

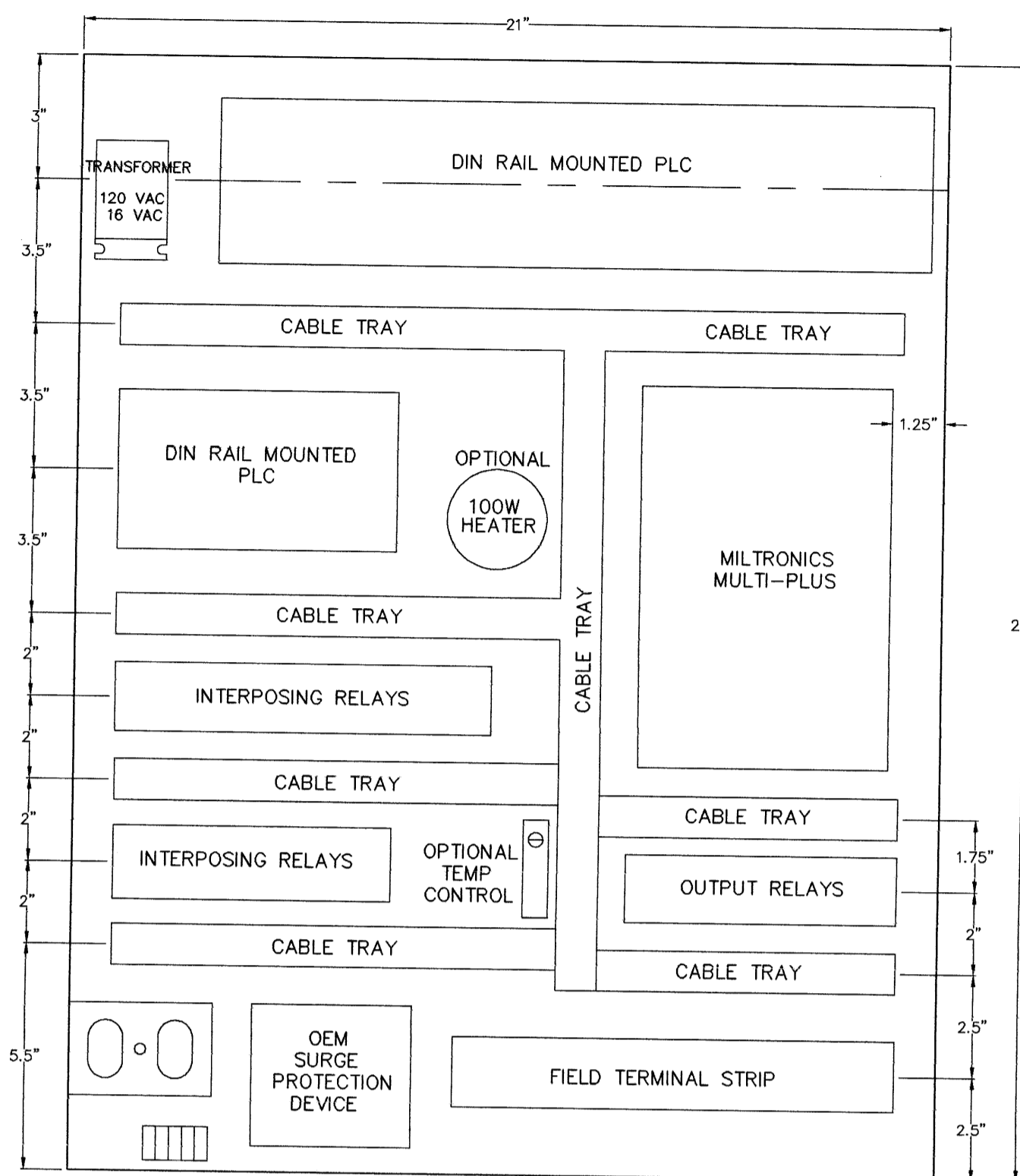
D:\DRAWINGS\LANDDRAN\FLOPUMP\97FSQ3 Mon Jul 07 13:13:11 1997

ALARM WIRING TEMPLATE

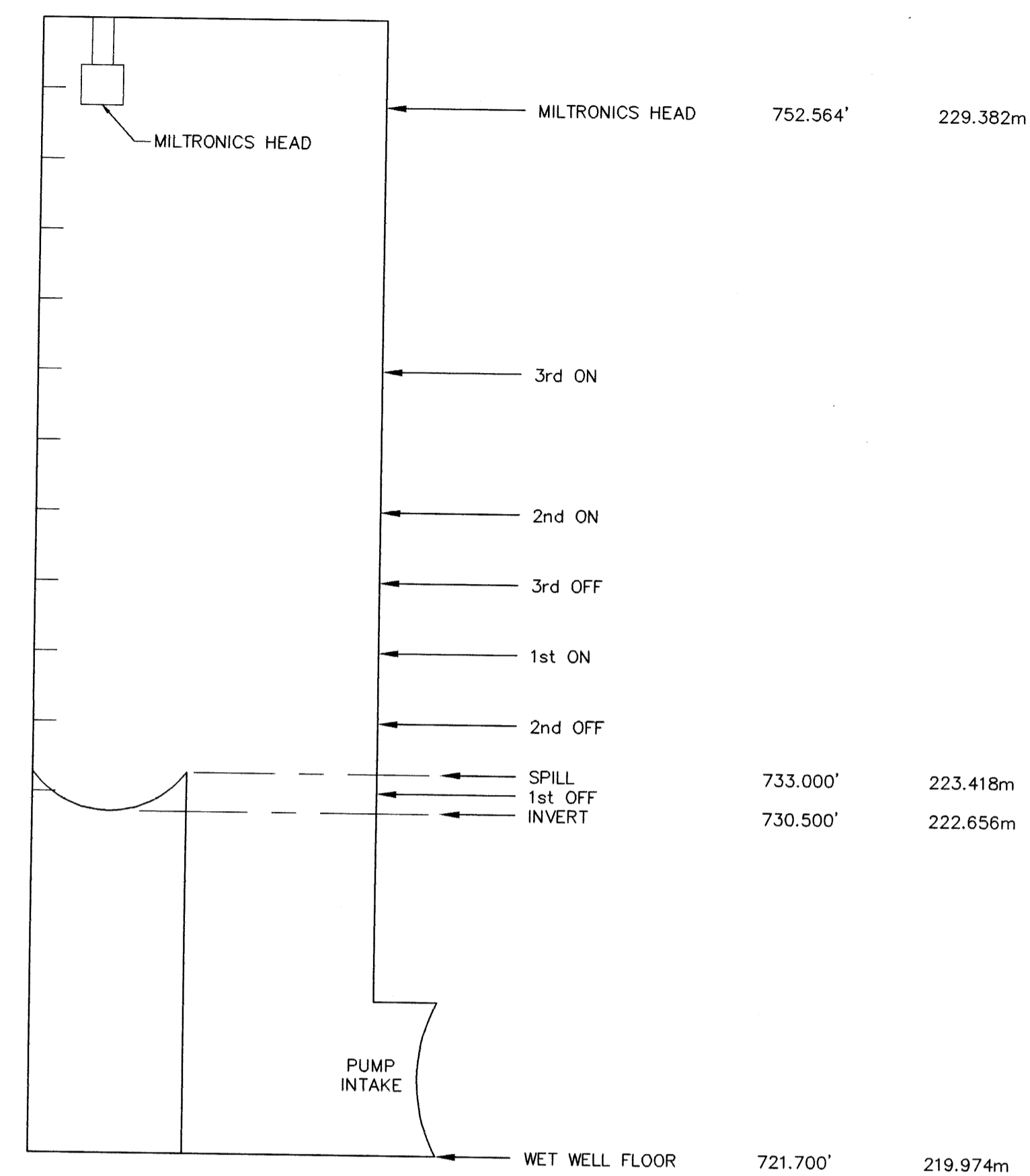
ALARM INPUT	DESCRIPTION	PLC ADDRESS	COLOR
ALARM INPUT 1	LOCKOUT	10001	BLUE
ALARM INPUT 2	OVERFLOW	10002	BLUE/WHITE
ALARM INPUT 3	STATION FLOOD	10003	BLUE/RED
ALARM INPUT 4	LOW INSTR. AIR	10004	BLUE/BLACK
ALARM INPUT 5	LOW TEMP.	10005	RED
ALARM INPUT 6	LOSS OF SEAL WATER	10006	RED/BLACK
ALARM INPUT 7	GENERATOR RUN	10007	RED/WHITE
ALARM INPUT 8	POWER FAILURE	10008	ORANGE
ALARM INPUT 9	FLOOD STATION HIGH WET WELL	10009	ORANGE/RED
ALARM INPUT 10	FLOOD STATION FLOOD	10010	ORANGE/BLACK
ALARM INPUT 11	GENERATOR FAIL	10011	BLACK
ALARM INPUT 12	WET WELL UPPER	10012	BLACK/WHITE
ALARM INPUT 13	COM/PUMP FAILURE	10013	BLACK/RED
ALARM INPUT 14			GREEN
ALARM INPUT 15			GREEN/BLACK
ALARM INPUT 16			GREEN/WHITE

Any other types of alarms are to be wired to alarm inputs 14 through 16. Otherwise call the Metershop for further instructions.

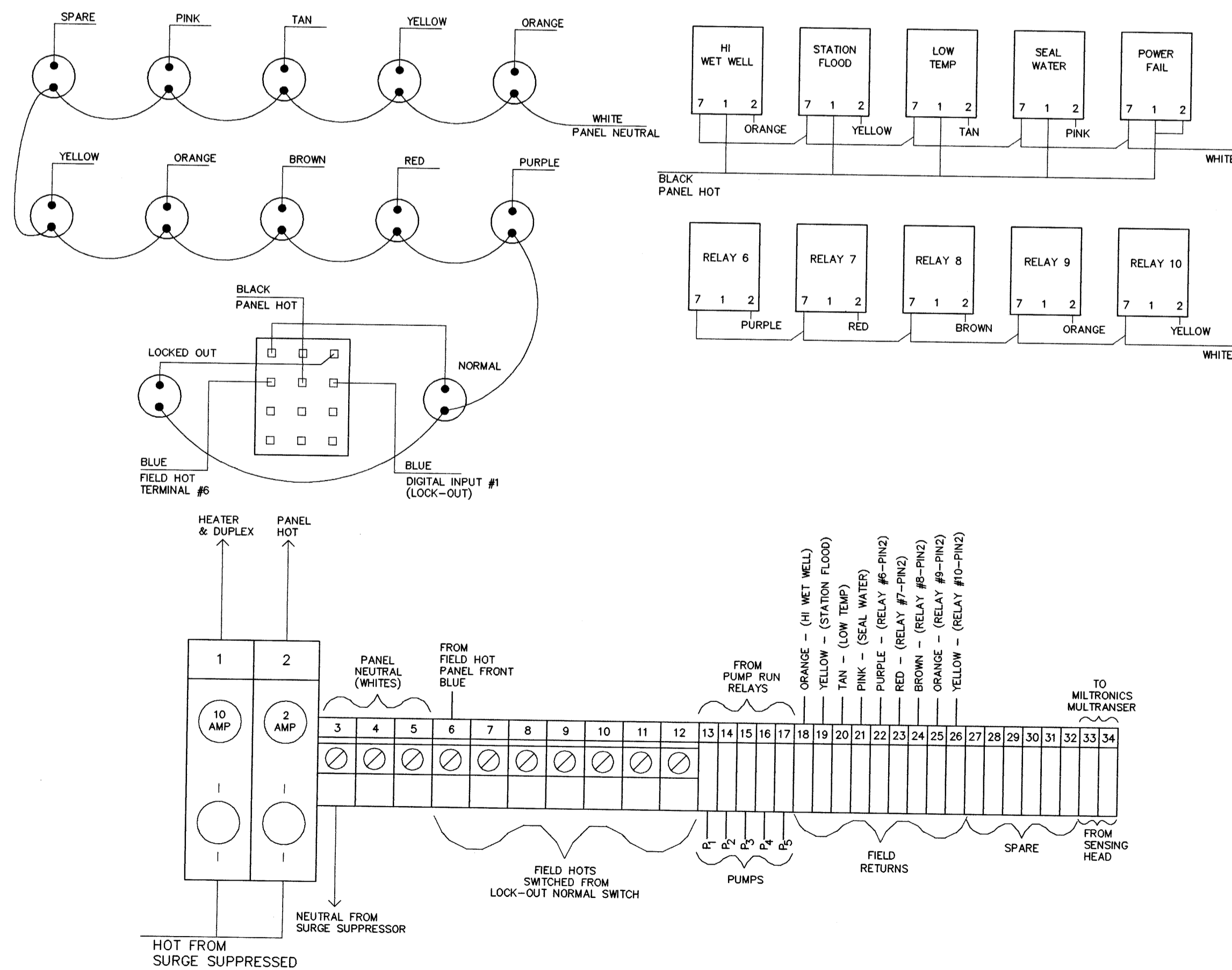
BACK PANEL LAYOUT



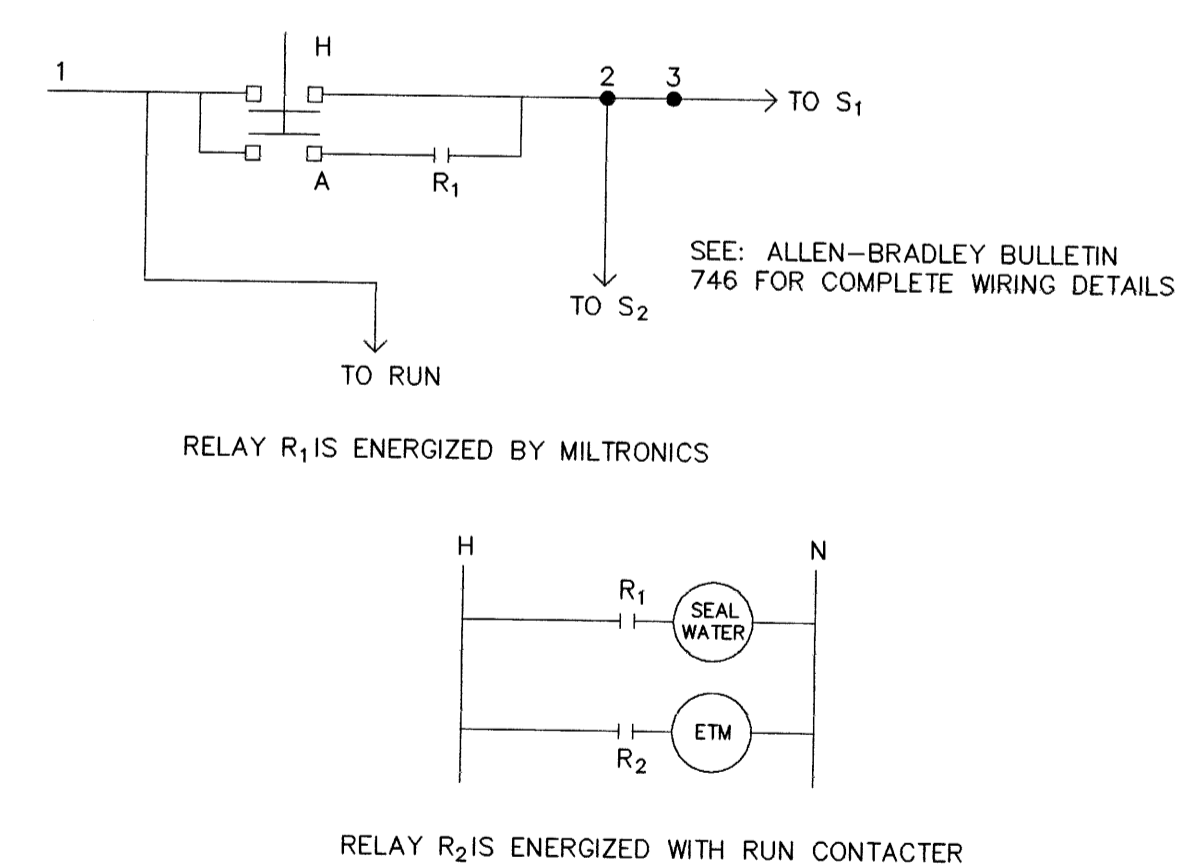
JESSIE



WIRING DIAGRAM

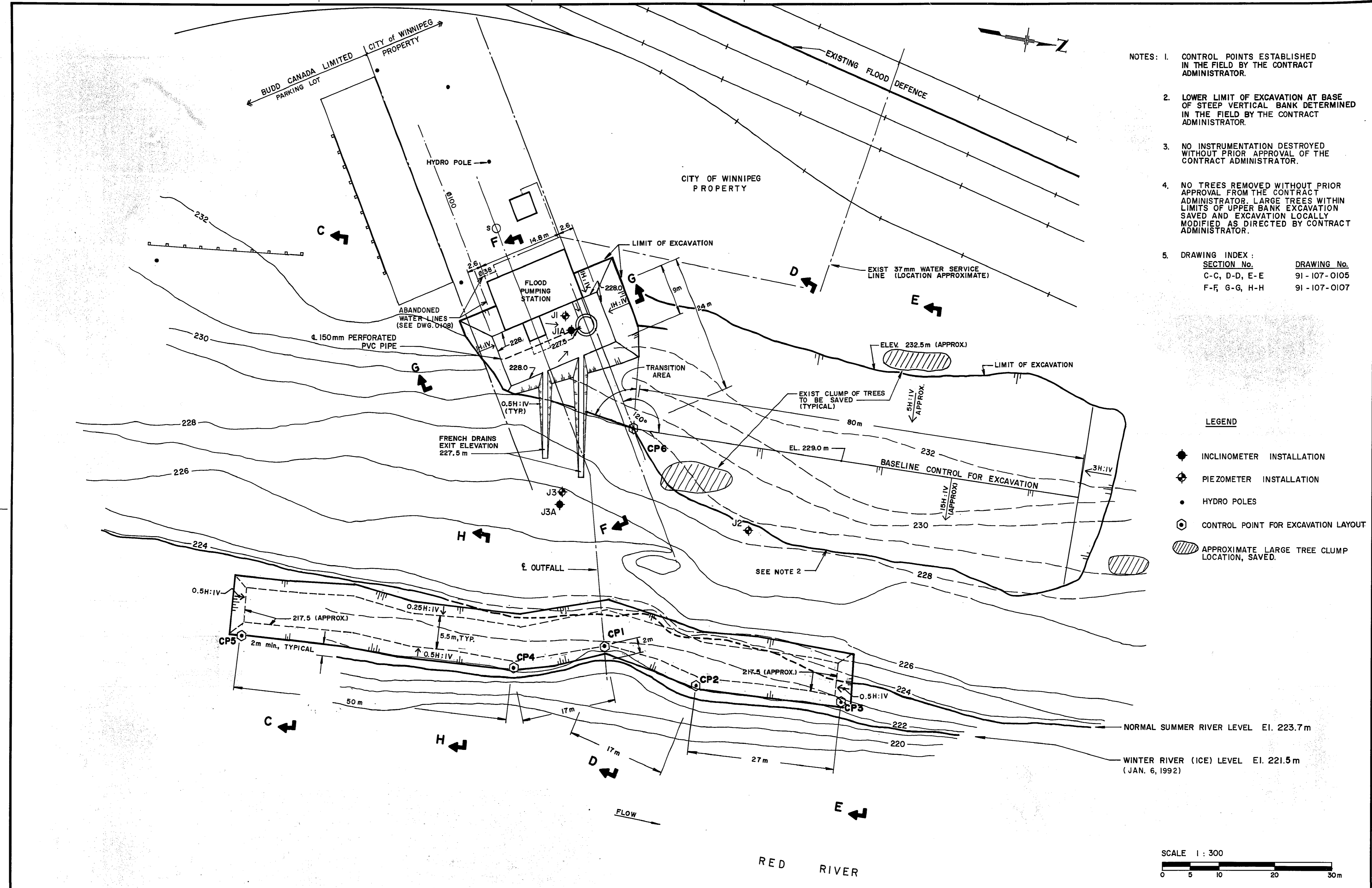


MOTOR STARTER MODIFICATION FOR HAND/AUTO CONTROL



B.M. ELEV.	FIELD BOOK #:	ENGINEER'S SEAL		<p>THE CITY OF WINNIPEG WORKS AND OPERATIONS DIVISION WATER AND WASTE DEPARTMENT</p>	SHEET OF
POSTED TO LBS		DESIGNED BY: DM	CHECKED BY:		JESSIE FLOOD STATION
		DRAWN BY: CSN	APPROVED BY:	ELECTRICAL AND CONTROL	97-FS-Q-3
		HR. SCALE: N.T.S.	RELEASED FOR CONSTRUCTION:		
		VERTICAL:	DATE: 1997 07 07		
NO. REVISIONS	DATE	BY	DATE	PLOT DATE: 1997 07 07	

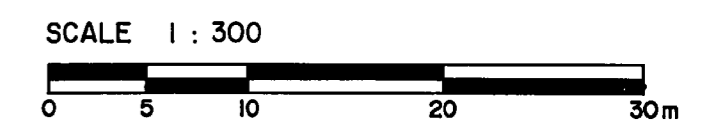
REF. or DRAWING No. **LD-1122**
FILE NO. **LD 10394**
DETAILS



- NOTES:
- CONTROL POINTS ESTABLISHED IN THE FIELD BY THE CONTRACT ADMINISTRATOR.
 - LOWER LIMIT OF EXCAVATION AT BASE OF STEEP VERTICAL BANK DETERMINED IN THE FIELD BY THE CONTRACT ADMINISTRATOR.
 - NO INSTRUMENTATION DESTROYED WITHOUT PRIOR APPROVAL OF THE CONTRACT ADMINISTRATOR.
 - NO TREES REMOVED WITHOUT PRIOR APPROVAL FROM THE CONTRACT ADMINISTRATOR. LARGE TREES WITHIN LIMITS OF UPPER BANK EXCAVATION SAVED AND EXCAVATION LOCALLY MODIFIED AS DIRECTED BY CONTRACT ADMINISTRATOR.
 - DRAWING INDEX :

SECTION No.	DRAWING No.
C-C, D-D, E-E	91-107-0105
F-F, G-G, H-H	91-107-0107

- LEGEND
- INCLINOMETER INSTALLATION
 - PIEZOMETER INSTALLATION
 - HYDRO POLES
 - CONTROL POINT FOR EXCAVATION LAYOUT
 - APPROXIMATE LARGE TREE CLUMP LOCATION, SAVED.



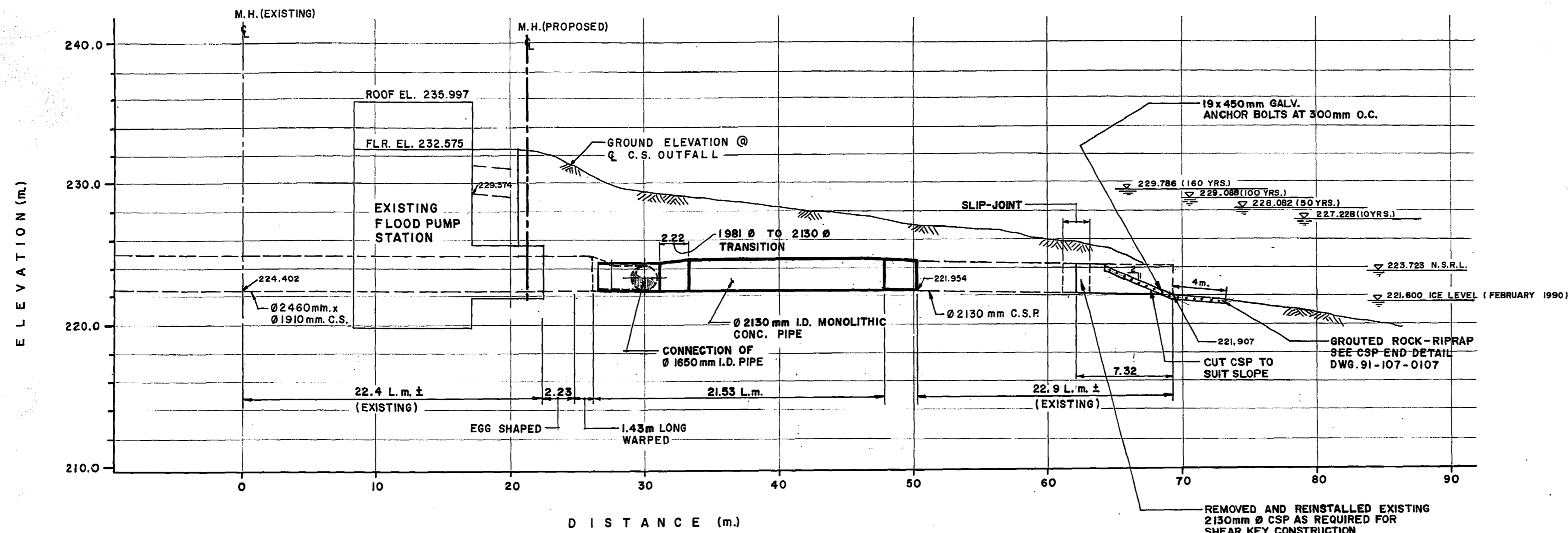
B.M. ELEV.	KGS CONSULTING ENGINEERS & PROJECT MANAGERS		ENGINEER'S SEAL	THE CITY OF WINNIPEG WORKS AND OPERATIONS DIVISION WATERWORKS WASTE & DISPOSAL DEPARTMENT
	DESIGNED BY M. J.	CHECKED BY R. K.	J. B. SMITH REGISTERED ENGINEER	
	DRAWN BY L.B.	APPROVED BY J.B.S.	CONSULTANT DRAWING NO. 91-107-0104	JESSIE AVE. WASTEWATER / FLOOD PUMPING STATION - RIVERBANK STABILIZATION
1 ISSUED FOR TENDER 0-26-91	HOR. SCALE: 1 : 300		RELEASED FOR CONSTRUCTION	CITY DRAWING NUMBER
0 ISSUED FOR INFORMATION 10-7-91	VERTICAL:		DATE OCTOBER 1991	SHEET 1 OF 1
APPROVED BY	NO. REVISIONS	DATE	DATE NOV. 20, 1991	EXCAVATION PLAN
				LD 1122

FILE # LD10394

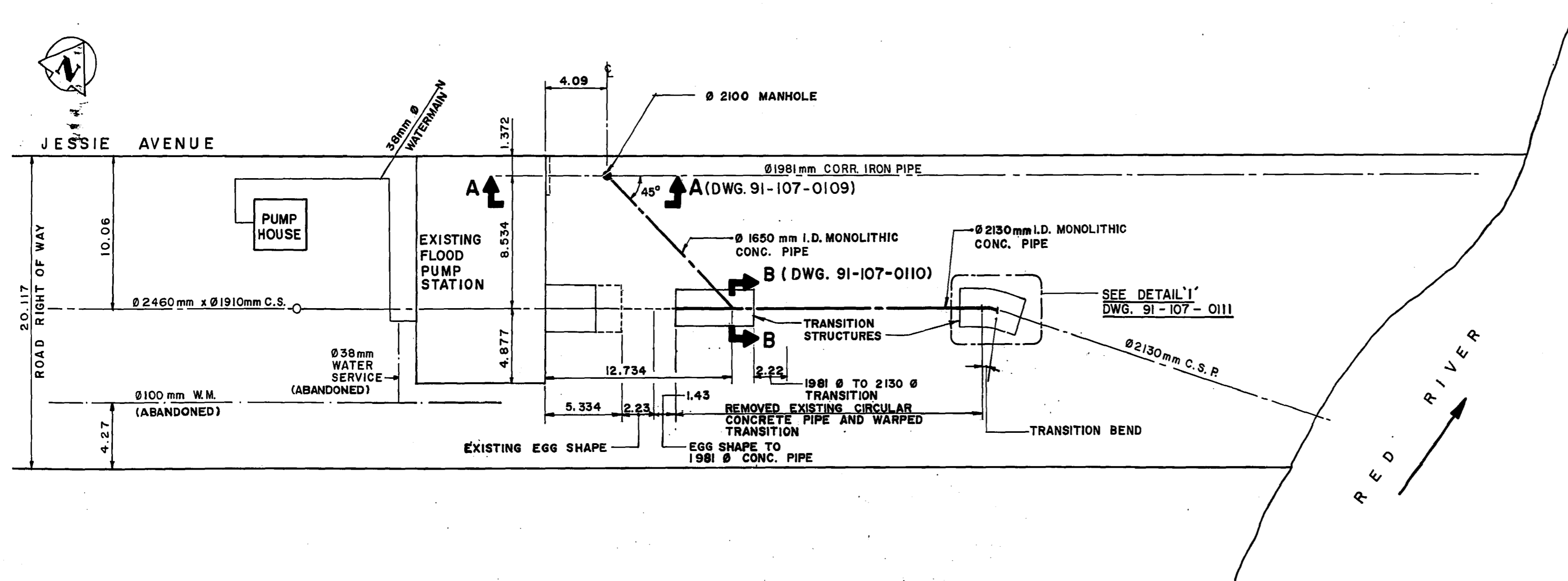
AZON CANADA
3130110300

REF. or DRAWING No. **LD-1126**
DETAILS FILE NO. **LD 10398**

NOTE:
PROVIDE MATERIALS AND EXECUTE CONSTRUCTION
IN ACCORDANCE WITH CITY OF WINNIPEG SPECIFICATIONS
CW 2030-R4, CW 2131-R3, CW 2150-R4,
AND CW 2160-R4.



PROFILE
SCALE: HOR. = 1: 200 m.
VERT. = 1: 200 m.



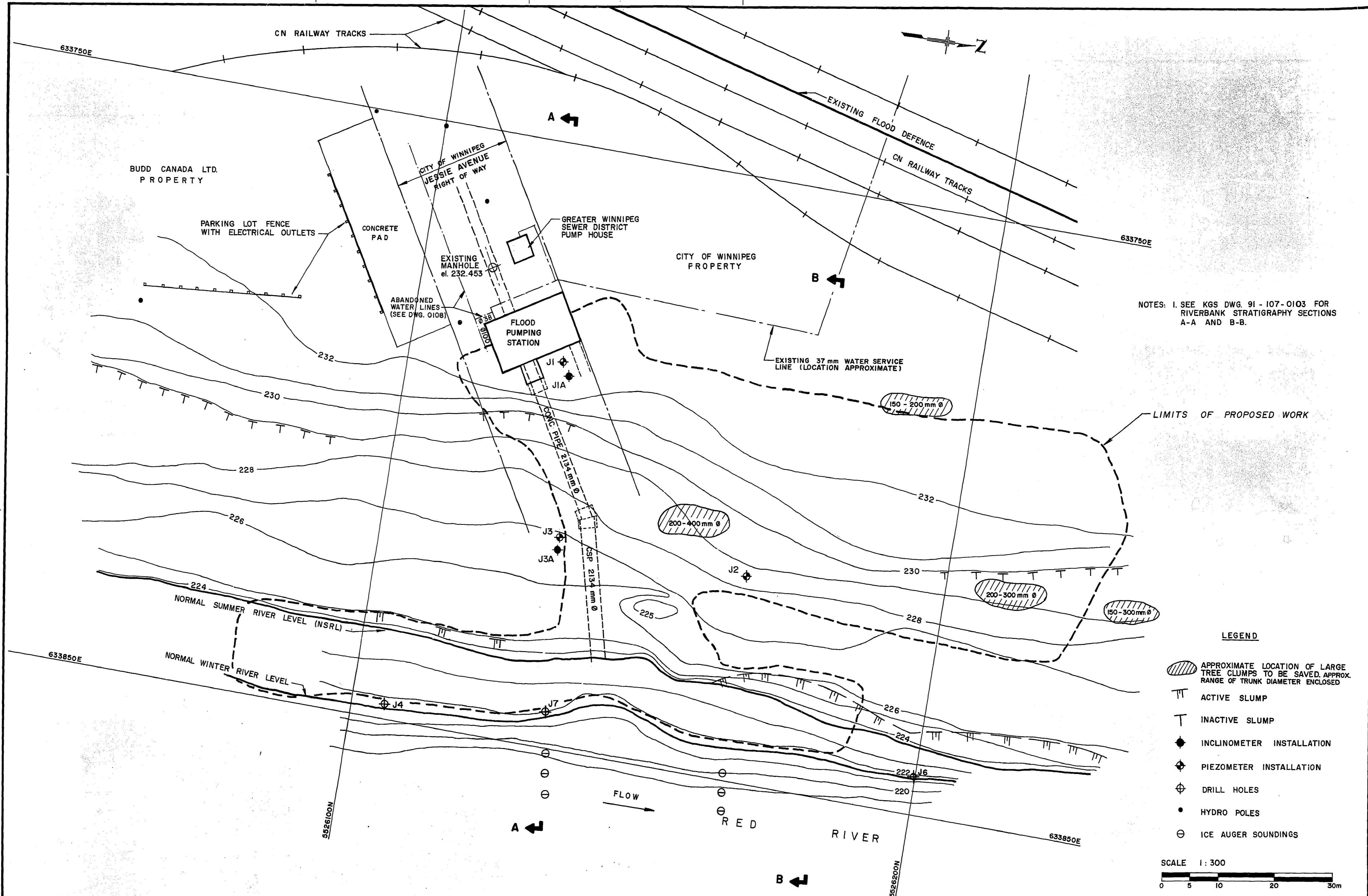
PLAN
1: 200m.

B.M. ELEV.	KGS GROUP CONSULTING ENGINEERS & PROJECT MANAGERS WINNIPEG THUNDER BAY		ENGINEER'S SEAL R. J. HOUSTON REGISTERED ENGINEER	THE CITY OF WINNIPEG WORKS AND OPERATIONS DIVISION WATERWORKS WASTE & DISPOSAL DEPARTMENT
DESIGNED BY B. H.	CHECKED BY R. H.	RELEASED FOR CONSTRUCTION <i>[Signature]</i>		JESSIE AVE. WASTEWATER/FLOOD PUMPING STATION - RIVERBANK STABILIZATION
DRAWN BY ESM	APPROVED BY J. B. S.	CONSULTANT DRAWING NO. 91-107-0108		CITY DRAWING NUMBER SHEET 1 OF 1
"AS CONSTRUCTED" 06-22-92		DATE OCTOBER, 1991		OUTFALL PLAN AND PROFILE
APPROVED BY <i>[Signature]</i>		DATE NOV. 20, 1991		LD 1126

FILE # LD 10398

REF. or DRAWING No. **LD-1120**
 DETAILS FILE NO. **LD 10392**

WO 101-84



NOTES: 1. SEE KGS DWG. 91-107-0103 FOR RIVERBANK STRATIGRAPHY SECTIONS A-A AND B-B.

LIMITS OF PROPOSED WORK

LEGEND

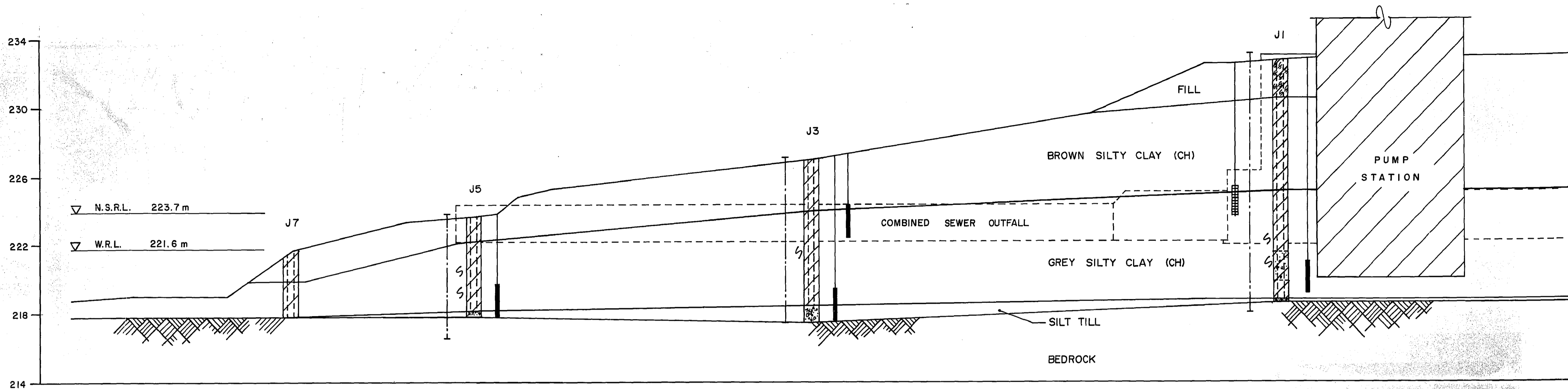
- APPROXIMATE LOCATION OF LARGE TREE CLUMPS TO BE SAVED, APPROX. RANGE OF TRUNK DIAMETER ENCLOSED
- ACTIVE SLUMP
- INACTIVE SLUMP
- INCLINOMETER INSTALLATION
- PIEZOMETER INSTALLATION
- DRILL HOLES
- HYDRO POLES
- ICE AUGER SOUNDINGS

SCALE 1:300
 0 5 10 20 30m

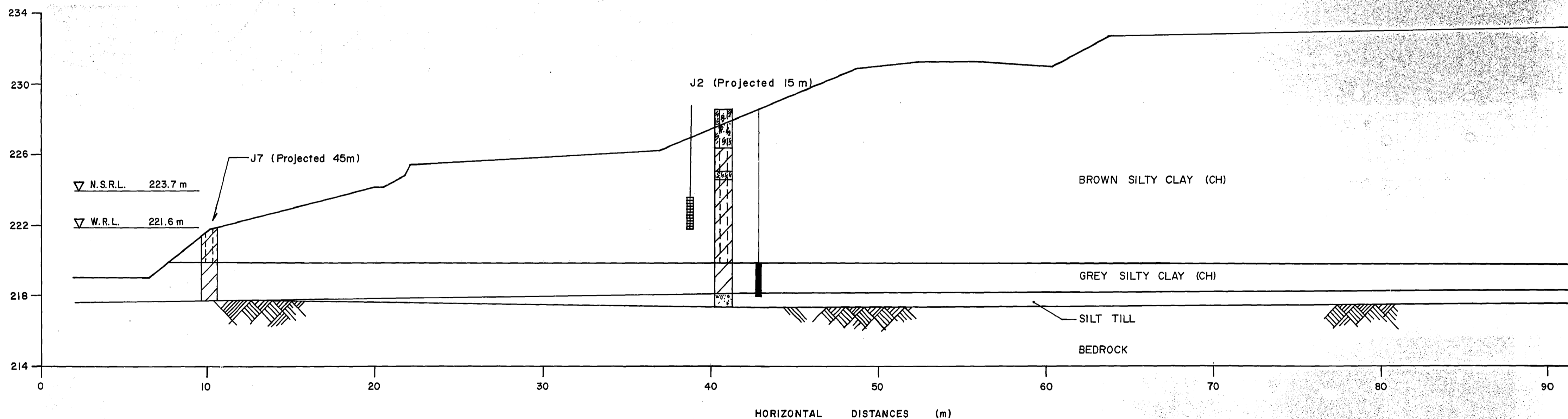
B.M. ELEV.		KGS CONSULTING ENGINEERS & PROJECT MANAGERS WINNIPEG THUNDER BAY		ENGINEER'S SEAL J. B. SMITH 21/10/91 REGISTERED ENGINEER		THE CITY OF WINNIPEG WORKS AND OPERATIONS DIVISION WATERWORKS WASTE & DISPOSAL DEPARTMENT	
DESIGNED BY	M. J.	CHECKED BY	R. K.	JESSIE AVE. WASTEWATER / FLOOD PUMPING STATION - RIVERBANK STABILIZATION		CITY DRAWING NUMBER	
DRAWN BY	L. B.	APPROVED BY	J. B. S.	RELEASED FOR CONSTRUCTION <i>[Signature]</i>		SHEET 1 OF 1	
"AS CONSTRUCTED" 06-22-92		NO. REVISIONS		CONSULTANT DRAWING NO. 91-107-0102		EXISTING SITE PLAN	
APPROVED BY		DATE		DATE		LD 1120	

FILE # LD 10392

REF. of DRAWING No. **LD-1121**
 FILE NO. **LD 10393**
 DETAILS



SECTION A-A

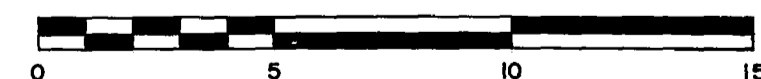


SECTION B-B

LEGEND :

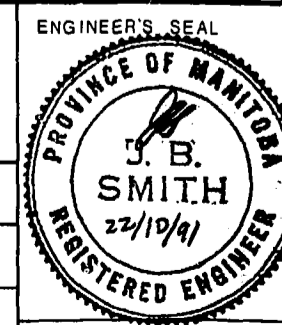
- N.S.R.L. NORMAL SUMMER RIVER LEVEL
- W.R.L. WINTER RIVER (ICE) LEVEL
- ZONE OF PNEUMATIC PIEZOMETER INSTALLATION
- ZONE OF CASAGRANDE PIEZOMETER INSTALLATION
- INCLINOMETER INSTALLATION
- SLICKENSIDED SURFACE

SCALE 1:125



B.M. ELEV.	
DESIGNED BY	M. J.
CHECKED BY	R. K.
DRAWN BY	L. B.
APPROVED BY	J. B. S.
ISSUED FOR TENDER	10-26-91
ISSUED FOR INFORMATION	10-7-91
NO. REVISIONS	
DATE	
BY	
DATE	OCTOBER 1991
DATE	Nov. 20, 1991

KGS GROUP CONSULTING ENGINEERS & PROJECT MANAGERS
WINNIPEG THUNDER BAY



THE CITY OF WINNIPEG
 WORKS AND OPERATIONS DIVISION
 WATERWORKS WASTE & DISPOSAL DEPARTMENT
 JESSIE AVE. WASTEWATER / FLOOD PUMPING STATION - RIVERBANK STABILIZATION

AS CONSTRUCTED 06-22-92
 APPROVED BY *[Signature]*

HOR. SCALE: VERTICAL:

RELEASED FOR CONSTRUCTION

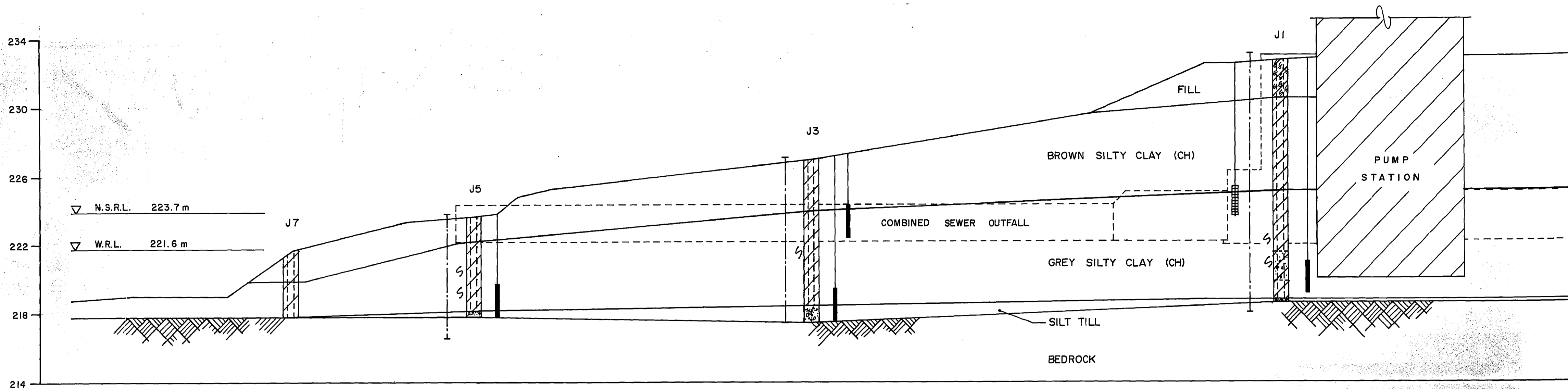
CONSULTANT DRAWING NO. 91-107-0103

RIVERBANK STRATIGRAPHY

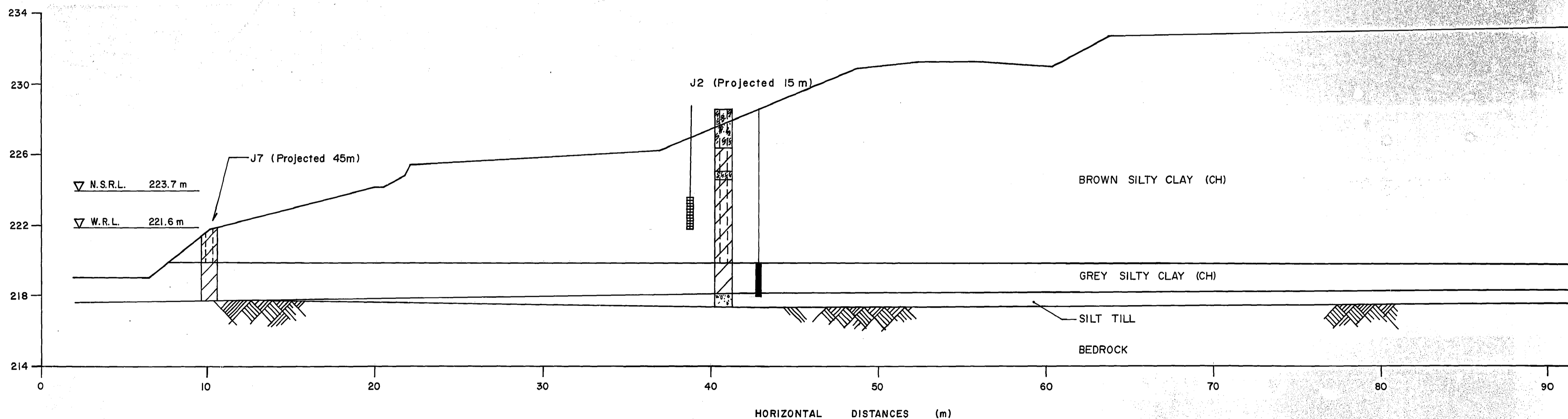
CITY DRAWING NUMBER SHEET 1 OF 1 LD 1121

LD 10393

REF. of DRAWING No. **LD-1121**
 FILE NO. **LD 10393**
 DETAILS



SECTION A-A

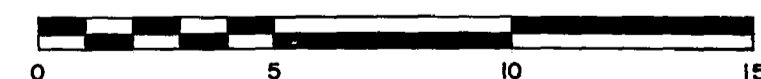


SECTION B-B

LEGEND :

- N.S.R.L. NORMAL SUMMER RIVER LEVEL
- W.R.L. WINTER RIVER (ICE) LEVEL
- ZONE OF PNEUMATIC PIEZOMETER INSTALLATION
- ZONE OF CASAGRANDE PIEZOMETER INSTALLATION
- INCLINOMETER INSTALLATION
- SLICKENSIDED SURFACE

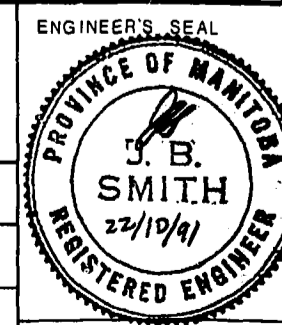
SCALE 1:125



B.M. ELEV.	

