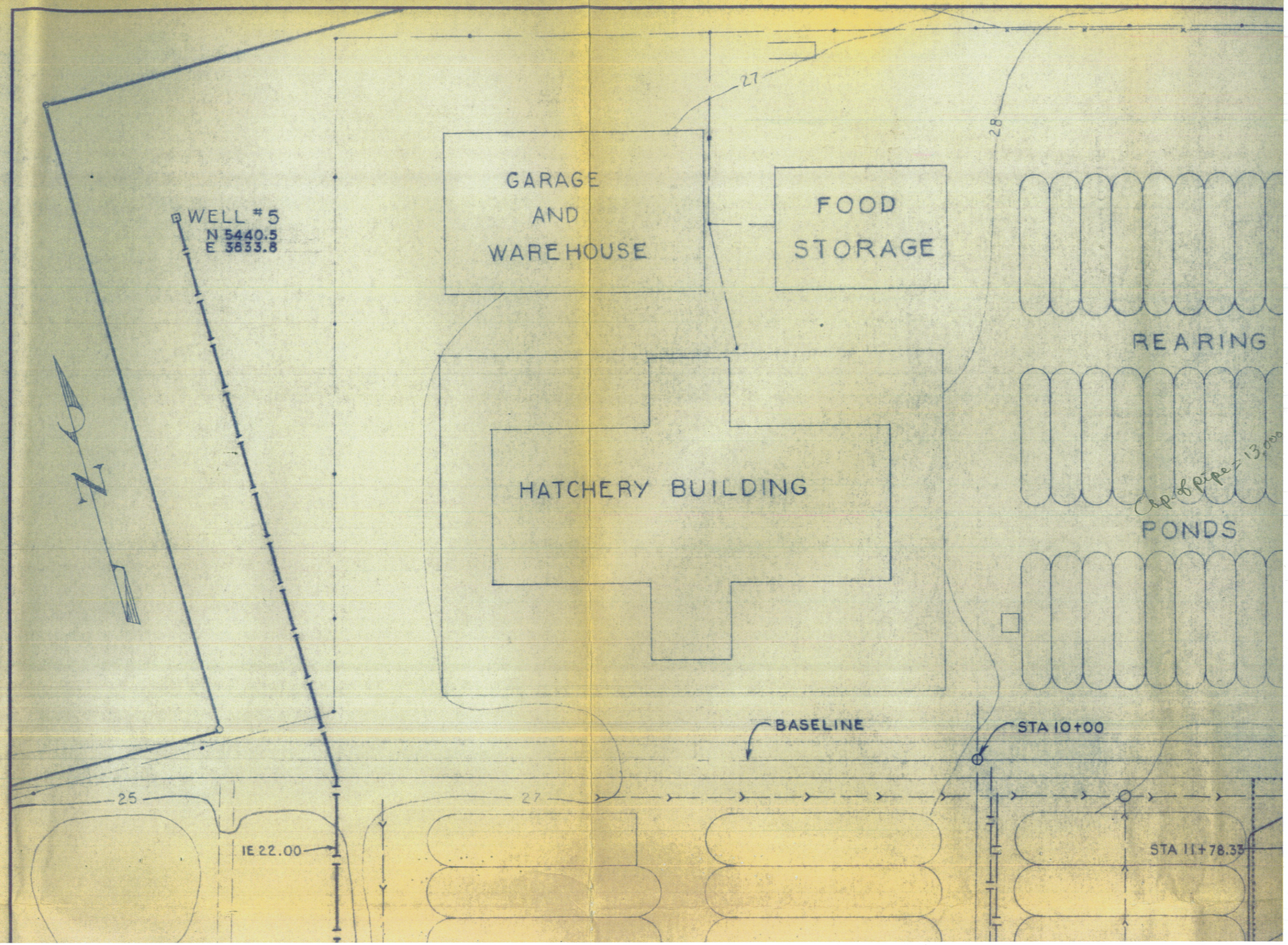
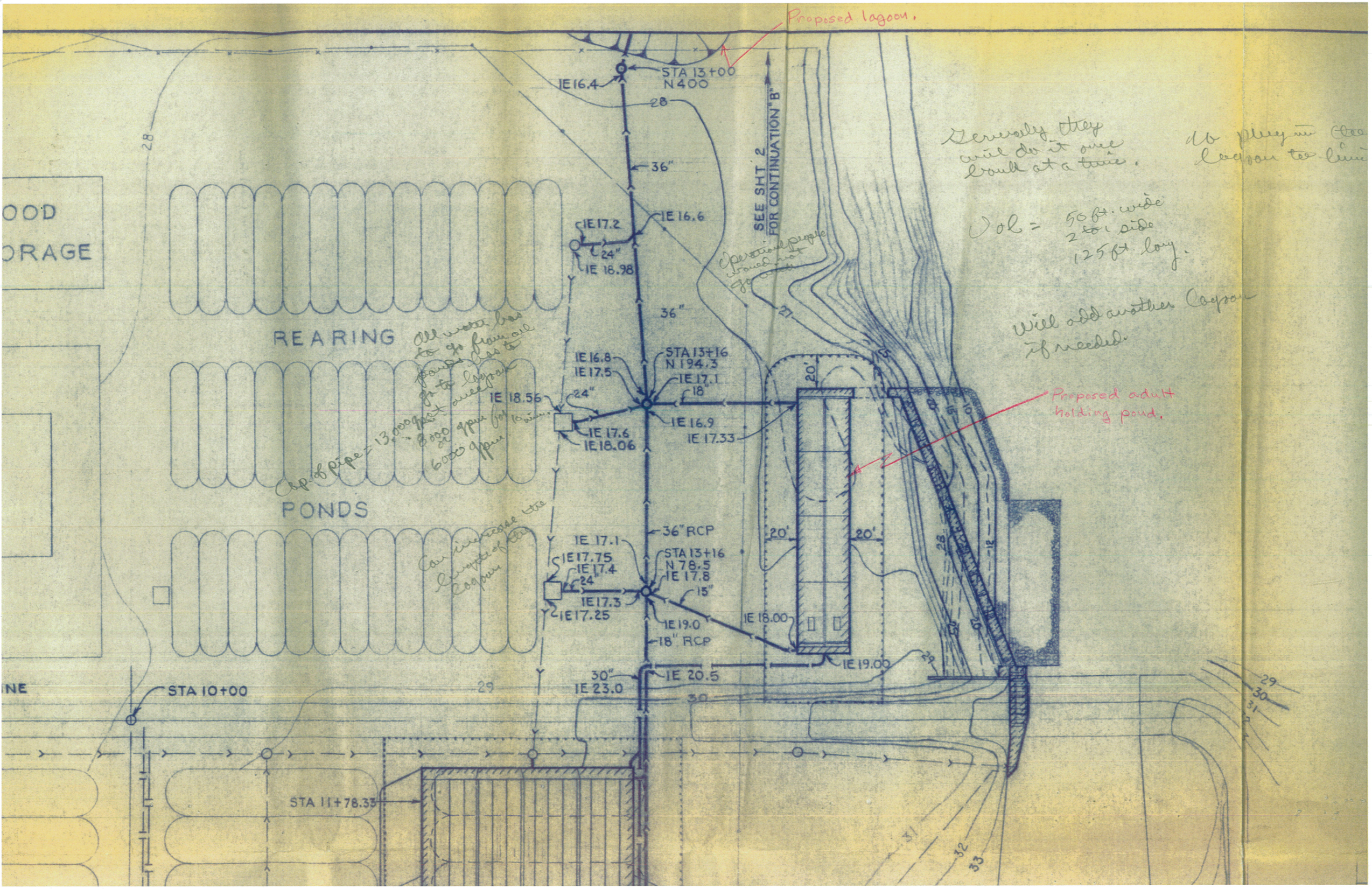

