Project Management Initials: Designer: MS Checked: PA Approved: JH

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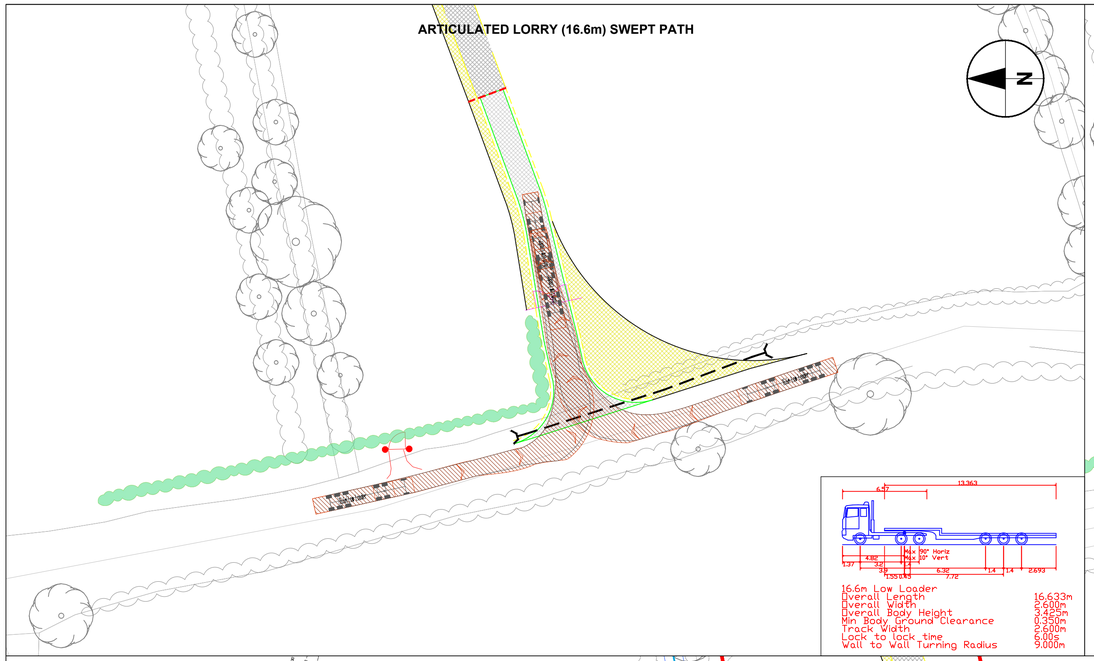
Filename: \\NA.AECOMNET.COM\LFS\EMEA\DUBLIN-IED\BL2\LEGACY\IED\BL2FP0010\DATA\DCS\PROJECTS\BP\60657534_SUMMERHILLFIELDSTOWNSID\900_CAD_GIS\910_CAD\6. SITE ENTRANCE DESIGN\FIELDSTOWNNX.REF\0-XREF-FIELDSTONE-PROPOSED ACCESS.DWG

ARTICULATED LORRY (16.6m) SWEPT PATH

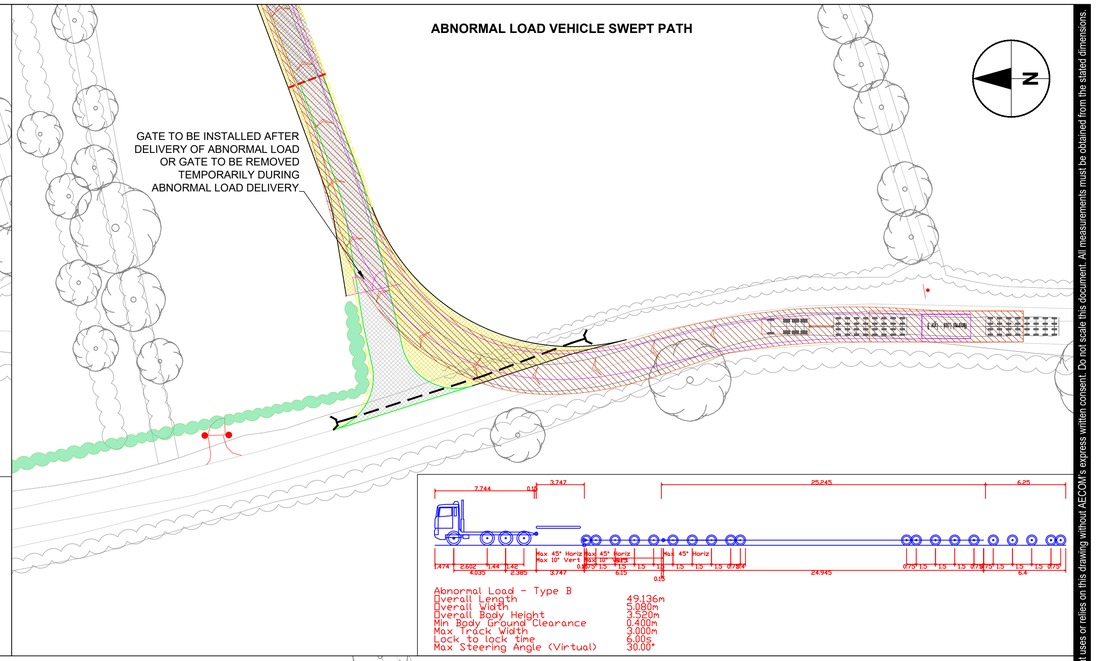


16.6m Low Loader

Overall Length	16.633m
Overall Width	2.600m
Overall Body Height	3.455m
Min Body Ground Clearance	0.350m
Track Width	2.600m
Lock to lock time	6.00s
Wall to Wall Turning Radius	9.000m

