

April 18, 1975

Mr. Paul Butler  
Sampson County Manager  
P. O. Box 303 C, East Rowan  
Clinton, N. C. 28328

Dear Mr. Butler:

Mr. Terry F. Dover, District Sanitarian, has made an evaluation of the 40 cubic yard rural container sites in Sampson County. A copy of his report is enclosed.

I would also like to give you my evaluation of other programs across the State to support Mr. Dover's recommendations. It has been proven over and over again that container sites should be located as near a well traveled road as possible and away from old landfill sites. The better a site is constructed and maintained, the better cooperation can be expected from the public.

From the last inspection report, it seems that your contractor has corrected most of the problem at the landfill.

If this office or Mr. Dover can be of additional assistance, please let us know.

Sincerely,

O. W. Strickland, Supervisor  
Solid Waste Management Unit  
Solid Waste & Vector Control Branch  
Sanitary Engineering Section

OWS/ct

Enclosure

cc: Mr. Terry F. Dover  
Mr. Bill Shaw

DEPARTMENT OF HUMAN RESOURCES  
DIVISION OF HEALTH SERVICES  
SANITARY ENGINEERING SECTION

**REPORT OF INVESTIGATION OR INSPECTION OF** A Rural Container System

Place visited Sampson County Date April 10 19 75

Address Clinton, North Carolina Time spent 5 hours

By whom Terry F. Dover, District Sanitarian, Solid Waste and Vector Control  
Branch

Persons contacted Mr. Bill Shaw, Sampson County Health Department  
(Owner, agent, tenant, manager, other)

Reason for visit Evaluation of container sites

Copies to: Mr. Paul Butler, Sampson County Manager, P. O. Box 303 C  
East Rowan, Clinton, North Carolina

Mr. Bill Shaw, Sampson County Health Department

**REPORT:**

The following comments and recommendations are made after my inspection of Sampson County's seven forty cubic yard container sites on April 10, 1975.

I. Mt. Gilead

- A. Traveled areas should have gravel applied to insure all weather access.
- B. Wings should be added to the concrete bulkhead to allow total utilization of the container.
- C. Non-traveled areas should be seeded to beautify the site.
- D. Site should be fenced to control blowing paper and to block access to old landfill.

II. Rowan

- A. Non-traveled areas should be seeded to beautify the site and to control erosion.
- B. Site should be fenced to control blowing paper and to block access to old landfill.

III. Spiveys Corner

- A. Wings should be added to the concrete bulkhead.
- B. Non-traveled areas should be seeded.
- C. Site should be fenced.

IV. Keener

- A. This site should be re-established on a state road.
- B. New concrete bulkhead is needed.
- C. Non-traveled areas should be seeded.
- D. Site should be fenced to control blowing paper.

V. Suttontown

- A. Site should be re-established on a state road.
- B. New concrete bulkhead is needed.
- C. Non-traveled areas should be seeded.

VI. Ingold

- A. New concrete bulkhead is needed at present location.
- B. Ramp should be graveled for all weather access.
- C. Non-traveled areas should be seeded.
- D. Site should be fenced to control blowing paper and to block access to old landfill.

VII. Ivanhoe

- A. Site should be re-established much closer to a state road.
- B. New concrete bulkhead is needed.
- C. Non-traveled areas should be seeded.

The Mt. Gilead, Rowan, and Spiveys Corner sites were in good condition with no litter problem. All the other locations were very messy which indicated improper utilization by the public and poor cleanup by the site attendant.

It is the opinion of this office that Sampson County will continue to have trouble with their forty (40) cubic yard container system until the majority of the container sites are re-located away from the old landfills and located on state roads more easily accessible to the general public. The container sites should be constructed in such a manner as to create a new impression in the minds of the public, which should bring about proper utilization of the sites.

*Sampson*  
*LRK*

March 20, 1972

Mr. Fred J. Wood  
District Sanitarian  
3205 South Memorial Drive  
Greenville, North Carolina 27834

Re: Pollution Help Line Report No. 449

Dear Mr. Wood:

I am enclosing a copy of a Pollution Help Line Report from Mr. R. C. Hope, Clinton, North Carolina, regarding the sanitary landfill operation near Newton Grove.

I would appreciate your investigating the conditions described on your next visit to the area and contact Mr. Hope regarding this matter.

Very truly yours,

Sidney H. Usry, Chief  
Solid Waste & Vector Control Section  
Sanitary Engineering Division

SHU:bm  
Enclosure  
cc: Mr. R. C. Hope  
Mrs. Millie Mason

Uarey

In replying refer to:

NO. 449

# POLLUTION HELP LINE REPORT

DEPARTMENT OF NATURAL AND ECONOMIC RESOURCES

DATE: 3/16 19 72

TIME: 10:45 AM

NAME OF CALLER: Mr. R. C. Hope

ADDRESS: Route 2  
Street P. O. Box

Clinton, N.C. 23828  
City Zip

TELEPHONE NUMBER: (919) 592-3448

POINT OF POLLUTION: Sanitary Landfill (County Dump) - off Hwy. 701 between Newton Grove + Clinton, N.C. (3 miles on County Rd. after turning left at Tar Heel Motel)

SOURCE OF POLLUTION: (doesn't know names but suggests we call or see Mr. Tom B. Shaw, Health Dept., 805 College St., Clinton, N.C. (592-3634).

NATURE OF CALL: Mr. Hope would like someone to come down as soon as possible to see this County Dump (Sanitary landfill). Garbage is being dumped here by the City + is being burned in the open, with no supervision, causing a greasy ugly smoke + a terrible odor from the garbage burning.

Mr. Hope has discussed this situation with Mr. Shaw, and when he rode by the dump yesterday someone told him that Mr. Shaw told them to burn this garbage.

REPORT REFERRED TO: Sanitary Engineering Div. - St. Bd. of Health + Air Quality Division

IMMEDIATE ACTION TAKEN: \_\_\_\_\_

RECEIVED

MAR 17 1972

SANITARY ENGINEERING DIVISION

SIGNED Millie Mason

December 18, 1970

Mr. W. B. Shaw, R.S.  
~~Sampson~~ County Health Department  
Cooper Drive  
Clinton, North Carolina 28328

*JCP*  
Dear Mr. Shaw:

Please find enclosed the investigative report for the conditions prevailing at the five proposed sanitary landfill sites and recommendations for operation at each.

If this section can be of further assistance, do not hesitate to call.

Sincerely,

Jerry C. Perkins, Sanitary Engineer  
Solid Waste & Vector Control Section  
Sanitary Engineering Division

JCP:bm  
Enclosure  
cc: Mr. Fred J. Wood

**STATE BOARD OF HEALTH**  
**SANITARY ENGINEERING DIVISION**  
RALEIGH, NORTH CAROLINA

**REPORT OF INVESTIGATION OR INSPECTION OF Five Proposed Sanitary Landfills**

Place visited Sampson County Date November 10 and 12 19 70

Address Sampson County Time spent 2 days

By whom Jerry C. Perkins, Sanitary Engineer and Fred J. Wood, District Sanitarian

Persons contacted Mr. W. B. Shaw  
(Owner, agent, tenant, manager, other)

Reason for visit To investigate sites and to determine feasible operating plans for each site.

Copies to: Mr. W. B. Shaw, R.S., Sampson County Health Department

Mr. Fred J. Wood, District Sanitarian

**REPORT:**

On November 10 and 12, 1970, Mr. Jerry C. Perkins, Sanitary Engineer, N. C. State Board of Health, and Mr. Fred J. Wood, District Sanitarian, Greenville Regional Office, N. C. State Board of Health, investigated five proposed sanitary landfill sites in Sampson County to determine operational feasibility.

