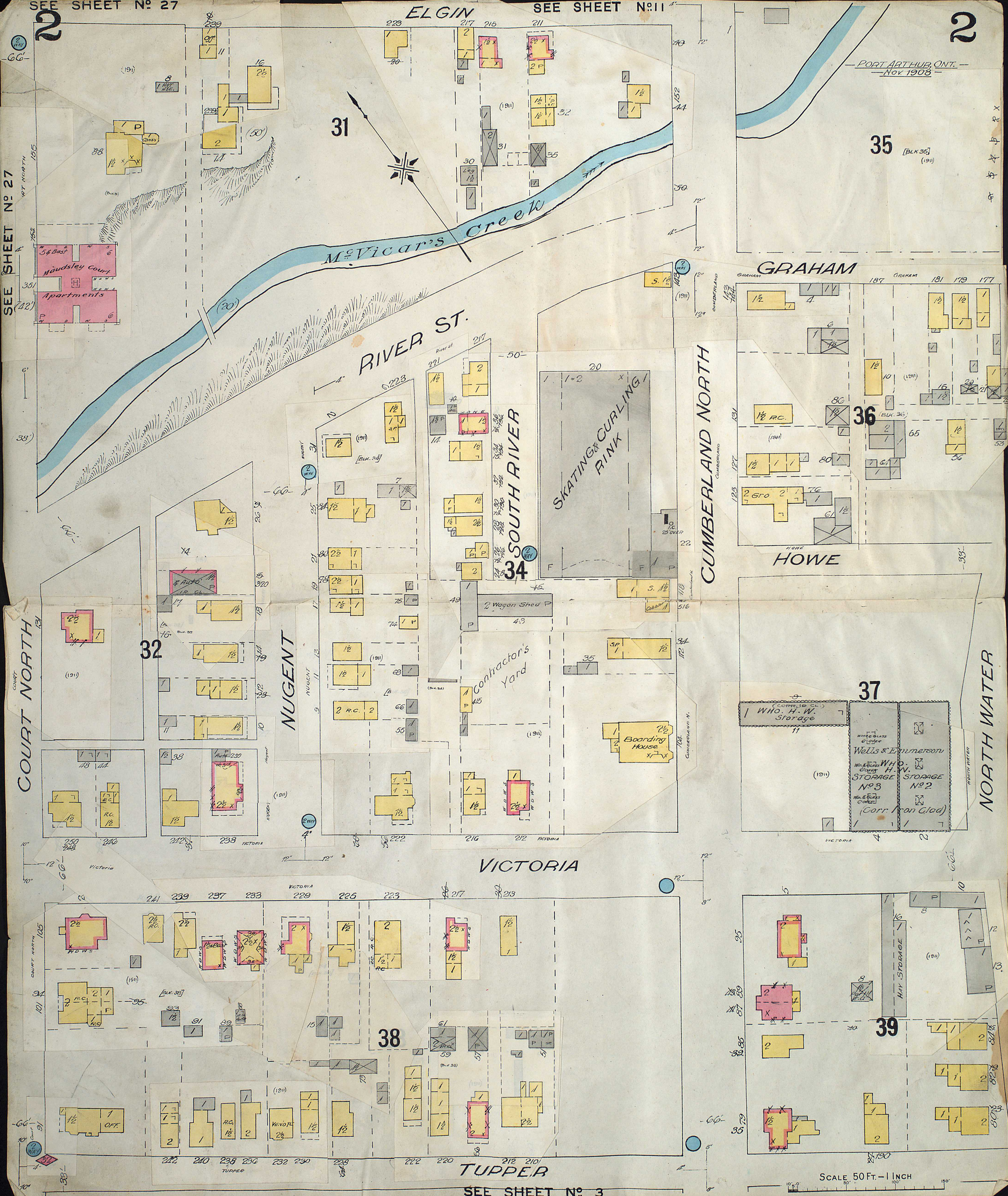


SEE SHEET NO 27

PORT ARTHUR, ONT. - Nov. 1908



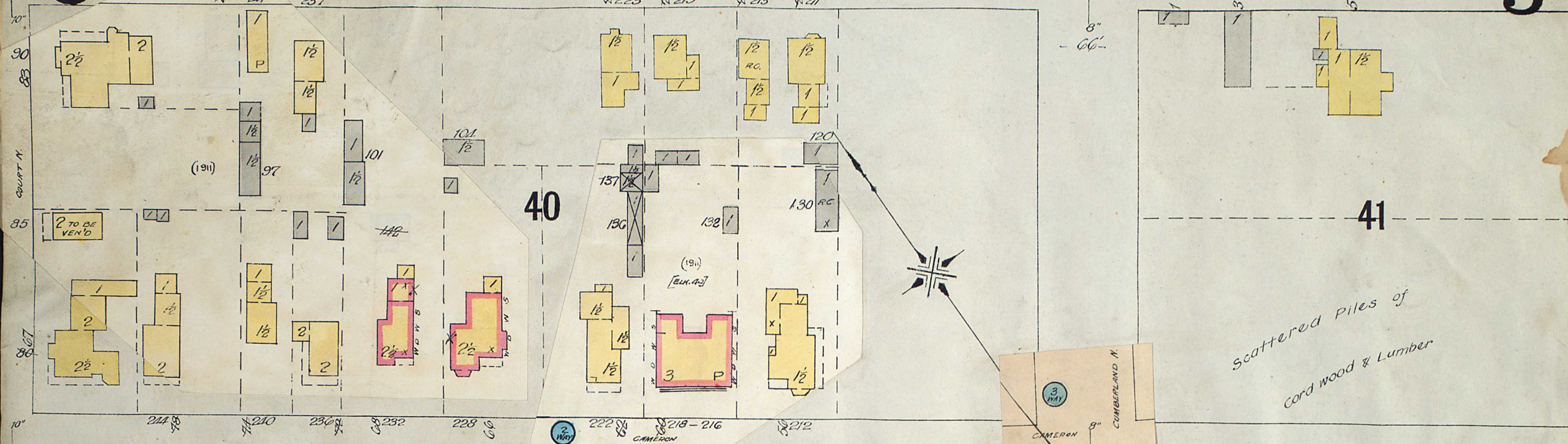
VICTORIA

TUPPER

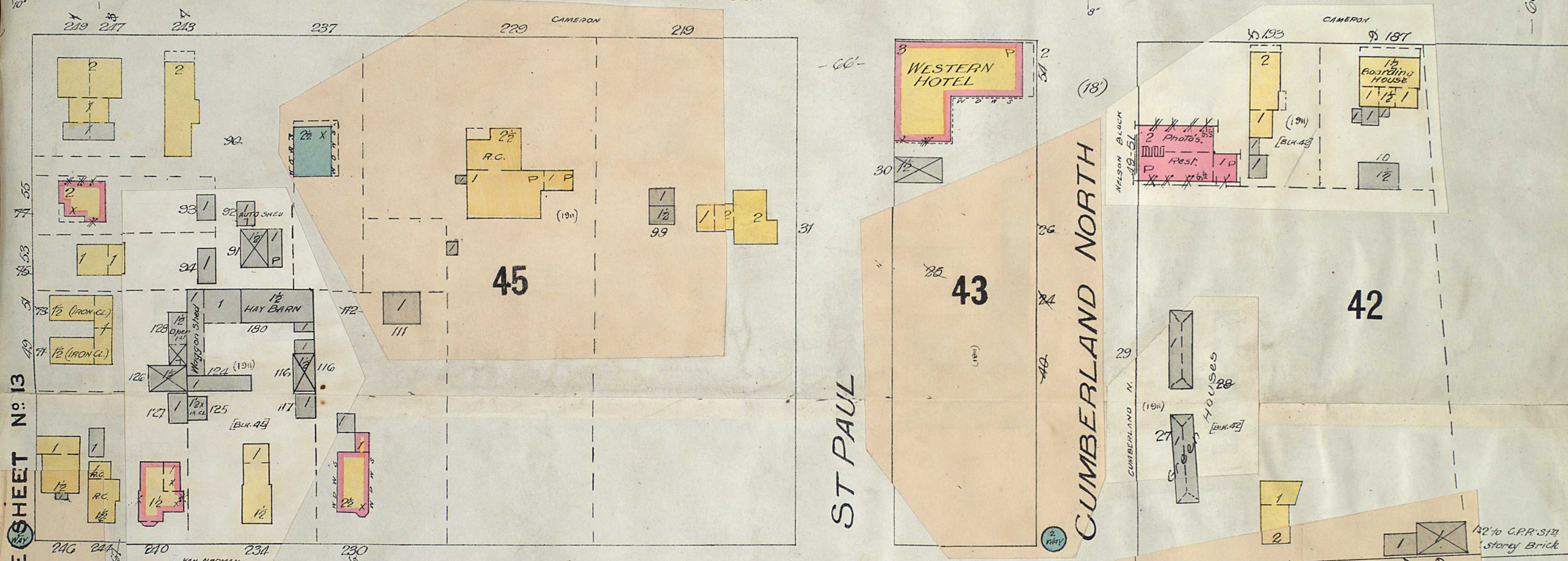
TUPPER

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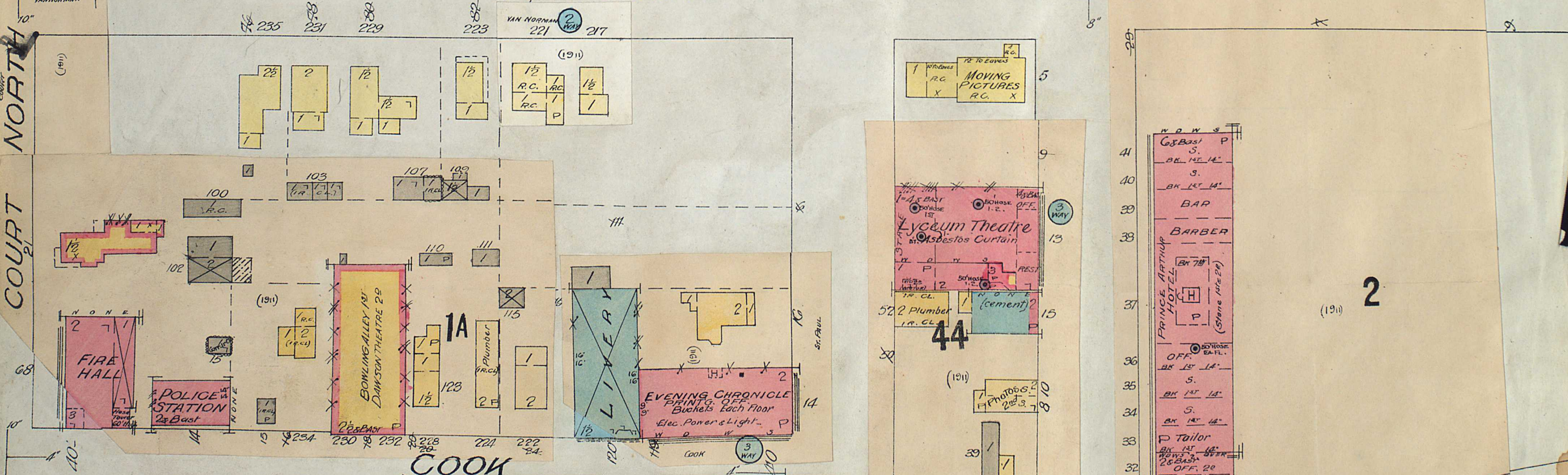
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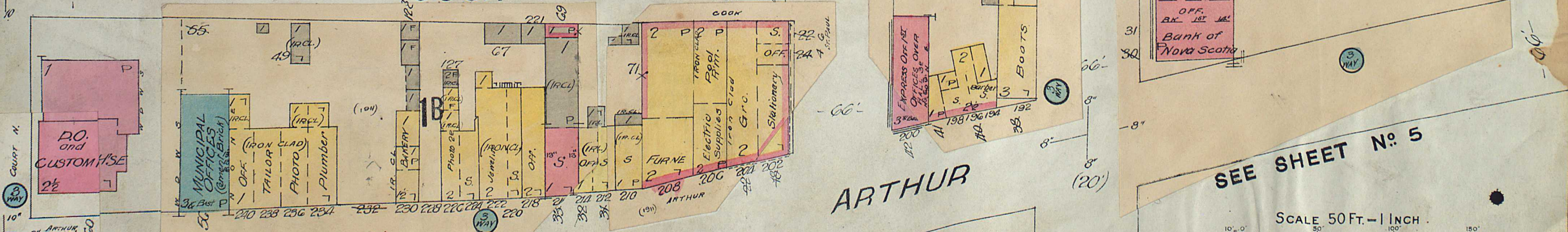
CAMERON



VAN NORMAN



COOK



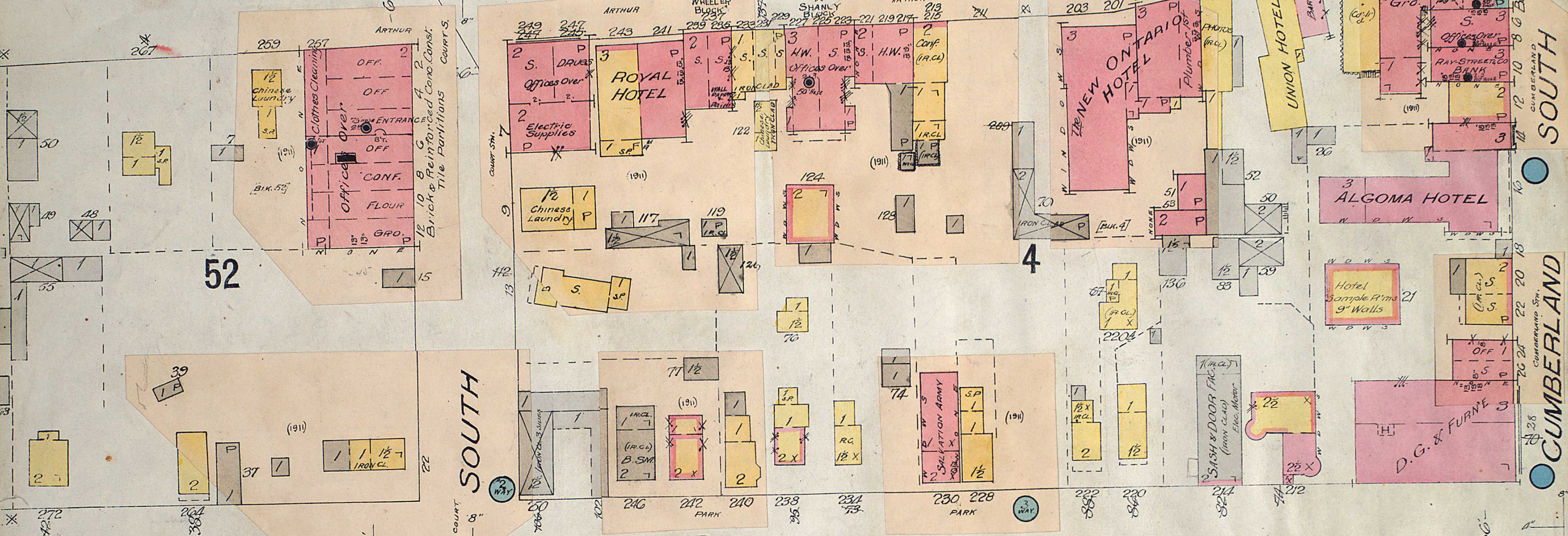
ARTHUR

ST PAUL

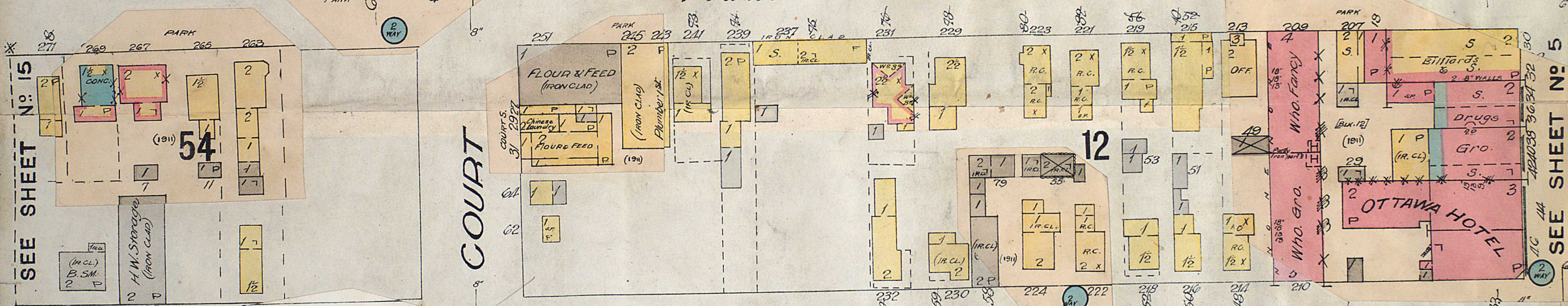
SEE SHEET No 3

SEE SHEET No 13

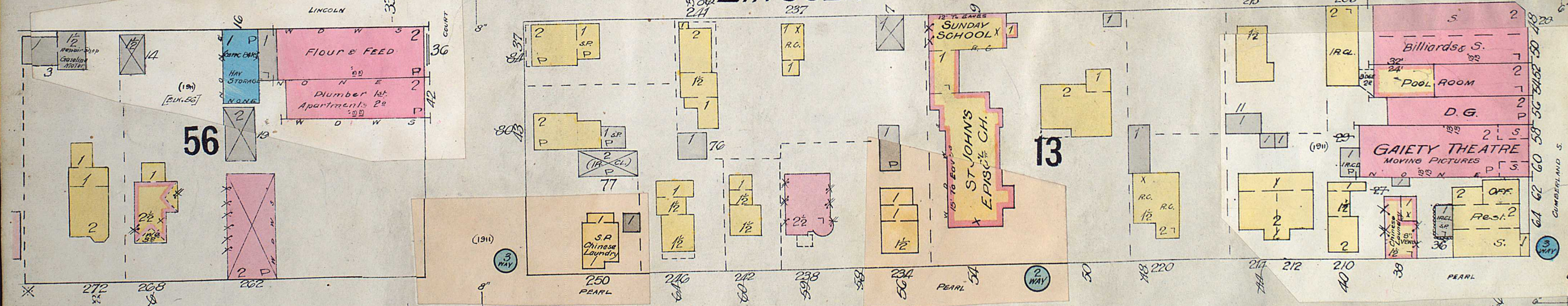
ARTHUR



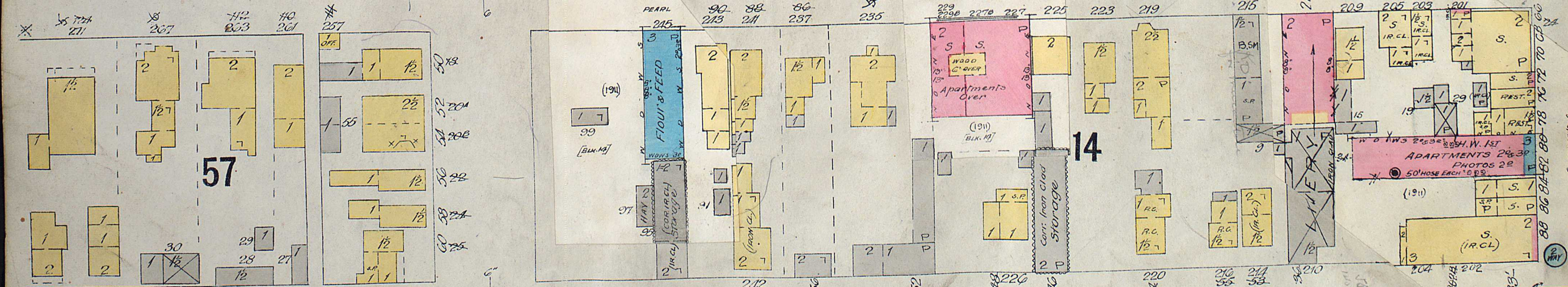
PARK



LINCOLN



PEARL



AMBROSE

SEE SHEET No 6

SCALE 50 FT. = 1 INCH

SOUTH
CUMBERLAND
SEE SHEET No 5

SEE SHEET No. 3

ARTHUR

5

LORNE

PARK

LINCOLN

PEARL

AMBROSE

CUMBERLAND SOUTH

SOUTH WATER

(LATE WELLINGTON)

Canadian Northern Ry

Canadian Pacific Ry

(LATE NORTH RAILWAY)

WOODEN PLATFORM

25 C.N.R. STATION

CONTINUED TO 200' SCALE

SEE SHEET No. 5 TO 50' SCALE

SEE SHEET No. 7 TO 50' SCALE

16

SEE SHEET No. 7

CONTINUED BELOW TO 200' SCALE

GOVERNMENT WHARF

C.N.R. Freight Shed

C.N.R. Freight Shed (corr. Iron clad)

WHARF No. 1

Gov't Wharf 3

C.N.R. Freight Shed (corr. Iron clad)

WHARF No. 1

Smith & Mitchell's Wharf

WHARF No. 2

Clavets Wharf

WHARF No. 3

Lake Superior Co's Wharf

WHARF No. 4

Thunder Bay Forwarding Co's Wharf

WHARF No. 5

PLAN OF WHARVES

Scale: 200' = 1 Inch.

GRAIN ELEVATORS
Canadian Northern Ry
See Again to 50' Scale
SEE SHEET No. 8

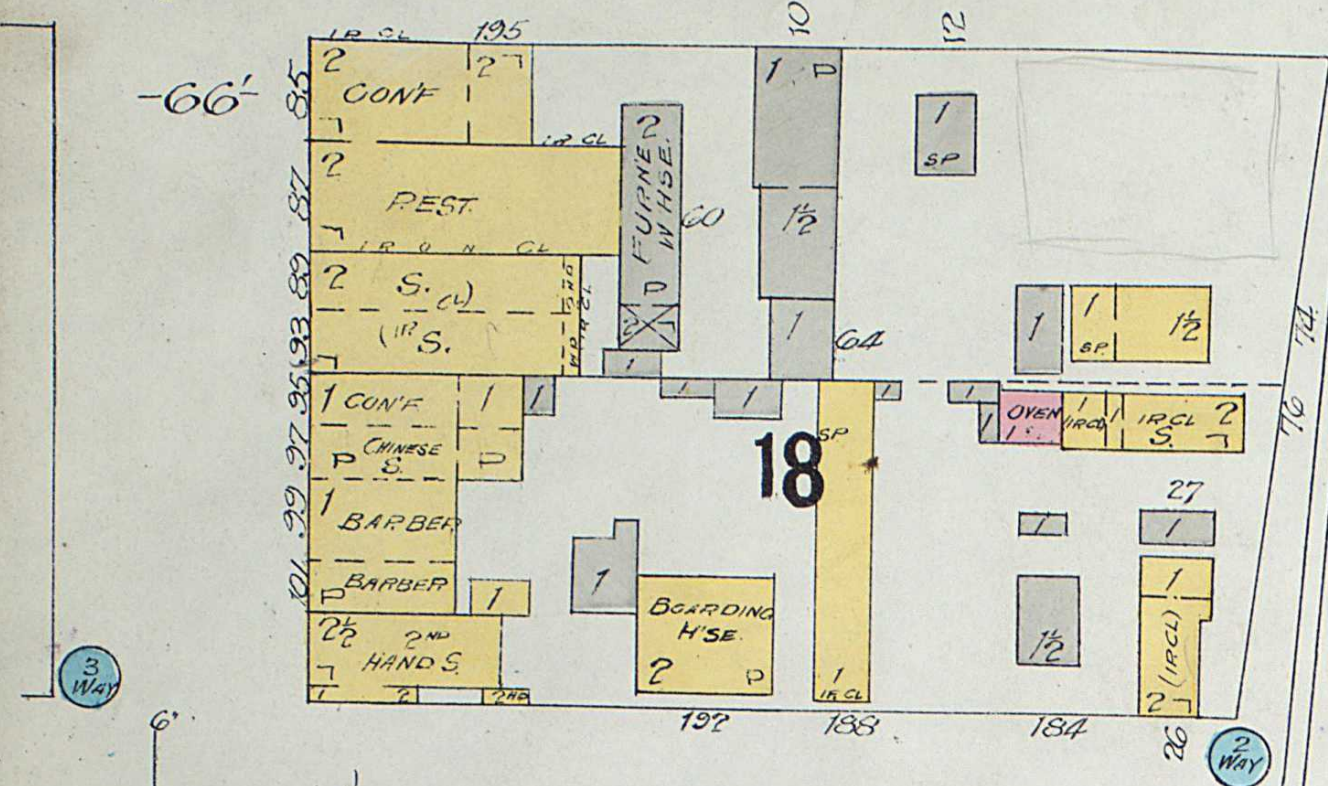
GRAIN TANKS
Tile & Steel Const.

