

PROPOSED WORKS	REFERENCE DRAWING NUMBER
1 REMOVE EXISTING CONCRETE FROM MEDIAN SLAB, CULVERT WALLS, 25 - 50mm FROM CULVERT TOP SLAB. CONSTRUCT NEW APPROACH SLAB SEATS. PLACE ADDITIONAL REINFORCING STEEL, SAND BLAST EXISTING REINFORCING STEEL AND PLACE MIN. 100mm THICK HIGH DENSITY CONCRETE TOPPING	C315-85-04
2 REMOVE EXISTING APPROACH SLABS, CURBS, AND APPROACH SIDEWALK SLABS. CONSTRUCT NEW APPROACH SLABS	C315-85-04
3 CONSTRUCT NEW MONOLITHIC CONCRETE APPROACH MEDIAN SLAB	C315-85-04
4 CONSTRUCT CULVERT SIDEWALK MODIFICATIONS C/W MONOLITHIC PARAPET	C315-85-04
5 CONSTRUCTION OF NEW APPROACH STRUCTURAL SIDEWALK SLABS C/W MONOLITHIC PARAPET AND CAISSONS	C315-85-02,04
6 APPLY SURFACE MEMBRANE ON CULVERT SIDEWALKS	C315-85-04
7 REMOVE EXISTING FLEX-BEAM TRAFFIC/PEDESTRIAN BARRIER	C315-85-02
A - LENGTH = 54M B - LENGTH = 54M	
8 INSTALL NEW ALUMINUM PEDESTRIAN HANDRAIL	C315-05-06
A - LENGTH = 23.5M B - LENGTH = 23.5M	
9 INSTALL NEW BALANCED ALUMINUM SHOULDER BARRIER	C315-85-07,08,09
A - LENGTH = 37M B - LENGTH = 27M	
10 INSTALL NEW GALVANIZED CHAINLINK FENCING ON HEADWALLS	C315-85-07
11 ASPHALT OVERLAY AND RELATED WORK	C315-85-05
12 INSTALL GROUTED FIELDSTONE RIPRAP	C315-85-07

NOTE: THE EXECUTION OF PROPOSED WORKS ABOVE SHALL BE IN ACCORDANCE WITH THE TRAFFIC ROUTING AND CONSTRUCTION SEQUENCE SHOWN ON DRAWING C315-85-03.

GENERAL NOTES

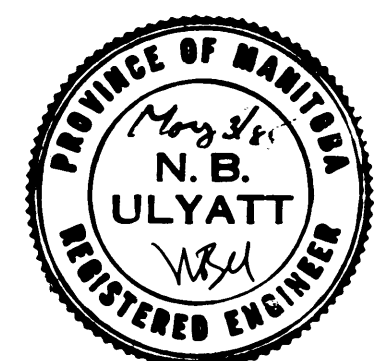
- STRUCTURAL CONCRETE:

	28-Day STRENGTH (MPa)	AGGR. (mm)	SLUMP (mm)	CEMENT TYPE	ENTRAINED AIR %
A) APPROACH SLABS	30	40	60	10	4 - 7
B) APPROACH SLAB SEATS AND ALL OTHER CONCRETE	30	20	80±25	50	5 - 8
C) SIDEWALKS	30	20	80±25	10	5 - 8
D) CAISSONS	30	40	100±25	50	3 - 6

REFER TO SPECS FOR ADDITIONAL PROPERTIES OF STRUCTURAL CONCRETE.
- REINFORCING STEEL SHALL BE NEW DEFORMED BILLET BARS TO CSA G30.12-M77 STIRRUPS AND TIES GRADE 300 ALL OTHER BARS GRADE 400
- ALL NEW TOP BARS AND ALL BARS MARKED THUS * SHALL BE FACTORY EPOXY COATED.
- ALL EXPOSED EXISTING REINFORCING STEEL SHALL BE SANDBLASTED UNLESS OTHERWISE SPECIFIED FOR REPLACEMENT WITH NEW EPOXY COATED BARS.
- MINIMUM LAP SPLICE LENGTHS SHALL BE 40 BAR DIAMETERS UNLESS OTHERWISE NOTED.
- CONCRETE CLEAR COVER TO REINFORCING STEEL SHALL BE 60mm UNLESS OTHERWISE NOTED.
- ALL EXPOSED CONCRETE EDGES SHALL BE CHAMFERED 13mm UNLESS OTHERWISE SHOWN.
- CONSTRUCTION JOINTS THAT ARE REQUIRED BUT NOT SHOWN ARE TO HAVE FORMED KEY AND MUST BE APPROVED BY THE ENGINEER.

ROUTE 90 (KING EDWARD ST.)

AS BUILT
File with



BENCH MARK

B.M. #23022 S.W. CORNER KING EDWARD STREET @ DUBLIN AVE. TBLT. IN EAST FOUNDATION OF PUMPING STATION 4 m. NORTH EAST. 1 m. BELOW TOP OF PLATFORM ELEVATION 234.879

B-5530-2
METRIC

WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

PLAN

ITEM	EXISTING	PROPOSED
POLES - HYDRO(H) MTS.(T)	—	—
SIGNAL POLE	—	—
LIGHT STANDARD	—	—
SURVEY BAR	—	—
FIRE HYDRANT	—	—
WATER VALVE	—	—
EDGE OF PAV'T NO CURB	—	—
EDGE OF PAV'T CURBED	—	—
EDGE PAV'T CURB & GUTTER	—	—
PARAPLEGIC RAMP	—	—
ELEVATIONS	40265	(40265)
ASPHALT OVERLAY	—	—
PROPERTY LINE	—	—
MANHOLE	○	●
CATCH BASIN	□	■
CATCH BASIN INLET	▽	▼

WARNING

IF POWER EQUIPMENT OR EXPLOSIVES ARE TO BE USED FOR EXCAVATION ON THIS PROJECT THE CONTRACTOR MUST:

1. NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF EXCAVATION.
2. TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY INSTALLATIONS.

SEE PROVINCIAL REGULATION 270-72 FOR DETAILS

LOCATION APPROVED	DATE	SUPERVISOR
UNDERGROUND STRUCTURES		

LOCATIONS 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



DILLON
Consulting Engineers & Planners

S.S.R. C.R.B.
N.B.U. MAY/85

APPROVED BY: *W.B. Ulyatt* DATE: *1985-05-03*

THE CITY OF WINNIPEG

WORKS & OPERATIONS DIVISION
STREETS & TRANSPORTATION DEPARTMENT

ROUTE 90 CULVERT AT OMAND'S CREEK
TOP SLAB REHABILITATION, STRUCTURAL STRENGTHENING AND RELATED WORKS

GENERAL ARRANGEMENT AND LOCATION OF PROPOSED WORKS

APPROVED BY: *W.B. Ulyatt* DATE: *1985-05-03*

SCALE 1:200 DRAWING NO. C315-85-02