

May 9, 2018

AAFC Admiral Dam & Downie Lake Dam
Contract No. 5
Low Level Gate System Replacement
CONTRACT #4547-928-714-0-C5

Addendum No. 2

Questions & Answers

Q1 Does AAFC have a supplier in mind?

A1 No.

Q2 Is there any detail on the entrance so that a design of a bulkhead could be considered?

A2 See attached drawings.

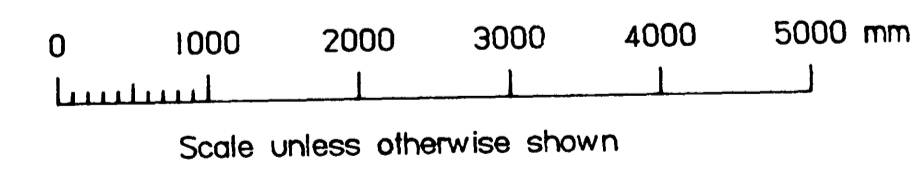
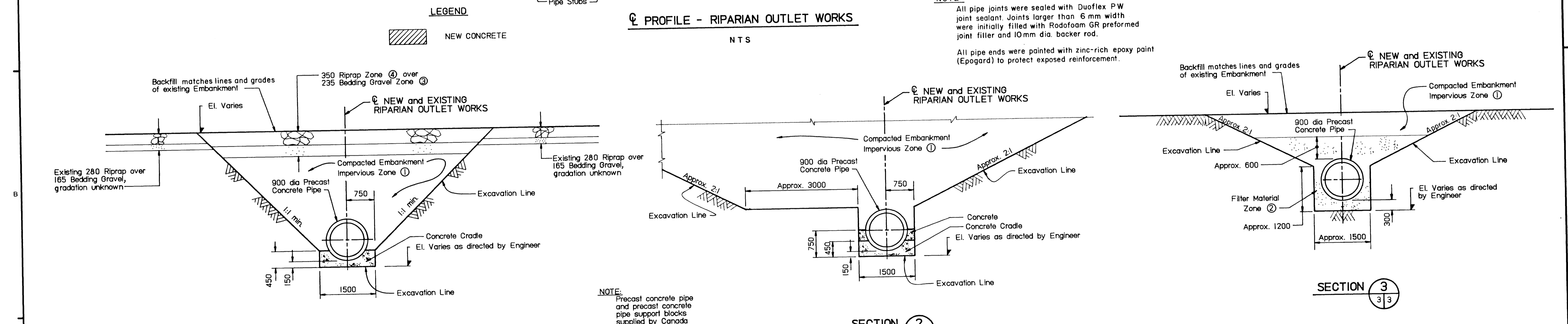
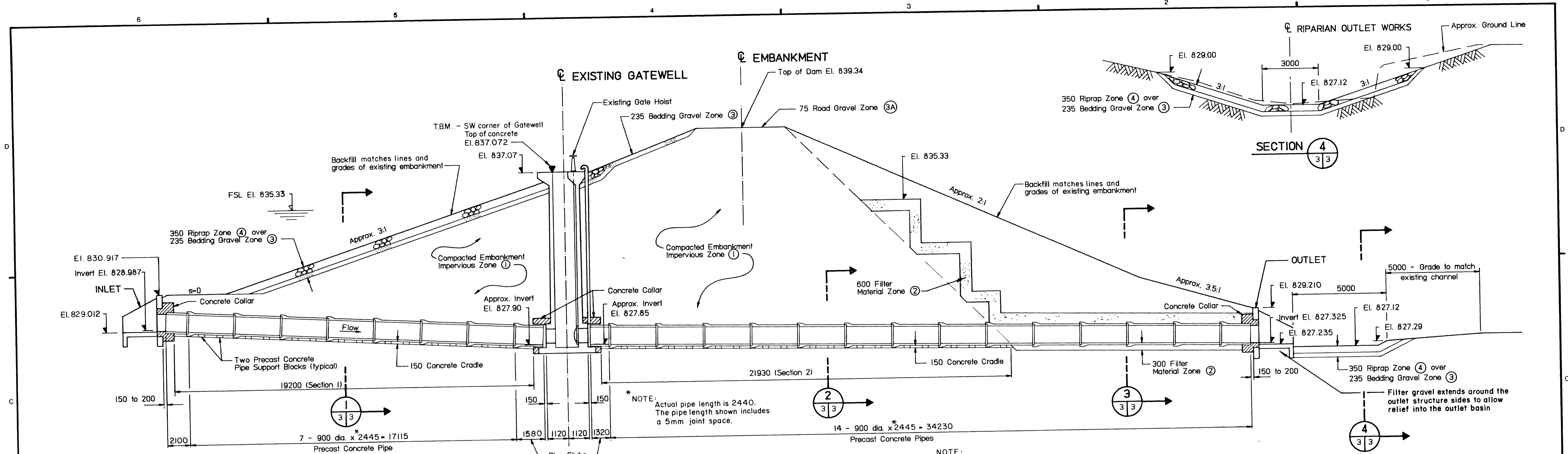
Additional Information

Bidders are to consider the following when preparing their bid:

1. At Downie Lake Dam the air vent is in very close proximity to the gate and cannot be moved without difficulty. As this is indicated on the Drawings, modifications made (eg. modifications to the thimble) to accommodate the air vent will not be considered as an “extra”. Modifications (if necessary) should be included in the bid price for the Work.
2. It should be noted, the hole in the corbel for the hoist is in close proximity to the gate well wall. As noted on the drawings the contractor should attempt to re-use the existing hole if possible. (The distance the gate stem is offset from the wall may dictate the choice of gate supplier in this regard.) Furthermore, as noted in the drawings, if it is not possible to re-use the existing hole in the corbel the contractor is responsible for coring a new hole in the corbel.
3. Regarding the Technical Specifications, Section 03 30 01 - Cast-In-Place Concrete and Grout Infill, the following wording is to be removed:

3.2.1.7 The annular space between the municipal flow and air vent pipe and the cored hole in the existing concrete shall be grouted simultaneously with the rest of the grouting works.

Natalie O’Neill
Senior Contracting Officer
Regina, Saskatchewan

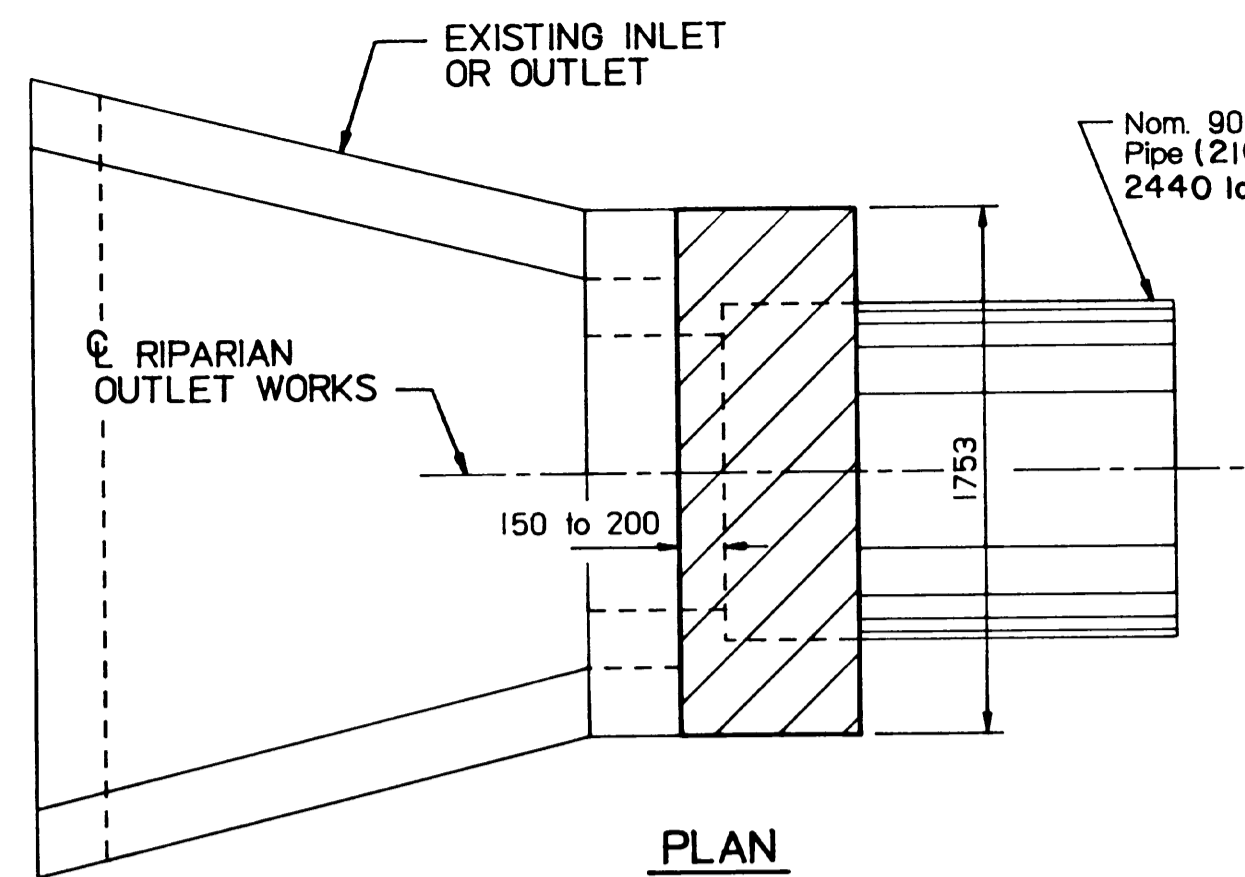


NOTE:
 Excavation to be shored or braced as necessary according to the requirements of the Workers' Compensation Board regulations.
 Where the slopes are shown as 1:1 min, the contractor shall determine the slope necessary for a stable, safe excavation based on soil conditions and Workers' Compensation Board regulations.
 Backfill around structures and pipes shall be compacted by manually guided mechanical compactors as specified.

