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Public Conveniences, Courtenay Place.

S C H E D U L E.

Item.

Amount.

Removing old urinal.

Lighting hoardings &c.

Excavation.

Concrete foundations & floors.

Concrete roof (including steel work)

Brickwork, including pointing.

Asphalte damp-course & roof covering.

Arkilite Floor.

Bluestone steps & pier.

Pavement lights.

File work, including cement backing.

Sanitary fittings (p.c. £124) at Wellington, together with work and material in connecting same.

Gas, water & plumbing work, other than the above.

Exterior & interior cement finish.

Wrot iron gates & cast panels & gratings.

Carpenters' work.

Painting.

Cleaning up & making good.

Provision.

Total amount of Tender =

Contractor's Name _____

Data

Acknowledgements

SPECIFICATION.

Courtenay Place at Taranaki Street,
in accordance with plans No 1898.

The site is occupied by a brick urinal, which is to be removed (together with its foundations) from the site, under this Contract. The iron stalls, and spray pipes, complete, will be retained by the Corporation, by whom they will be removed. All other material, excepting to the existing picket fence is to become the property of the Contractor.

The Contractor will be given possession of the site ^{after} ~~within~~ one month of acceptance of tender.

The Contractor shall take out a permit for the work and pay the usual fees and deposits, and comply generally with the City By-laws.

The sewage pipes (shewn in green) together with man hole and traps will be put in by the Corporation. The telegraph and electric light pole will be also shifted by them and the new reserve fence and path constructed by them. They will also do the wiring for electric lights and provide the lamps, switches &c. The Contractor must afford the necessary facility for the performance of these works, and build in necessary plugs for securing electric

light and other fittings.

Levels.

The present surface levels are shown in black and the new floor and entrance levels in green. These are to be worked from the B. M. in corner post.

Space for

Material.&

Damage.

The Contractor may stack bricks and other material on the South side of present reserve, out to the new kerb line, but must provide necessary and approved boarding to this area and elsewhere as required. The Contractor shall be liable for any damage to the trees or shrubs due to this Contract.

Provision.

Allow the sum of fifteen pounds (£15) for extra works, such sum to be deducted in whole or part if not required.

Schedule.

Tenderers are to price out the accompanying Schedule, which must be attached to their tenders.

Excavation.

Excavate to the required depths and properly level off and well ram foundations. Black soil to be deposited on the reserve where directed and other excavated material removed from the site. Timber faces of excavation if required and keep clear of water. Fill in and well ram against walls when built.

Materials.

Bricks to be well burnt and regular and facing bricks to be of good colour and of uniform size and equal to sample in Engineer's Office.

Bluestone steps and pier to be free from honey-combe or other flaws.

Gravel to be clean hard river shingle, of the sizes specified, with suitable proportion of smaller gravel.

Sand to be clean, coarse and free from salt.

Portland cement to be equal to British Standard specification, and to be submitted to the tests required by the Engineer.

Timber.

All timber to be heart wood, free from defects, thoroughly seasoned and wrought on all exposed faces.

Concrete.

Concrete for bottom layer of floor to be composed of 5 volumes of gravel to pass a $1\frac{1}{2}$ " ring, $2\frac{1}{2}$ volumes of sand and 1 volume of Portland cement. To be turned over twice dry, watered through a rose, turned over twice and carefully levelled off when in position and brought to a smooth surface for the reception of the asphalt.

Top layer of floor to be as above with a minimum thickness of 2", and left with a suitable surface for the Arkilite finish.

Concrete for roof to consist of 4 volumes of gravel to pass $\frac{1}{2}$ " mesh, 2 volumes of sand and 1 volume of Portland cement. To be mixed as specified for floors and filled in on approved T & G. casings, and graded to give a fall of 1" every way (minimum thickness 3"). To be brought to a smooth surface to take asphalt and to be reinforced as shown, with $\frac{1}{2}$ " round steel rods with coggled ends. Every second rod to be tied to cross rods with No 12 wire.

Strengthen cornice as shown with No 10 wire, with bonds every 12 inches. Underside of joists and tees to be covered with $\frac{1}{2}$ " mesh wire netting, to form key for concrete. Concrete roof to cupboard to be as for main roof, but without reinforcement.

