

Centre-Punch w/Cross Hairs on North West
Corner of Concrete Pad of Gate Chamber,
South East of Pump Station

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 140/92 FOR DETAILS

METRIC

WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES



Certificate of Authorization

Stantec Consulting Ltd.

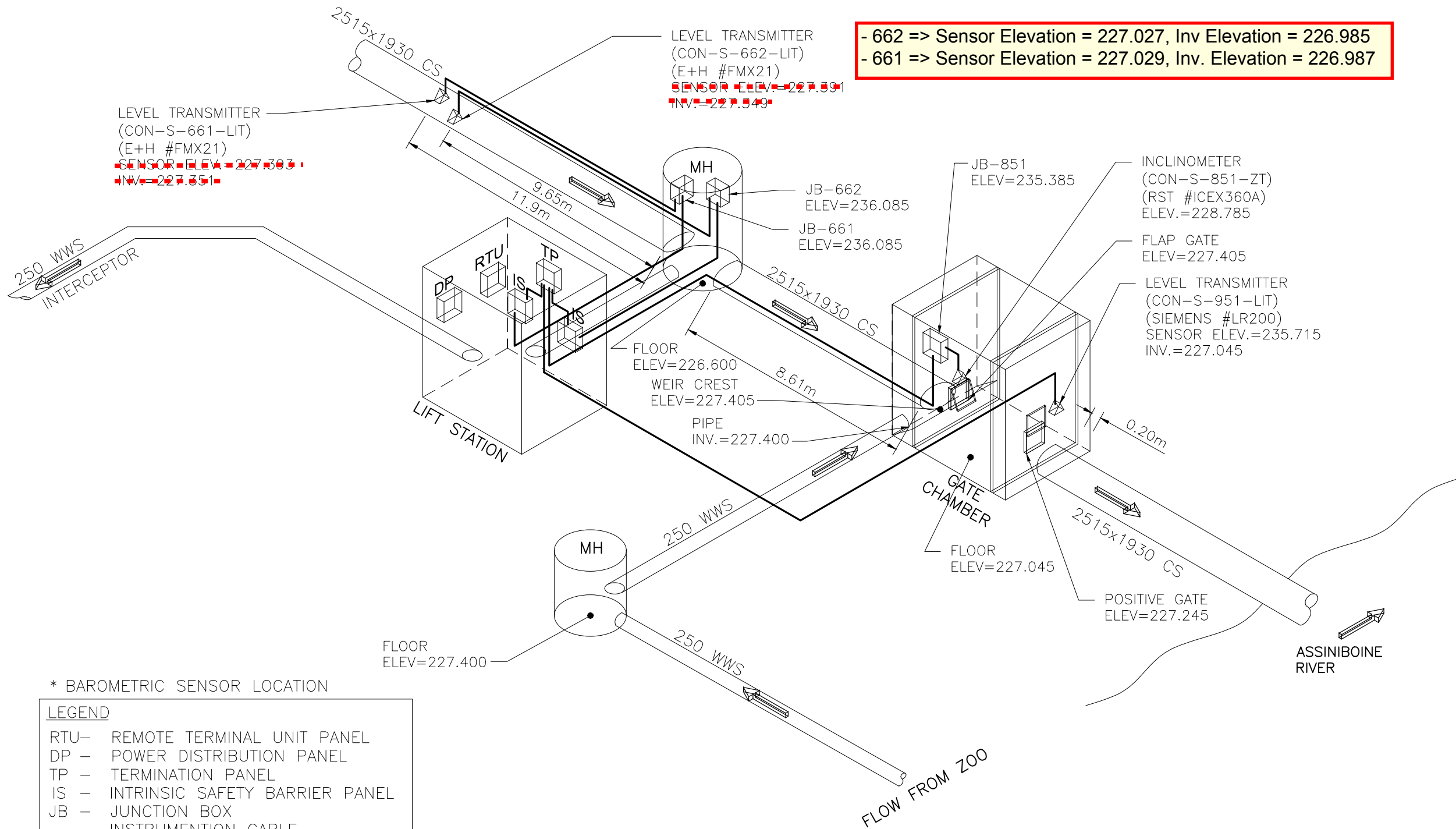
No. 1301

NOTE:
TRENCH DEPTH
BETWEEN 1.0m AND 1.5m

V:\1112\active\111213650\0300_drawing\305_record\sheet_files\electrical\Conway (Moorgate)\13650e-1700-con.dwg 2015/09/10 9:48 AM By: Better, Kyle

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.	B.M. WWD-42 ELEV. 236.618 m	Stantec Consulting Ltd. 905 Waverley Street, Winnipeg, Manitoba Tel 204-489-5900 Fax 204-453-9012	ENGINEER'S SEAL CONSULTANT DRAWING NO. E-1700	THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT	SHEET OF I I																																		
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 2013/08/22 9:35 AM By: Bekker, Kyle



* BAROMETRIC SENSOR LOCATION


LEGEND

- RTU- REMOTE TERMINAL UNIT PANEL
- DP - POWER DISTRIBUTION PANEL
- TP - TERMINATION PANEL
- IS - INTRINSIC SAFETY BARRIER PANEL
- JB - JUNCTION BOX
- — INSTRUMENTATION CABLE
- FT - FLOW METER TRANSMITTER
- - FLOW METER SENSOR
- ▽ - LEVEL TRANSMITTER, INCLINOMETER

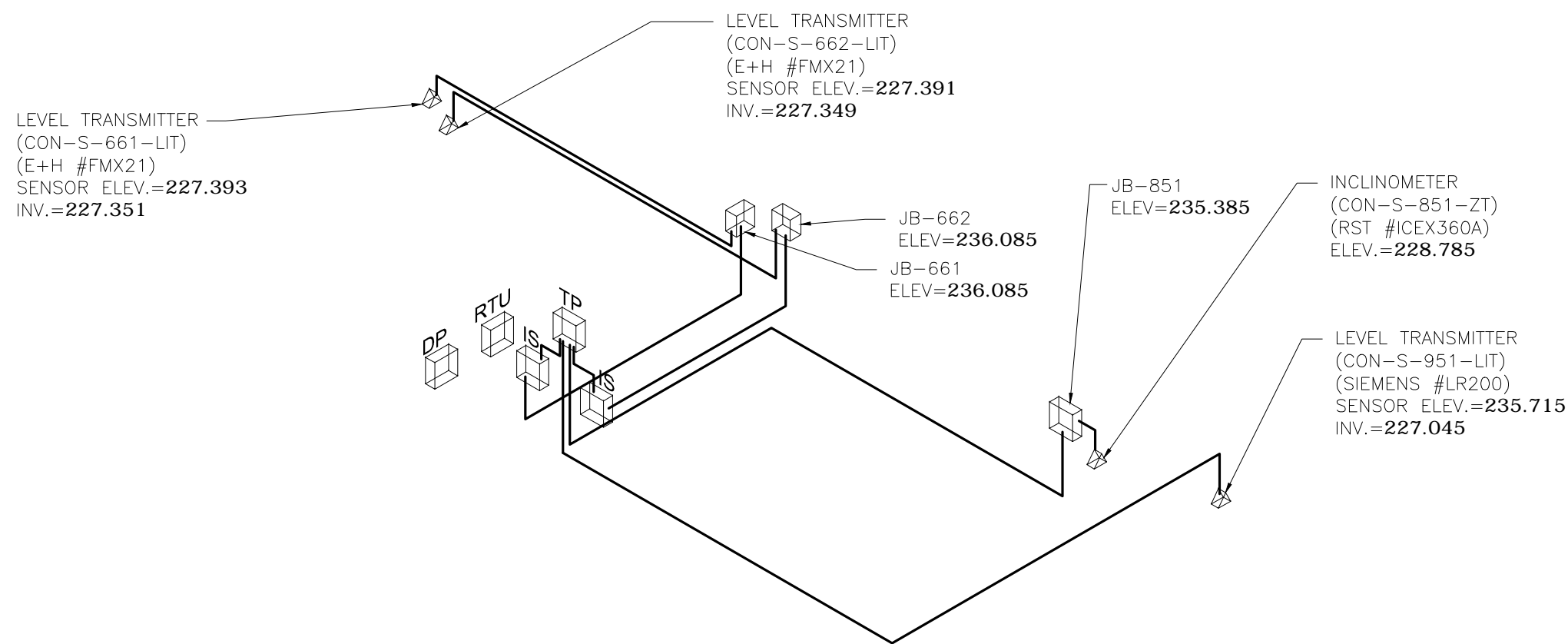
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 No. 1301

CONSTRUCTION COMPLETION DATE - FEBRUARY 2013

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2015/08/18 11:21 AM By: Bekker, Kyle



BOLD ELEVATIONS FROM STANTEC

Benchmark Elevation = 236.618
Centre-Punch w/Cross Hairs on North West
Corner of Concrete Pad of Gate Chamber,
South East of Pump Station

WARNING

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JB	JUNCTION BOX
—	INSTRUMENTATION CABLE
FT	FLOW METER TRANSMITTER
○	FLOW METER SENSOR
▽	LEVEL TRANSMITTER, INCLINOMETER



LOCATION APPROVED UNDERGROUND STRUCTURES

SUPV. U/G STRUCTURES COMMITTEE DATE

NOTE:
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Stantec
500-311 Portage Avenue, Winnipeg, Manitoba
Tel 204-489-5900 Fax 204-453-9012

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ENGINEER'S SEAL

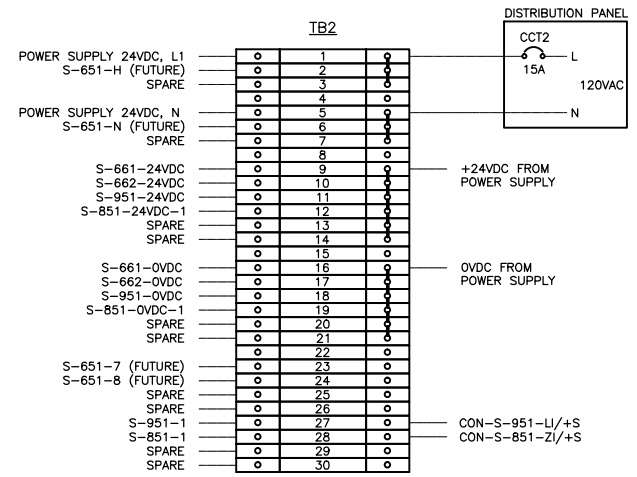
CONSULTANT DRAWING NO.
E-1701

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

CSO OUTFALL MONITORING
CONWAY STREET
3D ISOMETRIC PLAN

SHEET	OF
2	2
CAD FILE DRAWING NUMBER 13650e-1701-con.dwg	
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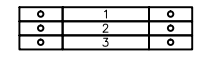


NOTES

- 1) TERMINAL BLOCKS WEIDMULLER #WDU4
- 2) FUSED TERMINAL BLOCKS WEIDMULLER #WS16:
TERMINAL BLOCK 1, C/W FUSE 1A
TERMINAL BLOCK 2, C/W FUSE 1A
TERMINAL BLOCK 3, C/W FUSE 1A
TERMINAL BLOCK 9, C/W FUSE 500mA
TERMINAL BLOCK 10, C/W FUSE 500mA
TERMINAL BLOCK 11, C/W FUSE 500mA
TERMINAL BLOCK 12, C/W FUSE 500mA
TERMINAL BLOCK 13, C/W FUSE 500mA
TERMINAL BLOCK 14, C/W FUSE 500mA
- 3) JUMPERS: 1-3; 5-7; 9-14; 16-21

TB2 STRIP DETAIL

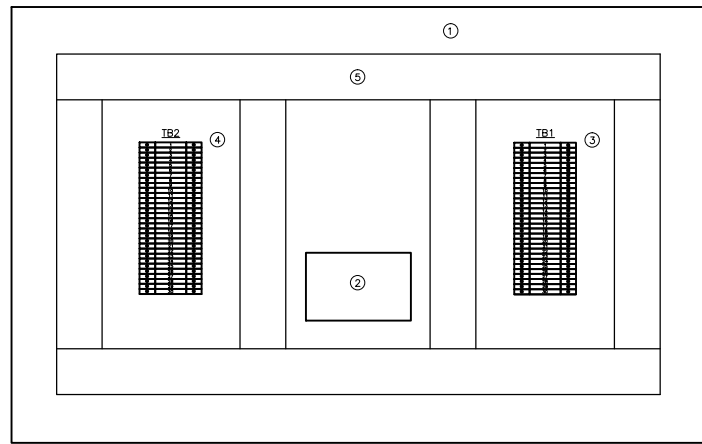
TB1



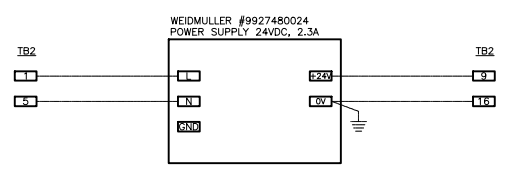
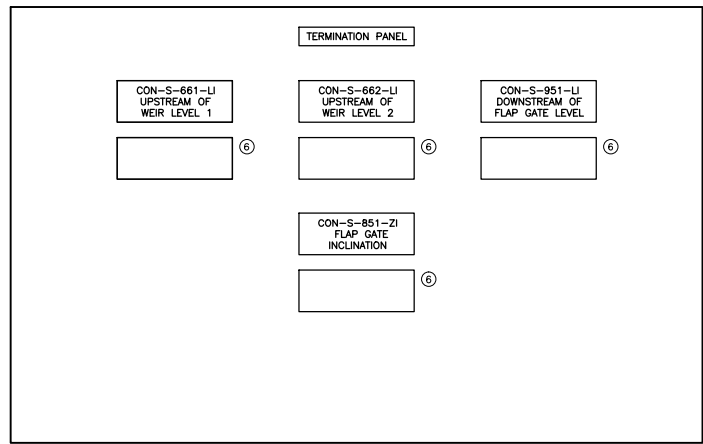
NOTES

- 1) FUSED TERMINAL BLOCKS WEIDMULLER #WS16, C/W 500mA FUSE
- 2) FEED-THROUGH TERMINAL BLOCKS WEIDMULLER #WDU4
- 3) FEED-THROUGH TERMINAL BLOCKS WEIDMULLER #WDU4
- 4) REPEAT FOR ALL AIs AND AOs.