Below are the conditions found at each site and subsequent recommendations for each site. Also included are general recommendations for all sites. Usage data utilized in making recommendations was obtained from Mr. W. B. Shaw, Sampson County Sanitarian.

Site No. 1 - Medlin Property

Conditions:

Site is located approximately 7.5 miles south of Newton Grove, off SR 1820. Tract contains 5.13 acres. Terrain is rolling. Soil condition was observed to be sandy with good subsurface drainage. The only parameters to the site are the property lines as the site is not dissected by streams, fences, etc. that usually act as natural barriers in landfill development. The site's drainage will drain to a tributary belonging to the Great Coharrie Watershed. The planned usage and overall terrain lends itself to the trench method of disposal by sanitary landfill. No water table problems are anticipated as the nearest stream elevation is 20-25 feet lower than the site elevation. Information available indicates that a rural population of 7,357 persons, including Newton Grove and one industry, will utilize the site. A disadvantage to the site may prove to be the access road length from the State roads; however, adequate signs designating location can help alleviate this problem. Low industrial usage is anticipated.

Recommendations:

1. Develop Site No. 1 in accordance with the attached plans, utilizing the trench method of disposal by sanitary landfill.
2. Develop the trenches as indicated, developing Sections A, B, C, D, E, F, and G in that order. This will permit minimum clearing required at any one time and will allow excess of cover material to be in close proximity at all times.
3. Develop Section D by the ramp method after A and C are completed.
4. Maintain the existing natural ridge in its natural state to serve as a central access and to serve as the last area to be used in disposal operations.
5. Trench dimensions required for this site as follows: Depth, no more than 8 feet; Width, 12-foot bottom with slight slope because of soil condition; Length, 150-200 feet should be adequate for any one trench.
6. Improve the access road in order to accommodate the heavy delivery vehicles using the sites.

Site No. 2 - Thompson Property

Conditions:

Located approximately 4 miles east of Clinton off SR 1924. Tract contains 10.0 acres. Terrain has a moderate roll and soil condition was observed to be good for cover material and subsurface drainage. Parameters to the site are its property lines. Site's drainage is to Abrams Branch. The usage data and overall terrain indicates that the trench method of disposal would be the most suitable type of operation. No water table problems are anticipated as the major portion of the acreage has sufficient elevation and the remainder lends itself to a ramp operation which requires covering and compacting above the original ground level.

Information available indicates that a rural population of 9,778 persons will be served by this site. A private collector serving 100 persons will also use the site. A moderate amount of industrial waste is anticipated at this time.

Recommendations:

1. Develop Site No. 2 in accordance with the attached plans, utilizing the trench method of disposal in Section A and a combination ramp and trench method in Sections B and C.
2. Direct surface drainage to drainage draw leading to Abrams Branch.
3. Trench and ramp dimensions required on this site are as follows: Width, 12 feet; Depth, no more than eight required in any section; Length, no more than 300 feet required at any one time.
4. Improve the access road to accommodate heavy vehicular wheel loads.

Site No. 3 - Mac Millon Property

Conditions:

Located approximately 4 miles southwest of Harrells off SR 1100. Tract contains 3.70 acres. The terrain of the site is rolling with elevation changes of approximately 20 feet from the site's lowest elevation to its highest. Soil condition was observed to be a sandy clay mixture suitable for landfilling. Parameters to the site's development are the property lines. Site drainage is on the Black River Watershed. No water table problems are anticipated on this site. Information available indicates that a rural population of 2,256 persons will be served by this site. The only anticipated industrial waste of significance to be received at the site at the present time is hatchery waste. The access road into the site is in need of upgrading to accommodate the heavy wheel loading of solid waste delivery vehicles. Signs will be needed to direct users to the site's deposit area. Anticipated usage indicates that a trench and ramp combination operation is best suited to the type of terrain on this site.

Recommendations:

1. Develop Site No. 3 in accordance with the attached plans, utilizing a combination trench and ramp method of disposal by sanitary landfill in Sections B and C, and trench method in Section A.
2. Develop Sections B and C first, then Section A to preclude use of final cover in an inadvertent trench operation.
3. Trench and ramp dimensions required as follows: Width, 10 feet; Depth, no more than 8 feet of compacted refuse in any section; and Length, no more than 150 feet of trench required at any one time.
4. Improve the access road and turn-around area to accommodate the heavy vehicular wheel loads using this site.

Site No. 4 - Balkcum Property

Conditions:

Site No. 4 is located approximately 4 miles east of Garland off SR 1003. The tract contains 5.4 acres and an abandoned borrow pit is located within its boundaries. The borrow pit extends to the highway shoulder, however, the property line is on the highway right-of-way lines requiring dyking for separation. Six Runs Creek is located to the east of the site with an average separation distance of 50 feet between the creek bank and the eastern property lines. An existing entrance road to the site is located between the borrow pit edge and the eastern property line. The borrow pit contains approximately 1.4 acres and its excavated bottom is 6 to 8 feet lower than the surrounding elevations. The site drainage on the southern end is generally away from the creek. Depending on the amount of rainfall and surface runoff, a culvert under SR 1003 may be necessary to prevent impounding of runoff water from the landfill site. Surface drainage on the northern end is generally toward the Six Runs

Creek. No water table problems are anticipated as long as excavations are no lower than those established by the existing borrow pits.

Information available indicates that this site will serve a rural population of 4,894 persons including the Town of Garland's pickup of residential, commercial, and industrial waste.

A distance of approximately 100 feet has been maintained from the creek bank to the borrow pit edge. This distance will have to be maintained with new excavations to provide a buffer zone to prevent contamination of the creek by landfill leachate. No major industrial waste is anticipated at this time.

Recommendations:

1. Develop this site in accordance with the attached plans, utilizing the borrow pit area first, then Section B, and finally Section C.
2. Do not operate any closer than the existing borrow pit edge to the creek or no closer than 100 feet to the creek bank in the undisturbed area.
3. Utilize earth from bottom of pit and from sides for cover material.
4. Excavate no lower than the established low area in the existing borrow pit.
5. Dimensions for ramp operations in the pit are as follows: Width, 10 feet; Depth, 6 to 8 feet of compacted refuse; and Length for trench operation, no more than 100 feet should be required at any one time.
6. Improve access road and turn around area to accommodate heavy delivery vehicles.

Site No. 5 - Warren Property

Conditions:

This site is located in the northwestern portion of the county off SR 1634. The tract contains 3.91 acres. This site can be used but has several undesirable characteristics which will generate added expense in site preparation. The location will require that a new access road be constructed. Also, the site is wooded and before any disposal operation can begin, clearing will have to take place. At the rear of the property, or its western boundary, is a low area containing waters backed up from the Little Coharrie Creek Watershed. As a result, a high water table at this site is going to impose limitations on the site's development.

Information available indicates that this site will serve a rural population of 6,112 persons with no towns or private collectors using the site at the present time.