SCALE 50 FT. = 1 INCH

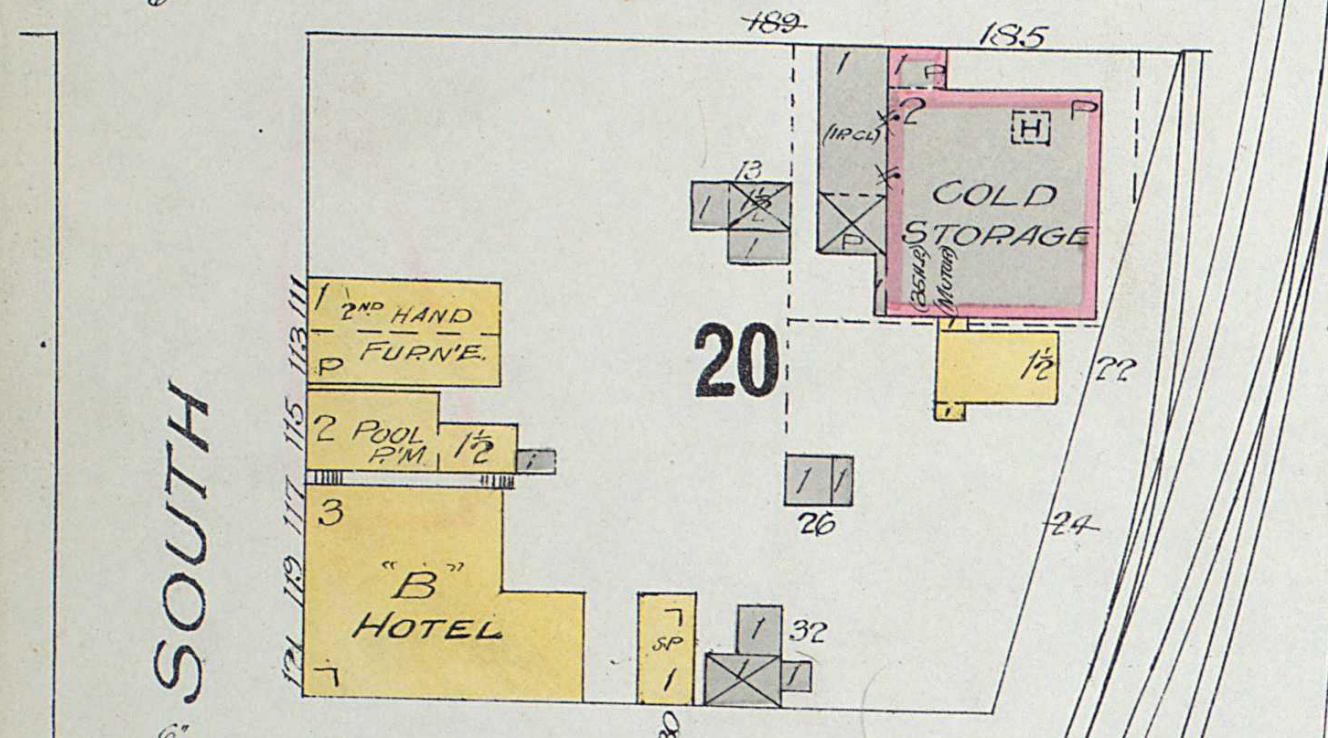
LAKE SUPERIOR CO'S WHARF

C.N.R. siding

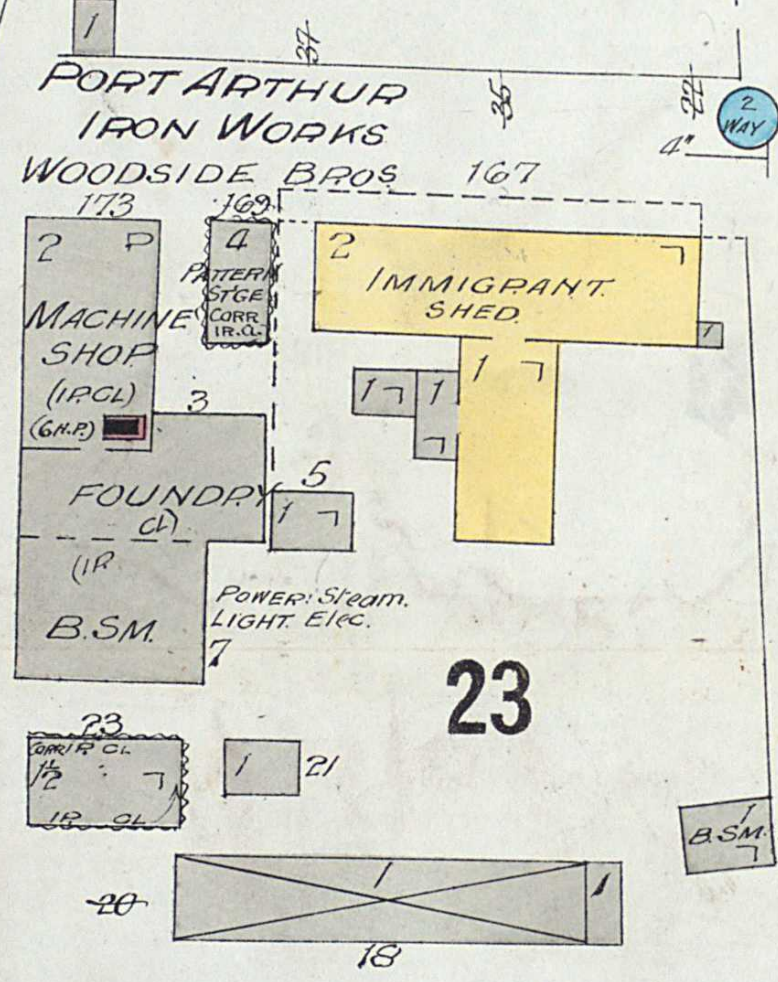
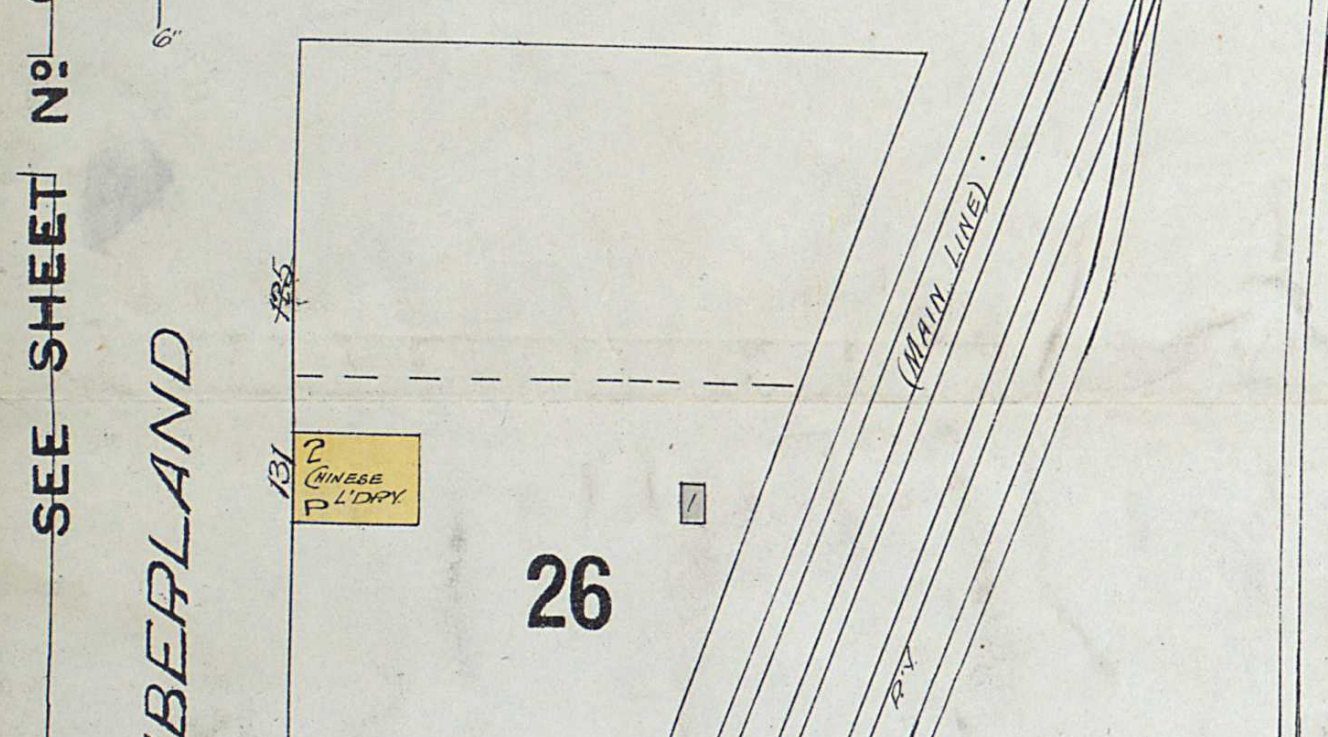
AMBROSE.



WILSON



MANITOU



SOUTH WATER

SOUTH CUMBERLAND

SEE SHEET NO 6

25

SCALE 50 FT. = 1 INCH

THUNDER BAY

SEE SHEET NO 5 TO 200' SCALE

CONTINUED BELOW

DOCK ORE
STEEL TRUSS MOVABLE BRIDGE.

ORE

450

Coal Dock, Sand filled

450

Coal Dock, Sand filled

LAKE SUPERIOR

LAKE SUPERIOR

CONTINUED FROM ABOVE

SCALE OF THIS PART, 100 FT. = 1 IN.

NOTE: COMPILED FROM PLAN SUPPLIED BY PORT ARTHUR INSURANCE & VESSEL AGENCY LTD.

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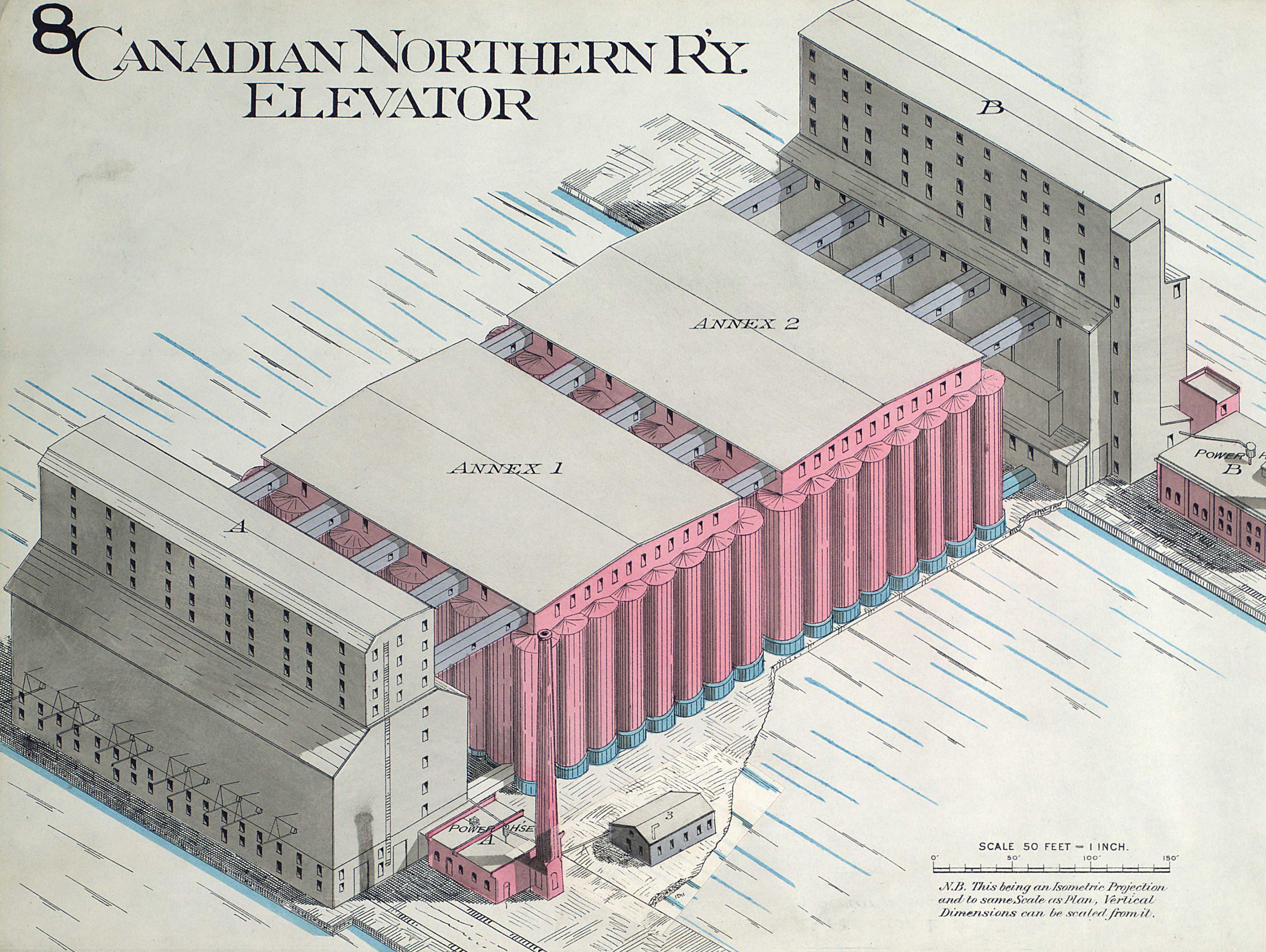
66'

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66'

8 CANADIAN NORTHERN RY. ELEVATOR



OWNERS: Canadian Northern Ry.
CAPACITY: "A" 1,250,000. "B" 1,000,000.
Annex 1 2,500,000. Annex 2 2,500,000 Bushels.

EMPLOYES: 25 to 80 men, according to season.
POWER: Steam.
HEAT: Steam in Office only.

LIGHT: Electric Incandescent. Generators in Engine Rooms A, B.
FUEL: Soft Coal.

OILS: Kept in iron tanks in basements of Engine Rooms.

— CONSTRUCTION —
AGE: "A" built in 1901, Annex 1 in 1902.
"B" & Annex 2 in 1903.

ELEVATOR "A": 119 Cribbed Bins of 7' x 2' and 6' x 2' planks laid flat, supported by 12' x 12' posts on stone piers on concrete bed supported by piling. Bottoms of bins are made of steel strips covered with 5" of concrete, tops of bins covered with 1" boards. Texas is built of skeleton wooden frame, iron clad; the centre part is open from bins to roof with steel galleries on each side. The whole building is clad with Corrugated Galvanized Iron.

ELEVATOR "B": 80 Cribbed Bins of 8' x 2' and 6' x 2' planks laid flat, supported by 12' x 14' posts on concrete piers built on concrete bed supported by close piling. Bottoms of bins are iron & tops covered with boards. The whole building is covered with Corrugated Galv. Iron.

ANNEXES 1 & 2: 80 Tanks each built of heavy double tiles on concrete foundations, built on 2 beds of concrete supported by close piling. Tops of tanks mostly open. Pockets between tanks used for storage. Texas are built of steel & tiles. No woodwork in these buildings. Wind dows are of hardwood, iron clad.

POWERHOUSE "A": Built of 16" brick, iron ceiling, concrete floors in Boiler Room, wooden floor in Engine Room. Two rooms separated by fire wall with opening. Shaft hole only in wall facing Elevator.

POWERHOUSE "B": Built of 16" brick, concrete floors, steel frame & tile roof. Wall to roof with opening between two rooms.

DRYER HOUSE: is a separate brick building with tile & concrete floors, adjoining Power House B. The Dryer is of iron.

CONVEYERS: There are 5 conveyers, steel frames, iron clad with concrete floors connecting Elevators & Annexes. The approaches to these in "A" are iron clad & there are double iron clad doors at each end with open spaces underneath for belts to pass through. Roller frames are of iron. There are also 5 all concrete conveyers connecting basements of above buildings.

ROOFS: Sloping roofs of "A" are iron. Flat top of Texas of "A" Power House "A" & Dryer bldg. are tar & gravel. "B" is roofed with Asbestos & Annexes & Power Hse. "B" with tile covered with Tar & Gravel.

CLEANING MACHINERY: 5 Cleaners on ground floor of "A". 7 Cleaners & 3 Scourers on 1st floor & 1 Separator on 1st floor of Texas of "B".

DUST COLLECTORS: At foot of each leg. Dust blown to Boilers.

STAIRS: In "A", in iron lined shaft with iron doors. SEE PLAN.

— PROTECTION —
PUMPS: Two Underwriters Pumps, 18" x 10" x 12", Capacity: 1000 galls. per min. each, one in each of Power Houses A & B.

STANDPIPES: In "A" there are four 6" Standpipes with 4 connections on ground floor & 2nd, 3rd & 4th floors of Texas. In "B" there are six 6" Standpipes with 6 connections on ground floor and 1st of Texas & 3 on each upper floor of Texas.

HOSE: 500' attached to each of two Pumps & 50' attached to each Standpipe — connection.

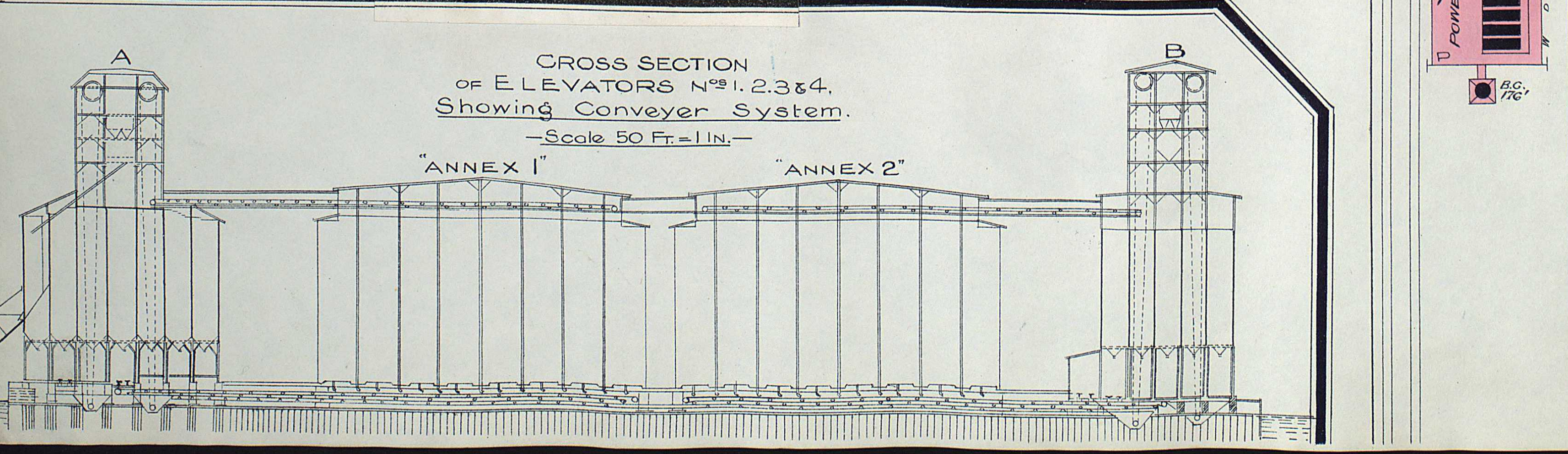
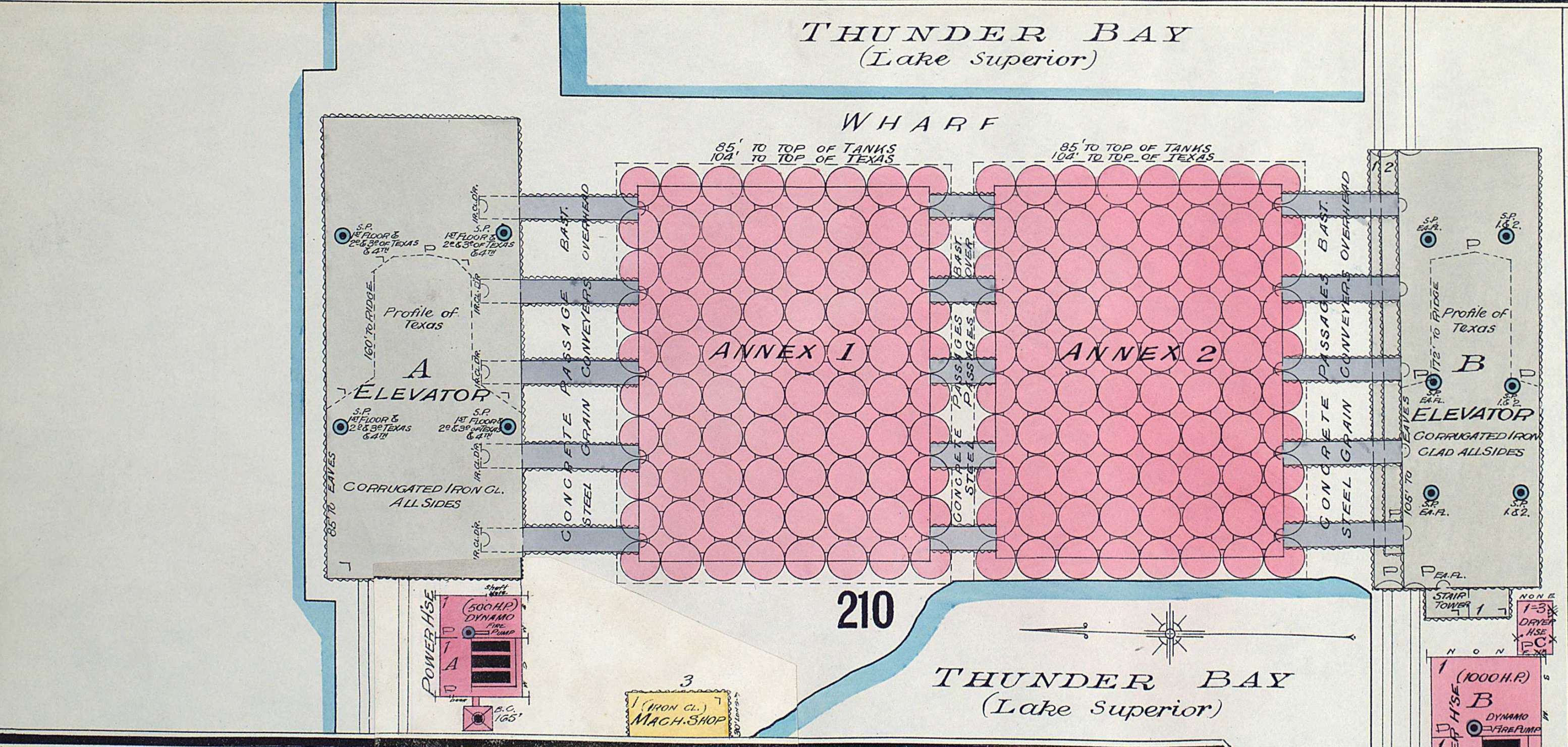
SPEAKING TUBES & GONGS: Connect all floors of "A" & "B" with Engine Rooms. In "A" there is a push-button at each hose connection to Engine room.

BARRELS & PAILS: Throughout.

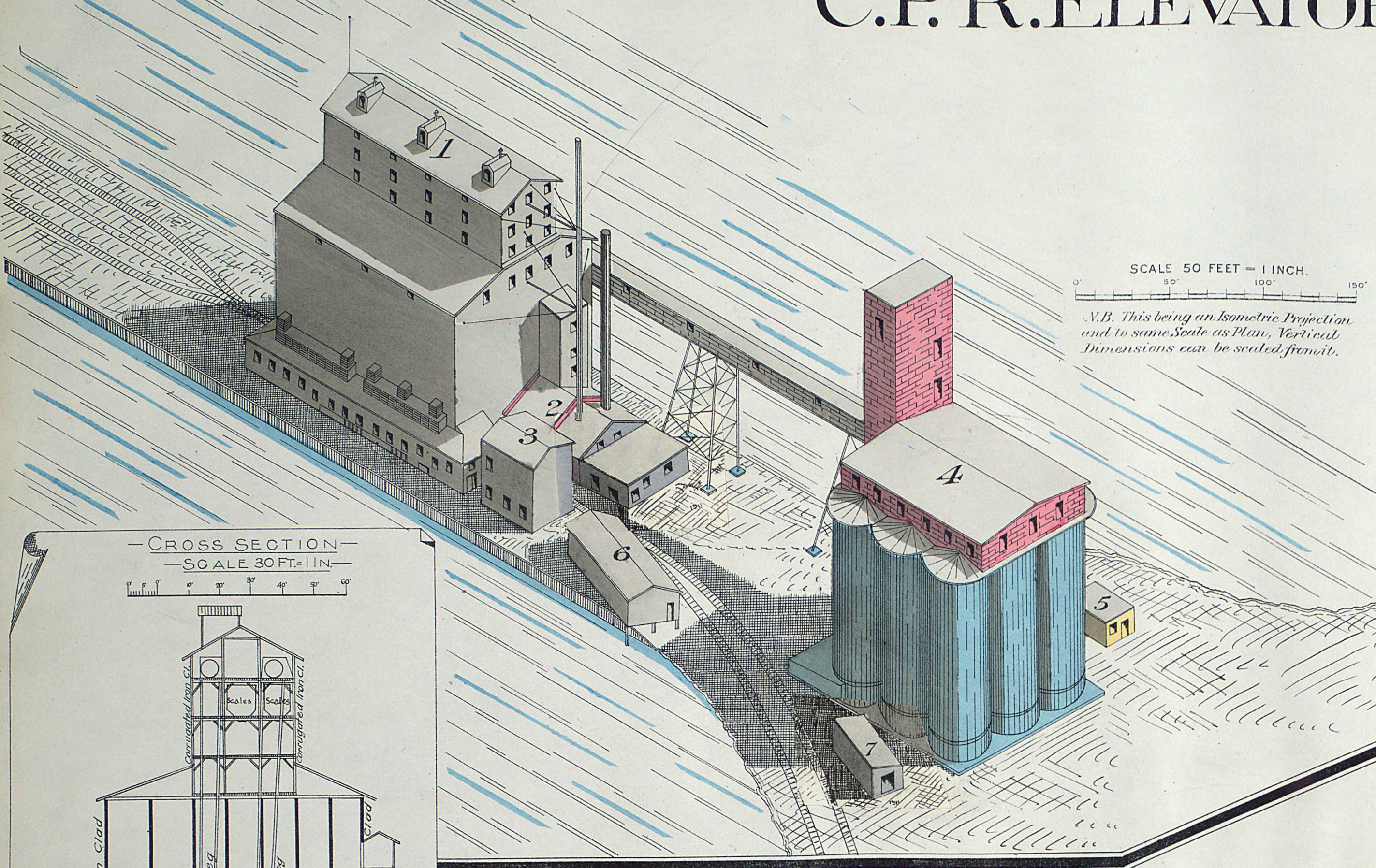
WATCHMEN: 2 Night & Sunday in Summer, 3 in Winter. Eco-Magneto Clock with 12 stations in "A" & Annex 1. 2 Electric Clocks & 26 stations in B & Annex. — Ground floor stations visited every 1/2 hour, others every 3 hours.

