



# STORM WATER POLLUTION PREVENTION PLAN

PROJECT NO. 541028

Country Meadows Neighborhood

Lincoln, Nebraska

Jan. 2015



## City of Lincoln - Engineering Services

### TABLE OF CONTENTS

- SECTION 01 - CONSTRUCTION WATER NOTICE OF INTENT (CSW-NOI), NOTICE OF TRANSFER (CSW-TRANSFER) AND NDEQ ISSUANCE OF AUTHORIZATION
- SECTION 02 - SWPPP NARRATIVE
- SECTION 03 - SWPPP VICINITY MAP AND SITE PLAN
- SECTION 04 - SWPPP CERTIFICATION, CONTACT LIST AND EXECUTIVE SUMMARY
- SECTION 05 - CONTRACTOR CERTIFICATION FORM
- SECTION 06 - INSPECTION REPORT (SAMPLE FORM) WITH GENERAL CONTRACTOR'S DELEGATED INSPECTOR LETTER
- SECTION 07 - SPILL REPORT FORM
- SECTION 08 - CONSTRUCTION STORM WATER NOTICE OF TERMINATION (CSW-NOT)
- SECTION 09 - RECORD OF STABILIZATION AND CONSTRUCTION ACTIVITY DATES
- SECTION 10 - CONSTRUCTION SITE NOTICE
- SECTION 11 - LOG FOR FEDERAL, STATE OR LOCAL STORM WATER OR OTHER ENVIRONMENTAL INSPECTIONS
- SECTION 12 - GENERAL PERMIT (NER 110000)

City Paving Project 541028 – Country Meadows Neighborhood



## **City of Lincoln - Engineering Services**

### **SECTION 01**

#### **CONSTRUCTION WATER NOTICE OF INTENT (CSW-NOI), NOTICE OF TRANSFER (CSW-TRANSFER) AND NDEQ ISSUANCE OF AUTHORIZATION**

City Paving Project 541028 – Country Meadows Neighborhood

949 West Bond St., Ste. 200 • 441-7711/441-6576 (fax)  
[www.lincoln.ne.gov](http://www.lincoln.ne.gov)



# Nebraska Department of Environmental Quality

## Construction Storm Water Notice of Intent (CSW-NOI)

### Readiness to Apply (Circle "yes" or "no" as it applies to this project)

Does a reasonable potential exist for permit authorization to be limited? [Part I.C.3]

YES  NO

If the answer to this question is Yes, contact NDEQ at 402-471-4220 before proceeding with this CSW-NOI.

### Storm water Pollution Prevention Plan (SWPPP) Part III

a. Has a **Storm Water** Pollution Prevention Plan been developed for this project?

YES  NO

b. Has a qualified individual [Part III A] prepared the SWPPP?

YES  NO

### Has the following been incorporated into the SWPPP?

c. Site and activity descriptions as per Part III.B;

YES  NO

d. Sediment and pollution control measures and record keeping as per Part III.C;

YES  NO

e. **Erosion prevention** measures and record keeping as per Part III.C;

YES  NO

f. Inspections, maintenance of **BMPs** and associated record keeping as per Part III.E, I-J;

YES  NO

g. **Final stabilization** addressed as per Part III.M;

YES  NO

h. Does the SWPPP include documentation supporting a determination of permit eligibility with regards to endangered and threatened species and critical habitat? (Guidance is available on the NDEQ website: [www.deq.state.ne.us](http://www.deq.state.ne.us))

YES  NO

If any questions in **Storm Water Pollution Prevention Plan (SWPPP)**, "a - h" above, have been answered No, complete those requirements before proceeding with this CSW-NOI.

