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Public DEPARTMENT.

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31st August 1871.

Read the following:—

No. 178. Notes and Suggestions regarding the works in the Chepauk Park, by the Hon. W. ROBINSON, C.S.I., Member of the Board of Revenue, dated 10th August 1871.

This road has been completed forty feet wide, and drained on the south side; but I have not pitted out for avenue trees on either side, or for wood and clumps. The north side will be treated when the Senate House is finished, and the south side when the Scholar-Sergeant bachelor quarters are removed.

I have omitted to pit for avenue trees even on the south side, because I think that a double avenue of trees would be out of place here. The avenue does not face any building, and it would eventually tend to separate too definitely the group of buildings—the Senate House and Chepauk group—at this end of the Park; to narrow their respective vista, and to obstruct the view of the Senate House to persons coming along the beach road from the south, and that of the Chepauk buildings to those approaching them from the north side of the same road.

I think that the sea-face line would be sufficiently broken and the necessary foliage provided by forming a wood of Portias and other hardy trees, say 100 feet long, on either side of the Sea Gate and about sixty or seventy feet deep, to cover a ledge, and under the shelter of this clump, throw out a few standard trees in the direction of the Chepauk buildings, &c. Such an arrangement would give an effective entrance to the Park, and shelter trees planted in the near vicinity of the Senate House.

The south terrace is 120 feet wide including gardens, the part gravelled, &c., being forty-three feet broad. The west terrace (scarcely raised) is 100 feet wide. The whole has been blocked out and nearly finished. But the north-west corner has not yet been gravelled (bricks have been laid but no metal will be required over this part) to give the filling-in time to settle, as the work was done in the hot weather. The gravelling should be done after the first heavy fall of rain. The west terrace must be gravelled too.

I would recommend that a neat coping of Cuddapah slab, eighteen inches wide and neatly rounded off or splayed at the edge, be laid along the top of all the walls. Along the outside wall I would run an iron chain, loosely hung, supported by cast iron supports of substantial kind (two feet high and widening towards the base) set twenty feet apart. This should be done at once along the wall which abuts on the tank. Shrubs in large pots might be set at intervals along the west end of the north terrace and along the west terrace; and Rangoon creeper and other hardy green creepers should be freely used along the edge of all the terrace outside and below the walls, they will rise over.

Estimate.—Say of Cuddapah slab...
of cutstone

Rs.

at the edge, be laid along the top of
all the walls. Along the outside wall

III.—Main approach to the Chepauk buildings from the town gate entrance, including the wide avenue and north and south branches leading down the terraces. Length of main avenue, 600 feet. „ „ each branch (including the quadrant), 350 feet.

A semi-circle of 100 feet radius (from the centre of the gateway) has been provided in front of the main entrance.

The existing gateway is not quite parallel with the Chepauk buildings which

it faces, and the perpendicular line from the centre of the building falls about fifteen feet to the north of the centre of the gateway. The straight line from the centre of the arch intersects the perpendicular from the building about 100 feet in front of the former, and this has been adopted as the spot from which the centre of the avenue starts. The avenue is, therefore, not quite in the straight of the gateway, and there is a slight angle to be hidden. Again, the south avenue towards the central oval and College abuts on the gateway at an inconvenient angle, and a sweep is required after passing the gateway; and, further, I hope soon to see that ugly, rubbishy, and non-descript Tamil-maistry structure, the huge

gateway, will be sold for the old materials and a neat cutstone pillar'd entrance, with lodge, substituted for it. To neutralize the existing defects, to provide for suitable approaches and for future hopes, I have given a wide open space after entering the Park.

N.B.—The new entrance should, I think, stand about twenty feet in advance of the existing structure, face precisely the Chepauk buildings, and be in line with the west boundary wall and fence. This would give a nice wide space at the angle of the streets; and require but slight change in the approach outside.

The only part of this system of approaches which is unfinished is the part of the south branch beginning from the entrance on the west terrace to the tower. This may be completed when the tower is opened and should occupy the whole straight space assigned to it in the plan; for it is clearly desirable to have as long a front approach as possible to so marked a feature of the group of building as the tower. Indeed, the straight approach to the tower would have been much longer than is now contemplated, but for the desire not to curtail the cricket field.

One more point requires notice, and it is important with reference to the treatment of Parterre A. The north branch of the approach is fourteen feet nearer the centre line of the building than the south branch. The centre of Parterre A is, therefore, not in a line with the main avenue—a slight irregularity which must be kept in mind in laying out the Parterre.

A road, 30 feet wide, has been laid out from the north approach straight along the Tank (B) bank to about the middle of the tank. Here the Senate House road line curves round towards Tank A and the sea to join the remaining portion of a road which was laid out

No. IV.—New road round to the back of the Senate House with branch to the stable. Distance to Senate House say 600 feet. Branch to the stables by 200 feet.

some years ago in the same direction. Mr. Chisholm has kindly laid out a correct curve to guide in the disposition of the clumps and woods; but no expense need be incurred on the curve until the Senate House is built. Up to the commencement of the curve, however, the earthwork of the whole width of road, and beyond it to

near the site of the stables; the stables road, 24 feet wide, have been undertaken and the earthwork completed. It was necessary to do this as the requisite earth had to be removed from the tank bank before it was turfed. The metalling and gravelling have been left till rain shall have fallen in sufficient quantity to secure even settlement, when the stables road should be completed throughout.

This stands as it was. But both sides have been partially pitted out for a wider avenue of other trees to replace the Casuarinas should they be removed. I should myself certainly break the avenue,

No. V.—Government House Road. Distance 850 feet.

from about 300 to 350 feet about half way down, so as to give it more of a Park road character, and trust for amenity to more distant tree effects. On the south-west side, for instance, to the Neem trees on the main approach (No. III.) and clump at the angle and to the wood round Tank C. On the east side the Mangoe trees round Tank B, and the stables and the beautiful dates and other foliage in Government House Park should supply distant effects. A few standards and clumps on the glades on either side would complete the effect.

A narrow road (VI.) has been carried up to the back of the pavilion. I think that a neat terrace of say twenty-feet all ways, should be raised round the building and be gravelled; but no material is

No. VI.—From the main Avenue No. III. to the Cricket Pavilion. Length 300 feet.

forthcoming until the adjacent tank is taken in hand. In re-sloping and cleaning out this tank, I would use some of the earth removed in finishing off this work.

The Cricket Club should be requested to put the building in Mr. Chisholm's hand to have the tower raised, &c., as he suggests. For Rupees 1,000 great improvement in appearance might be effected.

I have pitted out for trees round the back of the building.

This road (VII.) had been formed before I had to do with the Park. It has been pitted out for an avenue of small-leaved Banyan (partly planted). The roadway is rather narrow for a Park road

Road No. VII.—Part of main diagonal road leading from entrance to the central oval.

I think, but the thing is done. I would raise and turf the sides so as to widen its appearance. The low swampy ground on the west of the road can be drained into the surface-drain on that side. I would leave a gap in the line of trees on the east side of this road of 200 to 300 feet near the Tank D; so as to command a free view of the Chepauk buildings across this piece of water and the cricket field.

This section is now in course of completion by Captain Hunter. I think it should be raised in parts and widened throughout to give it more the character of a Park road.

No. VIII.—Direct continuation of VII. to Pycroft Road at the corner near the College tiffin-room.

This section had been pitted out for an avenue, a double row of Portias, before I took charge; and it appears as an avenue with double line of trees in the plan made over to me. I most earnestly seek reconsideration of this design. Avenues are, I think, out of place in a Park, unless when leading up to some fine building on which it is an object that the attention should be concentrated, as in the case of the wide avenue along the main approach leading down for 300 yards towards the Chepauk buildings. Way-worn travellers are not the people who seek a Park; and

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its roads, &c., do not require, as a rule, shelter. We should, I think, rather trust to more distant effects for sight seers, and loungers will seek the shade of standard trees and clumps of wood.

I do not seriously object to avenues along Section VII. and Section X., because, as respects Section VII., the full depth of the Park is secured for the Chepauk buildings by the angle which the avenue takes from the main entrance, and Section X. will not materially narrow the depth of the view from the College.

Further, I think that the extensive triangle between the public road and these two sections will eventually be filled by other less important buildings such as those now on it—the married Sergeants' quarters and new Lungerkhanah. These avenues will in this case help to hide them and create privacy. But a line of avenue trees along Section VIII. will obstruct the view from the College, narrow its section of the Park to about 350 feet, and cross the field of view at a very bad angle. I, therefore, hope that this intention may be abandoned. I have endeavoured to wood out this end of the Park with a view to more distant effects. For general shelter and depth of foliage I have provided two rather full clumps along the south side, the Ficus,—enclosing Tank G. will have pleasing effect from the College; and I have extended existing clumps to the north of it. This will provide wood, shade, and shelter enough without this avenue.

This is a fine, wide, and well laid out road. Park-like in its character. The No. IX. Section of the second main diagonal road only remark I have to make has reference to the same subject as was noticed under No. VIII. An avenue of trees along this road were I think quite out of place. It would narrow the Park and view from all sides, besides approaching the buildings at a wretched angle. I earnestly trust that here too the idea of an avenue will be abandoned.

I have endeavoured to supply the place by fully wooding out the factory and clumping out the principal straits, fence, &c., &c.

Section X. Continuation of Section IX. Nothing has been required here. The road is pitted out from a double row of *Acacia speciosa*.

I have thought it better not to attempt to lay out clumps, &c., round the oval. To the west there are two rows of trees (the old horse lines) planted widely apart, down which probably an avenue will pass to the Lungerkhanah. The upper part of both of these lines I have pitted out, with a view to give extended wood-like appearance. I had intended to propose that both lines should be cut throughout (for about fifty yards) about half way between the oval and the Lungerkhana's end, so as to break the lines-like appearance, and that around the oval on that side the ground should be well wooded up. I would leave the north and south angles free from trees, so as not to obstruct the view into the Park on both sides. From the north side a fine view of Chepauk buildings is obtained which I would merely break by standards planted well-a-field; from the south side a view of some depth is obtained. It would be a pity to lose these effects by planting the north and south angles abutting on the oval. There would be no objection to wood out the two angles on the east. On one side a few trees would shut out and give

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privacy to the Principal's house; on the other a clump fill up an ugly angle between the cocoanut plantation round Tank E. and the oval.

