Lincoln-Lancaster County Health Department

ENVIRONMENTAL HEALTH DIVISION
3140 N STREET · LINCOLN, NE 68510-1514 (402) 441-8000

Permit

SEWAGE INSTALLATION
LAGOON

Establishment

DUSTROL INC
T11N R7E SEC 28
LOT 33
6001 ARBOR ROAD

Permitee

DUSTROL INC
BOX0029493
BOX 0029493
LINCOLN NE 68529

Permit # 99380201401

Issued 06/15/99
Expires 12/15/99
Revenue Code 3157

FEES: $150.00

TOTAL: $150.00

Leon F. Vinci, MPH, Health Director

• POST IN A PROMINENT PLACE • NOT TRANSFERABLE

010576

Lincoln-Lancaster County Health Department
Environmental Health Division
3140 "N" Street • Lincoln, NE 68510-1514
Phone: 402-441-8022

A

Permit Number:

Sewage Disposal System

Request for Site Clearance and Permit

Include Form B, Form C and Applicable Fees with this Application.

☐ Septic System ☒ Lagoon ☐ Other (Refer to Form C)

The undersigned hereby requests site clearance and permit to construct a Sewage Disposal System in conformance with appropriate resolution or ordinance, as described herein:

PLEASE PRINT OR TYPE

A. System Location (Indicate correct number and street)

Address 6001 Arbor Road (no rural route) City Lincoln NE, Zip 68517

Legal Description 28 11N 7E 33
1/4 1/4 Section Township Range Subdivision Addition Block Lot

Geographical Location (if known): Longitude _____ Latitude _____

☒ Check if system mail address is not the same as the owner's address

B. Owner

Name Dustrol, Inc. Signature Dustrol, Inc by Harland Beck Area Manager

Address P.O. Box 29493 City/State/Zip ~~Lincoln~~ Lincoln, NE 68529

☐ Check if owner designed system Home Phone _____ Work Phone 466-1184

C. Contractor

Name Andy Hartmann Company Name Hartmann Custom Service Co.

Address 1255 238th City/State/Zip Seward, NE 68434

☐ Check if contractor designed system Work Phone 402-643-6435

D. Engineer/Installer ☒ Check and complete if engineer designed system

Designer Name Bob Ross Firm Ross Engineering, Inc Work Phone 474-7677

E. This System Will Serve a

☐ Residential Dwelling Number of Bedrooms ____ Is there a Whirlpool Bathtub YES NO

☒ Commercial Establishment/Other Facility Specify Equipment Maintenance Shop

Design flow in gallons per day _____ Type of Wastewater: ☐ Domestic ☐ Non-Domestic.

DO NOT WRITE BELOW THIS LINE

Approval Process ☒ Municipal Code 24.38 ☐ County Resolution No. 2832

1. **Health Department** NEEDS STATE APPROVAL ALSO, Date rec'd 6/15/99 Date frwd 6/15/99 **ACTION** ☒ Approved ☐ Disapproved Signature Jerrold C. Hood
2. **Supt. Bldg. Insp. or Village Clerk** Date rec'd 6/15/99 Date frwd 6/15/99 **ACTION** ☒ Approved ☐ Disapproved Signature _____
3. **City or County Engineer** Date rec'd 6-15-99 Date frwd 6-15-99 **ACTION** ☒ Approved ☐ Disapproved Signature _____
   CHECK FOR FLOOD PLAIN
   10-28-99 mm

Installation Final Written Approval

By Ron Magnuson

Date 11-7-99

Business Office Use Only

Date Rec'd 06/14/99
Amt Paid 150
Rec'd By _____ Cash/Check No. 7889

FORM 23-100 10-96 White - Health Dept. Yellow - Engineer Pink - Bldg. Inspector Also well

Lincoln-Lancaster County Health Department
Environmental Health Division
3140 "N" Street • Lincoln, NE 68510-1514
Phone: 402-441-8022

B

Permit Number:

Sewage Disposal System

Soil Absorption Test Data Report
Annex to Application

PLEASE PRINT OR TYPE

System Location (Indicate correct number and street)

Address _____ City _____ NE, Zip _____
(no rural route)

