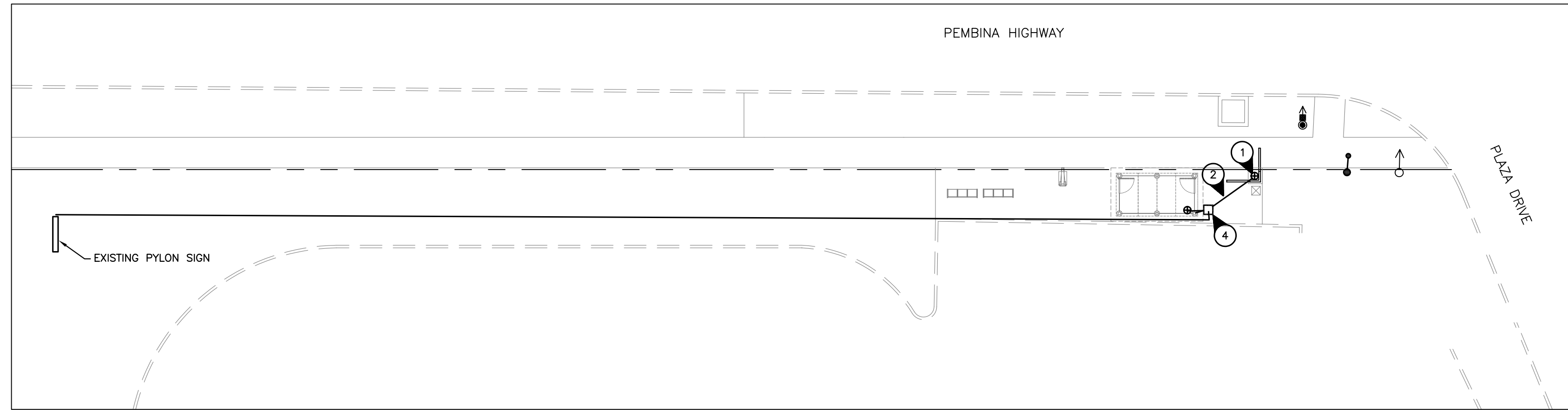
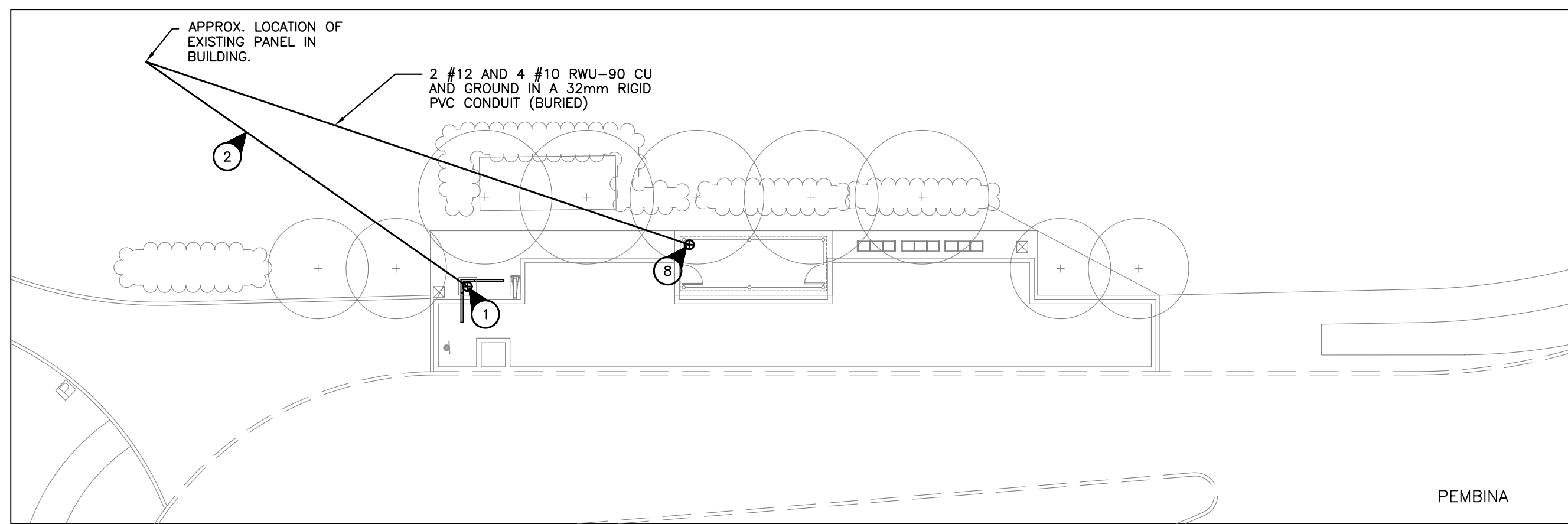


