Appendix D

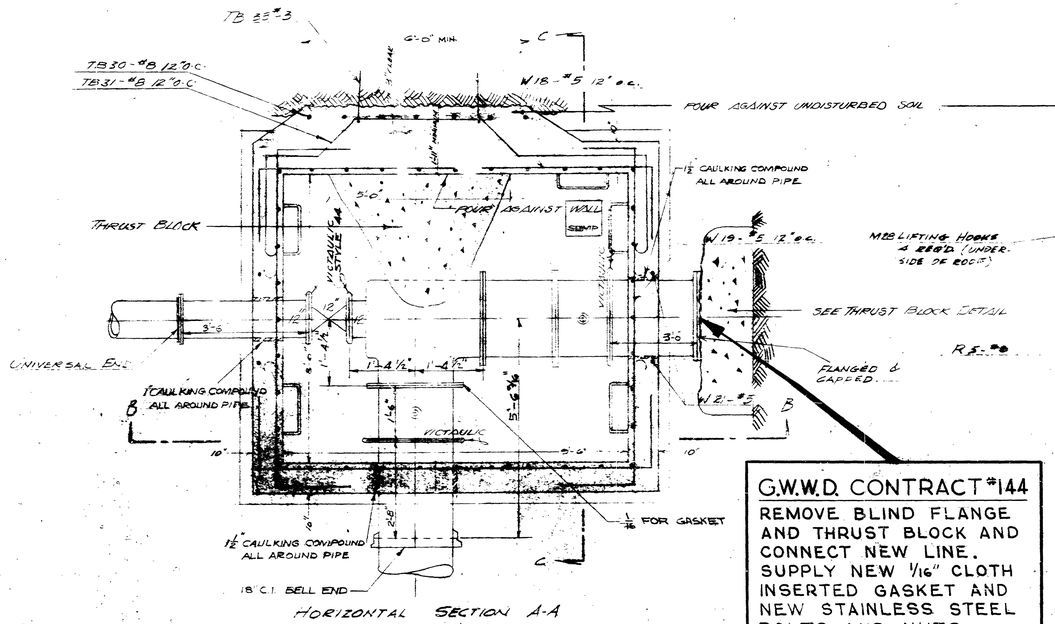
As-Built Drawings for Existing Chambers

G.W.W.D. No. D-764

REINFORCING STEEL SCHEDULE

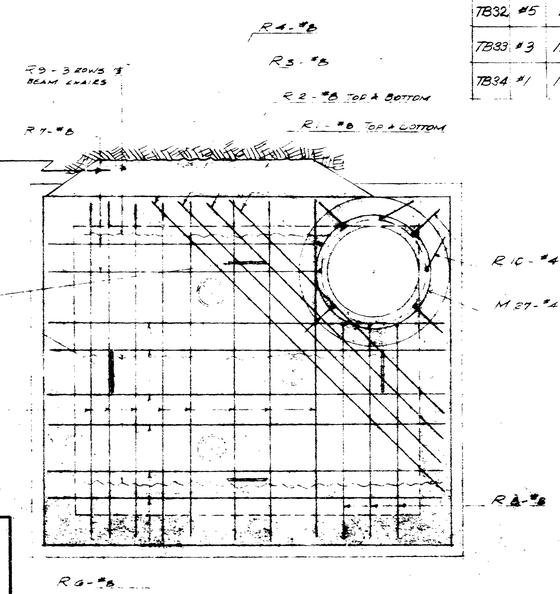
MARK	SIZE	No. REQD	LENGTH	TYPE	LOCATION
R1	#8	2	9'-11"	6" HOOK 8'-3"	ROOF SLAB
R2	#8	2	9'-1"	6" HOOK 9'-3"	" "
R3	#8		11'-11"	6" HOOK 10'-8"	" "
R4	#8		12'-11"	6" HOOK 11'-2"	" "
R5	#8	6	8'-6"	6" HOOK 10'-10"	" "
R6	#8	8	11'-0"	6" HOOK 9'-4"	" "
R7	#8	2	9'-7"	6" HOOK 7'-6"	" "
R8	#8	3	8'-0"	6" HOOK 5'-11"	" "
R9	26	LIN. FT.	of 1½" HY BEAM CHAIRS		" "
R10	#4	6	2'-3"		BET. ROOF SLAB & M.H.
WR11	#5	33	5'-6"		DOWELS FROM WALLS & ROOF SLAB
WR12 & FR12	#5	36	2'-7"	HY CHAIRS	20 for ROOF DOWELS 16 for FLOOR SLAB
WR13	#5	2	9'-6"	STRAIGHT	SUPT. RODS FOR DOWELS
WR14	#5	2	6'-6"	"	"
WR15	#5	2	8'-0"	"	"
WR16	#5	2	5'-3"	"	"
W17	#5	36	10'-1"	VERT. STRAIGHT IN WALLS @ 12" o.c.	
W18	#5	20	14'-9"		HORIZ. IN WALLS 12" o.c.
W19	#5	20	13'-3"		"
W20	#5	8	6'-0"		HORIZ. IN WALL WHERE PIPE PENETRATES.
W21	#5	8	3'-6"	STRAIGHT	LOCATE AS SHOWN WHERE 24" PIPE PENETRATES WALLS.
FW22	#7	11	15'-2"		SHORT SPAN FLOOR SLAB
FW23	#7	9	16'-10"		LONG SPAN FLOOR SLAB
F24	#7	10	11'-2"		SHORT SPAN FLOOR SLAB
F25	#7	8	12'-8"		LONG SPAN FLOOR SLAB
F26	#5	4	10'-6"	STRAIGHT	SUPT. RODS for FLOOR SLAB
M27	#4	1	9'-11"		LOCATE IN M.H. BARREL
M28	#6	4	2'-5½"		LIFTING HOOKS TO BE PLACED ON UNDER-SIDE OF ROOF
M29	#6	16	3'-7½"		CAST IN PLACE STEP #6 ROD HOT DIP GALVANIZED AFTER BENDING. USE 5" PROJECTION FROM CONC. WALL.
TB30	#8	7	16'-2"	10" HOOK 8'-2" 13" o.to.o. 4'-4" 10" HOOK	VERTICAL IN THRUST WALL
TB31	#8	7	18'-5"	12" o.to.o. 1'-5" 3'-6" 3'-6" 2'-5"	HORIZONTAL IN THRUST WALL
TB32	#5	1	6'-6"	6'-6" STRAIGHT	SUPPLY SPACER BAR FOR TB30
TB33	#3	17	1'-7"	SIMILAR 1'-0"	DRIVEN IN GROUND TO SUPT. TB31 & 32
TB34	#1	14	1'-3"	7" 4"	DRIVEN IN GROUND TO SUPT. TB30

CONTINUED UPPER RIGHT HAND CORNER.



HORIZONTAL SECTION A-A

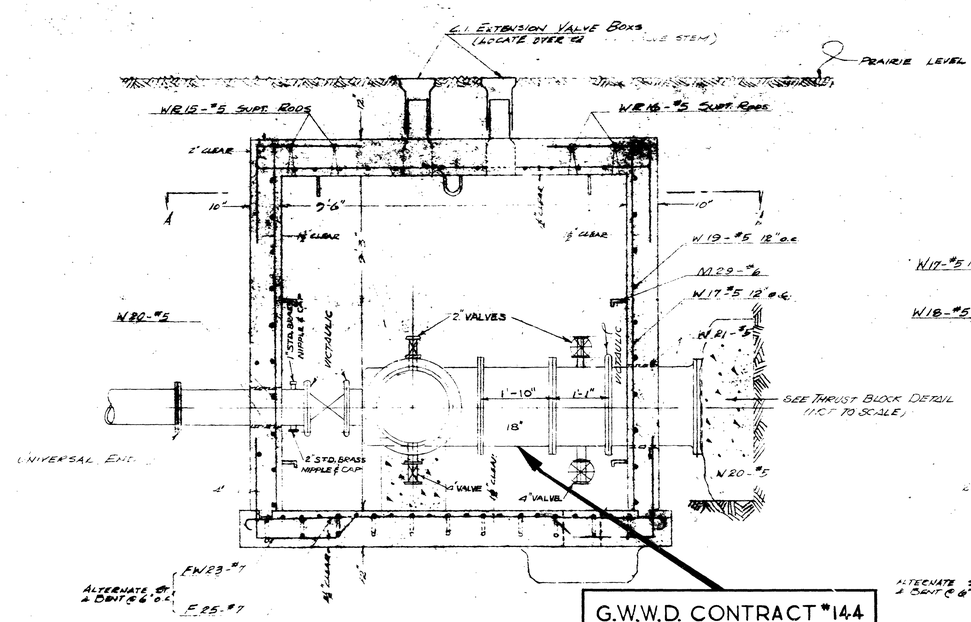
G.W.W.D. CONTRACT #144
REMOVE BLIND FLANGE AND THRUST BLOCK AND CONNECT NEW LINE. SUPPLY NEW 1/16" CLOTH INSERTED GASKET AND NEW STAINLESS STEEL BOLTS AND NUTS.



