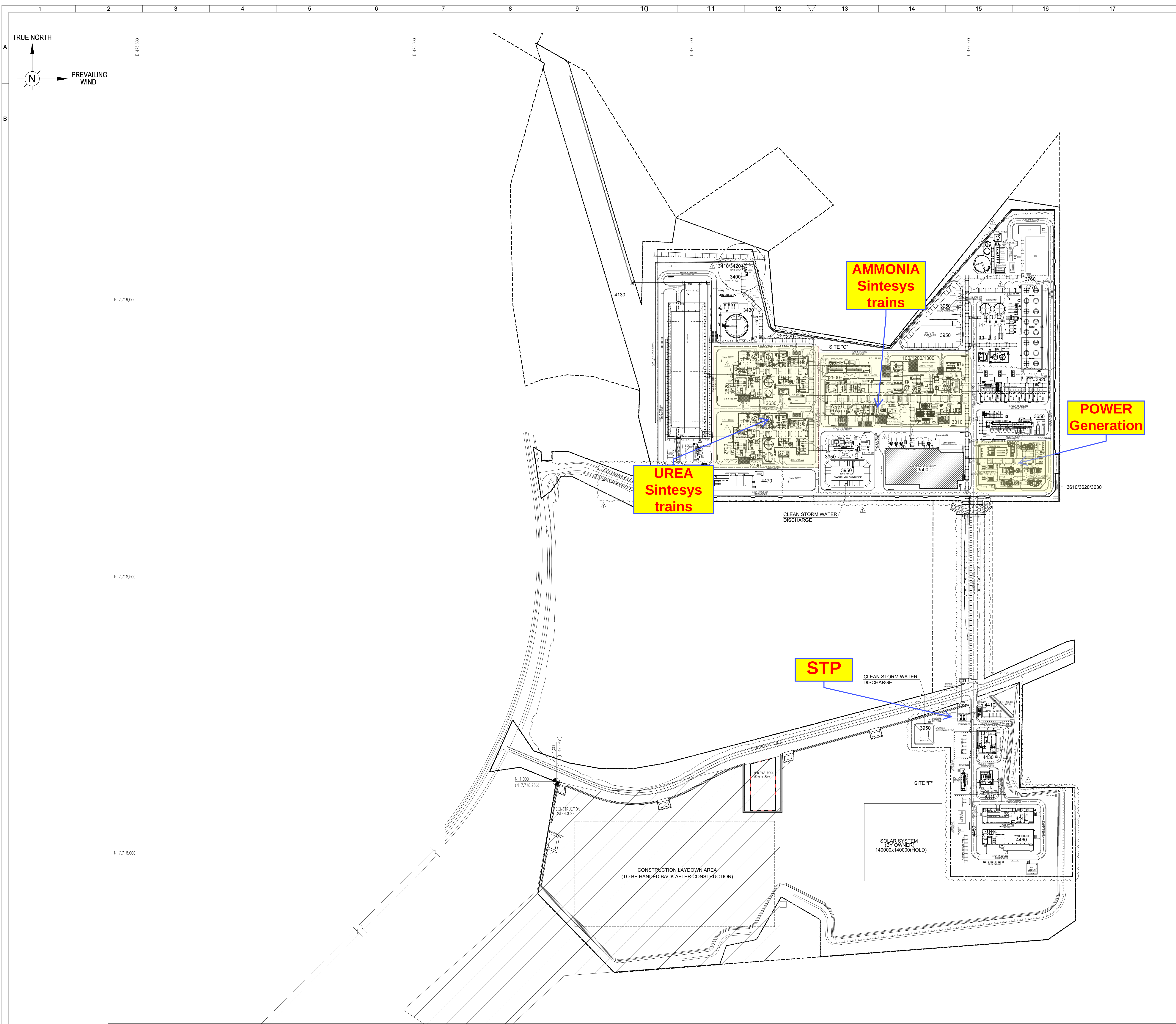




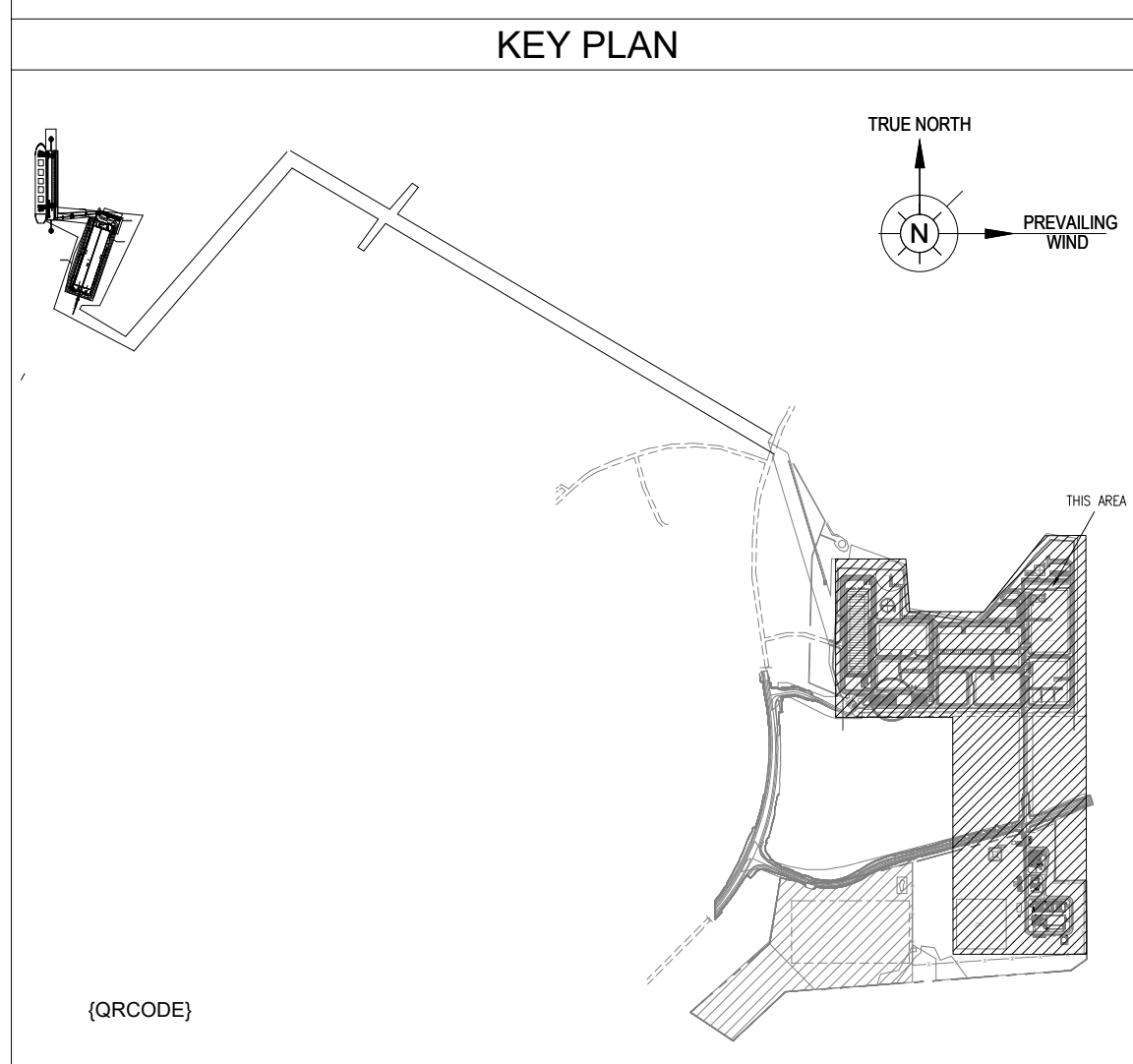
WBS (WORK BREAKDOWN STRUCTURE) FOR PERDAMAN CERES PROJECT			
0000	GENERAL	0000	GENERAL
1000	SYNGAS BLOCK	1100	REFORMING AND PRETREATMENT
		1200	CO SHIFT
		1300	SYNGAS PURIFICATION (CO2 RECOVERY AND NH3)
		2500	AMMONIA SYNTHESIS
2000	PRODUCT BLOCK	2600	UREA GRANULATION
		2610	UREA MELT TRAIN 1 (INCLUDING CO2 COMPRESSOR TRAIN)
		2620	UREA GRANULATION TRAIN 1
		2630	COMMON ITEM FOR BOTH UREA MELT TRAINS
		2700	UREA GRANULATION
		2710	UREA MELT TRAIN 2 (INCLUDING CO2 COMPRESSOR TRAIN)
		2720	UREA GRANULATION TRAIN 2
		2730	COMMON ITEM FOR BOTH UREA GRANULATION TRAINS
		3100	PLANT & INSTRUMENT AIR
		3110	PLANT AIR (BACK-UP)
		3120	INSTRUMENT AIR (BACK-UP)
		3310	BFW / CONDENSATE
		3400	FLARE
		3410	AMMONIA FLARE
		3420	SYNGAS FLARE
		3430	TANK FLARE
		3500	AIR SEPARATION UNIT
		3510	AIR COMPRESSION
		3520	SEPARATION
		3530	LOX
		3540	COMPRESSED AIR
		3550	N2 COMPRESSION
		3560	LIN
3000	UTILITY BLOCK	3600	POWER GENERATION
		3610	GAS TURBINE
		3620	HRSG
		3630	STEAM TURBINE
		3650	EMERGENCY POWER (DIESEL GEN SETS)
		3700	WATER TREATMENT PACKAGE