TB1 STRIP DETAIL



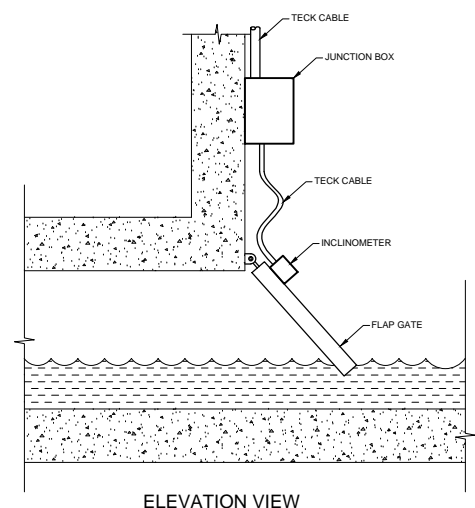
TERMINATION PANEL DETAIL



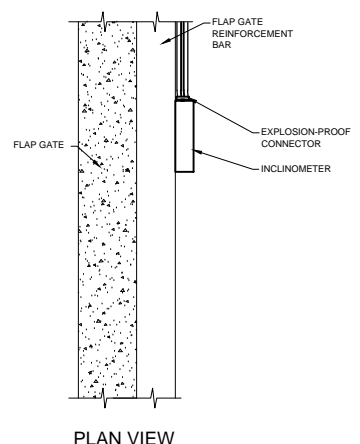
POWER SUPPLY 24VDC WIRING DETAIL

LEGEND

- 1) HOFFMAN #CSD20248 TYPE 12 ENCLOSURE C/W PANEL #CP2420
- 2) WEIDMULLER #9927480024 POWER SUPPLY 24VDC, 2.3A
- 3) TB1 TERMINAL BLOCKS STRIP. SEE DETAIL.
- 4) TB2 TERMINAL BLOCKS STRIP. SEE DETAIL.
- 5) PANDUIT #E1X2LG6 WIRE DUCT C/W COVER #C1LG6
- 6) SIEMENS #7ML5741 DIGITAL INDICATOR



ELEVATION VIEW



PLAN VIEW

GENERAL NOTES

- 1) CABLE SHALL BE SECURED ON THE FLAP GATE CHAMBER WALL AND FLAP GATE
- 2) EXTRA CABLE SHALL BE PROVIDED TO RELIEVE CABLE STRESS AT THE JUNCTION OF THE FLAP GATE AND THE CHAMBER WALL
- 3) INSTRUMENT AND JUNCTION BOX MOUNTING BRACKET NEED TO BE ADJUSTED ACCORDING TO FLAP GATE DESIGN
- 4) EXPLOSION-PROOF CONNECTOR SHALL BE SEALED WITH EPOXY TO PREVENT GAS MIGRATION

RST INSTRUMENTS INCLINOMETER INSTALLATION DETAIL

No.	INSTRUMENT TAG	DESCRIPTION	MANUFACTURER	MODEL	PLC I/O TYPE	POWER SUPPLY	LOCATION
1	CON-S-661-LIT	HYDROSTATIC LEVEL TRANSMITTER	ENDRESS+HAUSER	FMX21	1X AI	24VDC	UPSTREAM OF WEIR 1
2	CON-S-662-LIT	HYDROSTATIC LEVEL TRANSMITTER	ENDRESS+HAUSER	FMX21	1X AI	24VDC	UPSTREAM OF WEIR 2
3	CON-S-951-LIT	RADAR LEVEL TRANSMITTER	SIEMENS	SITRAN LR200	1X AI	24VDC	DOWNSTREAM OF FLAP GATE
4	CON-S-851-ZT	INCLINATION TRANSMITTER	RST INSTRUMENTS	ICEX360A	1X AI	24VDC	FLAP GATE

INSTRUMENT LIST

No.	CABLE TAG	FROM	TO	DESCRIPTION	MANUFACTURER	CATALOG No.	NOTE
1	S-661-LIT/L-S-661-TP	CON-S-661-LIT	CON-S-661-LX	#16 AWG, 2-PAIR, TWISTED, SHIELDED, TECK 90	TEXCAN	C3-9326-1602-19	4-20mA
2	S-662-LIT/L-S-662-TP	CON-S-662-LIT	CON-S-662-LX	#16 AWG, 2-PAIR, TWISTED, SHIELDED, TECK 90	TEXCAN	C3-9326-1602-19	4-20mA
3	S-951-LIT/L-S-951-TP	CON-S-951-LIT	TERMINATION PANEL	#16 AWG, 2-PAIR, TWISTED, SHIELDED, TECK 90	TEXCAN	C3-9326-1602-19	4-20mA
4	S-851-ZT/S-TB2-IB/L-S-851-TP	CON-S-851-ZT	TERMINATION PANEL	#16 AWG, 2-PAIR, TWISTED, SHIELDED, TECK 90	TEXCAN	C3-9326-1602-19	4-20mA
5		DISTRIBUTION PANEL	TERMINATION PANEL	#12 AWG, 2C, TECK 90	TEXCAN	05002-01-010	POWER 120VAC

CABLE LIST

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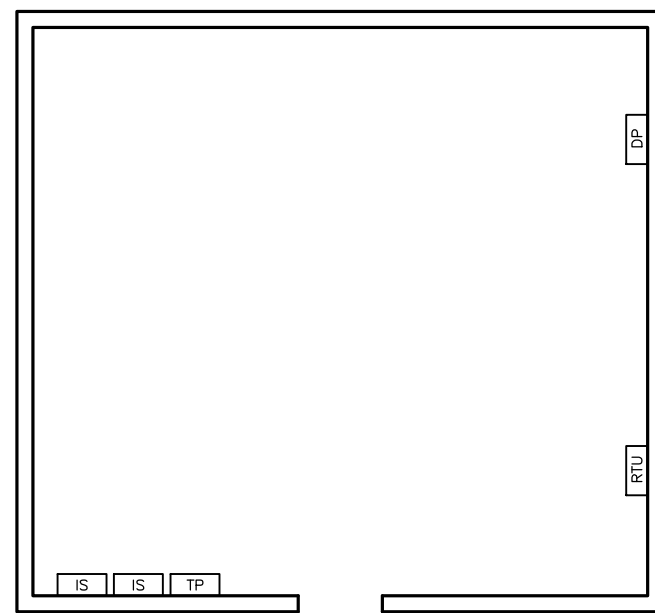
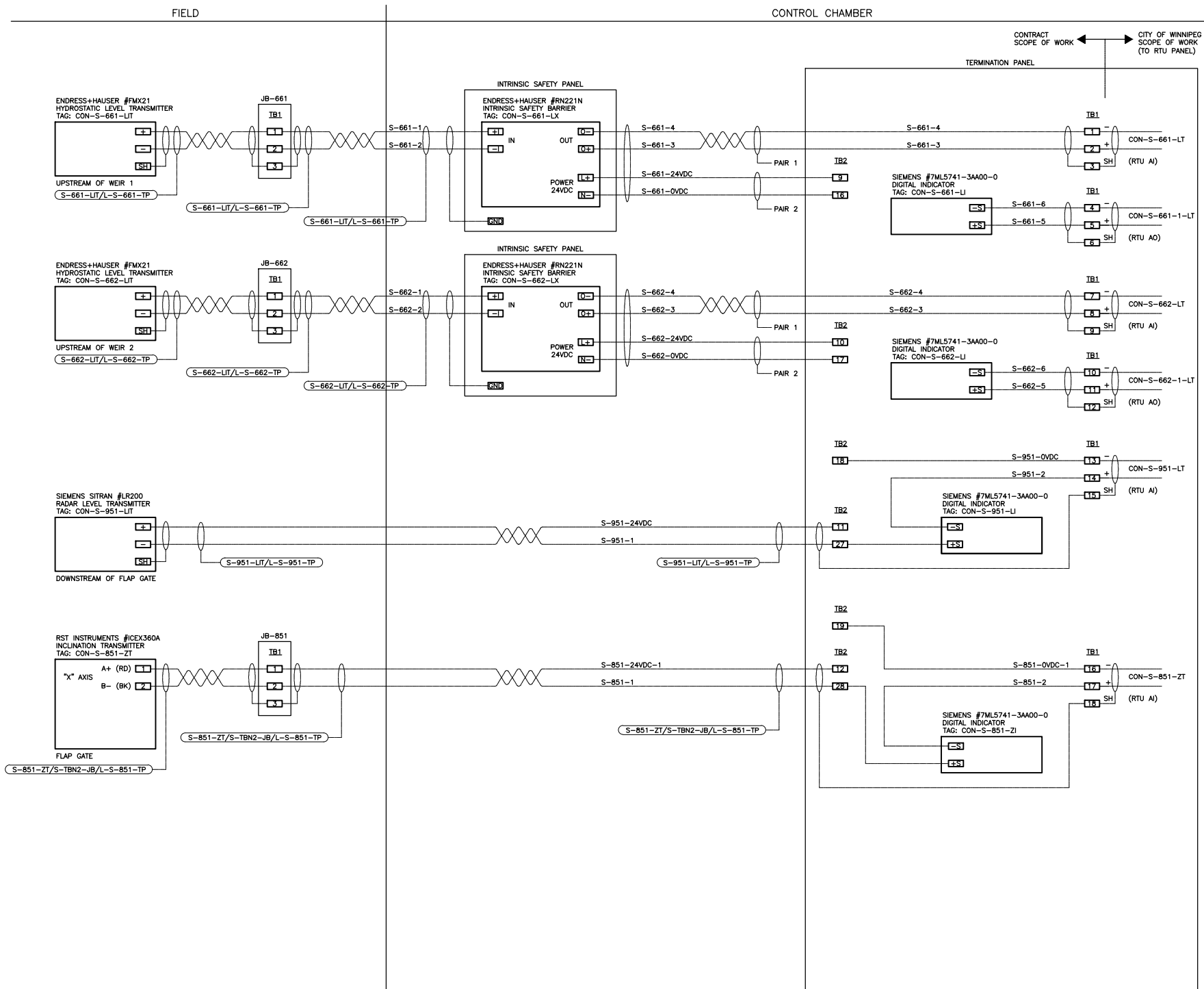
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CSO OUTFALL MONITORING
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TERMINATION PANEL LAYOUT
INSTRUMENT LIST, CABLE LIST

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ELECTRICAL ROOM FLOOR PLAN

- LEGEND**
- RTU - NEW RTU PANEL
 - TP - NEW TERMINATION PANEL
 - IS - NEW INTRINSIC SAFETY PANELS
 - DP - EXISTING DISTRIBUTION PANEL 120VAC

- NOTES**
- 1) INSTALL SHEETS OF PLYWOOD AND MOUNT ON BACKBOARD RTU PANEL, TP PANEL AND INTRINSIC SAFETY PANELS. ALLOW SPACE FOR FUTURE FLOW METER TRANSMITTER.

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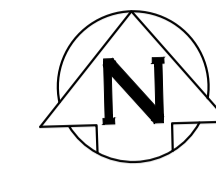
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CSO OUTFALL MONITORING
CONWAY STREET
ELECTRICAL ROOM LAYOUT
LOOP WIRING DIAGRAMS

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CITY DRAWING NUMBER I-0131-A-A0204-001-00	



CONSTRUCTION NOTES:

1. REMOVED AND DISPOSED CONSTRUCTION MATERIALS FROM SITE DAILY.
2. PROVIDED TEMPORARY SECURITY FENCE AROUND CONSTRUCTION INCLUDING EQUIPMENT AND MATERIALS AT ALL TIMES.