WELL #5
N 5440.5
E 3833.8
N
GARAGE
AND
WAREHOUSE
FOOD
STORAGE
HATCHERY BUILDING
REARING
PONDS
27
28
25
27
BASELINE
STA 10+00
IE 22.00
STA 11+78.33



Proposed lagoon.
STA 13+00
N400
IE 16.4
28
36"
IE 16.6
IE 17.2
24"
IE 18.98
36"
SEE SHT 2
FOR CONTINUATION "B"
Operational people would not go with
REARING
PONDS
All water has to go from all ponds has to go to lagoon at once
Cap of pipe = 13,000 gpm
8000 gpm for 10 min.
6000 gpm
Can increase the length of the lagoon
IE 16.8
IE 17.5
STA 13+16
N 194.3
IE 17.1
18"
IE 18.56
24"
IE 17.6
IE 18.06
IE 16.9
IE 17.33
20'
Proposed adult holding pond.
36" RCP
IE 17.1
IE 17.75
IE 17.4
24"
IE 17.3
IE 17.25
STA 13+16
N 78.5
IE 17.8
15"
IE 19.0
18" RCP
IE 18.00
IE 19.00
20'
20'
30"
IE 23.0
IE 20.5
STA 10+00
STA 11+78.33
29
30
31
32
33
Generally they will do it once bank at a time.
Vol = 50 ft. wide
2 to 1 side
125 ft. long.
Will add another lagoon if needed.

Proposed lagoon.

STA 13+00
N400

28

36"

IE 16.6

17.2

24"

18.98

36"

SEE SHT 2
FOR CONTINUATION "B"

Generally they will do it once built at a time.

do they use the lagoon to limit.

Vol = 50 ft. wide
2 to 1 side
125 ft. long.

Will add another lagoon if needed.

Operational people should not go onto

27

STA 13+16
N 194.3

6.8
7.5

IE 17.1

18"

IE 16.9

IE 17.33

E 17.6
18.06

20'

Proposed adult holding pond.

36" RCP

20'

20'

17.1
.75
17.4

STA 13+16
N 78.5
IE 17.8

15"