		3710	DESALINATION
		3720	POTABLE WATER
		3730	DEMINERALISATION
		3740	PLANT WATER
		3750	PROCESS/STEAM CONDENSATE POLISHING
		3760	WASTE WATER TREATMENT
		3770	SALT COLLECTION
3800	SAFETY SYSTEMS	3810	FIRE DETECTION AND PROTECTION
		3820	GAS DETECTION
		3830	SAFETY SHOWER
3900	OTHER UTILITIES	3910	COOLING WATER - ONCE THROUGH SEA WATER
		3920	COOLING WATER - CLOSED LOOP
		3930	FIRE WATER
		3940	DRAINAGE (CIVIL)
		3950	PONDS CLEAN STORM/CONTAMINATED OLY (SALINE EVAPORATION POND)
		3960	POTENTIALLY CONTAMINATED WATER SYSTEM (POND)
		3970	LIFTING STATIONS FOR SANITARY WASTE
		3980	POTENTIALLY ONLY CONTAMINATED WATER TREATMENT
		3990	NATURAL GAS AND FUEL GAS SYSTEM AND DISTRIBUTION
4100	UREA HANDLING	4110	PRODUCT CONVEYING- TO STORAGE
		4120	PRODUCT STORAGE
		4130	PRODUCT CONVEYING- TO PORT
		4140	PRODUCT STORAGE- PORT
		4150	PRODUCT SHIPLOADING
4200	STORAGE	4210	AMMONIA STORAGE TANK
		4220	AMMONIA STORAGE TANK BOIL-OFF UNIT
		4230	DIESEL STORAGE
		4240	LPG STORAGE
4400	BUILDINGS	4410	ENTRANCE GATE
		4420	LABORATORY
		4430	ADMINISTRATION
		4440	MAINTENANCE
		4450	ROADS
		4460	WAREHOUSE
		4470	CONTROL ROOM
		4480	CHEMICAL STORAGE