Recommendations:

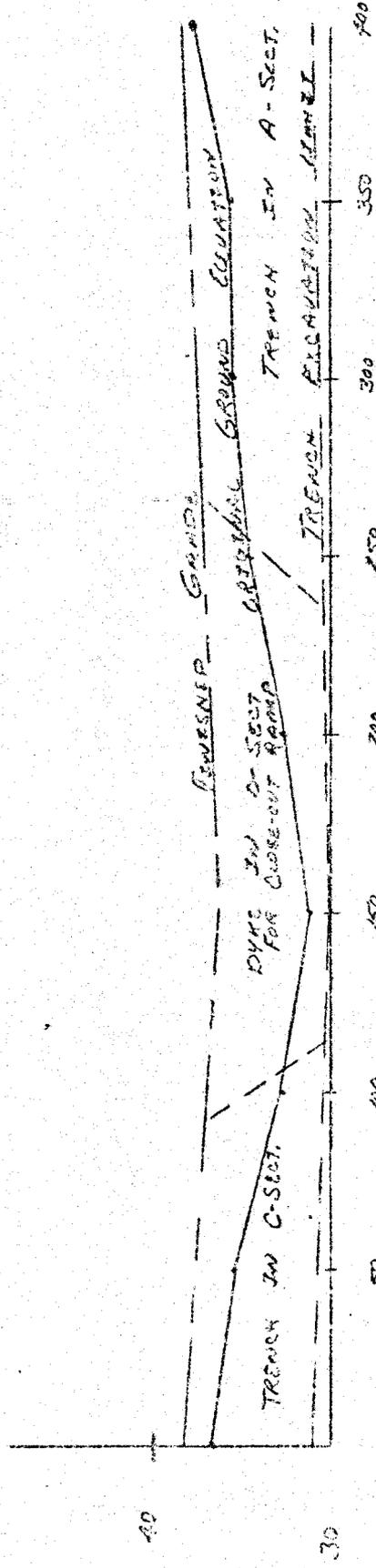
1. Develop this site by trench and ramp operation as shown on the attached drawings.
2. Divert existing drainage ditch in order to extend length of operating trenches on the northern side.

3. Maintain a slope on the trench bottom at all times to preclude any surface waters from running in the trench during times of heavy rains.
4. Trench and ramp dimensions are as follows: Width, 10 feet; Depth, no more than six feet compacted refuse at any location; and Length, no more than 150 feet required at any one time.
5. Construct roadway to standards that will accommodate heavy wheel loads of delivery vehicles.
6. Clear property on an as needed basis to prevent unnecessary erosion.

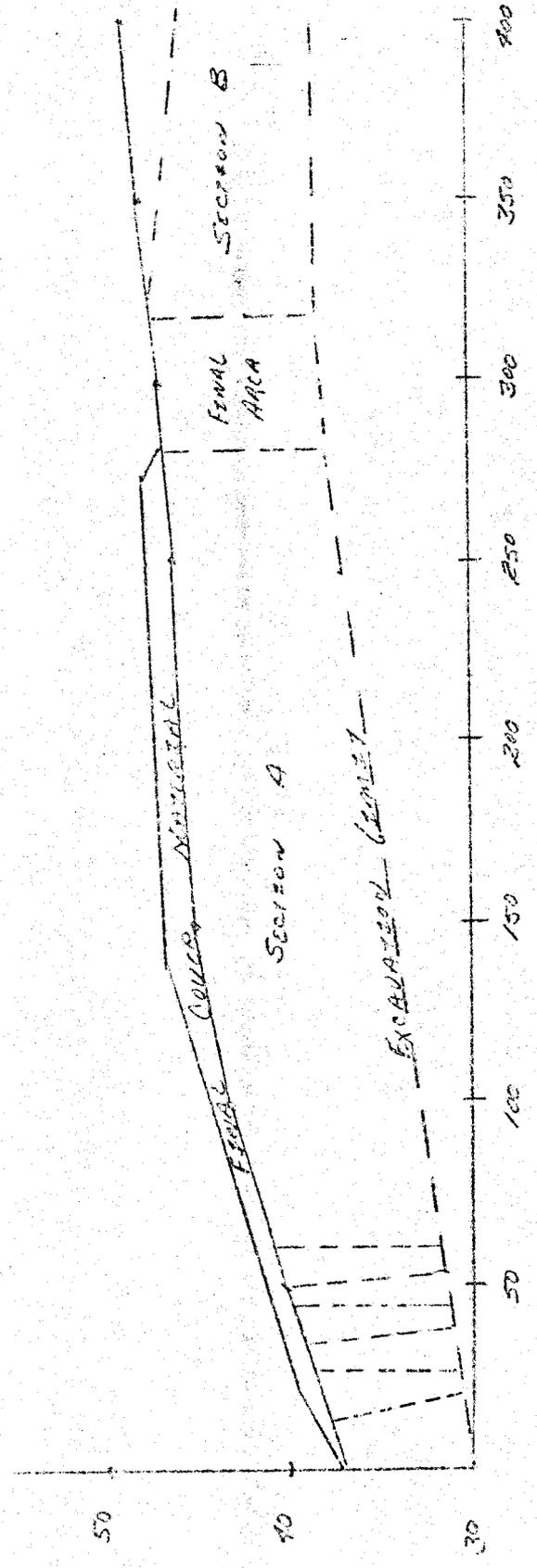
#### GENERAL RECOMMENDATIONS FOR ALL SITES

1. Compact all refuse deposited thoroughly and cover with a six-inch layer of earth. Completed sections will require two feet of final cover.
2. Improve access on all site roads as necessary and provide signs to adequately designate site location.
3. Provide site signs for user benefit.
4. No burning is to be allowed at any of the sites.
5. Keep sites policed of blowing paper at all times.





SECTION A-A.