NOTES:

1. THIS DRAWING IS ONLY A SKETCH BASED ON THE EXISTING DRAWINGS. THE LOCATION OF UNDERGROUND STRUCTURES AND DIMENSIONS ARE NOT EXACT.
2. THE CONTRACTOR WAS RESPONSIBLE FOR CONFIRMING ALL DIMENSIONS AND CONFIRMING, THE LOCATION OF THE BURIED UTILITIES PRIOR TO ASSOCIATED CONSTRUCTION.

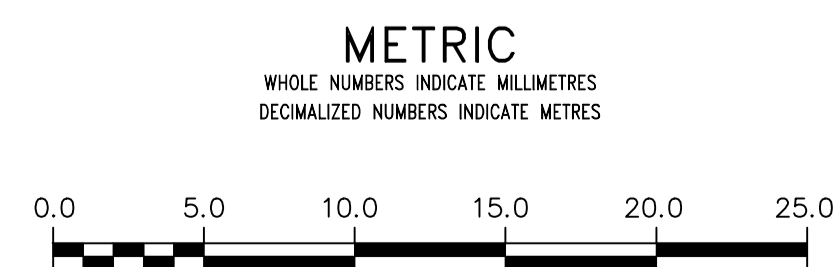
SITE PLAN

FOR INDEX SEE
1-0110A-D0003-001

CONTRACTOR: ROCKY ROAD RECYCLING

RECORD DRAWING
WATER AND WASTE DEPARTMENT

CONSTRUCTION COMPLETION
DATE: 16/06/14



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.

B.M. ELEV.	NO.	REVISIONS	DATE	BY
	1	REVISED TO RECORD DRAWING	18/06/04	RS

DESIGNED BY	NC	CHECKED BY	NC
DRAWN BY	RJ	APPROVED BY	NC
SCALE:	HORIZONTAL 1:250 VERTICAL 1:50		
DATE	2018 08 16	RELEASED FOR CONSTRUCTION	NEWTON CONTI
		DATE	2015 09 15

ENGINEER'S SEAL

ORIGINAL MYLAR
SIGNED BY
K.R. ZUREK
18/09/25

CONSULTANT DRAWING NUMBER

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
ENGINEERING DIVISION

2015 COMMUNOTOR CHAMBER PIPING & VALVE UPGRADES
CONWAY LIFT STATION
CONWAY STREET & PORTAGE AVENUE

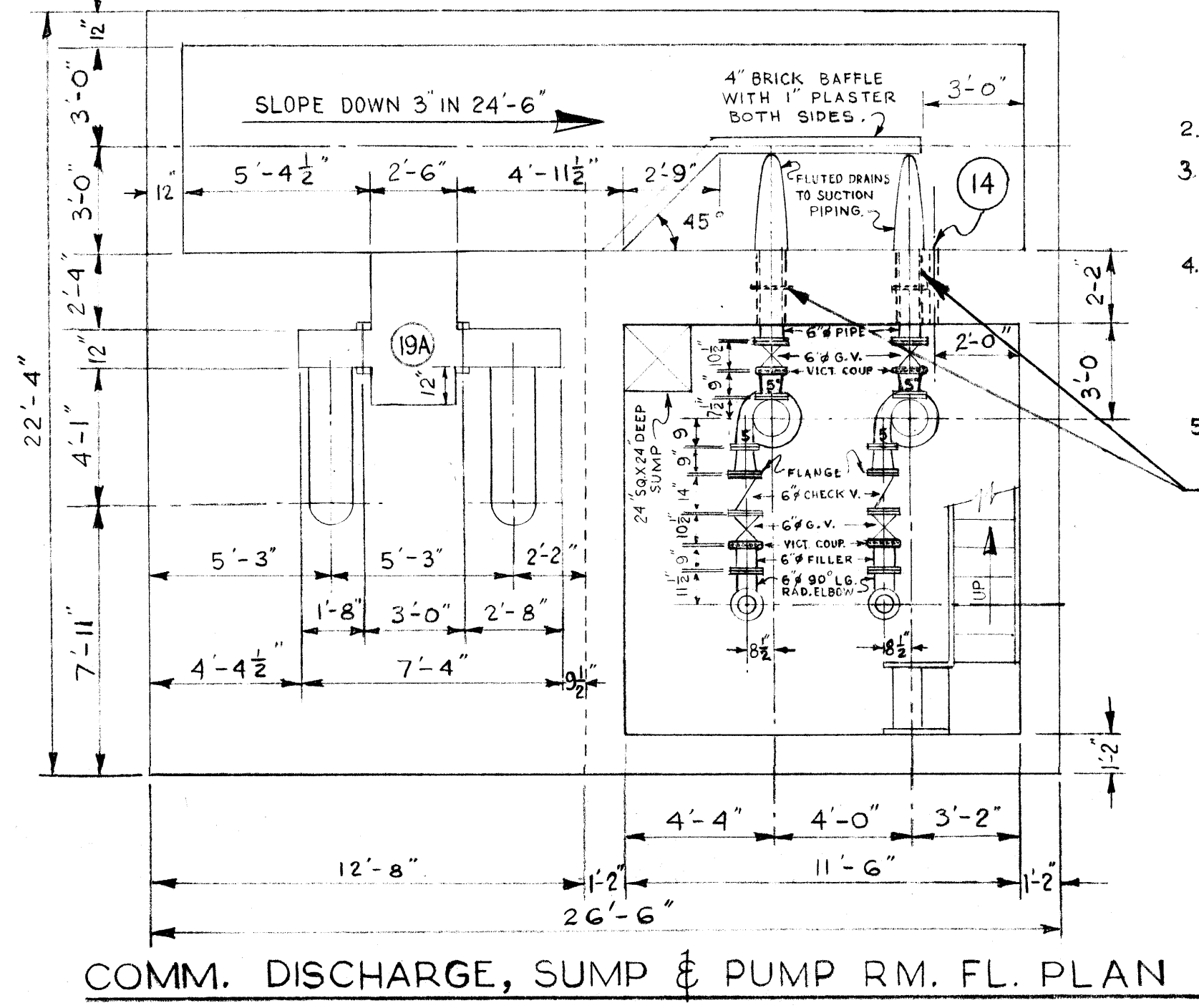
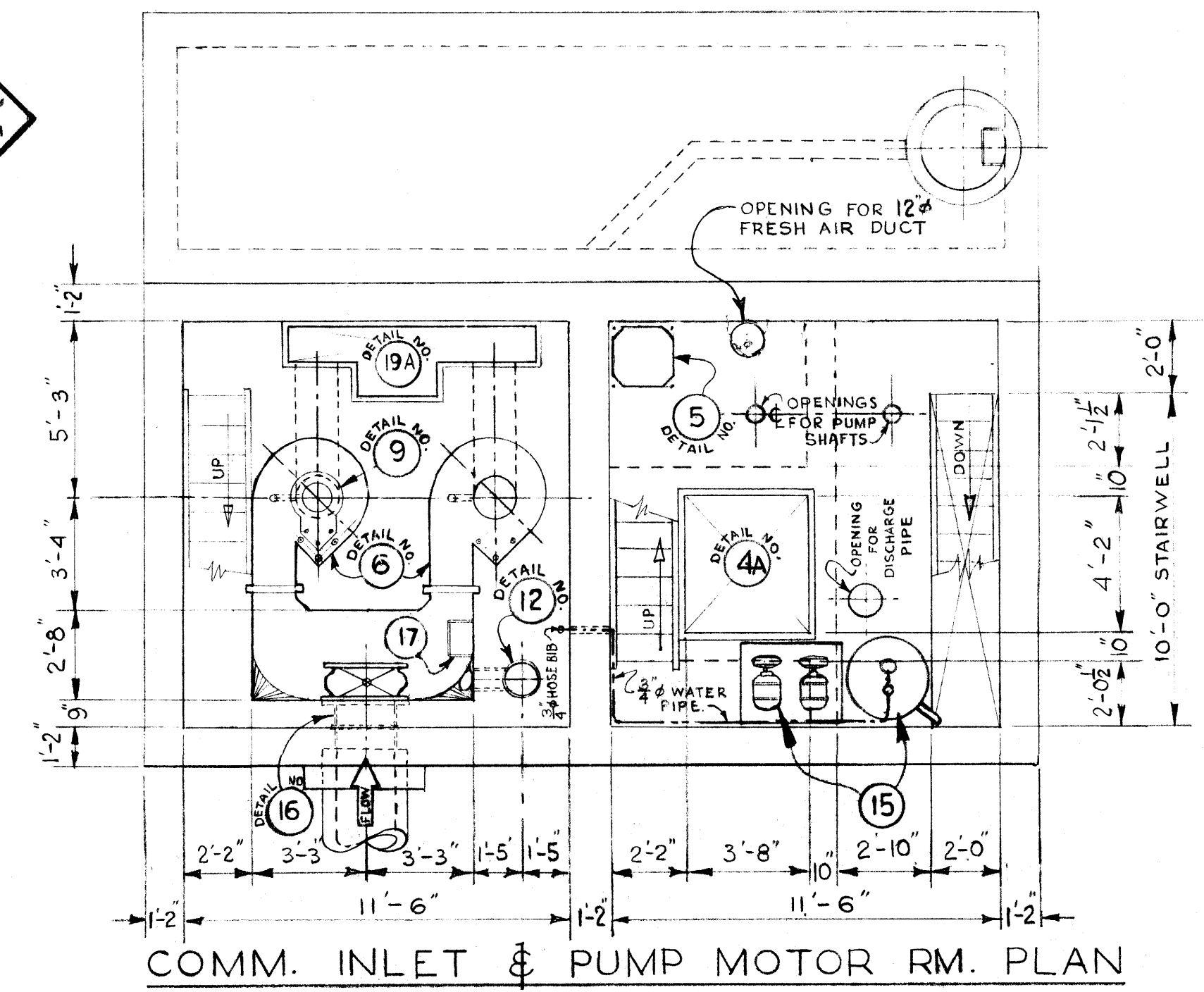
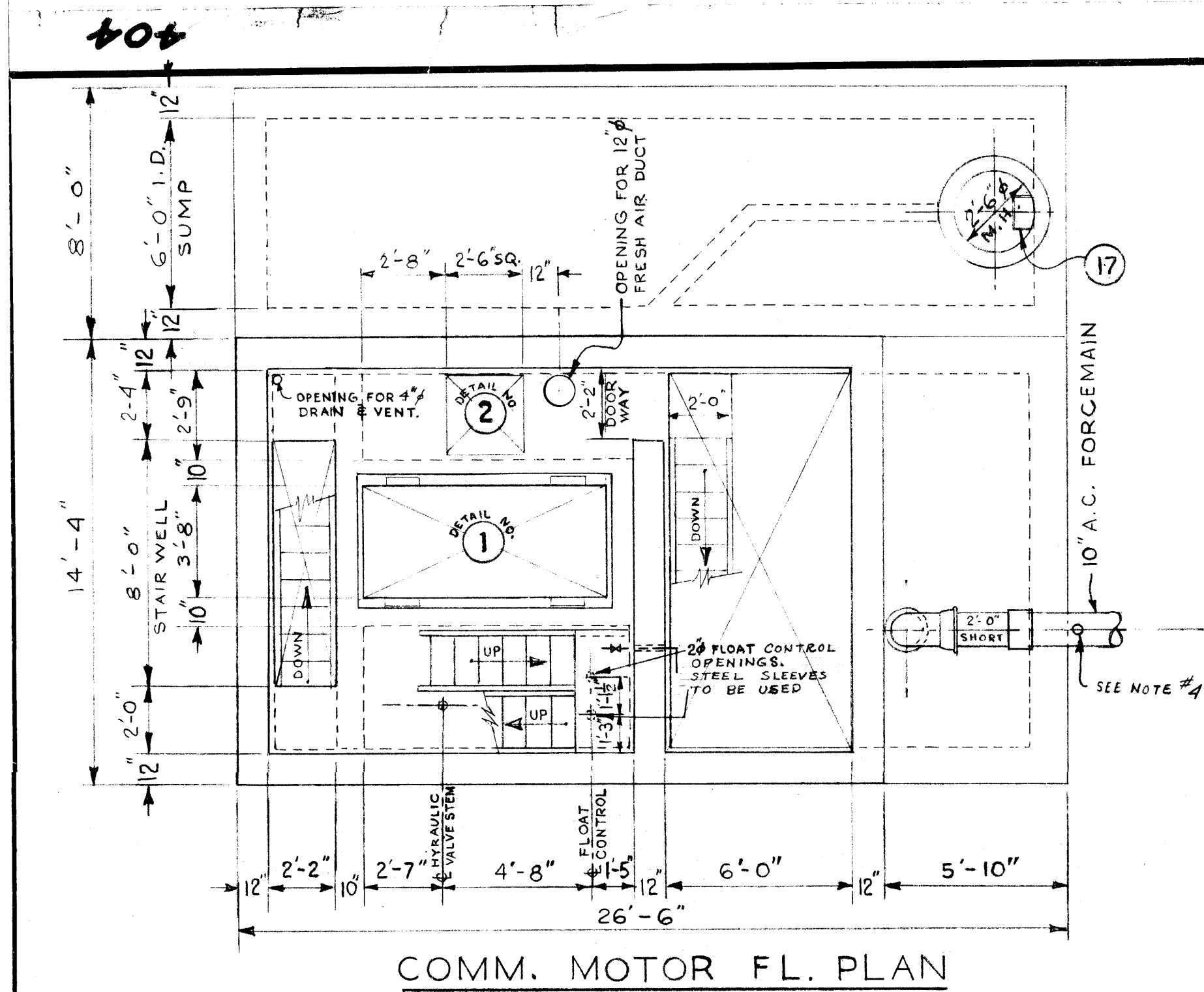
SHEET 5 OF 12
CITY DRAWING NUMBER
1-0131L-G0001-001

