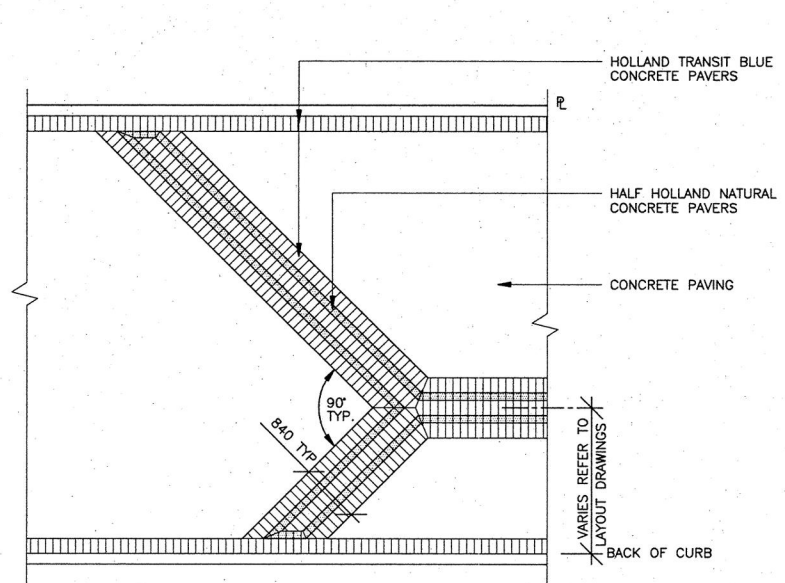
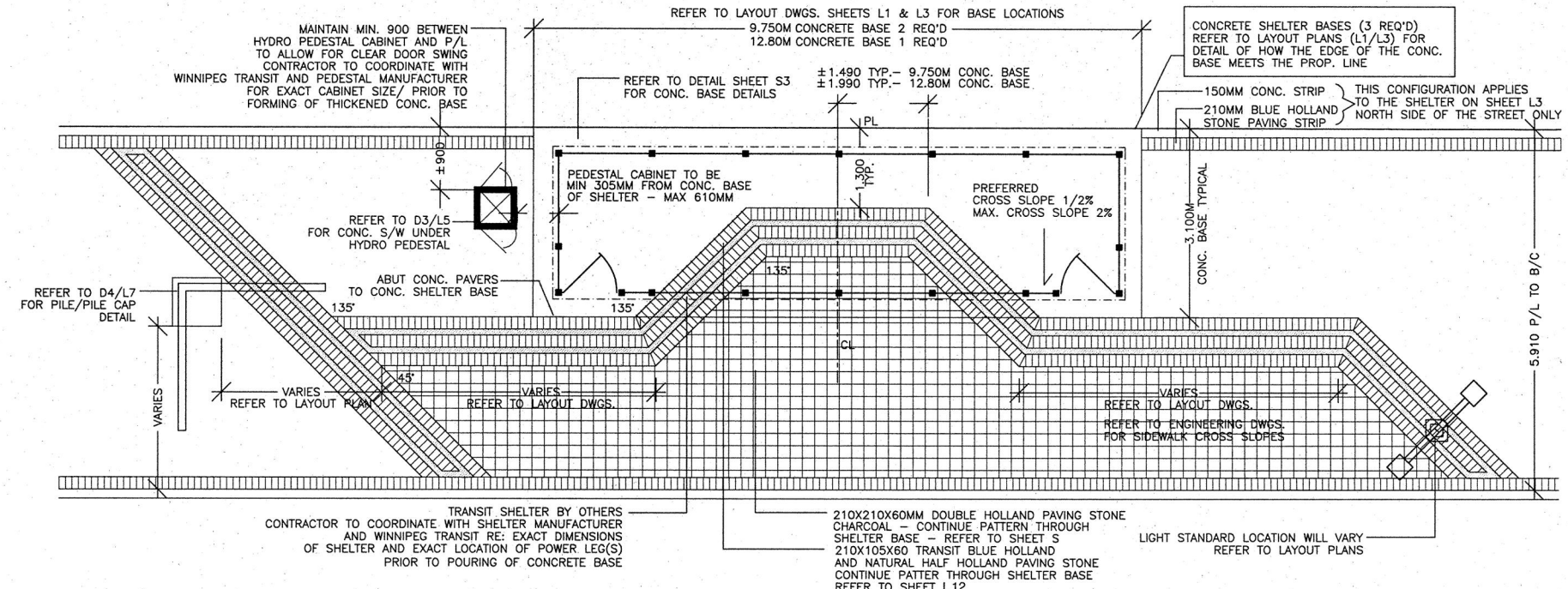