AS CONSTRUCTED

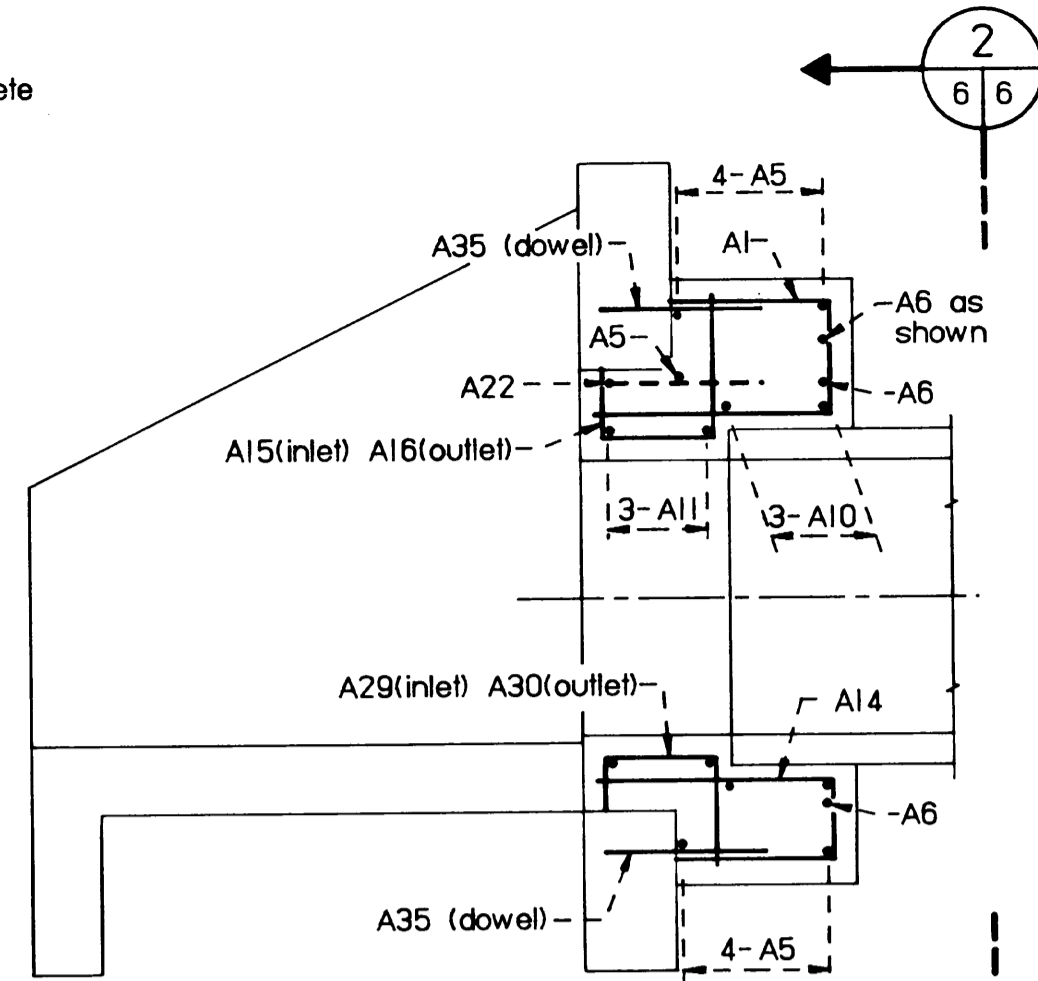
REFERENCE SYSTEM Item number, Detail, Section, etc. numbered consecutively on each sheet. Originating sheet number, sheet on which item is indicated and numbered. Sheet number on which Detail, Section, etc. is drawn.		Designed: <i>David Padgett</i> Drawn: <i>Ray A. Clark</i> Checked: <i>A. J. Greenlaw</i> Date: <i>20/02/15</i> Date: <i>20/02/15</i>		Submitted: <i>[Signature]</i> Date: <i>20/02/15</i> Approved: <i>[Signature]</i> Date: <i>20/02/15</i>		Agriculture Canada Prairie Farm Rehabilitation Administration Administration du Rétablissement agricole des Prairies Engineering Service		ADMIRAL DAM PROJECT CONTRACT 1 - RIPARIAN OUTLET CONDUIT REPLACEMENT STRUCTURE LAYOUT, EXCAVATION AND BACKFILL Scale AS SHOWN Date SEPT/88 Sheet 3 of C114082	
Mark	Grid Ref.	Nature of Revision	Date	Eng. By Whom					

ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SHOWN.
 ALL STATIONING AND ELEVATIONS ARE IN METRES.



