

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ



مذكرة

مذكرة لفتح مناقصة تطوير الطريق للمشاة في طريق المانغروف الجنوبي
محافظة جدة، المنطقة الغربية، المملكة العربية السعودية

Development of the Southern Route of Mangrove
into a Pleasant Pedestrian Road

PC-266/2025/W-55

مذكرة لفتح مناقصة:

(IUL)266-PR/266/2025/288

مذكرة لفتح مناقصة:

04 2025

مذكرة لفتح مناقصة:

2

مذكرة لفتح مناقصة:

مذكرة لفتح مناقصة: 05 2025

مذكرة لفتح مناقصة
مذكرة لفتح مناقصة

1

2

3	4
5	6
7	8
9	10
11	12
13	14
15	16
17	18
19	20
21	22
23	24
25	26
27	28
29	30
31	32

سورة ممتحنة - 2 -

(۱) رَسْرَسْ وَ دَبَدَبْ

- [illegible]

(8) 7.1 7.1.1 7.1.2 7.1.3 7.1.4 7.1.5 7.1.6

7.1 7.1.1 7.1.2 7.1.3 7.1.4 7.1.5 7.1.6

7.1.1 7.1.2 7.1.3 7.1.4 7.1.5 7.1.6

8.1 8.2 9.1 9.2 9.3 10.1 10.2

8.1 8.2 9.1 9.2 9.3 10.1 10.2

8.2 9.1 9.2 9.3 10.1 10.2

9.1 9.2 9.3 10.1 10.2

9.2 9.3 10.1 10.2

9.3 10.1 10.2

10.1 10.2

10.1 10.2

- | | | | |
|--------|--------|--------|--------|
| 18.1 | 18.1 | 18.1 | 18.1 |
| 19.1 | 19.1 | 19.1 | 19.1 |
| 19.2 | 19.2 | 19.2 | 19.2 |
| 19.3 | 19.3 | 19.3 | 19.3 |
| 20.1 | 20.1 | 20.1 | 20.1 |
| 20.2 | 20.2 | 20.2 | 20.2 |
| 21.1 | 21.1 | 21.1 | 21.1 |
| 21.1.1 | 21.1.1 | 21.1.1 | 21.1.1 |
| 21.1.2 | 21.1.2 | 21.1.2 | 21.1.2 |
| 22.1.3 | 22.1.3 | 22.1.3 | 22.1.3 |
| 22.1 | 22.1 | 22.1 | 22.1 |
| 23.1 | 23.1 | 23.1 | 23.1 |
| 24.1 | 24.1 | 24.1 | 24.1 |

(1) $\begin{matrix} \text{مُتَحَرِّضَاتٌ لِّلْمَعْرِفَةِ} & \text{أَرْبَعٌ مِّنْهُنَّ} & \text{لِلدِّرَاسَةِ} & \text{وَأَلْفٌ مِّنْهُنَّ} \\ \text{لِلزِّيَارَةِ} & \text{وَالْبَقِيَّةُ} & \text{لِلتَّحْقِيقِ} & \end{matrix}$

مِنْهُمْ 5 (قُرْآنًا) قُرُونًا مُّكْتَبَةً، مُتَحَرِّضَاتٌ لِّلْمَعْرِفَةِ أَرْبَعٌ مِّنْهُنَّ

وَإِلَّا فَهِيَ سِرٌّ كَوْنُهُ سِرٌّ؛

(2) $\begin{matrix} \text{نَجْمُ الدُّنْيَا} & \text{نَجْمُ الدُّنْيَا} & \text{نَجْمُ الدُّنْيَا} & \text{نَجْمُ الدُّنْيَا} \\ \text{نَجْمُ الدُّنْيَا} & \text{نَجْمُ الدُّنْيَا} & \text{نَجْمُ الدُّنْيَا} & \text{نَجْمُ الدُّنْيَا} \end{matrix}$

$$(3) \quad \begin{aligned} & \text{مَعْرُوفٌ مِثْلُهُ دَرَسَ مَوَالِدَهُ زَيْنًا وَزَيْنَبًا وَزَيْنَةً} \\ & \text{بِحَقِّهِمْ، أَوْ هُوَذَا نَاظِرٌ إِلَى رَجُلٍ يَخْدُمُ امْرَأَتَهُ فَيُرْسِلُ} \end{aligned}$$

(۴) $\frac{1}{2} \frac{d}{dt} \left(\frac{1}{2} \frac{d^2 x}{dt^2} \right) = \frac{1}{2} \frac{d^3 x}{dt^3}$

[illegible]

34.2. $\vec{r}_1, \vec{r}_2, \vec{r}_3$ — векторы, соединяющие центр масс с вершинами треугольника, $\vec{r}_1 + \vec{r}_2 + \vec{r}_3 = 0$, $\vec{r}_1 = -\vec{r}_2 - \vec{r}_3$, $\vec{r}_2 = -\vec{r}_1 - \vec{r}_3$, $\vec{r}_3 = -\vec{r}_1 - \vec{r}_2$.

Handwritten musical notation:

$$(1) \quad \begin{aligned} & \text{اَدْرَسُوْهُمُ اِذَا رَجَعْتَ اِلَيْهِمْ، اَنْتُمْ وَاُولَئِكَ يَكْفُرُونَ، وَارْتَدُّوا عَلٰى اَعْقَابِهِمْ} \\ & \text{فَوَضَّعْنَاهُمْ سَل_اسَةً لِّلَّذِيْنَ كَفَرَ مِنْهُمْ، فَكُلُوا مِنْ ثَمَرِهِمْ اِذَا رَجَعَتِ الْغُلَامُ وَلَا تَقْبَلُوْهُنَّ حَتّٰى يَخْرُجْنَ مِنْ دُوْرِكُمْ} \end{aligned}$$
[illegible][illegible]

4

1

1

#	2	3	4
1	2	3	4
2	3	4	5
3	4	5	6
4	5	6	7
5	6	7	8
6	7	8	9
7	8	9	10
8	9	10	11
9	10	11	12
10	11	12	13
11	12	13	14
12	13	14	15
13	14	15	16
14	15	16	17
15	16	17	18

2 - 2

2

1. 2	
1.1	2
1.2	2
1.3	2
1.4	2
1.5	2
2. 2	
2.1	2
2.2	2
3. 2	
3.1	2
3.2	2
4. 2	
4.1	2
4.2	2
4.3	2
5. 2	
5.1	2
5.2	2
5.3	2
5.4	2

3 - **مَعْرُوفٌ**

[illegible][illegible]

5 ވަނަ ބައި (ދިވެހިސަރުކާރުގެ ގެޒެޓް)

Form of Bid Security (Bank Guarantee)

WHEREAS,[*name of Bidder*] (hereinafter called “the Bidder”) [*company registration number*] has submitted his Bid for the Project no.....issued by the Secretariat of Kulhudhuffushi City Council onfor construction of[*name of Contract*] (hereinafter called “the Bid”) under Invitation of bidders No.[*Announcement Number*]

KNOW ALL PEOPLE by these presents that We [*name of Bank*] of [*name of country*] having our registered office at (hereinafter called “the Bank”) are bound unto[*name of Purchaser*] (hereinafter called “the Purchaser”) in the sum of * for which payment well and truly to be made to the said Purchaser, the Bank binds itself, its successors, and assigns by these presents.

SEALED with the Common Seal of the said Bank thisday of20.....

THE CONDITIONS of this obligation are:

- (1) If, after Bid opening, the Bidder withdraws his Bid during the period of Bid validity specified in the Form of Bid;
or
- (2) If the Bidder having been notified of the acceptance of his Bid by the Purchaser during the period of Bid validity:
 - (a) fails or refuses to execute the Form of Agreement in accordance with the Instructions to Bidders, if required; or
 - (b) fails or refuses to furnish the Performance Security, in accordance with the Instruction to Bidders; or
 - (c) does not accept the correction of the Bid Price pursuant to Clause 27,

* The Bidder should insert the amount of the Guarantee in words and figures denominated in Maldivian Rufiyaa. This figure should be the same as shown in Clause 28.1 of the Instructions to Bidders.

we undertake to pay to the Purchaser up to the above amount upon receipt of his first written demand, without the Purchaser’s having to substantiate his demand, provided that in his demand the Purchaser will note that the amount claimed by him is due to him owing to the occurrence of one or any of the three conditions, specifying the occurred condition or conditions.

This Guarantee will remain in force up to and including the date days after the deadline for submission of bids as such deadline is stated in the Instructions to Bidders or as it may be extended by the Purchaser, notice of which extension(s) to the Bank is hereby waived. Any demand in respect of this Guarantee should reach the Bank not later than the above date.

