| | | | | | |
|---|---|---|---|---|---|
| | | N26 52'0.3" E114 55'38" | | | |
| | | 19974.63 $^{2}$<br>38366.74 $^{2}$ 8187.6 $^{2}$<br>40.99% 1.83 15% 2<br>4 | | | |
| | | | | 15000 | |
| | | 9073 | $^{2}$ | 2.0 | |
| | | | | 0 | |
| | | 2018 6 | | 2021 12 | |
| | $^{3}$ | | | | |
| | | 0.92 | 0.92 | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | /( $^{2}$. ) | 400 | /( $^{2}$. ) | 500 | |
| | | | | | |
| | | 400 | | | |
| | $^{2}$ | 2.00 | | | |
| | | | | | |
| | % | 98 | | 1 | |
| | % | 99 | % | 92 | |
| | % | 98 | % | 15 | |
| | (1) 0.12 $^{3}$<br>0.12 $^{3}$ 0.30 $^{2}$<br>820 26 33<br>(2) 0.30 $^{2}$<br>(3) 5 3<br>630<br>3<br>0.3 $^{2}$<br>80<br>0.04 $^{2}$ 0.04 $^{2}$ | | | | |
| | | 15.27 | | 45 | |

9.24

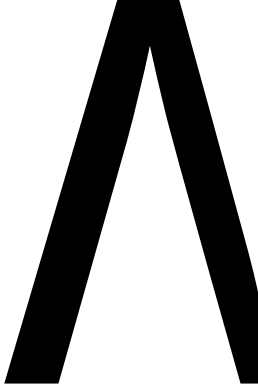
2.00

1.37

4

5

89.85



**.....1**

**.....1**

**1 .....1**

**2 .....2**

2.1 .....2

2.2 ..... 3

2.3 ..... 3

2.4 ..... 4

2.5 ..... 4

2.6 ..... 4

**3 .....7**

3.1 .....7

3.2 .....7

3.3 .....15

**4 .....15**

4.1 ..... 17

4.2 ..... 18

4.3 .....18

4.4 .....24

4.5 .....25

**5 .....26**

5.1 .....26

5.2 .....27

5.3 ..... 27

5.4 .....29

5.5 ..... 32

**6 .....34**

6.1 ..... 34

6.2 ..... 38

**7 .....42**

7.1 .....

7.2 ..... 42

1 ;