### A. Construction Site Description

a. **Project Name:** Paving Improvements in Country Meadows Neighborhood. (66th Street from Pine Lake Road to Highway 2) City Project 541028.

b. **Physical Address and County** (Indicate general location description if no address is available):

The project will remove existing pavement and replace with 7 inches of concrete in the Country Meadows Neighborhood. This area includes

66th St. from Pine Lake Rd. to Highway 2, Marcus Rd. east of 66th St., Almira Ln. east of 66th St. and Ann's Ct. south of Marcus Rd.

c. **Project Type:** Residential  Commercial/Industrial  Linear  Other

d. **Project Size:** Total Area (acres): 1.0 Area to be disturbed (acres): 1.0

e. **Identify surface waters within ½ mile of project boundary that will received storm water or discharge from permanent storm water management system.**

Stormwater Ditches from Country Meadows Neighborhood and Beal Slough.

f. **Name of Receiving Waters** (Add attachments if more than two (2) bodies of water and/or Outfalls): Beal Slough

**Waterbody Type** Stream (ditch, pond, stream, river etc.).

g. **Legal Description** <sup>(1)</sup>:            Quarter of the SE Quarter,  
of            Section 16, Township 9 N, Range 7E (E or W)

(1) Applicants may enter a legal description in terms other than those requested. For example: N1/2, Section 8, Township 8 N, Range 6 W.

h. Include a general location map with enough detail to identify the location of the construction site and waters of the state within one mile of the site. Has the map been included? **YES NO**  
(e.g., USGS 7.5 minute quad map, a portion of a city or county map, or equivalent map)

i. **SWPPP Designer, company, address and phone number:**

<u>Craig Aldridge</u>	<u>City of Lincoln Public Works &amp; Utilities - Engineering Services</u>
First and Last Name	Company Name
<u>949 W. Bond Street</u>	<u>Lincoln, NE 68521</u>
Mailing Address	City, State, Zip Code
<u>402-416-5349</u>	<u>caldrige@lincoln.ne.gov</u>
Phone Number	Email

j. **SWPPP Location:**

Country Meadows Neighborhood in the City of Lincoln, County of Lancaster, State of Nebraska, USA. 66th St. from Pine Lake Rd. to Highway 2.  
Marcus Rd. east of 66th St., Almira Ln. east of 66th St., Ann's Ct. south of Marcus Rd.

k. **Project start date** (approximate): May 1, 2015

l. **Project end date** (estimated): October 31, 2015

m. List any state or federally-listed threatened or endangered species, or state or federally-designated critical habitat that is in your project area to be covered by this permit.

n. For sites previously authorized under a Construction Storm Water (CSW) permit **and** undergoing a transfer of **owner and / or certifying official**. List the previous NPDES CSW Permit Number:  
NER 1           .

### C. Certification

The appropriate individuals must sign information submitted on this **CSW-NOI** form as required in **NPDES General Permit NER110000 Part VI.D.6**, and below or the application will not be authorized. If more than one certifying official, submit multiple copies of the following information.

All permit applications shall be signed as per Title 119, Chapter 13 *Applications; Signatories* as follows:

002.01 For a corporation. By a **Responsible Corporate Officer**, which means:

- A president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision making functions for the corporation, or
- The manager of one or more manufacturing, production, or operating facilities, provided the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.

002.02 For a partnership or sole proprietorship: By a general partner or proprietor, respectively.

002.03 For a municipality, State, Federal, or other public agency.

- By either a principal executive officer of the agency, or
- A senior executive officer having responsibility for the operations of a principal geographic unit of the agency.

Certifying Official:

*"I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations."*

Certifying Official / Date: Roger A Figard / 5 JAN 15

**Certifying Official, company name, address, and phone number:**

<u>Roger Figard</u>	<u>City of Lincoln Public Works &amp; Utilities - Engineering Services</u>
First and Last Name	Company Name/Applicant
<u>402-525-5620</u>	<u>City Engineer</u>
Phone Number	Title
<u>949 W. Bond Street</u>	<u>Lincoln, NE 68521</u>
Mailing Address	City, State, Zip Code

Certifying Official #2 (optional)/ Date: \_\_\_\_\_ / \_\_\_\_\_

**Certifying Official #2, company name, address, and phone number:**

_____	_____
First and Last Name	Company Name/Applicant
_____	_____
Phone Number	Title
_____	_____
Mailing Address	City, State, Zip Code