Asphalte.

Damp course in floor and walls to be of approved mineral asphalt (Val de Travers or Trinidad) spread $\frac{1}{2}$ " thick over the whole surface. No cold joints to be made.

The whole of the concrete roof is to be similarly coated, but $\frac{1}{2}$ " thick, and the work brought to a hard even surface.

All asphalt work to be thoroughly watertight, and to be prepared and put into position by expert workmen.

Brickwork.

All walls are to be built in Flemish bond, with mortar composed of 3 volumes of sand to 1 volume of Portland cement, well flushed up at every course. All bricks to be well wetted before being used and all face joints to be $\frac{1}{2}$ ". All angles to be plumb and courses horizontal. Interior brickwork to be left rough for tiles and exterior brickwork to be finished with facing bricks. No snap headers to be used.

Form window heads with gauged arches as shown, and sills with bull nose bricks and also pier on half landing of entrance.

All brickwork to be banded with 1" galv. hoop iron, 18 gauge, every 2ft. in height and every $\frac{1}{2}$ brick in thickness of walls.

All joints of facing work to be raked back $\frac{1}{2}$ " and cleaned down with acid on completion, and pointed as directed with black cement mortar.

The walls of Attendant's room are to be carried to ceiling and also end wall of W.C. The ends of W.C. partitions are to be made up in concrete where bolts go through.

Stonework.

The pier at end of urinal range to have quoins of Footscray bluestone, rubbed with nosings of 2" radius. Beds to be punched. Joints to show not more than $\frac{1}{2}$ " and to be pointed up with black, cement mortar. Bond stones to be cut back $\frac{3}{4}$ " to clear the tiles.

The steps are also to be of Footscray bluestone, fine axed, with arrises true and with beds punched. Steps to bear not less than 1" on each other and to be carried on $4\frac{1}{2}$ " walls, but not let into main walls.

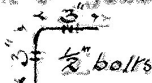
Arkilite.

The whole of the concrete floor, except under urinal range is to be covered with red arkilite, 1" thick, finished to an even colour, and to a regular surface, hard

and bright, and well rounded up as directed against all wall angles, fittings, &c. Floor of Stair cupboard to be similarly covered.

Steel Joists.

The roof is to be carried on rolled steel joists (Dorman Long or other approved manufacture) of the dimensions and weights figured. To be true and regular and to bear not less than 3" on wall walls. The 5" x 3" joists are to be secured to 6" x 5" joists with $\frac{3}{4}$ " knees with two $\frac{1}{2}$ " bolts, thus



at each joist end.

Prismatic

Lights.

Provide and fix in roof as shown 4" x 3" pavement lights. The two margin rows to be semi prisms and the remainder to be lenses. These are to be set in proper manner with cement in cast iron chequered frames and in all respects both lights and frames are to be equal to St. Pancras or Haywards.

Tiled Walls.

The whole of the interior wall surfaces within the lower gates are to be covered with white glazed tiles, 6" square, relieved with coloured tiles as shown and to be selected. Curved tiles to be used for all angles. All tiles to be equal to sample in Engineer's Office, to be $\frac{3}{8}$ " thick with approved rough backs. Tiles to be set true and regular, on a $\frac{1}{2}$ " backing of 1 to 1 Portland cement. All joints to be closely fitted, cleaned off on completion and pointed with Keene's cement. Tiles to break joint and those in coloured bands to be not more than 9" long. Tiles to be neatly cut and rubbed where necessary. The front and top of gas stove recess to be similarly tiled.

Doors.

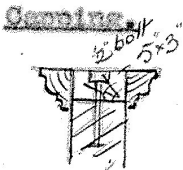
All doors (except to Stair cupboard) to be 2" thick, four panelled, without moldings, but with frames chamfered, thus . To be hung with 4" brass butts to 4" x 3" rebated and chamfered frames, and fitted for W.C's with automatic locks and springs to be

provided by the Corporation.

Provide and fix approved brass cabin hook and eye for each W.C. door. Door to Attendant's room to be as above, but full height of opening and fitted with lock and furniture p.c. 7/6.

