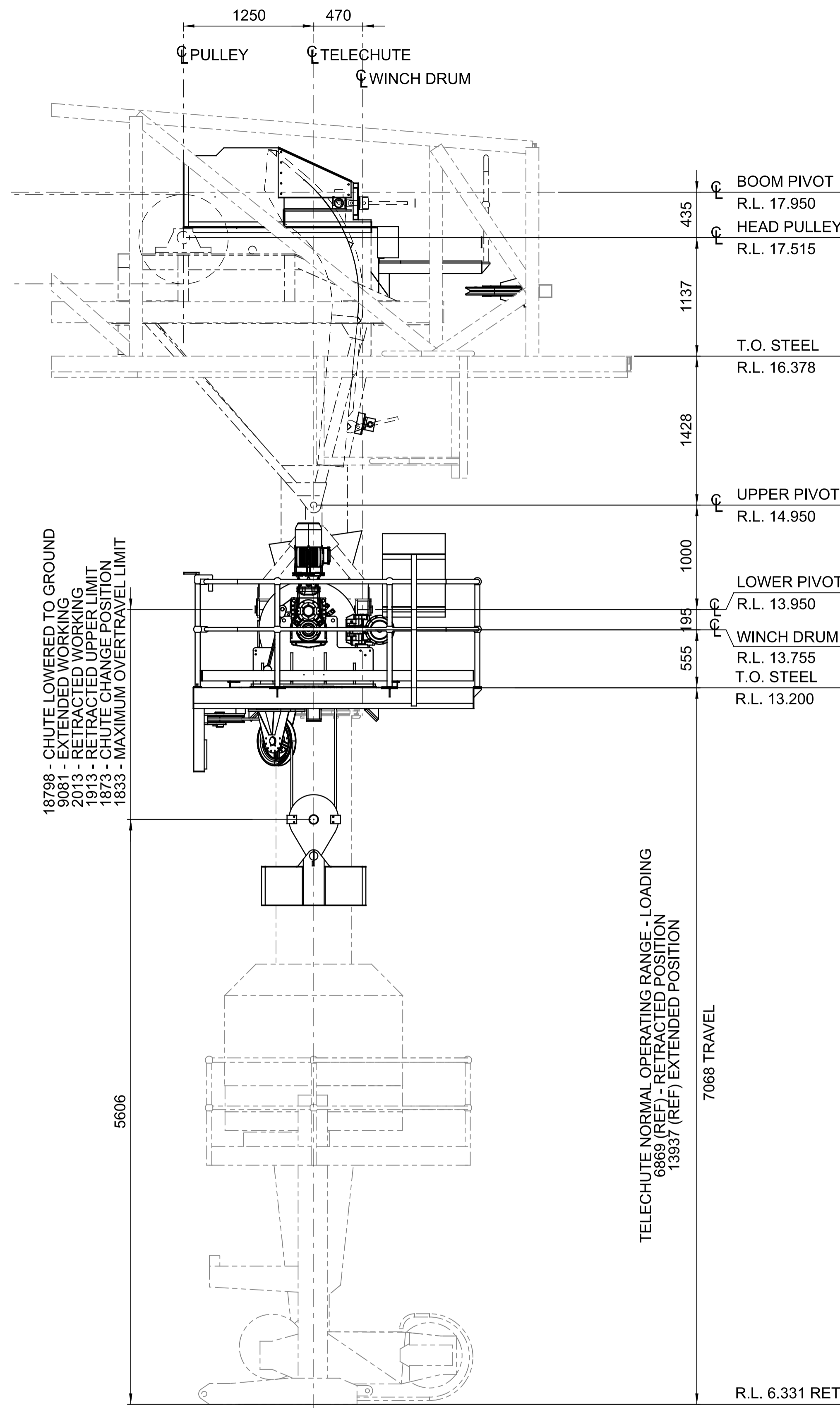


DRAWN	N.MOBSBY	15.10.21
DESIGN	M.FRENDI	15.10.21
VERIFY	L.WILLIAMS	15.10.21
APPROVED	G.HARGREAVES	15.10.21

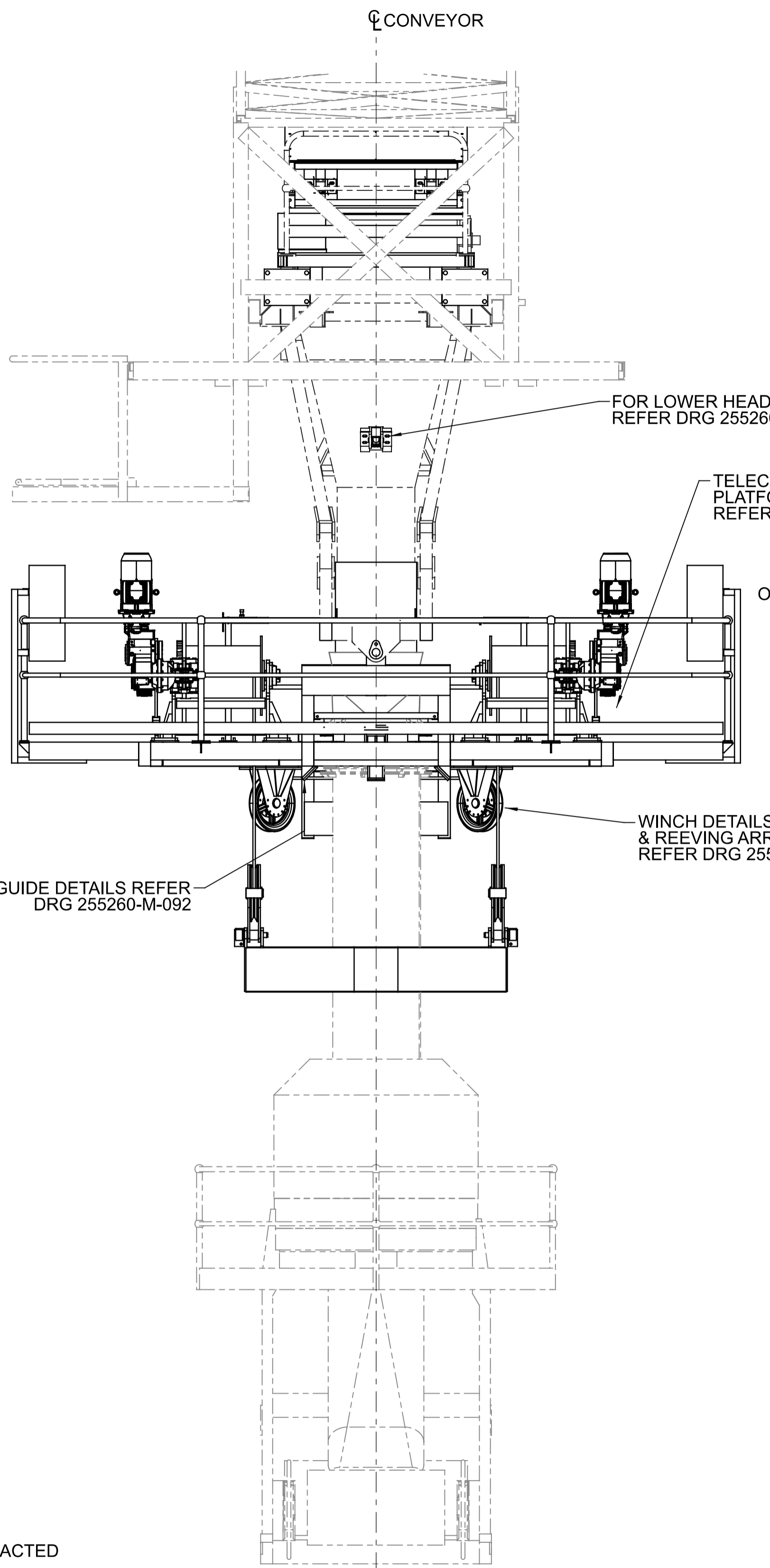
PORT OF BUNDABERG COMMON USER INFRASTRUCTURE  
SHIPLOADER  
ILMENITE TELECHUTE  
GENERAL ARRANGEMENT AND OPERATING RANGE

DRAWING No.	255260-M-081
SCALE	AS NOTED
REV	0
A1	

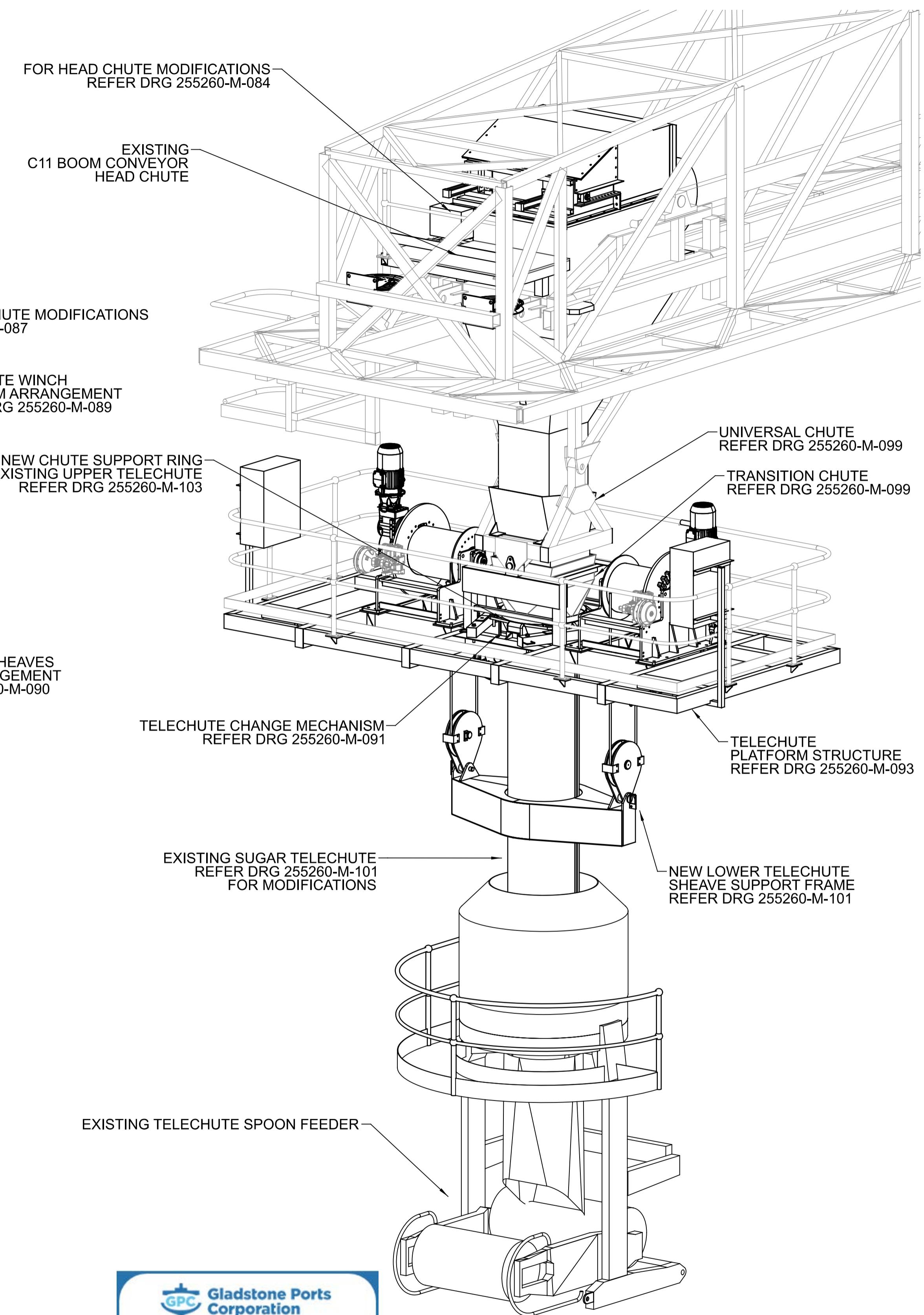
FOR CONSTRUCTION



ELEVATION ON TELECHUTE - RETRACTED  
SCALE 1:30



END ELEVATION ON TELECHUTE  
SCALE 1:30



3D VIEW - TELECHUTE GA  
N.T.S.

**GPC Gladstone Ports Corporation**  
**APPROVED**  
Name: Erin Clark  
Date: 12:26pm 27/04/2022

REV	DATE	REVISION DETAILS	DRN	DES	APP	REFERENCE DRAWINGS	REF NUMBER
0	15.10.21	ISSUED FOR CONSTRUCTION	N.M	M.F	G.H.		



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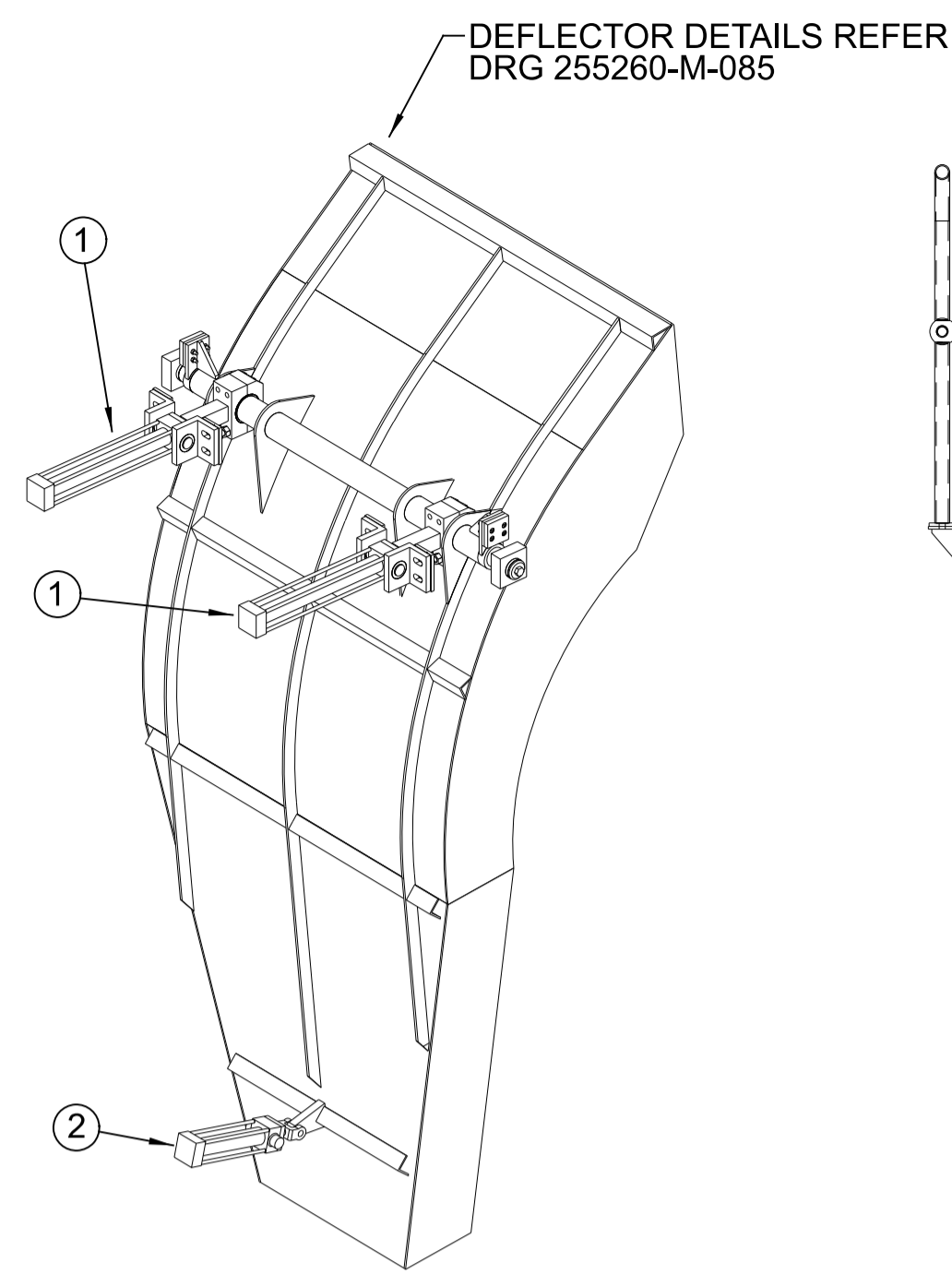
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THIRD ANGLE PROJECTION U.N.O.  
DO NOT SCALE FROM DRAWING

DRAWN	N.MOBSBY	15.10.21
DESIGN	M.FREND0	15.10.21
VERIFY	L.WILLIAMS	15.10.21
APPROVED	G.HARGREAVES	15.10.21

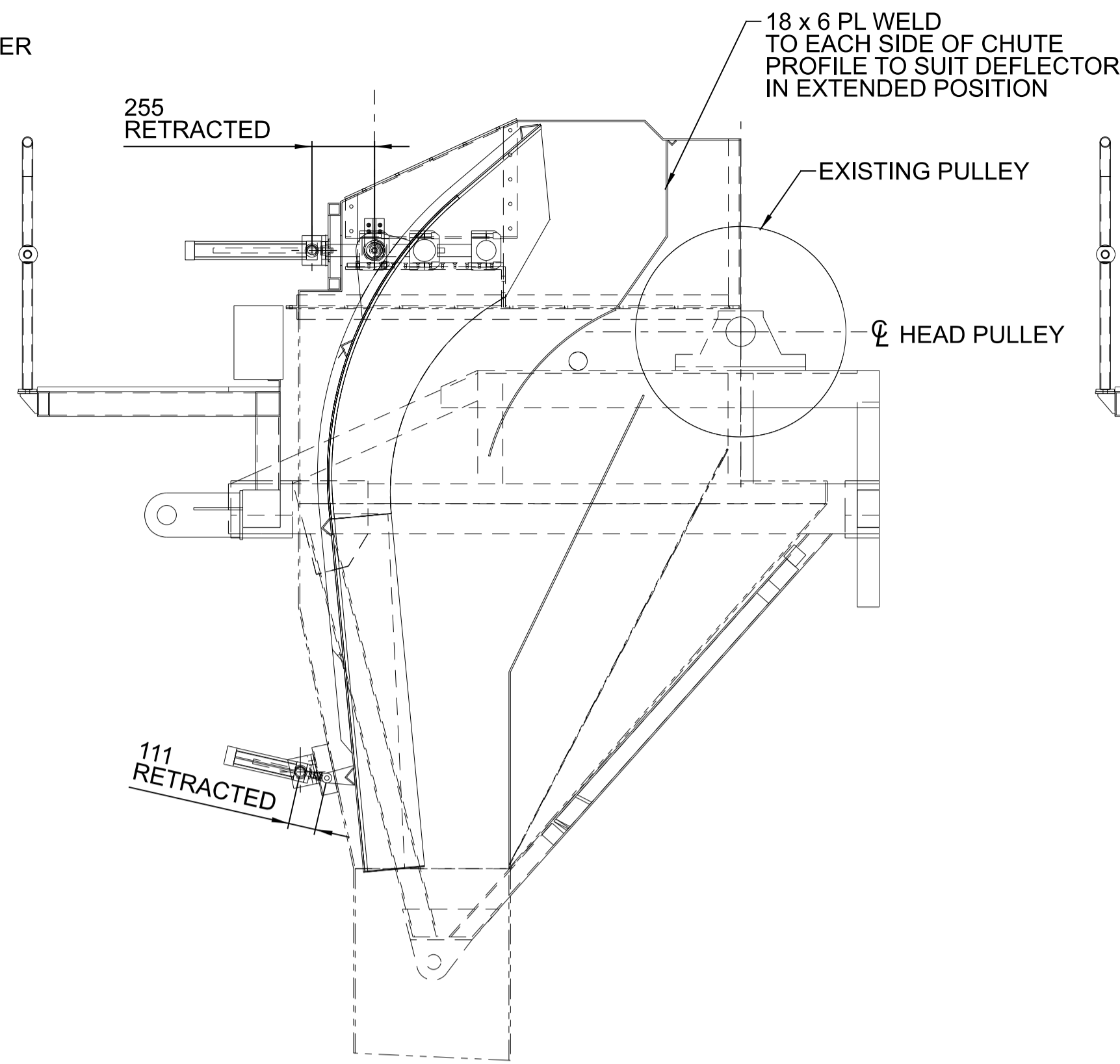
**FOR CONSTRUCTION**

PORT OF BUNDABERG COMMON USER INFRASTRUCTURE  
SHIPLOADER  
EXISTING SUGAR TELECHUTE - MODIFICATIONS  
GENERAL ARRANGEMENT AND OPERATING RANGE

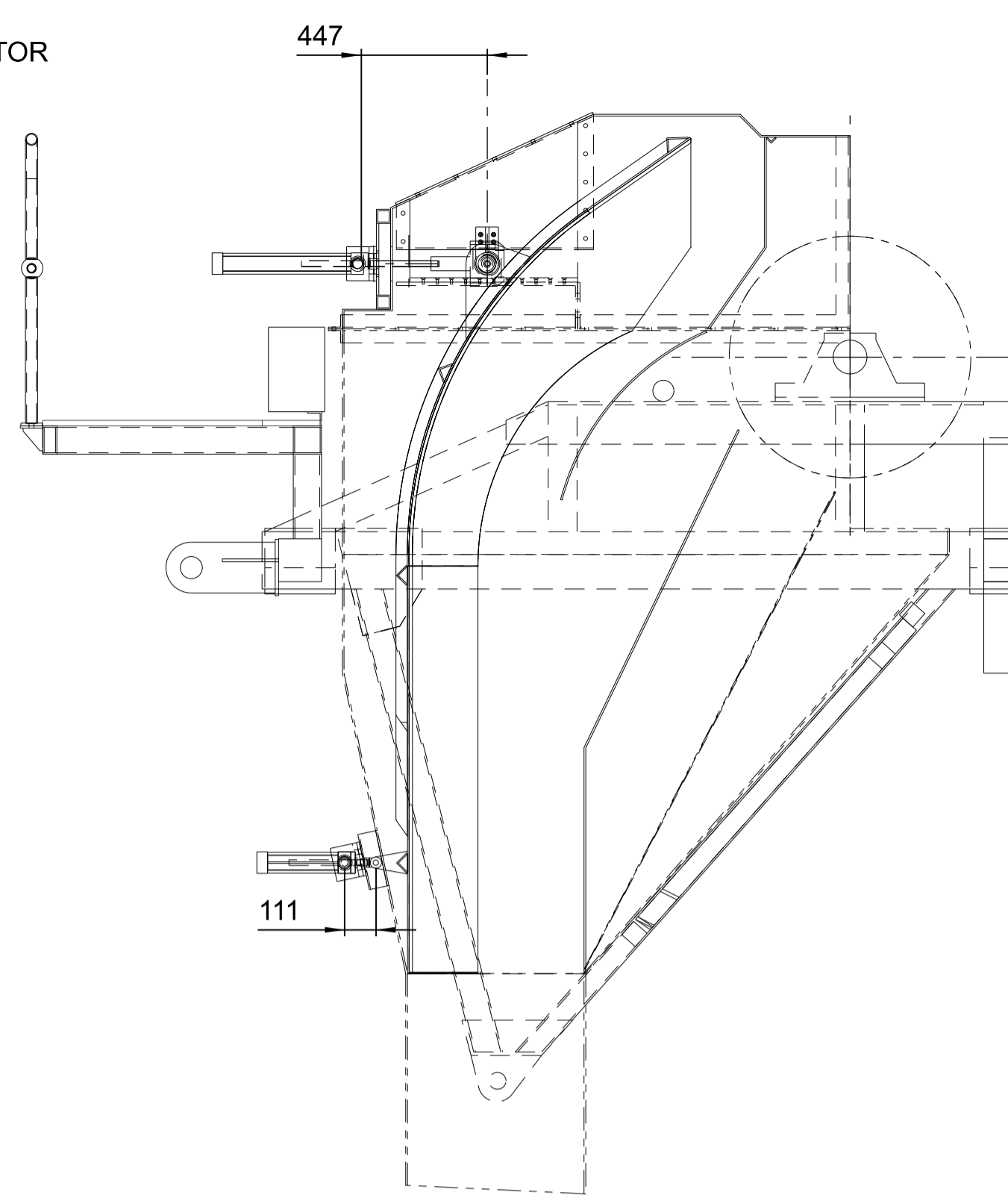
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<b>255260-M-082</b>	
SCALE AS NOTED	REV 0 A1



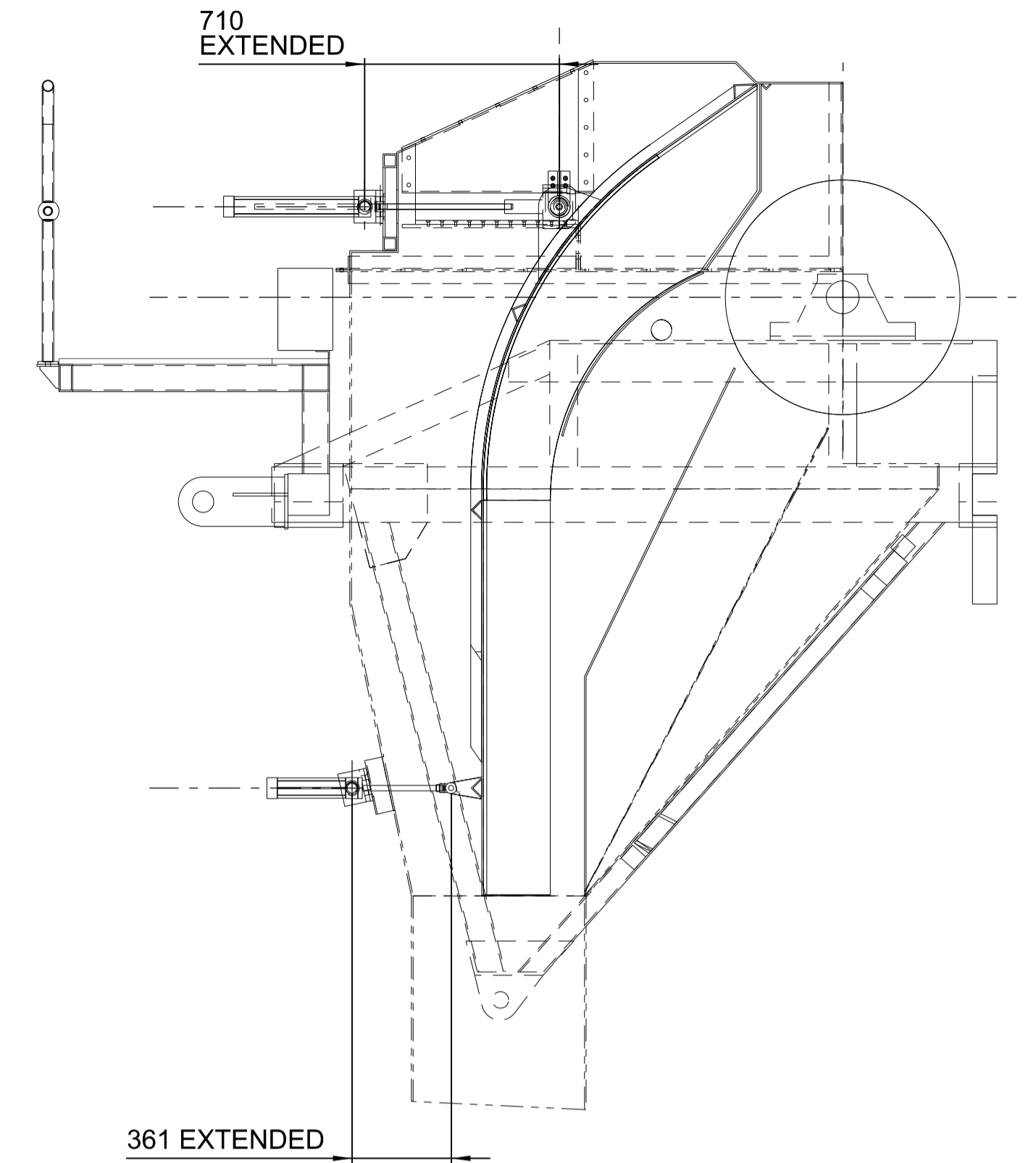
**DEFLECTOR 3D VIEW**  
N.T.S.



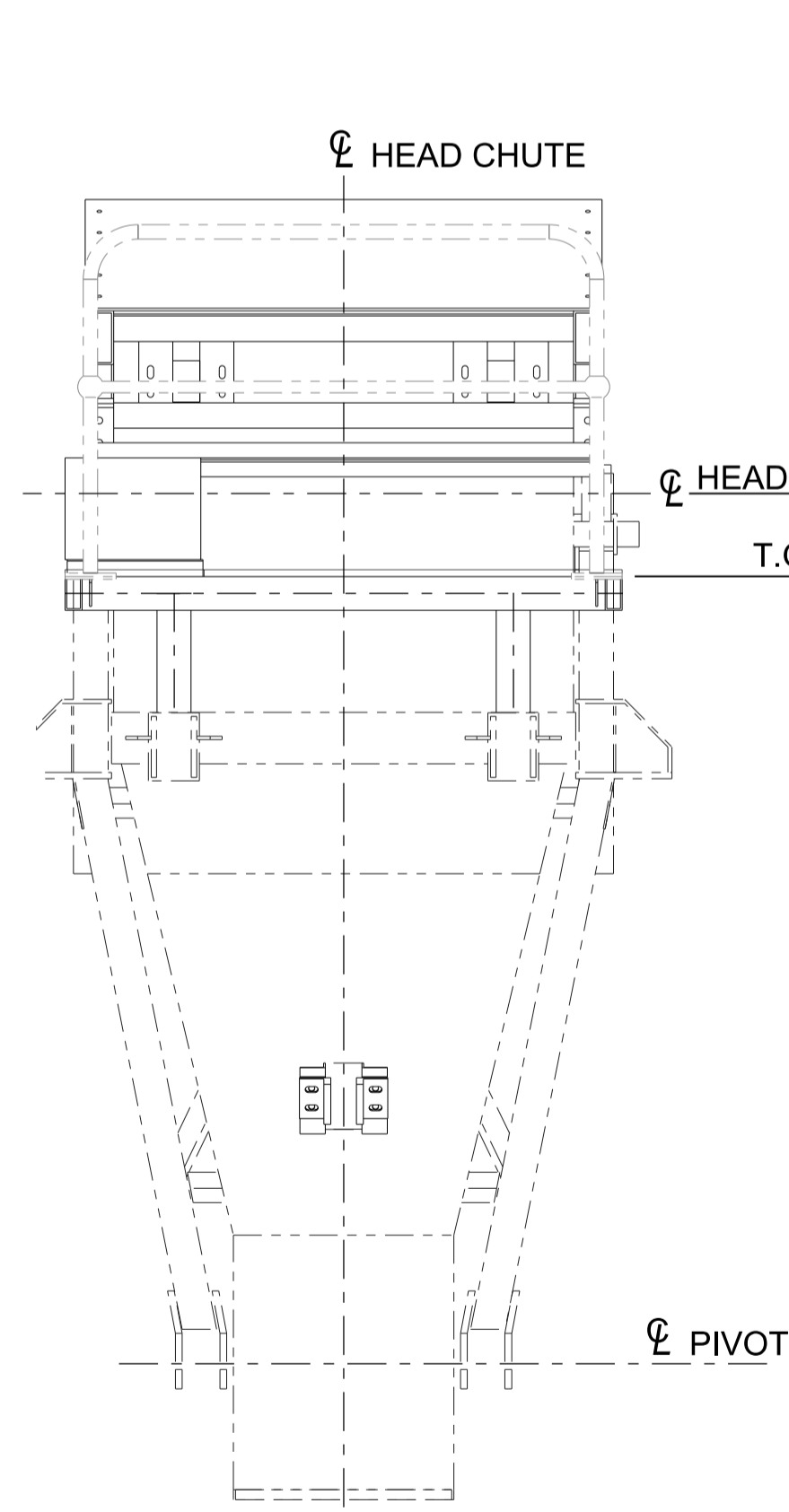
**DEFLECTOR RETRACTED FOR SUGAR AND WOODCHIP LOADING**  
SCALE 1:20



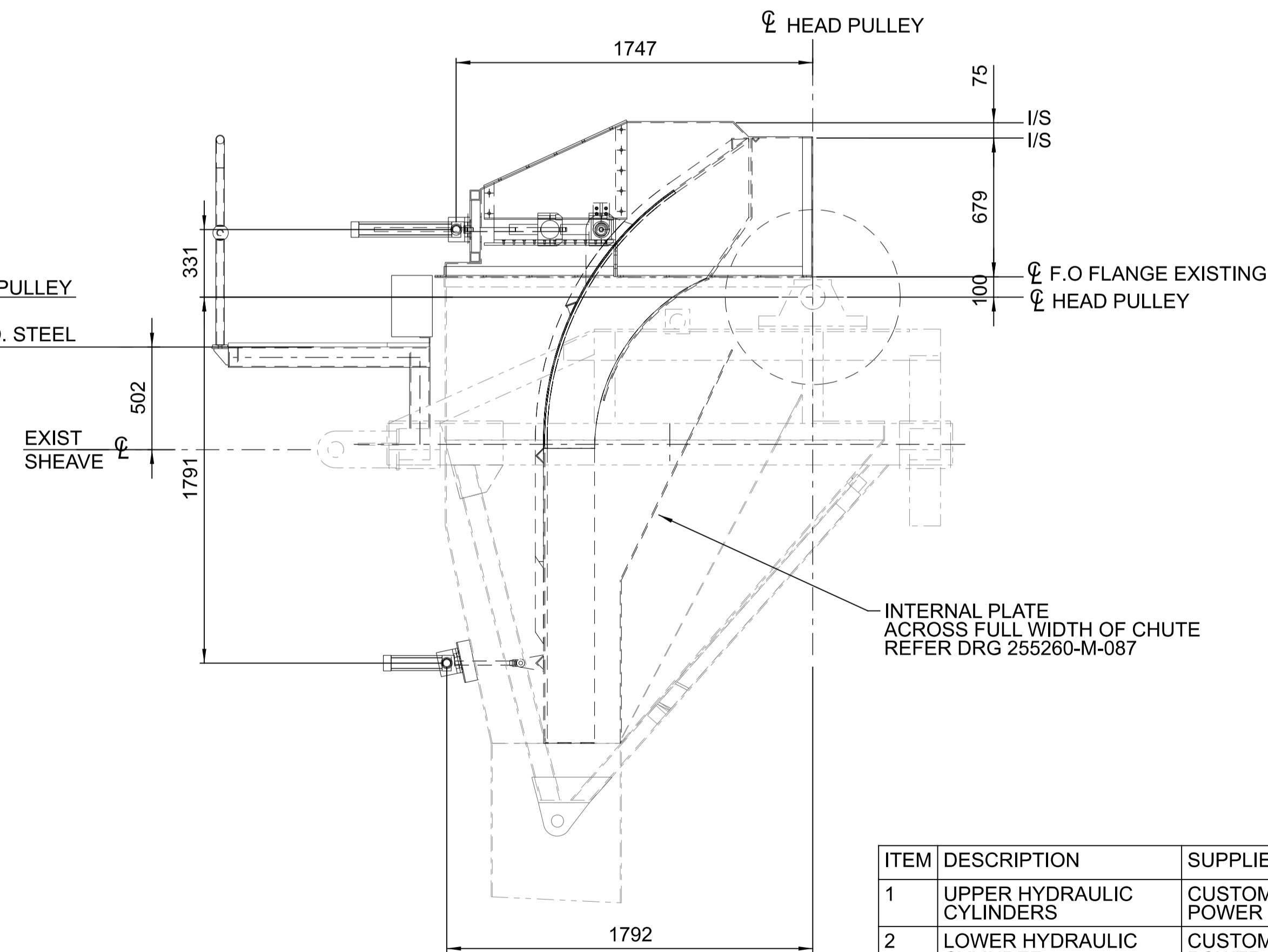
**DEFLECTOR PARTIALLY RETRACTED**  
SCALE 1:20



**DEFLECTOR EXTENDED FOR ILMENITE LOADING**  
SCALE 1:20



**HEADCHUTE GA END VIEW**  
SCALE 1:20



**HEAD CHUTE GA ELEVATION**  
SCALE 1:20

HEAD CHUTE HOOD DETAILS  
REFER DRG 255260-M-086

HYDRAULIC MAINTENANCE  
PLATFORM DETAILS  
REFER DRG 255260-M-088

FOR LOWER HEAD CHUTE  
MODIFICATION DETAILS  
REFER DRG 255260-M-087

EXISTING HEAD CHUTE



**HEAD CHUTE 3D VIEW**  
N.T.S.

ITEM	DESCRIPTION	SUPPLIER	MAKE	MODEL	SPECIFICATIONS	QTY.	UNIT
1	UPPER HYDRAULIC CYLINDERS	CUSTOM FLUID POWER	PARKER	H2 HYDRAULIC CYLINDER	STYLE D (MT1), BORE 2" (50.8mm), ROD 1" (25.4mm), ROD END STYLE 4, STROKE 455mm	2	ITEM
2	LOWER HYDRAULIC CYLINDER	CUSTOM FLUID POWER	PARKER	H2 HYDRAULIC CYLINDER	STYLE D (MT1), BORE 2" (50.8mm), ROD 1" (25.4mm), ROD END STYLE 4, STROKE 250mm COMPLETE WITH FEMALE ROD CLEVIS (PART NO. 50942G) AND CLEVIS PIN (PART NO. 86369)	1	ITEM
3	HYDRAULIC CONTROL UNIT	CUSTOM FLUID POWER	N/A	N/A	HYDRAULIC SYSTEM CONTROL VALVE MANIFOLD WITH ENCLOSURE. SUITABLE PROVISIONS FOR CONNECTION OF RELOCATABLE HAND PUMP.	1	ITEM

REV	DATE	REVISION DETAILS	DRN	DES	APP	REFERENCE DRAWINGS	REF NUMBER
0	15/10/21	ISSUED FOR CONSTRUCTION	N.M	M.F	G.H.		



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DRAWN	N.MOBSBY	15/10/21
DESIGN	M.FREND0	15/10/21
VERIFY	L.WILLIAMS	15/10/21
APPROVED	G.HARGREAVES	15/10/21

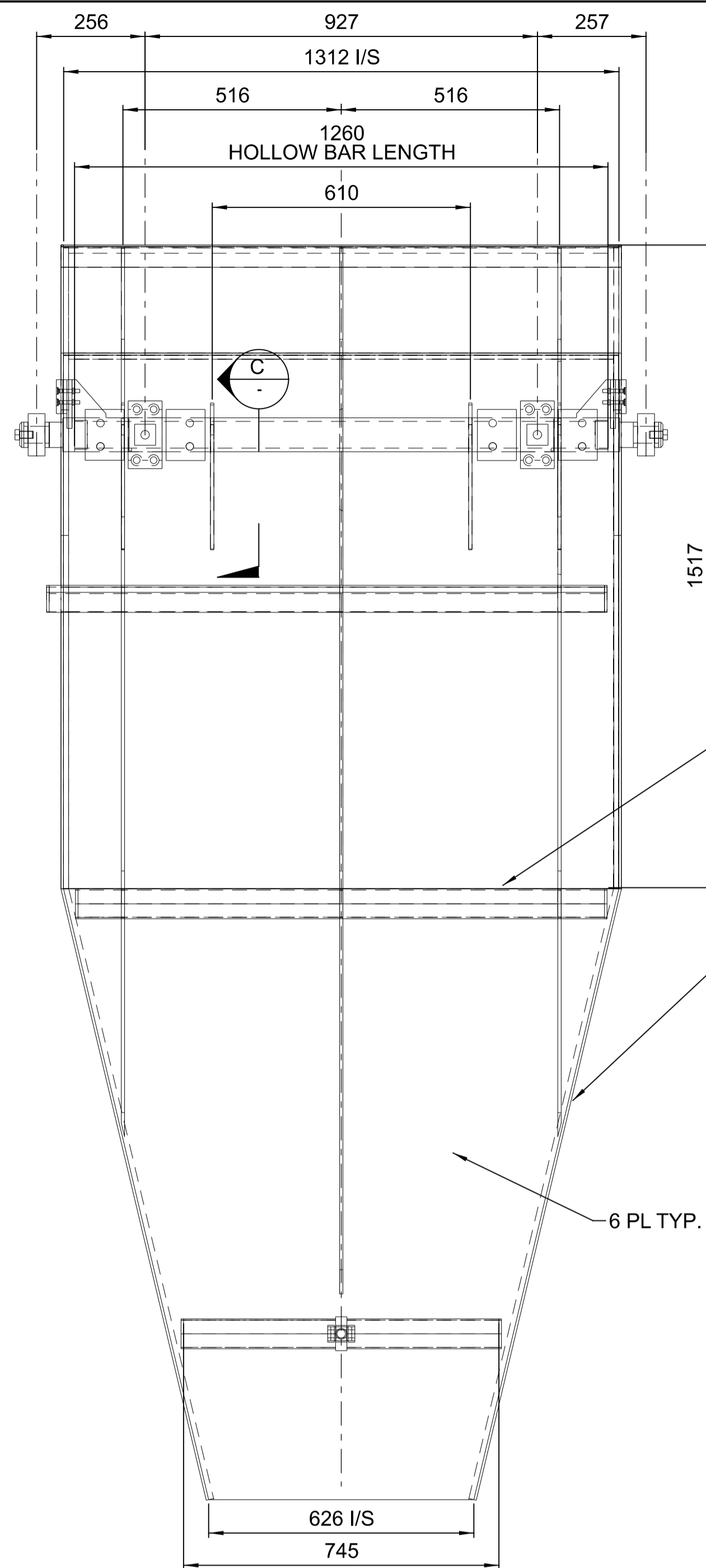
**FOR CONSTRUCTION**

PORT OF BUNDABERG COMMON USER INFRASTRUCTURE  
SHIPLOADER  
CONVEYOR C11 HEAD CHUTE  
NEW DEFLECTOR  
GENERAL ARRANGEMENT

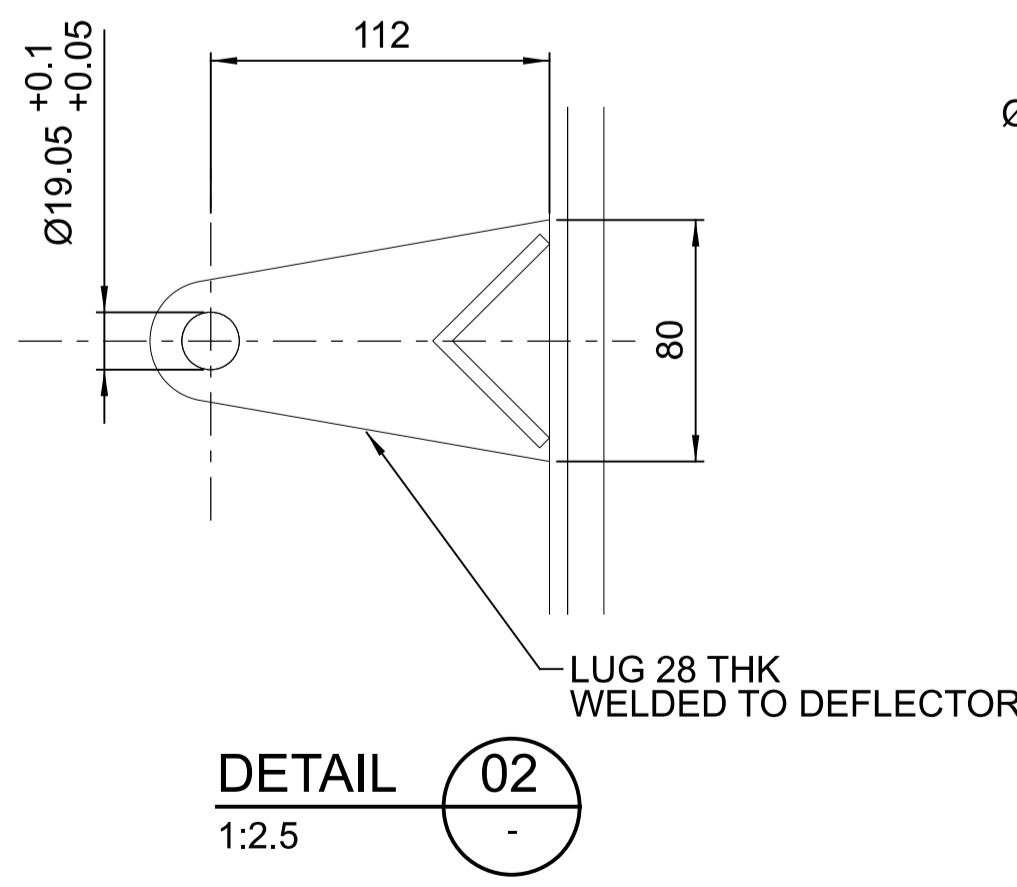
DRAWING No.