DATE..... SIGNATURE OF THE BANK

WITNESS SEAL

[*signature, name, and address*]

5 - 5

5

#	Description	Rate	Total
1	Site preparation		
2	Walkway		
3	Entrance gates and Plant stands		
4	Concrete benches and plant pots		
5	Fence and railing works		
6	Plumbing		
7	Lighting and Electric works		
8	Benches, coffee table and table set		
9	Drainage system		
Sub Total			
GST 8%			
Total			

kfcitycouncil

[illegible][illegible]

4.3 4.3 4.3 4.3 4.3

4.4 $\frac{d}{dt} \left(\frac{1}{2} m v^2 + U(r) \right) = \frac{dU}{dt}$

[illegible]

4.4.2 قەھەر، ئىزلىنىش، تېرىلما، قورسىق، نىمىر سۇيۇقلۇقى، بۆسۈنمە، چاڭغۇنچىلىق، ئارنىشىپ كېتىش، قۇنداق
 (دەرس) ئەمەس مۇستەققىيات. (Mahagony ,Wood stain ,Exterior Woodcare ,Crown/Sikens brand)

[illegible][illegible]

4.7 مَوَاقِعُ خُرُوجِ:

[illegible][illegible]

4.9 $\frac{d}{dt} \left(\frac{1}{2} m v^2 \right) = \frac{d}{dt} \left(\frac{1}{2} m \dot{x}^2 + \frac{1}{2} m \dot{y}^2 + \frac{1}{2} m \dot{z}^2 \right)$
 $= m \dot{x} \ddot{x} + m \dot{y} \ddot{y} + m \dot{z} \ddot{z}$

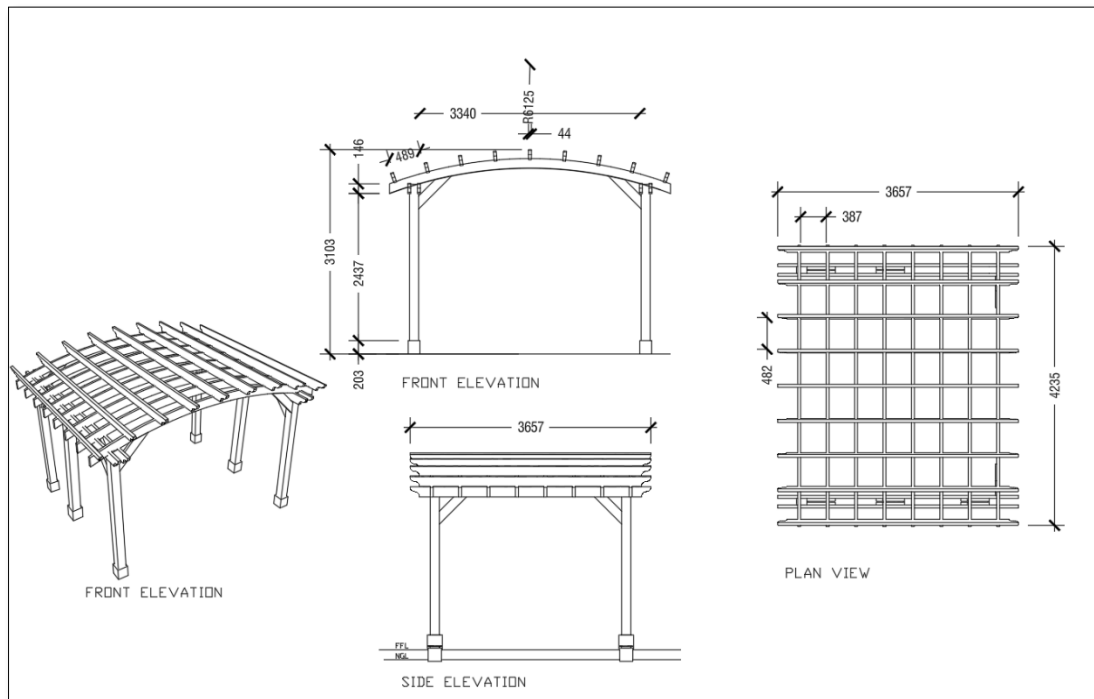
[illegible]

Non Corrosive 4.11

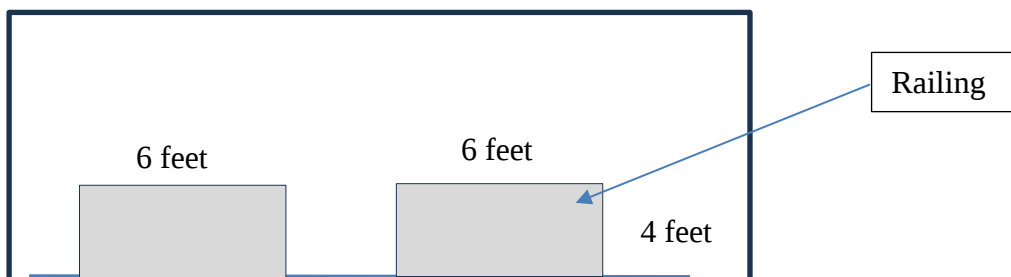
(Light watt: 5) 4.12 $\text{مُورِئُكُيْ} \text{مُورِئُكُيْ} \text{مُورِئُكُيْ} \text{مُورِئُكُيْ} \text{مُورِئُكُيْ}$



IP65 or above) /

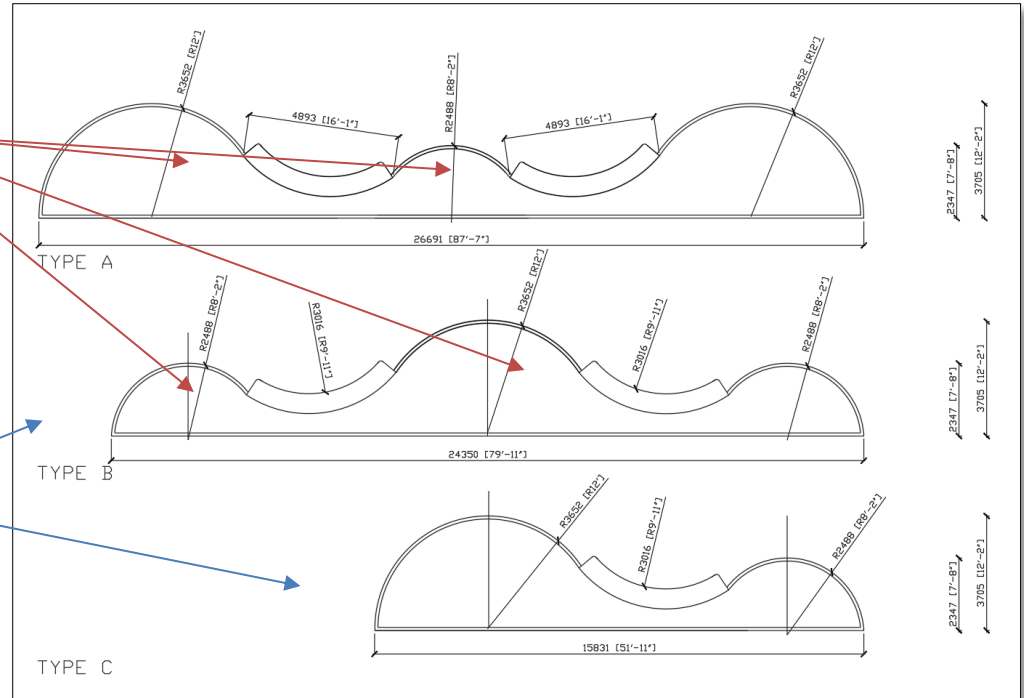


5. تدریس و تدریس

[illegible]

Concrete bench (450mm seating area) with back rest with height of 500 mm at an angle 105 degree slope

Low wall of
6inch height
(plastered and
painted)



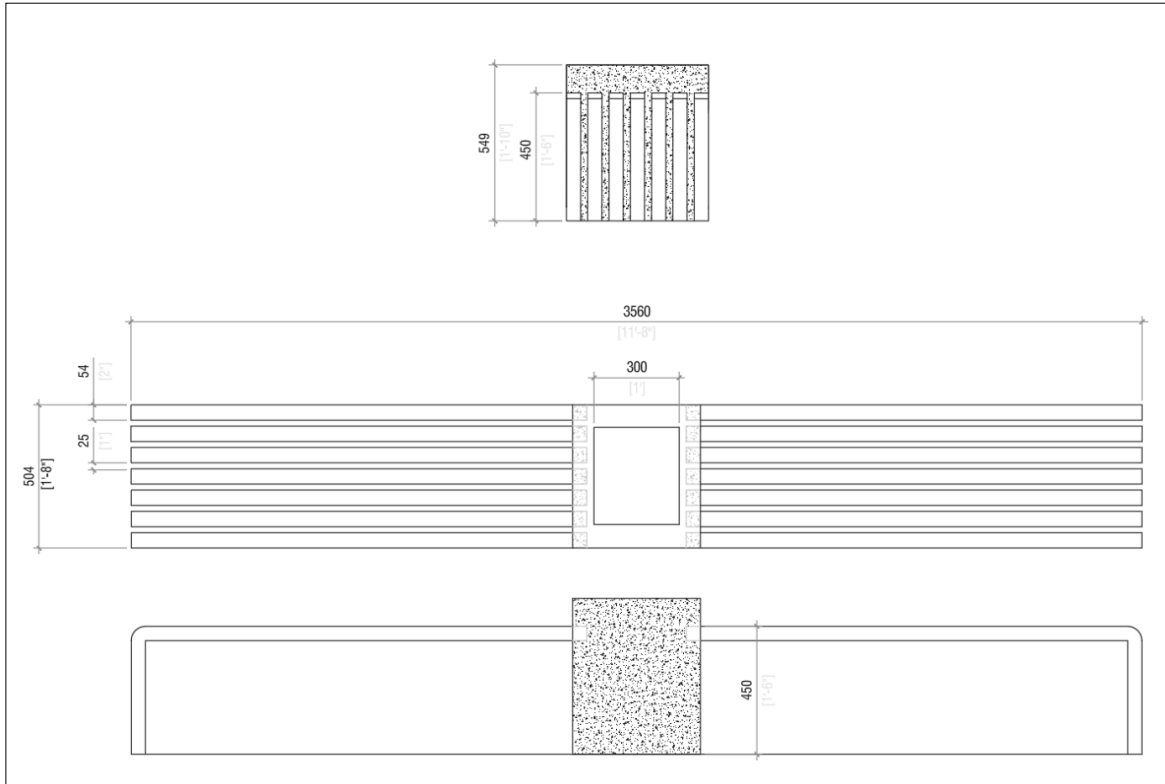
7. $\frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} \times \frac{1}{2}$

[illegible][illegible]

7.1.2 جَعَلُوا 15 هُمْ رَاكِبِينَ فَجَاءَهُمُ الْمَوْتُ مِنْ حَيْثُ لَمْ يَحْتَسِبُوا .