file # SP 10095

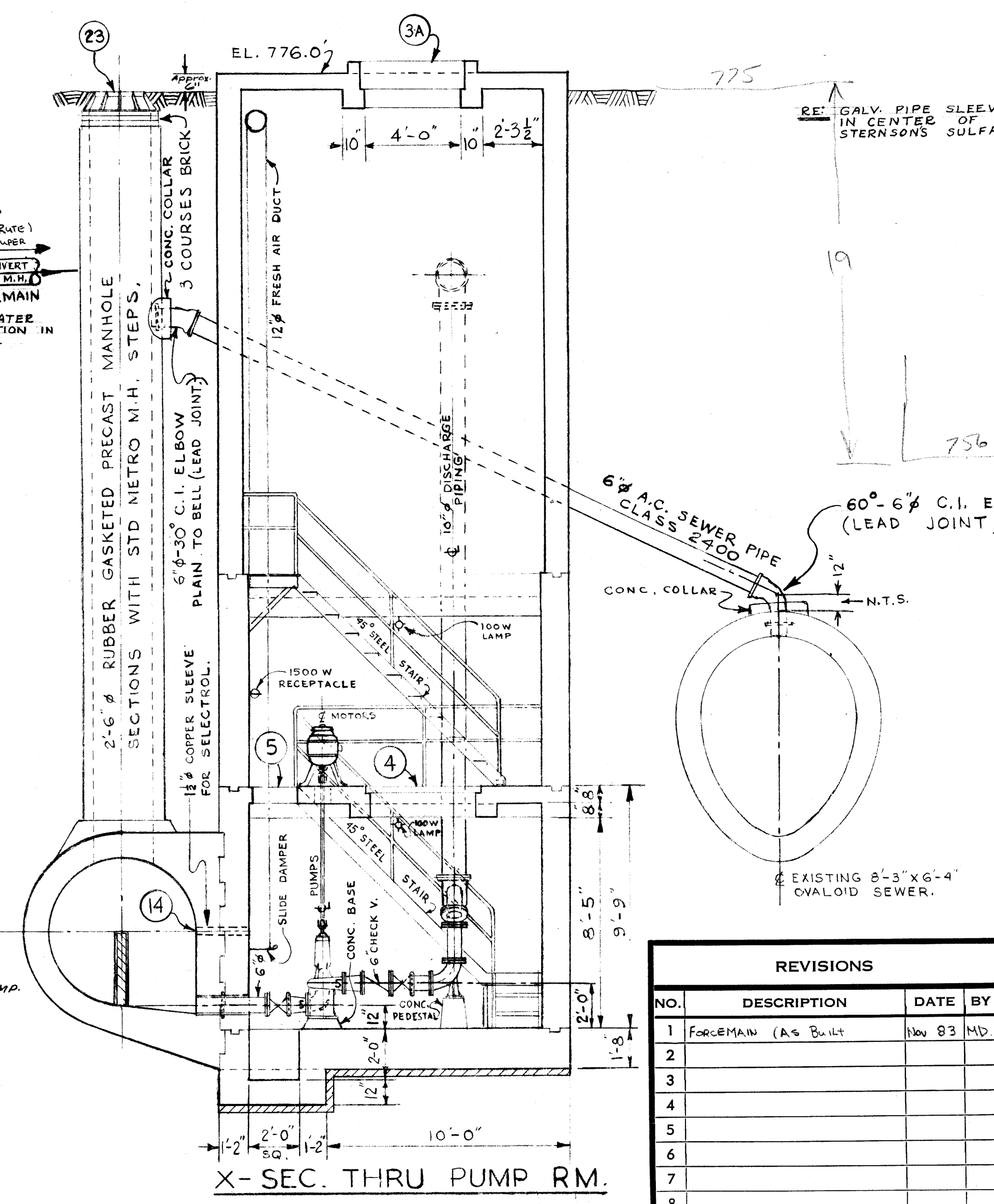
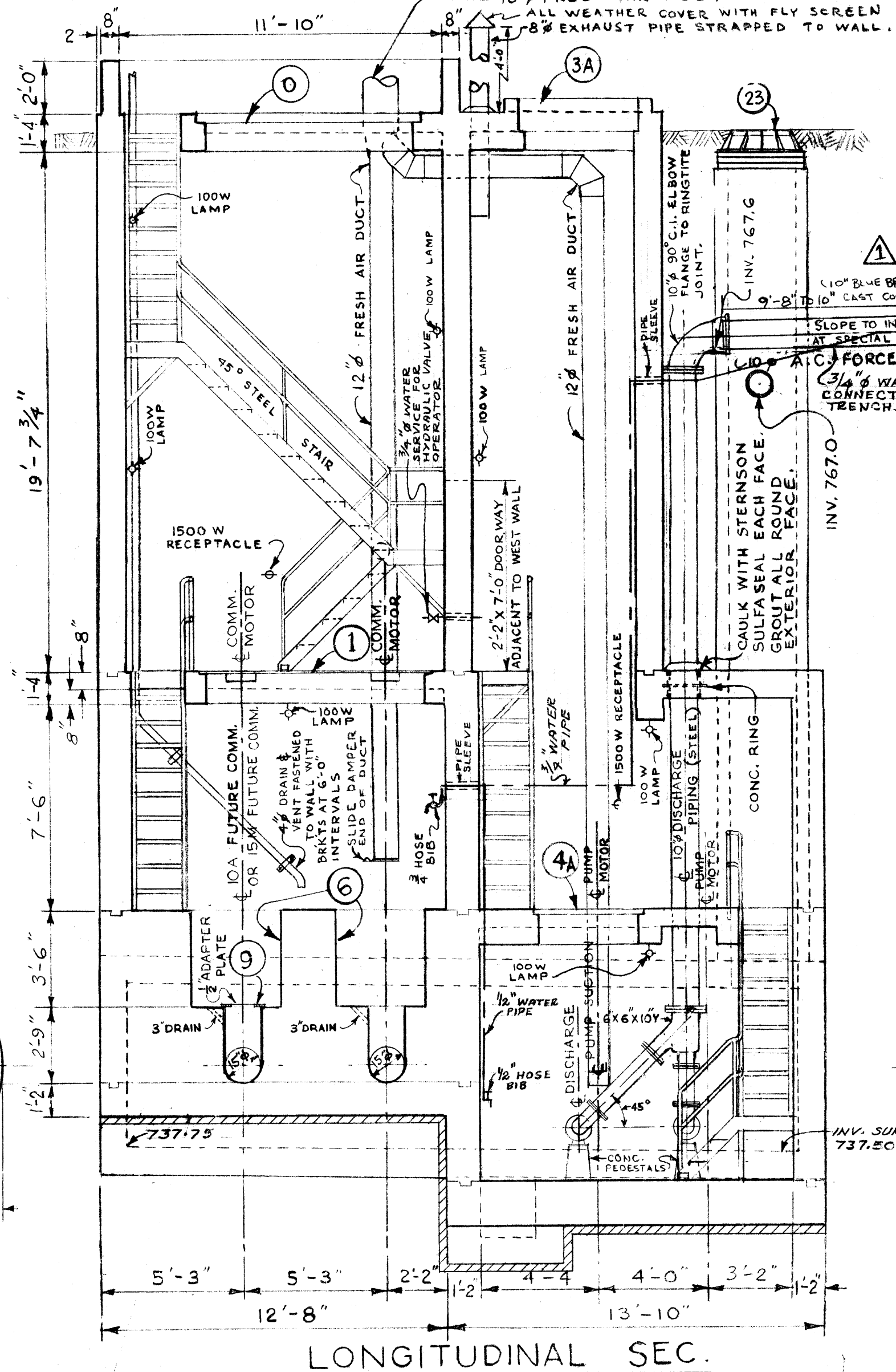
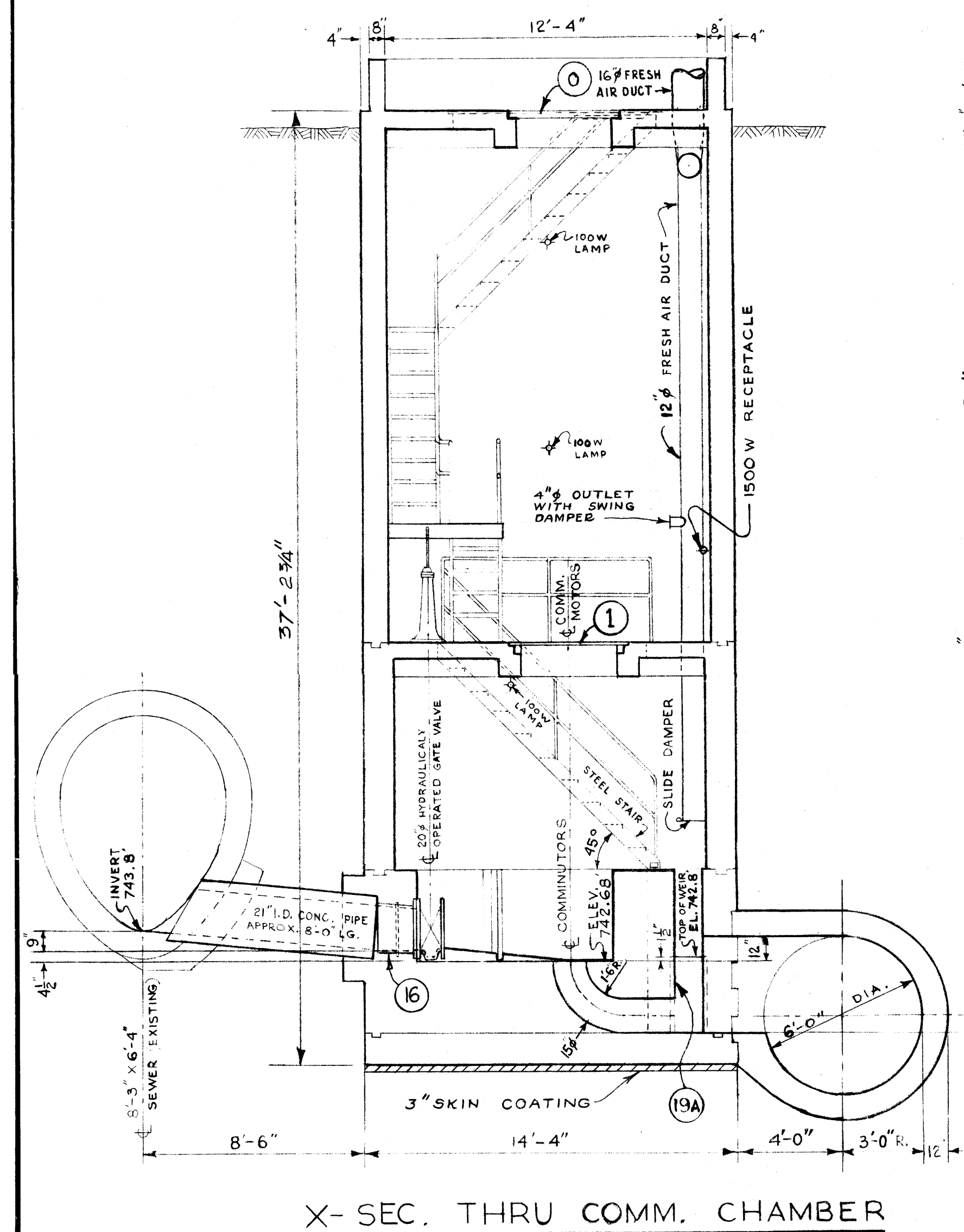
404

REF. or DRAWING No.

