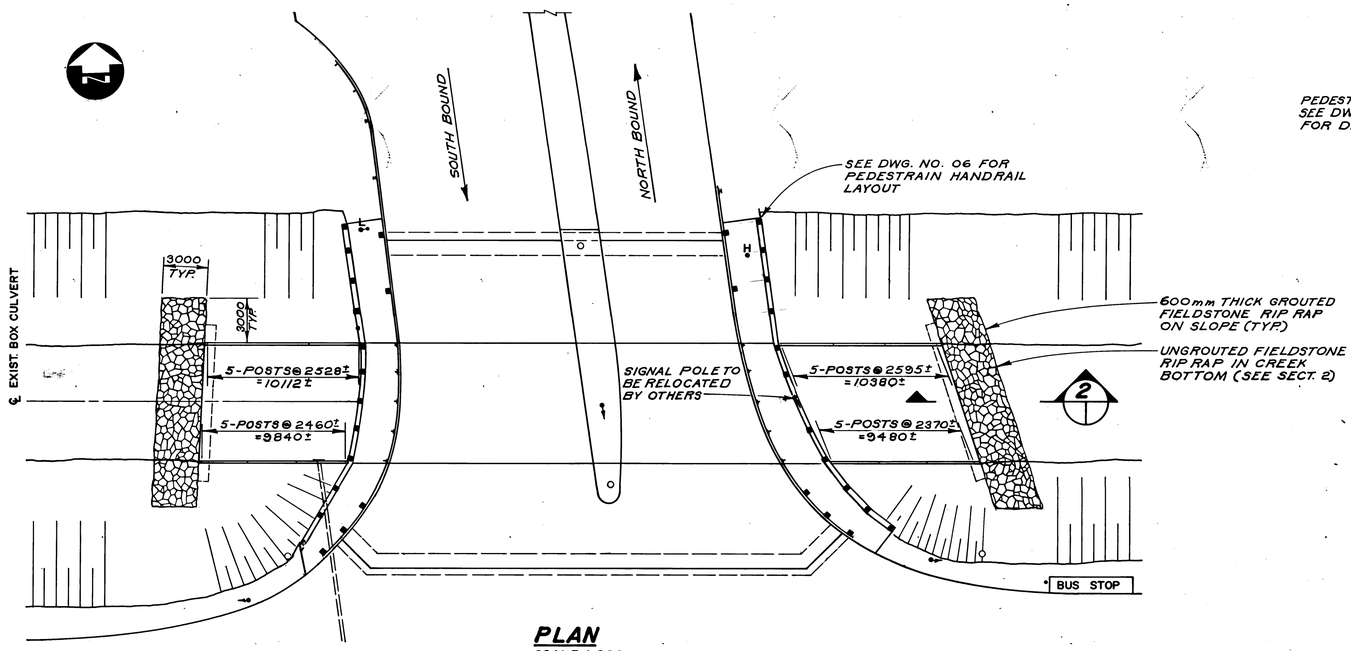
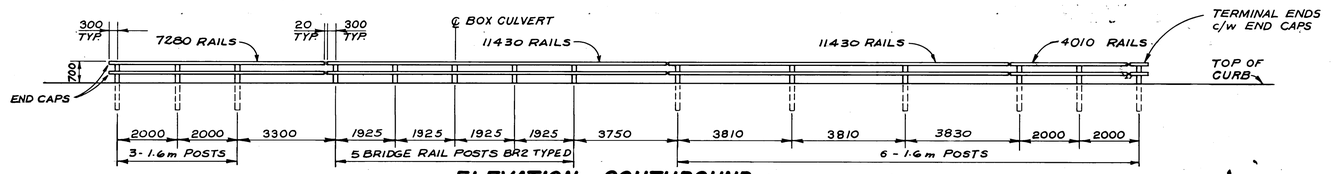
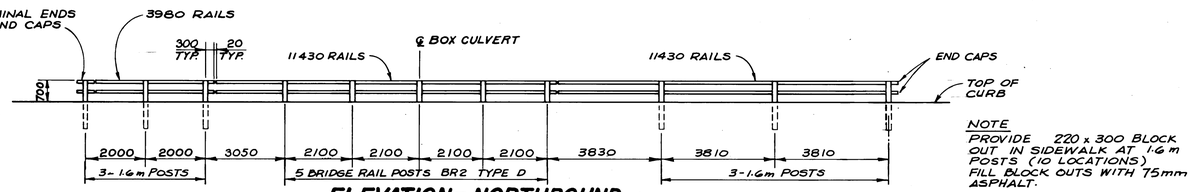