No. XII. approach to the west front of the College including the road under the terraces, &c. Length 1,400 feet. This is a new line of road giving access to the College from the centre oval and Section No. VIII.

The whole has been blocked out and formed so far as earthwork, culverts, &c., three in number, go.

It awaits a good shower of rain to settle the earth, and metalling and graveling will be completed.

The approach passes between the Tank E. and the small tank in the Principal's enclosure. The best has been made of the angles it makes with the advice of Captain Hunter and Mr. Chisholm. The two turns come in well, and on the whole the sweep will not be inconvenient or unsightly. The ground-plan is about fifty feet out at this part, and represents the angles, &c., in a wrong view.

This well is much used and lies just outside the 100 feet radius semi-circle at the entrance. The surrounding circle should, I think, be raised, sloped, paved, and properly drained. If retained in permanence (?) this well should be planted out with a double row of cocoanut trees, say in a circle of twenty feet wide, and a neat coping put round the wall, as it is very conspicuous. I have done nothing to this well, because I think it will eventually be abandoned as it would come in the way of a future improved entrance.

These two wells are the most important (except that in the Central Tank E.) in the Park, and constitute the water supply of a part of Triplicane lying near that part of the Park. They are frequented by thousands, and many water-carts are filled there daily. The stream of water-drawers are now inconvenienced by having to go round by the main entrance and then the whole way back to the wells. A poor water-carrier has, for want of a passage through the rail, to walk 450 yards twice over—once with empties, once laden—more than can reasonably be required. Further, it is simply impossible to keep the Park clear or the grass untrodden and intersected by roads and paths in that important—for no part falls more under public view—section of the Park, so long as the only access to these wells and to Tank C. is by the main entrance.

I have prepared, by pitting and fencing, to carry out a plan which Mr. Sim suggested to me as the general idea of the Members of Government. I have railed seventy feet wide for the water carrying and washing of the public, whom I propose to exclude from the Park. I earnestly recommend that a single bay of the iron park rail be removed to give access to these wells and the tank, and that the main entrance be then closed. I have carried the new paling and line of pits down to the west bank of Tank C. so as to give access thereto from that side only, and save the Park from tatoos, cattle and the like.

This change will save at least 350 yards of roadmaking, viz., from entrance to No. 2 well (600 feet) with branch to No. 3 (200 feet), and a road to the tank (250 feet), and the great expense of their construction and maintenance, on the whole not

less probably than Rupees 1,500 to Rupees 2,000. I recommend that this be done at once.

This is a very important well, and the little washing well near it must be maintained likewise from sanitary reasons. Both must be open to the public at all times. The public is now much inconvenienced by having to go 250 yards (twice over) round by the main entrance from want of direct access, and water-carriers form all sorts of foot-paths, &c., which are utterly incompatible with proper conservancy of the Park. Many do not in fact go round; access has been broken out through the wooden rails, through which goats, &c., come and infest the Park. I have deemed that the only way to treat this well is to do at once what has been proposed above in respect to Nos. 2 and 3. I have railed in a section of the Park 70 feet wide and 100 feet deep for the public, and opened direct access by removing one bay of the rails. I have pitted out for trees all round the new rail.

This is by far the most important public well in the neighbourhood. It supplies almost exclusively the whole of the Patcherry south of Pycroft's Road and part of Triplicane. Thousands use it almost exclusively. The water is excellent.

Earnest representations have been made to me about this most useful well, as well as about the good tank by which it stands. But I have been unable to do any thing to them. Before things could be taken up in earnest rain had filled the tank, and no work could be done in the tank, and by consequence to the well, for it is obvious that the two must go together. The work must be thoroughly done during next hot weather. The well will fall within the cocoanut and areca plantation, which I design for this spot. It must be cleaned out and thoroughly repaired and made neat, and access to it must be given from the road and oval. I purpose to give a nice foot-path from Road No. X. along Tank F, and thence straight to the well and Tank E. (it is shown in the plan), to enable the people entering from the south-west corner of the Park, to reach the well without forming unsightly foot-paths across the grass.

There are several other good wells, but none of the same importance and prominence as those noticed. I will not further describe them. Their circumstances admit of postponement of consideration.

No tank feature of the Park is really more important than this. But it is obvious that its treatment—sloping and planting the bank, &c.—must be undertaken in connexion with the Senate House, whose back terrace will skirt one whole side of the tank.

The shape no doubt will be altered to make it symmetrical with the building opposite and other improvements made. I have, therefore, done nothing except finishing off the corners next the new terrace wall under the Chepauk buildings. I had thoughts of constructing the waterslip and arranging suitable surface-drainage round the tank, but here too I felt that I might be spending money which would

be rendered useless by possible changes. The place to which the drainage is carried should probably be exactly opposite the centre of the Senate House; and if so, the waterslip should be constructed in accordance with a really good design.

I have resloped the sides all round and turfed them, and provided suitable surface-drainage on all sides, and have removed the unsightly ruin which cumbered the west bank.

B.—Centre tank of the north group. Length 350 feet, breadth 200 feet.

Three-fourths of the length at the upper end of the east and west sides respectively, and the whole breadth at the north end will be planted with a double row of natural Mangoe trees to give depth to the whole feature when looked into from the approaches to the Chepauk buildings. The south side will be open save the clumps at the corners. A ghaut should be provided at the north end where the stables are under construction, and all washing, &c., elsewhere interdicted.

It has been most difficult to find turf for the sides; and during the rains harily grass should be most liberally dibbled in throughout the length and breadth of all the banks. The surface-drainage at the north end especially, whence a large body of drainage is derived, should be carefully watched. The whole requires to be trimmed up after the first fall of rain. The soil is now too hard (throwing up the rakes) for me to spend money in anything but blocking out.

Behind this tank the Chepauk stables will be built. I have, therefore, provided that the whole be well wooded out. A line of trees will hide the range from the Government House Park, and on both sides of the site of the stables considerable clumps are provided for.

This is an important tank from two points of view; from the public road and from the road into Government House Park.

C.—West tank at the corner between Government House Park and the main entrance. Square of 175 feet each way.

It is now much frequented by washers, tatoos, &c., and much abused.

I propose, as stated under the head of Public Wells Nos. 2 and 3, to confine the public use of this tank to the west side with direct access from the public road. Three sides will be heavily planted out. The fourth, the south side facing the entrance and public road, I propose to leave open. The thick background and rows of trees on two sides will give depth, &c., to what is otherwise a somewhat insignificant pond. Surface-drainage has been attended to on all sides, and one new waterslip will be constructed.

This tank is a very prominent feature in the Park, and abuts at a bad angle on the Avenue No. 7. It is very important to the public.

D.—Tank on the east side of Avenue No. 7 and near the Cricket Pavilion. Mean length 200 feet, breadth 150.

The tank is in a very bad state and requires to be thoroughly cleared out—say four feet deep—and re-shaped, turfed, &c. Enough water had got into the tank before I took up work of this kind to prevent excavation; and I have deemed it best to leave it till next hot weather barring the construction of a new waterslip at the south-east corner which is urgently required to prevent further damage, and the requisite surface-drainage has been attended to.

I would recommend that next year this tank be taken in hand. In the meantime it may be decided whether the shape shall be altered. I would not

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myself do so. If the bank be filled in widely at the angle which abuts on Road No. 7, it will become a somewhat irregularly-shaped six-sided figure and please by its diversity.

The opportunity should be taken, when cleaning out and re-sloping the sides, to fill up inequalities in the surrounding parts of the Park—*ex. gr.*, behind the Cricket Pavilion some levelling up is needed; on the north-west side and on the east and south sides any quantity of excavated silt and earth can be spread with great advantage. Indeed I have left this part of the Park pretty much as I found it pending the handling of this tank, and I have merely attended to the drainage which will be the same whatever is done to the tank.

This is by far the most important feature in the Park seen as it is from whatever side we enter. It is a very prominent feature from the College terraces, &c., and lies close to the centre oval. The tank fills very readily; the water is good and it is like the well that stands at its side very much frequented. It evidently has had a good deal of attention in former days, for there is a good deal of solid masonry about it in ruins, and was appreciated by the former owner of the Park.

I have been unable to do anything to this tank. The stables have only just been cleared away, and the tank was filled with the first showers in June and has been full ever since. I have attended to the drainage which has ruined it and caused great silting. I have relieved the tank by carrying off the water which falls on the west of Avenues Nos. VII. and X., &c., into Tank G. I have rectified the drainage from the cricket field and the low land to the south-east of Tank F., and along flat under the enclosure of the Engineering College Principal's residence, &c. The surface-drainage thus assigned to this small tank will possibly be more than enough to keep it full; a surplus water drain has, therefore, been carried down the side of Road No. XI. in case of excess.

I venture to state here what I would like to do with this tank. It lies low and might be made a model Hindoo tank with its neat well at the side; but the expense of doing so would be considerable, and we must be content to do the best we may without masonry or cut-stone; Cuddapah slab would suffice.

I would make a square tank of it after the Tanjore model—cleaning it out and widening it on the west side. Any quantity of materials taken out is wanted to fill up inequalities in the ground to the north and behind the Principal's fence and for raising the banks of the tank itself.

I would for the present merely make it square by excavating the west side slope and turf the banks neatly and provide one or two ghauts. I would then plant a cocoanut and areca (?) grove round it. All this might be done at moderate expense next hot weather. I would extend the cocoanut plantation to the side of the Roads No. VIII. and No. XI. on four sides of the tanks; and I would include the well and a considerable space, say sixty or seventy feet beyond it in the south side, in the plantation. Thus treated, I think the feature would be very effective from the College terraces, as well as from points about the Chepauk buildings and the main entrance.

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The Principal of the College naturally wishes this tank enclosed within the fence of his compound to prevent washers, &c., from using it.

It has been, however, pitted out for trees inside the fences, &c., by me, in order to give shelter and privacy to the dwellings, and to give a wood effect from the College terraces. The inner side will be left open to give depth to the house view; a row of Portias will take the place of the unsightly wall which abuts on the College terraces, the wall being removed for about 150 feet as far as the line of the north face of the tank. Here the iron rail, which will be continued round to this point, will protect the compound from trespass. A double row of trees abuts on Road No. XI. on the south, and a single row on the west sides of the tank.