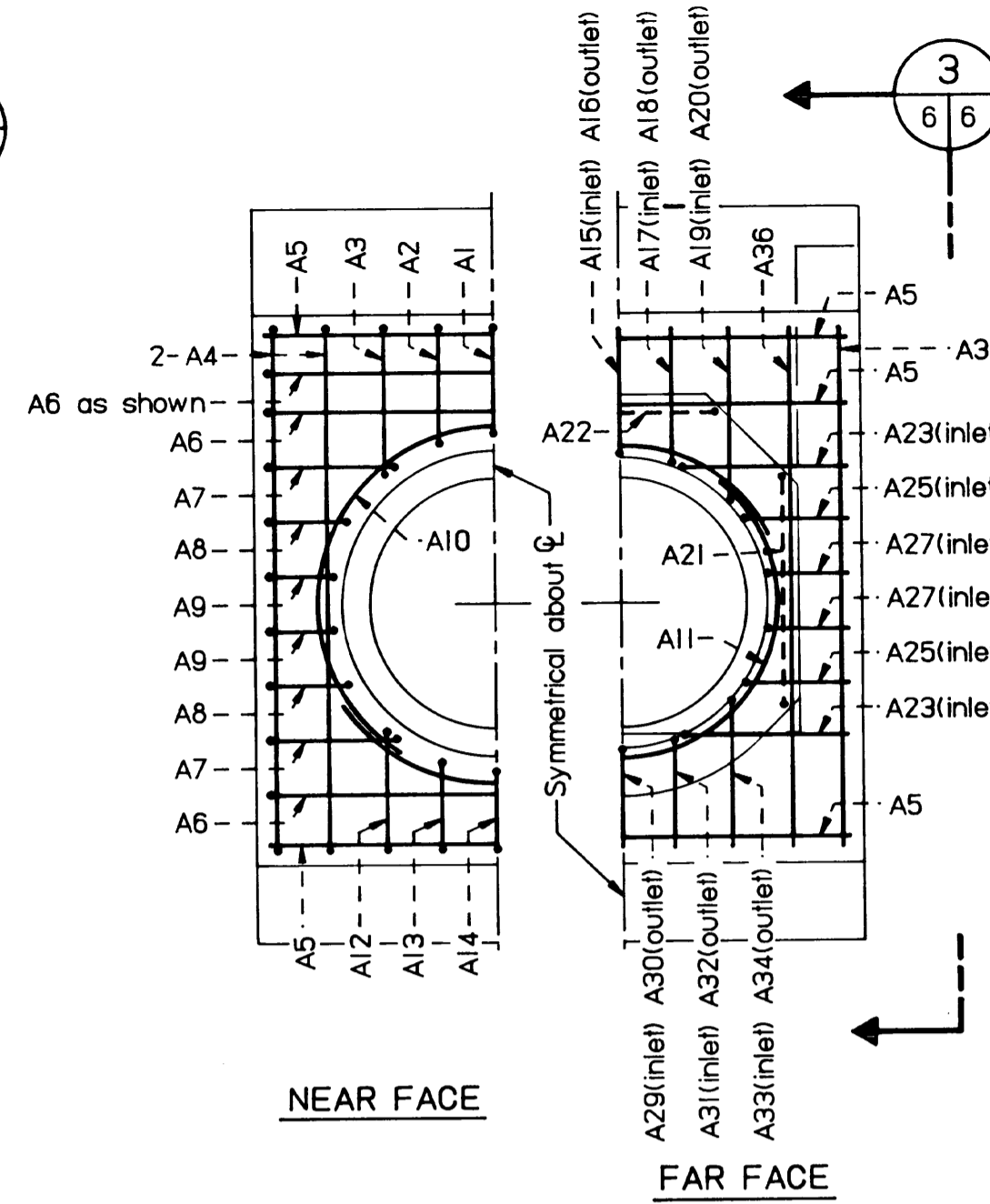
PLAN

NOTE: Inlet shown, outlet similar but opposite

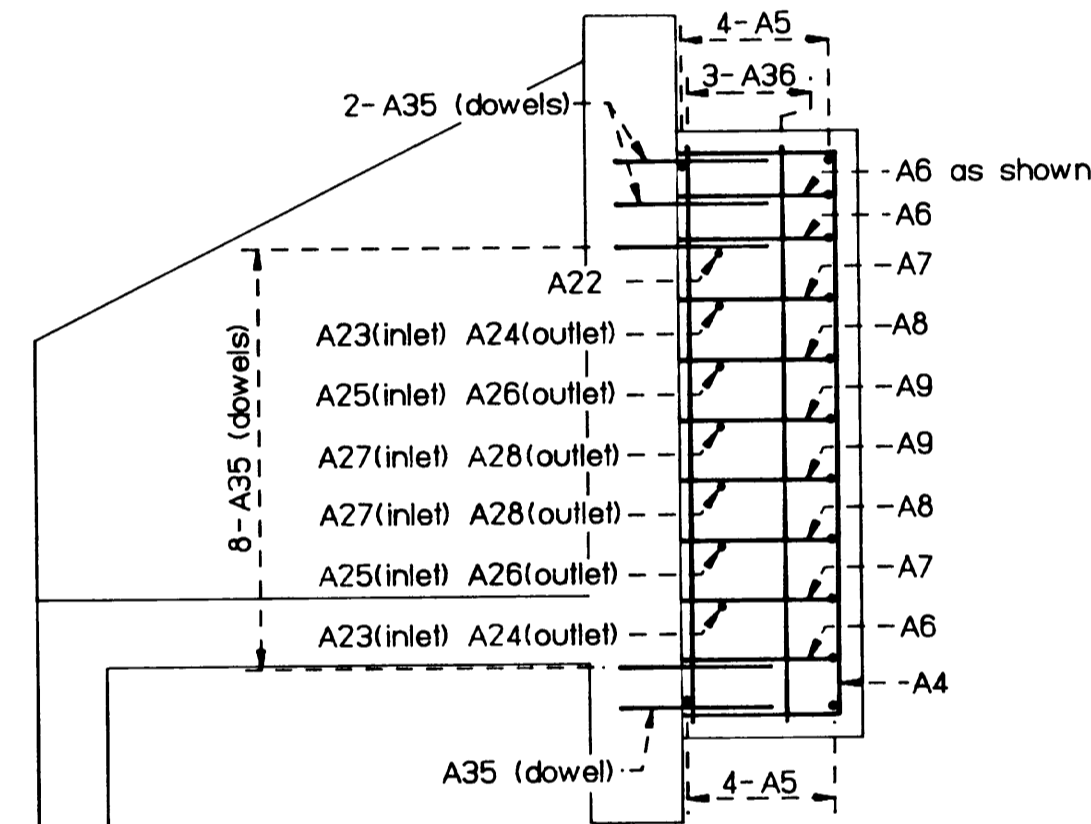
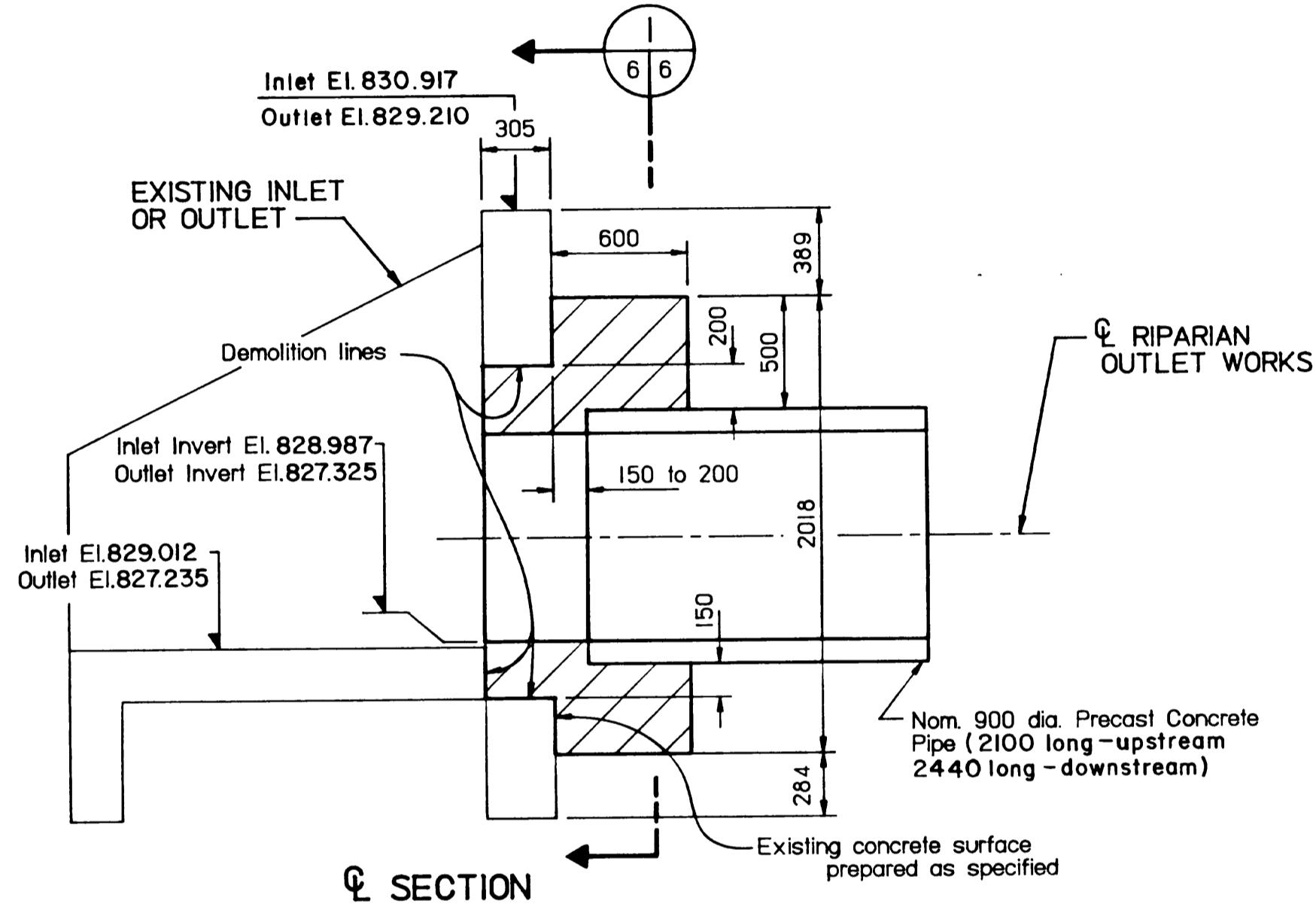


SECTION

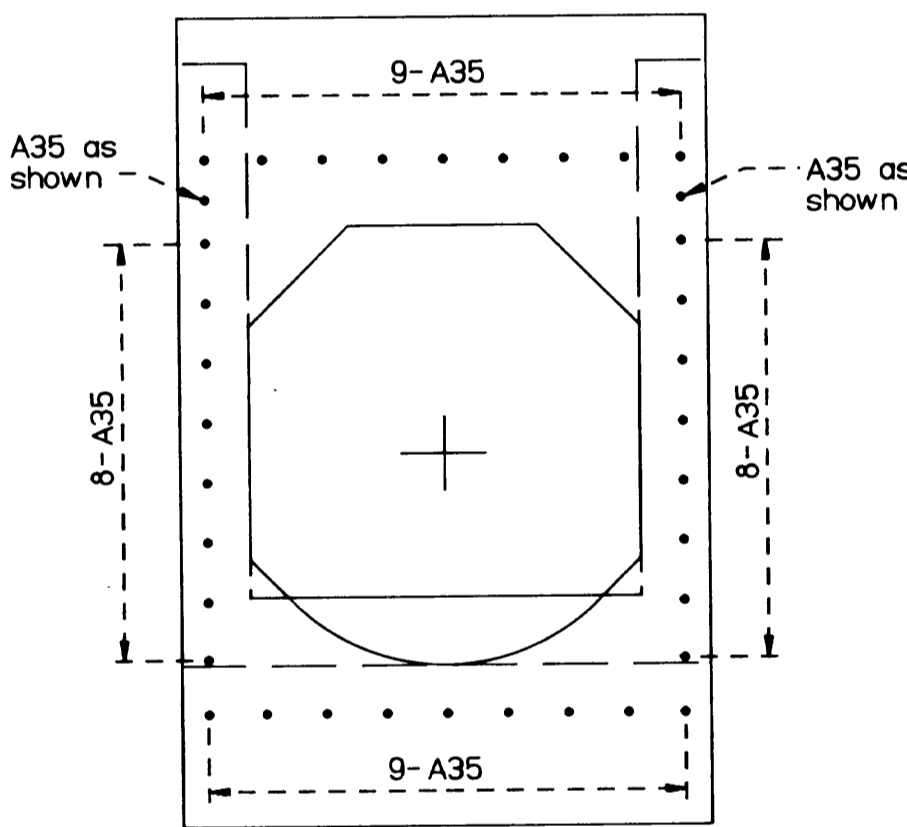
NOTE: Existing reinforcing in area of demolition to be trimmed to clear cover requirements