ROOF STEEL PLAN

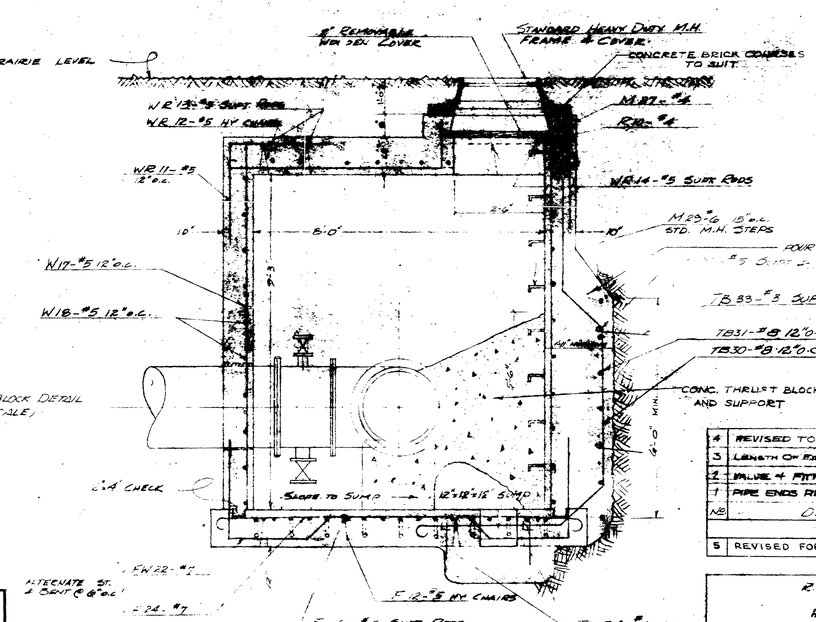
REMARKS

1. ALL CAST IRON PIPING & FITTINGS ARE CLASS 150.
2. ALL CONCRETE IS 3000 p.s.i. ALKALI RESISTANT AIR-ENTRAINED KALICRETE TRANSIT MIXED
4. SEE GENERAL LAYOUT PLAN C-1-158 FOR LOCATION OF VALVE PIT.



VERTICAL SECTION B-B

G.W.W.D. CONTRACT #144
SUPPLY AND INSTALL 18" - 125# A.W.W.A. GATE VALVE FLANGE TO FLANGE AND FLANGE TO VICTAULIC ADAPTER WITH VENT AND DRAIN.



VERTICAL SECTION C-C

PROVINCE OF MANITOBA — T. E. DOLHUN — REGISTERED ENGINEER

No	DESCRIPTION	BY	DATE
4	REVISED TO AS BUILT	R.M.	Nov 4/59
3	LENGTH OF FITTINGS REVISED	R.M.	March 4/59
2	VALVE & FITTINGS SHOWN 18"	R.M.	Oct 2/58
1	PIPE ENDS REVISED	R.M.	Sept 24/58
5	REVISED FOR G.W.W.D. CONTRACT #144	S.K.	JUNE 24/60

REVISIONS

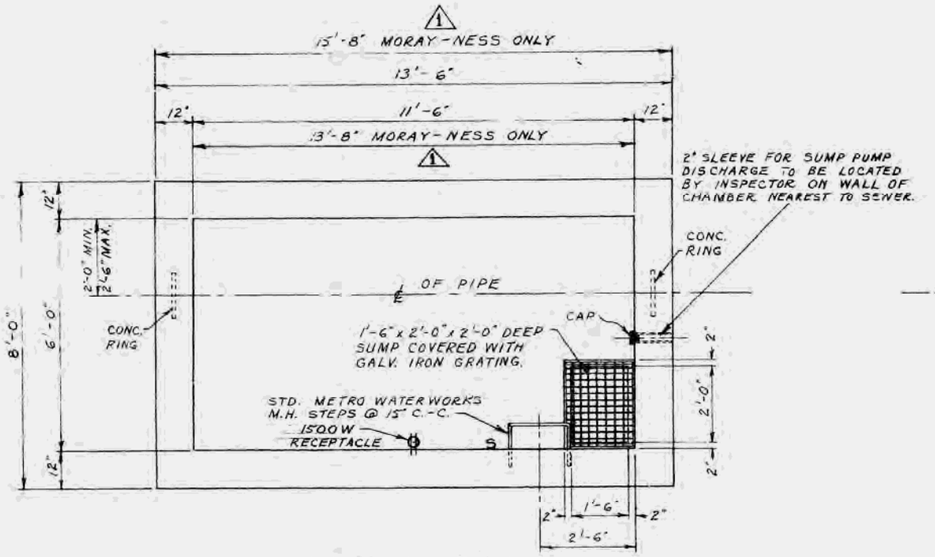
R. M. CHARLESWOOD

AS BUILT DETAIL OF VALVE-PIT "D" LOCATED AT ELDRIDGE AVE. & HANEY STREET

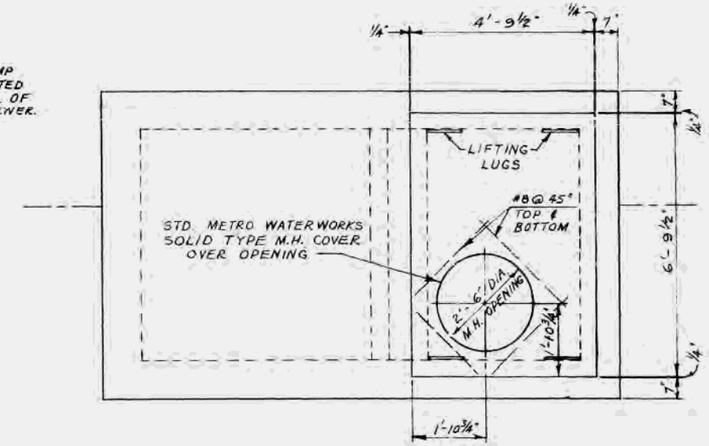
TEMPLETON ENGINEERING COMPANY

DESIGNED BY S.D.	SCALE ½" = 1'-0"	PLAN No.
DRAWN BY W.T.D.	DATE AUG. 14 '58	C-6-158
APPROVED BY		

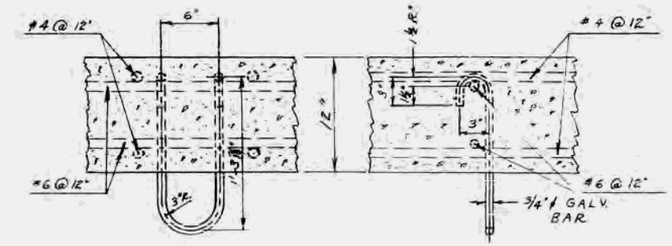
G.W.W.D. No. D-764



FLOOR PLAN

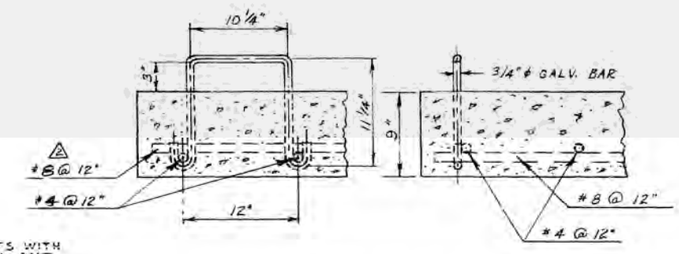


ROOF PLAN



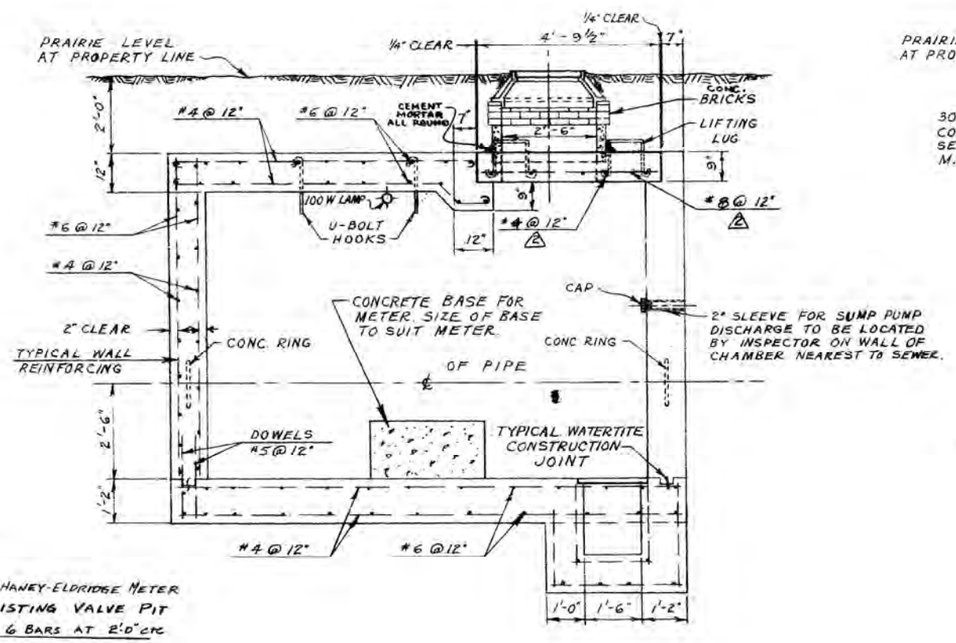
DETAIL OF U-BOLT HOOK

SCALE - 1½" = 1'-0"



DETAIL OF LIFTING LUG

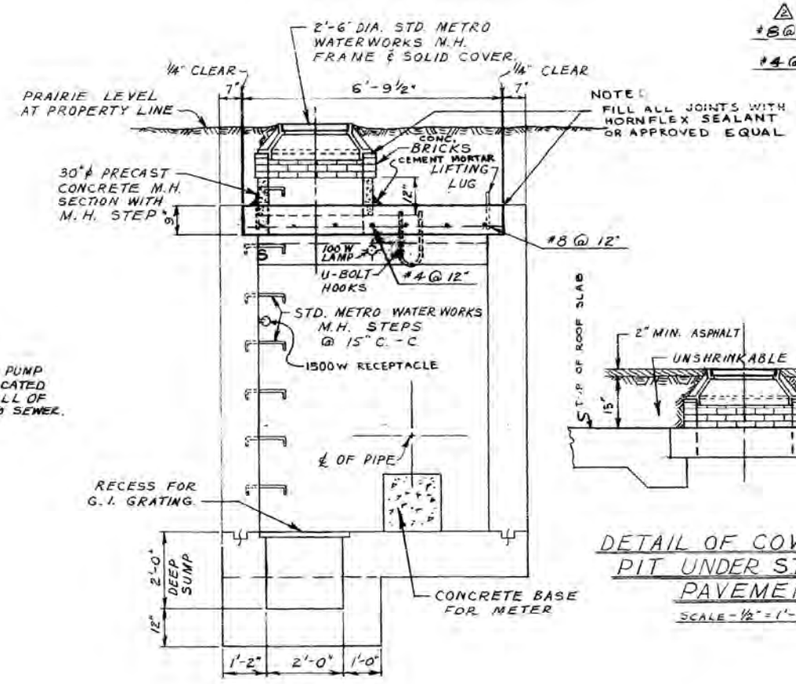
SCALE - 1½" = 1'-0"



NOTE:
DOWEL HANEY-ELDRIDGE METER PIT TO EXISTING VALVE PIT WITH No. 6 BARS AT 2'-0" CTR.