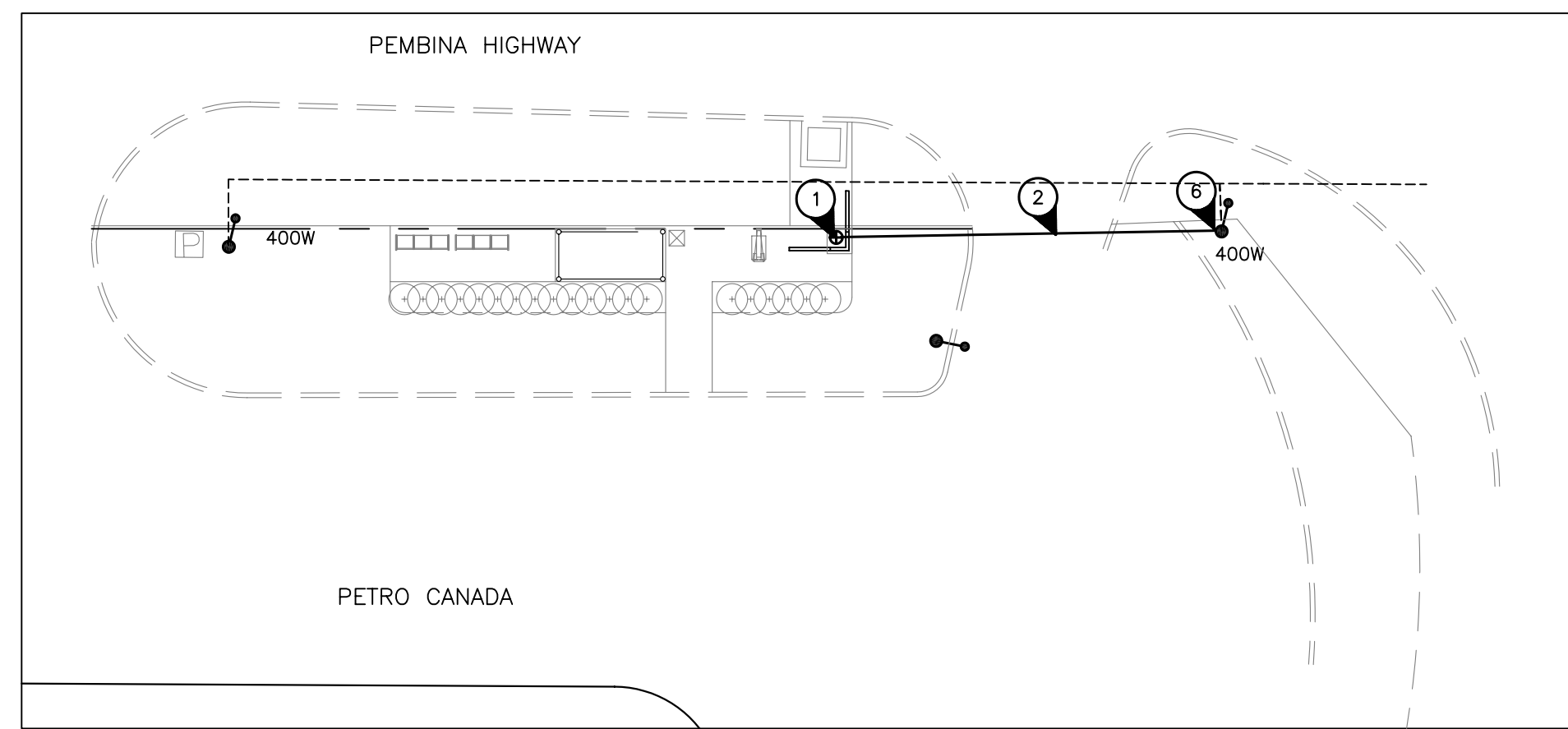
SOUTHBOUND PEMBINA OPPOSITE PLAZA  
STOP 60144 PLAZA