APPENDIX 'A'

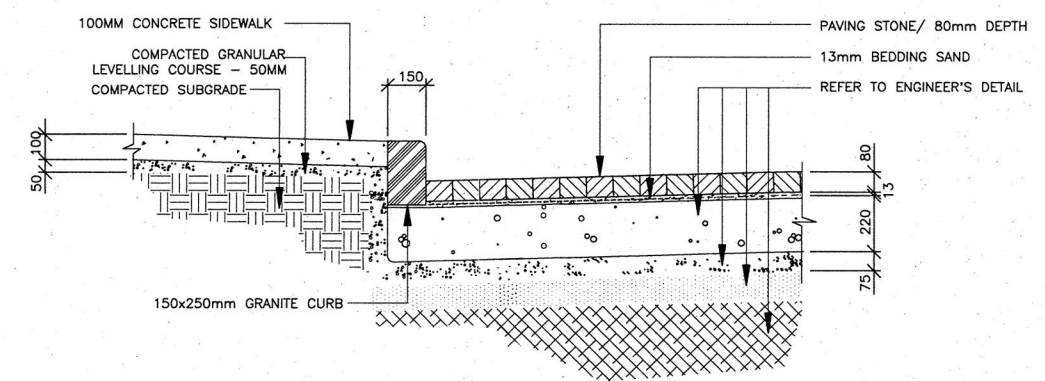
1994/95 Selected Original Construction Drawings