OUTSIDE PROTECTION: Town has Steam Fire Engine & Volunteer Brigade, but Elevators are not easy of access.

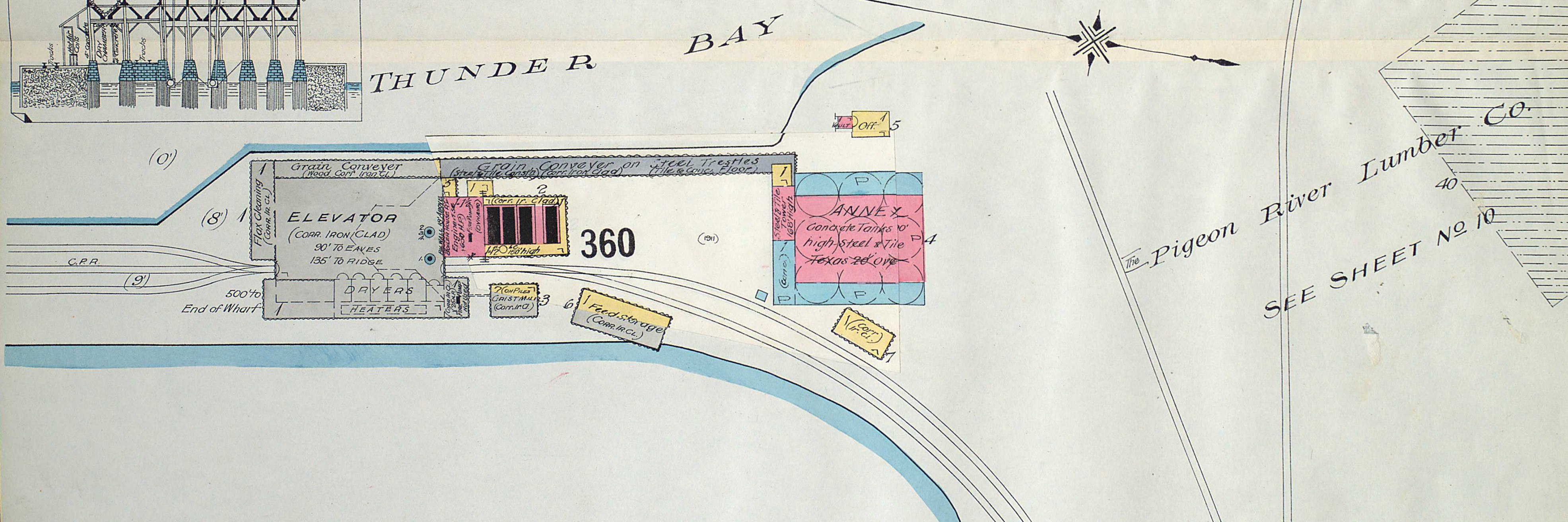
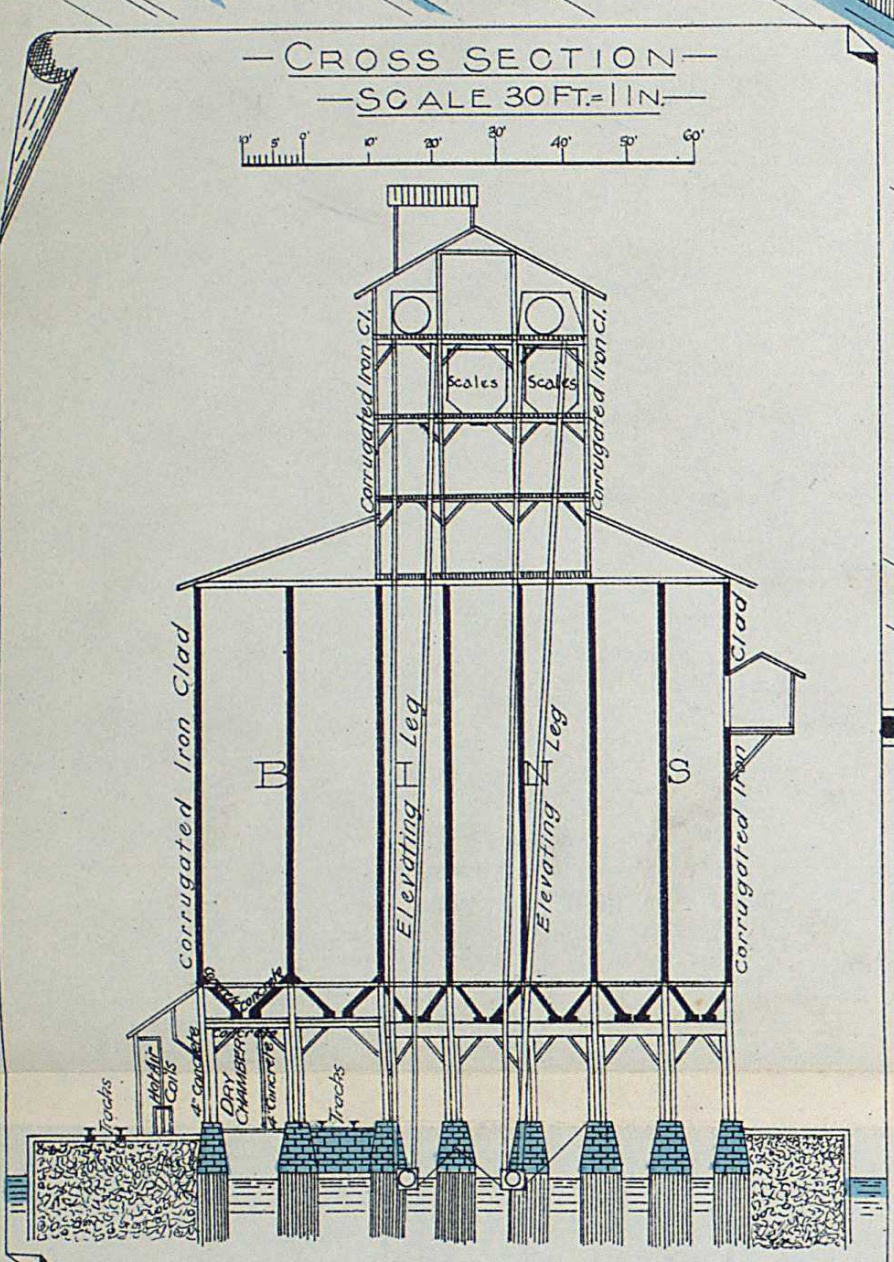
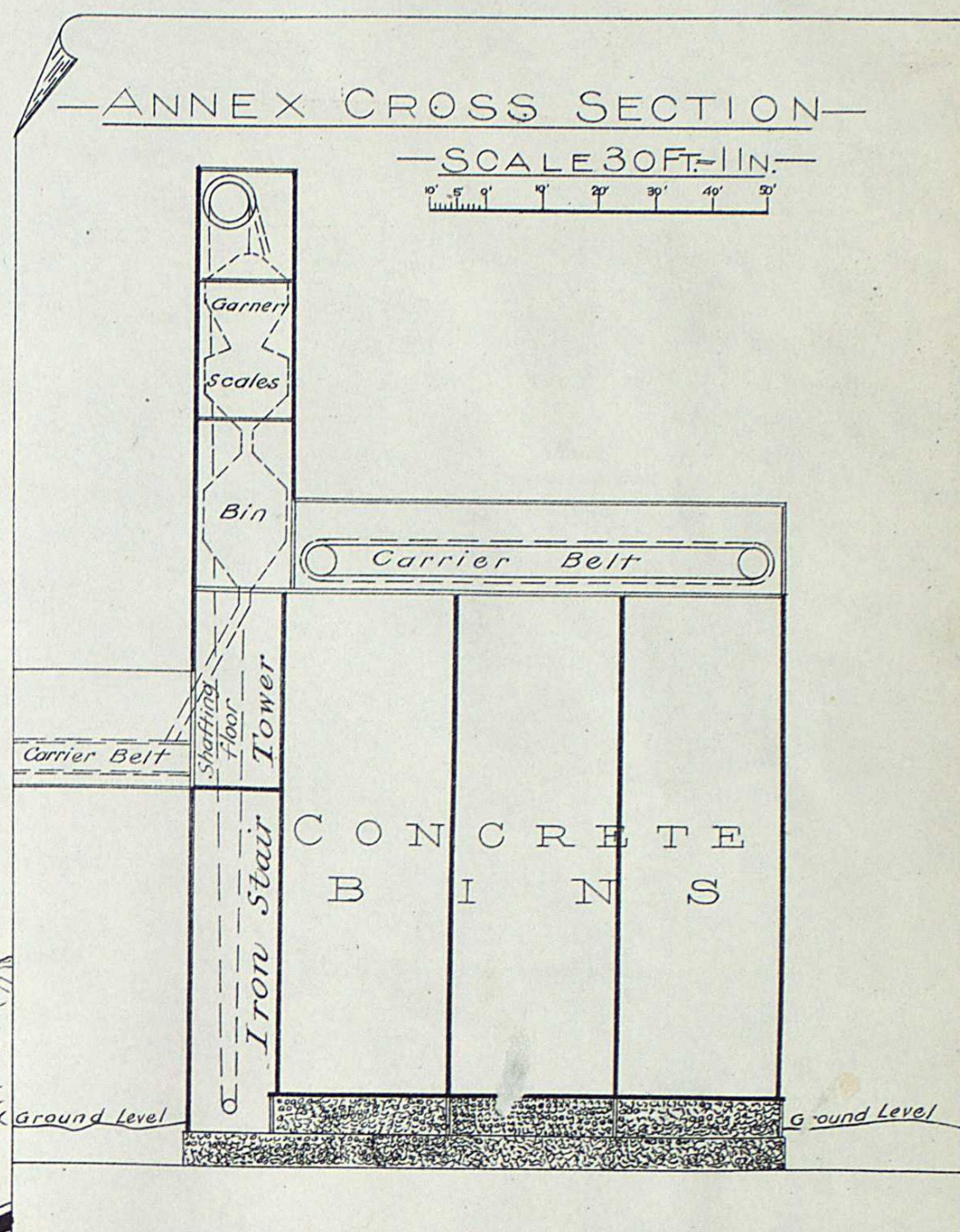
GENERALLY: Annexes 1 & 2 are Storage Elevators for storage of cleaned & dried grain only.



C.P.R. ELEVATOR.



SCALE 50 FEET = 1 INCH.
V.B. This being an Isometric Projection and to same Scale as Plan, Vertical Dimensions can be scaled from it.



OWNERS: C. P. R. Leased by David Horne & Co.
CAPAC: No 1: 250,000 bushels. No 4: 500,000 bushels.
POWER: Steam.
HEAT: Steam in Off, Hot Air in Dryers, None in No 4.
FUEL: Soft Coal & Hard Coal.
LIGHT: Incandescent Electric - Water proof sockets - Cut outs & switches in asbestos lined cabinets - Generators in Engine Room.

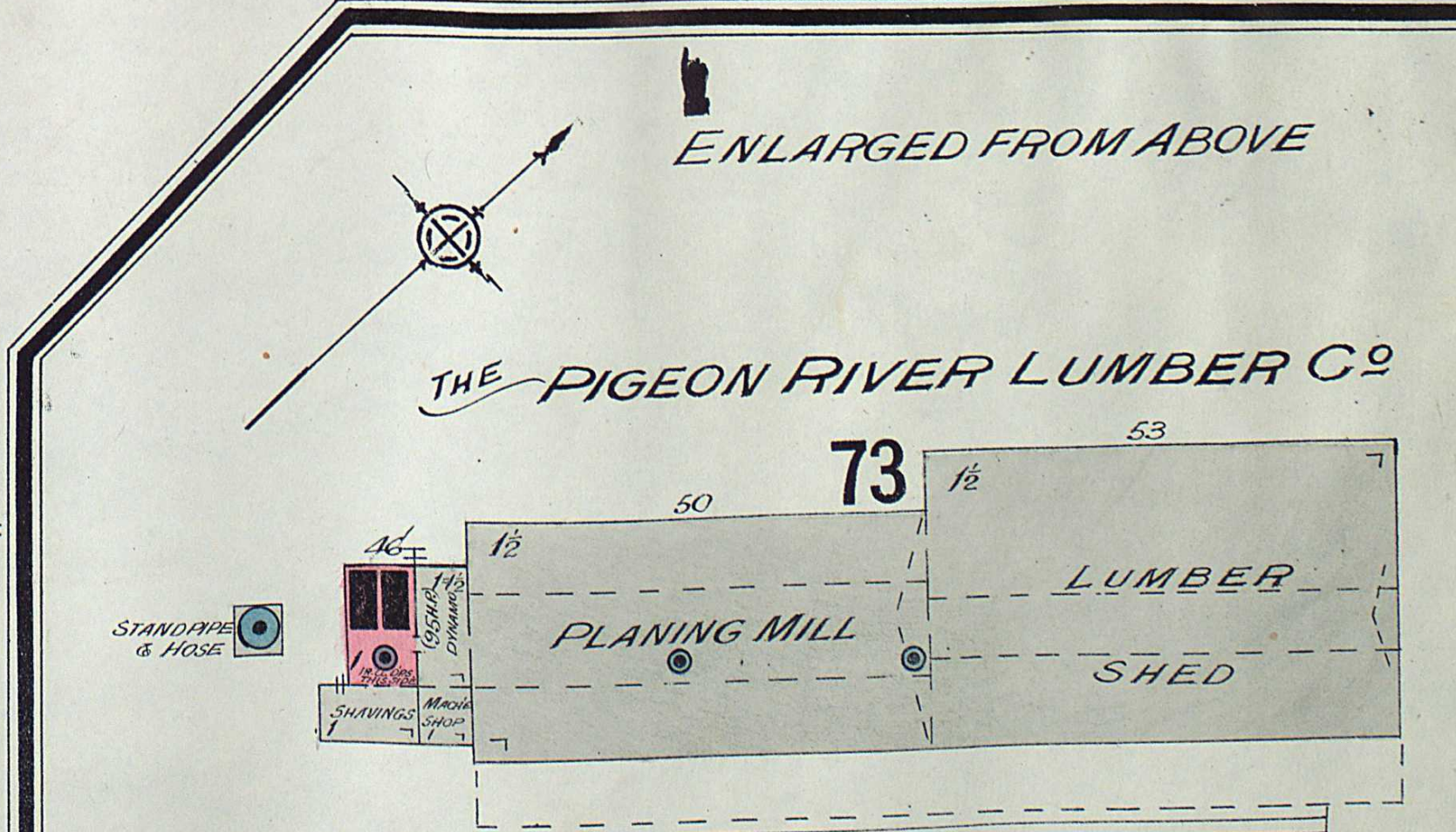
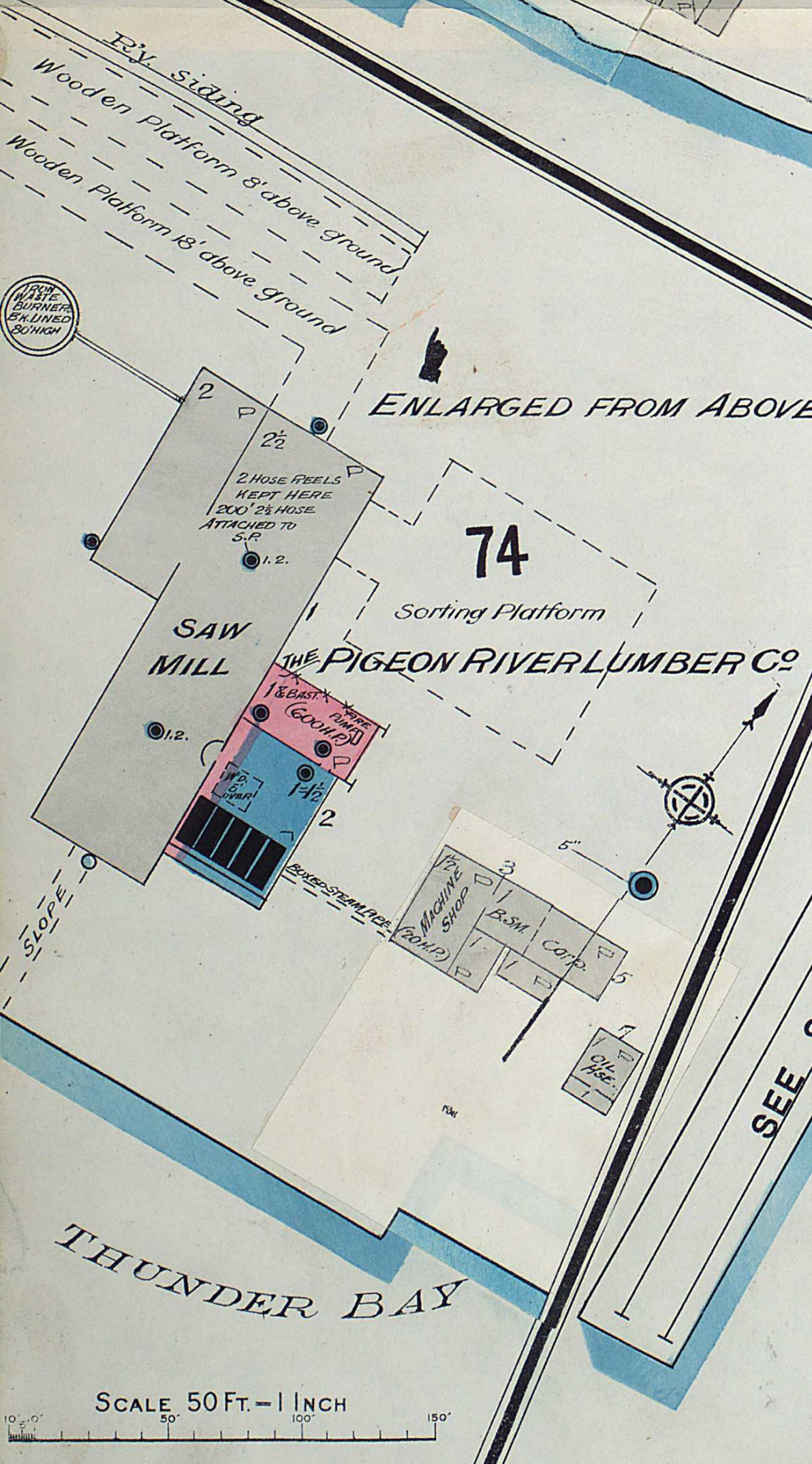
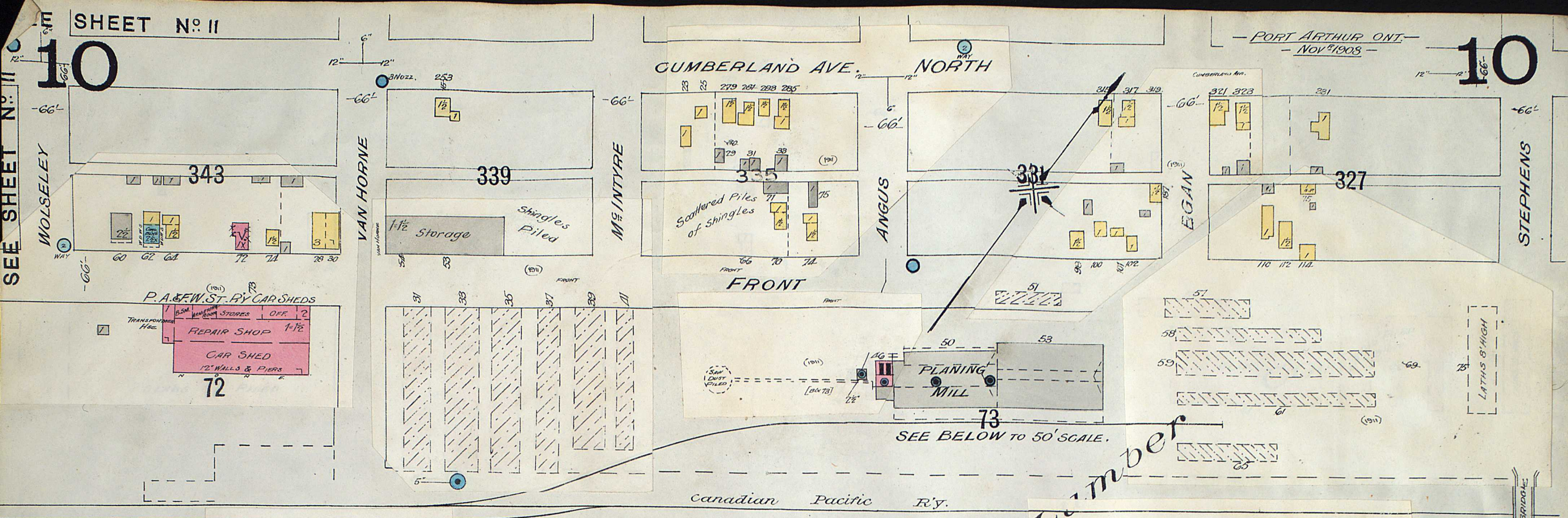
CONSTRUCTION
AGE: No 1 about 33 years, No 4, 5 years old.
BINS: In No 1, Bins are of 6"x2" planks (outside walls 8"x2") nailed flat & rest on 14"x12" posts on stone & concrete piers. In No 4 tanks are of 9" concrete re-inforced by steel bands. Tops covered with tiles & concrete. Pockets between tanks are also used for storage. Concrete piers & foundations.
ROOFS: Iron on all buildings except No 4 which is tile covered with tar and gravel.

CASING: Nos 1, 2, 3 & 6 clad with galvanized corr. iron.
ENGINE HOUSE: Walls 12" brick. Concrete floor. Wooden ceiling. No opening into Elevator. 16" Fire Wall 32" above roof; with iron door proposed between Boiler & Engine rooms.
BOILER HOUSE: Frame corrugated iron clad - Parts of walls & ceiling protected by steel laths & plastering.
DRY HOUSE: Frame corrugated iron clad. Lined with wire laths & plaster. The partition cutting off Dryers from 1st floor of Elevator & bottom of bins over Dryers are covered with 4" concrete. Dryers are under one row of bins. Fans & Steam Coils are in lean-to. The hot air through dryers is not continuous, as cold air is blown through every few hours so as to reduce hazard.
TEXAS & SCALE TOWER of No 4 are of steel frame & tile construction. Elevator Leg in steel boxes.

CONVEYERS: Conveyer between Nos 1 & 4 is of steel corrugated iron clad with tile floor. Screw conveyers under dryers for delivering grain to lofting legs are enclosed in metal lined box.
STAIRWAYS: In No 1 in Main belt shaft; open. In No 4 Iron spiral in Scale Tower.
WINDOWS: In No 4 are hard wood frames, iron clad over.
CLEANING MACHINERY: 4 Scourers, 4 Brush machines & 3 Flax cleaners all on 1st floor of No 1.
DUST COLLECTORS: Dust is partly conveyed to Grist Mill & partly blown to Boilers by 6 Collectors. 3 automatic dust dischargers on roof.
PROTECTION
PUMPS: One Duplex 8"x5"x10" in Engine Room & one Duplex 12"x6" at Dryer plant.

STANDPIPES: Two 3" Stand pipes in No 1, one with hose connections 2d, 3d, 4th & other with connection 1st only.
HOSE: 100' of 2 1/2" hose attached to each stand-pipe connection.
BARRELS & PAILS: Distributed.
FIRE EXTINGUISHERS: 3 "Stemple".
SPEAKING TUBES & GONGS: Each floor to Engine Room.
WATCHMAN: Night & Sunday, 6 Stations visited hourly (To be 12 Stations).
OUTSIDE PROTECTION: None.
GENERALLY
 Annex is a storage Elevator for storage of cleaned & dried grain only.

The Pigeon River Lumber Co.
SEE SHEET No 10



Abt. 210 HANDS.
 POWER & HEAT: Steam. - LIGHT: Electric (GENERATED IN
 Eng. RM. OF PLANING MILL). - FUEL: Sawdust & Shavings.
 PROTECTION
 HALL Fire Pump, 12' x 6' x 12" in Boiler H'se. of Saw Mill.
 2000' of 2 1/2" Rubber Hose at Saw Mill, 500' at Planing
 Mill. - 2 Hose Reels at Saw Mill, 1 at Planing Mill.
 2 Hydrants in Yard. - 3" S.P. with several Hose Connect'ns.
 at Saw Mill. 1, 2 1/2" S.P. at Planing Mill.
 3 Night Watchmen and Elec. Clock.
 Concrete Floor & Iron Ceiling in Boiler House of
 Planing Mill.