Owner _____ Addresss _____

Soil Type (SCS): _____ Percolation Rate: _____ min./inch

Date of Tests _____ to _____ Weather: Precipitation _____ Temperature _____

Percolation Test Data Table

A.	B.	C. D. E. F. Pre-Saturation Period				G. H. I. J. K. Percolation Readings					L. M. N. Results		
		Start		End		Start			End				
Hole No.	Hole Depth (in)	Date (Mo/Da)	Time (Hr/Min)	Date (Mo/Da)	Time (Hr/Min)	Date (Mo/Da)	Time (Hr/Min)	Water Lev (in.)	Date (Mo/Da)	Time (Hr/Min)	Elapsed Time (Min)	Water Level Drop (in)	Percolation Rates (Min/in)

Person Conducting Percolation Tests

Name: _____

Phone: _____

Address _____

_____

Sum of Percolation Rates: _____

Average of Rates: _____

Rate Used for Calculation: _____

DO NOT WRITE BELOW THIS LINE

Reviewing Action

Remarks _____

_____

_____

Signature of Reviewing Official _____ Date _____

FORM 23-101 10-96

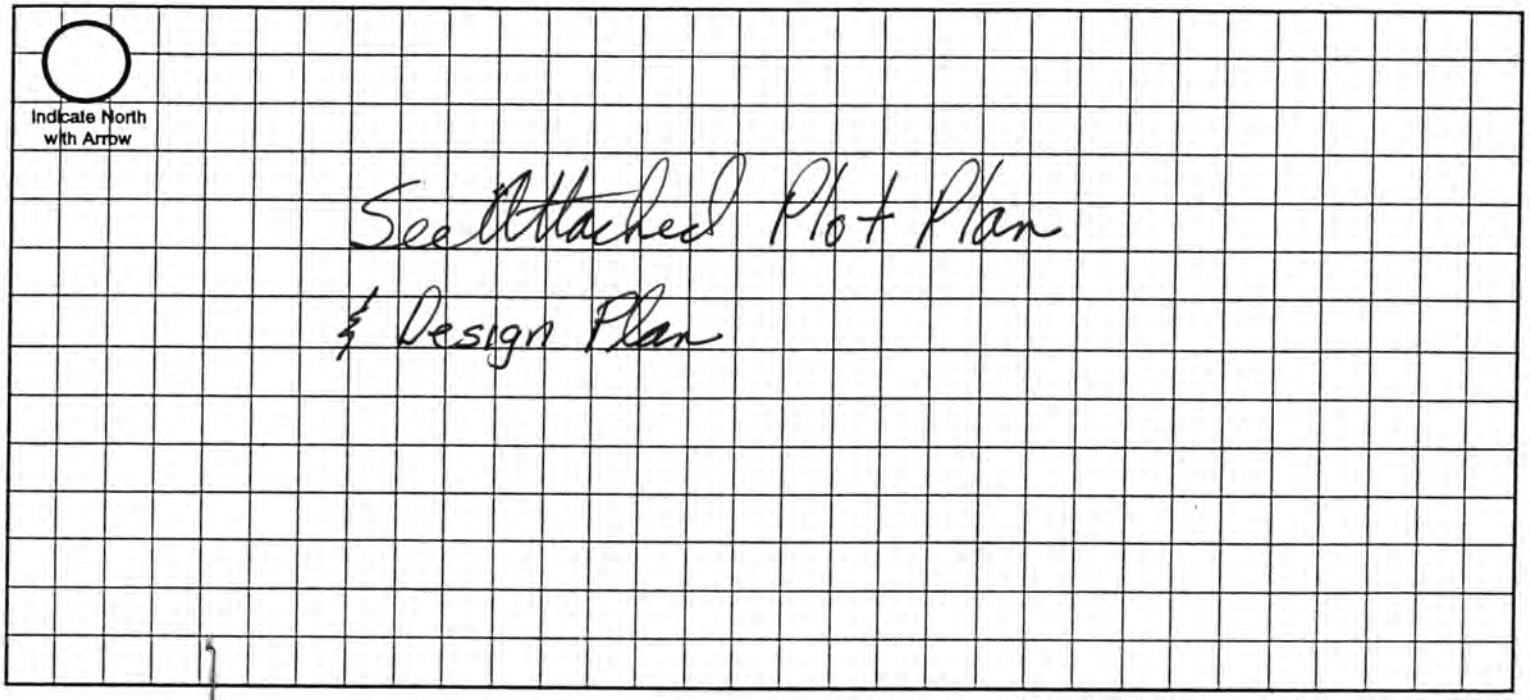
Lincoln-Lancaster County Health Department
Environmental Health Division
3140 "N" Street • Lincoln, NE 68510-1514
Phone: 402-441-8022