ABNORMAL LOAD VEHICLE SWEPT PATH

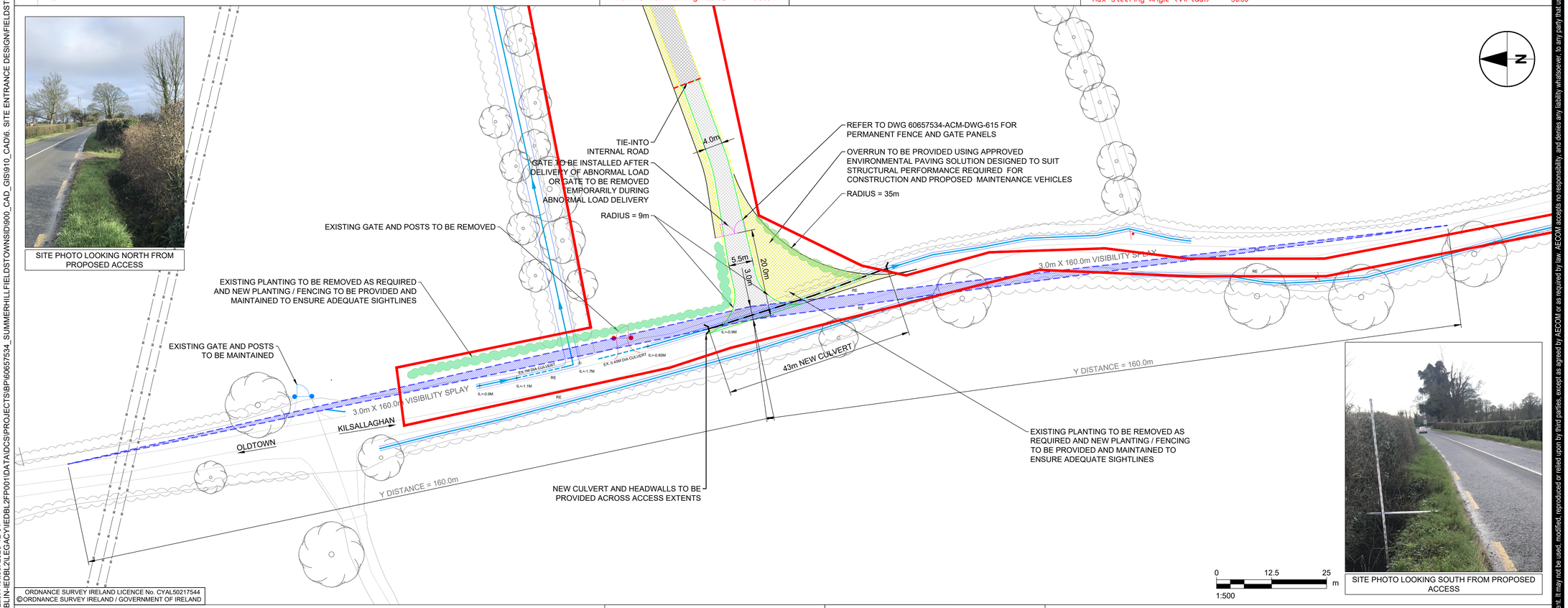
GATE TO BE INSTALLED AFTER DELIVERY OF ABNORMAL LOAD OR GATE TO BE REMOVED TEMPORARILY DURING ABNORMAL LOAD DELIVERY



Abnormal Load - Type B

Overall Length	49.136m
Overall Width	5.080m
Overall Body Height	3.520m
Min Body Ground Clearance	0.400m
Max Track Width	5.000m
Lock to lock time	6.00s
Max Steering Angle (Virtual)	30.00°