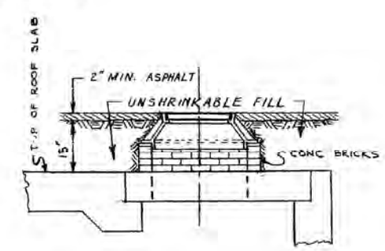
LONG. SECTION

SCALE - ½" = 1'-0"



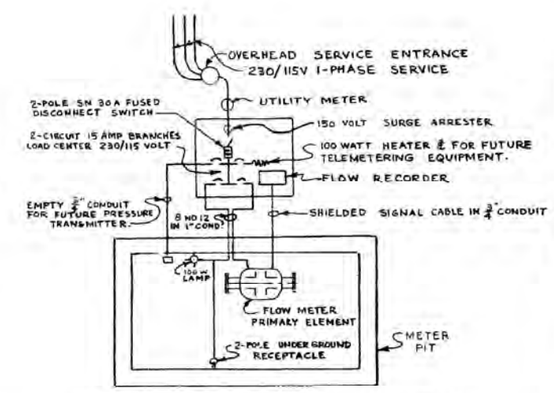
X - SECTION

SCALE - ½" = 1'-0"



DETAIL OF COVER FOR PIT UNDER STREET PAVEMENT

SCALE - ½" = 1'-0"



SCHEMATIC ELECTRICAL DIAGRAM

NOTE:

1. SEE DRAWING No. D-890 FOR PIPING AND PIT LOCATION.

2. SEE DRAWING No. D-888 FOR DETAILS OF POLE AND INSTRUMENT BOX.

PROVINCE OF MANITOBA — J. H. MacBRIDE — REGISTERED ENGINEER

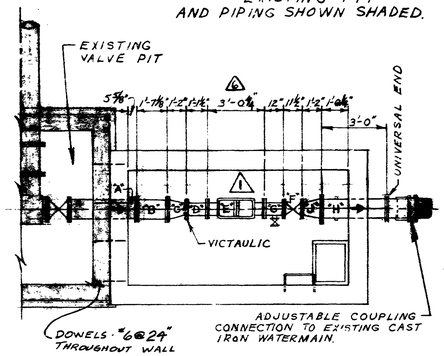
REVISIONS			
NO.	DESCRIPTION	DATE	BY
1	SPECIAL DIMENSIONS FOR MORAY-NESS PIT ADDED.	5 MAY 61.	S.K.
2	SLAB STEEL REVISED	11 JAN 61	
3	NOTE RE DOWELS ADDED	11 JAN 61	

THE METROPOLITAN CORPORATION OF GREATER WINNIPEG
WATERWORKS AND WASTE DISPOSAL DIVISION
WATERWORKS BRANCH

TITLE:
STANDARD
METER PIT FOR
MAGNETIC FLOW METER

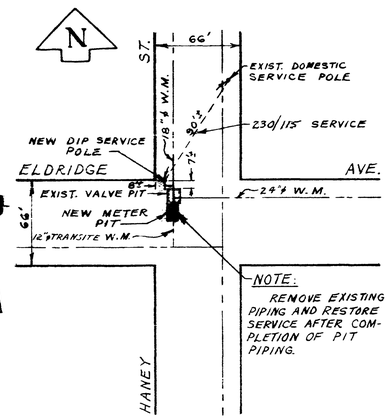
APPROVED BY	DESIGNED BY	CHECKED BY	DRAWING NO.
CHIEF ENGINEER	Mac B	Mac B	D-889
	DRAWN BY S.K.	DATE 4 APRIL 61.	
	SCALES AS NOTED.		

NOTE: EXISTING PIT AND PIPING SHOWN SHADED.



FLOOR PLAN OF PIT

SCALE - 1/4" = 1'-0"

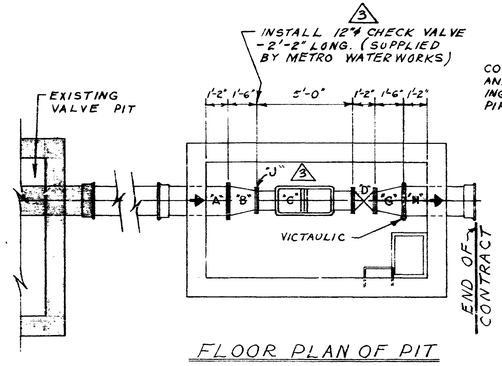


LOCATION PLAN OF PIT

SCALE - 1" = 60'

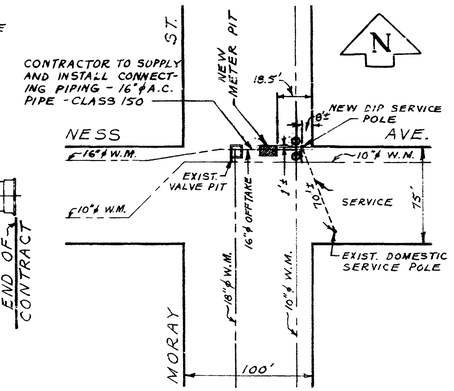
HANEY & ELDRIDGE PIT

NOTE: EXISTING PIT AND PIPING SHOWN SHADED.



FLOOR PLAN OF PIT

SCALE - 1/4" = 1'-0"



LOCATION PLAN OF PIT

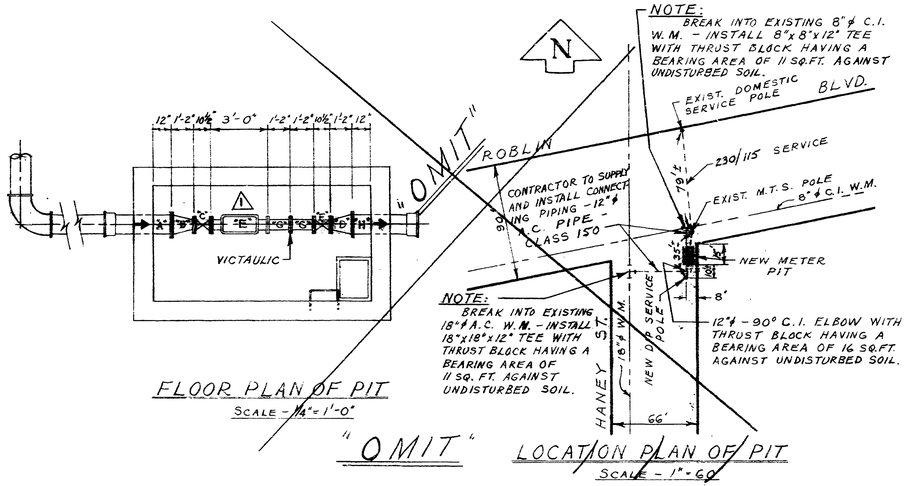
SCALE - 1" = 60'

MORAY & NESS PIT

LOCATION OF METER PIT	FLOOR ELEV.	℄ OF PIPE ELEV.	ROOF ELEV. (TOP)	GROUND ELEV.
MORAY ST. AND NESS AVE. PIT	769.68	772.18	777.00	779.00
HANEY ST AND ELDRIDGE AVE PIT	759.95	762.45	770.2	772.2
HANEY ST. AND HEDLEY AVE. PIT	759.88	762.38	769.6	771.6

4

NOTE: BREAK INTO EXISTING 8" ϕ C.I. W.M. - INSTALL 8"x8"x12" TEE WITH THRUST BLOCK HAVING A BEARING AREA OF 11 SQ.FT. AGAINST UNDISTURBED SOIL.



NOTE: BREAK INTO EXISTING 18" ϕ A.C. W.M. - INSTALL 18"x18"x12" TEE WITH THRUST BLOCK HAVING A BEARING AREA OF 11 SQ. FT. AGAINST UNDISTURBED SOIL.

FLOOR PLAN OF PIT

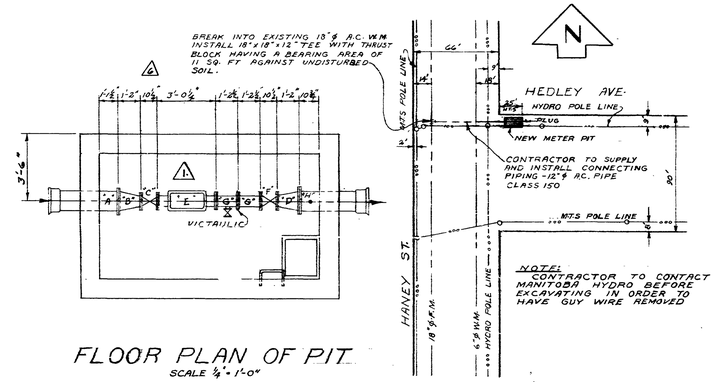
SCALE - 1/4" = 1'-0"

"OMIT"

LOCATION PLAN OF PIT

SCALE - 1" = 60'

~~HANEY & ROBLIN PIT~~



FLOOR PLAN OF PIT

SCALE 1/4" = 1'-0"

LOCATION PLAN OF PIT

SCALE 1" = 60'

HANEY & HEDLEY PIT

LIST OF NOTES

NOTE #1

CAST IRON PIPE - 3'-0" LONG. (CAST IRON BELL TO FLANGE) CONCRETE RING 1'-7" FROM FLANGED END.