E 17.3
.25

IE 18.00

IE 19.0

18" RCP

IE 19.00

30"
23.0

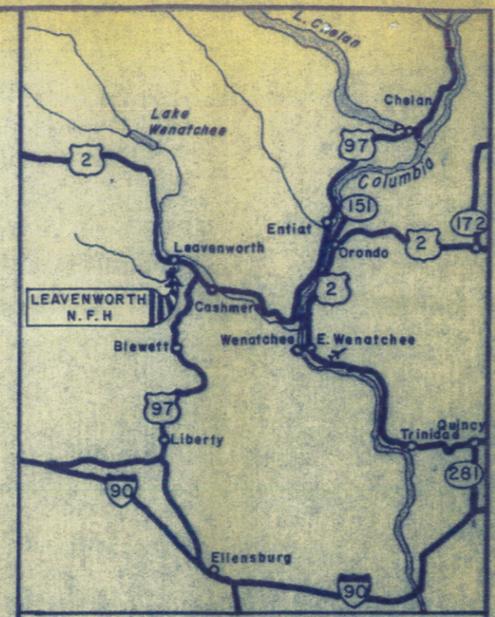
IE 20.5

30

29

29
30
31

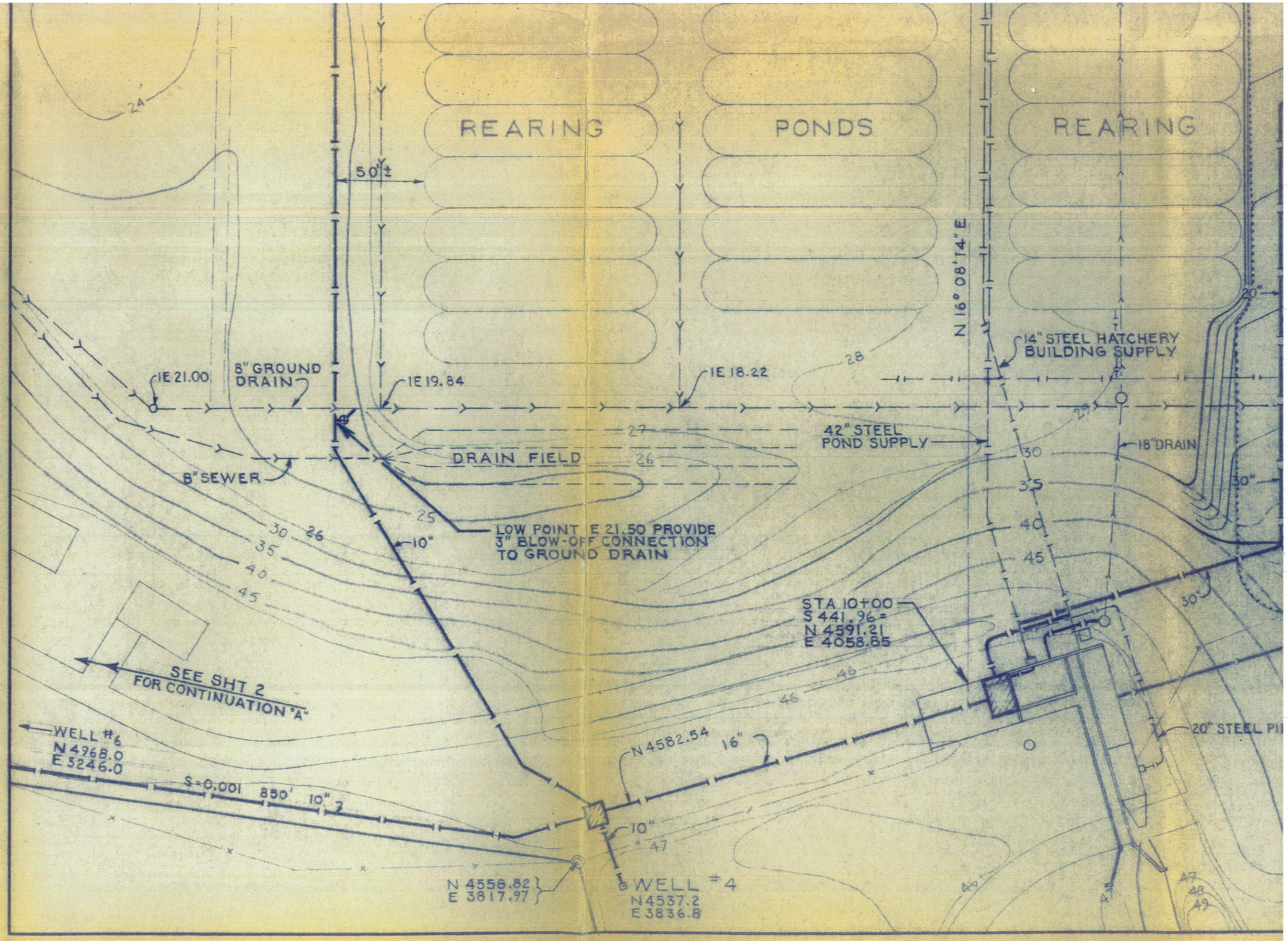
31
32
33



VICINITY MAP

Scale 0 5 10 20 Miles

INDEX TO DRAWINGS


REARING
PONDS
REARING
50'±
N 16° 08' 14" E
14" STEEL HATCHERY BUILDING SUPPLY
IE 21.00
8" GROUND DRAIN
IE 19.84
IE 18.22
42" STEEL POND SUPPLY
18" DRAIN
DRAIN FIELD
8" SEWER
LOW POINT E 21.50 PROVIDE 3" BLOW-OFF CONNECTION TO GROUND DRAIN
10"
STA 10+00
S 441.96 =
N 4591.21
E 4058.85
SEE SHT 2 FOR CONTINUATION "A"
WELL #6
N 4968.0
E 3246.0
S=0.001
850'
10"
N 4582.54
16"
10"
N 4558.82
E 3817.97
WELL #4
N 4537.2
E 3836.8
20" STEEL PI
24
25
26
27
28
29
30
35
40
45
46
47
48
49
20"
30"

REARING PONDS

30"

24"

Existing Foster-Lucas Raceway Ponds.

20"

14" STEEL HATCHERY BUILDING SUPPLY

14" STEEL & 15" RCP

30"

REMOVE & STORE 20" GATE VALVE & EL 18.6 CAP SUPPLY SIDE W/ PL 1/4

18" DRAIN

30"

30'

STA 13+16
S 380.84
IE 30.00

℄ PP

S 400

18" RCP

IE 31.3

15" RCP (TYP)

20" STEEL PIPE

20'

STA 12+63

1" = 50'

LEGEND

NEW		EXISTING
	CONTOURS	
	SUPPLY	
	DRAIN	
	STRUCTURES	
	MANHOLES	
	LIMITS OF GRAVEL SURFACING	
	LIMITS OF RIPRAP	

IND

SHT NO	DRAWING NO
1	IF-WN-257A-

FIS
BU

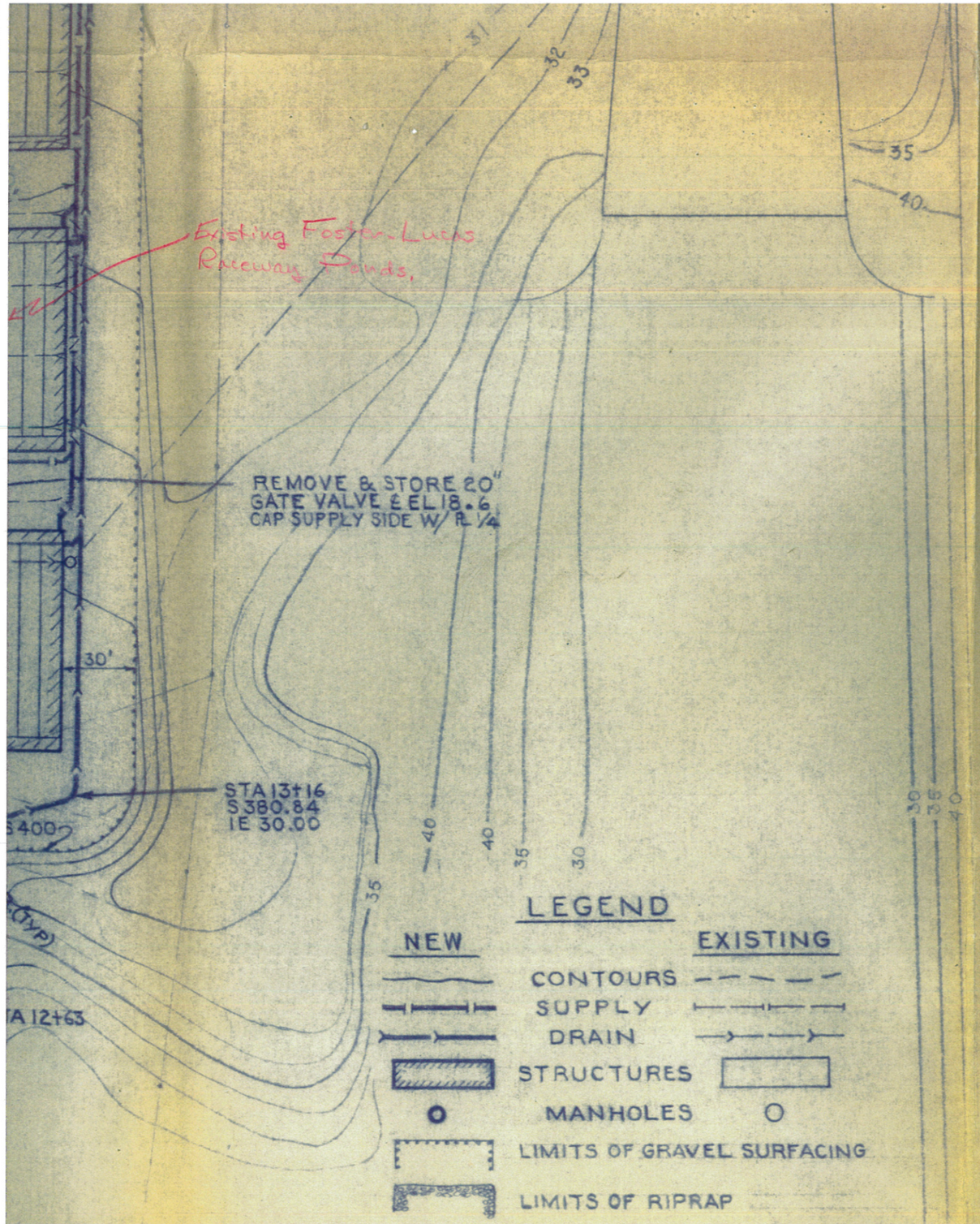
SUBMITTED:
REGIONAL ENGR.