KGS GROUP CONSULTING ENGINEERS & PROJECT MANAGERS
WINNIPEG THUNDER BAY

DESIGNED BY M. J. CHECKED BY R. K.
 DRAWN BY L. B. APPROVED BY J. B. S.



THE CITY OF WINNIPEG
 WORKS AND OPERATIONS DIVISION
 WATERWORKS WASTE & DISPOSAL DEPARTMENT
 JESSIE AVE. WASTEWATER / FLOOD PUMPING STATION - RIVERBANK STABILIZATION

AS CONSTRUCTED	06-22-92	0	ISSUED FOR TENDER	10-26-91			
APPROVED BY			ISSUED FOR INFORMATION	10-7-91			
		NO. REVISIONS	DATE	BY	DATE	DATE	
					OCTOBER 1991	DATE	

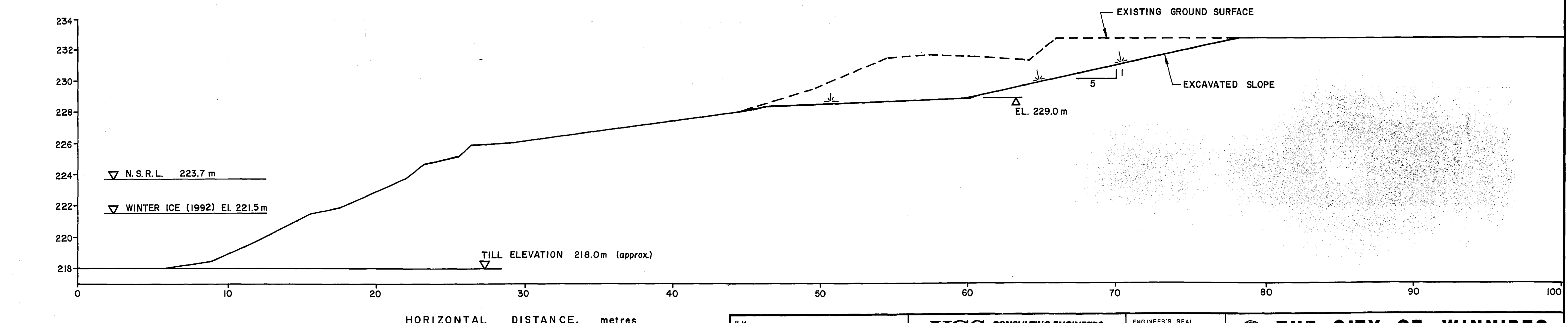
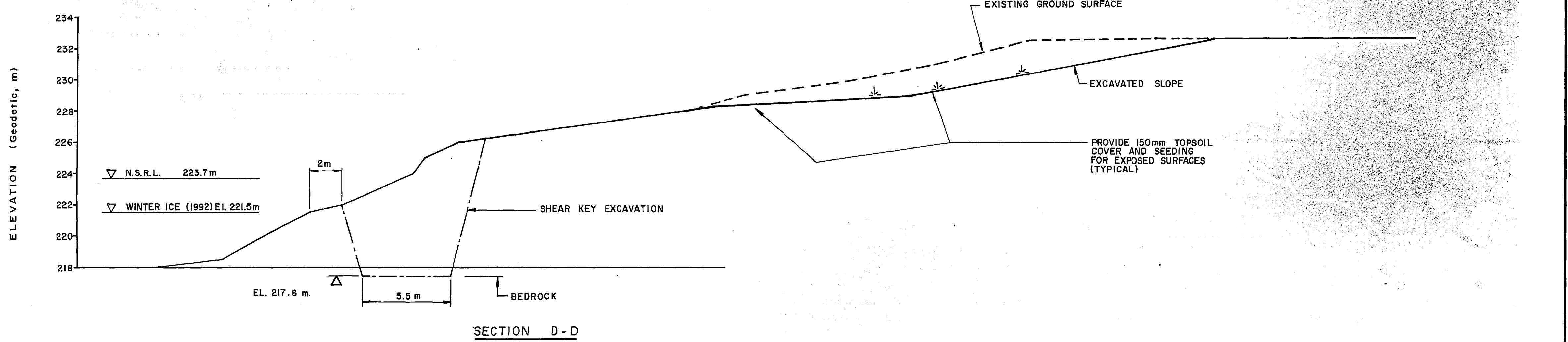
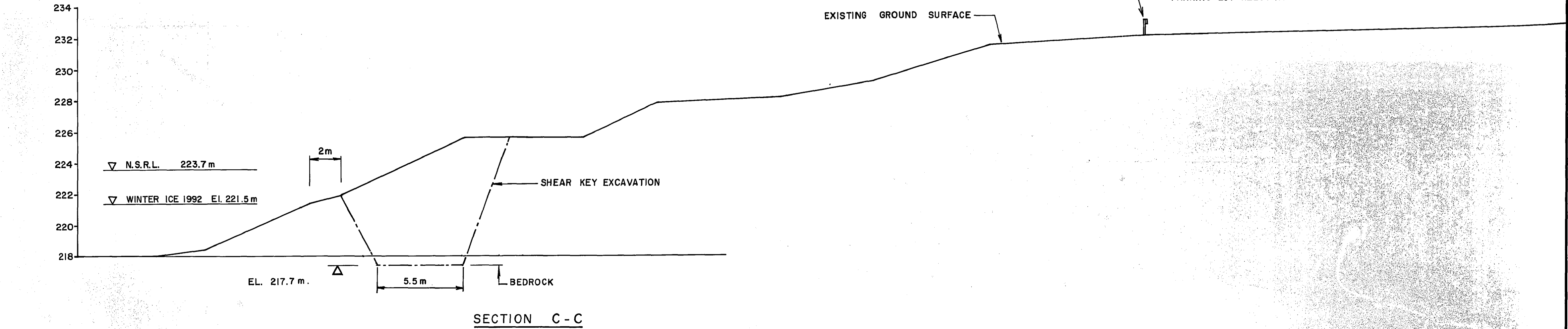
CONSULTANT DRAWING NO. 91-107-0103

RIVERBANK STRATIGRAPHY

LD 1121

LD 10393

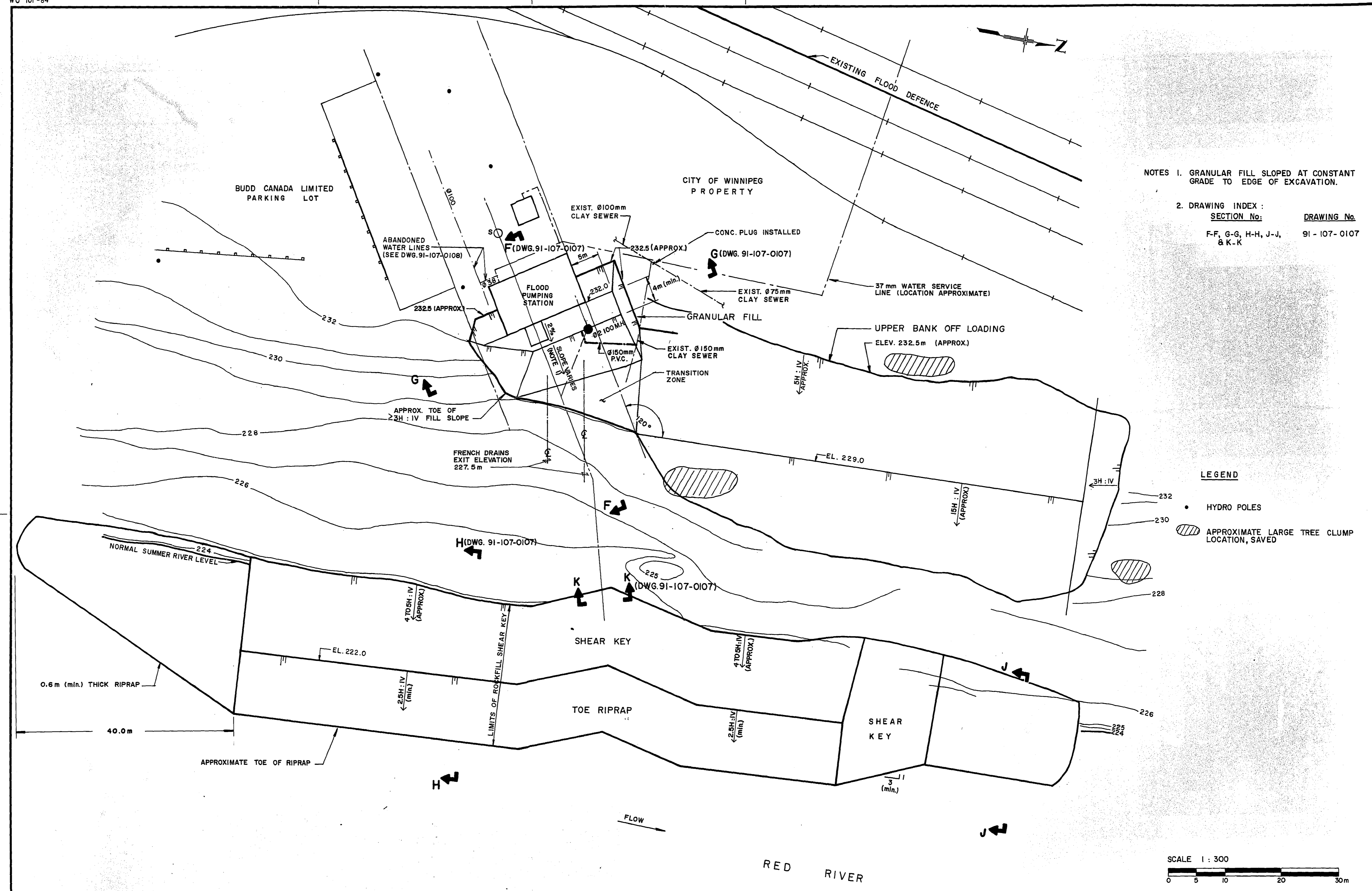
WO 101-84



NOTES: 1. CROSS-SECTIONS C-C, D-D, AND E-E, ABOVE, ARE LOCATED IN PLAN ON KGS DRAWING 91-107-0104.

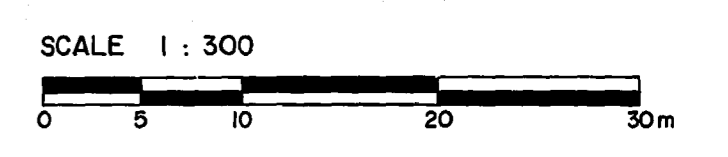
KGS GROUP CONSULTING ENGINEERS & PROJECT MANAGERS WINNIPEG THUNDER BAY		ENGINEER'S SEAL J. B. SMITH 22/19/91 REGISTERED ENGINEER	THE CITY OF WINNIPEG WORKS AND OPERATIONS DIVISION WATERWORKS WASTE & DISPOSAL DEPARTMENT JESSIE AVE. WASTEWATER / FLOOD PUMPING STATION - RIVERBANK STABILIZATION CITY DRAWING NUMBER
DESIGNED BY: M. J.	CHECKED BY: R. K.	SHEET 1 OF 1	
DRAWN BY: L. B.	APPROVED BY: J. B. S.	BANK EXCAVATION SECTIONS	
ISSUED FOR TENDER: 06-22-92	ISSUED FOR INFORMATION: 10-7-91	LD 1123	
AS CONSTRUCTED: 06-22-92	APPROVED BY: [Signature]	FILE # LD10395	

REF. or DRAWING No. **LD-1124**
FILE NO. **LD 10396**
DETAILS



NOTES 1. GRANULAR FILL SLOPED AT CONSTANT GRADE TO EDGE OF EXCAVATION.
2. DRAWING INDEX :
SECTION No. DRAWING No.
F-F, G-G, H-H, J-J, 91-107-0107
& K-K

LEGEND
• HYDRO POLES
○ APPROXIMATE LARGE TREE CLUMP LOCATION, SAVED

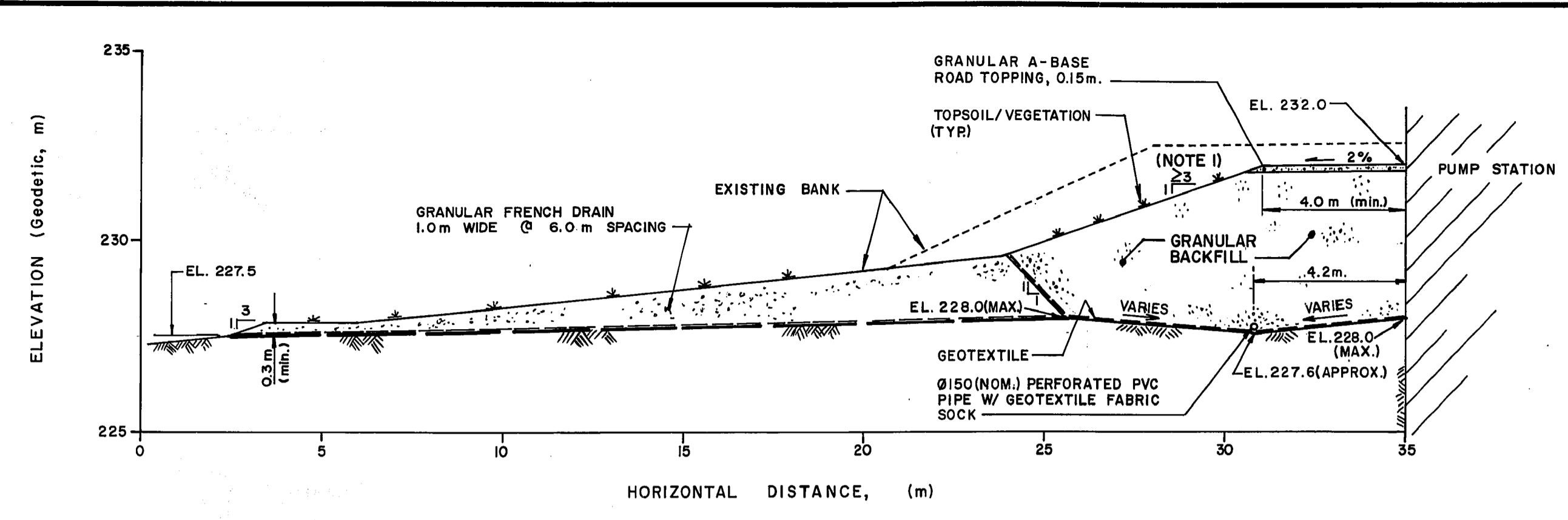


B.M. ELEV.		KGS GROUP CONSULTING ENGINEERS & PROJECT MANAGERS WINNIPEG THUNDER BAY		ENGINEER'S SEAL PROVINCE OF MANITOBA B. SMITH 22/10/91 REGISTERED ENGINEER		THE CITY OF WINNIPEG WORKS AND OPERATIONS DIVISION WATERWORKS WASTE & DISPOSAL DEPARTMENT	
DESIGNED BY	M. J.	CHECKED BY	R. K.	JESSIE AVE. WASTEWATER / FLOOD PUMPING STATION - RIVERBANK STABILIZATION		CITY DRAWING NUMBER	
DRAWN BY	L. B.	APPROVED BY	J. B. S.	RELEASED FOR CONSTRUCTION		SHEET OF	
"AS CONSTRUCTED"		06-22-92	0	HOR. SCALE: 1 : 300		CONSULTANT DRAWING NO.	
APPROVED BY		NO. REVISIONS	DATE	DATE	OCTOBER 1991	91-107-0106	
		ISSUED FOR TENDER	0-26-91	VERTICAL:		FINAL GRADING PLAN	
		ISSUED FOR INFORMATION	10-7-91			LD 1124	

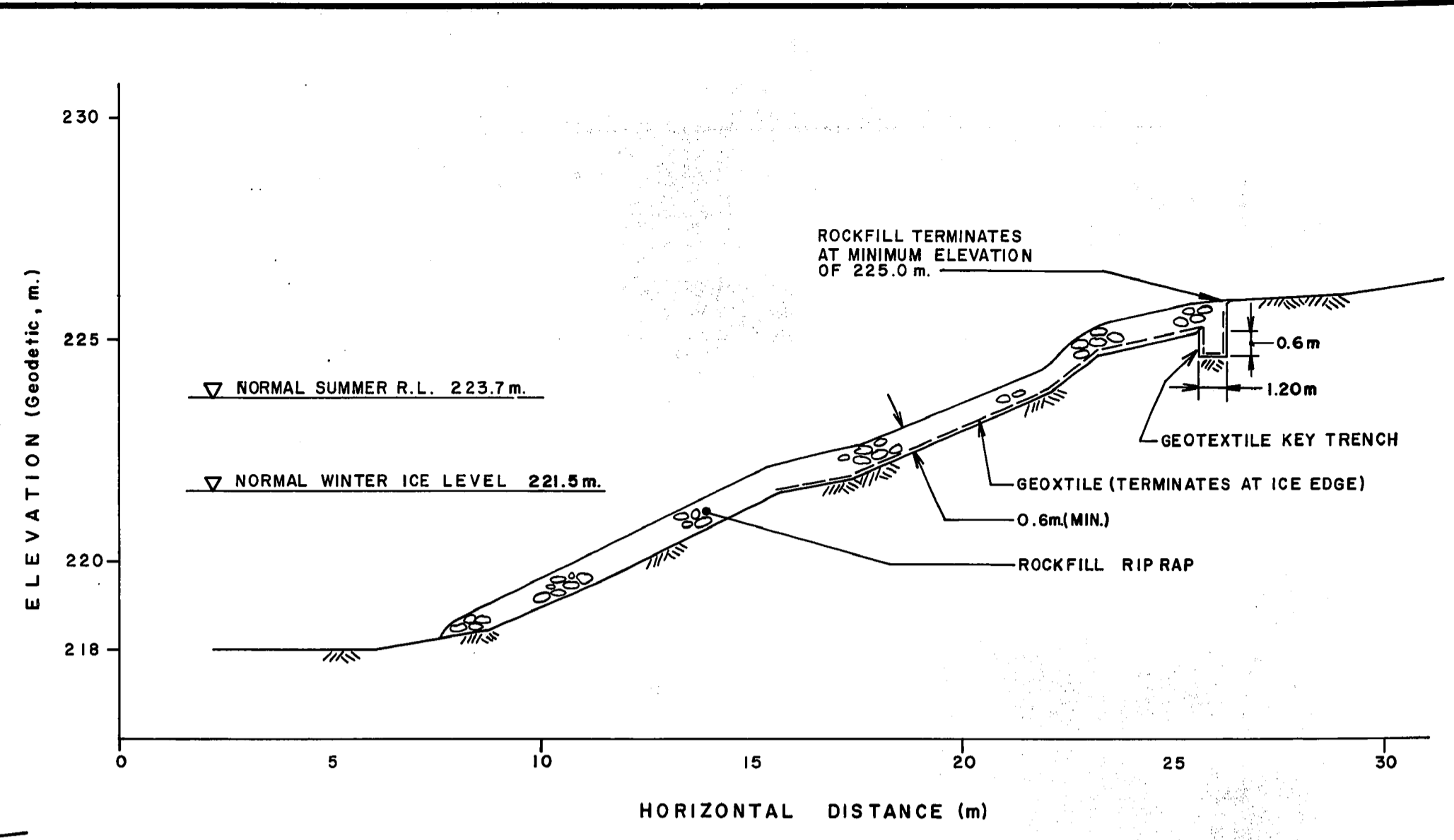
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DETAILS: FILE No. **LD 10397**

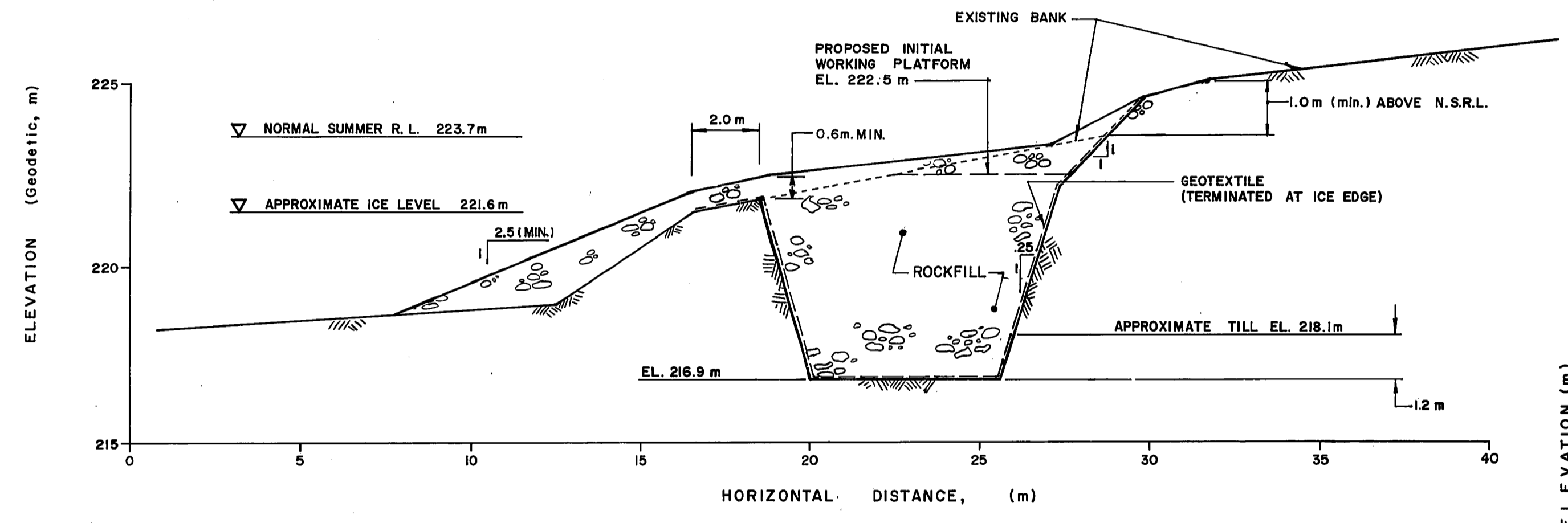
WO 101-84



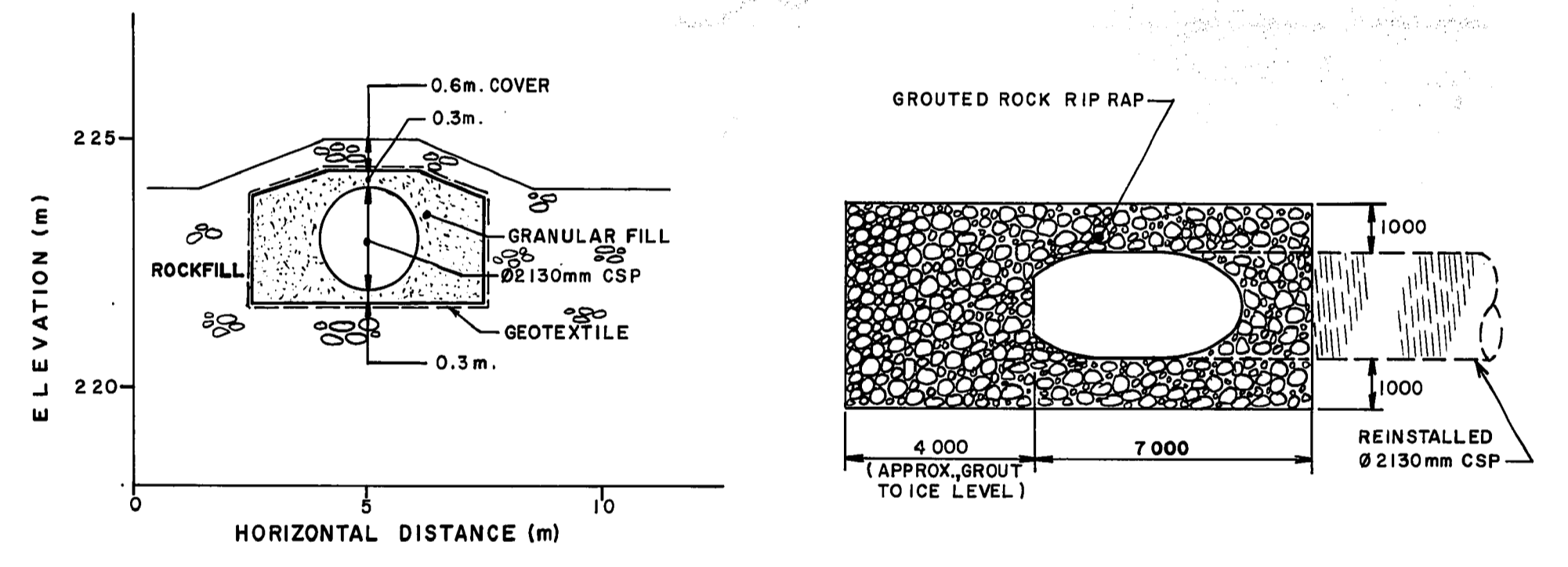
SECTION F-F (DWG. 91-107-0104)



SECTION J-J (DWG. 91-107-0106)

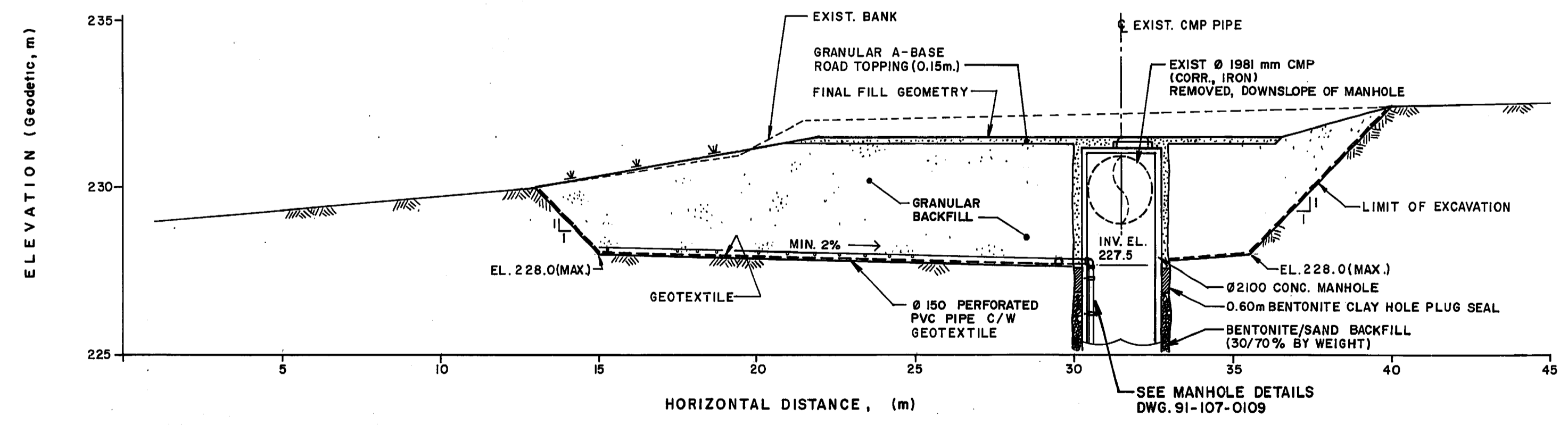


SECTION H-H (TYPICAL) (DWG. 91-107-0104)



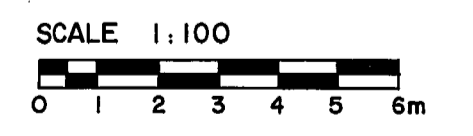
SECTION K-K (DWG. 91-107-0106)

CSP END DETAIL
1:100



SECTION G-G (DWG. 91-107-0104)

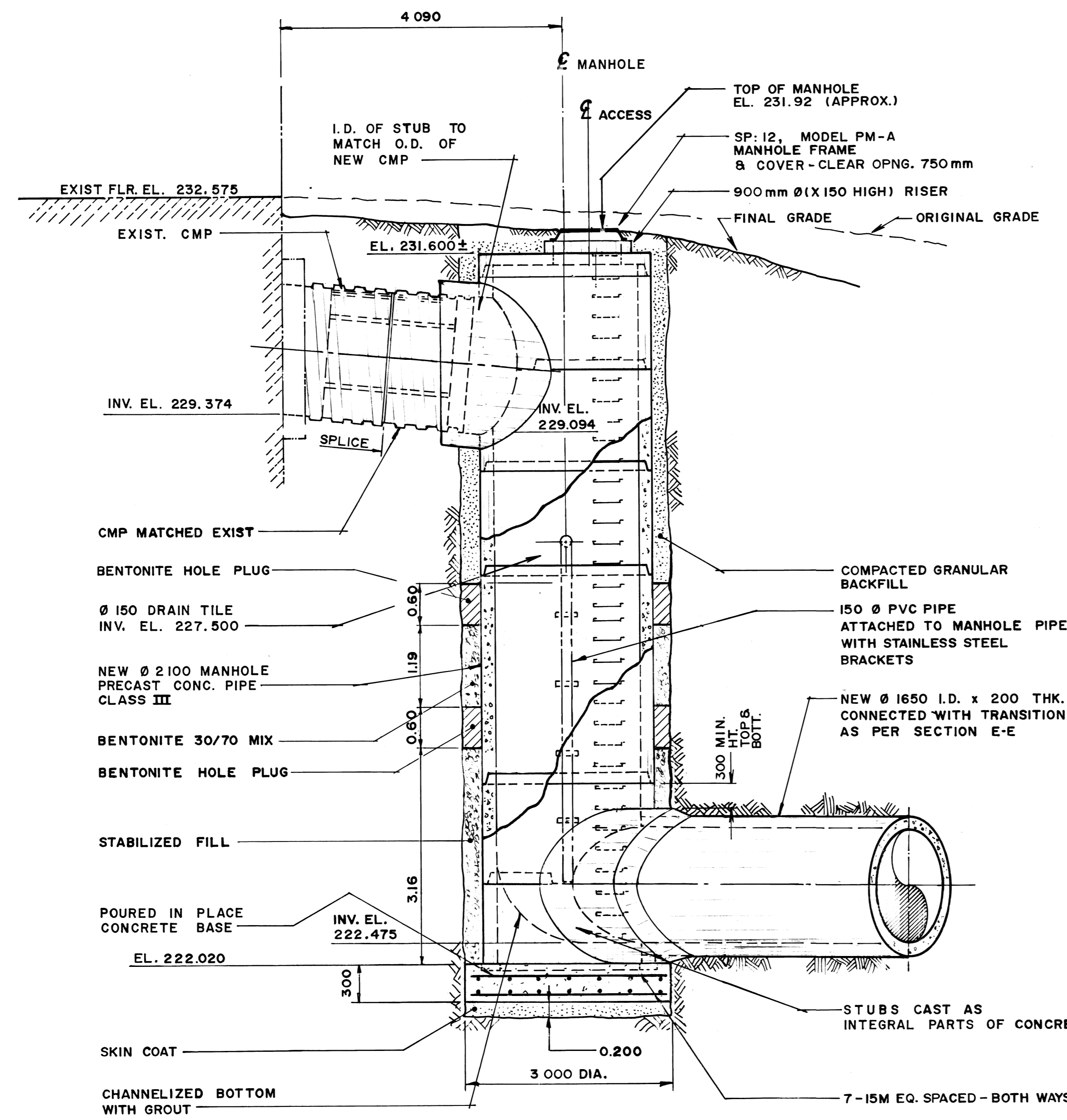
NOTE: SLOPE BACKFILL TO EDGE OF EXCAVATION AT $\geq 3H:1V$.