VIEW 2



VIEW 3



DOWEL PLACEMENT DETAIL

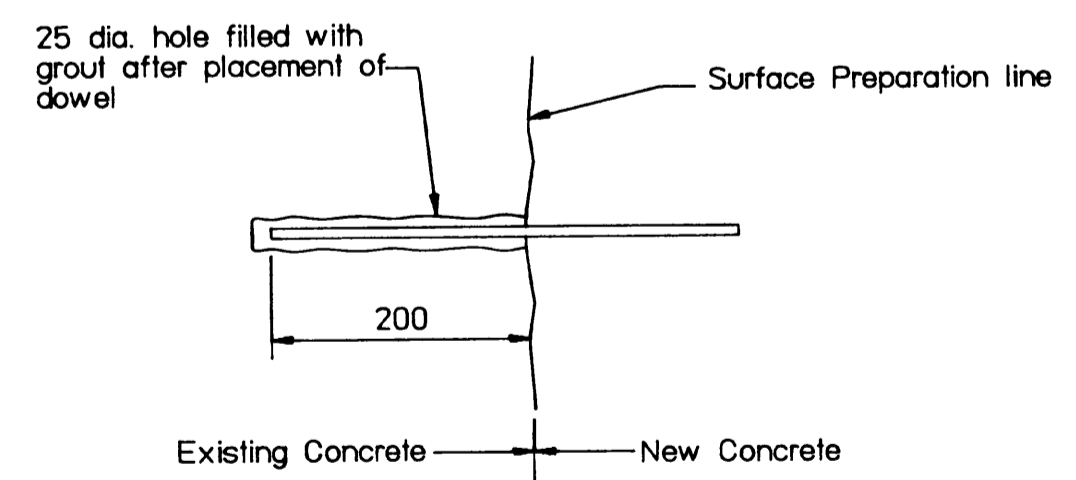
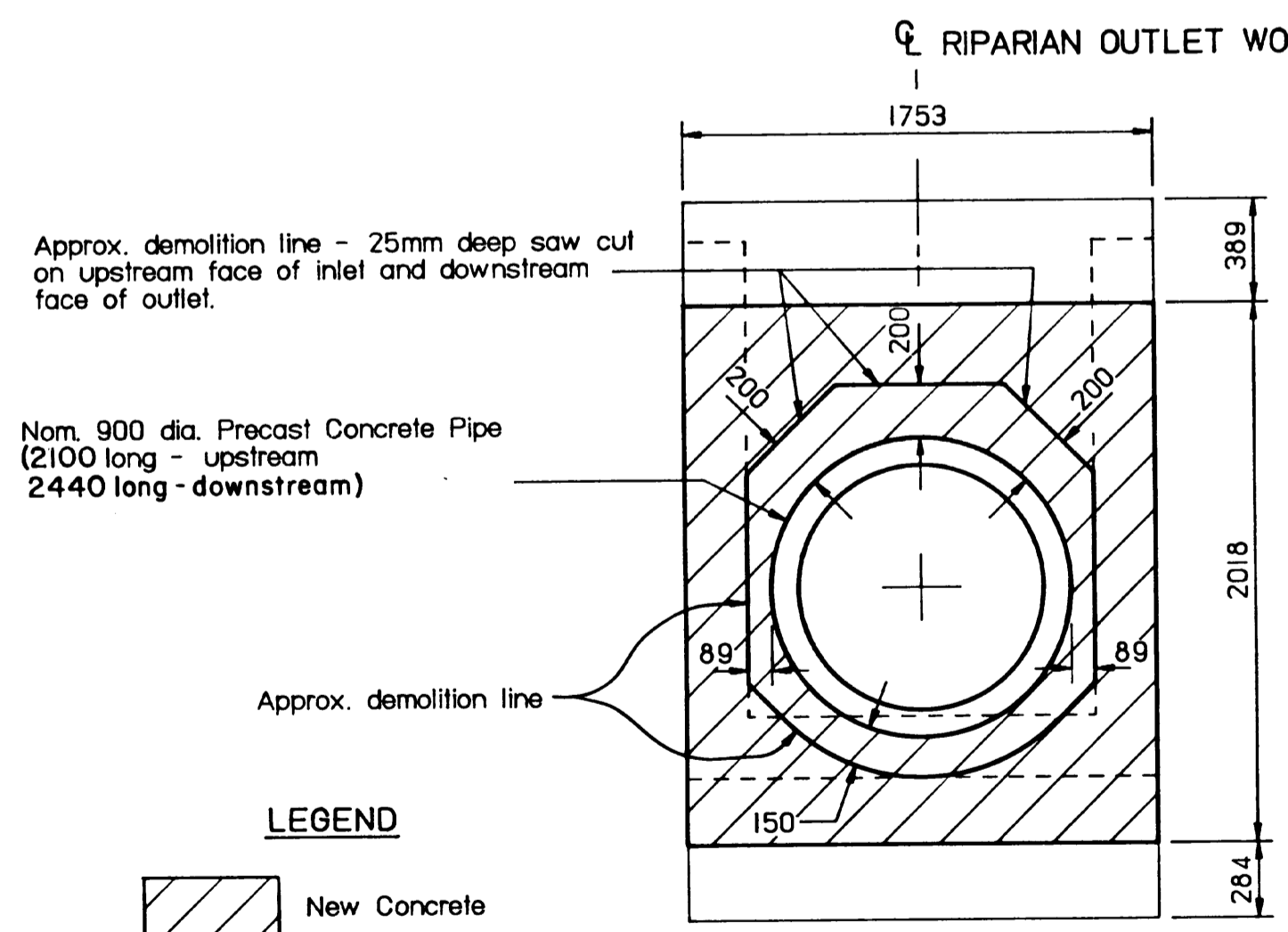
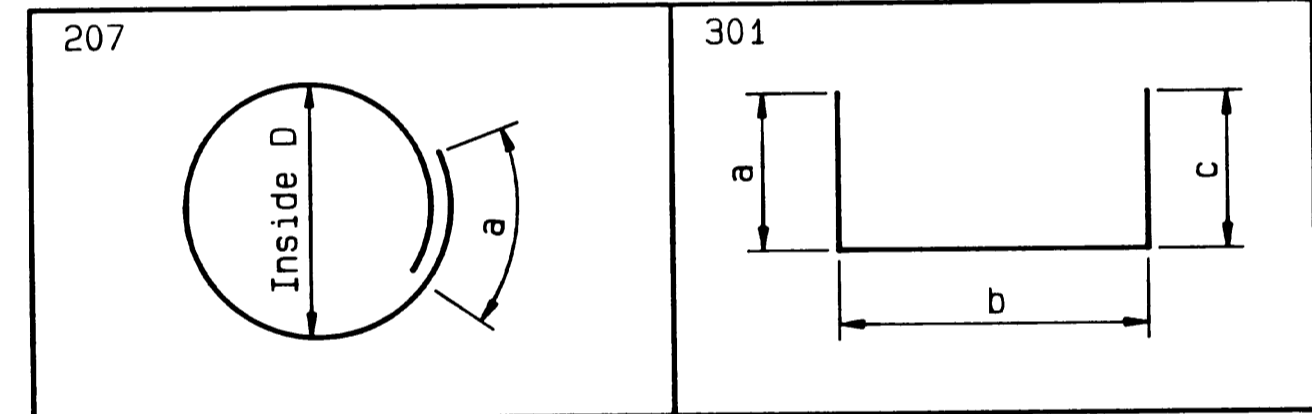
TYPICAL DOWNSTREAM FACE OF EXISTING INLET STRUCTURE AND UPSTREAM FACE OF EXISTING OUTLET STRUCTURE

REINFORCING NOTES:

- All bars are #10 unless otherwise indicated.
- Bar spacing is a nominal 200 mm o.c. unless otherwise shown.
- Clear concrete cover to reinforcing:
 - 50 mm to precast concrete pipe.
 - 75 mm in all remaining areas.
- All dimensions are out to out unless otherwise indicated.
- All bar bends to conform to the bends specified in CSA:A23.1-M77, Section 12.2, unless otherwise indicated or otherwise approved by the Engineer.
- Total bar lengths shown in the Total Length column are approximate only.

LOCATION	No	MARK	SIZE	SHAPE	Elements (mm)									Variables	BAR LENGTH (mm)	TOTAL LENGTH (m)
					a	b	c	d	e	f	g	R or D				
					min	max										
INLET AND OUTLET STRUCTURES	2	A1	10	301	520	380	760								1660	3.4
	4	A2	10	301	520	400	760								1680	6.8
	4	A3	10	301	520	520	760								1800	7.2
	8	A4	10	301	520	1870	520								2910	23.3
	18	A5	10	str											1610	29.0
	6	A6	10	301	520	1610	520								2650	15.9
	8	A7	10	301	520	450	760								1730	13.9
	8	A8	10	301	520	270	760								1550	12.4
	8	A9	10	301	520	200	760								1480	11.9
	6	A10	10	207	300						1240				4240	25.5
	6	A11	10	207	300						1090				3760	22.6
	4	A12	10	301	520	430	760								1710	6.9
	4	A13	10	301	520	310	760								1590	6.4
	2	A14	10	301	520	270	760								1550	3.1
	1	A15	10	301	450	330	220								1000	1.0
	1	A16	10	301	450	380	220								1050	1.1
	2	A17	10	301	480	330	260								1070	2.2
	2	A18	10	301	480	380	260								1120	2.3
	2	A19	10	301	630	330	310								1270	2.6
	2	A20	10	301	630	380	310								1320	2.7
	4	A21	10	301	500	850	500								1850	7.4
	2	A22	10	301	500	720	500								1720	3.5
	4	A23	10	301	630	330	390								1350	5.4
	4	A24	10	301	630	380	390								1400	5.6
	4	A25	10	301	360	330	200								890	3.6
	4	A26	10	301	360	380	200								940	3.8
	4	A27	10	301	280	330	120								730	3.0
	4	A28	10	301	280	380	120								780	3.2
	1	A29	10	301	340	330	170								840	.9
	1	A30	10	301	340	380	170								890	.9
	2	A31	10	301	380	330	180								890	1.8
	2	A32	10	301	380	380	180								940	1.9
	2	A33	10	301	530	330	230								1090	2.2
	2	A34	10	301	530	380	230								1140	2.3
	72	A35	10	str											510	36.8
	16	A36	10	str											1870	30.0

BAR SHAPES



NOTE:

- Existing reinforcing shall be maintained in the demolition area as specified
- Structural and reinforcement details of existing inlet and outlet are shown on sheet 8

SECTION 1

Item number, Detail, Section, etc. numbered consecutively on each sheet.	Originating sheet number, Sheet on which item is indicated and numbered.	Sheet number on which Detail, Section, etc. is drawn.

Mark	Grid Ref.	Nature of Revision	Date	Eng. By Whom

Designed <i>[Signature]</i>	Submitted <i>[Signature]</i>
Drawn <i>[Signature]</i>	Date 2007/15
Checked <i>[Signature]</i>	Approved <i>[Signature]</i>
	Date 2007/13/08

Agriculture Canada

Prairie Farm Rehabilitation Administration / Administration du Rétablissement agricole des Prairies

