

Drawing Schedule

Landscape

- L1 SITE PLAN
- L2 LAYOUT
- L3 ELLIPSE LAYOUT & DETAILS
- L4 GRADING
- L5 SECTIONS & DETAILS
- L6 PLANTING LANDSCAPING NOT IN CONTRACT
PROVIDED FOR INFORMATION PURPOSES
- L7 DETAILS
- L8 DETAILS
- L9 IRRIGATION

Structural

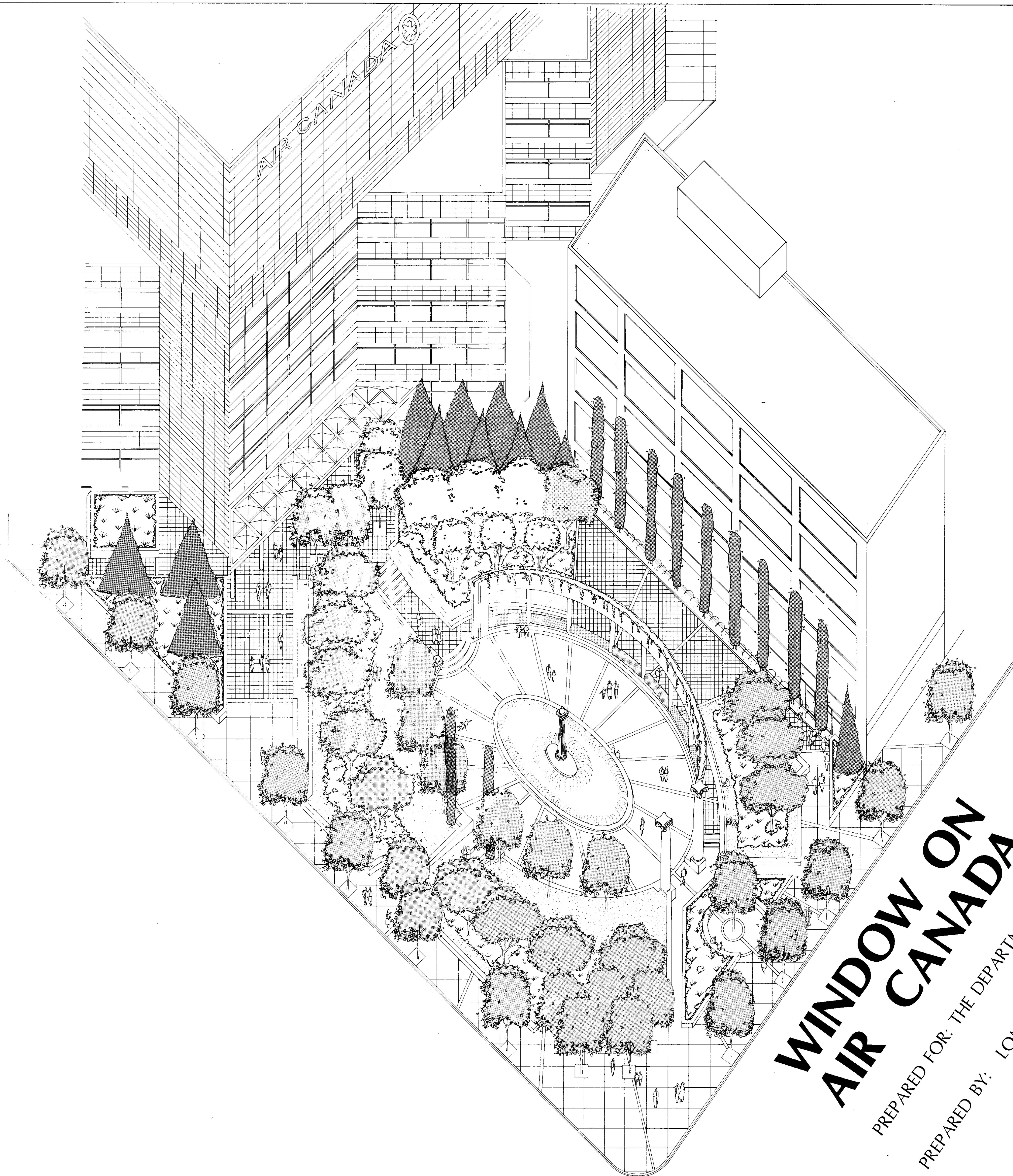
- S1 PILING AND PLANTER LAYOUT

Mechanical

- M1 MECHANICAL LAYOUT
- M2 MECHANICAL DETAILS

Electrical

- E1 ELECTRICAL LAYOUT
- E2 ELECTRICAL DETAILS



**WINDOW ON
AIR CANADA**

PREPARED FOR: THE DEPARTMENT OF ENVIRONMENTAL PLANNING,
CITY OF WINNIPEG

PREPARED BY: LOMBARD NORTH GROUP
STECHESEN KATZ
JULY, 1984

LANDSCAPE ARCHITECTS
ARCHITECTS

GENERAL MANAGER PARKS AND RECREATION
CITY OF WINNIPEG

CANADIAN IMPERIAL
BANK OF COMMERCE

NORTHSIDE CENTRE

AIR CANADA

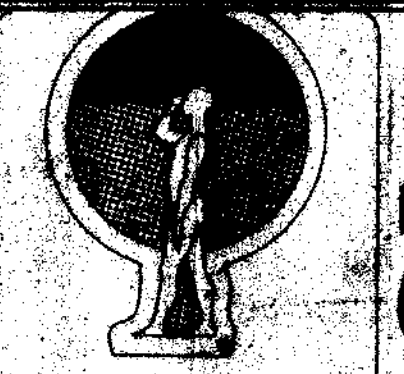
Brown Limestone N.I.C.

PORTAGE AVENUE

CARLTON STREET

ARCHITECTS, PLANNERS
and INTERIOR DESIGNERS

STECHESEN
KATZ



Lombard
North
Group

A Detail Number
B Page Where
Detail is Drawn

LEGEND

- Charcoal Murch II Interlock
- Retarded Concrete
- Soft Landscape Areas
- Handrail Locations
- Pool Tile
- Trench Drain
- Waste Container

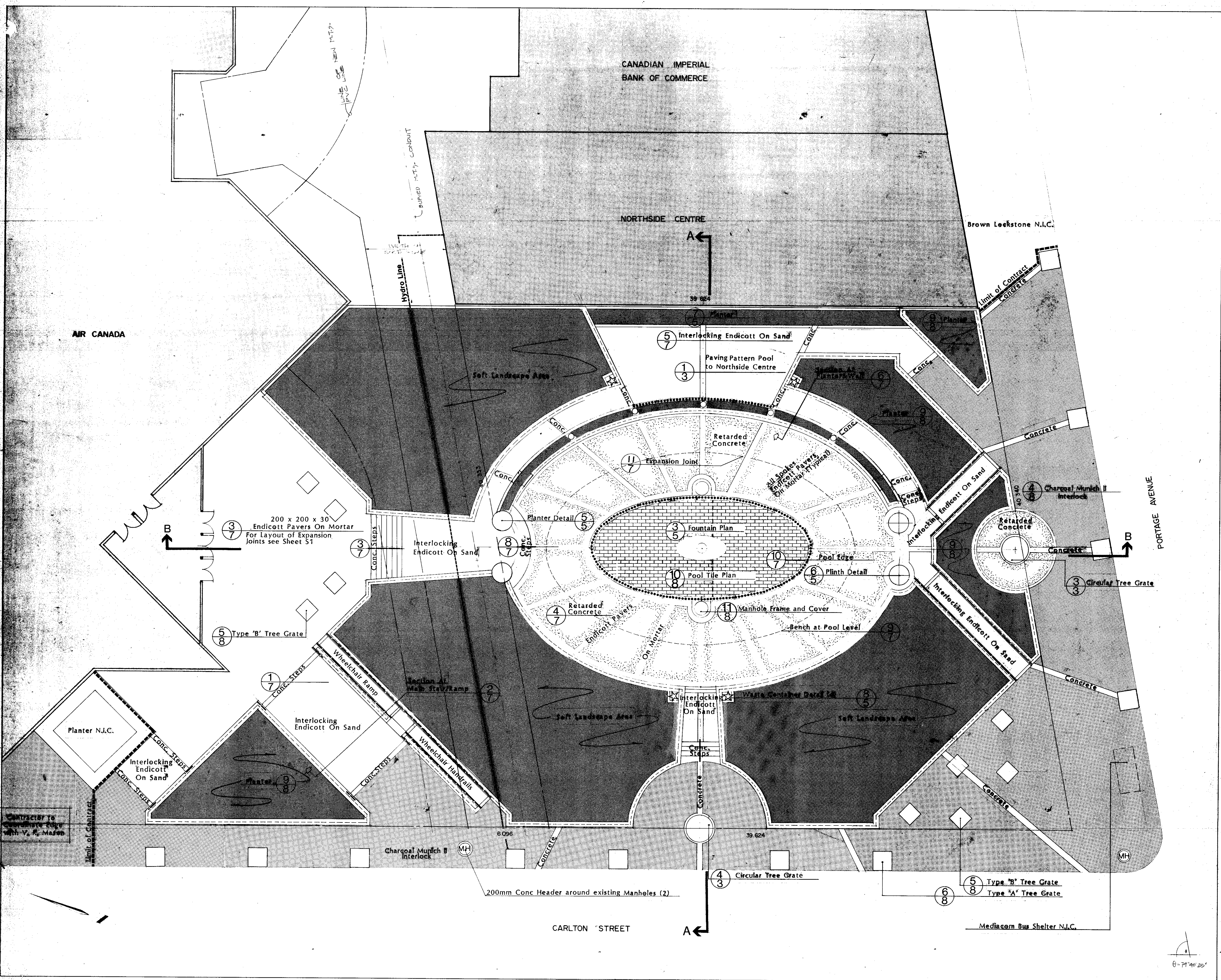
REVISION DATE BY

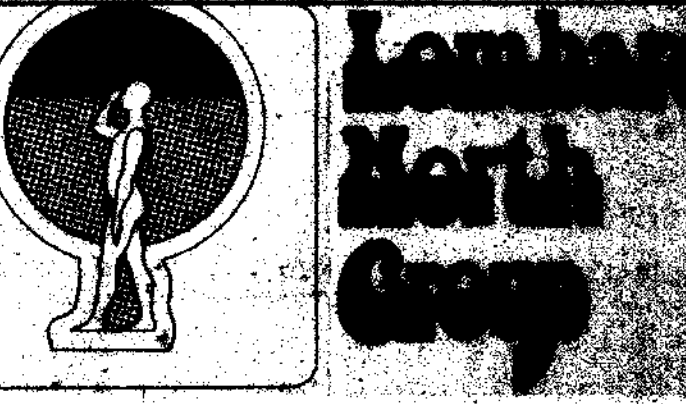
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DRAWING TITLE
SITE PLAN
PROJECT TITLE
**WINDOW ON
AIR CANADA**



DATE June 29, 1984	DRAWN JP B.N.J.
SCALE 1:100	FILE 8412
DRAWING FD 84-144	REVISIONS L1

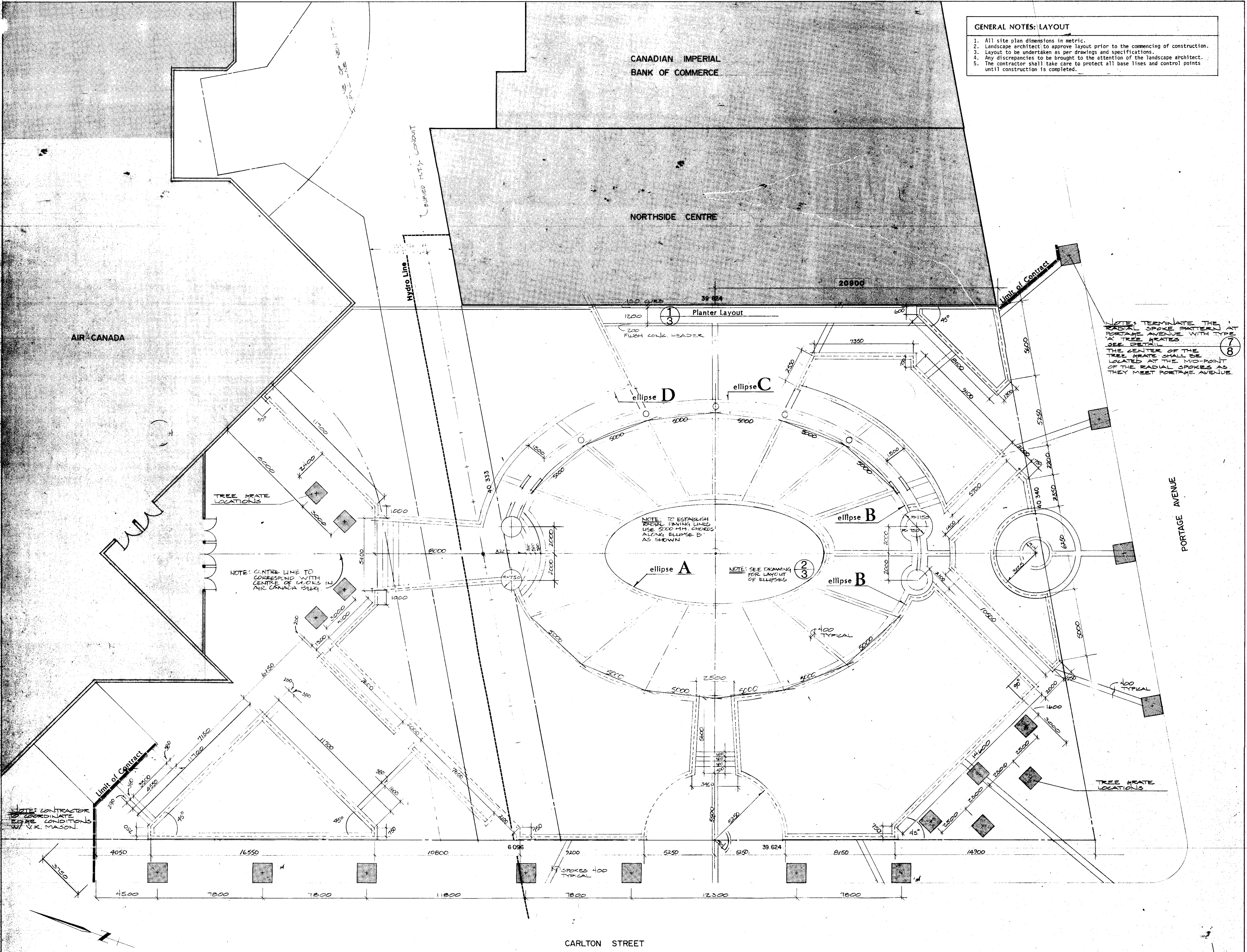




A Detail Number
B Page Where
Detail is Drawn

GENERAL NOTES: LAYOUT

- All site plan dimensions in metric.
- Landscape architect to approve layout prior to the commencing of construction.
- Layout to be undertaken as per drawings and specifications.
- Any discrepancies to be brought to the attention of the landscape architect.
- The contractor shall take care to protect all base lines and control points until construction is completed.



NOTE: TERMINATE THE RADIAL SPOKE BATTERED AT PORTAGE AVENUE WITH THE 2X TREE GRATES. SEE DETAIL (7) 8

THE CENTER OF THE TREE GRATE SHALL BE LOCATED AT THE MID-POINT OF THE RADIAL SPOKES AS THEY MEET PORTAGE AVENUE.