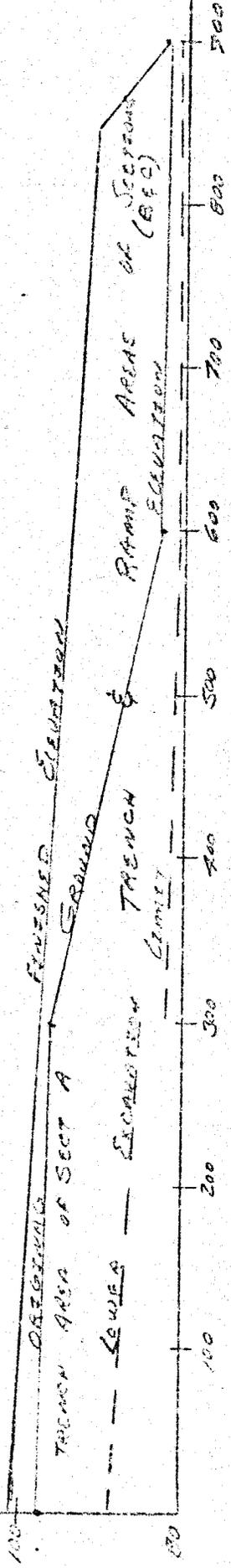


SECTION B-B

SITE No. 1  
 SECTIONS  
 BY: JEP, JEP, SBK  
 DATE: 12 NOV 1970  
 SHEET NO. SEVEN  
 2 of 2

NOTE: ELEVATIONS AS SHOWN, ARE RECAPTURE ONLY

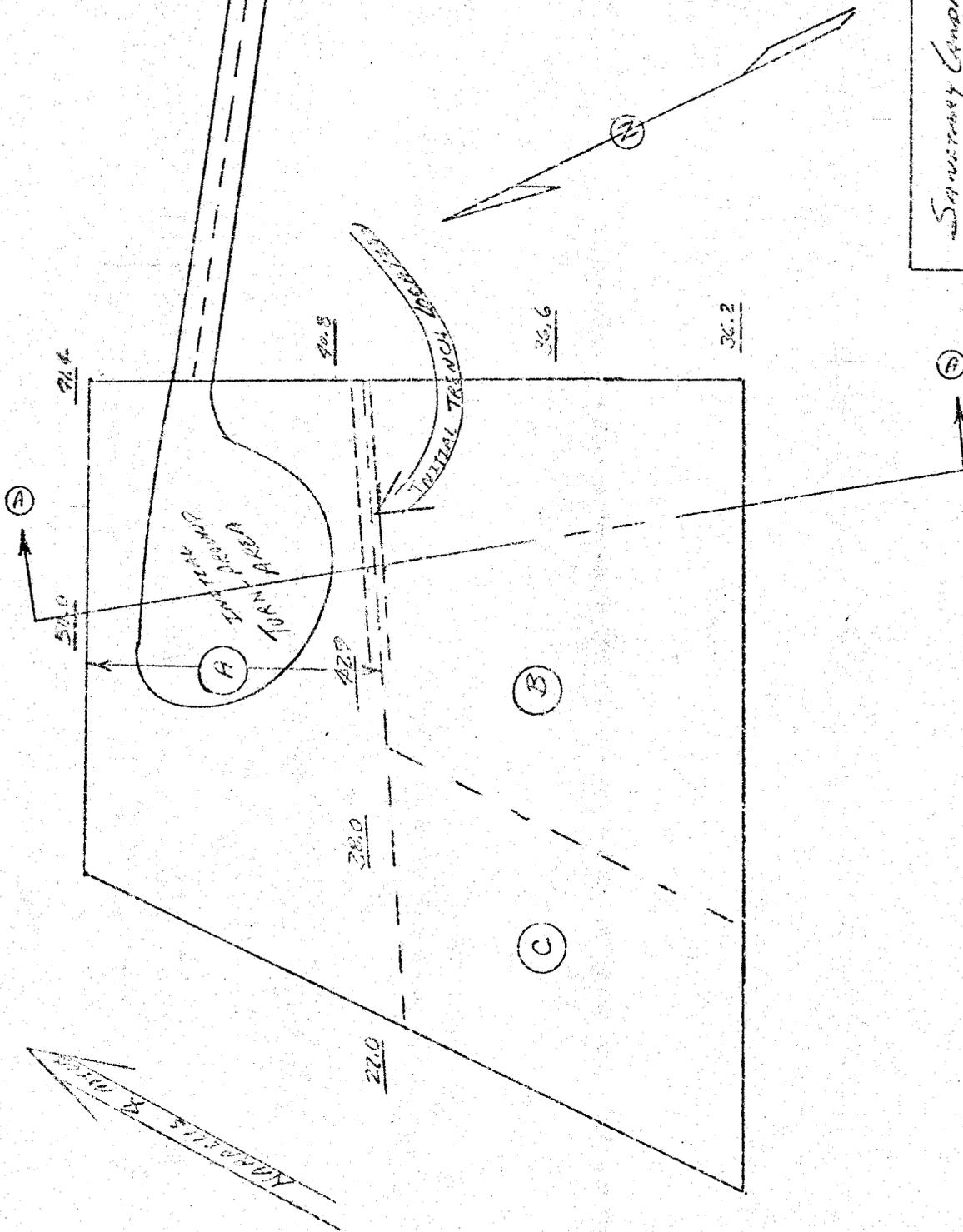




TYPICAL SECTION  
(ELEVATIONS RELATIVE)

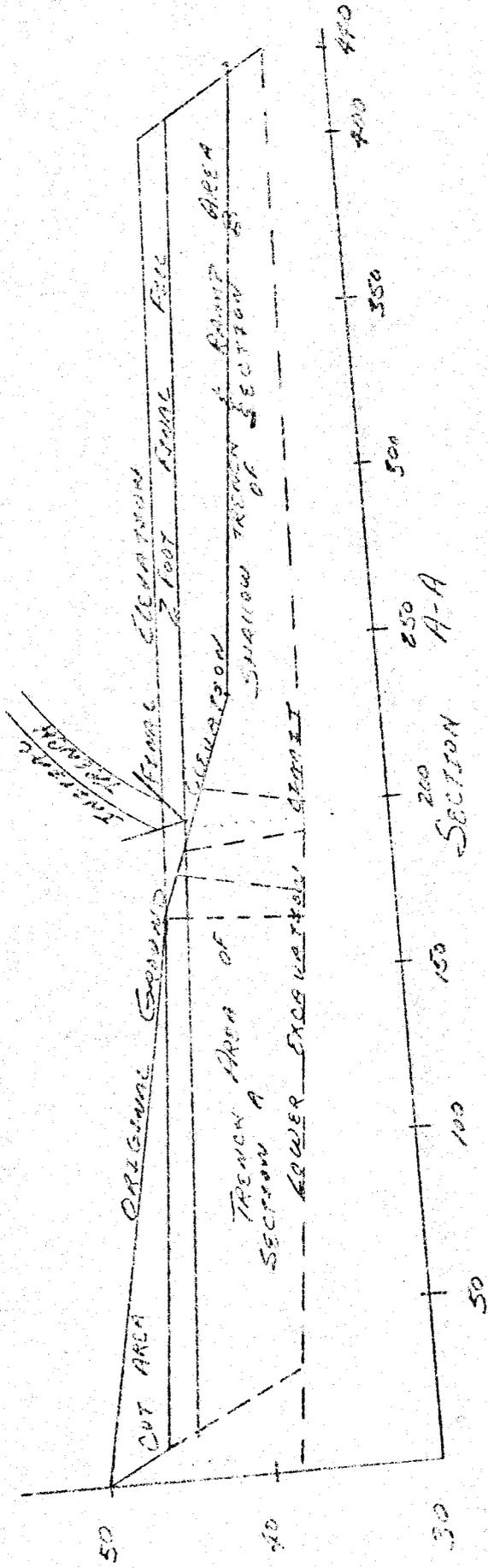
SITE No. 2  
 SECTION  
 BY: JCP, JEG, SKV  
 DATE: 12 NOV 70  
 SCALE: AS SHOWN  
 2 of 2

Note: Elevations As Shown Taken From Instruments Provided  
 At Site Under As Shown. Can Be Used For Other Sections Also.



SANITARY LANDFILL  
 SITE No. 3  
 SAMARSON CO  
 BY: JCP, JEA, SGA  
 DATE: 12/10/70  
 SCALE: 1" = 100'