REVIEWED:

RECOMMENDED:
REGIONAL DIRECTOR

W. O. APPROVAL: DATE:

CH
DRAW
DATE
PORT



INDEX TO DRAWINGS

SHT NO	DRAWING NO	DESCRIPTION
1	1F-WN-257A-	

REVISIONS	DATE	BY

UNITED STATES DEPARTMENT OF THE INTERIOR

FISH AND WILDLIFE SERVICE

BUREAU OF SPORT FISHERIES AND WILDLIFE

DIVISION OF ENGINEERING

SUBMITTED: REGIONAL ENGR.

REVIEWED:

RECOMMENDED: REGIONAL DIRECTOR

W. O. APPROVAL: DATE:

LEAVENWORTH

NATIONAL FISH HATCHERY

CHELAN COUNTY, WASHINGTON

RECEIVED MAR 30 '77 EPA-WOO

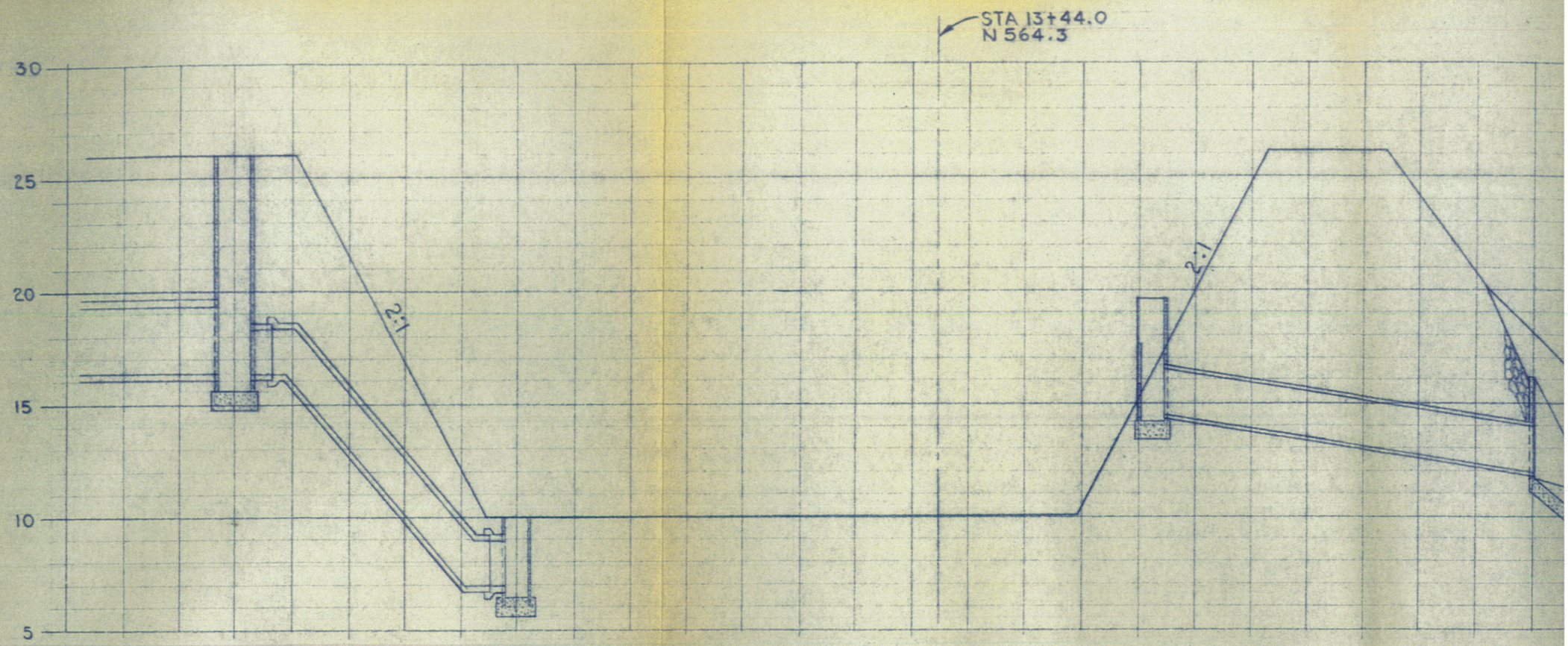
DRAWN: DOGE | SURVEYED: | DESIGNED: TR | CHECKED:

DATE:

PORTLAND, OREGON

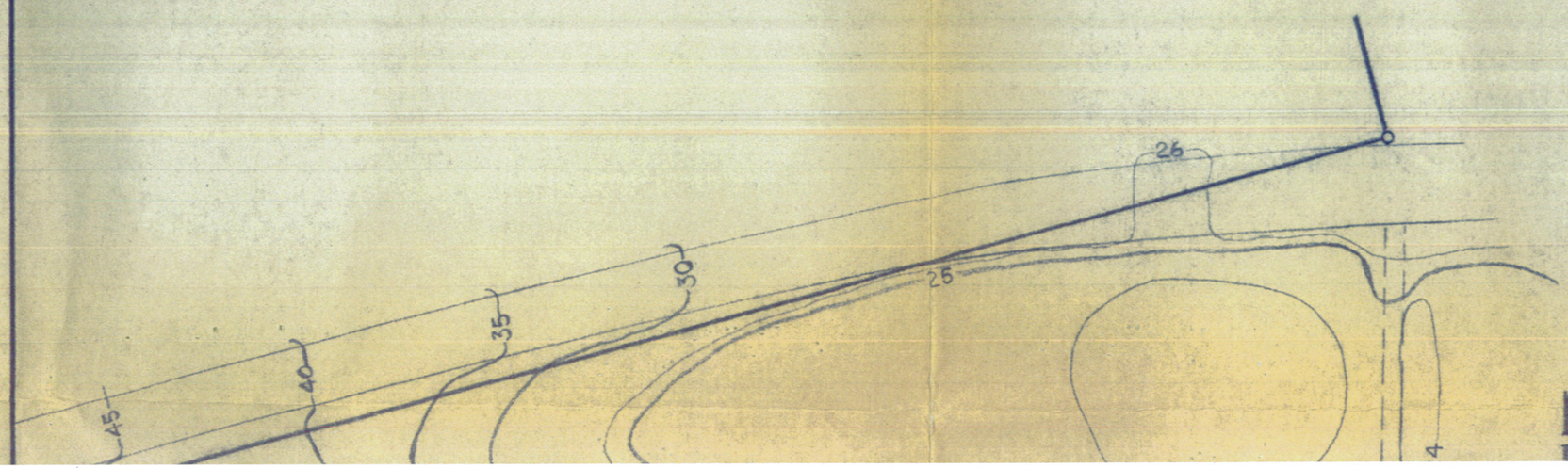
DRWG. NO. 1F-WN-257A-

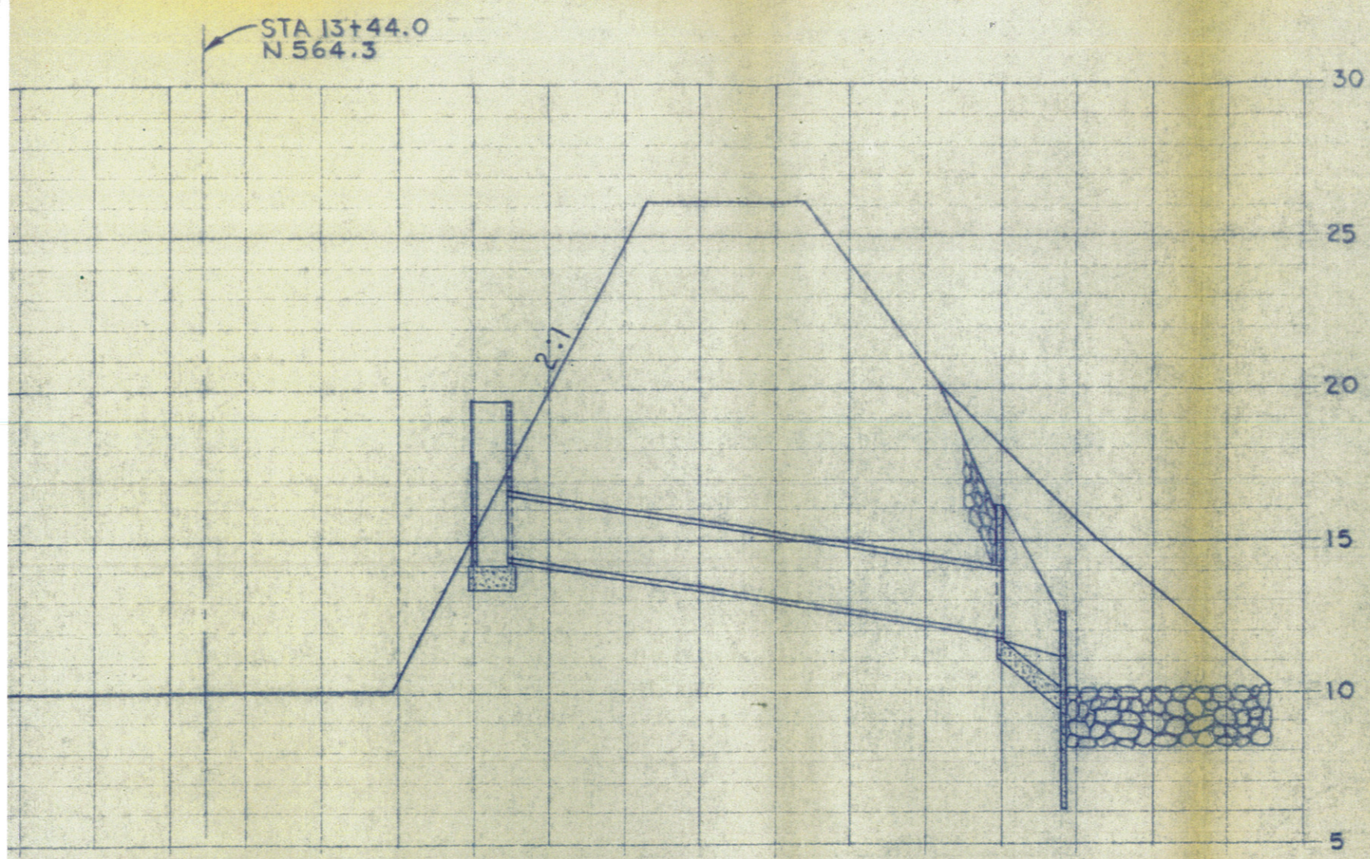
SHEET 1 OF



PROFILE THRU LAGOON

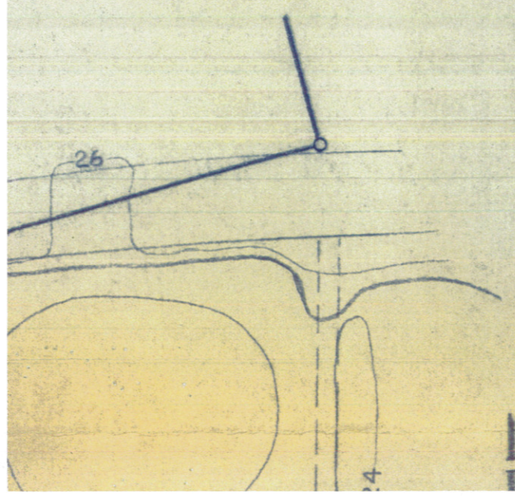
HOR 1" = 20'
VERT 1" = 5'