NOTE: TO ESTABLISH TYPICAL FINISH LINES USE 5000 MM CHORDS ALONG ELLIPSE D AS SHOWN

NOTE: SEE DRAWING FOR LAYOUT OF ELLIPSES

NOTE: CENTRE LINE TO CORRESPOND WITH CENTRE OF WALKS IN AIR CANADA BLDG.

NOTE: CONTRACTOR TO COORDINATE EDGE CONDITIONS WITH V.K. MASON.

REVISION	DATE	BY

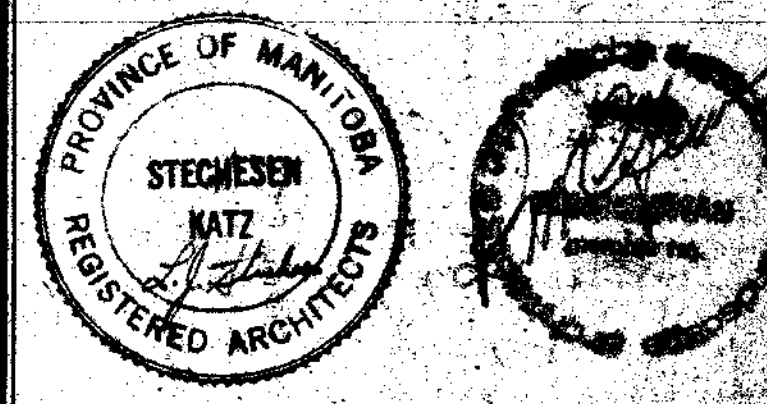
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DRAWING TITLE
LAYOUT

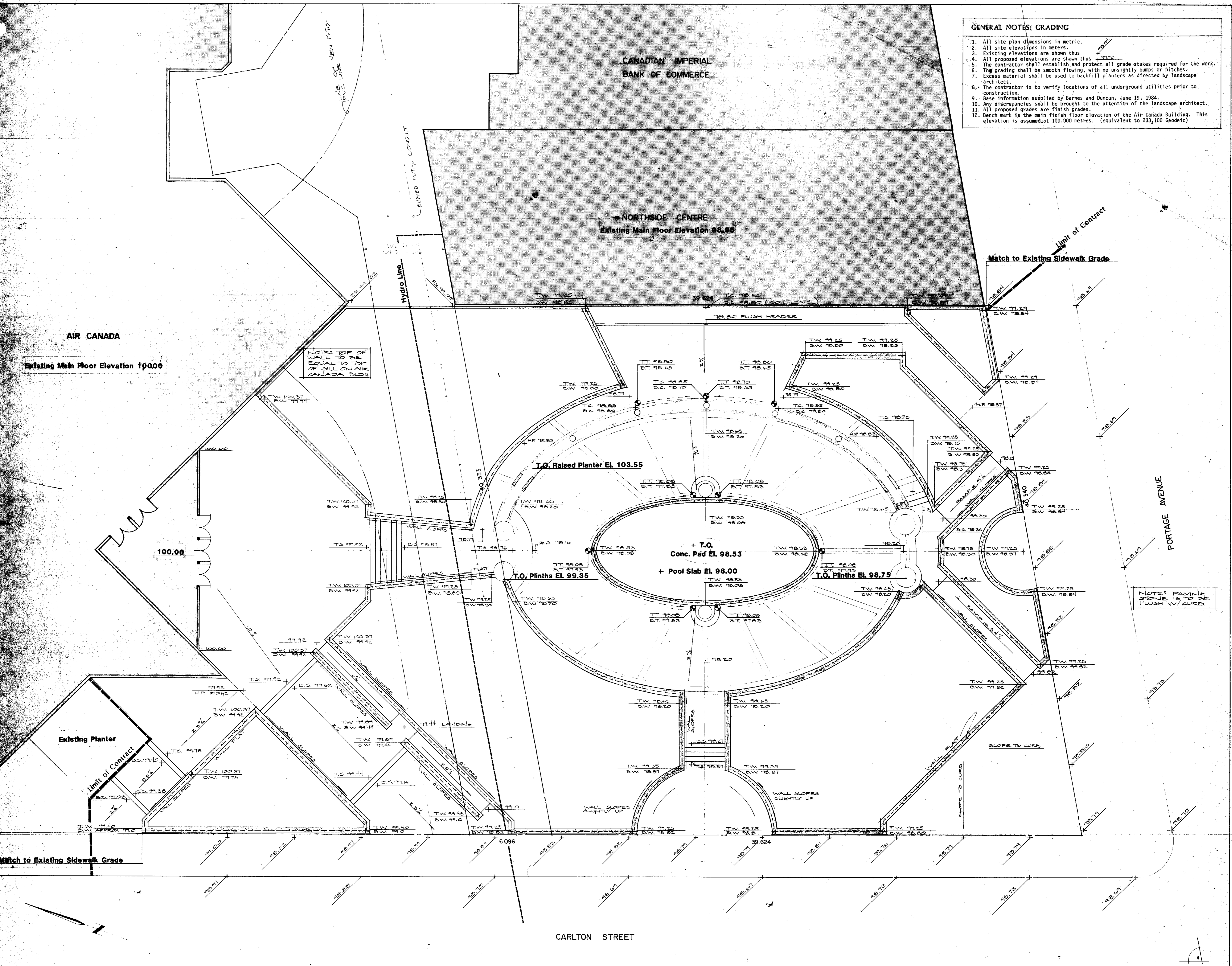
PROJECT TITLE
WINDOW ON AIR CANADA



DATE June 29, 1984	DRAWN A.S.B./J.P.
SCALE 1:100	FILE 8412
DRAWING PD 84-144 L2	REVISIONS

CARLTON STREET

8-71'40" 25'



- GENERAL NOTES: GRADING**
- All site plan dimensions in metric.
 - All site elevations in meters.
 - Existing elevations are shown thus ± 100.00
 - All proposed elevations are shown thus ± 100.00
 - The contractor shall establish and protect all grade stakes required for the work.
 - The grading shall be smooth flowing, with no unsightly bumps or pitches.
 - Excess material shall be used to backfill planters as directed by landscape architect.
 - The contractor is to verify locations of all underground utilities prior to construction.
 - Base information supplied by Barnes and Duncan, June 19, 1984.
 - Any discrepancies shall be brought to the attention of the landscape architect.
 - All proposed grades are finish grades.
 - Bench mark is the main finish floor elevation of the Air Canada Building. This elevation is assumed at 100.00 metres. (equivalent to 233,100 Geoidic)



LEGEND

	Existing Elevation
	Proposed Elevation
T.W.	Top Of Wall
B.W.	Bottom Of Wall
T.S.	Top Of Step
B.S.	Bottom Of Step
T.C.	Top Of Curb
B.C.	Bottom Of Curb
H.P.	High Point
T.T.	Top of Trench Drain
B.T.	Bottom of Trench Drain
R.E.	Rim Elevation
I.E.	Invert Elevation Direction of Trench Drainage

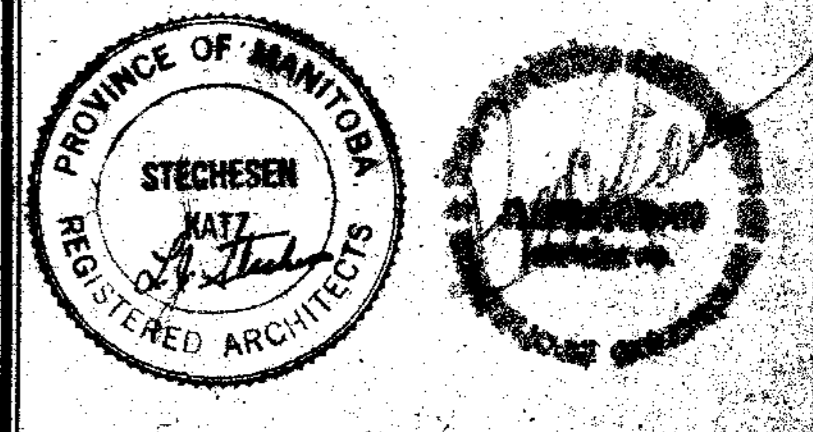
- A. Detail Number
B. Page Where
Detail is Drawn

REVISION	DATE	BY
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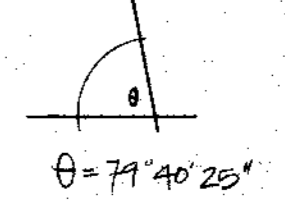
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GRADING

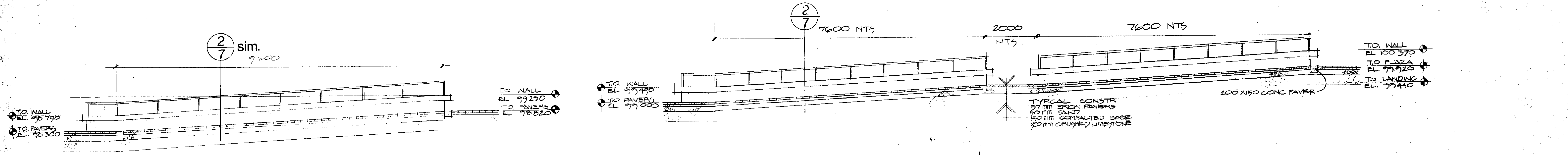
PROJECT TITLE
**WINDOW ON
AIR CANADA**



DATE June 29, 1984	DRAWN J.P.
SCALE 1:100	FILE 8412
DRAWING PD 84-144	REVISIONS L4

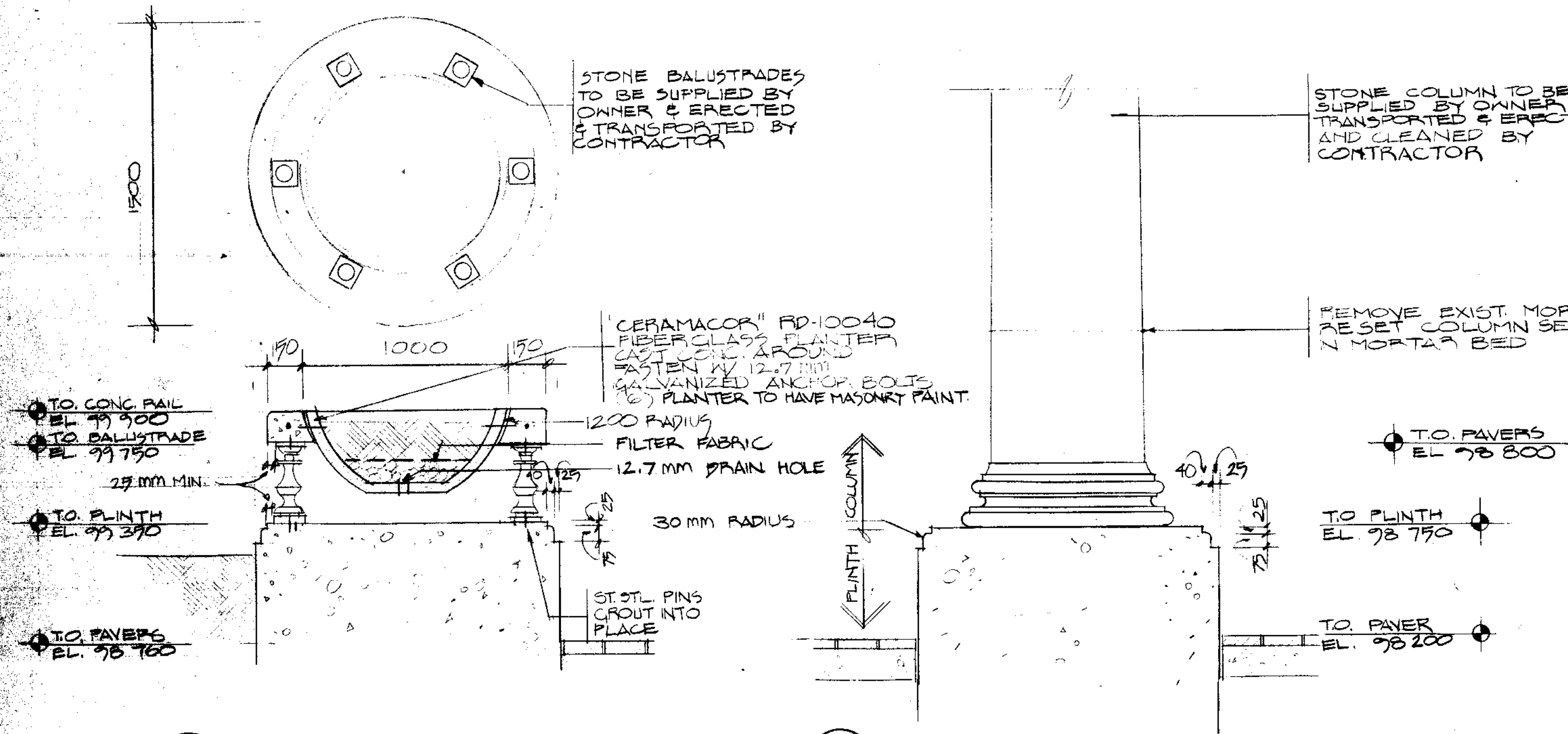
NOTE: Existing and Proposed Grades based on Existing Main Floor Elevation of Air Canada Building Assumed at 100.00