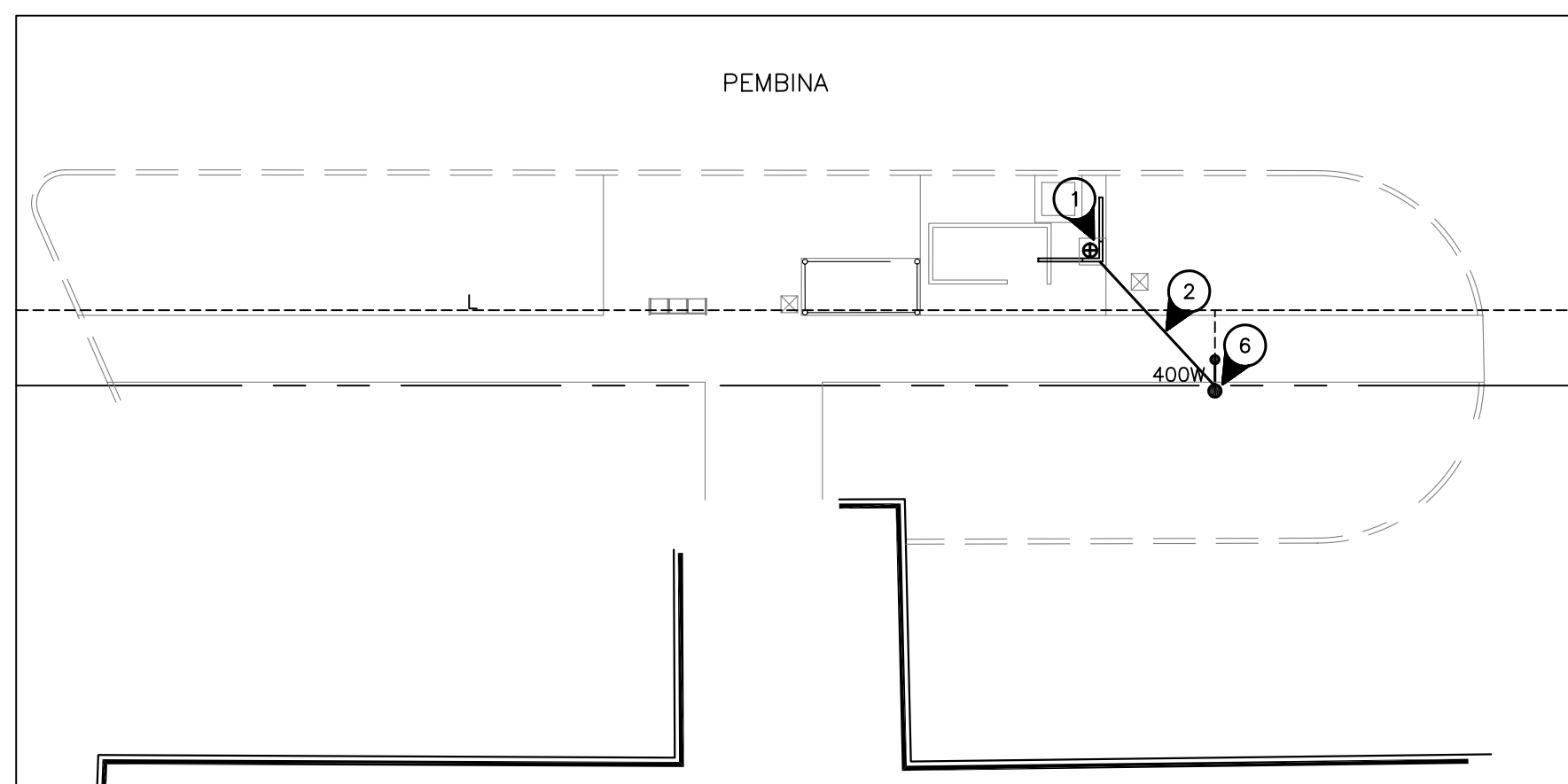
NORTHBOUND PEMBINA NEARSIDE PLAZA  
STOP 60146 PLAZA