**Authorized Representative, company name, address, and phone number:**

<u>Craig Aldridge</u>	<u>City of Lincoln Public Works &amp; Utilities - Engineering Services</u>
First and Last Name	Company Name
<u>402-416-5349</u>	<u>Project Manager</u>
Phone Number	Title
<u>949 W. Bond Street</u>	<u>Lincoln, NE 68521</u>
Mailing Address	City, State, Zip Code

Submit this form to:

**Water Quality Division**  
**Storm Water**  
 Suite 400, The Atrium  
 1200 'N' Street  
 PO Box 98922  
 Lincoln NE 68509-8922



# Nebraska Department of Environmental Quality

## Construction Storm Water Notice of Transfer (CSW-Transfer)

*These prerequisite requirements must be completed prior to completing the CSW-TRANSFER form.*

### 1. Transfer Prerequisites:

- a. Has the current owner and/or permittee of the Construction Activity provided the new owner and/or permittee with a copy of the NPDES General Permit Number NER110000? YES NO
- b. Has the new owner and/or permittee been made aware that they must submit a Notice of Intent (CSW-NOI) to the Department and a copy of the CSW-NOI to the Municipality within whose jurisdiction they are located? (See Appendix B for a list of municipalities to whom this is relevant) YES NO
- c. Has the new owner and/or permittee been made aware of their responsibility to fulfill all requirements of the permit? YES NO
- d. Have all violations (if any) of this permit authorization been disclosed to the new owner and/or permittee? YES NO
- If "NO" has been answered to any of the above, fulfill these requirements before submitting the completed CSW-TRANSFER.*

### 2. Permit & Property Description for Transfer

- a. Construction Storm water General Permit Authorization Number site is currently operating under: NERI \_\_\_\_\_.
- b. Current Project Name (as submitted on the CSW-NOI):  
\_\_\_\_\_  
\_\_\_\_\_
- c. Transfer Portion Information - Identification of the transferred portion of the property (such as a single lot, lot size, lot number, utility right of way, easement, etc.):  
\_\_\_\_\_  
\_\_\_\_\_
- d. Property Transfer Size: Total Acres \_\_\_\_\_; Acres remaining after transfer: \_\_\_\_\_
- e. Current Applicant Name: \_\_\_\_\_  
Certifying Official Name: \_\_\_\_\_  
*(These must be the same as on the original CSW-NOI listed in 2.a, b above)*
- f. Mailing Address: \_\_\_\_\_  
\_\_\_\_\_  
Telephone Number: (\_\_\_\_) \_\_\_\_\_ (optional) E-Mail: \_\_\_\_\_
- g. Effective Date of Property Transfer: \_\_\_\_\_

## 3. New Information for Portion of Site Transferred

The Certifying Official shall provide the **Department** and the Municipality within which they operate copies of this form with the following Project Information:

- a. New Project Name: \_\_\_\_\_
- b. New Owner and/or Permittee Information:
- 1) Company Name: \_\_\_\_\_
  - 2) Certifying Official Name \_\_\_\_\_
  - 3) Certifying Official's Title \_\_\_\_\_
  - 4) Mailing Address \_\_\_\_\_
  - \_\_\_\_\_
  - 5) Telephone Number: (\_\_\_\_) \_\_\_\_\_, E-Mail \_\_\_\_\_ (optional)
- c. Signatures:

For an permittee transferring authorization of any portion of the Construction Activity to a new permittee:

- 1) Current Certifying Official / Date: \_\_\_\_\_ / \_\_\_\_\_
- 2) New Certifying Official / Date: \_\_\_\_\_ / \_\_\_\_\_

*I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.*

Submit this form to:

**Water Quality Division**  
**Storm Water**  
 Suite 400, The Atrium  
 1200 'N' Street  
 PO Box 98922  
 Lincoln NE 68509-8922

Both parties must keep copies of this form. The party from whom the authorization is transferred must submit the original *CSW-TRANSFER* to the **Department** and the Municipality within which the construction project is located (see *Appendix B* for a list of municipalities). Also give the new holder of the authorization a copy of the *CSW-TRANSFER*.



