

2000 MARGLYN DR

21509104

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marliwr

Groundwater and Wastewater Services File Imaging Project
May 2007

Barcode Font = IDAutomationHC39M

Mecklenburg County
Health Department

APPLICATION FOR
INSPECTION OF PUBLIC RECORDS

NAME OF PERSON MAKING REQUEST: Ray E. Crawford

ADDRESS: NCDOT 5701 Executive Ctr Dr Suite 300 28212
537-1541 f:5317694

DESCRIPTION OF PUBLIC RECORD REQUESTED: File info - Septic system

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STREET NAME (OR COUNTY ROAD: 2100 Mageland Rd.

PARCEL NUMBER/FILE NUMBER:

OWNER'S NAME: Ward H & Barbara Cagle

REASON FOR REQUEST:
History of Sewer easements, etc

SIGNATURE OF PERSON MAKING REQUEST: Ray E. Crawford

SUPERVISORY PERSON:

ENVIRONMENTAL HEALTH DIVISION

Mecklenburg County
Health Department

Betty S. Snow, R.N., M.A.
Health Director

TELECOPIER TRANSMITTAL COVER SHEET

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TO: Darien Brown TELECOPIER # 531-1694

FROM: Bill Marlin DATE 5-24-94

NUMBER OF PAGES TRANSMITTED: 6 (including cover sheet)

COMMENTS:
Eagle Property Report

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[X] Original will not follow [ ] Original will follow via:

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700 North Tryon Street • Suite 211 • Charlotte, North Carolina

13604

SOIL AND SITE REPORT FOR A GROUND ABSORPTION WASTEWATER SYSTEM

by

JOE LYNN, REGIONAL SOIL SPECIALIST
ON-SITE WASTEWATER SECTION
DIVISION OF ENVIRONMENTAL HEALTH

Submitted to:

BILL MARLIN, SOIL SCIENTIST
MECKLENBURG COUNTY HEALTH DEPARTMENT

MAY 17, 1994

Joe Lynn
Regional Soil Specialist

SUMMARY

This site is **UNSUITABLE** for a ground absorption wastewater treatment and disposal system under current laws and rules 15A NCAC 18A .1900. **No ground absorption wastewater (septic tank) system can be permitted on this site.**

Conventional systems	NO
Shallow conventional systems	NO
Large Diameter Pipe systems	NO
Prefabricated Porous Block Panel systems	NO
Low Pressure Pipe Systems	NO
Fill Systems	NO
Aerobic Treatment Systems	NO

This report gives a brief summary of the findings, conclusions, and recommendations.

If you have any questions or I can be of assistance contact me at the Mooresville Regional Office (704) 663-1699.

INTRODUCTION

COUNTY: Mecklenburg

OWNER/APPLICANT: N. C. Department of Transportation

LOCATION: Marglyn Drive

TYPE OF FACILITY: Residence

DESIGN UNIT: 480 gpd

PROPOSED WATER SUPPLY: On-site well

EVALUATED BY: Joe Lynn assisted by Bill Marlin using hand augers and back hoe pits

DATE OF EVALUATION: March 10, and April 6, 1994

OTHER(S) PRESENT: Darrin Brown, Wade McSwain of DOT and Tim Bennet health department; also back hoe operator from DOT

SITE INFORMATION

AREA/PRESENT USE: 2.3 acres tract one, ID# 215-091-04, house and lawn; and 1.46 acres tract two, ID# 215-091-99, wooded

TOPOGRAPHY: 2 to 5 percent site #1 and 3 to 8 percent site #2

LANDSCAPE POSITION: Linear and foot slopes site #1 and linear slope site #2

SITE LIMITATIONS: Well, residence, drive, drainage way site #1 and depressions and drainage way site #2

SOIL INFORMATION

SOIL TEXTURE: (surface) Sandy loam to clay
(subsoil) Sandy clay and clay

SOIL STRUCTURE: (subsoil) Blocky

CLAY MINERALOGY: Expansive at 0 to 18 inches tract #1
6 to 24 inches tract #2

SOIL DEPTH: 13 to 26 inches to saprolite, rock, or parent material tract #1 and 14 to 30 inches tract #2