DETAILS



- 2- HOT GALV. ALL MISC METAL WORK.
- 3- A SHORT LENGTH OF PIPE (4' OR LESS), SHALL BE INSTALLED ADJACENT TO ALL C.I. PIPE OR RIGID FITTINGS.
- 4- CONTRACTOR TO SUPPLY SERVICE CLAMP WITH 1" OUTLET, 1/2" GALV. STEEL NIPPLE, 1/2" LONG, ONE RIGHT ANGLE, BRASS GLOBE & ANGLE VALVE, (SCREWED FITTINGS). VALVE TO TURN LEFT TO OPEN. SUPPLY SUITABLE EXTENSION STEM FOR OPERATING VALVE.
- 5- ALL VICTAULIC COUPLINGS TO BE STYLE #44.
- 6- PIPE SLEEVES WITH CONC. RING, CAULKED WITH OAKUM IN CENTRE OF SLEEVE & FINISHED WITH STERNSON'S SULFASAL OR EQUAL AT EA. FACE.
- 6- SUMP PUMP TO DISCHARGE INTO COMM. CHAMBER. (DISCHARGE TO PASS TROUGH WALL AT COMM. MOTOR FL. LEVEL.)



AS BUILT MAR. 1971 V.D.



REVISIONS			
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THE METROPOLITAN CORPORATION OF GREATER WINNIPEG
WATERWORKS & WASTE DISPOSAL DIVISION
 SEWAGE DISPOSAL BRANCH

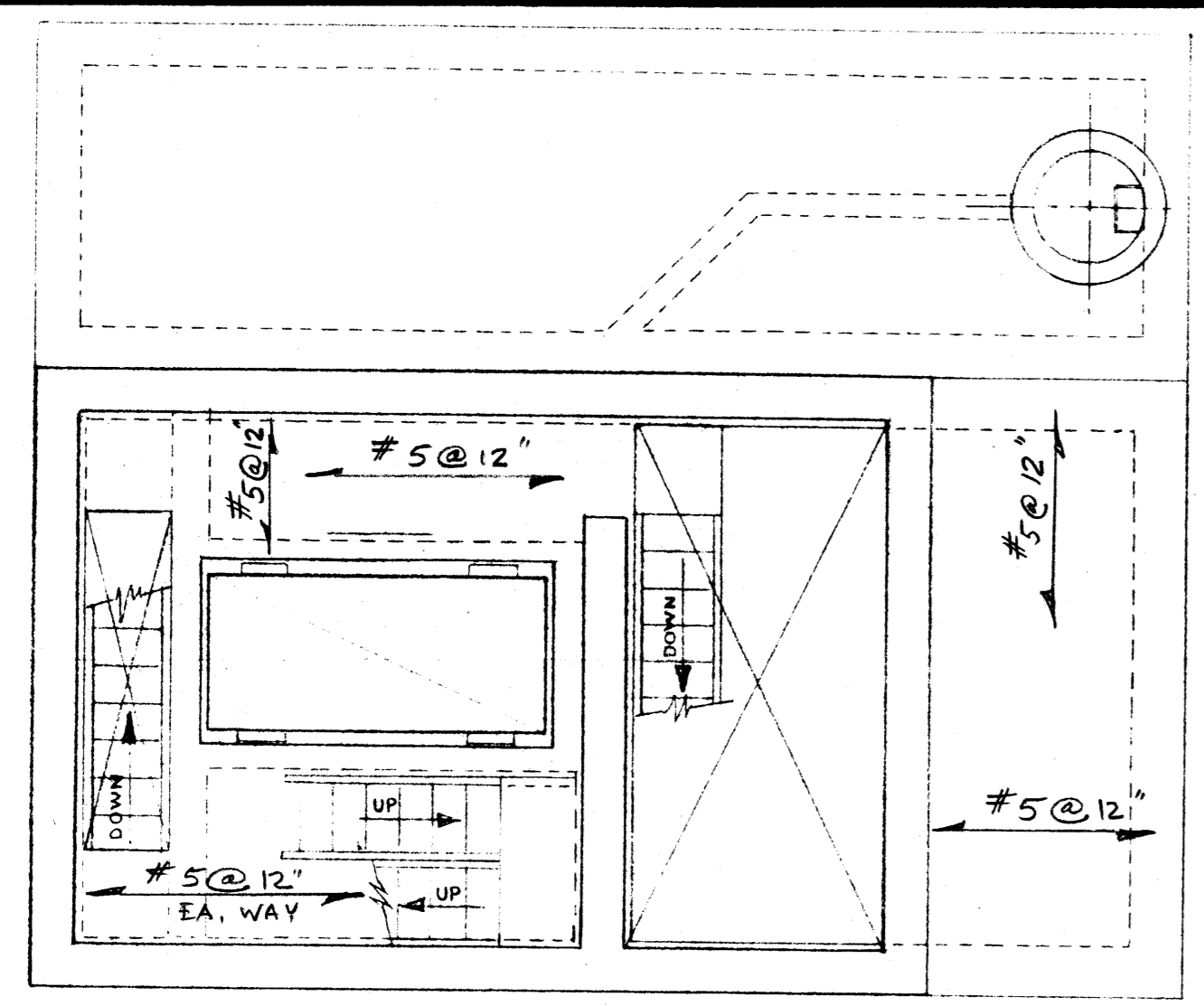
**ST. JAMES INTERCEPTOR
 CONWAY COMMINUTOR AND
 PUMPING STATION**

APPROVED BY: *[Signature]* DATE: *[Date]*
 DESIGNED BY: *[Signature]* DRAWN BY: *[Signature]*
 CHECKED BY: *[Signature]* DATE: *[Date]*
 CHIEF ENGINEER

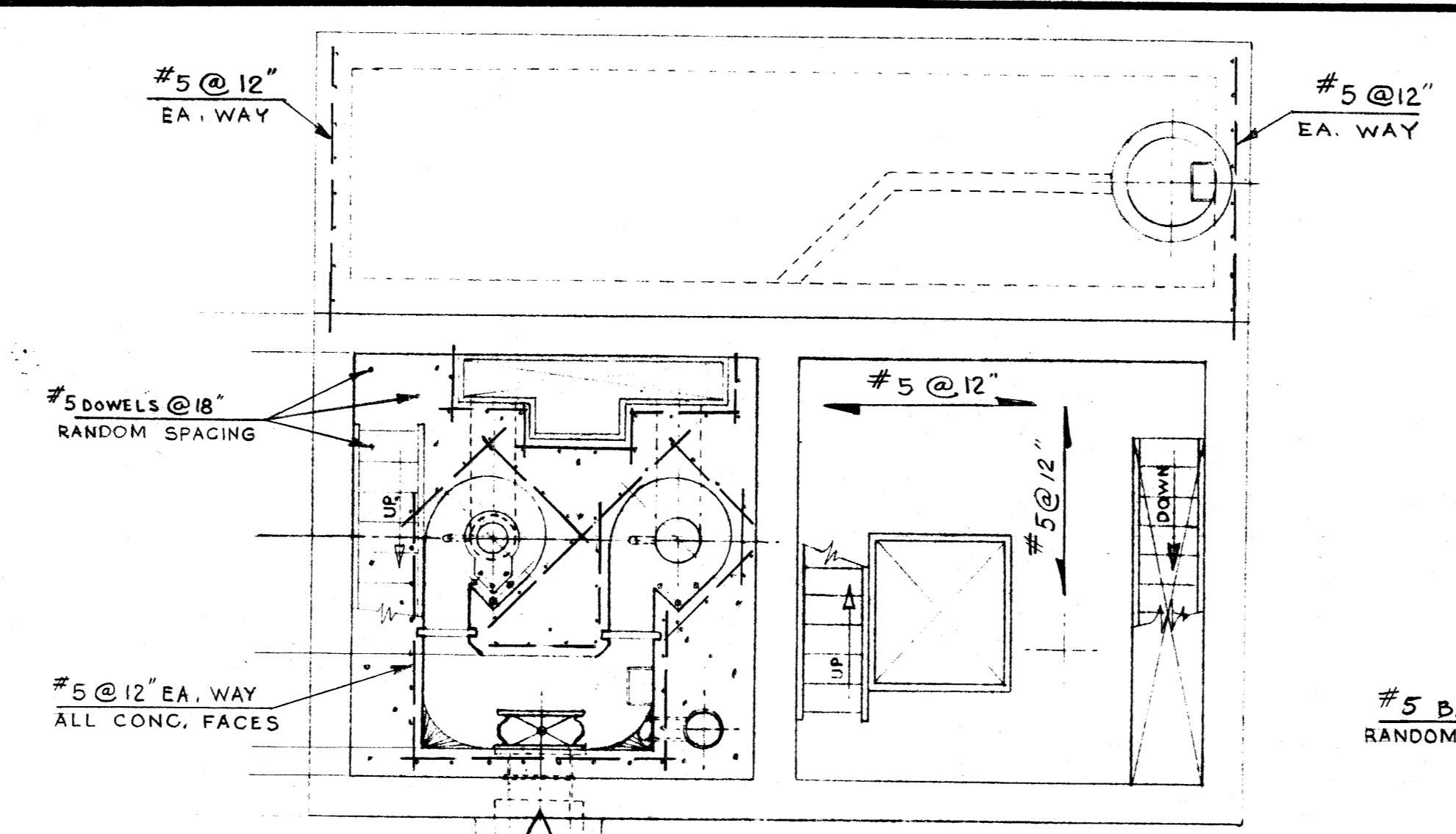
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404A file # SP10096

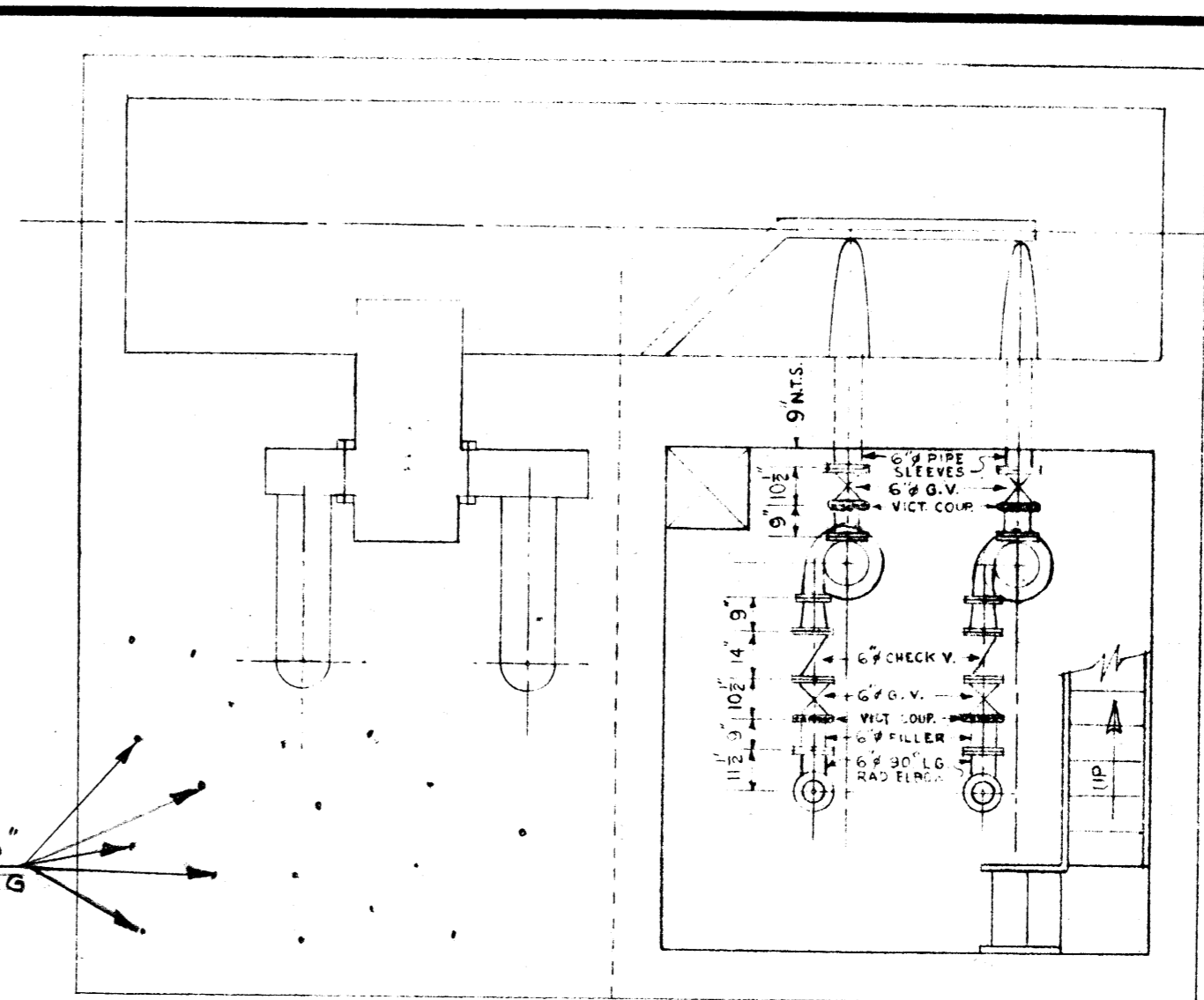
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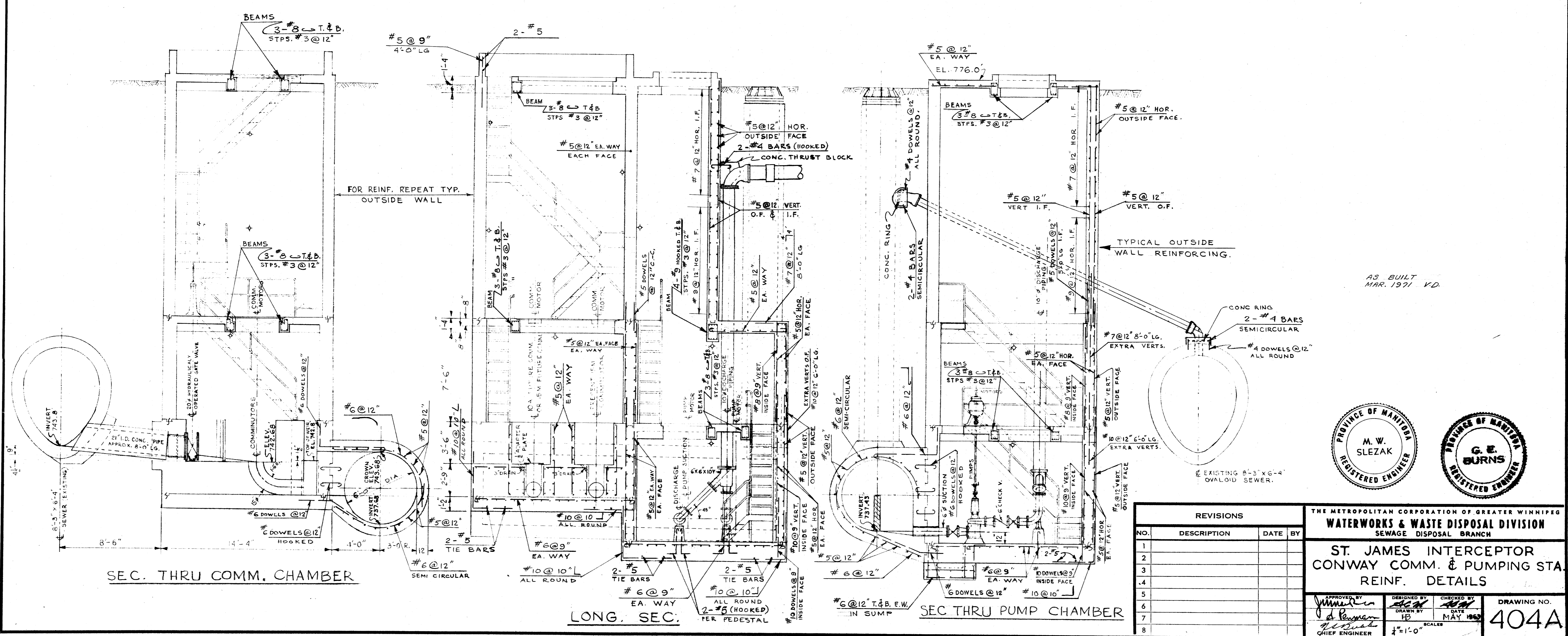
MOTOR RM. FL. PLAN