Engineering Service

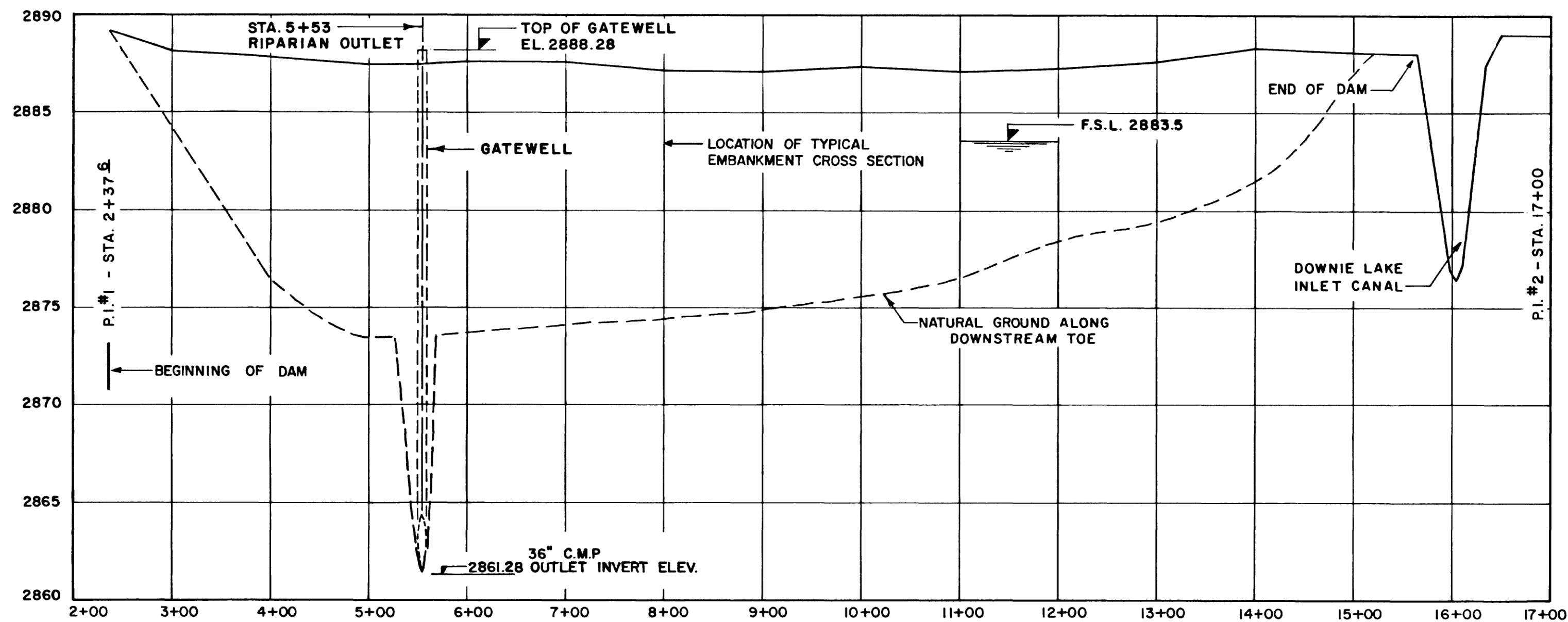
ADMIRAL DAM PROJECT

CONTRACT 1 - RIPARIAN OUTLET CONDUIT REPLACEMENT

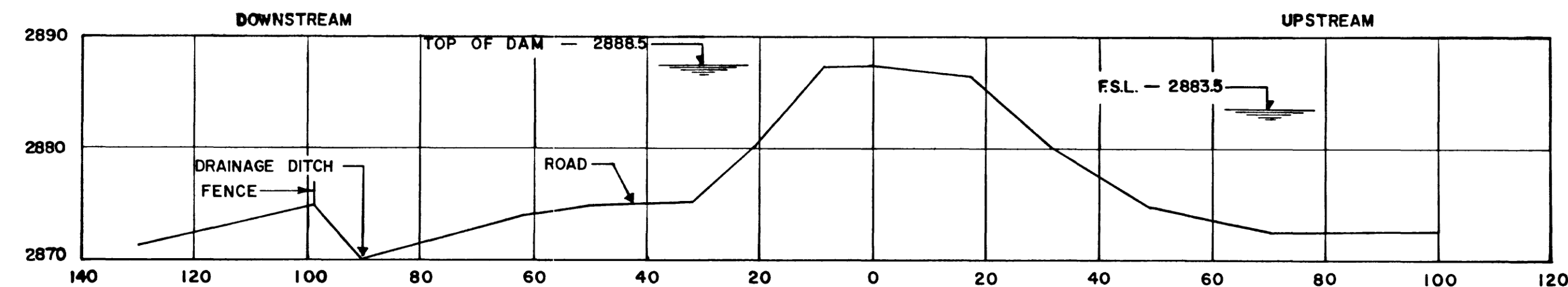
INLET AND OUTLET - PIPE COLLARS

STRUCTURAL AND REINFORCEMENT

Scale AS SHOWN Date SEPT/88 Sheet 6 of C114085

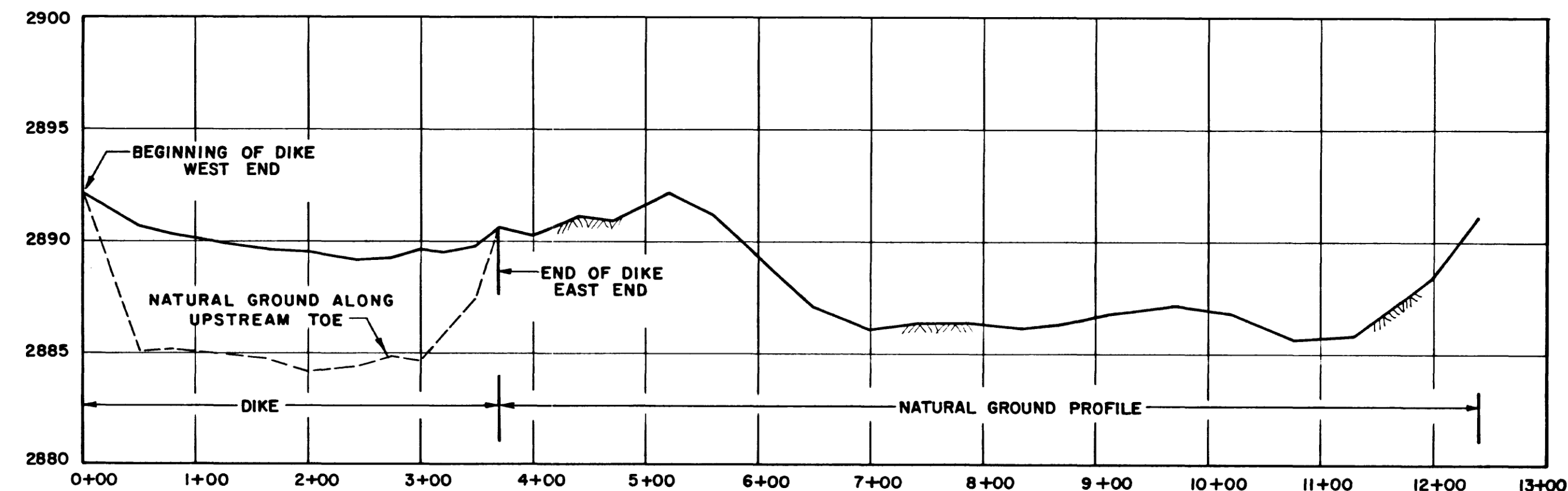


PROFILE OF DAM
 SCALE: HORIZ. - 1" = 100'
 VERT. - 1" = 5'



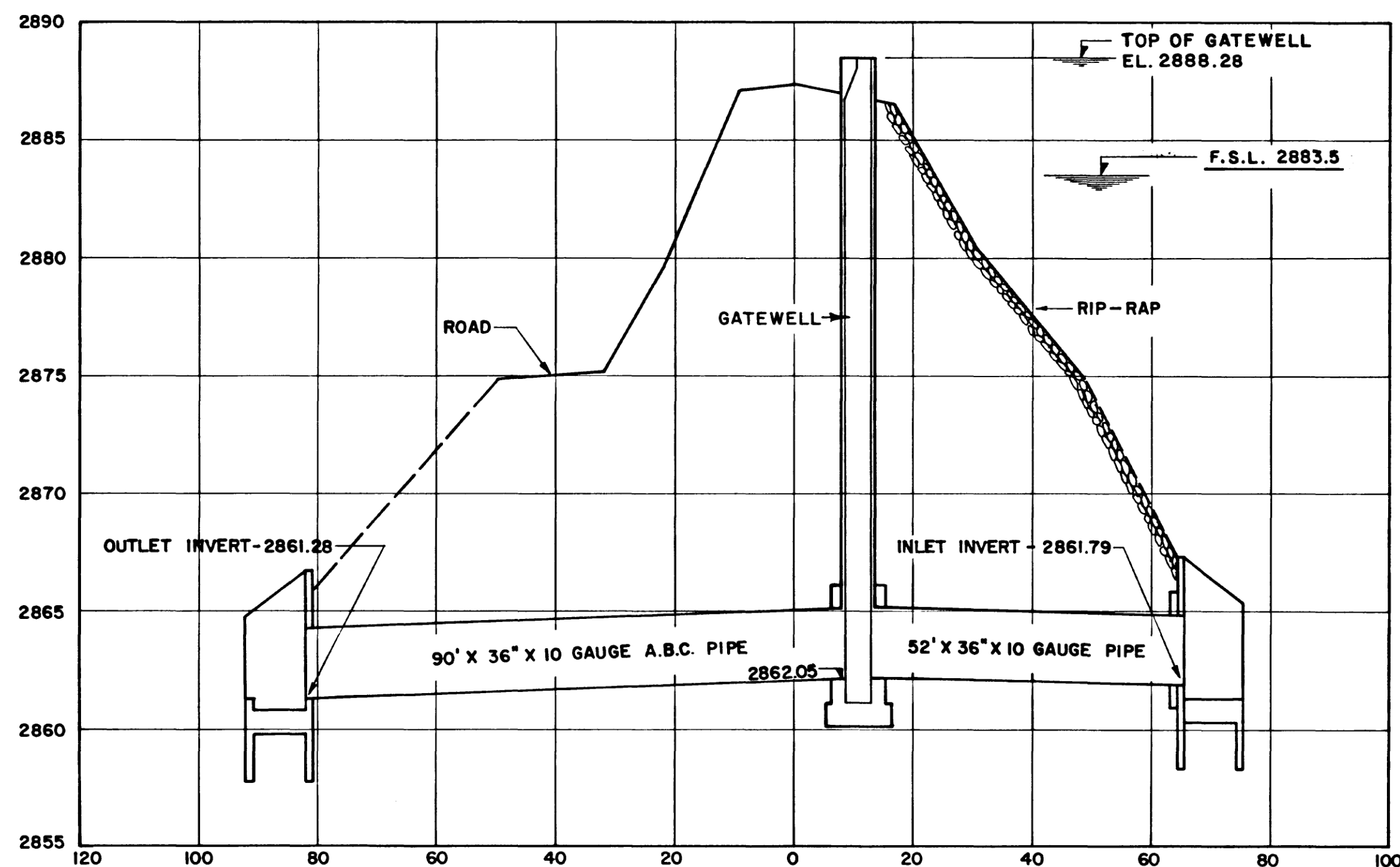
STA. 8+00-EMBANKMENT CROSS SECTION

SCALE: HORIZ. - 1" = 20'
 VERT. - 1" = 10'