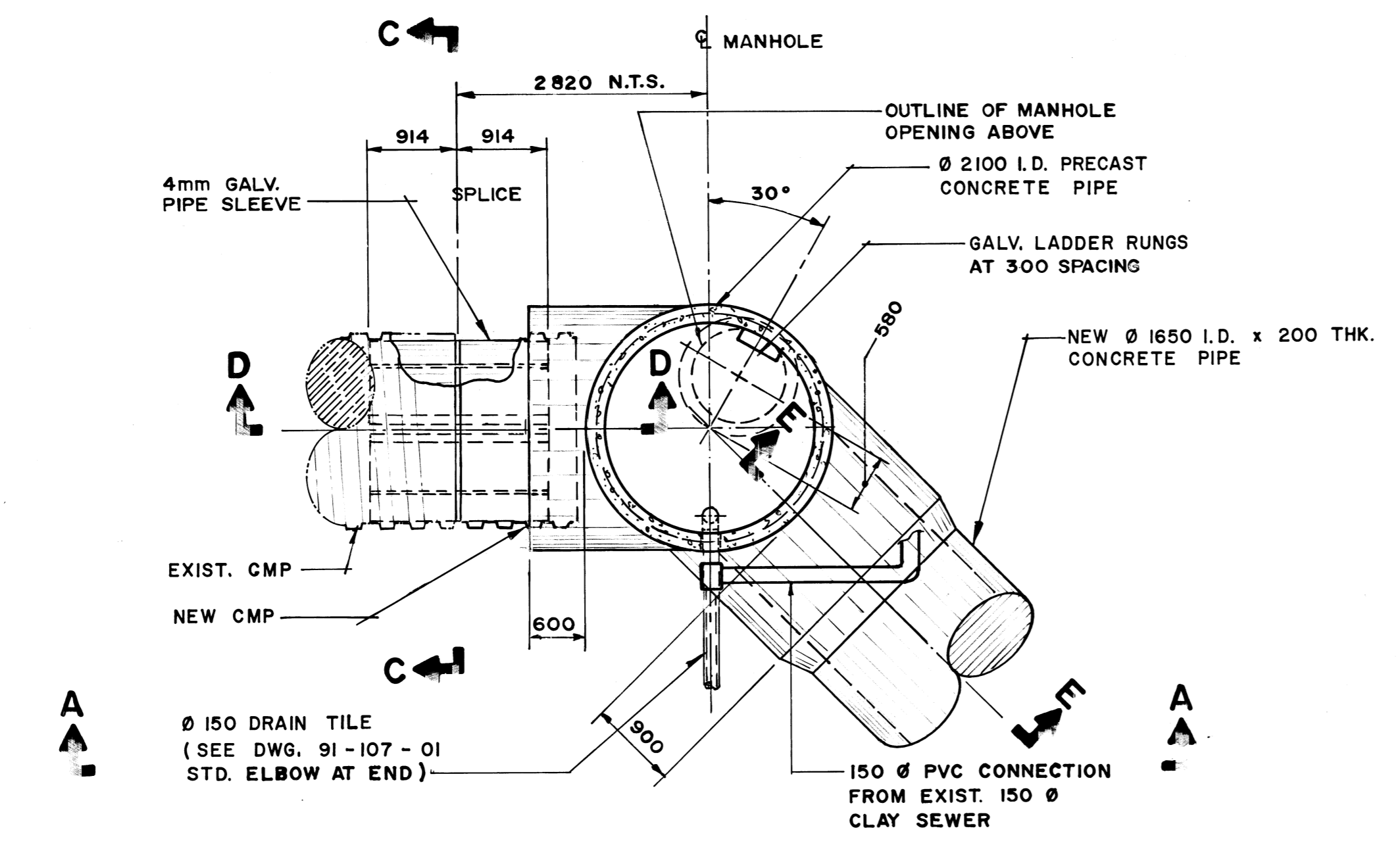
<p>B.M. ELEV.</p>		<p>KGS GROUP CONSULTING ENGINEERS & PROJECT MANAGERS WINNIPEG THUNDER BAY</p>		<p>ENGINEER'S SEAL PROVINCE OF MANITOBA B. SMITH REGISTERED ENGINEER 2440/91</p>		<p>THE CITY OF WINNIPEG WORKS AND OPERATIONS DIVISION WATERWORKS WASTE & DISPOSAL DEPARTMENT</p>	
DESIGNED BY	M.J.	CHECKED BY	R.K.	<p>JESSIE AVE. WASTEWATER/FLOOD PUMPING STATION - RIVERBANK STABILIZATION</p>		<p>CITY DRAWING NUMBER</p>	
DRAWN BY	ESM/LB	APPROVED BY	J.B.S.	<p>RELEASER FOR CONSTRUCTION <i>Ron Smith</i></p>		<p>SHEET 1 OF 1</p>	
<p>1 ISSUED FOR TENDER 0-26-91</p>		<p>0 ISSUED FOR INFORMATION 10-7-91</p>		<p>HOR. SCALE: 1:100 VERTICAL: 1:100</p>		<p>EXCAVATION AND BACKFILL SECTIONS</p>	
APPROVED BY	<i>[Signature]</i>	NO. REVISIONS	DATE	DATE	OCTOBER, 1991	DATE	10-20-91
				<p>CONSULTANT DRAWING NO. 91-107-0107</p>		<p>LD 1125</p>	

FILE# LD 10397

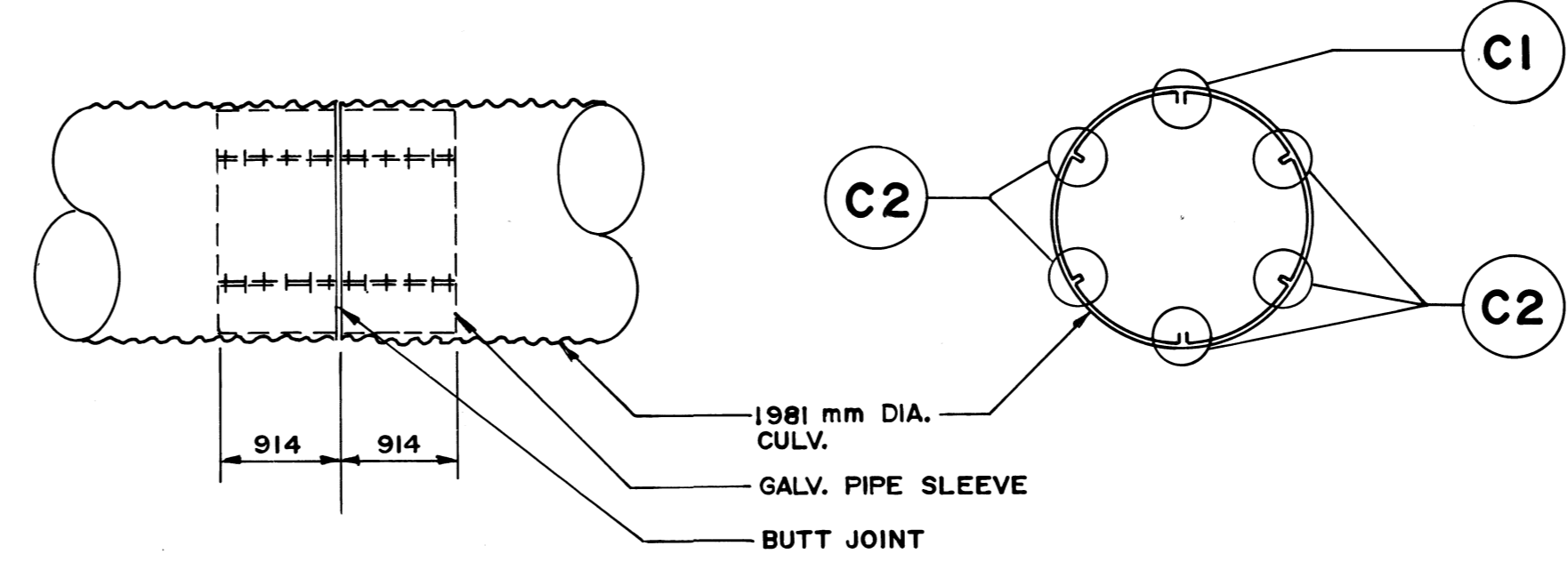
REF. or DRAWING No. **LD-1127**
DETAILS FILE No. **LD10399**



SECTION A-A (DWG. 91-107-0108)
1:50

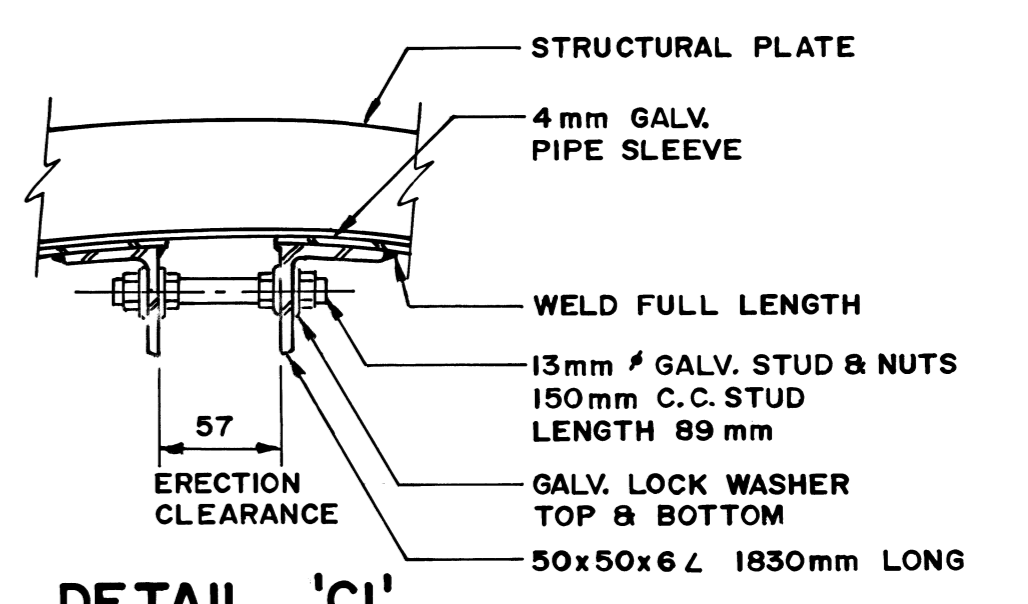


PLAN - MANHOLE
1:50

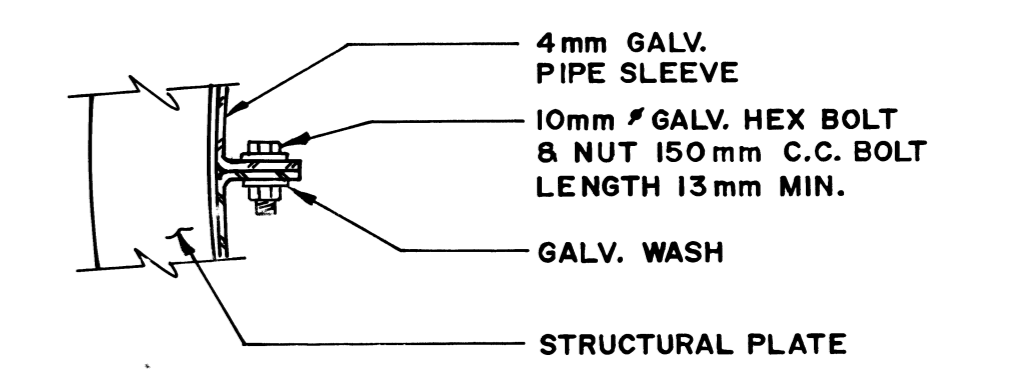


ELEVATION SECTION C-C

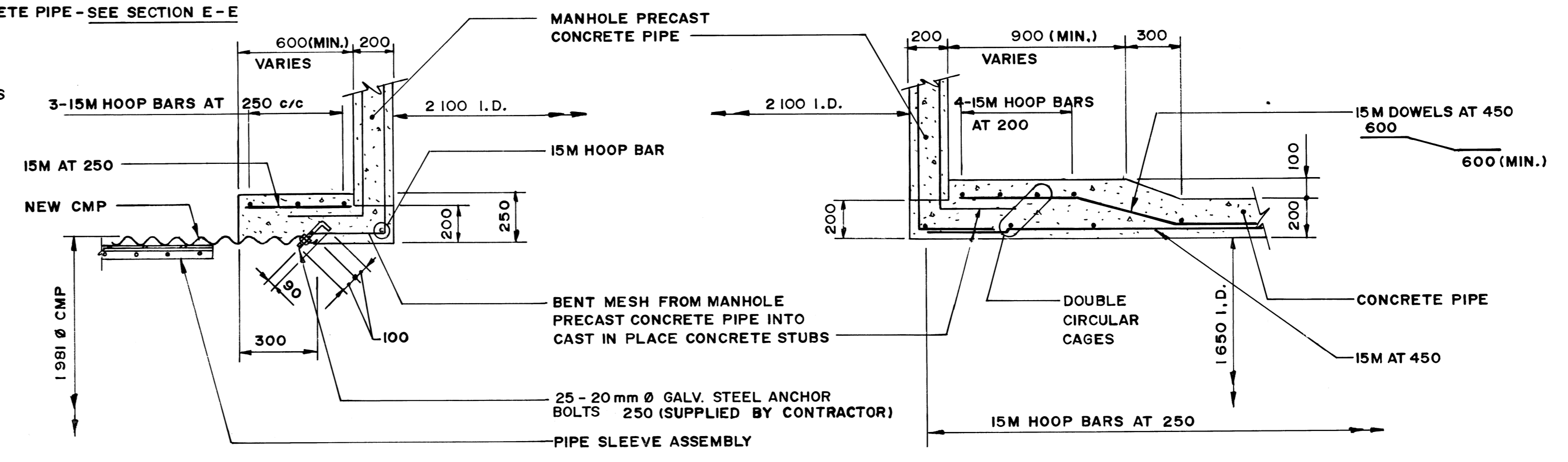
SLIP JOINT DETAILS



DETAIL 'C1'
N.T.S.



DETAIL 'C2'
N.T.S.



SECTION D-D
1:20

SECTION E-E
1:20

"AS CONSTRUCTED" 06-22-92
APPROVED BY *[Signature]*

ISSUED FOR TENDER 10-26-91
ISSUED FOR INFORMATION 10-7-91
NO REVISIONS DATE BY

KGS GROUP CONSULTING ENGINEERS & PROJECT MANAGERS
WINNIPEG THUNDER BAY

DESIGNED BY R. J. L. CHECKED BY D. B. M.
DRAWN BY M. N. T. APPROVED BY *[Signature]*

HOR SCALE AS NOTED
VERTICAL AS NOTED

RELEASD FOR CONTRACT *[Signature]*
DATE 10-22-91

ENGINEER'S SEAL
MR. J. LONG
REGISTERED ENGINEER

CONSULTANT DRAWING NO. 91-107-0109

THE CITY OF WINNIPEG
WORKS AND OPERATIONS DIVISION

JESSIE AVE. WASTEWATER/FLOOD PUMPING STATION - RIVERBANK STABILIZATION

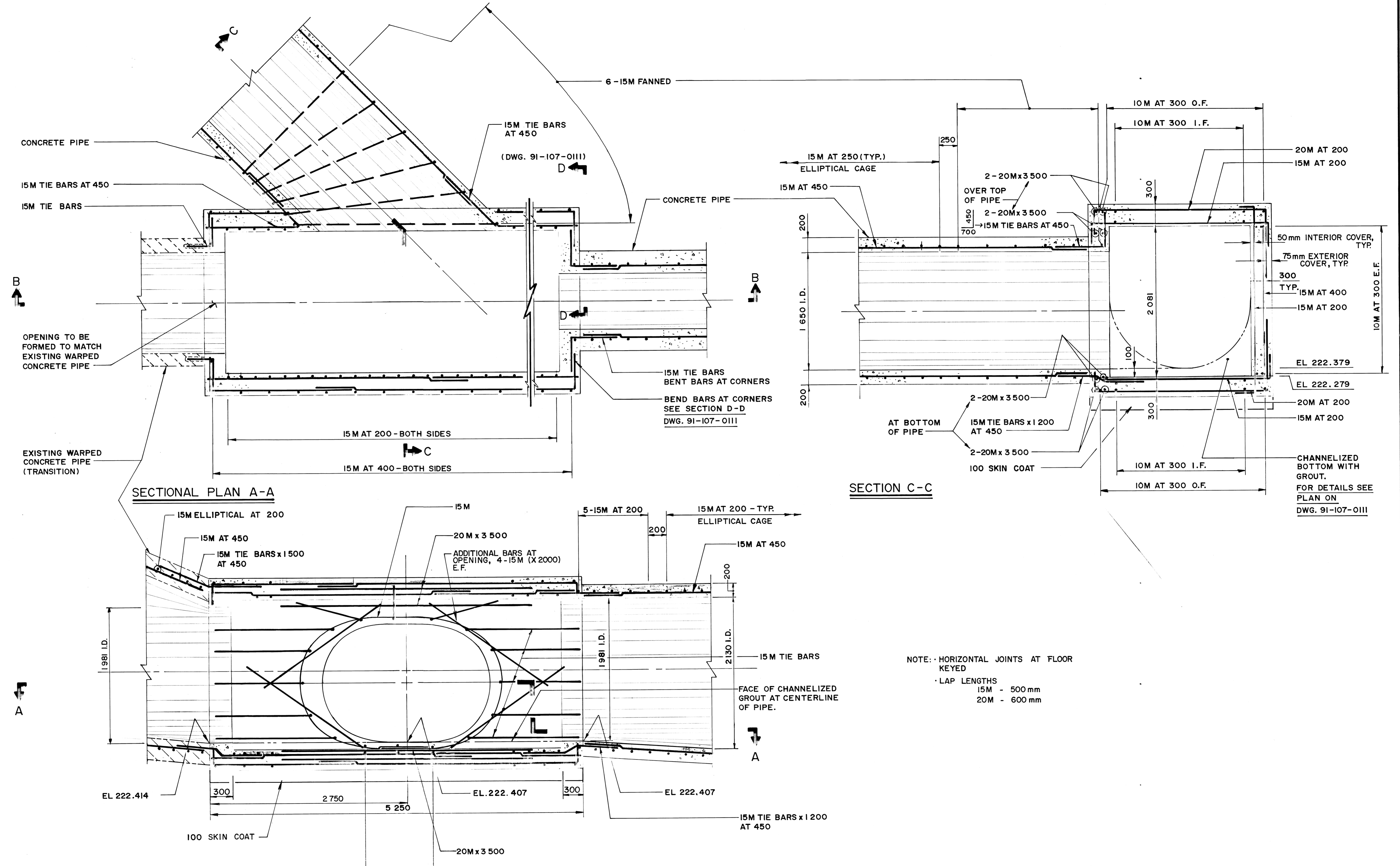
CITY DRAWING NUMBER SHEET 1 OF 1

MANHOLE DETAILS LD 1127

FILE # LD 10399

REF. or DRAWING No. **LD-1128**
DETAILS FILE NO. **LD 10400**

WO 101-84



NOTE: HORIZONTAL JOINTS AT FLOOR KEYS
LAP LENGTHS
15M - 500 mm
20M - 600 mm

SECTIONAL PLAN A-A

SECTION B-B

SECTION C-C

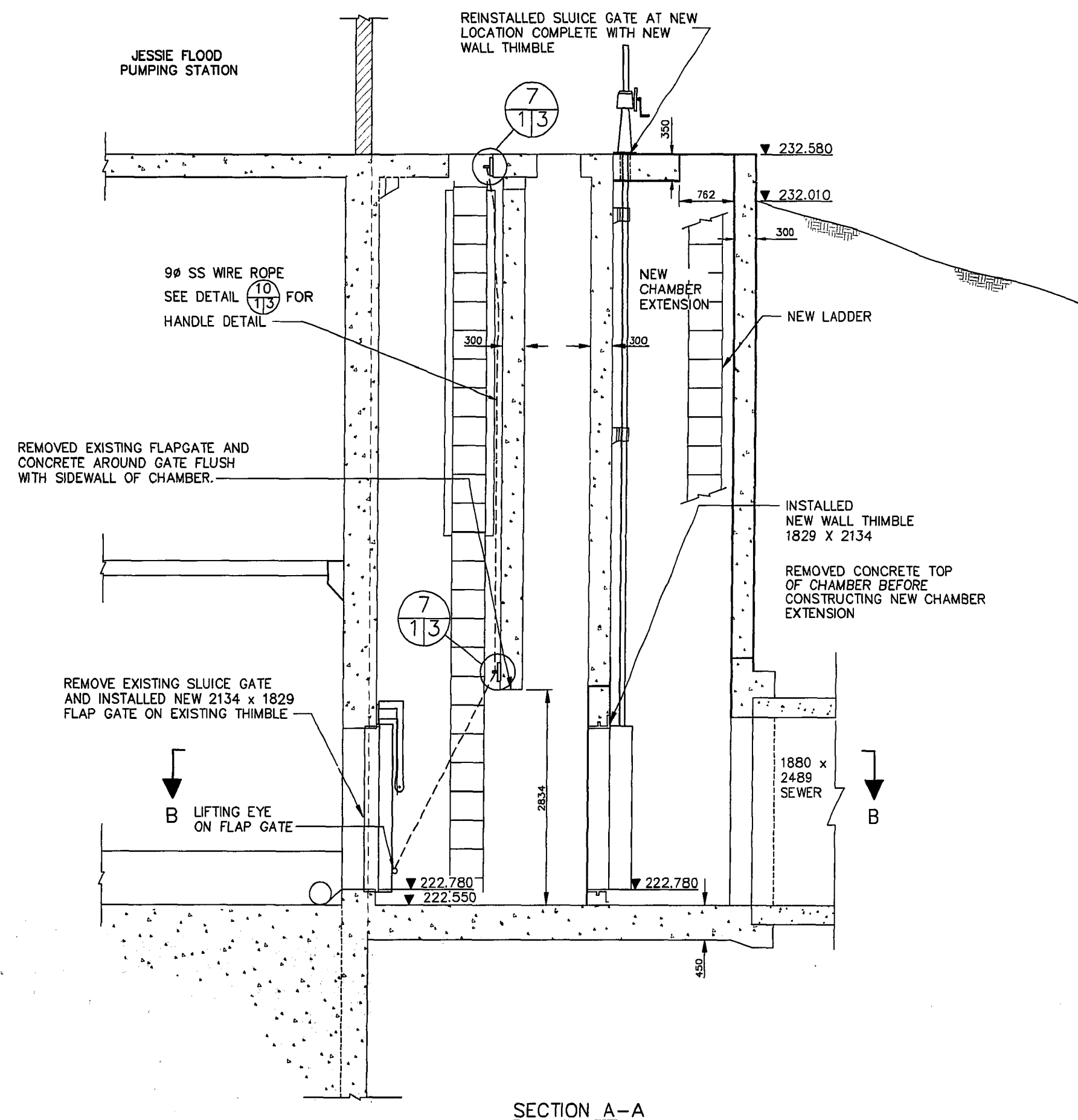
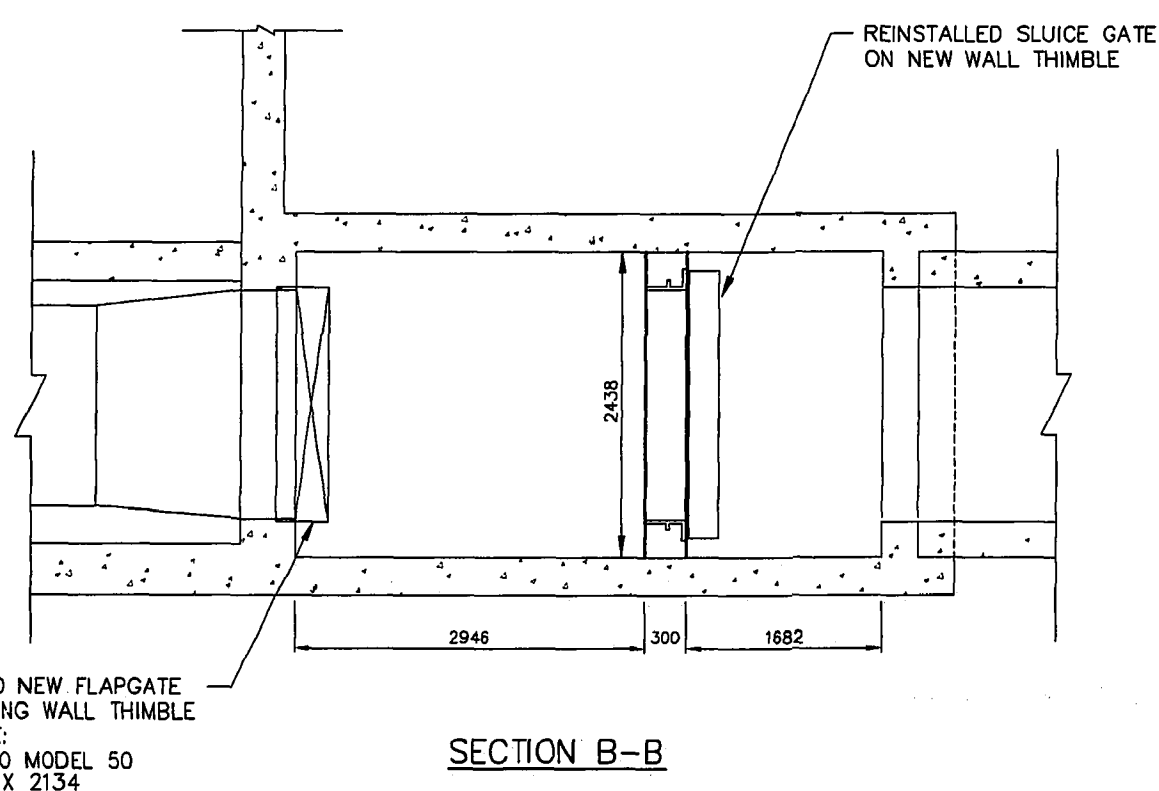
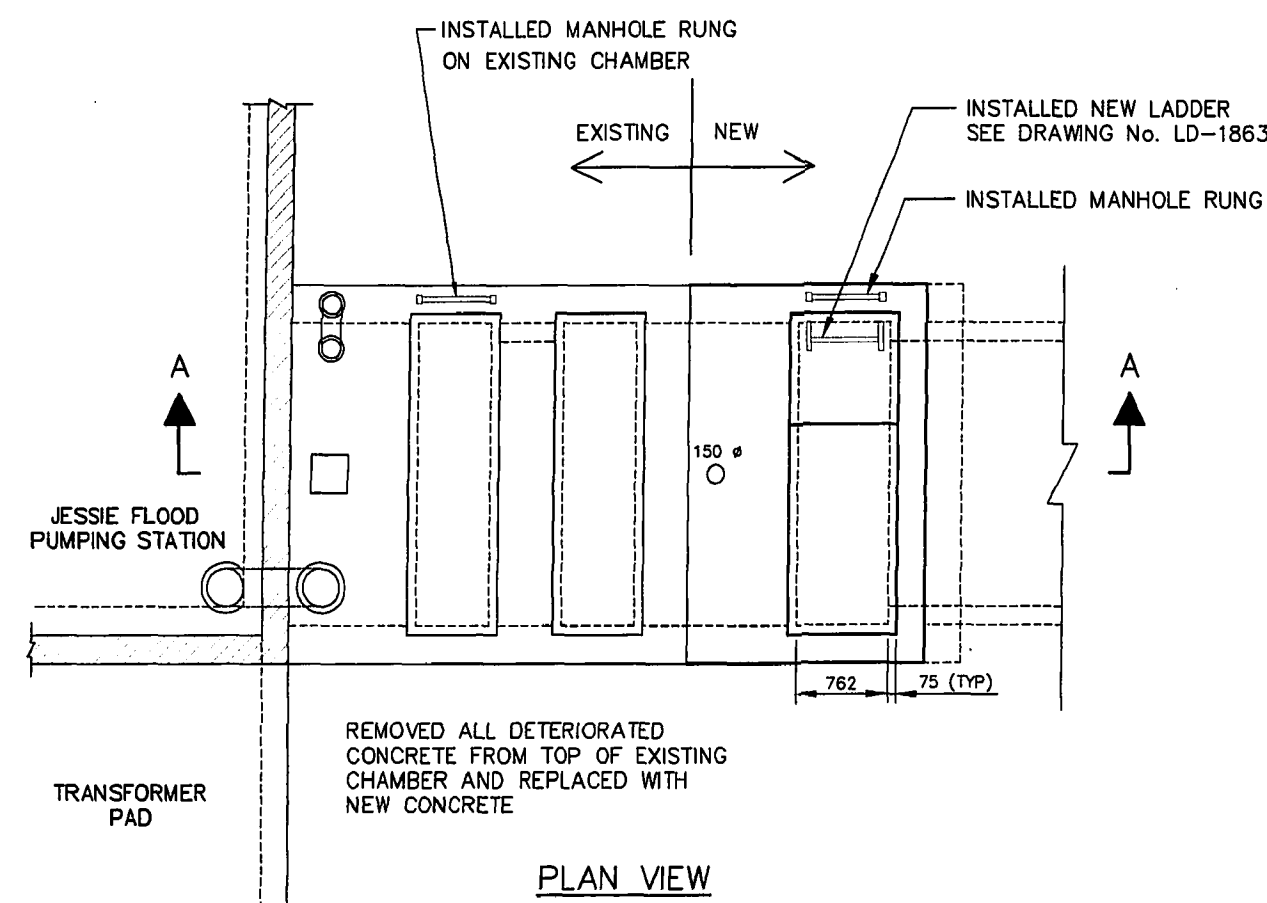
B.M. ELEV.					
DESIGNED BY D. B. M.		CHECKED BY R. L.		KGS GROUP CONSULTING ENGINEERS & PROJECT MANAGERS	
DRAWN BY J. F.		APPROVED BY		WINNIPEG THUNDER BAY	
1 ISSUED FOR TENDER 10-26-91		RELEASED FOR CONSTRUCTION		PROVINCE OF MANITOBA REGISTERED ENGINEER	
0 ISSUED FOR INFORMATION 10-7-91		DATE OCTOBER, 1991		D. B. MacMILLAN REGISTERED ENGINEER	
APPROVED BY		DATE		CONSULTANT DRAWING NO. 91-107-0110	
NO REVISIONS		DATE		THE CITY OF WINNIPEG WORKS AND OPERATIONS DIVISION WATERWORKS WASTE & DISPOSAL DEPARTMENT	
"AS CONSTRUCTED" 06-22-92		DATE		JESSIE AVE. WASTEWATER/FLOOD PUMPING STATION - RIVERBANK STABILIZATION	
APPROVED BY		DATE		CITY DRAWING NUMBER	
				SHEET 1 OF 1	

THE CITY OF WINNIPEG
WORKS AND OPERATIONS DIVISION
WATERWORKS WASTE & DISPOSAL DEPARTMENT

JESSIE AVE. WASTEWATER/FLOOD PUMPING STATION - RIVERBANK STABILIZATION

TRANSITION STRUCTURE

LD 1128



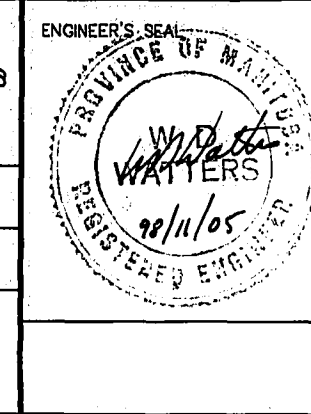
GENERAL NOTES

- 1). CONCRETE MATERIALS, METHODS OF CONSTRUCTION AND METHODS OF TESTING CONCRETE CONFORM TO CAN. 3-A23.1 AND CAN. 3-A23.2.
- 2). ALL CONCRETE TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 30 MPa AT 28 DAYS AND CEMENT SHALL BE TYPE 50 SULPHATE RESISTANT.
- 3). REINFORCEMENT SHALL BE NEW DEFORMED BILLET STEEL BAR CONFORMING TO CSA G30.12M GRADE 400 MPa
- 4). UNLESS NOTED OTHERWISE CLEAR CONCRETE OVER REINFORCING STEEL SHALL BE:
 - CONCRETE CAST AGAINST EARTH 75 mm
 - ALL OTHER CONCRETE 50 mm
- 5). ALL STEEL ANCHORS, NUTS AND BOLTS CONFORM TO ASTM A276 TYPE #316 STAINLESS STEEL.
- 6). ALL ALUMINUM IN CONTRACT WITH CONCRETE PAINTED WITH BITUMINOUS ISOLATION COATING AT THE ALUMINUM / CONCRETE INTERFACE.
- 7). DO NOT CUT EXISTING REBAR AT CONNECTION OF NEW CONCRETE. BEND / RUN EXISTING REBAR INTO NEW CONCRETE.
- 8). SHOP DRAWINGS FOR REINFORCING STEEL AND LIFTING MECHANISM INCLUDING RELATED HARDWARE SUBMITTED AT LEAST 14 DAYS BEFORE FABRICATION.
- 9). PROCEDURE FOR DOWELING INTO EXISTING CONCRETE:
 - DRILL HOLE IN EXISTING CONCRETE TO DEPTH AND DIA. SHOWN ON DWGS.
 - CLEAN OUT HOLE TO REMOVE ALL DRILLING DEBRIS.
 - FILL HOLE WITH NON-SHRINK GROUT AND INSERT DOWEL. ROTATE TO ENSURE GOOD COVERAGE OF GROUT.

AS-CONSTRUCTED
Lehisa K. C. Walters
 CONTRACT ADMINISTRATION DRAFTING & GRAPHIC SERVICES DATE
 WATER AND WASTE DEPARTMENT

METRIC
 WHOLE NUMBERS INDICATE MILLIMETRES
 DECIMALIZED NUMBERS INDICATE METRES

B.M. ELEV.	FIELD BOOK #	CITY OF WINNIPEG WATER AND WASTE ENGINEERING DIVISION	
POSTED TO LBIS		DESIGNED BY JE	CHECKED BY JE
		DRAWN BY TM	APPROVED BY WDW
		HOR. SCALE 1:50	RELEASED FOR CONSTRUCTION
		VERTICAL	<i>Walters</i>
1 REVISED TO AS-BUILT	99.08.05 MTZ	DATE NOVEMBER 03, 1998	DATE 22/11/05
NO. REVISIONS	DATE BY	DATE	DATE

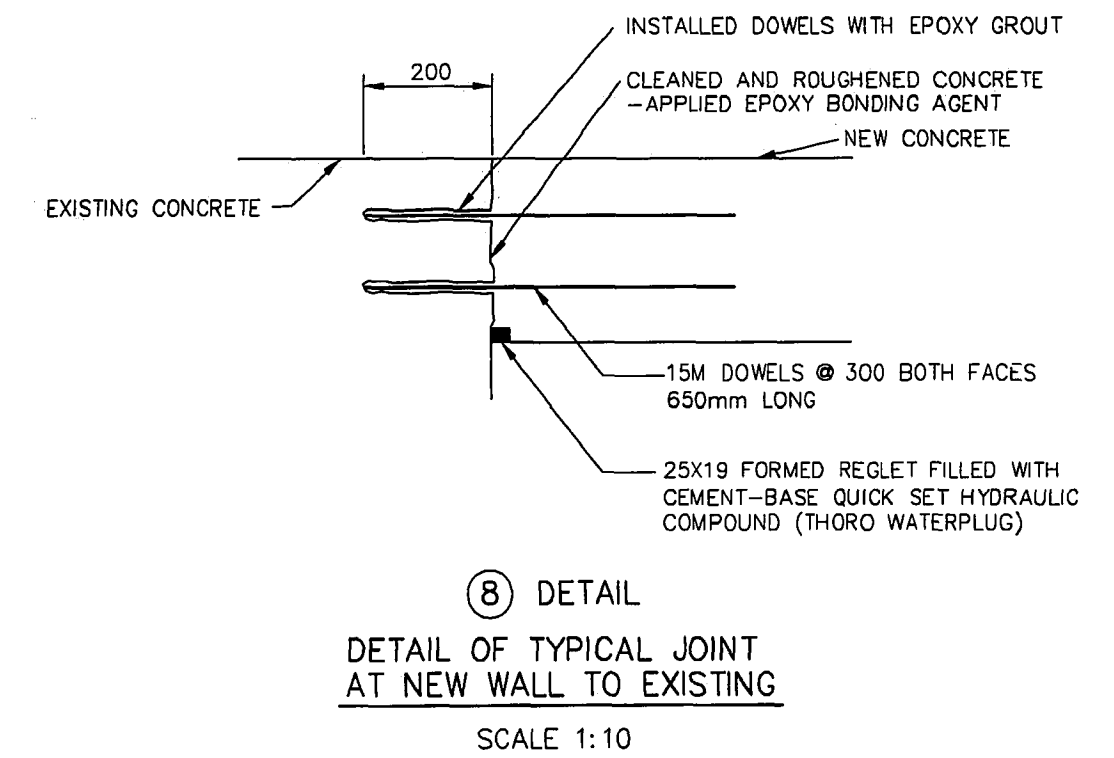
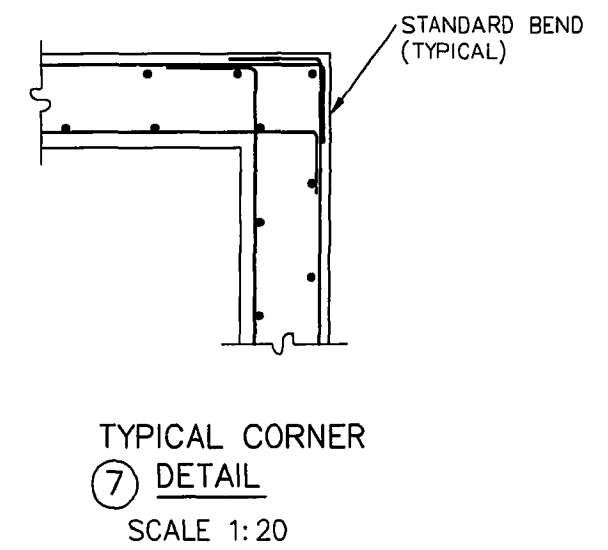
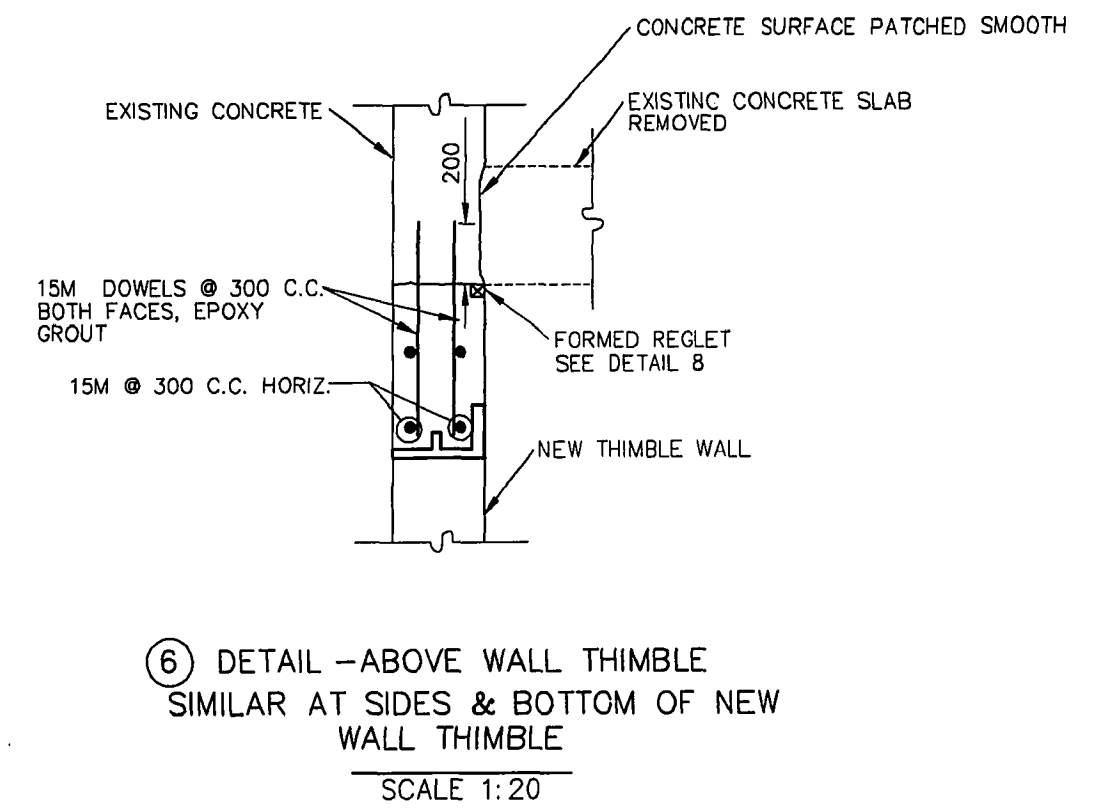
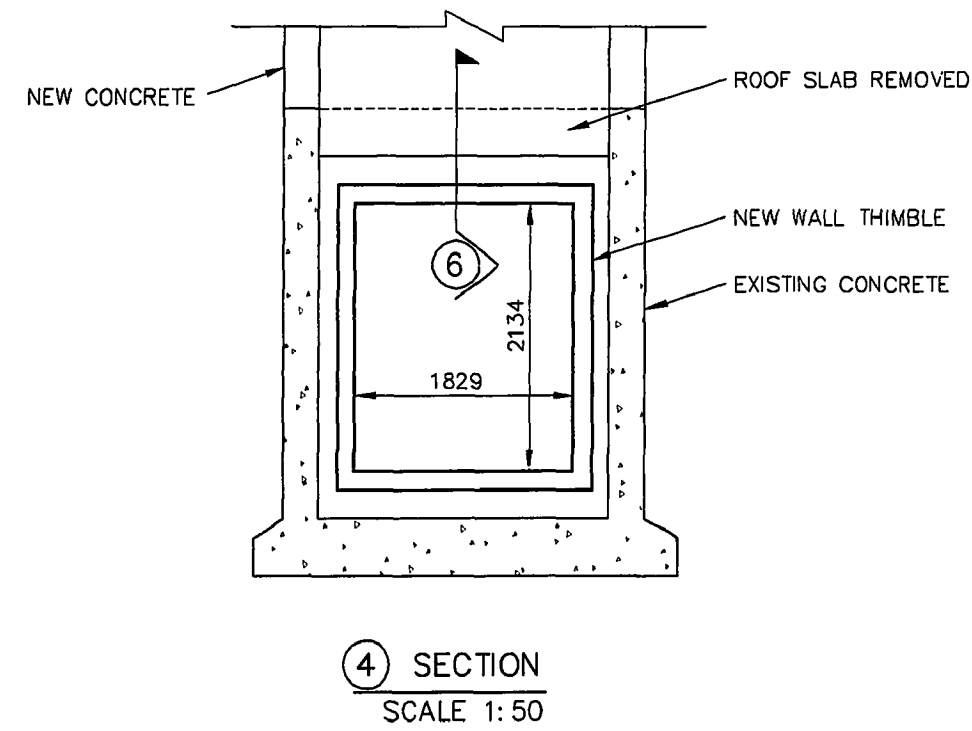
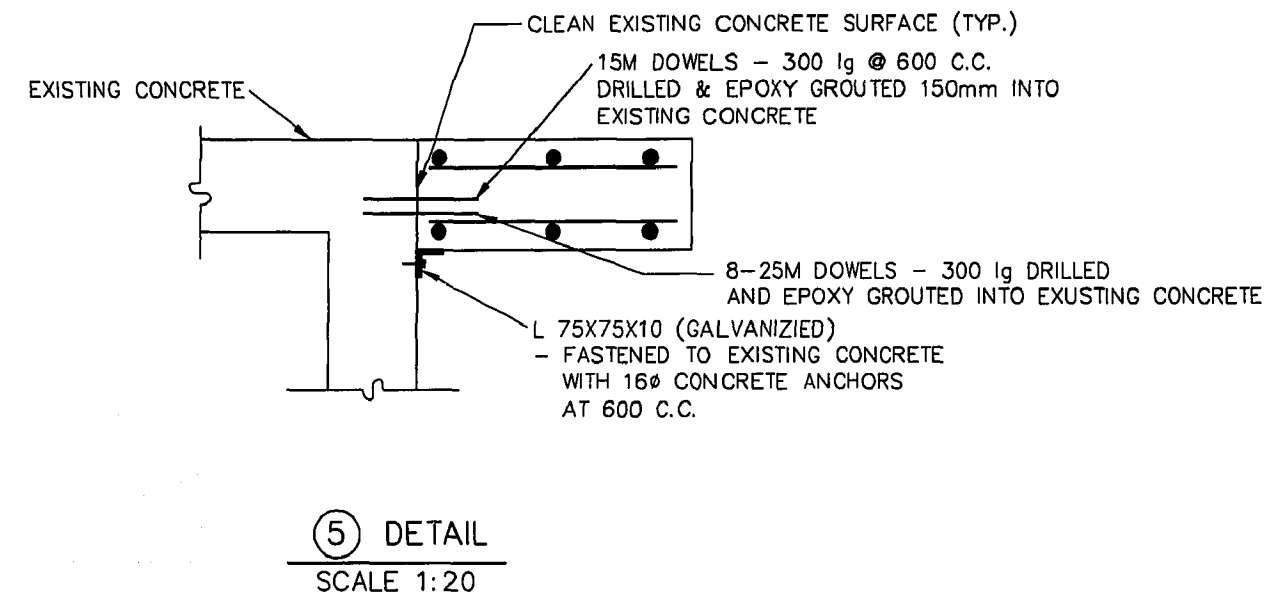
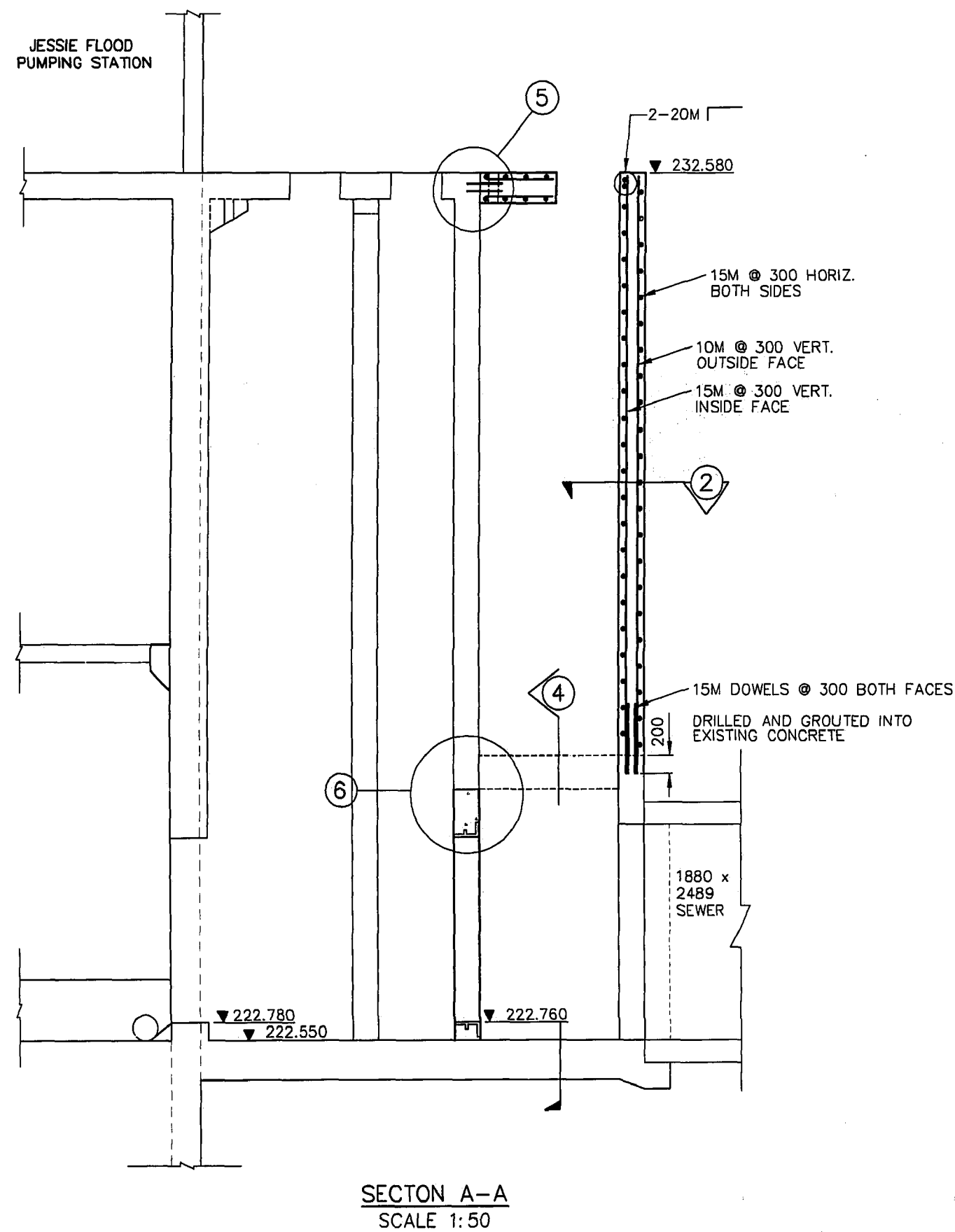
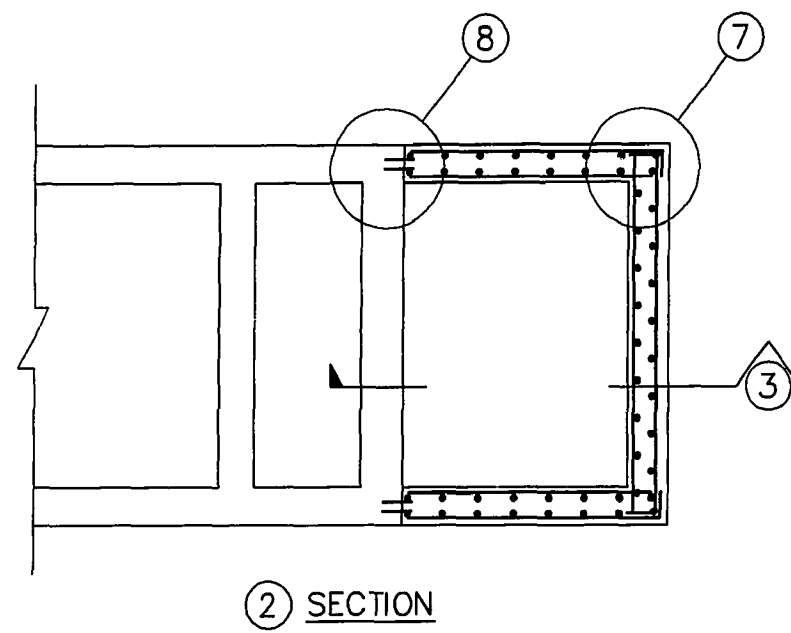
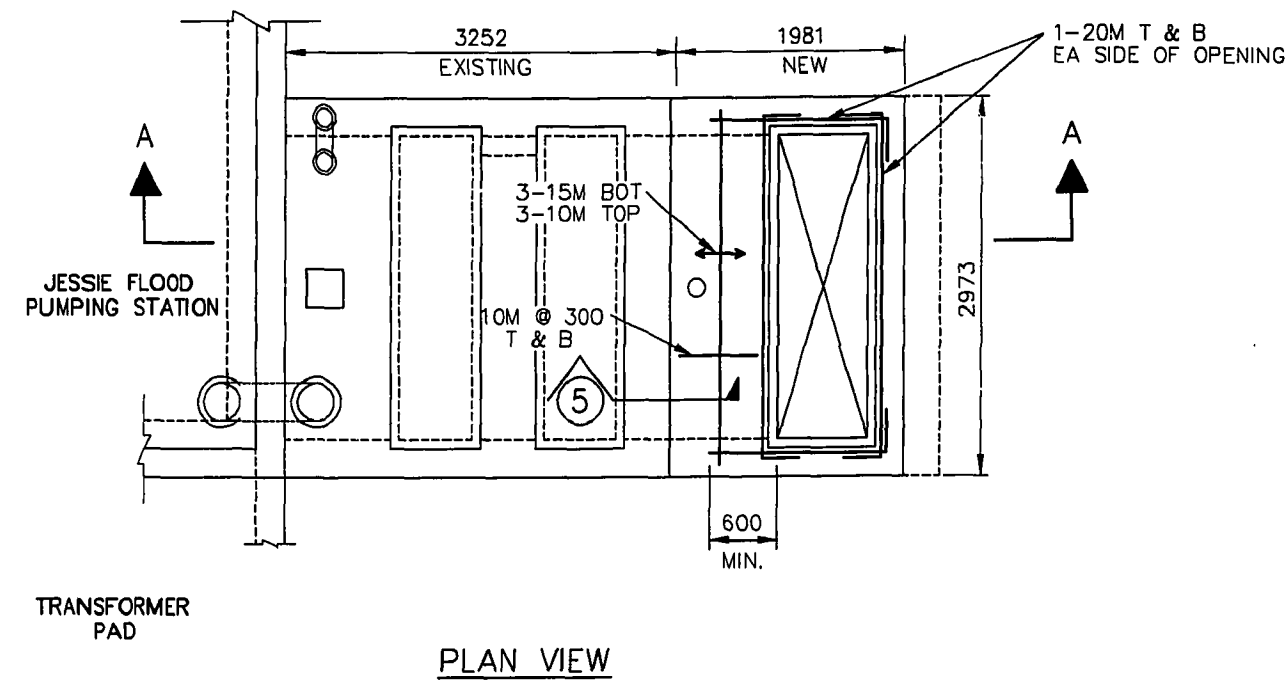