Door to stair cupboard to be $1\frac{1}{2}$ " thick, two panelled, in other respects as above described, and fitted with lock p.c. 4/6.

The top of $4\frac{1}{2}$ " brick partitions is to be finished with kauri molds to further detail, secured to kauri plate, which is to be bolted down to brickwork every 5ft.



Windows.

Sashes to be red deal, ovolo molded, 2" thick and fitted with brass friction rollers, and brass bolts, and to slide in 4" x 5" red deal frame, with necessary beads. Glaze with tinted Muranese glass to be selected, properly puttied, and protect windows with $\frac{1}{2}$ " mesh galv. wire netting, in 2" x 1" red deal frames, screwed to window frames as directed.

Cupboard.

Cupboard in Attendant's room to have $1\frac{1}{2}$ " plain panelled doors, hung folding with 5" brass butts in $1\frac{1}{2}$ " beaded linings and fitted with lock &c., p.c. 5/-. To have 1" false floor, 1" T & C ends and back, and $1\frac{1}{2}$ " top in one width with rounded nosing. Put two 12" x 1" shelves in cupboard, and 6" plinth at bottom. Fit two drawers, complete with locks and furniture p.c. 5/6 each drawer. All to be of kauri.

Meter Box.

Meter box to be enclosed with 1" kauri. Top to have rounded nosing. Door to be ledged and hung with brass butts and fitted with brass cupboard latch.

Louvres.

Frames to be 5" x 5" beaded totara, with 1" bead to cover joint with tiles. Louvres to be of $\frac{1}{4}$ " rough plate, 5" wide.

Cast IronPanel.

Allow for six of these to be fixed in front of
louvre. To be of cast iron $\frac{1}{2}$ " thick, to further detail
cast true and clean and provided with lugs for securing
to brickwork.

Lamps.

The two lamp standards are to be of cast iron, $\frac{1}{2}$ "
metal, to further detail, clean and true and free from flaws,
and fitted with wrot frame with door prepared for glass
panels, and ornamental top. Each lamp to be secured with
four $\frac{1}{2}$ " bolts to concrete roof. Glaze with 8102. clear
sheet with name MEN embossed as directed on one frosted
pane in each lamp.

Floor Gratings.

The two channels at foot of steps are to be
covered with approved cast iron gratings, $\frac{1}{2}$ " thick and in
two lengths. To be cast clean and true and then galvanised.

Gates.

Fix where shown wrot iron gates. All work to be
clean, true and regular, and rivet heads to be neatly snapped.
Tops of bars to be pointed. The bars are to be pinned
through top and bottom rails. An approved galvanised bolt
is to be rivetted to each gate and fitted with padlock
p.c. 7/6 each. Set in wall approved socket for each top
gate and drill 3" x $\frac{1}{2}$ " bar to take bolts and hinges of
lower gates. Top hinge of gates to be made thus
and bottom pin to turn in cast iron socket leaded into
stone steps. Set against wall at both ends of each lower
gate a 3" x $\frac{1}{2}$ " bar as shown, each anchored with four $\frac{1}{2}$ "
round headed bolts.

Provide and fix approved $\frac{1}{2}$ " wrot iron wall hooks
and eyes for each top gate.

Gas Stove.

Lay on gas from meter to recess in Attendant's
room and fix stove p.c. 22, with 5" flue of 22 gauge
galvanised iron, built in brickwork, and carried 3" above
roof and finished with hood. Connection to gas stove to be

of brass piping.

Water Service.

Lay on water from existing service in $\frac{3}{4}$ " galvanised screwed iron piping with $\frac{1}{2}$ " branch to each urinal cistern (two) and to each W.C. cistern, and lavatory basin and $\frac{3}{4}$ " to stand-pipe in cupboard and fit latter with $\frac{3}{4}$ " approved brass H.P. hose tap.

All cisterns to be controlled by $\frac{1}{2}$ " H.P. stop cocks. Pipes to be kept outside as far as possible and where showing inside to be well coated with bronze paint.

Terminal Vents

Fix where shown 3" vents of 22 gauge galvanised & Flush Pipes iron to connect into lamp standards.