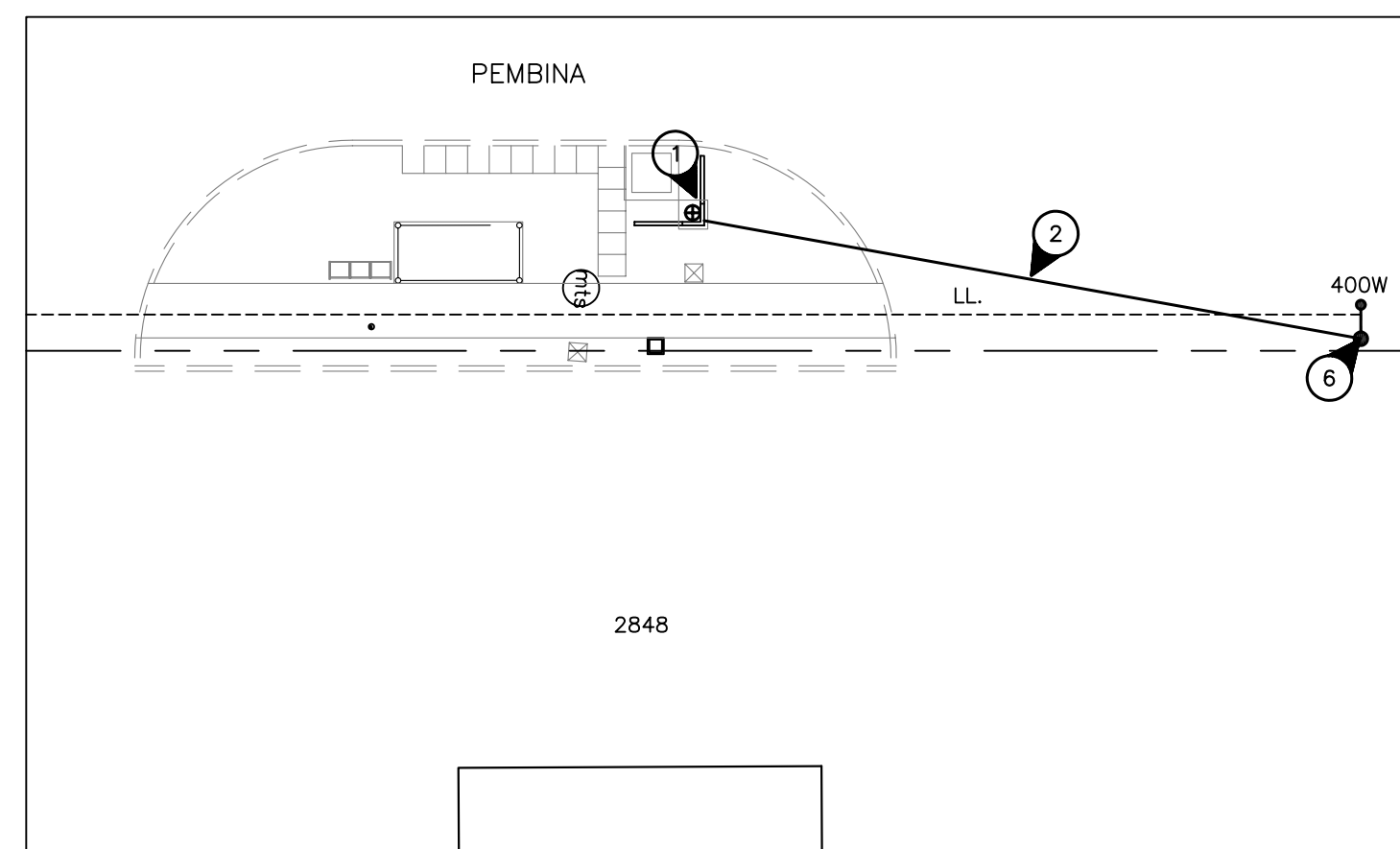
SOUTHBOUND PEMBINA OPPOSITE UNIVERSITY CRESCENT  
STOP 60138 UNIVERSITY CR.