**255260-M-084**

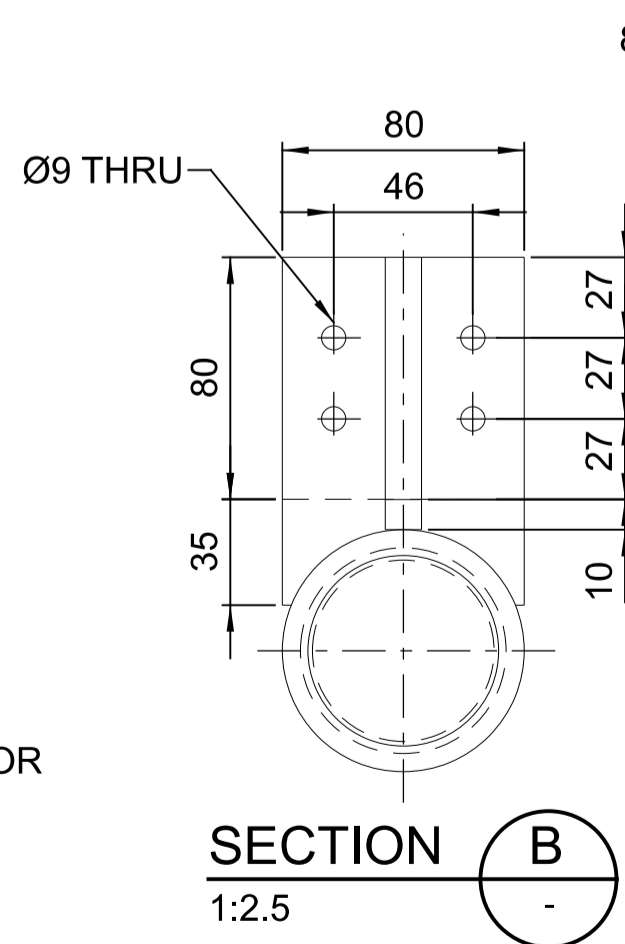
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AS NOTED	0	A1



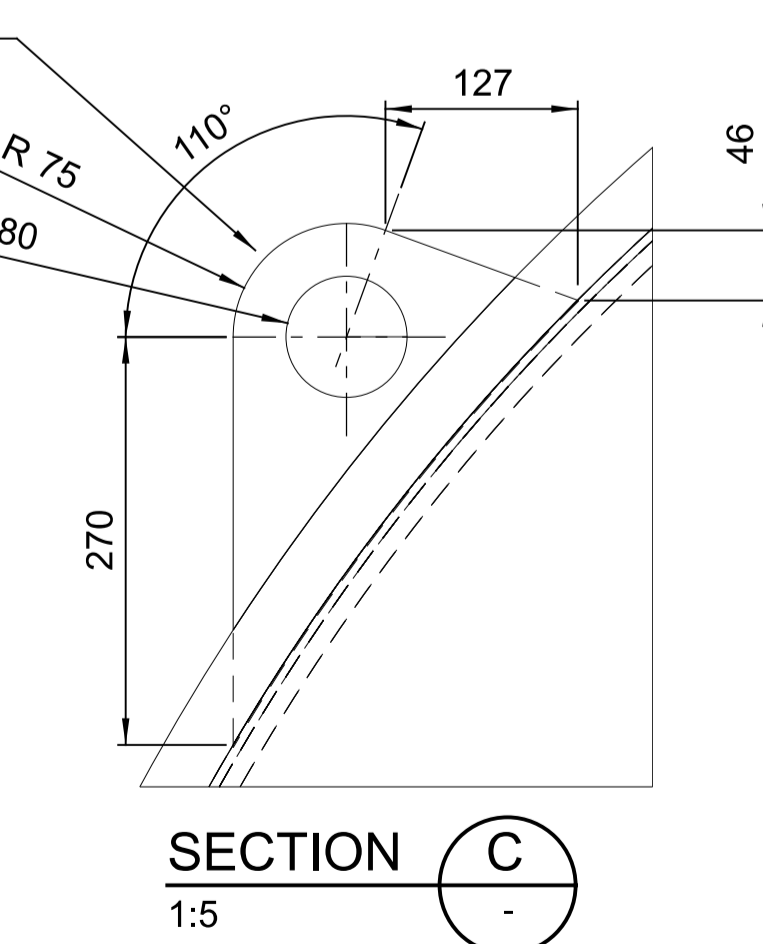
**FRONT VIEW - DEFLECTOR**  
SCALE 1:10



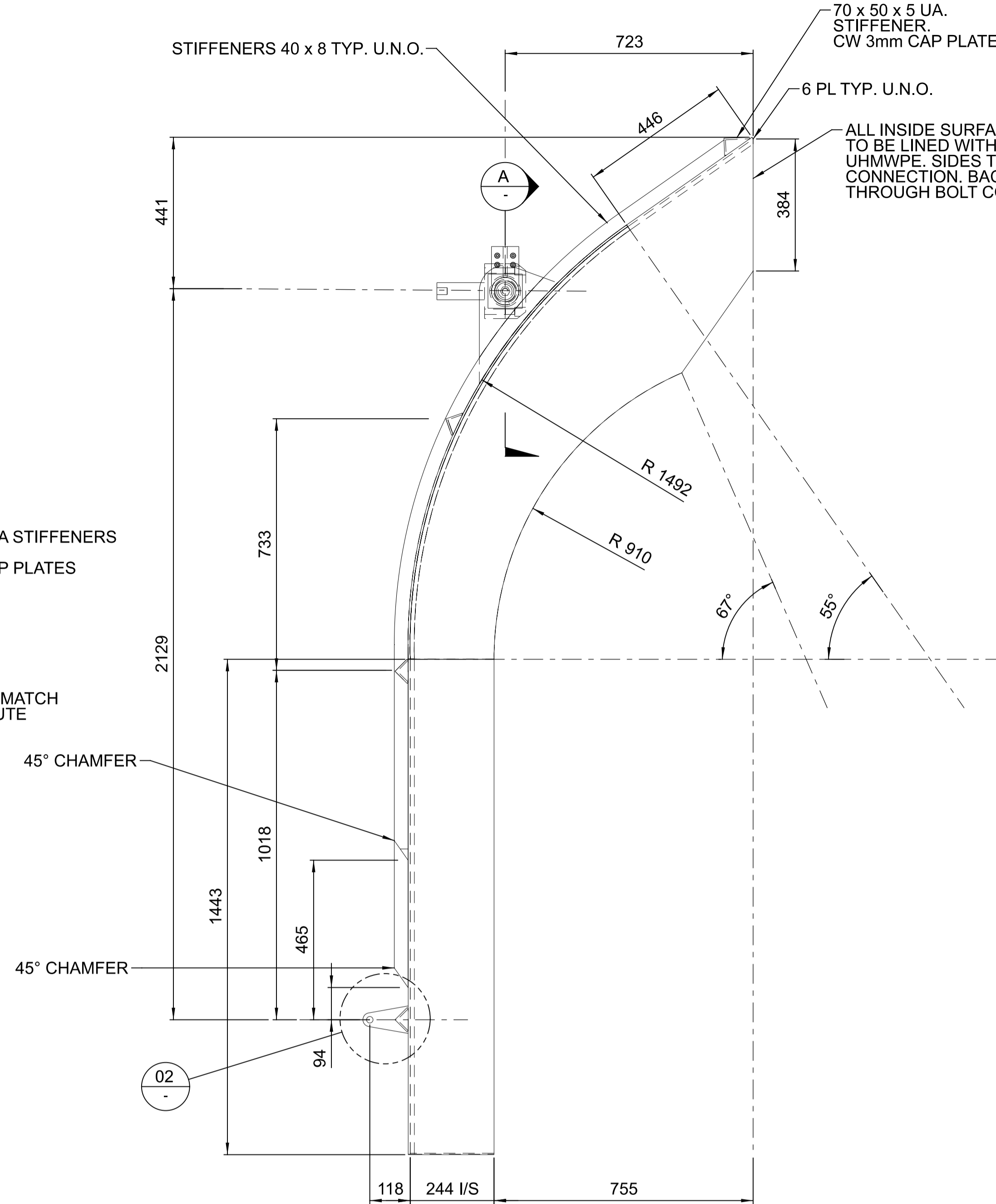
**DETAIL 02**  
1:2.5



**SECTION B**  
1:2.5



**SECTION C**  
1:5



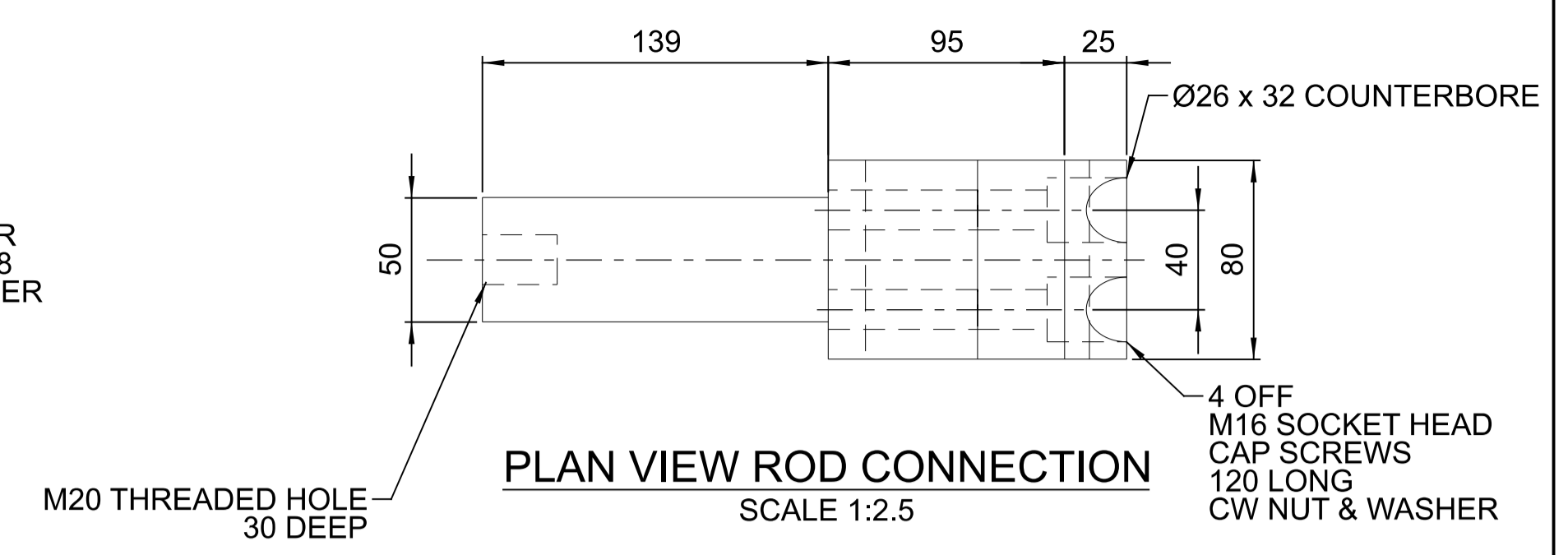
**SIDE ELEVATION DEFLECTOR**  
SCALE 1:10

70 x 50 x 5 UA. STIFFENER, CW 3mm CAP PLATE  
6 PL TYP. U.N.O.  
ALL INSIDE SURFACES OF DEFLECTOR TO BE LINED WITH 12mm THK TIVAR 88 UHMWPE. SIDES TO USE WELD WASHER CONNECTION. BACK FACE TO USE THROUGH BOLT CONNECTION.

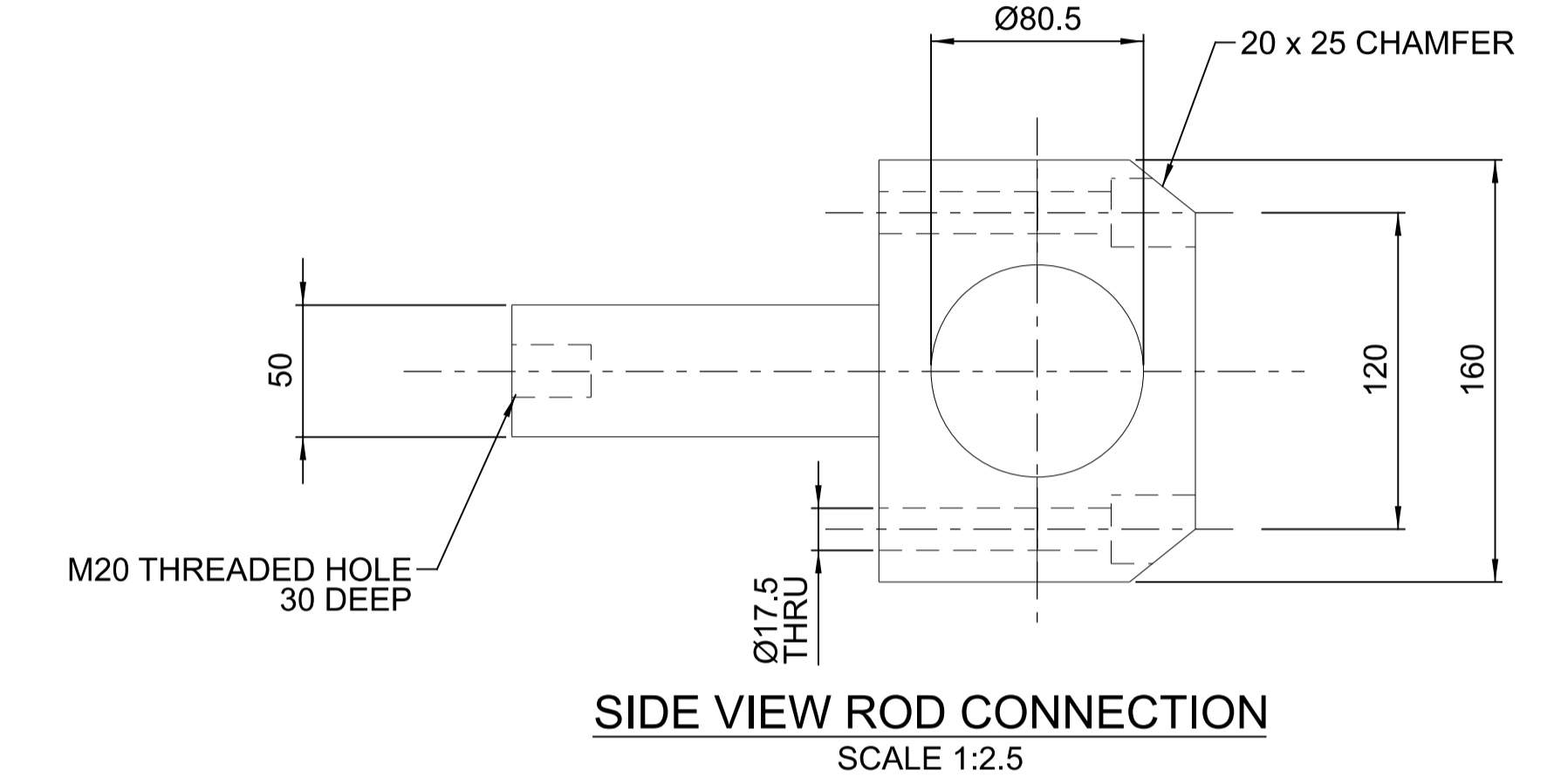
50 x 50 x 5 EA STIFFENERS TYP. U.N.O. CW 3mm CAP PLATES

SIDES TO MATCH HEAD CHUTE

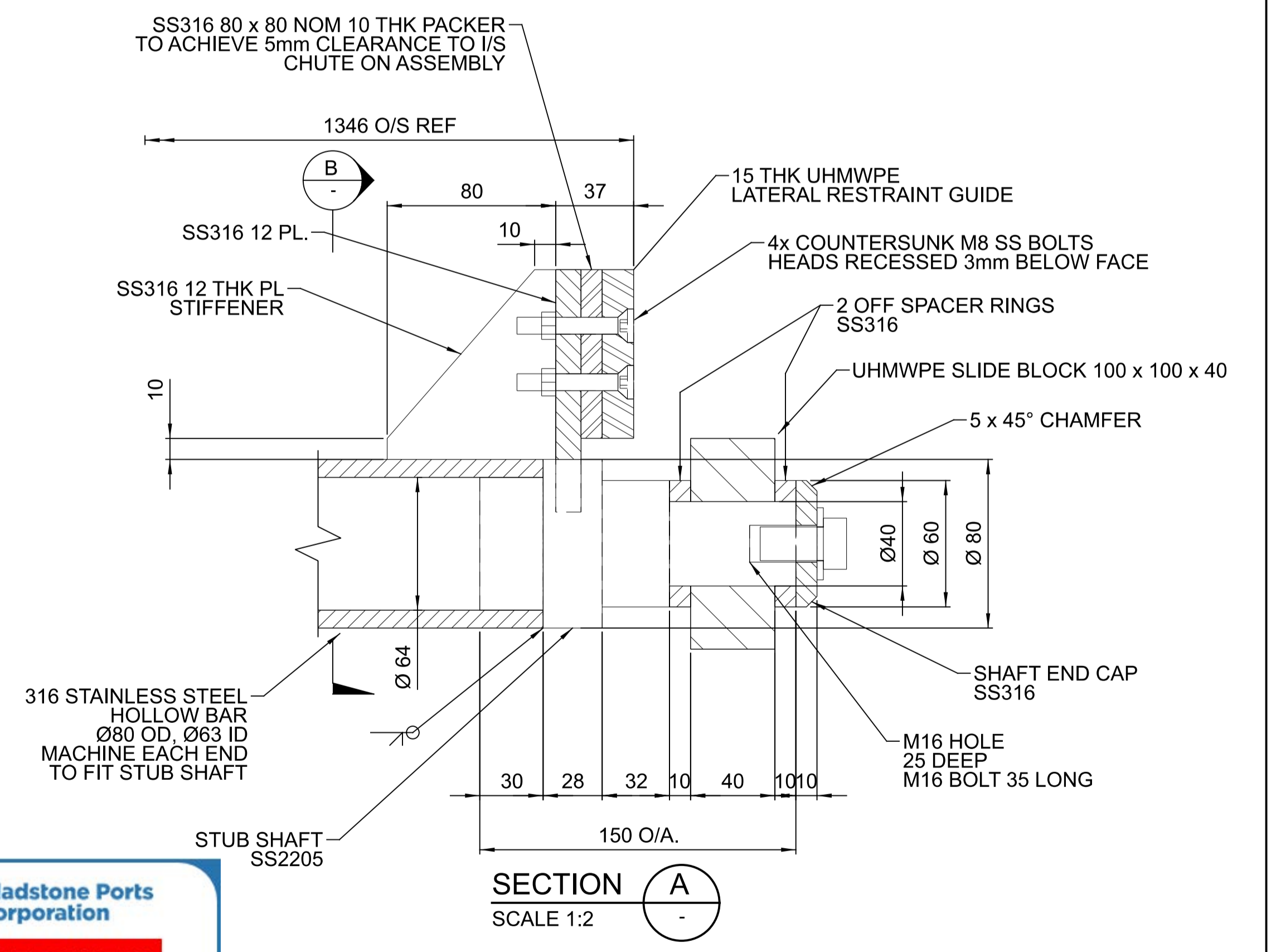
6 PL TYP. U.N.O.



**PLAN VIEW ROD CONNECTION**  
SCALE 1:2.5



**SIDE VIEW ROD CONNECTION**  
SCALE 1:2.5



**SECTION A**  
SCALE 1:2

**NOTES:**  
1. FOR STANDARD NOTES REFER DRAWING 255000-STD-001.

**Gladstone Ports Corporation**  
**APPROVED**  
Name: Erin Clark  
Date: 12:26pm 27/04/2022

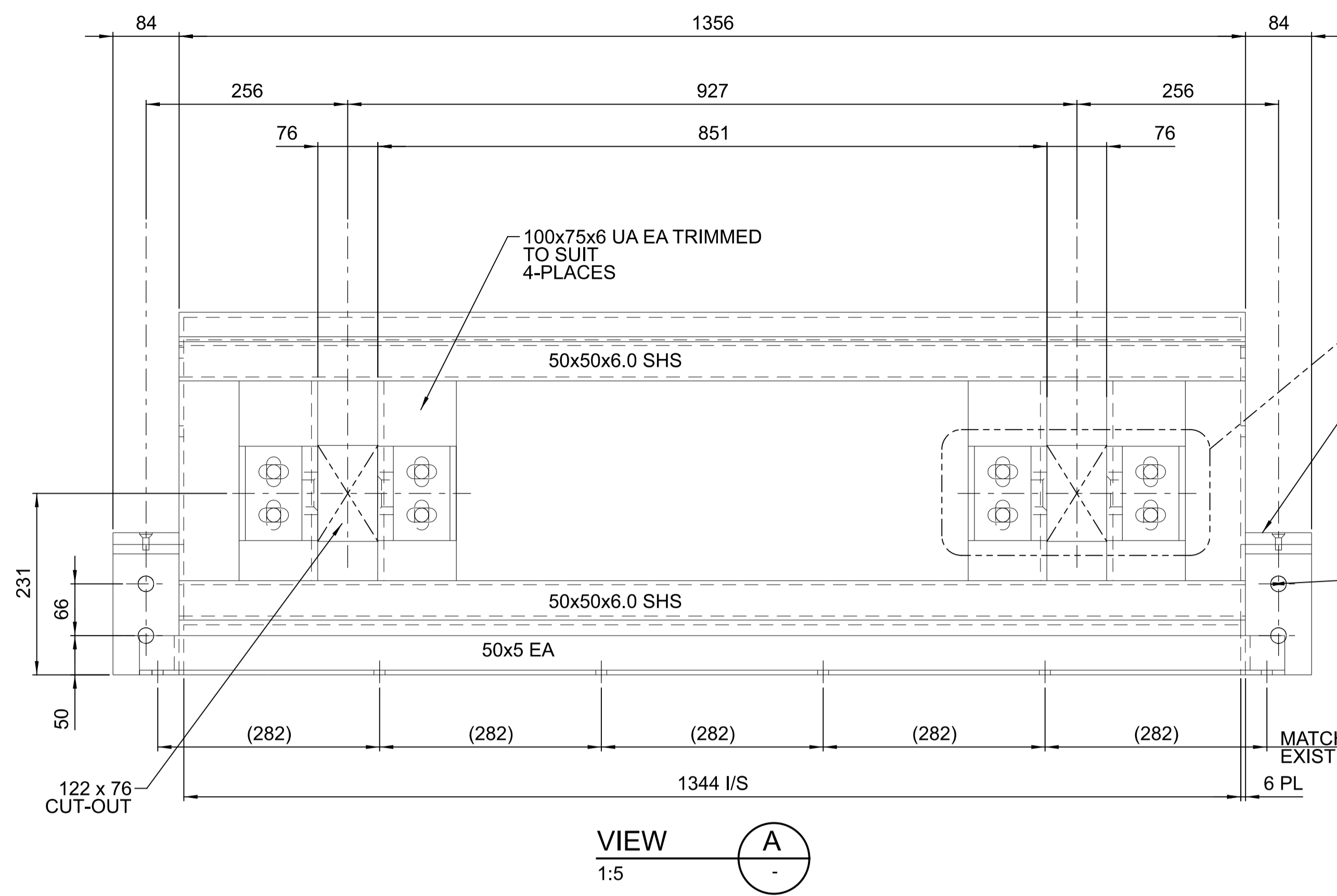
REV	DATE	ISSUED FOR CONSTRUCTION	DRN	DES	APP	REFERENCE DRAWINGS	REF NUMBER
0	15.10.21	ISSUED FOR CONSTRUCTION	N.M	M.F	G.H.		

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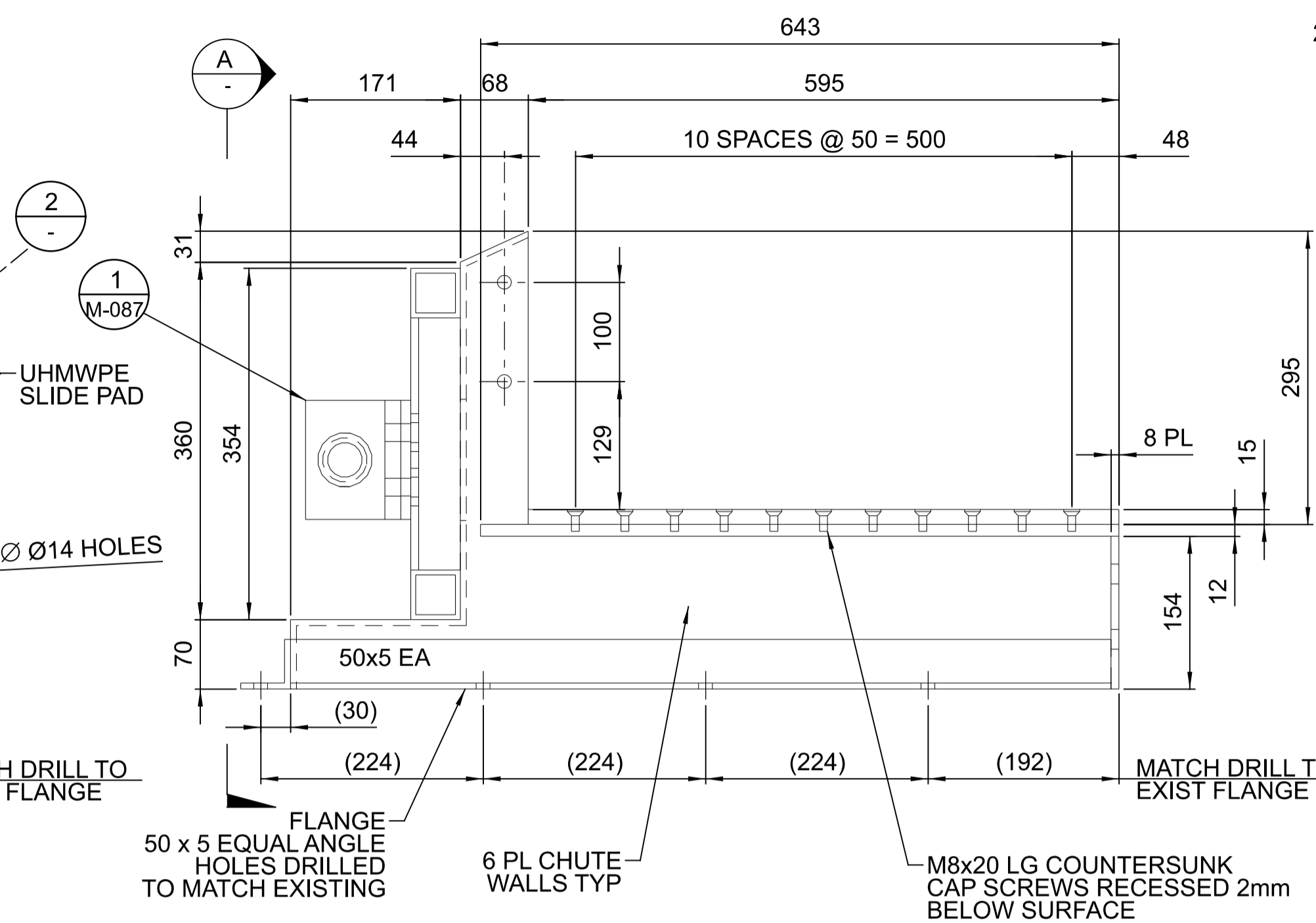
DRAWN	N.MOBSBY	15.10.21
DESIGN	M.FRENDO	15.10.21
VERIFY	L.WILLIAMS	15.10.21
APPROVED	G.HARGREAVES	15.10.21

**FOR CONSTRUCTION**

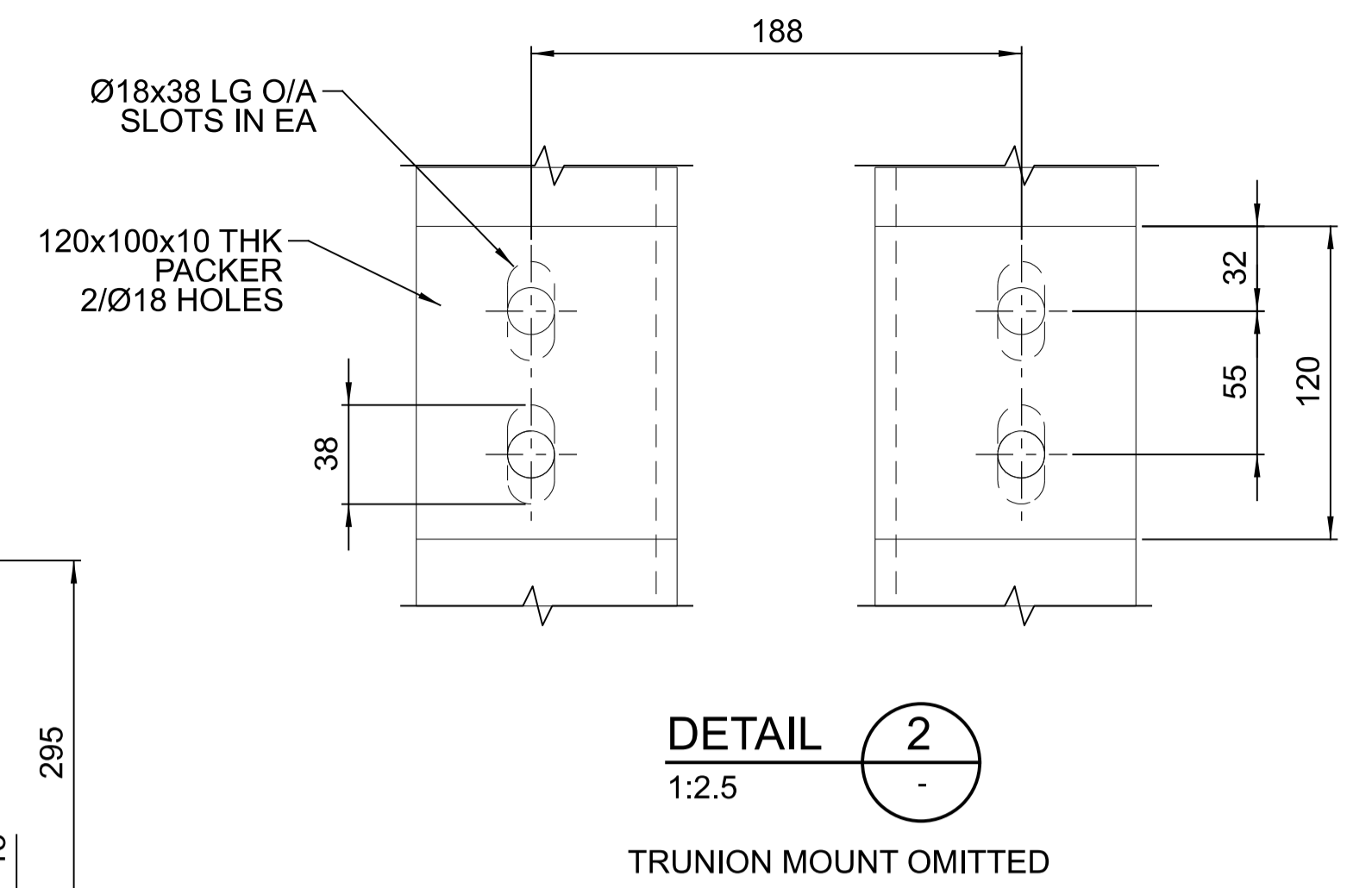
PORT OF BUNDABERG COMMON USER INFRASTRUCTURE		DRAWING No.
SHIPLOADER		<b>255260-M-085</b>
CONVEYOR C11 HEAD CHUTE		
NEW DEFLECTOR DETAILS		SCALE AS NOTED
		REV 0
		A1



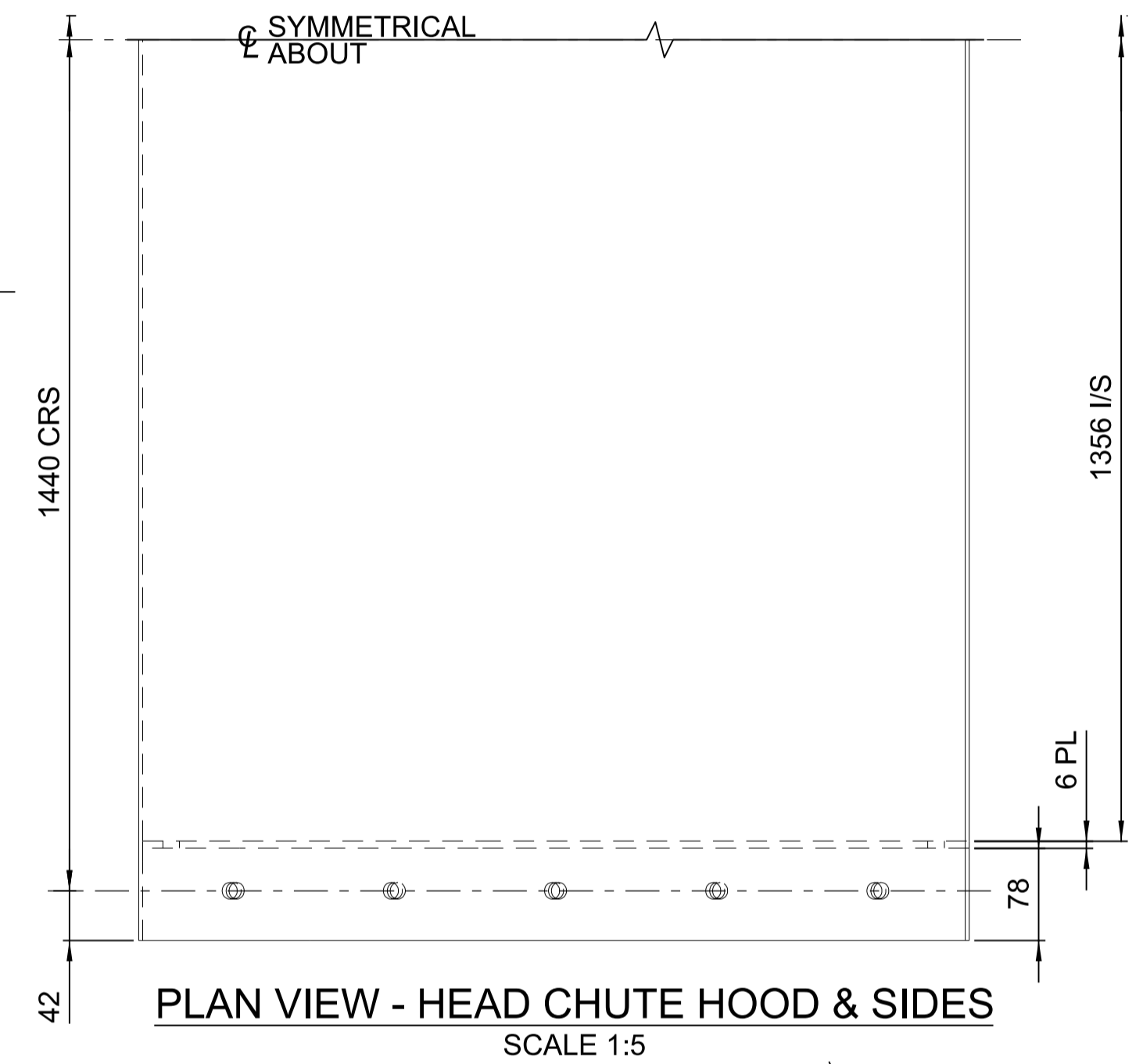
**VIEW A**  
SCALE 1:5



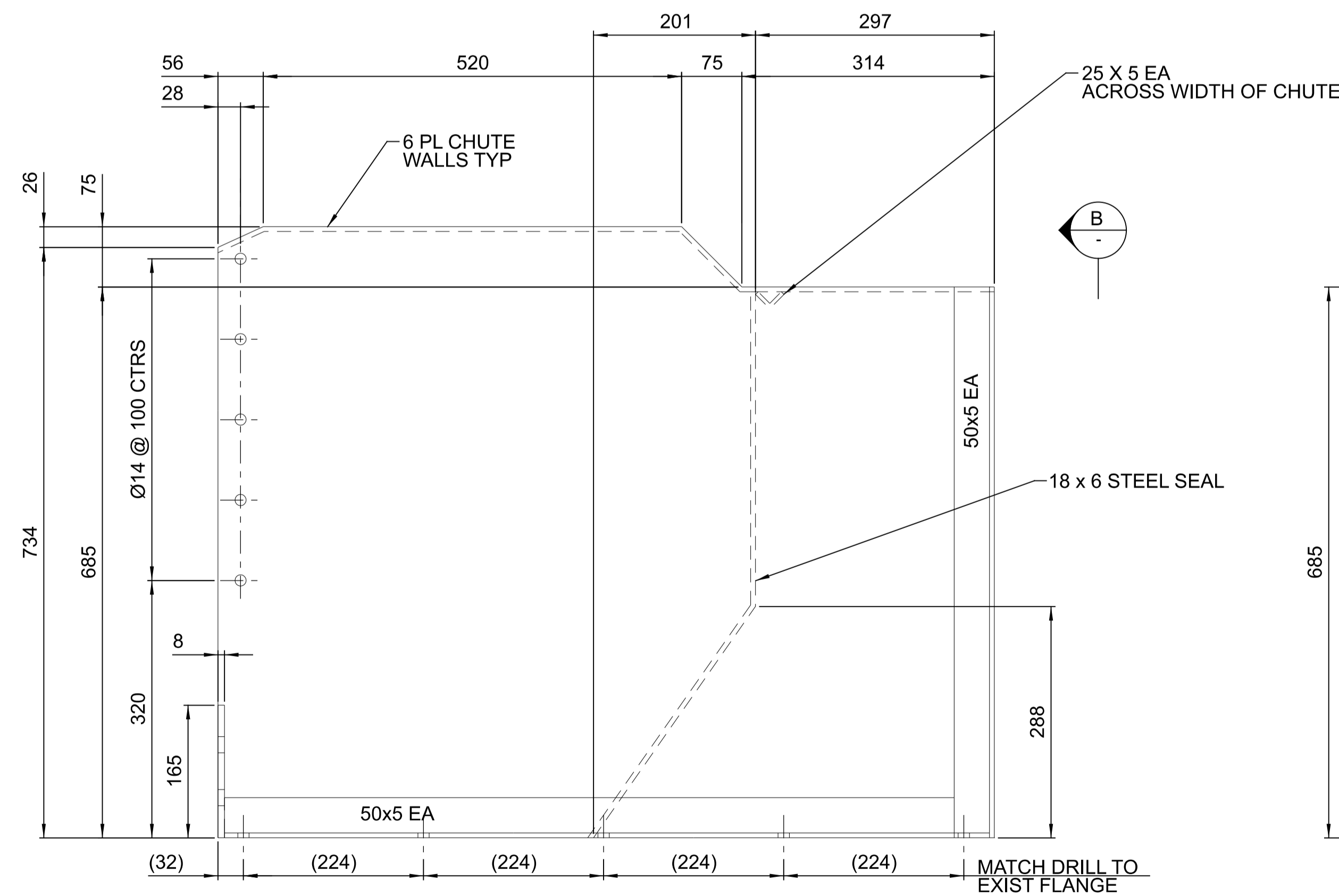
**ELEVATION - HEAD CHUTE FRONT**  
SCALE 1:5



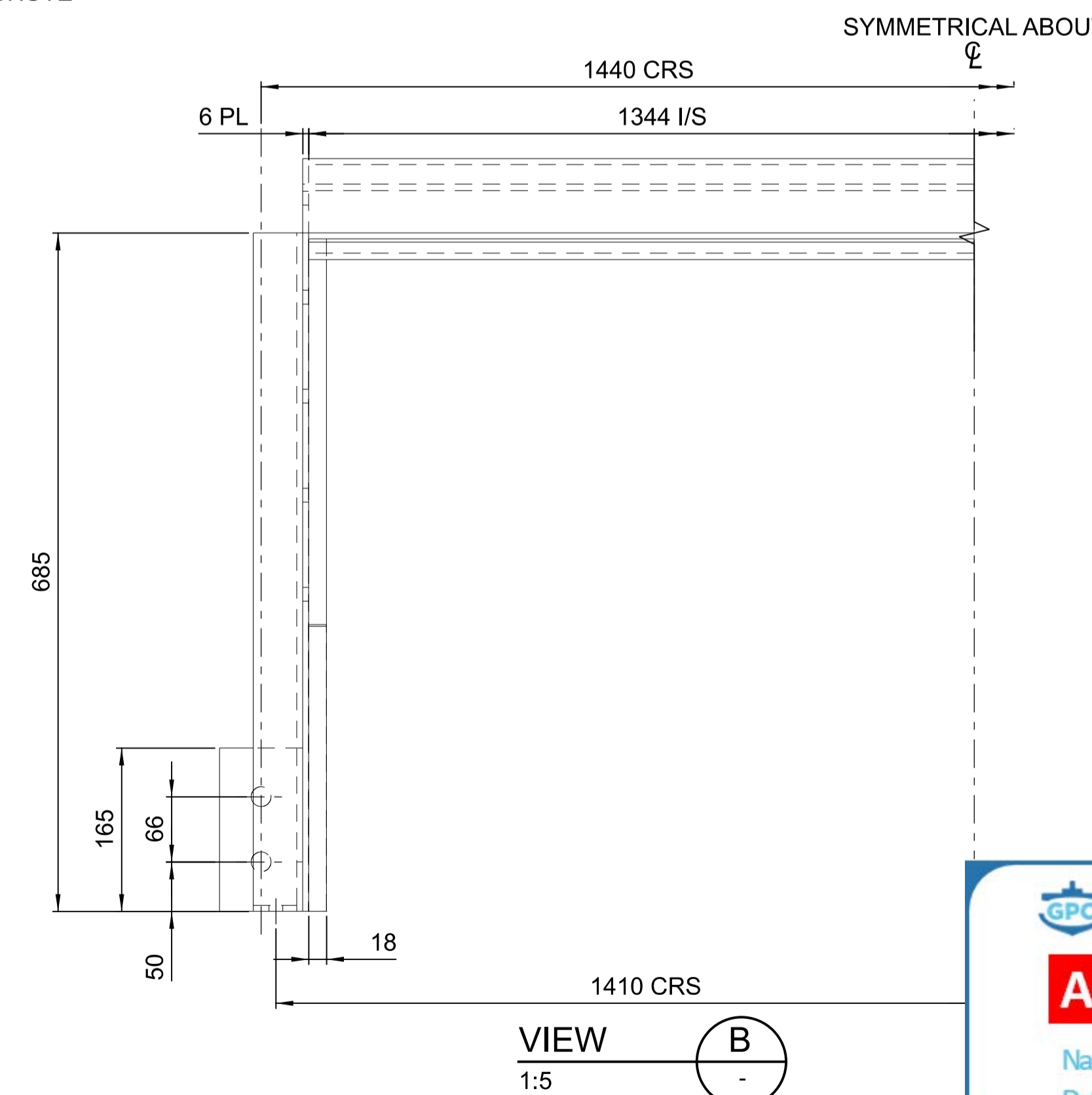
**DETAIL 2**  
SCALE 1:2.5  
TRUNION MOUNT OMITTED