COMM. BASIN & PUMP MOTOR RM. FL.



SUMP INLET & PUMP CHAMBER FL.



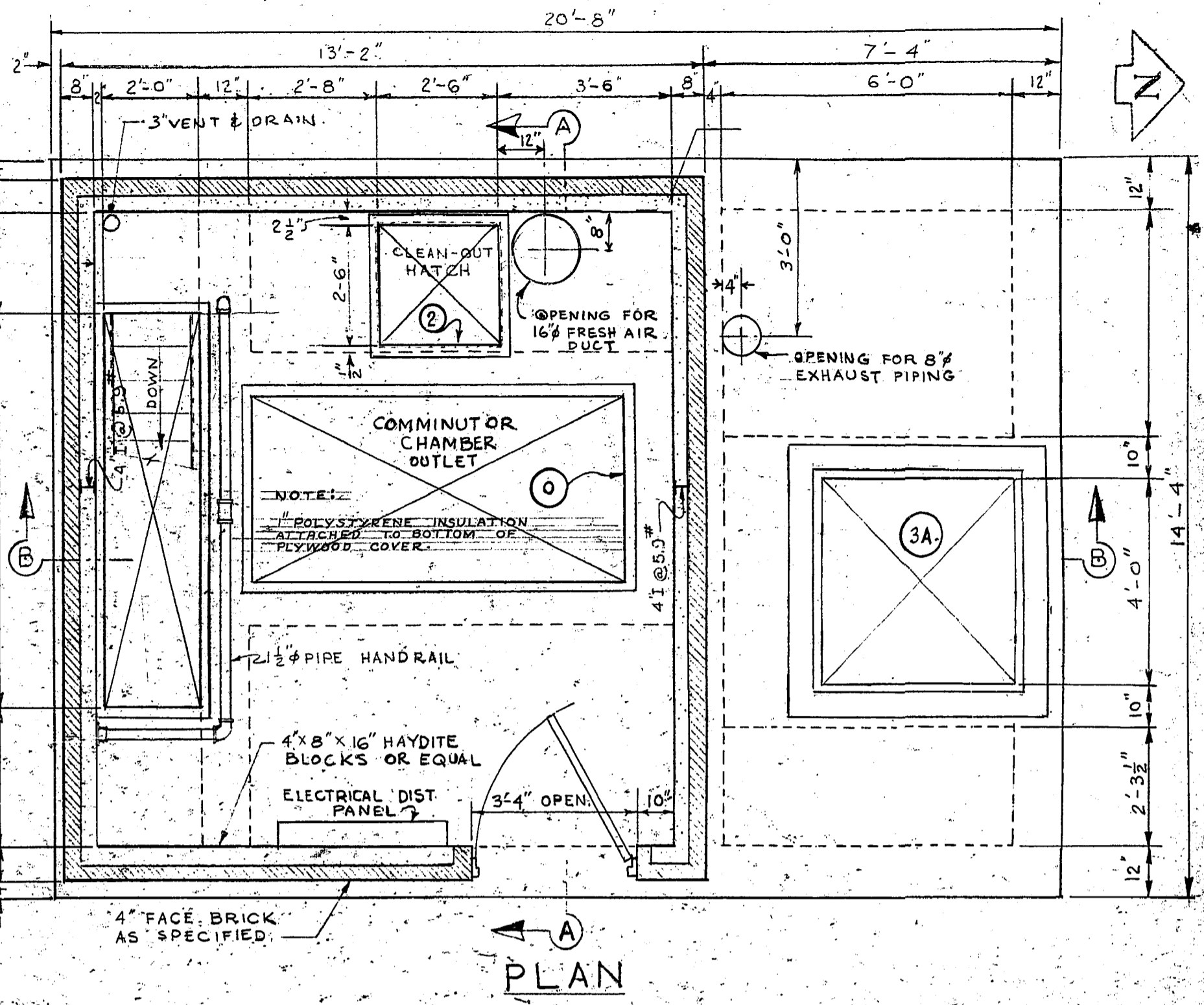
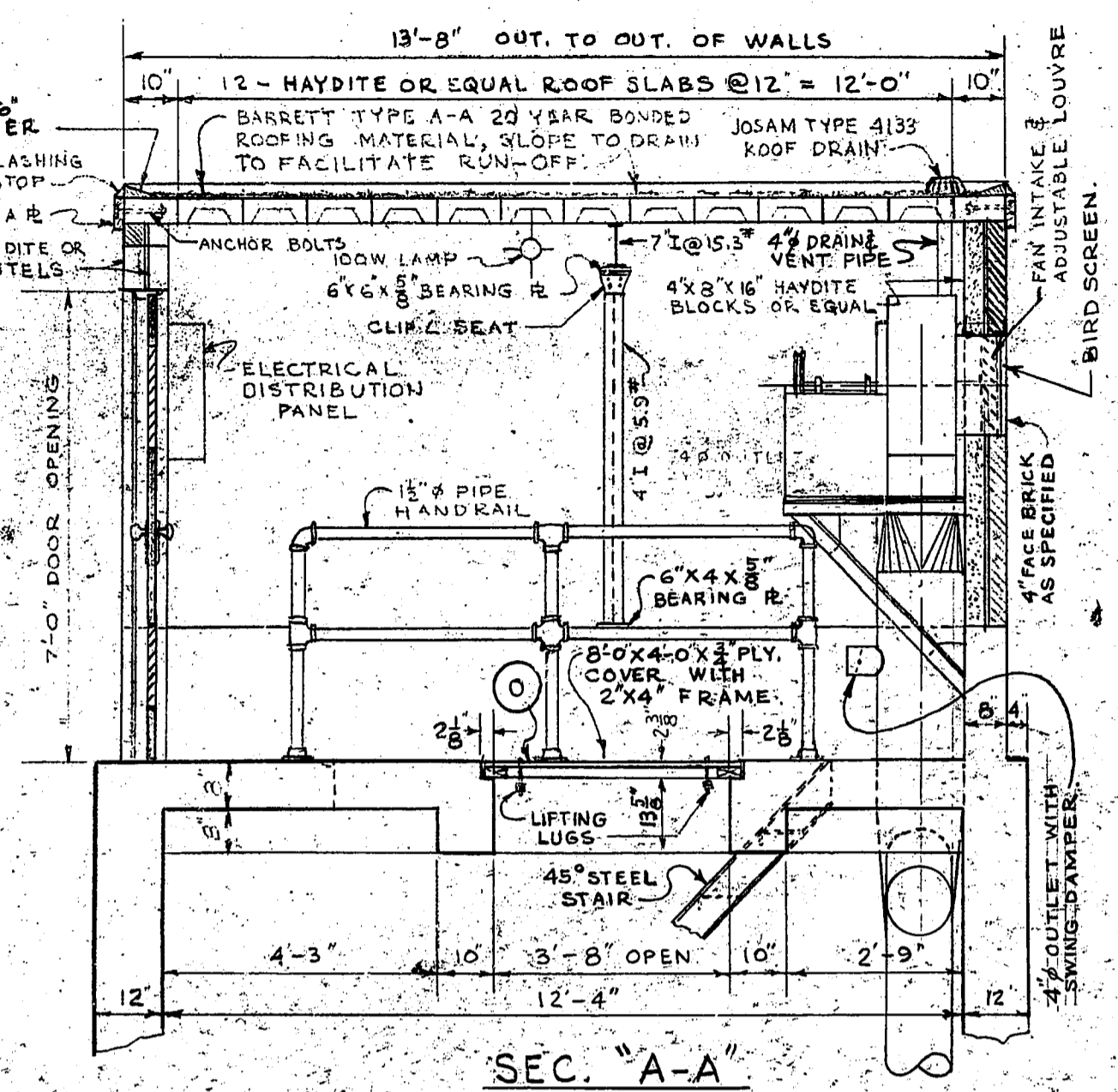
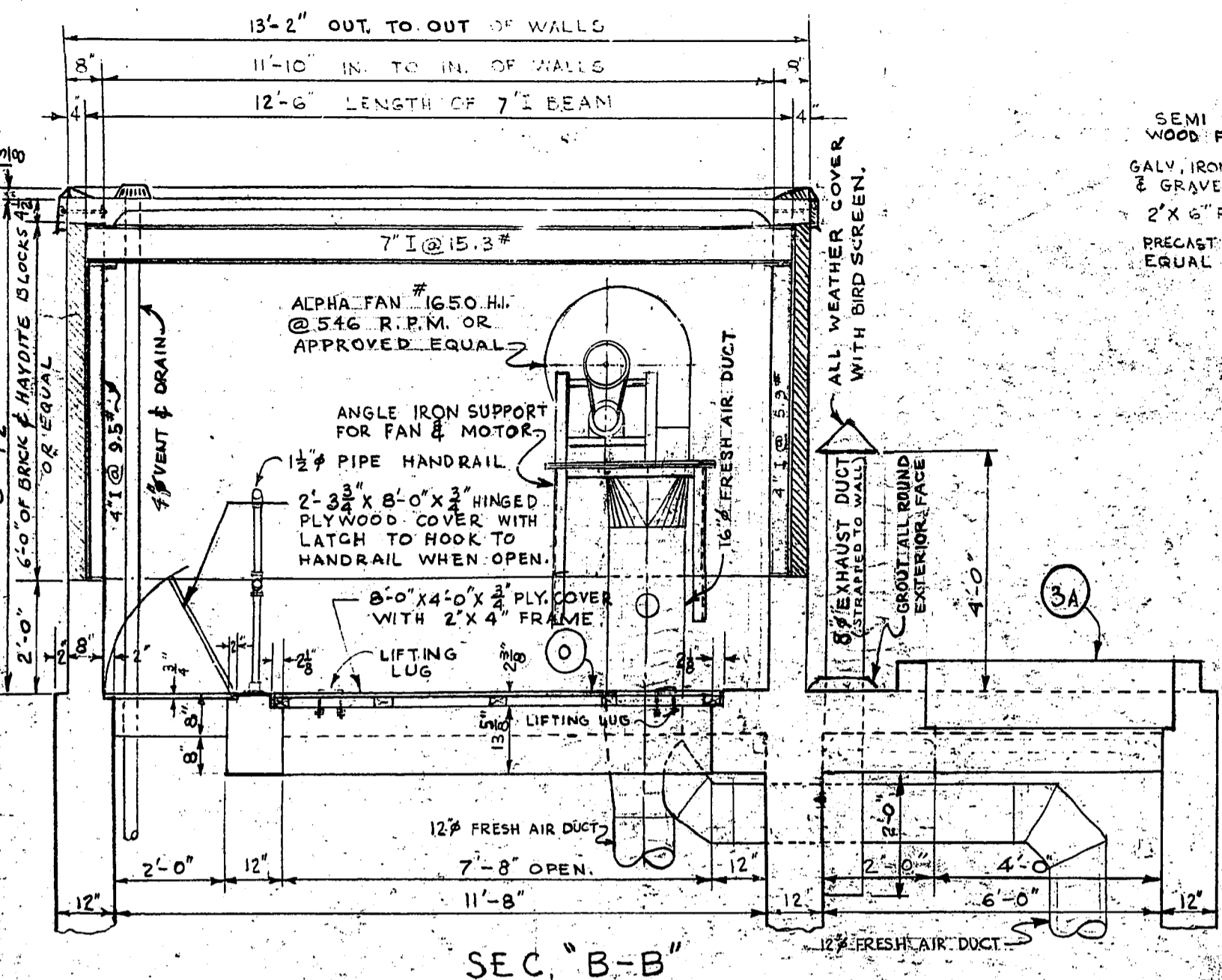
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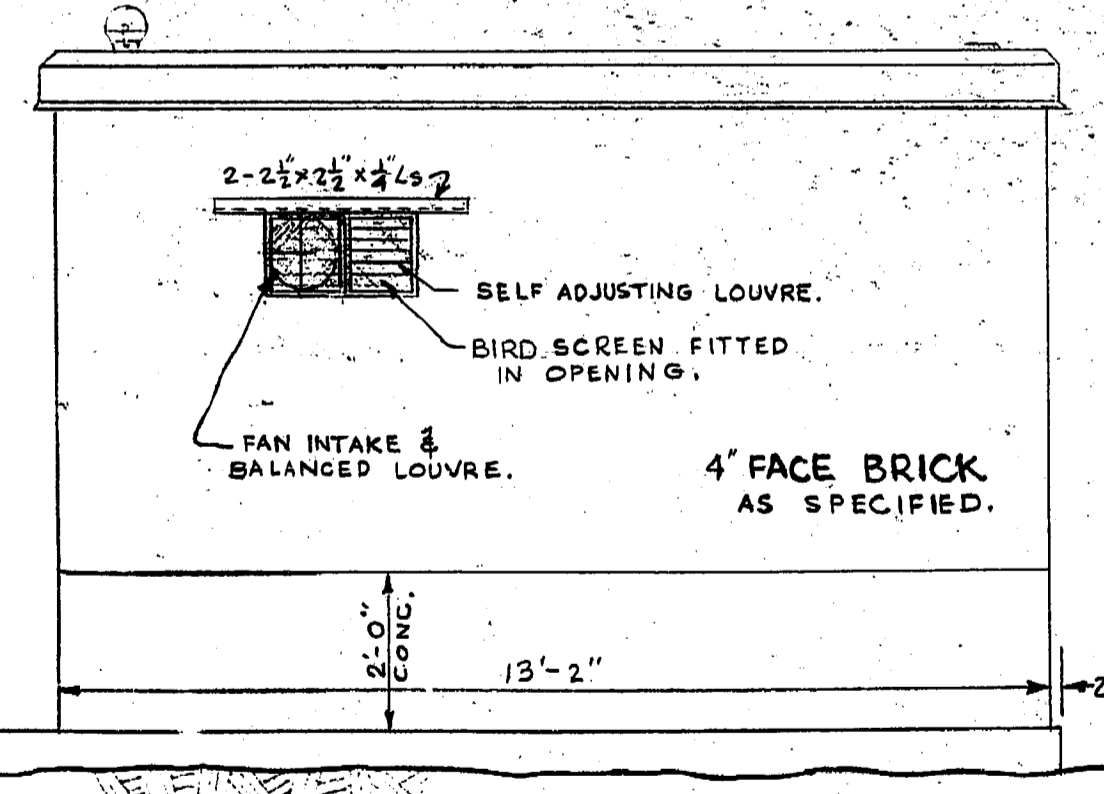
REVISIONS			
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THE METROPOLITAN CORPORATION OF GREATER WINNIPEG			
WATERWORKS & WASTE DISPOSAL DIVISION			
SEWAGE DISPOSAL BRANCH			
ST. JAMES INTERCEPTOR			
CONWAY COMM. & PUMPING STA.			
REINF. DETAILS			
APPROVED BY	DESIGNED BY	CHECKED BY	DRAWING NO.
<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	404A
DATE	DATE	DATE	
MAY 1969			
CHIEF ENGINEER	SCALE		
	1"=1'-0"		