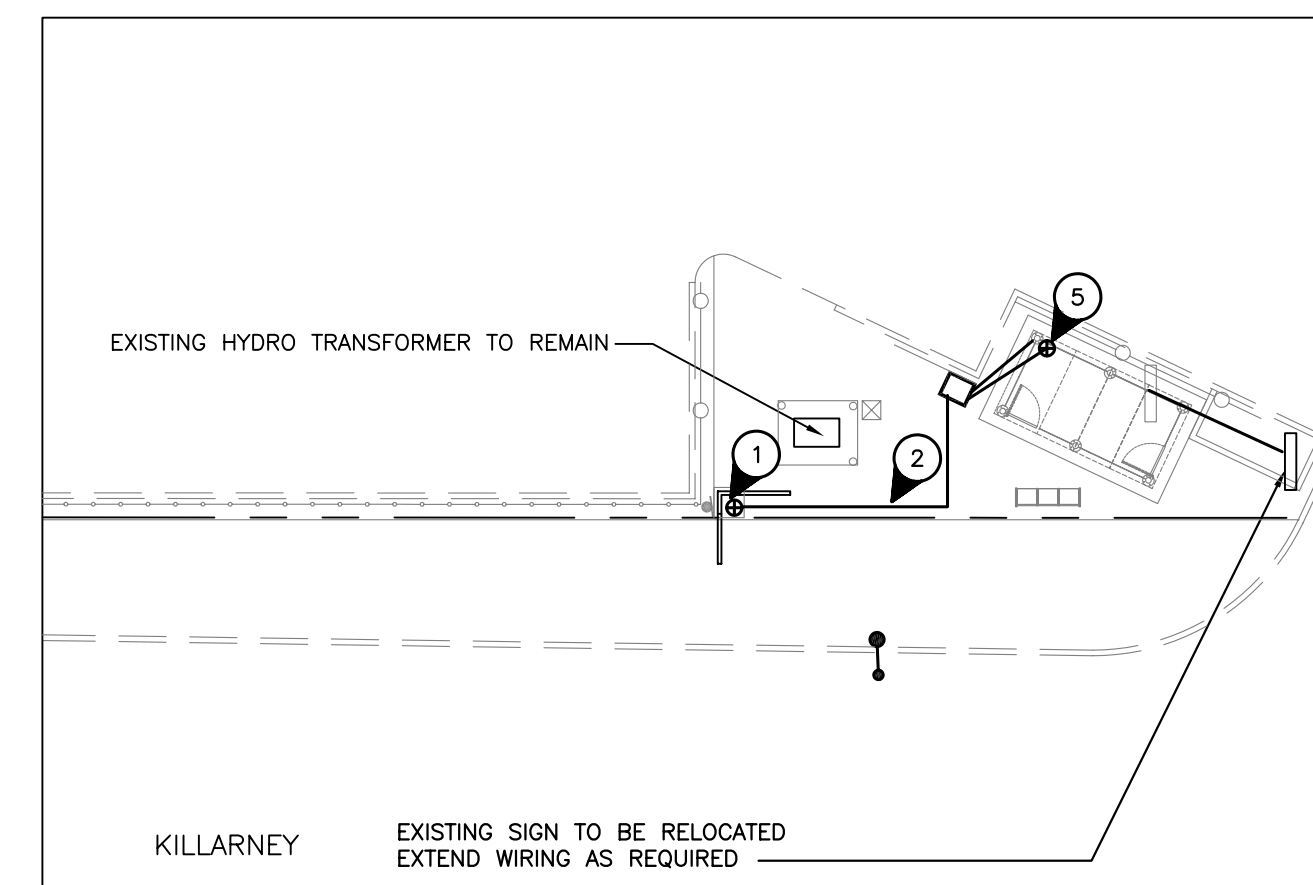
NORTHBOUND PEMBINA NEARSIDE UNIVERSITY CRES.  
STOP 60140 UNIVERSITY CR.



NORTHBOUND PEMBINA NEARSIDE MARKHAM  
STOP 60121 MARKHAM



NORTHBOUND PEMBINA NEARSIDE KILLARNEY  
STOP 61104 KILLARNEY



WESTBOUND KILLARNEY NEARSIDE PEMBINA  
STOP 60064 KILLARNEY AT PEMBINA



**Electrical Specification**

- Scope of Work - The contract shall include the furnishing of labour, new material, equipment and services necessary and reasonably implied and incidental to the complete installation of the electrical work shown on the plans and specifications. Supply and install all devices required for the complete approved system, operating to the complete satisfaction of the Contract Administrator.
- Laws, Rules, Ordinances and Inspections - The entire electrical installation shall comply with the latest edition of the Canadian Electrical Code and with all provincial and municipal laws, rules and ordinances. Prepare and submit to the proper authorities all necessary permits and pay all permit fees.
- Responsibility - The Contractor shall be responsible for any damage caused the City or their Contractors by improperly carrying out this contract.
- Drawings - The Contractor shall carefully examine all drawings relating to the Work, to be certain that the Work under this Contract can be carried out and, prior to the submission of his/her Bid in accordance with B4, report at once to the Contract Administrator any defect, discrepancy, omission or interference affecting the Work of this section or the guarantee of same.
- Identification - Install designatory lettering on all electrical equipment.
- Guarantee - The Electrical Contractor shall guarantee the satisfactory operation of all work and apparatus included and installed under this section for a period of twelve (12) calendar months after the final acceptance of the complete building.
- Existing Work - The Electrical Contractor shall take into account items which he/she is responsible for due to the changes and alterations to the existing site and allow for such items that may occur in his/her tendered price.
- Minimum wire size #12 AWG all wiring to be copper.
- All new distribution equipment is to be weather-proof, vandal-resistant.
- Identify all existing underground plant and utilities. Repair any damage to existing underground plant and utilities caused during installation of electrical equipment wiring and bases.

