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 , ,  
 ,  
 .

90 . ,

.  
 , , 90 .  $L$  ,  
 ,  
 .  
 ,  
 .  
 ,  
 .  
 :

$$S = (L - L + l)l ,$$

$L -$  ;  $l , l -$  ;  $L -$

$$S = (L - l)l .$$

$$\Delta S = S - S - S ,$$

$S -$  ,  
 .  
 ,  
 , .

$l = 300$  45...103 ( . 1).

1.

$L,$	$l,$	$\Delta S,$
1500	300	45
2000	500	70
2500	700	103

[3],

1 ( . 1, 2).

1-2-3-4-5-6.

175  
7'

7

« »

7.

5-6 5'-6'.

$L_{5-6}$

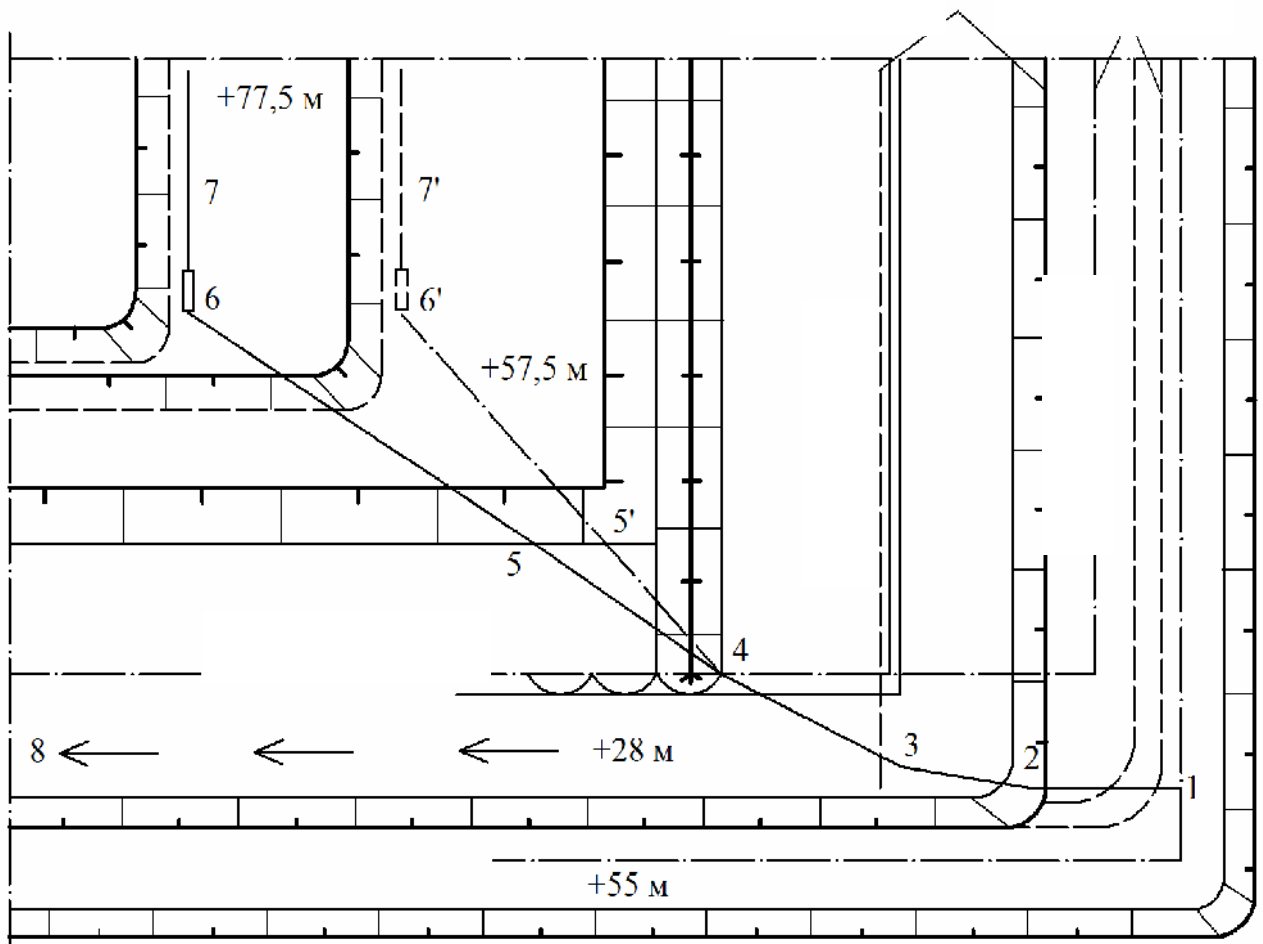
7

$L_{6-6'}$

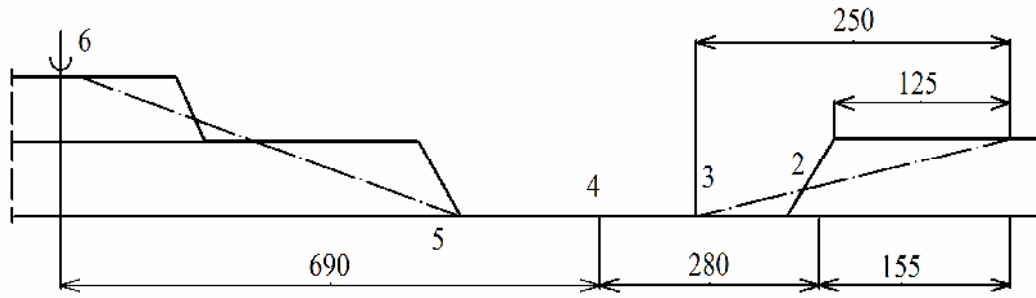
8

4,

$L_{2-3}$ .