SAPROLITE: 13 to 26 inches to unsuitable saprolite tract #1
14 to 30 inches tract #2

SOIL WETNESS: 6 to 18 inches to chromas of 2 or less tract #1
14 to 25 inches tract #2

RESTRICTIVE HORIZONS: None

AREA of S or PS SOIL: None found

CONCLUSIONS

These sites are unsuitable for the installation of conventional ground absorption wastewater systems due to:

1. Unsuitable Topography and Landscape Position — Section .1940
   Drainage features (gullies) and depressions
2. Unsuitable Soil Characteristics — Section .1941
   Expansive clay mineralogy
3. Unsuitable Soil Wetness — Section .1942
   Chromas of 2 or less from Munsell Color Book
4. Insufficient Soil Depth — Section .1943
   Soil depths of less than 36 inches
5. Insufficient Available Space — Section .1945
   Not enough area for an initial sewage system and a repair if needed.

These sites are Unsuitable under Rule .1956 Modifications to Septic Tank Systems. Neither shallow trenches, large diameter pipe, nor porous block panel systems are options for these sites. The saprolite is unsuitable by this rule (mafic rock and >20 percent clay). Drainage will not be sufficient to reclassify the sites to Provisionally Suitable.

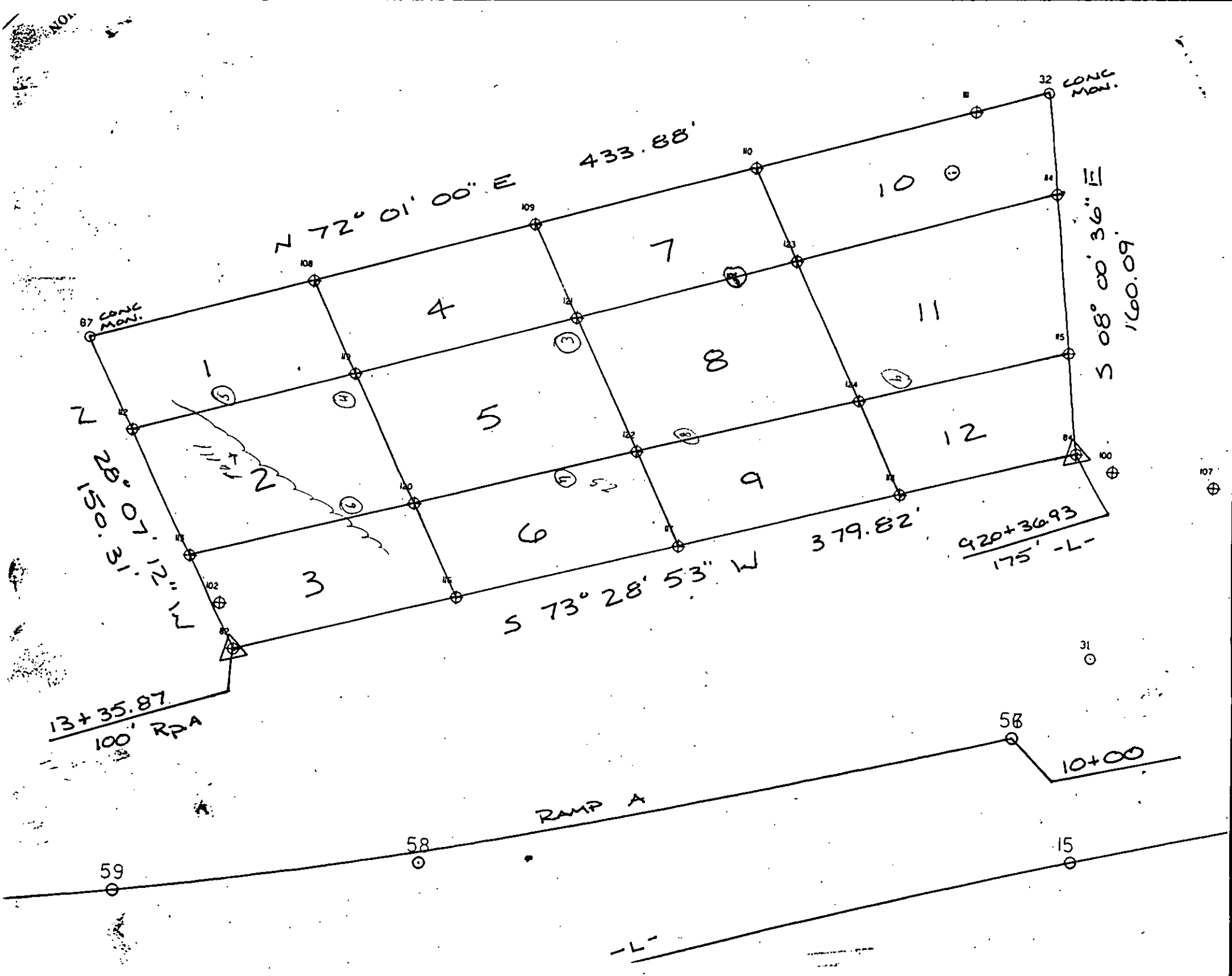
These sites are Unsuitable under Rule .1957 Alternative Sewage Systems. Neither low pressure pipe systems, fill systems, nor