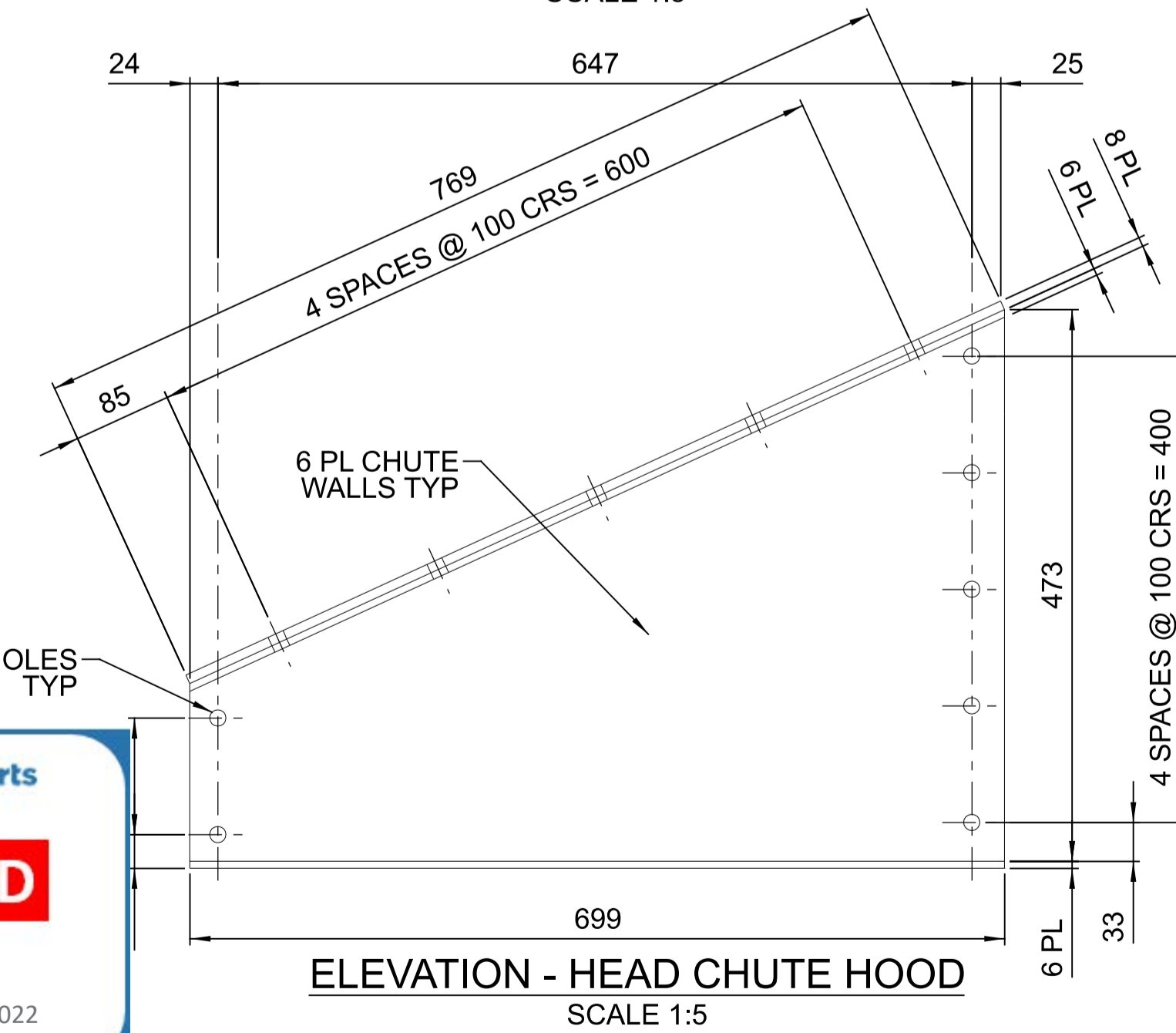
**PLAN VIEW - HEAD CHUTE HOOD & SIDES**  
SCALE 1:5



**ELEVATION - HEAD CHUTE BACK**  
SCALE 1:5



**VIEW B**  
SCALE 1:5



**ELEVATION - HEAD CHUTE HOOD**  
SCALE 1:5

**NOTES:**  
1. FOR STANDARD NOTES REFER DRAWING 255000-STD-001



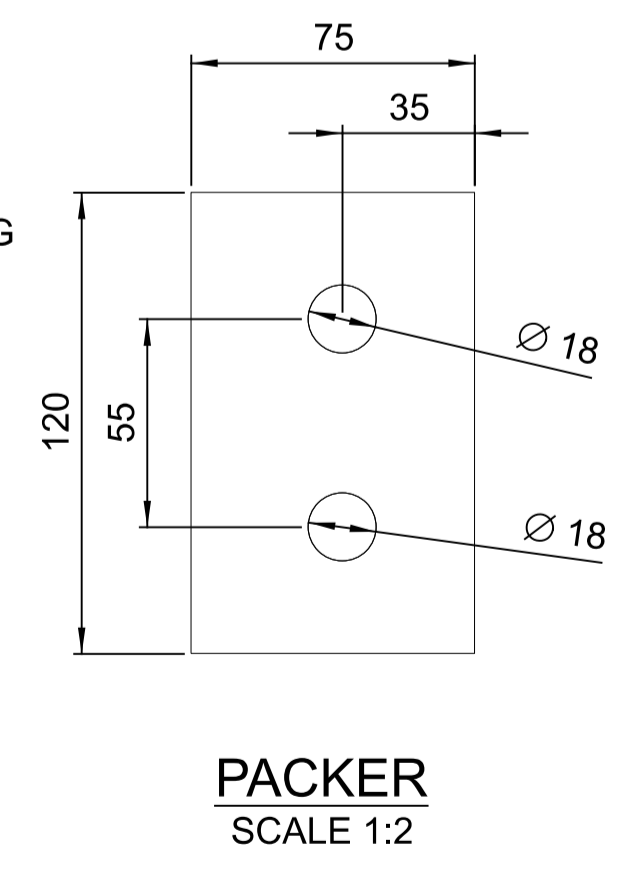
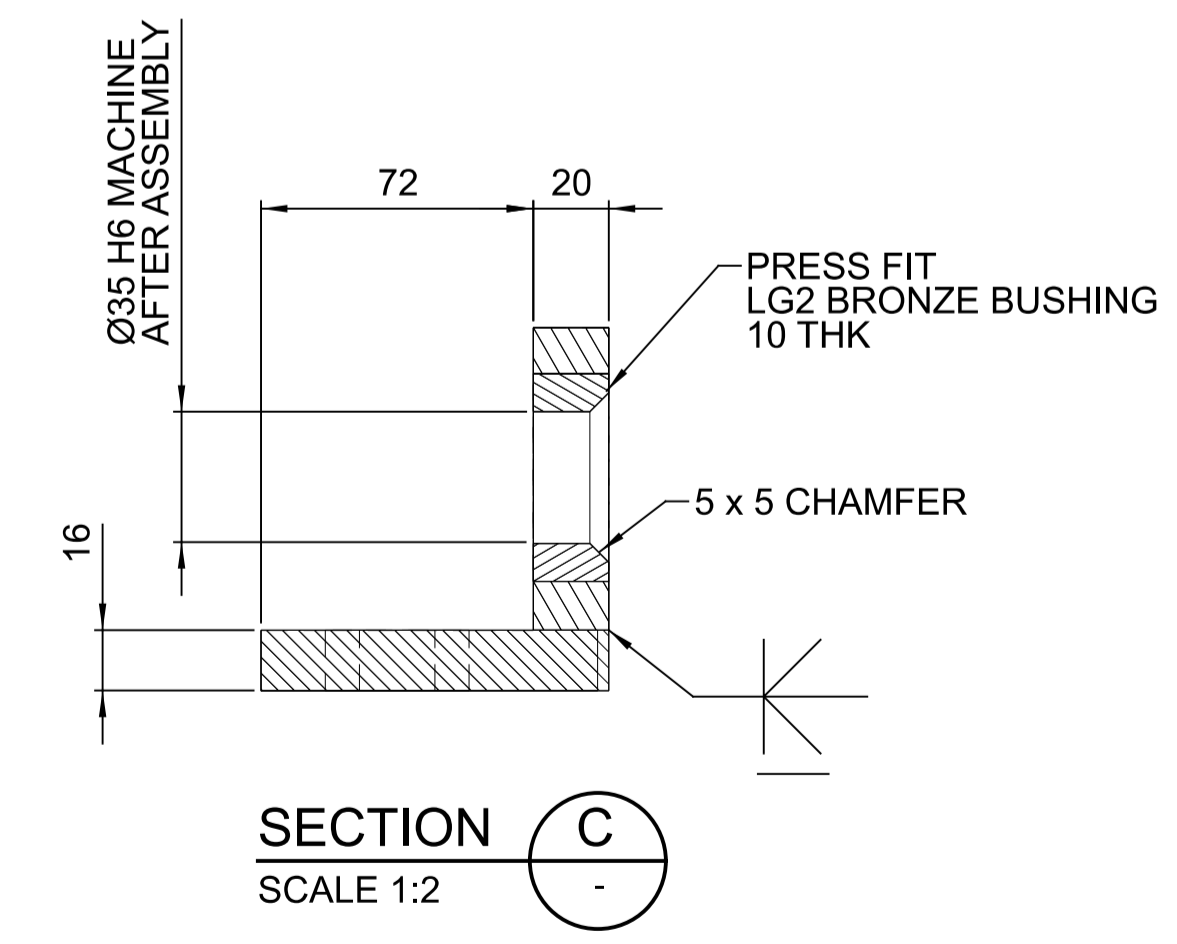
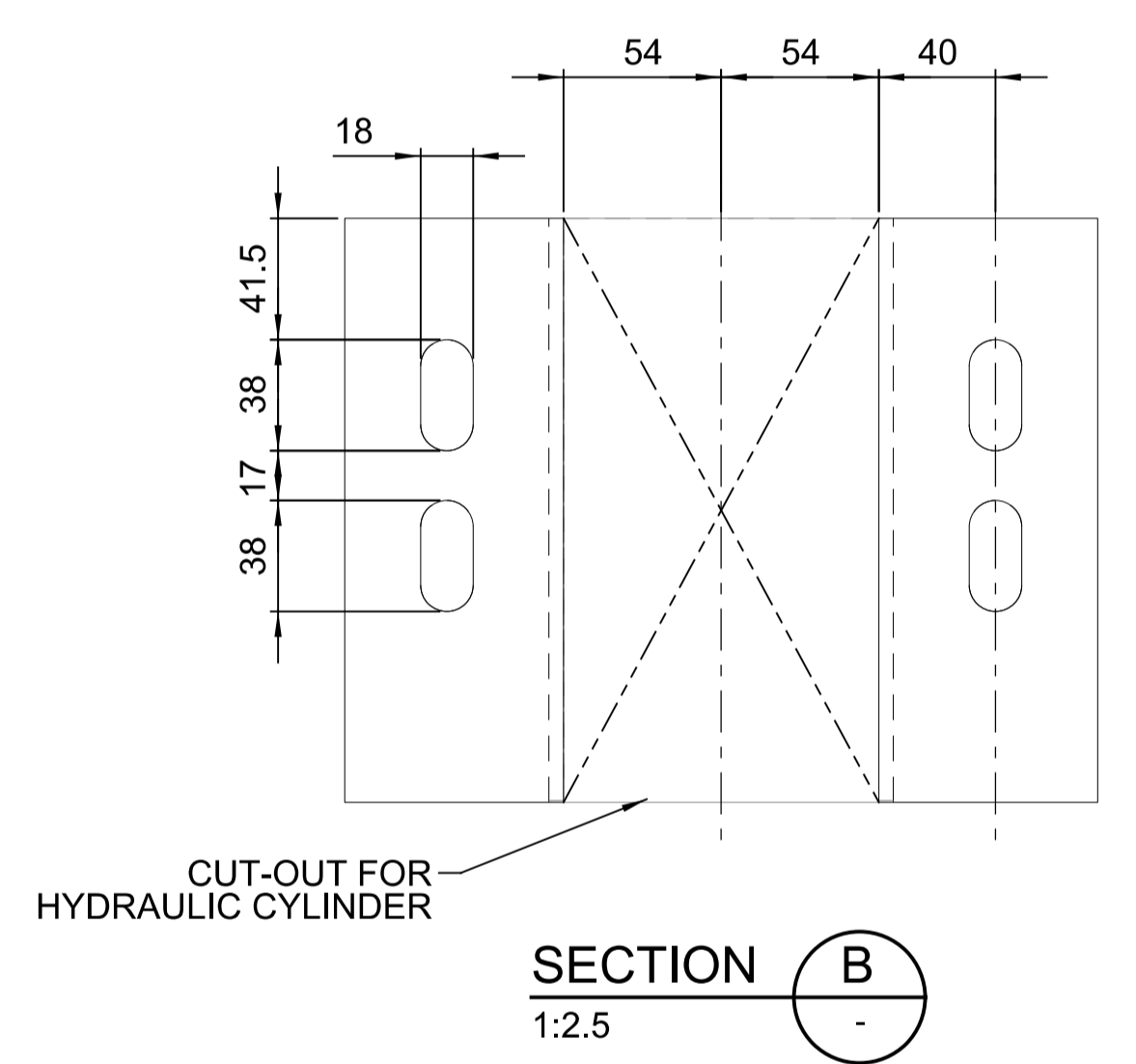
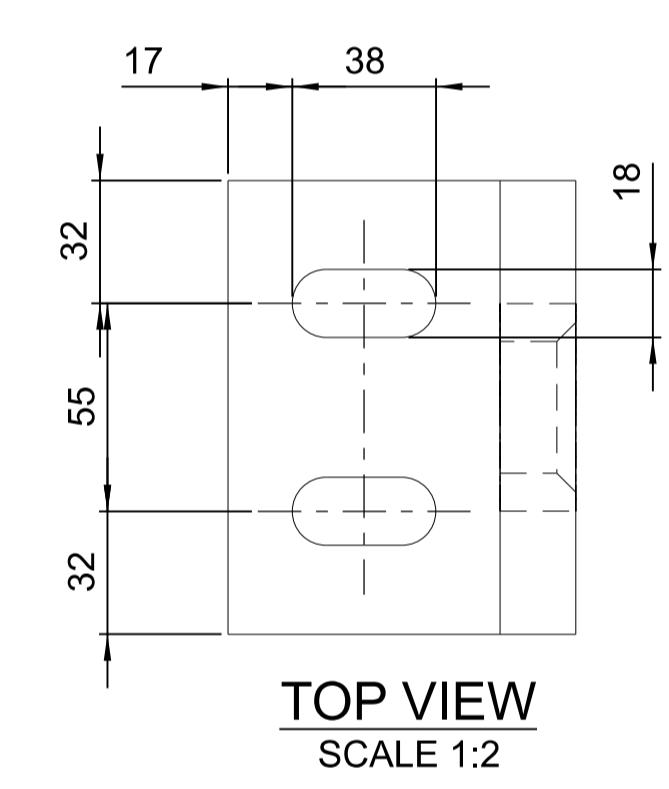
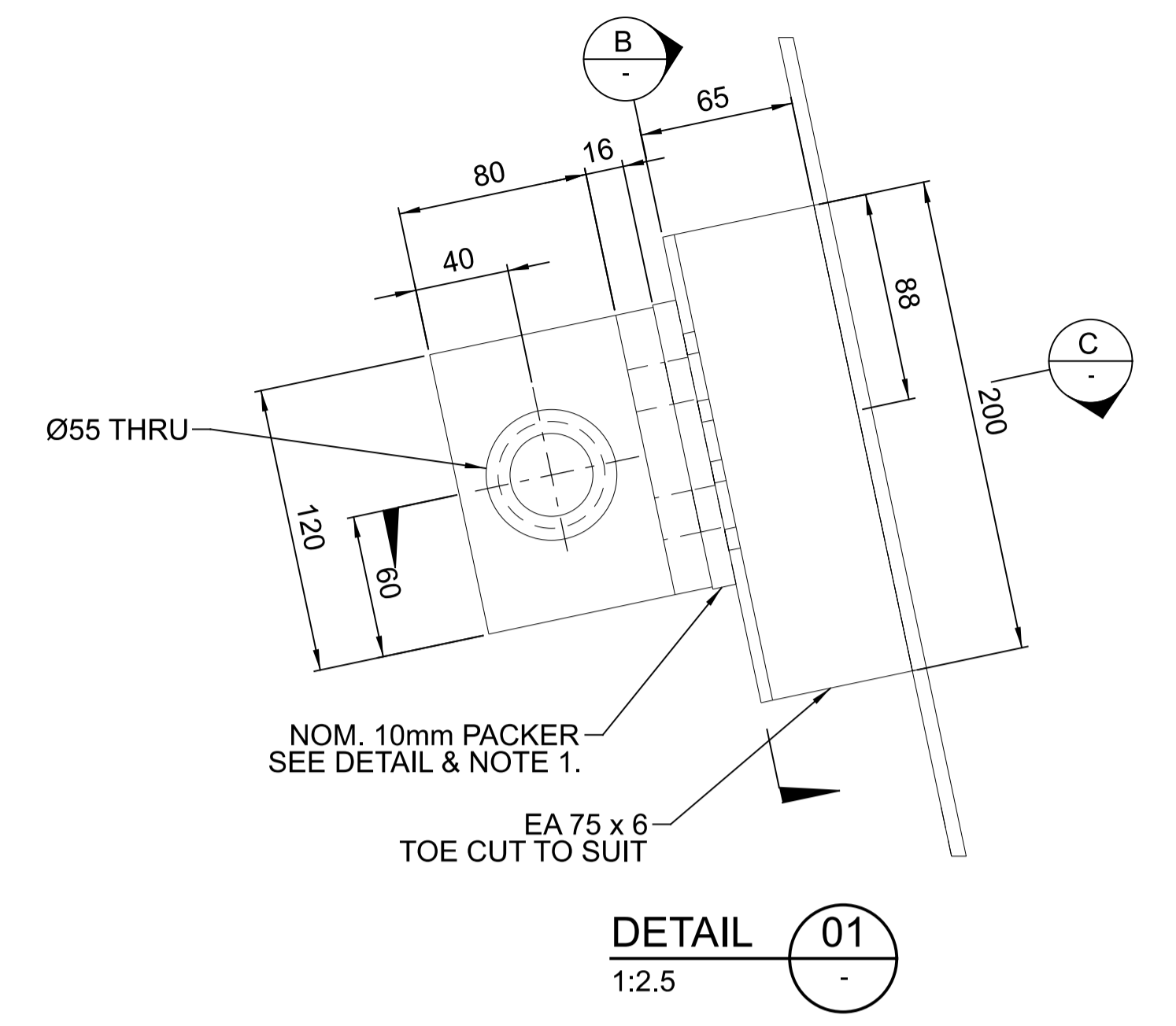
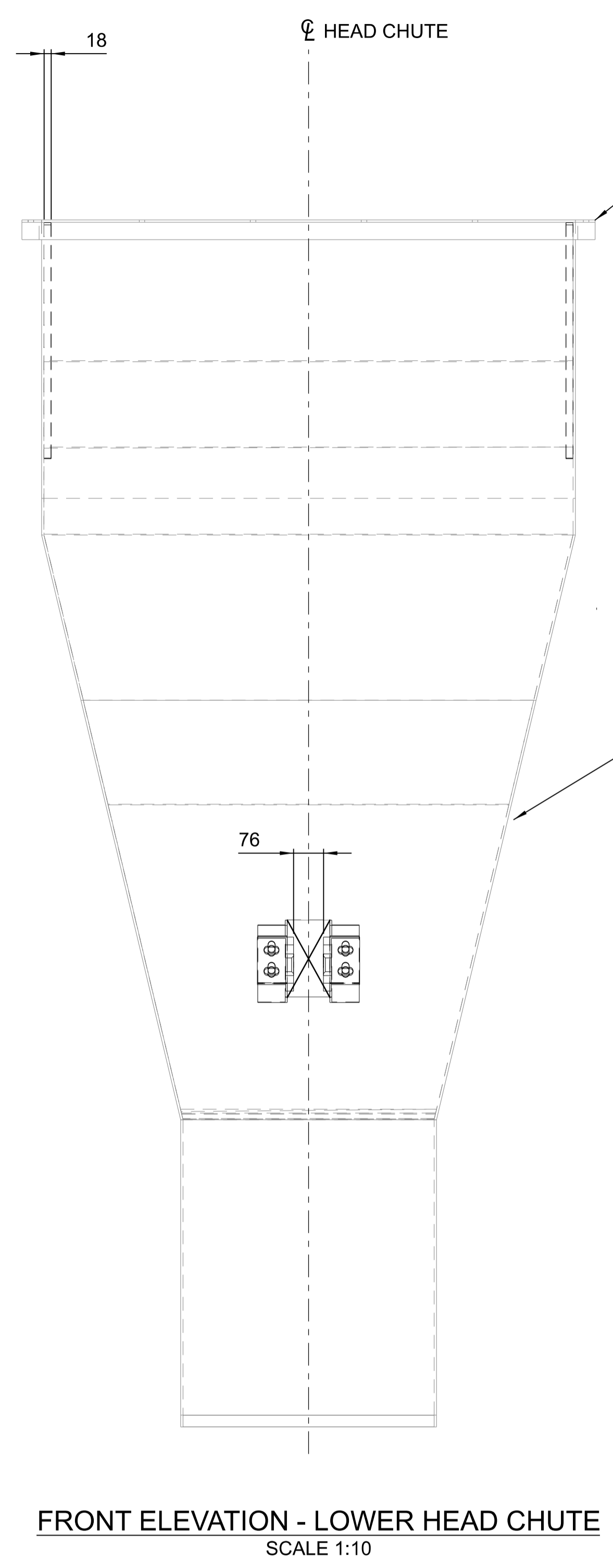
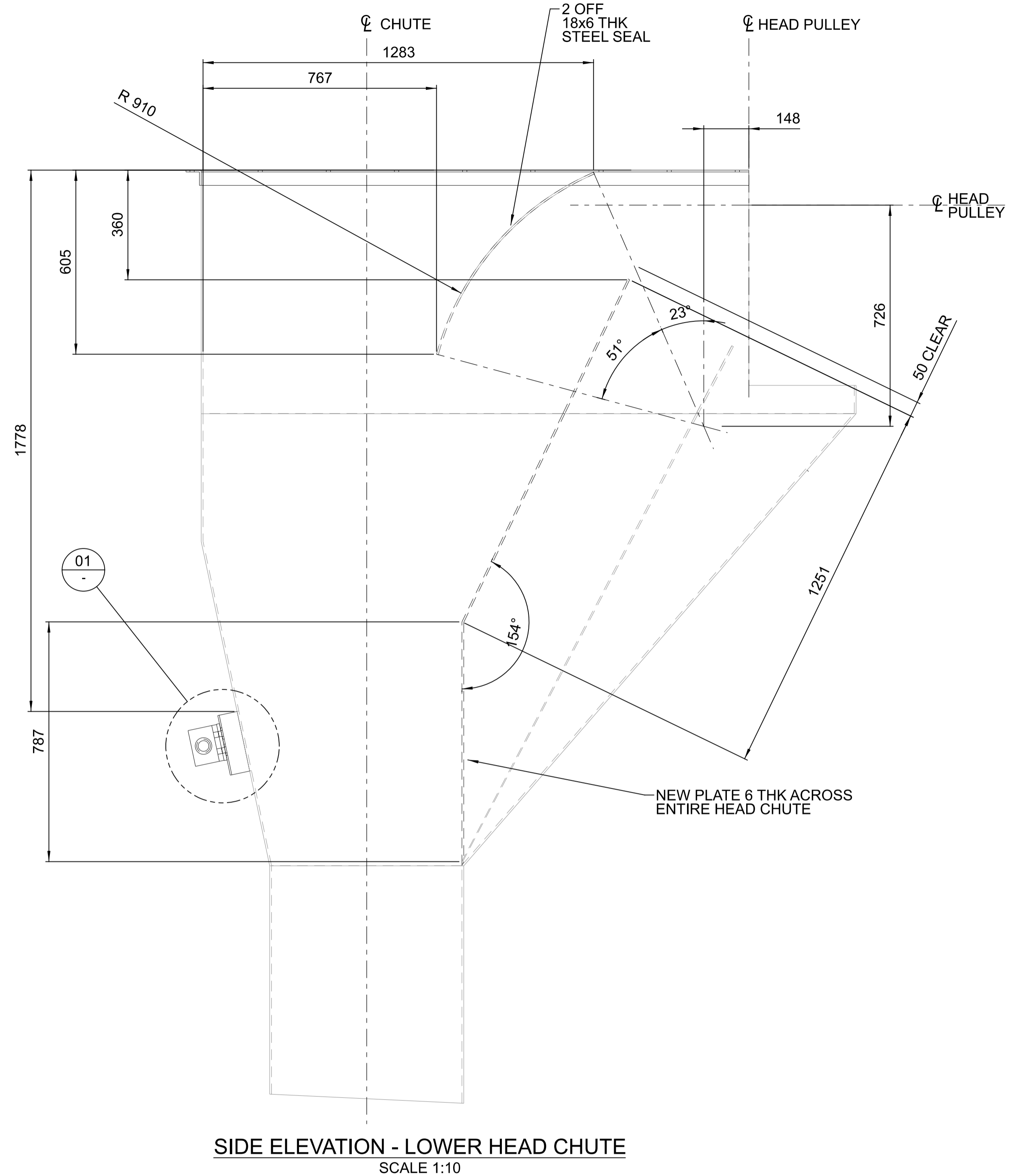
REV	DATE	REVISION DETAILS	DRN	DES	APP	REFERENCE DRAWINGS	REF NUMBER
0	15.10.21	ISSUED FOR CONSTRUCTION	N.M	M.F	G.H.		



DRAWN	N.MOBSBY	15.10.21
DESIGN	M.FRENDI	15.10.21
VERIFY	L.WILLIAMS	15.10.21
APPROVED	G.HARGREAVES	15.10.21

PORT OF BUNDABERG COMMON USER INFRASTRUCTURE  
SHIPLOADER  
CONVEYOR C11 HEAD CHUTE  
MODIFICATIONS HEAD CHUTE TOP  
DETAILS

DRAWING No.	
<b>255260-M-086</b>	
SCALE AS NOTED	REV 0 A1



**NOTES:**  
 1. THICKNESS OF PACKER TO BE DETERMINED ON ASSEMBLY TO ACHIEVE SET-OUT AS DETAILED IN DRAWING M-084  
 2. FOR STANDARD NOTES REFER DRAWING 255000-STD-001  
 3. ALL EQUIPMENT DIMENSIONS SHALL BE CONFIRMED WITH CERTIFIED VENDOR INFORMATION



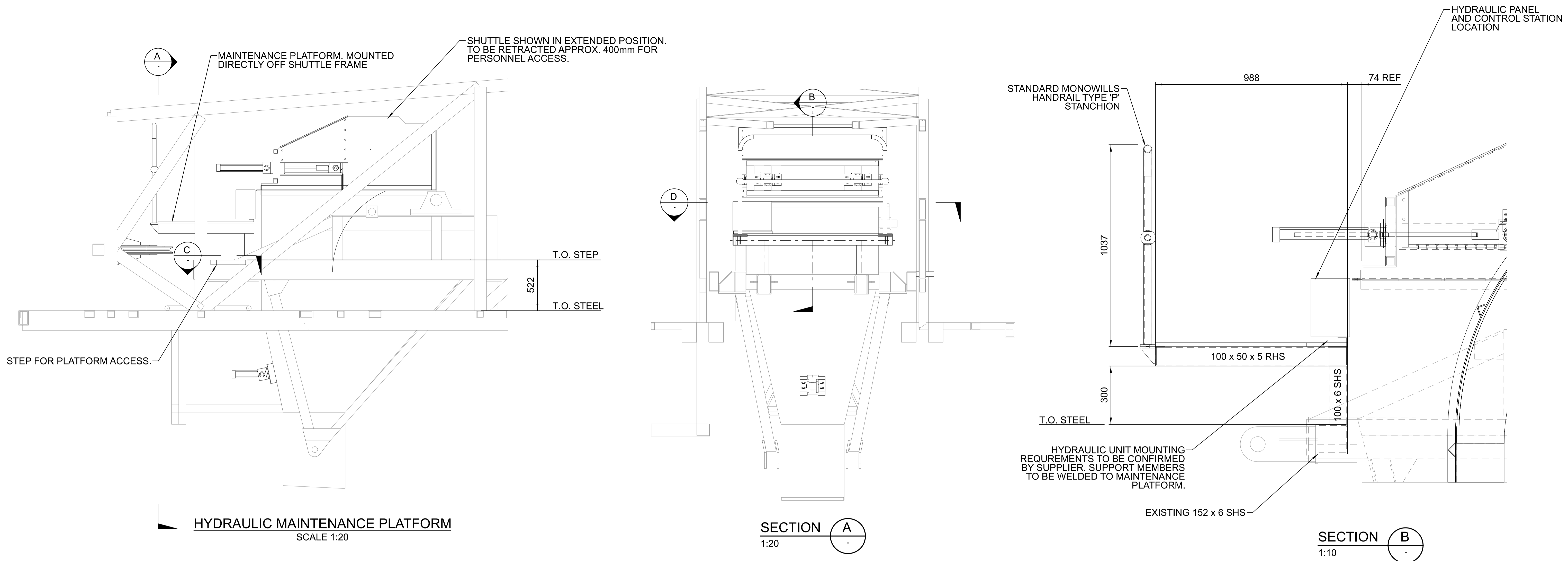
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0	15/10/21	ISSUED FOR CONSTRUCTION	N.M	M.F	G.H		



DRAWN	N.MOBSBY	15.10.21
DESIGN	M.FREND0	15/10/21
VERIFY	L.WILLIAMS	15/10/21
APPROVED	G.HARGREAVES	15/10/21

PORT OF BUNDABERG COMMON USER INFRASTRUCTURE  
 SHIPLOADER  
 CONVEYOR C11 HEAD CHUTE LOWER  
 LOWER CHUTE MODIFICATIONS  
 DETAILS

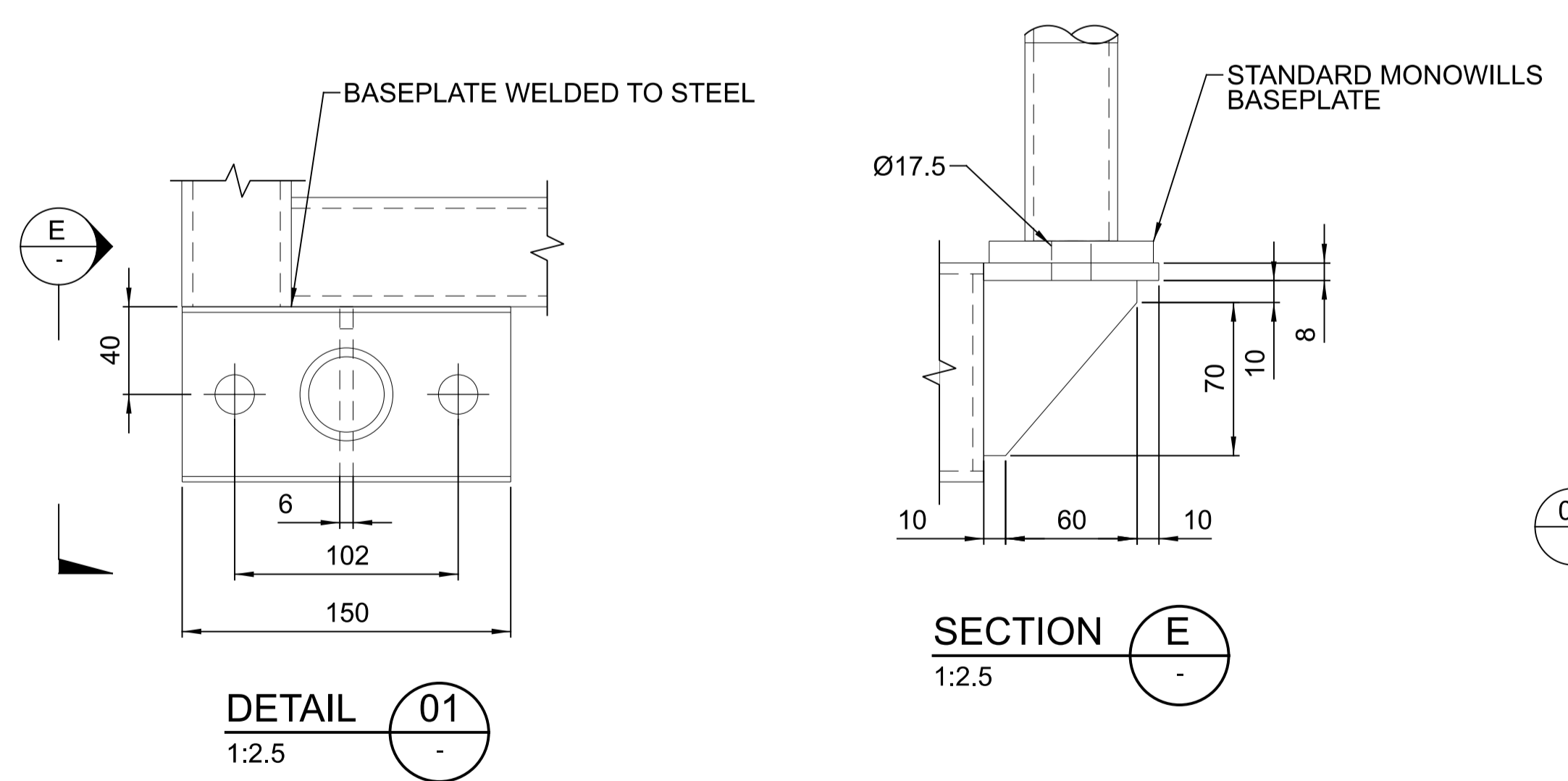
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SCALE AS NOTED	REV 0 A1



**HYDRAULIC MAINTENANCE PLATFORM**  
SCALE 1:20

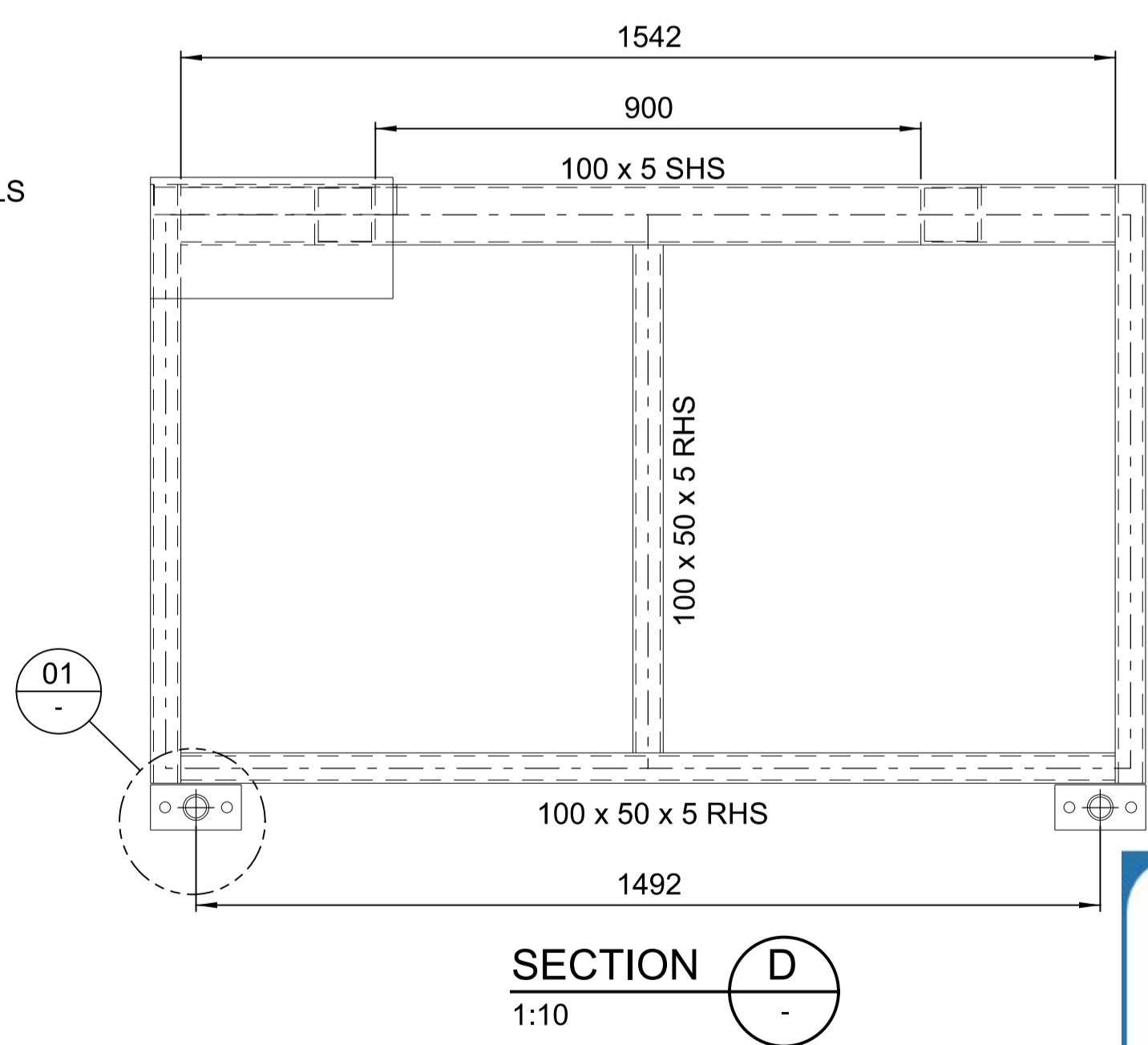
**SECTION A**  
1:20

**SECTION B**  
1:10

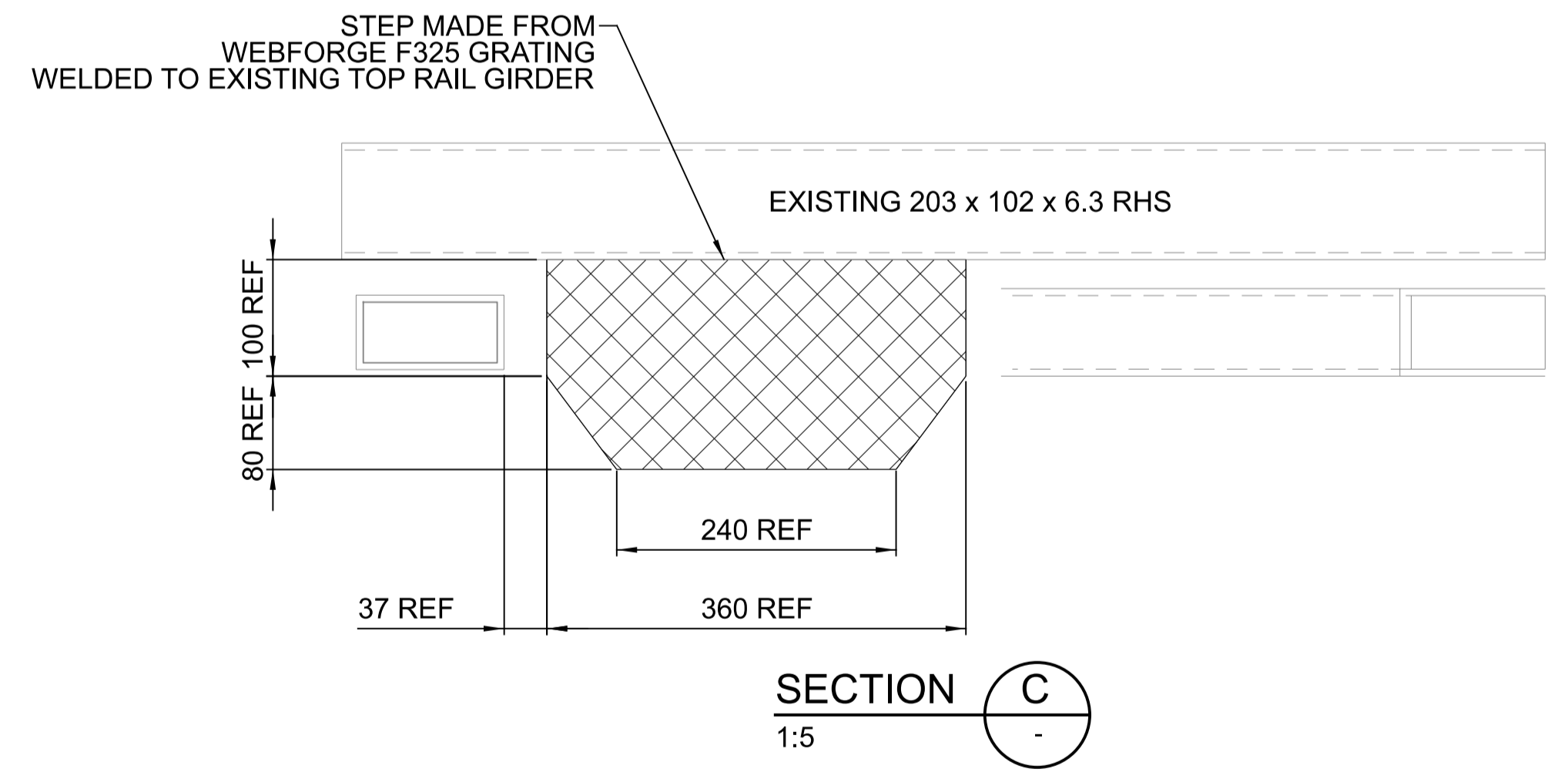


**DETAIL 01**  
1:2.5

**SECTION E**  
1:2.5



**SECTION D**  
1:10



**SECTION C**  
1:5

- NOTES:**
- FOR STANDARD NOTES REFER DRAWING 255000-STD-001
  - ALL EQUIPMENT DIMENSIONS SHALL BE CONFIRMED WITH CERTIFIED VENDOR INFORMATION

**GPC Gladstone Ports Corporation**

**APPROVED**

Name: Erin Clark  
Date: 12:26pm 27/04/2022

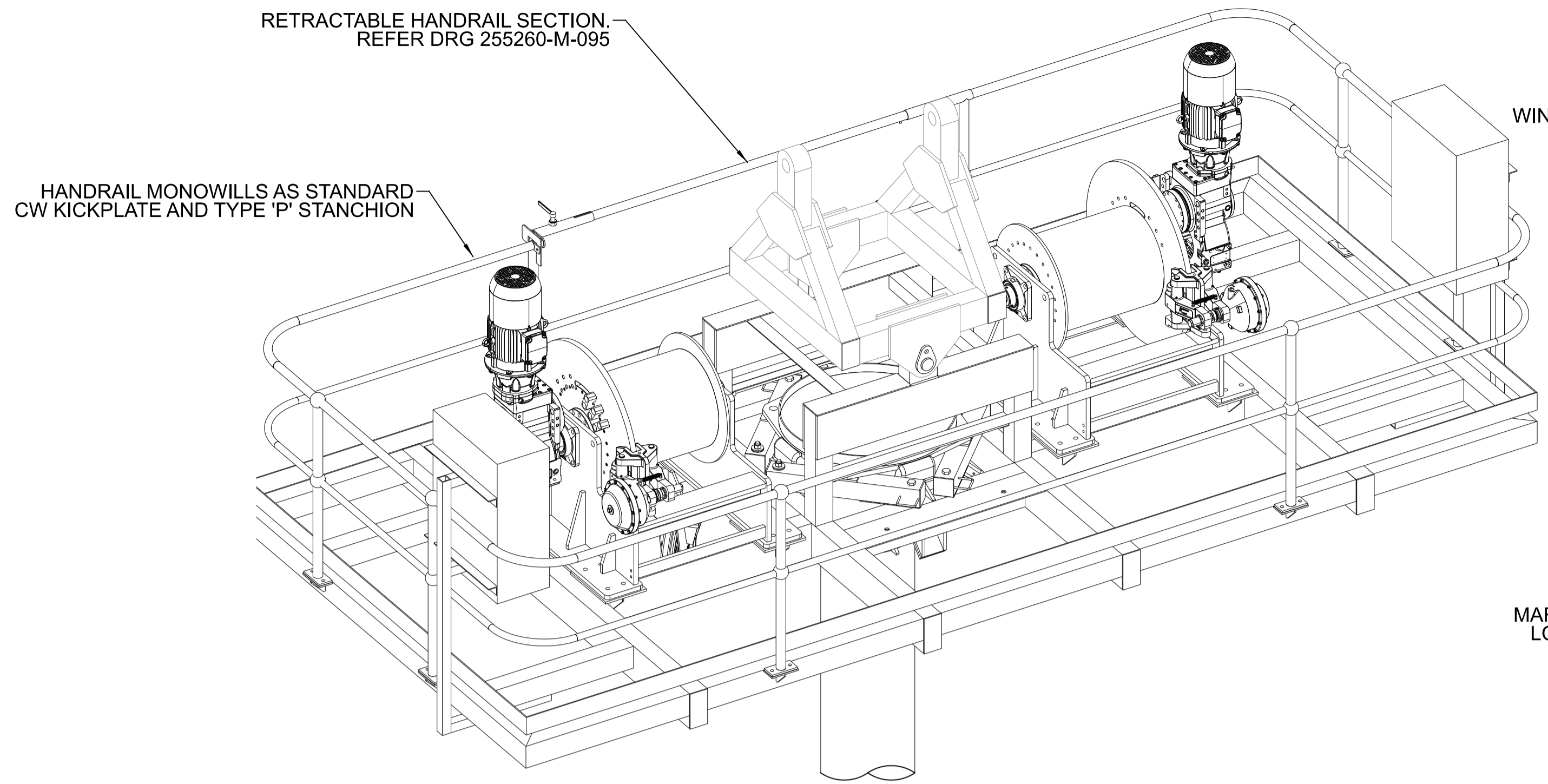
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REV	DATE	REVISION DETAILS				DRN	DES	APP	REFERENCE DRAWINGS				REF NUMBER	CLIENT	FOR CONSTRUCTION		PORT OF BUNDABERG COMMON USER INFRASTRUCTURE SHIPLOADER CONVEYOR C11 HEAD CHUTE HYDRAULIC MAINTENANCE PLATFORM DETAILS		REV	0	A1