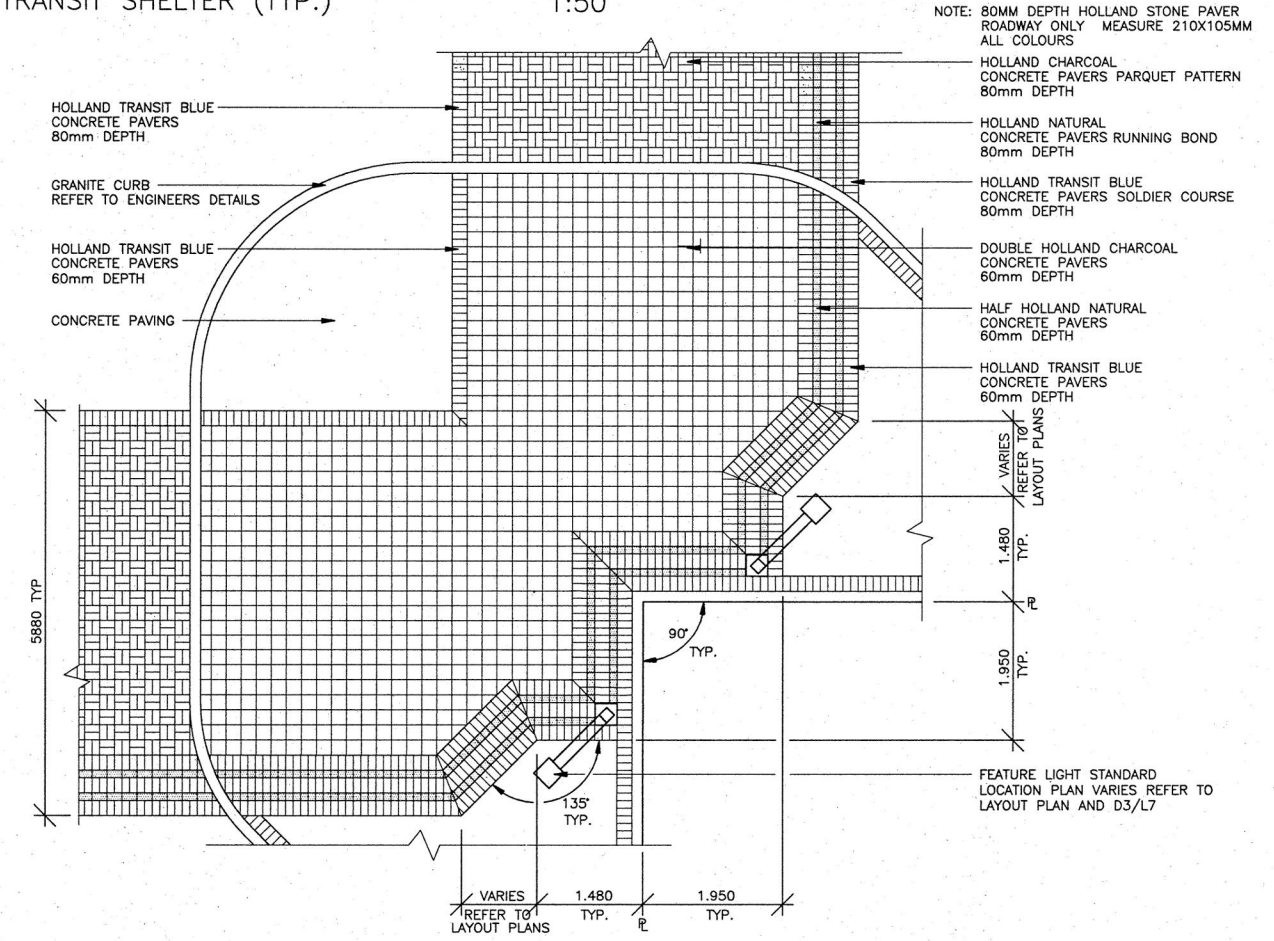
D1 TYPICAL 90° PAVING PATTERN NTS



D2 PAVING PATTERN AT TRANSIT SHELTER (TYP.) 1:50



D3 TYPICAL DECORATIVE CROSSWALK PAVING NTS



D6 TYPICAL INTERSECTION ENLARGEMENT 1:50

LOCATION APPROVED UNDERGROUND STRUCTURES	
SUPV. U/G STRUCTURES COMMITTEE	DATE
NOTE: LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.	
NO. REVISIONS	DATE BY

B.M. ELEV.	DATE	BY

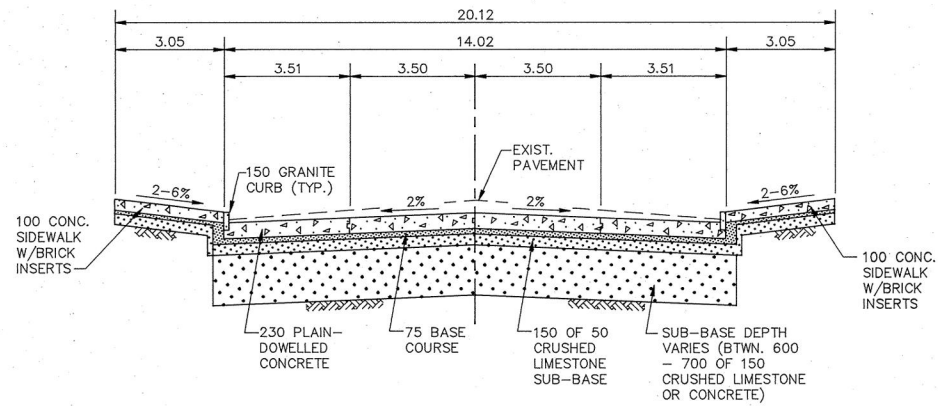
DESIGNED BY S.R.	CHECKED BY RR
DRAWN BY J.A.V.	APPROVED BY SR
SCALE: AS NOTED	RELEASED FOR CONSTRUCTION: DATE
DATE FEBRUARY 1995	DATE

ENGINEER'S SEAL

 CONSULTANT DRAWING NO.

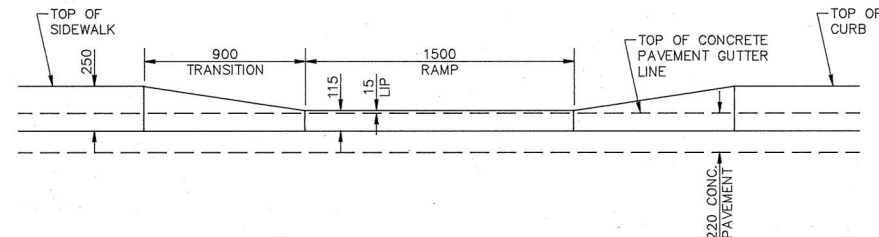
WINNIPEG TRANSIT SYSTEM
GRAHAM AVENUE
 STREETSCAPING - PHASE TWO
 DONALD STREET TO MAIN STREET
 PAVING PLAN ENLARGEMENTS