7.1.3 ھەرىكەت ئىسپاتى 17 رەسىمىگە ئىشەنچ.

[illegible][illegible]

[illegible]

7.1.8 $\frac{d}{dt} \left(\frac{1}{2} m v^2 \right) = \frac{1}{2} m \frac{dv^2}{dt}$

[illegible][illegible]

7.3 7.3.1

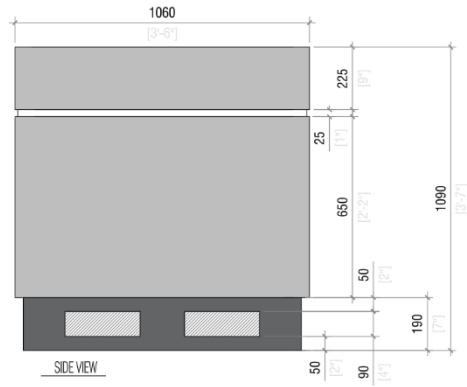
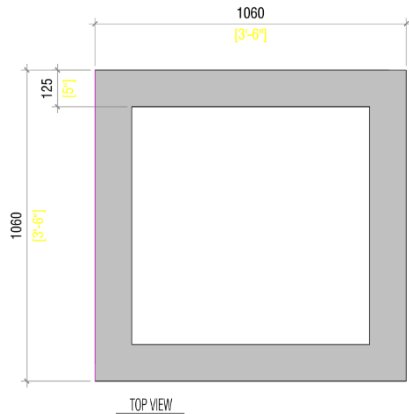
- 7.3.1 7.3.2 7.3.3



9.3 9.3.1 9.3.2

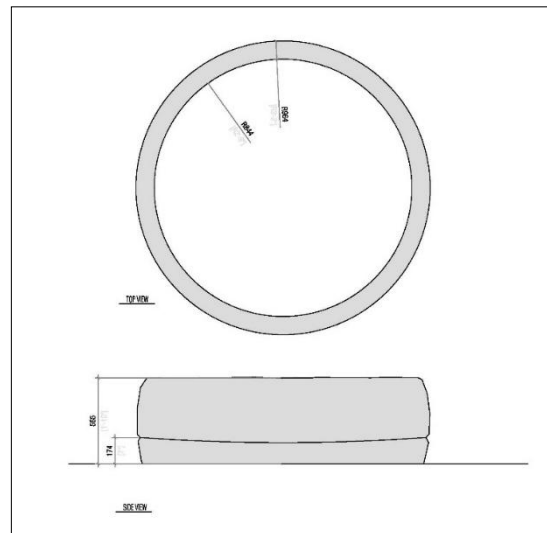
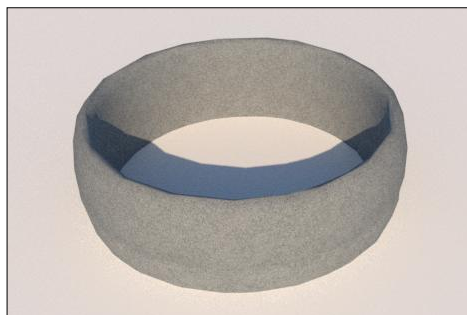
9.3.1 9.3.2

9.3.2



9.4 9.4.1 9.4.2 9.4.3

9.4.1 9.4.2 9.4.3

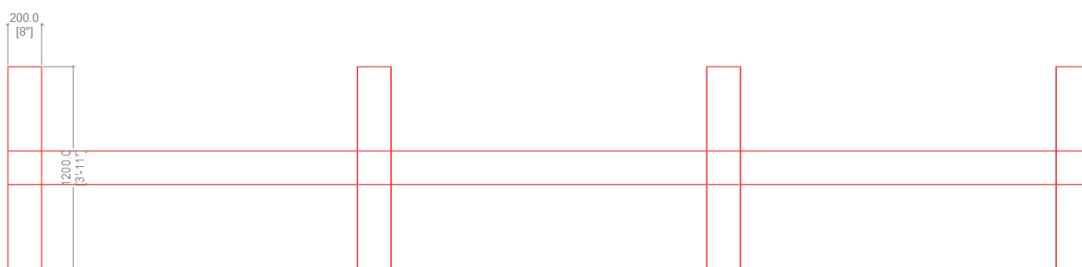


10.12 $E = \frac{1}{2}mv^2$ 9.3 $\frac{1}{2}mv^2 = \frac{1}{2}m_0c^2\beta^2$

D $\frac{1}{2} \times \frac{1}{2}$ 10.13

[illegible]

11. $\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$





13. 13.1 13.2 13.3 13.4 13.5 13.6 13.7 13.8 13.9 13.10



- 13.1 13.2 13.3 13.4 13.5 13.6 13.7 13.8 13.9 13.10

14. 14.1 14.2 14.3 14.4 14.5 14.6 14.7 14.8



- 14.1 14.2 14.3 14.4 14.5 14.6 14.7 14.8



15. **15.1**

15.1. **15.2**

15.2. **15.3**

15.3. **15.4**

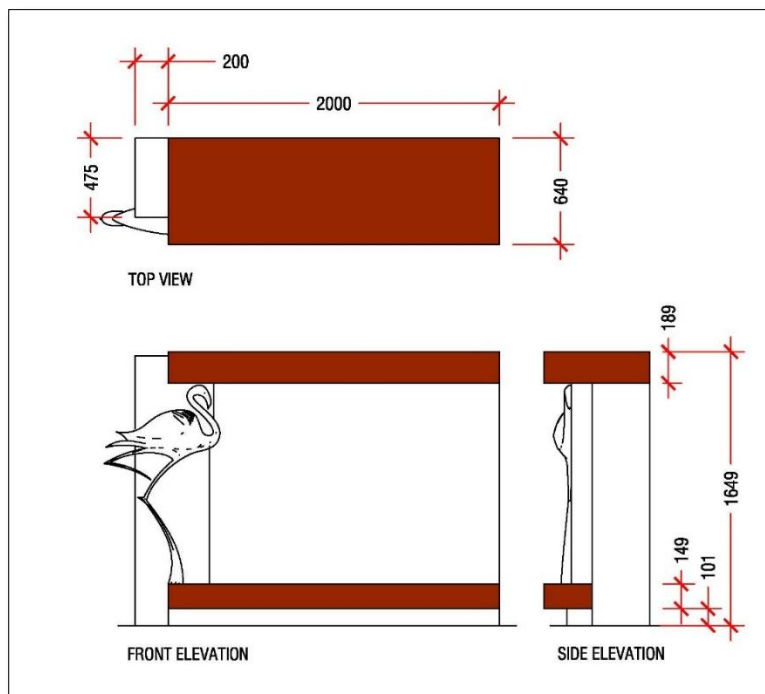
15.4.