2

3

1

2

3

4

5

6

7

8

9

10

11

# 1

2020 12

GB50433-2018

GB/ 50434-2018

2020 12

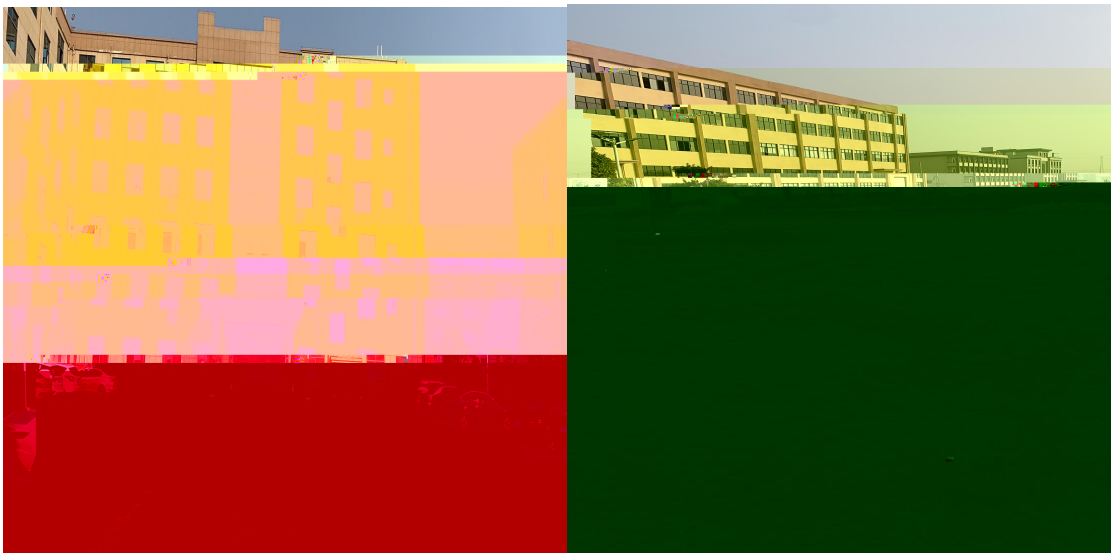
# 2

## 2.1

### 2.1.1

N26 52'0.3" E114 55'38" 2018 6 2021 12 400 $^2$

2.1



**2.1**

### 2.1.2

2.0 $^2$

19974.63 $^2$ 38366.74 $^2$ 8187.6 $^2$

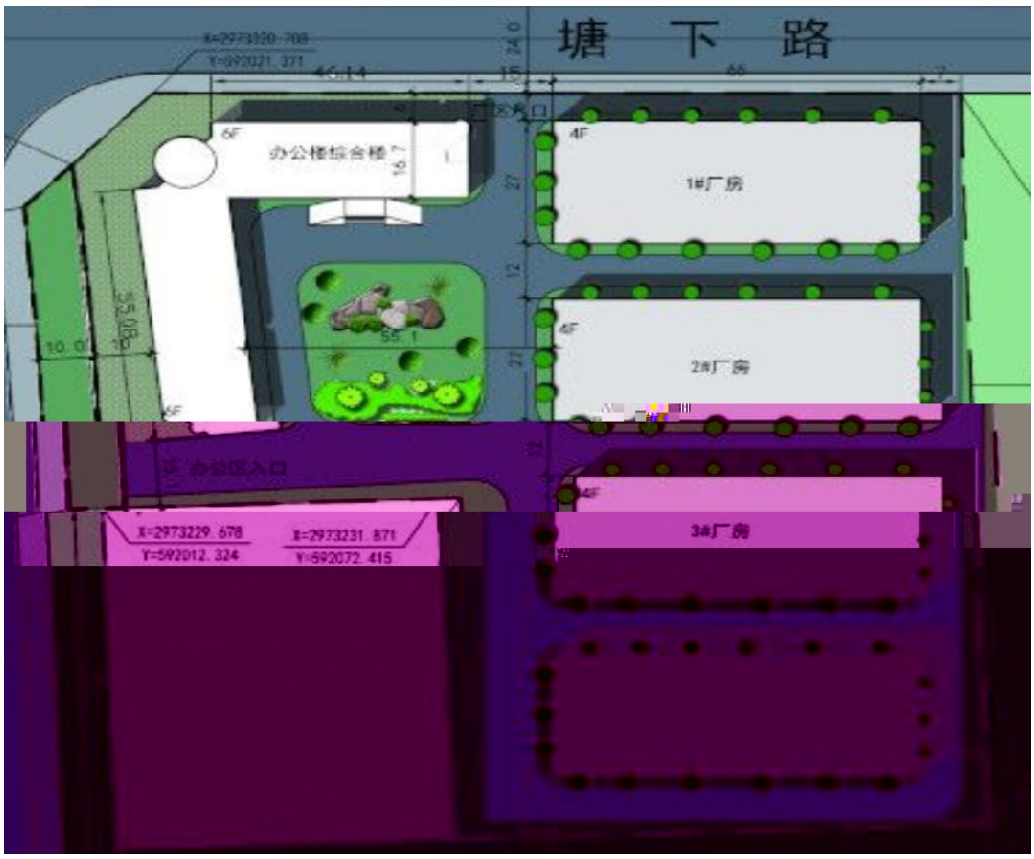
40.99% 1.83 15% 2 4

1# 2# 3# 4# 2-1

2.2

**2-1**

| | | | |
|---|---|---|---|
| | | | |
| | 19974.63 | 2 | |
| | 38366.74 | 2 | |
| | 1.83 | | |
| | 8187.6 | 2 | |
| | 40.99 | % | |
| | 15 | % | |




**2.2**

## 2.2

82.6 83.5

0 83.2 82.8 83.2 82.4

## 2.3

20 30 ,

0.40 2 0.12 3

0.30 2 30 40 0.12 3

0.8 3 0.8 3

1.84 3 0.92 3(

0.12 3) 0.92 3 0.12 3

2-2

**2-2 m³**

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | |
| | | 0.8 | 0.8 | | | | | | | | |
| | | 0.12 | 0.12 | | | | | | | | |
| | | 0.92 | 0.92 | | | | | | | | |