C

Permit Number:

Sewage Disposal System
Preliminary Plan Specifications

Draw a plot plan showing system location, lines, distribution box, tank and laterals, percolation test hole locations, well, residence, compass direction and property lines. Indicate on drawing if residence and well are existing or proposed.



Approximate Scale: _____ ft. = _____ grid line/s

A. System Location (Indicate correct number and street)

Address (no rural route) 6001 Arbor Road City Lincoln NE, Zip 68517

B. Proposed Septic Tank/s

Tank Material: ☐ Concrete ☐ Plastic ☐ Other _____

C. Proposed Absorption System (See Form B for Percolation Information)

Percolation Rate _____ (min. per inch) Soil Type: _____ Land Slope: _____ %

Type of Absorption System: ☐ Trench ☐ Bed ☐ Other _____

Total Square Feet of Field Required: _____ sq. ft.

Type of Lateral: ☐ Half-Moon ☐ Perforated Pipe ☐ Other Lateral Material: _____

Capacity of Septic Tank _____ gals Number of Absorption Beds: _____ Number of Distribution Laterals per Bed _____

Total Length of Laterals _____ ft. Number of Trenches _____ Trench Width _____

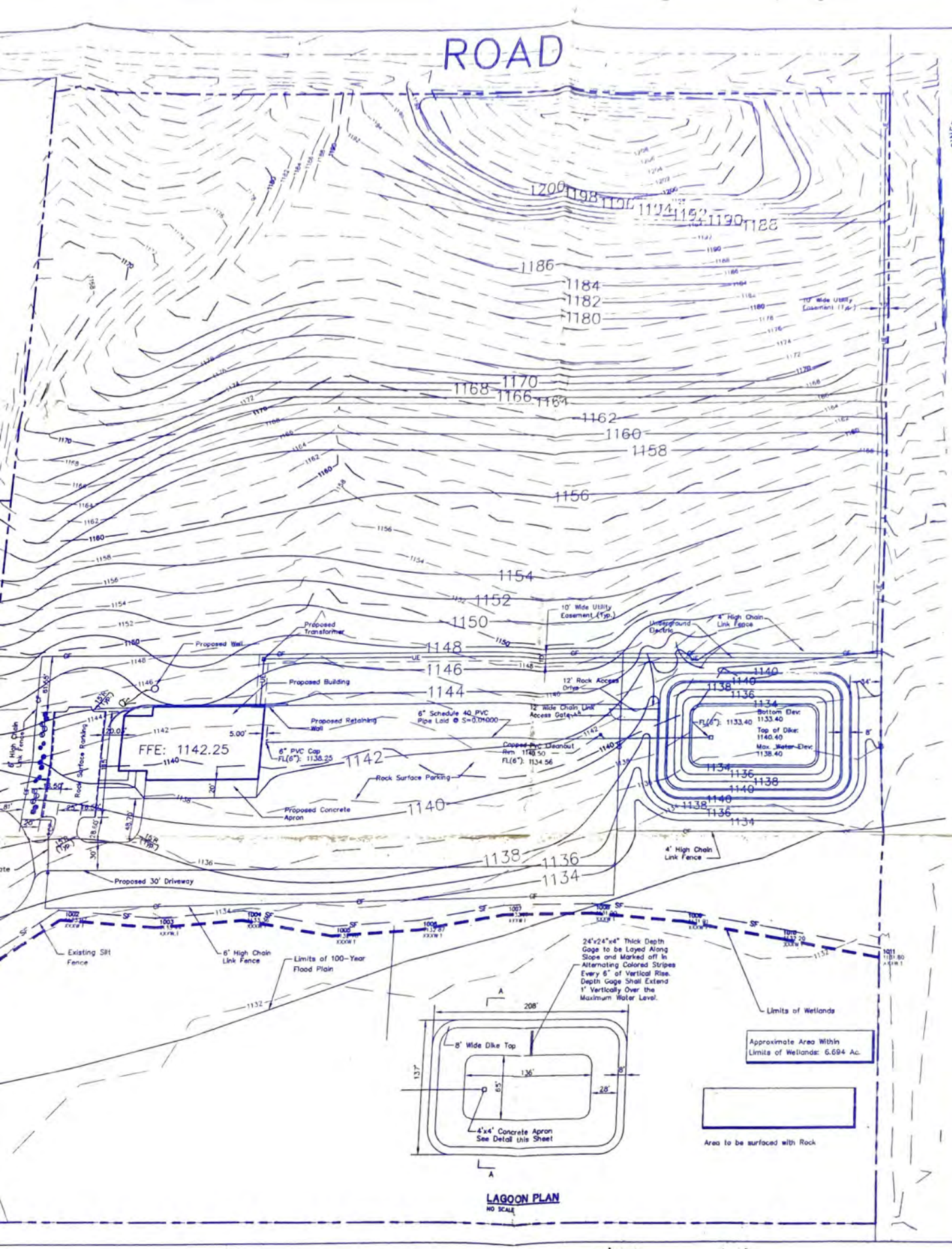
D. Setbacks Check the Boxes Below if the Required Setback has been Satisfied