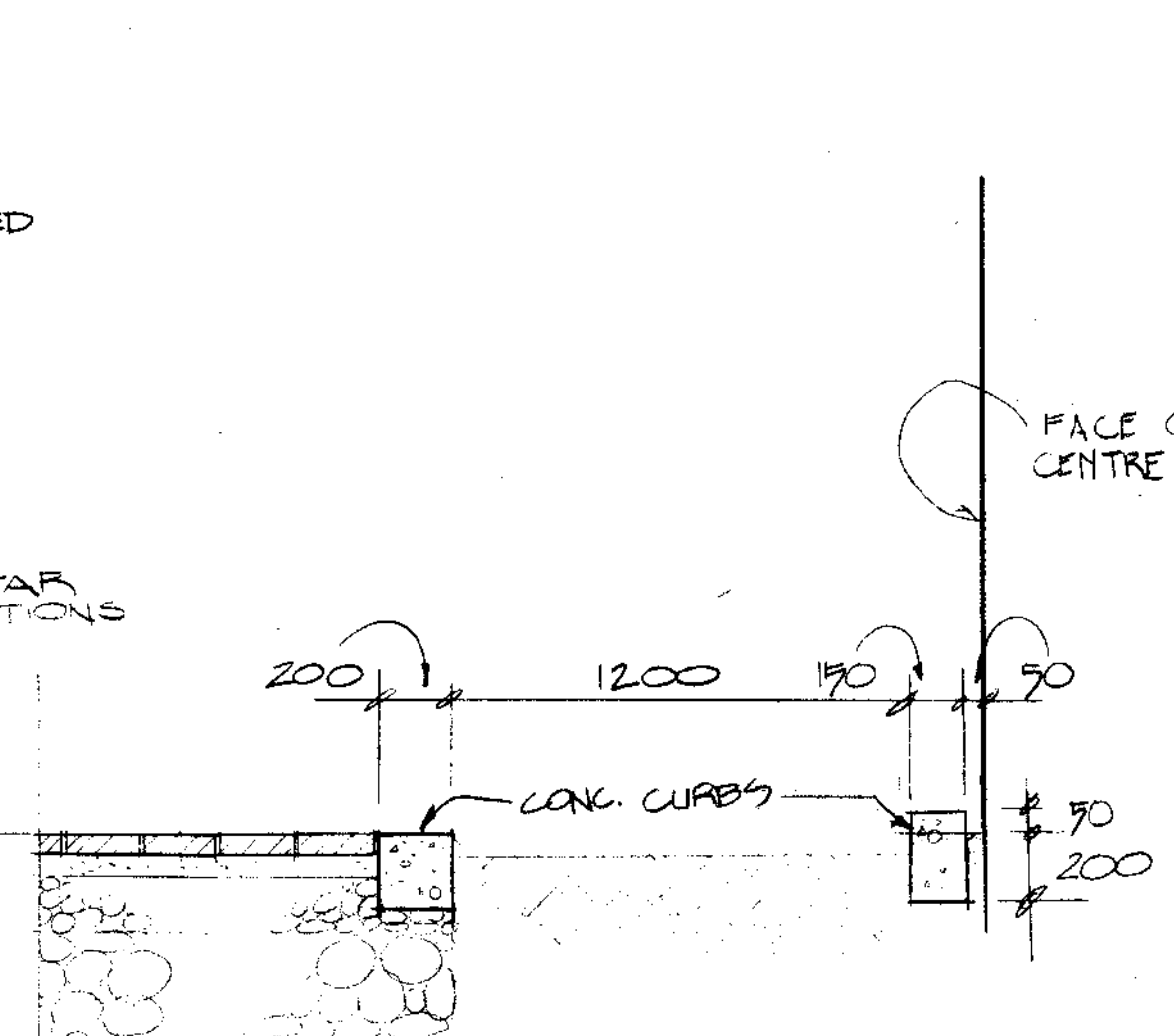
1 PARK ENTRY RAMP SECTION
5 1:50

2 AIR CANADA ENTRY RAMP SECTION
5 1:50

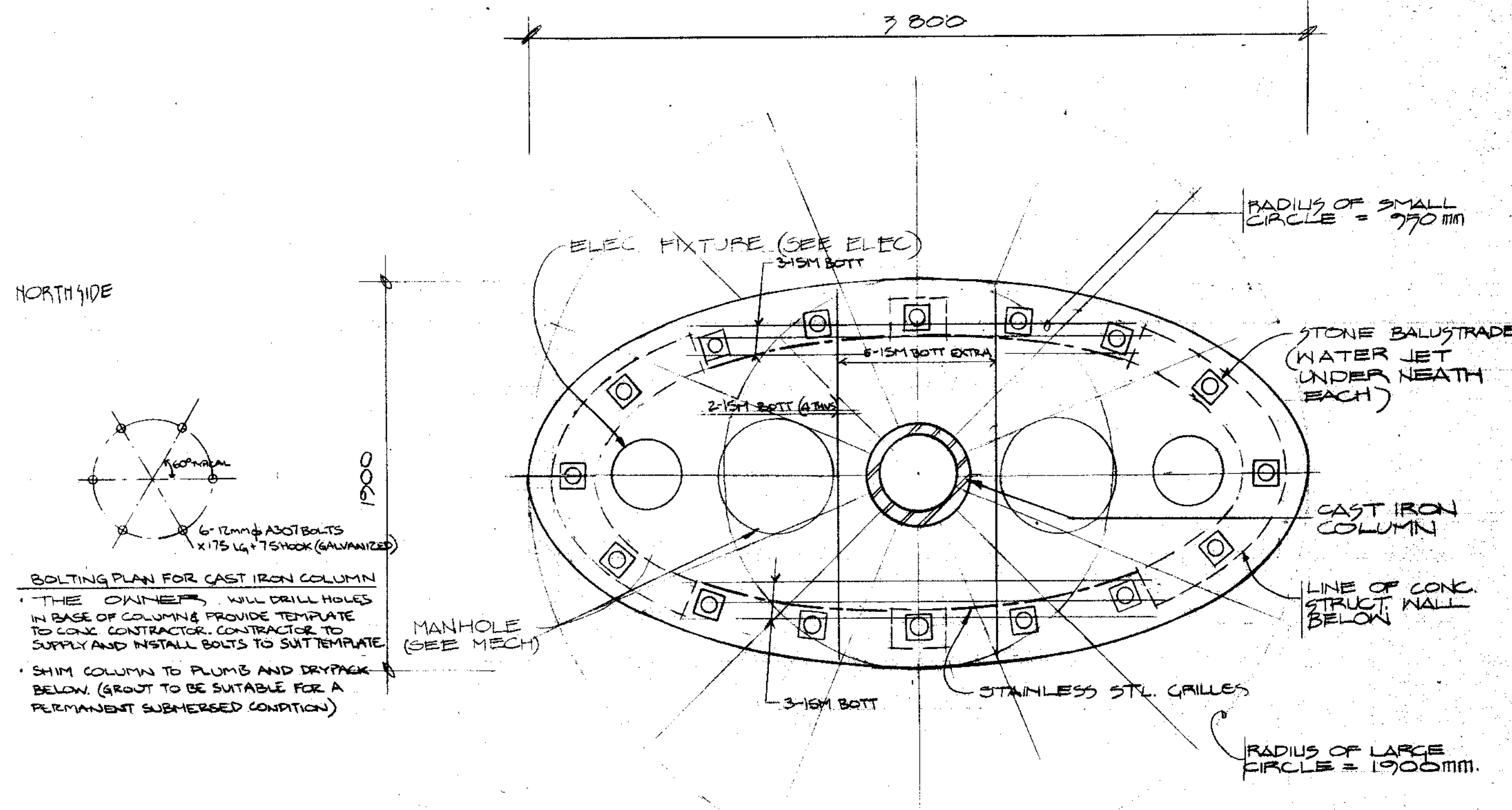


5 PLANTER DETAIL
5 1:20

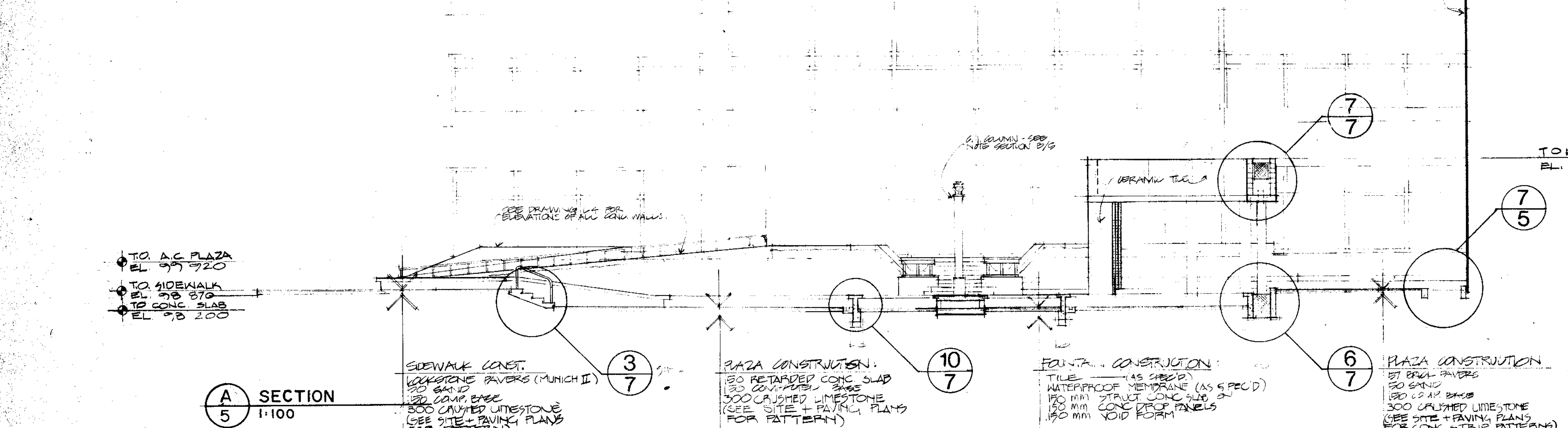
6 PLINTH DETAIL
5 1:20



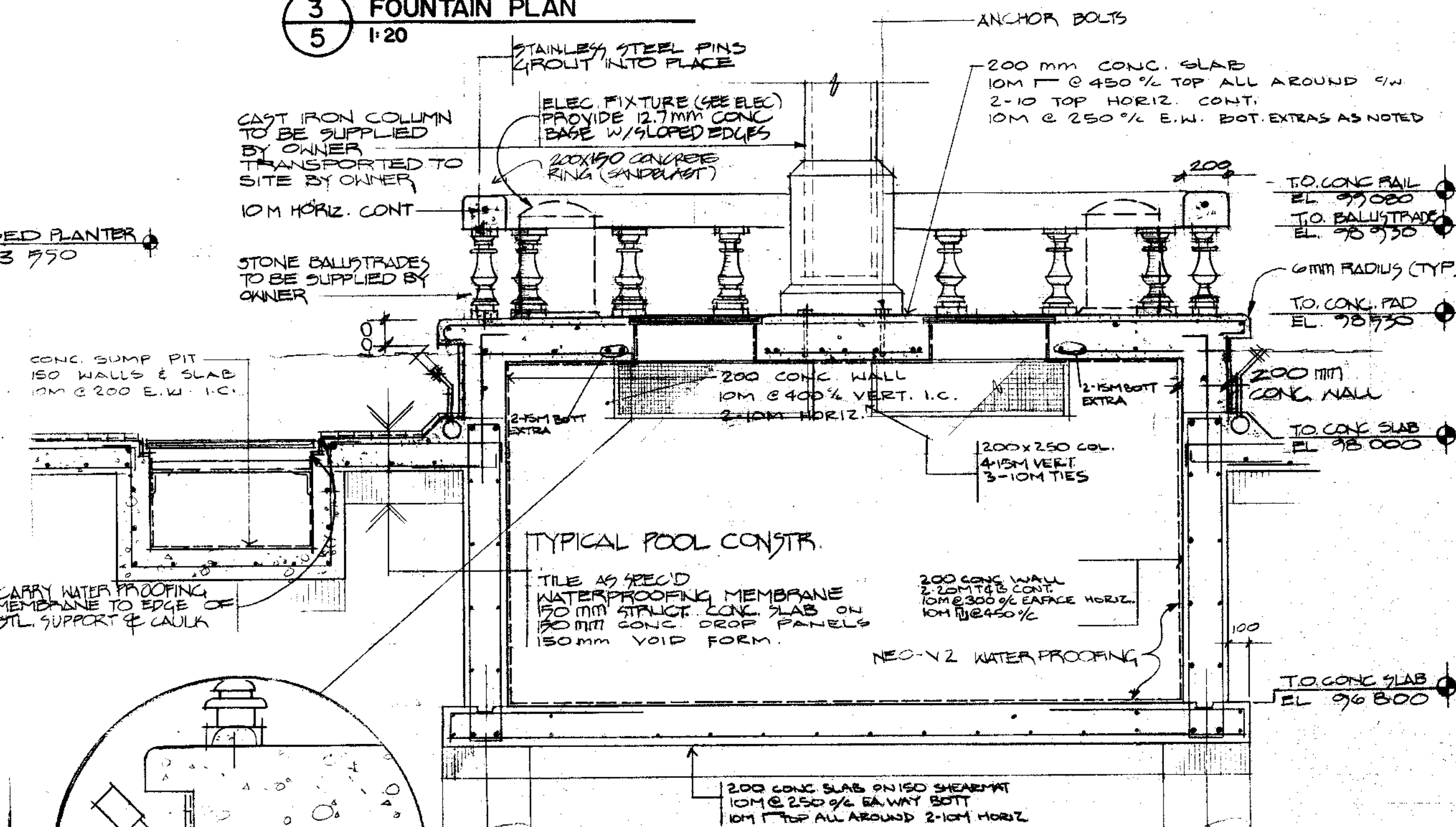
7 PLANTER DETAIL
5 1:20



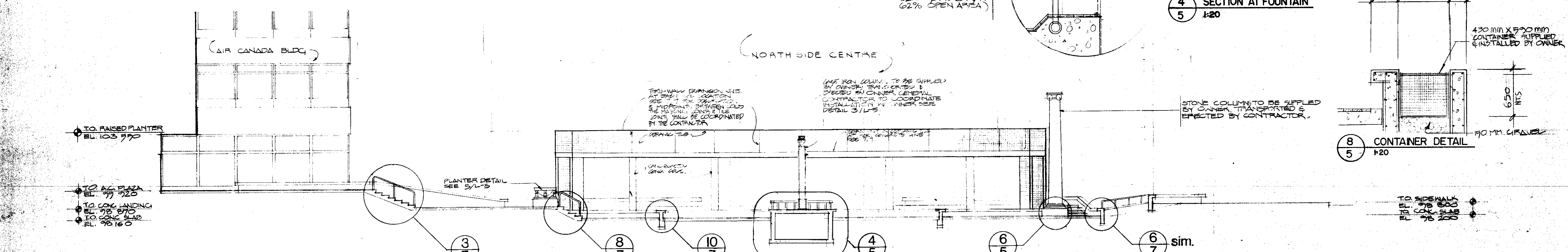
3 FOUNTAIN PLAN
5 1:20



A SECTION
5 1:100



4 SECTION AT FOUNTAIN
5 1:20



B SECTION
5 1:100

8 CONTAINER DETAIL
5 1:20

ARCHITECTS, PLANNERS
and INTERIOR DESIGNERS

**STECHESEN
KATZ**

COOPER, HILGOUR & PARTNERS LTD.
Consulting Architect-Engineers

REVISION DATE BY

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DRAWING TITLE: **SECTIONS & DETAILS**

PROJECT TITLE: **WINDOW ON AIR CANADA**

PROVINCE OF MANITOBA REGISTERED ARCHITECTS

DATE: June 29, 1984

SCALE: AS NOTED

DRAWING: PD 84-144

DRAWN: B.S. & B.C.

FILE: 8412

REVISIONS: L5

CANADIAN IMPERIAL
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GENERAL NOTES: PLANTING

1. All shrubs to arrive on site in containers.
2. All plant material to conform to minimum standards as set out in the Canadian Nursery Trades Association Metric Guide Specifications for Nursery Stock, Third Edition, April 1984.
3. All discrepancies to be brought to the attention of the landscape architect.
4. The contractor shall be responsible for the maintenance of all planted areas until date of final acceptance. This period shall not exceed 30 days.
5. All plant material shall be fully guaranteed for one full year from date of final acceptance.
6. All plant material is to be installed as per drawing details and specifications.
7. Layout is to be approved by landscape architect prior to construction.

ARCHITECTS, PLANNERS
and INTERIOR DESIGNERS

STECHESEN
KATZ



Lombard
North
Group

Wind Poles

Shrubs to be planted to the southwest of each column. Propagation shall be a guaranteed method and shall be placed out to the windward side of the shrub. They may be located elsewhere if the shrub has been approved by the landscape architect.