## 2.4

15000

9073 2018 6 2021 12

## 2.5

GB50433-2018

2018 6 2021 12

2022

## 2.6

### 2.6.1

82.6 83.5 0.9

0 5

### 2.6.2

1

2.40 4.70 74.14 74.70 1.30 3.60
75.24 75.80
2

**2.6.3**

1726 , 18.6 281
10 5600 1.7 /

**2.6.4**

1.2 827
8.3 104 2
52 14
6.5
24.21 50
23.76 20 23.25 10 22.68 5 22.12 3
21.57

**2.6.5**

0.4 2 20 30 0.12 3 0.0039

20%

# 3

## 3.1

GB50433-2018

3-1

**3-1**

| | | | |
|---|---|---|---|
| | | | |
| | | | |
| 1 | | | |
| | | | |
| | | | |
| 1 | | | |
| 2 | | | |
| 3 | | | |

3-1

## 3.2

### 3.2.1

20%

15%

**3.2.2**

2.0 $^{2}$

**3.2.3**

1.84 $^{3}$ 0.92 $^{3}$

0.12 $^{3}$ 0.92 $^{3}$ 0.12 $^{3}$

**3-2**

| | | | |
|---|---|---|---|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |

3-2

**2**

GB50433-2018

0.12 3

**3.2.4**

**3.2.5**

**3.2.6**

1

3-3

**3-3**

| | | | |
|---|---|---|---|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |

| | | | |
|---|---|---|---|
| | | | |
| 7 | | | |

3-5

2

**3.2.7**

1

0.4 2

20 30 0.14 3

2

0.30 2

30 40 0.14 3

3

0.30 2

4

820 26 33

=

L/S

L/

0.65

( )

$$q = \frac{5007(1 + 0.48 \lg P)}{(t+10)^{0.92}}$$

2

10

=2.0

=

3/

2

/

= 1 2/3 1/2

/

DN300

3-6

**3-6**

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |
| | | | | | $Q_{满} = A \cdot C \cdot \sqrt{Ri} = 1/n \cdot A \cdot R^{2/3} \cdot i^{1/2}$ | | | | | |
| | | | | | | | | | | |
| | 363.9 | 0.65 | 0.30 | 0.071 | 0.3 | 0.007 | 0.009 | 0.07 | 0.08 | 0.117 |

Q =0.117 3/ >Q =0.071 3/

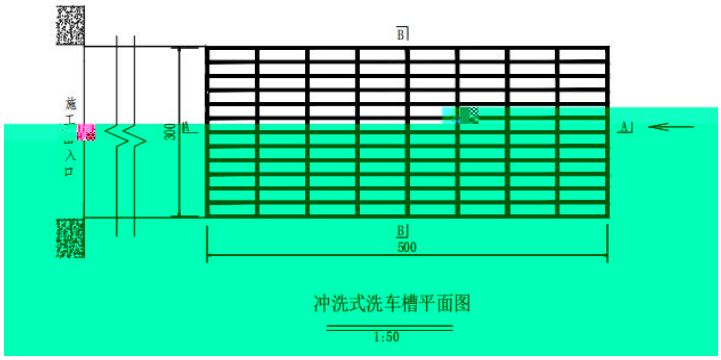
1

0.30 2

1 --

1 5 3

3.1




**3.1**

2

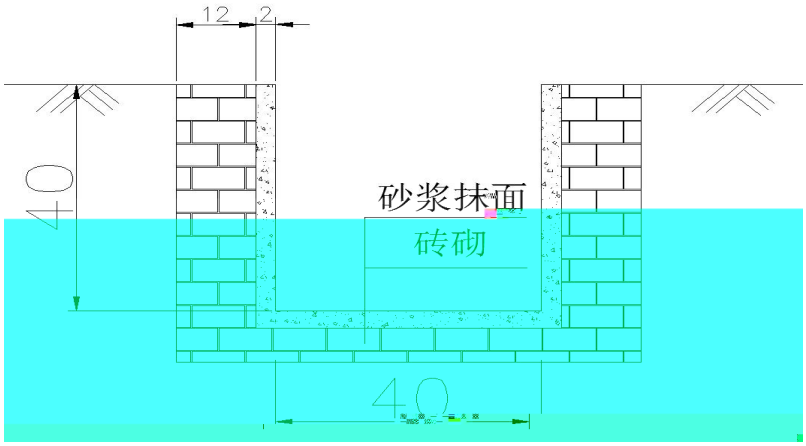
20 M10 630

**3-7 H Q**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Q=16.67 F | | | | Q = 1/ A $R^{2/3}$ $^{1/2}$ | | | | |
| | | / | F $^{2}$ | Q $^{3}$/ | | | | | Q $^{3}$/ |
| | 0.55 | 1.98 | 0.017 | 0.309 | 0.4 | 0.35 | 0.02 | 0.013 | 0.385 |