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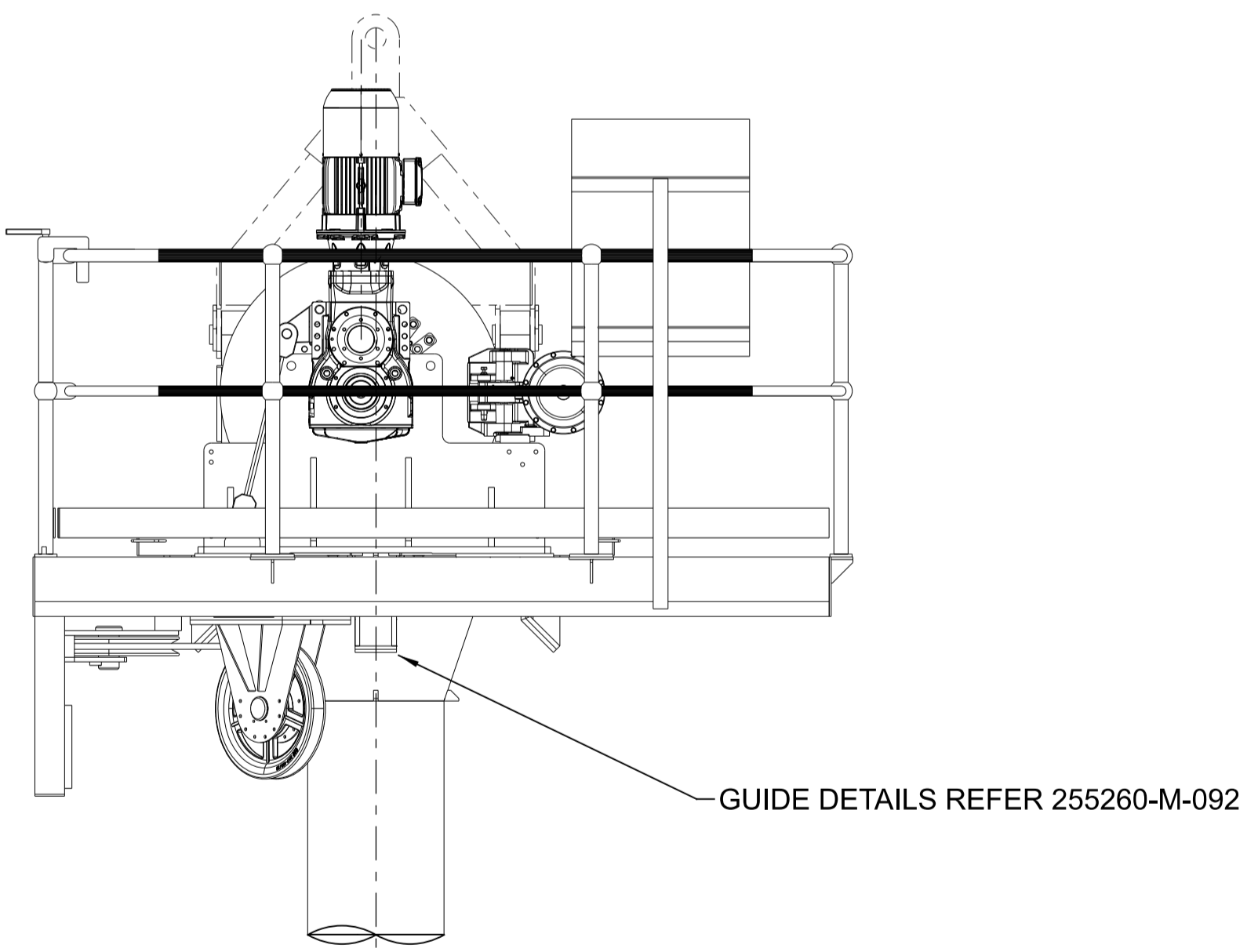
**STL**

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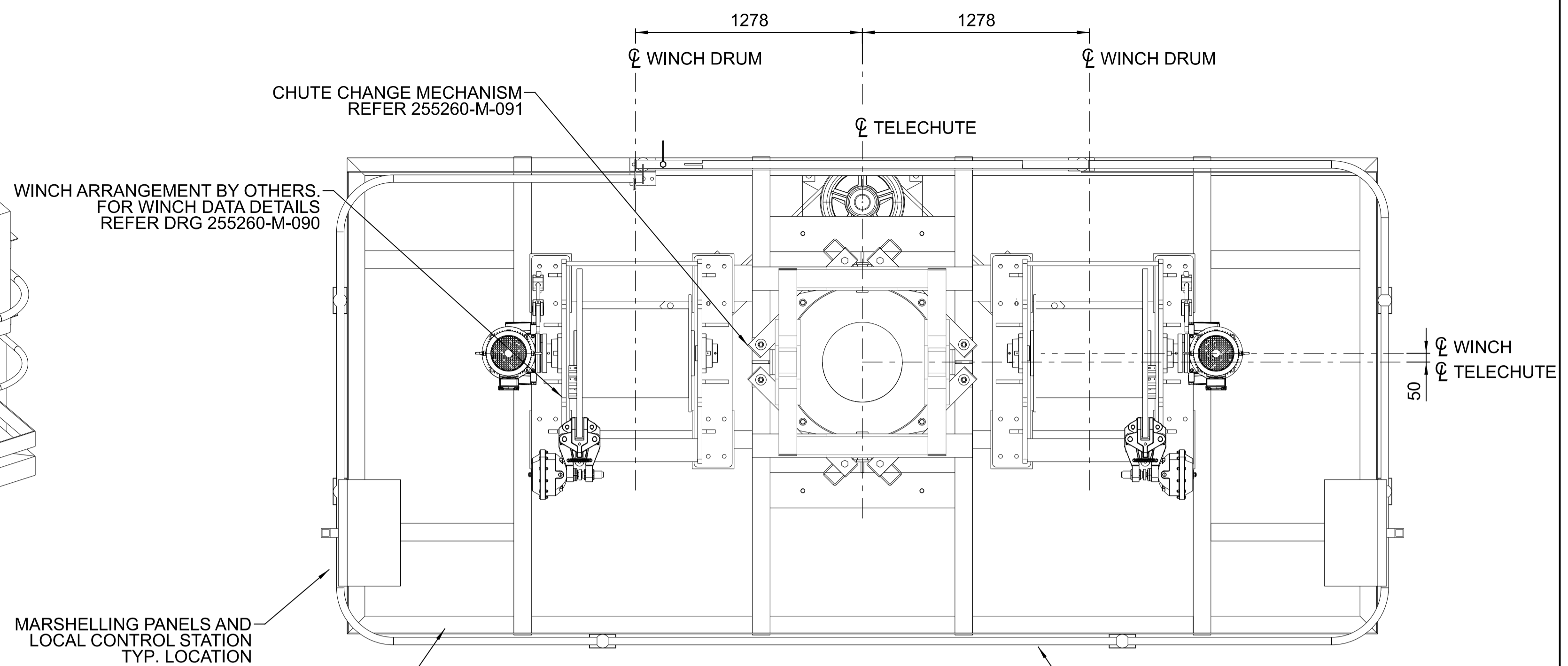




**PLATFORM 3D VIEW**  
N.T.S.

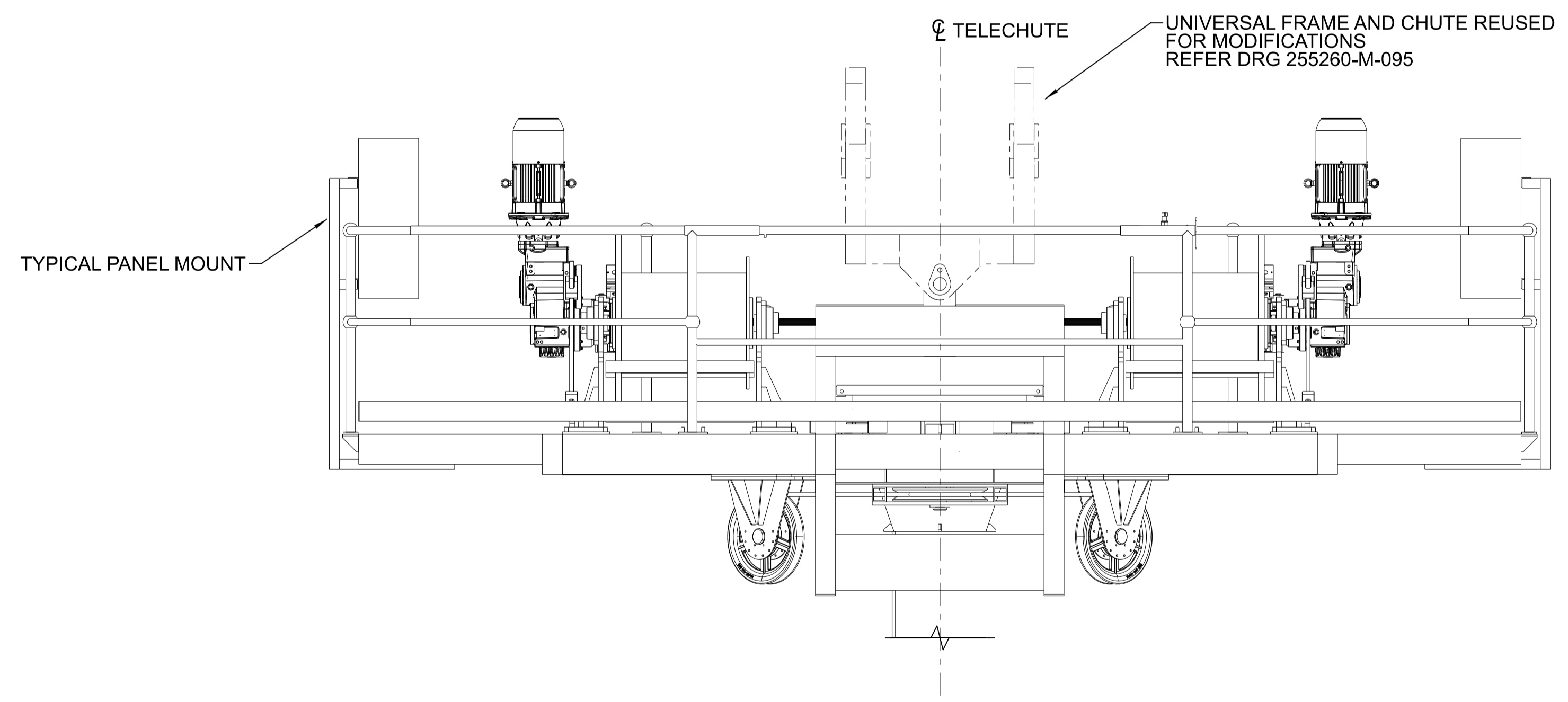


**PLATFORM SIDE ELEVATION**  
SCALE 1:20



**PLATFORM PLAN VIEW**  
SCALE 1:20

PLATFORM DETAILS  
REFER 255260-M-094



**PLATFORM FRONT ELEVATION**  
SCALE 1:20

**GPC Gladstone Ports Corporation**

**APPROVED**

Name: Erin Clark  
Date: 12:26pm 27/04/2022

**NOTES:**  
1. GRATING, UNIVERSAL CHUTE AND TRANSITION CHUTE REMOVED FOR CLARITY

REV	DATE	REVISION DETAILS	DRN	DES	APP	REFERENCE DRAWINGS	REF NUMBER
0	15.10.21	ISSUED FOR CONSTRUCTION	N.M	M.F	G.H.		



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THIRD ANGLE PROJECTION U.N.O.  
DO NOT SCALE FROM DRAWING

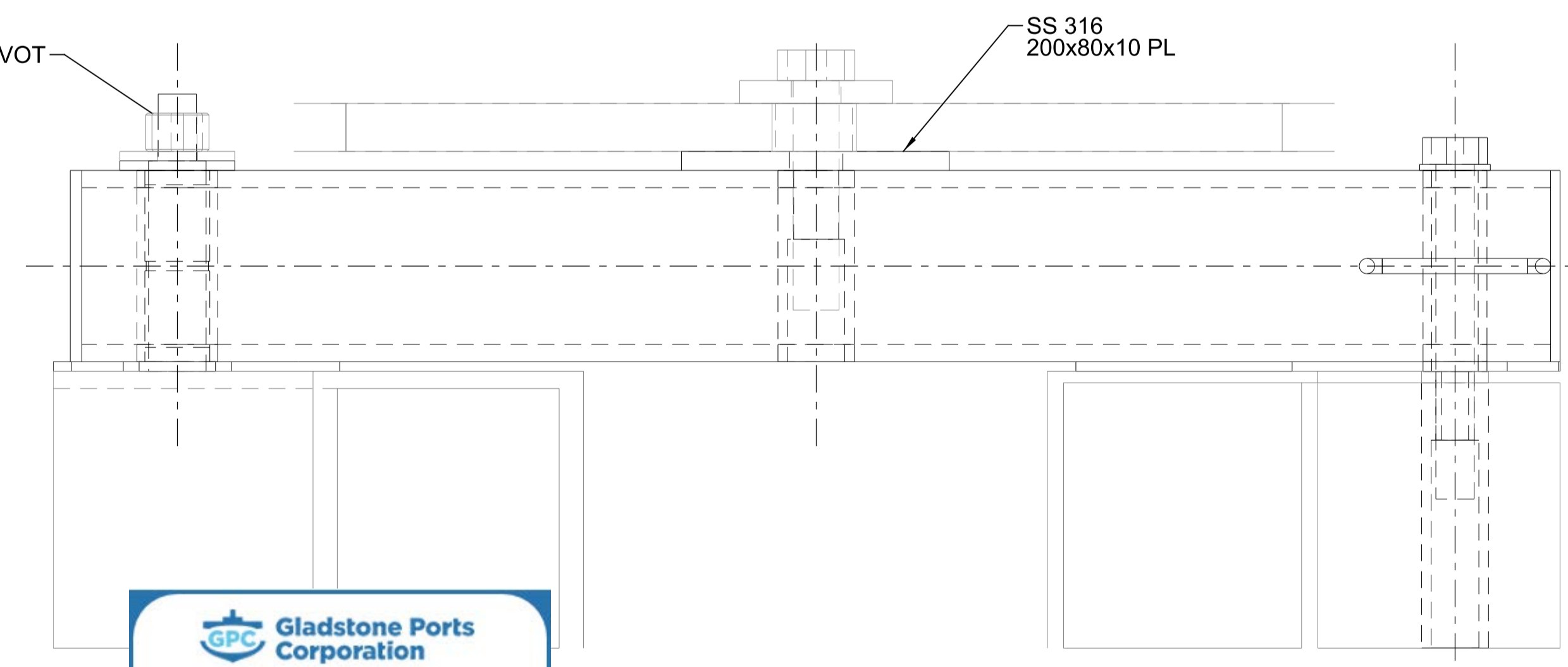
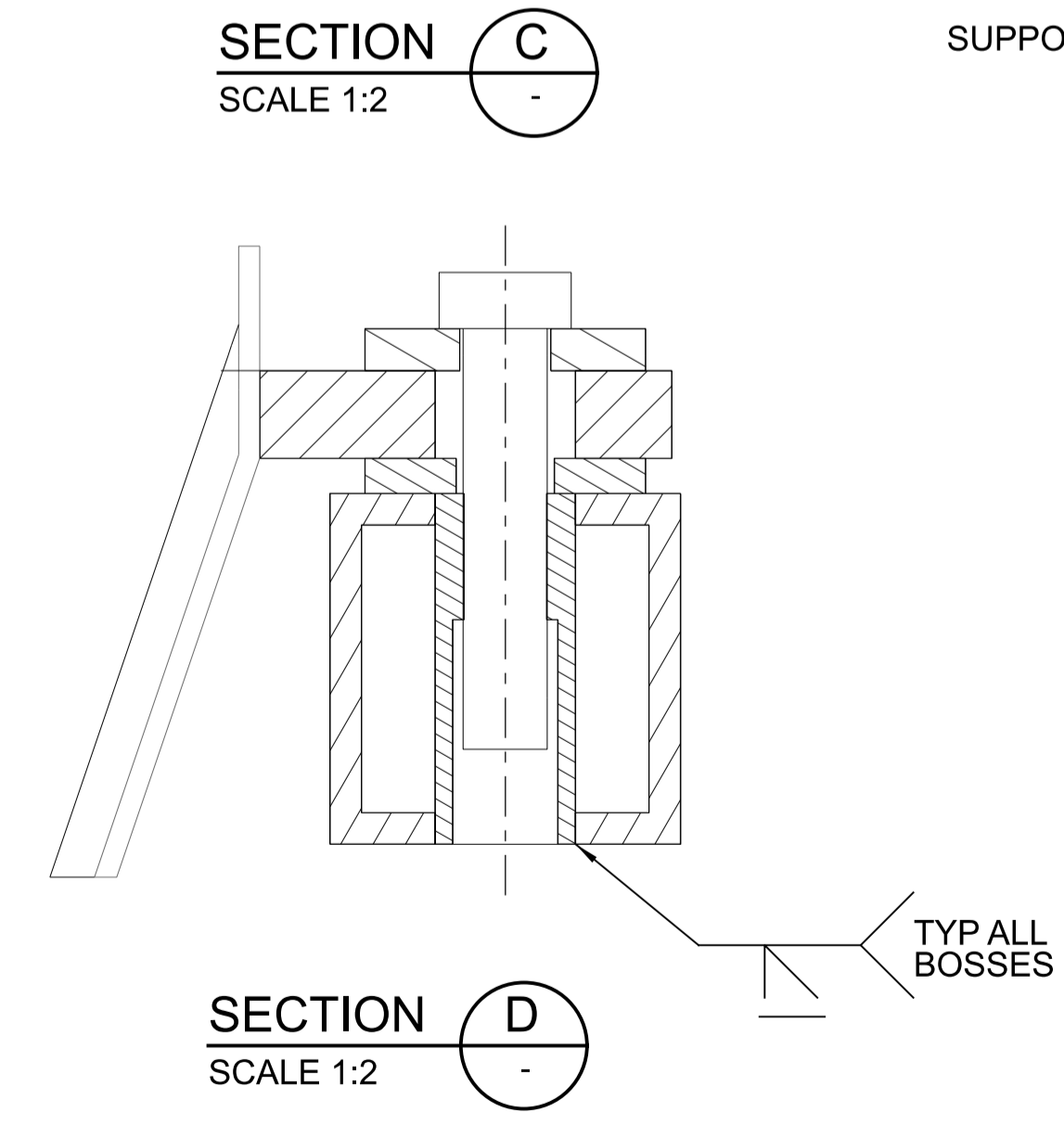
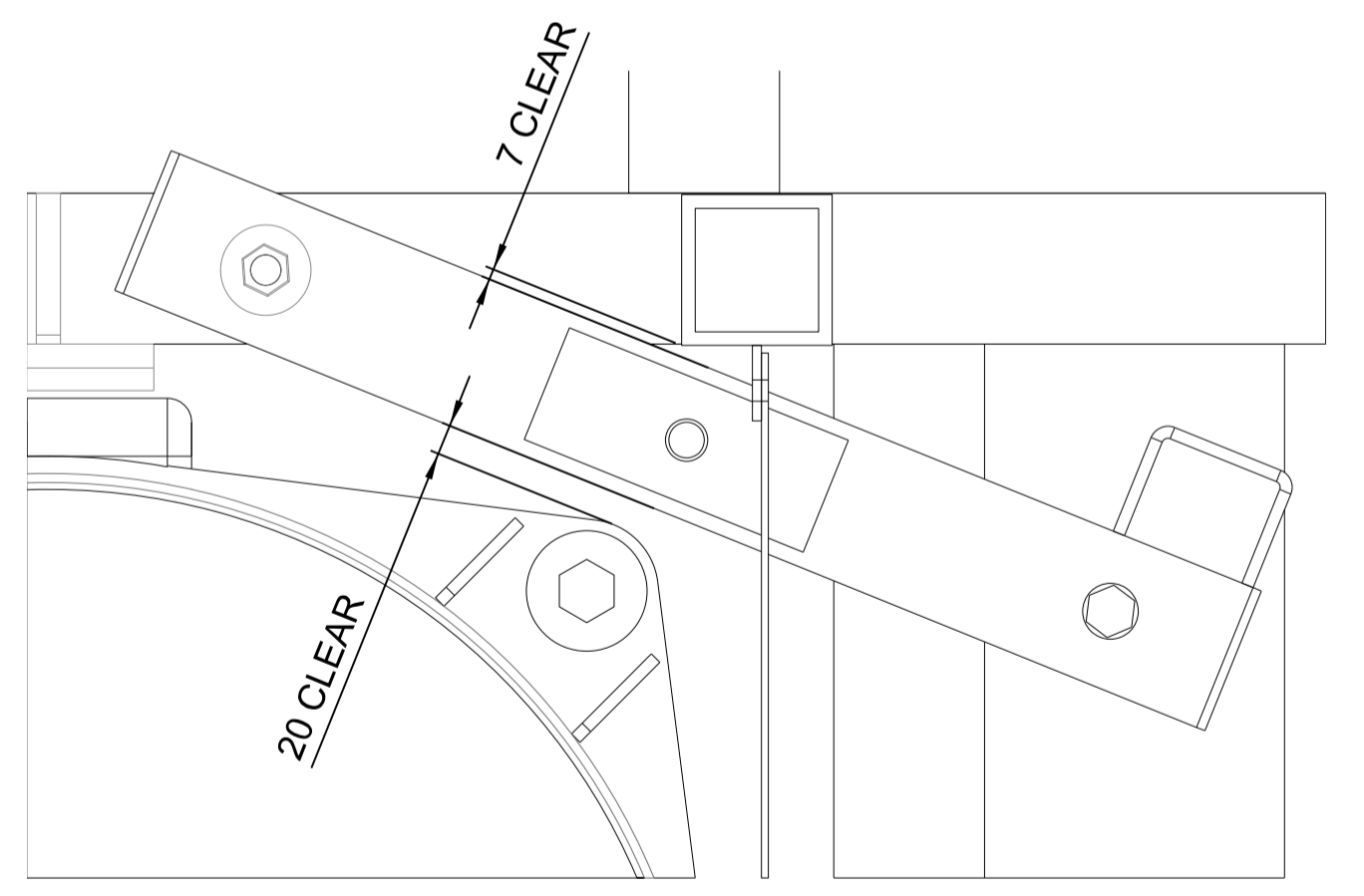
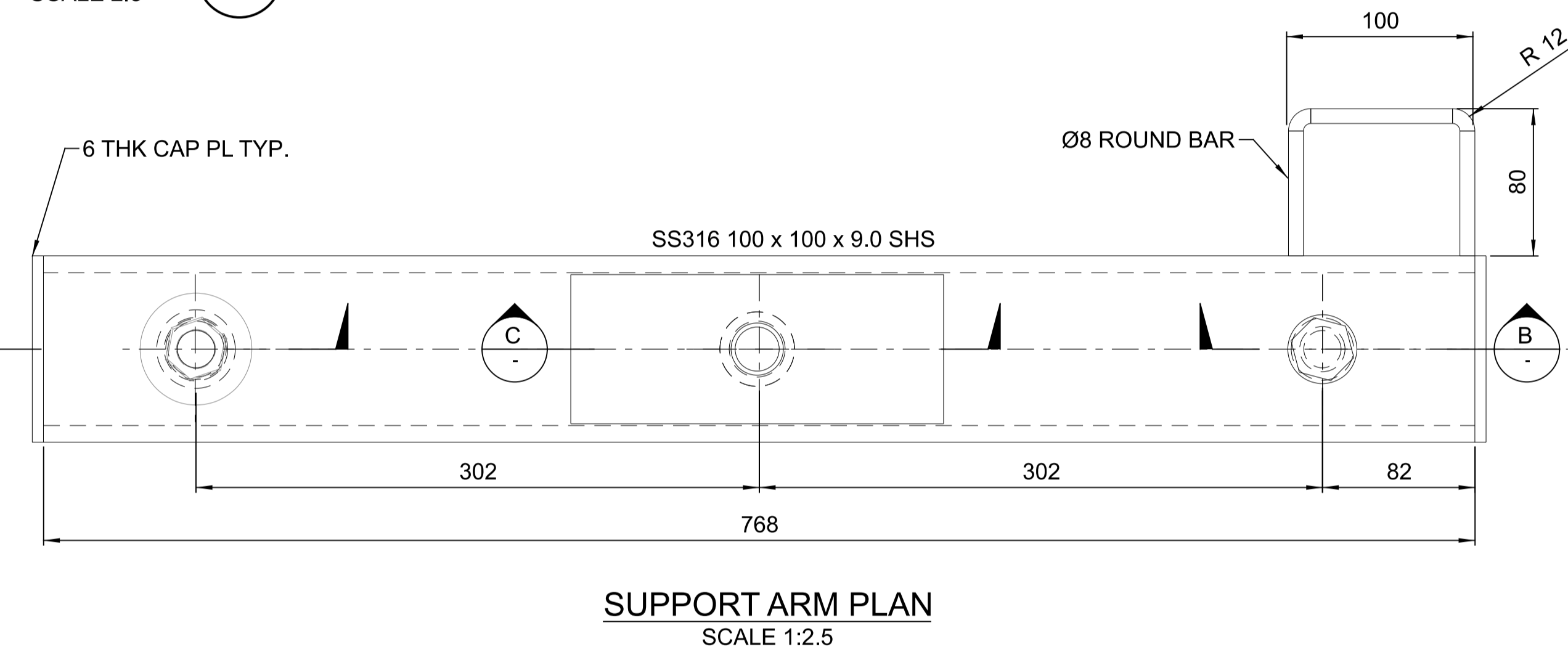
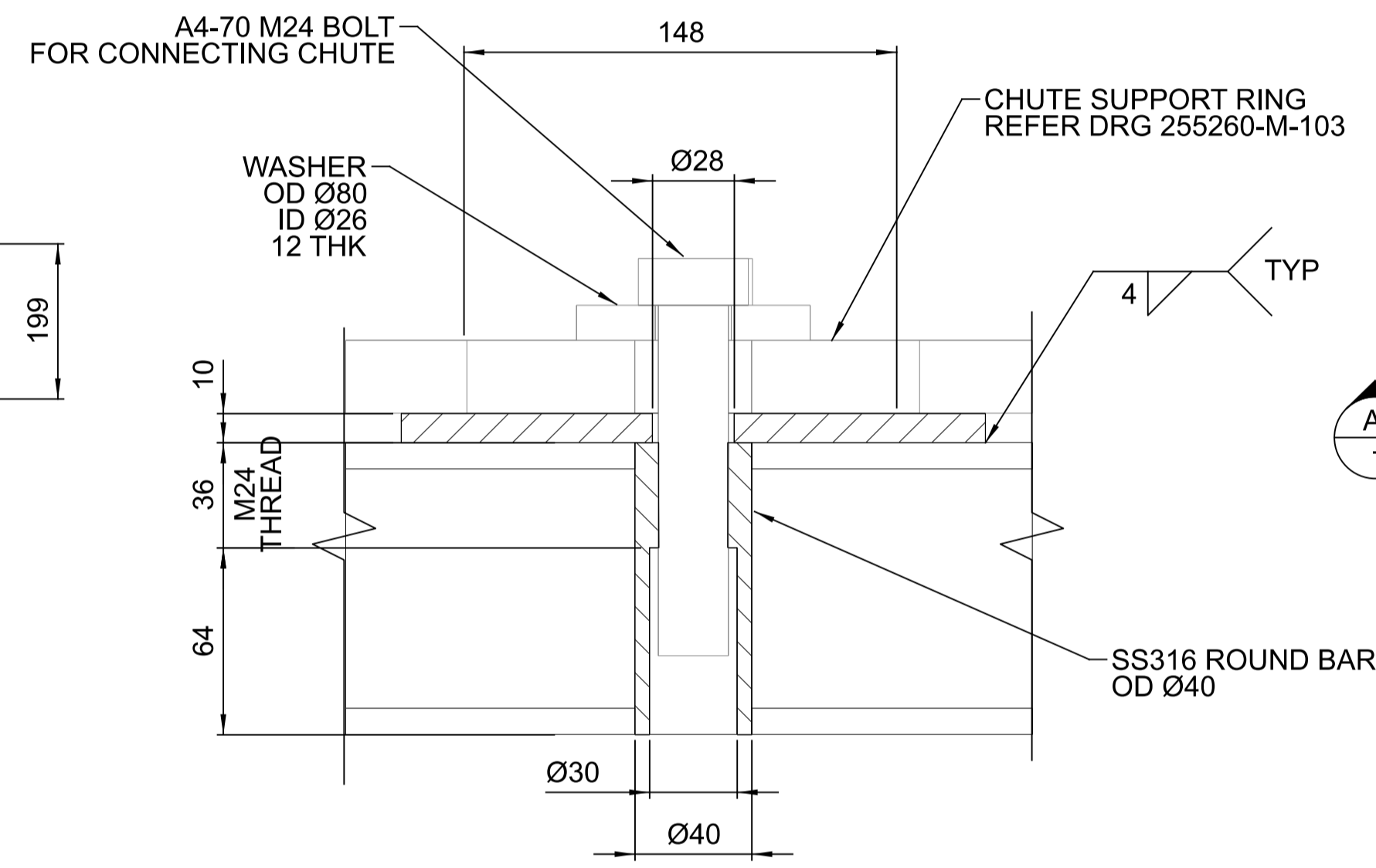
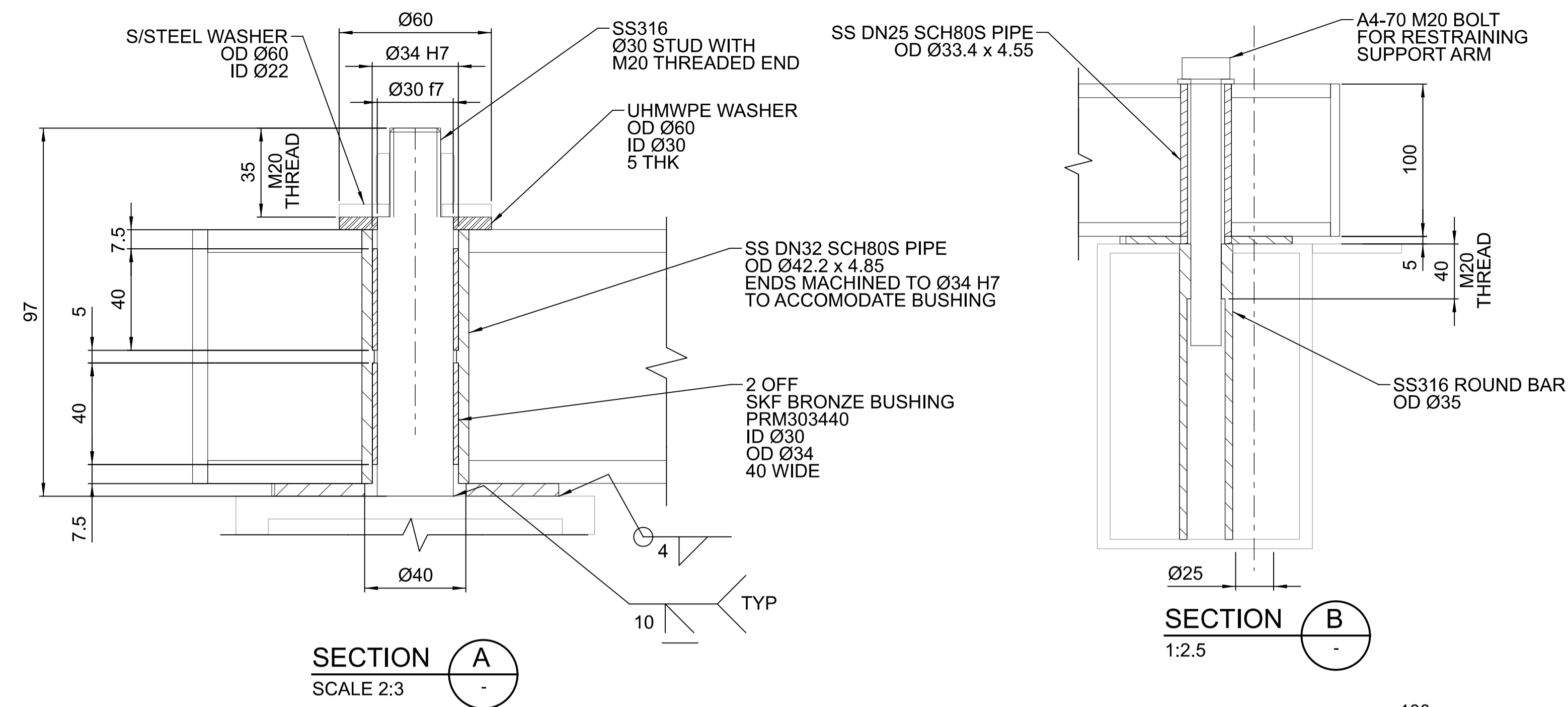
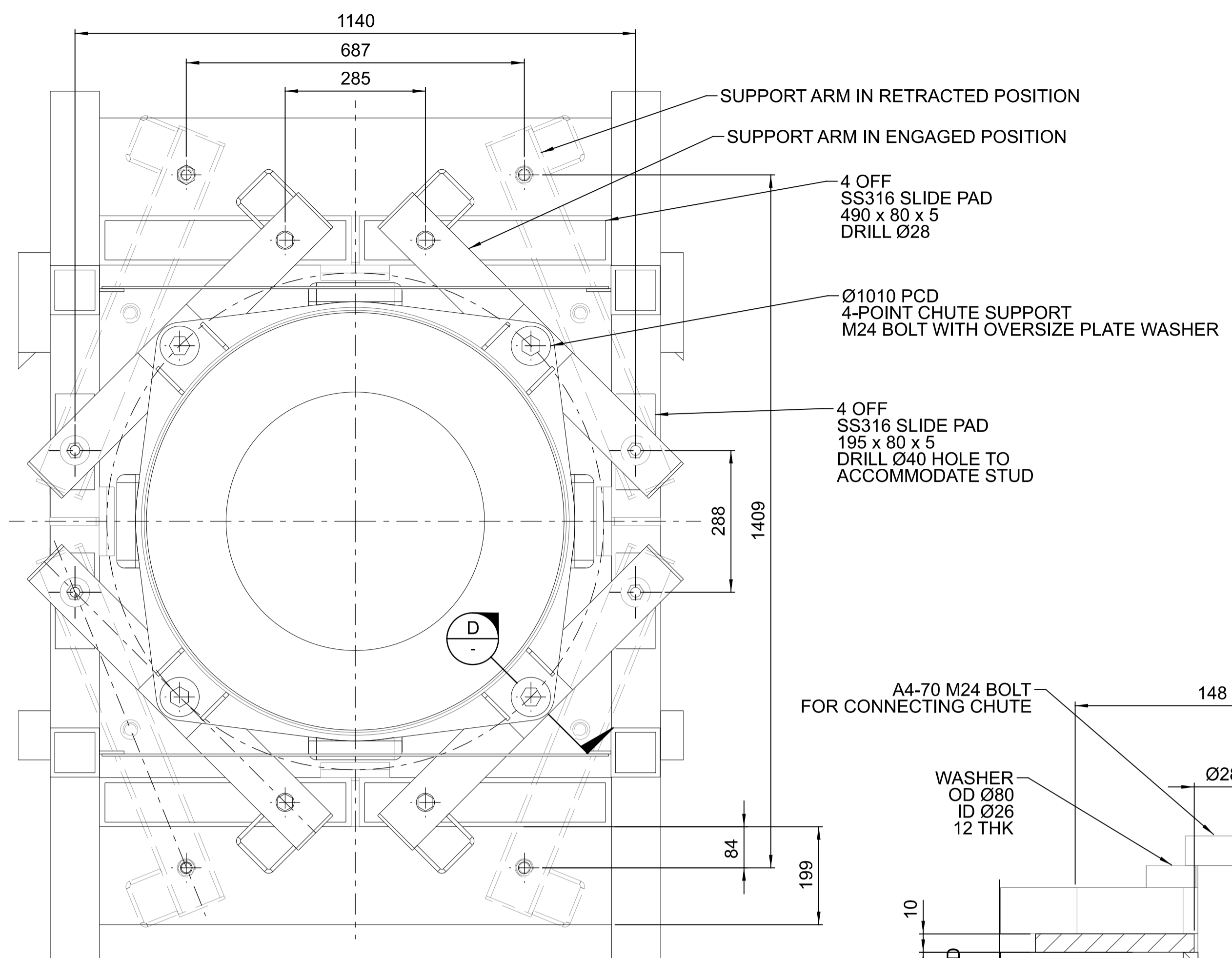
DRAWN	N.MOBSBY	15.10.21
DESIGN	M.FRENDI	15.10.21
VERIFY	L.WILLIAMS	15.10.21
APPROVED	G.HARGREAVES	15.10.21

**FOR CONSTRUCTION**

PORT OF BUNDABERG COMMON USER INFRASTRUCTURE  
SHIPLOADER  
TELECHUTE - ILMENITE & SUGAR  
WINCH PLATFORM  
GENERAL ARRANGEMENT

DRAWING No.		
<b>255260-M-089</b>		
SCALE AS NOTED	REV 0	A1

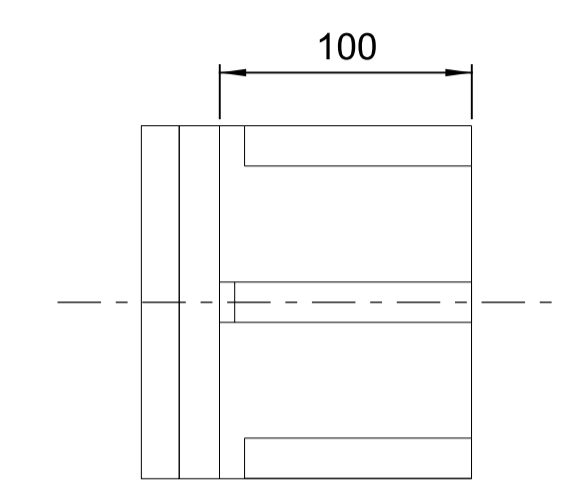
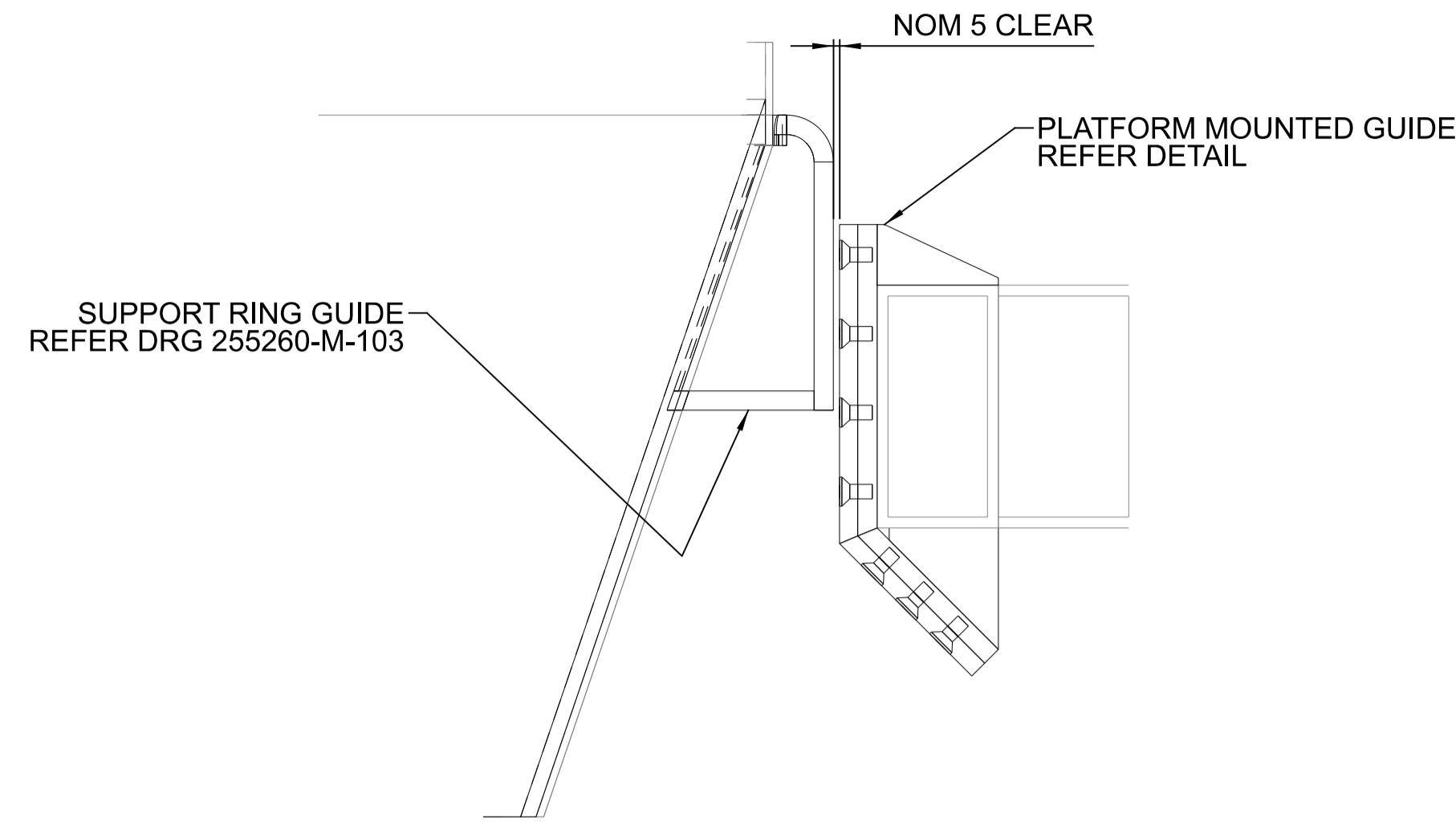




**NOTES:**  
1. FOR STANDARD NOTES REFER DRAWING 255000-STD-001  
2. ALL EQUIPMENT DIMENSIONS SHALL BE CONFIRMED WITH CERTIFIED VENDOR INFORMATION