NOTE #2

CAST IRON PIPE - 3'-0" LONG. (CAST IRON BELL TO FLANGE.) CONCRETE RING 1'-7" FROM FLANGED END AND 2 - 1" ϕ TAPPED HOLES ON OPPOSITE SIDES OF CAST IRON PIPE AT 6" FROM FLANGE WITH BRASS PLUG.

NOTE #3

SAME AS NOTE # 2, EXCEPT THE CAST IRON PIPE HAS A UNIVERSAL FEMALE END TO FLANGED END.

NOTE #4

SAME AS NOTE # 2, EXCEPT SUBSTITUTE VICTAULIC FOR FLANGE.

MATERIALS FOR PITS

ITEM	HANEY AND ELDRIDGE PIT	HANEY AND HEDLEY PIT	MORAY AND PORTAGE PIT	MORAY AND NESS PIT		
A	EXIST. 12" ϕ C.I. PIPE (UNIVERSAL END)	12" ϕ C.I. PIPE (SEE NOTE #1)	10" ϕ C.I. PIPE (SEE NOTE # 1)	16" ϕ C.I. PIPE (SEE NOTE # 1)		
B	12" ϕ C.I. PIPE (UNIVERSAL TO FLANGE)	12"x 6" FLANGED REDUCER	10"x 8" FLANGED REDUCER	16"x 12" FLANGED REDUCER		
C	12"x 8" REDUCER (FLANGE TO VICTAULIC)	6" ϕ GATE VALVE FLANGED	8" ϕ GATE VALVE FLANGED	FISHER-PORTER METER 5'-0" LONG.		
D	8" ϕ C.I. PIPE - 1'-10½" LONG. (VICTAULIC TO FLANGE)	12"x 6" FLANGED REDUCER	8" ϕ FLANGED C.I. PIPE - 1'-0" LONG.	12" ϕ GATE VALVE FLANGED		
E	FOXBORO METER 3'-0¾" LONG.	FOXBORO METER 3'-0¾" LONG.	FOXBORO METER 3'-0" LONG.	NOT REQUIRED.		
F	8" ϕ GATE VALVE FLANGED.	6" ϕ GATE VALVE FLANGED.	10"x 8" REDUCER (VICTAULIC TO FLANGE)	NOT REQUIRED.		
G *	8" ϕ FLANGED C.I. PIPE - 1'-0" LONG.	2-6" ϕ C.I. PIPES 1'-2½" LONG. (FLANGE TO VICTAULIC)	10" ϕ BELL PIPE - 2'-6" LONG. (FLANGE TO VICTAULIC)	16"x 12" REDUCER (VICTAULIC TO FLANGE)		
	8" VICTAULIC COUPLING - STYLE #44	6" VICTAULIC COUPLING - STYLE #44	10" VICTAULIC COUPLING - STYLE #44	16" VICTAULIC COUPLING - STYLE #44		
H	12" ϕ C.I. PIPE (SEE NOTE #2.)	12" ϕ C.I. PIPE (SEE NOTE #2)	10" ϕ C.I. PIPE (SEE NOTE #2)	16" ϕ C.I. PIPE (SEE NOTE #2)		
J	12"x 8" FLANGED REDUCER			12" ϕ FLANGED CHECK VALVE.		

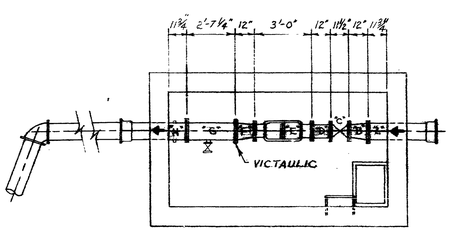
1 2 6

3

* ITEMS "G" TO HAVE 3" ϕ TAPPED HOLE ON SIDE WITH SHORT NIPPLE AND 3" ϕ GATE VALVE.

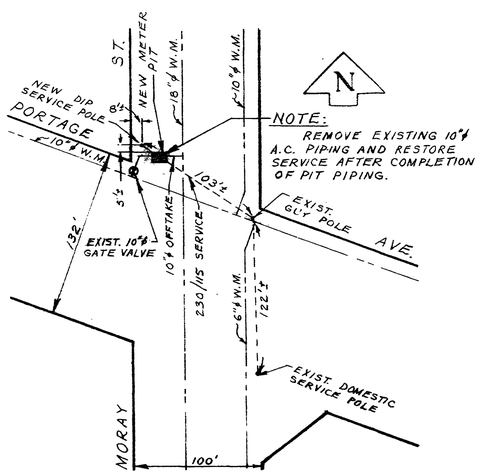
2 ONLY ONE NIPPLE IN HANEY - MORAY PIT TO HAVE 3" ϕ TAPPED HOLE, WITH NIPPLE AND 3" GATE VALVE

NOTE: SEE DRAWING No. D-889 FOR STANDARD METER PIT DETAILS.



FLOOR PLAN OF PIT

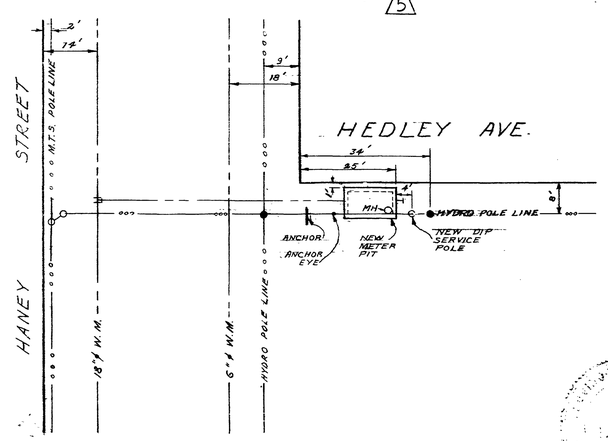
SCALE - 1/4" = 1'-0"



LOCATION PLAN OF PIT

SCALE - 1" = 60'

MORAY & PORTAGE PIT



ENLARGED VIEW OF HANEY & HEDLEY PIT

SCALE - 1" = 20'

REVISIONS			
NO.	DESCRIPTION	DATE	BY
1	LOCATION & DIMENSIONS OF FITTINGS CHANGED AT HANEY-ELDRIDGE AND ROBLIN	26 APRIL 61	S.K.
2	ITEM "J" ADDED AND NOTE #2 HANEY-ROBLIN PIT ADDED	26 APRIL 61	S.K.
3	12" ϕ CHECK VALVE ADDED TO MORAY - NESS PIT	5 MAY 61	S.K.
4	TABLE OF METER PIT FLOOR ROOF ELEVS & GROUND ϕ & INV PIPE ELEV	5 MAY 61	S.K.
5	HANEY & ROBLIN PIT REDESIGNED TO HANEY & HEDLEY	10 JUNE 61	
6	METER DIMENSIONS REVISED	11 JUNE 61	

THE METROPOLITAN CORPORATION OF GREATER WINNIPEG
WATERWORKS AND WASTE DISPOSAL DIVISION
WATERWORKS BRANCH

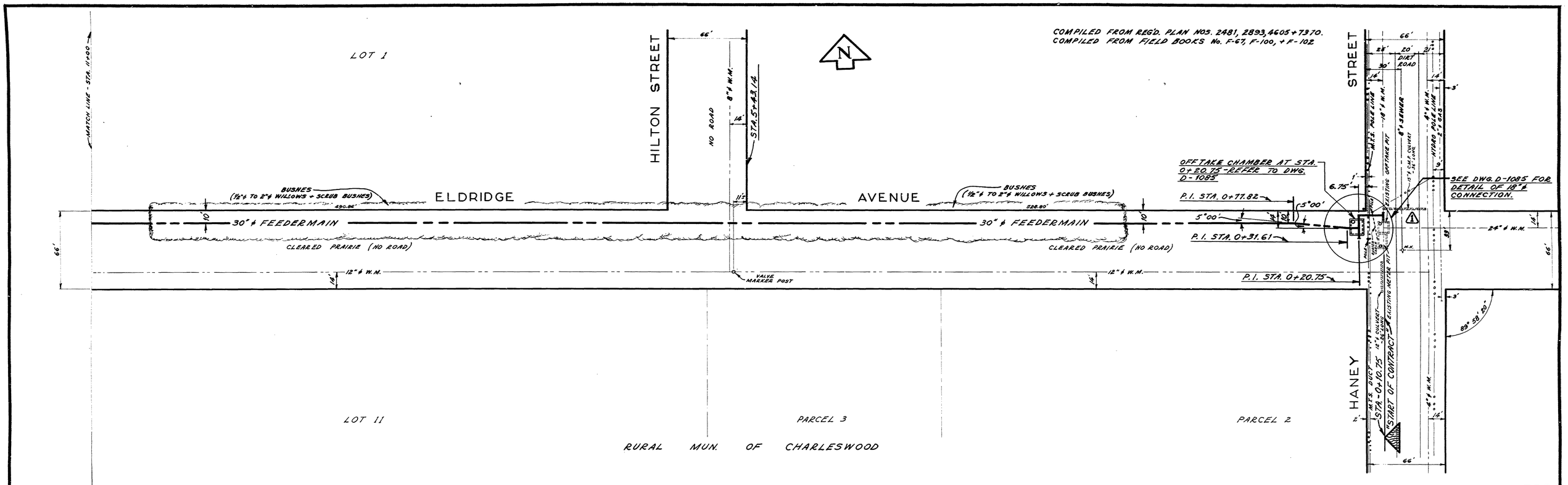
TITLE: HANEY - MORAY & ASSINIBOIA FEEDERMAINS