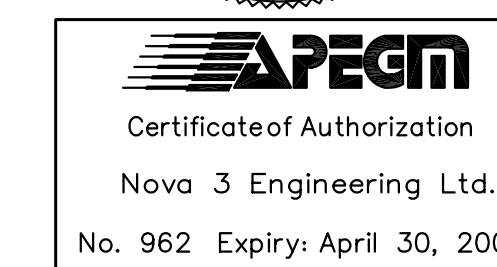
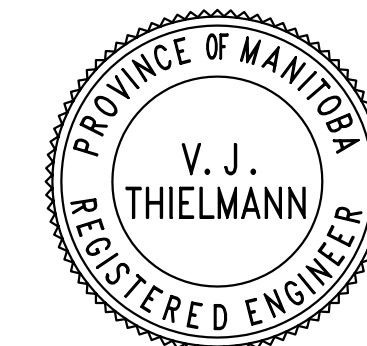
**SPECIFIC ELECTRICAL NOTES**

- WIRE & CONNECT ILLUMINATED TRANSIT SIGN AS REQUIRED. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH SIGNAGE SUPPLIER.
- BURIED 2 #12 RWU-90 CU AND GROUND IN A 32mm RIGID PVC CONDUIT (BURIED).
- NOT USED.
- CONNECT NEW SIGN AND TRANSIT SHELTER LIGHTING AND HEATING CIRCUITS TO NEW POWER PEDESTAL 'A'. REFER TO DRAWING E1.1 FOR DETAIL. CONNECT NEW PEDESTAL TO EXISTING PYLON SIGN INDICATED WITH 3#3 RWU90 CU IN 38MM RIGID PVC CONDUIT.
- CONNECT NEW SIGN AND TRANSIT SHELTER LIGHTING AND HEATING CIRCUITS TO NEW POWER PEDESTAL 'A'. REFER TO DRAWING E1.1 FOR DETAIL. CONNECT NEW PEDESTAL TO MB HYDRO PAD MTD. TRANSFORMER WITH 3#6 RWU90 CU IN 25MM RIGID PVC CONDUIT.
- CONNECT NEW SIGN TO EXISTING STREET LIGHT INDICATED. PROVIDE A 15A-2P WEATHER-PROOF SERVICE ENTRANCE RATED DISCONNECT AT SIGN (240V-1PH).
- CONNECT NEW SIGN TO EXISTING PYLON SIGN INDICATED. PROVIDE A 15A-2P WEATHER-PROOF SERVICE ENTRANCE RATED DISCONNECT AT SIGN (240V-1PH).
- CONNECT NEW SIGN AND TRANSIT SHELTER LIGHTING AND HEATING CIRCUITS TO EXISTING PANEL. PROVIDE ONE 15A-1P C.B. FOR SIGN AND ONE FOR SHELTER LIGHTING. PROVIDE ONE 30A-2P AND ONE 15A-2P C.B. FOR SHELTER HEATING. ALL BREAKERS ARE TO MATCH EXISTING.

No.	Revisions	Date	By
12-07-07	1:200		
Designed By	Drawn By	Checked By	
DZ	DZ	VJT	

**GENERAL ELECTRICAL NOTES**

- INSTALL JUNCTION BOX IN SHELTER TO PROVIDE POWER FOR LIGHTING AND HEATING CIRCUITS.
- LABEL ELECTRICAL CIRCUIT AND DEVICES WITH LAMACOID PLATES.
- LOCATE ALL EXISTING U/G SERVICES PRIOR TO TRENCHING.
- MINIMUM WIRE SIZE #12.
- ALL SERVICE POINTS TO BE COORDINATED WITH MB HYDRO.



**NOVA 3 ENGINEERING LTD.**  
CONSULTING ENGINEERS  
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R3C 1C7  
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WINNIPEG TRANSIT  
Project Title

**BUS STOP  
UPGRADE PROGRAM  
PHASE 1**

Sheet Title  
**ELECTRICAL PLANS  
2 of 2**

Project No. 26-173 Drawing No. E1.2