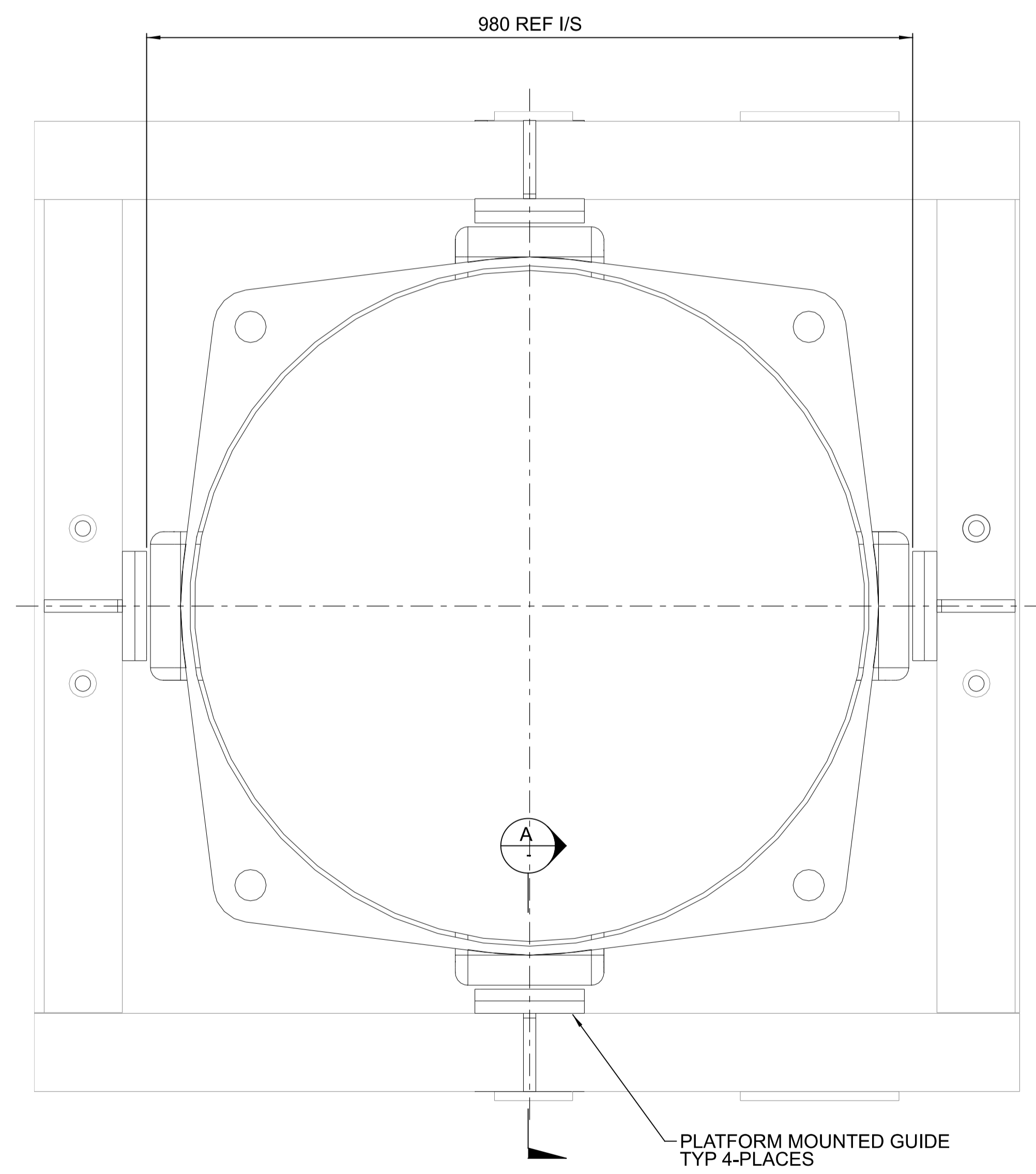


																DRAWN: N.MOBSBY 15.10.21 DESIGN: M.FRENDO 15.10.21 VERIFY: L.WILLIAMS 15.10.21 APPROVED: G.HARGREAVES 15.10.21		PORT OF BUNDABERG COMMON USER INFRASTRUCTURE SHIPLOADER TELECHUTE - ILMENITE AND SUGAR CHUTE SUPPORT AND CHANGE MECHANISM DETAILS		DRAWING No. <b>255260-M-091</b>	
0	15.10.21	ISSUED FOR CONSTRUCTION			N.M	M.F	G.H.												SCALE AS NOTED	REV 0	A1

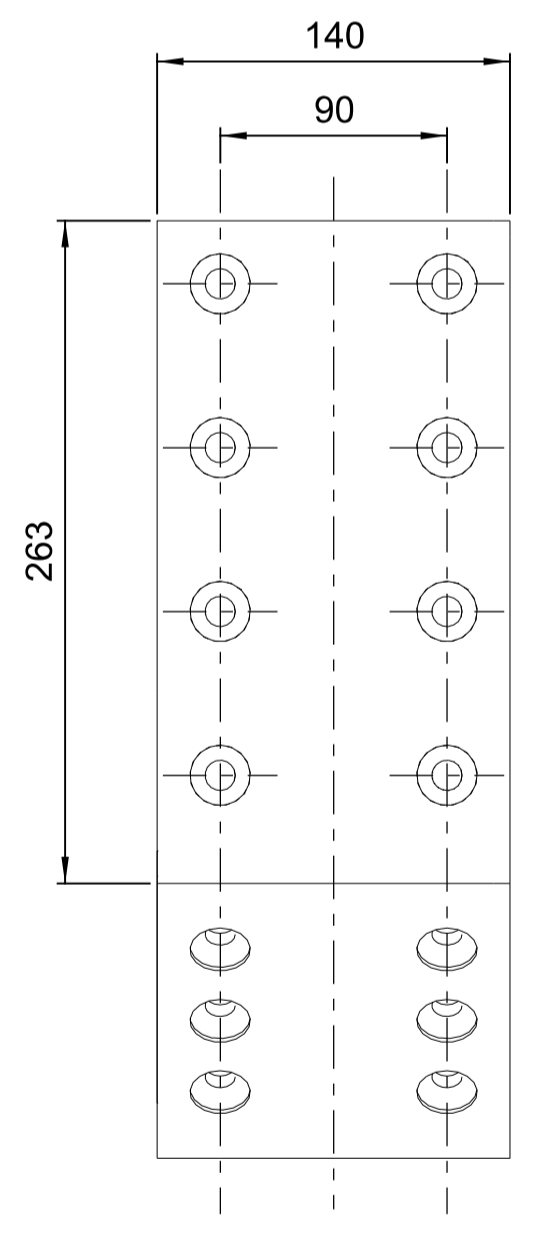


**SECTION A**  
1:5

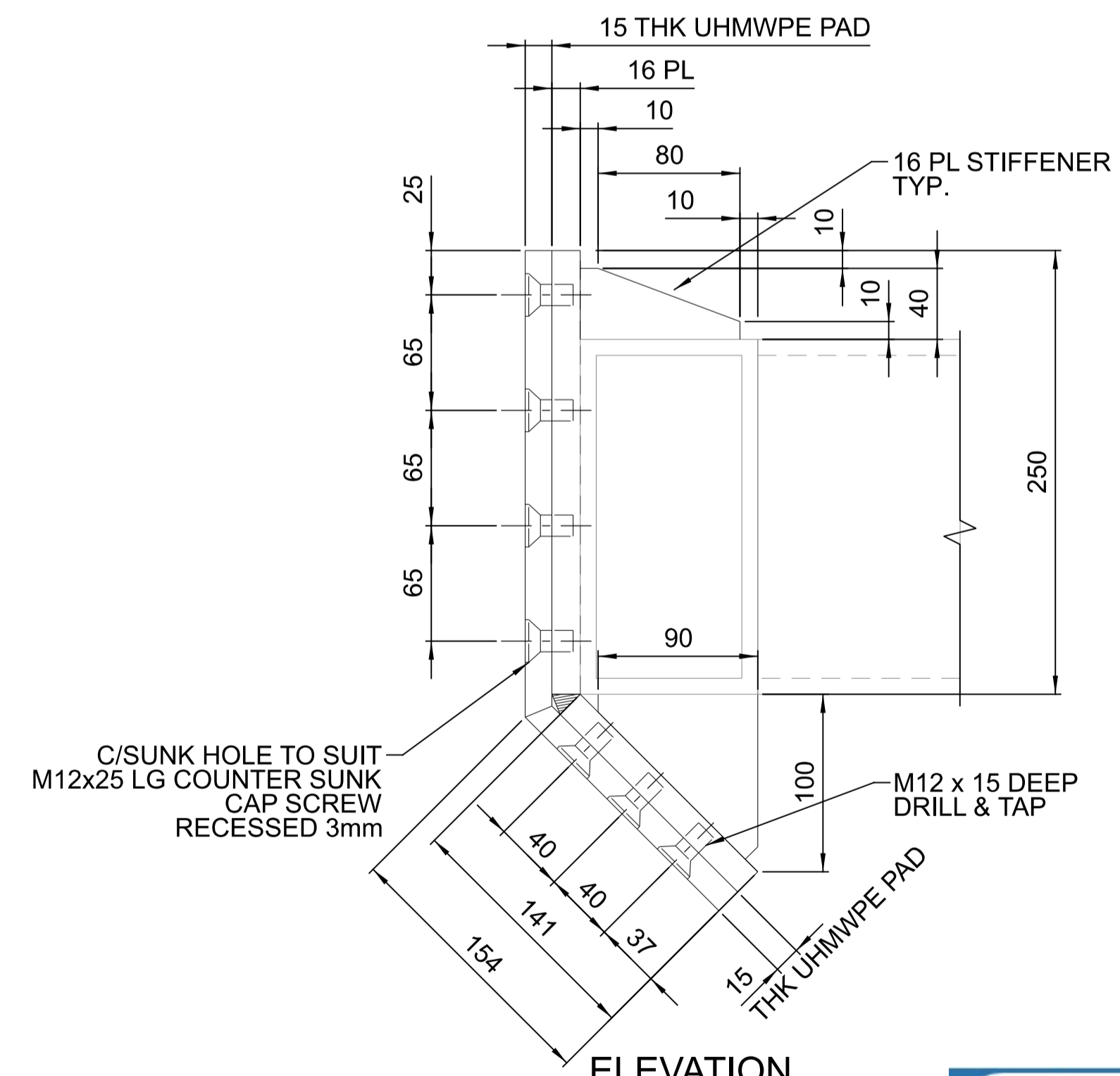
**PLAN**  
SCALE 1:3



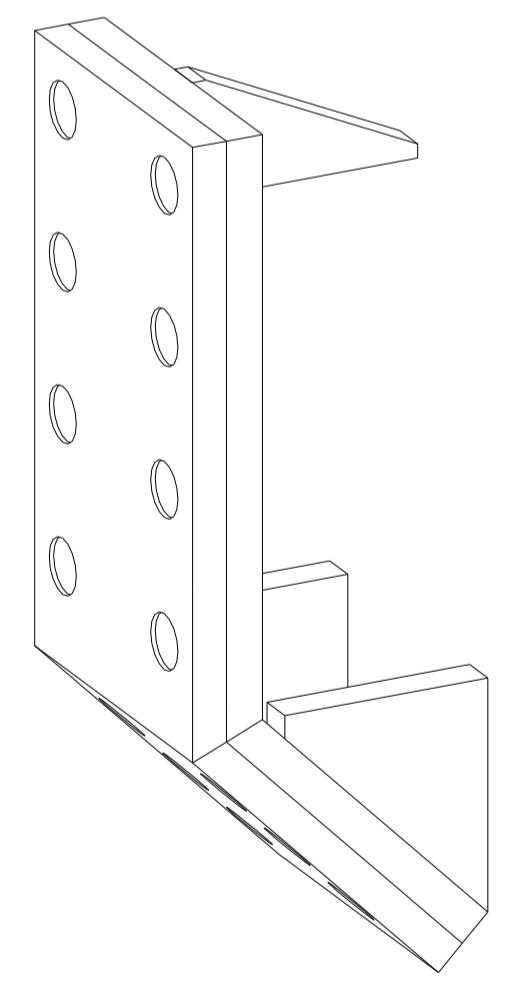
**SECTIONAL PLAN @ PLATFORM LEVEL**  
SCALE 1:5



**END ELEVATION**  
SCALE 1:3



**ELEVATION**  
PLATFORM MOUNTED GUARD DE  
SCALE 1:3



**3D VIEW**  
N.T.S.

**GPC Gladstone Ports Corporation**

**APPROVED**

Name: Erin Clark  
Date: 12:26pm 27/04/2022

**NOTES:**  
1. FOR STANDARD NOTES REFER DRAWING 255000-STD-001

																				DRAWING No.	
																				255260-M-092	
0	15.10.21	ISSUED FOR CONSTRUCTION			N.M	M.F	G.H.													SCALE	REV
REV	DATE	REVISION DETAILS			DRN	DES	APP	REFERENCE DRAWINGS		REF NUMBER		CLIENT		FOR CONSTRUCTION		PORT OF BUNDABERG COMMON USER INFRASTRUCTURE SHIPLOADER TELECHUTE - ILMENITE & SUGAR PLATFORM MOUNTED GUIDE DETAILS		AS NOTED		0	A1



**LINEAR ENGINEERING**

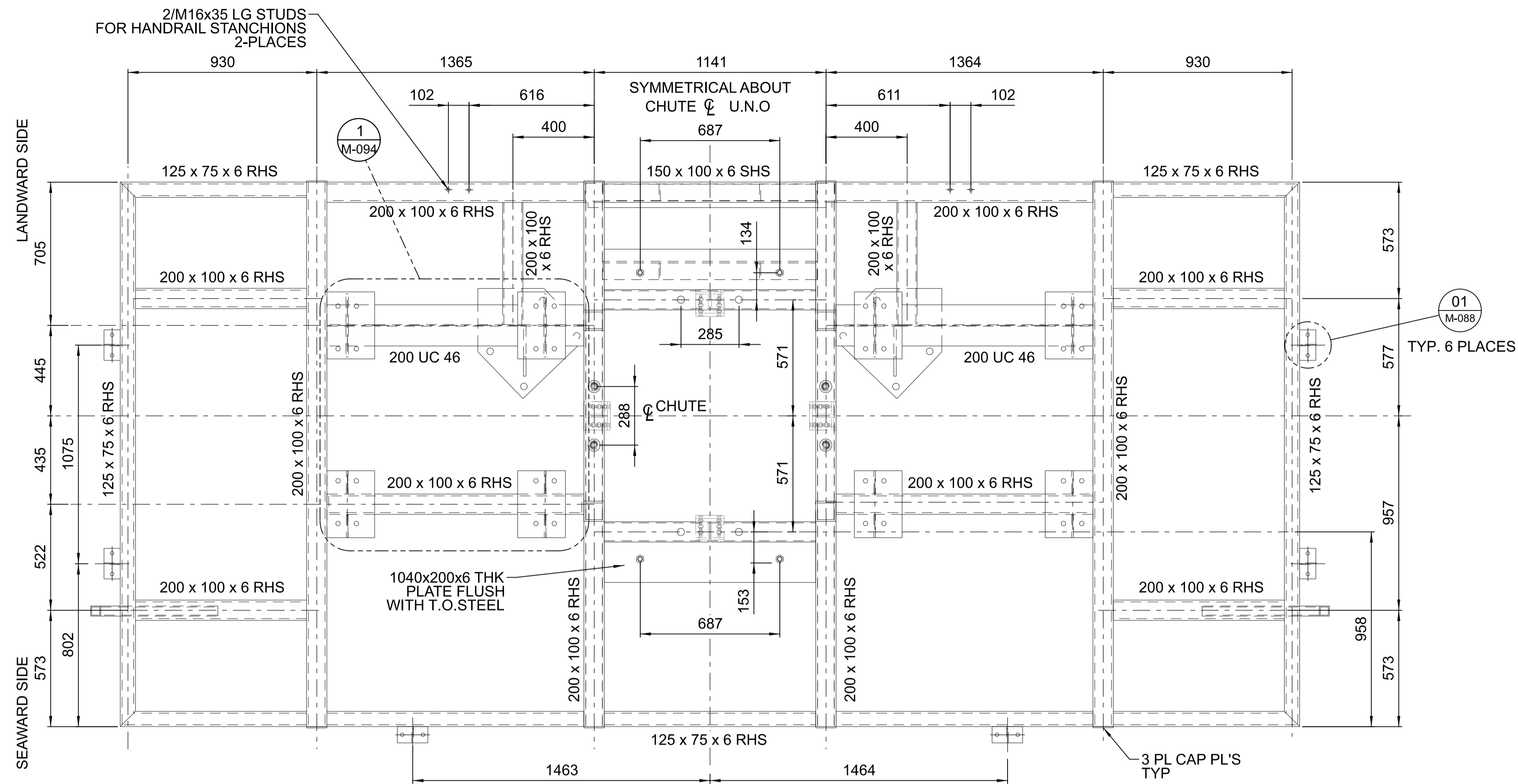
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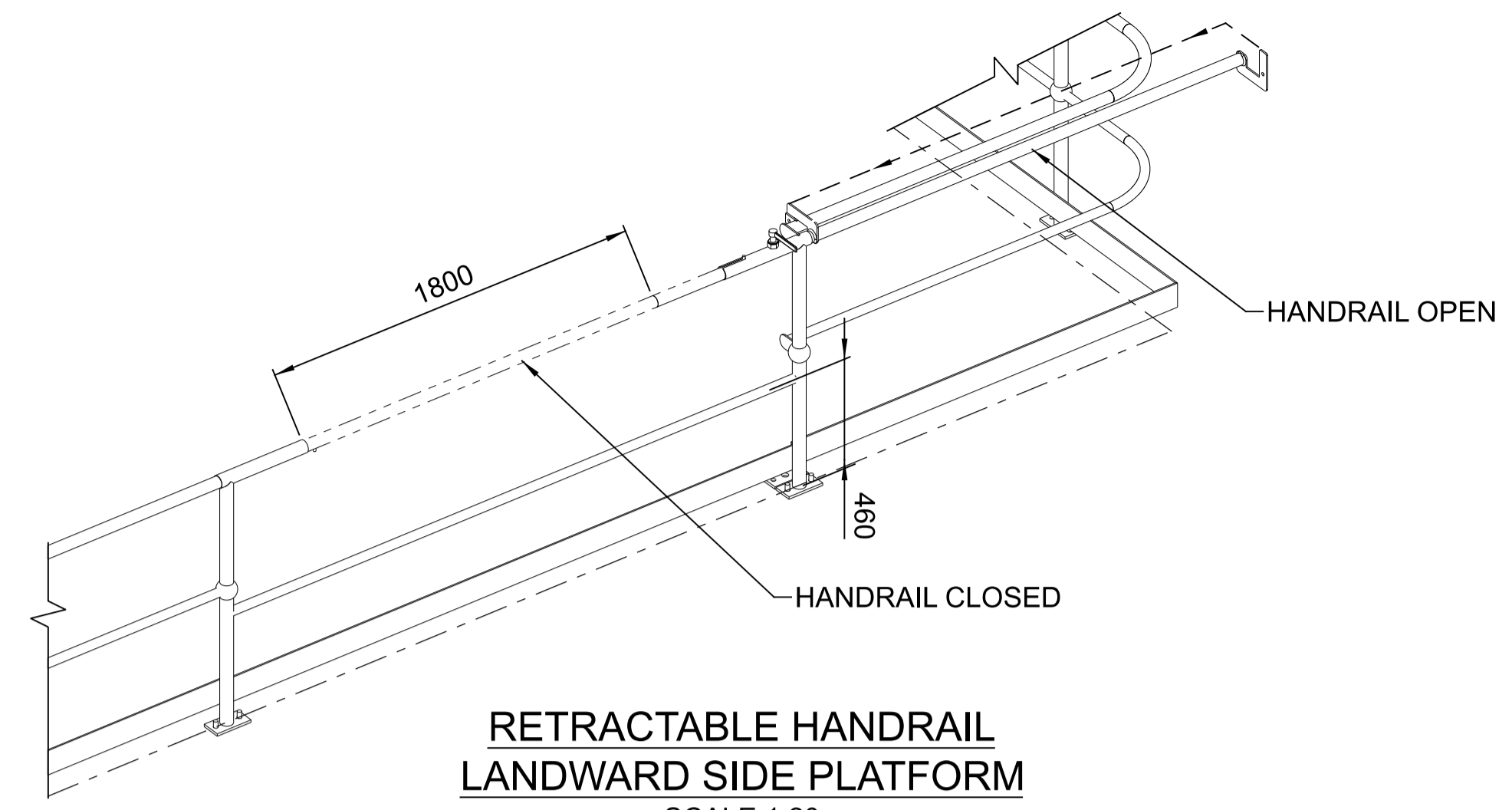
DRAWN	N.MOBSBY	15.10.21
DESIGN	M.FRENDO	15.10.21
VERIFY	L.WILLIAMS	15.10.21
APPROVED	G.HARGREAVES	15.10.21

PORT OF BUNDABERG COMMON USER INFRASTRUCTURE SHIPLOADER TELECHUTE - ILMENITE & SUGAR PLATFORM MOUNTED GUIDE DETAILS

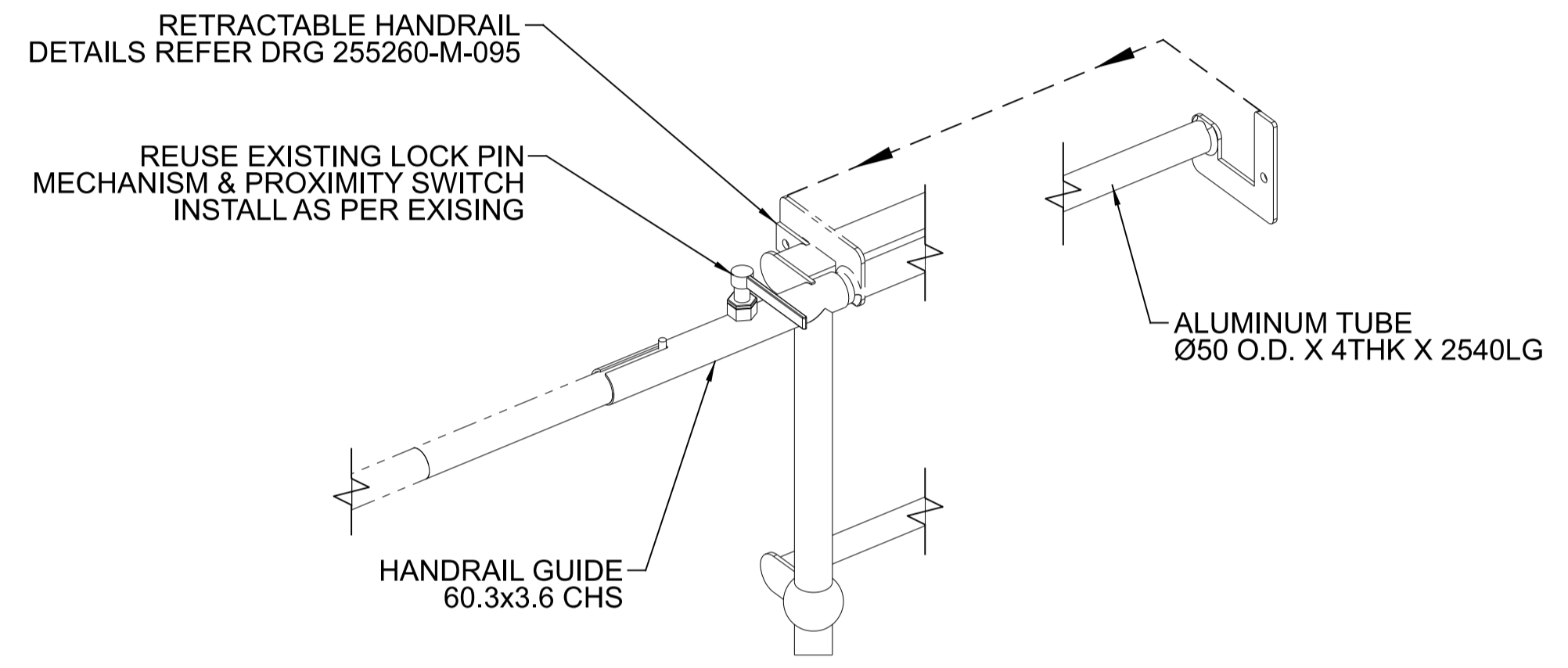
SCALE	REV	
AS NOTED	0	A1



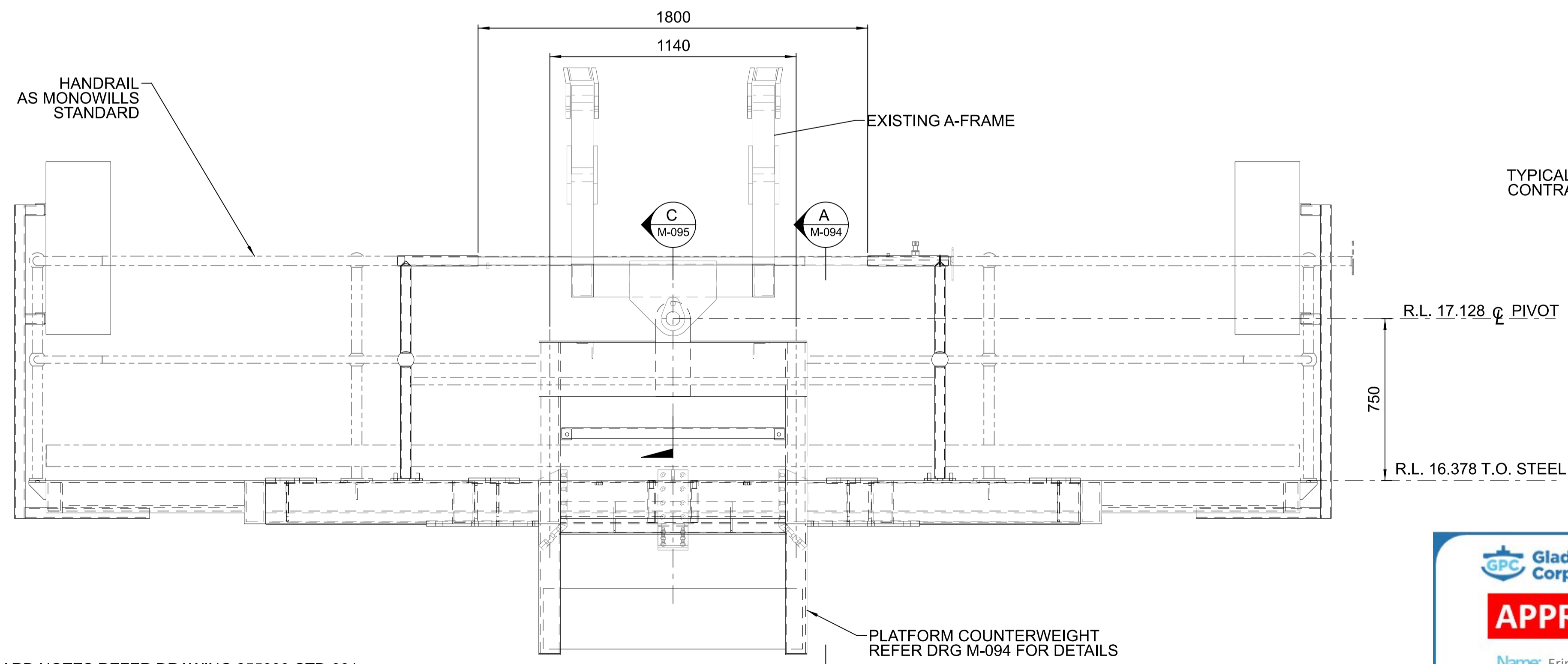
**PLAN - TELECHUTE PLATFORM**  
SCALE 1:15



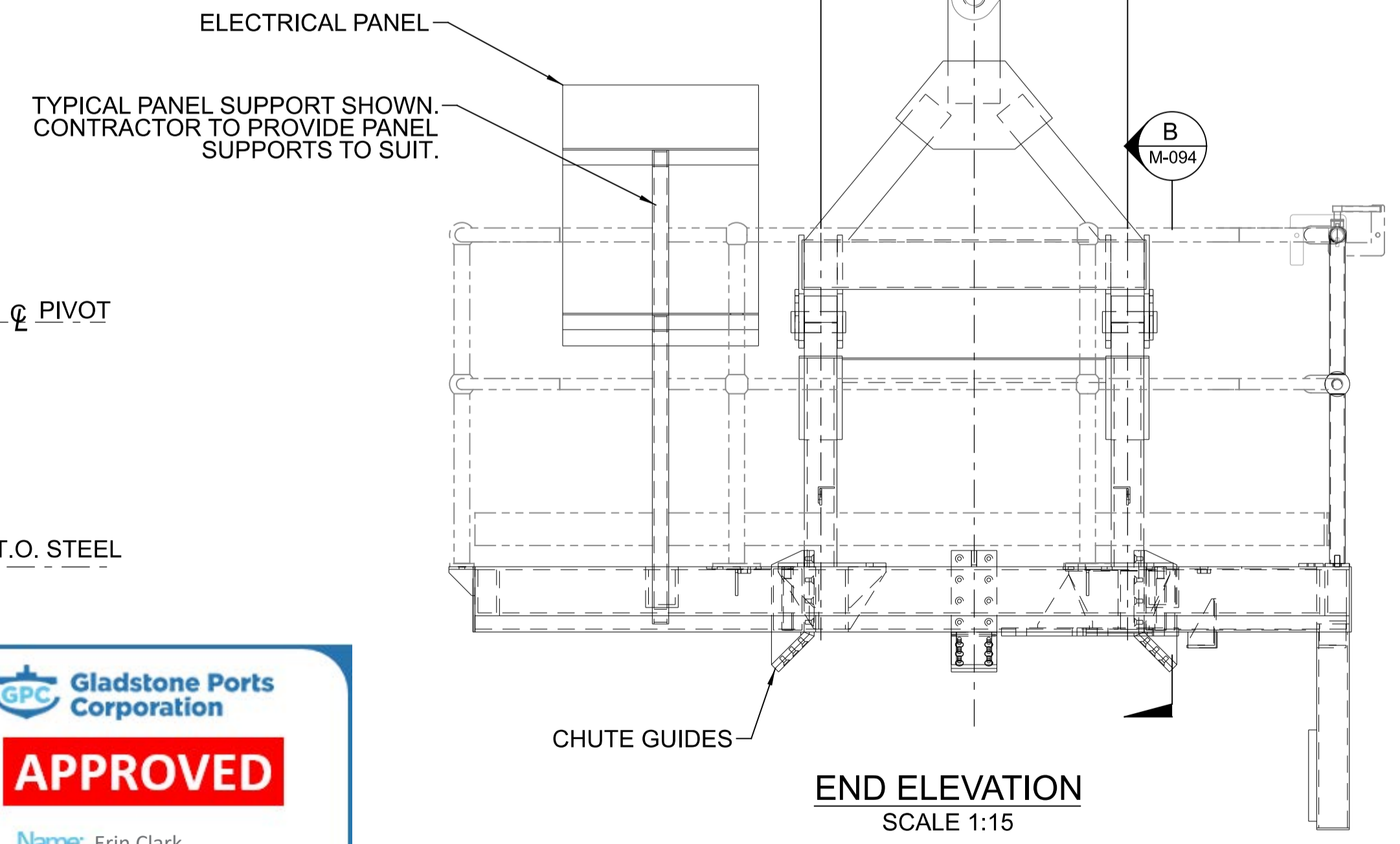
**RETRACTABLE HANDRAIL LANDWARD SIDE PLATFORM**  
SCALE 1:20



**RETRACTABLE HANDRAIL ASSEMBLY**  
N.T.S.



**ELEVATION**  
SCALE 1:15



**END ELEVATION**  
SCALE 1:15

**NOTES:**  
1. FOR STANDARD NOTES REFER DRAWING 255000-STD-001

**Gladstone Ports Corporation**  
**APPROVED**  
Name: Erin Clark  
Date: 12:26pm 27/04/2022

REV	DATE	REVISION DETAILS	DRN	DES	APP	REFERENCE DRAWINGS	REF NUMBER
0	15.10.21	ISSUED FOR CONSTRUCTION	N.M	M.F	G.H.		

**STL**  
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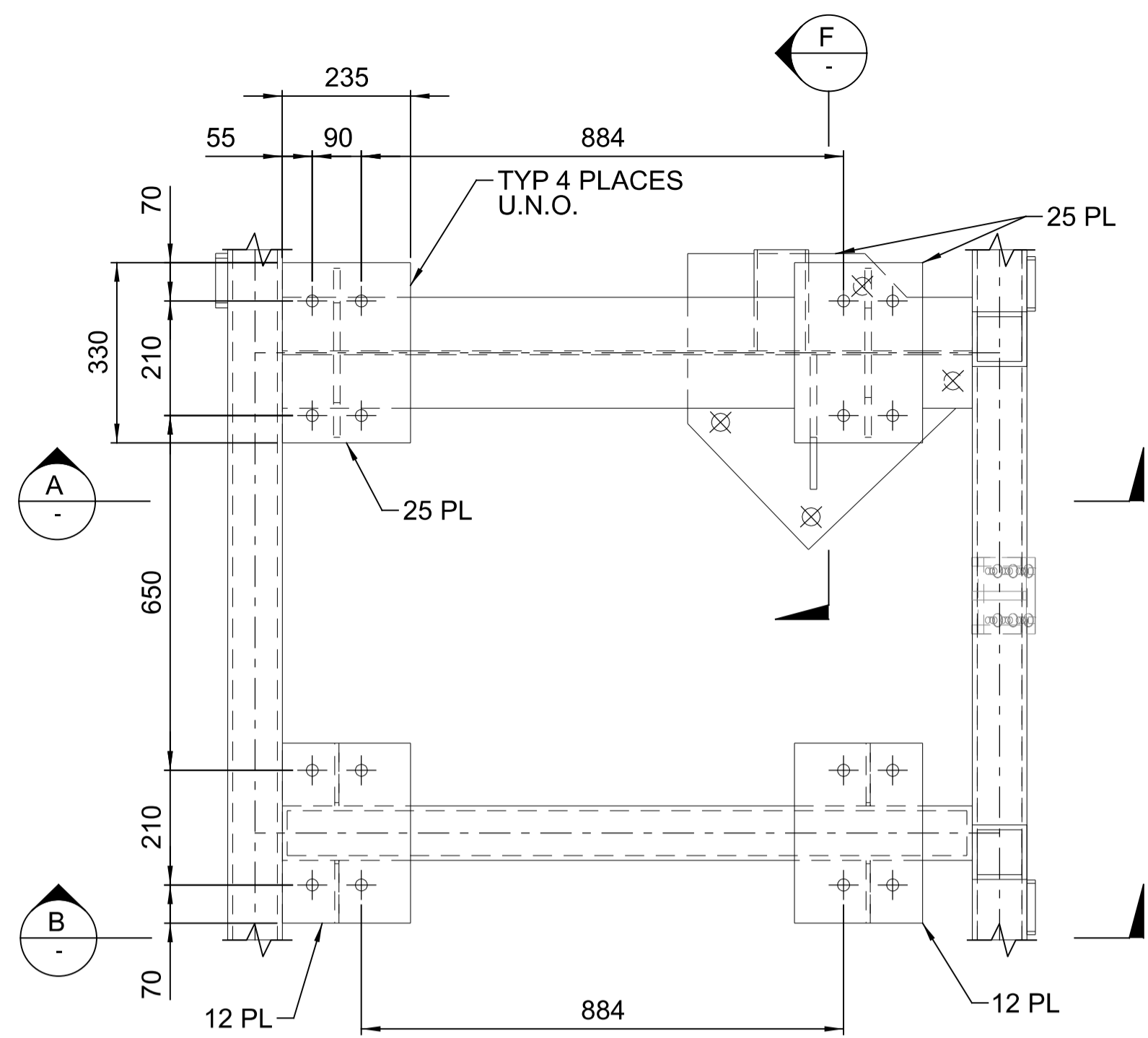
**FOR CONSTRUCTION**

DRAWN	N.MOBSBY	15.10.21
DESIGN	M.FRENDO	15.10.21
VERIFY	L.WILLIAMS	15.10.21
APPROVED	G.HARGREAVES	15.10.21

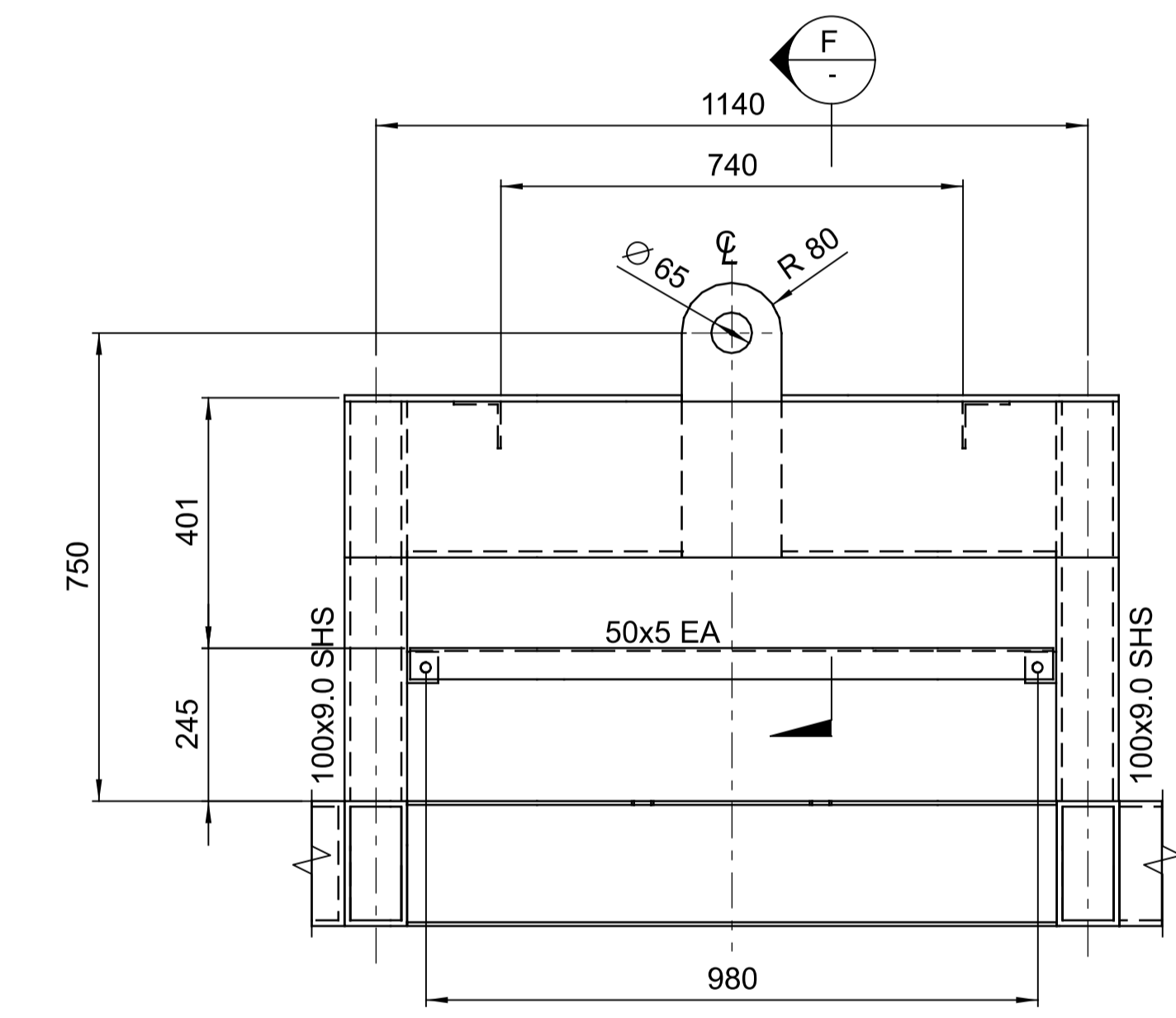
PORT OF BUNDABERG COMMON USER INFRASTRUCTURE  
SHIPLOADER  
TELECHUTE - ILMENITE AND SUGAR  
WINCH PLATFORM STRUCTRE  
DETAILS SHEET 1