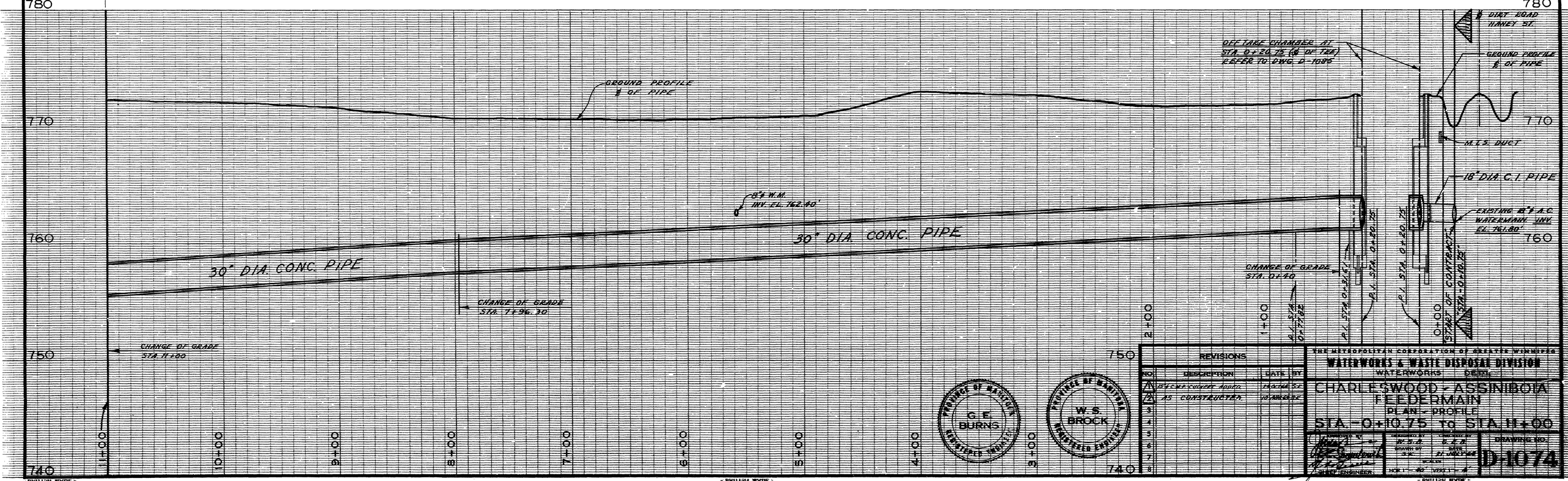
METER PITS PIPING AND LOCATION PLANS

APPROVED BY	DESIGNED BY	CHECKED BY	DRAWING NO.
CHIEF ENGINEER	M.A.D.	M.A.D.	D-890
	DRAWN BY S.K.	DATE 6 APRIL 61.	
	SCALES AS NOTED.		

D-1074

COMPILED FROM REG'D. PLAN NOS. 2481, 2893, 4605 + 7370.
COMPILED FROM FIELD BOOKS No. F-67, F-100, + F-102





REVISIONS			
NO.	DESCRIPTION	DATE	BY
1	BY CHARLESWOOD ADMIN.	19 OCT 62	
2	AS CONSTRUCTED	10 MAY 63	
3			
4			
5			
6			
7			
8			

PROVINCE OF MANITOBA — G. E. BURNS — REGISTERED ENGINEER

PROVINCE OF MANITOBA — W. S. BROCK — REGISTERED ENGINEER

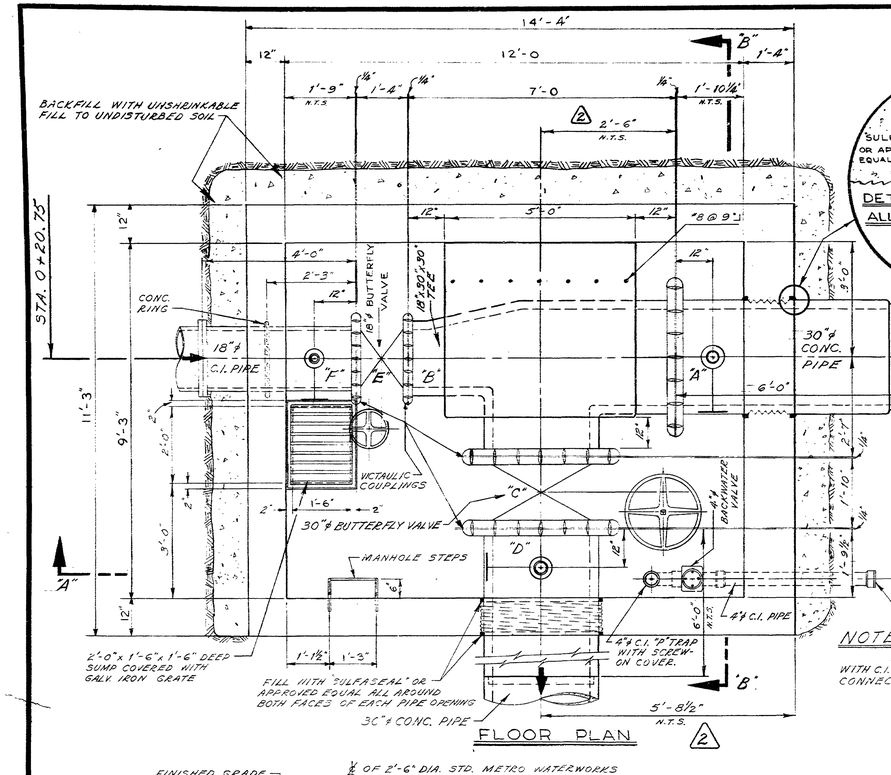
THE METROPOLITAN CORPORATION OF GREATER WINNIPEG
WATERWORKS & WASTE DISPOSAL DIVISION
WATERWORKS DEPT.

CHARLESWOOD - ASSINIBOIA
FEEDERMAIN
PLAN - PROFILE
STA. -0+10.75 to STA. 11+00

CHIEF ENGINEER	DESIGNED BY W.S.B. / DRAWN BY J.S.W. / CHECKED BY	DATE 8 OCT 62 / DATE 21 JANUARY 63	DRAWING NO. D-1074
	HOR. 1" = 40' VERT. 1" = 4'		

