The Government of the Province of British Columbia  
Ministry of the Environment  
Water Investigations Branch  

Canada—British Columbia  
Fraser River Flood Control 1968 Agreement  
Project No. 3  The Township of Richmond  

Contract No. 17  
South Dyke — West Sector  
Drainage Discharge Structures
TYPICAL 2 SPEED FAN STARTER CONNECTIONS

GENERAL NOTES:
1. THE ENTIRE ELECTRICAL INSTALLATION SHALL COMPLY WITH THE CANADIAN ELECTRICAL CODE, PART I (20th EDITION) AND THE ELECTRICAL REGULATIONS, PART II OF B.C. REGULATIONS. THE INSTALLATION SHALL COMPLY WITH THE REQUIREMENTS OF THE LOCAL AUTHORITY HAVING JURISDICTION.
2. ALL ELECTRICAL EQUIPMENT AND MATERIAL SHALL BE LISTED AND C.S.A. APPROVED. WHERE STANDARDS HAVE BEEN ESTABLISHED BY THAT AGENCY.
3. THE COMPLETE INSTALLATION SHALL COMPLY WITH THE CONTRACT DOCUMENTS.
4. LOCATION OF BLOCCOUT IN CONCRETE AND PLACING OF SLEEVED CONDUIT AND SLEEVEs SHALL BE CO-ORDINATED WITH THE OTHER TRADES.

LEGEND:
- AMMETER
- VOLTMETER
- MOTOR STARTER CONTACTOR
- TWO SPEED STARTER CONTACTOR
- TWO WIRE STARTER
- TWO WIRE CONTACTOR
- OVERLOAD RELAY
- THREE PHASE REVERSAL RELAY
- TRANSFORMER
- OVERLOAD
- FUSE
- CURRENT LIMITER

NOTE:
1. FOR BUILDING DETAILS REFER TO ARCHITECTURAL DRAWINGS AND SITE PLAN.
2. FOR SERVICE DETAILS AND SITE PLAN REFER TO DRAW.

TYPICAL VOLTMETER-AMMETER CONNECTIONS

ONE LINE DIAGRAM
GENERAL NOTES - STRUCTURAL

- Design in accordance with CSA A23.3-1978 Code for the Design of Reinforced Concrete Structures.
- Construction shall be in accordance with CSA A23.1-1978, specifications for Structural Concrete for Buildings.
- Specified strength of concrete is 4000 psi.
- Reinforcing steel shall be deformed bars conforming to CSA A23.1-1972.
- Grade 60 or 65.
- Masonry, masonry infilling, to be 3" thick for the sides, 5" thick for the bottom.
- Reinforcing to be of lengths indicated with construction joints at almost unless otherwise approved by the engineer.
- CONCRETE FINISHES:
  - Floor and base slab: smooth finish, exposed horizontal surfaces.
  - Interior, exterior exposed walls and concrete: floated finish.
- CHAMFERS: 1/4" radius for all exposed corners.
- For location of workpoint see 4799-17-117.
Section 4

Additional details:
- Symmetrical about A
- Asymmetrical about E
- Additional details
- #3 B11'
- #2 B12'
- #2 B10'
- 8 3/4" centered at 12'
- 8 5/8" top
- 8 1/2" bottom

Notes:
- For general notes see 4/18-11-81

Scale in Feet

CBA Engineering Ltd.
Consulting Engineers - Vancouver - Canada
For general Notes see 4749-17-09
INLET SCREEN
INLET SCREEN
VIEW A
BAR SCREEN
VIEW B
TYPICAL ANCHOR DETAIL

Embedded metal

Bar 1/4 x 1/2 x 1-1/2 (EAD) @ corner

Angle to suit

Sew 2 x 11 @ 6" o.c. top and sides of anchor frame and
through CECP with #10 grip machine bolts, length to suit

Held it bare

Fabricate sq frame
to #10 CECP, 90 deg. 16 ga galv CRB

NOTES
- For structural details of Drainage Structures see appropriate Contract Drawings.
PRECAST CONCRETE COVER

WOODWARDS SLOUGH
PRECAST CONCRETE COVER
REINFORCEMENT

TYPICAL
PRECAST CONCRETE COVER
REINFORCEMENT