Q =0.385 $^{3}$/ Q 0.309 $^{3}$/ 0.05

0.4 0.4 3.2




**3.2**

60 120

20 M10 3-8

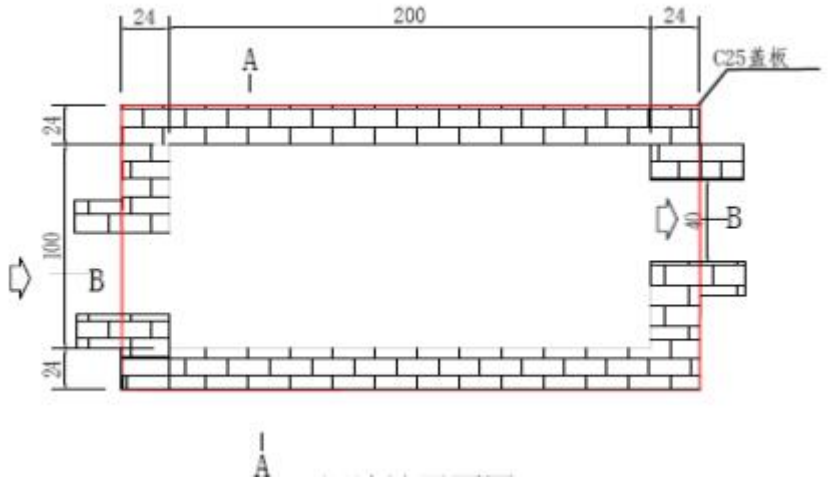
**3-8**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | | $^{3}$/ | $^{3}$/ | M10 ( $^{2}$/ ) | $^{3}$/ |
| | | 0.4 | 0.4 | 0.29 | 0.13 | 0.69 | 0.16 |

3

3

3.3




**3.3**

2000 1000 1500

120 240

30 M10 100 C25

3-9

**3-9**

| | | | | | | | M10 ( $^2$ ) | C25 ( $^3$ ) | $^3$/ |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | $^3$ | $^3$ | | | |
| | | 2 | 1 | 1.5 | 5.94 | 2.95 | 9 | 0.37 | 3.0 |

## 3.3

1

2

3-9

**3-9**

| | | | | |
|---|---|---|---|---|
| | | | --- | --- |
| | | | --- | --- |
| | | | --- | |

# 4

## 4.1

1

2019

2660.26 $^2$ 487.59 $^2$ 18.33%

457.70 $^2$ 93.86% 21.63 $^2$

4.44% 6.57 $^2$ 1.35%

1.64 $^2$ 0.34% 0.05 $^2$

0.01% 4-1

**4-1**

| | | | | $^2$ | | | | |
|---|---|---|---|---|---|---|---|---|
| | $^2$ | $^2$ | % | | | | | |
| | 2660.26 | 487.59 | 18.33 | 457.7 | 21.63 | 6.57 | 1.64 | 0.05 |

2

(SL190-2007)

500 /( $^2$ )

2016 2030 2017

8

8

400 / $^2$

4-2

**4-2**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | ² | | | / ². | | |
| | | 2 | 0 5 | | 400 | 8 | 400 |
| | | 2 | | | | 8 | 400 |

## 4.2

### 4.2.1

### 4.2.2

### 4.2.3

2.00 ²

0.4 ²

## 4.3

### 4.3.1

1

2.00 ² 0.30 ²

**4-5**

| | | | | / 2 |
|---|---|---|---|---|
| 1 | | | | 400 |

SL773-2018

:

M =R K L S B E A

K =NK

M

R MJ /( 2 )

K 2 /( 2 MJ );

K 2 /( 2 MJ );

N

L

S

B

E

A 2

M =R K L S B E A

M

R MJ /( 2 )

K 2 /( 2 MJ );