PUBLIC WORKS & UTILITIES DEPARTMENT  
Watershed Management  
555 South 10th Street Suite 203 Lincoln, NE 68508  
lincoln.ne.gov

January 12, 2015

City of Lincoln Engineering Services  
Attn: Craig Aldridge  
949 West Bond Street, Suite 200  
Lincoln, NE 68521

RE: **NPDES Permit Authorization for the Country Meadows Neighborhood Project No. 541028** proposed land disturbance, located at **66<sup>th</sup> Street & Pine Lake Road** in Lincoln, Nebraska. (SWPPP Approval Number: NOI 150002)

Dear Mr. Aldridge:

This is to acknowledge receipt of the Stormwater Pollution Prevention Plan (SWPPP) for the above project. This project has approval to stabilize specified disturbed areas in conformance with the SWPPP and authorizes discharge for stormwater from a construction site greater than one (1) acre of land disturbance.

Submission of this SWPPP fulfills the notification requirements set forth in the City of Lincoln Ordinances and Design Standards, and the NPDES General permit for Storm Water Discharges from Construction Sites (NPDES Permit NER 110000).

**The conditions on a construction project can change daily: your SWPPP is a dynamic plan and may have to be adapted to the current conditions on the project to be in compliance.**

Once the project is complete and the disturbed area stabilized, send in a Notice of Termination (NOT) to close the project out.

If you have any questions, please feel free to call our office at 402-441-7589.

Sincerely,

A handwritten signature in black ink that reads "Ben Higgins".

Ben Higgins, Senior Engineer  
Watershed Management Division  
Public Works & Utilities  
bhiggins@lincoln.ne.gov

cc: Richard Burton, Building & Safety Department  
Wendy Wulf, Nebraska Department of Environmental Quality  
Roger Figard, Engineering Services  
Ben Higgins, Watershed Management  
Terry Ullsperger, Watershed Management



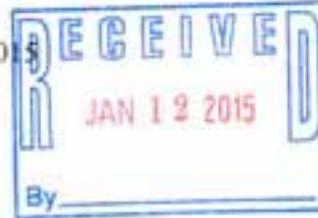
STATE OF NEBRASKA

Pete Ricketts  
Governor

DEPARTMENT OF ENVIRONMENTAL QUALITY  
Patrick W. Rice

Acting Director  
Suite 400, The Atrium  
1200 N Street  
P.O. Box 98922  
Lincoln, Nebraska 68509-8922  
Phone: (402) 471-2186  
FAX: (402) 471-2909  
website: <http://deq.ne.gov>

January 9, 2015



Mr. Roger Figard  
City of Lincoln Public Works & Utilities- Engineering Services  
949 West Bond Street  
Lincoln, NE 68521

RE: **Issuance of storm water discharge authorization for the Paving Improvements in Country Madows Neighborhood (66th Street from Pine Lake Road to Highway 2) construction project located on 66th Street from Pine Lake Road to Highway 2, Marcus Road east of 66th Street, Almira Lane east of 66th Street and ann's Court south of Marcus Road, Lincoln, in Lancaster County, NE (NPDES Authorization Number NER114866)**

Dear Mr. Figard:

This is to acknowledge receipt of the CSW-NOI form on January 7, 2015 for the project referenced above. This project has authorization to discharge storm water under the terms and conditions of NPDES General Permit NER110000.

When final stabilization (Part III.M) of the permit) has been completed, submit a written notice of the termination for the project as required in Part V of the permit. The enclosed CSW-NOT form is to be used for this purpose.

Questions concerning the SWPPP review and approval and the regulations governing this review and approval process should be directed to Gary Lacy with the City of Lincoln Watershed Management Division at (402) 430-9716 or go to [lincoln.ne.gov](http://lincoln.ne.gov) and reference keyword "mud".

