

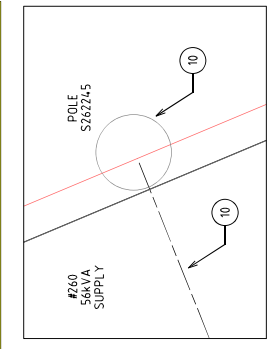
NO SPECIAL PERMITS

SAFETY - MAKE IT YOUR PRIMARY VALUE

GOLDEN SAFETY RULES ARE INDICATIVE ONLY - ALWAYS PERFORM A DETAILED HAZARD ANALYSIS.

HV
 MV
 LV
 TOWER
 TRIP
 OVERHEAD
 UNDERGROUND
 CABLE
 PIT
 BOX
 ISOLATOR
 DISCONNECTOR
 SWITCH
 BREAKER
 FUSE
 CAPACITOR
 RECLUSER
 LOAD BREAK SWITCH
 SECTIONALISER
 CABLE MARKER U/G
 AERIAL CONDUCTORS AND POLES
 NEW POLE (ANY TYPE AS INDICATED)
 EXISTING AERIAL CONDUCTORS (SIZE AND TYPE INDICATED)
 LV
 LV

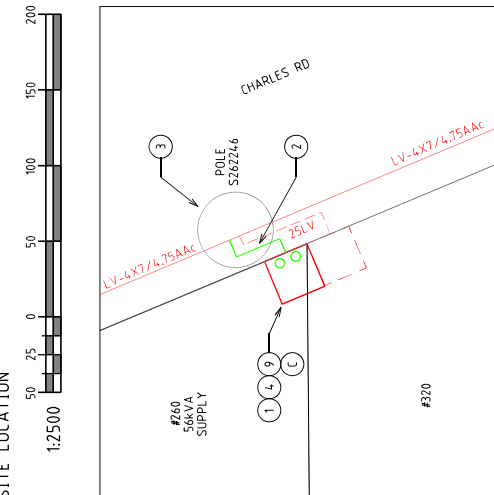
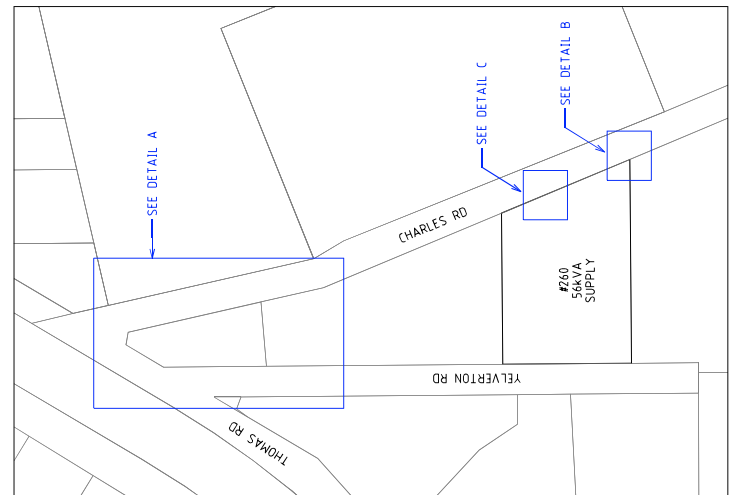
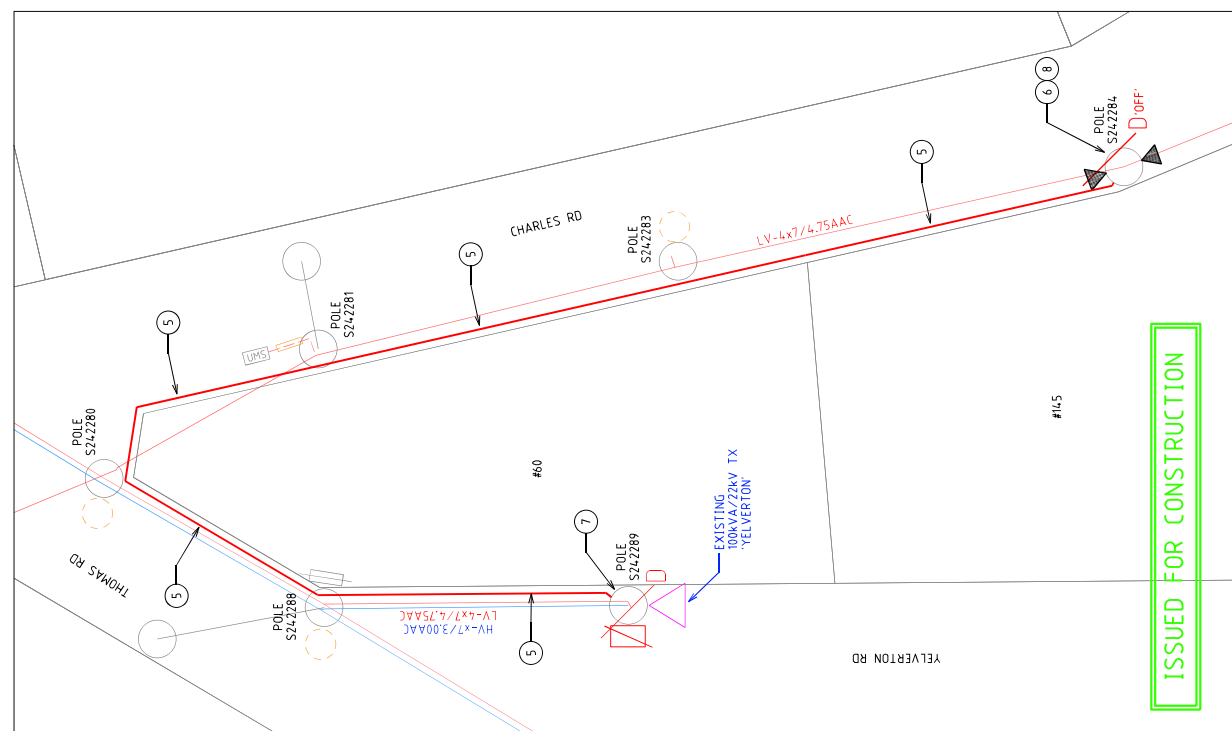
SAFETY - MAKE IT YOUR PRIMARY VALUE