SITE PHOTO LOOKING NORTH FROM PROPOSED ACCESS



SITE PHOTO LOOKING SOUTH FROM PROPOSED ACCESS

0 12.5 25 m
1:500

DESIGN CRITERIA

1. X DISTANCE = 3M
2. Y DISTANCE = 160M NORTH, 120M SOUTH
3. RADII = 9M
4. ACCESS WIDTH = 5.5M
5. PRIMARY GATES SET BACK DISTANCE 20M WITH ALL GATES OPENING AWAY FROM PUBLIC ROAD
6. THE GRADIENT OF THE ACCESS SHOULD NOT NORMALLY EXCEED 8% OVER THE FIRST 10M OUTSIDE THE PUBLIC ROAD BOUNDARY
7. REFER TO TII DN-GEO-03060 GEOMETRIC DESIGN OF JUNCTIONS AND TII DN-GEO-03031 RURAL ROAD LINK DESIGN
8. DETAILS OF NEW ACCESSES TO COMPLY WITH TII SPECIFICATION PRIOR TO CONSTRUCTION
9. INTERNAL ACCESS ROAD 5.5M TO 4M OVER 1:25 TRANSITION
10. NO WORKS TO COMMENCE ON SITE UNTIL NEW VEHICULAR ACCESS HAS BEEN CONSTRUCTED
11. VEHICULAR ROAD ACCESS TO COMPLY AND BE APPROVED WITH LOCAL AUTHORITY IN ADVANCE OF ANY CONSTRUCTION WORKS .
12. DRAINAGE SHALL BE PROVIDED WHERE NECESSARY TO PREVENT WATER FROM THE ACCESS FLOWING ONTO THE PUBLIC ROAD. SIMILARLY, WHEN AN ACCESS IS BEING CONSTRUCTED THE EXISTING ROAD DRAINAGE MUST EITHER BE MAINTAINED OR EFFECTIVE ALTERNATIVE MEASURES PROVIDED.
13. HYDRAULIC DESIGN SHALL BE SUBMITTED TO LOCAL AUTHORITY FOR APPROVAL IN ADVANCE OF ANY WORKS INCLUDING STRUCTURAL DESIGN TO PROTECT FOR NEW CULVERT PROPOSED.
14. PERMITS AND TTM PLAN SHALL BE APPROVED BY LOCAL AUTHORITY IN ADVANCE OF ANY CONSTRUCTION
15. ALL NEW VERGES, HEDGING AND PLANTING AND WORKS ASSOCIATED TO OPEN DRAINS TO STRICTLY CONFORM TO THE APPROVED ECR REQUIREMENTS.

NOTES

1. THE DRAWING IS ISSUED AT A PLANNING STAGE OF THE DESIGN. FOLLOWING FEEDBACK FROM THE PUBLIC CONSULTATION, AND/OR ADDITIONAL SURVEYS, SOME OF THE DETAILS MAY BE CHANGED.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVENT DOCUMENTATION.
3. DO NOT SCALE FROM THIS DRAWING, USE ONLY PRINTED DIMENSIONS.
4. ALL DIMENSIONS IN METRES, ALL CHAINAGES, LEVELS AND COORDINATES ARE IN METRES UNLESS DEFINED OTHERWISE.

VEHICLE TRACKING DATA

1. VEHICLE TRACKING SHOWN IS INDICATIVE ONLY, AND REPRESENTS APPROXIMATE VEHICLE SIZE ANTICIPATED FOR TRANSFORMER DELIVERY. SPECIFIC VEHICLE TO BE DETERMINED BY EQUIPMENT SUPPLIER / HAULIER.
2. DEFINITIVE VEHICLE TRACKING OF SPECIFIC DELIVERY VEHICLE REQUIRES TO BE CARRIED OUT BY HAULIER, TO ENSURE DESIRED MANOEUVRES ARE ACHIEVABLE, AND TO CONFIRM ANY REQUIRED ACCESS ROAD WIDENING, TEMPORARY WORKS, etc.

AECOM

PROJECT

FIELDSTOWN 110 kV SUBSTATION & GRID CONNECTION

CLIENT

ENERGIA SOLAR HOLDINGS LTD.

CONSULTANT

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LEGEND

- SITE BOUNDARY
- PROPOSED ROAD EDGE
- PROPOSED VERGE
- EXISTING GATE TO BE MAINTAINED
- EXISTING GATE TO BE REMOVED
- PROPOSED GATE
- EXISTING TREE
- NEW WIRE FENCE AND HEDGE
- EXISTING HEDGEROW
- ASPHALT CONCRETE - HARDSTANDING SURFACE
- INTERNAL ACCESS ROAD - GRAVEL SURFACE
- OVER-RUN SPACE REQUIRED (GRASSCRETE OR SIMILAR APPROVED)
- VISIBILITY SPLAY
- VEHICLE TRACKING ANALYSIS
- EXISTING DRAINAGE DITCH
- EXISTING CULVERT
- PROPOSED CULVERT
- TRAFFIC SIGN

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PLANNING

ISSUE/REVISION

P4	01/12/2023	FOR PLANNING
P3	27/10/2023	RLB UPDATE
P2	17/04/2023	ARTICULATED LORRY WTA
P1	06/04/2023	ISSUED FOR INFORMATION
P0	04/04/2023	PRELIMINARY/ DRAFT
I/R	DATE	DESCRIPTION

PROJECT NUMBER

60657534

SHEET TITLE

FIELDSTOWN 110 kV SUBSTATION VEHICLE ACESS ROAD

SHEET NUMBER **REV**

60657534-ACM-DWG-FT-619 **P4**