If you have any questions concerning this NPDES storm water discharge authorization, please contact our office at (402)471-4239.

Sincerely,

*Wendy Wulf*  
Wendy Wulf  
Water Quality Division

Enclosures: CSW-NOT form

Copy w encl: Mr. Craig Aldrige  
City of Lincoln Public Works & Utilities- Engineering Services  
949 West Bond Street  
Lincoln, NE 68521

## NOTICE of STARTUP OF CONSTRUCTION ACTIVITY

Three copies of the Notice of Startup of Construction Activity must be completed for the SWPPP specifications prior to the commencement of construction activities that disturb site soil. One copy shall be forwarded to the City of Lincoln, Attention: Craig Aldridge, and one copy shall be sent to each of the following addresses:

**Nebraska Department of Environmental Quality  
Water Quality Division – Storm Quality  
1200 "N" Street, Suite 400  
PO Pox 98922  
Lincoln, Nebraska 68509  
(402) 471-2186 FAX (402) 471-2909**



## City of Lincoln - Engineering Services

### SECTION 02

#### SWPPP NARRATIVE

City Paving Project 541028 – Country Meadows Neighborhood

949 West Bond St., Ste. 200 • 441-7711/441-6576 (fax)  
[www.lincoln.ne.gov](http://www.lincoln.ne.gov)

## I SUMMARY OF PERMIT AND PROGRAM REQUIREMENTS

The Storm Water Pollution Prevention Plan (SWPPP) includes, but is not limited to the Erosion and Sediment Control Plan included in the Construction Drawings with the Detail Sheet, the Notice of Intent, Transfer forms, Permit Authorization, General Permit, Notice of Termination, all records of inspections and activities which are created during the course of the project, and other documents as may be included by reference to this SWPPP. Changes, modifications, revisions, additions, or deletions shall become part of this SWPPP as they occur.

Note: The General Contractor must complete the Contact List included in Section 4 and maintain the list in the SWPPP Binder until the storm water permit is terminated.

Note: The General Contractor (GC) must certify this SWPPP by signing the GC SWPPP certification letter included in Section 4. All signed certifications must be kept in the jobsite SWPPP Binder and be available for inspection on the construction site. Signed documents including permits, certifications and qualification forms cannot be modified or revised in the field.

The General Contractor and all subcontractors involved with a construction activity that disturbs site soils or who implement a pollutant control measure identified in the SWPPP, or otherwise required, must comply with the following requirements of the National Pollutant Discharge Elimination System (NPDES) General Permit ("General Permit"), Department of Environmental Quality (DEQ), and any local governing agency having jurisdiction concerning NPDES, storm water, erosion and sediment control:

### A. Off-Site Permits

Note: For purposes of this SWPPP and associated storm water permit, 'off-site' is defined as any and all areas beyond the project permitted limits of disturbance.

Any areas outside the limits of disturbance acquired for use by the General Contractor or a subcontractor of the General Contractor must be managed in accordance with Section V. D. of this specification.

Off-Site storm water permits are not part of this project.

### B. Public Posting (Including SWPPP Information Sign)

Install the SWPPP information Sign and have Site Maps and Details Sheets on the project site readily available upon request. The following information must be posted near the construction exit in a prominent place for public viewing until termination of permit coverage has been obtained by filing the Notice of Termination (NOT): 1) Notice of Intent; 2) Permit Authorization; 3)

Construction Site Notice (found in Section 10); and 4) The location of the SWPPP on site. Reference the Entrance Sign (SWPPP Information Sign) detail for proper posting of documents.

**C. Retention of Records**

A complete copy of the SWPPP, including copies of all inspection reports, plan revisions, etc., must be retained at the project site at all times during the duration of the project (until NOT is filed) and kept in the permanent project records of the General Contractor for at least three years following submission of the Notice of Termination (NOT).