- WESTERN POWER SCOPE OF WORK**
- INSTALL NEW MINI PILLAR AS PER ZONE EXCLUSION DETAIL ON #260 CHARLES ST. REFER TO DETAIL B.
 - INSTALL NEW Z5LV CABLE FROM POLE S262244 TO NEW MINI PILLAR ON #260 CHARLES ST. REFER TO DETAIL B.
 - TERMINATE NEW Z5LV CABLE TO POLE S262246. REFER TO DETAIL B.
 - TERMINATE NEW Z5LV CABLE TO NEW MINI PILLAR ON #260 CHARLES ST. REFER TO DETAIL B.
 - INSTALL NEW Z4OLV CABLE FROM POLE S242289 TO POLE S242284. REFER TO DETAIL A.
 - REPLACE EXISTING LV INTERMEDIATE XARM ON POLE S242284 WITH NEW LV INLINE STRAIN XARM.
 - TERMINATE NEW Z4OLV CABLE TO POLE S242289 VIA KRONE. INSTALL 315 AMP FUSE IN KRONE UNIT. REFER TO DETAIL A.
 - TERMINATE NEW Z4OLV CABLE TO SOUTH SIDE OF POLE S242284.
 - TERMINATE CONSUMER MAINS TO NEW MINI PILLAR IN CONJUNCTION WITH COSTUMERS ELECTRICIAN.
 - REMOVE EXISTING OVERHEAD SUPPLY FROM POLE S262245.
 - ENVIRONMENTAL FILTER CHECKED

- THE FOLLOWING ENVIRONMENTAL ISSUES HAVE BEEN IDENTIFIED FOR THIS PROJECT. ALL RELEVANT PERMITS / PROCEDURES MUST BE OBTAINED / ADHERED TO:
 - CONDITIONS OF NATIVE VEGETATION CLEARING PERMIT.
 - AND NATIVE VEGETATION MAY BE CLEARED OR DAMAGED WITHOUT A PERMIT.
 - ABORIGINAL HERITAGE SITES.