Legend

- Indicates Area for Annuals
- Indicates Pressure Treated
- A. Detail Number
- B. Page Where Detail is Drawn

- 1 Colorado Spruce
- Planter with
- 3 Mugho Pine
- 5 Arcadia Juniper

- 2 Kelsey Crab
- 1 Snowbird Hawthorn

- Planter with
- 6 Gold Tip Juniper
- 7 Arcadia Juniper
- 8 Blue Danube Juniper
- 10 Morden Amorette Rose

- 10 Swedish Aspen
- Shrub Bed with
- 33 Morden Amorette Rose

NORTHSIDE CENTRE

- 7 Colorado Spruce

- 3 Japanese Tree Lilacs

- Shrub Bed with
- 17 Gold Tip Juniper
- 19 Arcadia Juniper
- 19 Blue Danube Juniper
- 10 Meyer Lilac

- 2 Selkirk Crab
- 2 Toba Hawthorn

Top of Column Wall -
120 Virginia Creeper

- Planter with
- 8 Scandia Juniper
- 13 Arcadia Juniper
- 13 Broadmoor Juniper
- 10 Morden Amorette Rose

- 1 Basswood

PORTAGE AVENUE

38 X 140 Pressure Treated Header

- 2 Swedish Aspen

- 5 Green Ash

Sod

Sod

- 5 Green Ash

- 3 Colorado Spruce

- 11 Green Ash (Street Trees)
- 100mm caliper

- Planter with
- 8 Mugho Pine
- 16 Arcadia Juniper

- Shrub Bed with
- 28 Broadmoor Juniper
- 27 Arcadia Juniper
- 27 Scandia Juniper
- 15 Morden Amorette Rose

CARLTON STREET

- 5 Thunderchild Crab

- 4 Thunderchild Crab

- 1 Basswood

- Shrub Bed with
- 20 Scandia Juniper
- 23 Arcadia Juniper
- 19 Broadmoor Juniper
- 10 Morden Amorette Rose

NOTE: LANDSCAPING NOT IN CONTRACT
PROVIDED FOR INFORMATION ONLY

6-21-84

REVISION DATE BY

DRAWING TITLE

PLANTING

PROJECT TITLE

WINDOW ON AIR CANADA

PROVINCE OF MANITOBA REGISTERED ARCHITECTS

STECHESEN KATZ

DATE

June 29, 1984

SCALE

1:100

DRAWING

PD 84-144

REVISION

16

DATE

June 29, 1984

SCALE

1:100

DRAWING

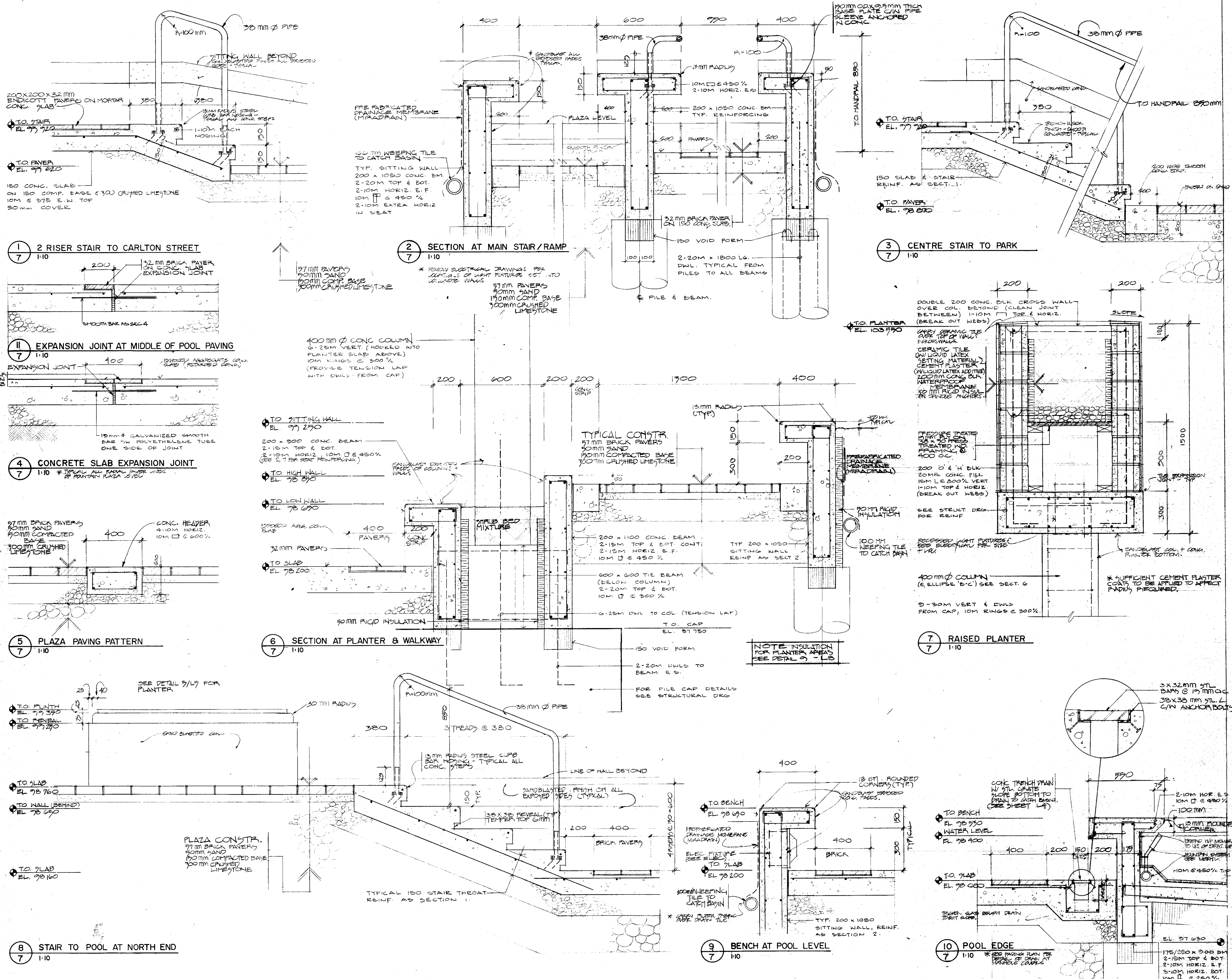
PD 84-144

REVISION

16



CROSSLING & PARTNERS LTD.
Writing & Design
1000-1000

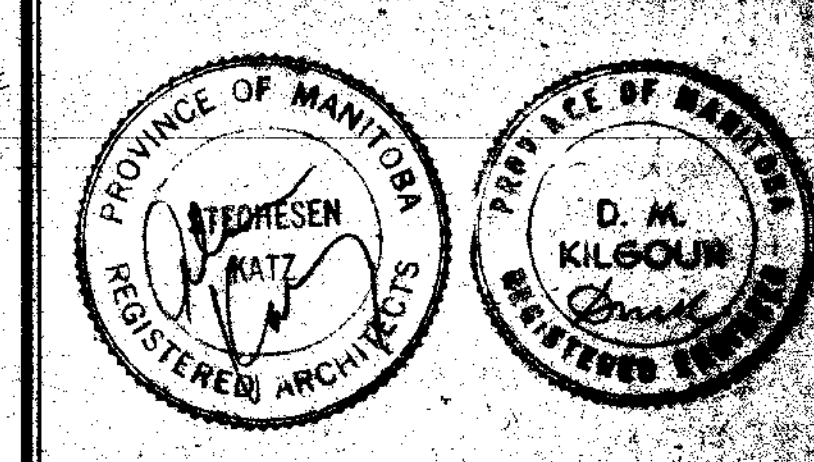


REVISION	DATE	BY

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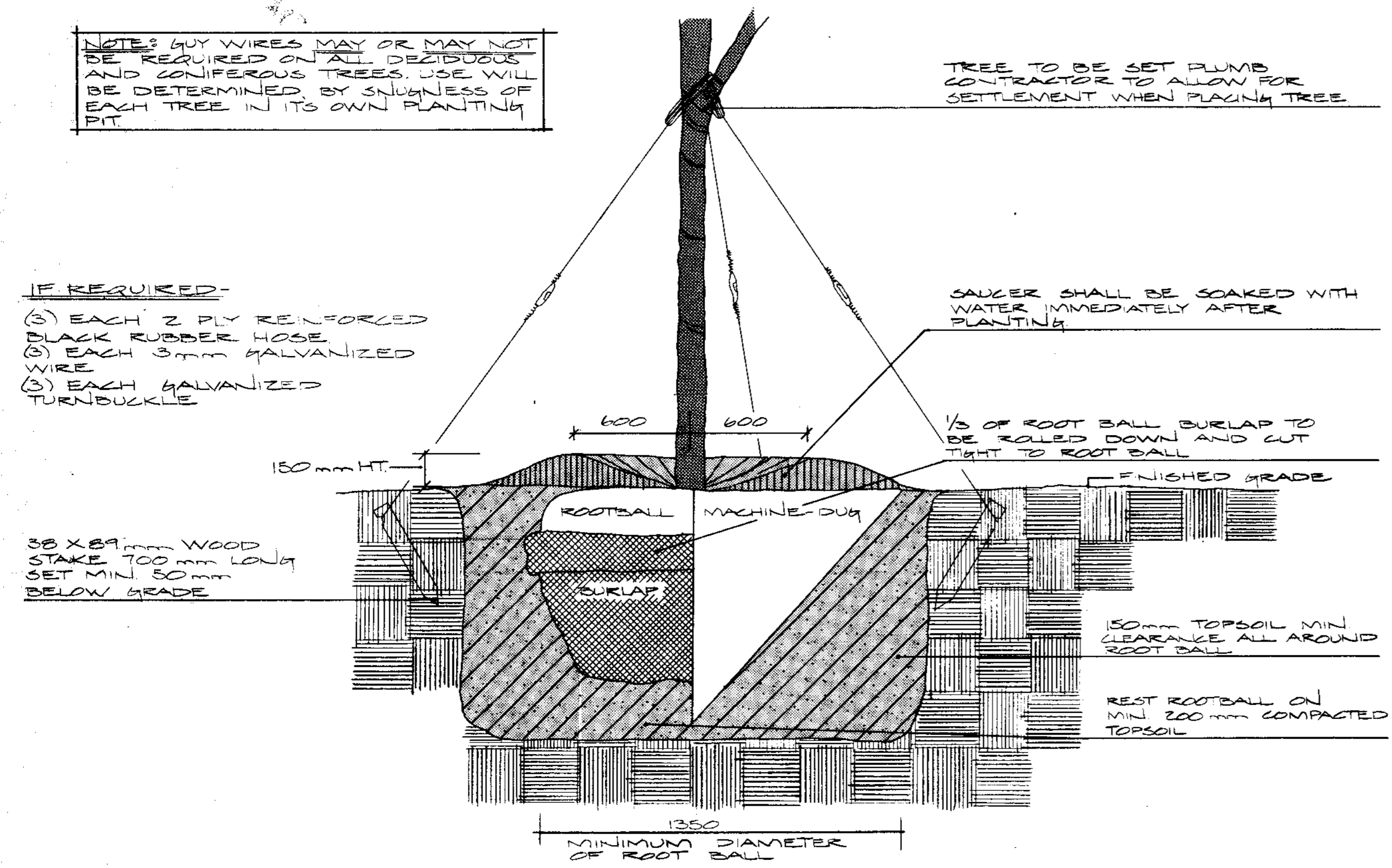
DRAWING TITLE
DETAILS