**D. Contractor/Sub-Contractor List**

The General Contractor must provide names and addresses of all subcontractors working on this project who will be involved with the major construction activities that disturb site soil or otherwise affect BMP implementation. This information must be kept with the SWPPP.

**E. Contractor/Sub-Contractor Certification Form**

The General Contractor and all contractors and/or subcontractors that will implement, maintain and/or impact the pollution control measures in the SWPPP and/or are involved in ground-disturbing activities on the site must sign a copy of the Contractor certification included in Section 4. An authorized representative from each company on the construction project must sign this form certifying that company representatives understand the General Permit authorizing storm water discharges during construction. This information must be kept in the SWPPP Binder.

**F. Inspections**

Inspection must be conducted per Section I of the NPDES Permit found in Section 6. The SWPPP, including the best management practices implemented on the jobsite, shall be modified as needed to reduce or prevent pollutants from discharging from the site. Modifications to BMPs that change a hydraulic design component (diversions, basins, etc.) must first be approved by The City of Lincoln's Engineer.

The inspector must be a person familiar with the site, the nature of the major construction activities, and qualified to evaluate both overall system performance and individual component performance. The inspector must either be someone empowered to implement BMPs in order to increase effectiveness to an acceptable level or someone with the authority to cause such things to happen. Additionally, the inspector shall be properly authorized in accordance with the applicable General Permit to conduct the certified site storm water inspections.

#### **G. SWPPP Updates and Amendments**

The General Contractor must update the SWPPP and Site Maps bi-weekly to reflect the progress of construction activities and general changes to the project site. SWPPP contact and contractor information and the record of site stabilizations activities log must be maintained by the General Contractor throughout the project.

BMPs that do not impact the hydraulic design of the site may be modified or added by the General Contractor, and site maps updated accordingly, as needs arise. Examples of BMPs that do not typically impact the hydraulic design of the site include silt fence, silt dike, wattles, construction exit and various forms of temporary and permanent erosion controls (blankets, nets, seed, sod, etc.). Examples of BMPs that commonly impact hydraulic design include storm water basins, diversions, check dams, inlet protection or any product, process or system that changes the storm water flow path or storm water storage capacity of the site or is located in an area of concentrated flow.

The General Contractor must submit a request for information (RFI) to The City of Lincoln's Engineer and obtain written approval before modifying or adding sediment controls that may impact the hydraulic design of the site.

Substitution of any erosion or sediment control BMPs beyond those specified in the SWPPP must first be approved in writing by The City of Lincoln's Engineer. Substitutions are typically only approved if specified materials are not available or there is a valid reason the specified BMP will not work.

Amending the SWPPP does not mean that it has to be reprinted. It is acceptable to add addenda, sketches, new sections, details, and/or revised drawings that are initiated and dated.

#### **H. Discharge of Petroleum Products of Hazardous Substances**

Discharge of petroleum products or other hazardous substances into storm water or the storm water (storm sewer) system is subject to reporting and clean up requirements. See Section V.C.8. of this SWPPP for state and local information on reporting spills. Refer to the General Permit for additional information. A copy of the spill form is located in Section 7 and the General Permit is located in Section 12.

#### **I. Notice of Termination**

Once the site reaches final stabilization with all permanent erosion and sedimentation controls installed, all temporary erosion and sedimentation controls removed, and construction complete the Construction manager will contact The City of Lincoln's Engineer to complete a site inspection and report.

Upon approval by the Construction Manger, The City of Lincoln's Engineer, and General Contractor, as applicable, must complete and submit an NOT. A copy of the NOT is included in this SWPPP package.

NOTE: Stabilization requirements include all areas covered by applicable permits, including out lots and utility easements, unless The City of Lincoln and/or Operator have submitted an NOI(s) to the applicable agency and a copy of the NOI(s) has been put in the SWPPP Binder.