&c.

Connect up each W.C. with $1\frac{1}{2}$ " polished brass flush pipe, with brass couplings.

Closet vent openings to be sealed up with white enamelled stoppers. Pedestals to be connected up with polished cast brass sleeves, 4" long as directed and joint made with bitumen.

Provide and fix the undermentioned fittings, erected ~~fixed~~ complete and in accordance with the sanitary By-law:

One "Federal" Range of 8 urinal stalls with backs, bases, and channels in one piece (for each stall), heavy moulded fireclay cappings, fluted fireclay treads, copper down pipes, two gun metal outlet grates to channels, complete with two automatic 4 gallon fireclay cisterns with brackets. See illustrations in J. Tylor & Sons' Catalogue page 103.

Three "Garden" Closets (No. 5) in massive fireclay white glazed inside and outside, with shaped teak slips (in lieu of seat) with 3 gallon patent silent "Column" syphon white porcelain cisterns, brackets. Copper chain and pull. See J. Tylor & Sons' Catalogue page 16. ("P" traps)

One "Morecambe" Lavatory Basin in white fireclay, length of sides 19", total width 25", basin $14\frac{1}{2}$ " by 12" with

overflow, $\frac{1}{2}$ " supply valve lettered "Cold", $1\frac{1}{2}$ " washer and vulcanite plug with staple and chain, and lugs for building into wall. See J. Tylor & Sons' Catalogue page 48 Figure 69/36.

Allow the sum of (£184) one hundred and twenty four pounds p.c. Wellington for the above, which are to be of the best quality and in perfect condition and in thorough working order, and to be purchased where directed by the Engineer on behalf of the Corporation. All cisterns, taps &c. are to be tested at the Corporation Yard, Clyde Quay and stamped as required in the By-law.

Basin Waste.

Connect to lavatory basin with $1\frac{1}{2}$ " polished brass waste above floor and $1\frac{1}{2}$ " galvanised screwed iron under floor discharging ^{into} ~~over~~ P. trap outside Attendant's room where shown.

Down Pipes.

Fix where shown two 4" x 8" cast iron down pipes, of $\frac{3}{8}$ " metal, with cast heads to match cornice and necessary fastenings and lead same to water channel in 5" glazed socketted earthenware pipes jointed with cement composition.

Plastering.

The ceiling is to be finished smooth and true and of good colour with $\frac{1}{2}$ " of Keene's cement.

Form circular headed recess for gas stove in cement with chamfered opening.

The exterior work coloured yellow on elevations to be finished with cornice to further detail and with the flush bands shown in $\frac{1}{2}$ " of composition, 2 volumes of sand to 1 volume of Portland cement. Finishing coat 1 volume of white sand to 1 volume of Portland cement, finished smooth and of good colour.

Ceiling and walls of stair cupboard to be similarly rendered and roof to be rendered with Medusa cement added to compo as directed, and a further rendering of composition $\frac{1}{2}$ " thick on top of this. The Medusa will

be supplied by the Corporation.

Painting.

The whole of the interior woodwork including cupboard is to be primed, stopped and then painted one coat of white lead and oil and two coats of approved enamel paint.

The whole of the gates, lamp standards, down pipes, cast panels pavement light frames and louvres &c. are to be primed, and then painted two coats of white lead and oil colour.

Cleaning up &

Making Good.

On completion of this contract the work is to be left clean and sound in all trades.

Date for

Completion.

The date for the completion of the works shall be three (3) calendar months from the date on which the Contractor is given possession of the site.

Progress

Payments.

Payments will be made every four weeks at the rate of 70% of the value of the work done (see Clause 27 & 28 of General Conditions), the balance to be retained as mentioned in Clause 27.

Penalty &

Maintenance.

The penalty for the non completion of the work within the specified time shall be one pound (21) (per day). See Clause 18 of General Conditions. The Contractor shall maintain the whole of the works for two calendar months from the date on which the Engineer certifies that the Contract has been completed (See Clause 22 of General Conditions).

A.M.I.C.E.,

7th September 1910. City Engineer.

NOTE.

Fix on each door an approved coat hook, p.c. 1/- each.