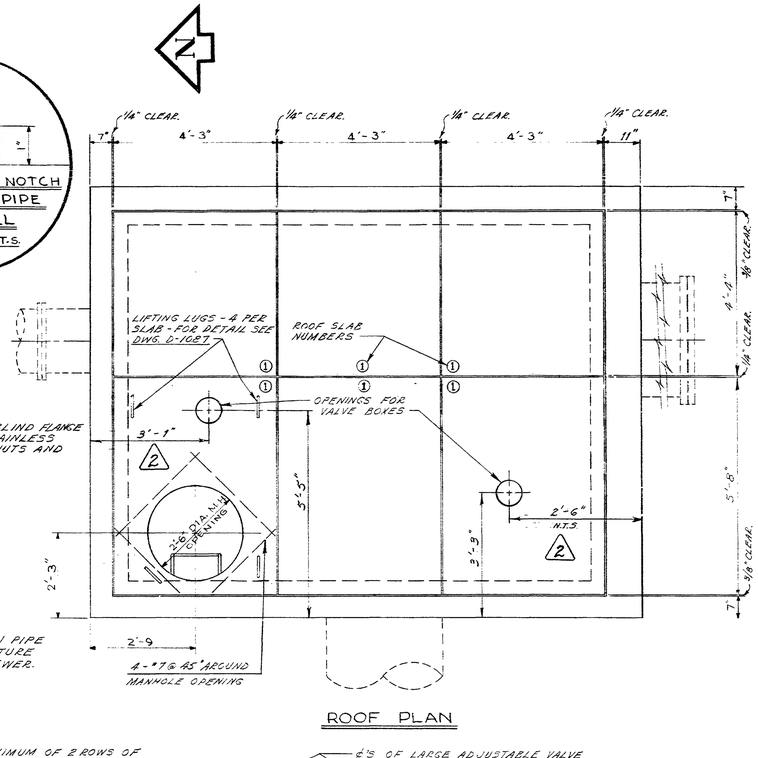
- BRITISH AVDE -

D-1085

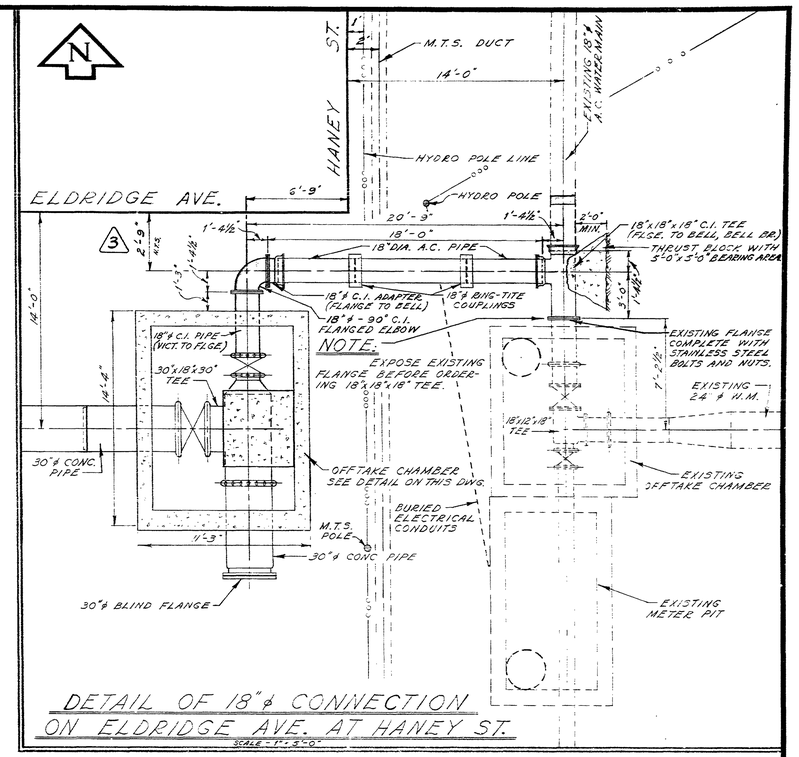


FLOOR PLAN

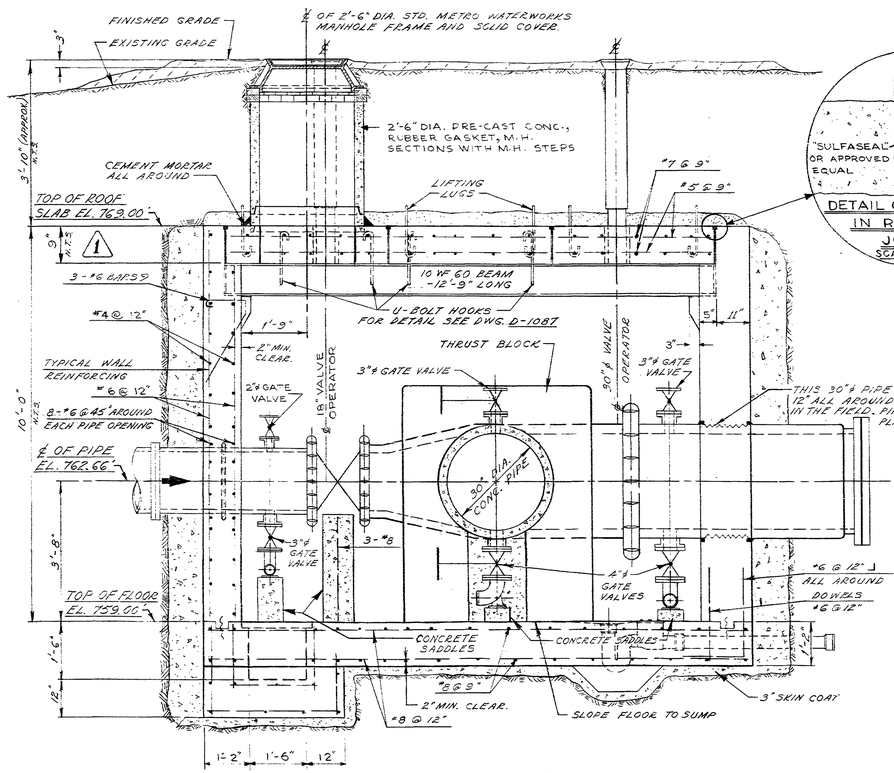
NOTE:
PLUG 4"ϕ DRAIN PIPE WITH C.I. PLUG FOR FUTURE CONNECTION INTO SEWER.



ROOF PLAN

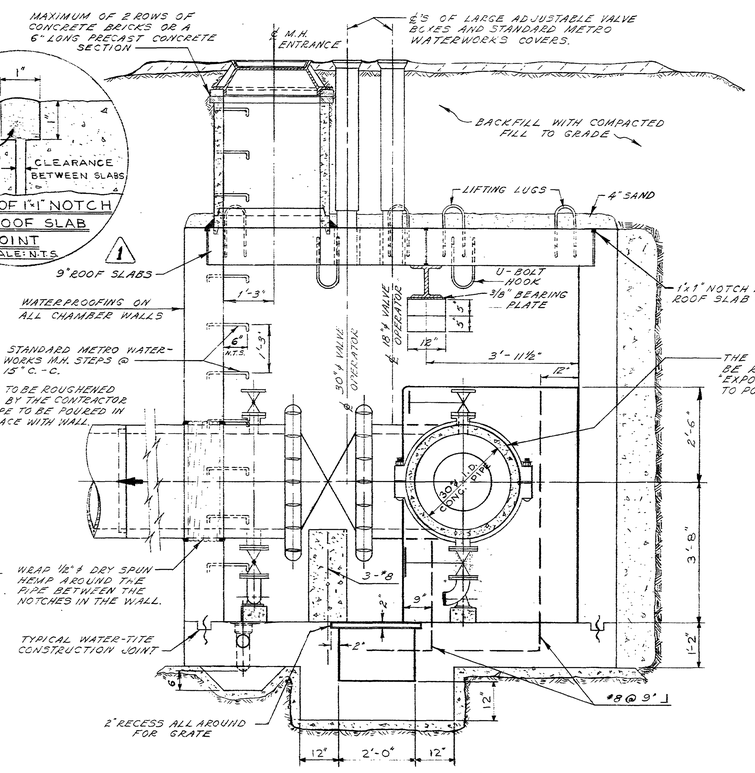


DETAIL OF 18"ϕ CONNECTION ON ELDRIDGE AVE. AT HANEY ST.
SCALE - 1" = 5'-0"



SEC. "A"–"A"
(LONG. SECTION)

OFFTAKE CHAMBER AT STA. 0+20.75
SCALE - 1/2" = 1'-0"



SEC. "B"–"B"
(CROSS-SECTION)

NOTES:

1. ALL PRECAST CHAMBER SLABS ARE TO BE NUMBERED ON THE UNDERSIDE IN THE ORDER BY WHICH THEY CAN BE REMOVED. CAST IN TYPICAL HOUSE NUMBERS.
2. PLACE BUILDING PAPER BETWEEN VALVES AND CONCRETE SADDLES AND BETWEEN ELBOWS AND CONCRETE SADDLES.
3. VICTAULIC COUPLINGS TO BE STYLE #44.
4. ALL EXTERIOR AND INTERIOR CORNERS, INCLUDING PRECAST CONCRETE SLABS TO BE CHAMFERED AS SPECIFIED IN THE SPECIFICATIONS.
5. FITTINGS REQUIRED FOR ITEMS "A" + "D" (30"ϕ CONC. SHORTS)
   ON TOP OF PIPE
   3"ϕ NIPPLE (SCREW TO SCREW-ON-FLANGE) - SUPPLIED WITH PIPE.
   3"ϕ C.I. GATE VALVE FLANGED WITH BRONZE TRIM.
   ON BOTTOM OF PIPE
   4"ϕ NIPPLE (SCREW TO SCREW-ON-FLANGE) - SUPPLIED WITH PIPE.
   4"ϕ C.I. GATE VALVE FLANGED WITH BRONZE TRIM.
   4"ϕ - 90° GALV. BASE ELBOW (FLANGE TO SCREW). JOIN ELBOW TO VALVE WITH SCREW END DIRECTED TOWARDS MANHOLE OPENING.
6. FITTINGS REQUIRED FOR ITEM "F" (18"ϕ C.I. SHORT)
   ON TOP OF PIPE
   2"ϕ NIPPLE (SCREW TO SCREW-ON-FLANGE).
   2"ϕ GATE VALVE FLANGED.
   ON BOTTOM OF PIPE
   3"ϕ NIPPLE (SCREW TO SCREW-ON-FLANGE).
   3"ϕ C.I. GATE VALVE FLANGED WITH BRONZE TRIM.
   3"ϕ - 90° GALV. BASE ELBOW (FLANGE TO SCREW). JOIN ELBOW TO VALVE WITH SCREW END DIRECTED TOWARDS MANHOLE OPENING.
7. ALL FITTINGS TO BE MADE OF BRONZE UNLESS SPECIFIED OTHERWISE.

LIST OF MATERIALS FOR OFFTAKE CHAMBER

ITEM	DESCRIPTION	LENGTH
"A"	30"ϕ CONC. SHORT (VICTAULIC TO FLANGE).	6'-0"
"B"	30"x 18"x 30" CONC. TEE (VICT. TO VICT. TO VICT. BRANCH).	7'-0"
"C"	30"ϕ VICTAULIC BUTTERFLY VALVE.	1'-10"
"D"	30"ϕ CONC. SHORT (VICTAULIC TO BELL).	6'-0"
"E"	18"ϕ VICTAULIC BUTTERFLY VALVE.	1'-4"
●▲ "F"	18"ϕ C.I. SHORT (VICTAULIC TO FLANGE).	4'-0"
"G"	30"ϕ BLIND FLANGE COMPLETE WITH A GASKET, STAINLESS STEEL NUTS AND BOLTS.	

NOTE:

● - METRO CORPORATION WILL SUPPLY ALL ITEMS, EXCEPT ITEM "F" (16"ϕ C.I. SHORT). ITEM "F" AND ALL FITTINGS TO BE SUPPLIED BY THE CONTRACTOR.

▲ - ITEM "F" TO HAVE A CONCRETE RING 2'-3" FROM THE VICTAULIC END. ALSO ITEM "F" TO HAVE A 2"ϕ TAPPED HOLE ON TOP AND A 3"ϕ TAPPED HOLE ON THE BOTTOM.

PROVINCE OF MANITOBA — G. E. BURNS — REGISTERED ENGINEER

PROVINCE OF MANITOBA — W. S. BROCK — REGISTERED ENGINEER

REVISIONS

NO.	DESCRIPTION	DATE	BY
1	ROOF SLABS' THICKNESS CHANGED FROM 12" TO 9"	26 OCT. 64	S.K.
2	30"x18"x30" TEE AND VALVE BOX OPENINGS IN ROOF SLABS DIMENSIONS ADDED	2 DEC. 64	S.K.
3	OFF SET DIMENSION OF 18"ϕ CONNECTION FROM ELDRIDGE AVE ADDED	2 DEC. 64	S.K.
4	AS CONSTRUCTED	6 AUG 65	IB
5			
6			
7			
8			

THE METROPOLITAN CORPORATION OF GREATER WINNIPEG
WATERWORKS & WASTE DISPOSAL DIVISION
WATERWORKS DEPT.

CHARLESWOOD - ASSINIBOIA FEEDERMAIN

OFFTAKE CHAMBER ON ELDRIDGE AVE. AT HANEY ST.