This tank is a very prominent, and may be made a very effective, feature from the College. I have resloped it and turfed the banks, provided for surface-drainage, and for a supply of water from

G.—The oval tank, facing the College. Length 200 feet, breadth (greatest) 100 feet. the north side of the tank, for the discharge of which into the tank a new water-slip has been put into the bank. It will be partially planted round with a double row of trees, the *Ficus indica*. The east end of the oval will be left open toward the College for effect. Should the surface-drainage prove too much for the tank, it must be relieved by carrying a surplus water channel to join the system of surface-drains to the south-east of the tank, whereby the water will be conducted to the culvert on the west side of Road No. VIII. close to the new entrance, and thence conveyed across the public road by an existing culvert.

A path for the public must be laid out from Road No. X. to the tank. I would thence continue the path straight to Tank E, and stop the foot-paths which now disfigure the Park in that direction. It must be made comfortable for the bare feet, or it will be avoided.

MISCELLANEOUS PARK IMPROVEMENT.

All drainage-channels are carefully shown in the plan with the direction of the fall. They need not be further described.

I have only to remark that the surface-drainage inclines are meant to be merely low part of the Park with a carefully levelled direction towards the place of discharge. They should scarcely be observed when the grass covers the slight inclination. The wider and more open they are made the better. For the present I have but partially opened and shelved off the sides as the earth is too hard to be easily and cheaply worked. In the monsoon all of the slopes of drainage inclines should be overhauled and widened, the material being scattered wherever the ground is uneven. I would slightly stir the surface of the slopes and bottom with the mamatty and dibble in harsily grass, which would convert the whole into a fine green sward before the hot weather.

N. B.—I would turf the bottom for 100 feet or more when the water is likely to scour.

As noticed under the head of Road No. XI., the stables attached to the Principal's residence have been removed, others are in course of construction, and the corner near Tank E. included in the Park, so as to admit of the approach to the College passage between the two tanks; a temporary fence has been erected to protect the compound.

In lieu of the piece of ground thus taken into the Public Park, arrangements have been made to extend the Principal's enclosure seventy feet throughout the whole length of old fence (to be removed). A new iron rail fence—one of Messrs. Main's No. 14 sheep and bullock continuous iron rail fences, with gate for the exit into Road No. XI.—has been ordered, at a cost of about Rupees 650 for 1,300 feet of fence, and may be expected in November next. In the meantime the extension of the enclosure to the west side has been blocked out, and the line which is to receive the fence has been slightly raised and levelled in connexion with the surface-drainage of that part of the Park. Material for levelling (very little indeed is required) the ground inside the rail will be found by widening the drainage incline, and from the extension of Tank E.

To hide the angles and break the straight line, as well as to give privacy, clumps of trees have been designed as shown in the plan, and the requisite pits dug.

The new iron will enclose the whole enclosure from the gate near the Factory to Tank G., where it will lap over so as to replace about 150 feet of the wall near the College, which will be removed.

The retaining walls are complete, and the terrace of the College has been partially filled in. A contract for completing the work with a turfed slope on the

north side has been entered into for Rupees 210. The whole terrace will require to be laid with old bricks and gravelled after the earth has settled.

The Cuddapah slabs have not yet been laid on the steps (brickwork completed), and Mr. Chisholm has to design a parapet.

Under the terraces and between them and the road the soil has been prepared for grass slopes of twelve feet wide. This should be completed when rain falls, and I would intersperse a few shrubs, Rangoon creepers, and the like on this margin, taking special care to fill up the angle where the College and tiffin-room terraces meet.

The well is being dug in this low-lying ground, and promises well; and cocoanut plants have been bespoken through M. Nagalinga Moodelly. But

Mr. Chisholm has to design the latrine which should be built before the plantation is fully undertaken. Portias fifteen feet apart will constitute a hedge on the south side, and on the east (planted on the elevated edge of the road up to the College) there will be a row of avenue trees (Portia).

N. B.—A broad flight of steps should be constructed about the centre of the south side of the College terrace retaining wall leading down to the latrines and palm garden. This grove will be an effective feature. It will shelter the latrines and tombs from sight and give background to the tiffin-rooms. The well is required for

the front garden as well as the other plantations at this end of the ground.

I have laid out the channel which runs across the College parallel with the terraces, and built the two culverts; but I have not filled in the deep hollows between it and the terraces, nor the ruined well on the other side of it. The soil has been so hard that the rates would be high, whereas by waiting till rain falls, the whole can be cheaply done. Material for both works is abundant on the west bank of drainage-channel and the uneven surface of the piece of ground which surrounds the old well. Room to turn a carriage should be provided opposite each set of steps down from the terrace.

When these works are complete, a few standards might be planted.

The accompanying plan shows (somewhat roughly) the position of all plantations, avenues, shrubberies, &c., designed for the immediate decoration of the Park. Each

group is lettered; and the accompanying list gives the name of the trees and shrubs, which, in consultation with Dr. Biddie, who has most kindly and constantly aided me in every possible way in this matter, Mr. Henry of the Public Gardens, and Mr. Mackintosh, I recommend should be planted in each when the proper season, now imminent, comes.

The pits have all been dug and are being filled in with made (one cart-load of old municipal sweepings and one of old brick rubbish good earth, &c.,) soil; and the fences are in course of preparation and will shortly be put up.

Very little planting has been possible in this dry weather, but abundance of every kind of tree named is ready. I have not attempted to place the requisite standard trees here and there over the Park. They should be carefully arranged when the heavier work is complete.

No time should be lost, if it be considered desirable to make changes in the trees to be planted in the different parts of the Park, or in the disposition of the clumps, &c. Indeed it might be as well to let the plan be carried out as designed, subject to changes which can readily be made afterwards by removals, alterations, &c., &c., in detail, according to taste, when His Excellency the Governor and the Members of Government return to Madras. No time will thus be lost; and very little if any expense or trouble be entailed by such moderate shiftings.

The only points requiring special notice are the two rather heavy woods along the south wall of the grounds west of the College. They will give shelter, and I think have a rich effect, and shut out native buildings. The bay between the two has been arranged with reference to Tank G, and will show the neat group of native buildings on the public road.

I have only been able to block out these very important features of the terraces, &c. The levelling in and laying out can be done during the rains.

Parterres.

This parterre faces the west side of the building. The fact that the north section, treated from the centre line, is narrower by fourteen feet than the south

Parterre A.

section, has already been noticed. I think a well may be required; if so it should be placed about the middle of the centre line, and I would cover it with the creeping camel foot and other creepers on low posts. The bower in the gardens exemplifies the kind of thing I would advise. I would put large clumps of shrubs

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in both the quadrants at the upper end, to "account for" the turns, and a broad low shrubbery across the base below the west terrace. I would lay out two or three broad large beds of clumped flowery shrub along the north and south approaches, leaving wide grassed margins between them and the roads. Otherwise I would have the greater part of the parterre in grass. The style I would generally adopt is that exemplified in Mr. Arbuthnot's garden; only I would have no made paths. I would treat it entirely according to a "green carpet" design.

This feature lies along the north face of the building and should be richly planted, with a view to privacy, without causing obscuring of the lower story, and to afford some shelter from the north wind. In the background cypresses would be in character, in the front a few low flowery shrubs would be in place. I would have, as in the case of Parterre A, no paths.

This parterre is well sheltered, and I would lay out as a garden with neat but wide paths, &c., and keep every thing very low, as the front building has no basement. If the Areca palm will grow, I would throw in a few small clumps of this very graceful and suitable palm in the background near the little building. The well should be covered (the support should be low) with nice shrubs.

A List of Trees and Shrubs as per plan for Chepauk Park.

<i>Terminalia</i> <i>Albizia</i> <i>Styranthus Chinensis</i> <i>Bignonia</i> <i>Lagerstræmia Reginæ</i> <i>Cassia fistula</i> <i>Colvillea</i> <i>Portia</i> <i>Cassia fistula</i> <i>Portia</i> <i>Guazuma tomentosa</i> <i>Terminalia Catappa</i> <i>Plumeria alba</i> <i>Murraya exotica</i> <i>Isra Coccinea</i> <i>Styranthus Chinensis</i> <i>Rubus, the double flowering varieties</i>	<i>Terminalia</i> <i>Albizia</i> <i>Styranthus Chinensis</i> <i>Bignonia</i> <i>Lagerstræmia Reginæ</i> <i>Cassia fistula</i> <i>Colvillea</i> <i>Portia</i> <i>Cassia fistula</i> <i>Portia</i> <i>Guazuma tomentosa</i> <i>Terminalia Catappa</i> <i>Plumeria alba</i> <i>Murraya exotica</i> <i>Isra Coccinea</i> <i>Styranthus Chinensis</i> <i>Rubus, the double flowering varieties</i>
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A List of Trees and Shrubs as per plan for Chepauk Park.—(Concluded.)

R. Guazuma tomentosa. Cassia fistula. Lagerstræmia Reginæ. S. Bignonia suberosa. Colvillea. T. Guazuma tomentosa. Cassia fistula. Lagerstræmia Reginæ. U. Bassia longifolia. V. Sterculia foetida. W. Thespesia Papulnea. X. Syzygium Jambolanum. Y. Dalbergia Sissoo.	Z. Pterocarpus Dalbergioides. A². Dalbergia Sissoo. B². Pterocarpus Dalbergioides. C². Portia. D². Corks and Portias. E². Neems double row, Syzygium Jambolanum outside with Sumach and Cassia fistula. F². Neems double row, Guazuma tomentosa. Sumach and Cassia fistula. G². Ficus religiosa. Dalbergia Sissoo. Cassia fistula. Poinciana Regia.
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No. 179. ORDER THEREON, 31st August 1871, No. 1349.

With reference to the notes and suggestions respecting the works undertaken by the Hon. Mr. Robinson in the Chepauk Park, His Excellency the Governor in Council desires, before passing his remarks, to convey to Mr. Robinson the thanks of the Government for his kindness in undertaking the superintendence of this work, and for the rapid progress which, owing to his supervision, has been made in it.

2. Taking each portion of the work in the order followed in the notes and suggestions, His Excellency is of opinion that the planting of the Road No. I. may be left till the Senate House buildings are completed, and the small buildings in front of the Revenue Board removed.

No. II. TERRACES.—Approving generally of Mr. Robinson's suggestions, His Excellency thinks that this part of the work may be reserved for future years when the substantial works of building, road-making, and plantation have been all secured and completed.

No. III.—Main approach to the Chepauk buildings from the Town gate entrance.

The removal of the gateway and the substitution of another, must, in His Excellency's opinion, be postponed for the present. Mr. Robinson's suggestions will be borne in mind in laying out Parterre A.