Note: Elevation Reference



SITE No. 3

SECTION

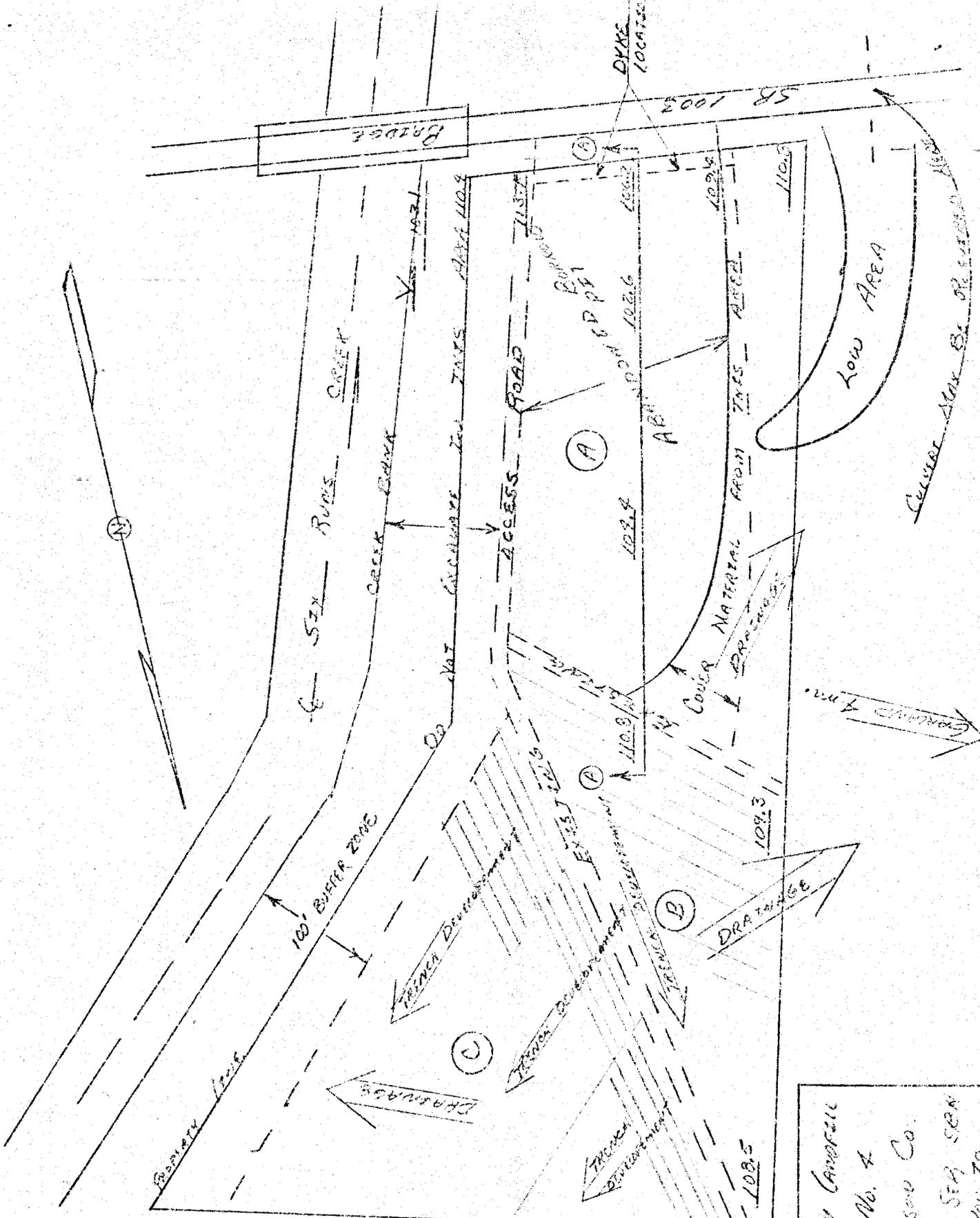
BY: JCP, SEP, 504

DATE: 12 Nov 70

SCALE: As Shown

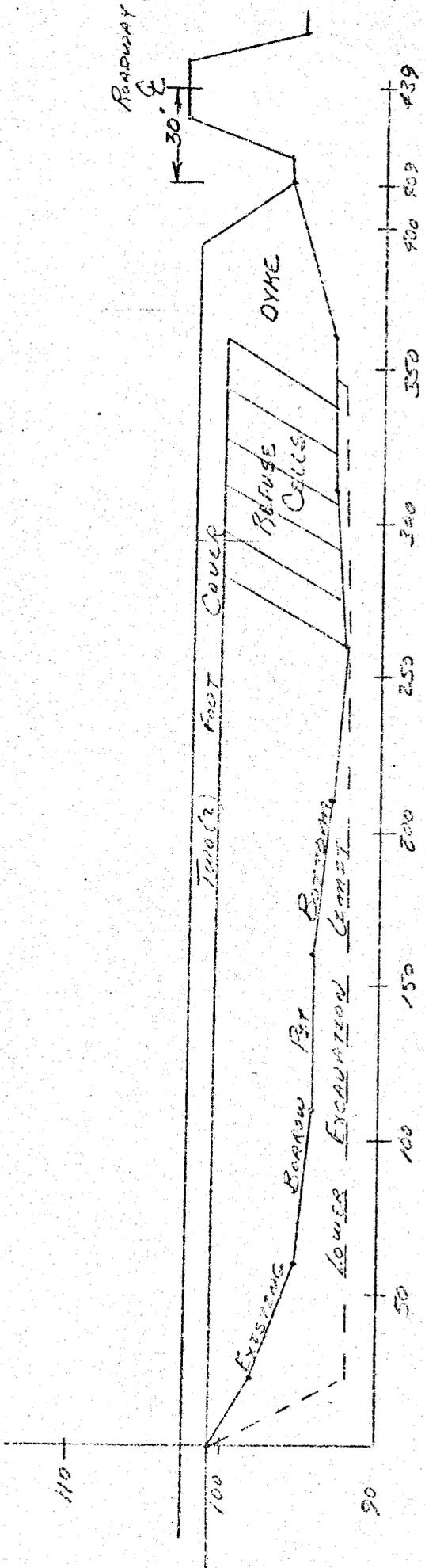
R of B

Note: Only Relative Elevations Are Shown



SURVEY CAMPBELL  
 SITE No. 4  
 SAMPSON CO.  
 BY: JCP, SEA, SEN  
 DATE: 12 Nov 70  
 SCALE: 1" = 100'

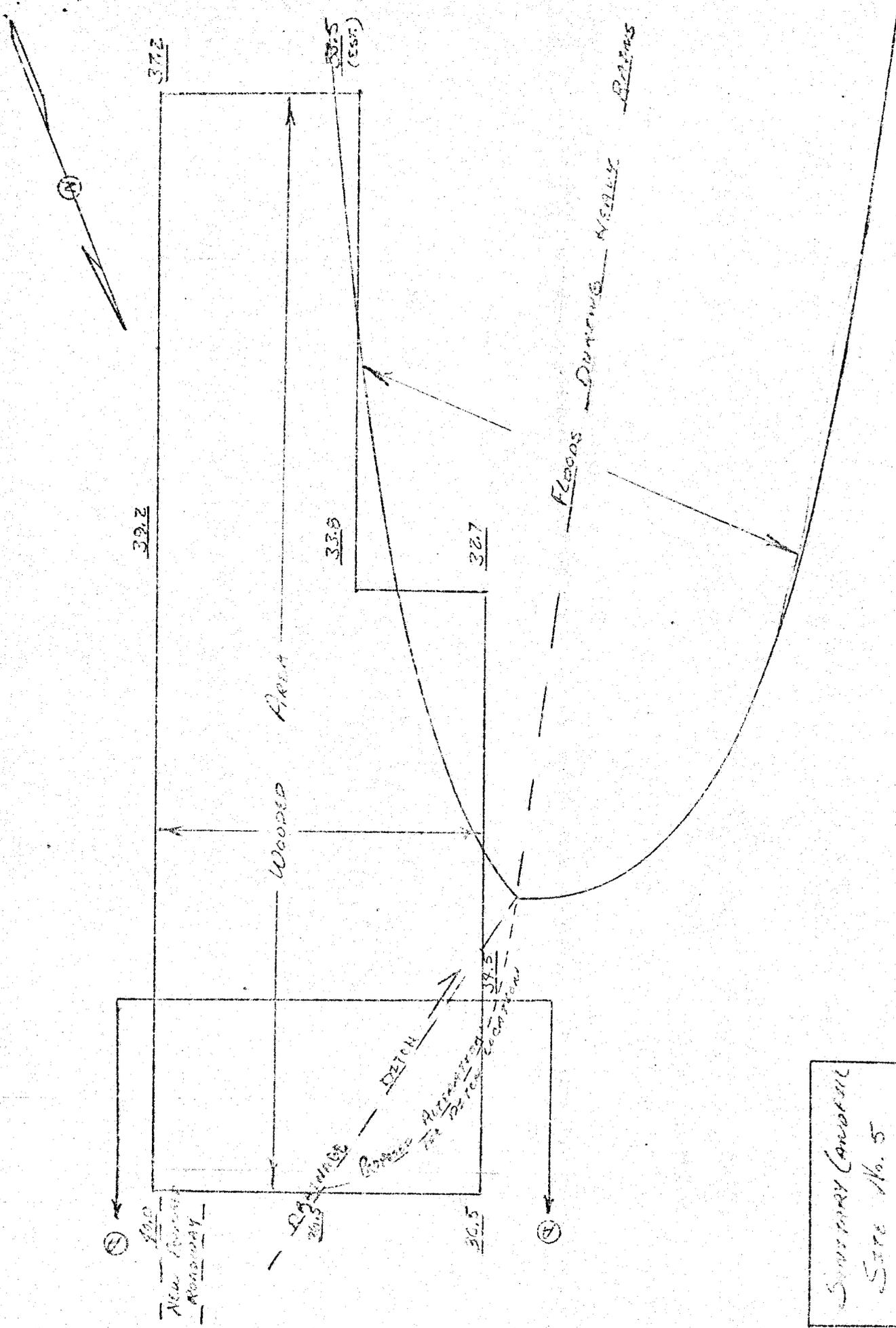
Note: 1) Plot Area Boundary from at West Moore Survey  
 of 13 Oct 70.