- NOTES:
1. PLANT COORDINATES N=1,000 AND E=1,000 WILL BE ESTABLISHED AT THE DATUM POINT FOR SITE "F". AND WILL BE EQUIVALENT TO N=7,718,236 AND E=475,951 BASED ON DATUM GDA 94, MGA ZONE 50.
 2. REFERENCE PLANT ELEVATION 100,000 HPP (HIGH POINT PAVING) EQUALS 5,500 AHD (AUSTRALIAN HEIGHT DATUM) ON SITES C AND F. ASSUMING A ROUGH GRADE ELEVATION OF 6,000, 8,000 AND 10,000 AHD ON BOTH SITES.
 3. ALL COORDINATES AND ELEVATIONS ARE IN METERS. DIMENSIONS ARE IN m.
 4. ALL EQUIPMENT LOCATIONS AND SIZES SHOWN ARE PRELIMINARY AND WILL BE FINALIZED BASED ON VENDOR INFORMATION.
 5. ROADS ARE 8 OR 8 METERS WIDE AND MAY BE OPTIMIZED BASED ON PROJECT NEEDS DURING DESIGN DEVELOPMENT.
 6. THE VERTICAL CLEARANCE FOR THE PIPE RACKS AT ALL ROAD CROSSINGS IS MINIMUM 6 METERS.
 7. SUBSTATIONS SHOWN ARE INDICATIVE. ACTUAL SUBSTATION LAYOUT SHALL BE AS PER THE FINAL LOAD LIST & MODULAR SUBSTATION SUPPLIER. BASED ON THE TRANSPORTATION SIZE LIMITS OF THE MODULES ON THE TRANSPORTATION SIZE LIMITS OF THE MODULES.
 8. SOLAR SUBSTATION SHOWN ARE BY CLIENT AND ARE INDICATIVE. ACTUAL LOCATION / DIMENSION SHALL BE AS PER CLIENT INPUTS.