Scale 100 Feet to 1 Inch
 NB Veneered Buildings are colored red
 and marked V

SEE SHEET No. 9
 TO 50' SCALE

SEE SHEET No. 10
 TO 50' SCALE

THE PIGEON RIVER LUMBER CO.



TUPPER

ST. JOSEPH

84C

ST. JOHN

84D

VAN NORMAN

47

Y.M.C.A.

PRESBYTERIAN CHURCH

33B

[LAND PLAN II]

STREET

33C

[LAND PLAN III]

CAMERON

NORTH

ALGOMA

ST. JOSEPH'S HOSPITAL

Heat - Hot Water
Electric Light

COURT HOUSE

Jail

REGISTRY OFFICE

48

ROM. CATH. CHURCH

SEPARATE SCHOOL

MASONIC HALL 22

Music
Tailor
Drugs

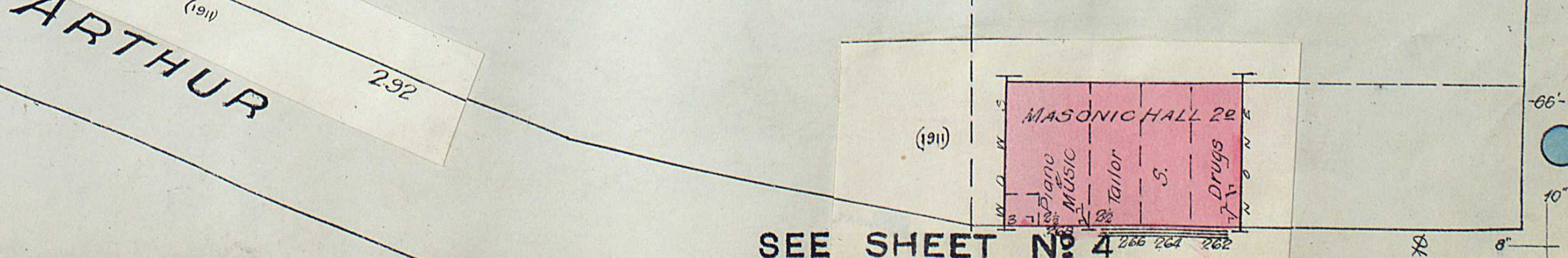
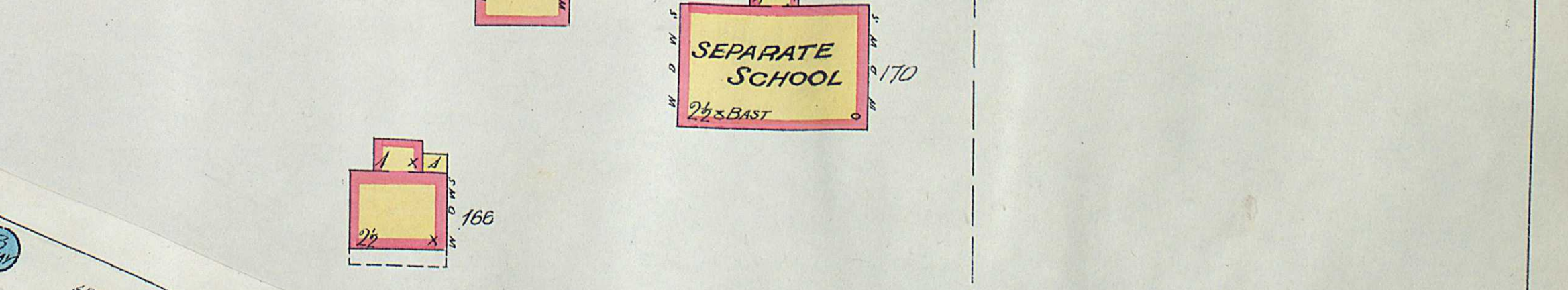
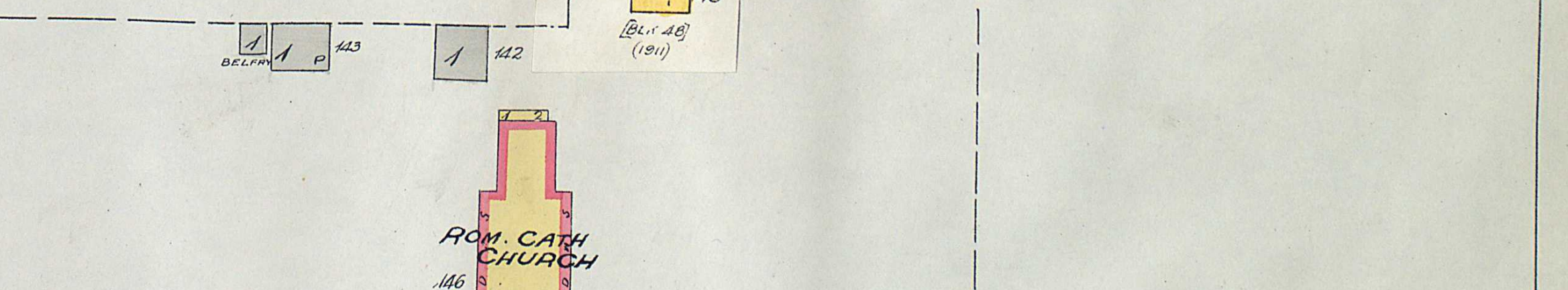
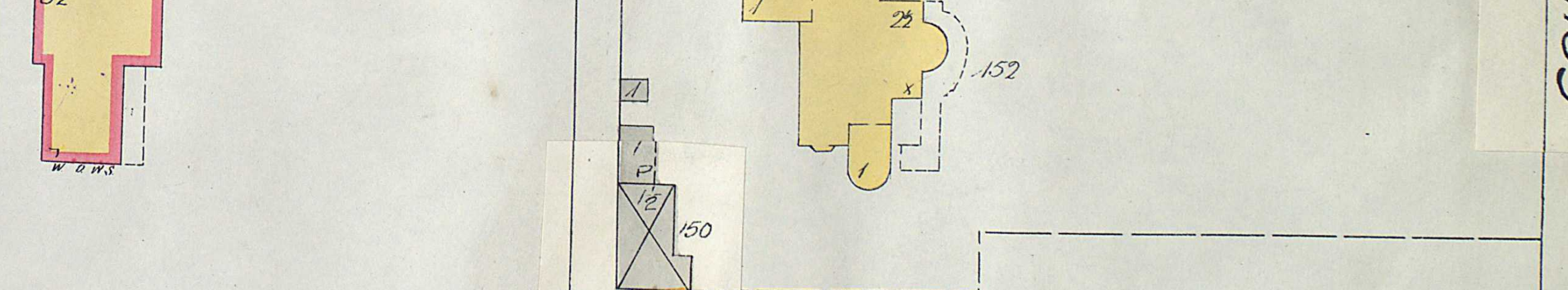
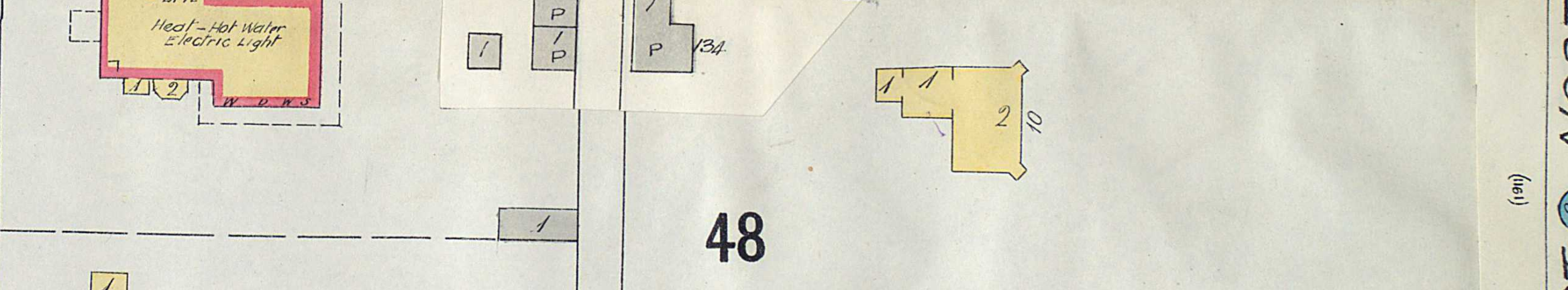
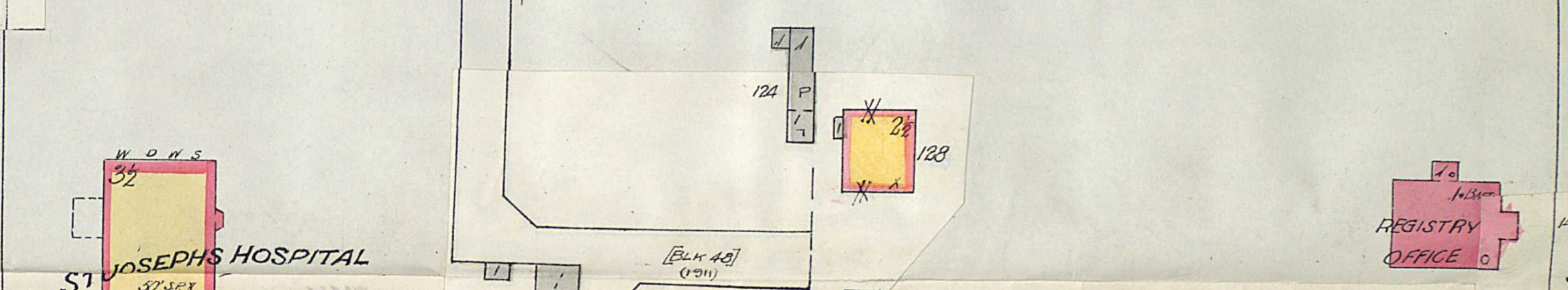
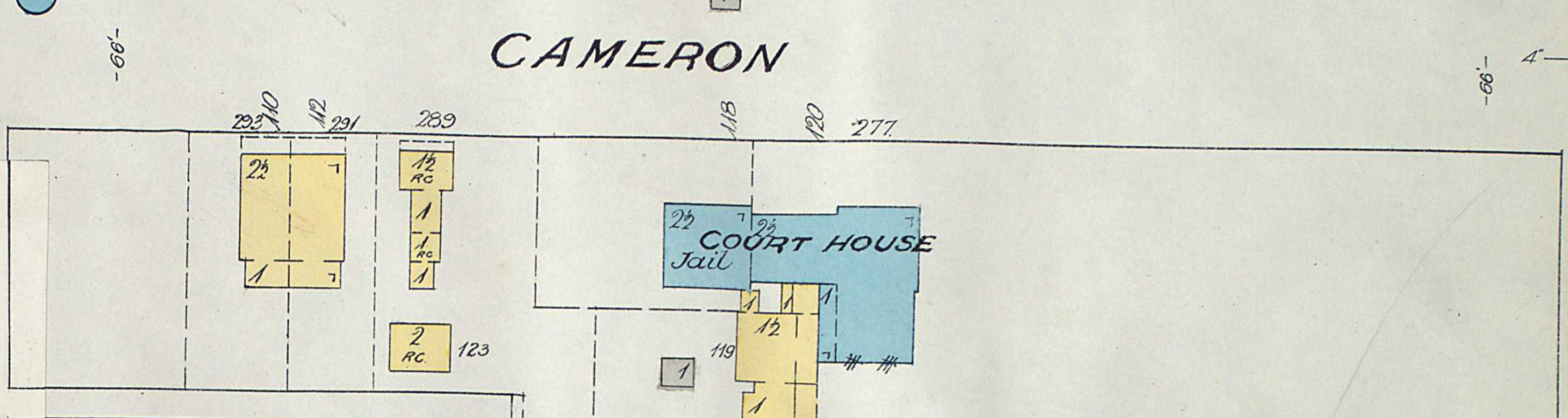
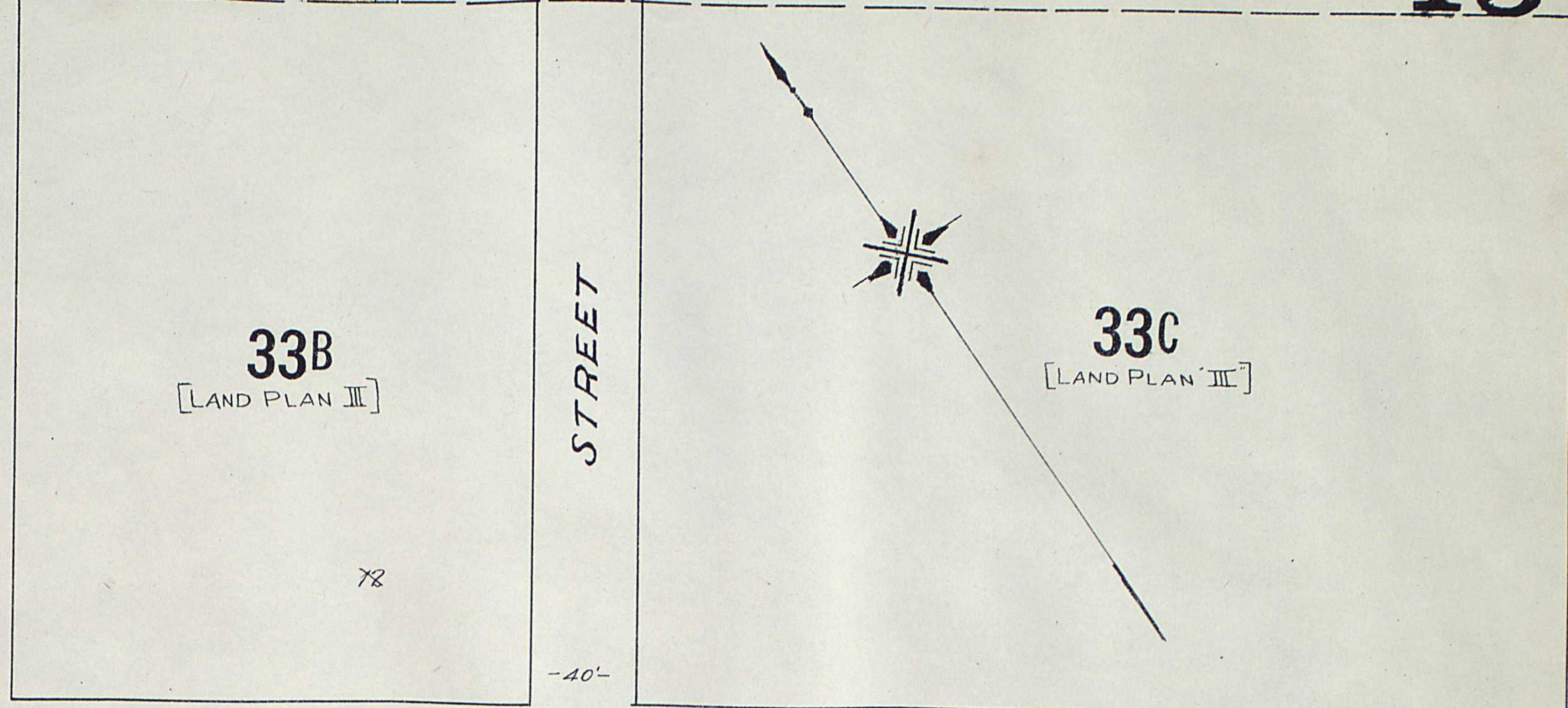
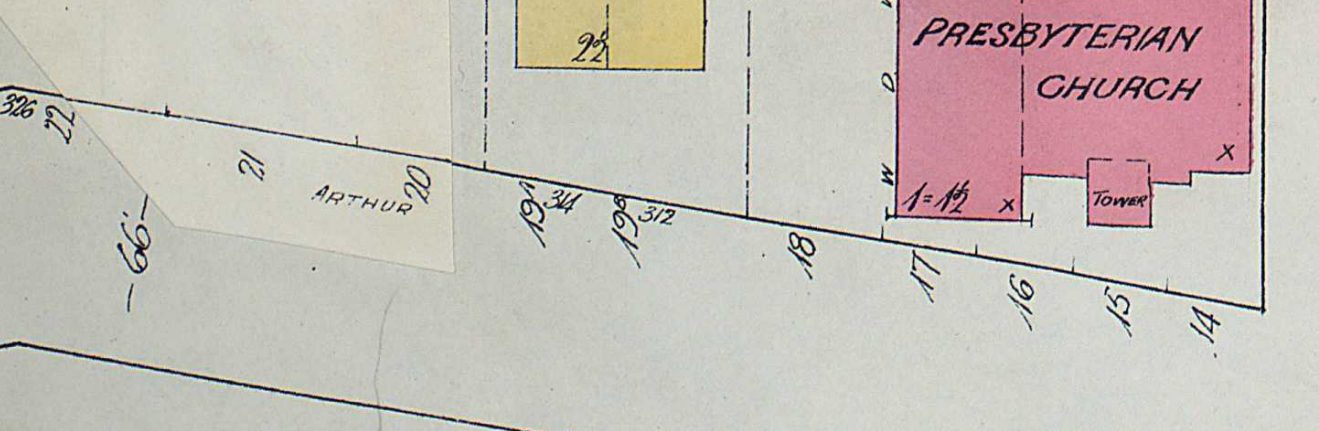
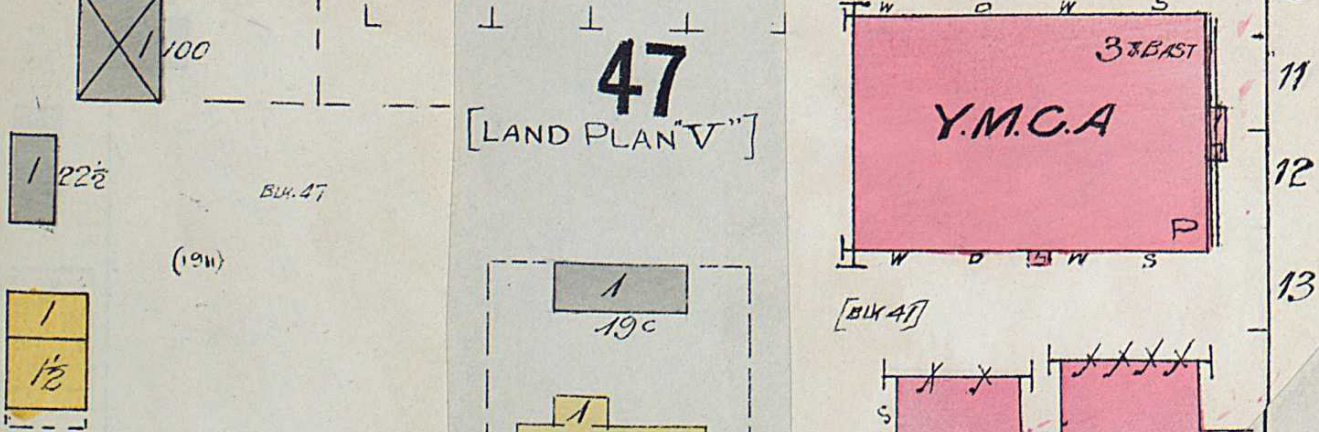
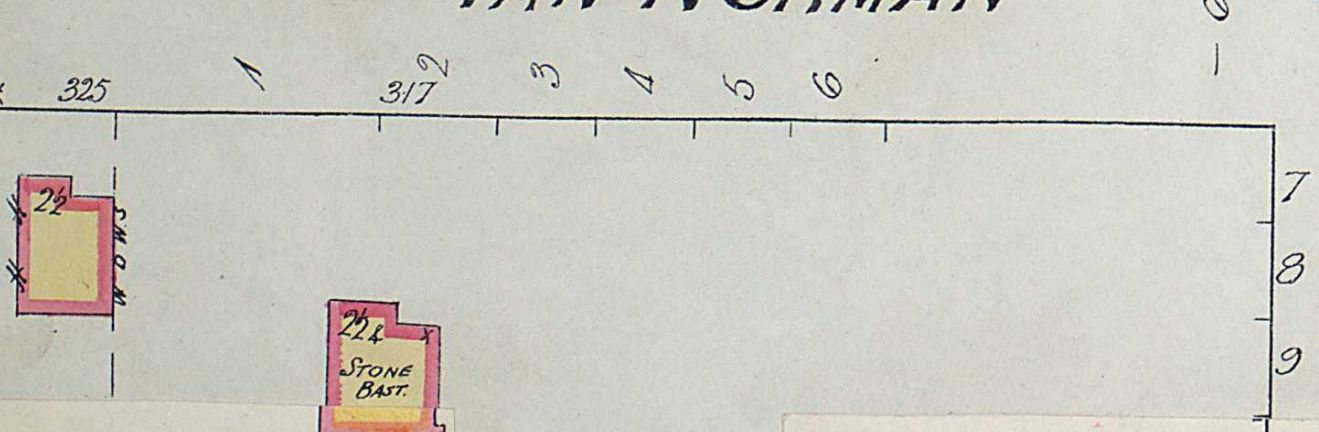
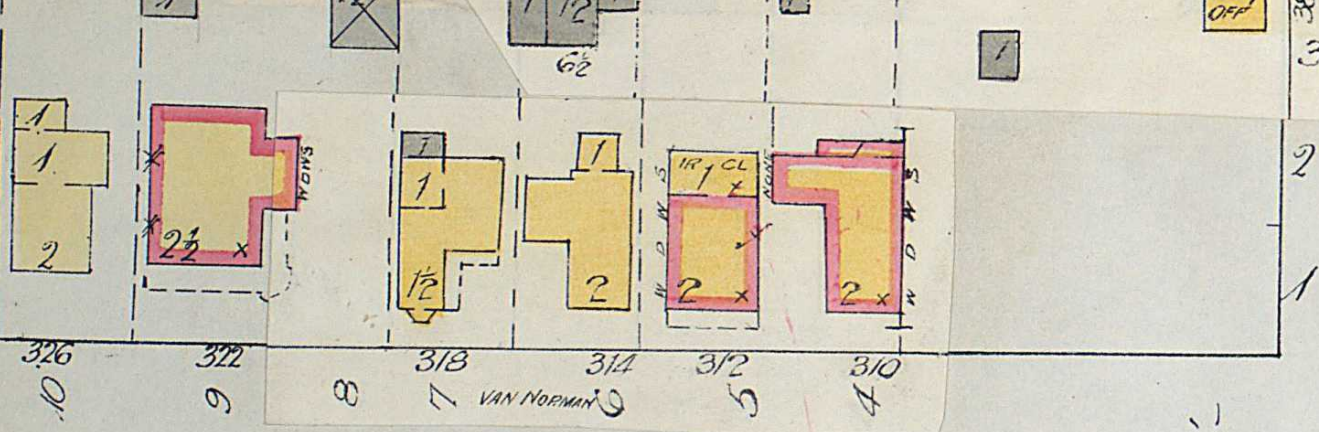
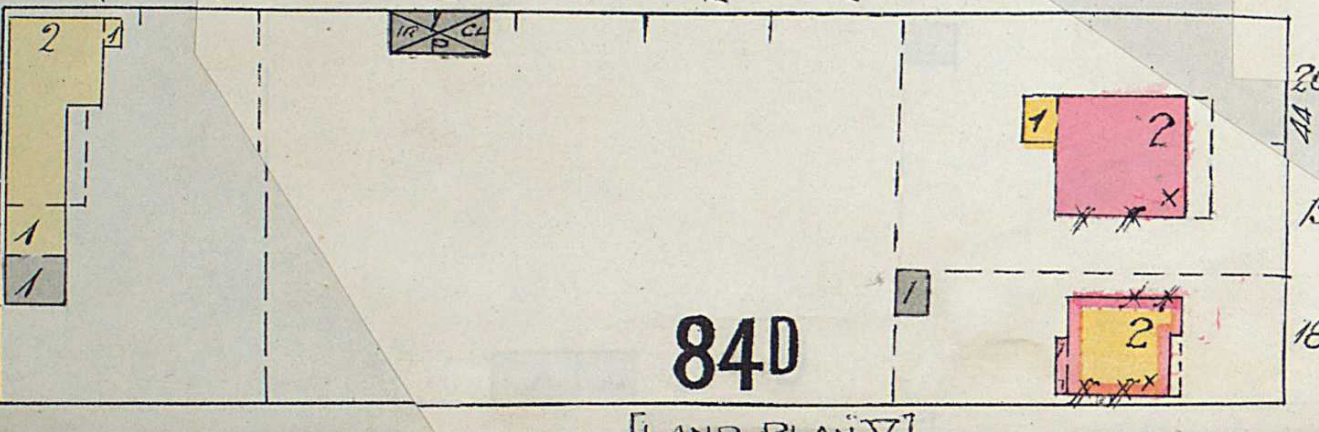
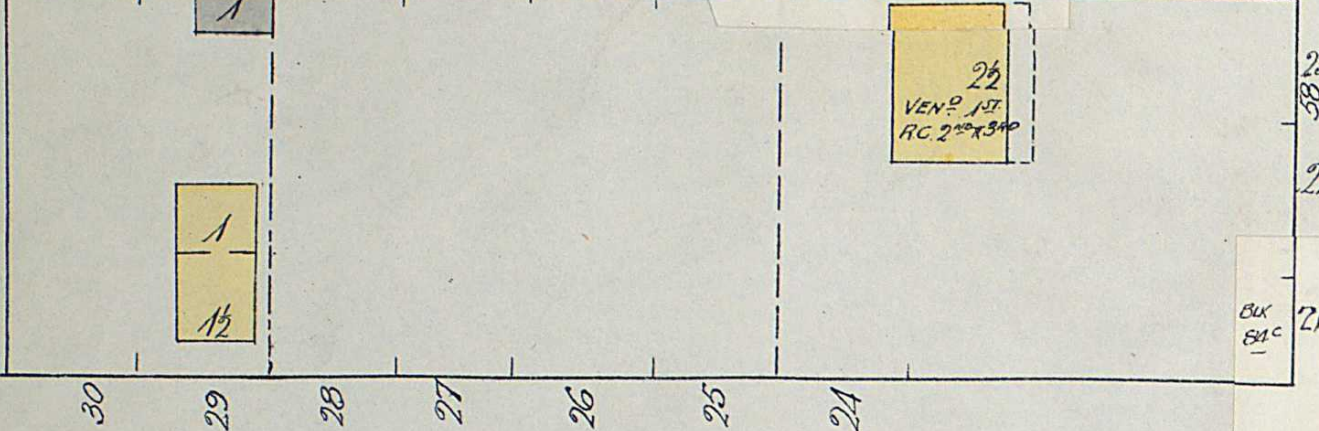
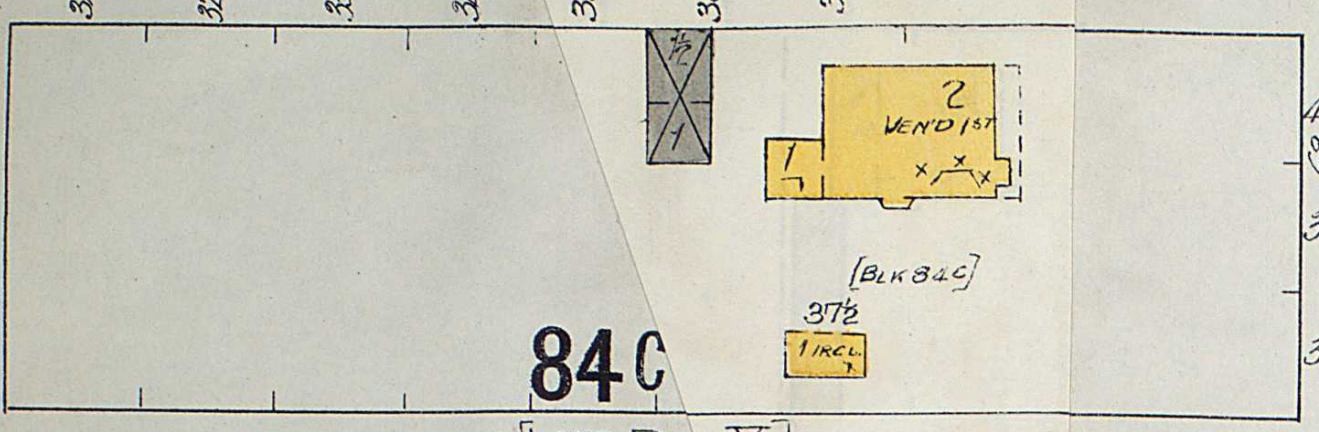
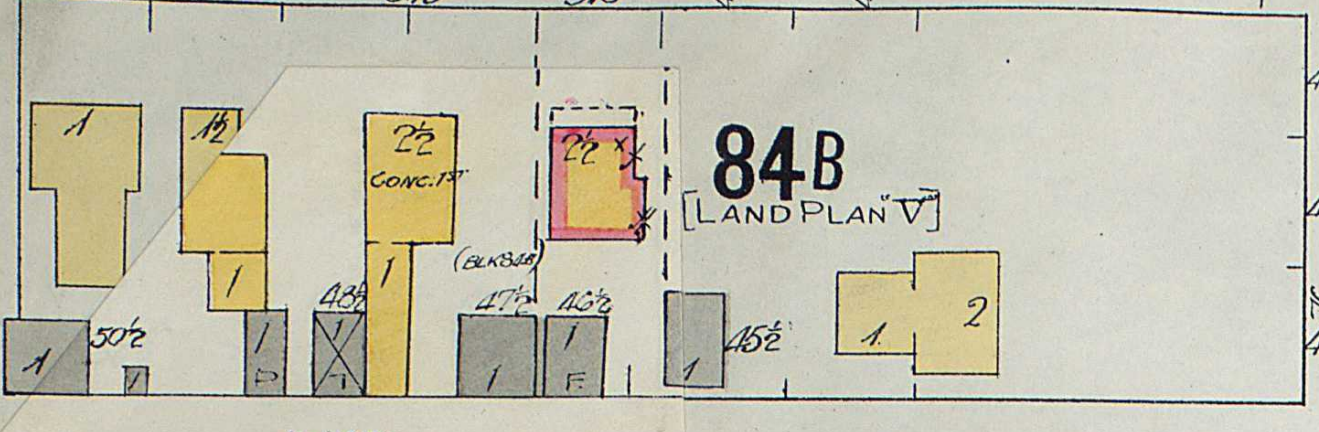
SEE SHEET N^o 15