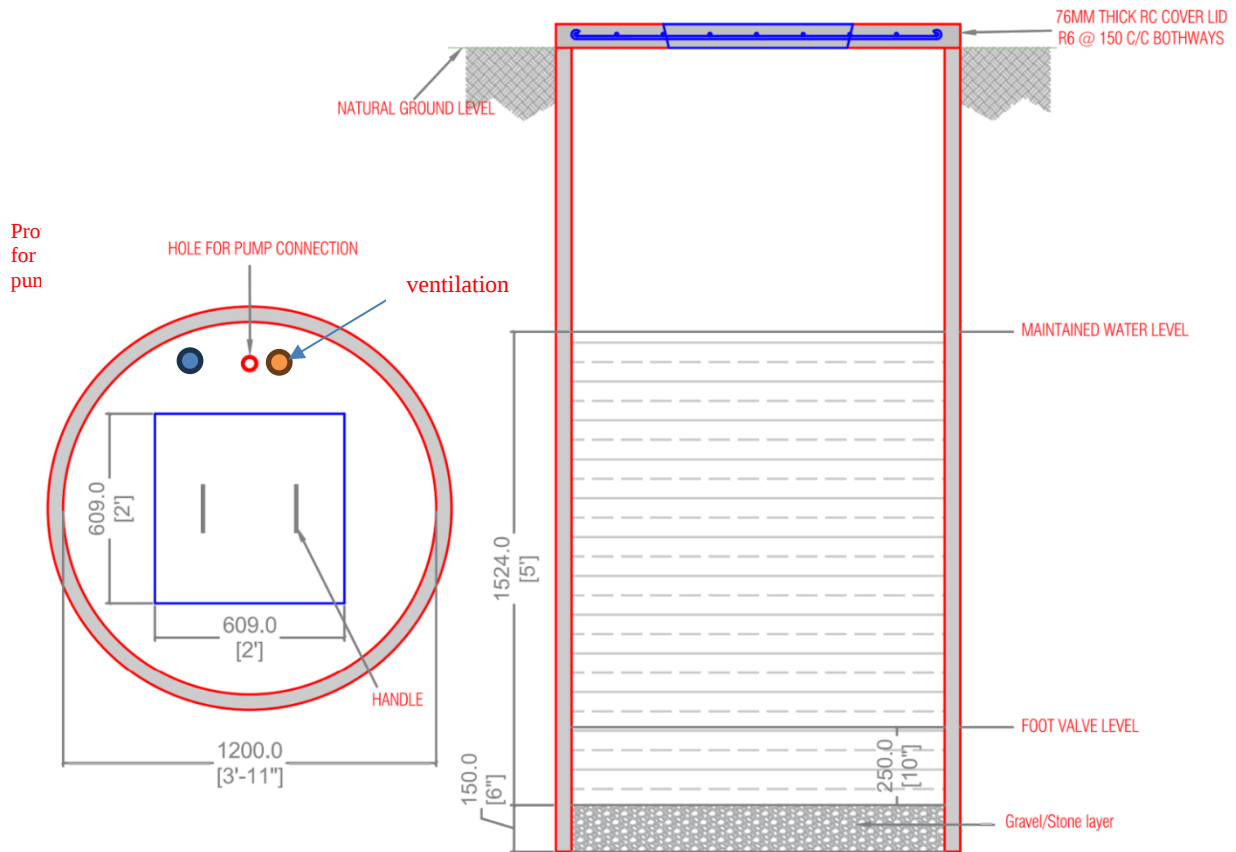
16. 16.1

16.1



- 16.2
- 16.3
- 16.4
- 16.5
- 16.6
- 16.7
- 16.8





17.9 $\frac{1}{2} \frac{d}{dt} \left(\frac{1}{2} m v^2 \right) = \frac{1}{2} m v \frac{dv}{dt}$

17.9.1 $\frac{1}{x^2} = x^{-2}$ $\frac{d}{dx} x^{-2} = -2x^{-3} = -\frac{2}{x^3}$

[illegible]

فَوَيْلٌ لِلْمُصَلِّينَ إِذَا دُخِرَ فِي السَّجْدِ الذُّكُورُ فَهُمُ الْمُهْمَلُونَ (فَوَيْلٌ لِلْمُصَلِّينَ إِذَا دُخِرَ فِي السَّجْدِ الذُّكُورُ فَهُمُ الْمُهْمَلُونَ)

[illegible]

17.9.4 ¹ ² ³ ⁴ ⁵ ⁶ ⁷ ⁸ ⁹ ¹⁰ ¹¹ ¹² ¹³ ¹⁴ ¹⁵ ¹⁶ ¹⁷ ¹⁸ ¹⁹ ²⁰ ²¹ ²² ²³ ²⁴ ²⁵ ²⁶ ²⁷ ²⁸ ²⁹ ³⁰ ³¹ ³² ³³ ³⁴ ³⁵ ³⁶ ³⁷ ³⁸ ³⁹ ⁴⁰ ⁴¹ ⁴² ⁴³ ⁴⁴ ⁴⁵ ⁴⁶ ⁴⁷ ⁴⁸ ⁴⁹ ⁵⁰ ⁵¹ ⁵² ⁵³ ⁵⁴ ⁵⁵ ⁵⁶ ⁵⁷ ⁵⁸ ⁵⁹ ⁶⁰ ⁶¹ ⁶² ⁶³ ⁶⁴ ⁶⁵ ⁶⁶ ⁶⁷ ⁶⁸ ⁶⁹ ⁷⁰ ⁷¹ ⁷² ⁷³ ⁷⁴ ⁷⁵ ⁷⁶ ⁷⁷ ⁷⁸ ⁷⁹ ⁸⁰ ⁸¹ ⁸² ⁸³ ⁸⁴ ⁸⁵ ⁸⁶ ⁸⁷ ⁸⁸ ⁸⁹ ⁹⁰ ⁹¹ ⁹² ⁹³ ⁹⁴ ⁹⁵ ⁹⁶ ⁹⁷ ⁹⁸ ⁹⁹ ¹⁰⁰ ¹⁰¹ ¹⁰² ¹⁰³ ¹⁰⁴ ¹⁰⁵ ¹⁰⁶ ¹⁰⁷ ¹⁰⁸ ¹⁰⁹ ¹¹⁰ ¹¹¹ ¹¹² ¹¹³ ¹¹⁴ ¹¹⁵ ¹¹⁶ ¹¹⁷ ¹¹⁸ ¹¹⁹ ¹²⁰ ¹²¹ ¹²² ¹²³ ¹²⁴ ¹²⁵ ¹²⁶ ¹²⁷ ¹²⁸ ¹²⁹ ¹³⁰ ¹³¹ ¹³² ¹³³ ¹³⁴ ¹³⁵ ¹³⁶ ¹³⁷ ¹³⁸ ¹³⁹ ¹⁴⁰ ¹⁴¹ ¹⁴² ¹⁴³ ¹⁴⁴ ¹⁴⁵ ¹⁴⁶ ¹⁴⁷ ¹⁴⁸ ¹⁴⁹ ¹⁵⁰ ¹⁵¹ ¹⁵² ¹⁵³ ¹⁵⁴ ¹⁵⁵ ¹⁵⁶ ¹⁵⁷ ¹⁵⁸ ¹⁵⁹ ¹⁶⁰ ¹⁶¹ ¹⁶² ¹⁶³ ¹⁶⁴ ¹⁶⁵ ¹⁶⁶ ¹⁶⁷ ¹⁶⁸ ¹⁶⁹ ¹⁷⁰ ¹⁷¹ ¹⁷² ¹⁷³ ¹⁷⁴ ¹⁷⁵ ¹⁷⁶ ¹⁷⁷ ¹⁷⁸ ¹⁷⁹ ¹⁸⁰ ¹⁸¹ ¹⁸² ¹⁸³ ¹⁸⁴ ¹⁸⁵ ¹⁸⁶ ¹⁸⁷ ¹⁸⁸ ¹⁸⁹ ¹⁹⁰ ¹⁹¹ ¹⁹² ¹⁹³ ¹⁹⁴ ¹⁹⁵ ¹⁹⁶ ¹⁹⁷ ¹⁹⁸ ¹⁹⁹ ²⁰⁰ ²⁰¹ ²⁰² ²⁰³ ²⁰⁴ ²⁰⁵ ²⁰⁶ ²⁰⁷ ²⁰⁸ ²⁰⁹ ²¹⁰ ²¹¹ ²¹² ²¹³ ²¹⁴ ²¹⁵ ²¹⁶ ²¹⁷ ²¹⁸ ²¹⁹ ²²⁰ ²²¹ ²²² ²²³ ²²⁴ ²²⁵ ²²⁶ ²²⁷ ²²⁸ ²²⁹ ²³⁰ ²³¹ ²³² ²³³ ²³⁴ ²³⁵ ²³⁶ ²³⁷ ²³⁸ ²³⁹ ²⁴⁰ ²⁴¹ ²⁴² ²⁴³ ²⁴⁴ ²⁴⁵ ²⁴⁶ ²⁴⁷ ²⁴⁸ ²⁴⁹ ²⁵⁰ ²⁵¹ ²⁵² ²⁵³ ²⁵⁴ ²⁵⁵ ²⁵⁶ ²⁵⁷ ²⁵⁸ ²⁵⁹ ²⁶⁰ ²⁶¹ ²⁶² ²⁶³ ²⁶⁴ ²⁶⁵ ²⁶⁶ ²⁶⁷ ²⁶⁸ ²⁶⁹ ²⁷⁰ ²⁷¹ ²⁷² ²⁷³ ²⁷⁴ ²⁷⁵ ²⁷⁶ ²⁷⁷ ²⁷⁸ ²⁷⁹ ²⁸⁰ ²⁸¹ ²⁸² ²⁸³ ²⁸⁴ ²⁸⁵ ²⁸⁶ ²⁸⁷ ²⁸⁸ ²⁸⁹ ²⁹⁰ ²⁹¹ ²⁹² ²⁹³ ²⁹⁴ ²⁹⁵ ²⁹⁶ ²⁹⁷ ²⁹⁸ ²⁹⁹ ³⁰⁰ ³⁰¹ ³⁰² ³⁰³ ³⁰⁴ ³⁰⁵ ³⁰⁶ ³⁰⁷ ³⁰⁸ ³⁰⁹ ³¹⁰ ³¹¹ ³¹² ³¹³ ³¹⁴ ³¹⁵ ³¹⁶ ³¹⁷ ³¹⁸ ³¹⁹ ³²⁰ ³²¹ ³²² ³²³ ³²⁴ ³²⁵ ³²⁶ ³²⁷ ³²⁸ ³²⁹ ³³⁰ ³³¹ ³³² ³³³ ³³⁴ ³³⁵ ³³⁶ ³³⁷ ³³⁸ ³³⁹ ³⁴⁰ ³⁴¹ ³⁴² ³⁴³ ³⁴⁴ ³⁴⁵ ³⁴⁶ ³⁴⁷ ³⁴⁸ ³⁴⁹ ³⁵⁰ ³⁵¹ ³⁵² ³⁵³ ³⁵⁴ ³⁵⁵ ³⁵⁶ ³⁵⁷ ³⁵⁸ ³⁵⁹ ³⁶⁰ ³⁶¹ ³⁶² ³⁶³ ³⁶⁴ ³⁶⁵ ³⁶⁶ ³⁶⁷ ³⁶⁸ ³⁶⁹ ³⁷⁰ ³⁷¹ ³⁷² ³⁷³ ³⁷⁴ ³⁷⁵ ³⁷⁶ ³⁷⁷ ³⁷⁸ ³⁷⁹ ³⁸⁰ ³⁸¹ ³⁸² ³⁸³ ³⁸⁴ ³⁸⁵ ³⁸⁶ ³⁸⁷ ³⁸⁸ ³⁸⁹ ³⁹⁰ ³⁹¹ ³⁹² ³⁹³ ³⁹⁴ ³⁹⁵ ³⁹⁶ ³⁹⁷ ³⁹⁸ ³⁹⁹ ⁴⁰⁰ ⁴⁰¹ ⁴⁰² ⁴⁰³ ⁴⁰⁴ ⁴⁰⁵ ⁴⁰⁶ ⁴⁰⁷ ⁴⁰⁸ ⁴⁰⁹ ⁴¹⁰ ⁴¹¹ ⁴¹² ⁴¹³ ⁴¹⁴ ⁴¹⁵ ⁴¹⁶ ⁴¹⁷ ⁴¹⁸ ⁴¹⁹ ⁴²⁰ ⁴²¹ ⁴²² ⁴²³ ⁴²⁴ ⁴²⁵ ⁴²⁶ ⁴²⁷ ⁴²⁸ ⁴²⁹ ⁴³⁰ ⁴³¹ ⁴³² ⁴³³ ⁴³⁴ ⁴³⁵ ⁴³⁶ ⁴³⁷ ⁴³⁸ ⁴³⁹ ⁴⁴⁰ ⁴⁴¹ ⁴⁴² ⁴⁴³ ⁴⁴⁴ ⁴⁴⁵ ⁴⁴⁶ ⁴⁴⁷ ⁴⁴⁸ ⁴⁴⁹ ⁴⁵⁰ ⁴⁵¹ ⁴⁵² ⁴⁵³ ⁴⁵⁴ ⁴⁵⁵ ⁴⁵⁶ ⁴⁵⁷ ⁴⁵⁸ ⁴⁵⁹ ⁴⁶⁰ ⁴⁶¹ ⁴⁶² ⁴⁶³ ⁴⁶⁴ ⁴⁶⁵ ⁴⁶⁶