PD NO. 95-20
SHEET 16 OF 26
DWG. NO. L6



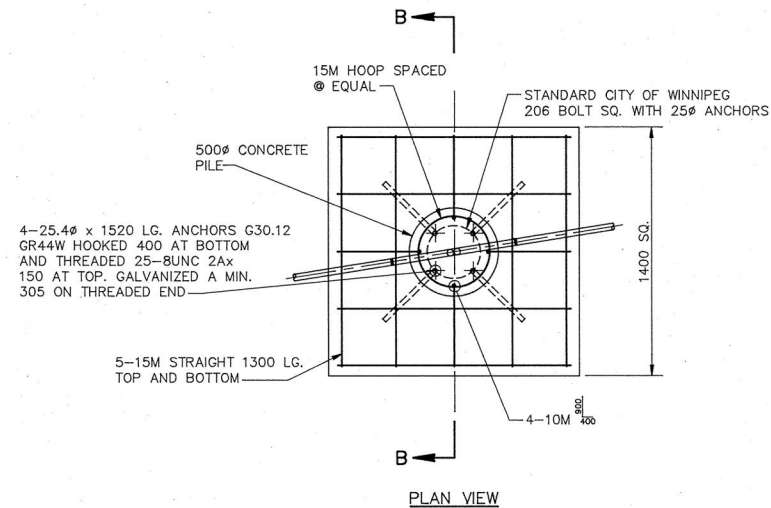
CROSS SECTION AT STA. 8+40.00

HORIZONTAL 1:100
VERTICAL 1:50

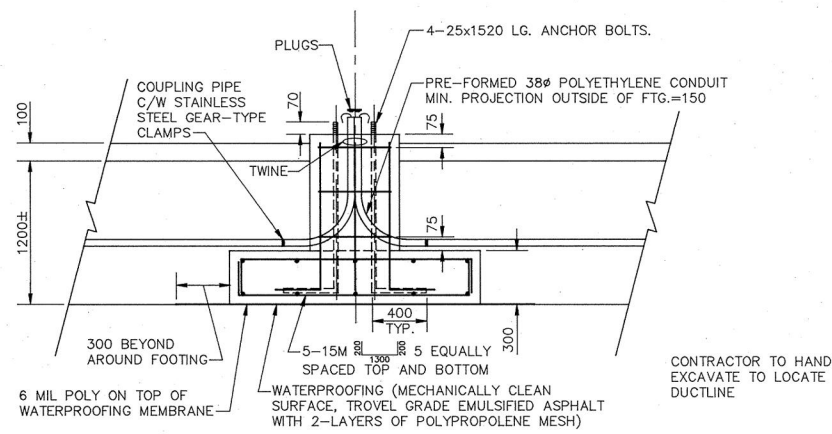


TYPICAL RAMP CURB USING GRANITE

SCALE 1:20



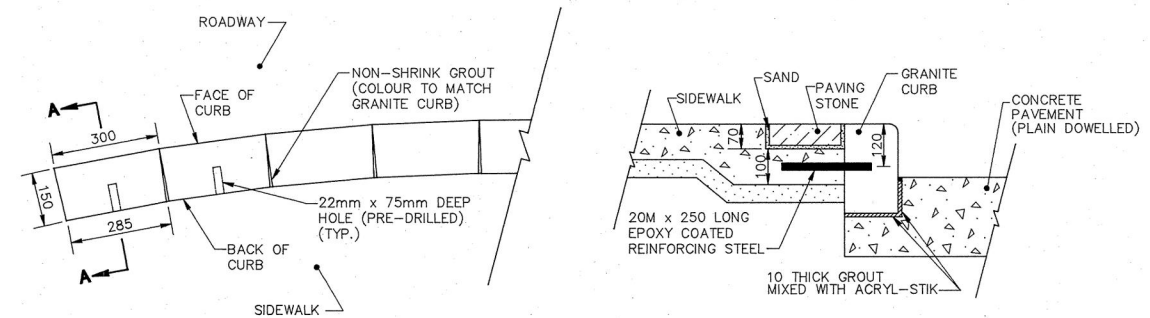
PLAN VIEW



SECTION B-B

SPECIAL FOOTING FOR LIGHT STANDARD/BANNER POLE OVER UTILITY DUCTLINE (FOOTING TYPE "C")

N.T.S.