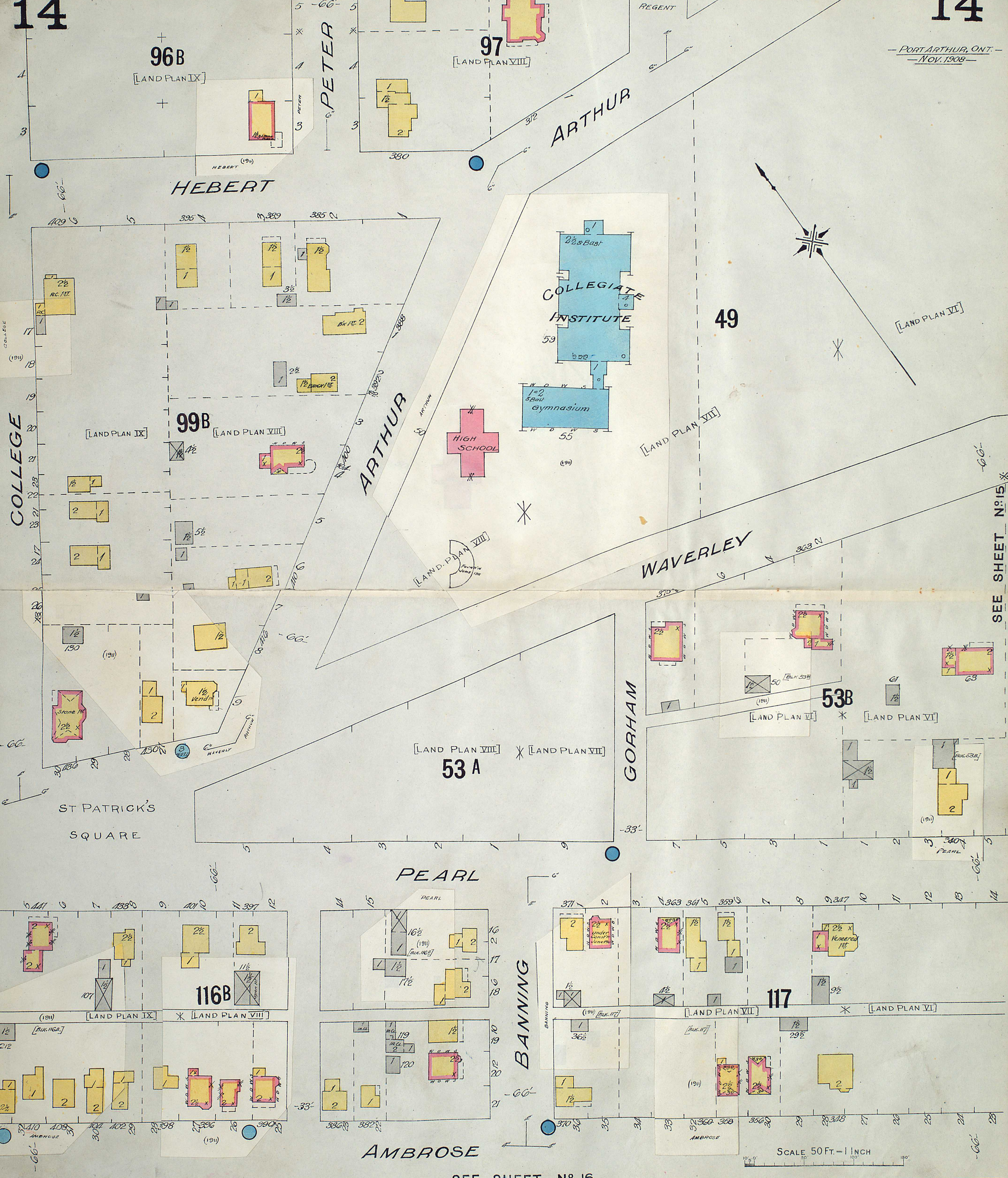
SCALE 50 FT. = 1 INCH

SEE SHEET N^o 4

SEE SHEET N^o 12

SEE SHEET N^o 3
NORTH
COURT







116C

119A

123

120A

120B

120C

122

124

121

125

SEE SHEET N° 15

SEE SHEET N° 6

AMBROSE

AMBROSE

58

[LAND PLAN IV]

[L.P. III]

WILSON

DUFFERIN

60

[LAND PLAN IV]

SOUTH

SECORD

ALGOMA

MACHAR AVE.

SEE SHEET N° 6

123

WILEY

124

FOLEY

125

126

60A

[LAND PLAN IV]

HALL 1ST & 2ND
REST. BATH

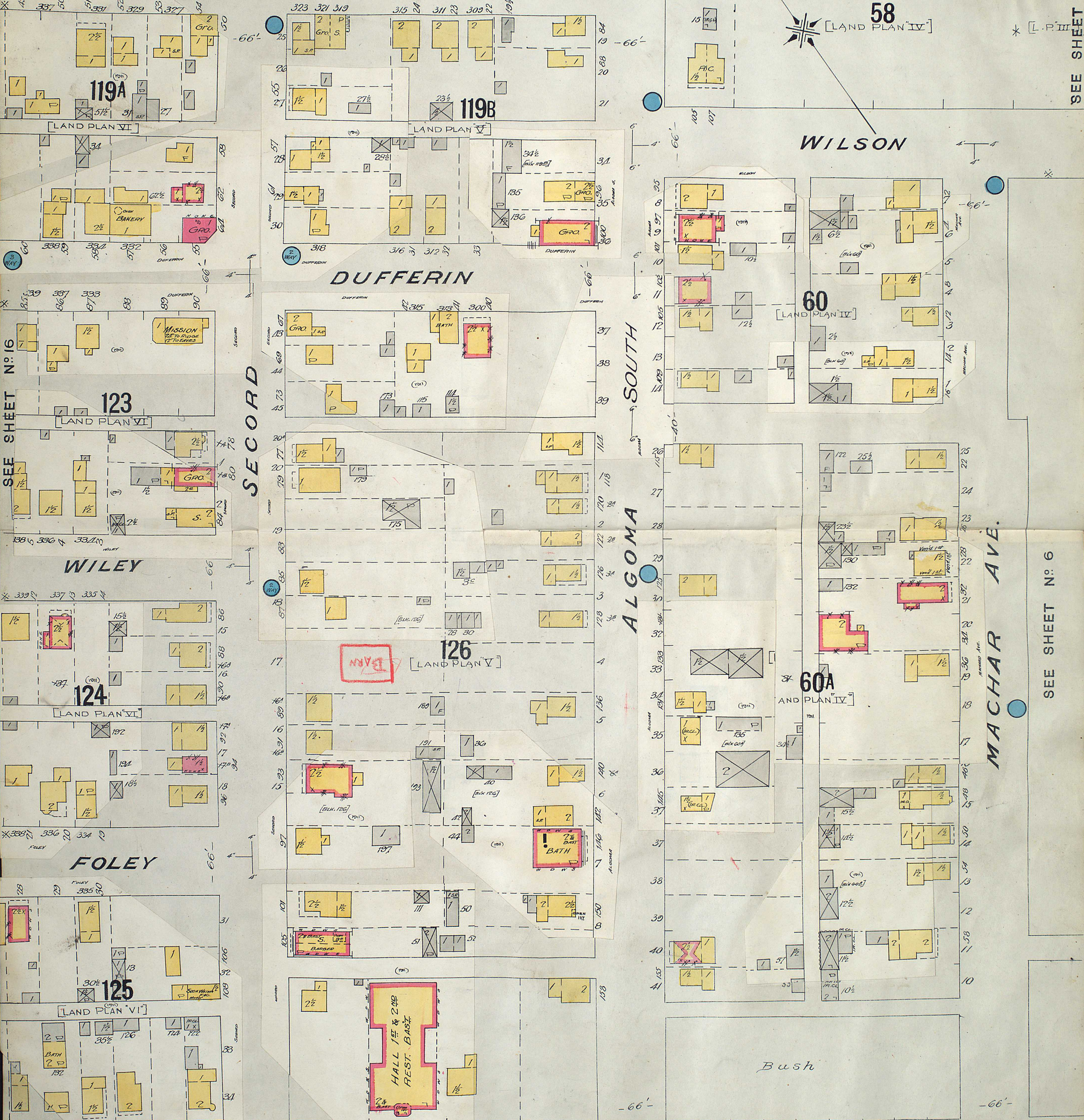
Bush

BAY

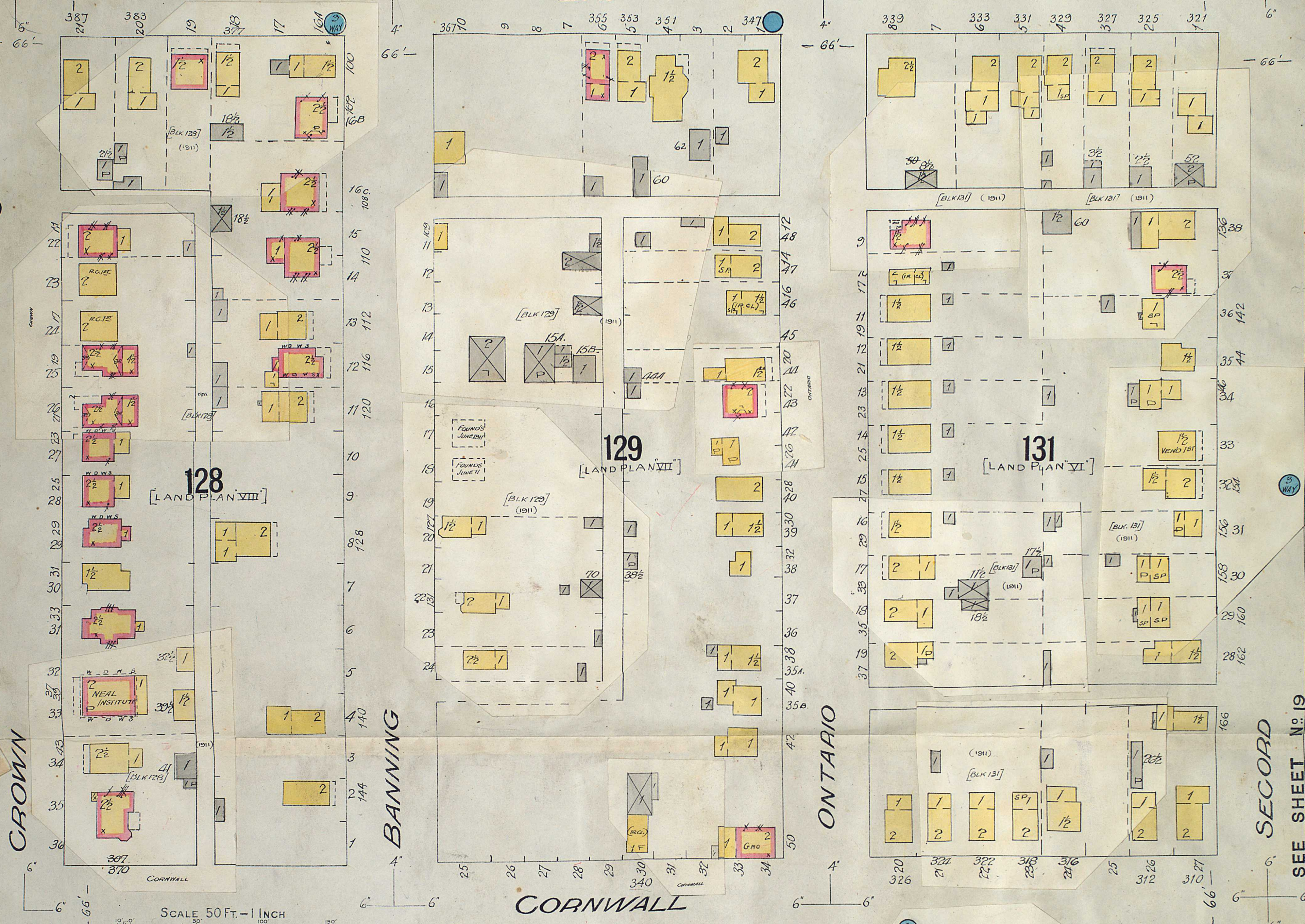
SEE SHEET N° 18

SEE SHEET N° 19

SCALE 50 FT. = 1 INCH



BAV

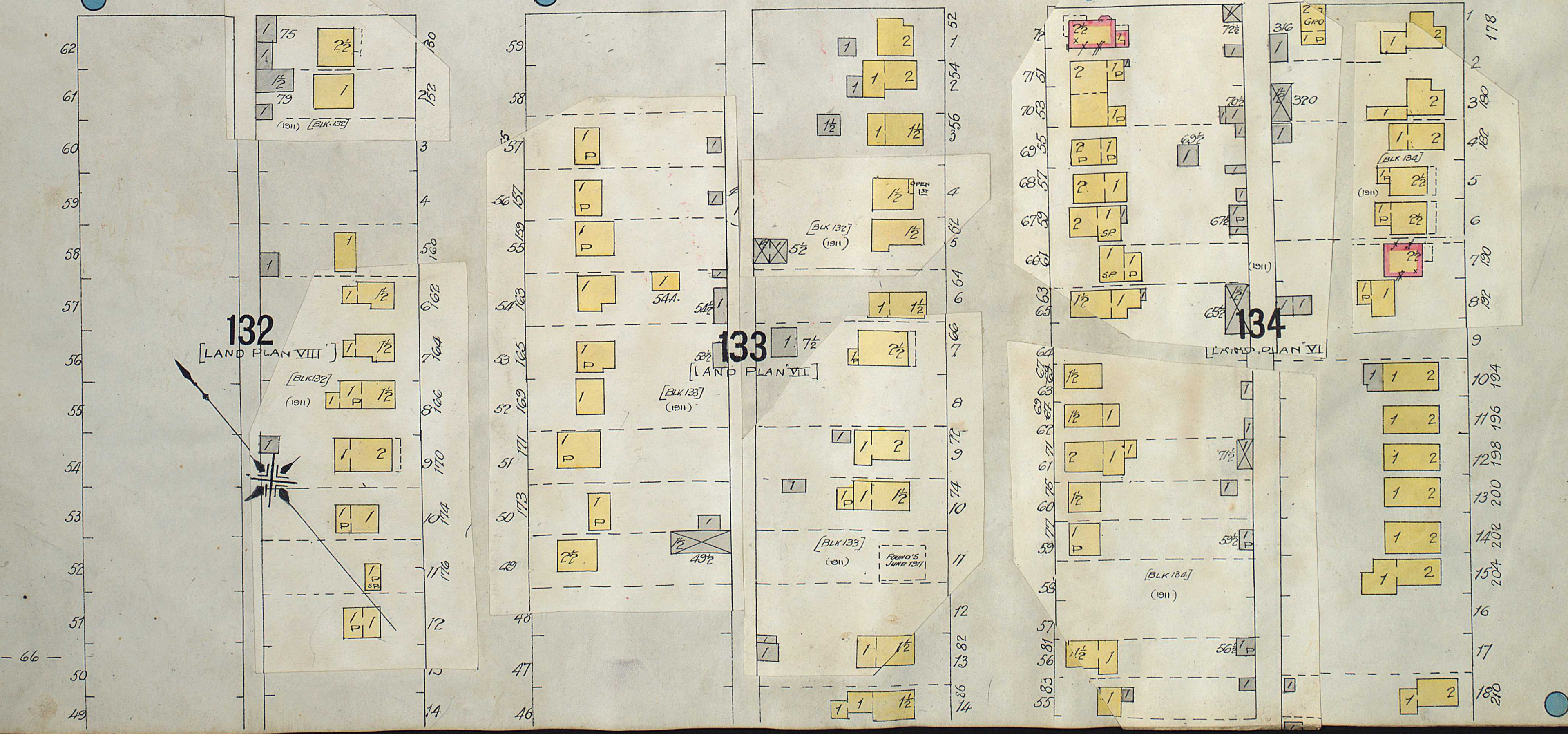


SCALE 50 FT. = 1 INCH

132

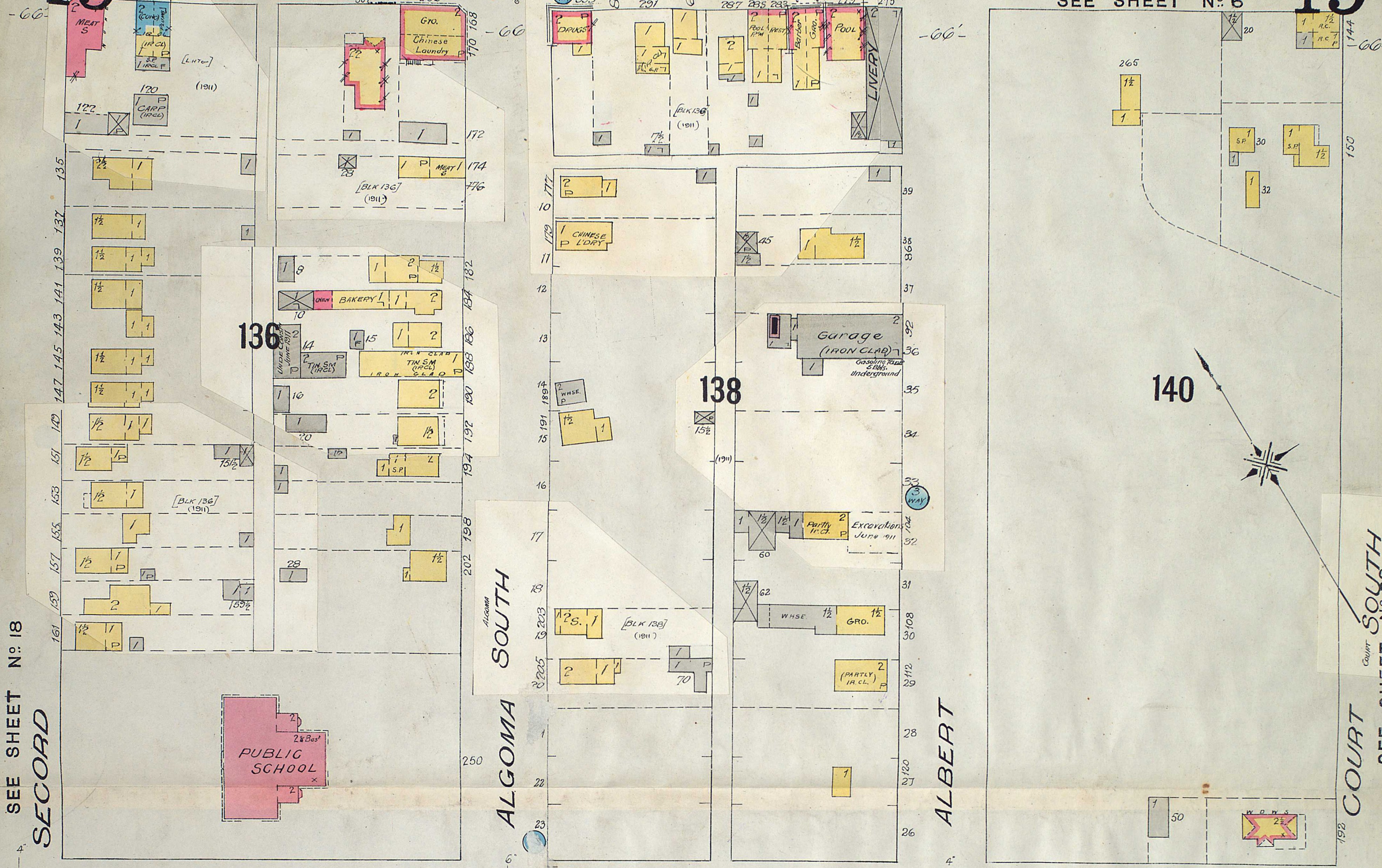
133

134



SEE SHEET No. 19

BAY

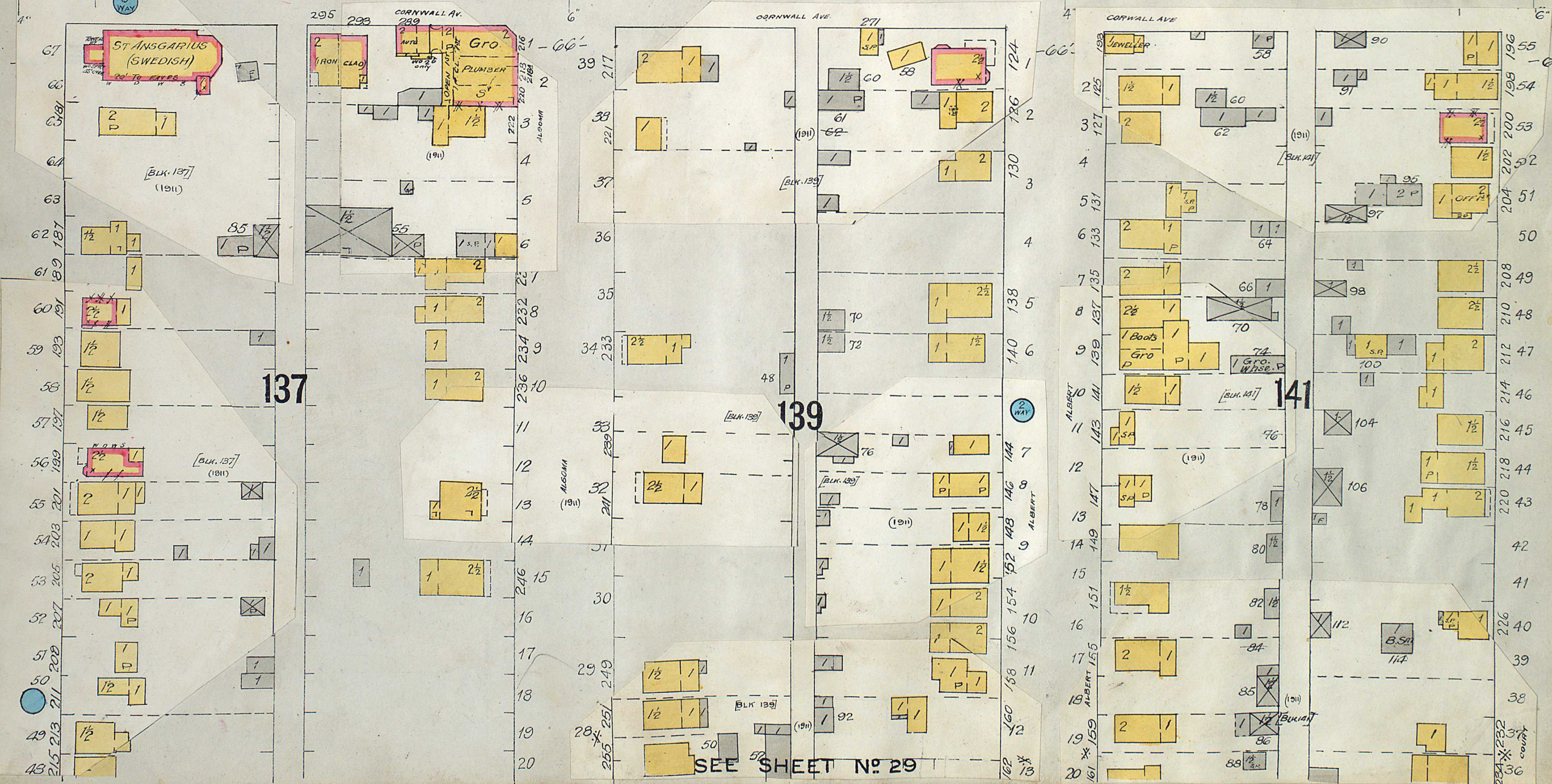


SEE SHEET No. 18
SECOND

COURT SOUTH
SEE SHEET No. 20

CORNWALL AVE.