SCALE	REV	
AS NOTED	0	A1

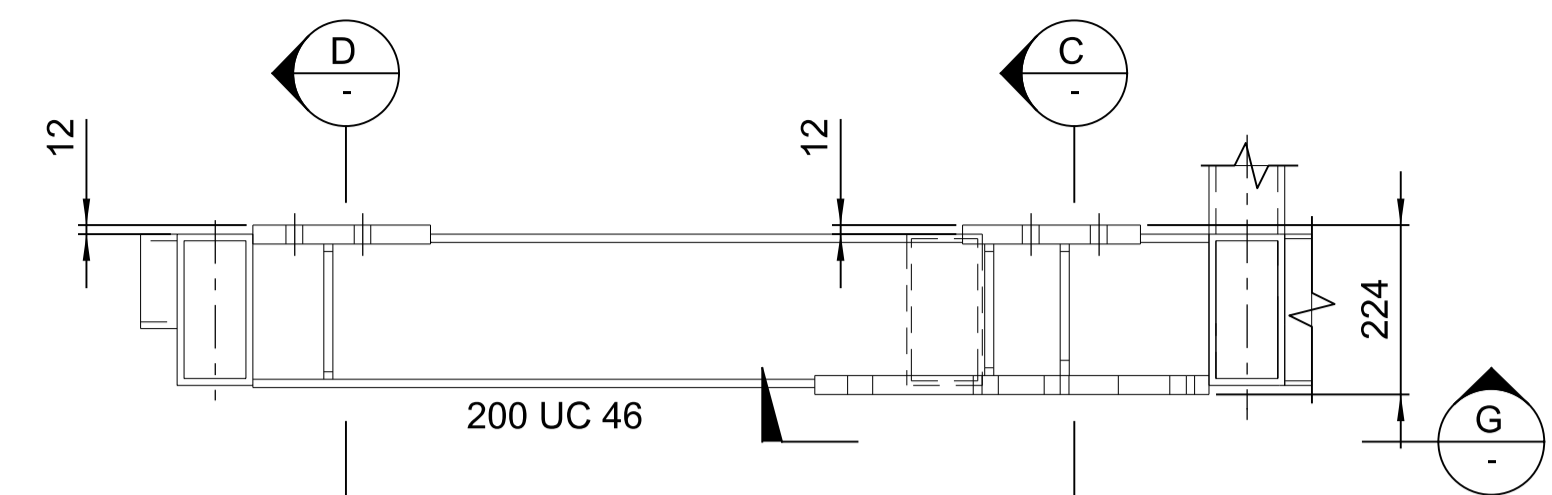
DRAWING No.  
**255260-M-093**



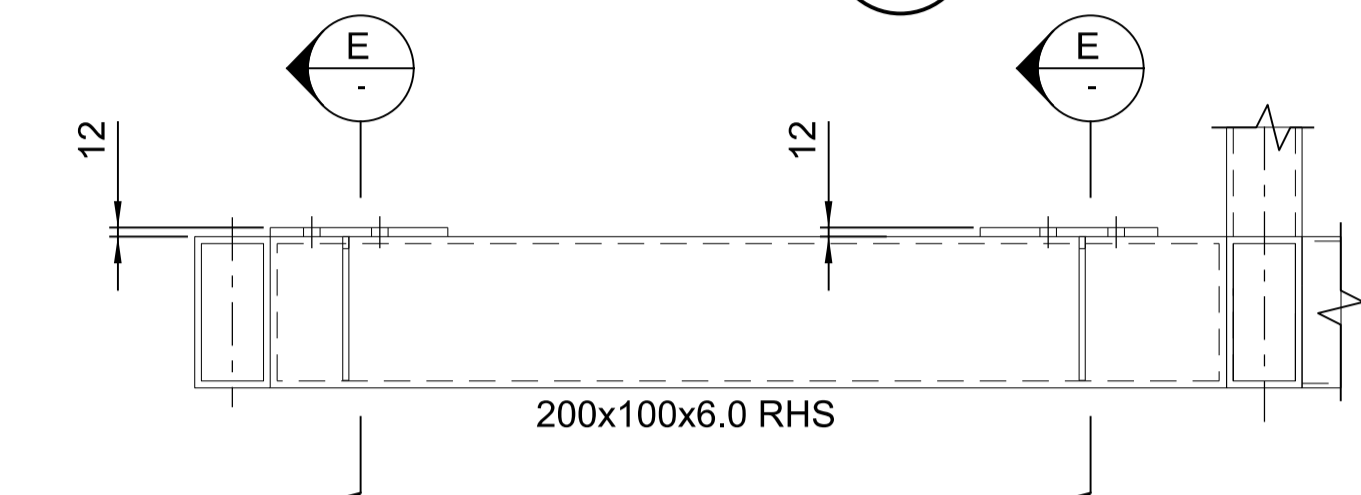
**DETAIL 1**  
1:10 M-093



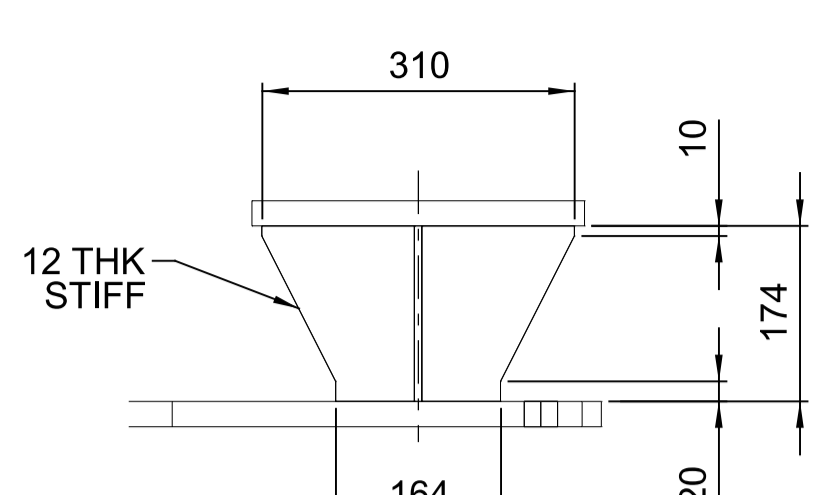
**SECTION B**  
1:10 M-093



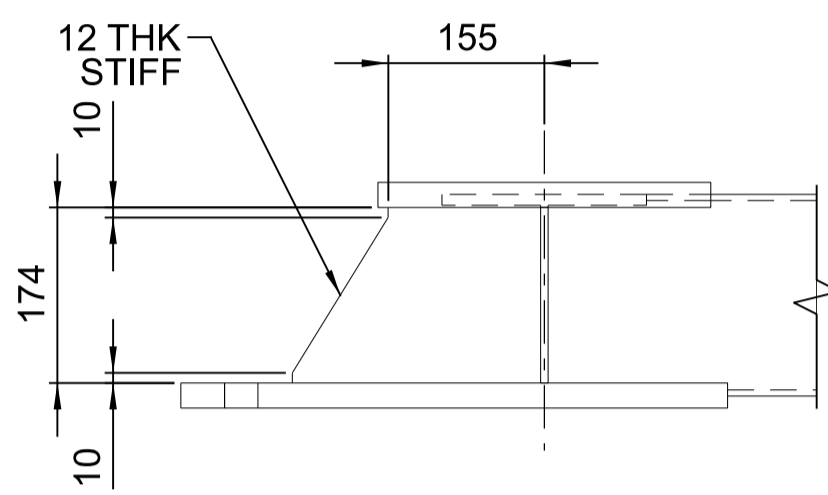
**SECTION A**  
1:10



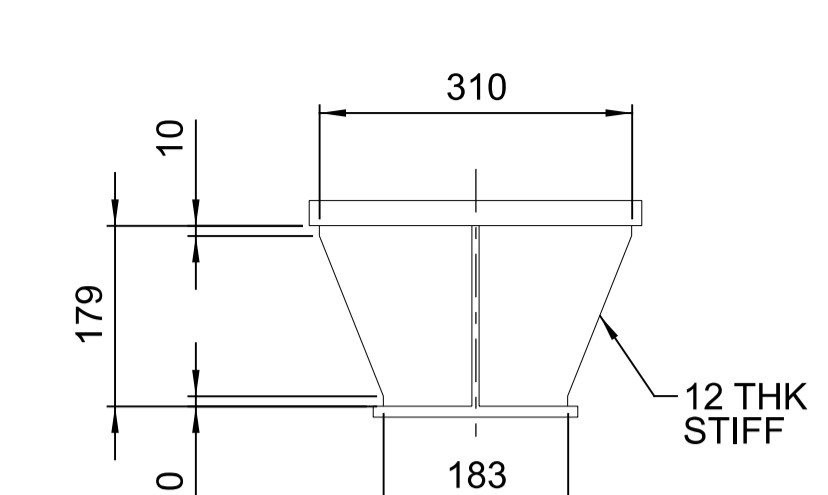
**SECTION B**  
1:10



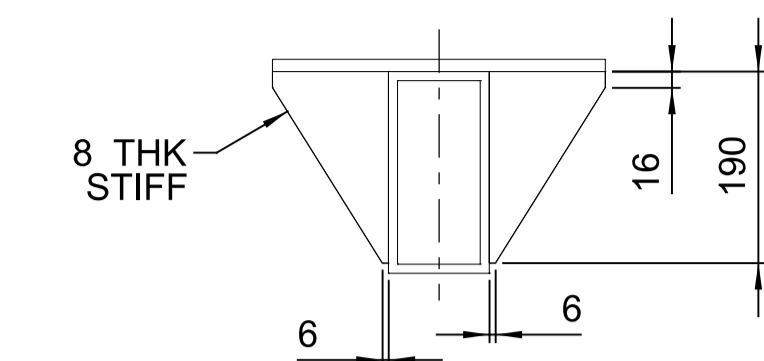
**SECTION C**  
1:7.5



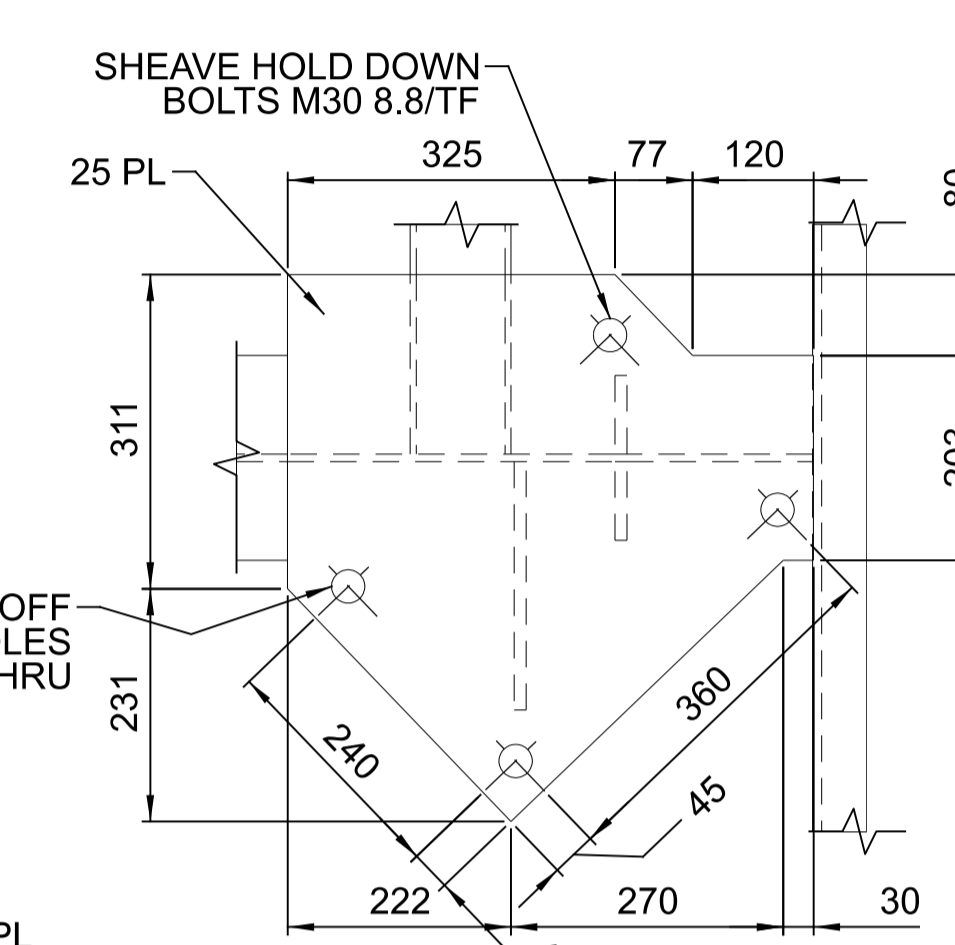
**SECTION D**  
1:7.5



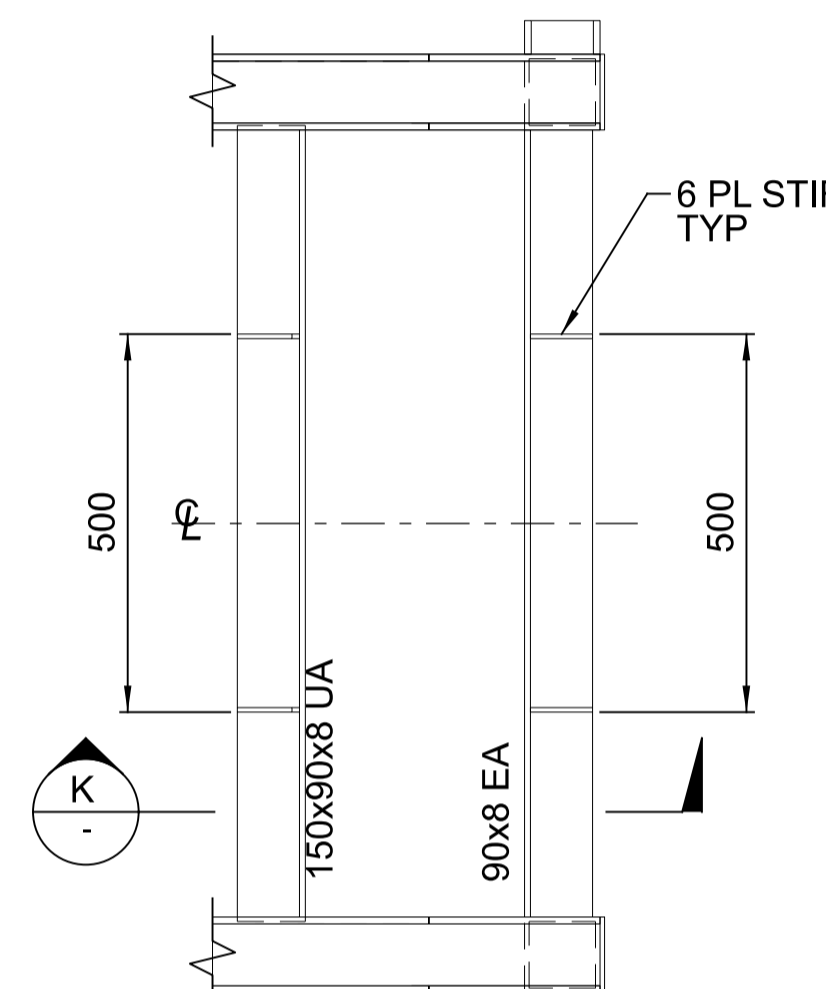
**SECTION E**  
1:7.5



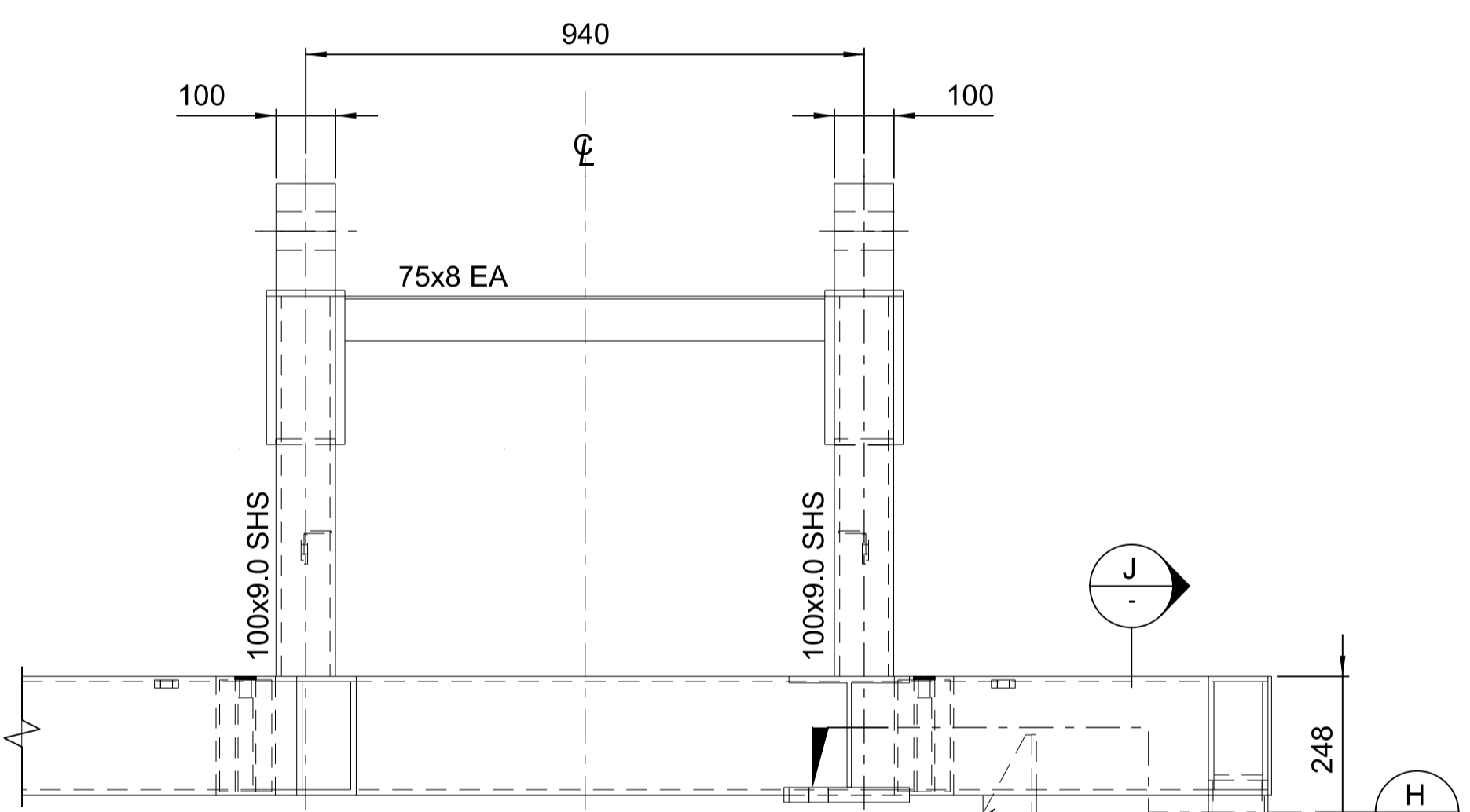
**SECTION F**  
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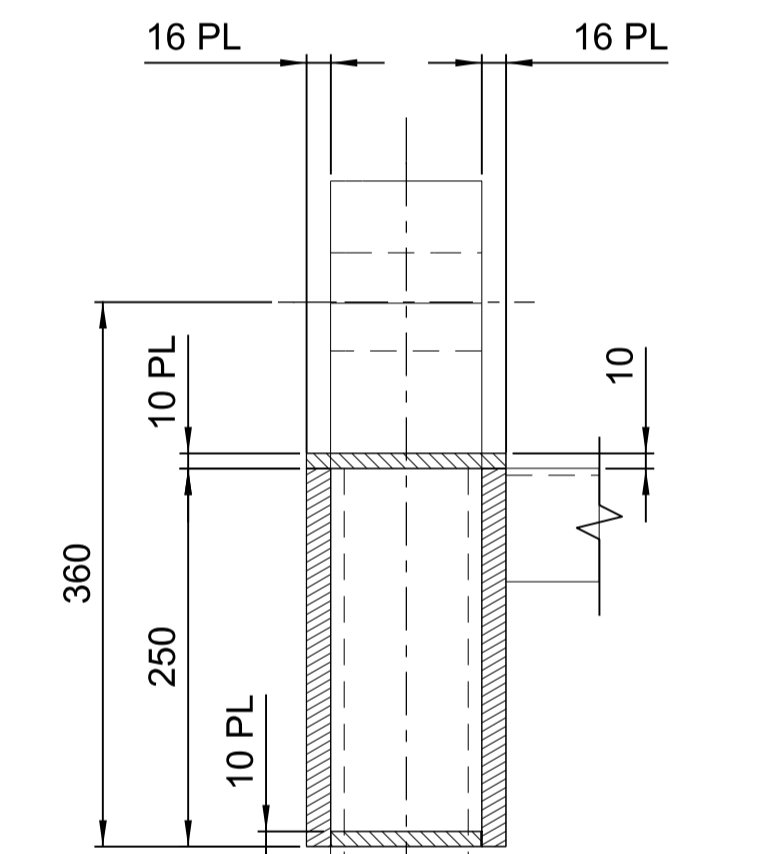
**SECTION G**  
1:7.5



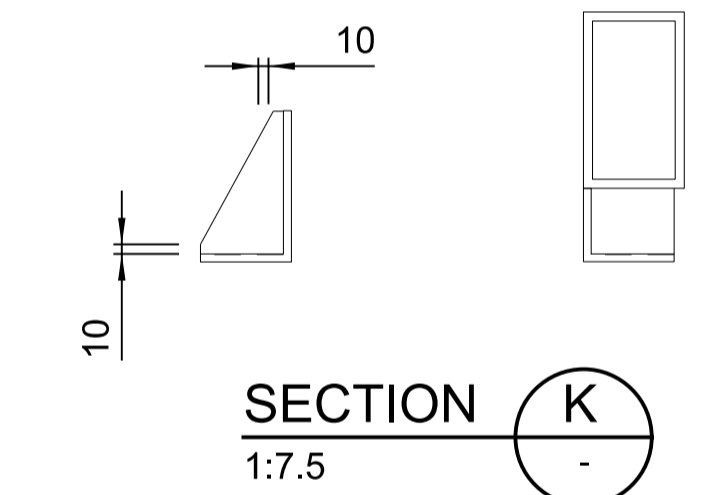
**SECTION H**  
1:10



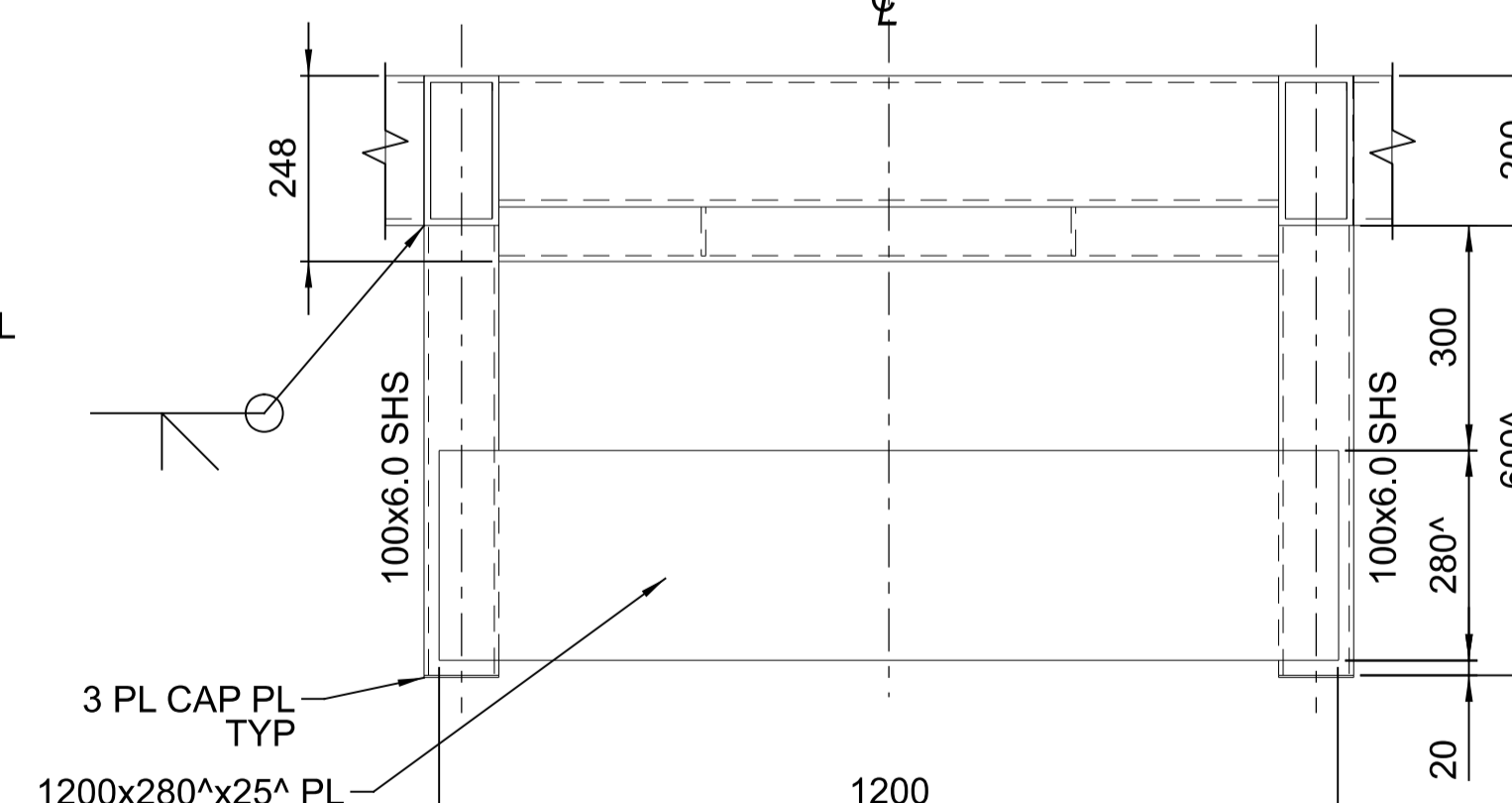
**SECTION I**  
1:10 M-093



**SECTION J**  
1:10 M-093



**SECTION K**  
1:7.5



**SECTION L**  
1:10

**SECTION L**  
PLATFORM COUNTERWEIGHT

**COUNTERWEIGHT NOTES:**

1. COUNTER WEIGHT AS DETAILED 50kg
2. MASS OF COUNTERWEIGHT TO BE DETERMINED DURING FINAL ASSEMBLY WHEN ALL EQUIPMENT IS INSTALLED
3. DIMENSIONS MARKED \* TO BE MODIFIED TO INCREASE OR DECREASE MASS AS REQUIRED

**NOTES:**  
1. FOR STANDARD NOTES REFER DRAWING 255000-STD-001



												DRAWING No.		
												255260-M-094		
0		15.10.21		ISSUED FOR CONSTRUCTION		C.G		M.F		G.H.		SCALE AS NOTED		
REV	DATE	REVISION DETAILS		DRN	DES	APP	REFERENCE DRAWINGS		REF NUMBER		CLIENT	FOR CONSTRUCTION	REV 0	A1



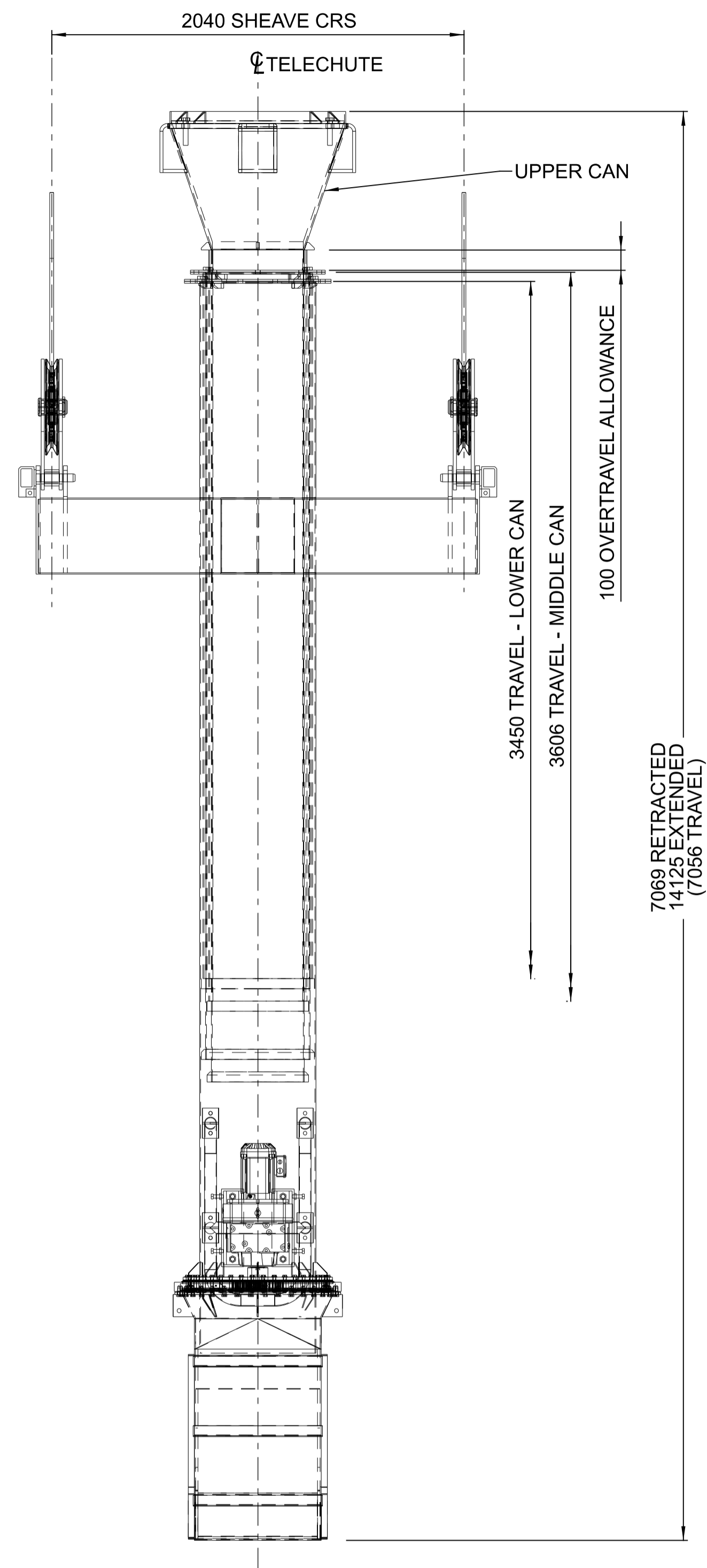
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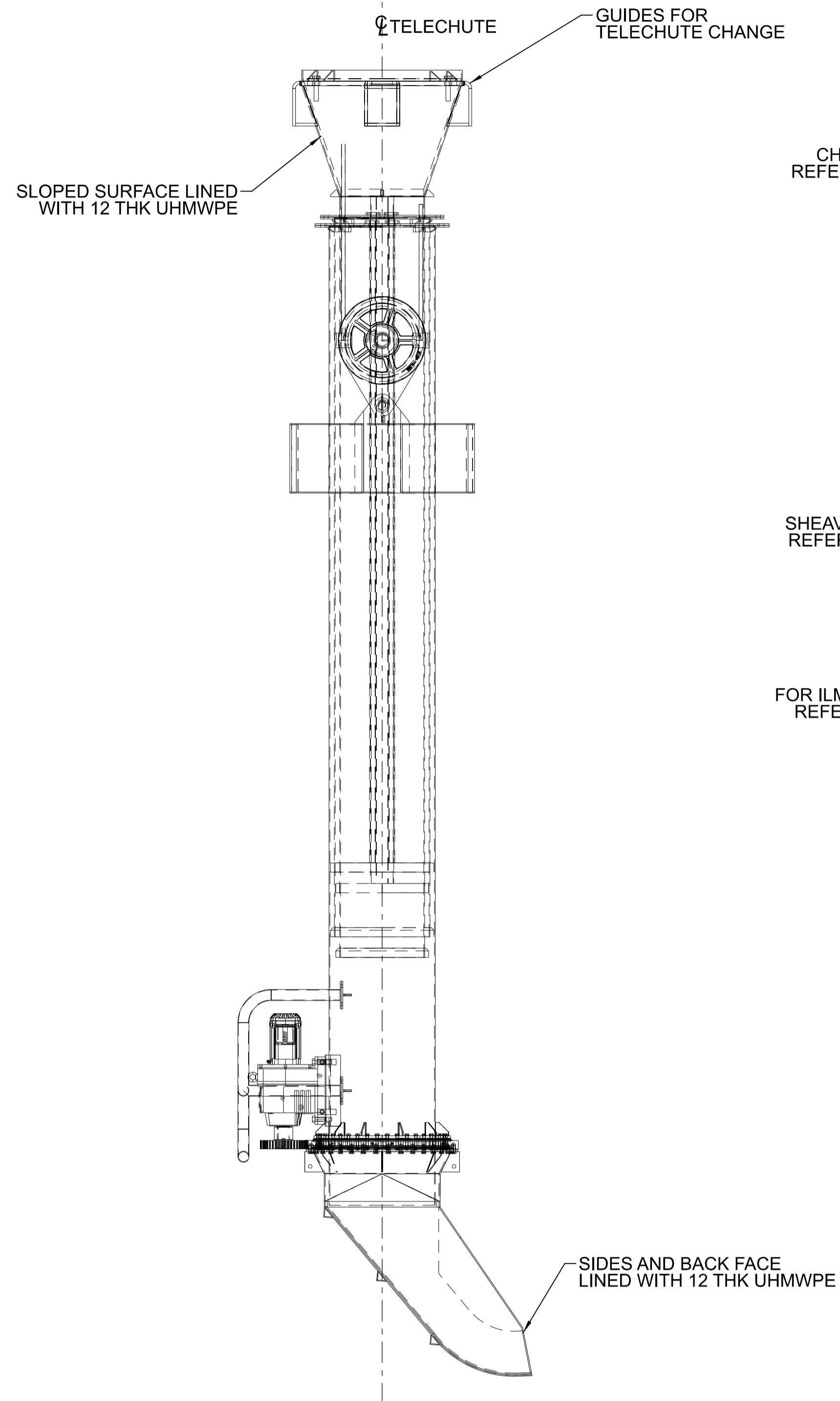
DRAWN	C.GOODRICH	15.10.21
DESIGN	M.FRENDO	15.10.21
VERIFY	L.WILLIAMS	15.10.21
APPROVED	G.HARGREAVES	15.10.21

PORT OF BUNDABERG COMMON USER INFRASTRUCTURE  
SHIPLOADER  
TELECHUTE - ILMENITE AND SUGAR  
WINCH PLATFORM STRUCTURE  
DETAILS SHEET 2

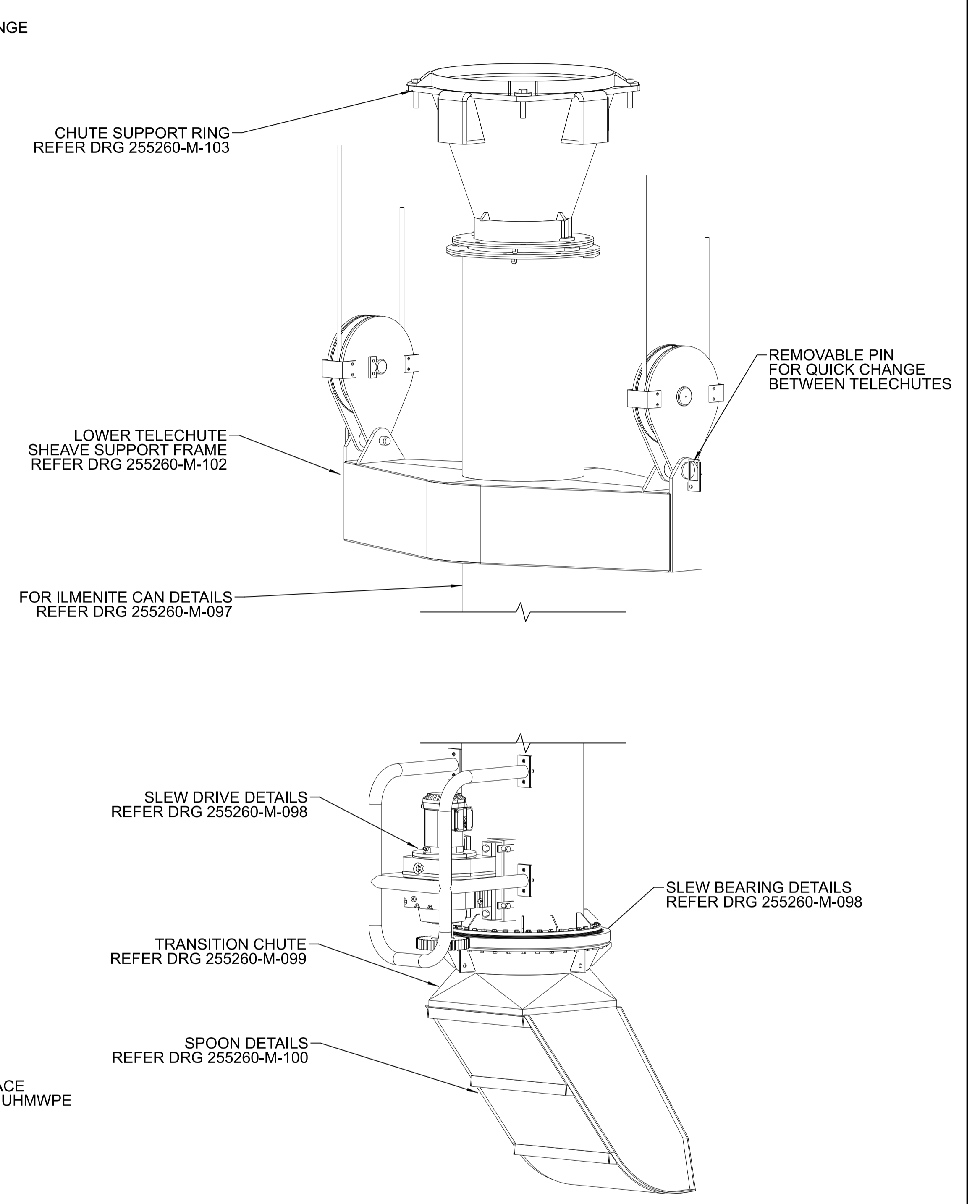




ELEVATION - IMENITE TELECHUTE  
SCALE 1:20



END ELEVATION  
SCALE 1:20



TELECHUTE 3D VIEW  
N.T.S.



REV	DATE	REVISION DETAILS	DRN	DES	APP	REFERENCE DRAWINGS	REF NUMBER
0	15.10.21	ISSUED FOR CONSTRUCTION	N.M	M.F	G.H		



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 THIRD ANGLE PROJECTION U.N.O.  
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DRAWN	N.MOBSBY	15.10.21
DESIGN	M.FRENDI	15.10.21
VERIFY	L.WILLIAMS	15.10.21
APPROVED	G.HARGREAVES	15.10.21

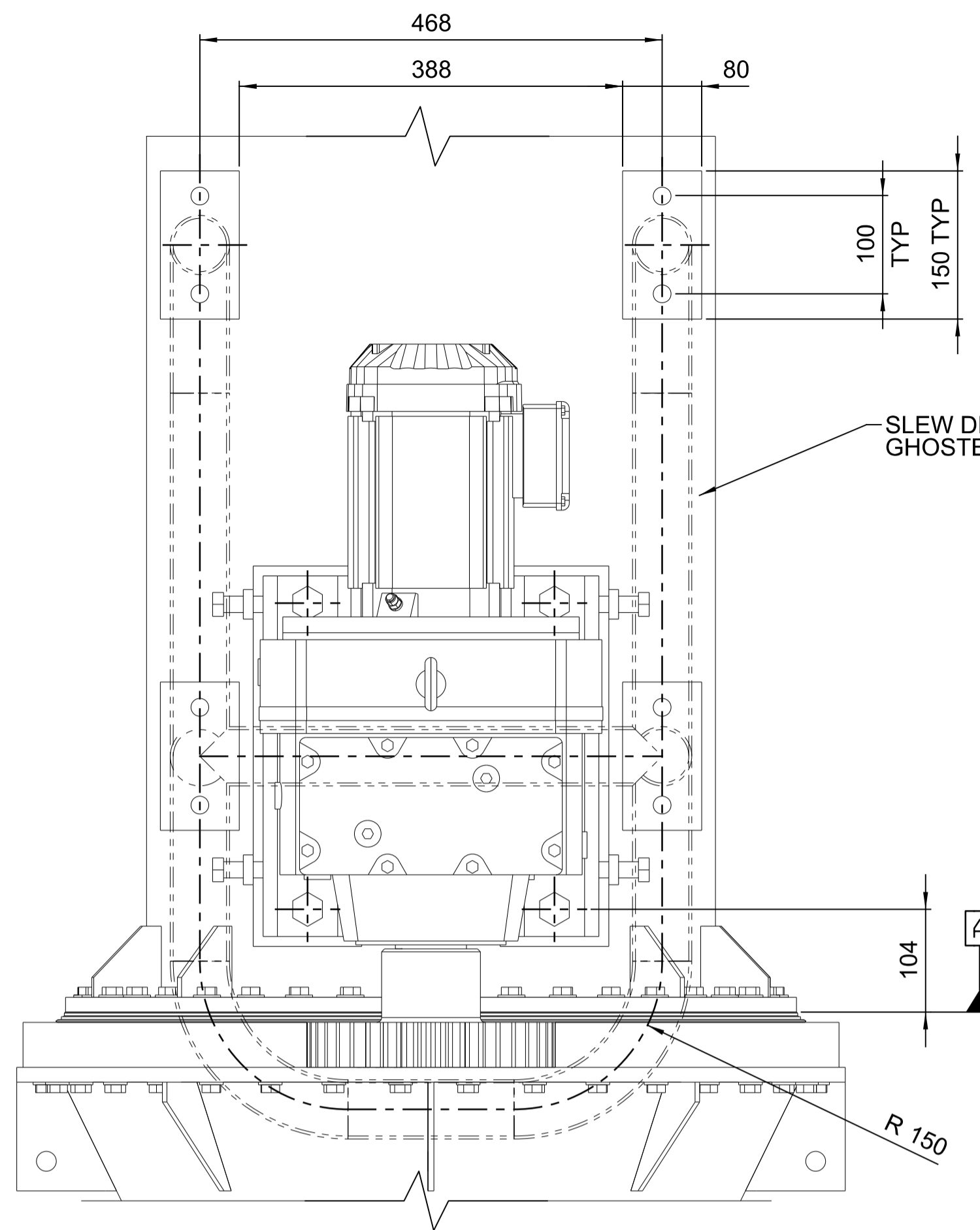
**FOR CONSTRUCTION**

PORT OF BUNDABERG COMMON USER INFRASTRUCTURE  
 SHIPLOADER  
 TELECHUTE - ILMENITE  
 GENERAL ARRANGEMENT

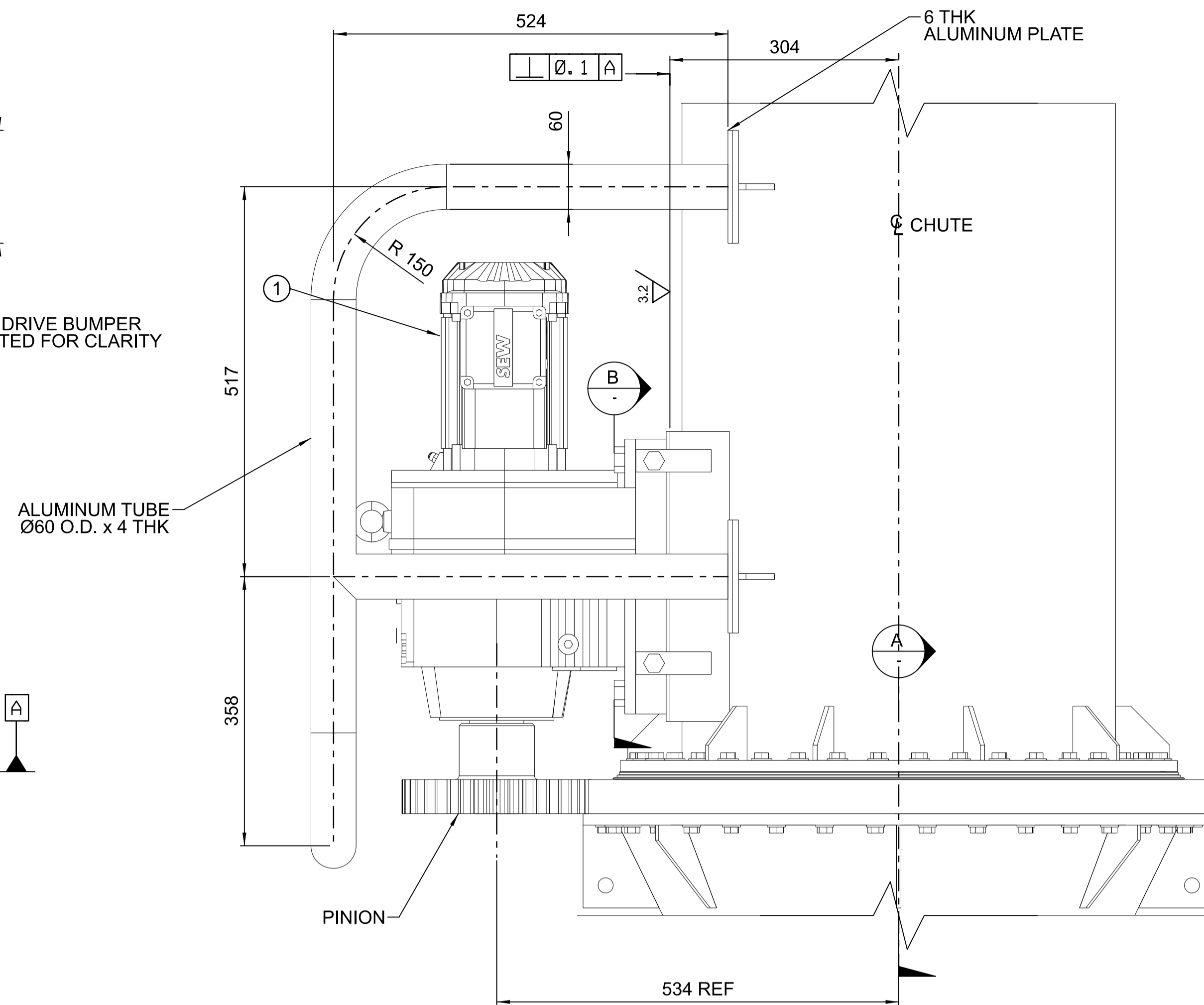
DRAWING No.		
<b>255260-M-096</b>		
SCALE AS NOTED	REV 0	A1