No. IV. does not require remark.

No. V.—This road, which has a bad effect in connexion with the double avenue to the arch, should, in His Excellency's opinion, be entirely dispensed with, and a road from the gate semi-circle to the stables (which will eventually be built at the site indicated in the plan) radiating symmetrically with Road VII. be provided.

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No. VI.—The suggestions for the formation of a terrace round the Cricket Pavilion, and for raising the tower of the pavilion, are approved; but these works are not of immediate urgency.

No. VII. calls for no remark.

No. VIII.—The objection raised by Mr. Robinson to an avenue being planted along this road is not concurred in. Avenue trees should, in His Excellency's opinion, be planted along all the four roads converging to the oval. This is the main feature in laying out the whole ground, and there would be an incongruity in having avenues along only two of these roads.

No. IX.—These remarks apply necessarily to this road.

No. X.—No remark is required.

No. XI. which in the notes is incorrectly entered as XII. is approved, with the exception of that portion of it which starts from the oval. The oblique direction taken by this portion has an awkward effect. It should run at a right angle to the longer diameter of the oval, and be connected, as shown in the plan, with the road running by the sides of the Tanks E and F. A road seems also required as indicated in the plan so as to connect an entrance on the east with the Presidency College. The suggested road (marked Z) is indicated by a blue-dotted line on the plan, but the direction of this road will be governed by the position of the entrance on the east which is not shown in the plan.

PUBLIC WELLS.—The wells are presumed to be at the points marked 1, 2, 3. They should all be repaired and made to look neat and a proper access to them provided. The recommendation made by Mr. Robinson for the removal of a bay of the iron Park rail for this purpose and the closing of the main entrance is approved. The suggestions regarding the improvement of Well No. 5 and Tank E are also approved.

TANKS.—The Government concur generally with Mr. Robinson's proposals regarding this portion of the work, but it is considered doubtful whether Portia trees should not be preferred to Mangoes round Tank B, the centre tank of the north group.

As regards the stables, the Government must postpone for the present the construction of these as permanent buildings.

The shape of Tank D will have to be altered to suit the avenue. It should be made regular. The six-sided form may be adopted if this is the easiest and cheapest mode of effecting the object.

MISCELLANEOUS IMPROVEMENTS.—The suggestions contained in this part of the notes are approved. These should for the present be kept in grass well shorn with a mowing machine reserving the formation of beds and the planting of shrubs till the more important works are completed. An exception to this may be made in *Parterre C* in the angle of the two buildings. Here the Date palm, the Areca palm, and the Cabbage palm, might at once be planted. These would break agreeably the outlines of the buildings.

Mr. Pennington, Acting Secretary to the Board of Revenue, is requested, as proposed by Mr. Robinson, to undertake the supervision of the works which have hitherto been directed by Mr. Robinson.

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With reference to the plots described as Dutch Gardens in front of the Presidency College, regarding which a demi-official communication has been addressed to the Superintending Engineer, His Excellency in Council considers that Nos. 2, 3 and 4 in front of the College should all eventually be made. But 2 and 4 should be first executed, reserving No. 3 for further consideration.

It may, however, be questioned whether the original design for these plots may not require further modification especially as to their area.

Colonel Wilkieson will, therefore, be requested to have the ground over plots 2, 3, and 4 perfectly levelled, and when this is done, to mark out 2 and 4 distinctly by laying down red bricks or tiles on the outlines before setting in the stone borders. This will enable the Members of Government on their return to Madras to judge of the general effect and to determine on the final dimensions which the plots shall assume.

(True Extract.)

Captain, R. E.,
Under Secretary, P. W. D.,
for Chief Secretary.

To the Hon. W. Robinson, C.S.I.
" Board of Revenue.
" Public Works Department.

Exd. J. Wright.

Notes and suggestions respecting the
works undertaken by me in the
Chepauk Park.

Road No. 1
From Sea Gate to the commence-
ment of the Terraces -
Distance 350 feet.

This road has been com-
pleted - 40 feet wide - and
drained on the South side -
But I have not pitied out for
avenue trees on either side, or
for wood and clumps. The
North side will be treated when
the Senate House is finished;
and the South side when the
scholar-sergeant bachelor quar-
ters are removed.

I have omitted to pit for
avenue trees even on the South
side, because I think that a
double Avenue of Trees would
be a waste of place. The Avenue
does not face any building
and it would eventually tend to
separate too definitely the group
of buildings - the Senate House
and

Obdt. of 1871: 3th adras.

PUBLIC.

To
THE HON. W. ROBINSON, C.S.I.,
Ec., Ec., Ec.

Dated August, 31st.

Recd.

Ind.

G. O., 31st August 1871, No. 1349.

AUGUST.

Nos. 178-179.

Passing orders on a Memorandum by Mr. W.
Robinson, C.S.I., regarding the works in the
Chepauk Park.

and Lohpalk group - at this end of the Park; to narrow their respective Vista, and to obstruct the view of the Senate House to persons coming along the beach road from the South, and that of the Lohpalk buildings to those approaching them from the north side of the same road -

I think that the Sea-face line would be sufficiently broken and the necessary foliage provided by forming a wood of Portias and other hardy trees say 100 feet long by about on either side of the Sea Gate and about 60 or 70 feet deep - to cover a Lodge - and under the shelter of this clump, throw out a few standard trees in the direction of the Lohpalk buildings &c. - Such an arrangement would give an effective entrance to the Park and shelter trees planted in the near vicinity of the Senate House -

The

II Terraces. Including the retaining walls &c round the north and west side of the Lohpalk buildings and the Lar terre border walls.

Length North Face 470 feet
" West Face 350 feet -

Estimate
Say of Buddapah Slab Pl
of But Stone - R

The South Terrace is 120 feet wide including gardens the park gravelled &c being 43 feet broad - The west terrace (scarcely raised) is 100 feet wide. The whole has been blocked out and nearly finished. But the north west corner has not yet been gravelled &c (ricks have been laid but no metal will be required over this part) to give the filling - in time to settle, as the work was done in the hot weather. The gravelling should be done after the first heavy fall of rain. The west terrace must be gravelled too.

I would recommend that a neat coping of Buddapah Slab 18 inches wide and neatly rounded off or splayed at the edge be laid along the top of all the walls - Along the out side wall I would run an iron chain

Chain loosely hung - supported
by cast iron supports of sub-
stantial kind (2 feet high
and widening towards the base)
set 20 feet apart. This should
be done at once along the wall
which abuts on the Tank -
Shrubs in large pots might be
set at intervals along the west
end of the North terrace & along the
west terrace, and Pangoon
creeper and other hardy green
creepers should be freely used
along the edge of all the terrace
outside and below the walls -
They will rise over -

A semi-circle of 100 feet
radius (from the centre of
the gate way) has been provided
in front of the main entrance -

The existing gate-way is not
quite parallel with the Chepak
buildings which it faces, and
the perpendicular line from

III Main approach to the
Chepak buildings - from the
Town gate entrance, including
the wide avenue and North
and South branches leading
down the terraces.

Length of main avenue 100 feet
" " each branch -
(including the quadrant) 350 ft

21
the centre of the building falls
about 15 feet to the north of the
centre of the gate way - The straight
line from the centre of the arch
intersects the perpendicular
from the building about 100 feet
in front of the former and this
has been adopted as the spot
from which the centre of the
Avenue starts. The Avenue is
therefore not quite in the straight
of the gate way, and there is a
slight angle to be hidden -
Again the South Avenue
towards the central oval and
College, abuts on the gate
way at an inconvenient
angle and a sweep is required
after passing the gate way; and
further, I hope soon to see that
ugly, rubbishy, and non-descript
Tamil-Maistry structure - the
huge gate way will be
sold

sold for the old materials and
a neat cut stone pillared entrance,
with Lodge, substituted for it.
To neutralize the existing defects,
to provide for suitable approaches,
and for future hopes, I have
given a wide open space after
entering the Park.

The only part of this system
of approaches which is in-
-finished is the part of the South
branch beginning from the
entrance on the west terrace
to the Tower. This may be
completed when the Tower is
opened and should occupy the
whole straight space assigned
to it in the plan; for it is
clearly desirable to have as
long a front approach as
possible to so marked a feature
of this group of buildings as
the

N.B.

The new entrance should
I think stand about 20 feet
in advance of the existing
structure; face precisely the
Chapel buildings and be in
line with the west boundary
wall & fence. This would give
a nice wide space at the
angle of the streets; and require
but slight change in the
approach out side.

N.B.

This was not done to let
the approach face the Lorch.

No IV

New Road round to the back
of the Senate House with branch
to the Stables.

Distance to Senate House
say 600 feet.
Branch to the Stables by 200 feet.

the Tower - Indeed the straight
approach to the Tower would
have been much longer than is
now contemplated, but for
the desire not to curtail the
cricket field.

One more point requires
notice, and it is important
with reference to the treatment
of Parterre A. The north branch
of the approach is 14 feet nearer
the centre line of the building
than the South branch. The
centre of Parterre A is therefore
not in a line with the main
avenue, a slight irregularity
which must be kept in
mind in laying out the
Parterre.

A road - 30 feet wide -
has been laid out from the North
approach straight along the
Park

Tank (B) bank is about
the middle of the Tank. Here
the Senate House road line
curves round towards Tank A
and the sea, to join the re-
-maining portion of a road
which was laid out some
years ago, in the same direction.

Mr. Chisholm has kindly
laid out a correct curve to
guide in the disposition of the
clumps and woods, but no
expense need be incurred
on the curve until the Senate
House is built. Up to the
commencement of the curve
however, the earth work of
the whole width of road, and
beyond it to near the site of
the Stables, the Stables road -
24 feet wide - have been

undertaken

No V

Government House road.

Distance 850 feet.

undertaken and the earth work
completed. It was necessary
to do this as the requisite earth
had to be removed from the
Tank bank before it was
turfed. The metalling and
gravelling have been left till
rain shall have fallen in
sufficient quantity to secure
even settlement - when the Stables
road should be completed
throughout.

This stands as it was.
But both sides have been
partially fitted out for a
wider avenue of other trees
to re-place the casuarinas
should they be removed.
I should myself certainly
break the avenue from
about 300 to 350 feet about
half way down, so as to
give

give it more of a Park-road character, and trust for amenity to more distant tree effects. On the South west side for instance to the neem trees on the main approach (No III) and clump at the angle and to the wood round Tank C - on the East side the Mangoe trees round Tank B and the Stables and the beautiful dates and other foliage in Government House Park should supply distant effects - A few Standards and clumps on the glades on either side would complete the effect -

A

N. VI.

From the main avenue N. III to the Cricket Pavilion - Length 300 feet.