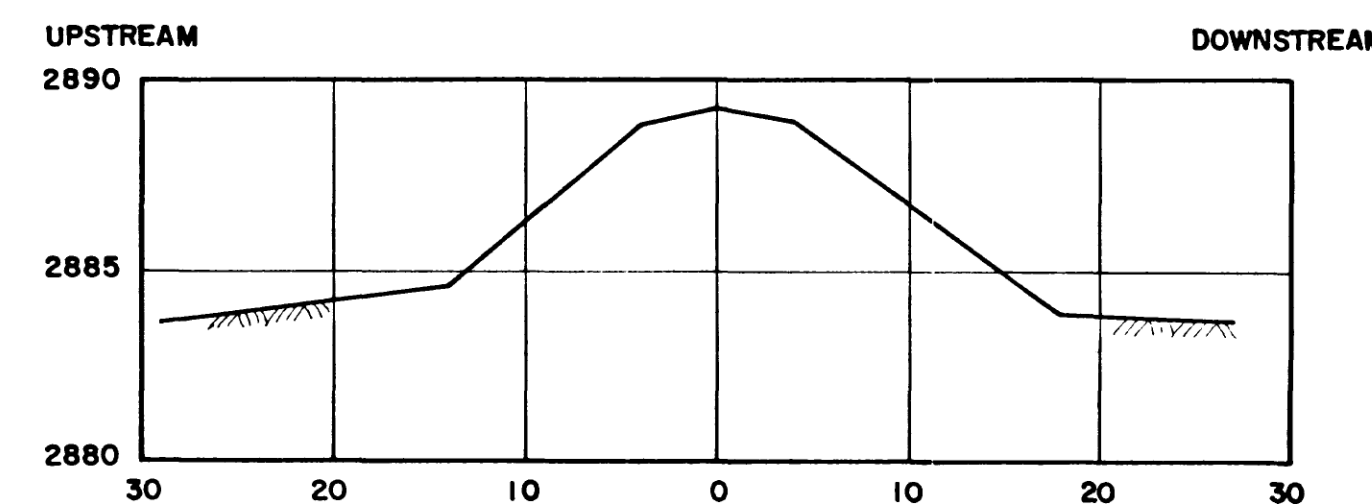
PROFILE OF DIKE IN N.W. 1/4 SEC. 12-10-28 W3

SCALE: HORIZ. - 1" = 100'
 VERT. - 1" = 5'



EMBANKMENT SECTION ALONG RIPARIAN C - STA. 5+53

SCALE: HORIZ. - 1" = 20'
 VERT. - 1" = 5'