PROJECT TITLE
WINDOW ON AIR CANADA

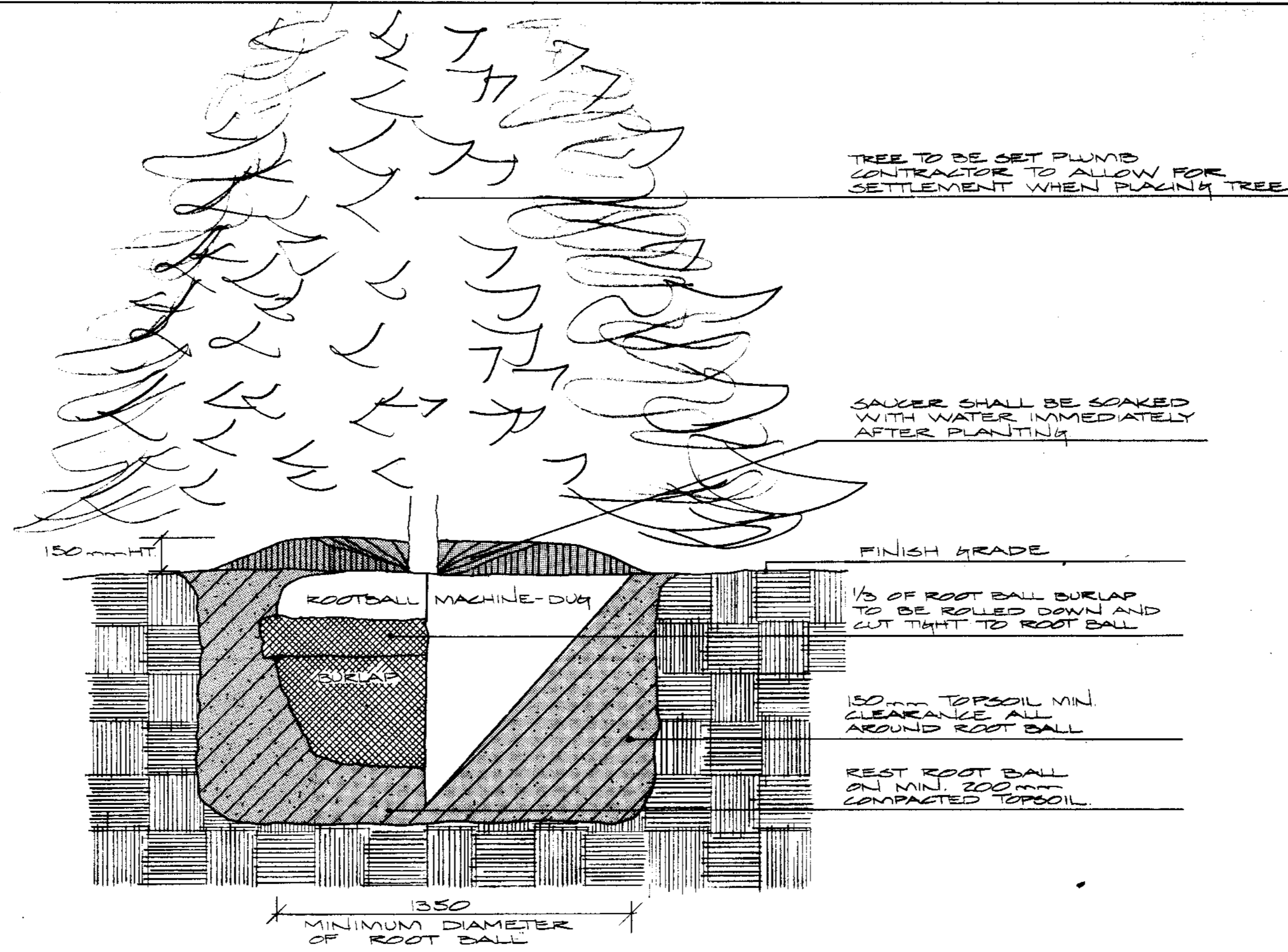


DATE June 29, 1984	DRAWN BG
SCALE 1:100	FILE 8412
DRAWING PD 84-144	REVISIONS 17

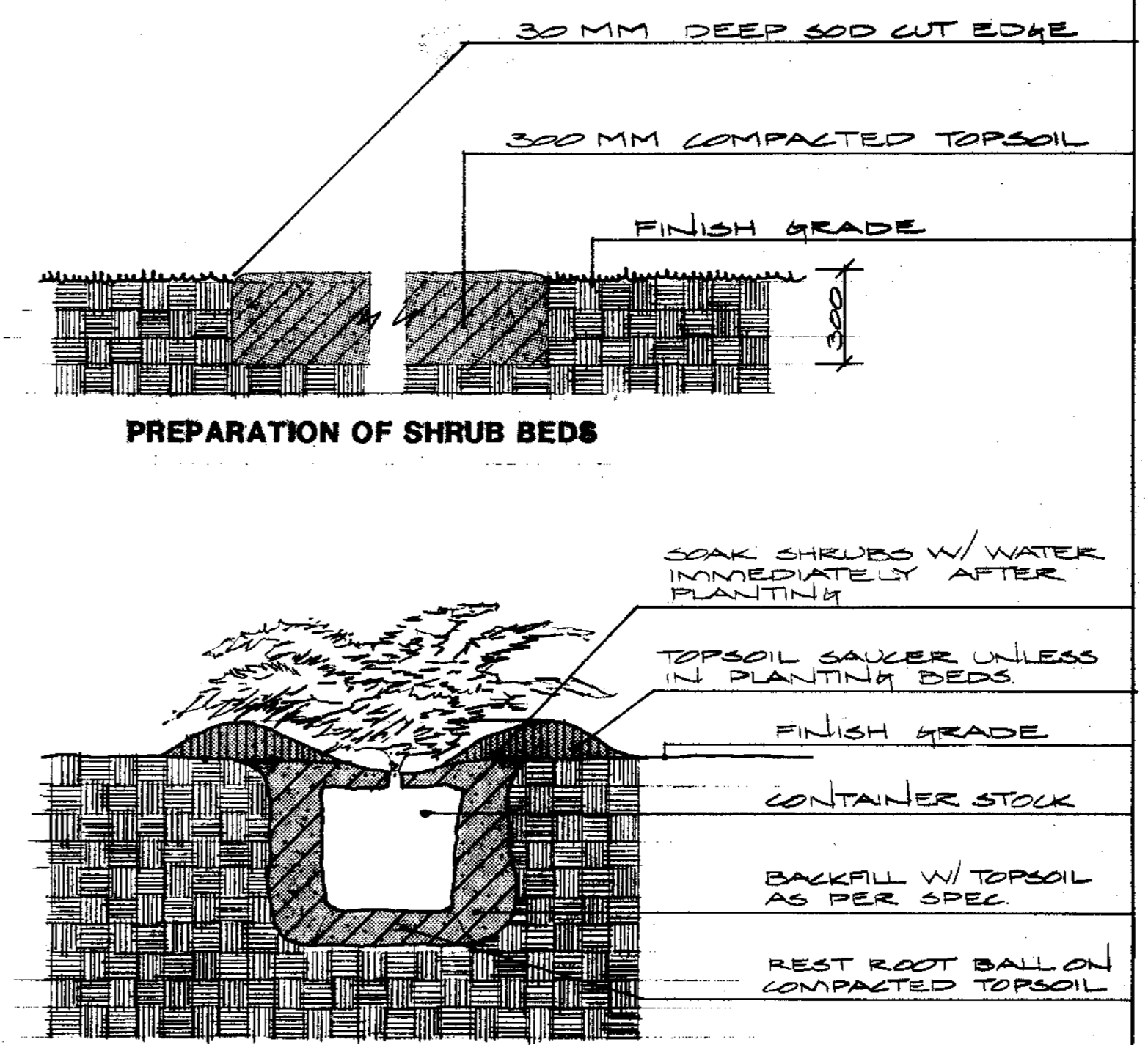
NOTES: GUY WIRES MAY OR MAY NOT BE REQUIRED ON ALL DECIDUOUS AND CONIFEROUS TREES. USE WILL BE DETERMINED BY SKEWNESS OF EACH TREE IN ITS OWN PLANTING PIT.



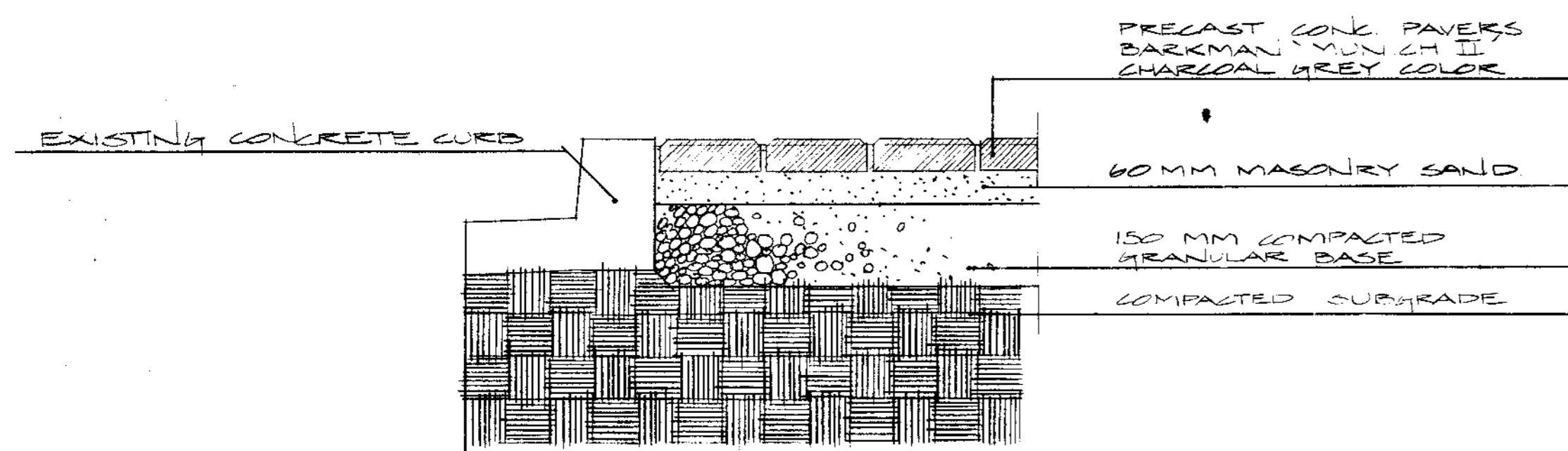
1/8 DECIDUOUS TREE PLANTING Typical N.T.S.



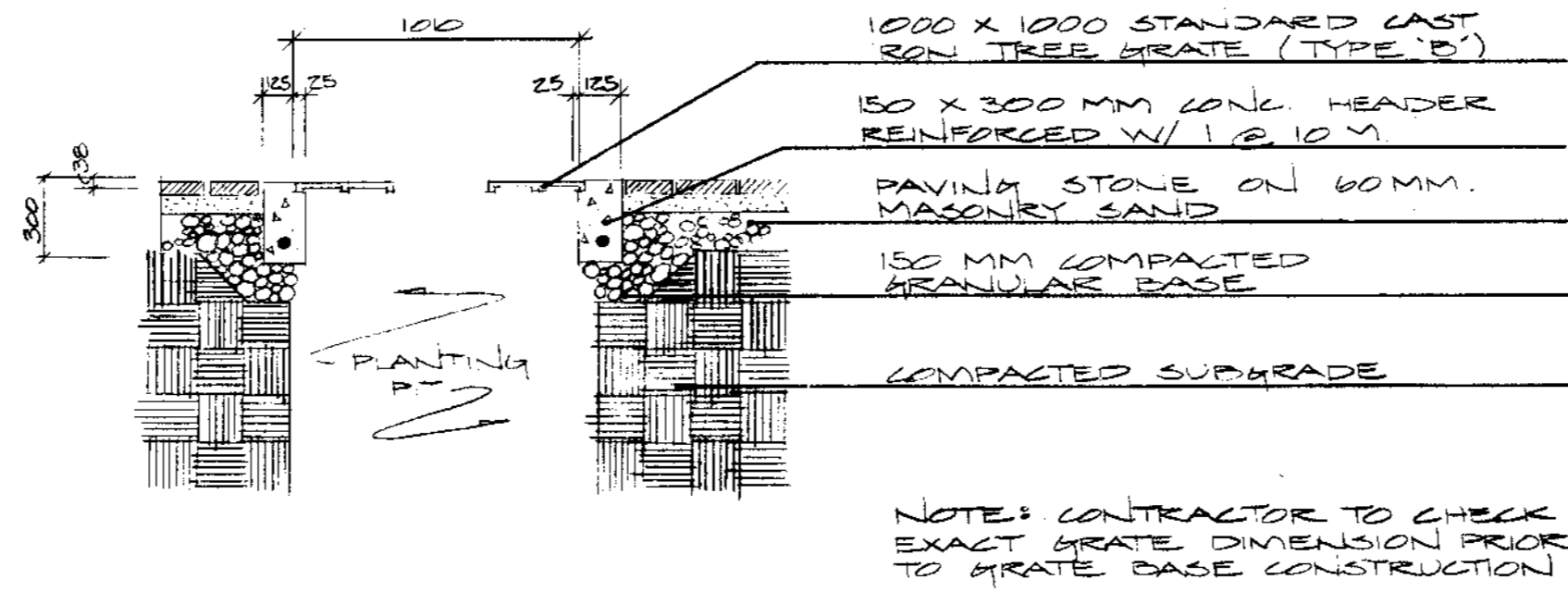
2/8 CONIFEROUS TREE PLANTING Typical N.T.S.



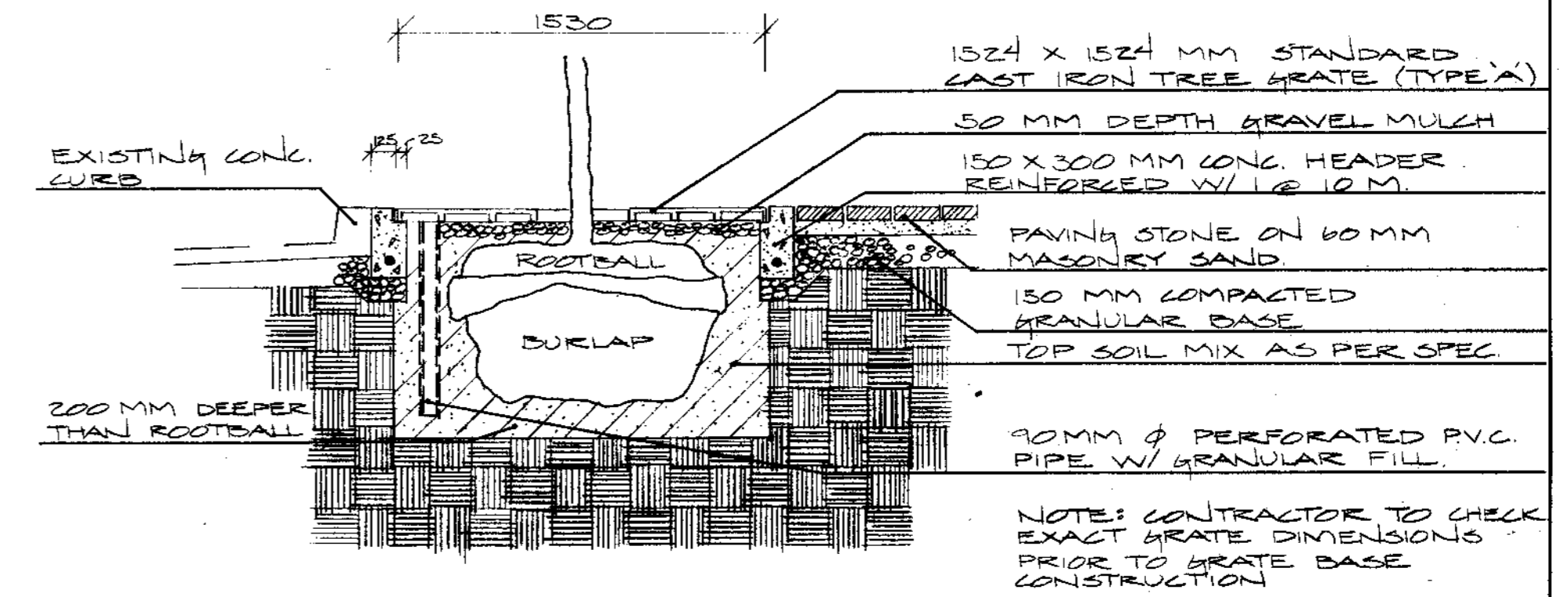
3/8 SHRUB PLANTING Typical N.T.S.