L

S

B

E

A $^{2}$

L = /20 =

100

100 100

0 90

1 0.2 1 3 0.3 3 5

0.4 5 0.5

35 35 35

0 S =-1.5+17/ 1+ $^{2.3-6.1}$ 2.72

4-6

**4-6**

| | | | | | | L | S |
|---|---|---|---|---|---|---|---|
| | | 99.03 | 100 | 0.3 | 2 | 1.58 | 0.98 |
| | | 24.98 | 25 | 0.3 | 2 | 1.62 | 0.56 |

M = R G L S A

M

R MJ /( $^{2}$ )

G $^{2}$ /( $^{2}$ MJ )

L

S

A $^{2}$

4-7 4-8

**4-7**

| | | R | | L | S | G | A |
|---|---|---|---|---|---|---|---|
| | | 6708.7 | 0.92 | 3.83 | 0.11 | 0.04 | 0.04 |

1

265

244 4-10

2

4-11

4-12

374 342

371 99.20%

**4-8**

| | | R<br>MJ /(<br>$^2$ ) | K<br>$^2$ /( $^2$ MJ<br>) | L | S | B | E | | A<br>$^2$ | | /$^2$ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 6708.7 | 0.0039 | 2.23 | 1.73 | 0.516 | 1 | 1 | 1.96 | 102 | 5208 |
| | | 6708.7 | 0.0039 | 1.62 | 0.56 | 0.19 | 1 | 1 | 0.3 | 1.4 | 451 |

**4-9**

| | | | R<br>MJ /( $^2$<br>) | G | L | S | A<br>$^2$ | | /$^2$ |
|---|---|---|---|---|---|---|---|---|---|
| | | 0.92 | 6708.7 | 0.04 | 3.83 | 0.11 | 0.04 | 4 | 10401 |

**4-10**

| | | | **$hm^2$** | **a** | **$t/km^2.a$** | **$t/km^2.a$** | **t** | **t** | **t** |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 1.96 | 2.5 | 400 | 5208 | 20 | 255 | 235 |
| 2 | | | 0.04 | 2.5 | 400 | 10401 | 1 | 10 | 9 |
| | | | | | | | 21 | 265 | 244 |

**4-11**

| | **$hm^2$** | **a** | **$t/km^2.a$** | **$t/km^2.a$** | **t** | **t** | **t** |
|---|---|---|---|---|---|---|---|
| 1 | 1.96 | 1 | 400 | 2090 | 8 | 102 | 94 |
| 2 | 0.04 | 1 | 400 | 10401 | 1 | 4 | 3 |
| | 2 | | | | 9 | 106 | 97 |

1

2

3

**4.5**

**1**

# 5

## 5.1

### 5.1.1

GB50433-2018

2.00 $^{2}$

### 5.1.2

1

5-1

**5-1**

| | | | | $^{2}$ |
|---|---|---|---|---|
| 1 | | | | 2.00 |
| | | | | 0.04 |
| | | | | **2.00** |

### 5.1.3

GB/ 50434-2018

1

2

1.0

3 2%

4

20%

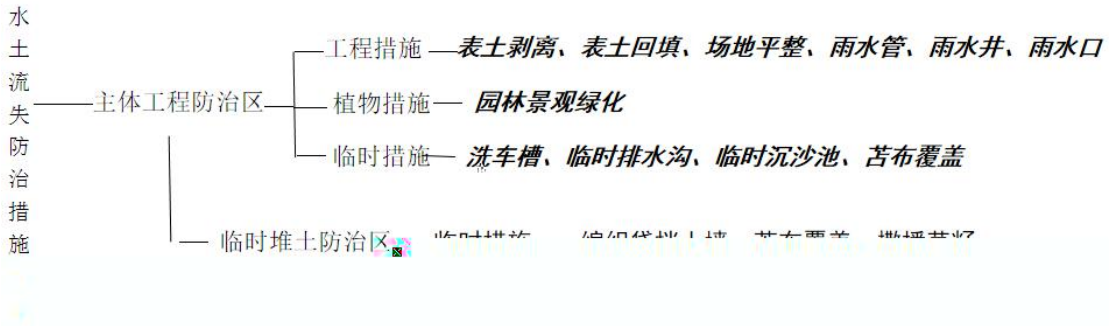
**15%**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | | | | | |
| ( ) | * | 98 | | | | * | 98 |
| | * | 0.90 | 0.10 | | | * | 1.00 |
| ( ) | 95 | 97 | | +2 | | 95 | 99 |
| ( ) | 92 | 92 | | | | 92 | 92 |
| ( ) | * | 98 | | | | * | 98 |
| ( ) | * | 25 | | | -10 | * | 15 |