aerobic treatment units are options for these sites.

RECOMMENDATIONS

The owner has the following options that might allow the use of these properties as desired:

1. The applicant may purchase other Suitable or Provisionally Suitable property to place the ground absorption sewage system on.
2. The applicant may obtain an easement on a Suitable or Provisionally Suitable property to place the ground absorption sewage system on.
3. The Division of Environmental Management in Mooresville, N. C. at (704) 663-1699 may be contacted to pursue options available through that office. A above ground drip disposal system might be an option for site #2.
4. A sewage system can be pursued under Rule 1948 (d). Written documentation must be submitted to your office showing that the proposed sewage system can be expected to function properly. The data must contain the following:
   A. The effluent must be non-pathogenic, non-infectious, non-toxic, and non-hazardous.
   B. The ground water and the surface water must not be contaminated by the effluent.
   C. The effluent must not be exposed to the ground surface or discharged to surface waters where it could come into contact with people, animals, or vectors.
5. It might be possible to install a subsurface drip disposal system on site number two. The area to use would be parts of grids 1, 2, 3, & 4, refer to the grid map prepared by DOT. The area is approximately 100 by 60 feet. The LTAR would be no higher than .1 gal./day/ ft.sq. The area will have to be exactly pinned down by auger holes to be sure there is enough space. If interested contact me for more details.


32 CONC MON.
N 72° 01' 00" E
433.88'
87 CONC MON.
S 08° 00' 36" W
1600.09'
N 28° 07' 12" W
150.31'
S 73° 28' 53" W
379.82'
920+36.93
175' -L-
13+35.87
100' RP A
10+00
RAMP A
-L-
1
2
3
4
5
6
7
8
9
10
11
12
58
59
15
31

(1) 0-4" SL fr.
4-30 scL, wk, sbk, zBK @ 24"
drainage mottles @ 20"
sat @ 21" bedrock
2.5Y 6/0 2.5Y 8/0 @ 16"

(2) 0-5" SL fr. gran
5-10" scL wk sbk, sticky plast.
10-80" C zBK, sticky plastic
80-94" C same saprolite
2.5Y 6/0 @ 25"

(3) 0-4" SL
4-13" sbk, c, firm
13-25" z, zBK firm
25" 10YR 7/1

(4) 0-10" SL fr. gran
10-25" C, zBK, firm
25-30" saprolite
2.5Y 7/0 @ 25"
6/0

(5) 0-6" scL
6-19" C, wk zBK, boreal. no SLBK dominant, firm
19-23" Transition edge of IDF
23-38 saprolite/clay
platy, parts matrix
3Y 6/1

(6) 0-8" SL

8-13" SEL, wks bk, sl plastic

13-19" c, LBK, sticky, plastic

19-30" c, LBK, V. sticky, plastic, saprolite

2.5Y 7/0

(7) 0-7" SL, gr

7-20" c, LBK, V. sticky, plastic

20"-34" saprolite w/ clay lenses

(8) 0-5" SL

5-12" c, LBK, firm

12-27" c, massive, LBK, V. firm

2.5Y 6/0

2.5Y @ 21"