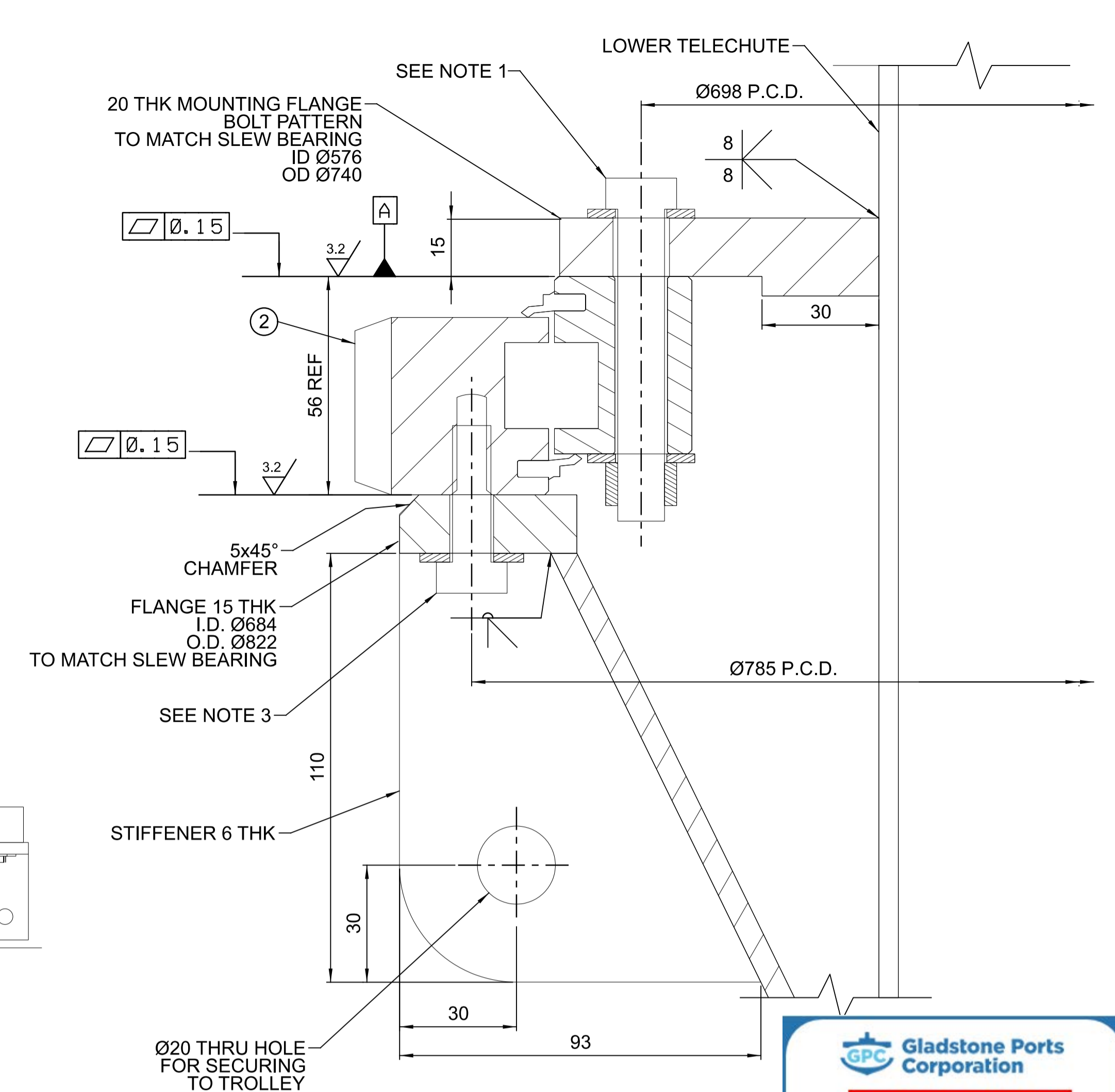




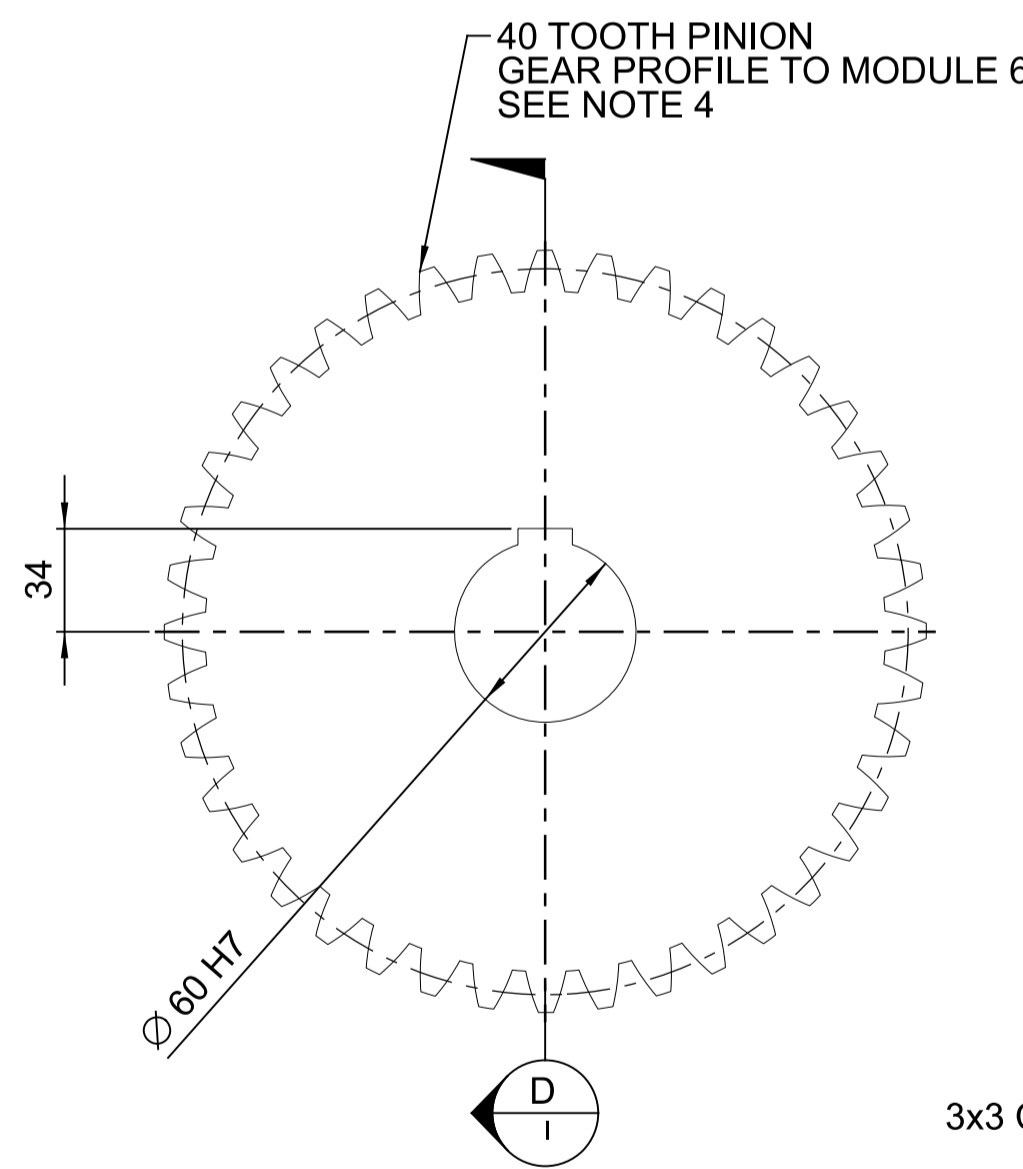
SLEW DRIVE MOUNT FRONT  
SCALE 1:5



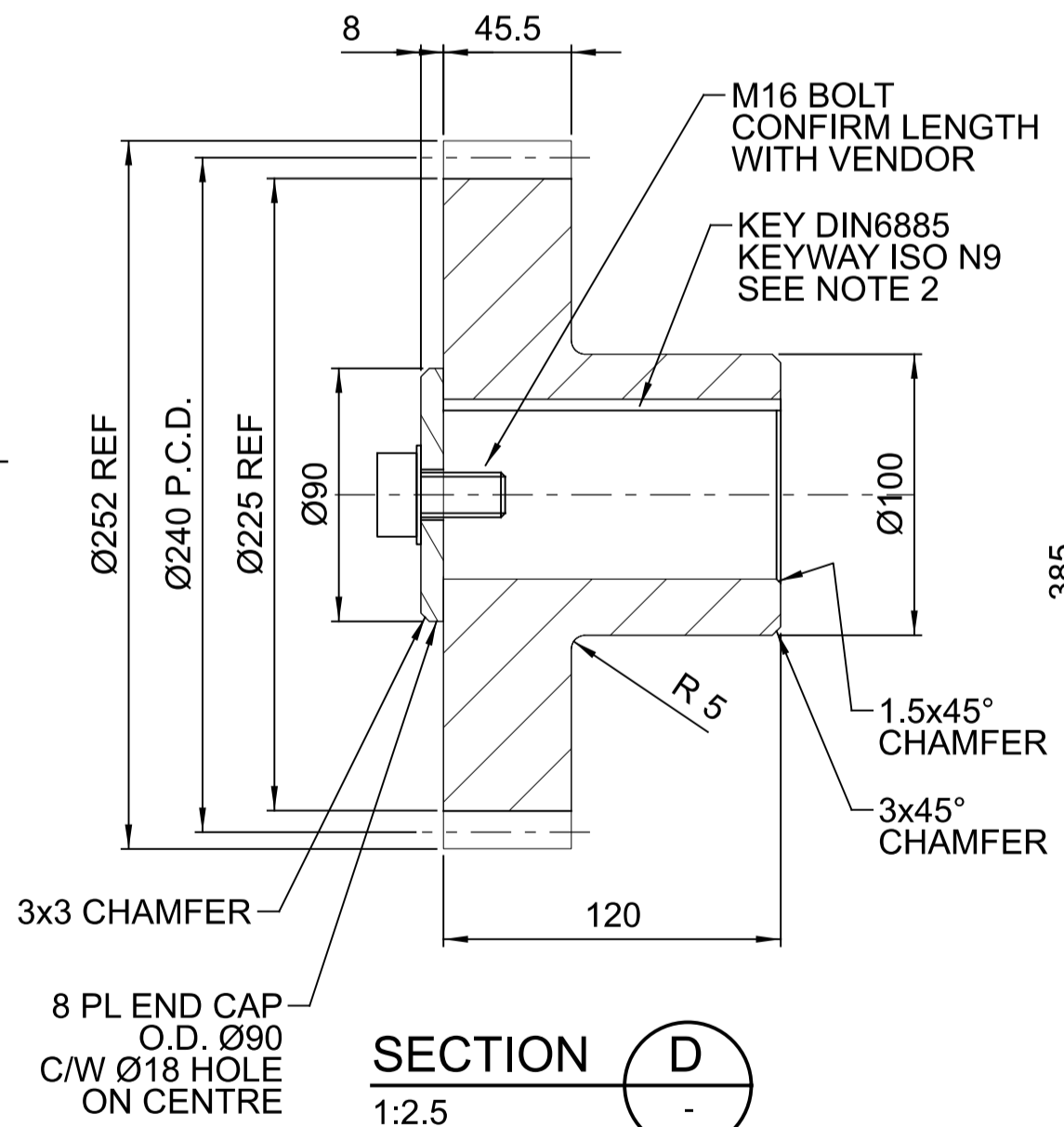
ELEVATION OF SLEW ARRANGEMENT  
SCALE 1:5



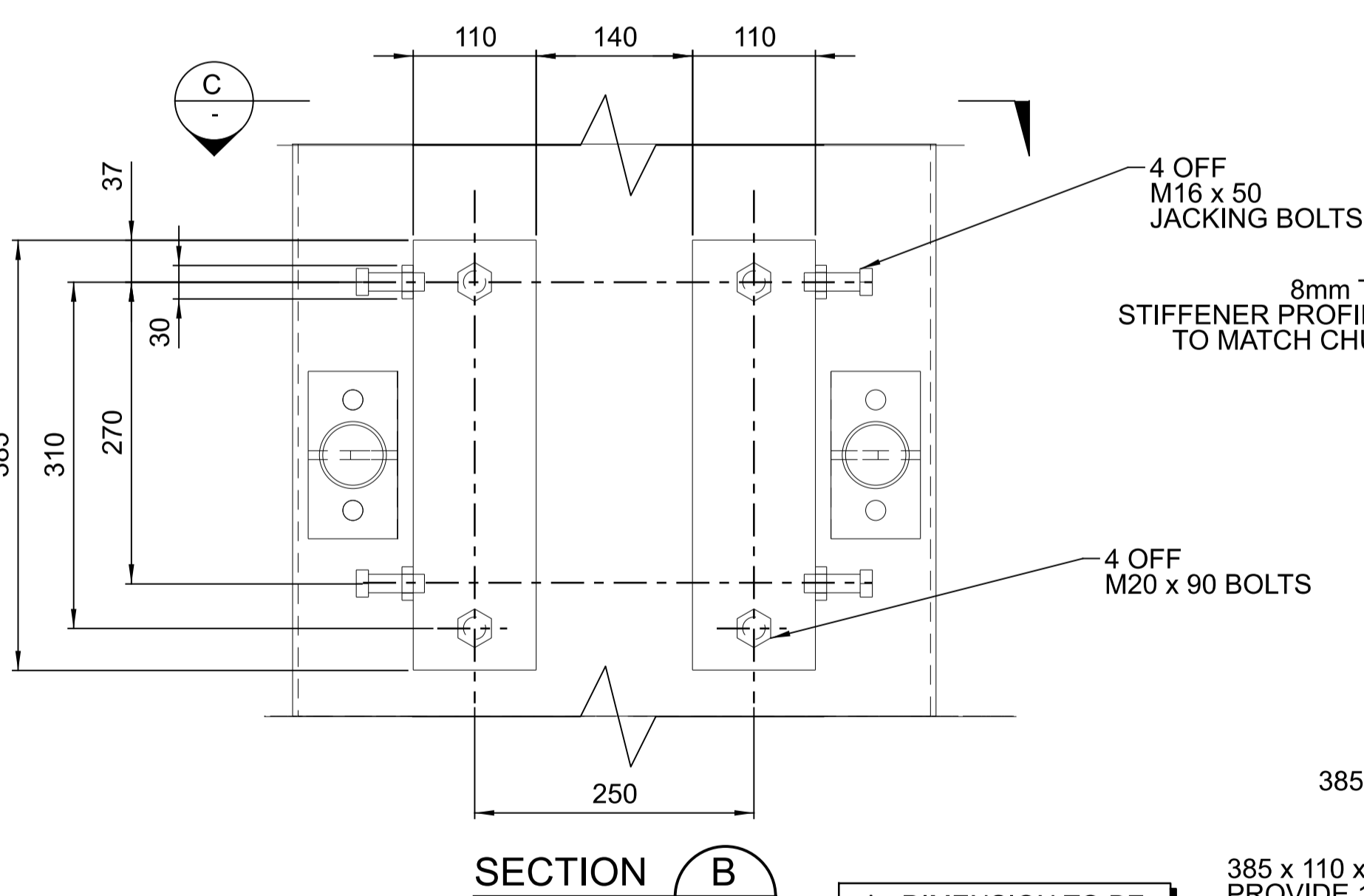
SECTION A  
1:1



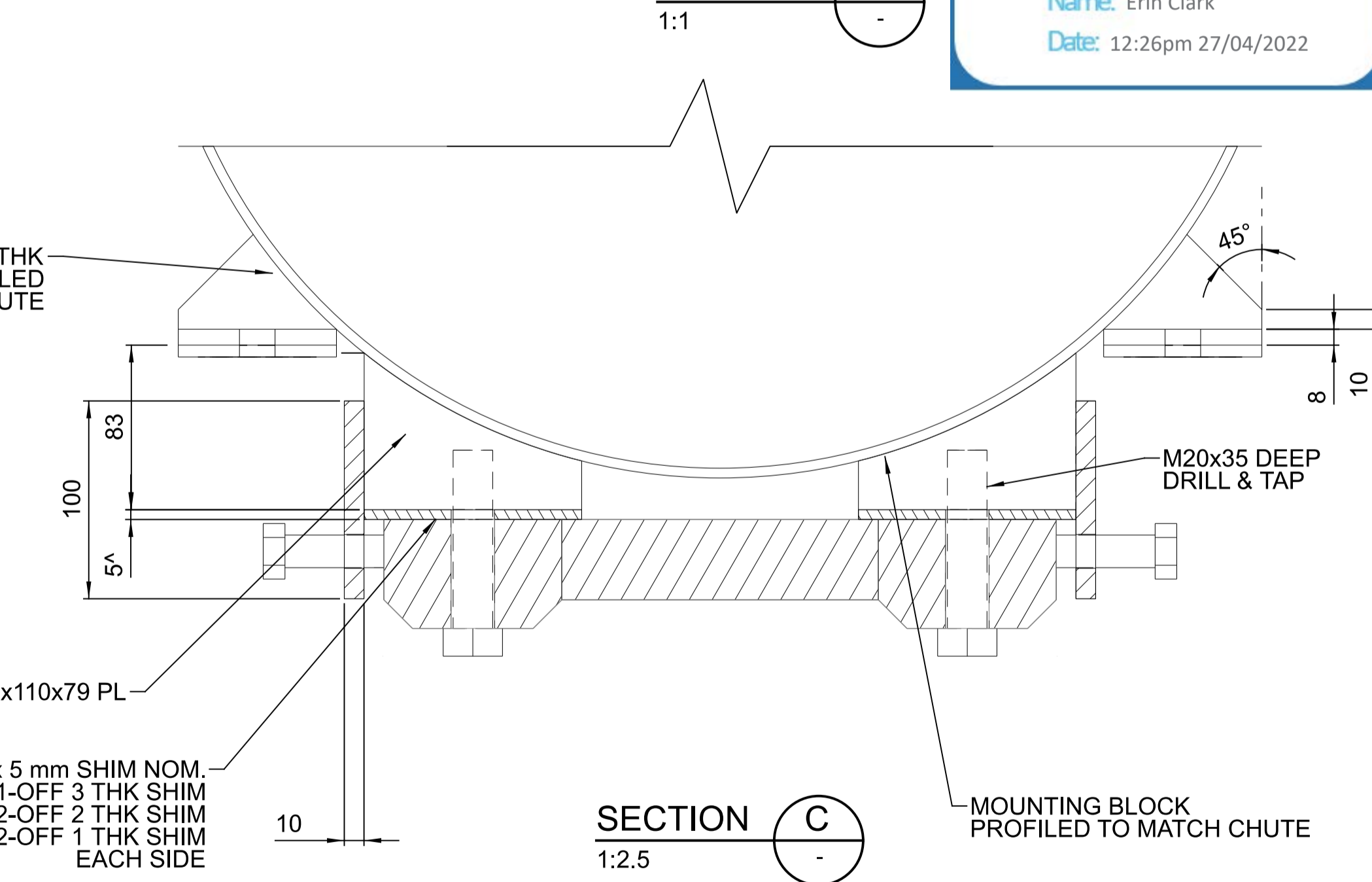
PINION DETAIL  
SCALE 1:2.5



SECTION D  
1:2.5



SECTION B  
1:5



SECTION C  
1:2.5

NOTES:

- FOR STANDARD NOTES REFER DRAWING 255000-STD-001
- ALL EQUIPMENT DIMENSIONS SHALL BE CONFIRMED WITH CERTIFIED VENDOR INFORMATION
- SLEW BEARING FASTENER DETAILS & TORQUE SPECIFICATION TO BE CONFIRMED WITH SLEW BEARING MANUFACTURER
- GEAR PROFILE SHALL BE MODIFIED AS PER SLEW GEAR SPECIFICATIONS, INCLUDING TIP FLANK RELIEF AND TIP EDGE ROUNDING. MATERIAL TO BE HARDENED CARBON STEEL. GRADE BE CONFIRMED WITH SLEW BEARING MANUFACTURER.

ITEM	DESCRIPTION	SUPPLIER	MAKE	MODEL	SPECIFICATIONS	QTY	UNIT
1	SLEW DRIVE	SEW	SEW R SERIES GEAR MOTOR	"R97 DRN90L4/BE2HF/C I=126.75"	REINFORCED BEARING AND 42CRMO SHAFT	1	ITEM
2	SLEW BEARING WITH EXTERNAL GEAR	MOTION ASIA PACIFIC	TK ROTHE ERDE	MODEL NUMBER 061.20.0744.500.01.1503	FOUR POINT CONTACT SINGLE ROW BALL SLEWING BEARING	1	ITEM

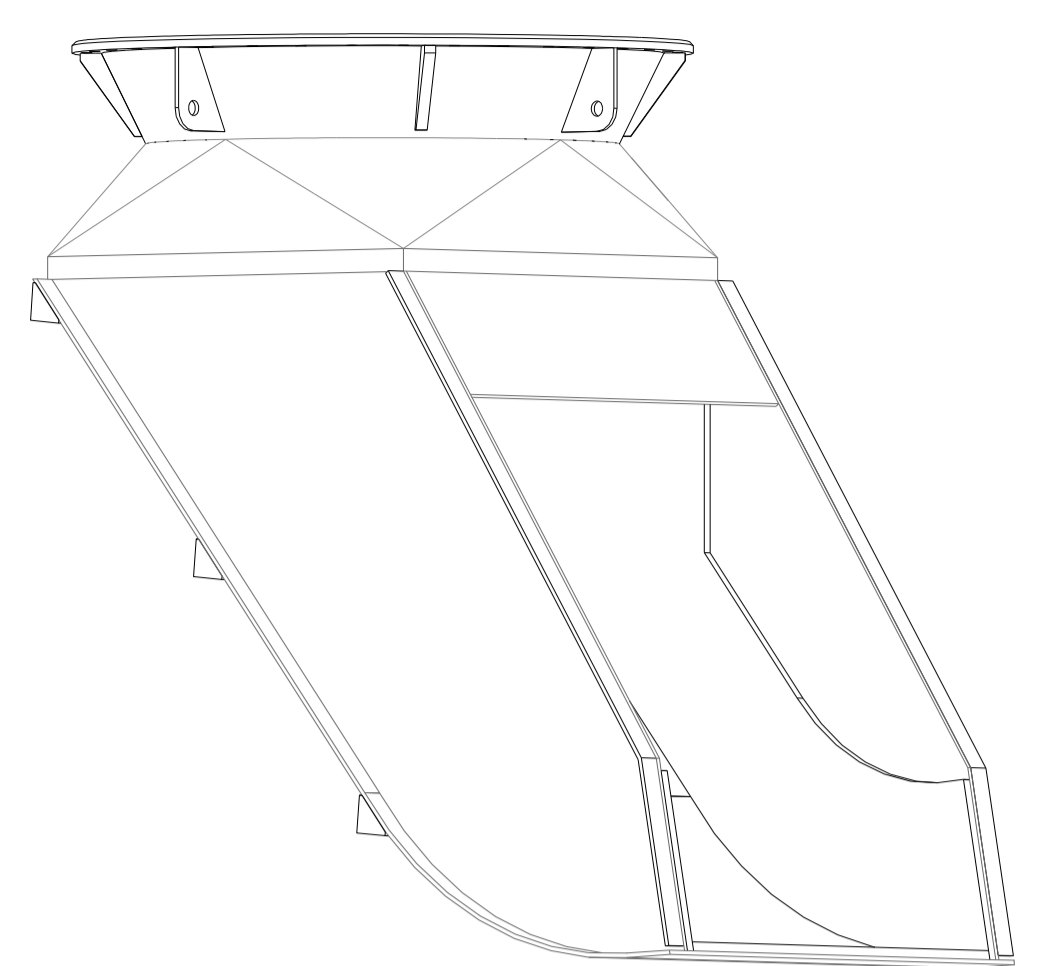
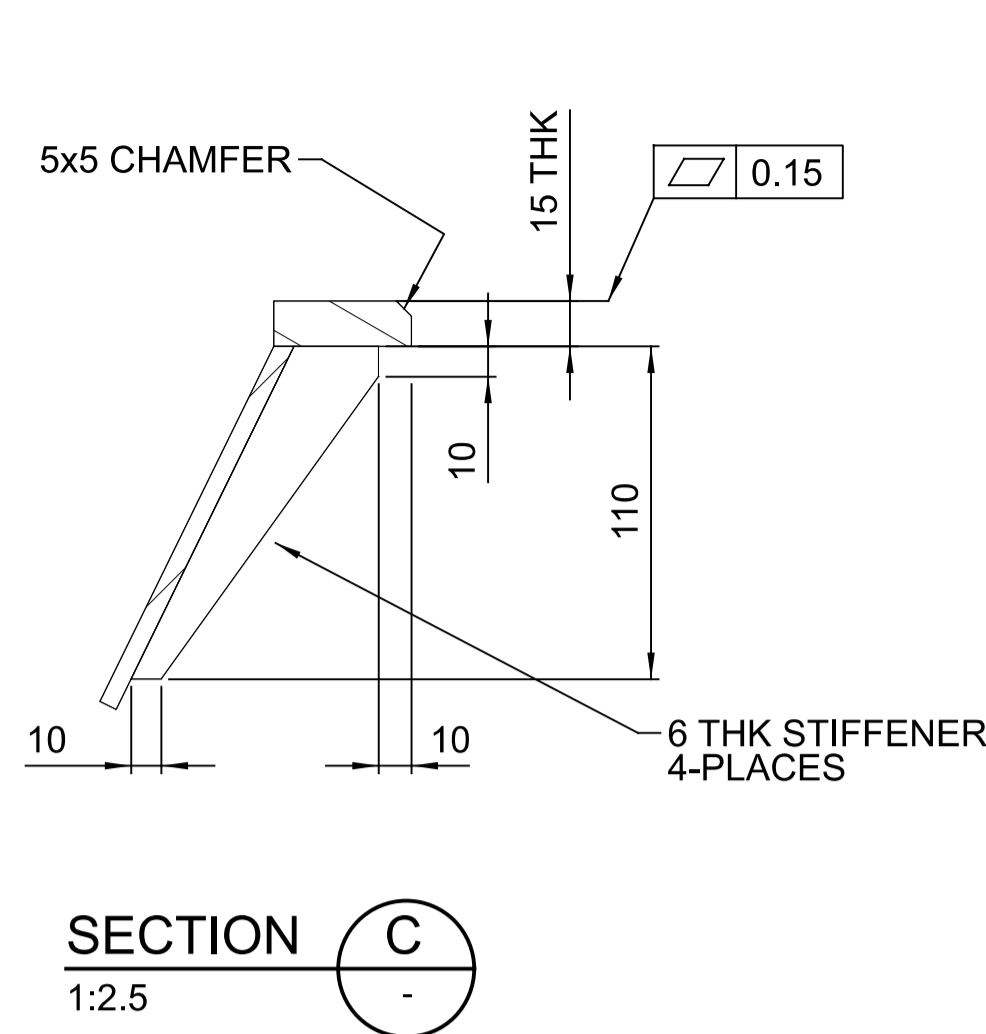
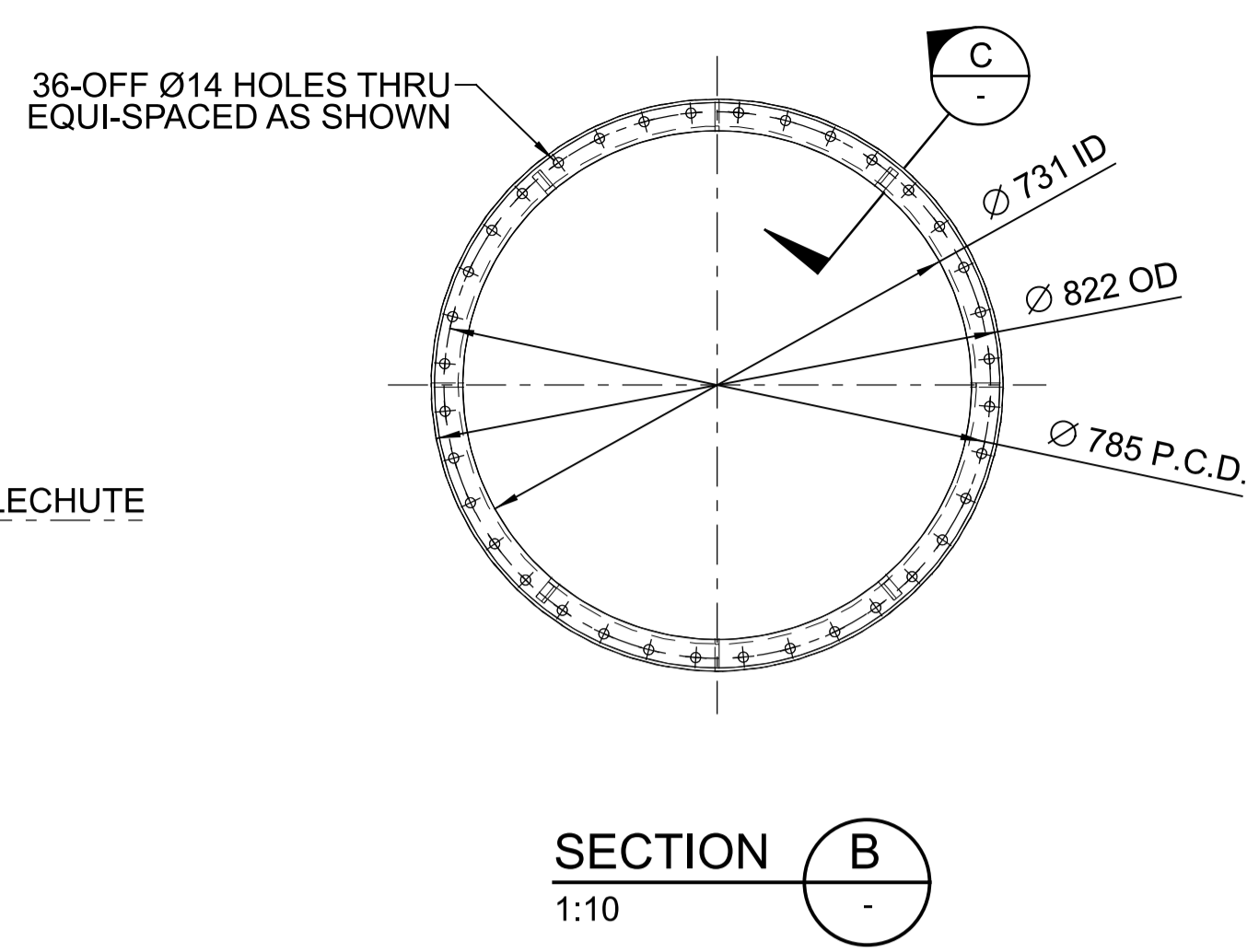
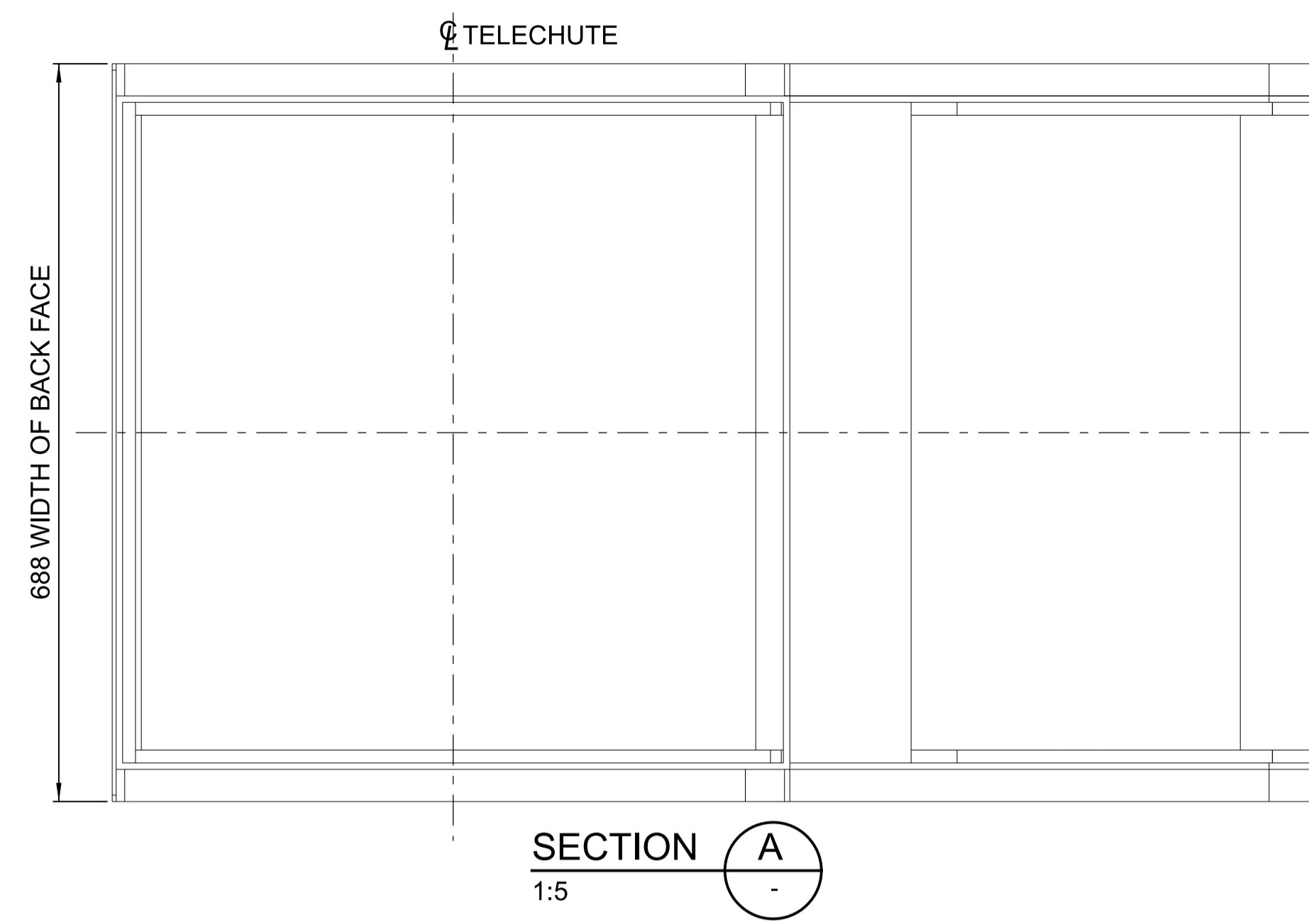
REV	DATE	ISSUED FOR CONSTRUCTION	REVISION DETAILS	DRN	M.F	G.H.	APP	REFERENCE DRAWINGS	REF NUMBER
0	15.10.21	ISSUED FOR CONSTRUCTION		N.M	M.F	G.H.			



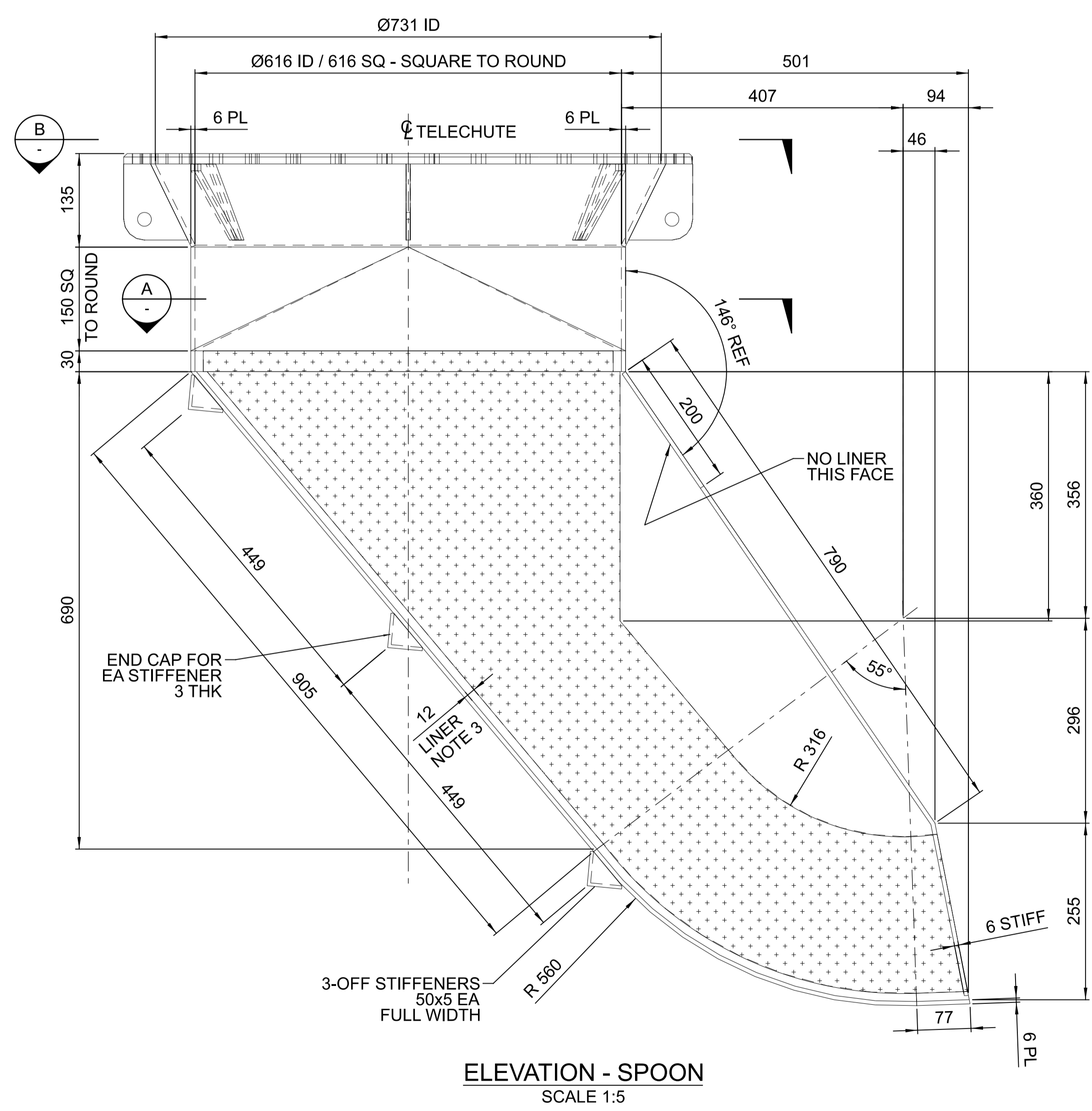
DRAWN	N.MOBSBY	15.10.21
DESIGN	M.FREND0	15.10.21
VERIFY	L.WILLIAMS	15.10.21
APPROVED	G.HARGREAVES	15.10.21

PORT OF BUNDABERG COMMON USER INFRASTRUCTURE  
SHIPLOADER  
TELECHUTE - ILMENITE  
SLEW ASSEMBLY  
DETAILS

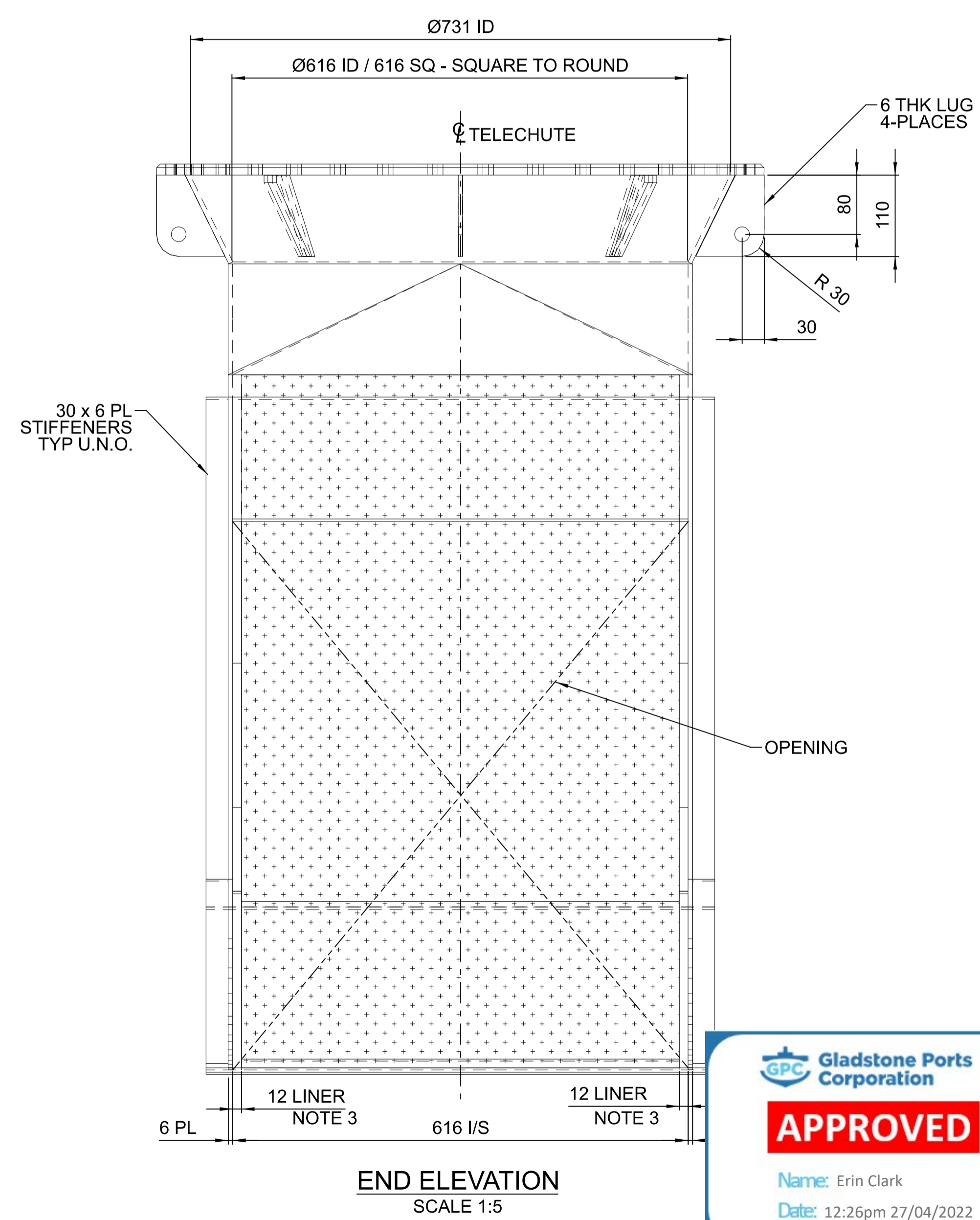
DRAWING No.
255260-M-098
SCALE AS NOTED
REV 0
A1



3D VIEW  
N.T.S.



ELEVATION - SPOON  
SCALE 1:5



END ELEVATION  
SCALE 1:5



- NOTES
1. FOR STANDARD NOTES REFER DRG No. 255000-S-001
  2. ALL CHUTE DIMENSIONS ARE TO I/S OF CHUTE WALL WHERE APPLICABLE
  3. LINER MATERIAL TIVAR88 UHMWPE, SIDES TO USE WELD WASHER CONNECTION, BACK FACE TO USE THROUGH BOLT CONNECTION
  4. CHUTE WORK TO BE 6mm PLATE U.N.O.