PLAN
SCALE: 1:200

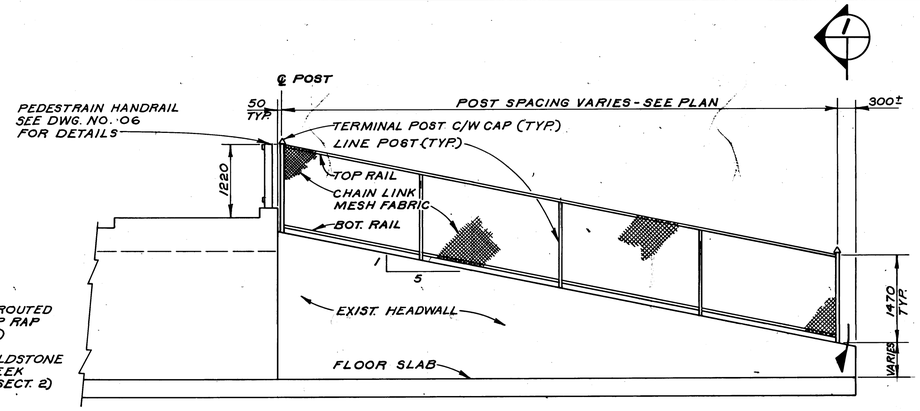


ELEVATION – SOUTHBOUND (LOOKING WEST)
SCALE: 1:100

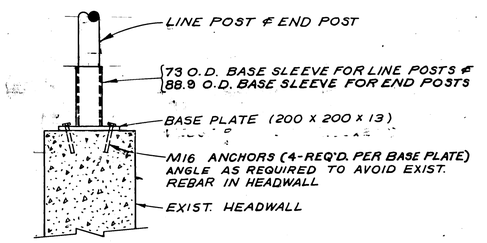


NOTE
PROVIDE 220 x 300 BLOCK OUT IN SIDEWALK AT 1.6 m POSTS (10 LOCATIONS) FILL BLOCK OUTS WITH 75mm ASPHALT.

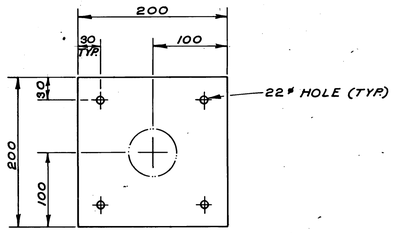
ELEVATION – NORTHBOUND (LOOKING WEST)
SCALE: 1:100



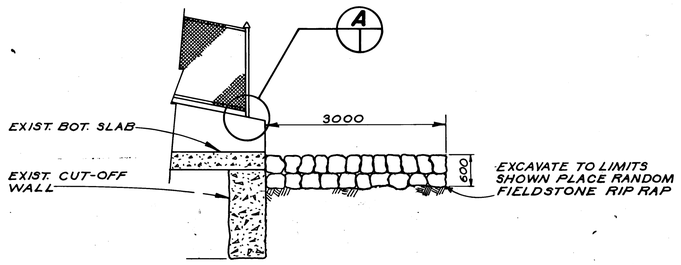
ELEVATION – SHOWING CHAIN LINK FENCE
SCALE: 1:50



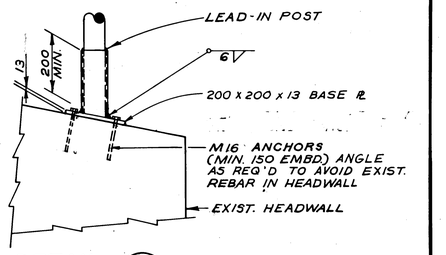
SECTION 1
SCALE: 1:10



BASE PLATE DETAIL
SCALE: 1:40



SECTION 2
SCALE 1:50

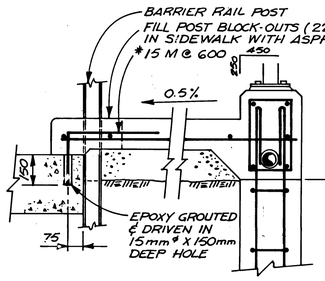


DETAIL A
SCALE: 1:50

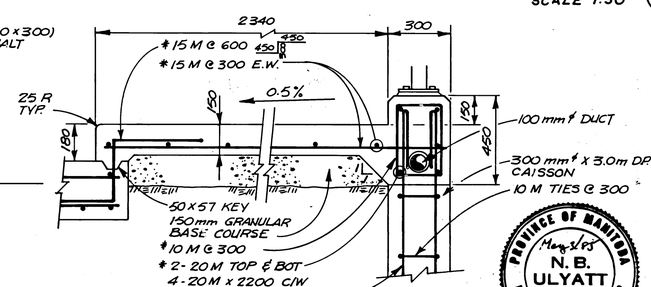
ALUMINUM TRAFFIC BARRIER RAIL COMPONENTS
BILL OF MATERIALS