Road N. VII. Part of main Diagonal road leading from Entrance to the Central oval.

A narrow road N. VI has been carried up to the back of the Pavilion I think that a narrow terrace of say 20 feet all way should be raised round the building and be gravelled, but no material is forthcoming inside the adjacent Tank is taken in hand. In re-planting and clearing out this Tank I would use some of the earth removed in finishing off this work.

The Cricket Club should be requested to put the building in Mr. Chisholm's hand to have the tower raised & as he suggests for Rs. 1000 great improvement in appearance might be effected.

I have fitted out for trees round the back of the building.

This road N. VII has been found before I left to do with the Park. It had been fitted out for an avenue of small leaved *Banyan* (partly

planted)

planted). The roadway is rather narrow for a Park road I think; but the thing is done. I would raise and turf the sides so as to widen its appearance. The low swampy ground on the west of the road can be drained into the surface drain on that side. I would leave a gap in the line of trees on the east side of this road of 200 to 300 feet near the South D, so as to command a fine view of the Chepauk buildings across the piece of water and the cricket field.

This section is now in course of completion by Captain Hambley. I think it should be raised in parts and widened throughout. To give it more the character of a Park road.

This section had been fitted out for an avenue, a double row of Portias, before I took charge; and it appears as an avenue with double line of Portias.

N. VIII Direct continuation of N. VII to Pycroft road at the corner near the College Tiffin room.

me. I must earnestly seek consideration of this design. Avenue area I think out of place in a Park, unless when leading up to some fine building on which it is an object that the attention should be concentrated, as in the case of the wide avenue along the main approach leading down for 500 yards towards the Chepauk buildings. Long-drawn travellers are not the people who seek a Park; and the roads & do not require as a rule, shelter. We should, I think, rather trust to more distant effects for sight seeing, and loungers will seek the shade of standard trees and clumps of woods.

I do not seriously object to avenues along sections VII & Section I, because as respects section VII the full depth of the Park is secured for the Chepauk buildings by the angle which the avenue takes

from

from the main entrance - and
section I will not materially
narrow the depth of the view
from the college.

Further I think that the
intensive struggle between the
public road and these two sections
will eventually be settled by
the less important buildings
both those now on it, the married
servants quarters and new
Bengal bungalow. These additions
will, in this case, help to hide
them and create privacy. But
a line of avenue trees along
section VIII will protect the
view from the College, harmonize
section of the Park to about 20 feet,
and cross the field of vision at
a very bad angle. I therefore
hope that this intention may
be abandoned. I have not
come to work at the end of
the Park with a view to narrow
the view of the College.

No II Section of the 2nd
Main Diagonal road
from Lehigh Park building
to the Central oval.

I have provided two rather
clumps along the South side
the fine enclosed Park
will have a pleasing effect
from the college, and I have
extended existing clumps
the North of it. This will
provide wood shade and
shelter enough without the
avenue.

This is a fine wide
well laid out road.

Park takes in its character. I
only remark I have to make
has reference to the same road
as was noticed under No. VIII.
An avenue of trees along the
road were I think quite
of place. It would narrow
Park and view from all sides
besides approaching the limit
at a wretched angle. I am
sure that here for the sake
an avenue will be abandoned.

I have endeavored to
supply the place by fully

wooding

wooding out the Factory and
clumping out the Principal
straight fence ~~yes~~ ~~yes~~

Nothing has been required
here. The Road is Potted out
for a double row of *Acacia*
Speciosa.

I have thought it better
not to attempt to lay out clumps
~~yes~~ round the oval. To the
west there are 2 rows of trees
(the old Horse lined) planted
widely apart. down which
probably an avenue will pass
to the Lingerkhanah. The upper
part of both of these lines I
have potted out, with a view
to give extended wood like
appearance I had intended
to propose that both lines
should be cut throughout
(for about 50 yards) about
half way between the oval
and the Lingerkhanah's end.
It is to break the lines like

Section X
continuation of
Section IX.

The central oval

the oval on that side the ground
should be well wooded up.
I would leave the North and
South angles free from trees,
to ~~ad~~ ^{not} abutment the view
into the Park on both sides.
From the North side a fine
view of Chepauk buildings
is obtained ~~which~~ I would
severely break by ~~straddles~~
planted well a field from
the South side a view of some
depth is obtained. It would
be pity to lose these effects
by planting the North and
South angles abutting on the
oval. There would be no
objection to work out the
two angles on the East. On
one side a few trees would
do no harm and give privacy
to the Principal's house on
the other a ~~strip~~ ^{strip} of trees up
an ugly angle between the

coconut plantation round
Lank C and the Oval.

This is a new line
of road giving access to the
College from the Centre oval
and Section N^o VIII.

The whole has been
blocked out and formed so
far as earth work, Calverts
yes three in number. - 90 -
It awaits a good shower of
rain to settle the earth, and
metalling and gravelling will
be completed.

The approach passes
between the Lank C and
the Small Lank in the
Principal's Enclosure. The
fence has been made of the
angles it makes with the
divide of Captain's Garden
and N^o VIII.

N^o VII. Approach
to the West front of
the College including
the road under the
terraces &c.

Length 1400 feet

The two Turns come in
well on the whole the
sweep will not be incon-
venient or unsightly. The
ground plan is about 50
feet out at this part and
represents the angles &c.
in a wrong view

22.1.18

Public Wells.

No. 1, near the entrance and lies just outside the gate.

This well is much used at the entrance. The surrounding circle should, I think, be raised, sloped, paved and properly drained. If retained in permanence, this well should be planted out with a double row of Cocconut trees; say in a circle of 20 feet wide, and a neat coping put round the wall, as it is very conspicuous. I have done nothing to this well, because I think it will be eventually abandoned, as it would come in the way of a future improved entrance.

No. 2 and 3.

Two wells in the west corner of the Park.

These two wells are the most important (except that

that in the Central Tank
C) in the Park, and con-
stitute the watersupply of
a part of Triplicane lying
near that part of the Park.
They are frequented by
thousands and many
water-drawers, are now
inconvenient by having to
go round by the main
entrance and then the
whole way back to the
wells. A poor water-carrier
has, for want of a passage
through the rail, to walk
400 yards twice over - once
with empties, once laden -
more than can reasonably
be required. Further it
is simply impossible to
keep the Park clear, or
the grass untrod-den and
intersected by roads and
paths in that important
part.

29
for no part falls more under
public view - section of the
Park, so long as the only ac-
cess to these wells and to
Tank C, is by the main en-
trance.

I have prepared - by
pitting and fencing - to carry
out a plan which Mr. Sim
suggested to me as the
general idea of the Members
of Government. I have raised
40 feet wide for the water-
carrying and washing public,
whom I propose to exclude
from the Park. I earnestly
recommend that a single
bay of the Iron Park Rail
be removed to give access
to these wells and the tank,
and that the main entrance
be then closed. I have car-
ried the new paling and
line of pits down to the
west bank of Tank C, so
as to give access there to from
that

that side only, and save
the Park from Catoots, battle
and the like.

This change will save at least 250 yards of road-making, viz from entrance to No. 2 well (600 ft) with branch to No. 3 (200 ft) and a road to the Tank (250 ft) and the great expense of their construction and maintenance; on the whole not less probably than No 1,500 to No 2,000. I recommend that this be done at once.

that this be done at once.

This is a very important well - and the little wash to the south of main sewer well near it must be traced and west of Avenue maintained likewise from room, with small washing sanitary reasons. Both well close by.

must be open to the public at all times. The Public is now much inconvenienced by having to go 250 yards twice over, round by the main entrance from west of street and water

No. 5. Well in the Banks
L.

carriers form all sorts of
footpaths, &c., which are
utterly incompatible with
proper conservancy of the
Park. Many do not in fact
go round - access has been
broken out through the
wooden rails, through
which goats &c., come and
infest the Park. I have dem-
onstrated that the only way to
treat this well is to do at
once what has been pro-
posed above in respect
to Nos 2 and 3. I have rail-
ed in a section of the Park
40 feet wide and 100 feet
deep for the Public, and
opened direct access by
removing one bay of the rails.
I have planted out for trees
all round the new rail.

This is by far the most
important Public well
in the neighborhood. It
supplies almost exclusively
the

the whole of the Hatchery
south of Pycroft's Road
and part of Triplicane.
Thousands use it almost
exclusively. The water is
excellent.

Earnest representations
have been made to me
about this most useful
well, as well as about the
good Sank by which it
stands. But I have been
unable to do anything to
them. Before things could
be taken up in earnest
rain had filled the
Sank, and no work could
be done in the Sank; and
by consequence to the well,
for it is obvious that the
two must go together.
The work must be tho-
roughly done during next
hot weather. The well
will fall within the
Cocoanut.

Other wells &c.

2
Cocoanut and areca planta-
-tion, which I design for this
spot. It must be cleared
out and thoroughly repaired
and made neat, and access
to it must be given from
the road and oval. I purpose
to give a nice footpath from
road No 10 along Sank H, and
thence straight to the well
and Sank E, (it is shown
in the plan) to enable the
people entering from the
south west corner of the
Park, to reach the well
without forming unsightly
footpaths across the grass.

There are ^{several} other good wells,
but none of the same im-
portance and prominence
as those noticed. I will not
further describe them.
Their circumstances admit
of postponement of consider-
-ation.

Tanks

A

Tank under the North face
of Chepak building and behind
the Senate House

Length 400 feet

Breadth 200 - -

No Tank feature of the
Park is really more important than
this. But it is obvious that its
treatment - sloping and planting the
banks over, must be undertaken in
connection with the Senate House,
whose back terrace will skirt one
whole side of the Tank.

The shape no doubt will
be altered to make it symmetrical
with the building opposite, and other
improvements made. I have
therefore done nothing except finish-
ing off the corners next the new
terrace wall under the Chepak
buildings. I had thoughts of con-
structing the water slip and ar-
ranging suitable surface drainage
round the Tank, but here too I
felt

felt that I might be spending money which would be rendered useless by possible changes. The place to which the drainage is carried should probably be exactly opposite the centre of the Senate House; and if so, the water slip should be constructed in accordance with a really good design.