LEGEND	
-----	USABLE PLOT BOUNDARY
-----	PACKAGE/BATTERY LIMITS OR EXCLUSION ZONE
-----	CONSTRUCTION FOOT PRINT
-----	EXISTING EQUIPMENT/FACILITIES/ROADS
-----	FENCE
-----	DEVELOPMENT BOUNDARY
-----	ENVIRONMENTAL EXCLUSION ZONE (NO PERMANENT FACILITIES)
-----	CUT-OFF DRAIN
-----	STORM WATER TRENCH
-----	PAVED AREA TRENCH
-----	SWALE
-----	HEAVY DUTY PAVING
-----	LIGHT DUTY PAVING
-----	FINISHED GRADE LEVEL
-----	VENDOR SCOPE OF SUPPLY
-----	EMBANKMENT
-----	PRE ASSEMBLED UNIT
-----	PRE ASSEMBLED RACK
-----	STICK BUILT STRUCTURAL
-----	HIGH POINT PAVING
-----	FINISHED GRADE LEVEL

- HOLDS:
1. ALL PACKAGE DIMENSIONS AND BATTERY LIMITS.
 2. ALL EQUIPMENT AND POND DIMENSIONS.
 3. SANITARY Sumps, PUMPS LOCATION AND DIMENSIONS.
 4. SUBSTATION DIMENSION & ORIENTATION.
 5. CONTROL ROOM BLDG, ADMINISTRATION BLDG & LOCATION.
 6. USABLE PLOT BOUNDARY & FENCE LOCATION.

REFERENCE DRAWINGS	
0000-CB-B-10573	PROJECT SITE ELEVATION & GENERAL ARRANGEMENT
0000-CG-A-10248 TO 10255	ROAD LAYOUT SITE - C
0000-CG-A-10256 TO 10259	ROAD LAYOUT SITE - F



REV	DATE	ISSUING DESCRIPTION	PREPARED	CHECKED	APPROVED
1	20.12.2023	ISSUED FOR CONSTRUCTION WITH HOLD	D.GOPAL	S.SAKTHIVEL	K.KRISHNA
0	05.07.2023	ISSUED FOR APPROVAL	C.CHYAPPAN	G.ANLI KUMAR	K.KRISHNA

REVISIONS	
OWNER	
PERDAMAN CHEMICALS AND FERTILIZERS	
PLANT LOCATION: BURRUP, AUSTRALIA	
PROJECT: PROJECT CERES	



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OVERALL PLOT PLAN	
CONTRACTOR JOB NO. : PN835057	REV. D.A. COM L.COM
UNIT NO. DRAWING NUMBER	SCALE. SHT. REV.
0000 0000-GB-A-60002	1:2500 01 of 01 1