ITEM	FOR INSTALLATION	FOR STANDBY
BARRIER RAIL 11430 (STRAIGHT)	4	-
BARRIER RAIL 11430 (PREBENT)	4	1
BARRIER RAIL 7280 (PREBENT)	2	1
BARRIER RAIL 4010 (PREBENT)	2	1
BARRIER RAIL 3980 (PREBENT)	2	1
TERMINAL ENDS	4	-
BRIDGE RAIL POSTS (BR 2 TYPE D)	10	-
BARRIER POST (1600)	15	1
STANDARD SPLICE BAR	14	-
RAIL CLAMP BAR	104	-
CAP SCREWS	264	-
WASHERS	264	-
SHIMS FOR RAIL POSTS	AS REQUIRED	-
SHIMS FOR RAIL END SECTION	AS REQUIRED	-
RAIL END CAPS	8	-
RAIL POST ANCHOR BOLTS	50	-

NOTE: RADIUS OF ALL PREBENT RAILS SHALL BE CHECKED WITH FIELD MEASUREMENTS TO SUIT FIELD CONDITIONS PRIOR TO FABRICATION



SECTION 5
SCALE 1:15



SECTION 6
SCALE 1:15

CHAINLINK FENCE NOTES

1. VERIFY ALL DIMENSIONS BY FIELD MEASUREMENTS PRIOR TO FABRICATION.
2. ALL FENCING MATERIALS TO BE GALVANIZED, AS SPECIFIED, AND TOUCHED UP USING "GALVALLOY".
3. CHAIN LINK MESH FABRIC TO BE CONNECTED TO POSTS AND RAILS WITH A "SLINKY" COIL.
4. NO SHARP POINTS SHALL REMAIN ON ENDS OF WIRE MESH FABRIC.
5. POSTS SHALL BE LEADED INTO GALVANIZED STEEL BASE SLEEVES.
6. POSTS AND RAILS TO BE SCH.40 PIPE.
7. ALL TERMINAL AND CORNER POSTS TO BE 73.0 mm O.D.
8. ALL LINE POSTS TO BE 60.3 mm O.D.
9. TOP AND BOTTOM RAILS TO BE 42.9 mm O.D.
10. FABRIC MESH TO BE 3.77 mm (9 GAUGE) WIRE.
11. ANCHOR BOLTS - TO BE S/S 20 mm ϕ "KEYSTON ANCHOR SYSTEMS" EACH C/W S/S NUT AND S/S WASHER.

PROVINCE OF MANITOBA
May 3/85
N. B. ULYATT
REGISTERED ENGINEER

AS BUILT
APPROVED BY:

B-5530-7
METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

ITEM	ITEM	EXISTING	PROPOSED
POLES - HYDRO(H) M.T.S.(T)	EDGE OF PAV'T NO CURB		
SIGNAL POLE	EDGE OF PAV'T CURBED		
LIGHT STANDARD	EDGE PAV'T CURB ℄ GUTTER		
SURVEY BAR	PARAPLEGIC RAMP		
FIRE HYDRANT	ELEVATIONS	40.265	40.265
WATER VALVE	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 210/72 FOR DETAILS

LOCATION APPROVED UNDERGROUND STRUCTURES

DATE SUPERVISOR

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.

NO	REVISIONS	DATE	APP

PROVINCE OF MANITOBA
May 3/85
S. S. RIHAL
REGISTERED ENGINEER
ENGINEER'S SEAL

DILLON
Consulting Engineers & Planners

DESIGNED BY: S.S.R.	DRAWN BY: C.R.B.
CHECKED BY: N.B.U.	DATE: MAY 85
APPROVED BY:	DATE: May 3/85

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

LAYOUT OF BALANCED ALUMINUM SHOULDER BARRIER, HEADWALL CHAINLINK FENCE AND RIP RAP

AUTHORIZED BY: STREETS & BRIDGES ENGINEER	DATE: 1985-05-03
ACCEPTED BY: BRIDGE ENGINEER	DATE: 1985 05 03
SCALE: 1:100 OR AS NOTED	DRAWING NO. C315-85-07

M.M.D. 9439-01
FIELD BOOK NO. B-43-1