- PLEASE REFER TO THE ENVIRONMENTAL DRAWING FOR MORE INFORMATION.
- CUSTOMER SCOPE OF WORK**
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE WESTERN AUSTRALIAN SERVICE AND INSTALLATION REQUIREMENTS.
 - CUSTOMER IS RESPONSIBLE TO ARRANGE AN ELECTRICAL CONTRACTOR TO INSTALL DIRECT METERING IN THE SWITCHBOARD PRIOR TO SUPPLY BEING ENERGISED.
 - PILLAR EXCLUSION ZONE TO BE PREPARED AS PER THE WESTERN AUSTRALIAN SERVICE AND INSTALLATION REQUIREMENTS CLAUSE 12.5.3. THIS INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING:
 - PEGGING THE PILLAR LOCATION AND ADJACENT BOUNDARY LOCATION PRIOR TO CONSTRUCTION.
 - ONLY EASILY REMOVABLE SURFACE TREATMENT IS TO BE INSTALLED IN THIS AREA, SUCH AS BRICK PAVING.
 - CLEAR OF ALL SERVICES INCLUDING CONTAMINATED SOIL, ASBESTOS ETC.
 - LOCATED 300mm ABOVE 100 YEAR FLOOD LEVEL AND NOT IN A PRECARIOUS POSITION.
 - MAX SIZE CONSUMER MAINS THAT CAN BE TERMINATED TO MINI PILLAR BACK BLOCKS IS 35mm²/PHASE.
 - CUSTOMER TO REFER TO ENVIRONMENTAL DRAWING (SHEET 2) FOR VEGETATION CLEARING REQUIREMENTS.



LEGEND

OH EQUIPMENT	PIS
INTERMEDIATE	HW ISOLATOR
DOF	LV DISCONNECTOR
INLINE STRAIN	ISOL TX
PIT	OUTRIGGER STAY
AERIAL STAY	RECLUSER
GROUND STAY	LOAD BREAK SWITCH
SECTIONALISER	LV ABC KRONE
CAPACITOR	STREETLIGHT BOX

LV-SL CABLES

ENS - 20mm ² (1x3)	LV-SL CABLES
ENS - 15mm ² (1x3)	ENS PIT
ENS - 10mm ² (1x3)	UNIVERSAL
ENS - 6mm ² (1x3)	MINI
ENS - 4mm ² (1x3)	LINK
ENS - 2.5mm ² (1x3)	CABLE MARKER U/G
ENS - 1.5mm ² (1x3)	AERIAL CONDUCTORS AND POLES
ENS - 0.75mm ² (1x3)	NEW POLE (ANY TYPE AS INDICATED)
ENS - 0.5mm ² (1x3)	EXISTING AERIAL CONDUCTORS (SIZE AND TYPE INDICATED)
ENS - 0.25mm ² (1x3)	LV

CUSTOMER CONTACT DETAILS

COMPANY NAME: N/A
CONTACT: CRAIG GATES
TEL: 01-28 234 600

westernpower

DESIGNER: CUSTOMER CONNECTION DESIGN
DRAWING NUMBER: NP031027
DATE: 06/22
SCALE: AS SHOWN @ A2
GEO REF: LOT - 31°51'40"S
LONG - 116°08'18" E
MAP REF: N/A
REV: A ORIGINAL SIZE - A2