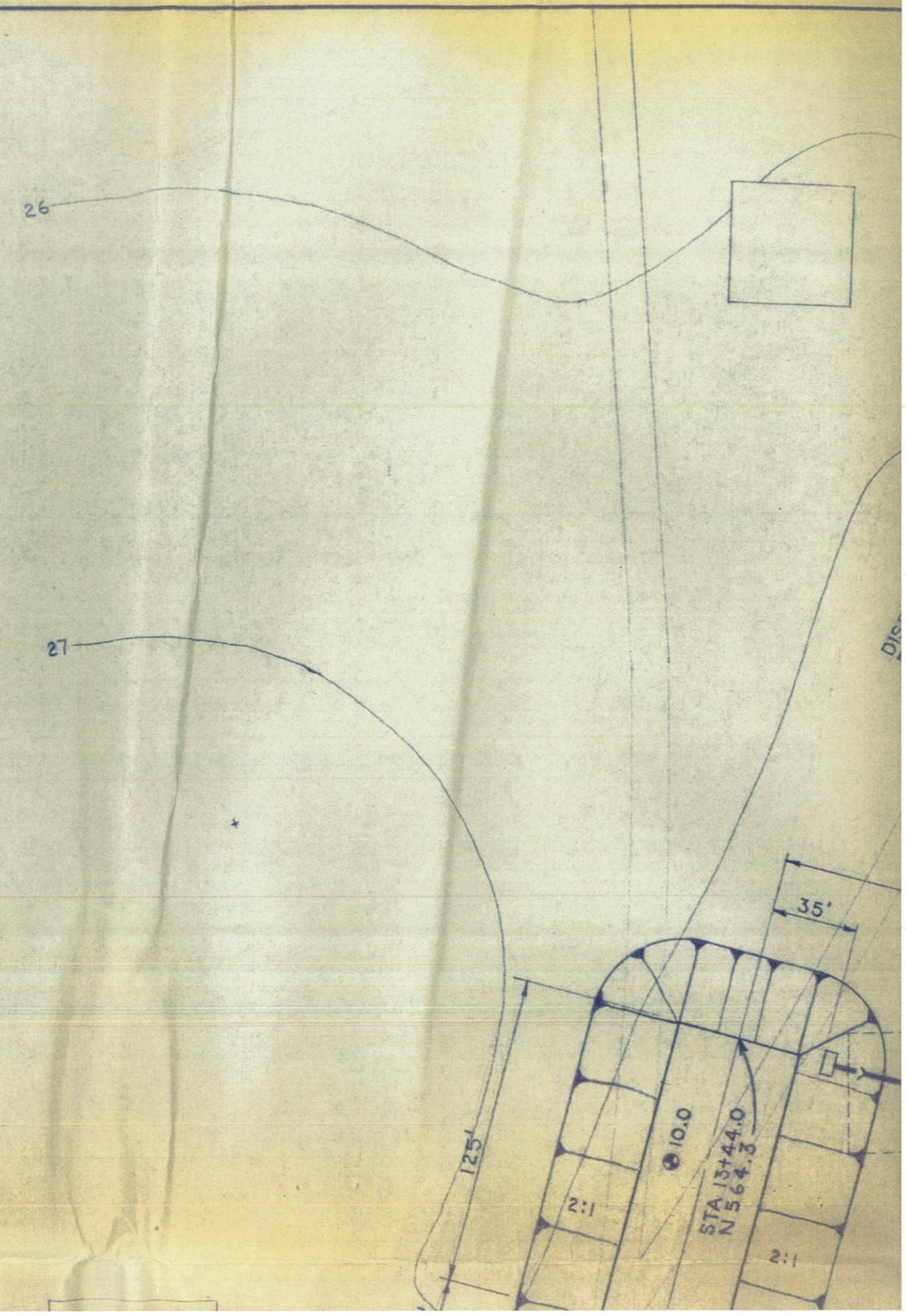


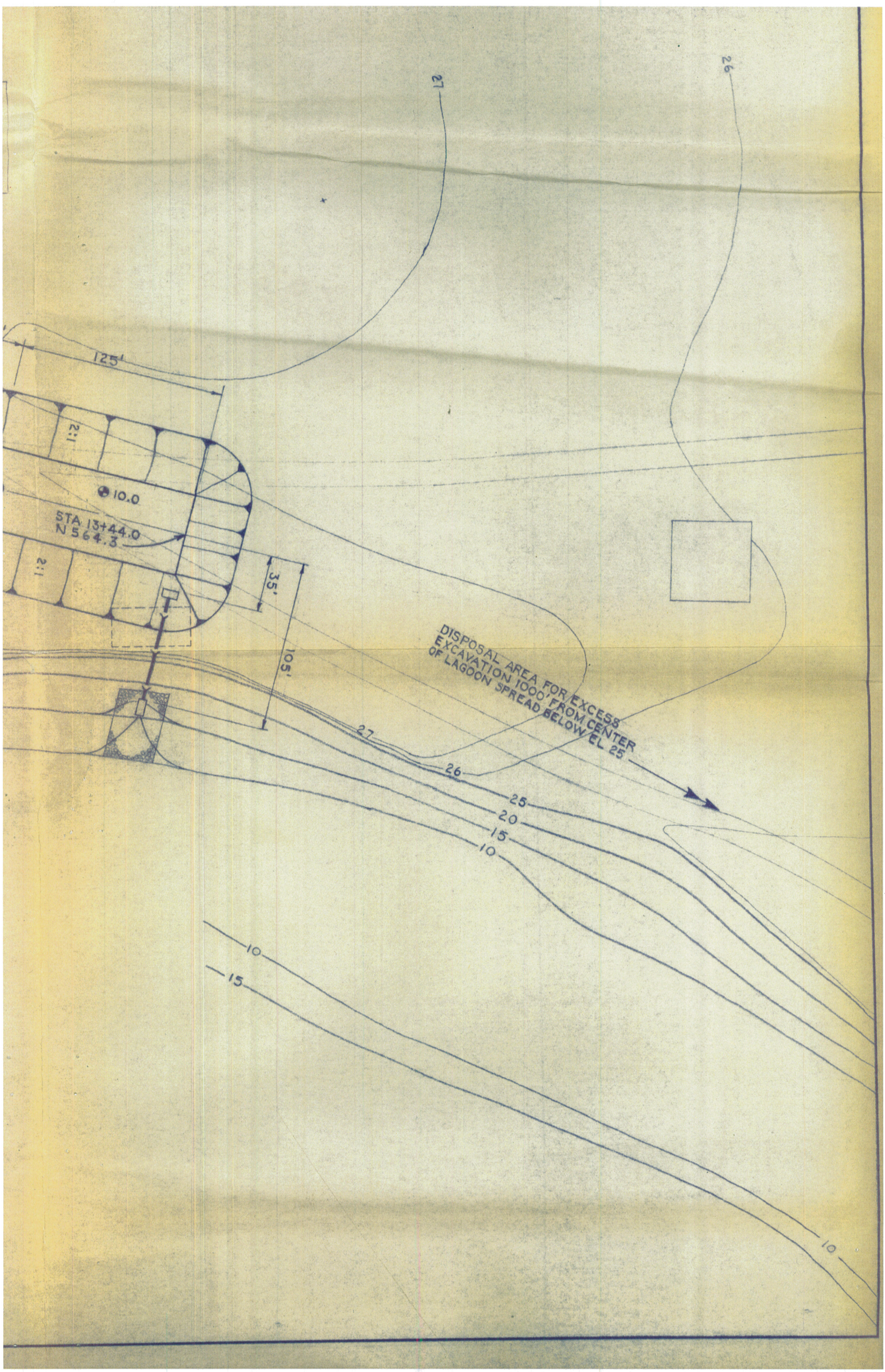