. 1.



. 2.

1.

7

-1600

8

9

1-2-3-4-5-6

1  
6

. 2.

10.

2.

			3		
$L_{1-2}$	150	$6^\circ 10'$		30375	30375
$L_{2-3}$	100	$6^\circ 10'$	9000	-	9000
$L_{3-4}$	110	0	-	-	-
$L_{4-5}$	265	0	-	-	-
$L_{5-6}$	500	$5^\circ 50'$	7500	97500	105000
	1165	-	16500	127875	144375

-5000,

11

12.

12

$$L = 175$$

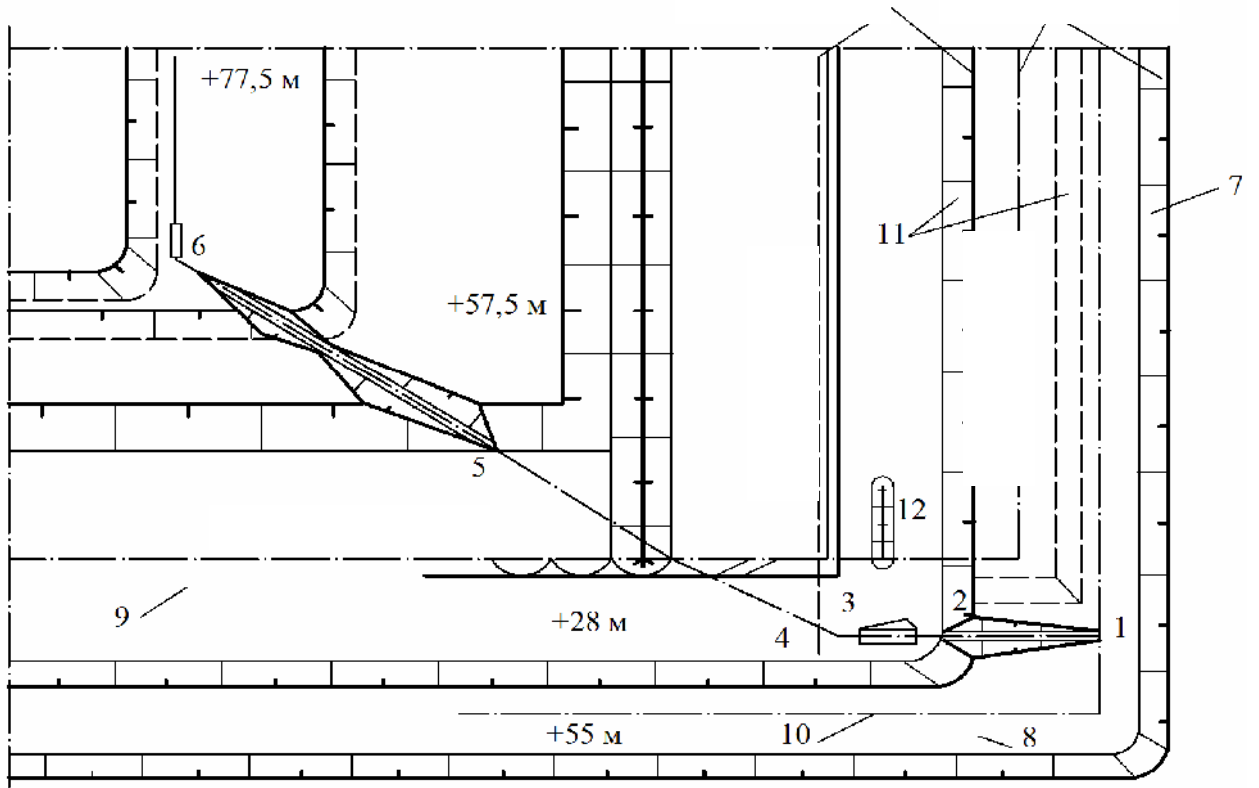
$$Q = 8 \quad h = 27 \quad 3$$

$$L = 1925$$

1

1,2

2. 54255 <sup>3</sup>, 1 - , - 165 , (1,2 ), 1 ( . 3).



. 3.

750 , 2200 , 1. - 1165 ( . 2). 1785 .

1.

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- ’
- ’
- ’
- ’
2. ( ) ’
- 1
- ’
- 90 .
- 45...103 .
- 3.
- ’
- 1.
- / . . , . . . - ∴ , 1987. - 150 .
- 2.
- ’ / [ . . , . . , . . . ] - ∴
- . , 1998. - 92 .
- 3.
- . .2/ . . , . . . - ∴ , 1971. - 325 .
- 4.
- 
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- ’
- ∴ / . - ∴ , 1992. - 89 .