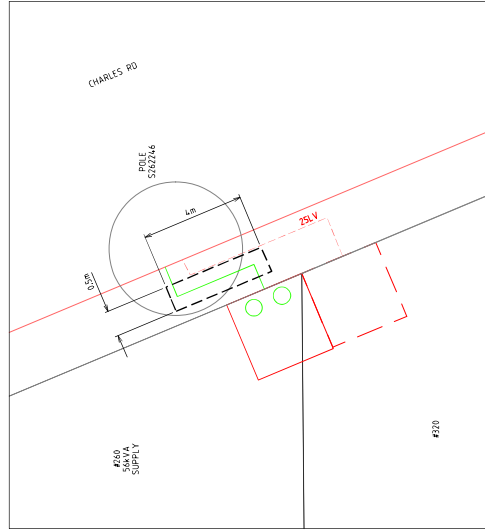
56kVA SUPPLY

MINI PILLAR INSTALLATION

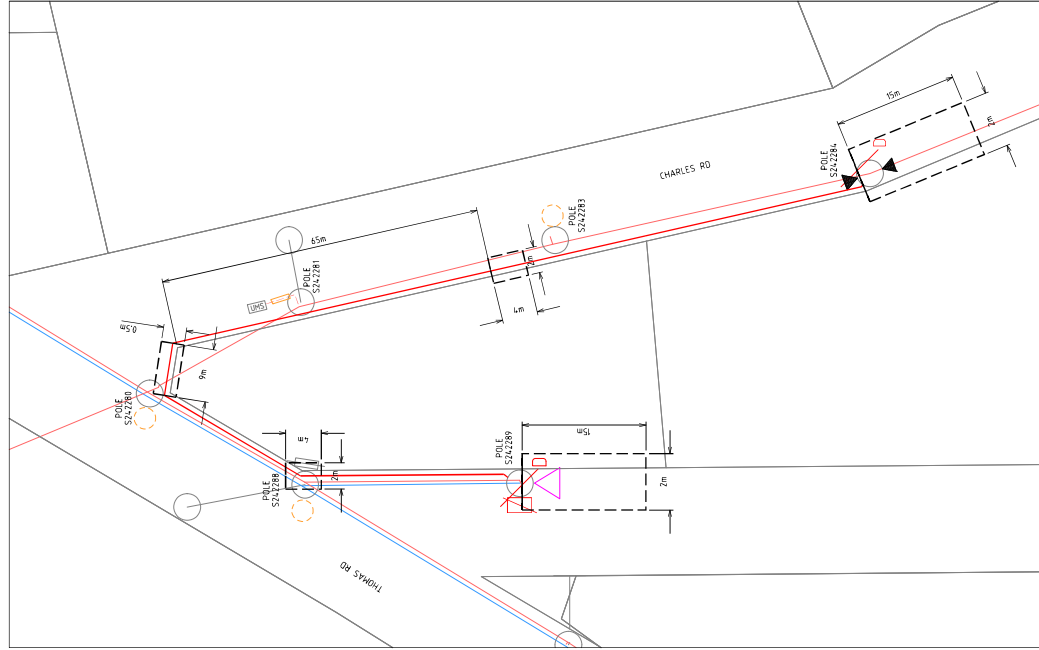
#260 CHARLES RD, MAHOGANY CREEK, W.A., 6072
NETWORK VOLTAGE: 22kV/4.15V

Rev.	ISSUED FOR CONSTRUCTION	DATE	DRN	DATE	REVISIONS
A	ISSUED FOR CONSTRUCTION	06/22	KM		
1	ISSUED FOR ENGINEERING REVIEW	06/22	KM		

HAZARD MANAGEMENT REGISTER DMR# 60724519
FILE REFERENCE DETAILS



4200
DETAIL B - 251V CABLE ROUTE CLEARING REQUIRED DETAIL



1500
DETAIL A - 240V CABLE CLEARING PERMIT AND CLEARING REQUIRED DETAIL

VEGETATION INSTRUCTION

WITH REGARD TO YOUR REQUESTED WORKS, IT HAS BEEN IDENTIFIED BY WESTERN POWER THAT THE CLEARING OR POTENTIAL CLEARING IS REQUIRED TO FACILITATE THE CONNECTION. THE DEPARTMENT OF WATER AND ENVIRONMENTAL REGULATION (DWER) ADMINISTERS THE CLEARING PROVISIONS OF THE ENVIRONMENTAL PROTECTION ACT 1986 (EP ACT). UNDER THE EP ACT, CLEARING OF NATIVE VEGETATION IS AN OFFENCE UNLESS IT IS DONE UNDER THE AUTHORITY OF A CLEARING PERMIT OR AN EXEMPTION APPLIES. NOTE THERE ARE SOME CIRCUMSTANCES WHERE EXEMPTIONS ARE GRANTED. ADVISE ON RELEVANT EXEMPTIONS CAN BE OBTAINED VIA DWER'S GUIDE 1 - EXEMPTIONS AND REGULATIONS FOR CLEARING NATIVE VEGETATION AND CLARIFICATION CAN BE SOUGHT VIA EMAILING DWER DIRECTLY VIA INFO@DWER.WA.GOV.AU.