[illegible][illegible]

17.9.7 پاكستان ۽ زمين جي ڀرندڙ ڪنٽرولنگ 75 ڊويزنن ۾ ڪوٽڻ جي منصوبو ٺاهيو. ڊسمبر ۾ 6 ڊويزن ۽ ٽڪرن ۾ ٽڪرن جي ٺاهڻ جي منصوبو ٺاهيو. 150 ڊويزنن ۾ ڪوٽڻ جي منصوبو ٺاهيو. ٽڪرن جي ٺاهڻ جي منصوبو ٺاهيو.

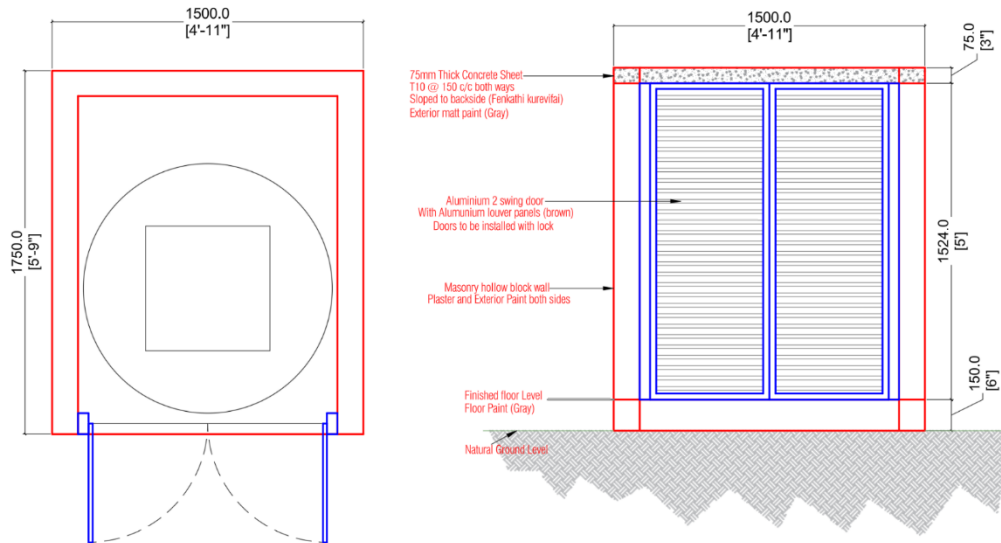
17.9.8 يَصْطَعُ دَمِيذِرَ اَرْتَرَ اِمْرِدَمِيذِرَ اِنْسَجِجِرَ نَوُوْ مَسْرُوْ سُرُوْ. (رَبِّيْ نَوُوْ)

[illegible][illegible]

17.9.11 مکتبہ عربیہ اسلامیہ، کراچی، پاکستان

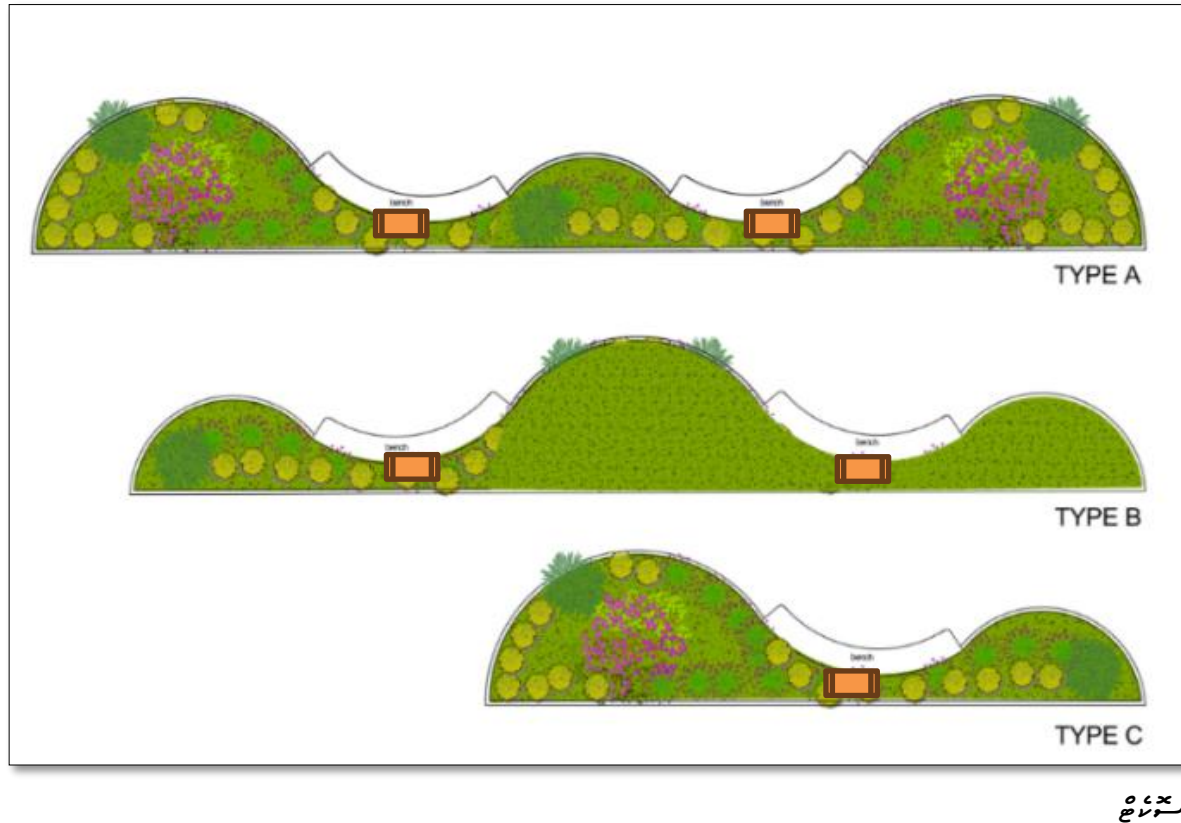
[illegible][illegible][illegible]

- 17.9.15. 17.9.16. 17.9.17.



18. 18.1. 18.2. 18.3. 18.4. 18.5. 18.6. 18.7. 18.8. 18.9. 18.10. 18.11. 18.12.