**“*”**

## 5.2

5.1




**5.1**

## 5.3

### 5.3.1

1 2021 8

0.30 3 30 40 0.12 3

2 2021 8

0.30 2

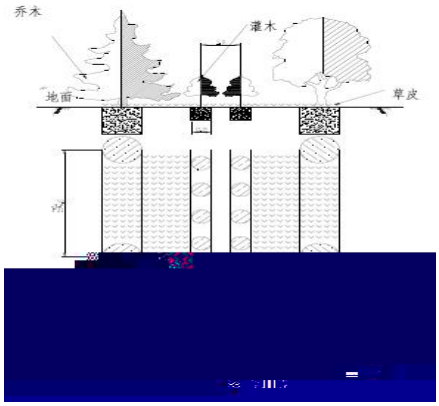
3 2018 6 0.12 3

4 2019 8

820 26 33

1 2021 9

0.30 2 5-2

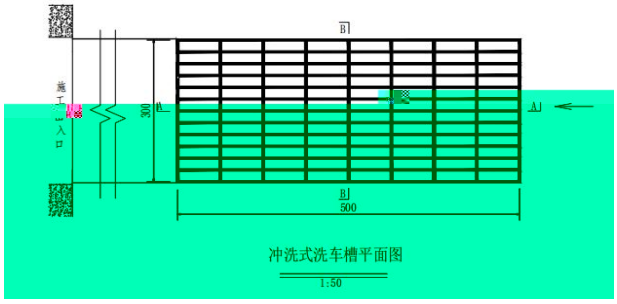



**5-2**

1 2018 6

1

5-3




**5.3**

2 2018 6

630

630

3 2018 6 3

4 2018 7

0.30 2

1 2018 7

0.04 2

2 2018 7

0.04 2

3 2018 7

80

## 5.4

### 5.4.1

1

2

3

2

3 5

3 5

30

2 3 10

4

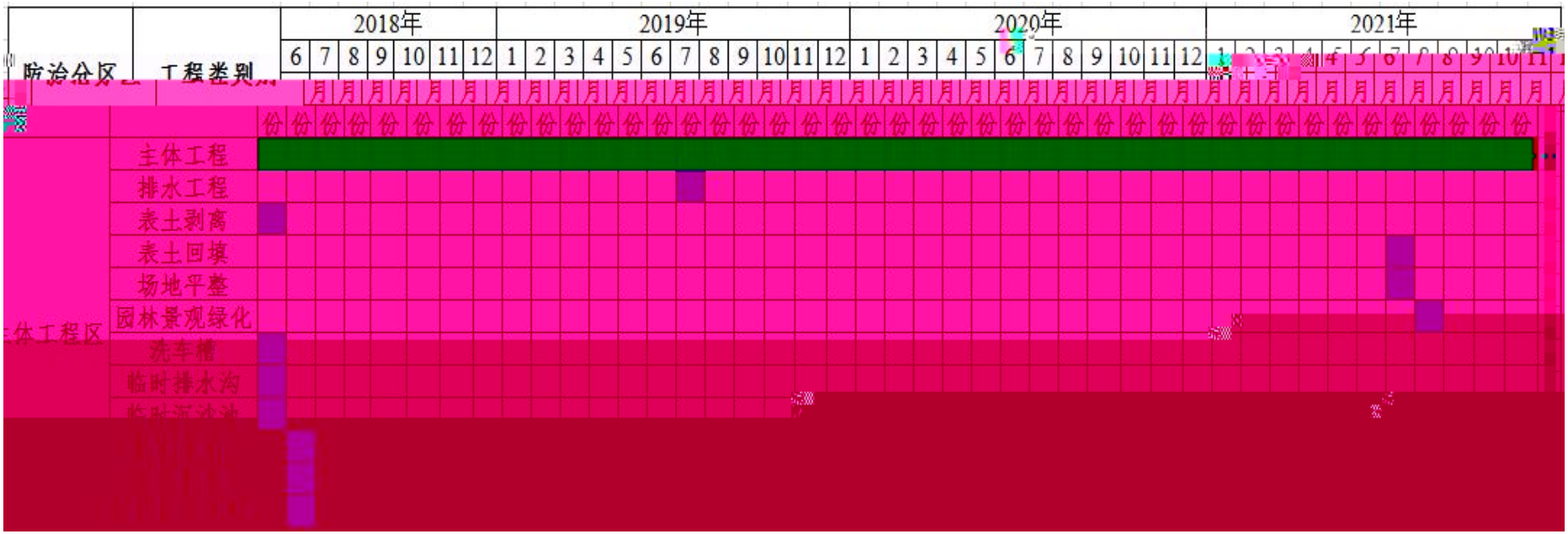
## 5.4.2

1 0.4

0.4 5.2

| | | | |
|---|---|---|---|
| 1 | | | 1 |
| 2 | | | 630 |
| 2.1 | | $^3$ | 182.7 |
| 2.2 | | $^3$ | 81.9 |
| 2.3 | M10 | $^2$ | 756 |
| 2.4 | | $^3$ | 100.8 |
| 3 | | | 3 |
| 3.1 | | $^3$ | 13.74 |
| 3.2 | | $^3$ | 3.24 |
| 3.3 | M10 | $^2$ | 1.68 |
| 3.4 | C25 | $^2$ | 8.34 |

**5-4**


2018年
2019年
2020年
2021年
6 7 8 9 10 11 12 1 2 3 4 5 6 7 8 9 10 11 12 1 2 3 4 5 6 7 8 9 10 11 12
主体工程
排水工程
表土剥离
表土回填
场地平整
园林景观绿化
洗车槽
临时排水沟