DETAIL A AND B IS THE AREA IN WHICH A CLEARING PERMIT IS REQUIRED, WHICH WILL ALLOW FOR THE WORKS TO PROCEED. THE AREA THAT IS DEFINED IS THE OPERATIONAL POTENTIAL IMPACT OF: PERFORMING THE INSTALLATION WORKS. THIS PERMIT ALLOWS FOR INADVERTENT DESTRUCTION OF VEGETATION AND IS NOT REQUIRED BY THE LANDOWNER TO CLEAR PRIOR TO WORKS PROCEEDING.

TO ASSIST IN THE ABOVE TASK, WESTERN POWER RECOMMENDS THAT A FORM C1 (AREA PERMIT) BE SUBMITTED TO THE DWER. (FOUND VIA WWW.DWER.WA.GOV.AU UNDER THE CLEARING PERMIT TAB) PLEASE ATTACH THIS SHEET WHICH SHOULD CONTAIN THE RELEVANT INFORMATION TO FILL OUT THE FORM. THE APPLICATION COST IS EXPECTED TO BE \$400 WITH AN EXPECTED RESPONSE TIME OF TYPICALLY 60 WORKING DAYS.

PLEASE NOTE THAT DWER MAY IDENTIFY THAT THE CLEARING HAS SIGNIFICANT IMPACTS AND THERE MAY BE ADDITIONAL REQUIREMENTS BEFORE OR AFTER DWER ISSUE A CLEARING PERMIT THAT MAY IMPACT THE DELIVERY DATE. THESE MAY INCLUDE FLORA OR FAUNA SURVEY REQUIREMENTS AND HYGIENE MANAGEMENT PLANS.

PLEASE ENSURE YOU PROVIDE WESTERN POWER WITH A COPY OF THE SIGNED CLEARING PERMIT (TO WHO/HOW) AS SOON AS PRACTICABLE FOR REVIEW AND SUITABILITY CONFIRMATION.

FURTHER RELEVANT AND SUPPORTING INFORMATION IS AVAILABLE VIA DWER'S WEBSITE, LINK HERE: IF YOU HAVE ANY QUESTIONS, PLEASE CONTACT YOUR ASSOCIATED DESIGNER.

ALTERNATIVELY, WESTERN POWER ARE AUTHORISED TO PROVIDE PERMITS, HOWEVER THE ADMINISTRATIVE COST IS UNFORTUNATELY FAR HIGHER AND WOULD HAVE TO BE PASSED ON TO YOU. PLEASE CONTACT THE DESIGNER IF YOU WISH WESTERN POWER TO ORGANISE THIS.

AORIGINAL HERITAGE SITE

SITE 3758 HELENA RIVER CEREMONIAL, MYTHOLOGICAL, REPOSITORY THE WORKS OCCUR WITHIN THE MAPPED BOUNDARIES OF ONE REGISTERED ABORIGINAL HERITAGE SITES. THE CUSTOMER IS RESPONSIBLE FOR ASSESSING THE IMPACTS AGAINST THE ABORIGINAL HERITAGE DUE DILLIGENCE GUIDELINES &/OR CONTACTING THE DEPARTMENT OF PLANNING, LANDS & HERITAGE (DPLH) TO DETERMINE IF FURTHER ACTIONS ARE REQUIRED. THE CUSTOMER MUST PROVIDE EVIDENCE OF THE ASSESSMENT &/OR CONSULTATION WITH DPLH TO WESTERN POWER. ANY ACTIVITY NOTIFICATIONS OR SURVEYS REQUIRED AS AN OUTCOME OF THE ASSESSMENT MUST BE COMPLETED BY THE CUSTOMER. THE CUSTOMER IS TO PROVIDE ALL EVIDENCE OF ABORIGINAL HERITAGE SURVEYS/CONSULTATIONS AND APPROVALS (WHERE APPLICABLE) TO WESTERN POWER PRIOR TO THE COMMENCEMENT OF WORK.