THE CITY OF WINNIPEG
 WATER AND WASTE DEPARTMENT

JESSIE FLOOD PUMPING STATION
PLAN AND DETAILS

SHEET 1 of 3
 CITY DRAWING NUMBER
 LD-1861

C:\URBANKINGS\LD-1861.dwg Mod Aug 11 09:41:59 1999



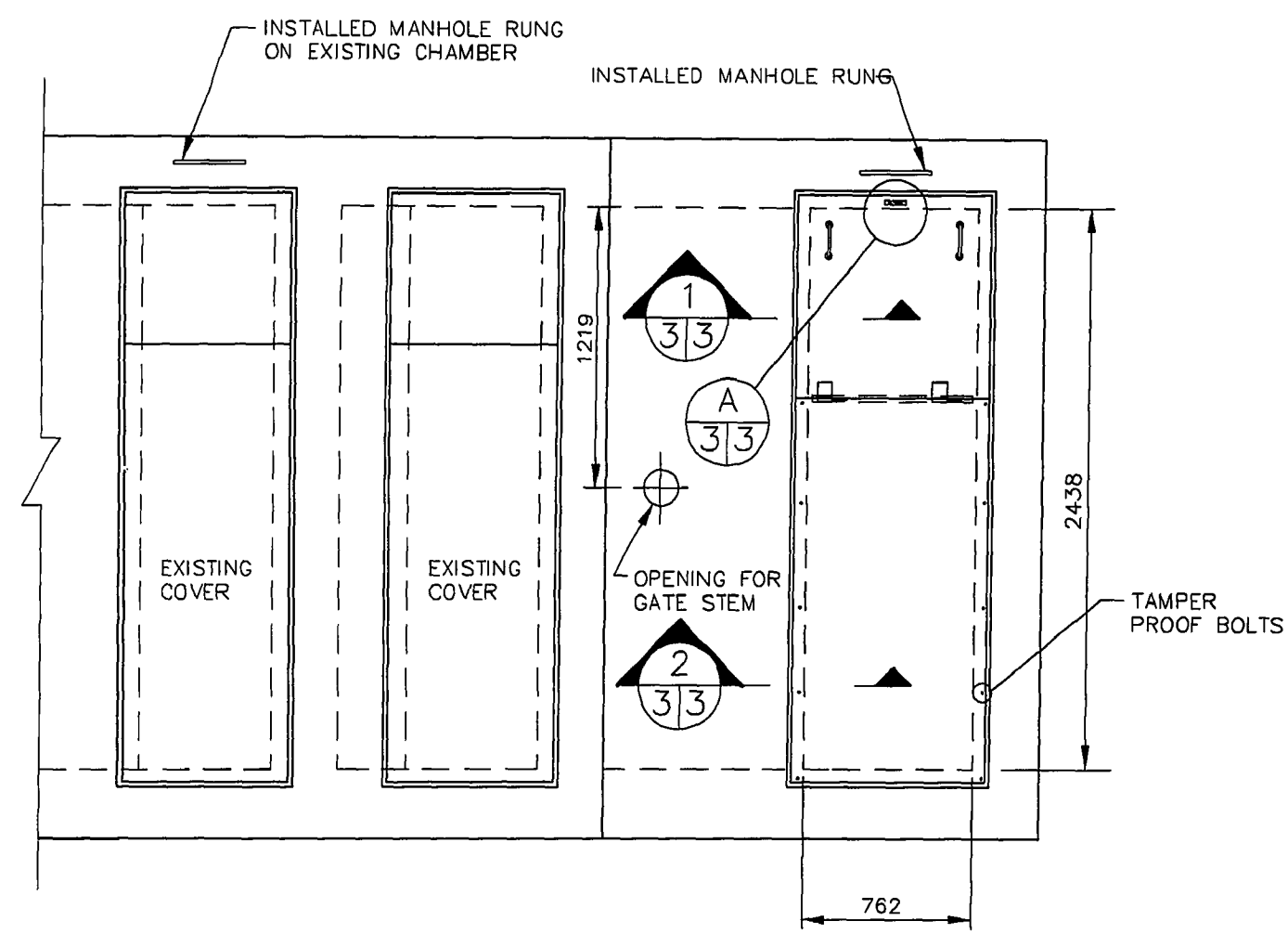
GENERAL NOTES

- 1). ALL CONCRETE TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 30 MPa AT 28 DAYS AND CEMENT SHALL BE TYPE 50 SULPHATE RESISTANT.
- 2). REINFORCEMENT SHALL BE NEW DEFORMED BILLET STEEL BAR CONFORMING TO CSA G30.12M GRADE 400 MPa
- 3). UNLESS NOTED OTHERWISE CLEAR CONCRETE OVER REINFORCING STEEL SHALL BE:
 - CONCRETE CAST AGAINST EARTH 75 mm
 - ALL OTHER CONCRETE 50 mm

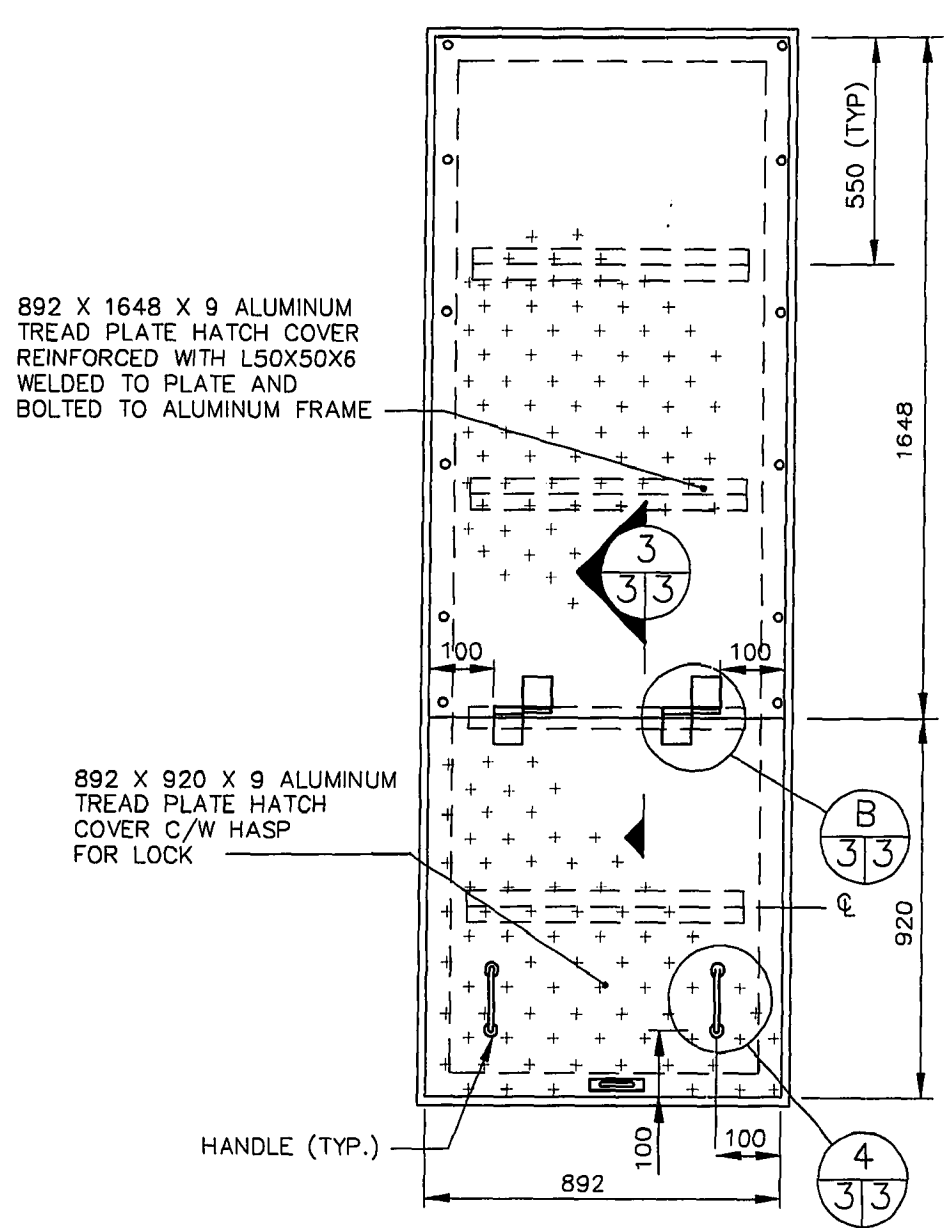
AS-CONSTRUCTED
Robbins *R. Robbins* 99.07.03
 CONTRACT ADMINISTRATION DRAFTING & GRAPHIC SERVICES DATE
 WATER AND WASTE DEPARTMENT

METRIC
 WHOLE NUMBERS INDICATE MILLIMETRES
 DECIMALIZED NUMBERS INDICATE METRES

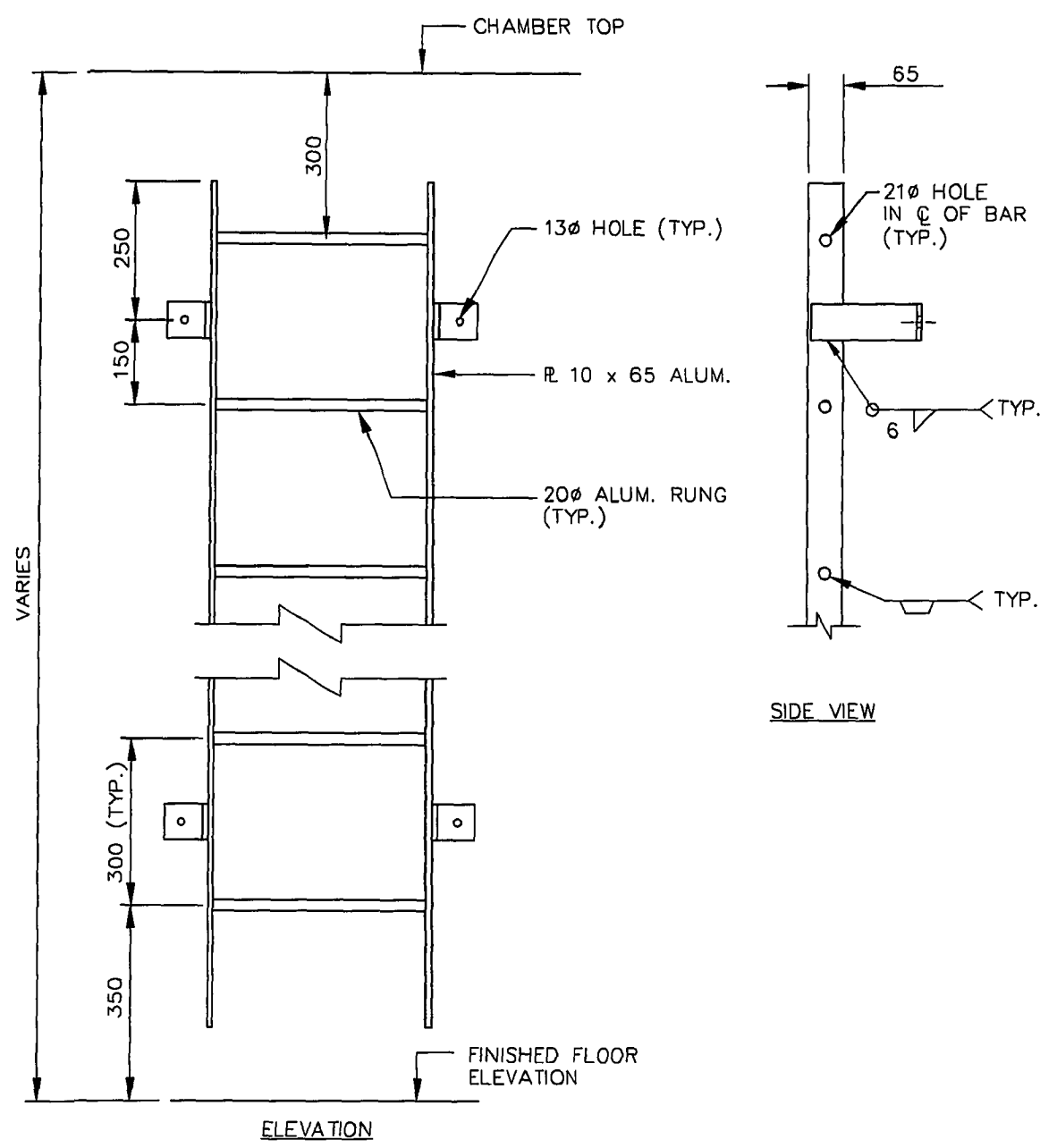
B.M. ELEV.	FIELD BOOK #	CITY OF WINNIPEG WATER AND WASTE ENGINEERING DIVISION		ENGINEER'S SEAL	THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT	
POSTED TO LBS		DESIGNED BY JE	CHECKED BY JE	Original Drawing Stamped & Signed by D.H. Robbins P. Eng Nov. 3/98	JESSIE FLOOD PUMPING STATION SHEET 2 OF 3	
		DRAWN BY MBD	APPROVED BY WDW		CITY DRAWING NUMBER	
		HOR. SCALE AS NOTED	RELEASED FOR CONSTRUCTION		LD-1862	
1	REVISED TO AS-BUILT	98.08.05	MTZ	VERTICAL		
NO.	REVISIONS	DATE	BY	DATE NOVEMBER 03, 1998		



ROOF ACCESS PLAN
SCALE 1:25

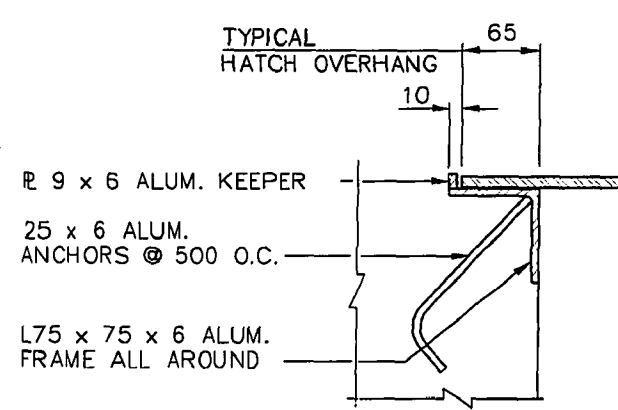


ACCESS HATCH DETAIL
SCALE 1:15

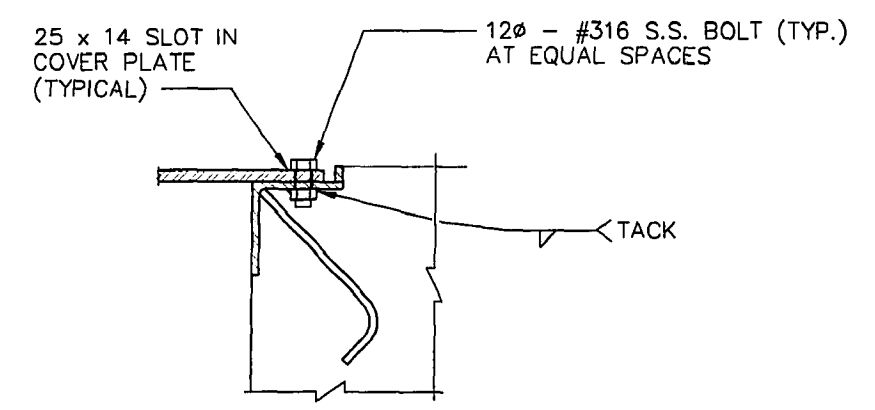


ELEVATION

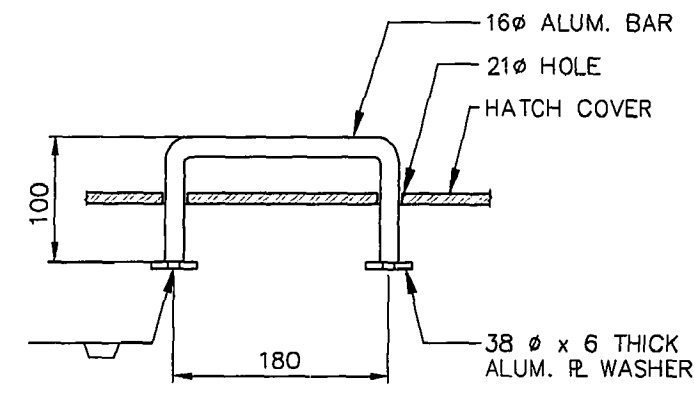
SIDE VIEW



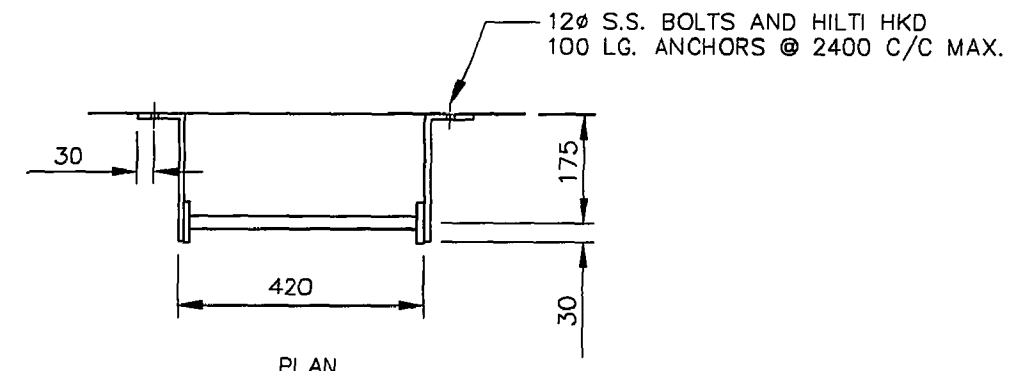
SECTION 1
SCALE 1:5



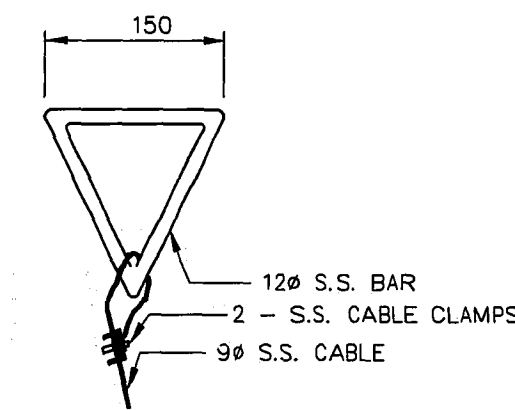
SECTION 2
SCALE 1:5



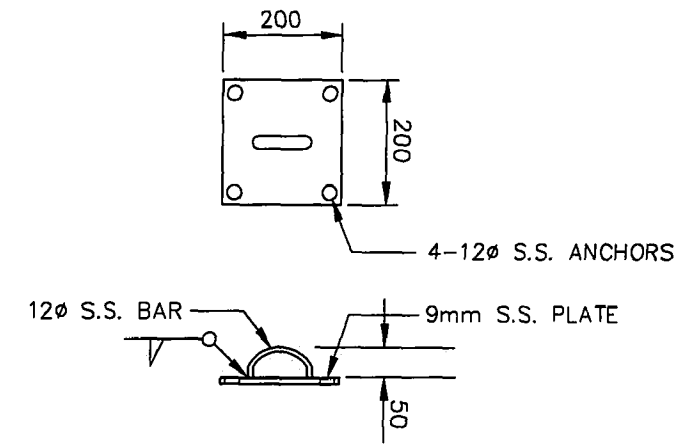
SECTION 4
SCALE 1:5



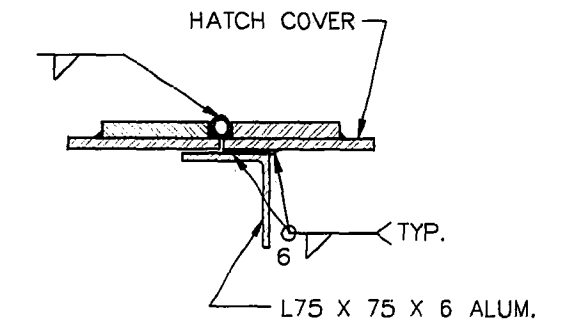
LADDER DETAIL
SCALE 1:10



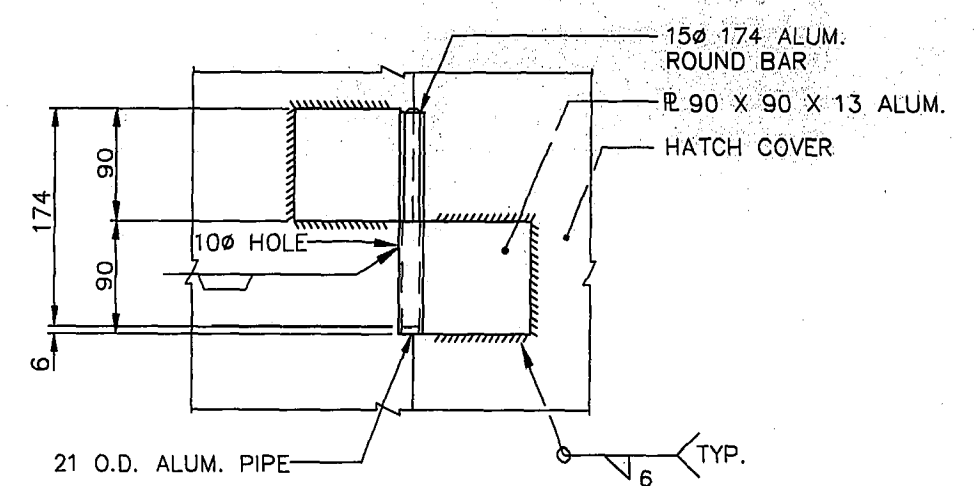
DETAIL 10
SCALE 1:5



DETAIL 7
SCALE 1:10

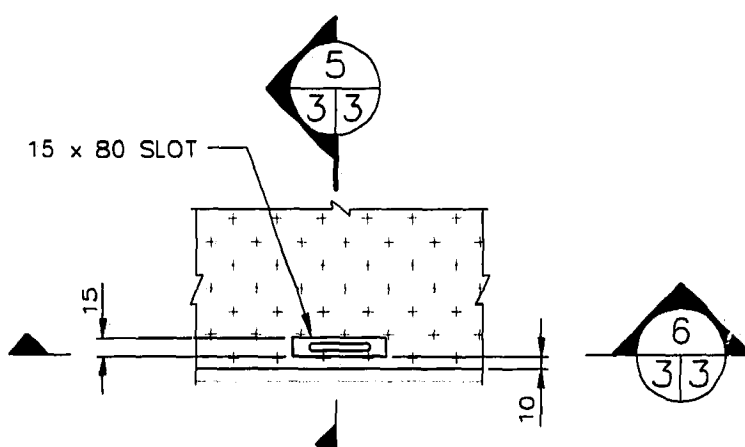


SECTION 3
SCALE 1:5

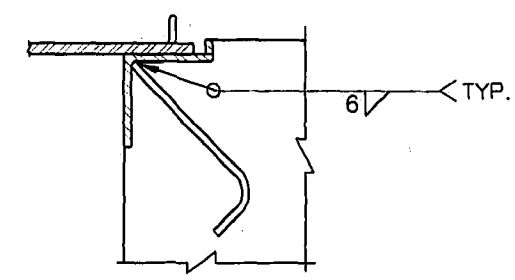


SECTION B
SCALE 1:5

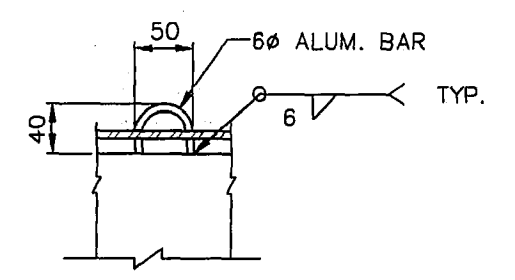
NOTE: HINGE VIEW FROM TOP



DETAIL A
SCALE 1:5



SECTION 5
SCALE 1:5



SECTION 6
SCALE 1:5

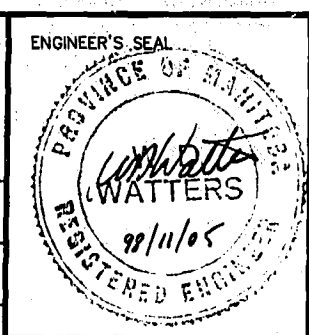
NOTES:

- ALL ALUMINUM CONFORMS TO THE ALUMINUM ASSOCIATION "SPECIFICATIONS FOR ALUMINUM STRUCTURES" - LATEST ADDITION. ALUMINUM FOR PLATES TYPE 5086
- ALL ALUMINUM IN CONTACT WITH CONCRETE OR CAST INTO CONCRETE TO HAVE BITUMINOUS ISOLATION COATING.
- ALL NUTS, BOLTS AND ANCHORS CONFORM TO ASTM A276 TYPE # 316 STAINLESS STEEL.
- SHOP DRAWINGS FOR ACCESS HATCH AND RELATED ITEMS SUBMITTED AT LEAST 14 DAYS BEFORE FABRICATION.

AS-CONSTRUCTED
Robina S. [Signature] 22/03/03
 CONTRACT ADMINISTRATION DRAFTING & GRAPHIC SERVICES DATE
 WATER AND WASTE DEPARTMENT

B.M. ELEV.			
1	REVISED TO AS-BUILT	99.08.05	MTZ
NO.	REVISIONS	DATE	BY

CITY OF WINNIPEG WATER AND WASTE ENGINEERING DIVISION	
DESIGNED BY JE	CHECKED BY JE
DRAWN BY TM	APPROVED BY WDW
HOR. SCALE AS NOTED	RELEASED FOR CONSTRUCTION
VERTICAL	<i>[Signature]</i>
DATE NOVEMBER 03, 1998	DATE 99/11/05



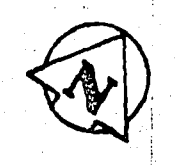
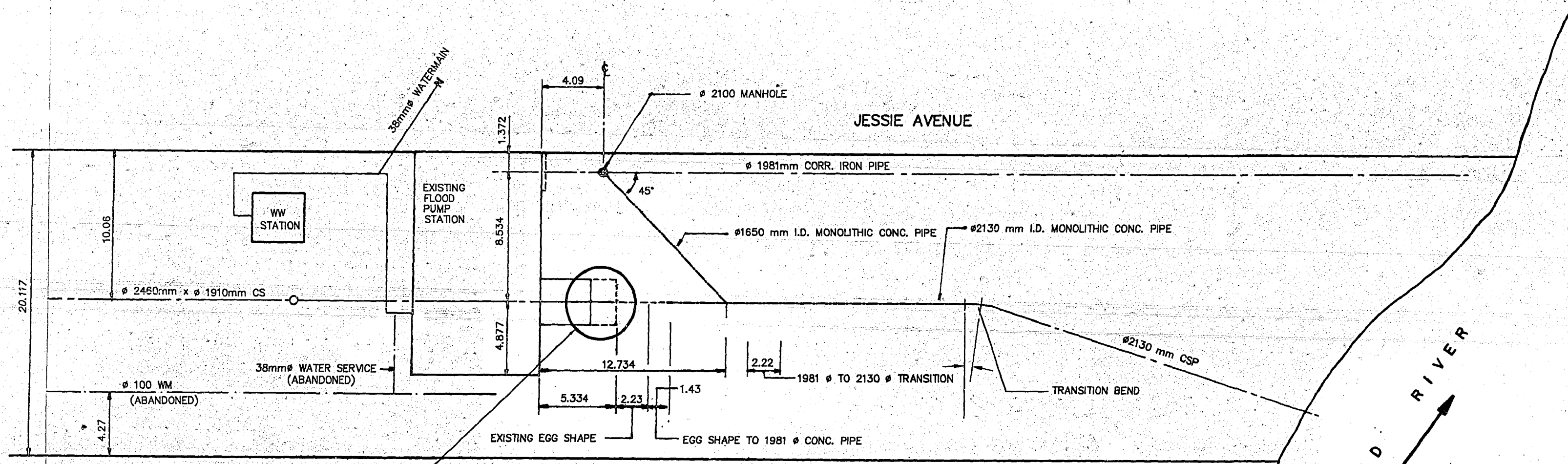
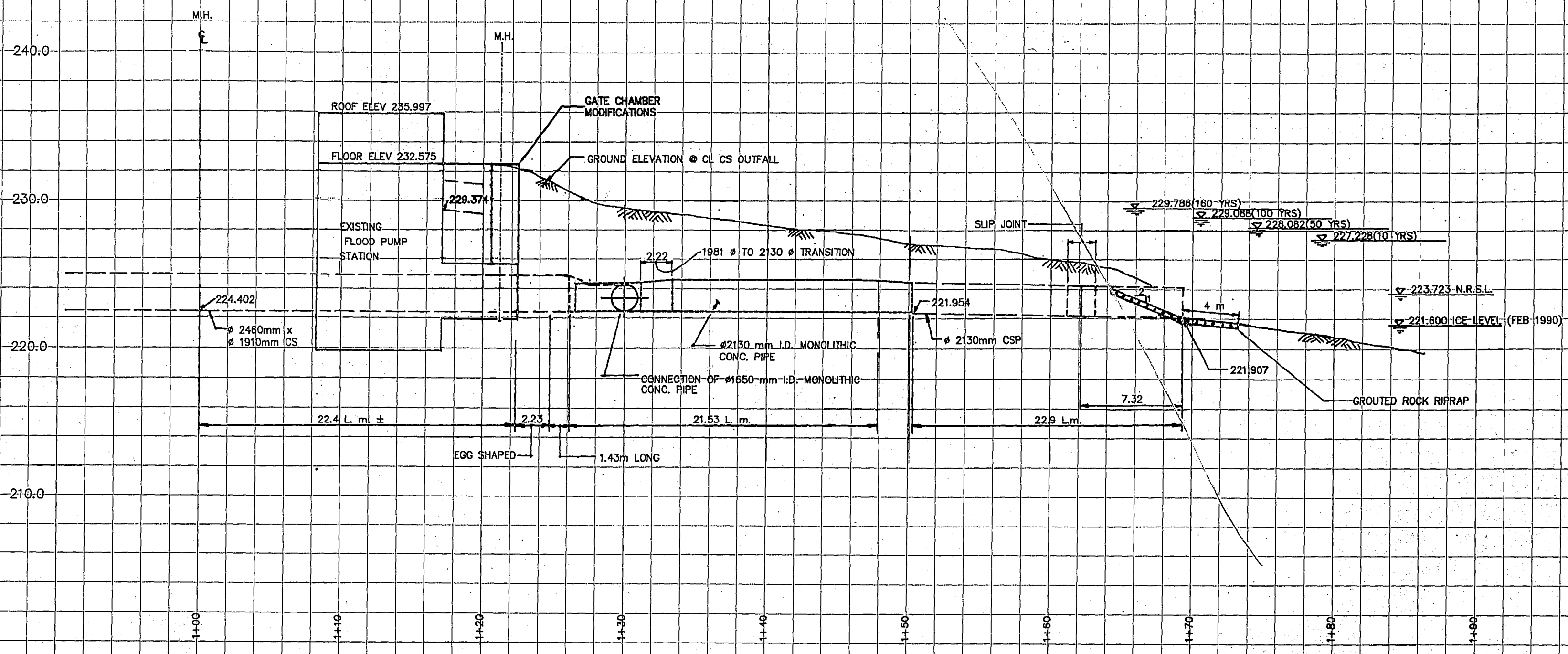
THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

JESSIE FLOOD PUMPING STATION

MISCELLANEOUS METAL DETAILS

SHEET 3 OF 3

LD-1863



AS-CONSTRUCTED

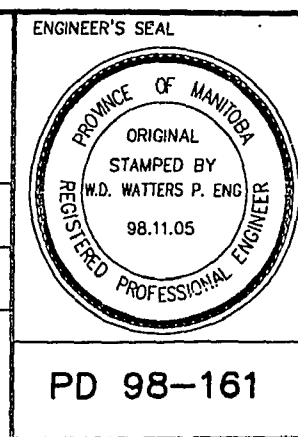
CONTRACT ADMINISTRATION DRAFTING & GRAPHIC SERVICES DATE
 WATER AND WASTE DEPARTMENT

METRIC
 WHOLE NUMBERS INDICATE MILLIMETRES
 DECIMALIZED NUMBERS INDICATE METRES

B.M. ELEV.	FIELD BOOK #:
POSTED TO LBIS	
DESIGNED BY	JE
CHECKED BY	JE
DRAWN BY	CAT
APPROVED BY	WDW
HOR. SCALE	1:200
VERTICAL SCALE	1:200
NO. REVISIONS	DATE BY
1	AS-CONSTRUCTED 00.11.20 GMZ
	DATE 98-10-28

**CITY OF WINNIPEG
 WATER AND WASTE
 ENGINEERING DIVISION**

DESIGNED BY JE CHECKED BY JE
 DRAWN BY CAT APPROVED BY WDW
 HOR. SCALE 1:200
 VERTICAL SCALE 1:200
 RELEASED FOR CONSTRUCTION
 DATE 98-10-28

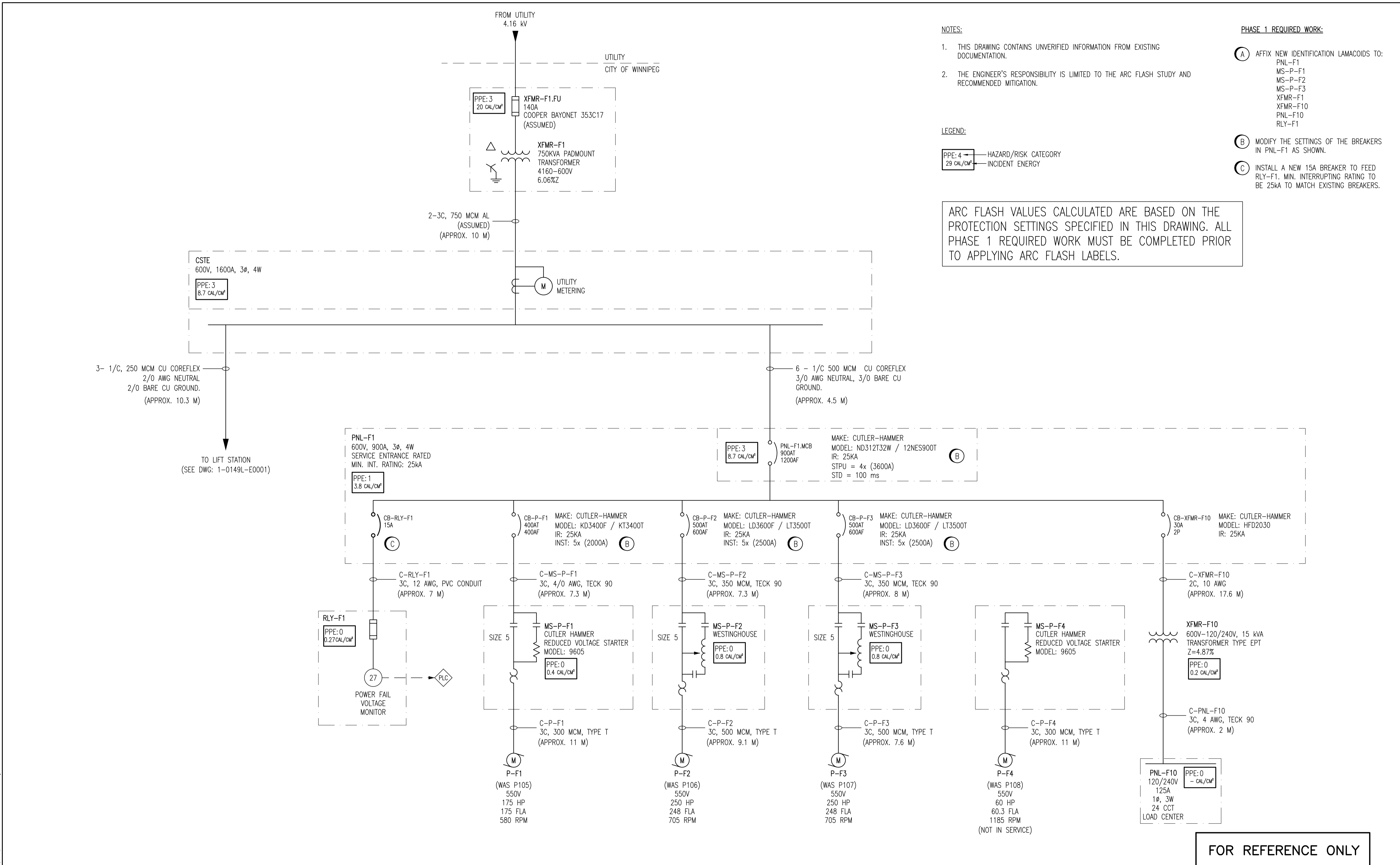


**THE CITY OF WINNIPEG
 WATER AND WASTE DEPARTMENT**

**JESSIE AVENUE
 FLOOD PUMPING STATION
 SITE PLAN**

ENGINEER'S SEAL
 PD 98-161

SHEET 1 OF 4
 CITY DRAWING NUMBER
 LD-1876



NOTES:

- THIS DRAWING CONTAINS UNVERIFIED INFORMATION FROM EXISTING DOCUMENTATION.
- THE ENGINEER'S RESPONSIBILITY IS LIMITED TO THE ARC FLASH STUDY AND RECOMMENDED MITIGATION.