(9) 0-6" SL

6-12" scl-wks bk, firm

12-20" c, v. sticky, v. plastic, LBK, large peds

20-28" saprolite

2.5Y 7/0, 7/2 @ 15"

5Y 6/1

1362

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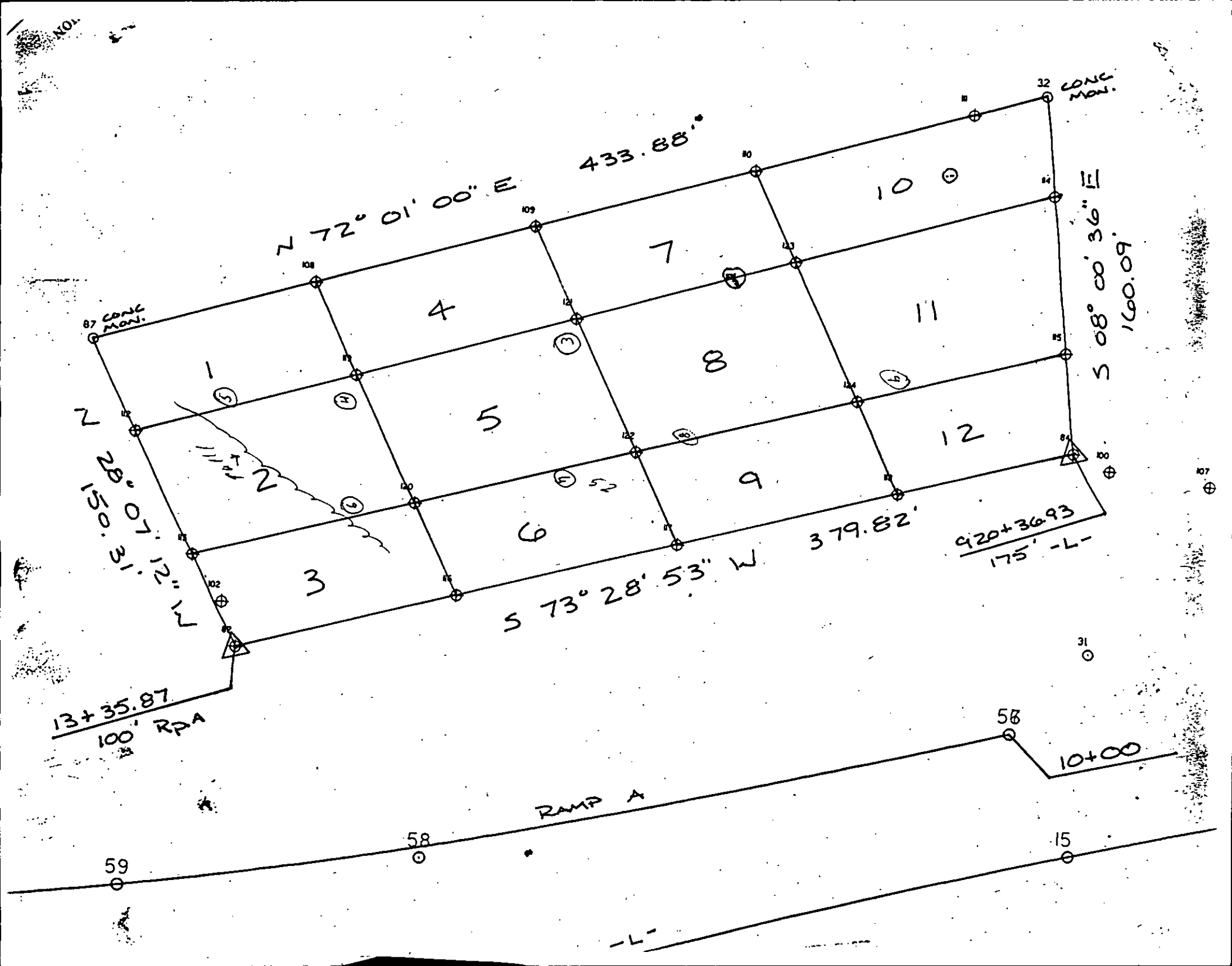
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1
2
3
4
5
6
7
8
9
10
11
12
13+35.87
100' RP A
920+36.93
175' -L-
RAMP A
10+00
58
59
15
-L-