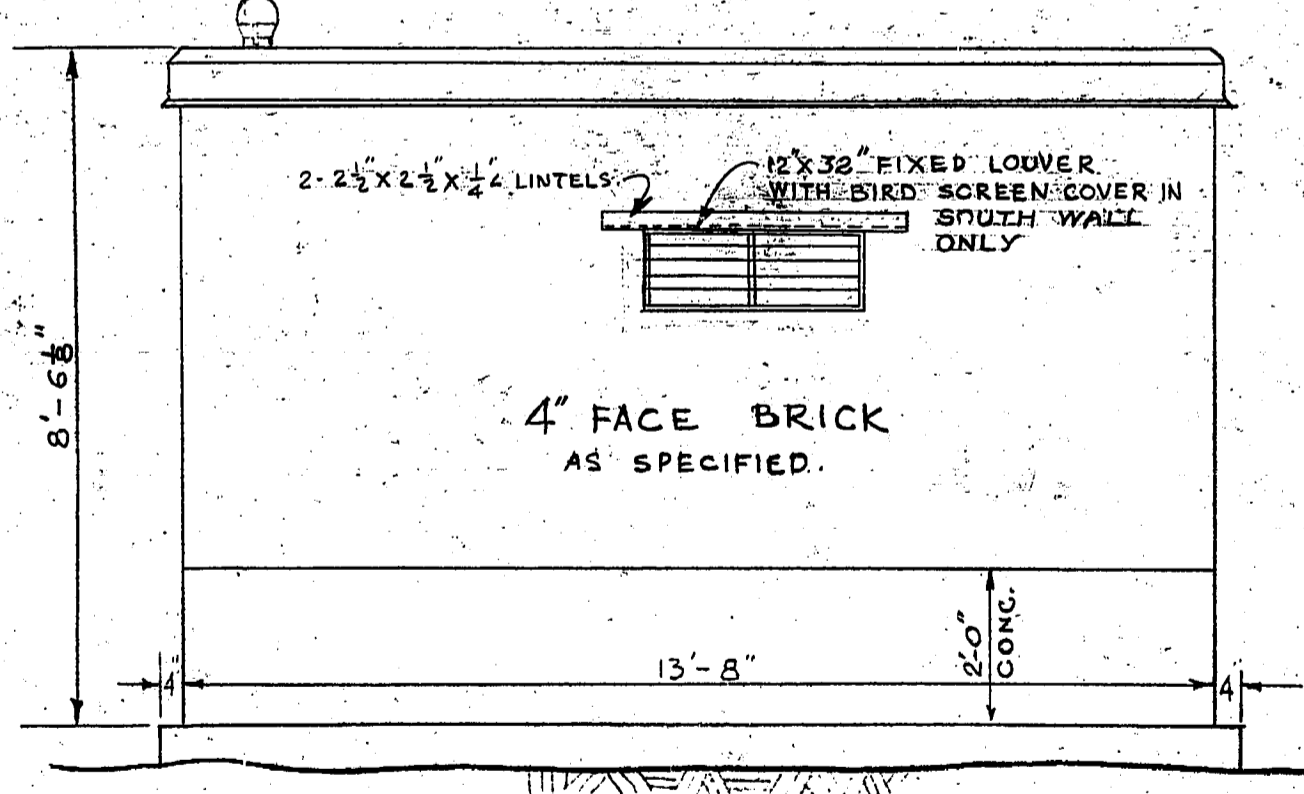
Micro-Filmed 1965
FILMED JANUARY 1972



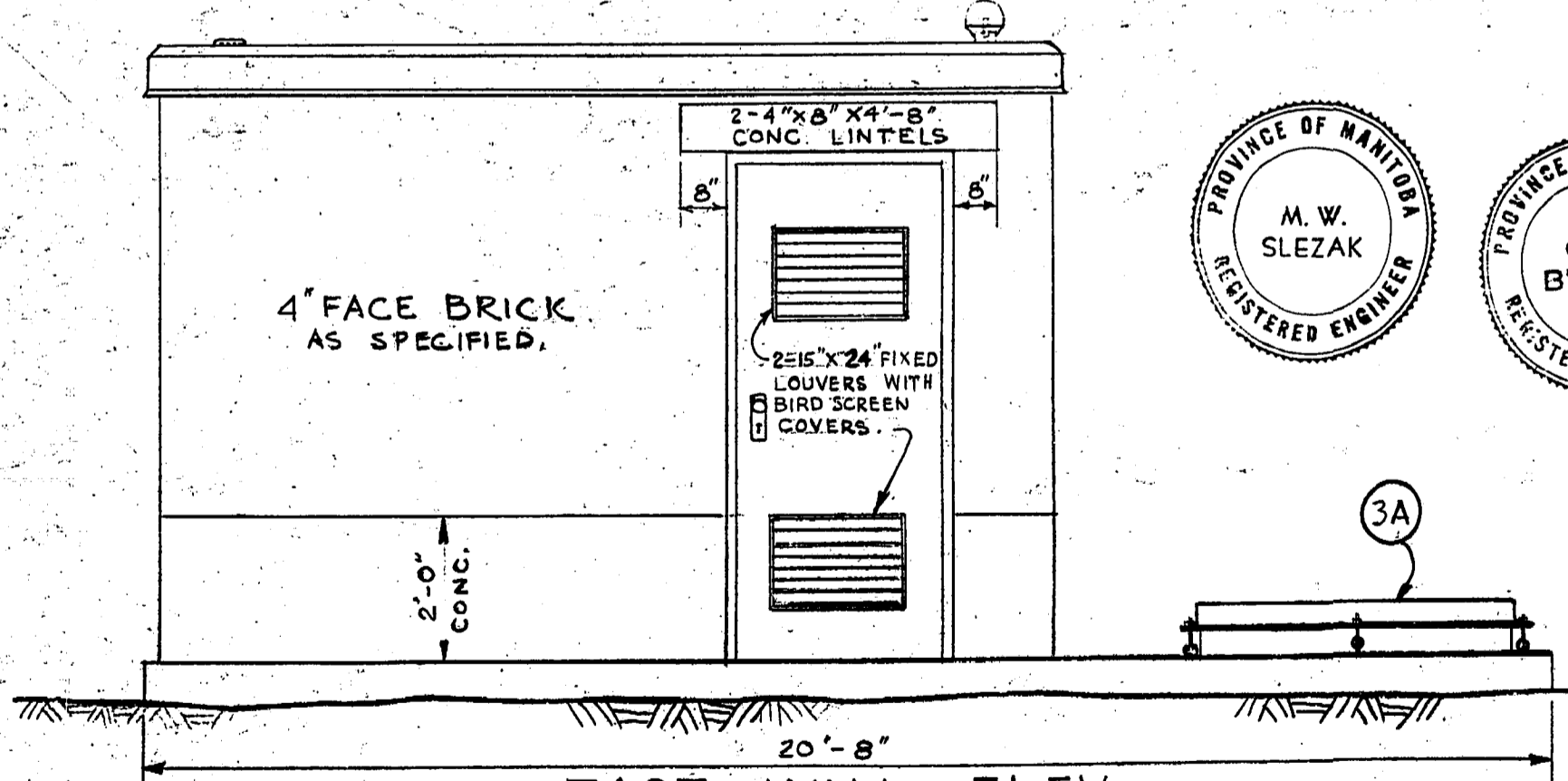
AS BUILT
MAR. 1971 V.O.