LEGEND:

PPE: 4 29 CAL/CM² - HAZARD/RISK CATEGORY
 PPE: 3 20 CAL/CM² - INCIDENT ENERGY

PHASE 1 REQUIRED WORK:

- AFFIX NEW IDENTIFICATION LAMACOIDS TO:
 PNL-F1
 MS-P-F1
 MS-P-F2
 MS-P-F3
 XFMR-F1
 PNL-F10
 RLY-F1
- MODIFY THE SETTINGS OF THE BREAKERS IN PNL-F1 AS SHOWN.
- INSTALL A NEW 15A BREAKER TO FEED RLY-F1. MIN. INTERRUPTING RATING TO BE 25KA TO MATCH EXISTING BREAKERS.

ARC FLASH VALUES CALCULATED ARE BASED ON THE PROTECTION SETTINGS SPECIFIED IN THIS DRAWING. ALL PHASE 1 REQUIRED WORK MUST BE COMPLETED PRIOR TO APPLYING ARC FLASH LABELS.

FOR REFERENCE ONLY

1-04YYA-F-E0001	ELECTRICAL SERVICE ENTRANCE AND DISTRIBUTION DETAILS
DRAWING NUMBER	REFERENCE DRAWINGS

APECM
 Certificate of Authorization
SNC-Lavalin Inc.
 No. 4489

NO.	REVISIONS	DATE	DESIGN	CHECK
00	ISSUED FOR CITY USE	2011/11/23	BC	CJR

SNC-LAVALIN INC.
 148 Nature Park Way
 Winnipeg, MB, Canada R3P 0X7
 204-786-8080

DESIGNED BY: A. SMALUCK/B. CLEVEN
 CHECKED BY: C. REIMER
 DRAWN BY: S. COATES
 APPROVED BY: C. REIMER
 SCALE: NTS
 RELEASED FOR CONSTRUCTION BY: C. REIMER
 DATE: 2009/09/11

CONSULTANT NO.:

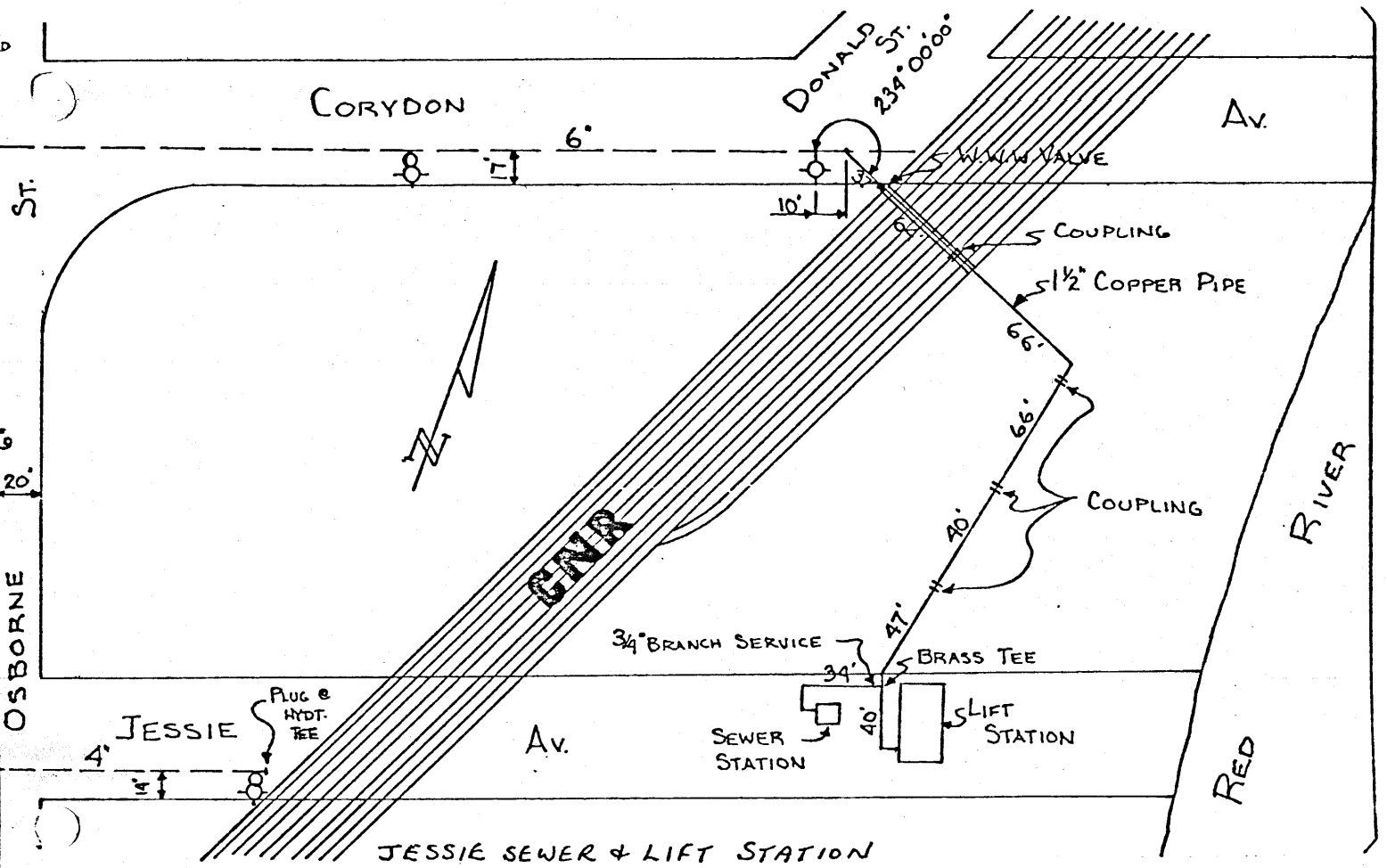
ENGINEER'S SEAL

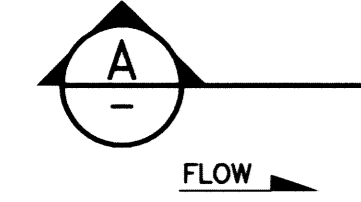
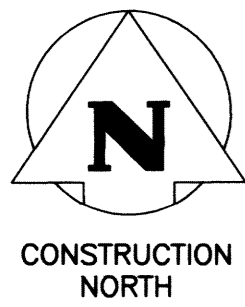
ORIGINAL DRAWING SEALED BY:
 C. J. REIMER
 SNC-LAVALIN INC.
 MEMBER # 21968
 2011/12/01
 REV. 00

THE CITY OF WINNIPEG
 WATER AND WASTE DEPARTMENT

JESSIE FLOOD PUMPING STATION
 ARC FLASH STUDY
 SINGLE LINE DIAGRAM

CITY DRAWING NUMBER: 1-0149F-E0001
 SHEET: 001
 REV: 00
 SIZE: A1

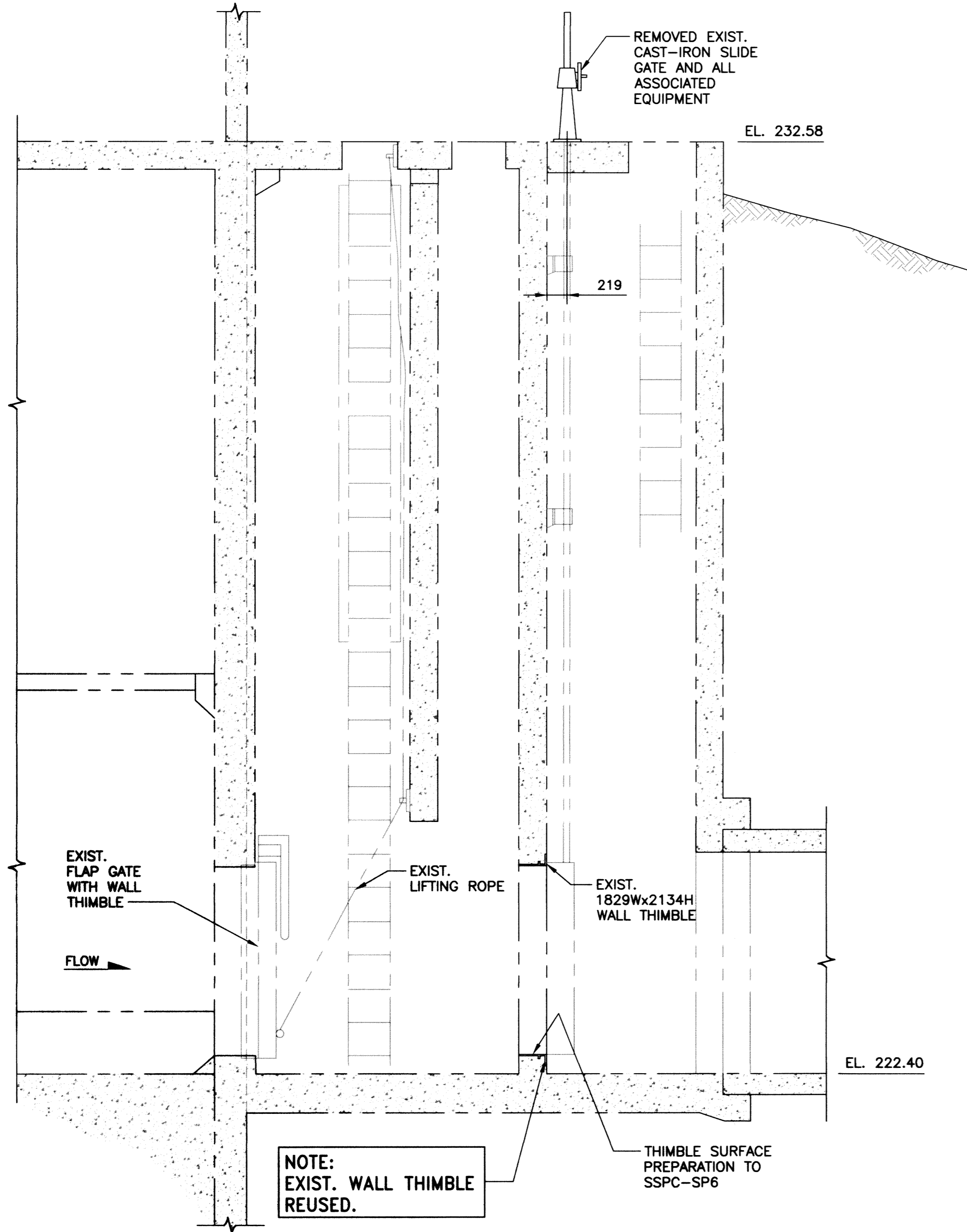




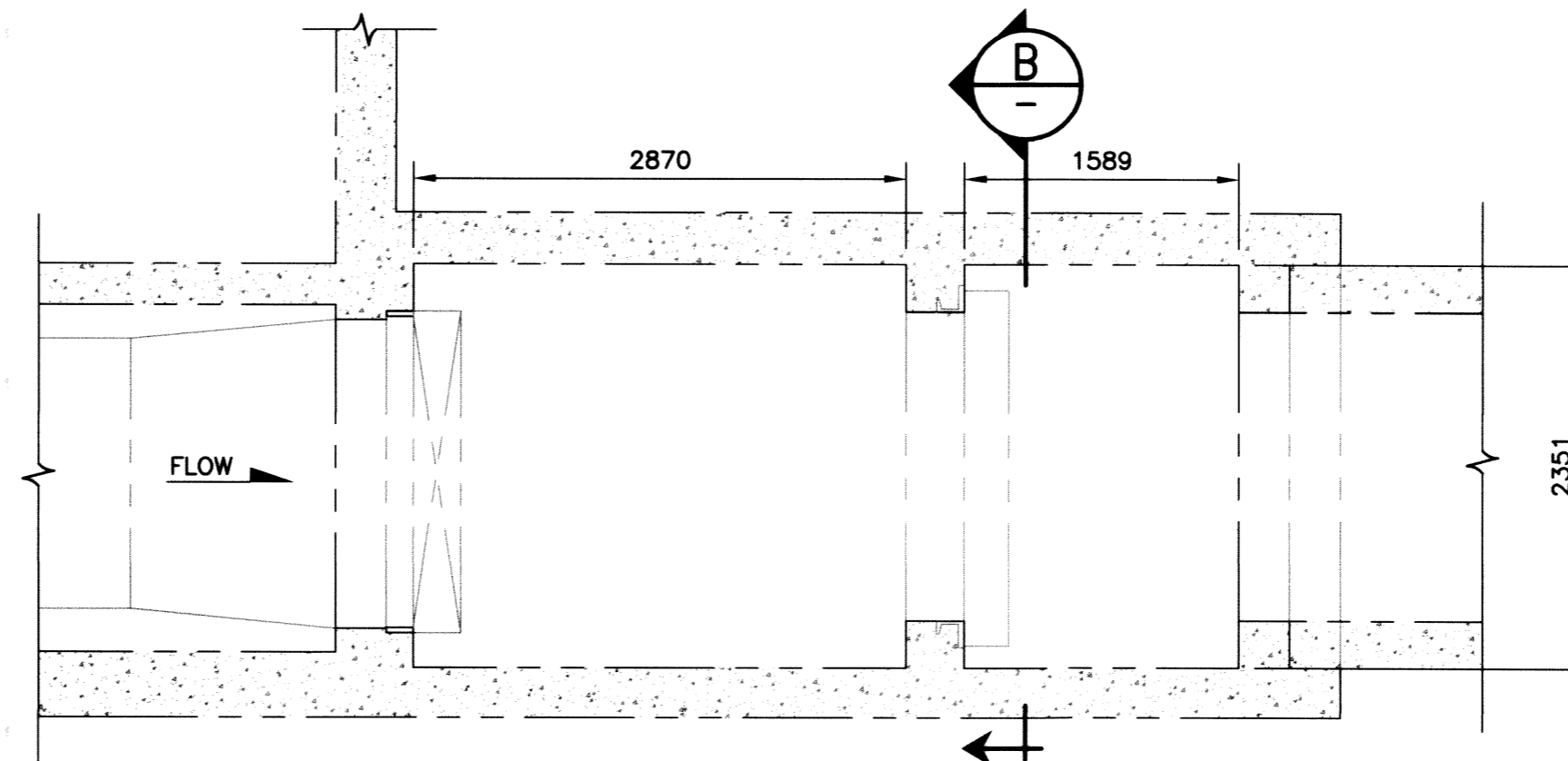
TRANSFORMER PAD

PLAN - EL. 232.58

SCALE: 1:40

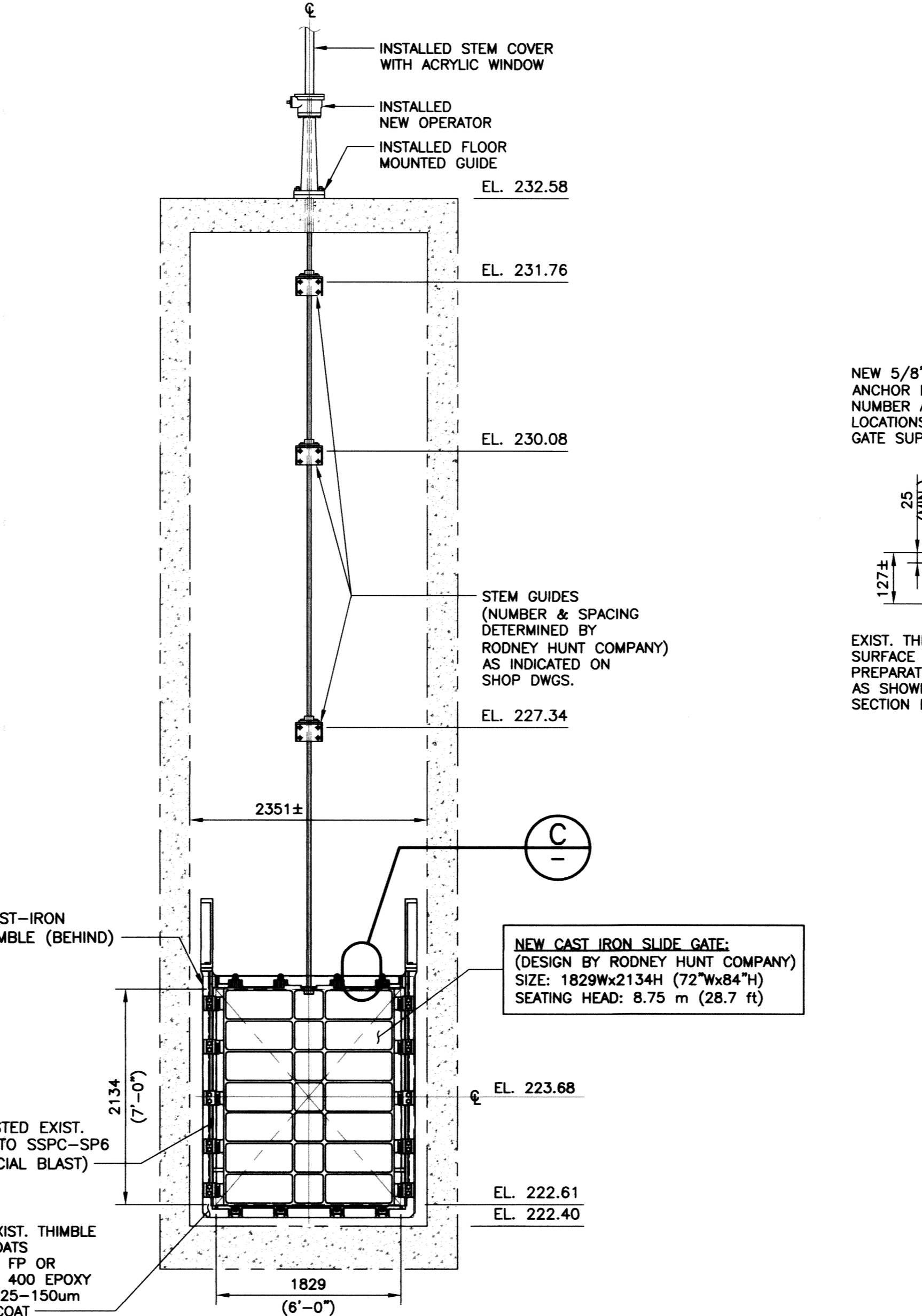


A SECTION
SCALE: 1:40

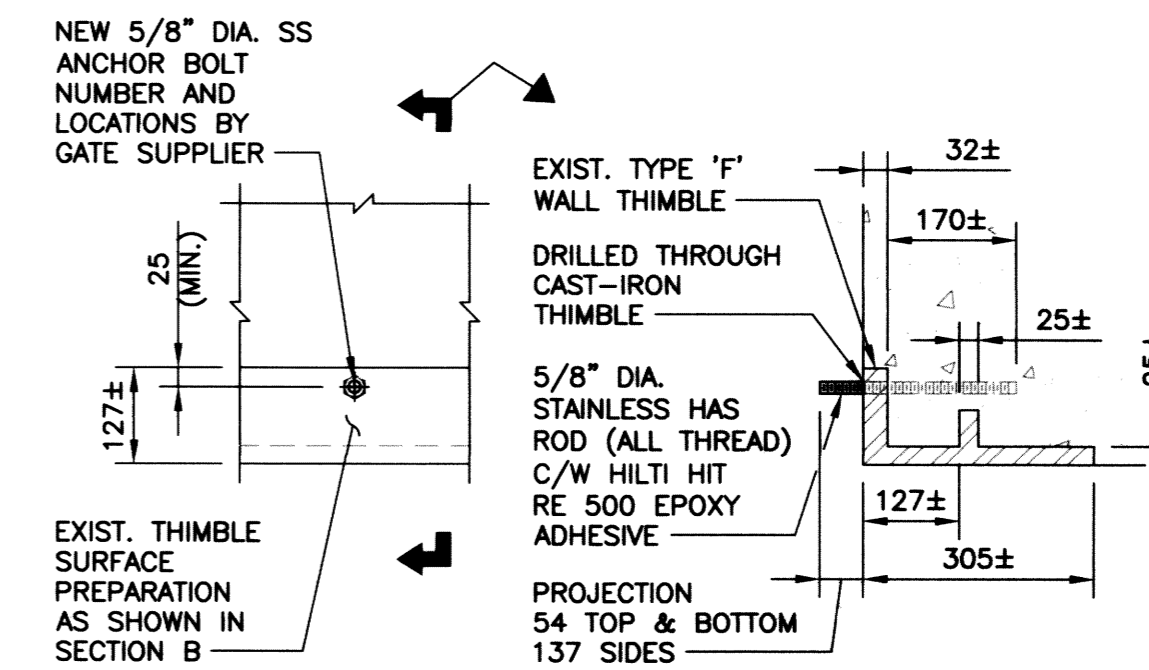


PLAN - EL. 222.55

SCALE: 1:40

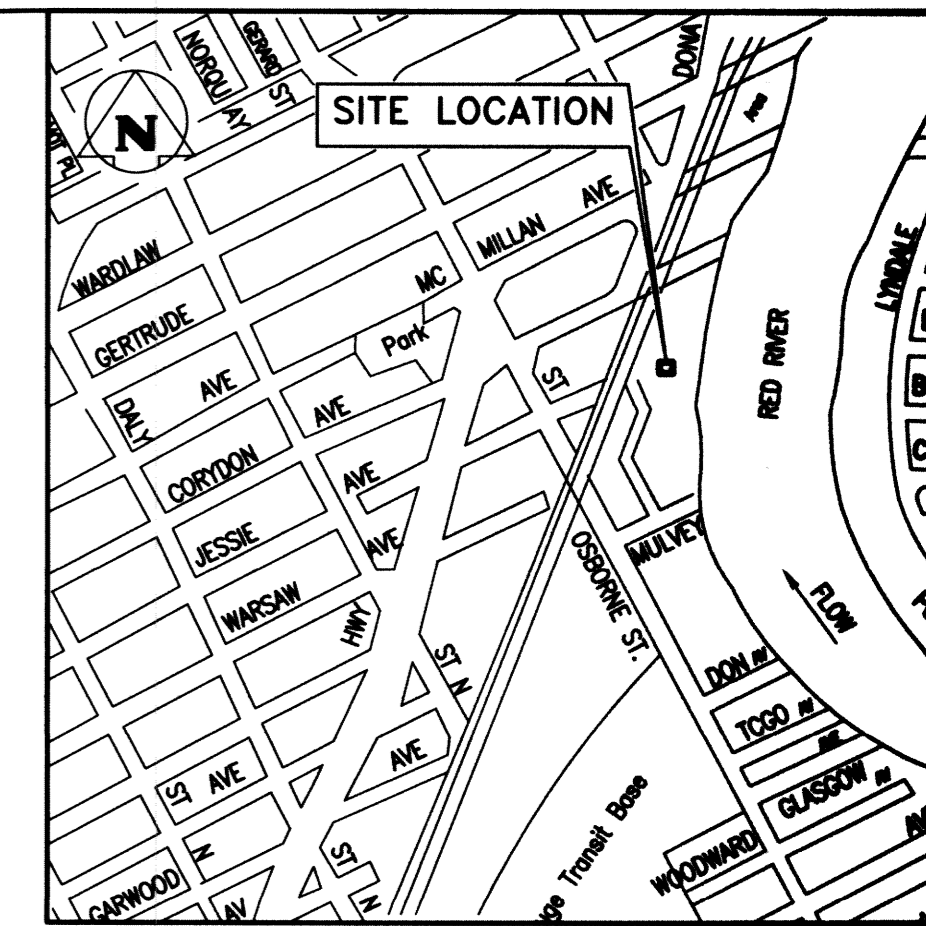


B SECTION
SCALE: 1:40



(TYPICAL ANCHOR BOLT DETAIL—TOP AND BOTTOM)

C DETAIL
SCALE: 1:10



SITE PLAN
N.T.S.

NOTE:
SITE ACCESS FROM MULVEY AVE.



SCALE: 1:40 METRIC (A1)
1:80 METRIC (A3)

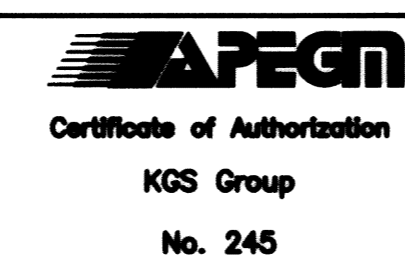


SCALE: 1:10 METRIC (A1)
1:20 METRIC (A3)

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

RECORD DRAWING
WATER & WASTE DEPARTMENT

PROJECT COMPLETION DATE : 7 MAY 13
CONTRACTOR : TRI-CORE PROJECTS MANITOBA LTD.



NO.	REVISIONS	DATE	BY
1	RECORD DRAWING	2013-07-11	CMS
0	ISSUED FOR CONSTRUCTION	2011-08-23	CMS

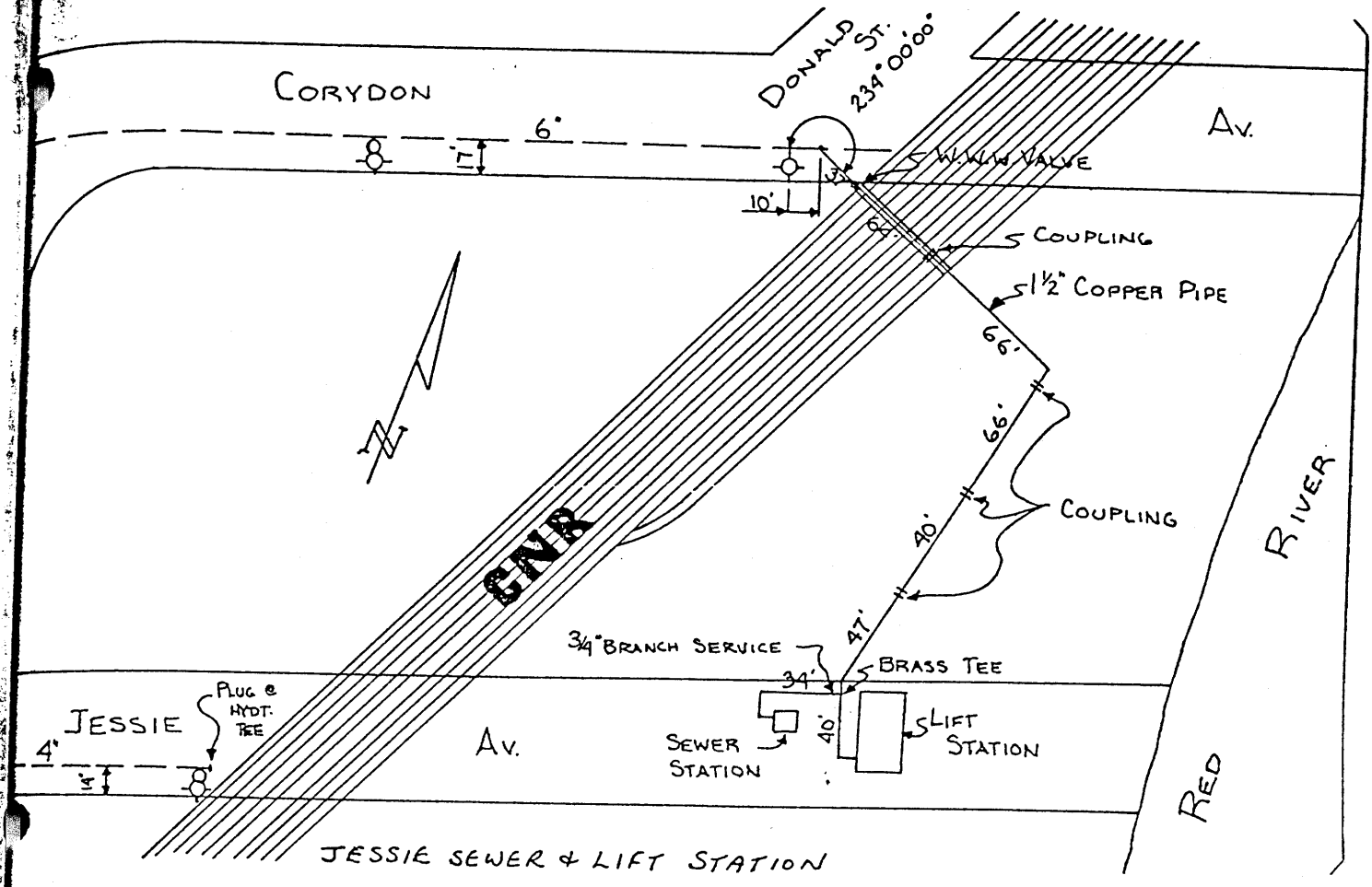
DESIGNED BY	KRD	CHECKED BY	CMS
DRAWN BY	FBV	APPROVED BY	
HOR. SCALE		RELEASED FOR CONSTRUCTION	
VERTICAL			
DATE	2011-03-01	DATE	

ENGINEER'S SEAL

 TENDER No. 1-0149F-S0001-001-Rev 1.dwg
 PLOT DATE: 2013/07/11

THE CITY OF WINNIPEG
 WATER AND WASTE DEPARTMENT
 JESSIE FLOOD PUMPING STATION
 SLIDE GATE REFURBISHMENT
STRUCTURAL
 PLAN, SECTIONS & DETAILS
 SHEET 1 OF 1
 CITY DRAWING NUMBER
 1-0149F-S0001-001

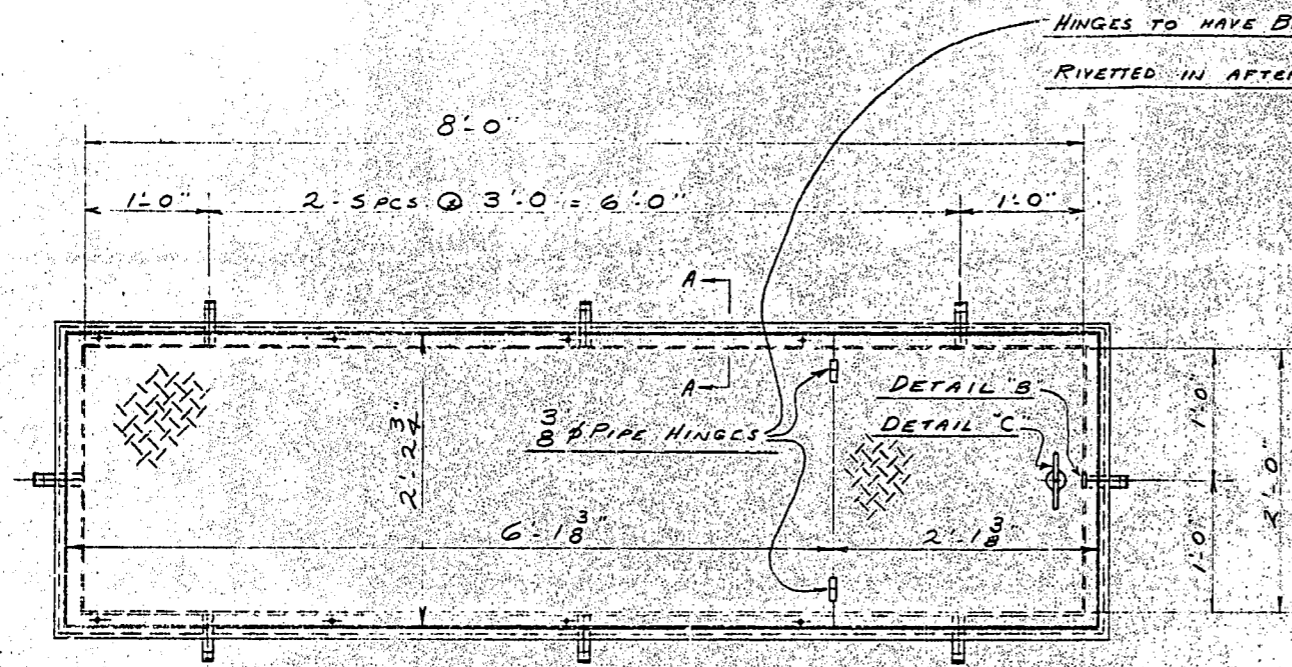
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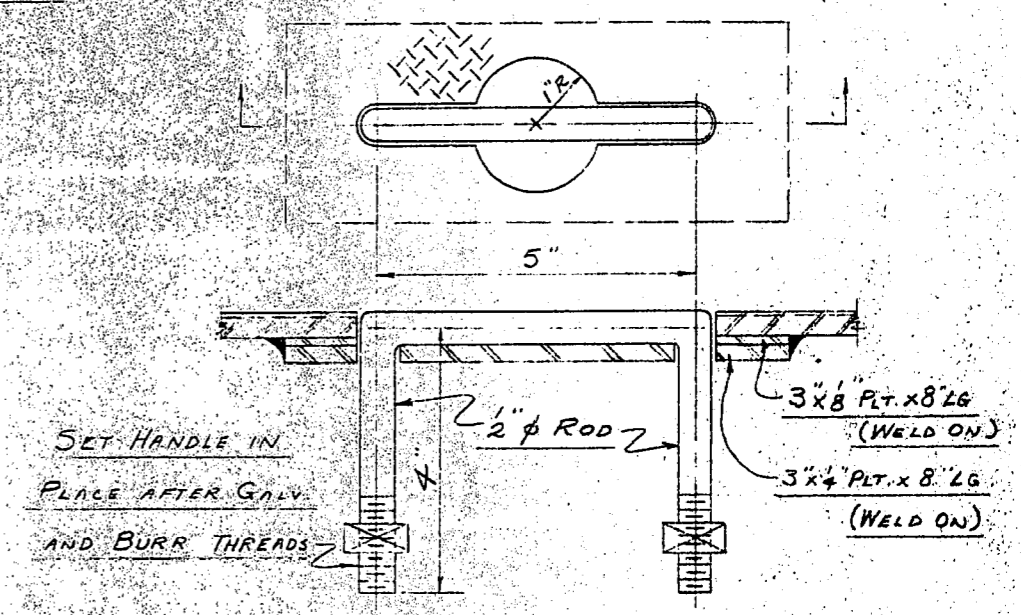
PROPERTY
 OF THE
 Watermain, Water & Sewer Department
 PUBLIC WORKS
 ENGINEERING DIVISION

Jessie Pumping Station
 watermain SERVICE

D-8372

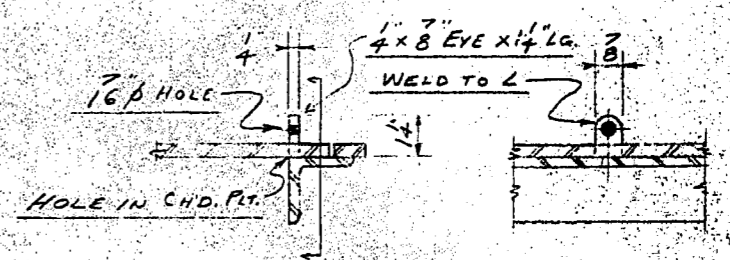


PLAN

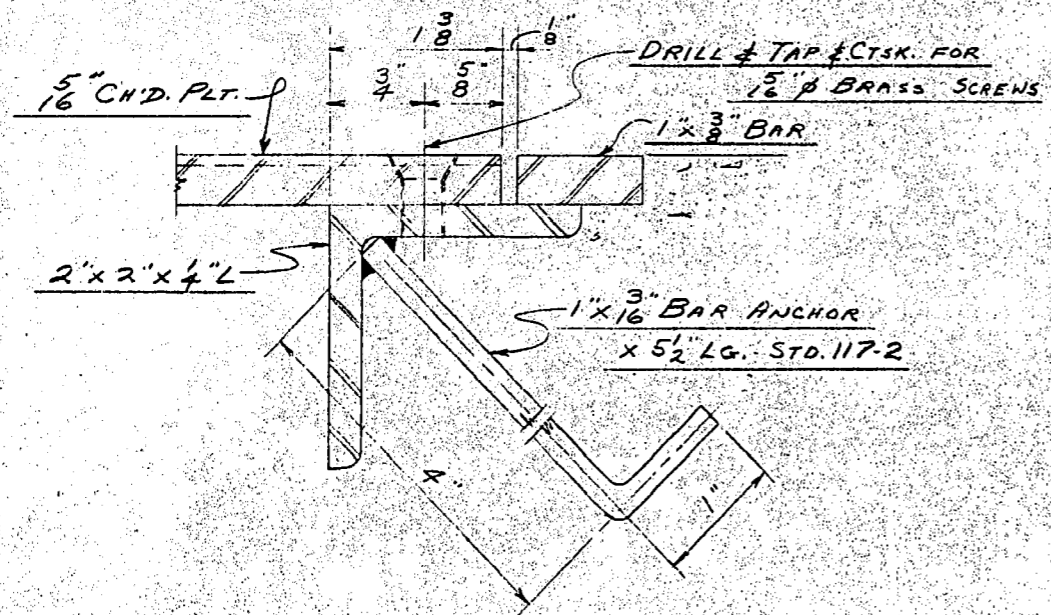


DETAIL "C" (HANDLE)
(HALF SIZE)

Dreg
B-FRAME AND COVER REQ'D AS SHOWN - MK FCI



DETAIL "B" - LOCKING DEVICE
SCALE: 3" = 1'-0"



SECTION A-A (FULL SIZE)

ALL TO BE GALVANIZED AFTER FABRICATION

APPROVED FOR CONSTRUCTION
[Signature] JAN 17 1955

JAN 17 1955
VULCAN IRON & ENGINEERING LTD.