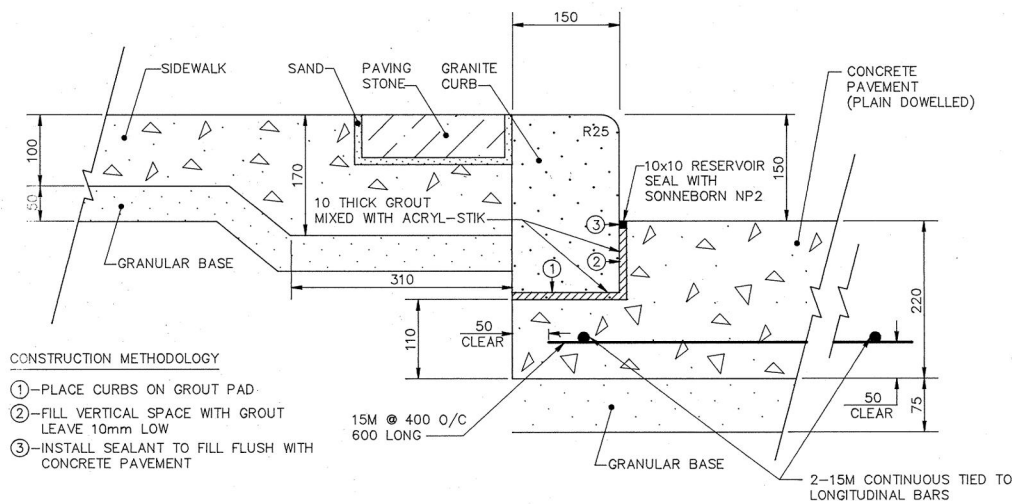


SECTION A-A

SCALE 1:10

TYPICAL INSTALLATION OF GRANITE CURB AROUND A RADIUS

SCALE 1:10



CONSTRUCTION METHODOLOGY

- ①-PLACE CURBS ON GROUT PAD
- ②-FILL VERTICAL SPACE WITH GROUT LEAVE 10mm LOW
- ③-INSTALL SEALANT TO FILL FLUSH WITH CONCRETE PAVEMENT

TYPICAL BARRIER CURB SECTION

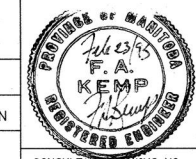
SCALE 1:5

GENERAL NOTES:

- 1-ALL SIGNAGE STRUCTURES DESIGNED IN ACCORDANCE WITH THE LATEST REVISIONS OF THE REQUIREMENTS OF THE AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS.
- 2-ALL DIMENSIONS ARE GIVEN IN MILLIMETRES.
- 3-STEEL SHALL BE IN ACCORDANCE WITH CSA STANDARD G40.21W CAN3-M87 GRADE 350W.
- 4-ALL STEEL SURFACES SHALL BE HOT DIP GALVANIZED TO A NET RETENTION OF 600g/m² IN ACCORDANCE WITH CSA STANDARD G164-M1981.
- 5-ALL AREAS OF DAMAGED GALVANIZING SHALL BE REPAIRED BY USING THE "GALVALOV" PROCEDURE AS SPECIFIED.
- 6-ALL WELDING SHALL BE IN ACCORDANCE WITH CSA STANDARD W59-M1984.
- 7-CONCRETE:
 - a) COMPRESSIVE STRENGTH AT 28 DAYS - 30 MPa
 - b) MAXIMUM SIZE OF AGGREGATE - 20mm
- 8-REINFORCING STEEL:
 - a) DEFORMED BARS CONFORMING TO CSA STANDARD G30.12-M77 GRADE 400.
 - b) MINIMUM CONCRETE COVERING FOR REINFORCING STEEL - 50mm.
- 9-LOCATION OF ALL SINGLE AND DOUBLE CONDUIT RUNS FOR SIGNAL AND OVERHEAD SIGN STRUCTURES ARE SHOWN ON TRAFFIC SIGNAL DRAWINGS ISSUED BY WORKS AND OPERATIONS DIVISION.
- 10-SEE DRAWING L-7 FOR LUMINATED TRANSIT SIGN PILE DETAIL.
- 11-ALL ANCHOR BOLTS FOR SIGNAL POLES/DAVIT SIGNAL ARMS AND 9.0m OVERHEAD SIGNAGE STRUCTURES TO BE SUPPLIED BY C.O.W. SIGNALS DEPT. CONTRACTOR TO COORDINATE AND SUPPLY ALL OTHER ANCHOR BOLTS. REFER TO C.O.W. SIGNALS DEPT. LAYOUT DRAWINGS FOR SIGNAL POLE CAISSON TYPE AND EXACT LOCATIONS.
- 12-FOR FOOTING "A" & "B" REFER TO C.O.W. DETAIL ST-124.

B.M. ELEV.						ENGINEER'S SEAL		PHASE - 2 1995 PAVEMENT RECONSTRUCTION GRAHAM AVENUE	P.D. NO. 96-20
DESIGNED BY	B.W. BIGLOW	CHECKED BY	F.A. KEMP	DRAWN BY	D.I. DOSZPOD	APPROVED BY			T.L. STRATTON
HOR. SCALE:	AS SHOWN	RELEASED FOR CONSTRUCTION:						DWG. NO. R-7	
NO. REVISIONS		DATE	BY	DATE	DEC, 1994	DATE		STANDARD DETAILS	

DELCAN WESTERN LTD.
ENGINEERS AND PLANNERS



CONSULTANT DRAWING NO. 12-1350A