SECTION A-A

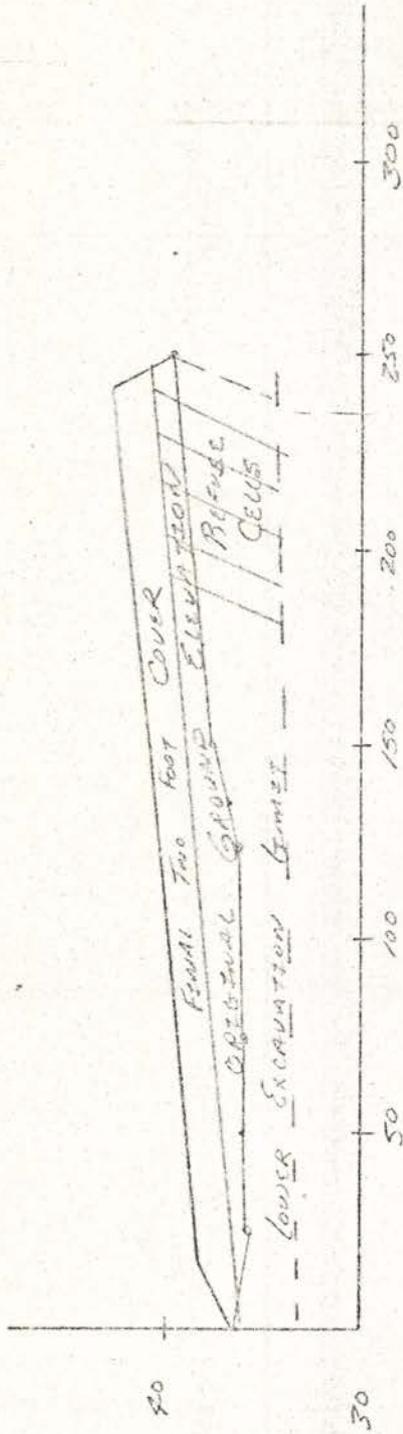
SITE No. 7  
 SECTION  
 SAMPSON Co.  
 BY: JCR SEP, 504  
 DATE: 12 Nov 70  
 SCALE: As Shown

NOTE: THIS DRAWING IS FOR INFORMATION ONLY



Survey Control  
 Site No. 5  
 Sampson Co.

Note: Elevations, as shown, are positive



SECTION A-A

Site No. 5  
 SECTION  
 SAMPSON Co  
 BY: JCP, SEP, SEN  
 DATE: 12 Nov 70  
 SCALE: As Shown  
 2 of 2

Note: All Elevations Shown Are Relative

November 4, 1970

*out*

Dr. Caroline Callison  
Health Director  
✓ Sampson County Health Department  
Cooper Drive  
Clinton, North Carolina 28328

*JFR*  
Dear Dr. Callison:

I am attaching the investigative report prepared by  
Mr. Fred J. Wood following his inspection of two proposed  
sanitary landfill sites for Sampson County.

Very truly yours,

Sidney H. Usry, Chief  
Solid Waste & Vector Control Section  
Sanitary Engineering Division

SHU:bm

Attachment

cc: Mr. W. B. Shaw

**STATE BOARD OF HEALTH**  
**SANITARY ENGINEERING DIVISION**  
RALEIGH, NORTH CAROLINA

**REPORT OF INVESTIGATION OR INSPECTION OF** Proposed Sanitary Landfill Sites

Place visited Sampson County Date October 29 19 70  
Address Sampson County Health Department Time spent 8 hours  
By whom Fred J. Wood and Jerry C. Perkins, N. C. State Board of Health  
Persons contacted Mr. W. B. Shaw, Sampson County Sanitarian  
(Owner, agent, tenant, manager, other)  
Reason for visit Request from Mr. W. B. Shaw  
Copies to: Dr. Caroline Callison, Health Director, Sampson County Health Department  
Mr. W. B. Shaw, R. S., Sampson County Health Department

**REPORT:**

The purpose of this investigation was to determine the suitability of two modified landfill sites for Sampson County. These two sites replace:

1. The Harrells site that was not suitable for a landfill operation.
2. The Newton Grove area site that was disallowed by the property owner.

Site No. I (Newton Grove area)

This site is located on State Road 1820, south of Newton Grove and will contain an area of five (5) acres. The terrain is rolling with good drainage. The ground water table is estimated to be eight (8) feet.

General Recommendations:

1. Use the trench method.
2. Construct the trench in such a way as to provide proper drainage.
3. Construct an all weather road to the site.

Site No. III (Harrells area site)

This site is located on State Road 1100, south of Harrells and will contain an area of three and seven tenths (3.7) acres. The terrain is rolling with good drainage. The ground water table is estimated to be eight (8) feet.

General Recommendations:

1. Use the trench method.
2. Construct the trench in such a way as to provide proper drainage.
3. Construct an all weather road to the site.

*Sampson  
IHR*

September 25, 1970

Mr. Paul V. Parks  
Chief, Communication Programs  
Farmers Home Administration  
Room 514  
310 New Bern Avenue  
Raleigh, North Carolina 27611

Dear Mr. Parks:

Proposed Solid Waste Disposal Site No. III located in the Harrells area of Sampson County was not approved for sanitary landfill operations. I have contacted Mr. W. B. Shaw in regard to this matter and as soon as another proposed site is secured, an investigation will be made to determine its suitability for a sanitary landfill. I will notify your office when these transactions have been completed.

Very truly yours,

Sidney H. Usry, Chief  
Solid Waste & Vector Control Section  
Sanitary Engineering Division

SHU:bm  
cc: Mr. W. B. Shaw

September 9, 1970

Dr. Caroline Callison  
Health Director  
Sampson County Health Department  
Cooper Drive  
Clinton, North Carolina 28326

Dear Dr. Callison:

I am attaching the report prepared by Mr. Fred Wood following his investigation of the proposed landfill sites in Sampson County.

If this office can provide you with assistance as this program proceeds, I shall appreciate hearing from you.