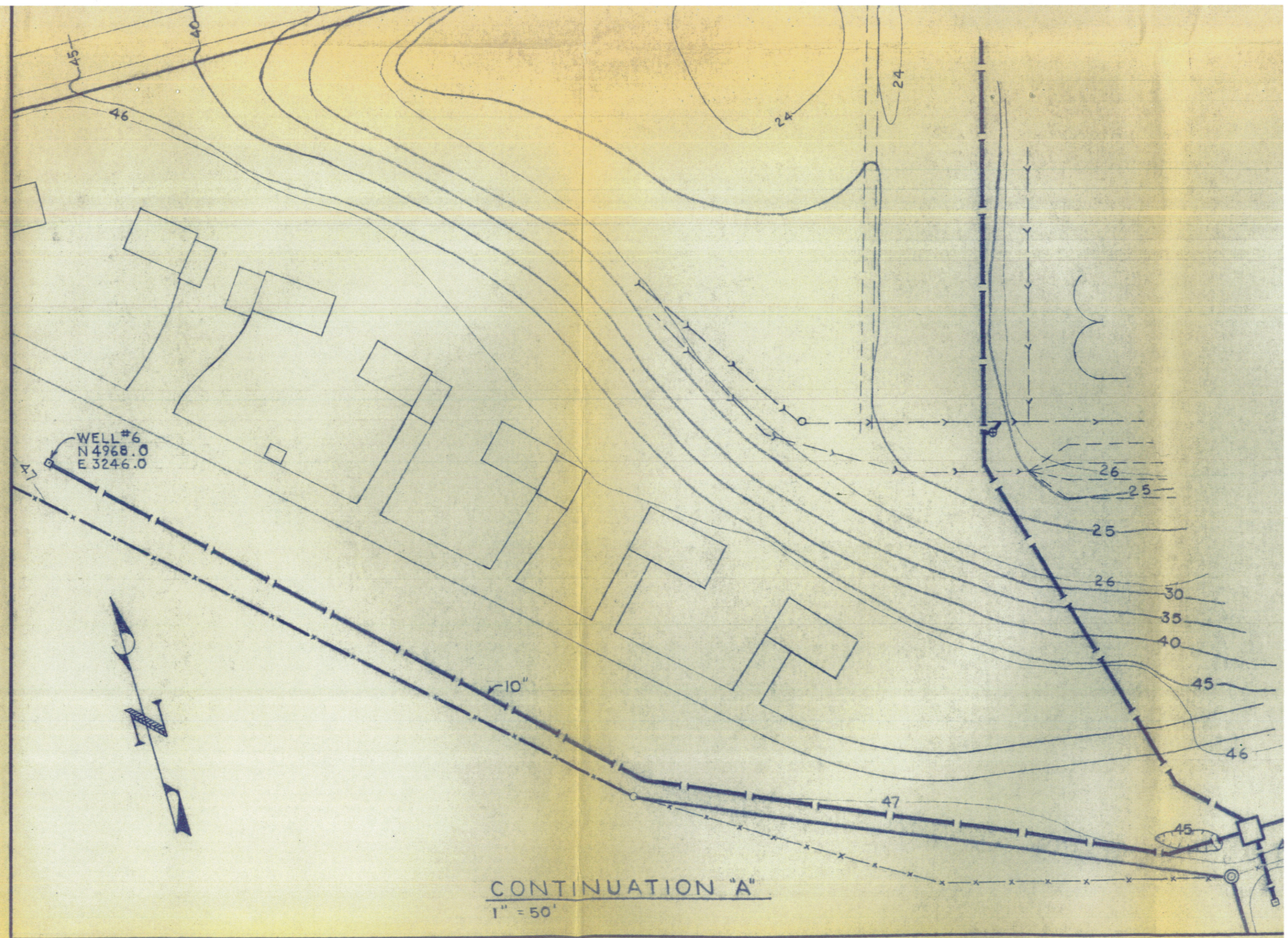
LE THRU LAGOON

"=20'
"=5'