- 18.1. 18.2. 18.3. 18.4. 18.5. 18.6. 18.7. 18.8. 18.9. 18.10. 18.11. 18.12.



20. 20.1

20.1 20.1

The proposed drain system details for designing:

- There must be a crossing (200mm dia) pipe from each adjacent lane leading to the mangrove, ground covering 250 mm.
- Install an RCC drain at the end of each lane, directed towards the pedestrian road.
- Use RF single mesh at 150cc spacing.
- Drain size: 1100mm (L) × 500mm (W) × 600mm (D)
- RC concrete thickness: 85mm
- Drain cover: 1000mm × 400mm × 85mm (to be provided by the Council, available by early December)

21. ድህረ ምረቃ ስርዓት ለማካተት የሚያስፈልጉት መረጃዎች

- 21.1 ድህረ ምረቃ ስርዓት ለማካተት የሚያስፈልጉት መረጃዎች ለሀገራችን ሕግና ስርዓት መሰረታዊ መረጃዎች ሆኖ መሰጠቱን ያረጋግጣል፡፡
- 21.2 ድህረ ምረቃ ስርዓት ለማካተት የሚያስፈልጉት መረጃዎች ለሀገራችን ሕግና ስርዓት መሰረታዊ መረጃዎች ሆኖ መሰጠቱን ያረጋግጣል፡፡
- 21.3 ድህረ ምረቃ ስርዓት ለማካተት የሚያስፈልጉት መረጃዎች ለሀገራችን ሕግና ስርዓት መሰረታዊ መረጃዎች ሆኖ መሰጠቱን ያረጋግጣል፡፡
- 21.4 ድህረ ምረቃ ስርዓት ለማካተት የሚያስፈልጉት መረጃዎች ለሀገራችን ሕግና ስርዓት መሰረታዊ መረጃዎች ሆኖ መሰጠቱን ያረጋግጣል፡፡
- 21.5 ድህረ ምረቃ ስርዓት ለማካተት የሚያስፈልጉት መረጃዎች ለሀገራችን ሕግና ስርዓት መሰረታዊ መረጃዎች ሆኖ መሰጠቱን ያረጋግጣል፡፡
- 21.6 ድህረ ምረቃ ስርዓት ለማካተት የሚያስፈልጉት መረጃዎች ለሀገራችን ሕግና ስርዓት መሰረታዊ መረጃዎች ሆኖ መሰጠቱን ያረጋግጣል፡፡
- 21.7 ድህረ ምረቃ ስርዓት ለማካተት የሚያስፈልጉት መረጃዎች ለሀገራችን ሕግና ስርዓት መሰረታዊ መረጃዎች ሆኖ መሰጠቱን ያረጋግጣል፡፡
- 21.8 ድህረ ምረቃ ስርዓት ለማካተት የሚያስፈልጉት መረጃዎች ለሀገራችን ሕግና ስርዓት መሰረታዊ መረጃዎች ሆኖ መሰጠቱን ያረጋግጣል፡፡
- 21.9 ድህረ ምረቃ ስርዓት ለማካተት የሚያስፈልጉት መረጃዎች ለሀገራችን ሕግና ስርዓት መሰረታዊ መረጃዎች ሆኖ መሰጠቱን ያረጋግጣል፡፡
- 21.10 ድህረ ምረቃ ስርዓት ለማካተት የሚያስፈልጉት መረጃዎች ለሀገራችን ሕግና ስርዓት መሰረታዊ መረጃዎች ሆኖ መሰጠቱን ያረጋግጣል፡፡
- 21.11 ድህረ ምረቃ ስርዓት ለማካተት የሚያስፈልጉት መረጃዎች ለሀገራችን ሕግና ስርዓት መሰረታዊ መረጃዎች ሆኖ መሰጠቱን ያረጋግጣል፡፡
- 21.12 ድህረ ምረቃ ስርዓት ለማካተት የሚያስፈልጉት መረጃዎች ለሀገራችን ሕግና ስርዓት መሰረታዊ መረጃዎች ሆኖ መሰጠቱን ያረጋግጣል፡፡

ማሳሰቢያ: ይህ ስርዓት ለማካተት የሚያስፈልጉት መረጃዎች ለሀገራችን ሕግና ስርዓት መሰረታዊ መረጃዎች ሆኖ መሰጠቱን ያረጋግጣል፡፡

Pump Specification:

OPERATING LIMITS

Maximum capacity (@260kPa, nil suction) lpm			165
Maximum suction head (m)	7.5		
Maximum water temperature	50°C		
Minimum water temperature	1°C		
Inlet size	1½" BSP(F)		
Outlet size	1¼" BSP(F)		

ELECTRICAL DATA

Supply voltage (1ø)	220-250		
Supply voltage (3ø)			380-450
Output power (kW)			1.8
Maximum rated current @ 240V/415V (amps)			10/4.2
Locked rotor current @ 240V/415V (amps)			39/24
Insulation class	F		
IP rating	IP56		
Maximum ambient temperature	50°C		
Starting (1ø)	P.S.C.		

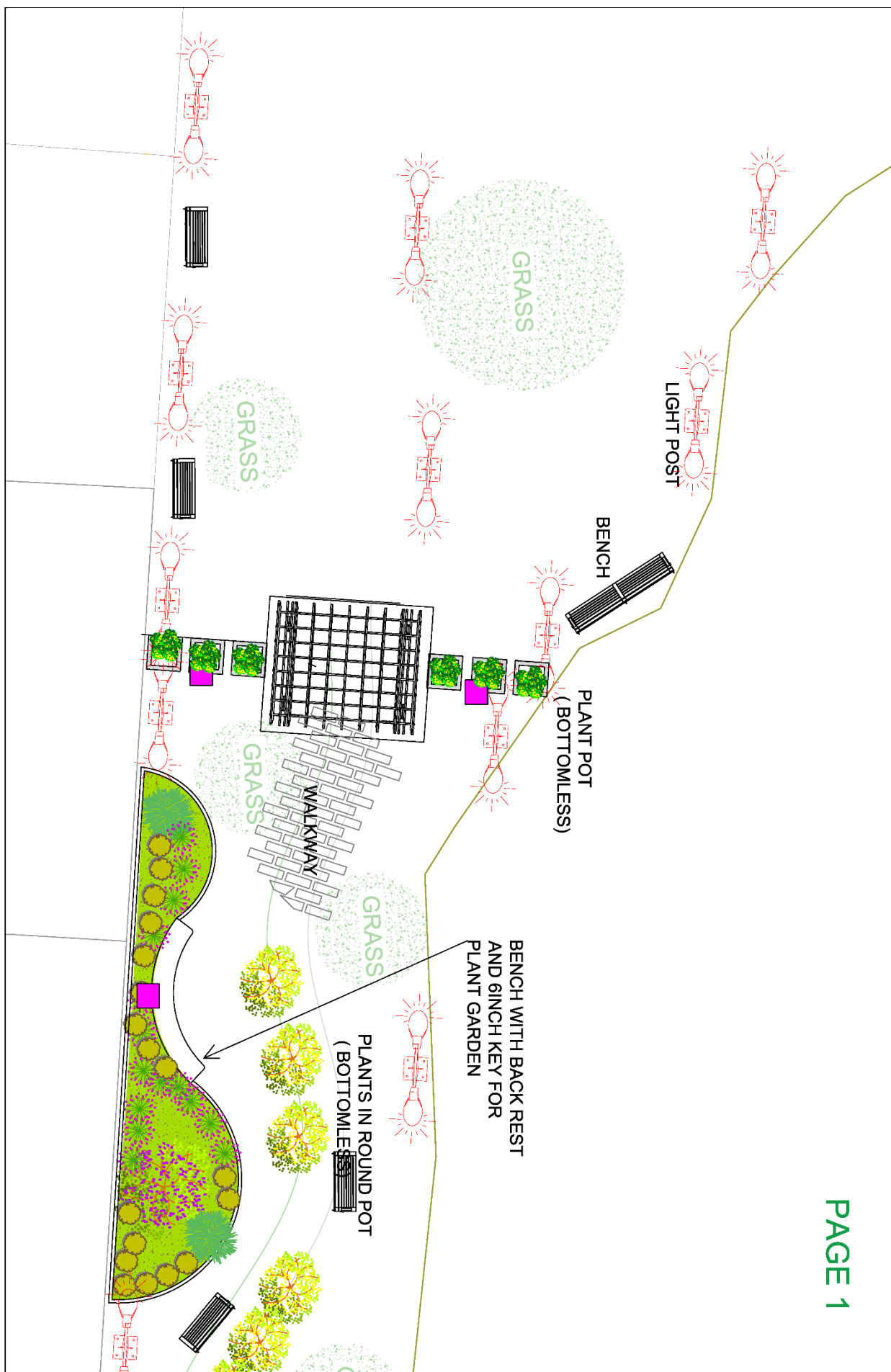
MATERIALS OF CONSTRUCTION

PART	MATERIAL
Suction cover	Aluminium-Rilsan® lined
Pump body	Aluminium-Rilsan® lined
Discharge port	Aluminium-Rilsan® lined
Diffuser	Glass filled Noryl
Backplate	Glass filled Noryl
Jet/Venturi housing	Glass filled Noryl
Impeller	Glass filled polycarbonate
Jet	Acetyl
Venturi	Acetyl
Seal ring (stationary)	Ceramic
Seal ring (rotating)	Carbon
O-rings	Nitrile rubber
Priming plug	Nylon
Shaft sleeve	316 stainless steel
Motor shell	Aluminium
Motor shell finish	Polyester powder coat
Capacitor cover	Polypropylene
Terminal box cover	Polypropylene
Mounting feet	Xenoy®