TYPICAL CROSS SECTION OF DIKE

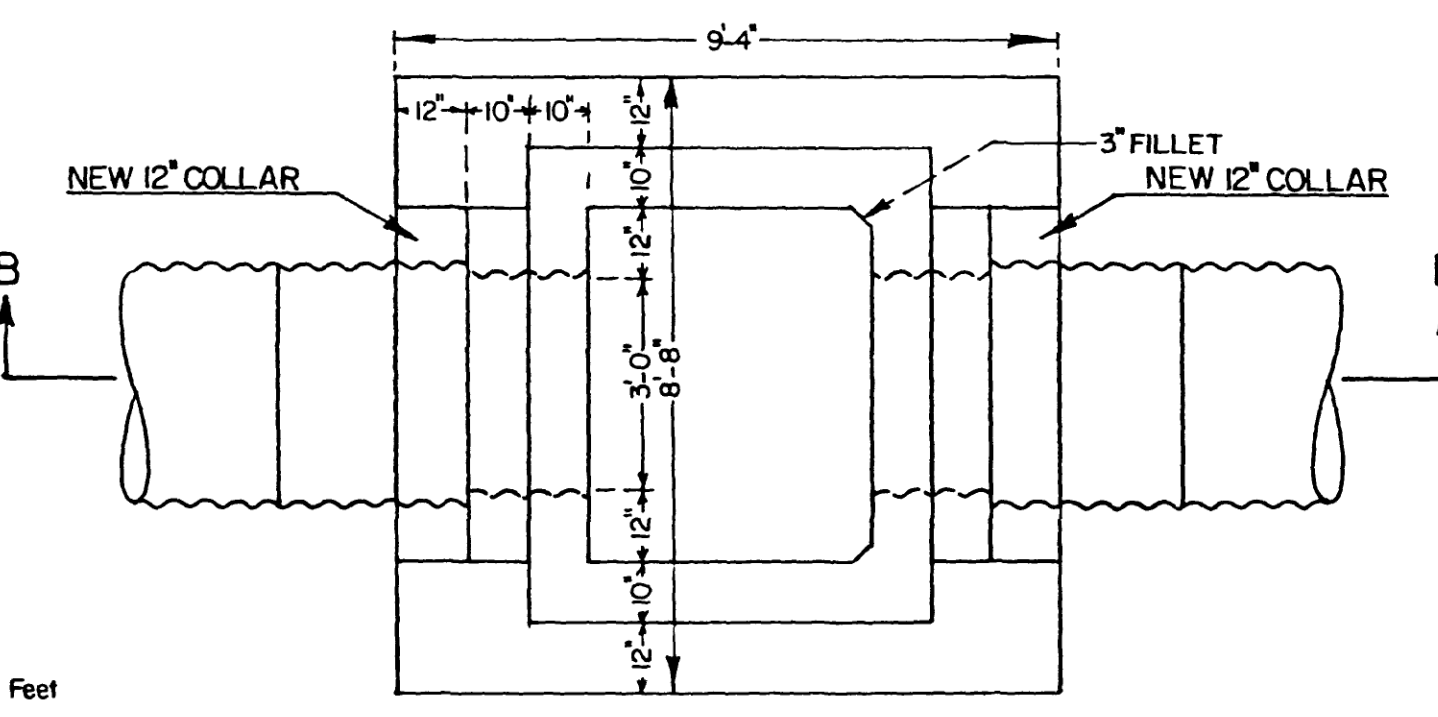
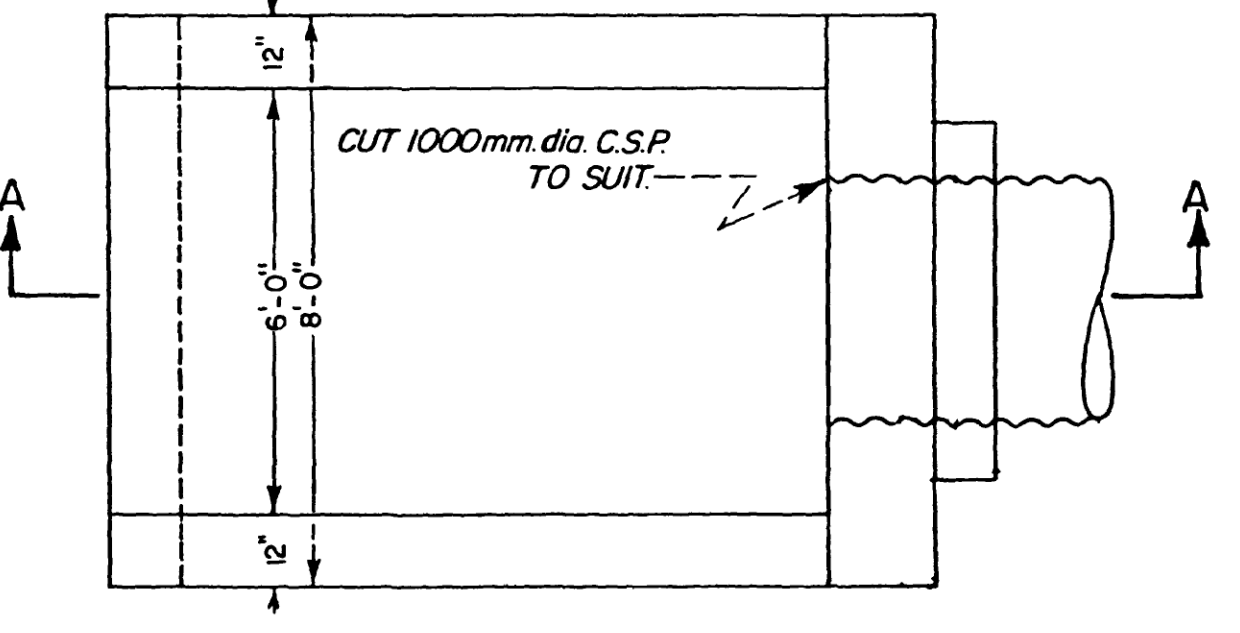
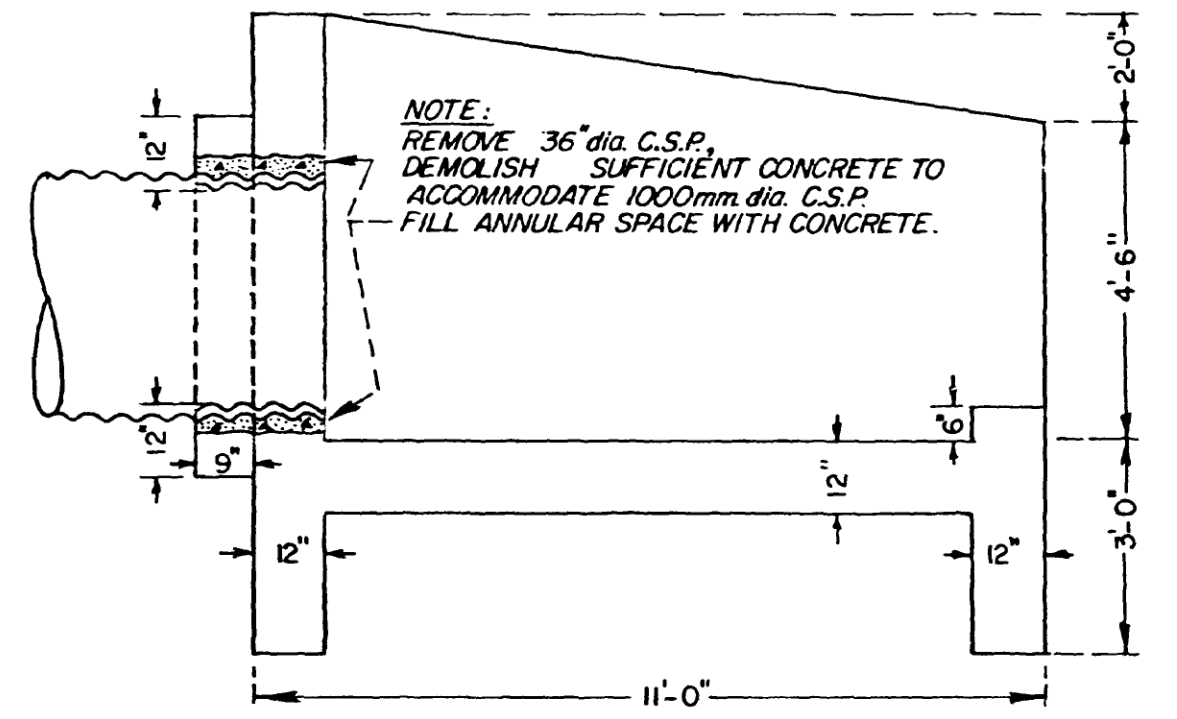
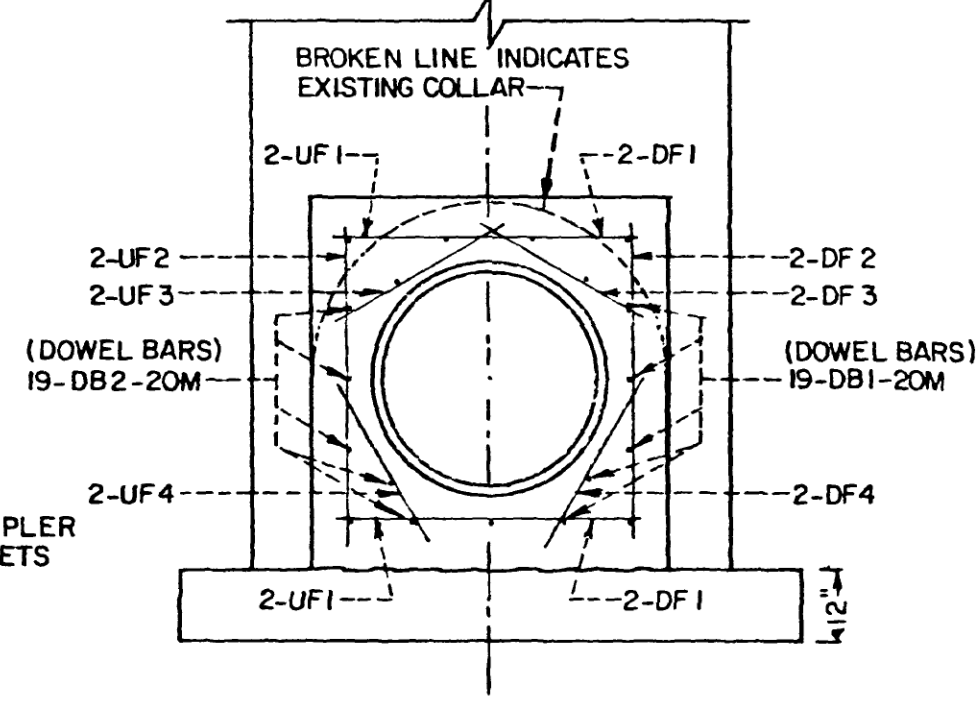
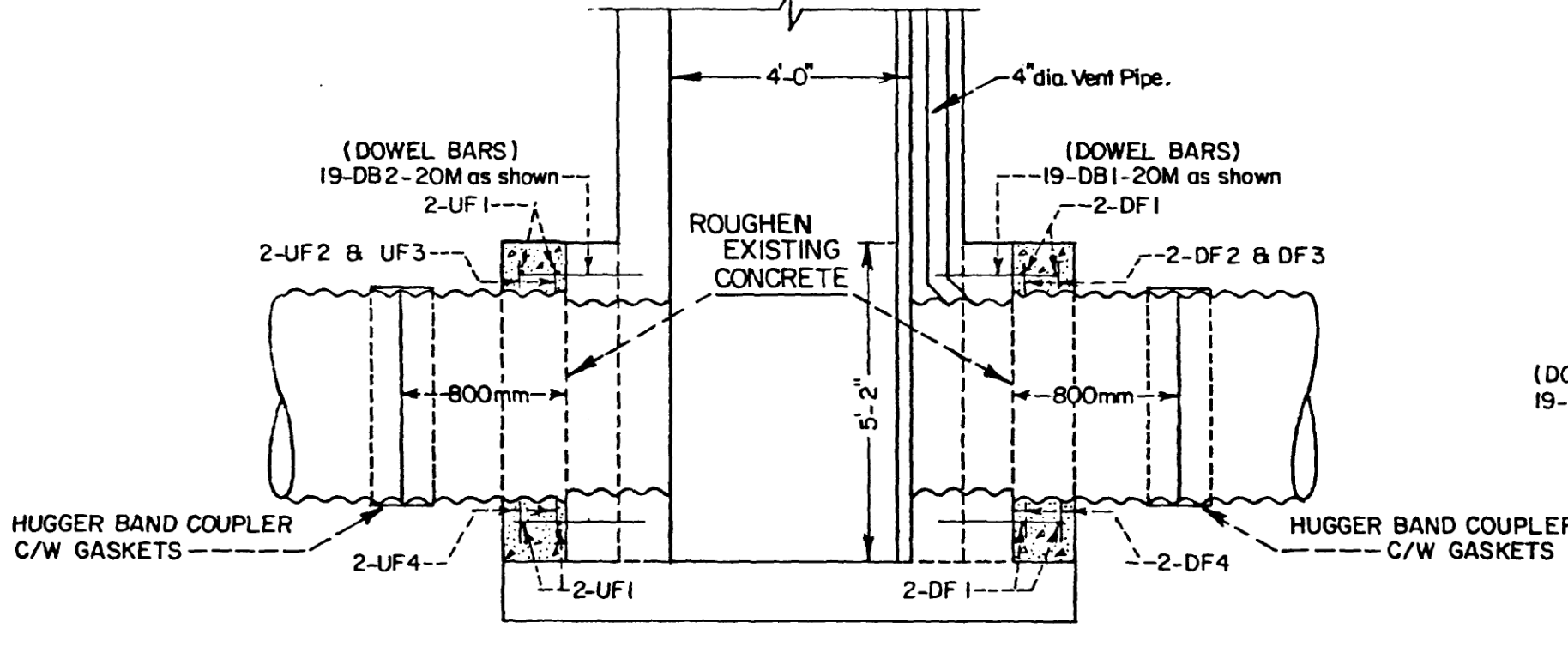
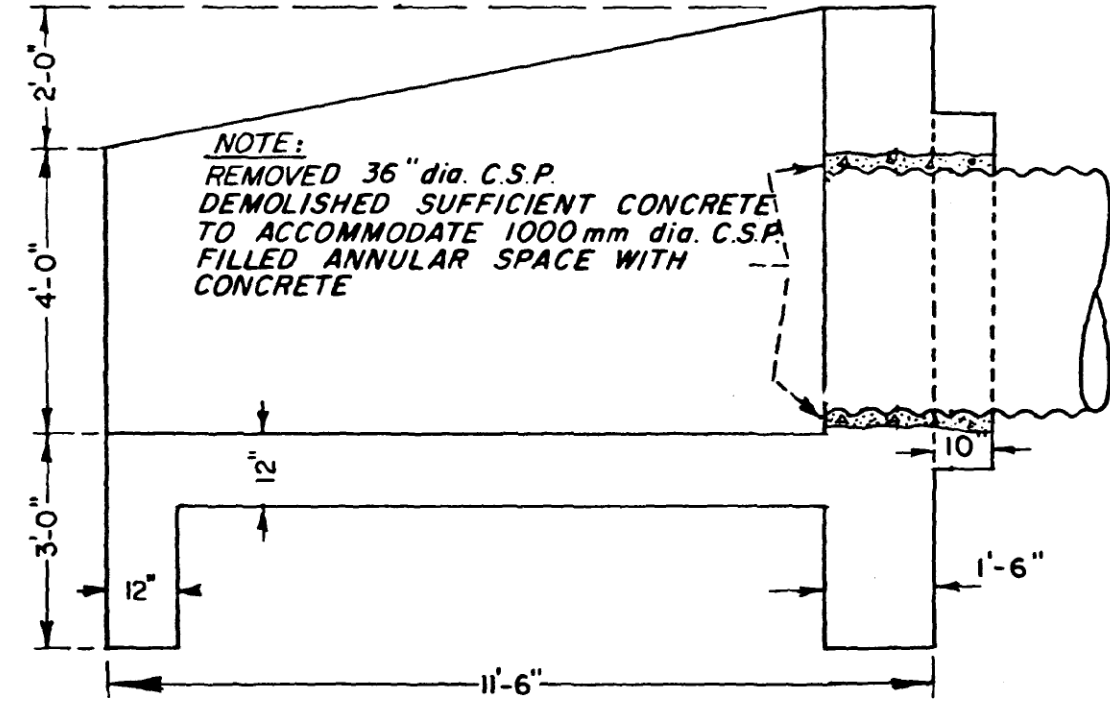
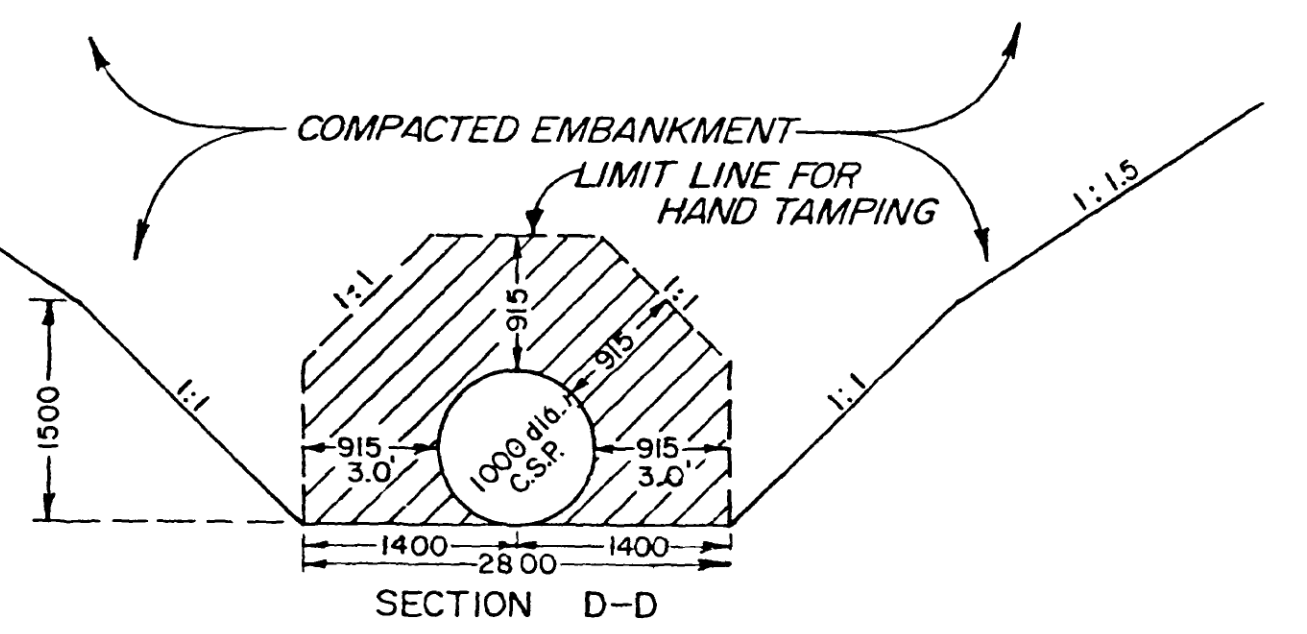
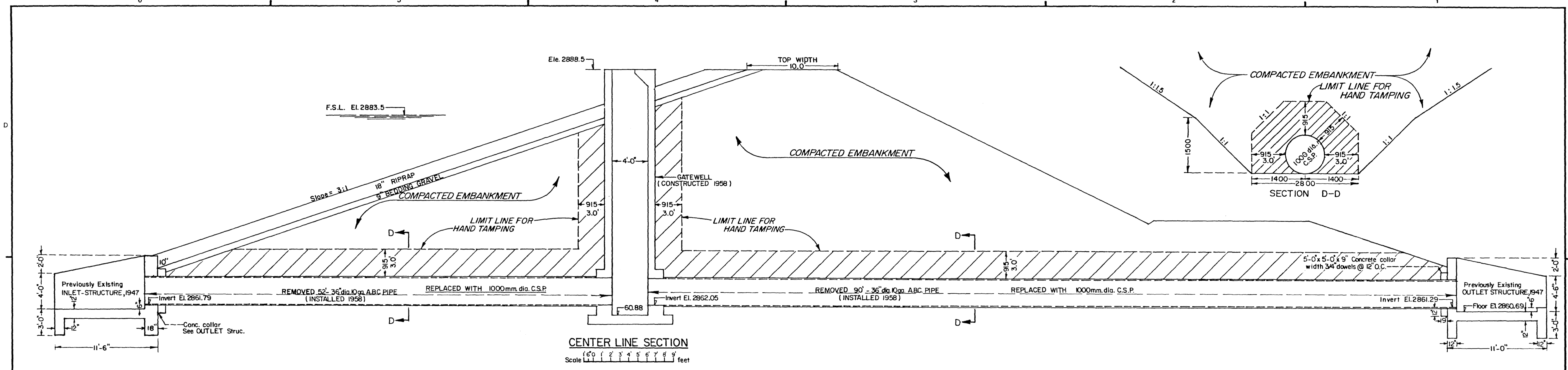
SCALE: HORIZ. - 1" = 10'
 VERT. - 1" = 5'