Distance From	Private Well	Public Well	Surface Water	Gound Water	Pressure Water Lines	Property Lines	Foundations Yours	Foundations Neighbors	All Other Setbacks
Tank (ft)	50 ☐	500 ☐	50 ☐	NA ☐	25 ☐	20 ☐	15 ☐	25 ☐	☐
Field (ft)	100 ☐	500 ☐	50 ☐	4 ☐	30 ☐	20 ☐	30 ☐	40 ☐	☐
Lagoon (ft)	100 ☒	500 ☒	50 ☒	N/A ☐	30 ☒	50 ☒	100 ☒	200 ☒	☒

E. Required Signatures

Home Building Contractor _____ Date _____

Installer Andy W. Hartmann Hartmann Custom Service Co. Date 14 June 99



Ross Engineering Inc.
ENGINEERS • PLANNERS • SURVEYORS
645 N Street Suite 201 Lincoln, NE 68508
Phone 402-474-2677 FAX 402-474-2679

No.	Revisions	Date

Scale 1"=60'
Drawn GED
Checked
Approved

Job# 1046-1A
File 1046101GR
Date 10/12/98
Pdate 12/11/98

DUSTROL, INC.
68TH STREET & ARBOR ROAD
LINCOLN NEBRASKA

SITE/ GRADING PLAN

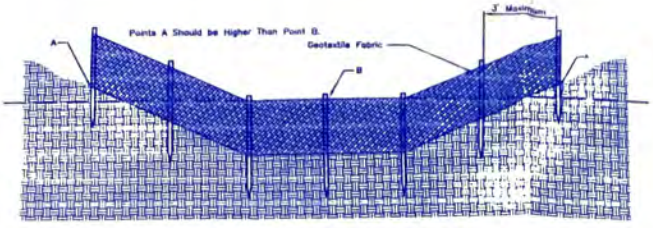
Sheet No. 1 OF 1

NOTES AND SPECIFICATIONS

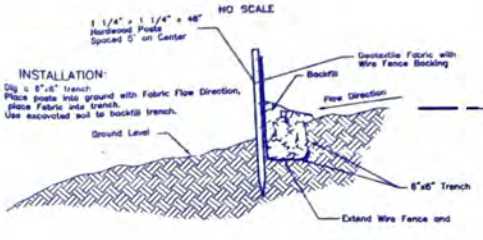
1. SURFACE DRAINAGE SHALL BE DIVERTED AROUND POND.
2. ALL DIKE SLOPES SHALL BE 4 FEET HORIZONTAL TO 1 FOOT VERTICAL TO ALLOW FOR STANDARD MOWING EQUIPMENT. SPOIL EXCESS EXCAVATION ON OUTER SLOPES TO FLATTEN.
3. THE FLOOR OF THE LAGOON SHALL BE LEVEL.
4. THE FENCE SHALL BE A MINIMUM OF 4 FOOT HIGH CHAIN LINK, WITH STANDARD 12' WIDE GATE TO PROVIDE FOR VEHICULAR ACCESS.
5. ALL DIKE AREA 1 FOOT ABOVE THE MAXIMUM WATER LEVEL SHALL BE SEEDED WITH A DENSELY-GROWN, SHORT-ROOTED PERENNIAL GRASS SUCH AS BLUE, REED, CANARY, OR INDIANGRASS. GRASS SHALL BE MOWED NO MORE THAN ONCE EACH YEAR, AND THEN ONLY AFTER JULY 1.
6. THE INLET LINE SHALL BE SCHEDULE 40 6" PVC PIPE WITH A MINIMUM SLOPE 1.00%. THE INLET PIPE EXTENDING INTO THE POND SHALL DISCHARGE AT THE POND BOTTOM AND SHALL BE PERMANENTLY SUPPORTED AT THAT LEVEL. THE INLET PIPE SHALL DISCHARGE ON A 4 FOOT SQUARE APRON.