DIMENSIONS (MM)

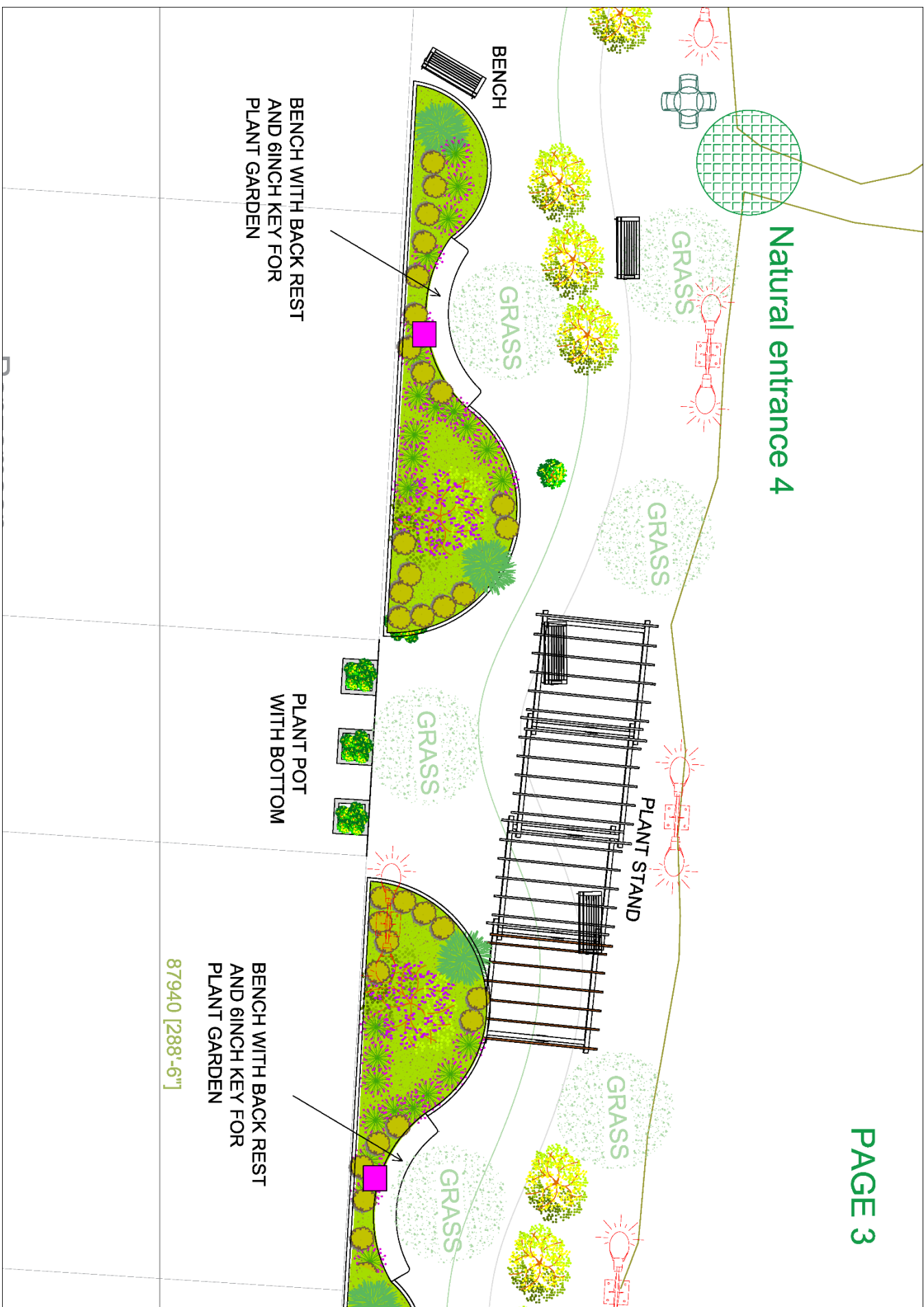
Model	A	B	C	D	E	F	G	Inlet B.S.P.	Outlet B.S.P.	Net Weight (kg)
095S	535	365	300	158	320	210	210	1½"F	1¼"F	22
125S	555	365	300	158	320	230	210	1½"F	1¼"F	24.5
165S	585	365	300	158	320	230	210	1½"F	1¼"F	25

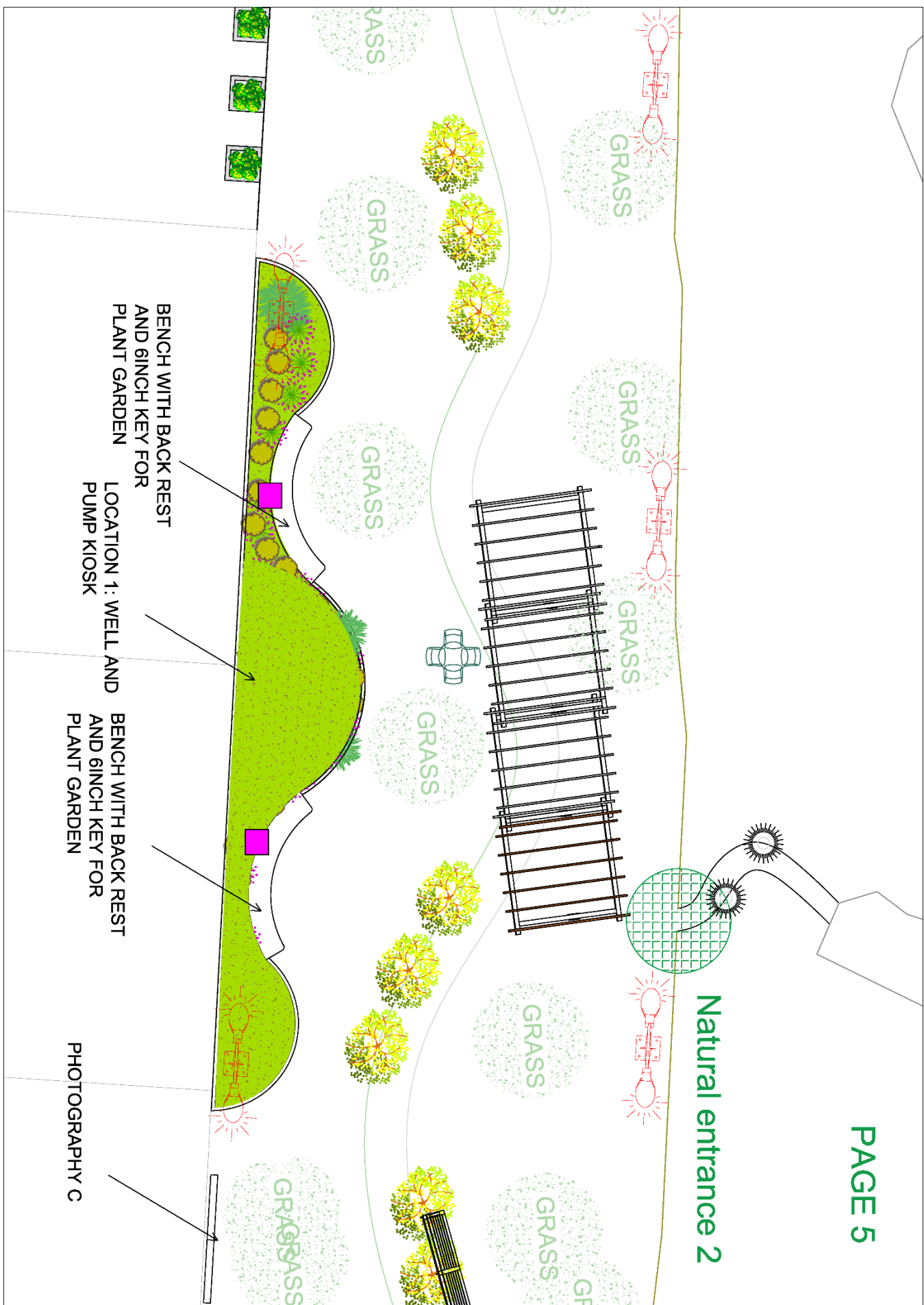
PERFORMANCE																										
Pump Model	Jet Kit No.	Total Suction Head		Delivery Head in metres/feet																		Maximum Shut-Off Pressure	Pressure Switch Setting			
				26	85	28	92	34	112	38	125	41	135	48	157	55	180	62	203	66	217					
				Delivery Head in kPa/psi																						
		m	ft	260	38	280	41	340	49	380	55	410	59	480	70	550	80	620	90	660	96	kPa	psi	kPa	psi	
Output per minute in litres/gallons																										
165S 3ph 2.4kW * 1.8kW ◊ 10.0A	22697* Jet-White Venturi-Yellow	0	0	165	36.2	165	36.2	105	23.0	77	16.9	62	13.6										490	71	260 to 380	38 to 55
		1.5	5	144	31.6	144	31.6	90	19.7	67	14.5	53	11.6										480	70		
		4.0	13	120	26.3	120	26.3	82	18.0	58	12.7	38	8.3										454	66		
		6.0	20	90	19.7	90	19.7	76	16.7	52	11.4	26	5.7										440	64		
	7.5	25	70	15.3	70	15.3	60	13.1	32	7.0													415	60		
3ph 2.3kW * 1.8kW ◊ 4.2A	22698 Jet-Red Venturi-Red	0	0							112	24.6	88	19.3	76	16.7	51	11.2	26	5.7				630	91	340 to 510	49 to 74
		1.5	5							100	21.9	82	18.0	71	15.6	47	10.3	22	4.8				622	90		
		4.0	13							88	19.3	75	16.4	64	14.0	41	9.0	16	3.5				598	87		
		6.0	20							70	15.3	64	14.0	57	12.5	32	7.0	8	1.7				572	83		
	7.5	25							54	11.8	54	11.8	50	10.9	26	5.7							552	80		
Jet-Red Venturi-Green	0	0													53	11.6	42	9.2	30	6.5	24	5.3	830	120	480 to 660	70 to 96
	1.5	5													50	10.9	39	8.5	28	6.1	22	4.8	823	119		
	4.0	13													48	10.5	36	7.9	25	5.4	20	4.4	805	117		
	6.0	20													43	9.4	34	7.4	23	5.0	17	3.7	795	115		
7.5	25													34	7.6	32	7.0	21	4.6	16	3.5	778	113			