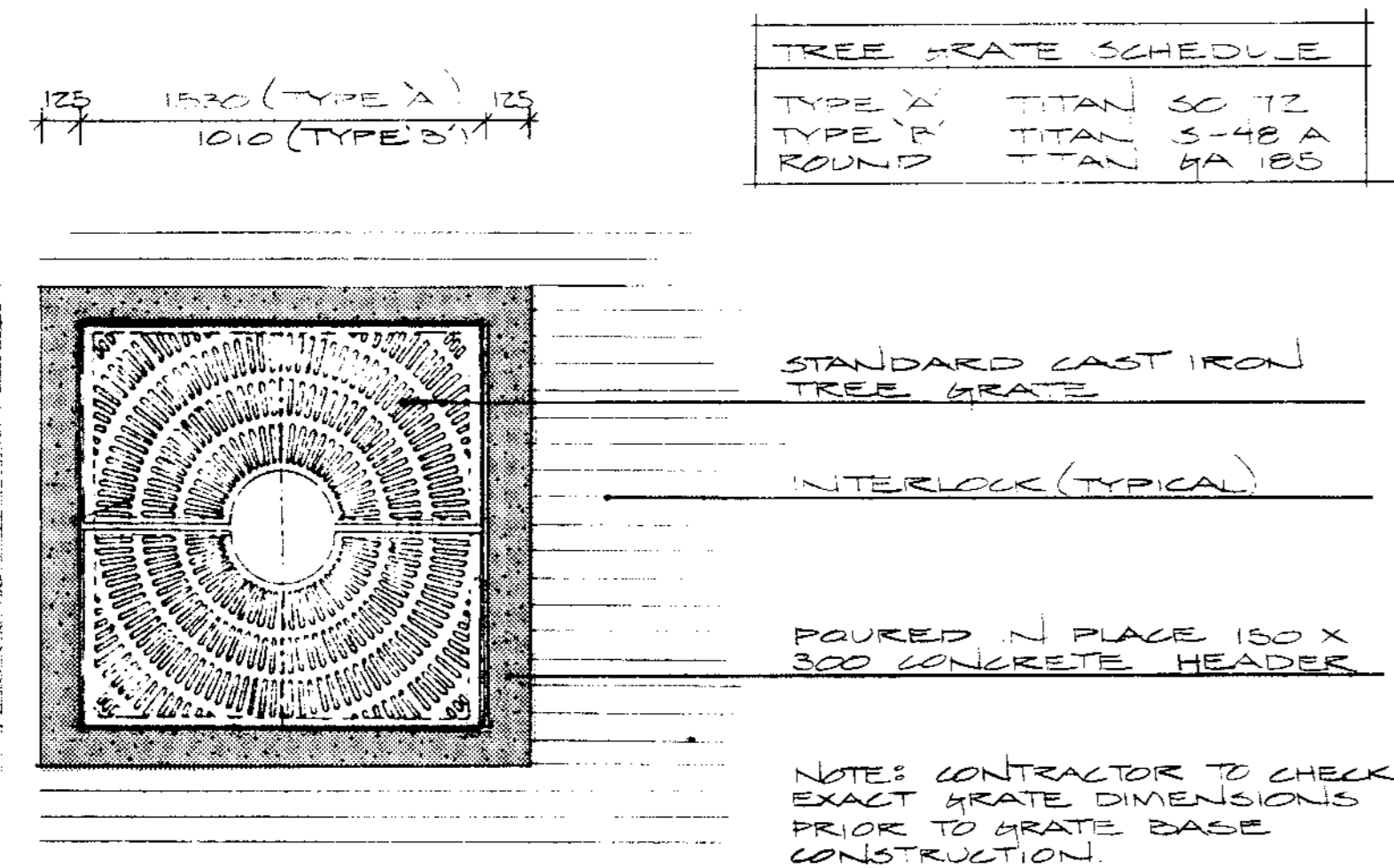
4/8 PAVING DETAIL (City Sidewalk) 1:10



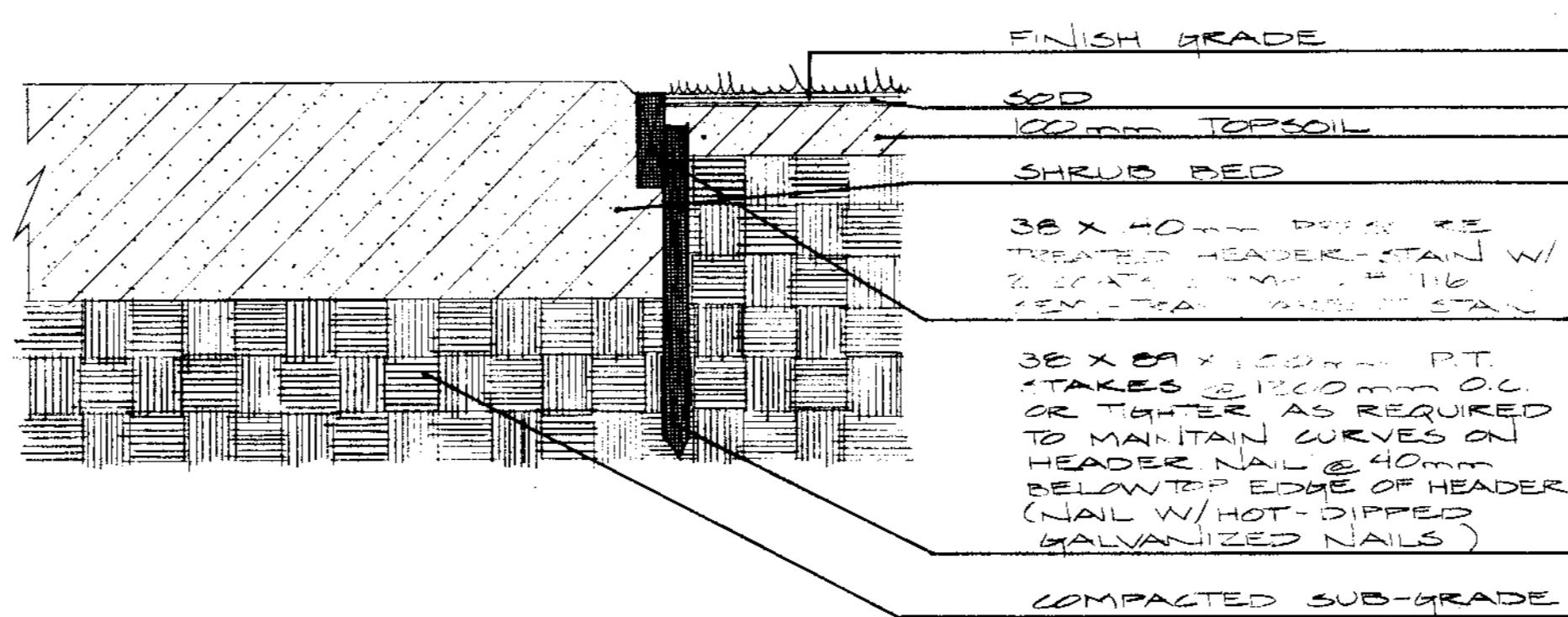
5/8 TREE GRATE - TYPE 'B' 1:40



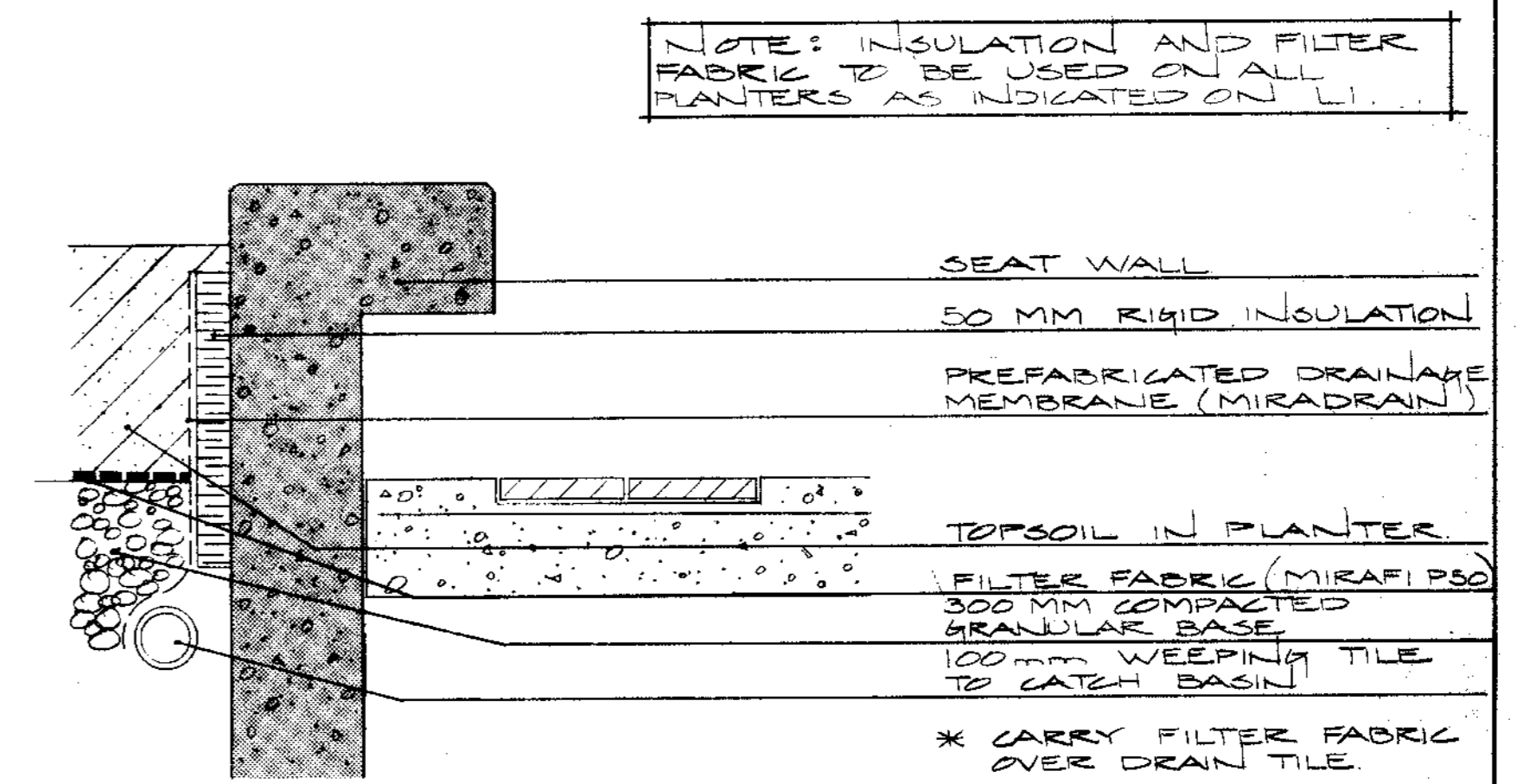
6/8 TREE GRATE TYPE 'A' PLANTING 1:40



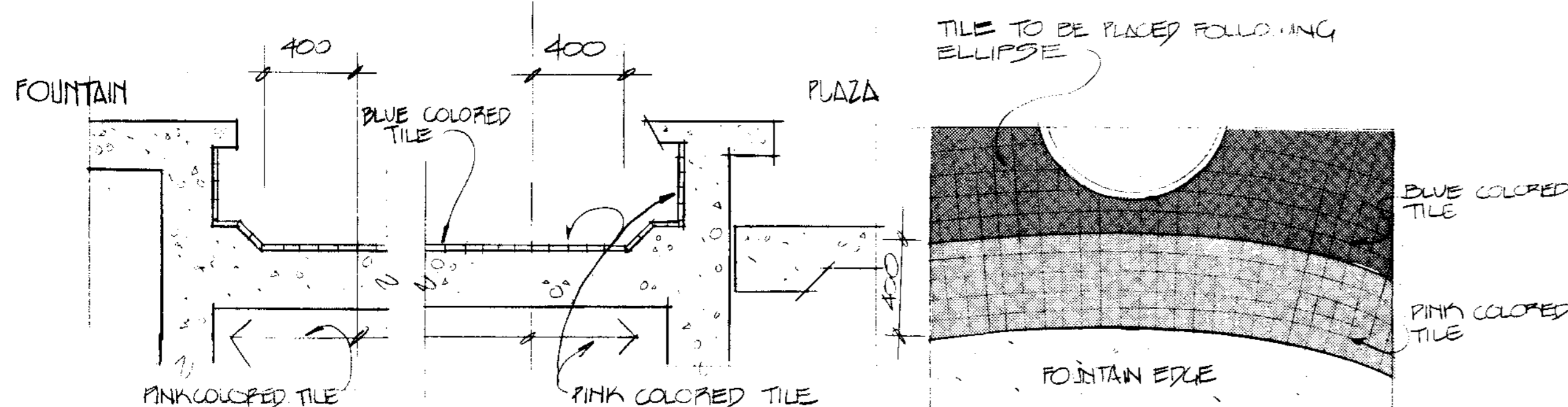
7/8 TREE GRATE PLAN 1:25



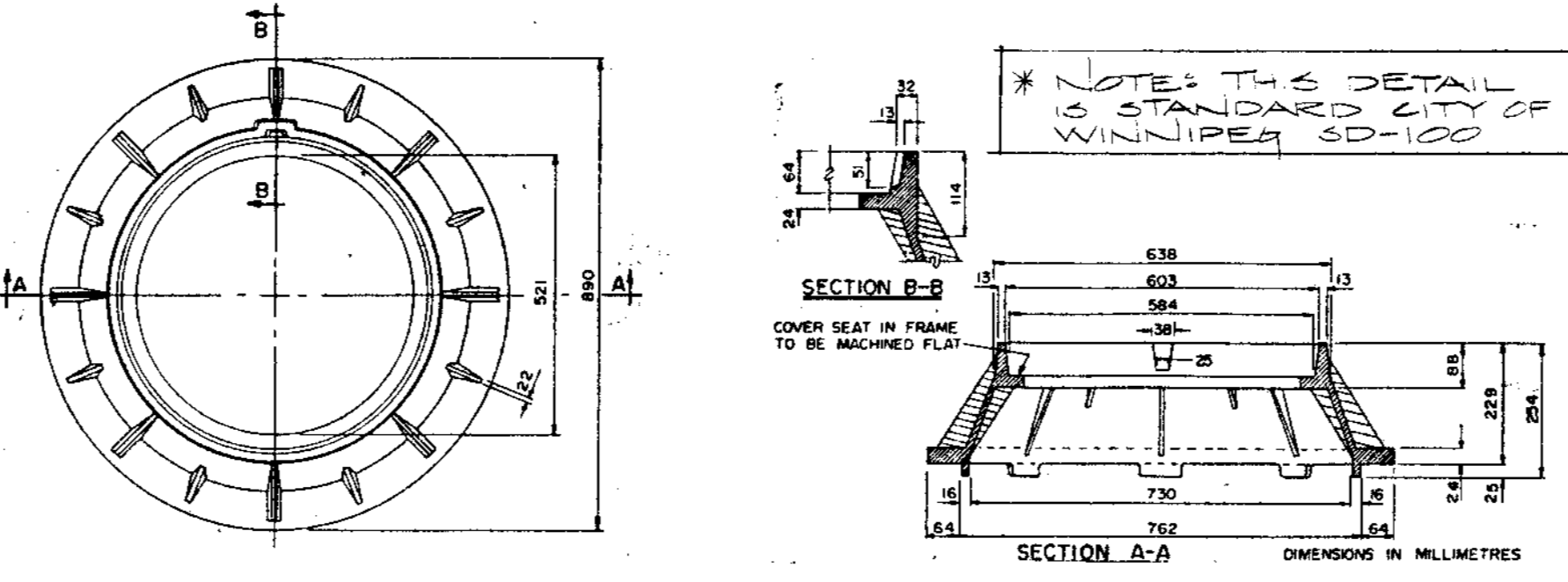
8/8 CEDAR HEADER DETAIL N.T.S.



9/8 PLANTER INSULATION Typical 1:10



10/8 POOL TILE LAYOUT 1:20



11/8 MANHOLE COVER AND FRAME N.T.S.