REV	DATE	REVISION DETAILS	DRN	DES	APP	REFERENCE DRAWINGS	REF NUMBER
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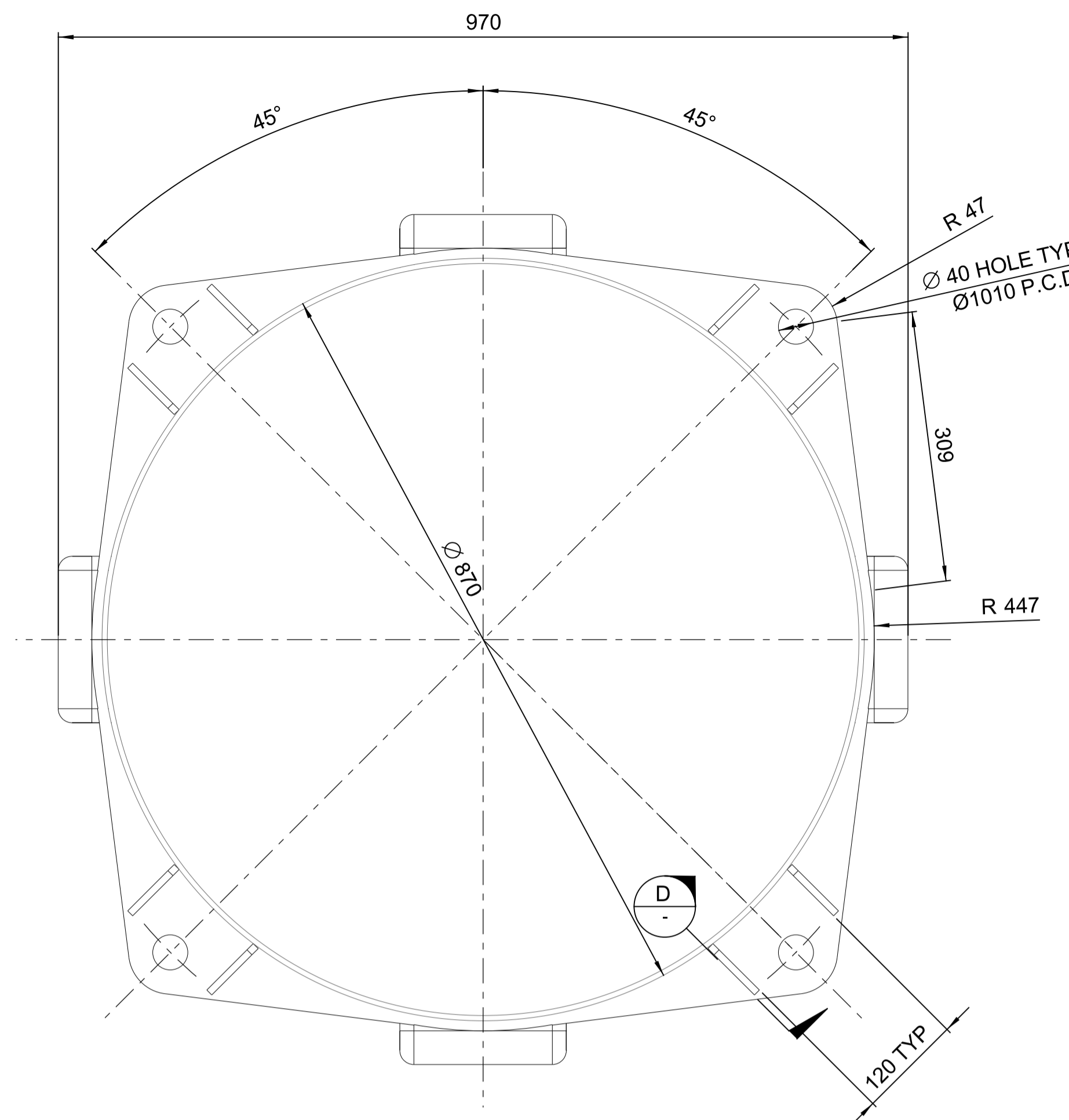


DRAWN	N.MOBSBY	15.10.21
DESIGN	M.FRENDO	15.10.21
VERIFY	L.WILLIAMS	15.10.21
APPROVED	G.HARGREVAES	15.10.21

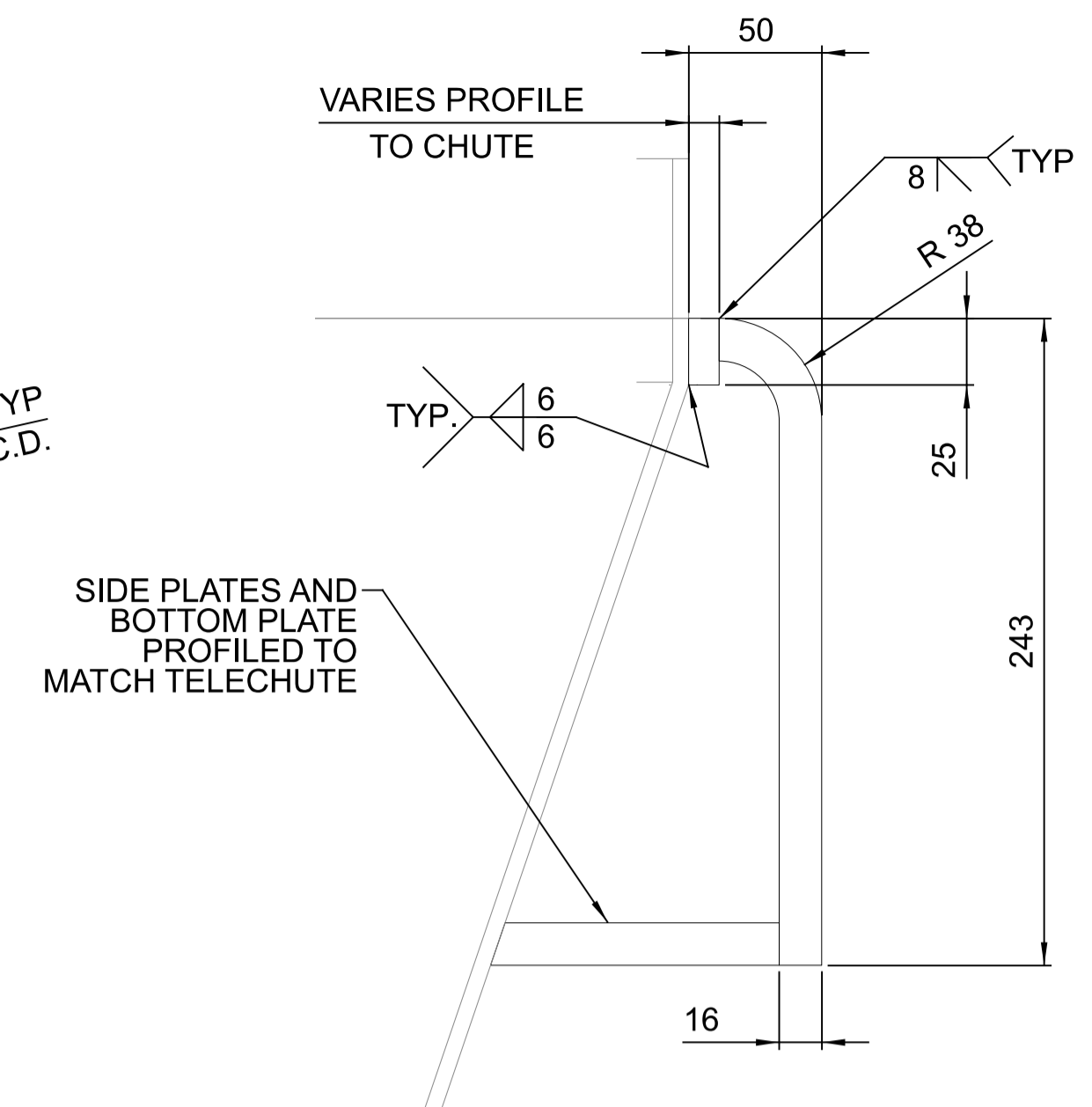
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SHIPLOADER  
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SPOON CHUTE  
DETAIL

DRAWING No.	
255260-M-100	
SCALE AS NOTED	REV 0 A1

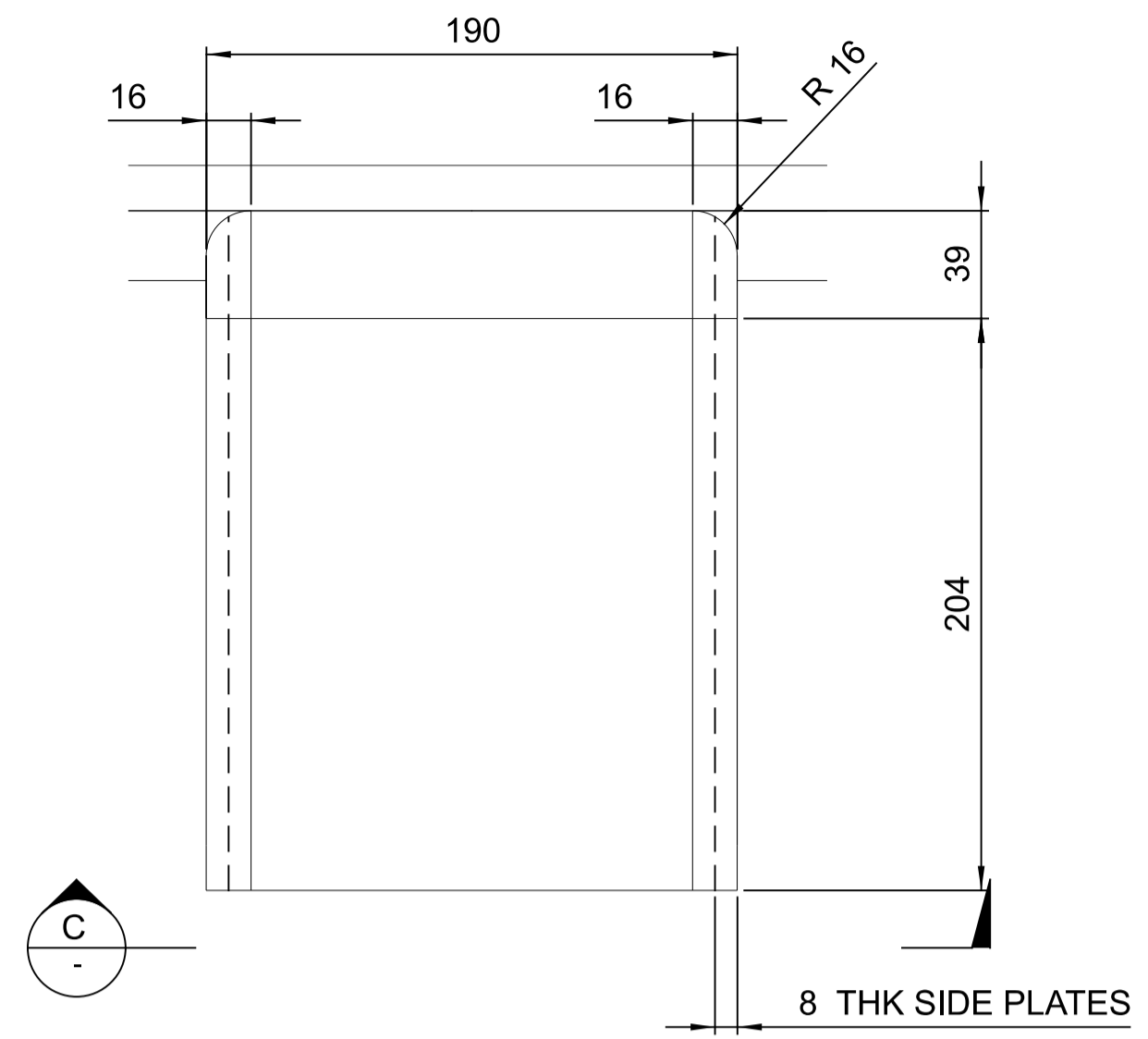




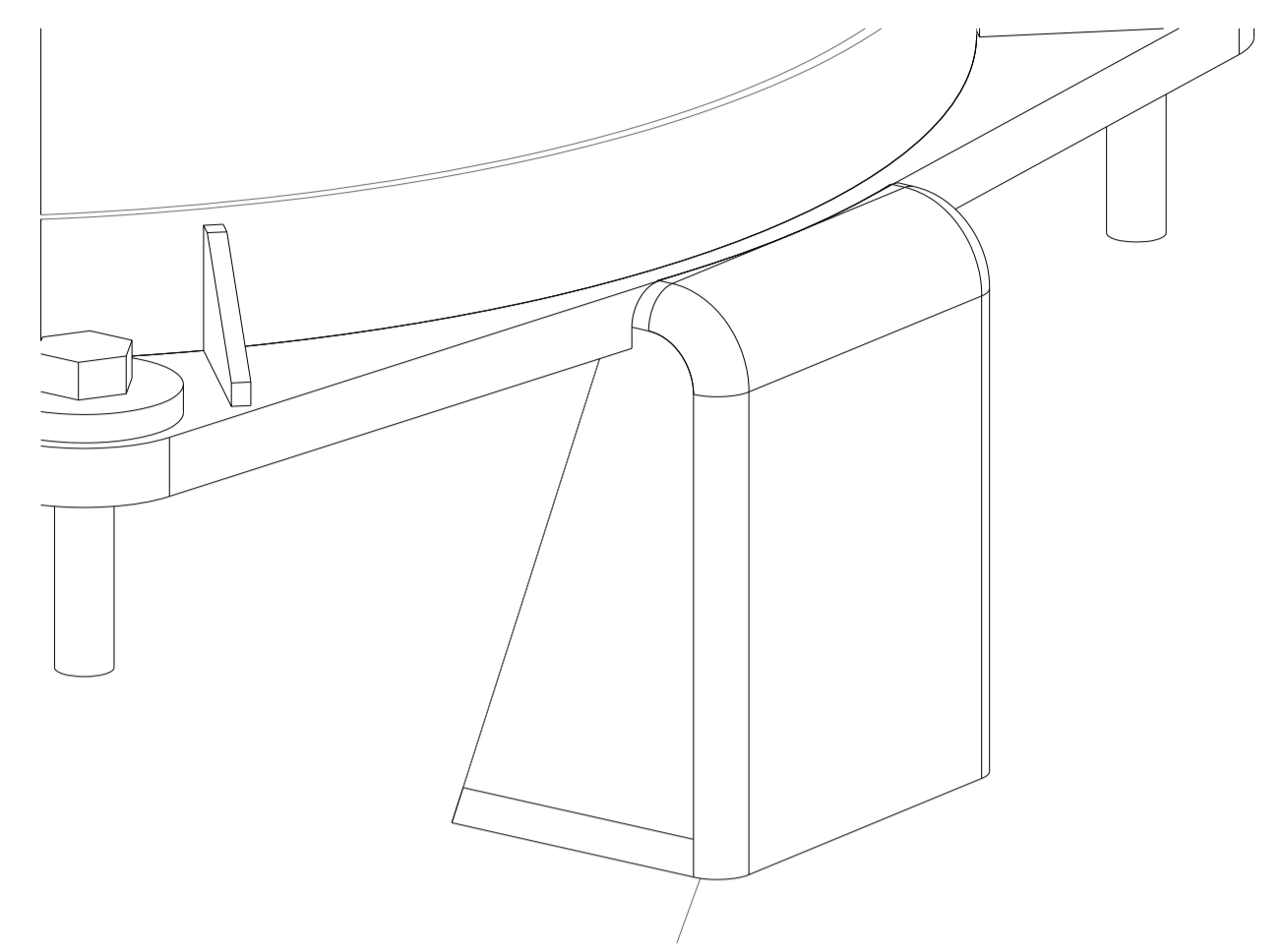
**PLAN - SUPPORT RING & GUIDES**  
SCALE 1:5



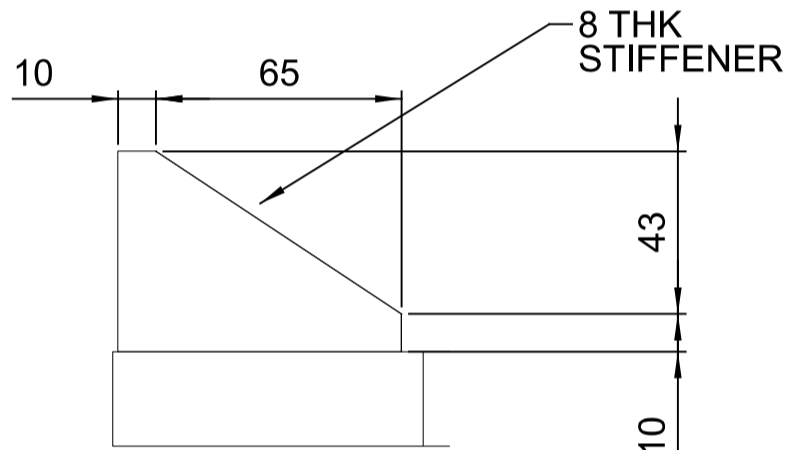
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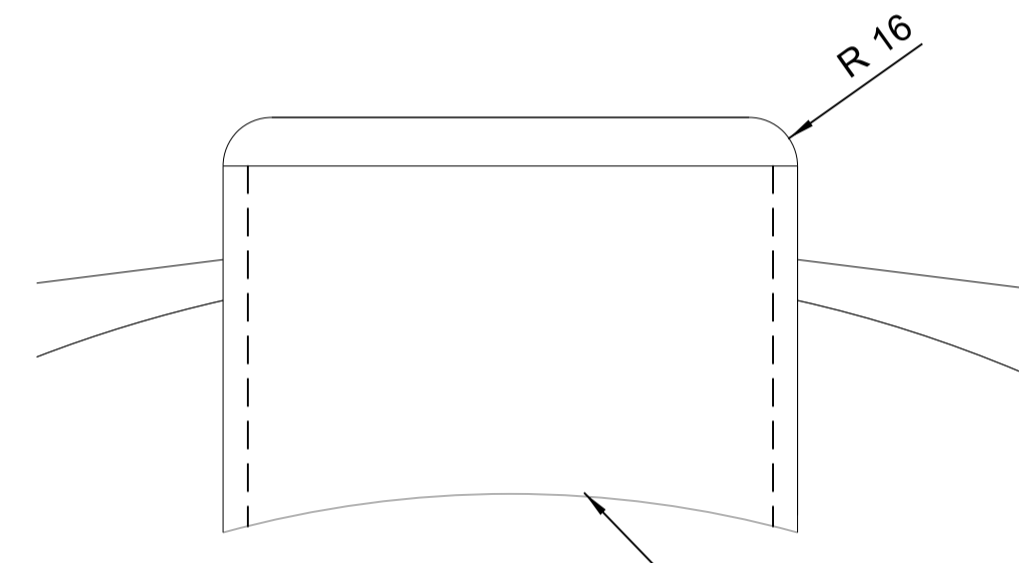
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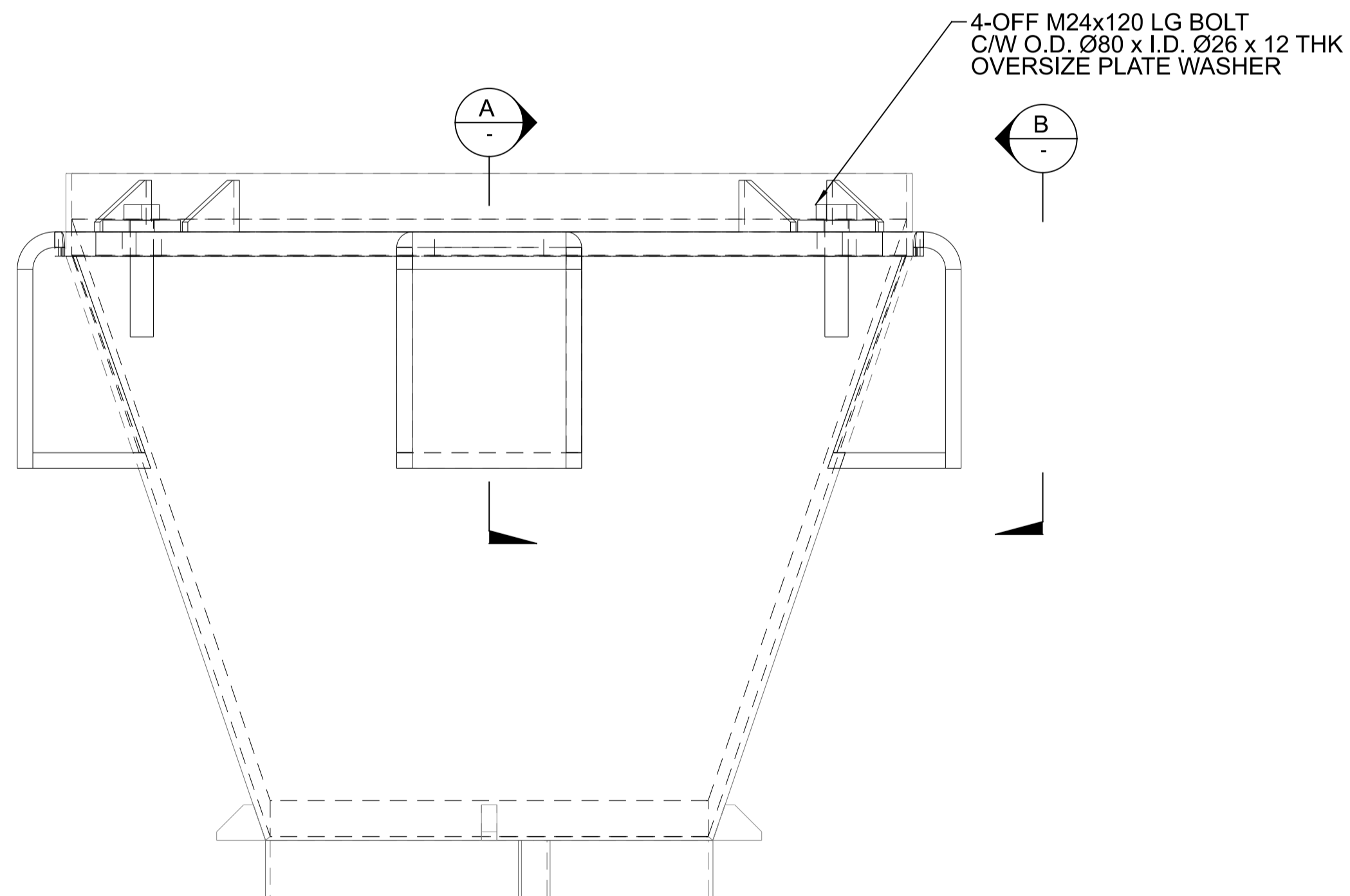
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N.T.S.



**SECTION D**  
SCALE 1:2



**SECTION C**  
1:2.5

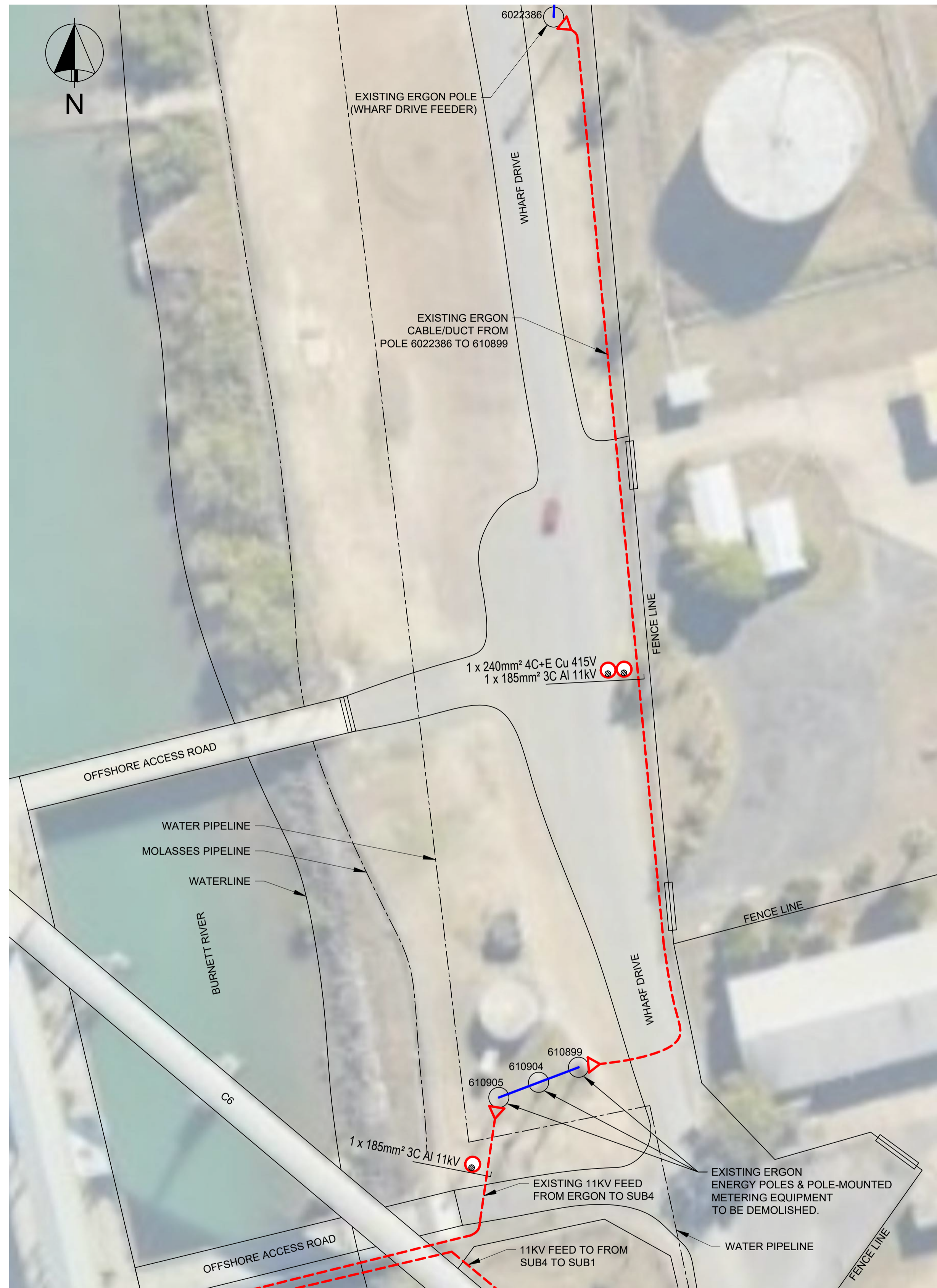


**ELEVATION**  
SCALE 1:5

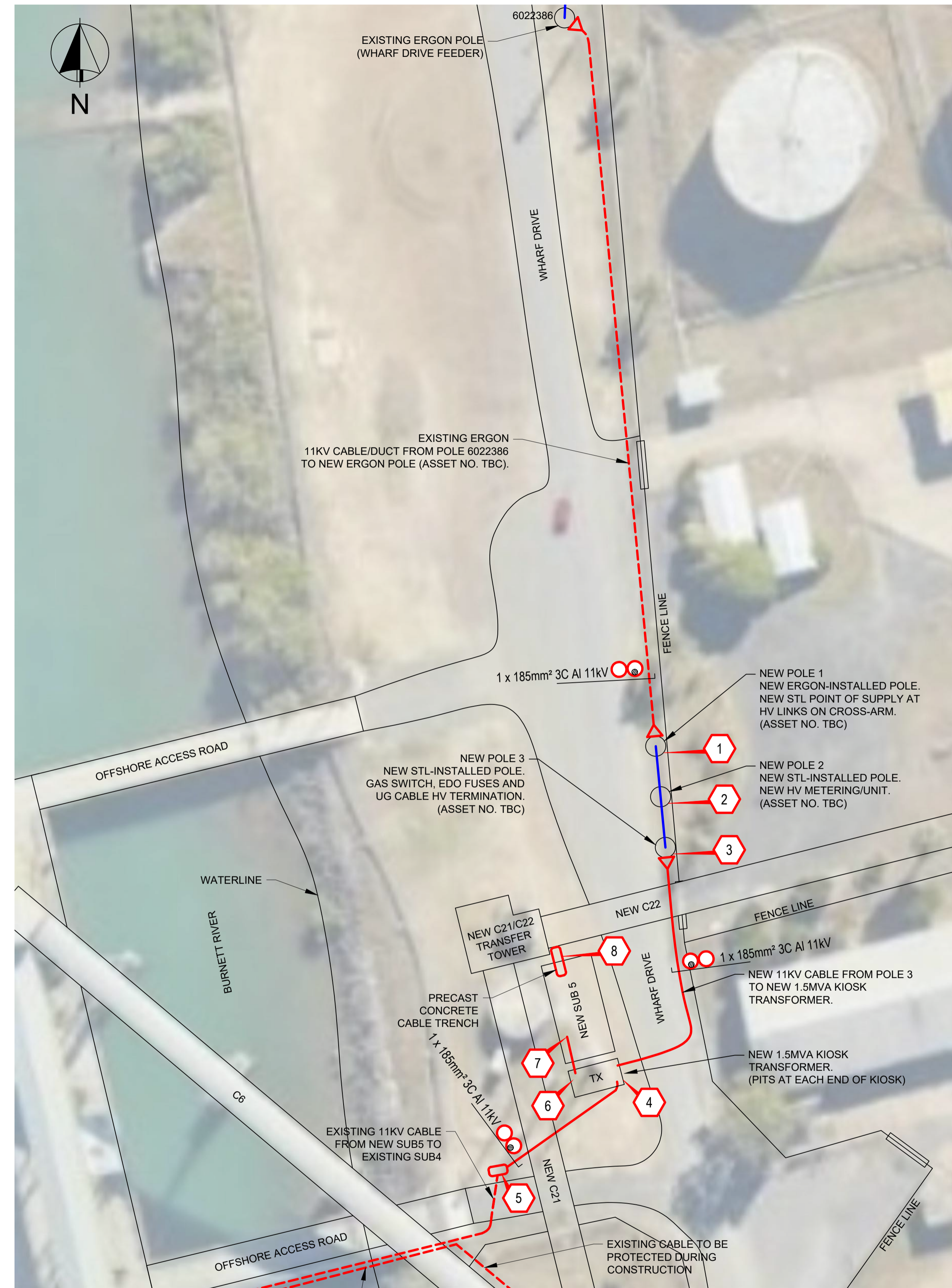
**NOTES:**  
1. FOR STANDARD NOTES REFER DRAWING 255000-STD-001  
2. ALL EQUIPMENT DIMENSIONS SHALL BE CONFIRMED WITH CERTIFIED VENDOR INFORMATION



**NOTES:**  
1. FOR STANDARD NOTES REFER DRAWING 255000-STD-001

PLAN - EXISTING HIGH VOLTAGE RETICULATION LAYOUT



PLAN - PROPOSED HIGH VOLTAGE RETICULATION/TRENCHING LAYOUT

**LEGEND**

PROPOSED U/G CONDUIT/CABLE RUN		PROPOSED CABLE PIT		OHL POLE & POLE NO.		U/G CONDUIT CUT-THROUGH VIEW	
EXISTING U/G CONDUIT/CABLE RUN		U/G CONDUIT		IDENTIFYING STATION (FOR DWG DESCRIPTIONS)			
OVERHEAD LINE		PROPOSED CABLE		HV POLE TERMINATION			

**NOTES**

- REFER TO DRAWING 255290-E-032 FOR IDENTIFYING STATION DETAILS AND TYPICAL CROSS-SECTIONS.



REV	DATE	REVISION DETAILS	DRN	DES	APP	REFERENCE DRAWINGS	REF NUMBER
B	03.09.21	ISSUED FOR 60% DESIGN REVIEW	ZS	ZS		SITE HV RETICULATION LAYOUT SH 3 OF 3	255290-E-032
A	09.07.21	ISSUED FOR 30% DESIGN REVIEW	ZS	ZS		SITE HV RETICULATION LAYOUT SH 2 OF 3	255290-E-031



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 THIRD ANGLE PROJECTION U.N.O.  
 DO NOT SCALE FROM DRAWING

DRAWN ZS 09.07.21  
 DESIGN ZS 09.07.21  
 VERIFY  
 APPROVED

**PRELIMINARY**  
 NOT FOR CONSTRUCTION

BST CUI SUGAR TERMINAL UPGRADE  
 SUBSTATION 5  
 HIGH VOLTAGE RETICULATION  
 SITE LAYOUT DRAWING  
 SHEET 1 OF 3

DRAWING No.	
<b>255290-E-030</b>	
SCALE	REV
NTS	B A1

## Attachment 3 Extract of Appeal Provisions

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## **Schedule 1      Appeals**

section 229

### **1      Appeal rights and parties to appeals**

- (1) Table 1 states the matters that may be appealed to—
  - (a) the P&E court; or
  - (b) a tribunal.
- (2) However, table 1 applies to a tribunal only if the matter involves—
  - (a) the refusal, or deemed refusal of a development application, for—
    - (i) a material change of use for a classified building; or
    - (ii) operational work associated with building work, a retaining wall, or a tennis court; or
  - (b) a provision of a development approval for—
    - (i) a material change of use for a classified building; or
    - (ii) operational work associated with building work, a retaining wall, or a tennis court; or
  - (c) if a development permit was applied for—the decision to give a preliminary approval for—
    - (i) a material change of use for a classified building; or
    - (ii) operational work associated with building work, a retaining wall, or a tennis court; or
  - (d) a development condition if—
    - (i) the development approval is only for a material change of use that involves the use of a building classified under the Building Code as a class 2 building; and



- (ii) the building is, or is proposed to be, not more than 3 storeys; and
  - (iii) the proposed development is for not more than 60 sole-occupancy units; or
  - (e) a decision for, or a deemed refusal of, an extension application for a development approval that is only for a material change of use of a classified building; or
  - (f) a decision for, or a deemed refusal of, a change application for a development approval that is only for a material change of use of a classified building; or
  - (g) a matter under this Act, to the extent the matter relates to the Building Act, other than a matter under that Act that may or must be decided by the Queensland Building and Construction Commission; or
  - (h) a decision to give an enforcement notice—
    - (i) in relation to a matter under paragraphs (a) to (g); or
    - (ii) under the *Plumbing and Drainage Act 2018*; or
  - (i) an infrastructure charges notice; or
  - (j) the refusal, or deemed refusal, of a conversion application; or
  - (l) a matter prescribed by regulation.
- (3) Also, table 1 does not apply to a tribunal if the matter involves—
- (a) for a matter in subsection (2)(a) to (d)—
    - (i) a development approval for which the development application required impact assessment; and
    - (ii) a development approval in relation to which the assessment manager received a properly made submission for the development application; or
  - (b) a provision of a development approval about the identification or inclusion, under a variation approval, of a matter for the development.

- (4) Table 2 states the matters that may be appealed only to the P&E Court.
- (5) Table 3 states the matters that may be appealed only to the tribunal.
- (6) In each table—
  - (a) column 1 states the appellant in the appeal; and
  - (b) column 2 states the respondent in the appeal; and
  - (c) column 3 states the co-respondent (if any) in the appeal; and
  - (d) column 4 states the co-respondents by election (if any) in the appeal.
- (7) If the chief executive receives a notice of appeal under section 230(3)(f), the chief executive may elect to be a co-respondent in the appeal.
- (8) In this section—  
*storey* see the Building Code, part A1.1.

<b>Table 1</b> <b>Appeals to the P&amp;E Court and, for certain matters, to a tribunal</b>
<p>1. Development applications</p> <p>For a development application other than an excluded application, an appeal may be made against—</p> <ul style="list-style-type: none"><li>(a) the refusal of all or part of the development application; or</li><li>(b) the deemed refusal of the development application; or</li><li>(c) a provision of the development approval; or</li><li>(d) if a development permit was applied for—the decision to give a preliminary approval.</li></ul>

<b>Table 1 Appeals to the P&amp;E Court and, for certain matters, to a tribunal</b>			
Column 1 Appellant	Column 2 Respondent	Column 3 Co-respondent (if any)	Column 4 Co-respondent by election (if any)
The applicant	The assessment manager	If the appeal is about a concurrence agency's referral response—the concurrence agency	<p>1 A concurrence agency that is not a co-respondent</p> <p>2 If a chosen assessment manager is the respondent—the prescribed assessment manager</p> <p>3 Any eligible advice agency for the application</p> <p>4 Any eligible submitter for the application</p>
<p><b>2. Change applications</b></p> <p>For a change application other than an excluded application, an appeal may be made against—</p> <p>(a) the responsible entity's decision on the change application; or</p> <p>(b) a deemed refusal of the change application.</p>			

<b>Table 1 Appeals to the P&amp;E Court and, for certain matters, to a tribunal</b>			
Column 1 Appellant	Column 2 Respondent	Column 3 Co-respondent (if any)	Column 4 Co-respondent by election (if any)
<p>1 The applicant</p> <p>2 If the responsible entity is the assessment manager—an affected entity that gave a pre-request notice or response notice</p>	<p>The responsible entity</p>	<p>If an affected entity starts the appeal—the applicant</p>	<p>1 A concurrence agency for the development application</p> <p>2 If a chosen assessment manager is the respondent—the prescribed assessment manager</p> <p>3 A private certifier for the development application</p> <p>4 Any eligible advice agency for the change application</p> <p>5 Any eligible submitter for the change application</p>
<p><b>3. Extension applications</b></p> <p>For an extension application other than an extension application called in by the Minister, an appeal may be made against—</p> <p>(a) the assessment manager’s decision on the extension application; or</p> <p>(b) a deemed refusal of the extension application.</p>			

<b>Table 1 Appeals to the P&amp;E Court and, for certain matters, to a tribunal</b>			
Column 1 Appellant	Column 2 Respondent	Column 3 Co-respondent (if any)	Column 4 Co-respondent by election (if any)
<p><b>1</b> The applicant</p> <p><b>2</b> For a matter other than a deemed refusal of an extension application—a concurrence agency, other than the chief executive, for the application</p>	<p>The assessment manager</p>	<p>If a concurrence agency starts the appeal—the applicant</p>	<p>If a chosen assessment manager is the respondent—the prescribed assessment manager</p>
<p><b>4. Infrastructure charges notices</b></p> <p>An appeal may be made against an infrastructure charges notice on 1 or more of the following grounds—</p> <p>(a) the notice involved an error relating to—</p> <p style="padding-left: 20px;">(i) the application of the relevant adopted charge; or</p> <p><i>Examples of errors in applying an adopted charge—</i></p> <ul style="list-style-type: none"> <li>• the incorrect application of gross floor area for a non-residential development</li> <li>• applying an incorrect ‘use category’, under a regulation, to the development</li> </ul> <p style="padding-left: 20px;">(ii) the working out of extra demand, for section 120; or</p> <p style="padding-left: 20px;">(iii) an offset or refund; or</p> <p>(b) there was no decision about an offset or refund; or</p> <p>(c) if the infrastructure charges notice states a refund will be given—the timing for giving the refund; or</p> <p>(d) for an appeal to the P&amp;E Court—the amount of the charge is so unreasonable that no reasonable relevant local government could have imposed the amount.</p>			

<b>Table 1 Appeals to the P&amp;E Court and, for certain matters, to a tribunal</b>			
Column 1 Appellant	Column 2 Respondent	Column 3 Co-respondent (if any)	Column 4 Co-respondent by election (if any)
The person given the infrastructure charges notice	The local government that gave the infrastructure charges notice	—	—
<p><b>5. Conversion applications</b> An appeal may be made against—</p> <p>(a) the refusal of a conversion application; or</p> <p>(b) a deemed refusal of a conversion application.</p>			
Column 1 Appellant	Column 2 Respondent	Column 3 Co-respondent (if any)	Column 4 Co-respondent by election (if any)
The applicant	The local government to which the conversion application was made	—	—
<p><b>6. Enforcement notices</b> An appeal may be made against the decision to give an enforcement notice.</p>			
Column 1 Appellant	Column 2 Respondent	Column 3 Co-respondent (if any)	Column 4 Co-respondent by election (if any)
The person given the enforcement notice	The enforcement authority	—	If the enforcement authority is not the local government for the premises in relation to which the offence is alleged to have happened—the local government

<b>Table 2 Appeals to the P&amp;E Court only</b>			
<p><b>1. Appeals from tribunal</b></p> <p>An appeal may be made against a decision of a tribunal, other than a decision under section 252, on the ground of—</p> <p>(a) an error or mistake in law on the part of the tribunal; or</p> <p>(b) jurisdictional error.</p>			
Column 1 Appellant	Column 2 Respondent	Column 3 Co-respondent (if any)	Column 4 Co-respondent by election (if any)
A party to the proceedings for the decision	The other party to the proceedings for the decision	—	—
<p><b>2. Eligible submitter appeals</b></p> <p>For a development application or change application other than an excluded application, an appeal may be made against the decision to approve the application, to the extent the decision relates to—</p> <p>(a) any part of the development application or change application that required impact assessment; or</p> <p>(b) a variation request.</p>			
Column 1 Appellant	Column 2 Respondent	Column 3 Co-respondent (if any)	Column 4 Co-respondent by election (if any)
<p>1 For a development application—an eligible submitter for the development application</p> <p>2 For a change application—an eligible submitter for the change application</p>	<p>1 For a development application—the assessment manager</p> <p>2 For a change application—the responsible entity</p>	<p>1 The applicant</p> <p>2 If the appeal is about a concurrence agency's referral response—the concurrence agency</p>	<p>Another eligible submitter for the application</p>

<b>Table 2 Appeals to the P&amp;E Court only</b>			
<p><b>3. Eligible submitter and eligible advice agency appeals</b></p> <p>For a development application or change application other than an excluded application, an appeal may be made against a provision of the development approval, or a failure to include a provision in the development approval, to the extent the matter relates to—</p> <p>(a) any part of the development application or change application that required impact assessment; or</p> <p>(b) a variation request.</p>			
Column 1 Appellant	Column 2 Respondent	Column 3 Co-respondent (if any)	Column 4 Co-respondent by election (if any)
<p>1 For a development application—an eligible submitter for the development application</p> <p>2 For a change application—an eligible submitter for the change application</p> <p>3 An eligible advice agency for the development application or change application</p>	<p>1 For a development application—the assessment manager</p> <p>2 For a change application—the responsible entity</p>	<p>1 The applicant</p> <p>2 If the appeal is about a concurrence agency’s referral response—the concurrence agency</p>	<p>Another eligible submitter for the application</p>
<p><b>4. Compensation claims</b></p> <p>An appeal may be made against—</p> <p>(a) a decision under section 32 about a compensation claim; or</p> <p>(b) a decision under section 265 about a claim for compensation; or</p> <p>(c) a deemed refusal of a claim under paragraph (a) or (b).</p>			



<b>Table 2 Appeals to the P&amp;E Court only</b>			
Column 1 Appellant	Column 2 Respondent	Column 3 Co-respondent (if any)	Column 4 Co-respondent by election (if any)
A person dissatisfied with the decision	The local government to which the claim was made	—	—
<p><b>5. Registered premises</b> An appeal may be made against a decision of the Minister under chapter 7, part 4.</p>			
Column 1 Appellant	Column 2 Respondent	Column 3 Co-respondent (if any)	Column 4 Co-respondent by election (if any)
<p>1 A person given a decision notice about the decision</p> <p>2 If the decision is to register premises or renew the registration of premises—an owner or occupier of premises in the affected area for the registered premises who is dissatisfied with the decision</p>	The Minister	—	If an owner or occupier starts the appeal—the owner of the registered premises
<p><b>6. Local laws</b> An appeal may be made against a decision of a local government, or conditions applied, under a local law about—</p> <p>(a) the use of premises, other than a use that is the natural and ordinary consequence of prohibited development; or</p> <p>(b) the erection of a building or other structure.</p>			

Schedule 1

<b>Table 2 Appeals to the P&amp;E Court only</b>			
Column 1 Appellant	Column 2 Respondent	Column 3 Co-respondent (if any)	Column 4 Co-respondent by election (if any)
A person who— (a) applied for the decision; and (b) is dissatisfied with the decision or conditions.	The local government	—	—

<b>Table 3 Appeals to a tribunal only</b>			
<b>1. Building advisory agency appeals</b>			
An appeal may be made against giving a development approval for building work to the extent the building work required code assessment against the building assessment provisions.			
Column 1 Appellant	Column 2 Respondent	Column 3 Co-respondent (if any)	Column 4 Co-respondent by election (if any)
A building advisory agency for the development application related to the approval	The assessment manager	The applicant	1 A concurrence agency for the development application related to the approval  2 A private certifier for the development application related to the approval

<b>Table 3 Appeals to a tribunal only</b>			
<p><b>2. Inspection of building work</b> An appeal may be made against a decision of a building certifier or referral agency about the inspection of building work that is the subject of a building development approval under the Building Act.</p>			
Column 1 Appellant	Column 2 Respondent	Column 3 Co-respondent (if any)	Column 4 Co-respondent by election (if any)
The applicant for the development approval	The person who made the decision	—	—
<p><b>3. Certain decisions under the Building Act and the <i>Plumbing and Drainage Act 2018</i></b> An appeal may be made against—</p> <p>(a) a decision under the Building Act, other than a decision made by the Queensland Building and Construction Commission, if an information notice about the decision was given or required to be given under that Act; or</p> <p>(b) a decision under the <i>Plumbing and Drainage Act 2018</i>, other than a decision made by the Queensland Building and Construction Commission, if an information notice about the decision was given or required to be given under that Act.</p>			
Column 1 Appellant	Column 2 Respondent	Column 3 Co-respondent (if any)	Column 4 Co-respondent by election (if any)
A person who received, or was entitled to receive, an information notice about the decision	The entity that made the decision	—	—
<p><b>4. Local government failure to decide application under the Building Act</b> An appeal may be made against a local government's failure to decide an application under the Building Act within the period required under that Act.</p>			

<b>Table 3 Appeals to a tribunal only</b>			
Column 1 Appellant	Column 2 Respondent	Column 3 Co-respondent (if any)	Column 4 Co-respondent by election (if any)
A person who was entitled to receive notice of the decision	The local government to which the application was made	—	—
<p>5. Failure to make a decision about an application or other matter under the <i>Plumbing and Drainage Act 2018</i></p> <p>An appeal may be made against a failure to make a decision under the <i>Plumbing and Drainage Act 2018</i>, other than a failure by the Queensland Building and Construction Commission to make a decision, within the period required under that Act, if an information notice about the decision was required to be given under that Act.</p>			
Column 1 Appellant	Column 2 Respondent	Column 3 Co-respondent (if any)	Column 4 Co-respondent by election (if any)
A person who was entitled to receive an information notice about the decision	The entity that failed to make the decision	—	—