# 6

## 6.1

### 6.1.1

1

2

2003 67

3 2018 6

1

2003 67

2

1995 37

1995 69 1995 008

3 2002 10

4 2007 670

5

2014 8

6 <

> 2016 132

7 2018

5

8

2019 448

### 6.1.2

2018 6

2.3% 0.55%

91 / 11.375 /

1 2.0%

1%

2

**6.1**

6%

8 1995 37

1995 69 1995 008

< > 2014 8

1.00

92.95 67.65

15.27 45 12.11

13.42 4 5.15

2.00 7-2

**6-2**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | | | | | |
| | | 15.27 | | | | 15.27 | 15.27 |
| | | 15.27 | | | | 15.27 | 15.27 |
| | | 45.00 | | | | 45.00 | 45.00 |
| | | 45.00 | 6.75 | 38.25 | | 45.00 | 45.00 |
| | | 12.11 | | | | 12.11 | 7.38 |
| | | 10.90 | | | | 10.90 | 6.17 |
| | | 1.21 | | | | 1.21 | 1.21 |
| | | | | | 13.42 | 13.42 | |
| | | | | | 1.42 | 1.42 | |
| | | | | | 5.00 | 5.00 | |
| | | | | | 4.00 | 4.00 | |
| | | | | | 3.00 | 3.00 | |
| | | 72.38 | 32.63 | 184.88 | 13.42 | 85.80 | |
| | | | | | | 5.15 | |
| | | | | | | 90.95 | |
| | | | | | | 2.00 | |
| | | | | | | 92.95 | 67.65 |