7. A CLEANOUT SHALL BE LOCATED JUST OUTSIDE THE DIKE 1 FOOT ABOVE THE MAXIMUM POND WATER LEVEL.
8. THE MAXIMUM WATER LEVEL SHALL BE 8 FEET AND THE MINIMUM 2.50 FEET. FOLLOWING CONSTRUCTION OF THE POND AND PRIOR TO ANY WASTEWATER DISCHARGE, THE POND SHALL BE PREFILLED TO THE 1 FOOT LEVEL WITH WATER FOR A SEEPAGE TEST. SEEPAGE SHALL NOT EXCEED 1/8" PER DAY FOR A PERIOD OF ONE WEEK FOR ACCEPTANCE.
9. POND BOTTOM AND INTERIOR DIKES UP TO A HEIGHT OF 1 FOOT ABOVE THE MAXIMUM 8 FOOT WATER LEVEL SHALL BE TREATED WITH A HERBICIDE AT THE MANUFACTURER'S RECOMMENDED STERILIZATION RATE. CARE SHALL BE TAKEN NOT TO APPLY HERBICIDE ON DIKE AREA WHERE GRASS WILL BE SEEDED.
10. THE LAGOON SHALL BE INSPECTED BY AN EA ENGINEER BEFORE PREFILLING WITH WATER.
11. THE CLAY LINER SHALL BE CONSTRUCTED OF THREE 6' LIFTS, WITH COMPACTION OF EACH LIFT AT 4% ABOVE OPTIMUM WATER CONTENT TO AT LEAST 95 PERCENT STANDARD PROCTOR DENSITY.
12. THE BOTTOM TWO LIFTS SHALL HAVE 0.5 lbs/sq ft OF GRANULAR BENTONITE SPREAD WITH AND TILLED IN BEFORE COMPACTION. TILLING SHALL BE PERFORMED WITH DISK, ROTOTILLER OR OTHER EQUIPMENT SUITABLE TO COMPLETELY MIX THE BENTONITE THROUGHOUT THE LIFT.
13. "NO TRESPASSING – WASTE LAGOON" SIGN IS RECOMMENDED TO BE POSTED ON THE FENCE SURROUNDING THE POND.
14. THE PERMANENT CHAIN LINK FENCE IS TO BE COMPLETED WITHIN 10 DAYS AFTER CONSTRUCTION APPROVAL IS RECEIVED AND SHALL BE CONSTRUCTED NO CLOSER THAN 6' AWAY FROM THE TOE OF THE DIKE. TEMPORARY SNOW FENCE SHALL BE INSTALL AROUND THE PERIMETER OF THE PERMANENT CHAIN LINK FENCE UNTIL SUCH TIME THAT THE SEEDED GRASS IS FULLY ESTABLISHED ON THE DIKE.
15. THIS WASTEWATER LAGOON IS DESIGNED FOR COMPLETE RETENTION AND SHALL NOT HAVE A PIPED OUTLET OR OVERFLOW.