MARK	REQ'D	SIZE & SHAPE	LENGTH	REMARKS
PAINT: HOT DIP GALVANIZED EXCEPT AS NOTED				
RIVETS: HOLES: UNLESS OTHERWISE NOTED				
VULCAN IRON & ENGINEERING LTD.				
WESTERN DIVISION OF Bridge & Tank COMPANY OF CANADA, LIMITED				
SUBJECT: REMOVABLE GALV. COVERS & FRAMES				
CUSTOMER: NELSON RIVER CONST. CO. LTD. L/6 FLOOD PUMPING STATION, JESSIE AV.				
DRAWN: TDC/JAN. 3 55				
TRACED: ORDER 433/54				
CHECKED: DRAWING 2				
ISSUED: SCALE 1" = 1'-0"				

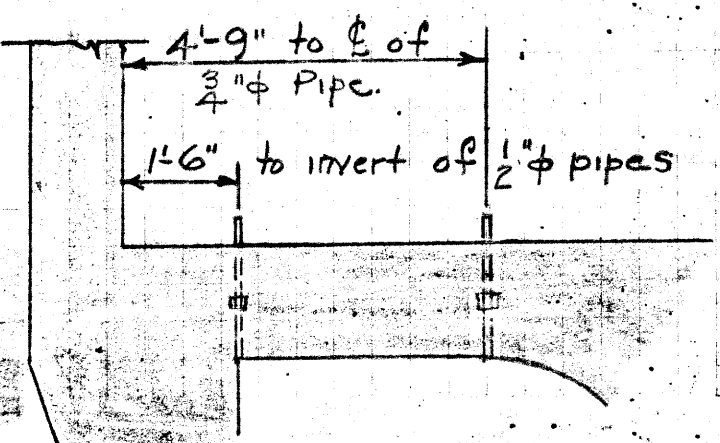
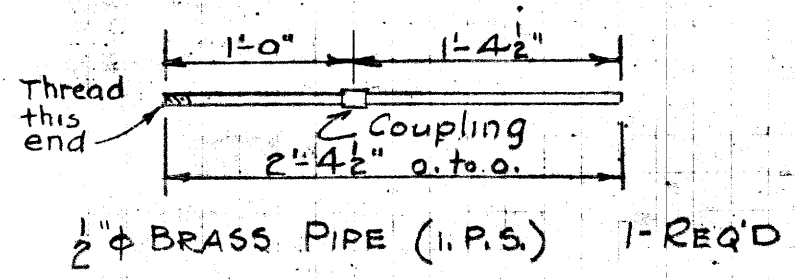
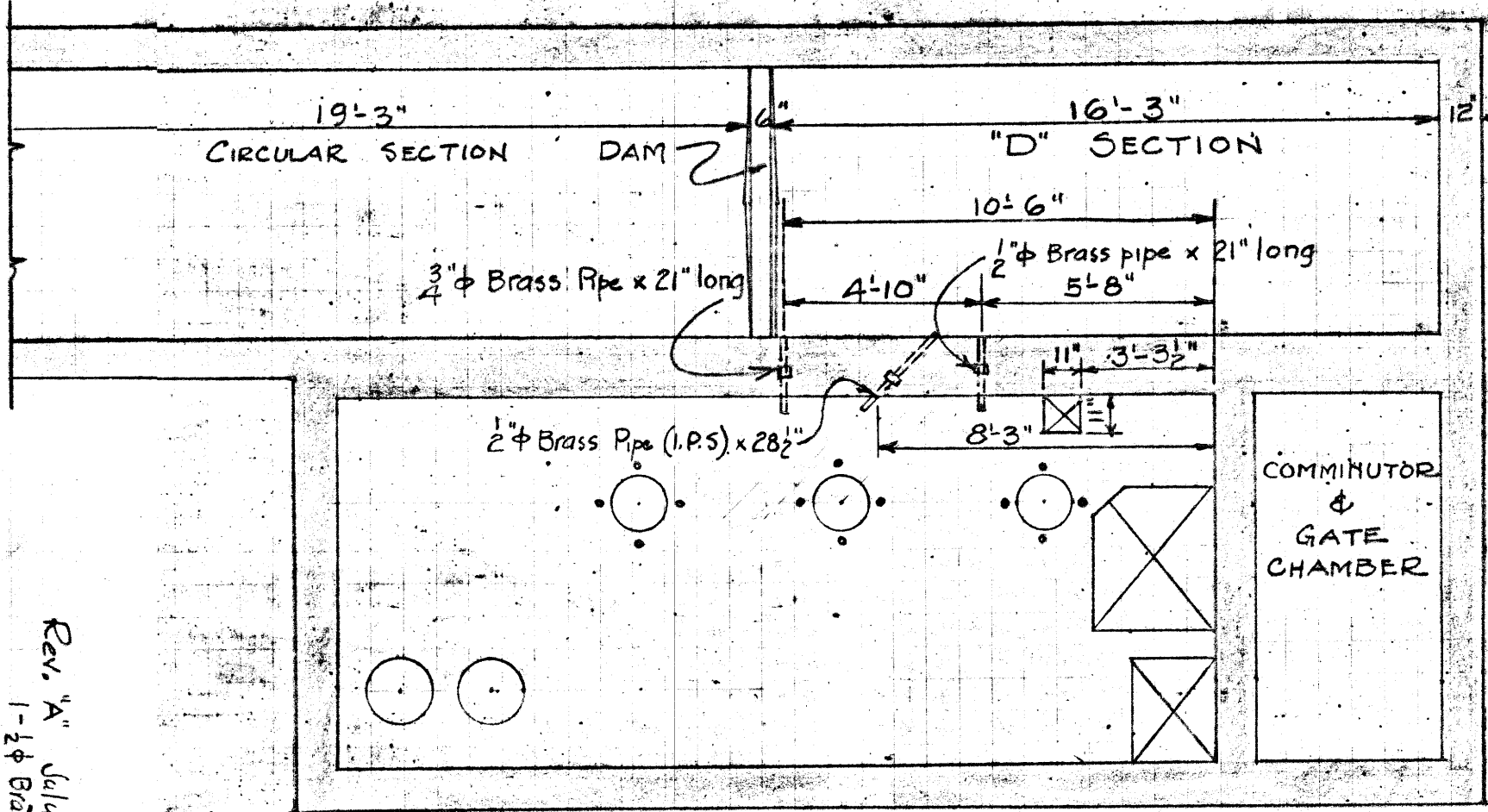
REVISIONS	REVISION DESCRIPTION
1	
2	
3	
4	

175

COMPUTED BY W.P.

CHECKED BY

MADE IN CONNECTION WITH Location of 11" x 11" hole, 2" & 3" pipe & "D" Section.



Rev. "A" July 21, 1936
1-2" φ Brass pipe 28 1/2" Long added.

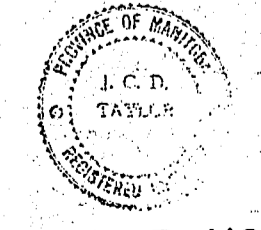
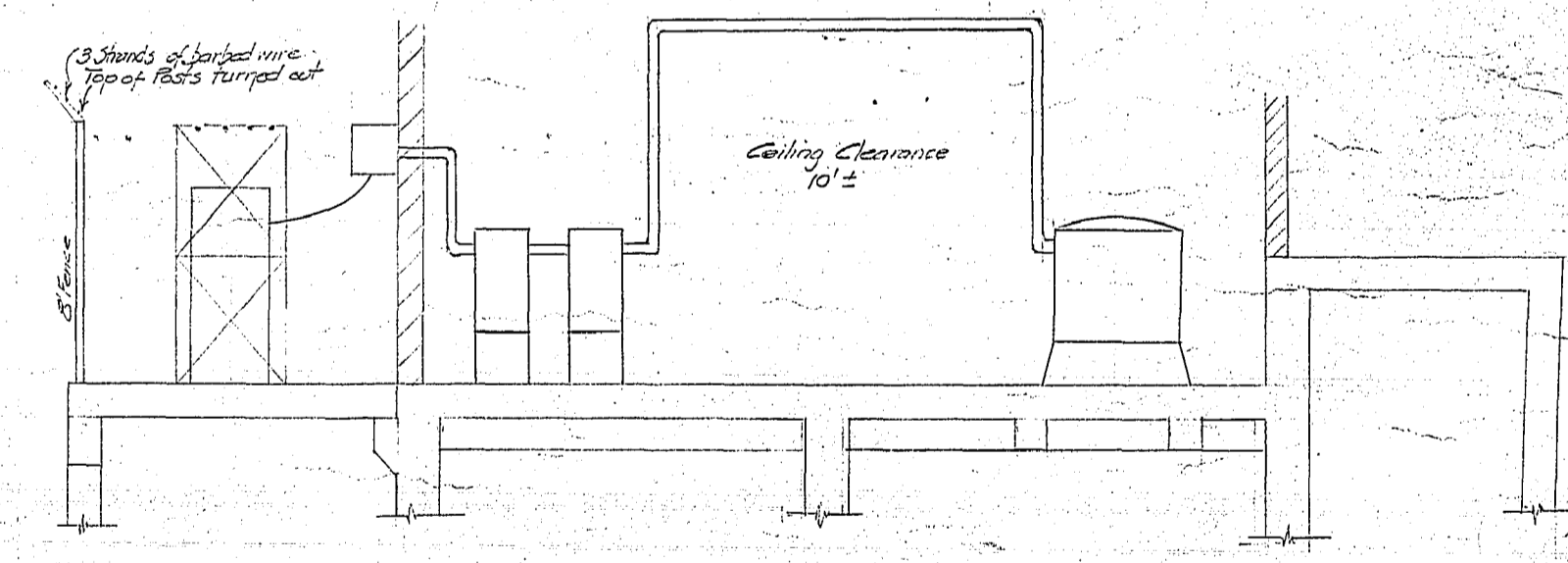
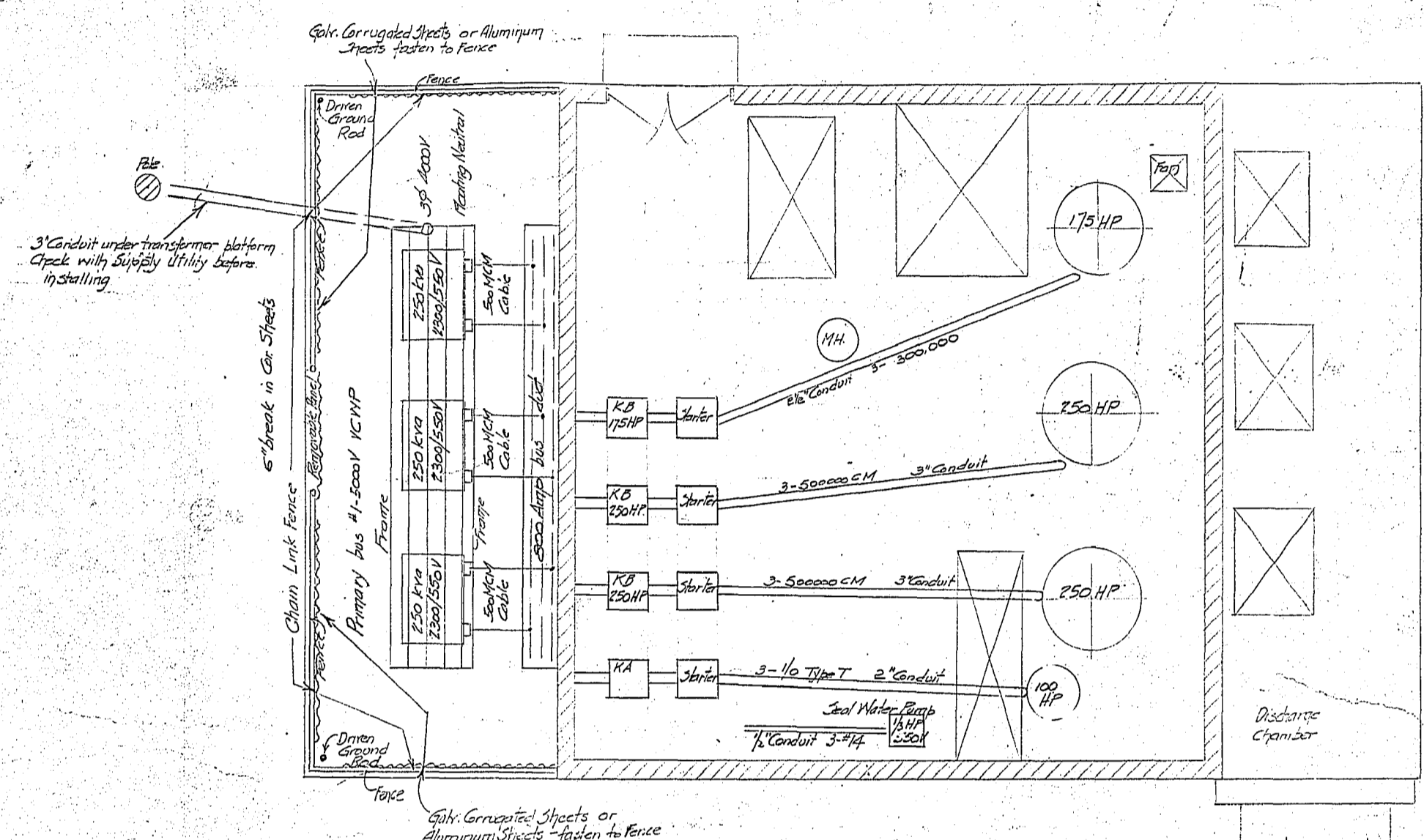
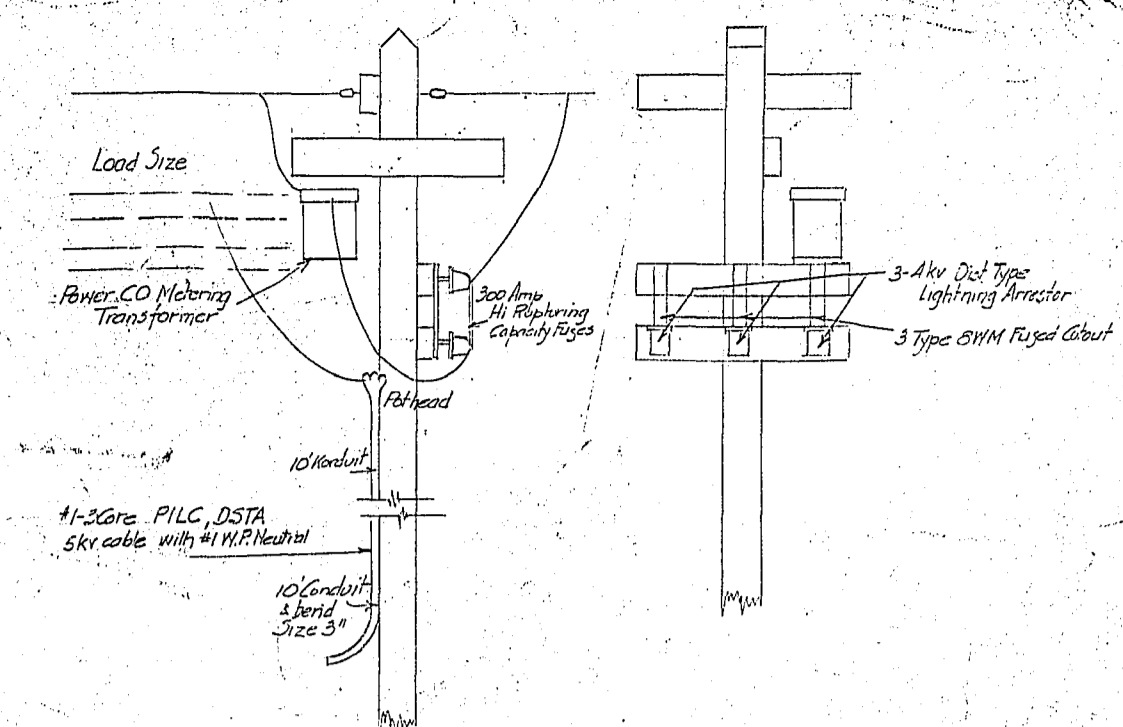
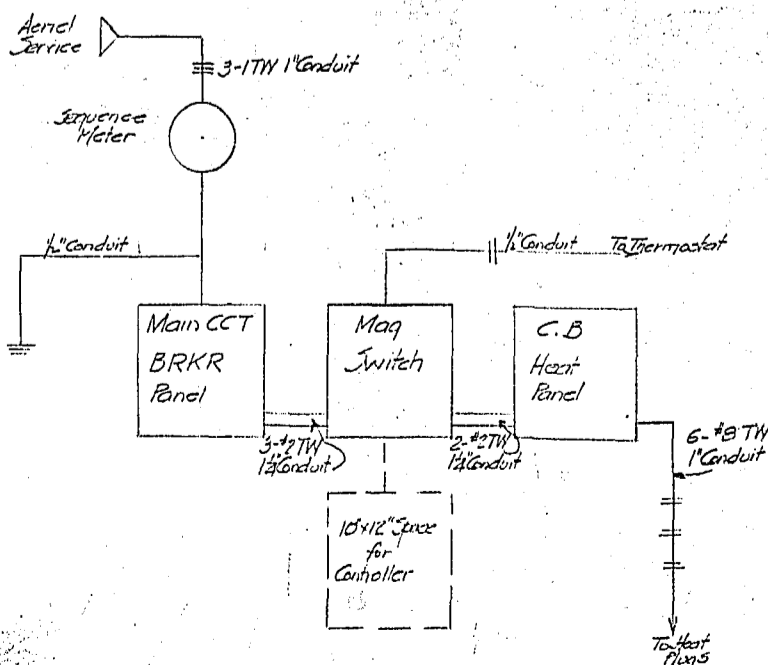
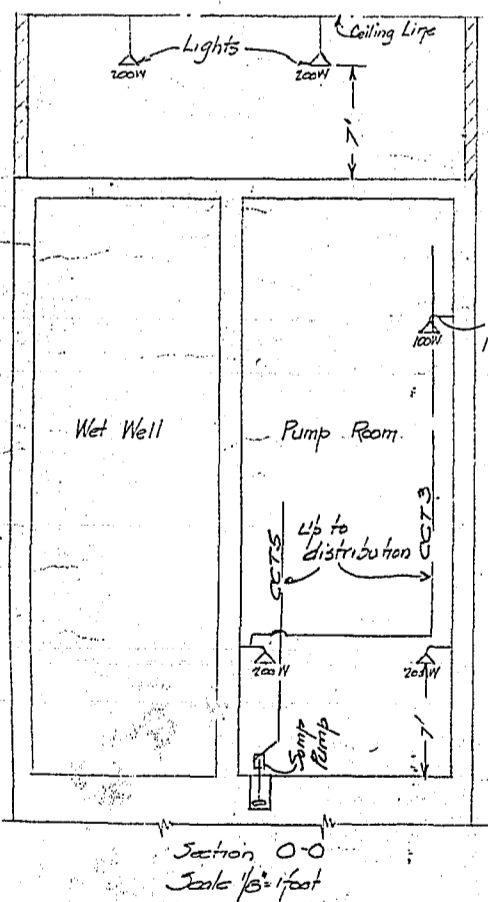
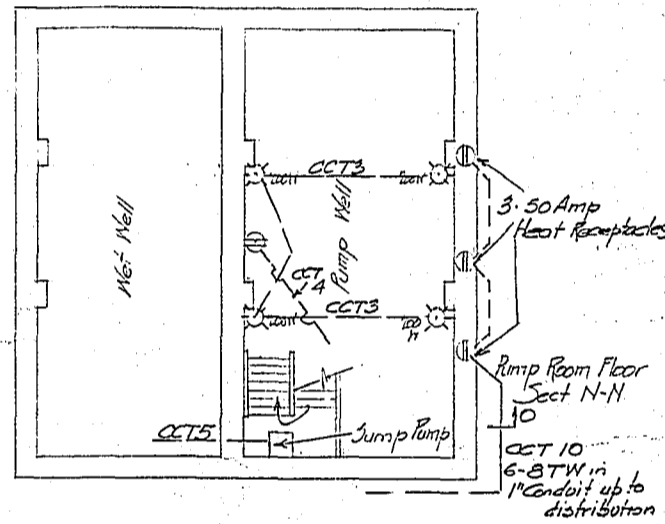
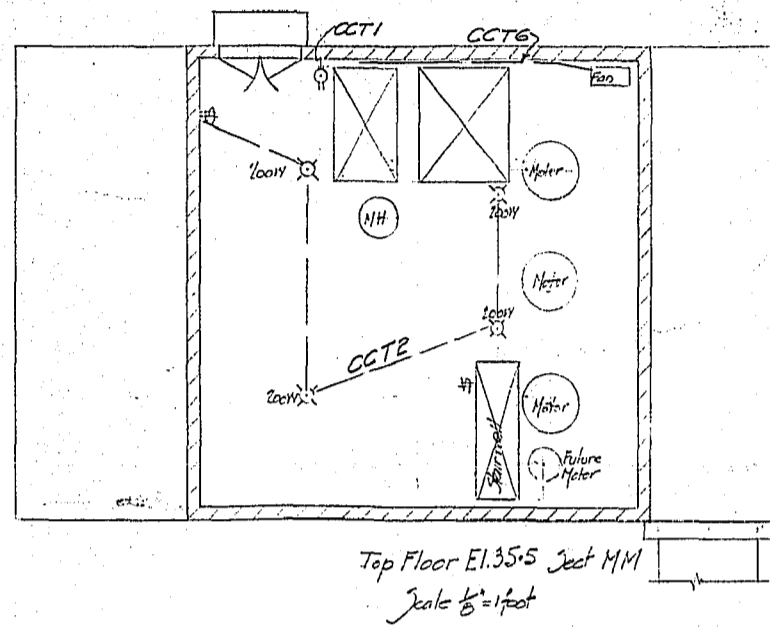
TABULATION OF CIRCUITS FOR SECONDARY PUMPING STATIONS 4,5 & 6 TABLE

CIRCUIT NUMBER	LOCATION	Dwg No	VOLTAGE	SWITCH SIZE	Breaker or fuse SIZE	No WIRES	SIZE WIRE	INSULATION	CONDUIT SIZE	Outlets, Boxes Switches or Starters Required	REMARKS
	JESSIE AVE.	163, 164 156	PUMPING STATION N° 4							2-30HP Motors installed	
D1	550V. Power Service	184	550	200	100 a.	3	1/0	R.C.	2"	1-200a. Switch in C.I. Case	
D2	Motor N°1 Feeder	184	550		40 a.	3	6	R.C.	1 1/4"	1-C.I. Magnetically operated starter for 30HP. with disconnecting switch in C.I. Case.	
D3	Motor N°2 Feeder	184	550		40 a.	3	6	R.C.	1 1/4"	1-C.I. Magnetically operated starter for 30HP. with disconnecting switch in C.I. Case.	
D4	Comminutor	184	550	30	15a. fuse 2.5d.	3	12	R.C.	3/4"	1-30 Amp. Switch in C.I. Case. 1- 2 HP. Hand Operated Starter in C.I. Case.	
D5	Control Circuit	184	550			6	12	R.C.	1"	1-Float Operated Controller for control of 3 Motors. with 3 "Handoff-automatic" switches on case.	
D6											
D7	Lighting Circuit	184	120	30	15 a.	2	12	R.C.	3/4"	7-Vapor proof fixtures (V2759) with 60 W. Lamps. 1-20 Amp. Tumbler Switch with Plate, D5 32g. 1- Plug Receptacle & Housing BRD 7302.	1- Portable Handlamp for details see Dwg N° M61
	RIVER AVE.	171	PUMPING STATION N° 5							2-15HP Motors Installed. Dip Service installed.	
E1	550V. Power Service	184	550	60	40 a.	3	#6	R.C.	1 1/4"	1-60 a. Switch in C.I. Case.	
E2	Motor N°1 Feeder	184	550		18.75 a.	3	12	R.C.	3/4"	1-C.I. Magnetically operated starter for 15HP, with disconnecting switch in C.I. Case.	
E3	Motor N°2 Feeder	184	550		18.75 a.	3	12	R.C.	3/4"	1-C.I. Magnetically operated starter for 15HP, with disconnecting switch in C.I. Case.	
E4	Comminutor	184	550	30	15a. fuse 2.0a.	3	12	R.C.	3/4"	1-30 Amp. Switch in C.I. Case. 1- 1 1/2 HP. Hand Operated Starter in C.I. Case.	
E5	Control Circuit	184	550			6	12	R.C.	1"	1-Float Operated Controller for control of 2 Motors with 2 "Handoff-automatic" switches on case.	
E6											1-Vapor proof Handlamp Portable for details see Dwg. M61
E7	Lighting Circuit	184	120	30	10 a.	2	12	R.C.	3/4"	5-Vapor proof Fixtures (V2759) with 60 W. Lamps. 1-20 Amp. Tumbler Switch with plate, D5 108. 2- Plug Receptacle & housing BRD 8302.	1-550/120V. Dry Type Trans- former for lighting, supplied by G.W.S.D.
	MARION ST.	173, 156.	PUMPING STATION N° 6							1-30HP. & 1-25HP. Motor Installed.	
F1	550V. Power Service	184	550	100	80 a.	3	#2	R.C.	1 1/2"	1-100 Amp. Switch in C.I. Case.	
F2	Motor N°1 Feeder	184	550		40 a.	3	6	R.C.	1 1/4"	1-C.I. Magnetically operated starter for 30HP. with disconnecting switch in C.I. Case.	
F3	Motor N°2 Feeder	184	550		32.5 a.	3	6	R.C.	1 1/4"	1-C.I. Magnetically operated starter for 25HP, with disconnecting switch in C.I. Case.	
F4	Comminutor	184	550	30	15a. fuse 2.0a.	3	12	R.C.	3/4"	1-30 Amp. Switch in C.I. Case. 1- 1 1/2 HP. Hand Operated Starter in C.I. Case.	
F5	Control Circuit	184	550			6	12	R.C.	1"	1-Float Operated Controller for control of 2 Motors with 2 "Handoff-automatic" switches on case.	
F6											
F7	Lighting Circuit	184	120	30	15 a.	2	12	R.C.	3/4"	7-Vapor proof Fixtures (V2759) with 60 W. Lamps. 1-20 Amp. Tumbler Switch with plate, D5 32g. 1- Plug Receptacle & housing BRD 7302.	1-Vapor proof Portable Handlamp for details see Dwg. M61

Micro-Filmed 1965

GREATER WINNIPEG SANITARY DISTRICT
DATE DEC. 31-1936 DRAWING NO M62
DRAWN L.M. Checked M.T. CONTRACT NO. 44

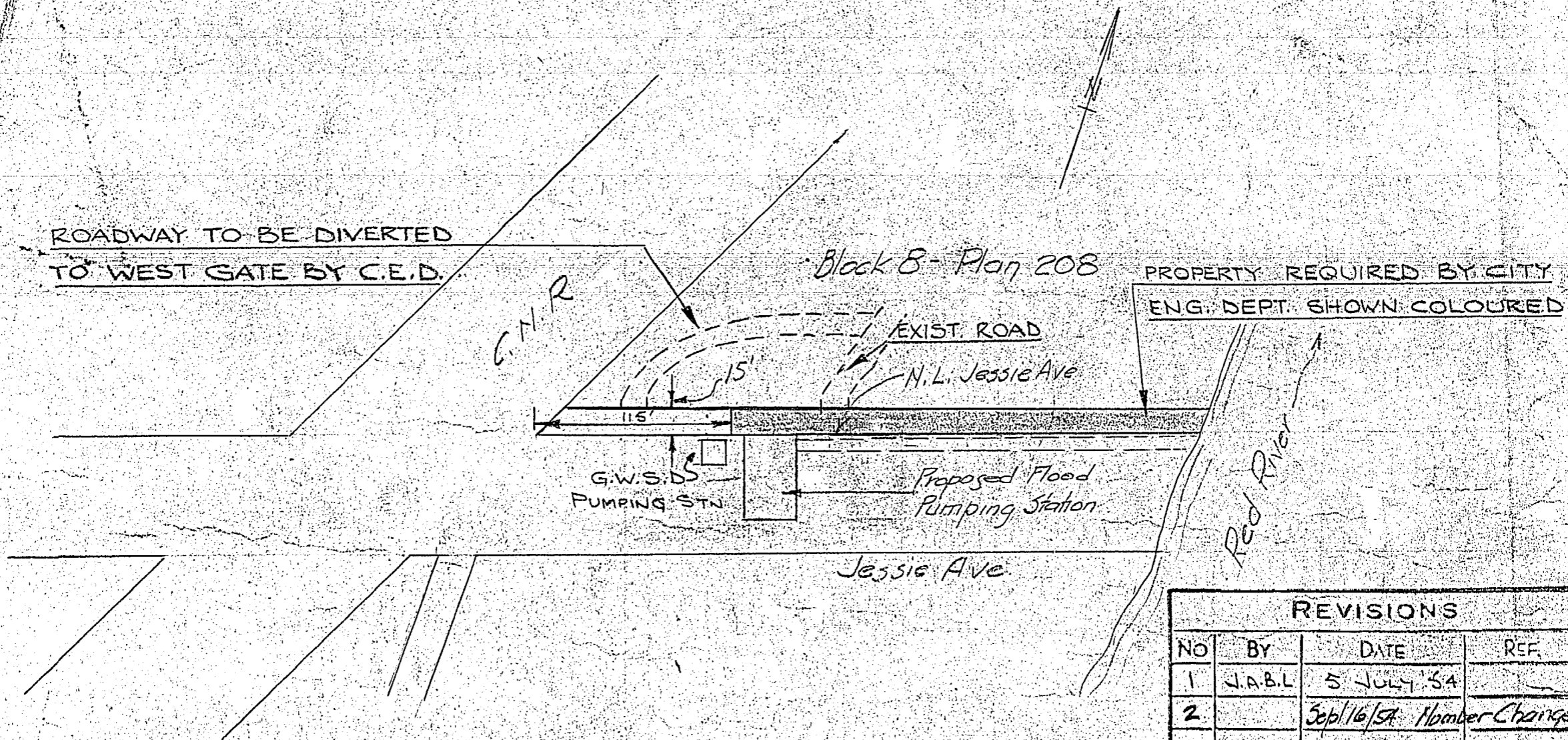
CCT	Description	C.B.
1	Plug top floor	15 Amps
2	Top Floor Lights 4-200W	15 Amps
3	Pump Room Lights 4-200W	15 Amps
4	Plug Pump Room Floor	15 Amps
5	Jump Pump 1/2 HP	20 Amps
6	Fan 1/2 HP	20 Amps
7	Spare	
8	"	
9	"	
10	Heat Sub	30A 1p.



ROADWAY TO BE DIVERTED
TO WEST GATE BY C.E.D.

Block 8 - Plan 208

PROPERTY REQUIRED BY CITY
ENG. DEPT. SHOWN COLOURED



REVISIONS			
NO	BY	DATE	REF.
1	J.A.B.L.	5 JULY '54	
2		Sept 16/54	Number Changed

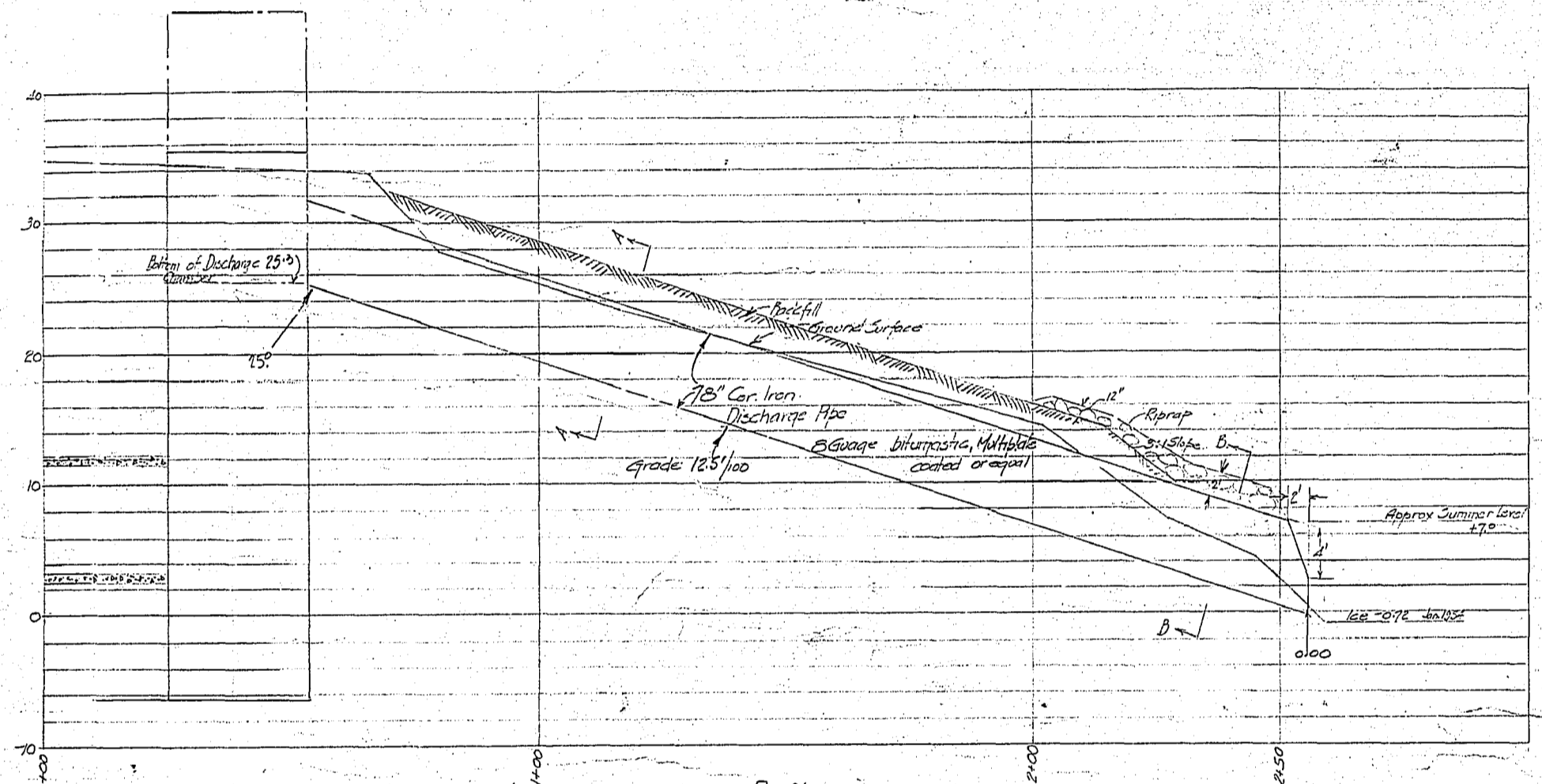
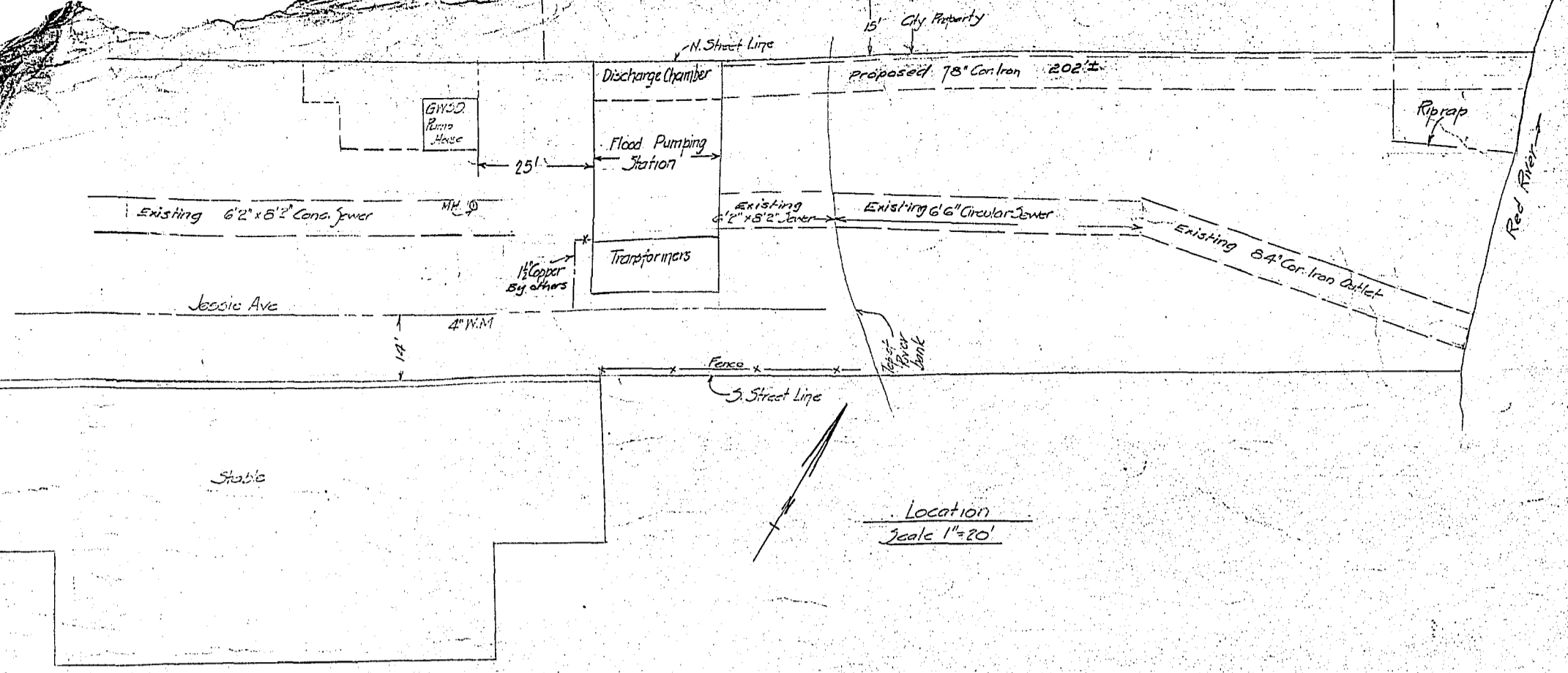
Jessie Avenue Flood Pumping Station
Sketch of
Extra Property Required

CITY OF WINNIPEG
ENGINEERING DEPARTMENT
W. D. HURST, CITY ENGINEER
A. J. S. TAUNTON, DEPUTY CITY ENGINEER

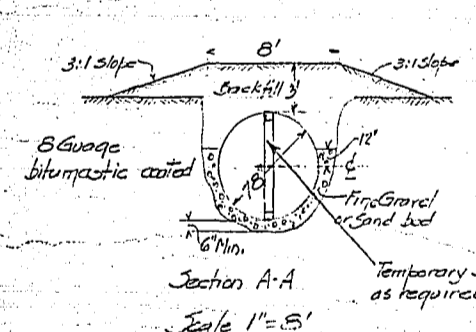
DRAWN BY: *W.D.* DATE: *July 14, 1954*
TRACED BY:
CHECKED BY:
APPROVED:

SCALE
1" = 100'
DRAWING NO.
683-1

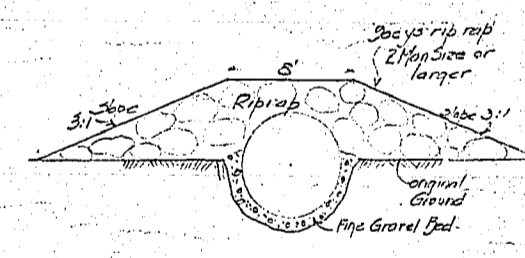
R-107



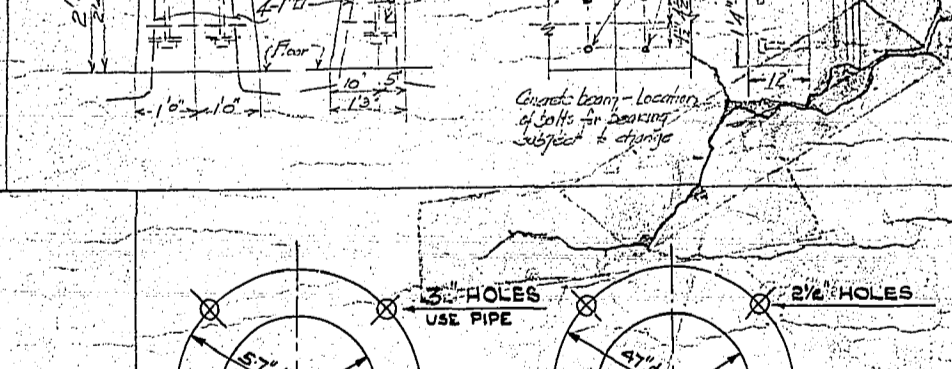
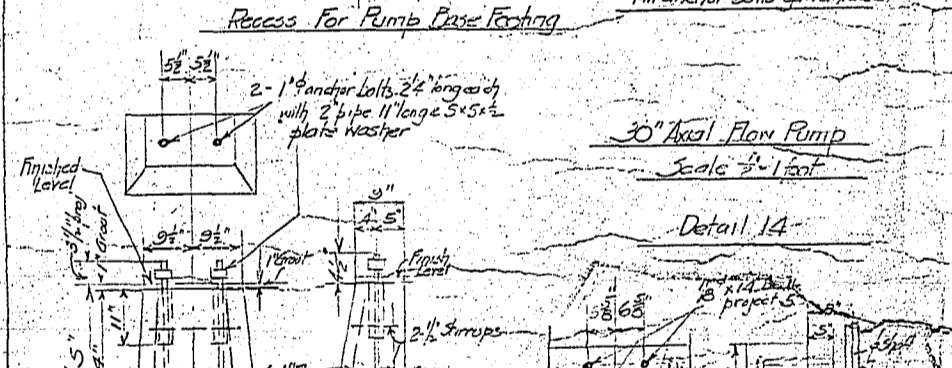
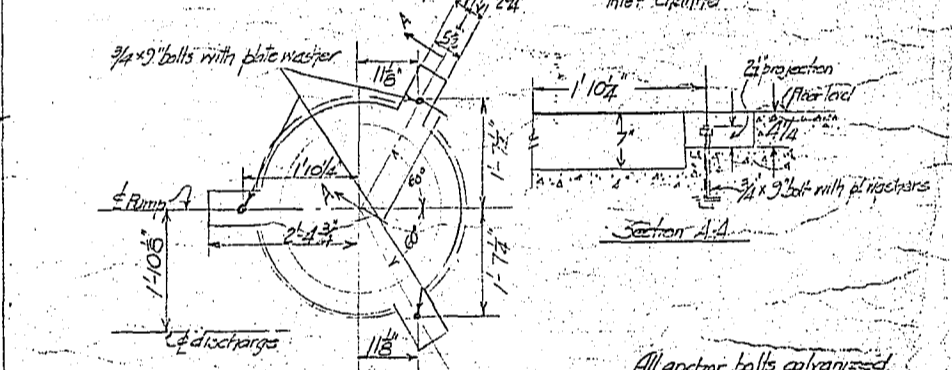
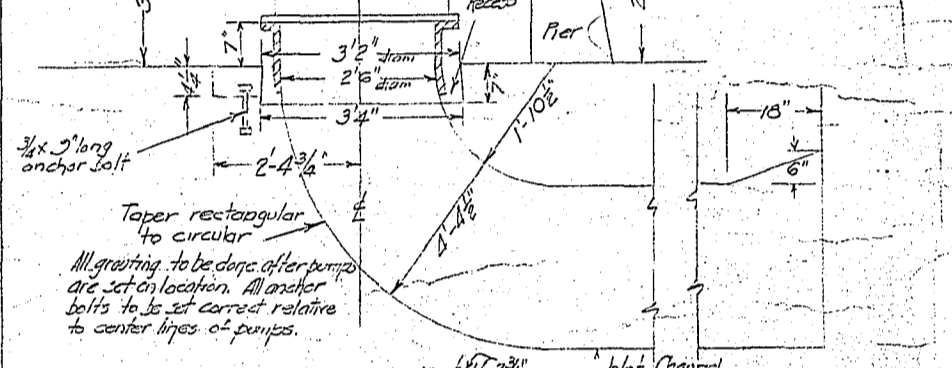
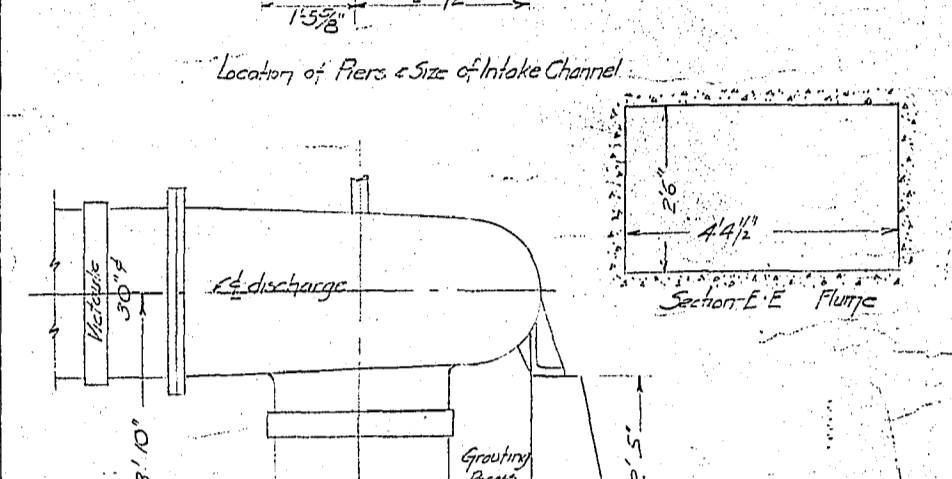
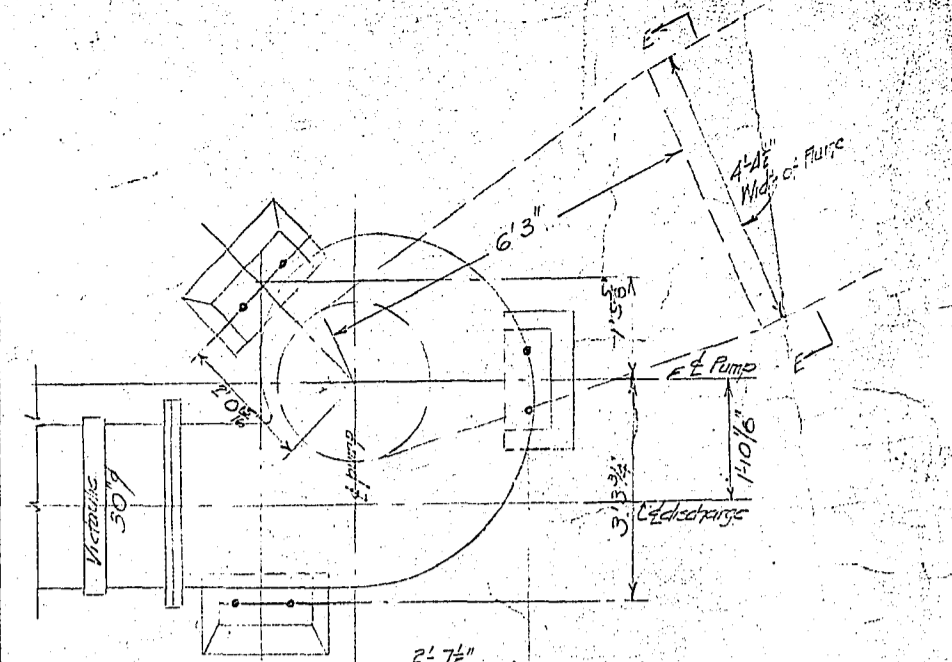
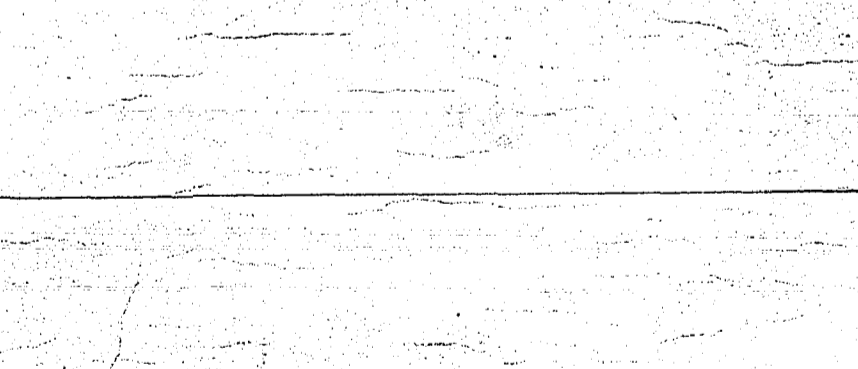
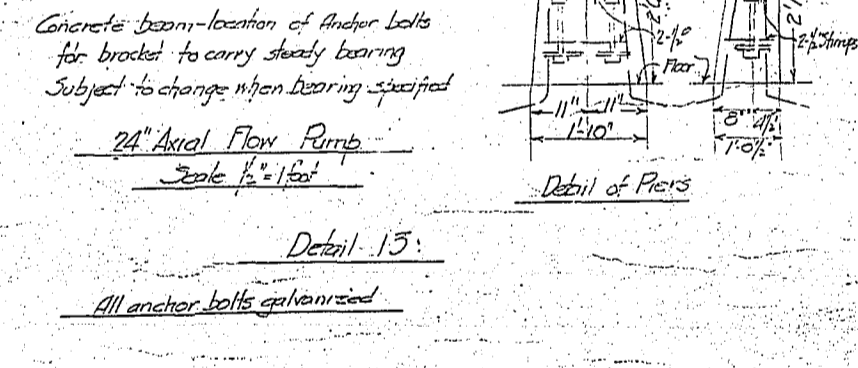
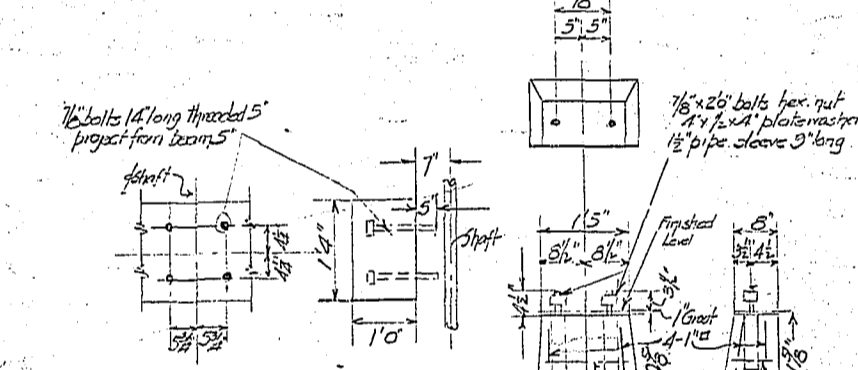
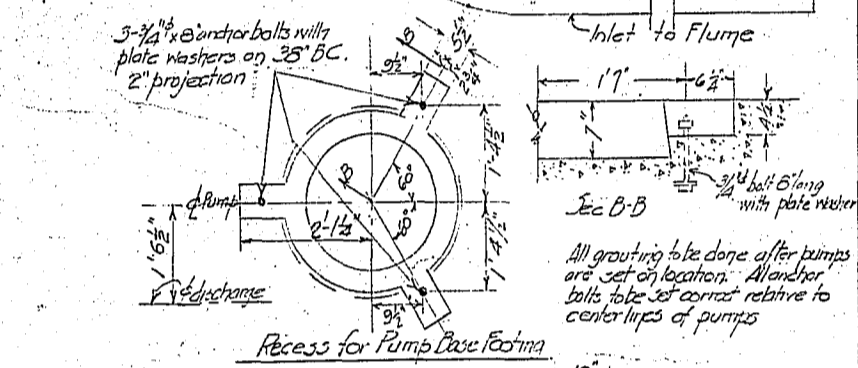
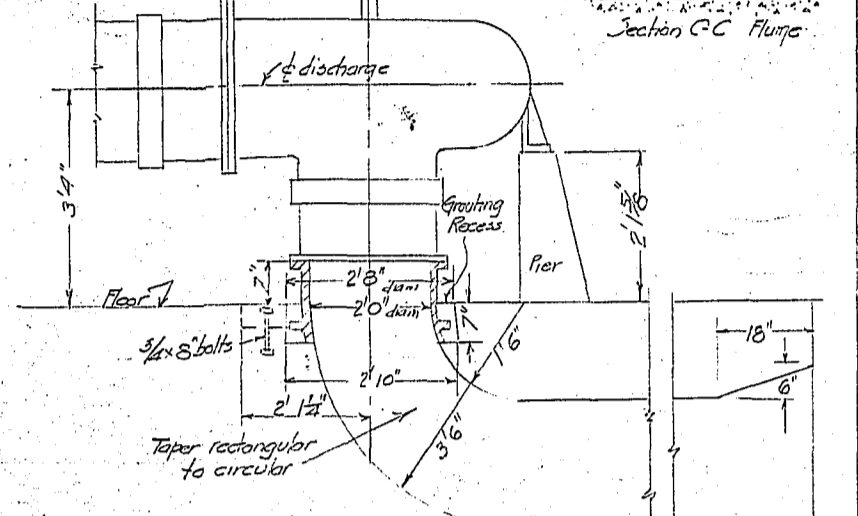
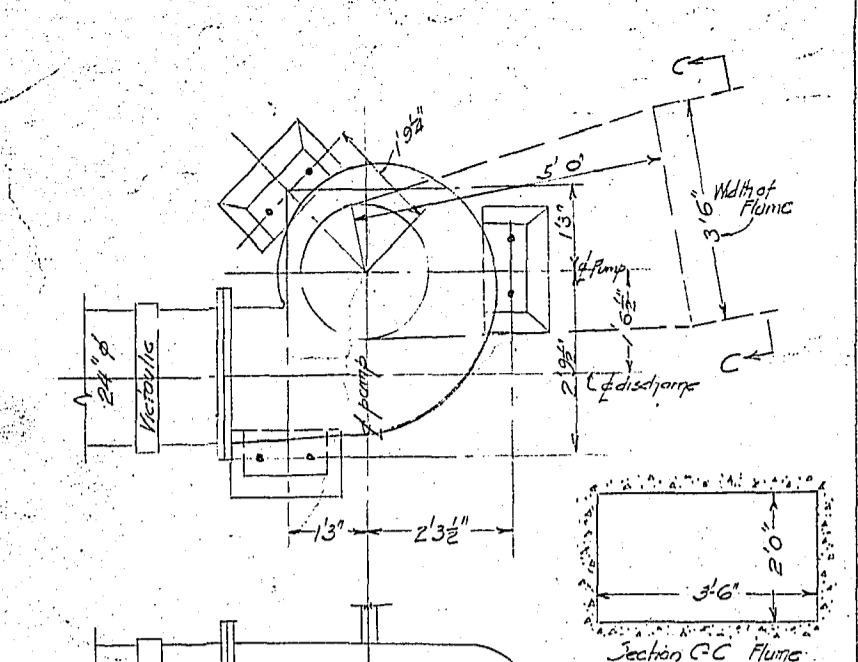
Profile
 Scales: Hor 1"=20'
 Ver 1"=8'



Section A-A
 Scale 1"=8'



Section B-B
 Scale 1"=8'



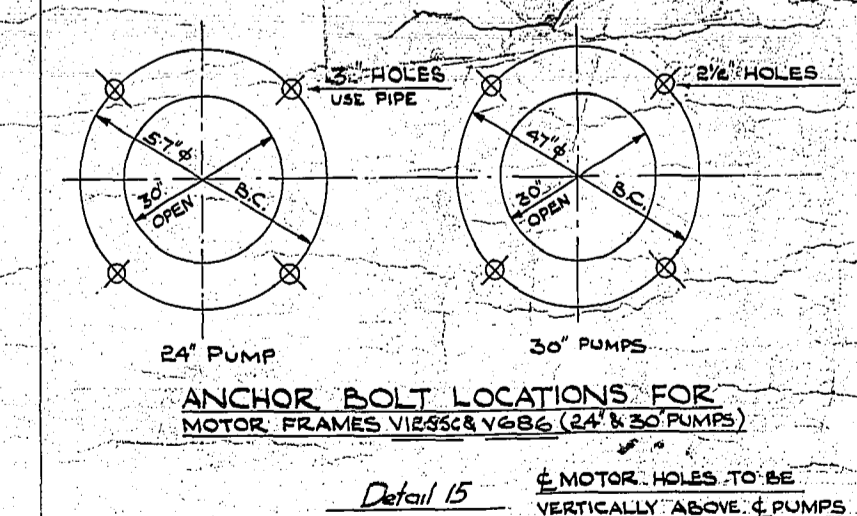
Concrete beam - location of anchor bolts for bracket to carry steady bearing. Subject to change when bearing specified.

24" Axial Flow Pump
 Scale 1/4"=1'0"

Detail 13:
 All anchor bolts galvanized.

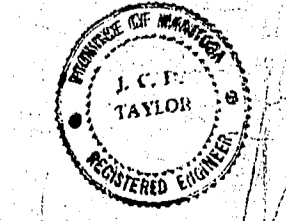
30" Axial Flow Pump
 Scale 1/4"=1'0"

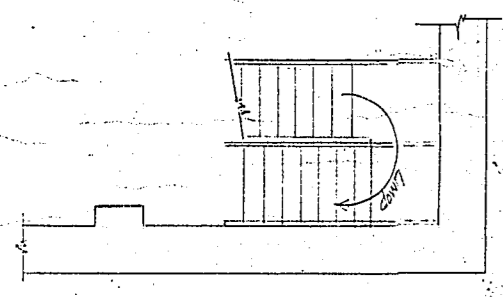
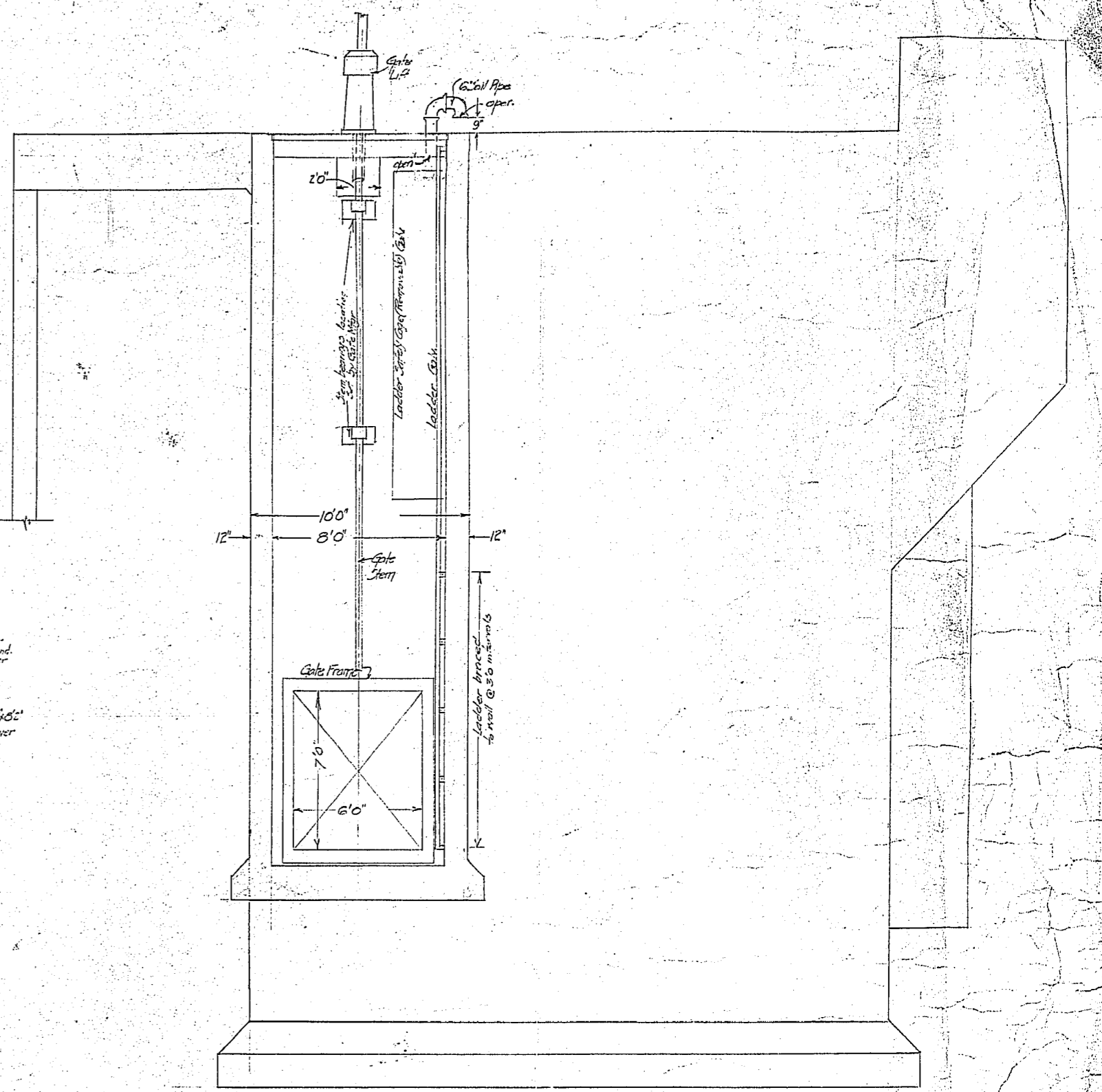
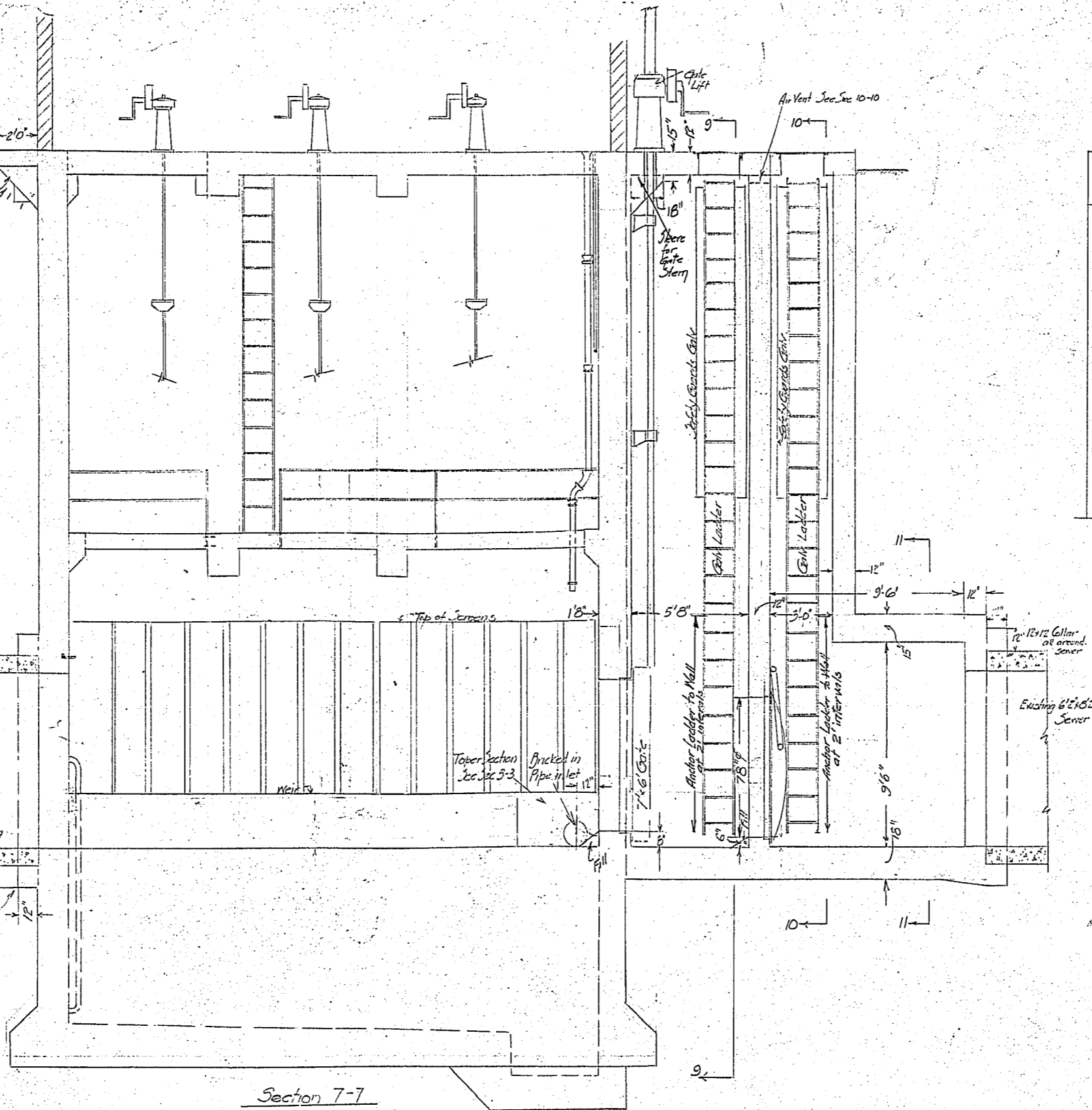
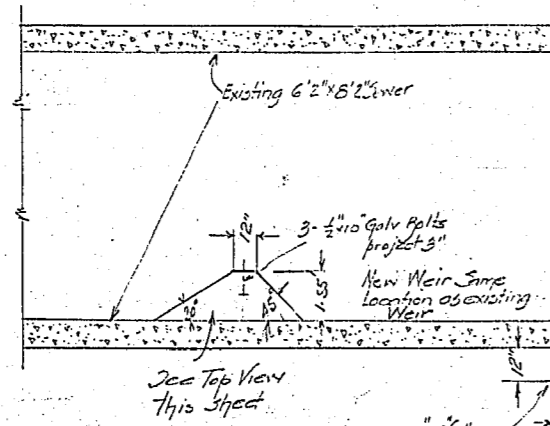
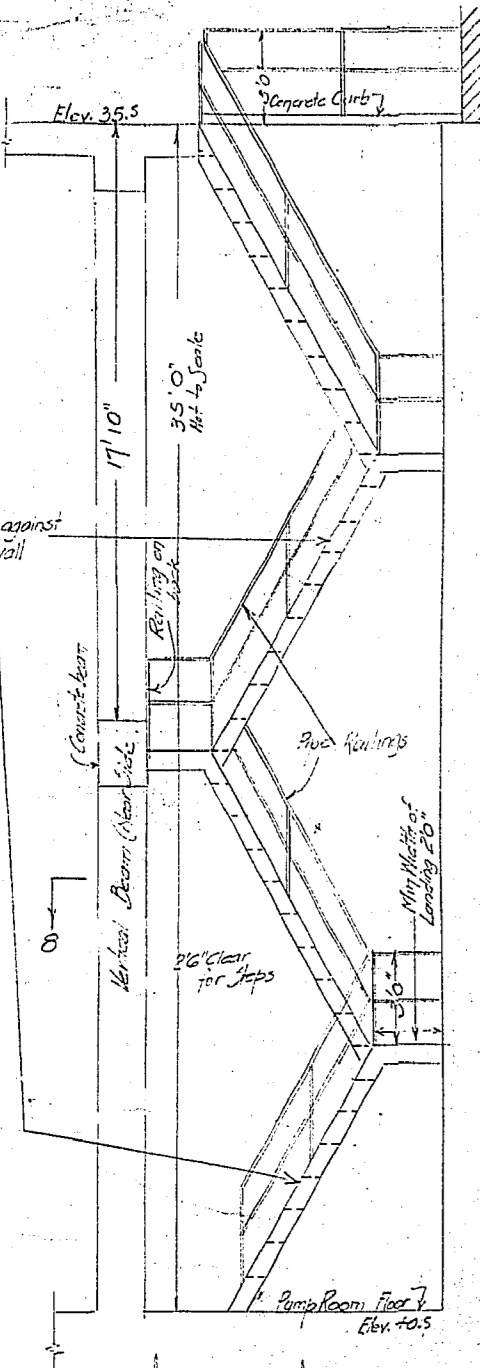
Detail 14:
 All anchor bolts galvanized.



Detail 15
 MOTOR HOLES TO BE VERTICALLY ABOVE PUMPS

REVISIONS				
No.	BY	DATE	REASON	REC.
1	J.A.B.	14 APRIL '55	REVISED	

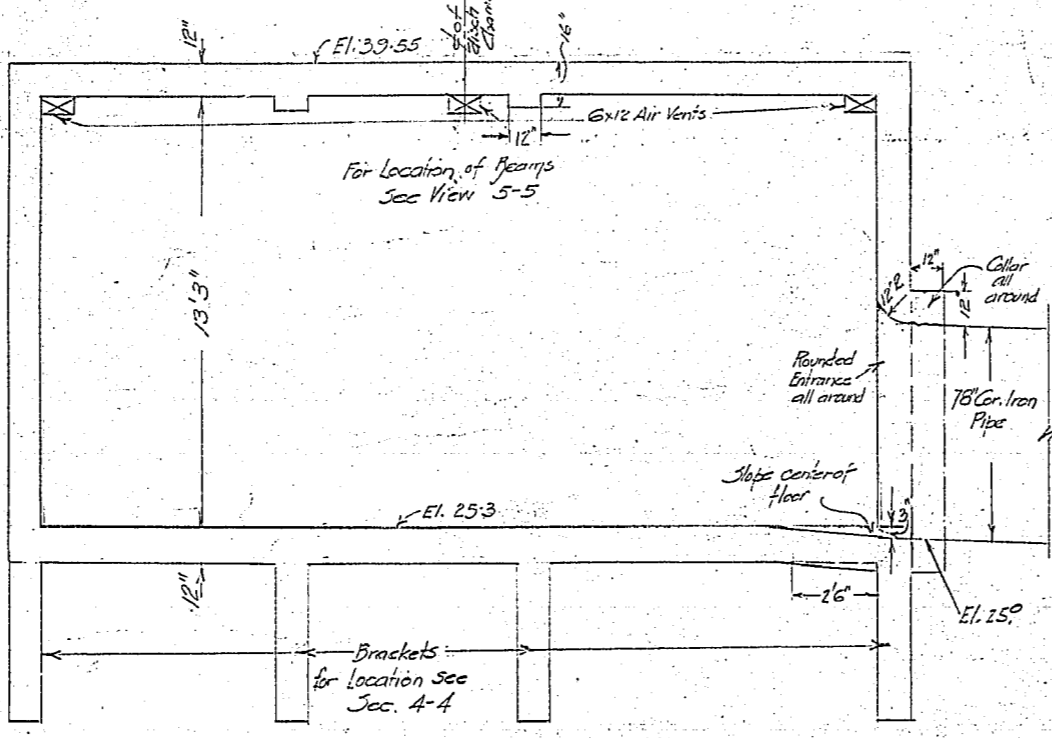




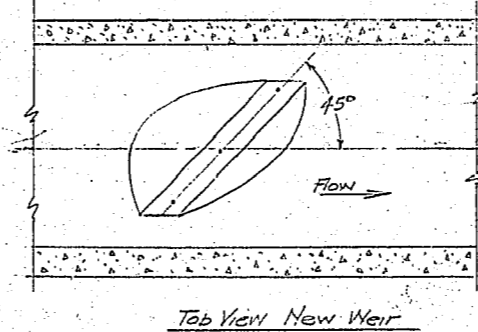
Ships ladder - supports not shown
Scale 1/4" = 1'-0"

Section 7-7

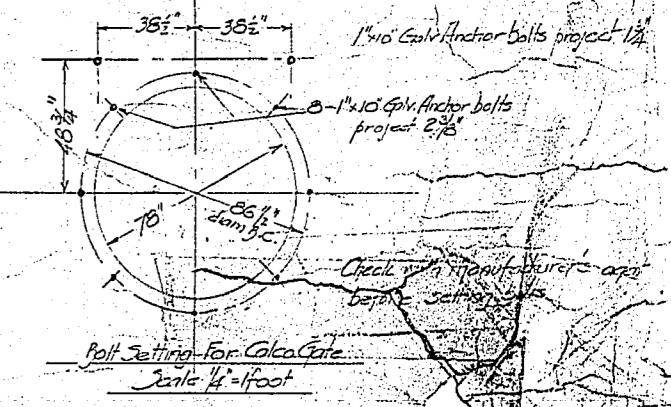
Section 9-9



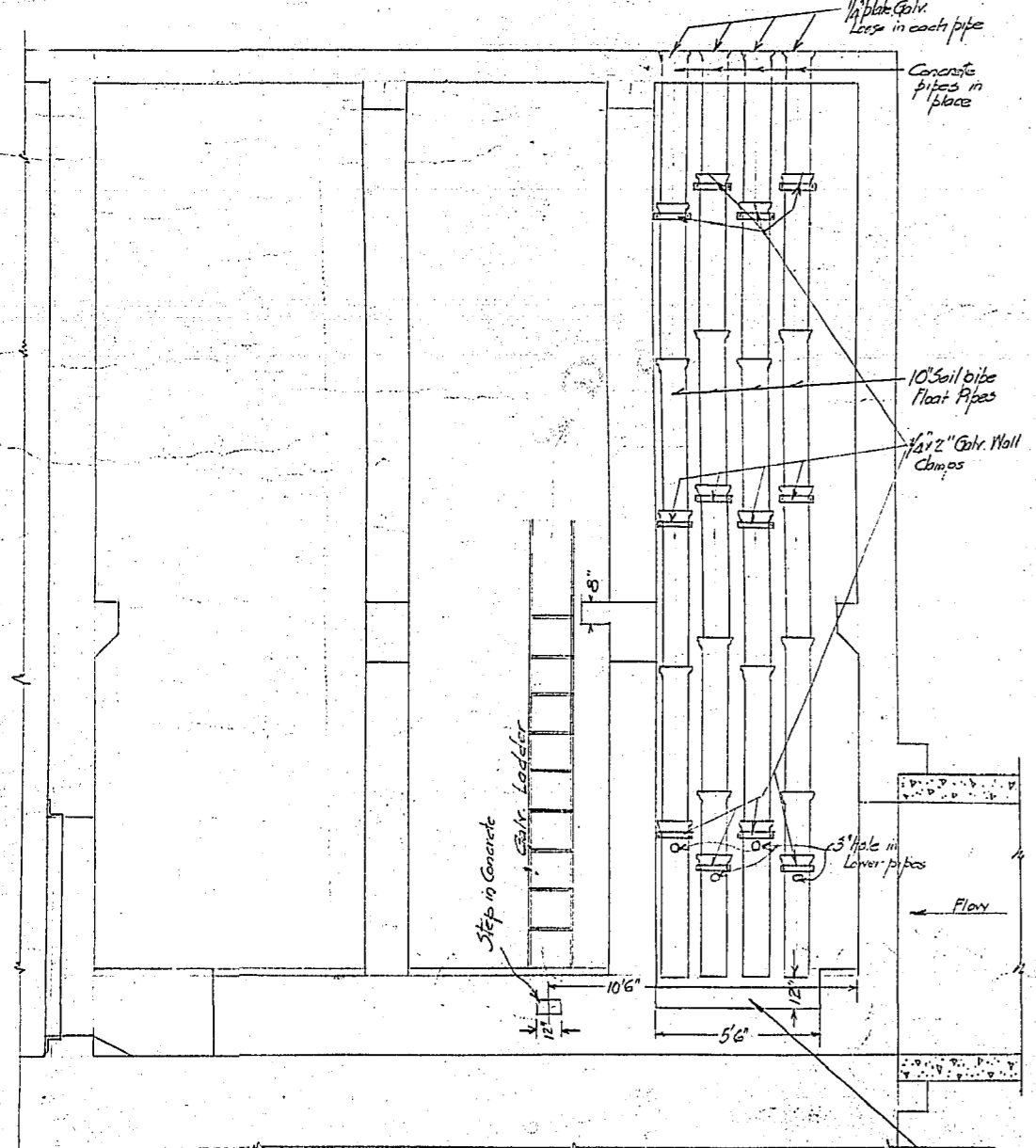
Section 12-12



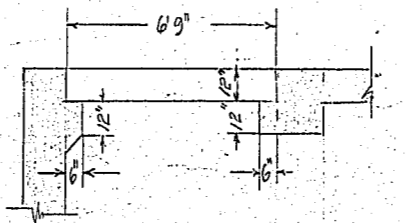
Top View New Weir



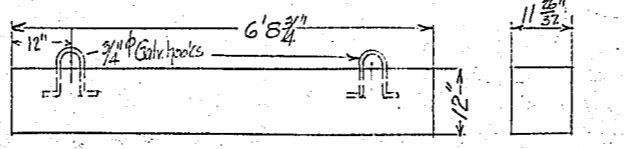
Ball Setting for Calca Gate
Scale 1/4" = 1'-0"



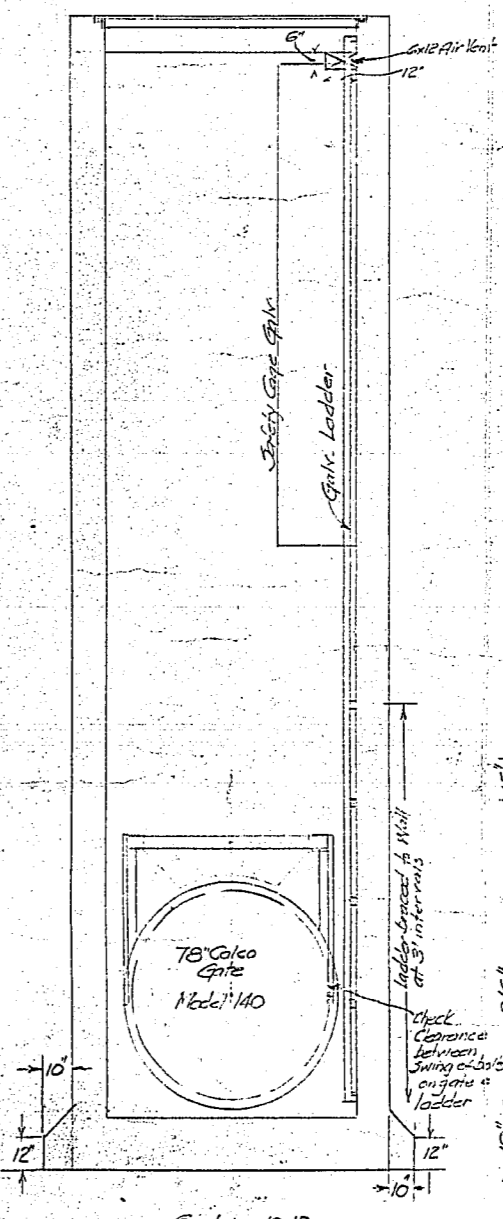
Section 14-14



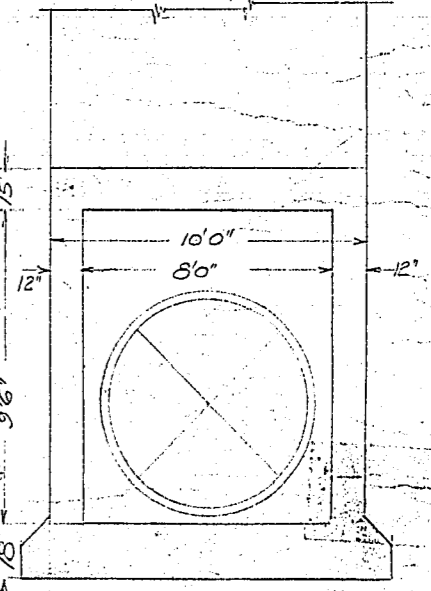
Section 13-13



Removable Slabs - 4 required
Scale 1/4" = 1'-0"



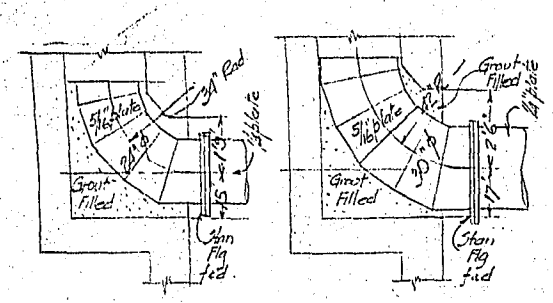
Section 10-10



Section 11-11

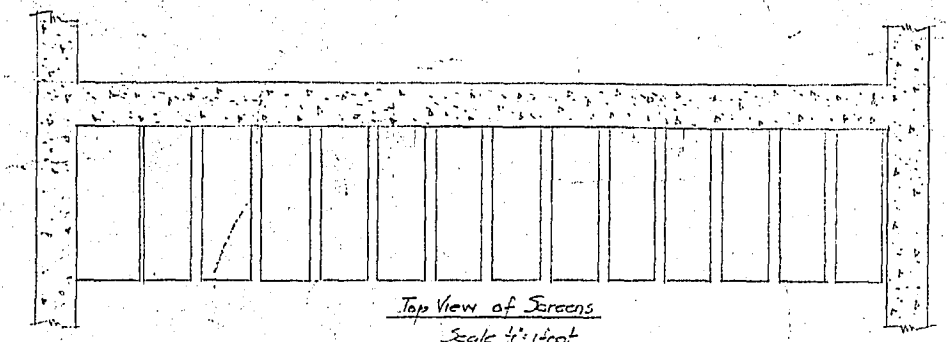


R-110



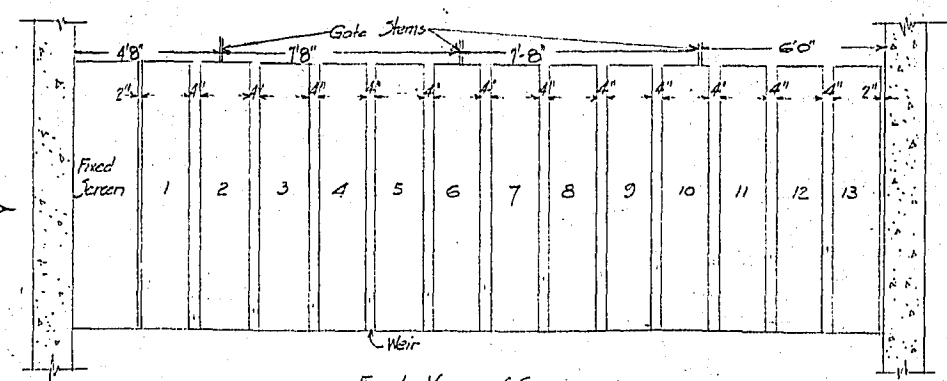
Pump Discharges

Detail 1



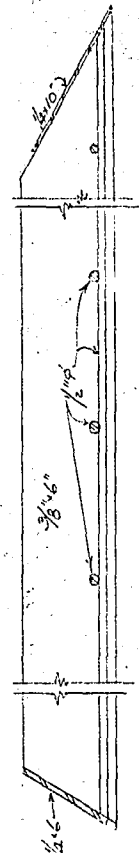
Top View of Screens

Scale 1/2" = 1' foot



Front View of Screens

Scale 1/2" = 1' foot

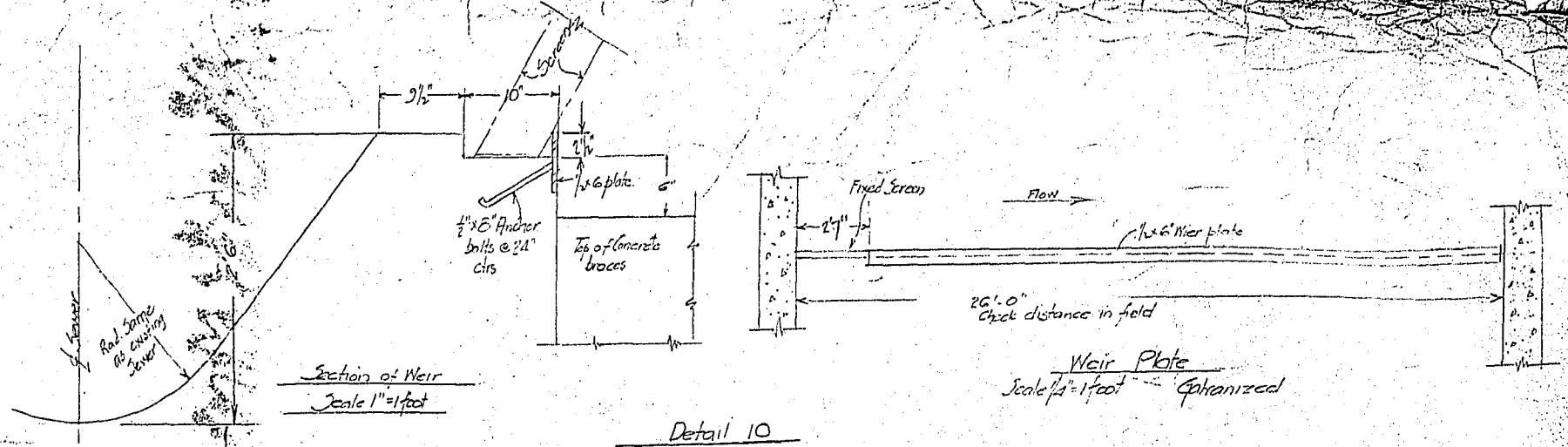


Screens 1-13 inclusive

Scale 1/2" = 1' foot

All Welded

Screens
Scales as shown
Screens Galv. all over
Check in field clearance between weirs