**6-3**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | | | 152734.80 | | 152734.80 |
| 1 | | $3$ | 0.12 | 112970.12 | 13556.41 | | 13556.41 |
| 2 | | $3$ | 0.12 | 37120.33 | 4454.44 | | 4454.44 |
| 3 | | $2$ | 0.30 | 10578.39 | 3173.52 | | 3173.52 |
| 4 | | | | | 131550.43 | | 131550.43 |
| 4.1 | | | 820.00 | 146.02 | 119736.40 | | 119736.40 |
| 4.2 | | | 26.00 | 252.21 | 6557.46 | | 6557.46 |
| 4.3 | | | 33.00 | 159.29 | 5256.57 | | 5256.57 |
| | | | | | 450000.00 | | 450000.00 |
| 1 | | $2$ | 0.30 | 1500000.00 | 450000.00 | | 450000.00 |
| | | | | | 80305.16 | 18610.08 | 61695.08 |
| 1 | | | 1.00 | 4000.00 | 4000.00 | | 4000.00 |
| 2 | | | 630.00 | | 49010.54 | | 49010.54 |
| 2.1 | | $3$ | 182.70 | 31.17 | 5694.76 | | 5694.76 |
| 2.2 | | $3$ | 81.90 | 497.59 | 21657.89 | | 21657.89 |
| 2.3 | M10 | $2$ | 756.00 | 22.02 | 16647.12 | | 16647.12 |
| 2.4 | | $3$ | 100.80 | 49.71 | 5010.77 | | 5010.77 |
| 3 | | | 3.00 | | 8684.54 | | 8684.54 |
| 3.1 | | $3$ | 13.74 | 41.80 | 574.33 | | 574.33 |
| 3.2 | | $3$ | 3.24 | 497.59 | 1612.19 | | 1612.19 |
| 3.3 | M10 | $2$ | 1.68 | 22.02 | 36.99 | | 36.99 |
| 3.4 | C25 | $2$ | 8.34 | 721.06 | 6013.64 | | 6013.64 |
| 3.5 | | $3$ | 9.00 | 49.71 | 447.39 | | 447.39 |
| 4 | | $2$ | 0.34 | 54448 | 18512.32 | 18512.32 | |
| 5 | | $2$ | 0.04 | 2444 | 97.76 | 97.76 | |
| 6 | | | 80 | | 28708.8 | 28708.8 | |
| 6.1 | | $3$ | 120 | 211.15 | 25338 | | |
| 6.2 | | $3$ | 120 | 28.09 | 3370.8 | | |

**6-4**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | | | | | |
| | | | 2018 | 2019 | 2020 | 2021 | 2022 |
| | | 15.27 | 2.29 | | | 12.98 | |
| | | 15.27 | 2.29 | | | 12.98 | |
| | | 45.00 | | | | 45 | |
| | | 45.00 | | | | 45.00 | |
| | | 12.11 | 6.78 | 0.36 | 4.85 | 0.12 | |
| | | 10.90 | 6.17 | | 4.73 | | |
| | | 1.21 | 0.61 | 0.36 | 0.12 | 0.12 | |
| | | 13.42 | 1.18 | 1.01 | 5.100 | 3.13 | 3 |
| | | 1.42 | 0.18 | 0.01 | 0.10 | 1.13 | 0.00 |
| | | 4.00 | 1.00 | 1.00 | | 2 | |
| | | 5.00 | | | 5.00 | | |
| | | 3.00 | | | | | 3 |
| | | 85.80 | 10.25 | 1.37 | 9.95 | 61.23 | 3.00 |
| | | 5.15 | 0.62 | 0.08 | 0.60 | 3.67 | 0.18 |
| | | 90.95 | 10.87 | 1.45 | 10.55 | 64.90 | 3.18 |
| | | 2.00 | | | 2 | | |
| | | 92.95 | 10.87 | 1.45 | 12.55 | 64.90 | 3.18 |

**6-5**

1 2.0% 1.42

2015 299

2 4.00

2007 670

3 2015 299

1.98 $^{2}$ 0.3 $^{2}$

342 2022

99% 1.25

99.46% 95.83% 98.86%

15% 7-6

7-7

**6-6**

| | | | | | |
|---|---|---|---|---|---|
| | | | $^2$ | 1.98 | 99.00% |
| % | | 98 | $^2$ | 2.00 | |
| | | | / $^2$ | 500 | |
| | | 1 | / $^2$ | 400 | 1.25 |
| | | | $^3$ | 0.915 | |
| | % | 99 | $^3$ | 0.92 | 99.46% |
| | | | $^3$ | 0.115 | |
| | | 92 | $^3$ | 0.12 | 95.83% |
| | | | $^2$ | 0.87 | |
| % | | 98 | $^2$ | 0.88 | 98.86% |
| | | | $^2$ | 0.30 | |
| | % | 15 | $^2$ | 2 | 15% |

| | | | |
|---|---|---|---|
| 5 | M10 | $^{2}$ | 22.02 |
| 6 | | $^{3}$ | 497.59 |
| 7 | | $^{2}$ | 54448 |
| 8 | | $^{3}$ | 37120.33 |
| 9 | | $^{3}$ | 49.71 |
| 10 | | $^{2}$ | 2444 |
| 11 | | | 146.02 |
| 12 | | | 252.21 |
| 13 | | | 159.29 |
| 14 | | | |
| 14.1 | | $^{3}$ | 211.15 |
| 14.2 | | $^{3}$ | 28.09 |

# 7

## 7.1

<

> 2018 133

2017 365

2019 160