APPROVED BY: CHIEF ENGINEER
DESIGNED BY: W. S. B.
DRAWN BY: A.C. + S.K.
CHECKED BY: G. E. B.
DATE: 21 JULY 64
SCALES: AS NOTED
DRAWING NO. D-1085

D-1128

COMPILED FROM REG'D PLAN NOS. 2481, 4634 + 4605
COMPILED FROM FIELD BOOK NOS. F-101, F-203, F-205 + F-207

RURAL MUN. OF CHARLESWOOD

LOT 1.

HANEY STREET

ELDRIDGE AVE.

THRUST BLOCK No. 2 - STA. 0+61.50 FOR DETAIL SEE DWG. D-1137

THRUST BLOCK No. 1 STA. 0+28.00. FOR DETAIL SEE DWG. D-1137

STA. 0+08.50 "LIMIT OF CONTRACT"

NOTE: 12"ϕ VALVE 540'± WEST OF WEST ℄ OF HANEY ST.

3"ϕ GAS — HYDRO POLE LINE — 4"ϕ W.M. — 8"ϕ SEWER — 18"ϕ W.M. — 30"ϕ FEEDERMAIN — M.T.S. POLE LINE — M.T.S. DUCT — 30°00' — 5.01' — 90°01'40" — 66' — 33' — 12" TRANSITE W.M. — 0"ϕ SEWER — 30"ϕ W.M. — P.I. STA. 0+28.00 — P.I. STA. 0+61.50 — 12"ϕ CMP CULVERT - 18' LONG — 15"ϕ CMP CULVERT - 30' LONG — 12"ϕ CMP CULVERT - 32' LONG — 15"ϕ CMP CULVERT - 16' LONG — WOODEN BOX CULVERT - 16' LONG — 10" OAK TREE — GRAVEL — GRAVEL ROAD — CRUSHED STONE — MUD — VALVE — M.H. — 1123.51'

PARCEL 2 — PARCEL 1 — LOT 18

LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON BEST INFORMATION AVAILABLE, BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN AND EXACT LOCATION OF ALL LINE UNDERGROUND INCLUDING SERVICE CONNECTIONS MUST BE CHECKED WITH UTILITIES CONCERNED BEFORE PROCEEDING WITH CONSTRUCTION.

780 — 770 — 760 — 750 — 740

OF DRIVEWAY — GROUND PROFILE ℄ OF ROAD ON HANEY ST. — GROUND PROFILE ℄ OF DITCH — GROUND PROFILE ℄ OF PIPE

EXISTING OFFTAKE CHAMBER — M.T.S. DUCT — 12"ϕ W.M. - TOP OF PIPE EL. 760.50' FOR DETAIL OF LOWERING SEE DWG. D-1137. — 30" DIA. CONC. PIPE — EXISTING 30"ϕ CONC. PIPE INV. EL. 761.41' — CHANGE OF GRADE STA. 4+00 — "LIMIT OF CONTRACT" STA. 0+08.50 — P.I. STA. 0+28.00 — P.I. STA. 0+61.50

0+00 — 1+00 — 2+00 — 3+00 — 4+00 — 5+00 — 6+00 — 7+00 — 8+00 — 9+00 — 10+00 — 11+00 — 11+80

No.	DESCRIPTION	DATE	BY
A	CROSSING MODED - No. 26 AS CONSTRUCTED	MAY 3/71 8 DEC 66	J.D. S.K.
A	SIZES + LENGTHS OF CULVERTS CHANGED. NEW CULVERTS + RELOCATED ADDED	28/11/66	S.K.
A	8.0" PIPE GROUND PROFILE CHANGED. CULVERTS + RENEWALS ADDED IN PROFILE.	28/1/66	S.K.

REVISIONS

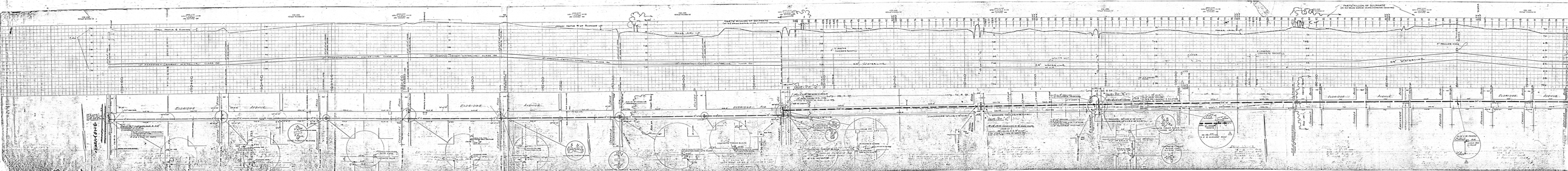
THE METROPOLITAN CORPORATION OF GREATER WINNIPEG
WATERWORKS & WASTE DISPOSAL DIVISION
A. PENMAN — DIRECTOR

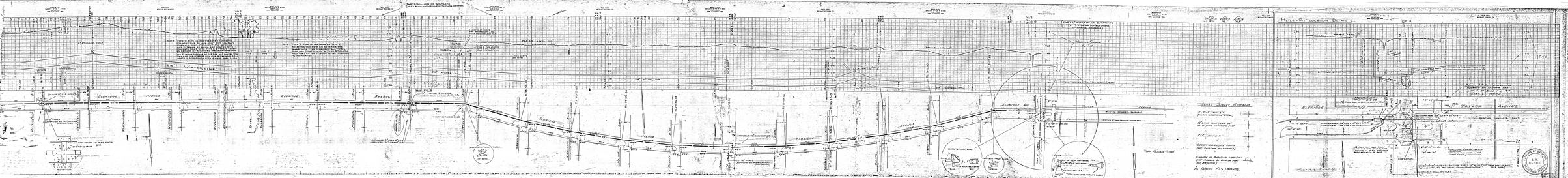
WATERWORKS DEPT.
WILKES AVE. FEEDERMAIN "T"
PLAN - PROFILE
STA. 0+08.50 TO STA. 11+80

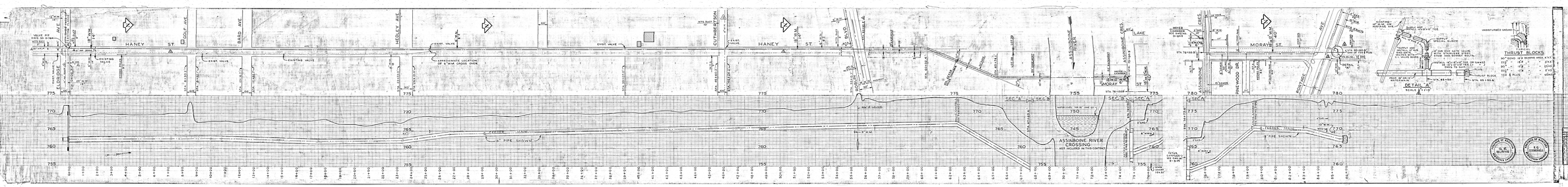
DES. — CH'K'D. — DRN. S.K. — DATE 17 JAN. 66. — ENG. DES. — ENG. OPER. — APPROVED A. Penman

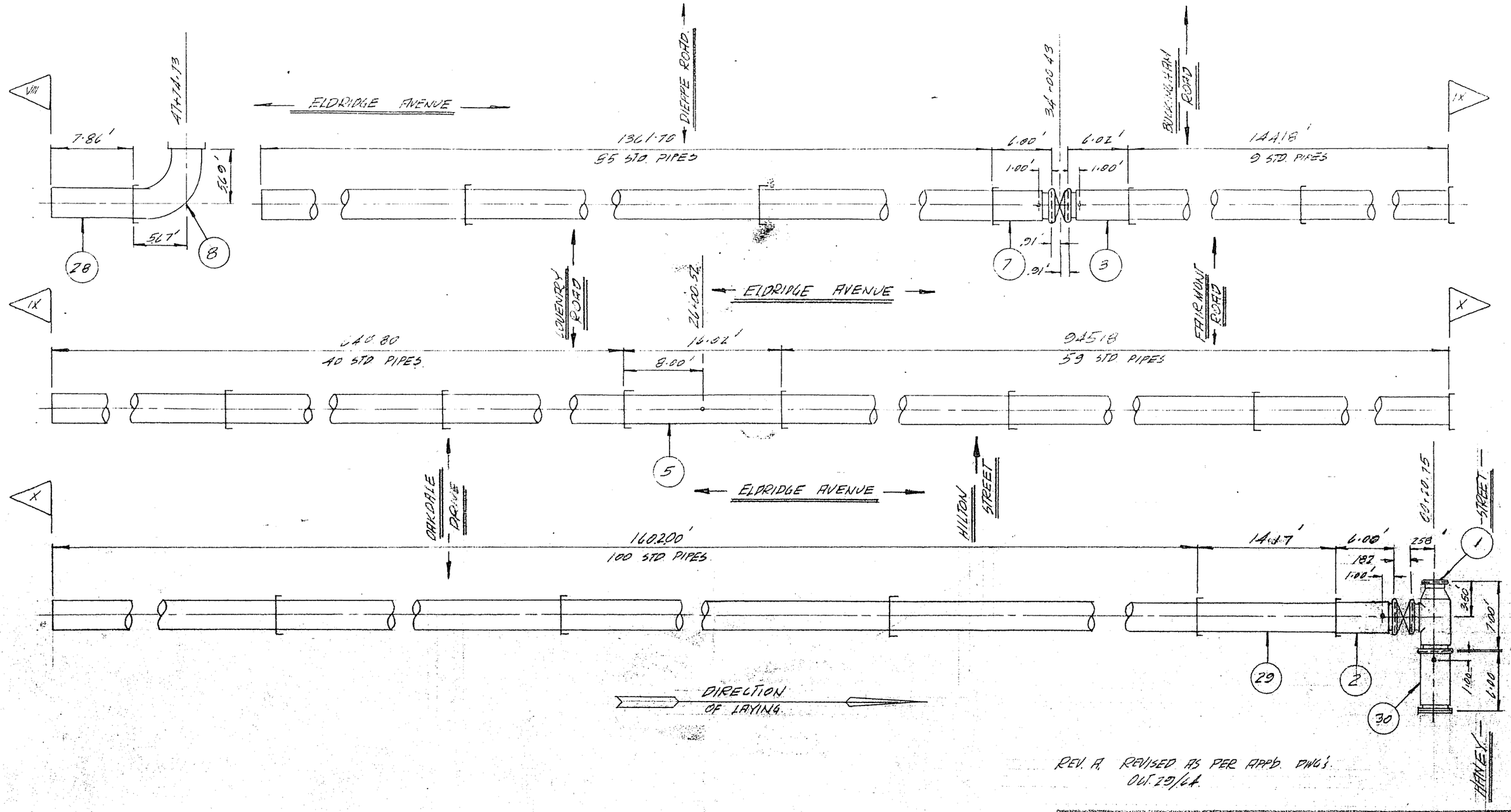
SCALES: HORIZ. 1" = 40' VERT. 1" = 4'