I have resloped the sides all round and turfed them, and provided suitable surface drainage on all sides and have removed the unsightly ruin which cumbered the West bank.

Three-fourths of the length at the upper end of the East and West sides respectively, and the whole breadth at the North end will be planted with a double row of natural mangroves

B Centre Tank of the
North group
Length 350 feet
Breadth 200 --

when looked into from the aspect
approached to the Chapel buildings.
The South side will be open save
the chimneys at the corners. A
ghaut should be provided at
the North end where the stables
are under construction, and all
washing &c elsewhere interdicted.

It has been most difficult
to find turf for the sides, and during
the rains harialy grass should
be most liberally dibbled in through-
out the length and breadth of all
the banks. The surface drainage
at the North end especially, whence
a large body of drainage is derived
should be carefully watched & the
whole requires to be trimmed up
after the first fall of rain. The
soil is now too hard (throwing up the rates)
for

for me to spend money in any
thing but blocking out.

Behind this Tank the
Chapak stables will be built,
I have therefore provided that
the whole be well wooded out.
A line of trees will hide the
range from the Government House
Park, and on both sides of the site
of the stables considerable clumps
are provided for.

This is an important
Tank from two points of view,
from the public road and from the
road into Government House Park.

It is now much
frequented by washers, tanners
and much abused -

I propose, as stated under
the head of Public wells, a
road to confine the

C. West Tank at the
corner between Government
House Park and the main
entrance -
Square of 175 feet each way -

Public use of this Tank to the
West side with direct access from
the Public road. Three sides will
be heavily planted out. The fourth,
the south side facing the entrance
and public road. I propose
to leave open the thick back
ground and rows of trees
on two sides will give depth
as to what is otherwise a some
what insignificant Pond.
Surface drainage has been
attended to on all sides
and a water slip
will be constructed.

This Tank is a very prominent feature in the Park and abuts at a bad angle on the Avenue. It is very important to the Public

The Tank is in a very bad state and requires to be thoroughly cleared out, say 4 feet deep, and reshaped turfed &c. Enough water had got into the Tank before I took up work of this kind, to prevent excavation; and I have deemed it best to leave it till next hot weather, having the construction of a new water slip at the South East corner which is urgently required to prevent further damage; and the requisite surface drainage has been

D. Tank on the East side of Avenue No. VII and near the cricket Pavilion

Mean length 200 feet
" breadth 150 feet

attended to

I would recommend that next year this Tank be taken in hand. In the meantime it may be decided whether the shape shall be altered. I would not myself do so. If the tank be filled in with soil at the angle, which abuts on road No. VII, it will become a somewhat irregularly shaped, six-sided figure and please by its diversity. This opportunity should be taken when cleaning out and reshaping the sides, to fill up inequalities in the surrounding part of the Park - to go behind the cricket Pavilion, some leveling up is needed on the North West side and on the East.

and South sides any
quantity of excavated silt
and earth can be spread
with great advantage.

Indeed I have left this
part of the Park pretty
much as I found it
finding the handling
of this Tank. And I have
merely attended to the drain-
age which will be the same
whatever is done to the Tank.

This is by far the most
important feature in the Park
seen as it is from whatever
side we enter. It is a very
prominent feature from
the College Terrace
and lies close to the centre
of the Park. The Tank follows
very readily the water

E Small Tank near the centre
oval
Length 150 feet
Breadth 80 "

is good and it is like the
well... that stands at its
side (very much frequented).
It evidently had had a
good deal of attention in
former days, for there is
a good deal of old
masonry about it, and
was appreciated by the
former owner of the Park.
I have been unable
to do any thing to the Tank.
The stables have only just been
cleared away, and the Tank
was filled with the first snow
in June and has been full
ever since. I have attended
to the drainage which has
ruined it and caused
great silting. I have
relieved the Tank
by

by carrying off the water which
falls in the West of summer 27
drawed I req. req into Tank C.
I have rectified the drainage from
the cricket field and the low land
to the South East of Tank B. and
along flat under the enclosure
of the Engineering College. This
is the residence of the
face drainage thus assigned
to this small Tank will possibly
be more than enough to keep it
full; a surplus water drain
has therefore been carried
down the side of road 27
in case of excess.
I venture to state
here what I would like to do
with this Tank at his low and
with all drainage

might be made a model Hindoo
Tank with its neat well at
the side - but the expense of
doing so would be considerable
and we must be content to do
the best we may without more
sandy or cut stone. Buddapak
slab would suffice.
I would make a square
Tank of it after the Tanjore
model - cleaning it
out and widening it on the
West side. Any quantity of
materials to be used
to fill up inequalities in
the ground to the north and
behind the Principal's fence
and for raising the banks of
the

the Tank itself.

I would for the present merely make it square by excavating the West side slope and turf the banks neatly and provide one or two ghats. I would

plant a coconut wood

around the tank. All

this might be done at moderate

expense next hot weather. I

would extend the coconut plantation

to the side of the road

on both sides of the

Tank and I would include

the well and a considerable

space on the North side in the

plantation.

Thus treated I think the feature

would be very effective for

the College Terraces, as well as

for the tank.

F. Tank, within the Principal's Compound.

The Principal of the college naturally wishes this Tank enclosed within the fence of his compound to prevent washers, &c. from using it.

It has been thought out for three sides the fences, viz. by me, in order to give shelter and privacy to the dwellings, and to give a view of the college terraces. The inner side will be left open to give depth to the houses view - a row of trees will take the place of the wall, which stands on the College Terrace. The wall being removed for about 180 feet as far as the line of the north face of the Tank. Here the Iron rail, which will be continued round to the point, will protect the Compound from trespass. A double row of trees about Road No. 1 on the south, and a single row on west sides of the Tank.

G. The Oval Tank facing the college.

Length 200 feet.
Breadth 100 feet.

This Tank is a very prominent feature and may be made a very effective feature from the college. I have re-sloped it, and turfed the banks.

haunts, provided for surface drainage and for a supply of water from the north side of the Lake, for the discharge of which into the Lake, a new water slip has been put into the Lake. It will be partially planted round with a double row of trees - the *Ficus Indica*. The east end of the Oval will be kept open toward the College for effect. Should the surface drainage prove too much for the Lake, it must be relieved by carrying a surplus water channel to join the system of surface drains to the south east of the Lake, whereby the water will be conducted to the Culvert on the west side of Road No VIII, close to the new entrance, and thence conveyed across the public Road by an existing Culvert.

A path for the Public must be laid out from Road No II to the Lake. Should thence continue the path straight to the Lake, and stop the footpaths which now disfigure the Park in that direction. It must

be made comfortable for the bare feet, or it will be avoided.

Miscellaneous Park Improvements

Drainage.

All drainage Channels, are carefully shown in the plan with the direction of the fall. They need not be further described.

I have only to remark that the surface drainage inclines are meant to be much lower part of the Park with a carefully levelled direction towards the place of discharge. They should scarcely be observed when the grass covers the slight inclination. The ditches and more open they are made the better. For the present I have but faintly sketched and sketched off the sides with earth is too hard to the eye and cheaply worked. In the morning, all of the slopes of drainage inclines should be overhauled and mowed - the material being scattered wherever the ground is uneven. I would slightly stir the surface of the slopes and bottom with the

N.B. I would turf the bottom for 100 feet or more when the water is likely to occur.

the Mammoth, and double
Marble grass which would
convert the whole into a fine
green sward before the hot
weather.

As noticed under
the head of Road No 1, the
stables attached to the Principal's
residence have been removed &
others are in course of
construction - and the corner
near Lane B. included in the
Park, so as to admit of the
approach to the College -
passage between the two
tenants - a temporary fence
has been erected to protect
the Compound.

In view of the piece of
ground situated at the
Public Park, arrangements
have been made to extend the
Principal's enclosure 70 feet
throughout the whole length
of old fence (to be removed).
A new iron rail fence - in
of Mason's design - with sharp
pointed battens, continuous iron
rail fences, with gate for
the exit into road No 1. The
barrier ordered at a
cost of about £100 for
1000 feet of fence, and they
to be erected in the winter
months. In the meantime

Enclosure of the residence
of the Principal of the Bur-
gessing College, and
new iron rail 1100 ft in length

1100 ft in length

the extension of the enclosure
to the west side has been
blocked out; and the land
which is to receive the fence
has been slightly raised
and levelled in connection
with the surface drainage
of that part of the Park.
Material for levelling
(very little indeed is required)
the ground inside the
fence will be found by
widening the drainage
- incline and from the
extension of Lane B.

To hide the angles and
break the straight line,
as well as to give privacy,
clumps of trees have been
designed, as shown in the
Plan and the required
design.

The new iron will
enclose the whole enclosure
from the gate near the
Factory to Lane A, where
it will be replaced by a
gate about 100 feet
of the wall near the
College, which will be
demolished.

By order of the
Committee of the
Public Park
1860

By order of the
Committee of the
Public Park
1860

College Terraces.

The retaining walls are complete, and the terrace of the College has been partially filled in. I contract for completing the work with a turfed slope on the north side has been entered into for Rs 250. The whole terrace will require to be laid with old bricks and gravelled after the earth has settled.

The Gaddapah slabs have not yet been laid on the steps (brick work completed), and Mr Chisholm has to design a parapet.

Under the terrace and between them and the road, the soil has been prepared for grass slopes of 12 feet wide. This should be completed when rain falls, and I would intersperse a few shrubs, Mangoon creepers and the like on this margin, taking special care to fill up the angle where the College and Tiffin room terraces meet.

The well in being dug in this low lying ground, and promises well; and Cocunut plants

Cocunut tree plantation on the south side of the College and round the Tiffin rooms. Area one 1/2 quarter acre.

plants have been kept from through the College boundary. But Mr Chisholm has to design the Lathies which should be built before the plantation is fully undertaken. Pines 15 feet apart will constitute a hedge on the south side and on the east / planted on the elevated edge of the road up to the College. There will be a row of areca trees (Korla).

N.B. A broad flight of steps should be constructed about the centre of the south side of the College terrace retaining wall leading down to the latrines and Palm garden.

This group will be an effective feature. It will shelter the latrines and tanks from sight, and give back ground to the Tiffin rooms. The well is required for the front garden as well as the other plantations at this end of the grounds.

I have laid out the channel which runs across the College parallel with the terraces and built the two culverts, but I have not filled in the deep hollow between it and the terrace nor the ruined well on the other side of it. The soil has been so laid that the water would be high, whereas by waiting till rain falls the whole can be cheaply done.