SCALE 50 FT. = 1 INCH



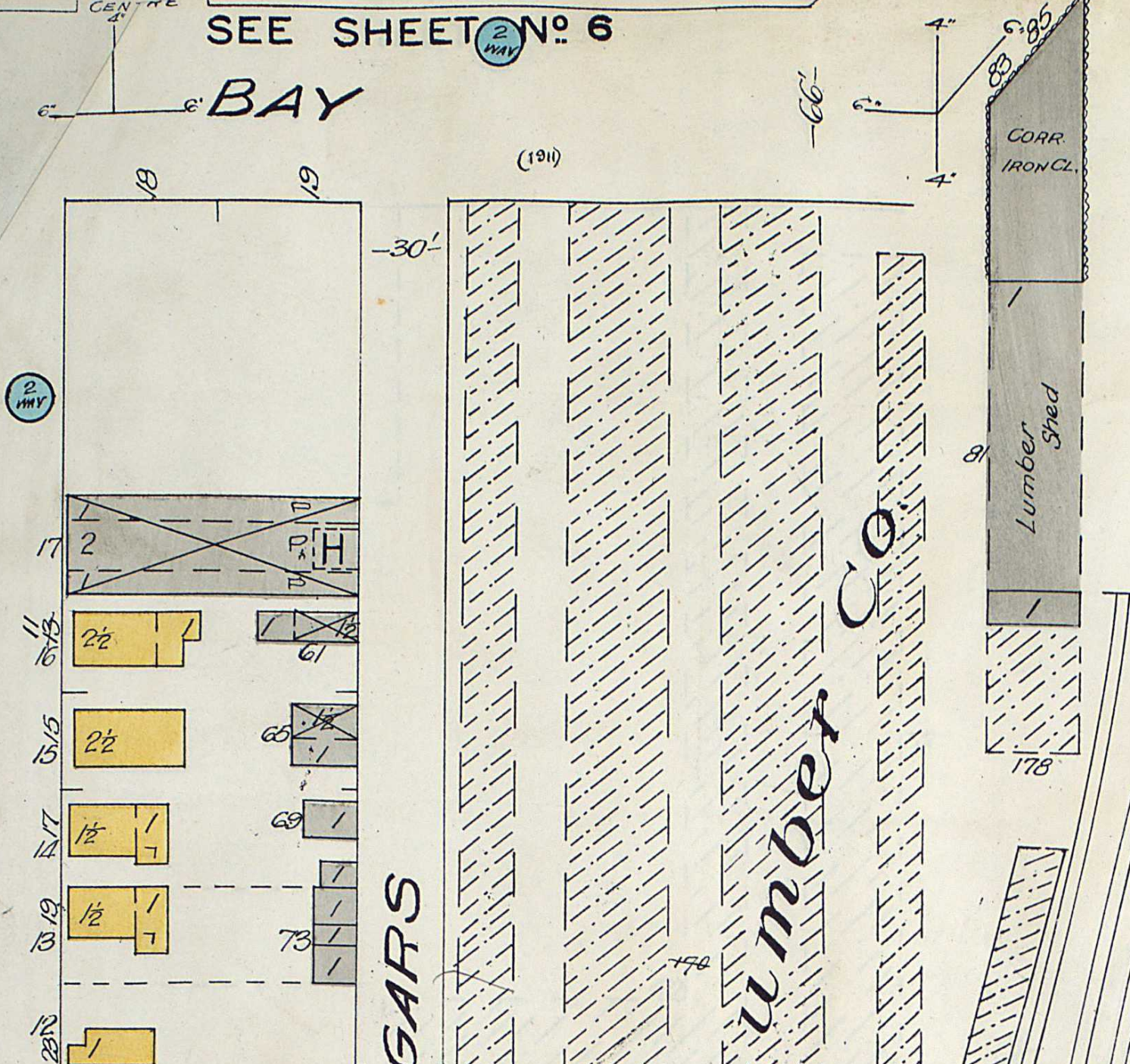
137

139

141

BAY

-100-



22

LAKE SUPERIOR
(Being filled in)

142

JOHNSON AVE.

VIGARS

144B

Lumber Co.

Vigars Shear

LAKE

LAKE SUPERIOR

COURT SOUTH

SEE SHEET N. 19

CORNWALL AVE.

143

144C

WHSE
Imperial Oil Co.

Canadian Pacific Ry.

Atikokan Iron Co. Ltd
SMELETER
C O R E
C E M E N T
P L A T F O R M
S I D I N G

Atikokan Iron Co. Ltd
SMELETER
(Situated about 1/2 mile South of Post Off)
POWER: Steam-Elec.
LIGHT: Elec. - Watchman
No Clock - [BLK. 400]

400

Bins
(CEMENT CONTN'G)

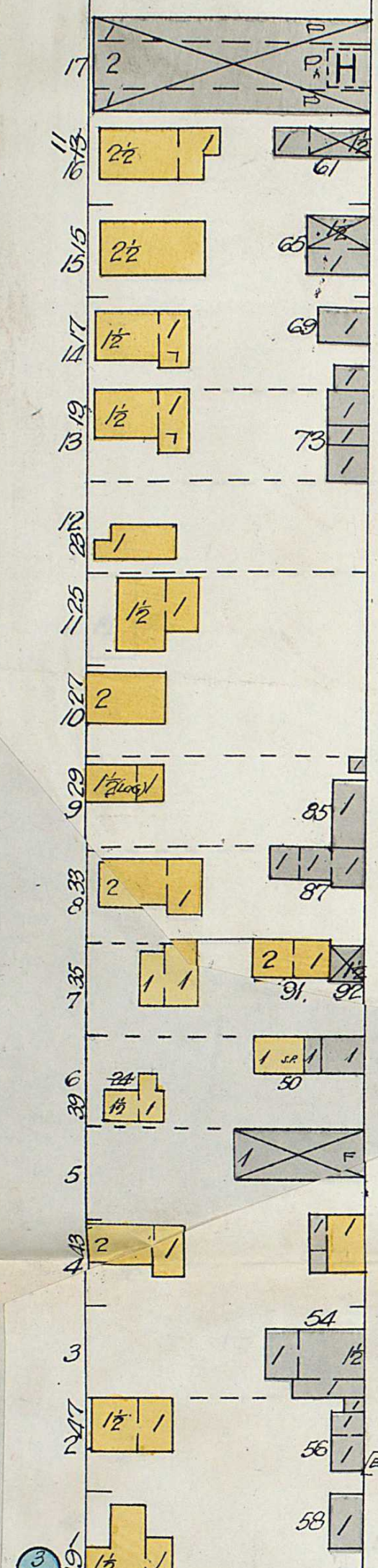
Smelter House

1-3
STEEL FRAME
CORR. IRON CL.

1-2
Engine Room

Pump House
1-1/2

STAND PIPE
40' HIGH



SCALE 50 FT. = 1 INCH

21

SEE SHEET NO. 32

TUPPER

SEE SHEET NO. 22

21

78

SHEPPARD

79

80

81

[LAND PLAN XI]

[LAND PLAN X]

[LAND PLAN X]

TANK
25
[LAND PLAN XI]

To Be Addition
Under Construction
Sept. 1913

1-2 12" WALLS
STEEL & BRICK CONSTR
TRANSFORMER HOUSE
NO W.S. ALL WIRE GLASS
CONCRETE FLOORS

WATER WORKS
57" DIA. PIPE
Cap. 193,400 Gals



PROSPECT AVE

COLLEGE

VAN NORMAN

SCALE 50 FT = 1 INCH

SEE SHEET NO. 12

HIGH NORTH

95A

BROWN

95B

SEE SHEET NO. 30

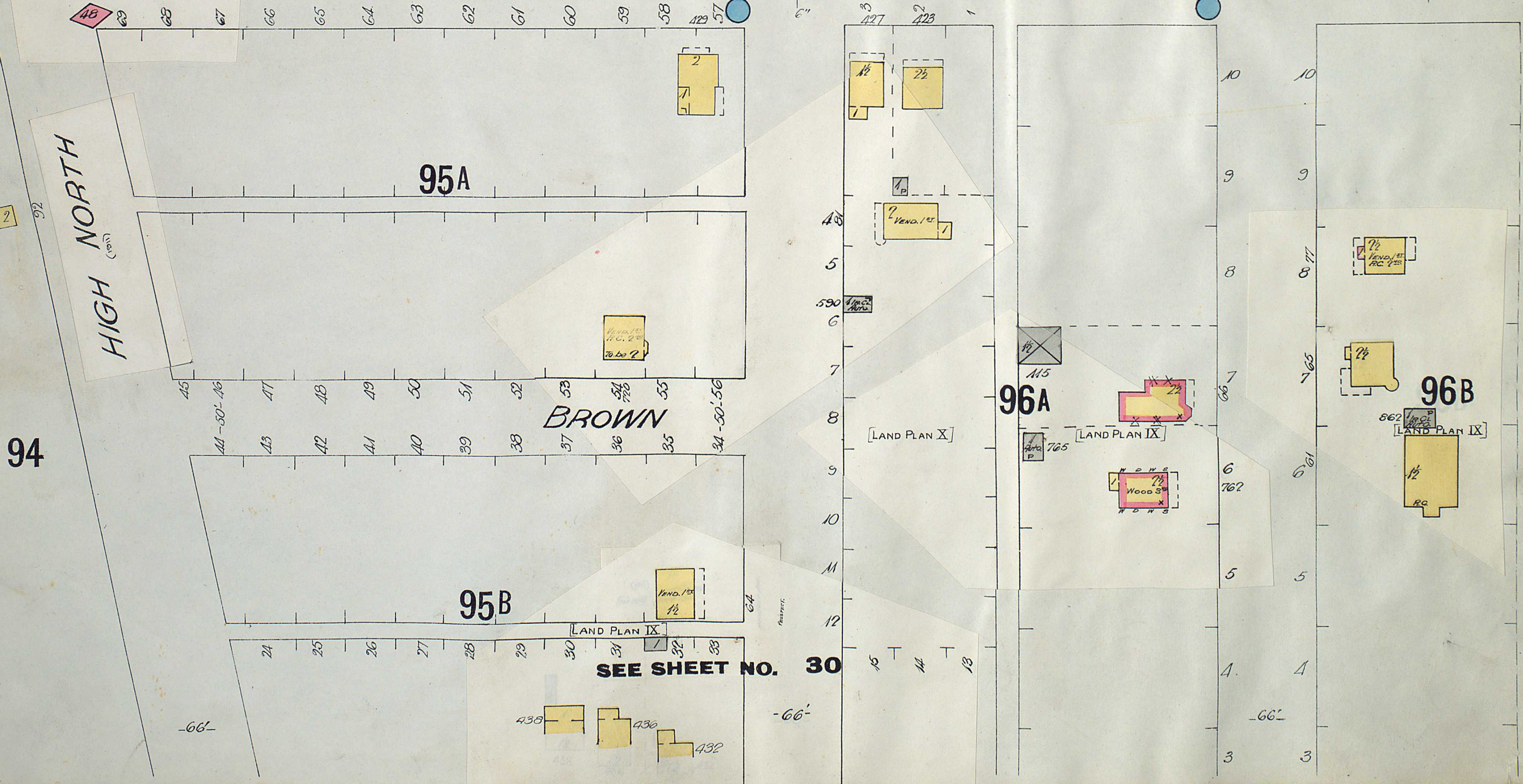
96A

96B

-66-

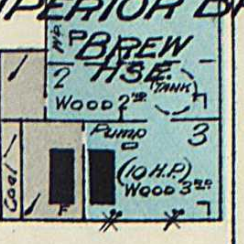
-66-

-66-



GUERARD SUPERIOR BREWING CO.

Power Steam
Light Oil
No Heat
100' H. Hose
Pump in Bk. Rm.

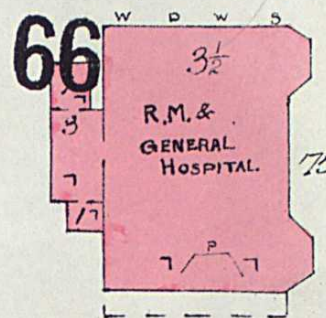


60 B



Creek

RIVER



66

[LAND PLAN V]

DAWSON

SCALE 50 FT. = 1 INCH

ALGOMA NORTH

87

ST. GEORGES

86

ST VINCENT

85

TUPPER

33A

[LAND PLAN II]

65

[LAND PLAN VII]

[LAND PLAN VI]

[LAND PLAN VI]

88

[LAND PLAN VII]

[LAND PLAN VI]

[LAND PLAN VI]

[LAND PLAN V]

[LAND PLAN V]

[LAND PLAN VI]

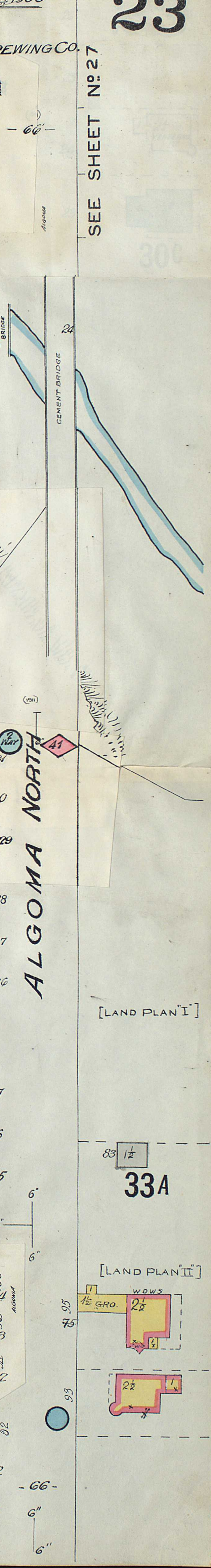
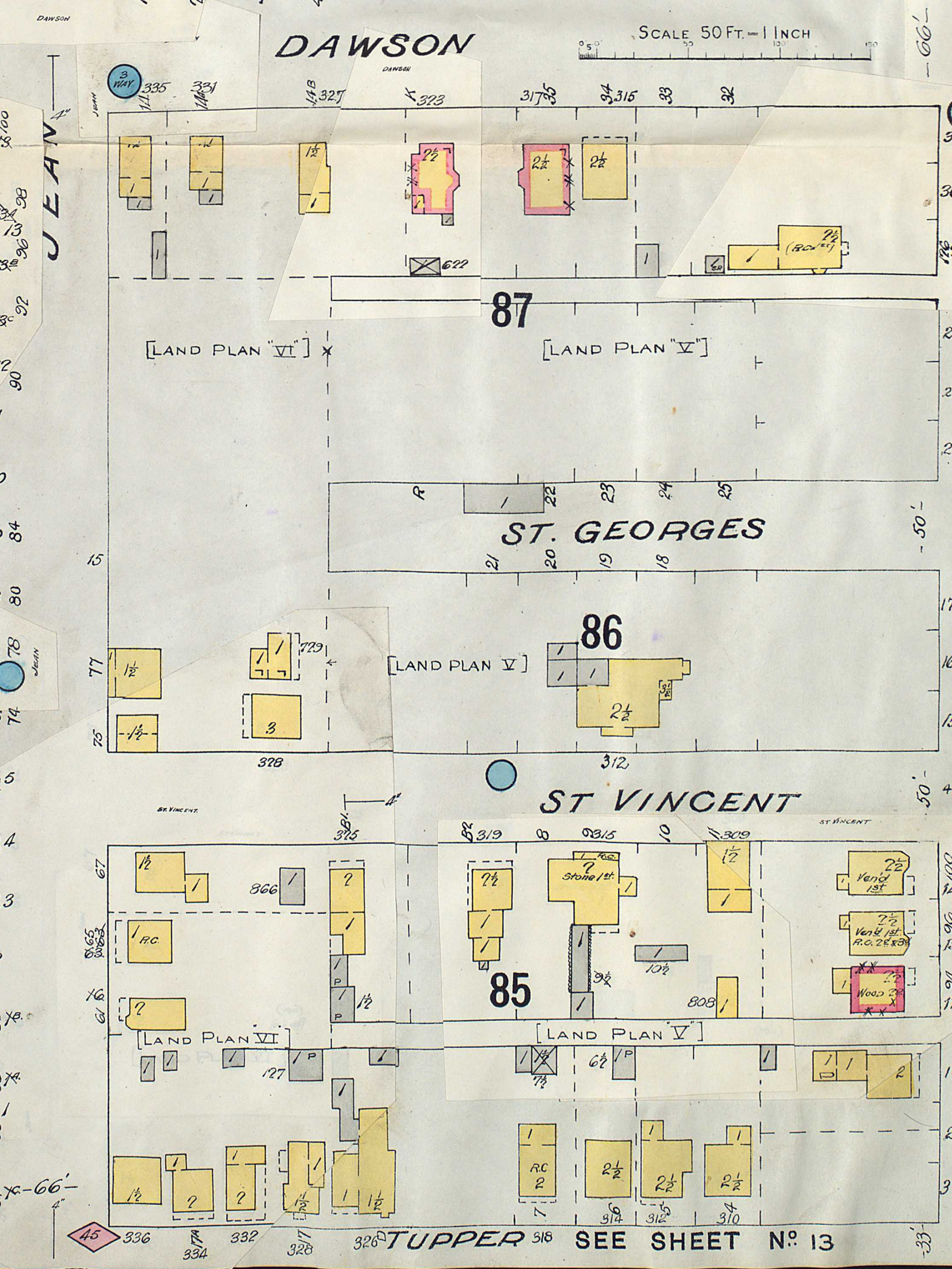
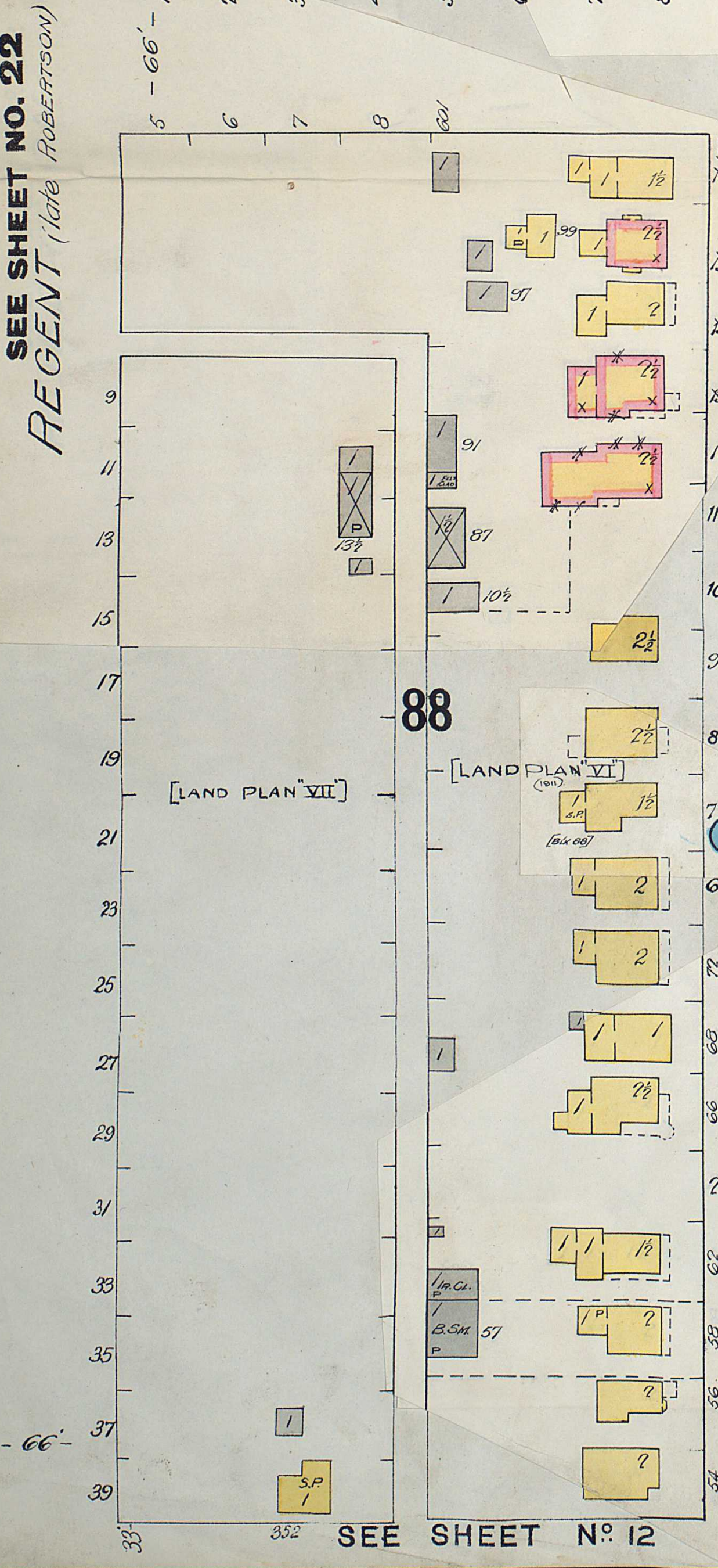
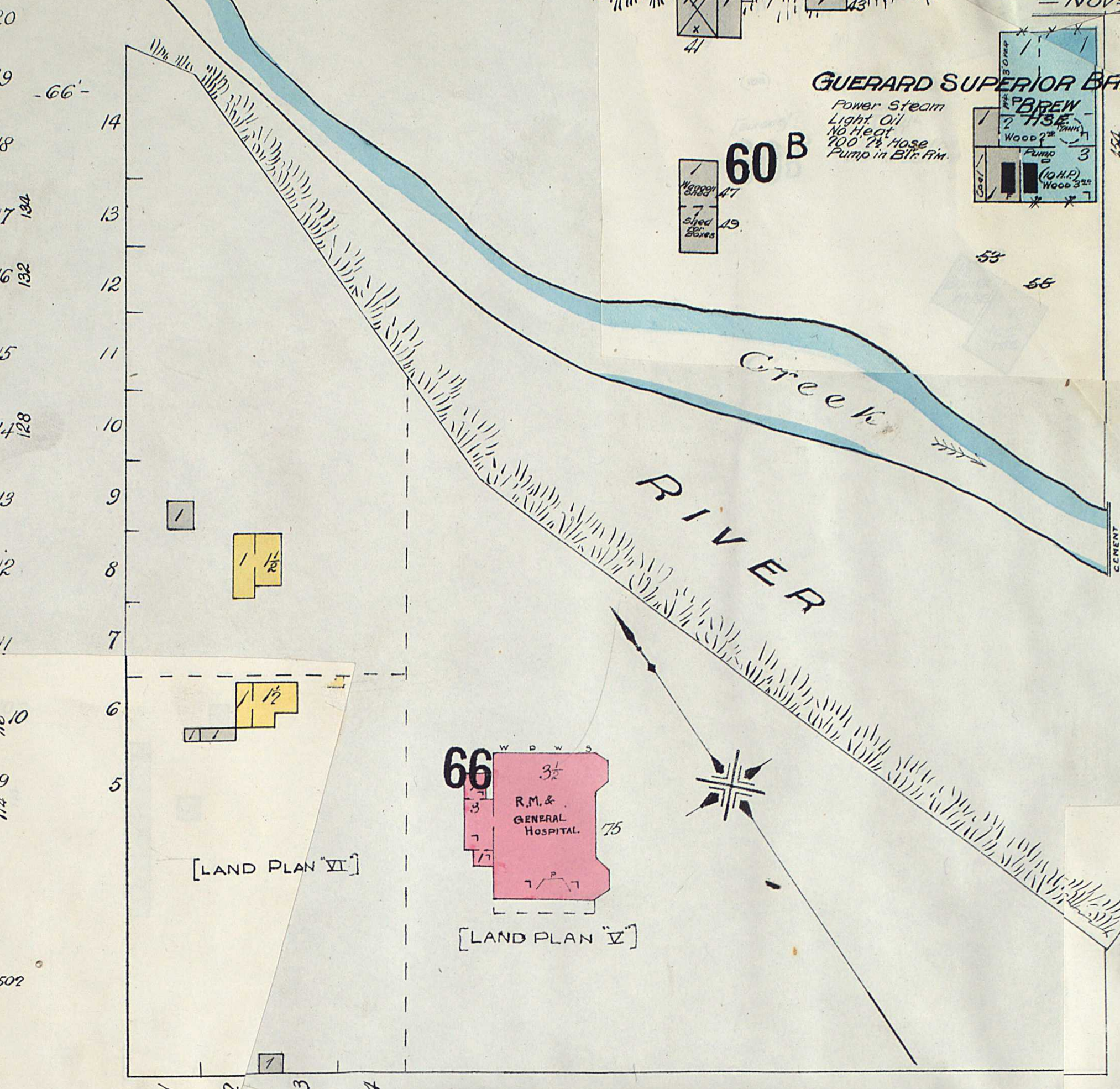
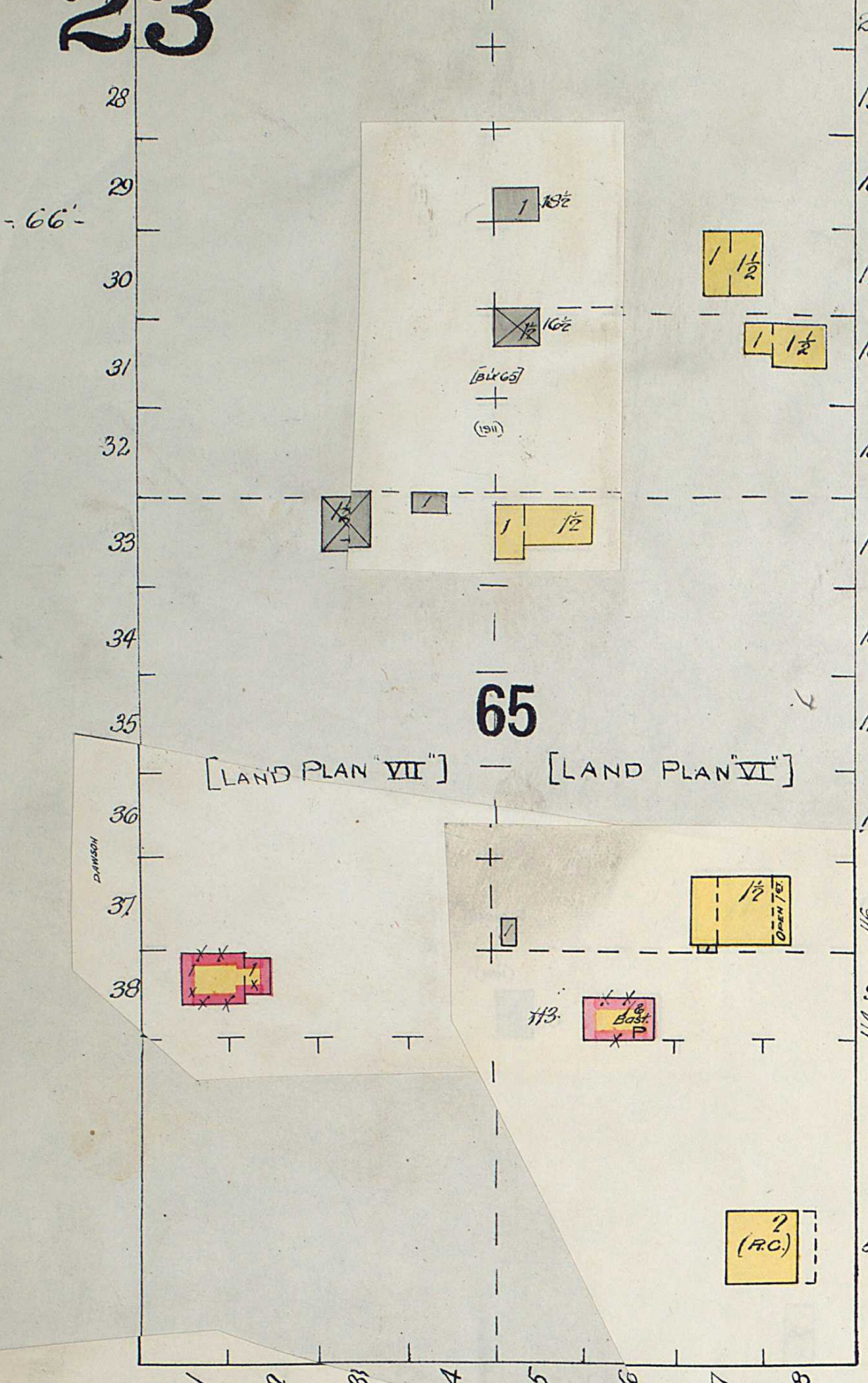
[LAND PLAN V]