DRAWING NO. D-1128


FLORIDA AVENUE
FLORIDA AVENUE
FLORIDA AVENUE
FLORIDA AVENUE
FLORIDA AVENUE
FLORIDA AVENUE
SHORELINE
SHORELINE
SHORELIN


ELDRIDGE AVENUE
WATERLINE
INSTALLATION OF SUPPORTS
(AT 10'-0" FROM SURFACE OF PAVEMENT)
MATER-DIA-LOCATION-DRAIN
TAYLOR AVENUE
TEST SURVEY SUMMARY
TEST SURVEY FOR
GATING HT'S CROSSING
PROFILE OF WATERMAIN
ELDRIDGE AVENUE
TOWNSHIP OF WOODBRIDGE
TOWNSHIP OF CLARK
TOWNSHIP OF ROSELLE PARK
BOROUGH OF ROSELLE
BOROUGH OF KENILWORTH
BOROUGH OF MOUNTAINSIDE
BOROUGH OF FANWOOD
BOROUGH OF WESTFIELD
TOWNSHIP OF SCOTCH PLAINS
TOWNSHIP OF FANWOOD
TOWNSHIP OF WESTFIELD
TOWNSHIP OF MOUNTAINSIDE
TOWNSHIP OF KENILWORTH
TOWNSHIP OF ROSELLE PARK
TOWNSHIP OF CLARK
TOWNSHIP OF WOODBRIDGE
RECORD LOCATION OF WATERMAIN
ELDRIDGE AVENUE
TEMPLETON ENGINEERING COMPANY
CONSULTING ENGINEERS
ROSELLE, NEW JERSEY
DESIGNED BY
DRAWN BY
CHECKED BY
DATE
SCALE
DESCRIPTION
REVISIONS
PROJECT CODE
FILE NUMBER
DRAWING NUMBER
1-50


HANEY ST.
MOREY ST.
ASSINIBOINE RIVER
ASSINIBOINE RIVER CROSSING
NOT INCLUDED IN THIS CONTRACT
DETAIL "A"
THRUST BLOCKS
LEGEND
PROP. WATER MAIN
EXIST. WATER MAIN
EXIST. M.T.S. LINE
EXIST. GAS MAIN
EXIST. POWER LINE
GREATER WINNIPEG WATER DISTRICT
PROP. HANEY - MORAY FEEDER MAIN
CHARLESWOOD - ST. JAMES
P-15
FILE RG 1449



REV. A. REVISED AS PER APPD. DWG'S. OCT. 29/64.

30.	30" DIA. SHORT W/ VICT-44 TO FLG / BL. FLG. ENDS / 3" & 4" ø I.P.T. OUTLETS	T-54022-29
1.	30" x 18" x 30" DIA. REDUCING TEE W/ VICT-44 ENDS	T-54022-7.
5.	30" DIA. STD. PIPE W/ 3" ø I.P.T. OUTLET.	T-54022-10
3.	30" DIA. SHORT W/ VICT-44 TO BELL ENDS / 3" & 4" DIA. I.P.T. OUTLETS.	T-54022-8.
2 & 7.	30" DIA. SHORT W/ SPIGOT TO VICT-44 ENDS / 3" & 4" DIA. I.P.T. OUTLETS.	T-54022-11
8.	30" DIA. STD. 90°-00' ELBOW	T-54022-12
28, 29	30" DIA. SHORT PIPES	—
MK. Nº	DESCRIPTION	DWG. Nº

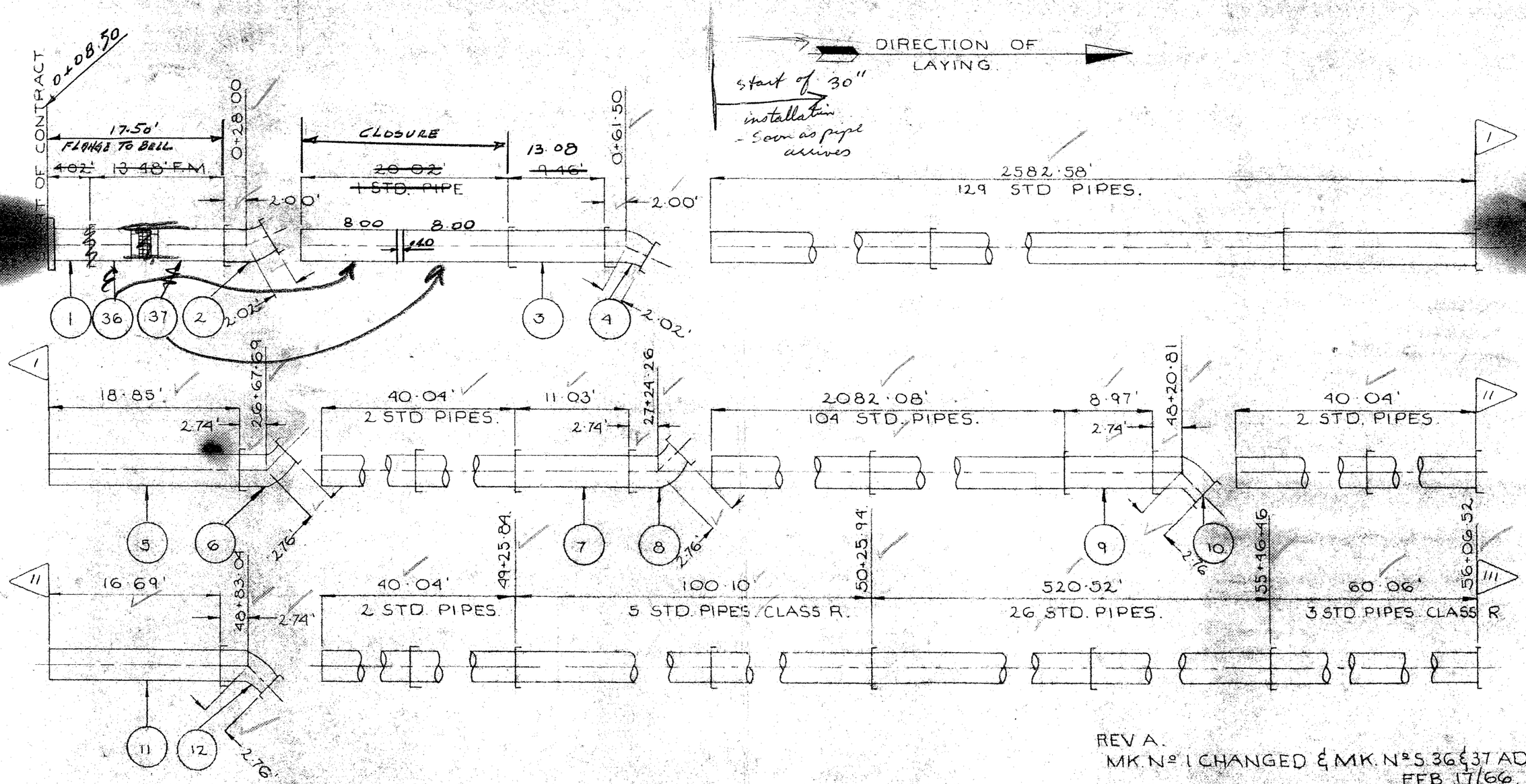
Canada Iron PIPE DIVISION

30" DIA. FEEDERMAIN

PART ONE F-2165

METRO WINNIPEG

SCALE 1" = 10'-0"	DRN. BY #	DWG. NO.	REV.
DATE: OCT-29/64	CHKD. BY IN	T-54022-3	A
J.O. T-54022	APP'D. BY		



REV A.
MK. Nº 1 CHANGED & MK. Nº S. 36 & 37 ADDED
FEB 17/66.

F-2340

MK. Nº	DESCRIPTION	DWG. Nº
36, 37.	30" CLOSURE ~~FLG~~ SPIG TO DRESS-38 & DRESS-38 to BELL	65-9016-15
1	30" DIA SHORT PIPE w/ FLG TO BELL	65-9016-16
6, 8, 10, 12.	30" DIA. STD. 45°-00 ELBOW.	——
2, 4.	30" DIA. STD. 30°-00' ELBOW	——
3, 5, 7, 9, 11.	30" DIA. SHORT PIPE.	——

"As Amended In Red"

APPROVED FOR CONSTRUCTION
Date FEB. 23. 1966.
Approval of this drawing covers only the general design and arrangement of material or equipment and does not in any way relieve the Contractor of any liability or responsibility for the satisfactory operation of this installation.

Canada Iron PIPE DIVISION

30" DIA. WILKES AVE FEEDERMAIN.

METRO WINNIPEG. W-1

SCALE: 1" = 10'-0	DWN. BY R.C.	DWG. NO.	REV.
DATE: FEB. 3/66	CHK'D. BY	65-9016-1	A
J.O. 65-9016	APP'D. BY		