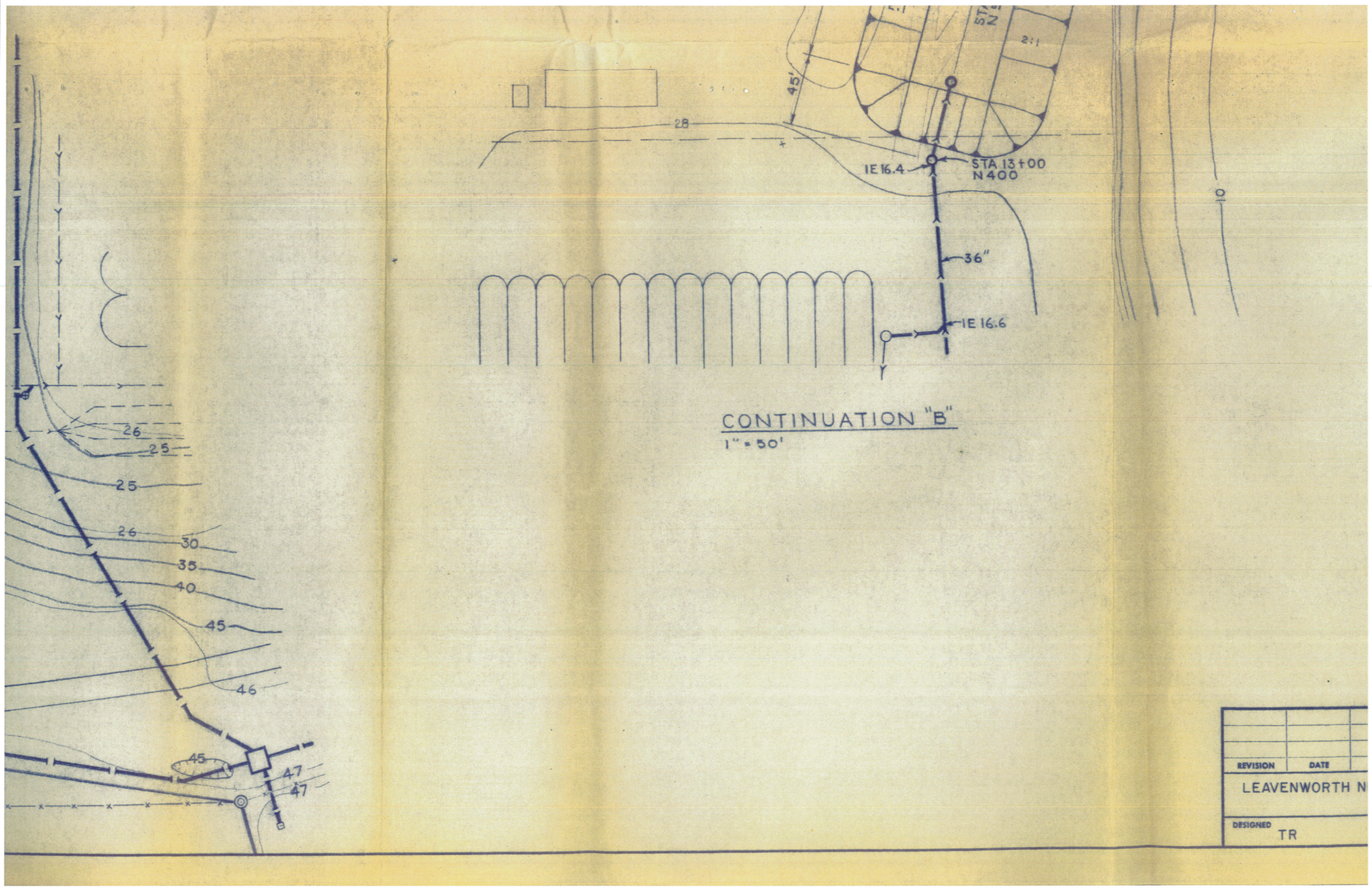



27
26
125'
2:1
10.0
STA 13+44.0
N 564.3
2:1
35'
105'
DISPOSAL AREA FOR EXCESS
EXCAVATION 1000' FROM CENTER
OF LAGOON SPREAD BELOW EL 25
27
26
25
20
15
10
10
15
10



CONTINUATION "A"

1" = 50'



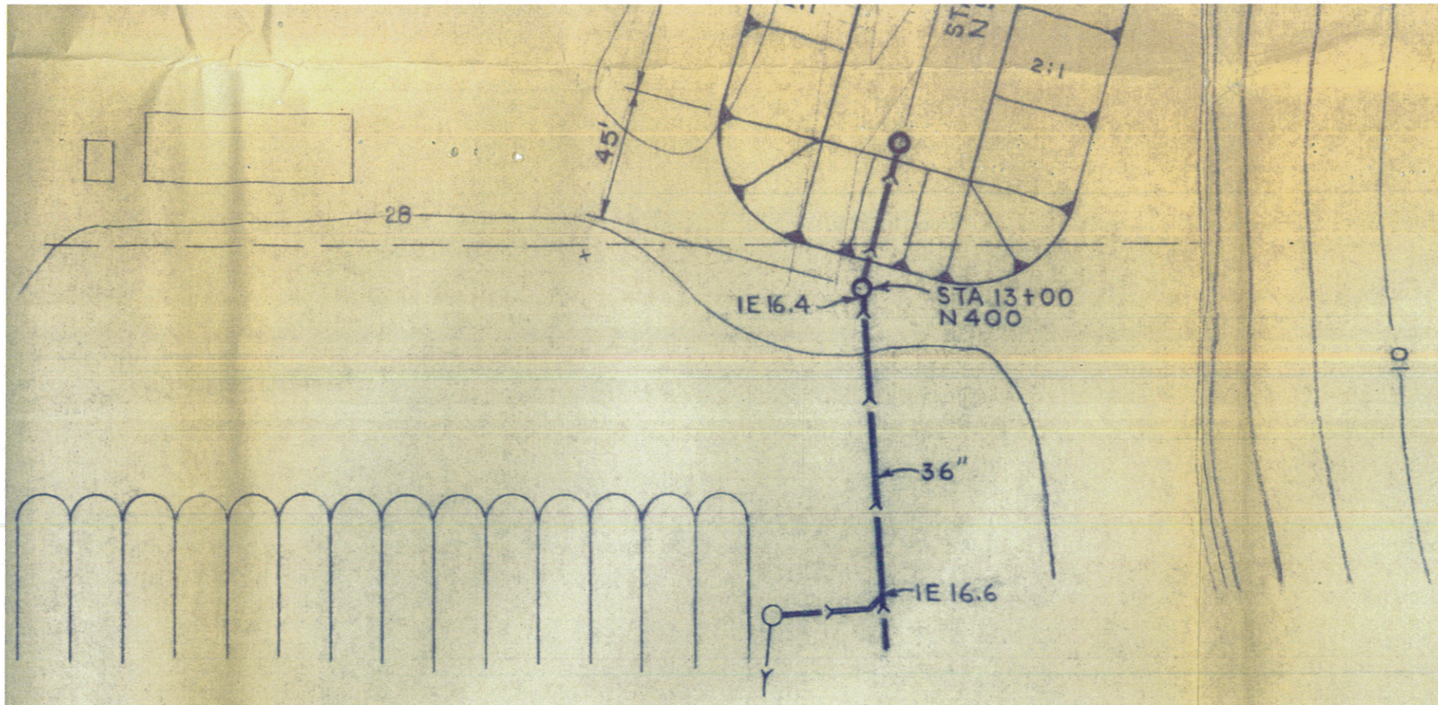
CONTINUATION "B"

1" = 50'

REVISION	DATE	

LEAVENWORTH N

DESIGNED TR



CONTINUATION "B"

1" = 50'

REVISION	DATE	DESCRIPTION	BY

LEAVENWORTH NFH

DESIGNED	DRAWN	DATE	DWG. NO.
TR	DOGE		IF-WN-257A-

SHEET 2 OF