SEE SHEET NO. 12

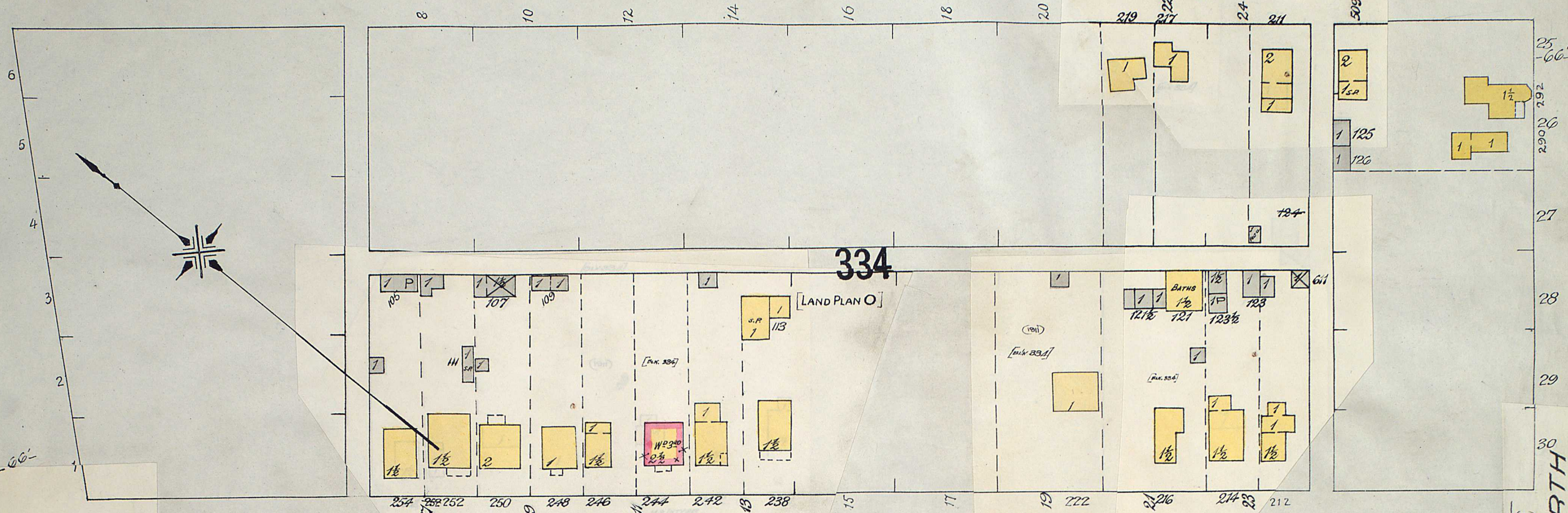
SEE SHEET NO. 13

SEE SHEET NO. 27

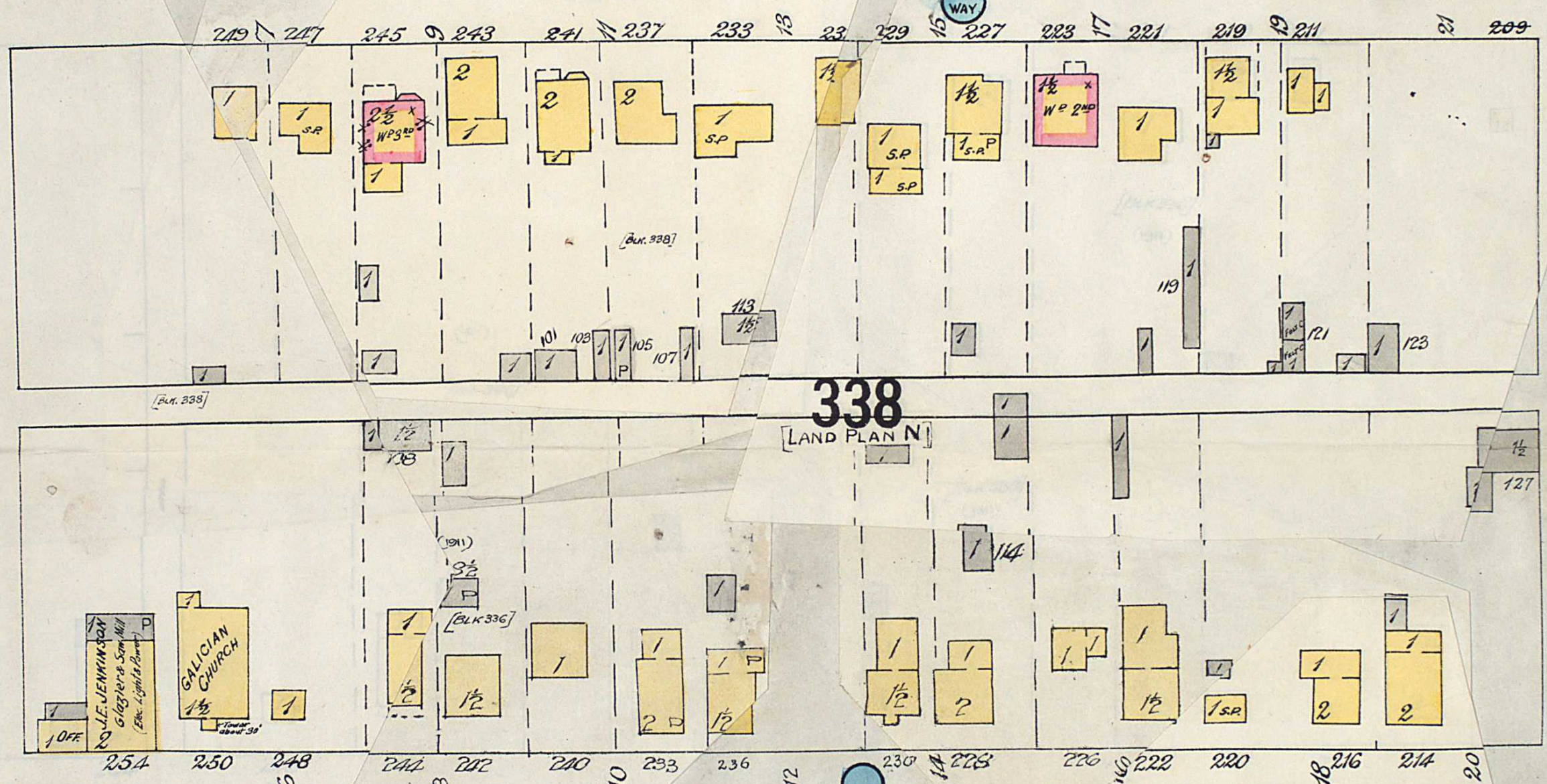
SEE SHEET NO. 22
REGENT (late ROBERTSON)



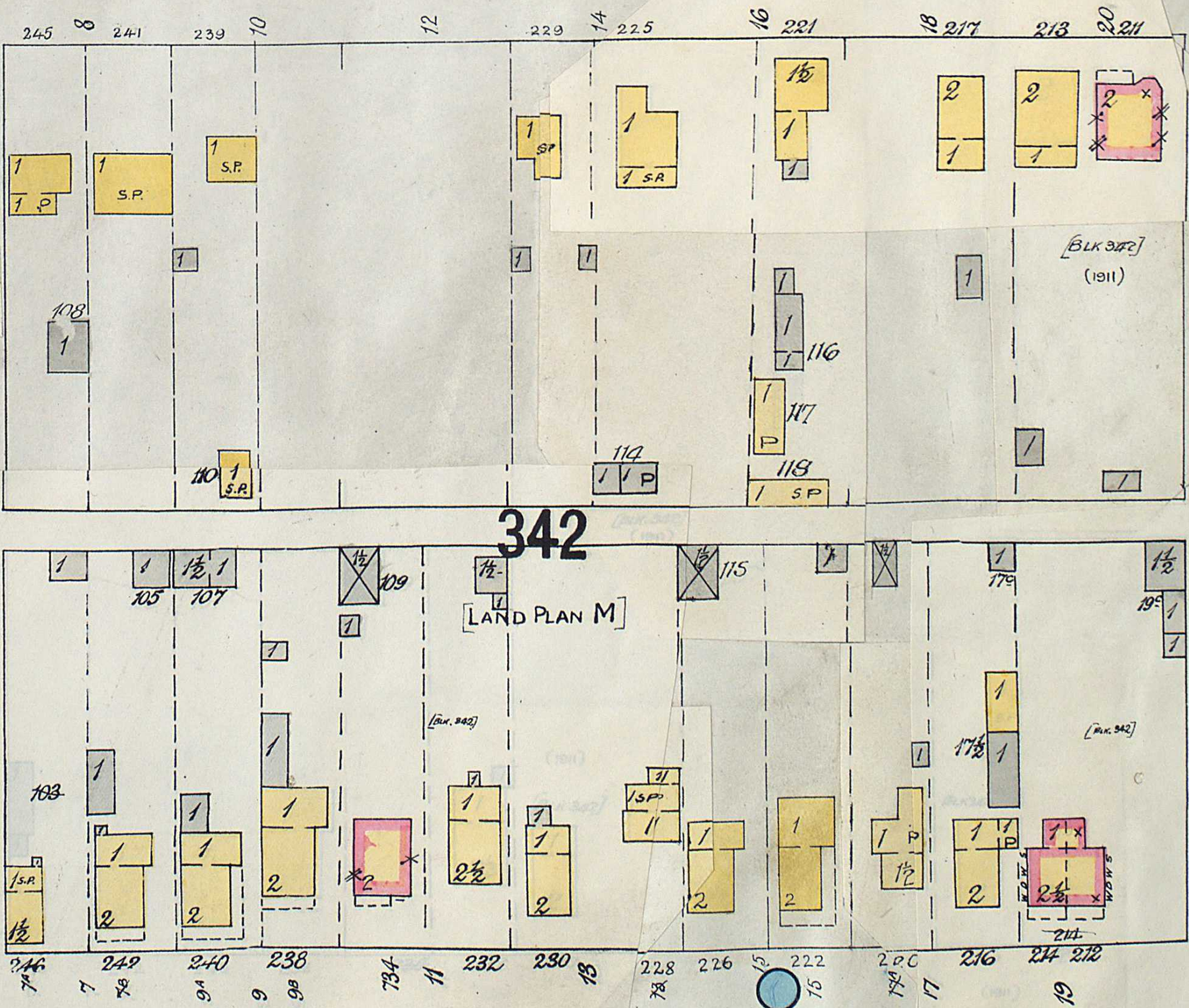
ANGUS



MCINTYRE



VAN HORNE



WOLSELEY

SCALE 50 FT. = 1 INCH

SEE SHEET NO. 11

SEE SHEET NO. 28

NORTH CUMBERLAND
SEE SHEET NO. 10

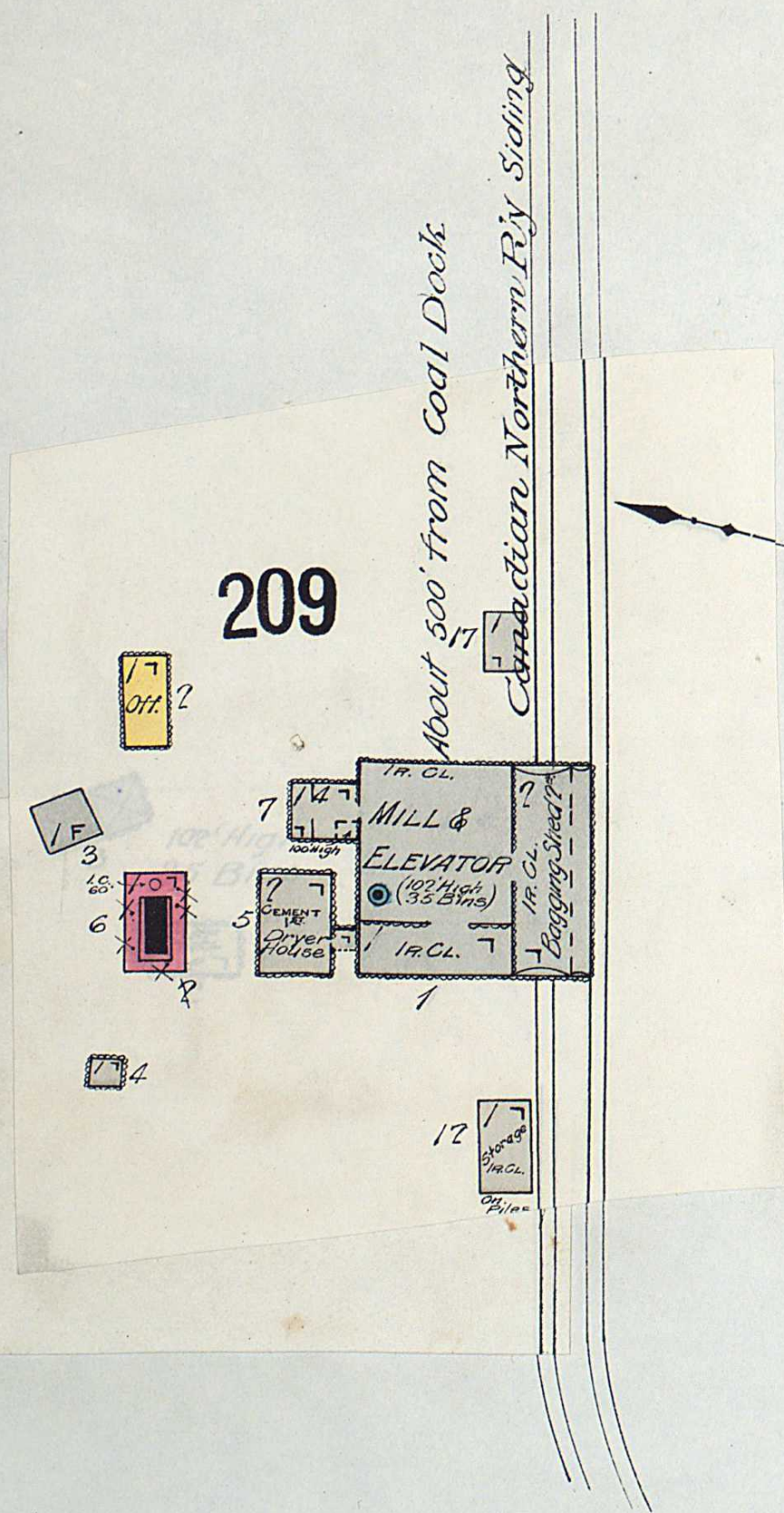
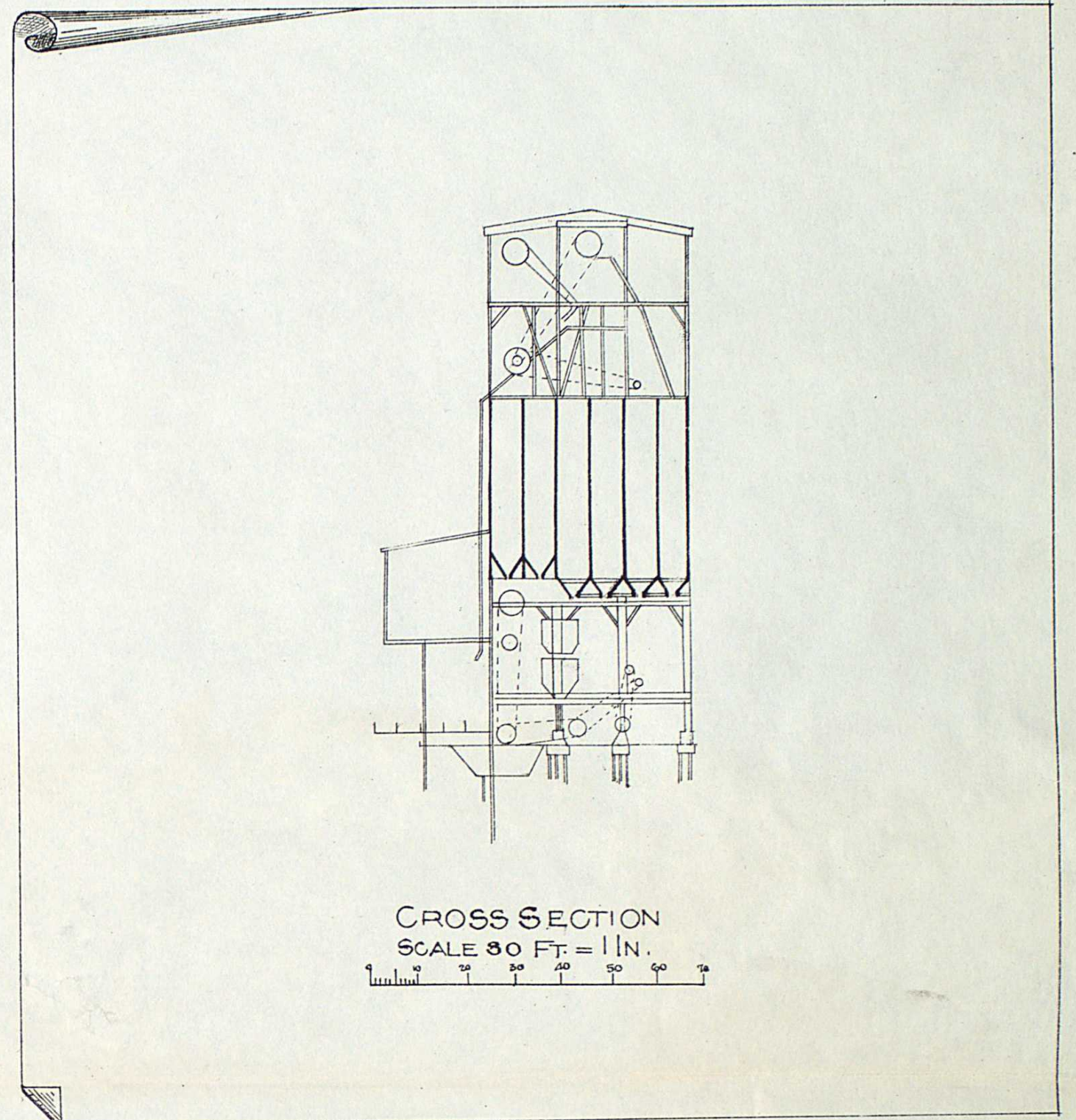
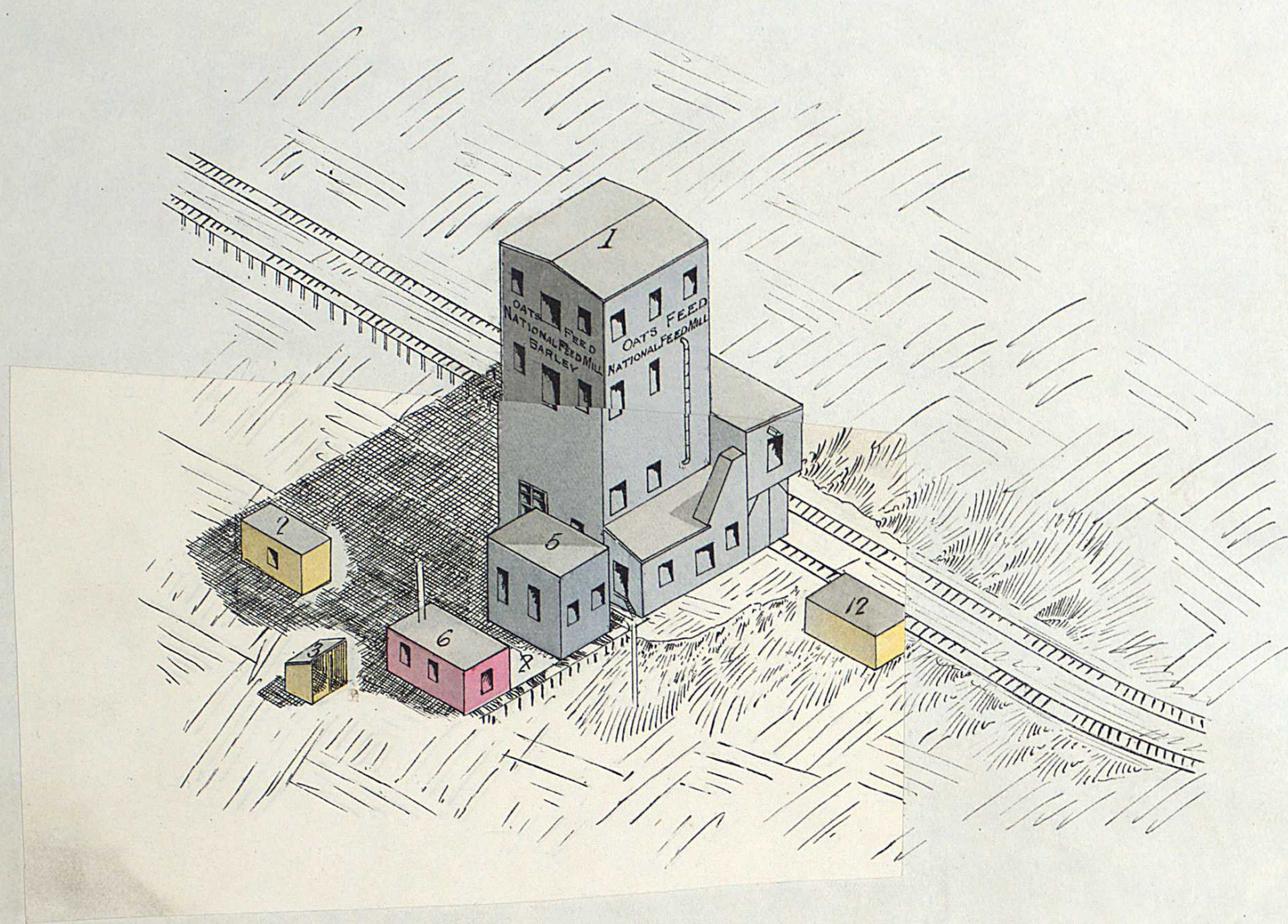
NATIONAL FEED MILL AND ELEVATOR CO.