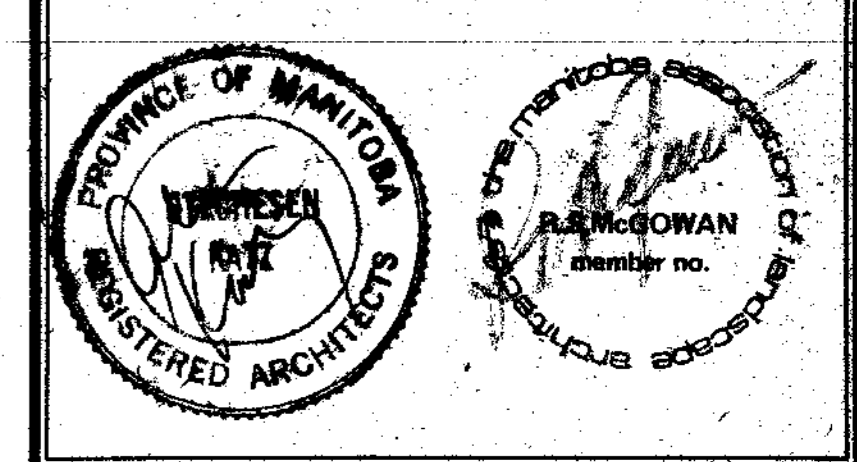


A. Detail Number
B. Page Where Detail is Drawn

REVISION	DATE	BY

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DRAWING TITLE
DETAILS
PROJECT TITLE
WINDOW ON AIR CANADA



DATE June 29, 1984	DRAWN J.P.
SCALE As Noted	FILE 8412
DRAWING FD 84-144 L8	REVISIONS

CANADIAN IMPERIAL
BANK OF COMMERCE

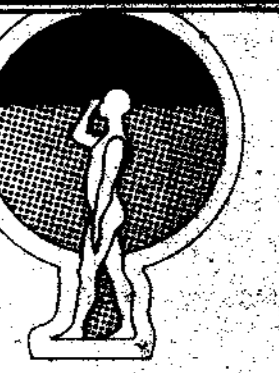
NORTHSIDE CENTRE

AIR CANADA

NOTE

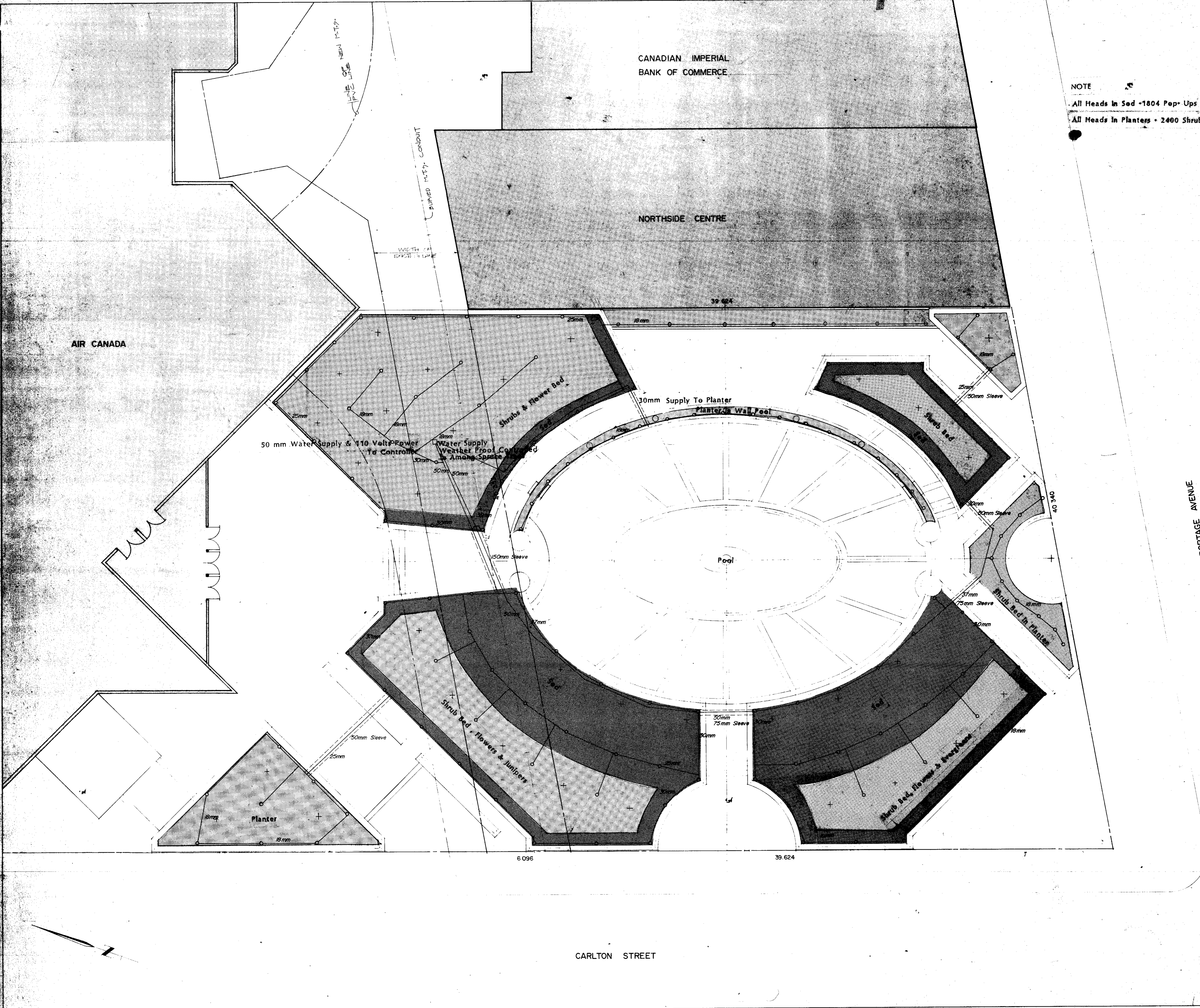
All Heads in Sed - 1804 Pop Ups
All Heads in Planters - 2400 Shrub

ARCHITECTS, PLANNERS
and INTERIOR DESIGNERS
**STECHESEN
KATZ**



**Lombard
North
Group**

A
B
A. Detail Number
B. Page Where
Detail is Drawn



PORTAGE AVENUE

CARLTON STREET

REVISION	DATE	BY

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DRAWING TITLE
IRRIGATION
PROJECT TITLE
**WINDOW ON
AIR CANADA**



DATE June 29, 1984	DRAWN N.J.
SCALE 1:100	FILE 8412
DRAWING PD 84-144	REVISIONS L9

0-71' 40" 20"

GENERAL NOTES

1. Do not scale drawings.
2. All dimensions are to be verified with architectural drawings prior to construction.
3. Granular fill below concrete slabs on grade or precast pavers shall consist of 150mm of H&S1 compacted to 95% Standard Proctor over H&S3 as required compacted to 95% Standard Proctor. Contractor shall note which slabs are having special surface treatments as outlined in specifications. Any slabs not so noted shall have sealer applied. Sealer should be compatible with future paver adhesives etc.

CAST IN PLACE CONCRETE

(1) CONCRETE

1. All concrete is to be manufactured and installed in accordance with the latest edition of CSA R23.1 and CSA R23.2.
2. Concrete strength at 28 days shall be as follows unless noted otherwise on drawings:
 - (a). Piles and pile caps: type 50 cements; water/cement ratio to 0.45; slump min. 125mm; aggregate max. 40mm; entrained air 4-7%.
 - (b). Walls, grade beams, columns: 25MPa; slump max. 120mm; aggregate max. 20mm; entrained air 3-6%.
 - (c). Structural slabs: 25MPa; slump max. 90mm; aggregate max. 20mm; entrained air 3%.
 - (d). Masonry fill: 20MPa; slump max. 200mm; aggregate max. 20mm; entrained air 3%.
3. Air entraining admixtures shall conform to the requirements of ASTM Specification C269.

(2) REINFORCING STEEL

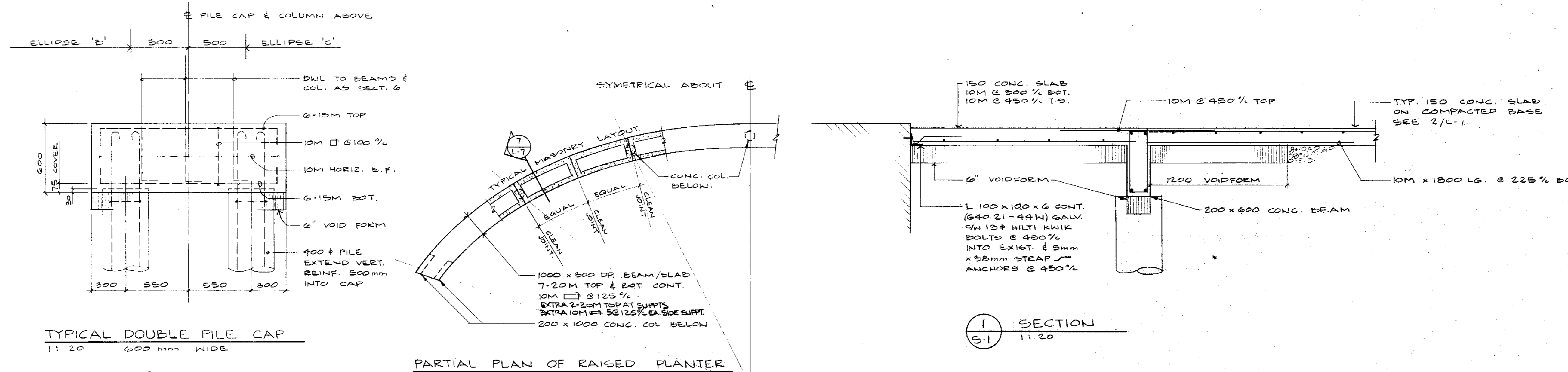
1. All reinforcing steel to be CSA G30.12M (400 MPa) deformed bars except slabs, which may be 300 MPa. All reinforcing to be detailed in accordance with the latest ACI detailing manual, except as otherwise noted.
2. Reinforcing steel cover is to conform to the latest edition of CSA R23.2.
3. Top steel in beams to be lapped at centre span, bottom steel to be lapped at support.
4. All reinforcing to be held in place, and tied by the use of proper accessories, such as hi-chairs, spacers, etc. to be supplied by the reinforcing steel fabricator. Hi-chairs to have 4 legs to be stapled or nailed to formwork.
5. All miscellaneous concrete pads and curbs are to be reinforced with a minimum of 10M @ 450 mm o/c each way, unless noted.

(3) FORMWORK

1. 150mm shearsmat shall be used as the bottom form for structural slabs at grade. Accessories such as hi-chairs, spacers etc. shall be supported by pads of plywood or tempered hardboard to prevent puncturing the shearsmat. 150mm shearsmat under all grade beams in contact with soil.
2. Slip joint all paving on concrete slabs on grade against structural members with 12mm asphalt impregnated fibreboard.
3. All construction joint keys are to be a minimum of 30mm deep.
4. All structural slabs framing into basement walls are to have a minimum key of 50mm.
5. Place 3 mil polyethylene under all slabs on fill.
6. See architectural, mechanical, and electrical drawings for openings and trenches etc. not shown on the structural drawings. Refer to above drawings for recesses, tees, sleeves etc. which must be cast or formed in cast-in-place concrete.
7. Saw cut slabs as specified within 24 hours after pouring.

NOTE:

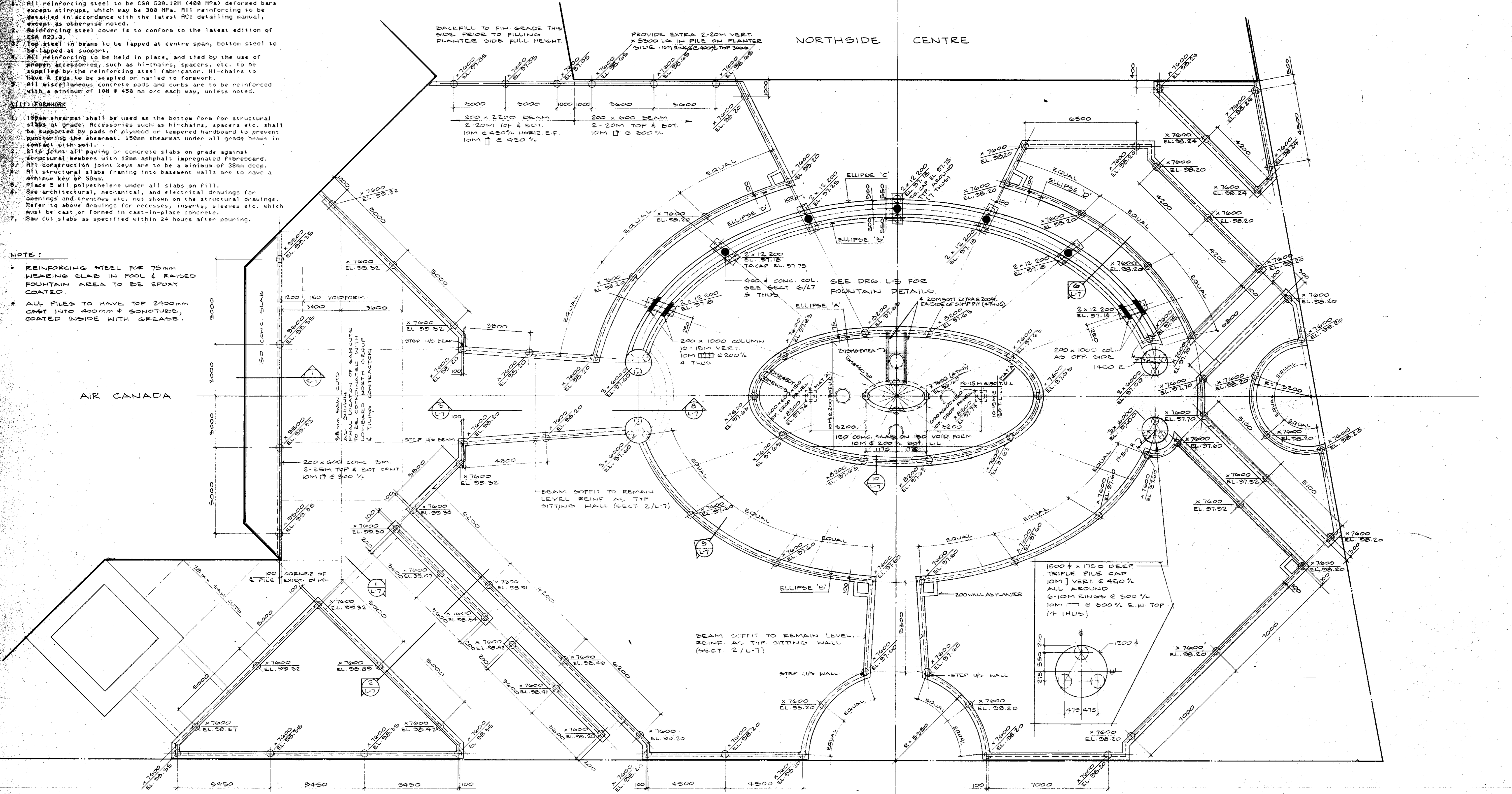
- REINFORCING STEEL FOR 75mm WEARING SLAB IN POOL & RAISED FOUNTAIN AREA TO BE EPDM COATED.
- ALL PILES TO HAVE TOP 2400mm CAST INTO 400mm Ø SONDUTUBE, COATED INSIDE WITH GREASE.