Material

Material for both works
is abundant on the west bank
of drainage channels and the
inner surface of the piece
of ground which surrounds
the old well. Room to turn
a carriage should be pro-
vided opposite each set
of steps down from the terrace.

When these works are
complete a few standards
might be planted.

The accompanying
plan shows somewhat
roughly the position of
all plantations, avenues,
chambers, &c., designed
for the immediate decoration
of the Park. Each group
is lettered; and the
accompanying list gives
the name of the trees and
shrubs, which, in consultation
with Dr. Biddis - who
has most kindly and
constantly aided me in
every possible way in the
matter - the Henry of the
Public gardens and the
private garden, I have
planned.

Plantations of clumps,
avenues, &c.

when the proper season, now
nearer, comes.

The pits have all been
dug and are being filled
in with made (one cart load
of old municipal sweepings
and one of old brick rubbish
and good earth &c.) soil; and
the fences are in course of
preparation and will shortly
be put up.

Very little planting
has been possible in this
dry weather, but abundance
of every kind of tree saved
in the garden. I have not attempted
to place the trees opposite standing
trees here and there across
the Park. They should be
carefully arranged when
the heavier work is complete.

No time should be lost
if it is considered desirable
to make changes in the trees
to be planted in the dif-
ferent parts of the Park
or in the disposition of
the clumps, &c. &c. Indeed
it might be as well to let
the plan be carried out
as designed, subject to
changes.

Changes which can readily be made afterwards by removals, alterations, &c. &c. in detail according to taste, when His Excellency the Governor and the Members of Government return to Illadras. No time will thus be lost; and very little if any expense or trouble be entailed by such moderate shiftings.

The only points requiring special notice are the two further heavy woods along the South wall of the ground west from the College. They will give shelter and I think have a rich effect and shut out a bare hill. The way between the two has been arranged with reference to the main road will show the main group of native buildings on the Public road.

Parkes.

Parkes A.

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I have only been able to block out these very important features of the Terrace &c. The building and laying out can be done during the winter.

This Parkes faces the west side of the building. The fact that the North section, treated from the centre line, is narrower by 10 feet than the South section has already been noticed. I think a well may be required. If it should be placed about the middle of the centre line, and I would cover it with the existing Camellia, fuchsia and other creepers on low posts. The flower in the garden top simplifies the kind of thing I would advise. I would put

put large clumps of
shrubs in both the qua-
drants at the upper end
to account for the turns.
and a broad low shrubby
across the base below the
west Terrace. I would
lay out two or three broad
large beds of clumped
flowery shrub along the
north and south apper-
ches leaving wide grassed
margins between them and
the roads. Otherwise I
would have the greater
part of the parkland in
grass. The style I would
generally adopt is that
exemplified in Mr. Ash-
mole's garden; only I would
have no made paths. I
would treat it entirely
according to a green carpet
design.

Parkland B.

This Parkland lies
along the north face
of the building and should
be richly planted with
a view to privacy without
causing obscurity of the
lower story and to afford
some shelter from the
north wind. In the back-
ground cypresses would
be in character. in the
front a few low flowery
shrubs would be in
place. I would have,
as in the case of
Parkland A, no paths.

Parkland C.

This Parkland is well
sheltered and I would
lay out as a garden
with neat, but wide
paths & keep every-
thing very low, as the front
building has no basement.
If the Avoca palm will
grow I would throw in a
few

few small clumps of this
very graceful and suitable
palm in the back ground
near the loftier building.
The well should be
covered (the support should
be low) with nice creepers.

11/0/71 *W. W. W. W.*

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A List of Trees and Shrubs as
per Plan for Chepauk Park.

A.	<i>Cerebra Odellum.</i> <i>Hibiscus Flora Pleno.</i> <i>Paeonia Morindifolia.</i> <i>Petrea Volubilis.</i> <i>Strepantus chinensis.</i>
B.	<i>Sumach.</i> <i>Legistremia Regina.</i> <i>Cassia Histula.</i> <i>Callophyllum Inophyllum.</i> <i>Isora Alba.</i> <i>Pinceana Pulcherrima.</i>
C.	<i>Portia.</i> <i>Cassia Histula.</i> <i>Dr. Roxburghii</i> <i>Guaymasa tomentosa.</i> <i>Germanalia batapa.</i>
D.	<i>Plumeria Alba.</i> <i>E. Murraya Escotica</i> <i>Isola Coccinea.</i> <i>Strepantus chinensis.</i> <i>Hibiscus, the double flowering varieties.</i>

Continued.

H.	Sumach.
I.	<i>Serranalia latifolia</i> .
H.	<i>Pimenta Indica</i> . <i>Dalbergia Sissoo</i> . <i>Simarouba Mahoe</i> . <i>Cathartus caipus</i> Roseburg.
I.	<i>Anacardium occidentale</i> .
H.	<i>Servientia Anacardi</i> . <i>Dalbergia Sissoo</i> . <i>Cassia Histula</i> .
L.	<i>Pongamia Glabra</i> . <i>Pongamia Regia</i> . <i>Dalbergia Sissoo</i> . <i>Serranalia latifolia</i> .
M.	<i>Pongamia Glabra</i> .
N.	<i>Colvillea Portia</i> .
O.	<i>Guazuma tomentosa</i> . <i>Albizia New Species</i> .
Q.	<i>Pterocarpus Dalbergioides</i> .
R.	<i>Guazuma tomentosa</i> . <i>Cassia Histula</i> . <i>Legitimia Regia</i> .

Concluded.

S.	<i>Pignonia tuberosa</i> . <i>Colvillea</i> .
T.	<i>Guazuma tomentosa</i> . <i>Cassia Histula</i> . <i>Legitimia Regia</i> .
U.	<i>Cassia Longifolia</i> .
V.	<i>Herculia Helida</i> .
W.	<i>Hesperia Papulnea</i> .
X.	<i>Sigillum jambolum</i> .
Y.	<i>Dalbergia Sissoo</i> .
Z.	<i>Pterocarpus Dalbergioides</i> .
1.	<i>Dalbergia Sissoo</i> .
2.	<i>Pterocarpus Dalbergioides</i> .
3.	<i>Portia</i> .
4.	<i>Portia and Portia</i> .
5.	Acorns double row, <i>Sigillum jambolum</i> , outside with Sumach and <i>Cassia Histula</i> .
6.	Acorns double row, <i>Guazuma tomentosa</i> Sumach and <i>Cassia Histula</i> .
7.	<i>Vicia Religiosa</i> . <i>Dalbergia Sissoo</i> . <i>Cassia Histula</i> . <i>Pongamia Regia</i> .

Mr 2 11/8

Sh.

3275

Public Department,

PROCEEDINGS of the MADRAS GOVERNMENT.

Read the following letter Notes

and suggestions regarding
the works in the Chepik
Park, by W. Robinson Esq.
Member of the Board of Re-
venue dated 10th Augt 1871

Order thereon - Botacammund
31 August 1871. No 1346.

With reference to
the Notes and suggestions
respecting the works un-
dertaken by the Honor-
able Mr Robinson in
the Chepik Park, His
Excellency the Governor
in Council desires, before
passing his remarks, to
convey to Mr Robinson
the thanks of the Govt
for

G.O. 231 August 11 1871

for his kindness in un-
dertaking the superin-
tendence of this work,
and for the rapid progress
which owing to his su-
pervision has been made
in it.

2. Taking each portion
of the work in the order
followed in the Notes and
Suggestions, His Excellency
is of opinion that the
planting of the Road N^o I
may be left till the Se-
nate House buildings
are completed, and the
small buildings in front
of the Revenue Board re-
moved.

N^o II. Terraces. - Appro-
ving generally of Mr
Robinson's suggestions,
His

His Excellency thinks
that this part of the
work may be reserved for
future years when the
substantial works of
building, road-making
and plantation have been
all secured and completed.

N^o III. Main approach
to the Chapak buildings
from the Town Gate Entrance.

The removal of the
Gate-way and the substi-
tution of another, must,
in His Excellency's opinion,
be postponed for the present.

Mr Robinson's sugges-
tions will be borne in
mind in laying out
Parterre A.

N^o IV Does not require
remark.

N^o

N^o I. This road, which has a bad effect in connection with ~~Three~~ double avenue to the Arch, should in His Excellency's opinion be entirely dispensed with, and a road from the gate semicircle to the stables (which will eventually be built at the site indicated in the plan) radiating symmetrically with Road ~~III~~ be provided.

N^o II. The suggestions for the formation of a terrace round the Cricket Pavilion, and for raising the Tower of the Pavilion are approved, but these works are not of immediate urgency.

N^o III. Calls for no remark.

N^o IV. The objection raised

raised by Mr Robinson to an avenue being planted along this road, is not concurred in. Avenue trees should, in His Excellency's opinion, be planted along all the four roads converging to the oval. This is the main feature in laying out the whole ground and there would be an inconsistency in having avenues along only two of these roads.

N^o II. These remarks apply necessarily to this road.

N^o I. No remark is required.

N^o II. which in the Notes is incorrectly entered as ~~III~~ is approved, with the exception of that portion of it which starts from the

The oval. The oblique direction taken by this portion has an awkward effect. It should run at a right angle to the longer diameter of the oval, and be connected, as shown in the plan, with the road running by the sides of the tanks E and F. A road seems also required as indicated in the plan so as to connect an entrance on the East with the Presidency College. The suggested road (marked Z) is indicated by a ^{blue} ~~thick~~ dotted line on the plan, but the direction of this road will be governed by the position of the entrance on the East which is not shown in the plan.

and made to work west and
a proper access to them pro-
vided. The recommendation
made by Mr. Robinson for
the removal of a bay of the
Iron Park Rail for this pur-
pose and the closing of the
main entrance is approved.
The suggestion regarding the
improvement of well No 5 and
Tank E are also approved.

The Government
concerns generally with
Mr. Robinson's proposals re-
garding this portion of the
work, but it is considered
doubtful whether Portia
litter should ^{not} be preferred
to Encargos round Tank B,
the central tank of the north
group.
to regard the Stalley

The shape of Tank. D
will have to be altered, to
suit the avenue. It should
be made regular. The
six sided form may be
adopted

adopted if this is the
easiest and cheapest
mode of effecting the
object.