- PORT ARTHUR, ONT. -
- EXT. N. JAN. 1911 -
(THIS SHEET IS S.S. NO. 226, ELEVATOR SERIES)

PORT ARTHUR, ONT.
Jan. 1911

- CHAS. E. GOAD -
- CIVIL ENGINEER -

- Montreal, Toronto & Winnipeg, Canada. -
- & London, England. -



SCALE 50 FEET = 1 INCH.

N.B. This being an Isometric Projection and to same Scale as Plan, Vertical Dimensions can be scaled from it.

NATIONAL FEED MILL
Sited Corner of King & Third Ave.
Capacity: 55,000 bushels
Wood Iron Clad Construction
Tar & Gravel Roof
POWER: Electric
LIGHT: "
3 cleaners on 1st
Attrition Mill & Feed Mill
Run double shifts.
S.P. & Hose Each Flat
Hydrant about 150' away
City Water Supply.
Watchman.

Note: FOR LOCATION, SEE KEY PLAN OF PORT ARTHUR

THUNDER BAY ELEVATOR CO.

—PORT ARTHUR ONT.—

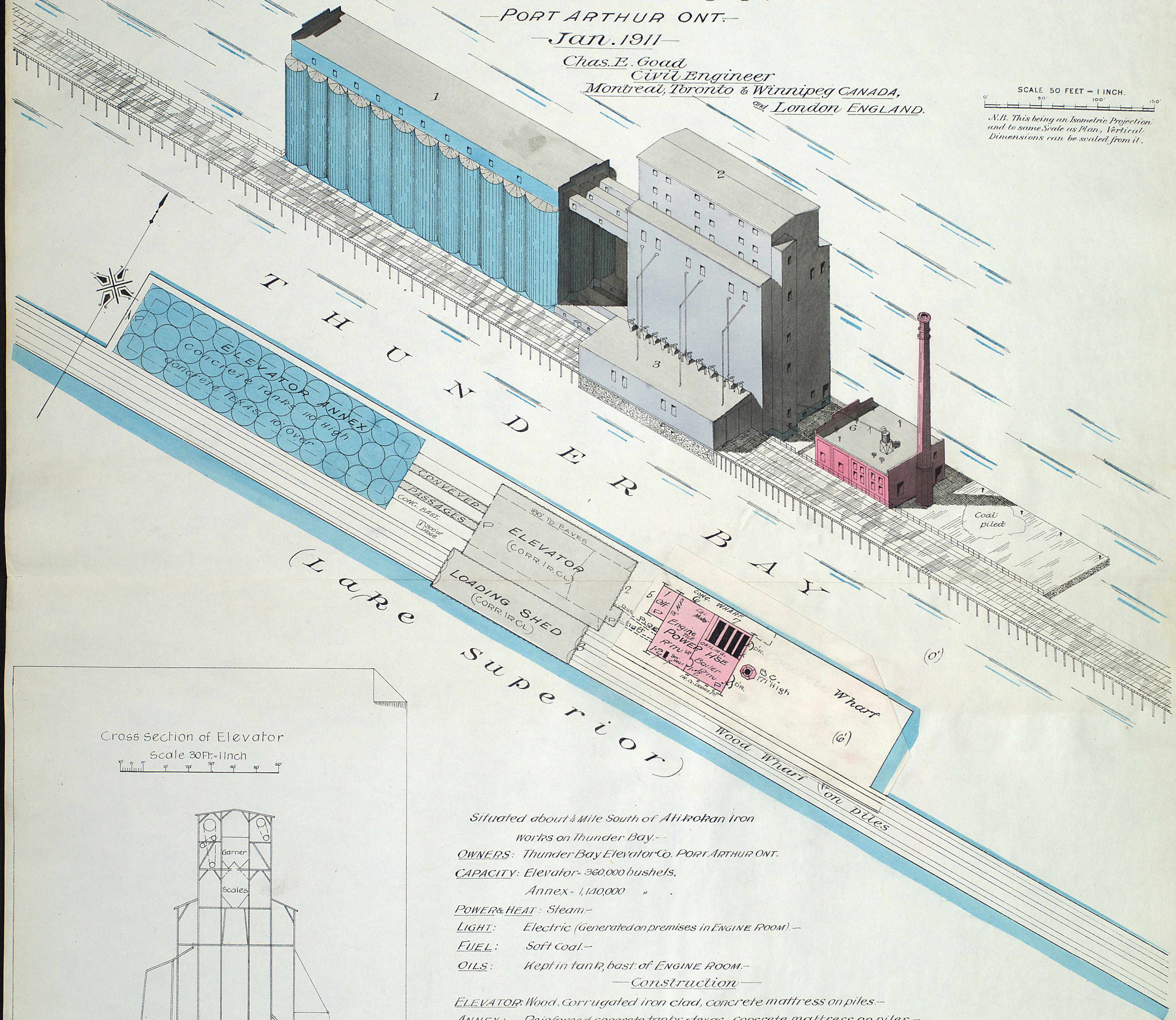
—JAN. 1911—

Chas. E. Goad
Civil Engineer
Montreal, Toronto & Winnipeg CANADA,
and London ENGLAND.

—PORT ARTHUR ONT.—
—EXTENSION JAN. 1911—
(THIS SHEET IS S.S. NO. 227 OF ELEVATOR SERIES)

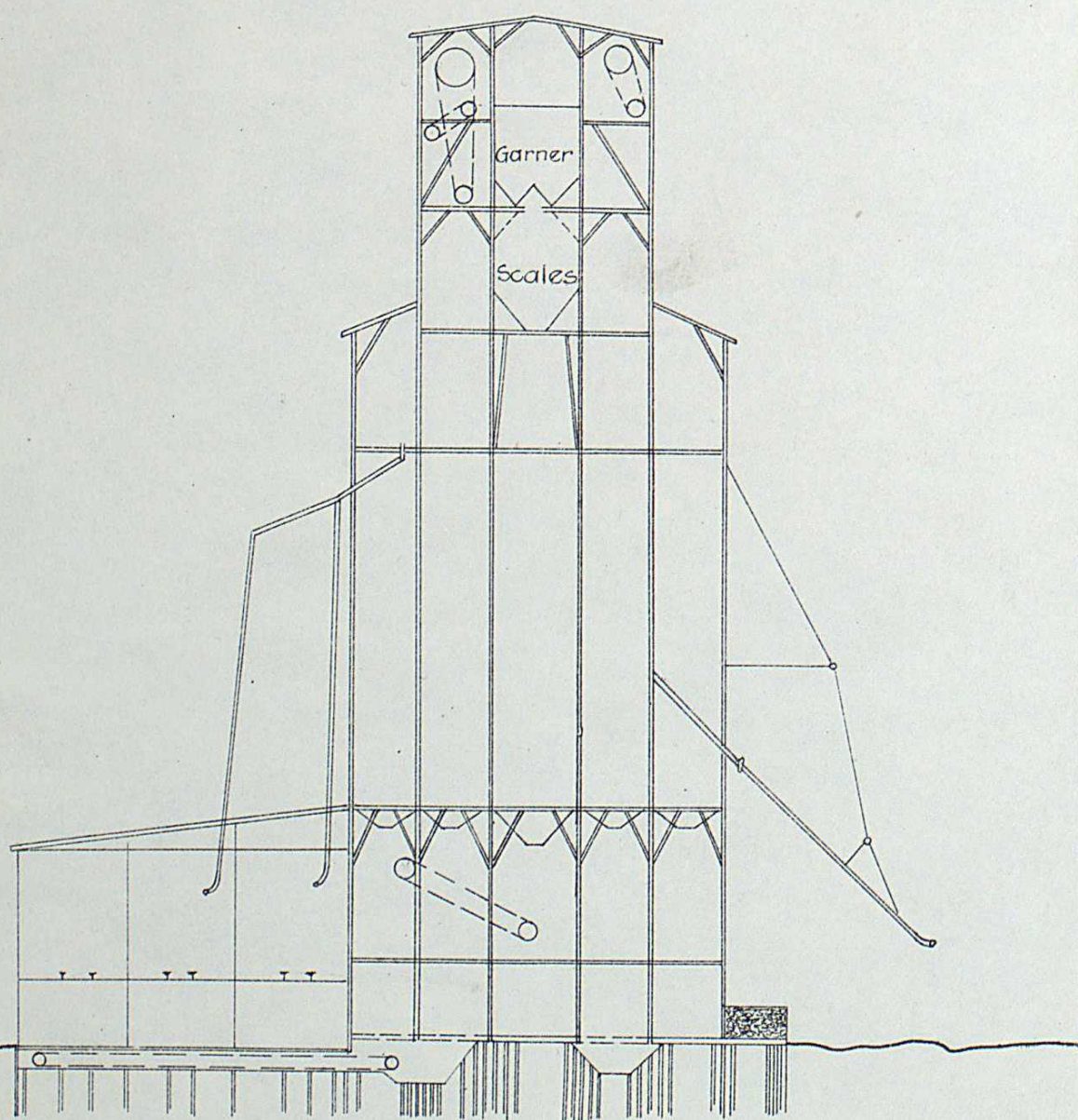
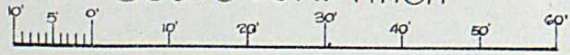
SCALE 50 FEET = 1 INCH.
0' 50' 100' 150'

N.B. This being an Isometric Projection and to same Scale as Plan, Vertical Dimensions can be scaled from it.



Cross Section of Elevator

Scale 30 Ft. = 1 Inch



Situated about 1/4 Mile South of Atikokan iron works on Thunder Bay.

OWNERS: Thunder Bay Elevator Co. PORT ARTHUR ONT.

CAPACITY: Elevator - 360,000 bushels.

Annex - 1,140,000 "

POWER & HEAT: Steam.

LIGHT: Electric (Generated on premises in ENGINE ROOM).

FUEL: Soft Coal.

OILS: Kept in tank, east of ENGINE ROOM.

—Construction—

ELEVATOR: Wood, Corrugated iron clad, concrete mattress on piles.

ANNEX: Reinforced concrete tanks & Texas, concrete mattress on piles.

POWER HOUSE: Brick, concrete floors, steel frame roof.

CONVEYER PASSAGES: 3 conveyers on conveyer floor are steel frame, corrugated iron clad, concrete floors.

3 conveyers in bast are concrete throughout.

ROOFS: All tar & gravel roofs.

CLEANING MACHINERY: 10 Cleaners on ground floor.

1 Cleaner on bin floor.

Dust collectors at each leg & garner.

—Protection—

Dry sprinkler system: (Tanks on top floor)

2 Stand Pipes, 2 connections each, G.O. of 2 1/2" hose.

Underwriters Pump, 1000 gal. per minute, Eng. Rm. 18' x 12' x 300' hose

Fire alarm boxes each floor

Watchman 7 o'clock, 20 Stations

For surroundings see Plan of PORT ARTHUR ONT. SHEET NO. 20

ARGYLE

ALGOMA NORTH

RIVER

347

348
(LAND PLAN H)

349
(LAND PLAN C)

McVICAR
SQUARE

McVICAR

BLOCK 348
30B

ALGOMA NORTH

EMMERSON AVE.

COURT NORTH

SEE SHEET NO. 11

NO EXPOSURES

60B

30A

30B

68
(LAND PLAN B)

HARRINGTON AVE.

ELGIN

SEE SHEET NO. 23

McVICARS

30C

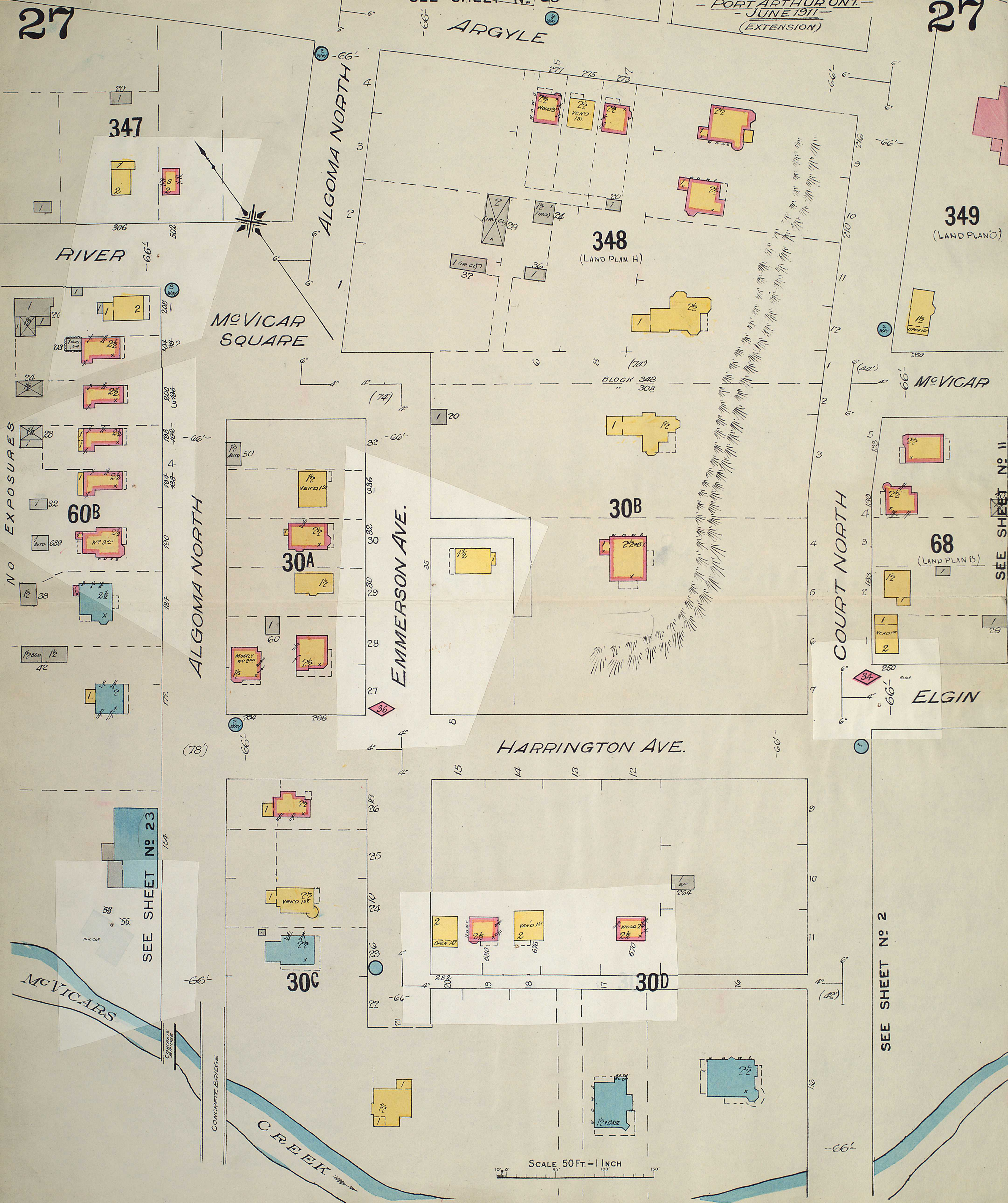
30D

SEE SHEET NO. 2

CONCRETE BRIDGE

CREEK

SCALE 50 FT. = 1 INCH



28

336

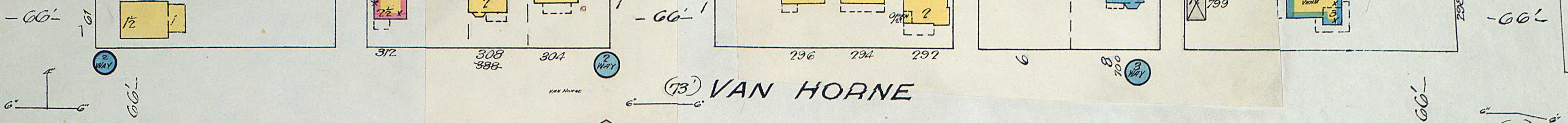
(LAND PLAN 4)

337

(LAND PLAN F)

PORT ARTHUR, ONT.
EXT. IN JUNE 1911
(EXTENSION)

28

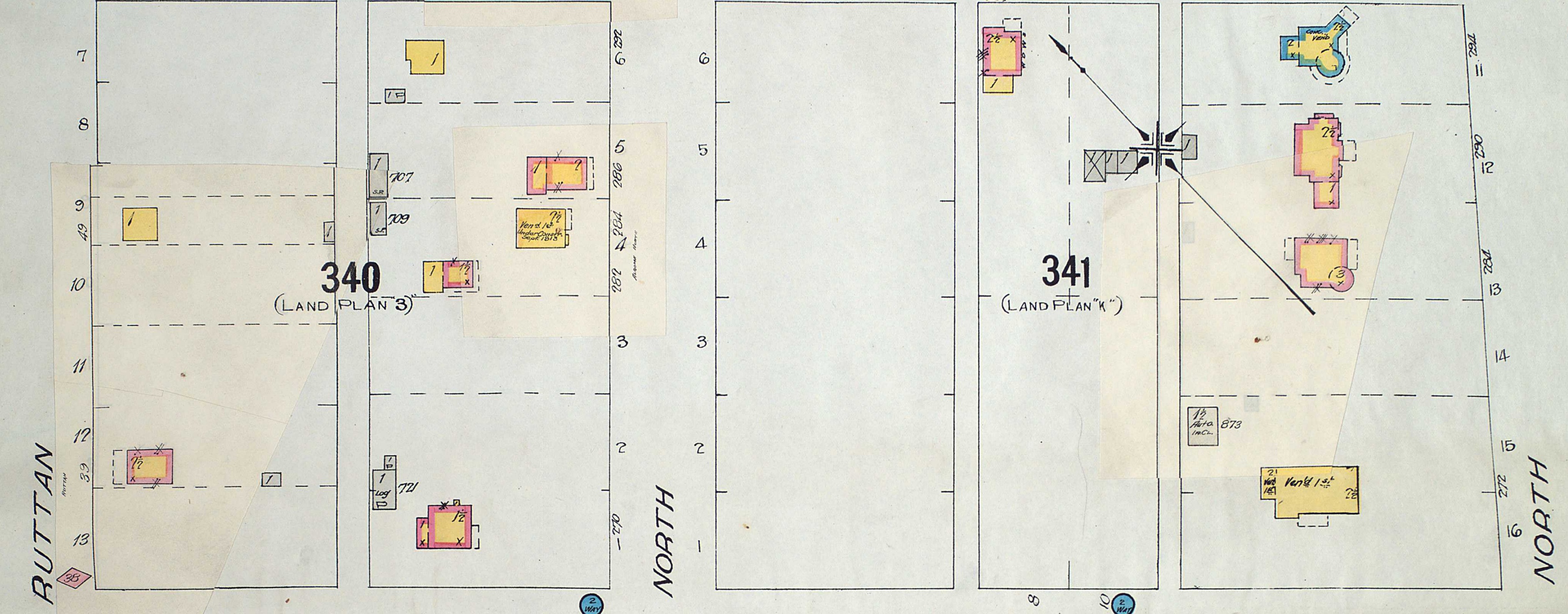


340

(LAND PLAN 3)

341

(LAND PLAN "K")



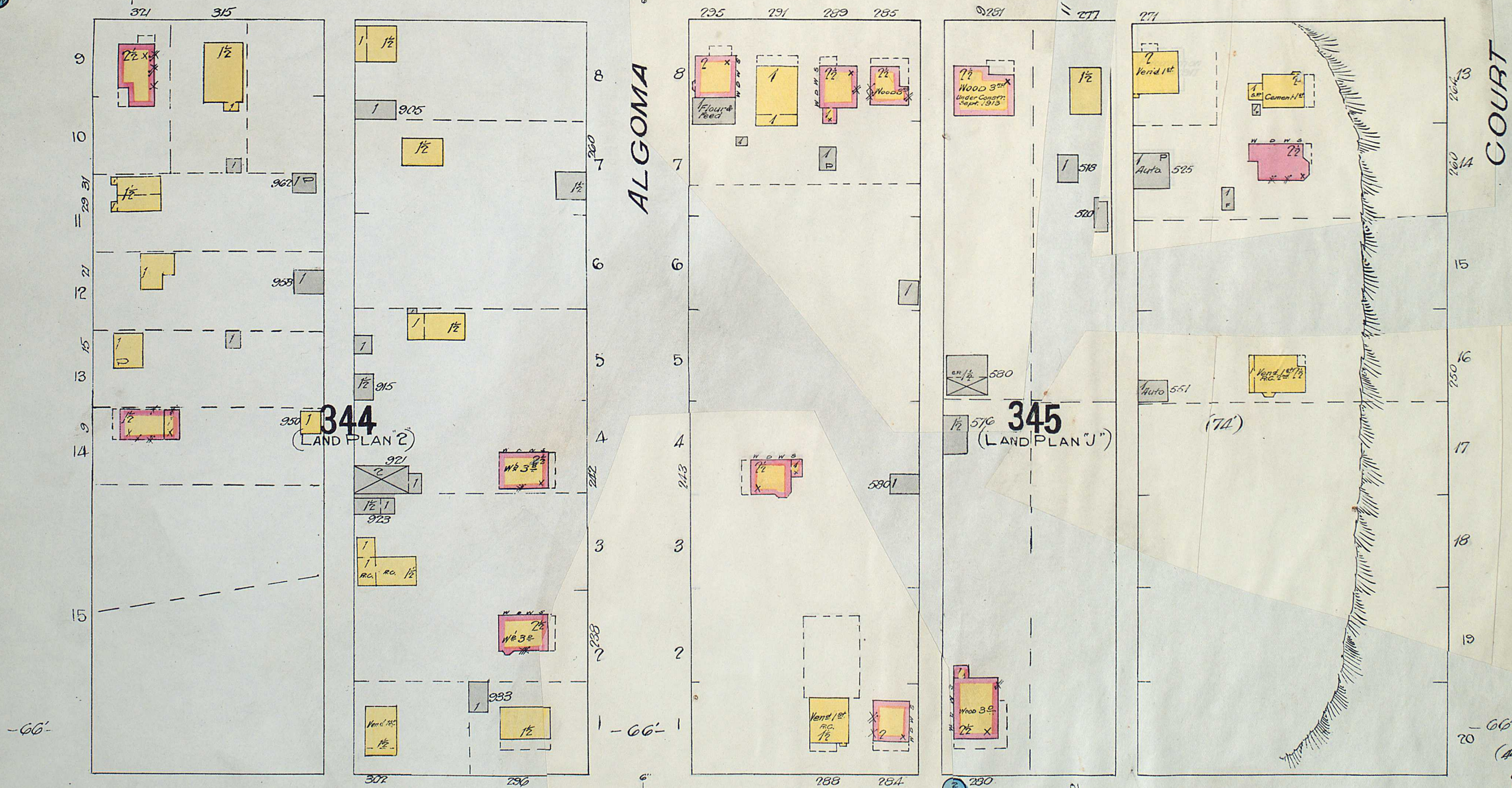
WOLSELEY

344

(LAND PLAN 2)

345

(LAND PLAN "J")



SCALE 50 FT. = 1 INCH

ARGYLE

SEE SHEET NO 27

SEE SHEET NO 24

SEE SHEET NO 11