Very truly yours,

Sidney H. Usry, Chief  
Solid Waste & Vector Control Section  
Sanitary Engineering Division

Attachment  
cc: Mr. W. B. Shaw

**STATE BOARD OF HEALTH**  
**SANITARY ENGINEERING DIVISION**  
**RALEIGH, NORTH CAROLINA**

**REPORT OF INVESTIGATION OR INSPECTION OF Proposed Sanitary Landfill Sites**

Place visited Sampson County Date August 27 19 76

Address Sampson County Health Department Time spent 7 hours

By whom Fred J. Wood, State Board of Health

Persons contacted Dr. Caroline Callison, Health Director; and Mr. W. B. Shaw, Sanitarian  
(Owner, agent, tenant, manager, other)

Reason for visit Request from Mr. W. B. Shaw

Copies to: Dr. Caroline Callison, Sampson County Health Department  
Mr. W. B. Shaw, Sampson County Health Department

**REPORT:**

The purpose of this investigation was to determine the suitability of six proposed modified sanitary landfill sites for Sampson County. At the time of the investigation, no maps were available nor were boundary lines established. Due to this, no specific operational procedure will be covered in this report.

Site No. I (Newton Grove area)

Site No. I is located on SR 1317 south of Newton Grove and will contain an area of five (5) acres. The terrain is rolling with good drainage. The ground water table is estimated to be 8 to 10 feet.

General recommendations:

1. Use the trench method.
2. Construct the trench in such a way as to provide proper drainage.
3. Construct an all weather road to the site.

Site No. II (Clinton area)

Site No. II is located on SR 1924 east of Clinton and will contain an area of ten (10) acres. The land is high with good drainage. The ground water table is estimated to be 6 to 8 feet.

General recommendations:

1. Use the trench method.
2. Construct the trench in such a way as to provide proper drainage.
3. Construct an all weather road to the site.

Site No. III (Harrells area)

Site No. III is located on SR 1117 and will contain an area of five (5) acres. The land is fairly flat with an estimated ground water table of four (4) feet. This site is covered with a heavy growth of trees. Due to high construction costs, it may be advisable to obtain another site. The abandoned farm land adjacent to this property appears to be suitable for a landfill operation.

Site No. IV (Garland-Ingold area)

Site No. IV is located on SR 1134 and will contain an area of five (5) acres. This site is adjacent to the Six Runs River. The land is high and rolling and contains an old borrow pit of approximately one (1) acre.

General recommendations:

1. Use the trench method on the high ground and the area method when filling the borrow pit. Cover material for the borrow pit will have to be taken from the sides of the pit or from one of the trenches.
2. Construct the trenches in such a way as to provide proper drainage.
3. Construction of an all weather access road to the site.
4. The fill operation should be no less than one hundred (100) feet from the river.

Site No. V (Spiveys Corner area)

Site No. V is located on SR 1634. This site will contain an area of five (5) acres. The terrain is flat with small trees. The ground water table is estimated to be five to six feet.

General recommendations:

1. Use the trench method.
2. Construct a shallow trench with enough elevation that surface water will flow to the lower end.

Note: A sump pump may be needed at this site.

Site No. VI (Roseboro and Salemburg area)

Site VI is located on SR 1002. This site will contain an area of ten (10) acres. The terrain is rolling and contains an old borrow pit. The 0.4 of a mile access road will have to be cut through a low wet area with heavy trees. The construction and maintenance of this road will be high.

General recommendations:

1. Use the trench method.
2. Construct the trenches in such a way as to provide proper drainage.
3. Construct an all weather access road to the site.

Before trench excavation is begun, tests should be done to determine the water table elevation. The bottom of the trench should be at least two feet above the water table.

*Sampson*  
*lwr*

September 9, 1970

*ben*

Dr. Caroline Callison  
Health Director  
Sampson County Health Department  
Cooper Drive  
Clinton, North Carolina 28326

Dear Dr. Callison:

I am attaching the report prepared by Mr. Fred Wood following his investigation of the proposed landfill sites in Sampson County.

If this office can provide you with assistance as this program proceeds, I shall appreciate hearing from you.

Very truly yours,

Sidney H. Usry, Chief  
Solid Waste & Vector Control Section  
Sanitary Engineering Division

Attachment  
cc: Mr. W. B. Shaw

**STATE BOARD OF HEALTH**  
**SANITARY ENGINEERING DIVISION**  
**RALEIGH, NORTH CAROLINA**

**REPORT OF INVESTIGATION OR INSPECTION OF Proposed Sanitary Landfill Sites**

Place visited Sampson County Date August 27 19 70

Address Sampson County Health Department Time spent 7 hours

By whom Fred J. Wood, State Board of Health

Persons contacted Dr. Caroline Callison, Health Director; and Mr. W. B. Shaw, Sanitarian  
(Owner, agent, tenant, manager, other)

Reason for visit Request from Mr. W. B. Shaw

Copies to: Dr. Caroline Callison, Sampson County Health Department  
Mr. W. B. Shaw, Sampson County Health Department

**REPORT:**

The purpose of this investigation was to determine the suitability of six proposed modified sanitary landfill sites for Sampson County. At the time of the investigation, no maps were available nor were boundary lines established. Due to this, no specific operational procedure will be covered in this report.

Site No. I (Newton Grove area)

Site No. I is located on SR 1817 south of Newton Grove and will contain an area of five (5) acres. The terrain is rolling with good drainage. The ground water table is estimated to be 8 to 10 feet.

General recommendations:

1. Use the trench method.
2. Construct the trench in such a way as to provide proper drainage.
3. Construct an all weather road to the site.

Site No. II (Clinton area)

Site No. II is located on SR 1924 east of Clinton and will contain an area of ten (10) acres. The land is high with good drainage. The ground water table is estimated to be 6 to 8 feet.

General recommendations:

1. Use the trench method.
2. Construct the trench in such a way as to provide proper drainage.
3. Construct an all weather road to the site.

Site No. III (Harrells area)

Site No. III is located on SR 1117 and will contain an area of five (5) acres. The land is fairly flat with an estimated ground water table of four (4) feet. This site is covered with a heavy growth of trees. Due to high construction costs, it may be advisable to obtain another site. The abandoned farm land adjacent to this property appears to be suitable for a landfill operation.

Site No. IV (Garland-Ingold area)

Site No. IV is located on SR 1134 and will contain an area of five (5) acres. This site is adjacent to the Six Runs River. The land is high and rolling and contains an old borrow pit of approximately one (1) acre.

General recommendations:

1. Use the trench method on the high ground and the area method when filling the borrow pit. Cover material for the borrow pit will have to be taken from the sides of the pit or from one of the trenches.
2. Construct the trenches in such a way as to provide proper drainage.
3. Construction of an all weather access road to the site.
4. The fill operation should be no less than one hundred (100) feet from the river.

Site No. V (Spiveys Corner area)

Site No. V is located on SR 1634. This site will contain an area of five (5) acres. The terrain is flat with small trees. The ground water table is estimated to be five to six feet.

General recommendations:

1. Use the trench method.
2. Construct a shallow trench with enough elevation that surface water will flow to the lower end.

Note: A sump pump may be needed at this site.

Site No. VI (Roseboro and Salemburg area)

Site VI is located on SR 1002. This site will contain an area of ten (10) acres. The terrain is rolling and contains an old borrow pit. The 0.4 of a mile access road will have to be cut through a low wet area with heavy trees. The construction and maintenance of this road will be high.

General recommendations:

1. Use the trench method.
2. Construct the trenches in such a way as to provide proper drainage.
3. Construct an all weather access road to the site.

Before trench excavation is begun, tests should be done to determine the water table elevation. The bottom of the trench should be at least two feet above the water table.