The suggestions Miscellaneous Improvements
contained in this part
of the rules are approved.
These should for the
present be kept in
grass well shorn with
a mowing machine
reserving the formation
of beds and the planting
of shrubs till the more
important works are
completed. An ex-
ception to this may be
made in portulaca C.
in the angle of the two
buildings, here the
date palm, the
areca palm and
the cabbage palm,
might at once be
planted. These would
break agreeably the
outline of the buildings.

See

Mr Pennington Ag.
Secretary to the Board
of Revenue is requested,
as proposed by Mr Robin-
son, to undertake the
supervision of the works
which have hitherto been
directed by Mr Robinson.

With reference to
the Plots described as
Dutch Gardens in front
of the Presidency College
regarding which a demi-
official communication
has been addressed to
the Superintending En-
gineer, His Excellency
in Council considers
that nos 2, 3 & 4 in
front of the College should
all eventually be made.
But 2 & 4 should be
first executed, reserving
No. 3 for further consid-
eration.

consideration.

It may however be questioned whether the original design for these plots may not require further modification especially as to their area.

Colonel Wilkinson will therefore be requested to have the ground over plots 2, 3 & 4 perfectly levelled, and when this is done, to mark out 2 & 4 distinctly by laying down red bricks or tiles on the outlines before setting in the stone borders. This will enable the Members of Govt on their return to Madras

dimensions

to judge of the general effect and to determine on the final shape and size which the plots shall assume.

The Hon. W. Robinson Esq. C.S.I. }
Board of Revenue }
P.W. Department. } Sep 7/7

Memorandum

I circulate Mr Robinson's letter to W.
Ellis, his Memo. on the (Reback
grants & his plan for the information
of Gov. I think all he has done,
nearly all is well and we owe him
many thanks for his zeal and
activity in the work. But his
intervention we should certainly be much
help advanced.

There are two points in his recommendations
which I think require the decision
of Gov.

1. The question of building a road
starting near the Park B. & Har
shut I should incline to address
at carry out hereafter.

2. The question of planting avenues

of trees along the roads VIII and

IX. forming two of the converging
lines towards the oval center.

Mr. Robinson has always been opposed
to planting these avenues - I have
always been in favor of it.

The gov^t must decide & give orders
at once as the planting season
approaches and the tree must
be determined on.

I think after looking over the
papers the members of gov^t
might meet specially some
forenoon for a discussion at
my house or elsewhere and

give orders at these points.

Mr. Robinson proposes to leave Mr.
Perin to do the work which
I think should be attended to. *SR*

[Faint, mostly illegible handwritten text follows, including several lines of notes and signatures.]

memo.
Chas. H. Jones

Dear Sir

Madras 11 Aug 1871

My dear Sir

I send you a Memo of what I have done in the Park and what is proposed to be done in the next few weeks, with a Plan showing the disposition of roads, woods &c. Mine has been ~~the~~ work of designing under this Excellency's direction and finishing up. I must leave to

others. I hope the Memo will afford full information. If more be required, Mr Pennington can

afford it. I propose that the works be prosecuted under Mr Pennington's direction - the funds being at his disposal. He has been working with me for a week and is well assisted by Mr Macintosh who has been quite steady for six weeks past, and a native of mine, a pensioner of the State who gives his attention to the work gratis. Mr Pennington is now in charge and will do well; and I hope that Government will ratify the arrangement.

4. Rough Estimate of what remains to complete what I have in hand - including metalling of roads, fencing about 1000 trees with plants & completing the graveling of the terraces about the Chepak buildings, filling in the College terrace & and constructing the well in the Coconut grove near the College together with establishment for 2 months has been framed. It amounts to about Rs 4200. I have a balance on hand of Rs 4195 including sale proceeds of old buildings & trees cut down (say Rs 1900). No further grant will therefore be required on this account for some time to come - and I hope the work will be pretty far advanced ere the Members of Government return to Madras.

5. All the Masonry work attached to the College & Chepak buildings including both a terrace and paving the steps with Giddapah slabs, the Principal's new stables & adaptation of the Tiffin rooms - has been carried out on Contract by a person attached to the Engine Department. I have not paid him anything out

out of grants hitherto made; preferring to keep this kind of work distinct for separate sanction of Government.

6. I am sending in 2 Bills on this account. The one belongs to expenditure on building about the College including works of access thereto; the other belongs to works about the Chepak buildings & the Dark ~~the~~ together amount to about Rs 9,800 for which I beg early sanction may be accorded -

An account of College 5910
Chepak 3890

7. A coping of Giddapah slab placed along all the terrace walls surrounding the Chepak buildings would require about Rs 1000 - I would recommend that the work be ordered - if not now, early next year -

8. The rail for the Principal's compound has been ordered and will cost about Rs 650. I hope that when fully considered the Members of Government will not think that needless or unsuitable work has been

very kind, but he seems to be

been done or designed -

10. I am just taking my Carpet bag in
hand to start for England - Farewell

12/8/71
Yrs Sincerely
W. Robinson

95

My dear Alice

I send you the 3rd of
three plans of the Dutch
garden amounting to
No 5540 - I would remark
that only the two plots
2 & 4 were carried out
and that 3 was left out
for the present only levelling
the ground and making
it look ship shape -

A storm from the N.E. will
bury them and I believe
and it will be also very
difficult to keep them clean
upland. The material for
No. 2 is nearly finished.
Will not send answer
before.

Yours truly
William

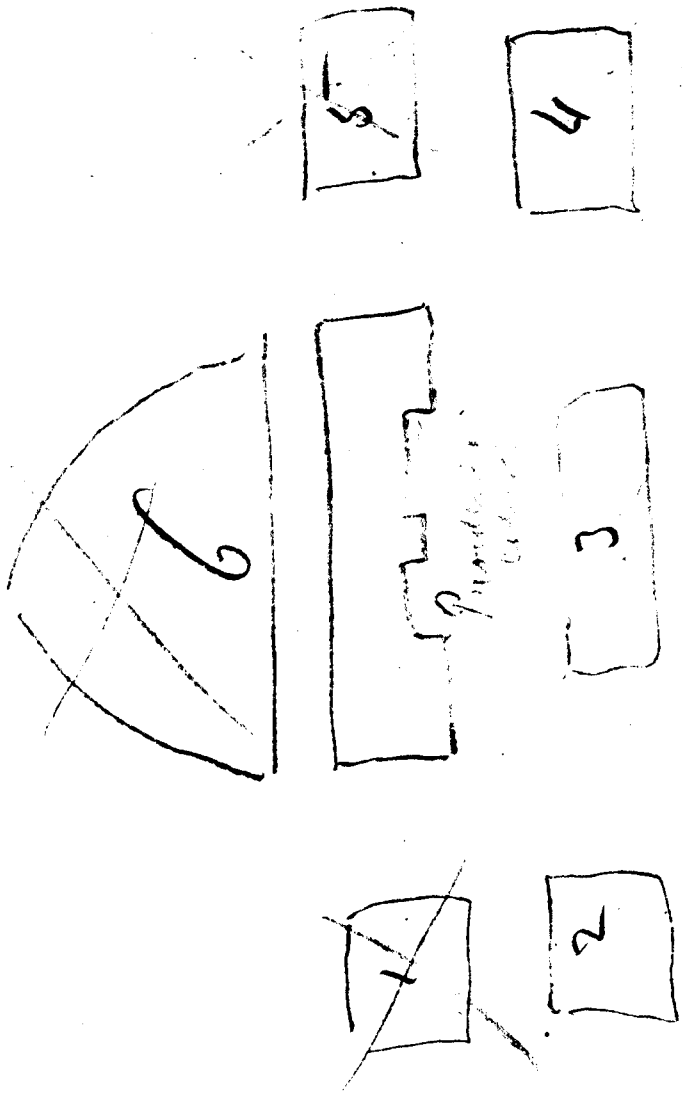
Madras - 22. 1871.

Measurements				Price		Amount		Total	
Number	Length	Breadth	Height	Length	Breadth	Height	Amount	Total	
525	15700			Garden Beds	2		\$300		
				Cut Stone edging to borders of garden beds	1	14	\$984 6		
				Sundries			65 10		
				Cost for Bed 2			1350		
							4	1350	
555	15300			Garden Beds	2		\$306		
				Cut Stone edging to borders of garden beds	1	14	\$1040 10		
				Sundries			67 6		
							14 14		
388				Levelling the ground and laying gravel					
				Gravelling with a levelling course of old bricks underneath	3	8	\$1358		
				Sundries			68		
							1426		
Total								5540	

Pres. Co. Eng's Office
Fort Mims, Georgia
22nd Aug 1871

R. W. Humber
Executive Engineer

Dated 14th Dec.



1. Supper &
5. May & Apprehend
- What is the cost of 2. 3. 4. ?
6. ad hoc

Delivered 22nd Dec
 1891

No 259

Delivered for
 Constructing garden
 beds in front of the
 Presidency College
 commencing 16/11/91

198
Memo. I would determine to execute
no 2. 3. 4. but I would do 2. + 4.
first receiving 3. for discussion. The
members of Gmt. will remember that
they were not quite satisfied either
with the original design or with the
modification of it given by Mr. Phillips.
They thought neither left very convenient
space for carriages. -
I would direct Ch. Bulkin to have
the ground over 2. 3. 4. perfectly
levelled and when levelled to mark
out 2 + 4 distinctly by laying down
red bricks or tiles on the outlines
before setting in the stone borders.
The members of Gmt. would then
be able to judge on their return to

Madras whether the area of the bedrock borders might not be diminished. I struck me on looking at the pattern roughly outlined on the ground that the beds were larger than suited the space in which they are laid out, that they might be contracted with advantage & that the gravelled roads round them might be widened. In this case what remained over of the stone border for 2 or 4 would go to make 3. -

I don't share the vulgar notion of the Sand drift. The Sand drift creeps along the ground and when a dwarf wall is built across the line of drift, as here, the space enclosed

appears to me to become solid & to become covered with coarse grass. An example of this may be seen at the garden Refuge where the play ground of the children close to the sea was formerly a shifting sand bed but after being enclosed three years ago it became covered with vegetation. - The grass grows close up to the wall in the Govt. Home compound near the Marine Villa at another spot in the same station position to the Seabach. Some accumulation of sand with high mounds will of course take place in the stone bordered plots which must be carefully removed. N.

[Signature]
A.V.
J.O.S.

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Public

760 2192.

Nos. 173-174.

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c. 24/8