TYPICAL DOUBLE PILE CAP
1:20
600mm WIDE

PARTIAL PLAN OF RAISED PLANTER

SECTION
G-1
1:20



AIR CANADA

ARCHITECTS, PLANNERS
and INTERIOR-DESIGNERS

**STECHESEN
KATZ**

**Lambton
North
Group**

CROGER, KILGOUR & PARTNERS LTD.
Consulting Structural Engineers
Professional Corporation
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DRAWING TITLE **PILING AND
PLANTER LAYOUT**

PROJECT TITLE **WINDOW ON
AIR CANADA**

PROJECT OF RECORD
**D. M.
KILGOUR
P. M. K.**

DATE July 10, 1984	DRAWN
SCALE 1:100	FILE 8412
DRAWING PD 84-144 S1	REVISIONS



LEGEND

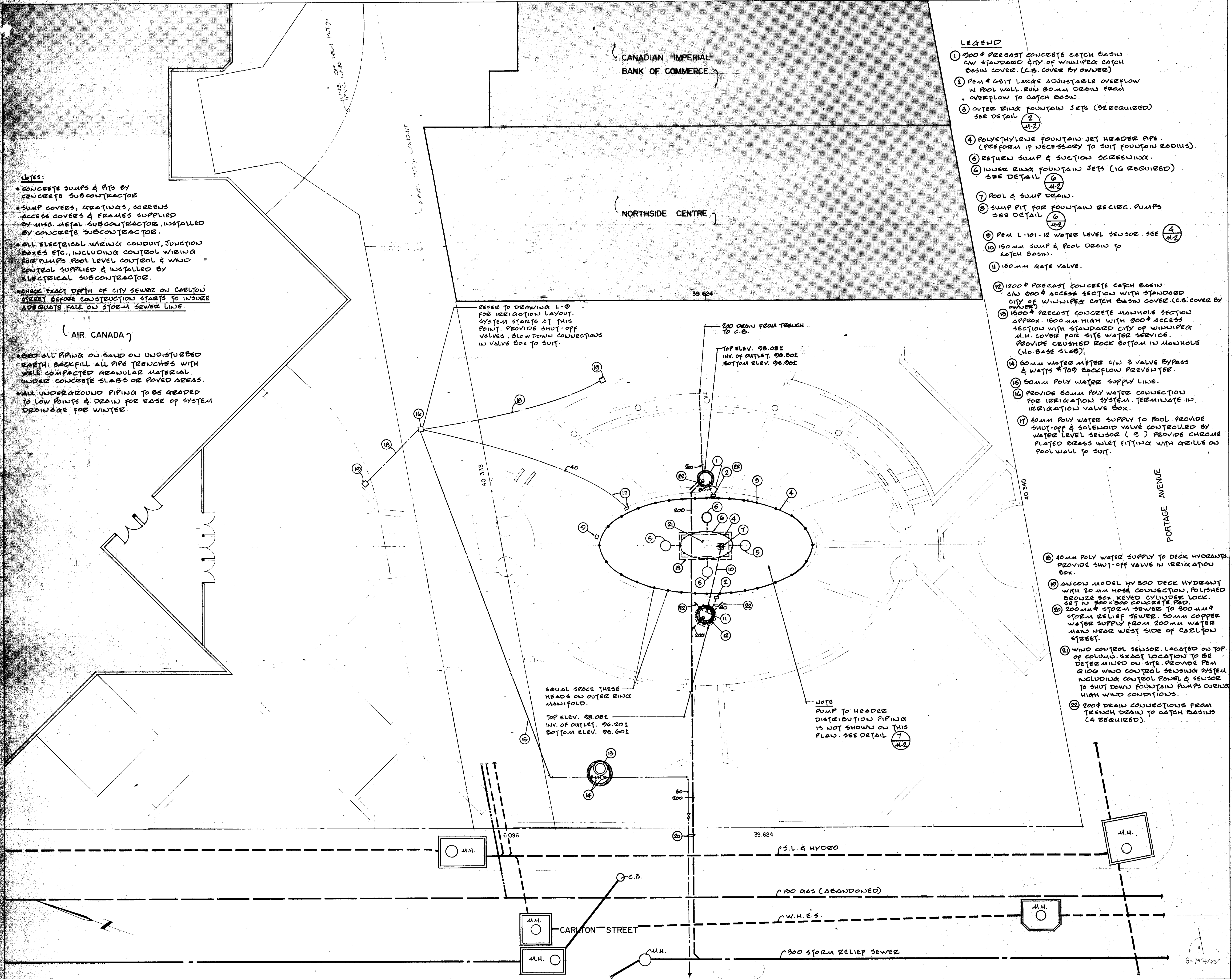
- ① 200# PRECAST CONCRETE CATCH BASIN C/W STANDARD CITY OF WINNIPEG CATCH BASIN COVER. (C.B. COVER BY OWNER)
- ② PEM # 6317 LARGE ADJUSTABLE OVERFLOW IN POOL WALL. RUN 80MM DRAIN FROM OVERFLOW TO CATCH BASIN.
- ③ OUTER RING FOUNTAIN JETS (32 REQUIRED) SEE DETAIL ②
②
④-2
- ④ POLYETHYLENE FOUNTAIN JET HEADER PIPE. (PERFORM IF NECESSARY TO SUIT FOUNTAIN RADIUS).
- ⑤ RETURN SUMP & SUCTION SCREENING.
- ⑥ INNER RING FOUNTAIN JETS (16 REQUIRED) SEE DETAIL ⑥
⑥
④-2
- ⑦ POOL & SUMP DRAIN.
- ⑧ SUMP PIT FOR FOUNTAIN RECIRC. PUMPS SEE DETAIL ⑧
⑧
④-2
- ⑨ PEM L-101-12 WATER LEVEL SENSOR. SEE ④
④
④-2
- ⑩ 150MM SUMP & POOL DRAIN TO CATCH BASIN.
- ⑪ 150MM GATE VALVE.
- ⑫ 1200# PRECAST CONCRETE CATCH BASIN C/W 200# ACCESS SECTION WITH STANDARD CITY OF WINNIPEG CATCH BASIN COVER. (C.B. COVER BY OWNER)
- ⑬ 1500# PRECAST CONCRETE MANHOLE SECTION APPROX. 1500MM HIGH WITH 200# ACCESS SECTION WITH STANDARD CITY OF WINNIPEG M.H. COVER FOR SITE WATER SERVICE. PROVIDE CRUSHED ROCK BOTTOM IN MANHOLE (NO BASE SLAB)
- ⑭ 50MM WATER METER C/W 3 VALVE BYPASS & WATTS #700 BACKFLOW PREVENTER.
- ⑮ 50MM POLY WATER SUPPLY LINE.
- ⑯ PROVIDE 50MM POLY WATER CONNECTION FOR IRRIGATION SYSTEM. TERMINATE IN IRRIGATION VALVE BOX.
- ⑰ 40MM POLY WATER SUPPLY TO POOL. PROVIDE SHUT-OFF & SOLENOID VALVE CONTROLLED BY WATER LEVEL SENSOR (9) PROVIDE CHROME PLATED BRASS INLET FITTING WITH GRILLE ON POOL WALL TO SUIT.
- ⑱ 40MM POLY WATER SUPPLY TO DECK HYDRANTS. PROVIDE SHUT-OFF VALVE IN IRRIGATION BOX.
- ⑲ ANCON MODEL HY 500 DECK HYDRANT WITH 20MM HOSE CONNECTION, POLISHED BRONZE BOX KEVED CHLORIDE LOCK. SET IN 300x300 CONCRETE PAD.
- ⑳ 200MM# STORM SEWER TO 800MM# STORM RELIEF SEWER. 50MM COPPER WATER SUPPLY FROM 200MM WATER MAIN NEAR WEST SIDE OF CARLTON STREET.
- ㉑ WIND CONTROL SENSOR. LOCATED ON TOP OF COLUMN. EXACT LOCATION TO BE DETERMINED ON SITE. PROVIDE PEM Q100 WIND CONTROL SENSING SYSTEM INCLUDING CONTROL PANEL & SENSOR TO SHUT DOWN FOUNTAIN PUMPS DURING HIGH WIND CONDITIONS.
- ㉒ 200# DRAIN COLLECTIONS FROM TRENCH DRAIN TO CATCH BASINS (4 REQUIRED)

NOTES:

- CONCRETE SUMPS & PITS BY CONCRETE SUBCONTRACTOR
- SUMP COVERS, GRATINGS, SCREENS ACCESS COVERS & FRAMES SUPPLIED BY MISC. METAL SUBCONTRACTOR, INSTALLED BY CONCRETE SUBCONTRACTOR.
- ALL ELECTRICAL WIRING CONDUIT, JUNCTION BOXES ETC., INCLUDING CONTROL WIRING FOR PUMPS POOL LEVEL CONTROL & WIND CONTROL SUPPLIED & INSTALLED BY ELECTRICAL SUBCONTRACTOR.
- CHECK EXACT DEPTH OF CITY SEWER ON CARLTON STREET BEFORE CONSTRUCTION STARTS TO INSURE ADEQUATE FALL ON STORM SEWER LINE.

(AIR CANADA)

- BED ALL PIPING ON SAND ON UNDISTURBED EARTH. BACKFILL ALL PIPE TRENCHES WITH WELL COMPACTED GRANULAR MATERIAL UNDER CONCRETE SLABS OR PAVED AREAS.
- ALL UNDERGROUND PIPING TO BE GRADED TO LOW POINTS & DRAIN FOR EASE OF SYSTEM DRAINAGE FOR WINTER.

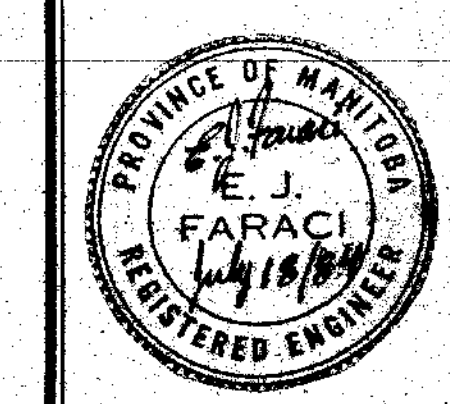


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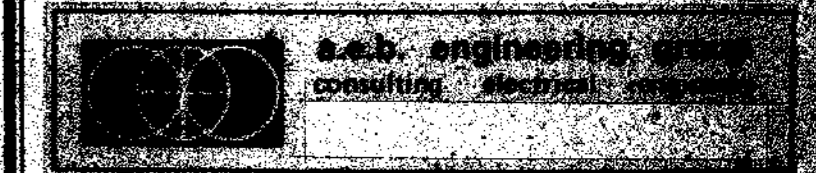
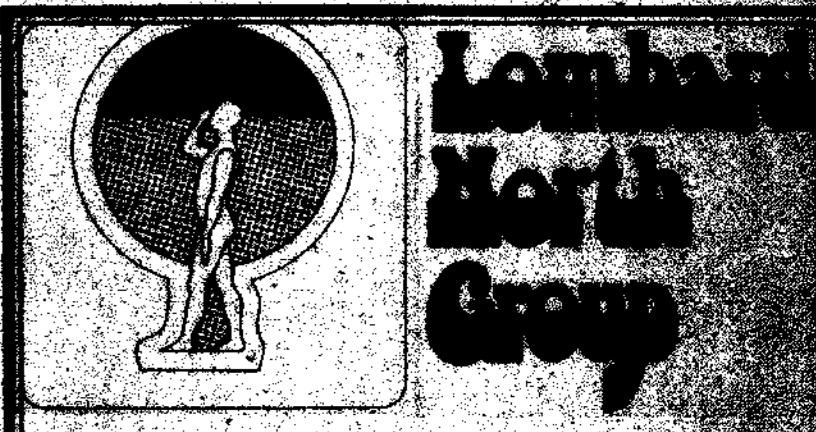
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DRAWING TITLE
MECHANICAL LAYOUT

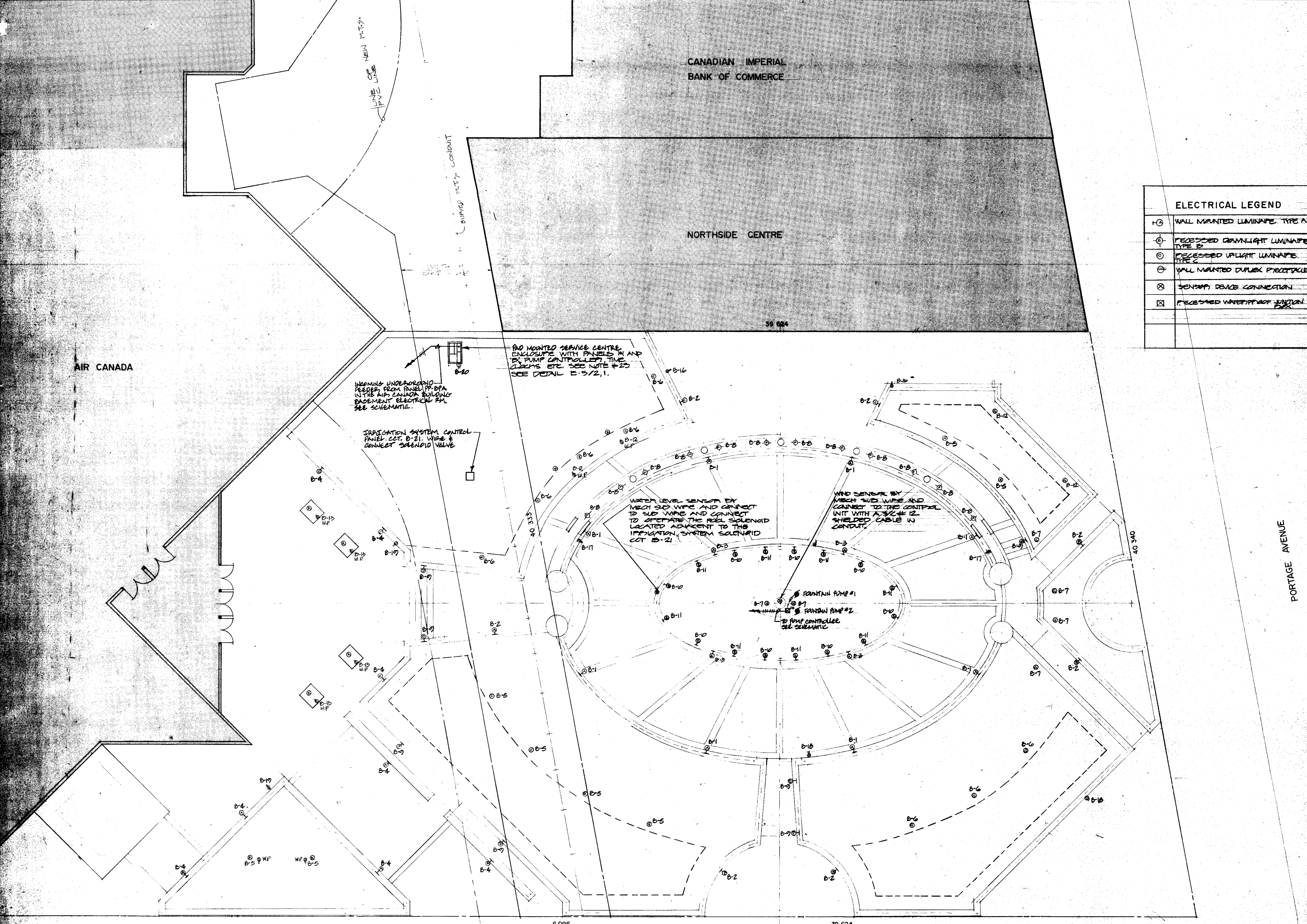
PROJECT TITLE
WINDOW ON AIR CANADA



DATE JULY 10/84	DRAWN T.T.
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DRAWING PDB4-144 M1	REVISIONS



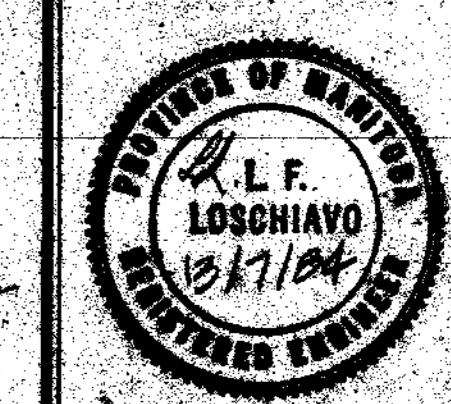
ELECTRICAL LEGEND	
⊕	WALL MOUNTED LUMINAIRE TYPE A
⊙	RECESSED DOWNLIGHT LUMINAIRE TYPE B
⊗	RECESSED UPLIGHT LUMINAIRE TYPE C
⊖	WALL MOUNTED DUPLEX RECEPTACLE
⊗	SENSOR DEVICE CONNECTION
⊠	RECESSED WATERPROOF LUMINAIRE



REVISION	DATE	BY
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DRAWING TITLE: **ELECTRICAL LAYOUT**
PROJECT TITLE: **WINDOW ON AIR CANADA**



DATE	July 10, 1984	DRAWN	J.B.T.
SCALE	1:100	FILE	8412
DRAWING	PD 84 - 144	REVISIONS	E1