VICINITY MAP



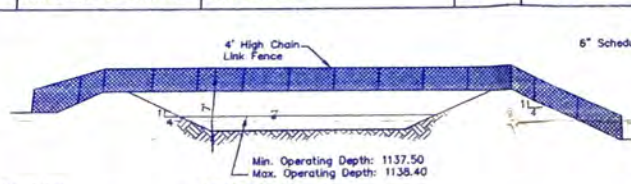
SILT FENCE DETAIL
NO SCALE



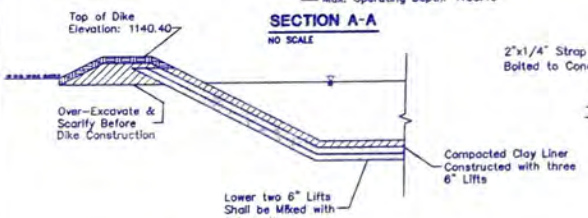
LANDSCAPE SCHEDULE

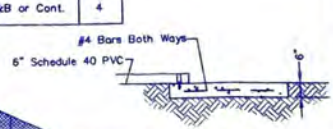
SYMBOL	COMMON NAME	BOTANICAL NAME	PLANTING SIZE	PLANTING METHOD	QUAN.
	Forsytnia, Golden Bell	Forsythia x intermedia	2' – 3'	BR, B&B or Cont.	8
	Juniper, Sea Green	Juniperus chinensis Sea Green	18" – 24"	B&B or Cont.	3
	Juniper, Pfitzer	Juniperus chinensis pfitzerlana	18"– 24"	B&B or Cont.	4
	Privet, Common European	Ligustrum vulgare	3' – 4'	BR, B&B or Cont.	4

Place Approx. 26
6' Pre-Cast Curb Stops
Along Parking Edges (Typ.)

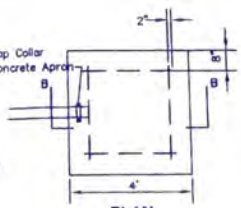


SECTION A-A
NO SCALE





SECTION B-B
CONCRETE APRON DETAIL
NO SCALE



PLAN

LAGOON DIKE AND LINER CONSTRUCTION DETAIL
NO SCALE

LEGAL DESCRIPTION

A Legal description of a portion of Lot 23 Irregular Tract, located in the Southwest Quarter of Section 28, Township 11 North, Range 7 East of the 6th P.M., Lancaster County, Nebraska and more particularly described by metes and bounds as follows:

Referring to the Center One-Quarter Corner of Section 28, Township 11 North, Range 7 East of the 6th P.M., Lancaster County, Nebraska; Thence S 00°01'46" W, (an assumed bearing), and on the East Line of the Southwest Quarter of said Section 28, a distance of 50.00 feet to the Northeasterly Corner of Lot 23 Irregular Tract of said Section 28 and also said point is on the Southerly Right-of-way Line of Arbor Road and the POINT OF BEGINNING; Thence continuing on the last described course, Thence S 00°01'46" W, and on the East Line of the Southwest Quarter and Lot 23 Irregular Tract of said Section 28, a distance of 1267.09 feet to the East One-Sixteenth Corner of the Southwest Quarter or the Southeasterly Corner of Lot 23 Irregular Tract of said Section 28; Thence N 89°40'20" W, and on the South Line of the North Half of the Southwest Quarter and Lot 23 Irregular Tract of said Section 28, a distance of 975.80 feet; Thence N 00°00'00" E, and on the Westerly Line of Lot 23 or the Easterly Line of Lot 10 Irregular Tracts and parallel to the West Line of the Southwest Quarter of said Section 28, a distance of 1266.23 feet to the North-Northwesterly Corner of Lot 23 Irregular Tract of said Section 28 and said point is on the Southerly Right-of-way Line of said Arbor Road; Thence S 89°43'22" E, and parallel to the North Line of the Southwest Quarter and on the Northerly Line of Lot 23 Irregular Tract of said Section 28 or the Southerly Right-of-way Line of said Arbor Road, a distance of 976.25 feet to a point on the East Line of the Southwest Quarter of said Section 28 to the point of beginning and containing a calculated area of 1,236,156.35 square feet or 28.378 acres, more or less.