*Sampson*  
*HR*

February 24, 1970

Mr. Randolph Hendricks, Planning Coordinator  
State Planning Division  
Clearinghouse and Information Center  
Department of Administration  
Raleigh, North Carolina 27602

Dear Mr. Hendricks:

The Solid Waste Disposal Plan for Sampson County was prepared by this office as an assistance to that county with their solid waste disposal program. It is our opinion that the approval of a grant from the Farmers Home Administration will provide needed assistance to this county in the implementation of this program.

Very truly yours,

Sidney H. Usry, Chief  
Insect and Rodent Control Section  
Sanitary Engineering Division

SU/mg

cc: Mr. B. Gene Barrett

DEPARTMENT OF ADMINISTRATION  
State Planning Division  
Clearinghouse and Information Center  
Raleigh, North Carolina 27602

NOTIFICATION REFERRAL

ACTION REQUESTED

To: Name Mr. B. Gene Barrett, Planning Officer

Agency State Board of Health

Address \_\_\_\_\_

Re: Clearinghouse Notification No. 70-0059

The attached Notification to Clearinghouse of Intent of Apply for Assistance is referred to you for review and comment in accordance with Project Notification and Review System procedures established under Bureau of the Budget Circular No. A-95.

TELEPHONE RESPONSE REQUESTED BY February 13, 1970

WRITTEN RESPONSE REQUESTED BY February 24, 1970

In each response, please refer to the Clearinghouse Notification No. shown above.

It is recommended that you contact the applicant directly if your agency needs additional information on the proposed application, or if there are any questions which may be resolved in this way.

Please reply to: Randolph Hendricks, Planning Coordinator  
State Planning Division  
Telephone 829-4131

<p><b>APPLICATION</b></p> <p><b>FEDERAL ASSISTANCE FOR PUBLIC WORKS AND FACILITY TYPE PROJECTS</b></p> <p><i>(Please read the Instructions before completing this application. Submit application in original and one copy. Attach additional sheets if necessary.)</i></p>	<b>DO NOT WRITE IN THIS AREA - FOR GOVERNMENT USE ONLY</b>			
	<b>IA NO.</b>	<b>REFERRAL</b>		
	<b>AGENCY</b>	<b>DATE RECEIVED</b>	<b>DATE REFERRED</b>	<b>TO</b>
	<b>AGENCIES ASSUMING JURISDICTION</b>			
<b>AGENCY</b>	<b>DATE</b>	<b>PROJECT COMPONENT</b>	<b>PROJECT NO.</b>	

**1A.** APPLICANT *(Exact legal name or proposed name if not incorporated)*  
**Sampson County**

CITY OR TOWN \_\_\_\_\_ (County) \_\_\_\_\_ (State) \_\_\_\_\_ (Zip code)

**1B. TYPE OF ORGANIZATION** *(Check appropriate box)*

STATE GOV. AGENCY    
  LOCAL GOV. UNIT    
  NON-PROFIT ORGANIZATION    
  OTHER *(Specify)*

**2. LOCALITIES TO BE SERVED**

CITIES, TOWNS, OR AREAS <i>(List separately)</i>	COUNTY	POPULATION		
		1960	CURRENT <i>(Est.)</i>	TO BE SERVED BY PROJECT

**3. DESCRIPTION AND PURPOSE OF PROPOSED PROJECT**

**A. DESCRIPTION**

Solid waste disposal for rural areas of Sampson County and municipalities with population under 5500 persons.

**B. PUBLIC INTEREST AND NECESSITY**

To provide sanitary disposal of solid wastes for persons in area to be served at a reasonable cost per user.

**C. PLANNING AGENCY** *(County, Multi-county, Regional, etc.)*

REVIEWED BY PLANNING AGENCY *(Attach comments)*    
  NOT REVIEWED BY PLANNING AGENCY *(If not, explain)*

4. METHOD OF FINANCING (In thousands of dollars)

SOURCE OF FUNDS	C O M P O N E N T S				TOTAL (5)
	W A S T E		WATER (3)	OTHER (Describe in G. below) (4)	
	TREATMENT (1)	Sanitary Landfill (2)			
A. FEDERAL GRANT REQUESTED	\$	\$ 38750.00	\$	\$	\$ 38750.00
B. FEDERAL LOAN REQUESTED					
C. OTHER FEDERAL CONTRIBUTION					
D. STATE CONTRIBUTION					
E. APPLICANT CONTRIBUTION		387500.00			38750.00
F. ESTIMATED TOTAL PROJECT COST	\$	\$ 77500.00	\$	\$	\$ 77500.00

G.

5. OTHER FEDERAL ASSISTANCE - PREVIOUS OR PENDING

NAME OF AGENCY	TYPE OF ASSISTANCE	INDEBTEDNESS OUTSTANDING, IF ANY	AMOUNT REQUESTED
Department of Health and Welfare	Grant		

The applicant represents that the data in this application are true and correct to the best of his knowledge and belief and that the filing of this application has been duly authorized by the governing body of the applicant.

EXACT LEGAL (Corporate) NAME OF APPLICANT (If unincorporated, enter proposed name)

Sampson County, North Carolina

ATTEST (Signature of attesting officer)

Allie R. McCullen

BY (Signature of authorized officer)

Perry B. Lockerman

TITLE

Secretary, County Board of Commissioners

TITLE

Chairman, Sampson County Board of Commissioners

NOTE: Additional Information May Be Requested To Support This Application.

(DO NOT WRITE IN THIS SPACE - FOR GOVERNMENT USE ONLY)

SAMPSON COUNTY BUDGET FOR SOLID  
WASTE PROJECT

CAPITAL OUTLAY

Land

11 sites		
3 sites	15 acres each @ \$300.00 -----	\$ 13,500.00
8 sites	10 acres each @ \$300.00 -----	<u>24,000.00</u>
	TOTAL LAND -----	\$ 37,500.00

Equipment

One (1) High lift loader with multi purpose bucket		
Allis Chalmers HD 7 Gavequal -----		28,000.00
One (1) Dump Truck -----		6,000.00
One (1) Tilt Type trailer -----		3,000.00
Structures-Shelters for equipment and office -----		<u>3,000.00</u>
TOTAL -----		\$ 40,000.00
TOTAL CAPITAL OUTLAY -----		\$ 77,500.00

OPERATING BUDGET

One (1) operator -----	6,000.00
Fuel and repairs -----	3,300.00
Depreciation equipment -----	3,500.00
Miscellaneous (fencing, access roads, signs, etc.) -----	<u>5,000.00</u>
SUB TOTAL -----	\$17,800.00

OTHER EXPENSES NOT SHOWN ABOVE

Legal Fee's -----	2,000.00
Engineering and surveying -----	2,500.00
Consultant fees -----	1,000.00
Supervision -----	3,500.00
Travel -----	800.00
Auditor -----	400.00
Secretary -----	500.00
Postage -----	100.00
Telephone -----	100.00
Office Supplies and equipment -----	<u>100.00</u>
SUB TOTAL -----	\$11,000.00
TOTAL -----	28,800.00

TOTAL COST OF PROGRAM -----	\$106,300.00
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February 17, 1970

Mr. W. B. Shaw, R.S.  
Sampson County Health Department  
Cooper Drive *LOK*  
Clinton, North Carolina 28328

Dear Mr. Shaw:

I am enclosing a copy of the proposed management program for solid waste disposal in Sampson County. The required copies have been sent to Mr. Paul Parks, Farmers Home Administration in Raleigh.

Very truly yours,

Sidney H. Usry, Chief  
Insect and Rodent Control Section  
Sanitary Engineering Division

SU/mg