<p>HW CABLES</p> <ul style="list-style-type: none"> OM3 - 6/25mm (28kV) OM3 - 8/35mm (38kV) OM4 - 8/35mm (38kV) OM4 - 9/50mm (52kV) OM5 - 9/50mm (52kV) OM4 - 9/50mm (52kV) OM4 - 9/50mm (52kV) OM4 - 9/50mm (52kV) OM4 - 9/50mm (52kV) OM4 - 9/50mm (52kV) <p>EXISTING HW CABLES (SIZE AND TYPE INDICATED)</p> <ul style="list-style-type: none"> OM4 - 8/35mm (28kV) OM4 - 9/50mm (38kV) OM4 - 9/50mm (52kV) OM4 - 9/50mm (52kV) OM4 - 9/50mm (52kV) OM4 - 9/50mm (52kV) OM4 - 9/50mm (52kV) OM4 - 9/50mm (52kV) OM4 - 9/50mm (52kV) <p>EXISTING HW CABLES (SIZE AND TYPE INDICATED)</p> <ul style="list-style-type: none"> OM4 - 8/35mm (28kV) OM4 - 9/50mm (38kV) OM4 - 9/50mm (52kV) OM4 - 9/50mm (52kV) OM4 - 9/50mm (52kV) OM4 - 9/50mm (52kV) OM4 - 9/50mm (52kV) OM4 - 9/50mm (52kV) OM4 - 9/50mm (52kV) 	<p>LV - AERIAL CONDUCTORS</p> <ul style="list-style-type: none"> 1/325 AAC/AAAC 1/725 AAC/AAAC 6/1120 AAC/AAAC 6/1120 AAC/AAAC 150 HENRITIK SLIT WIRE 150mm SLIT WIRE 150mm <p>LV - AERIAL CONDUCTORS</p> <ul style="list-style-type: none"> 1/325 AAC/AAAC 1/725 AAC/AAAC 6/1120 AAC/AAAC 6/1120 AAC/AAAC 150 HENRITIK SLIT WIRE 150mm SLIT WIRE 150mm <p>EXISTING LV CONDUCTORS (SIZE AND TYPE INDICATED)</p> <ul style="list-style-type: none"> 1/325 AAC/AAAC 1/725 AAC/AAAC 6/1120 AAC/AAAC 6/1120 AAC/AAAC 150 HENRITIK SLIT WIRE 150mm SLIT WIRE 150mm 	<p>SCHEMATIC</p> <ul style="list-style-type: none"> RETAINING WALL RESTRICTED ZONE ESSENT <p>DW EQUIPMENT</p> <ul style="list-style-type: none"> INTERMEDIATE DWP NAME STRAIN PIT AERIAL STAY REELER LOAD BREAK SWITCH PARALLEL LBPTS <p>HV ISOLATOR</p> <ul style="list-style-type: none"> LV DISCONNECTOR ISOL TX OUTRIGGER GROUND STAY SECTIONALISER LV ARC ARREST STREET LIGHT 50V 	<p>LEGEND</p> <ul style="list-style-type: none"> HW CABLES LV - AERIAL CONDUCTORS EXISTING HW CABLES (SIZE AND TYPE INDICATED) EXISTING LV CONDUCTORS (SIZE AND TYPE INDICATED) EXISTING PIT EXISTING LOAD BREAK SWITCH EXISTING PARALLEL EXISTING LBPTS EXISTING SECTIONALISER EXISTING LV ARC ARREST EXISTING STREET LIGHT EXISTING 50V <p>STREET LIGHTS</p> <ul style="list-style-type: none"> 250W 28kV 250W 38kV 250W 52kV 500W 28kV 500W 38kV 500W 52kV 1000W 28kV 1000W 38kV 1000W 52kV <p>PILLARS / PITS / ETC</p> <ul style="list-style-type: none"> HW PIT LV PIT INTERMEDIATE PIT NAME PIT OUTRIGGER PIT LOAD BREAK SWITCH PIT SECTIONALISER PIT LBPTS PIT STREET LIGHT PIT 50V PIT <p>CABLE NUMBER TYPE & MATERIAL - NOT TO SCALE</p>
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<p>56kV SUPPLY</p> <p>MINI PILLAR INSTALLATION</p> <p>#260 CHARLES RD, MAHOGANY CREEK, W.A. 6072</p> <p>VEGETATION CLEARING REQUIREMENTS</p>	<p>DESIGNER: CUSTOMER CONNECTION DESIGN DRAWING NUMBER</p> <p>TEL: 13 10 87</p> <p>DATE: 06/22 SCALE: SHOWN AT</p> <p>GEO REF: Lot. - 3154/LOT 5 Long. - 116°08'18" E</p>
<p>NP031027</p> <p>SHEET 2 OF 2</p> <p>REV: A ORIGINAL SIZE - A1</p>	