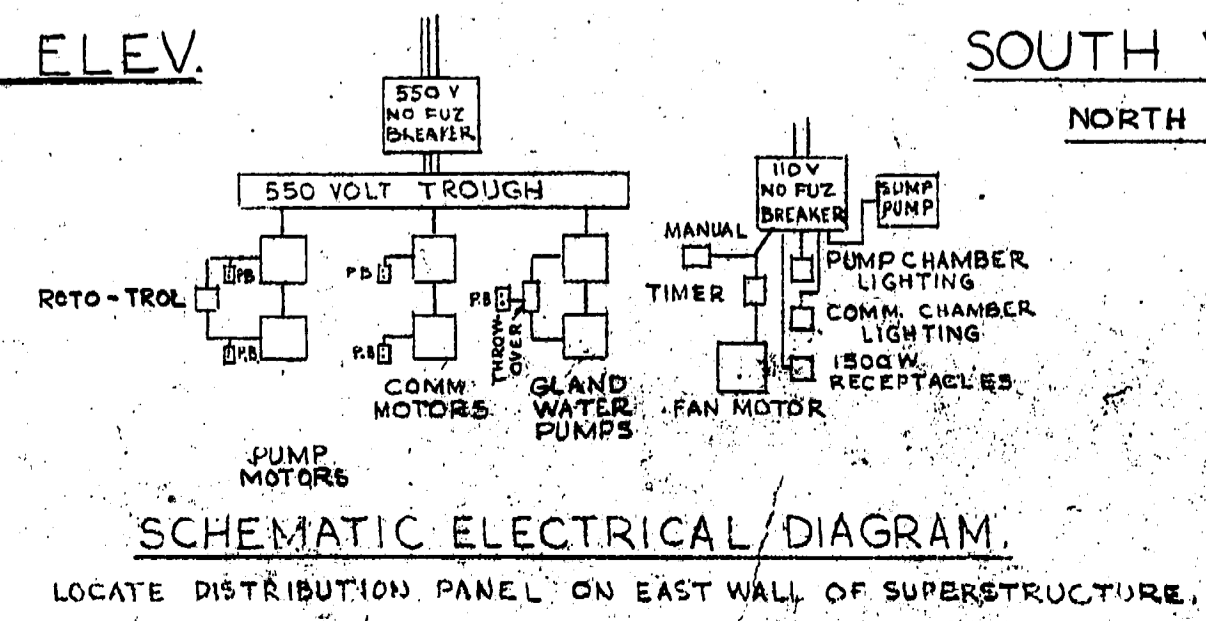
WEST WALL ELEV.



SOUTH WALL ELEV.
NORTH WALL SIMILAR.



EAST WALL ELEV.

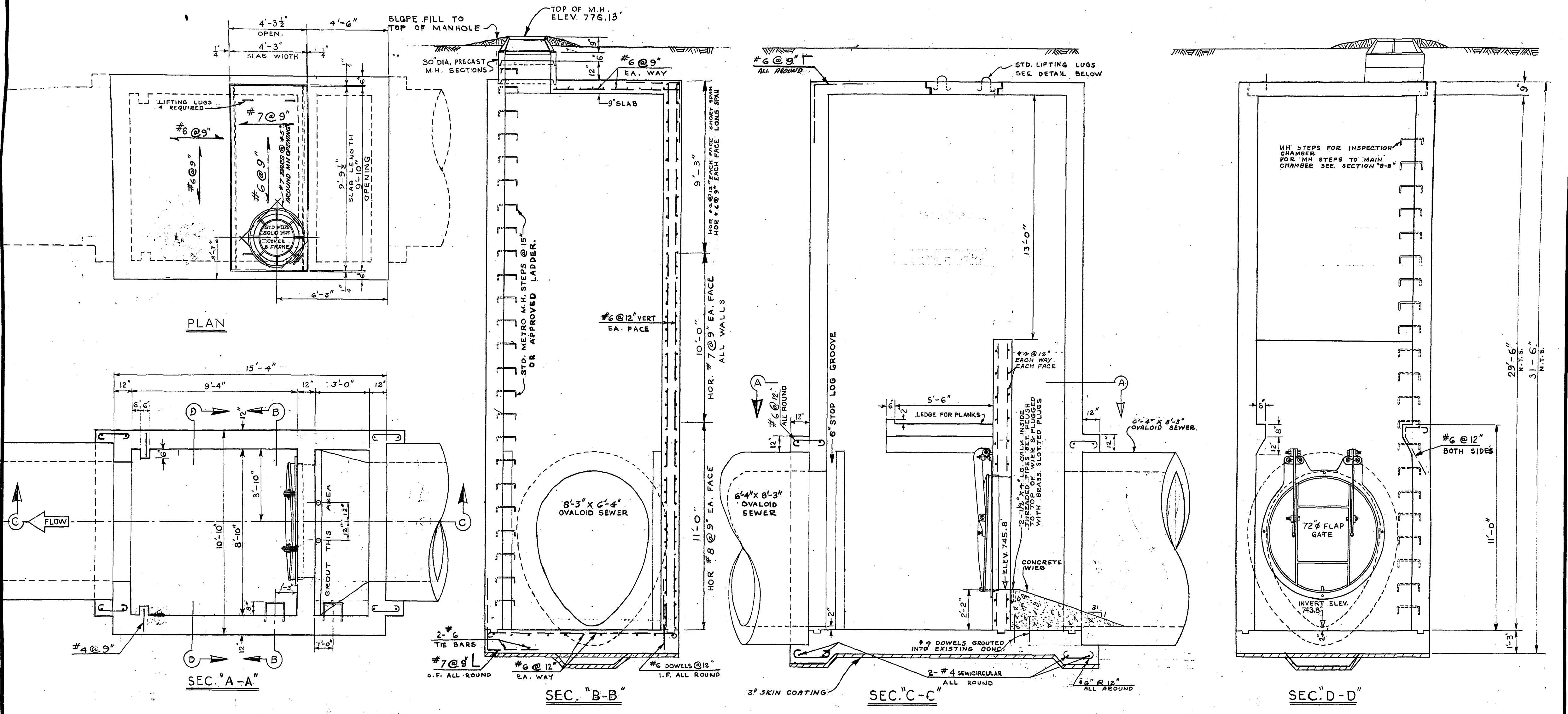


SCHEMATIC ELECTRICAL DIAGRAM.

LOCATE DISTRIBUTION PANEL ON EAST WALL OF SUPERSTRUCTURE.

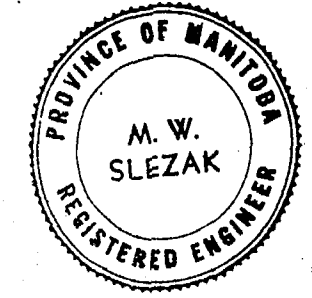
REVISIONS			THE METROPOLITAN CORPORATION OF GREATER WINNIPEG WATERWORKS & WASTE DISPOSAL DIVISION SEWAGE DISPOSAL BRANCH	
NO.	DESCRIPTION	DATE BY	TITLE	SCALE
			ST. JAMES INTERCEPTOR CONWAY COMM. & PUMPING STA SUPERSTRUCTURE DETAILS	1/2" = 1'-0"
			APPROVED BY: <i>[Signature]</i> H. BUXMAN CHIEF ENGINEER	DESIGNED BY: <i>[Signature]</i> H. BUXMAN MAY 63
			CHECKED BY: <i>[Signature]</i> G. E. BURNS REGISTERED ENGINEER	DRAWN BY: <i>[Signature]</i> G. E. BURNS REGISTERED ENGINEER

Micro-Filmed 1965



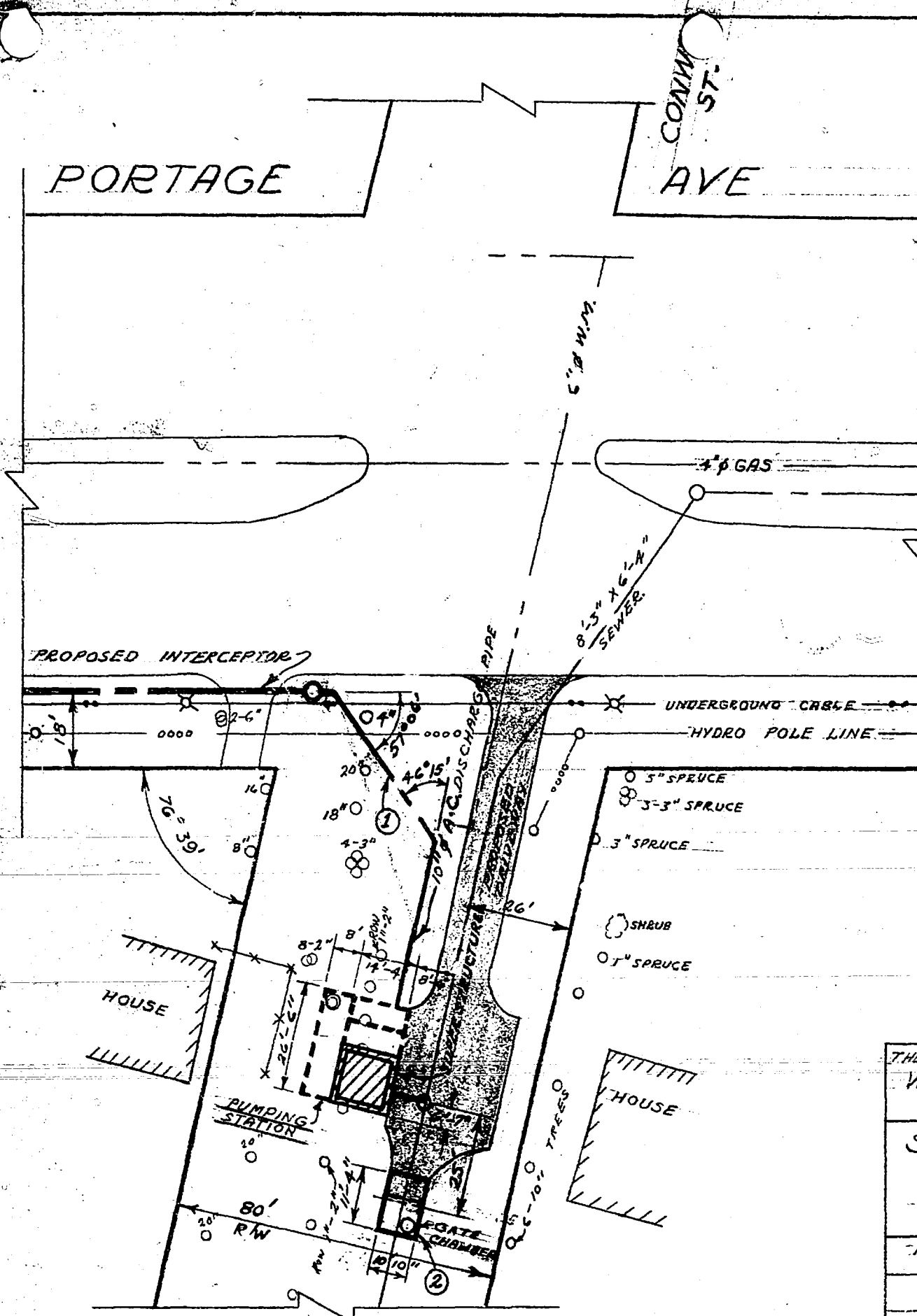
1 SEAL ALL JOINTS OF REMOVEABLE SLAB WITH HOT PITCH.
2 HOT GALVANIZE ALL MISCELLANEOUS IRON WORK.

AS BUILT
MAR. 1971 V.D.



REVISIONS				THE METROPOLITAN CORPORATION OF GREATER WINNIPEG WATERWORKS & WASTE DISPOSAL DIVISION SEWAGE DISPOSAL BRANCH	
NO.	DESCRIPTION	DATE	BY		
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APPROVED BY <i>[Signature]</i> CHIEF ENGINEER	DESIGNED BY <i>[Signature]</i> DATE MAR 1963	CHECKED BY <i>[Signature]</i> DATE MAR 1963	DRAWING NO. 445
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LEGEND
 0 12" = 12" Ø TREE

- REVISIONS**
- ① 10" Ø DISCHARGE PIPE RELOCATED JUNE 17/63 V.D.
 - ② GATE CHAMBER DIMENSIONS CHANGED " 26/63 V.D.

THE METROPOLITAN CORPORATION OF GREATER WPG			
WATERWORKS & WASTE DISPOSAL DIVISION			
SEWAGE DISPOSAL BRANCH			
ST. JAMES INTERCEPTOR SITE PLAN CONWAY PUMPING STATION			
APPROVED BY	DESIGNED BY	CHECKED BY	DWG. No. S-267
	DRAWN BY V.D	DATE 11/3/63	
SCALE'S 1" = 40'			