PAGE 2

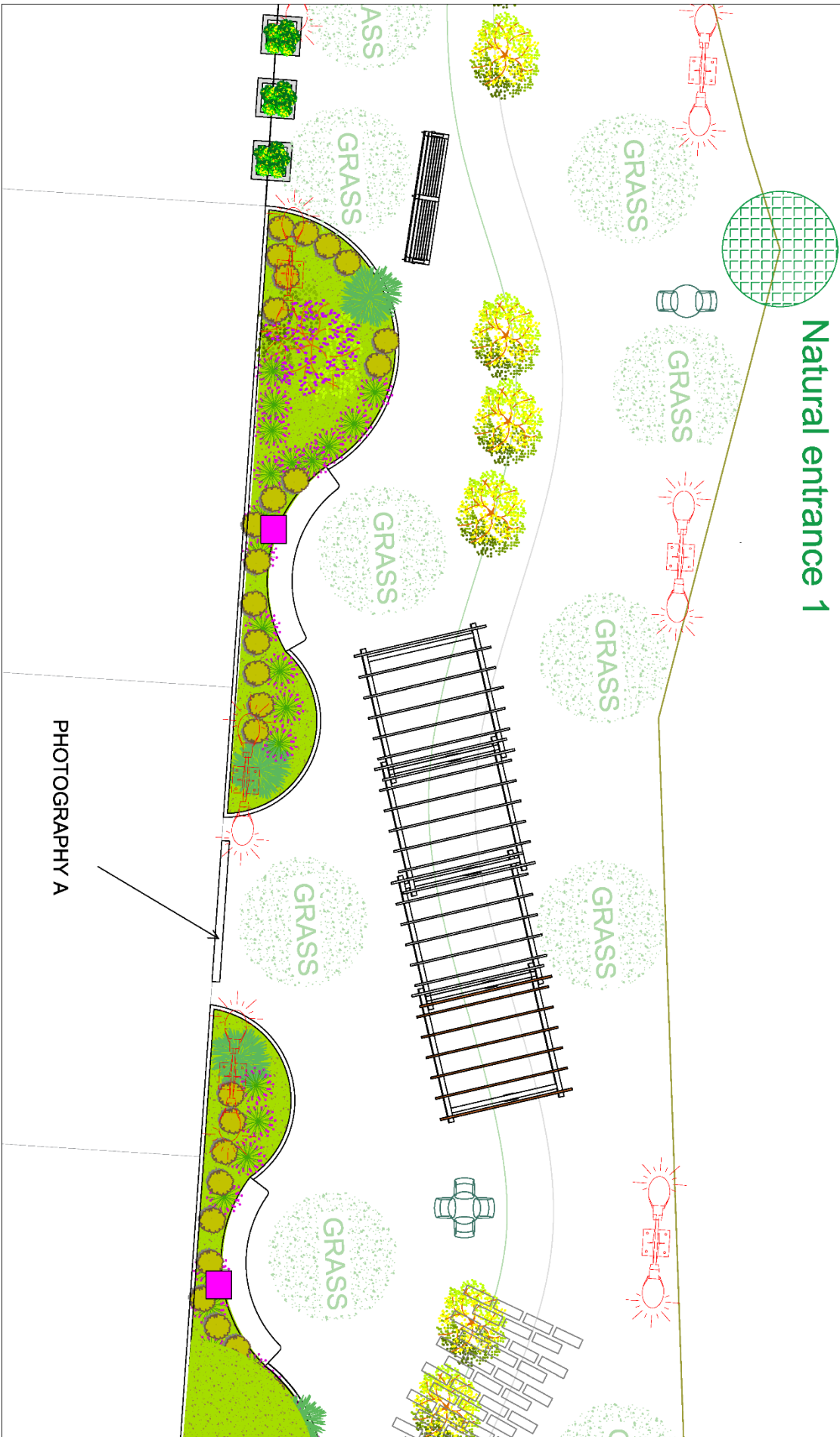


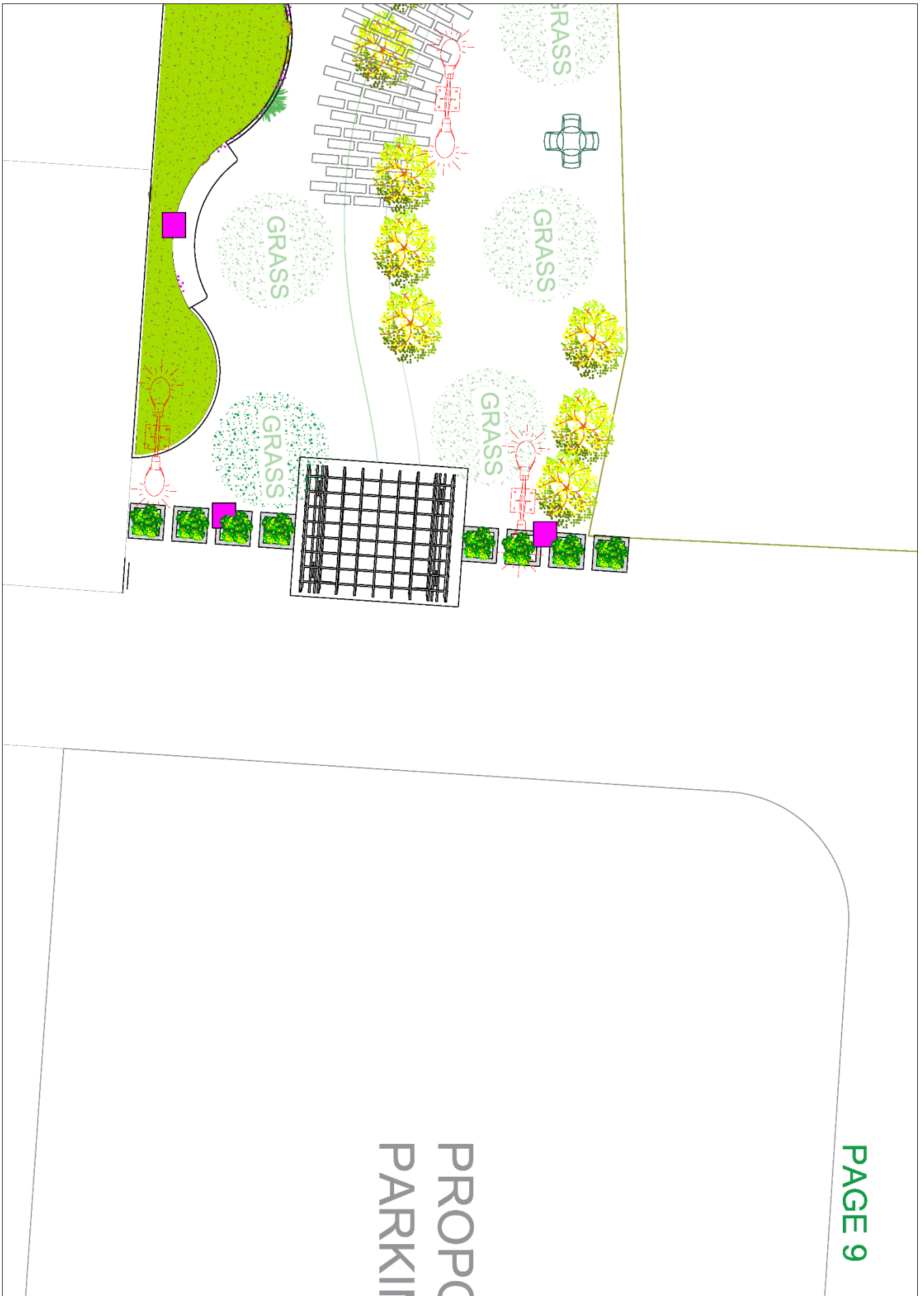






Natural entrance 1





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