Section of Weir

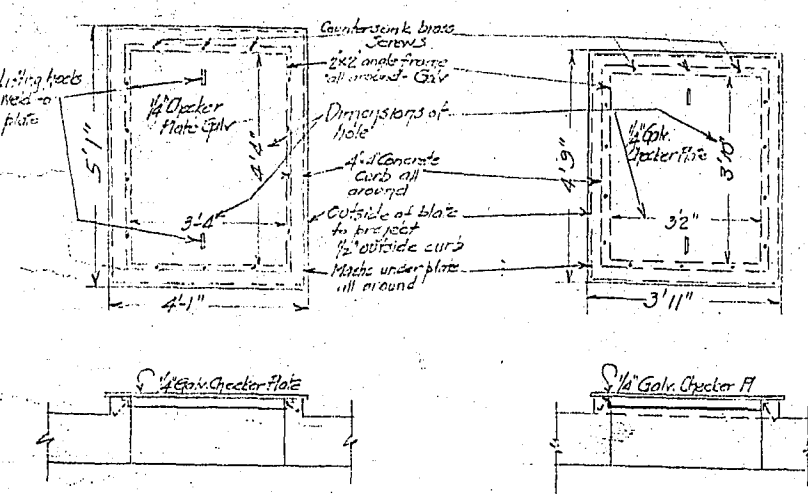
Scale 1" = 1' foot

Detail 10

Weir Plate

Scale 1/2" = 1' foot

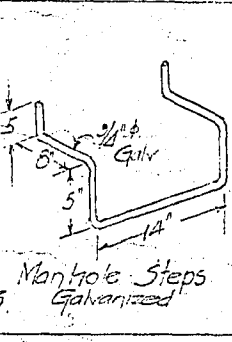
Galvanized



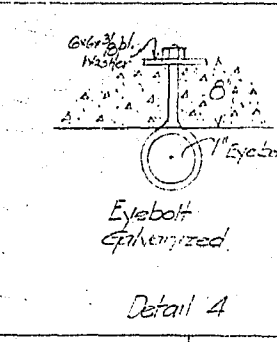
Detail 2

Plates in concrete frame Discharge
Required for 30 pumps

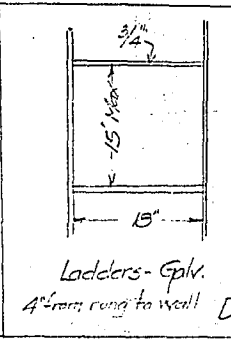
Scale 1/2" = 1' foot
1 required for 24 pumps



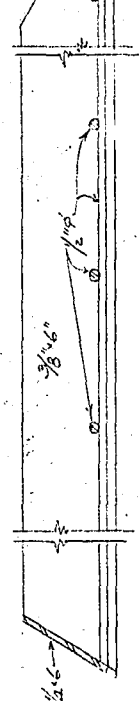
Detail 3



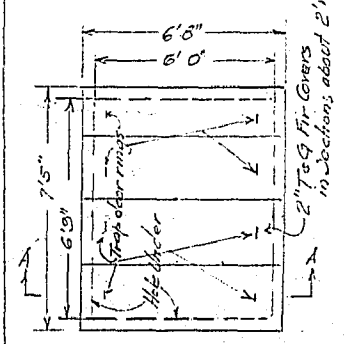
Detail 4



Detail 5

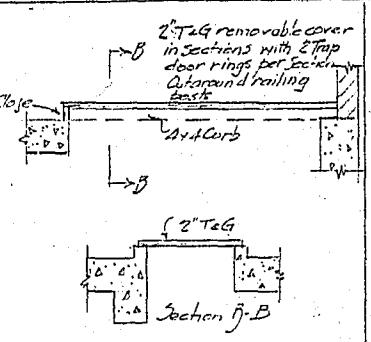


Detail 6



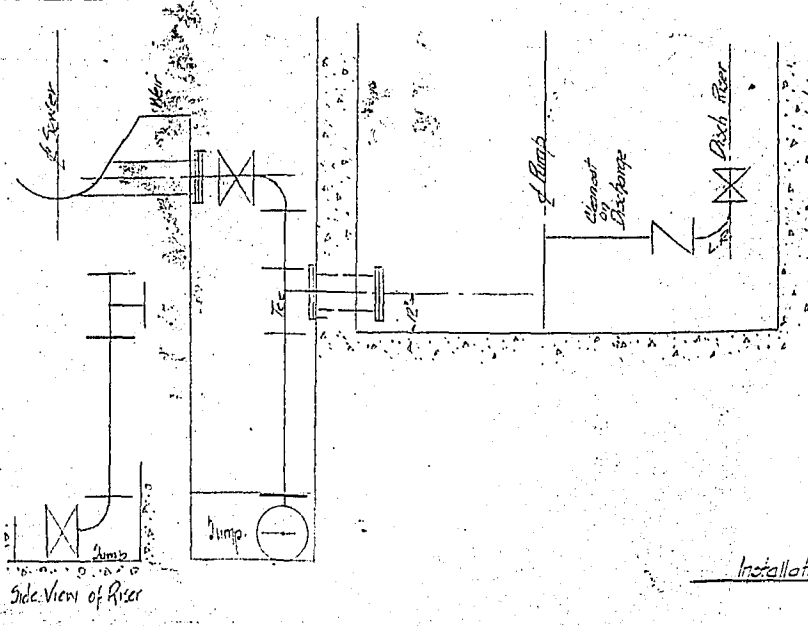
Detail 7

Wooden Cover Top Floor El. 35.5
Scale 1/4"



Detail 8

Wooden Cover Stairwell
Elev. 35.5

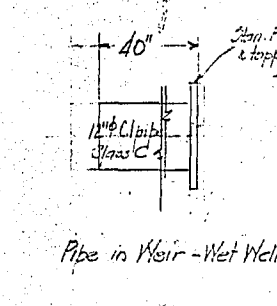


Side View of Pump

Installation of Future 3000 Gpm Pumps

Scale 1/2" = 1' foot

See 683-6

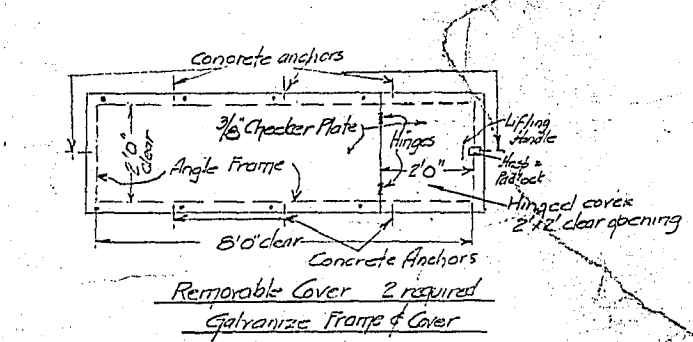


Pipe in Weir - Wet Well

Detail 9

Scale 1/2" = 1' foot

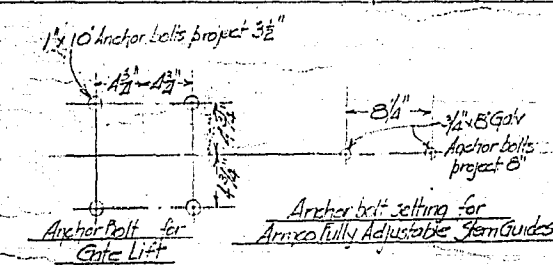
1 - Wet Well to Pump Well
1 - Pump Well to Discharge in water



Detail 16

Removable Cover

Galvanized Frame & Cover

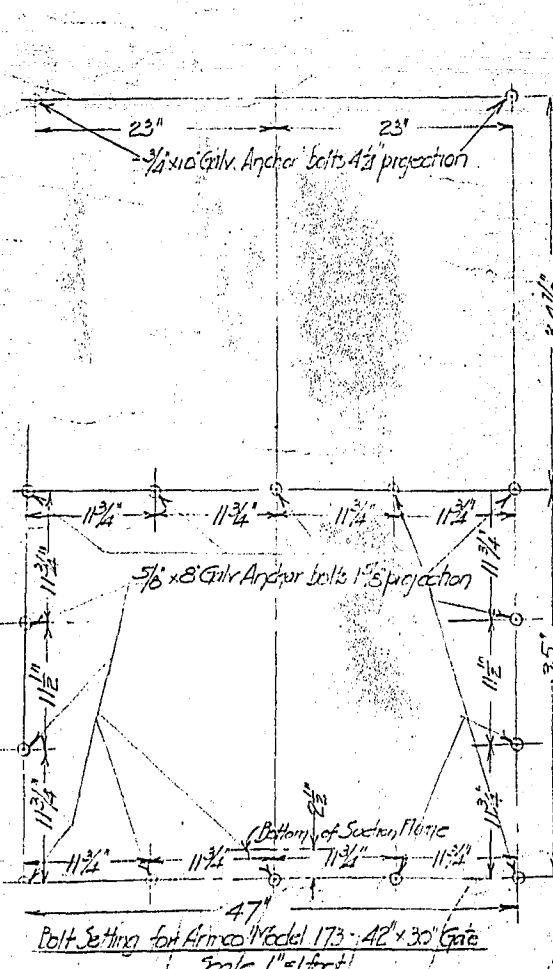


Detail 17

Sump Pump

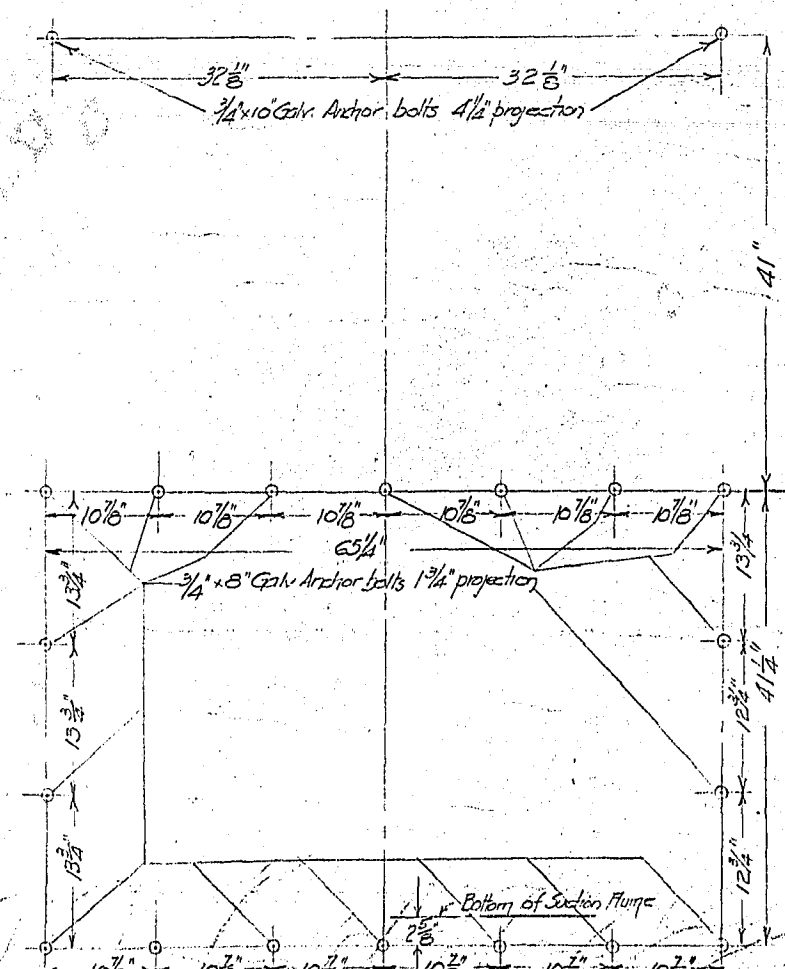
Wet Well

Scale 1/2" = 1' foot



Bolt Setting for Armo Model 173 - 42x30 Gate

Scale 1" = 1' foot

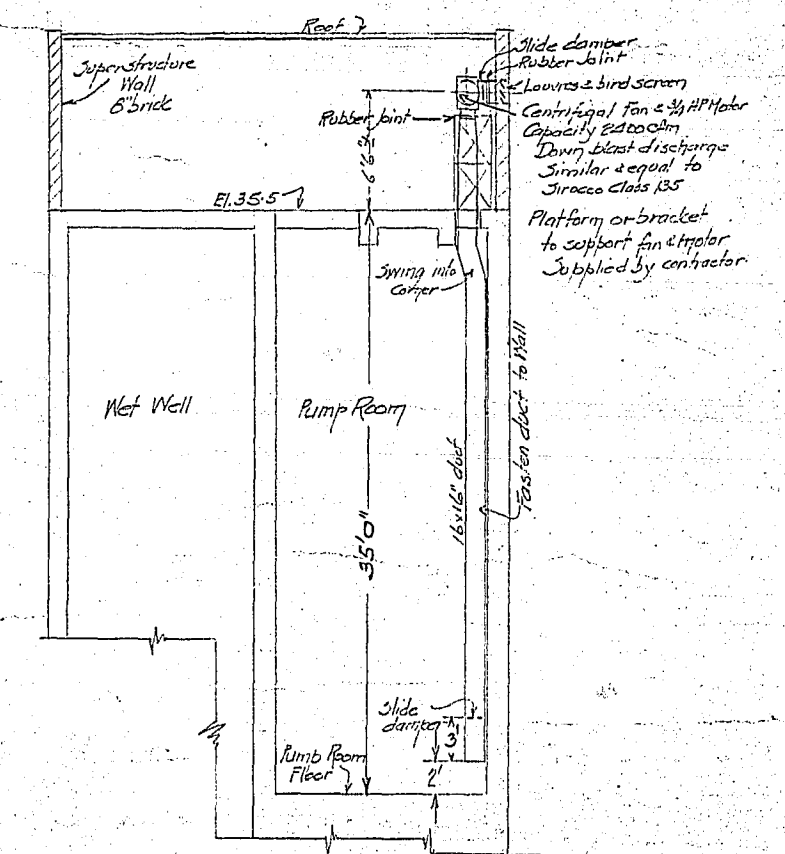


Bolt Setting for Armo Model 173 - 60x36 Gate

Scale 1" = 1' foot

11 Gauge steel end gable between gate frame & concrete

Check with gate manufacturer before installing bolts or gates



Ventilation

Scale 1/2" = 1' foot

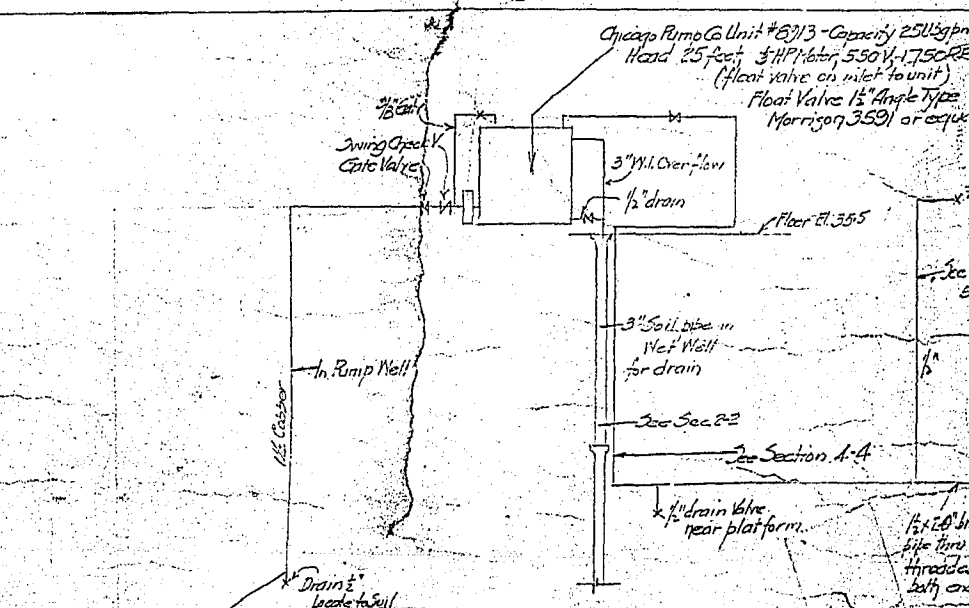
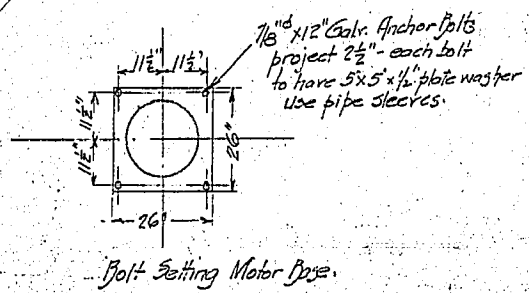
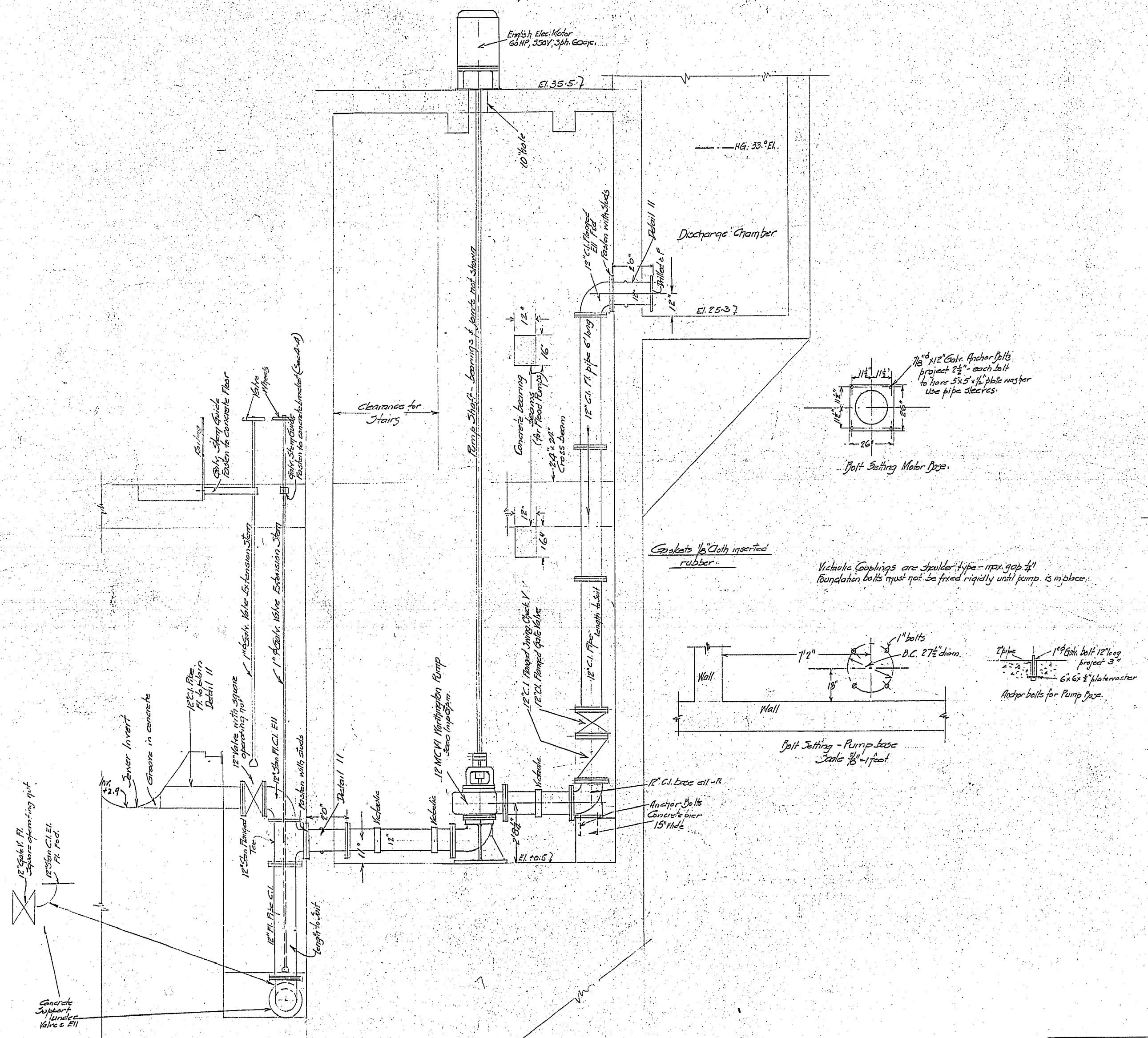
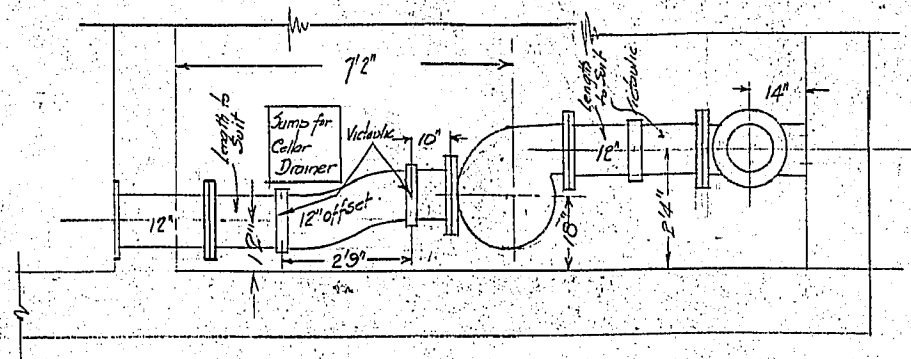


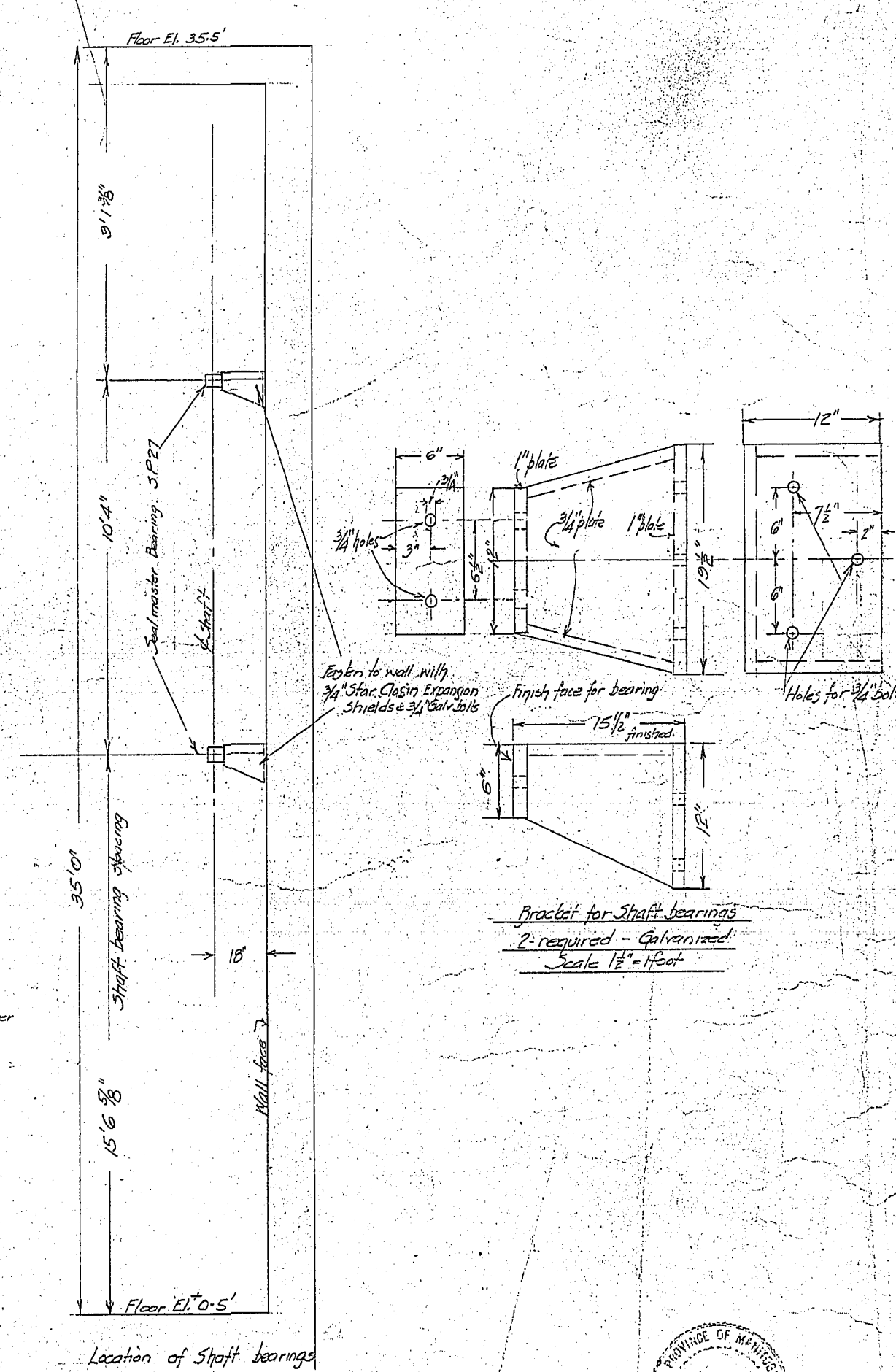
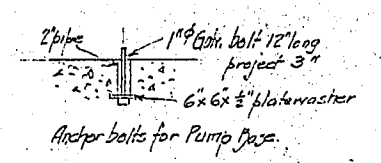
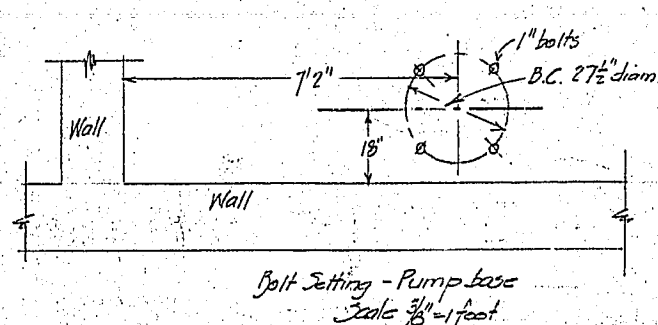
Diagram of Seal Water Supply for Pumps

Not to Scale

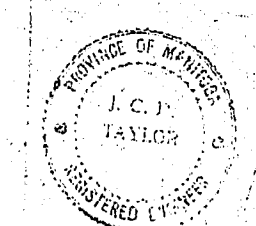


Gaskets 1/8" Cloth inserted rubber.

Victoria Couplings are spooler type - max. gap 1/4" foundation bolts must not be fixed rigidly until pump is in place.

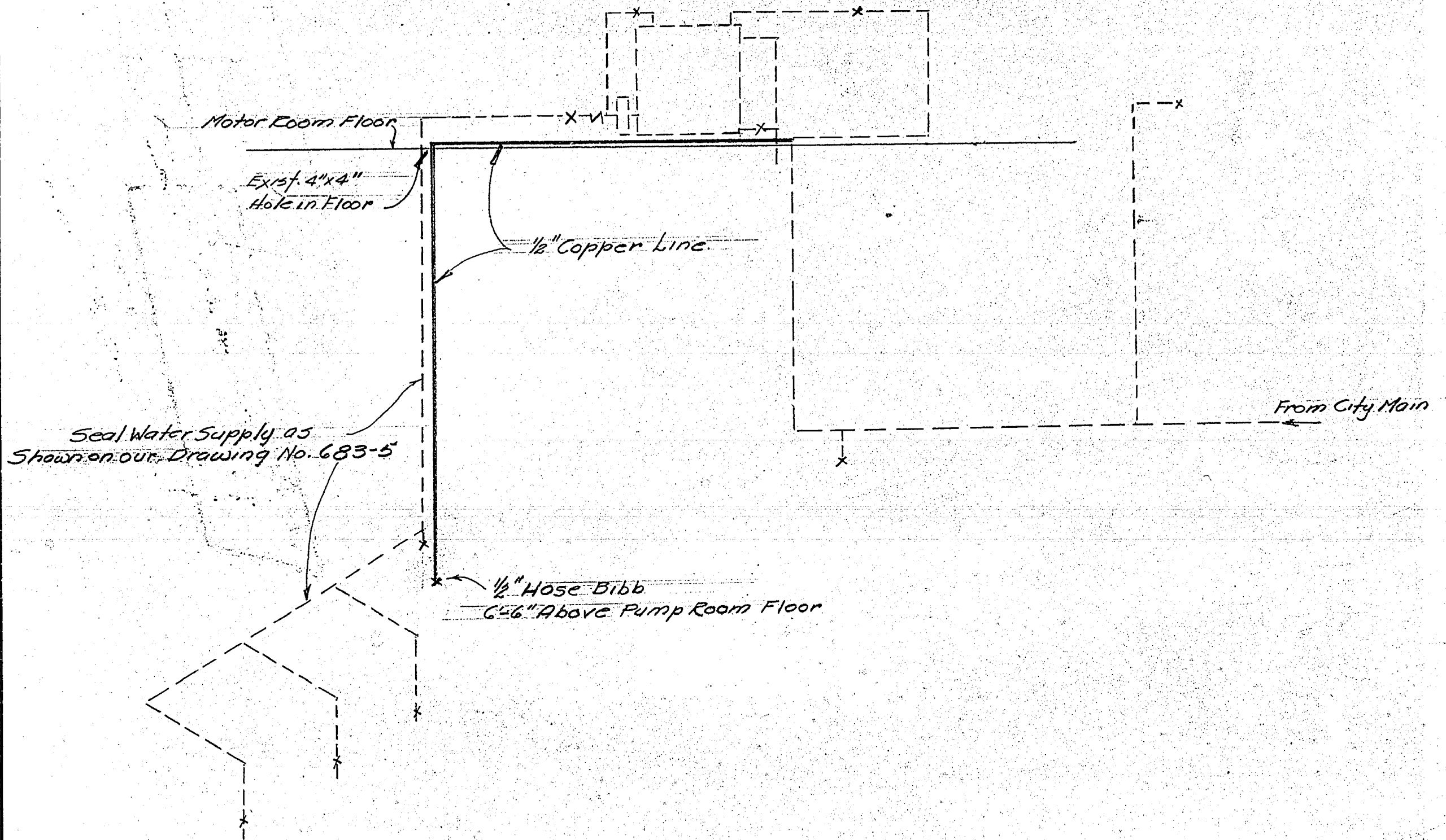


Bracket for shaft bearings
2" required - Galvanized
Scale 1 1/2" = 1 foot



R-113

FLOOD PUMPING STATION JESSIE AVENUE 3000 GPM PUMP INSTALLATION		CITY OF WINNIPEG ENGINEERING DEPARTMENT W. D. HURST, CITY ENGINEER A. J. S. TAUNTON, DUTY CITY ENGINEER	DRAWN BY: [Signature] DATE: Sept. 16, 1954 CHECKED BY: [Signature]	SCALE: 3/8" = 1 foot DRAWING NO.: 689-7
NO	DATE	REVISION		
1	Jan 7, 1955	Showing piping for pump, location shaft bearings bolt setting	[Signature]	



JESSIE AVE. PUMPING STA.
 DIAGRAM OF WATER
 LINE TO PUMP ROOM

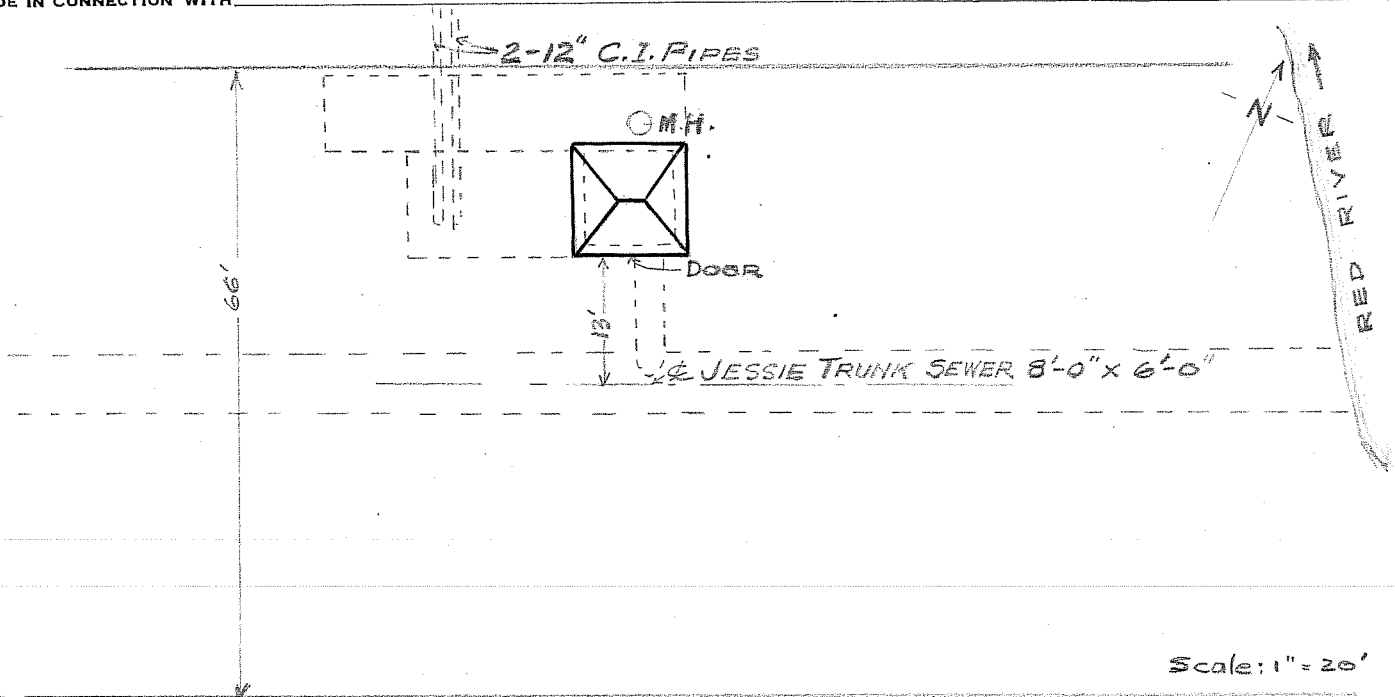
CITY OF WINNIPEG
 ENGINEERING DEPT.
 W. D. HURST, CITY ENGINEER
 A. J. S. TAUNTON, DEPUTY CITY ENGINEER

DRAWN BY M.H.B. DATE 29-7-55
 TRACED BY
 CHECKED BY [Signature]
 APPROVED [Signature]

SCALE
N.T.S.
 DRAWING No.
683-11

R-117

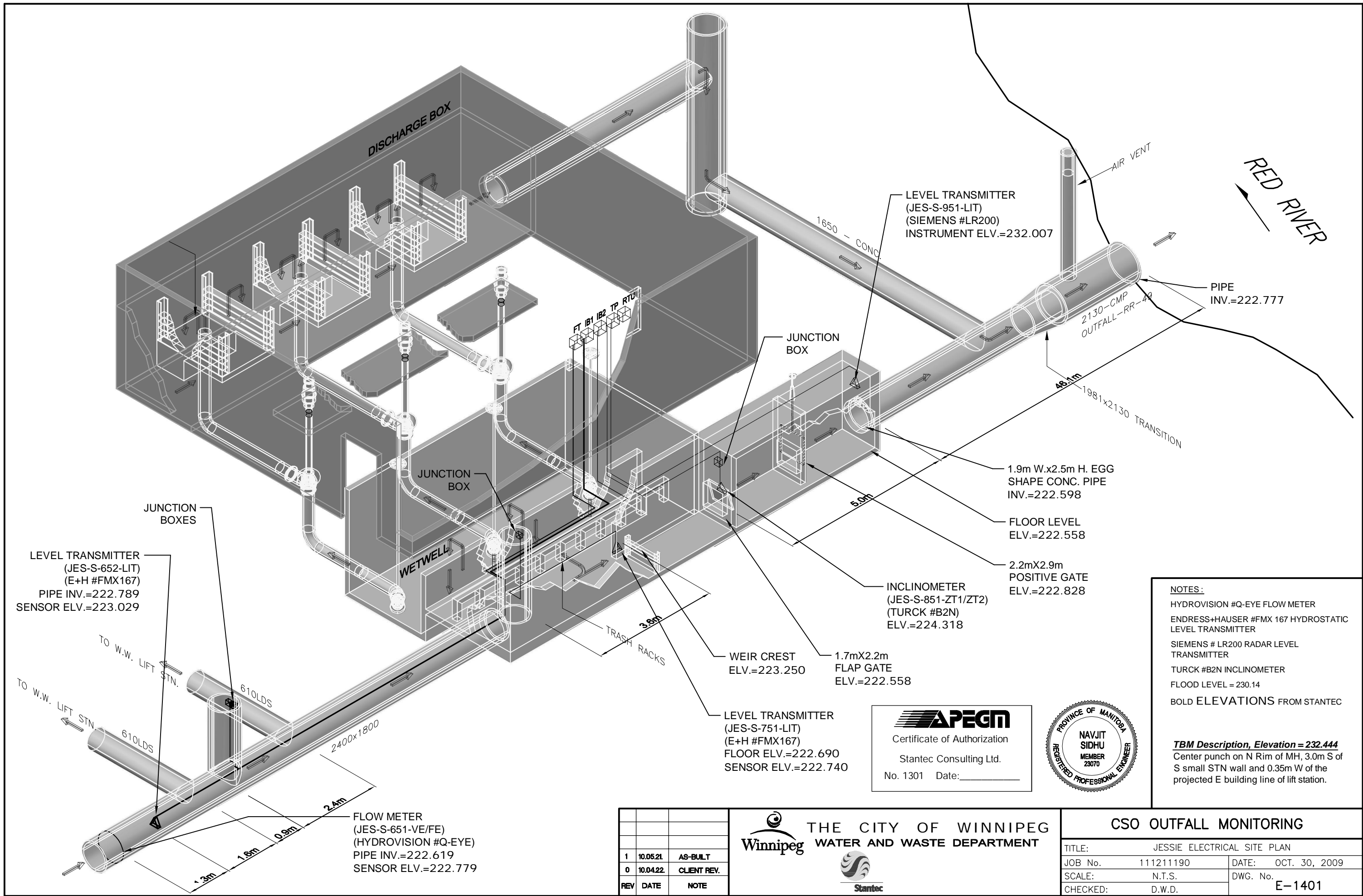
MADE IN CONNECTION WITH _____



Scale: 1" = 20'

LOCATION - ON WINNIPEG STREET - gravelled. East of C.N.R. tracks

SUPERSTRUCTURE - 'Rugtex' Face Brick - Tyndall Limestone Trim.



NOTES:
 HYDROVISION #Q-EYE FLOW METER
 ENDRESS+HAUSER #FMX 167 HYDROSTATIC LEVEL TRANSMITTER
 SIEMENS # LR200 RADAR LEVEL TRANSMITTER
 TURCK #B2N INCLINOMETER
 FLOOD LEVEL = 230.14
 BOLD ELEVATIONS FROM STANTEC

TBM Description, Elevation = 232.444
 Center punch on N Rim of MH, 3.0m S of S small STN wall and 0.35m W of the projected E building line of lift station.

APEGM
 Certificate of Authorization
 Stantec Consulting Ltd.
 No. 1301 Date: _____



REV	DATE	NOTE
1	10.05.21	AS-BUILT
0	10.04.22	CLIENT REV.

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

TITLE: JESSIE ELECTRICAL SITE PLAN	
JOB No. 111211190	DATE: OCT. 30, 2009
SCALE: N.T.S.	DWG. No. E-1401
CHECKED: D.W.D.	