- NOTES:**
- SURVEYED BY J.G. SMITH
 - DATE OF SURVEY - MAY, JUNE & AUG. 1971.
 - FIELD BOOKS - 11-2-1, 11-2-2 & 11-2-3.
 - ALL ELEVATIONS SHOWN ARE TO GEODETIC DATUM, DERIVED FROM P.F.R.A. B.M. No. 2000, EL. 2888.62, LOCATED 780' SOUTH AND 135' EAST OF THE N.E. 1/4 SEC. 35-9-28 W3, RELATED TO GEODETIC B.M. No. 817C, EL. 2509.37, LOCATED IN WAR MEMORIAL PLOT IN MAPLE CREEK, AND GEODETIC B.M. No. 147C, EL. 2506.38, LOCATED ALONG C.P.R. LINE 3-1/2 MILES WEST OF MAPLE CREEK STATION.
 - REFER TO DRAWING NO. 91865 FOR RESERVOIR TOPOGRAPHY, FLOODED AREA AND CAPACITY CURVE AND REFERENCED SEDIMENTATION CROSS SECTION LOCATIONS.
 - REFER TO DRAWING NO. 91867 FOR REFERENCED SEDIMENTATION CROSS SECTIONS
 - REFER TO DRAWING NO. C9482 FOR THE GENERAL AND DETAIL PLAN OUTLET CONTROL.
 - REFER TO DRAWING NOS. C27366, C45226, AND C96119 FOR INLET CONTROL STRUCTURE DETAILS.
 - REFER TO DRAWING No. RW202, REG'D PLAN No. CR4452, FOR RIGHT-OF-WAY DETAILS.

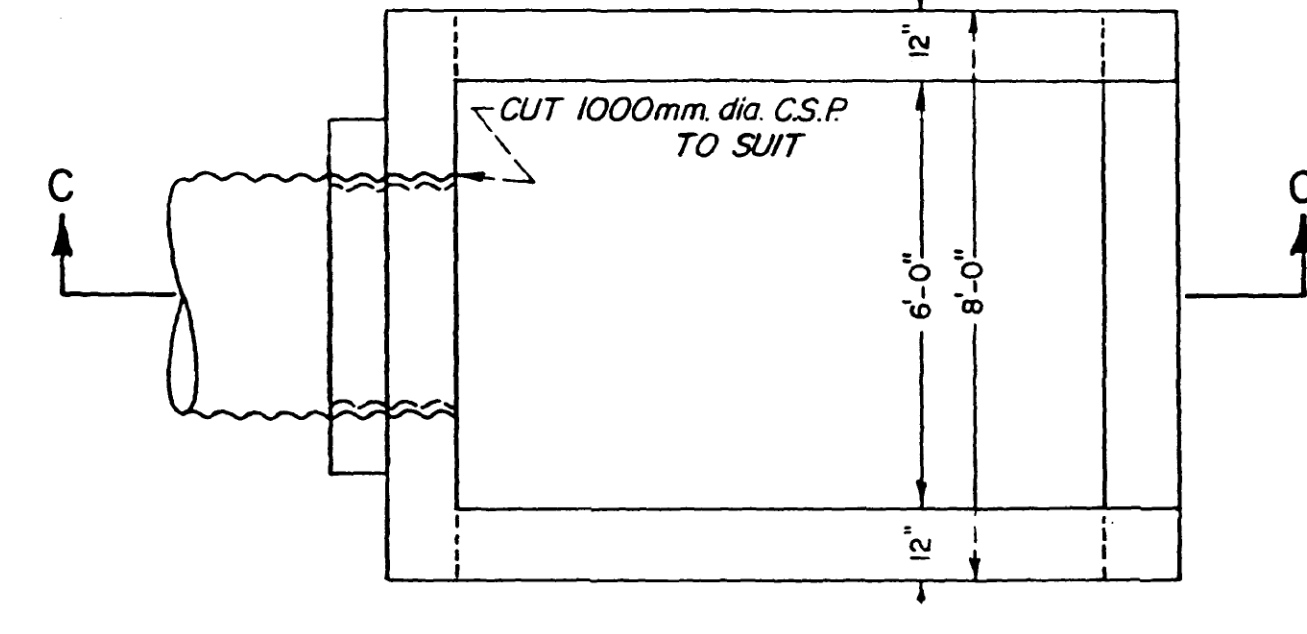
THE DETAILS SHOWN ON THIS DRAWING REPRESENT EXISTING CONDITIONS AS OF THE DATE OF SURVEY - MAY, JUNE AND AUGUST 1971.

SIGNATURE: *[Signature]* DATE: MAR. 3/83

DESIGNED		CANADA		DOWNIE LAKE - MAPLE CREEK IRRIGATION PROJECT	
DRAWN		DEPARTMENT OF REGIONAL ECONOMIC EXPANSION		C PROFILES AND CROSS SECTIONS	
J.A.K.		P.F.R.A.		OF DAM AND DIKE	
TRACED		ENGINEERING SERVICE		SCALE AS SHOWN	
CHECKED		APPROVED		DATE DEC. 1971	
A.J.F.		<i>[Signature]</i>		SHEET 3 OF 5	
NATURE OF REVISION		DATE		91866	
DATE		DATE		DATE	
BY WHOM		CHIEF ENGINEER		DATE	



STEEL SCHEDULE						
Location	Mark	Nº	Shape	Size	Length	Total Length
UPSTREAM FACE GATEWELL	DB 2	19	STR.	20M	560	10 640
	UF 1	4	STR.	15M	1350	5 400
	UF 2	4	STR.	15M	1400	5 600
	UF 3	4	STR.	15M	850	3 400
DOWNSTREAM FACE GATEWELL	DB 1	19	STR.	20M	560	10 640
	DF 1	4	STR.	15M	1350	5 400
	DF 2	4	STR.	15M	1400	5 600
	DF 3	4	STR.	15M	850	3 400
DF 4	4	STR.	15M	865	3 460	
STEEL SUMMARY						
DESCRIPTION	LENGTH	WEIGHT (KG)				
15M BARS	35 720	56.1				
20M BARS	21 280	50.1				
TOTAL WEIGHT		106.2				



DESIGNED					SUBMITTED		Agriculture Canada		DOWNIE LAKE STORAGE PROJECT			
DRAWN					DATE		Prairie Farm Administration		DOWNIE LAKE DAM.			
CHECKED					APPROVED		Administration du Rétablissement agricole des Prairies		IRRIGATION OUTLET CONDUIT REPLACEMENT.			
MARK					DATE		SOIL AND WATER CONSERVATION		DETAILS & REINFORCING.			
GRID REF.					DATE		SCALE as shown		DATE		SHEET 3 OF 4	
NATURE OF REVISION					DATE		FEB, 1988		C113984			