**J. General Contractors Responsibility**

The SWPPP intends to control water-borne and liquid pollutant discharges by some combination of interception, sedimentation, filtration, and containment. The General Contractor and subcontractors implementing this SWPPP must remain alert to the need to periodically refine and update the SWPPP in order to accomplish the intended goals. The General Contractor is ultimately responsible for all site conditions and permits compliance.

**K. Log of Construction Activity**

A record of dates must be maintained when:

- Major ground-disturbing activities including earthwork or grubbing occur;
- Construction activities temporarily or permanently cease on a portion of the site;
- Stabilization measures are initiated or completed; and
- BMPs are installed or permanently removed.

This log must be maintained in the SWPPP until the NOT is filed.

A Record of Stabilization and Construction Activity Dates (Stabilization) log for documenting such activities is included in Section 9. The General Contractor shall complete, at a minimum, 1-page of Stabilization log entries for each month of active construction.

Controls must be in place down gradient of any ground-disturbing activities prior to the commencement of grading construction activities and noted on the Site Maps and the Stabilization log. Site Map and Stabilization log comments and entries must complement one another with greater detail provided in the Stabilization log, as needed.

**L. Agency Storm Water Inspections**

The General Contractor must walk the site with the regulatory inspector and document any deficiencies noted during the inspection. Deficiencies of any type identified during the regulatory inspection, must be noted on the bi-weekly report as a deficiency and resolved within 24 or 48-hours, as appropriate. A second report must be submitted if the agency inspection occurs after the first bi-weekly report was submitted and the inspector identifies any deficiencies.

The General Contractor must call the City of Lincoln's Engineer to report the agency inspection immediately, but no later than one hour after the inspector has left the jobsite. All storm water or erosion and sediment (E&S) agency visits to the jobsite, whether an official inspection occurred or not, must be reported to the City of Lincoln's Engineer. Any agency inspector, including OSHA and utility inspectors, that comment on storm water BMPs (inlet protection, track out, etc.) must be reported to the City of Lincoln's Engineer.

A log of all inspections by Federal, State, or local storm water or other environmental agencies shall be kept in the General Contractor SWPPP Binder. The log form can be found in Section 11 and must include the date and time of the visit and whether a report was issued or will be issued as a result of the inspection.

## **II. INTRODUCTION**

This SWPPP, including the applicable General Permit, includes the elements necessary to comply with the General Permit for construction activities administered by the U.S. Environmental Protection Agency (EPA) under the National Pollutant Discharge Elimination System (NPDES) program and all local governing agency requirements. This SWPPP must be implemented at the start of construction.

Construction phase pollutant sources anticipated at the site are disturbed (bare) soil, vehicle fuels and lubricants, chemicals and coatings associated with site or building construction and pavement installation, construction generated litter and debris, and building materials. Without adequate control there is a potential for each type of pollutant to be transported by storm water.

Project construction will consist primarily of bridge construction, storm sewer, water main and sanitary sewer construction along with the associated roadway reconstruction and site grading adjacent to the new bridge. The project will also include the necessary sodding/seeding, and construction/maintenance of the required site sediment and erosion control appurtenances to facilitate construction.

### **A. Purpose**

A major goal of pollution prevention efforts during project construction is to control soil and pollutants that originate on the site and prevent them from flowing to surface waters. The purpose of this SWPPP is to provide guidelines for achieving that goal. A successful pollution prevention program also relies upon careful inspection and adjustments during the construction process in order to enhance its effectiveness.

## B. Scope

The erosion and sediment control measures outline in this SWPPP must be implemented before construction begins on the site. The measures primarily address the impact of storm rainfall and runoff on areas of the ground surface disturbed during the construction process. In addition, there are recommendations for controlling other sources of pollution that could accompany the major construction activities. Applicability of this SWPPP will terminate when disturbed areas are stabilized, permanent erosion and sedimentation controls are installed, temporary erosion and sedimentation controls are removed, construction activities covered herein have ceased, and a completed Notice of Termination (NOT) is transmitted to the governing agency.

Forms which are necessary for implementing the SWPPP are included herein.

The General Permit for Storm Water Discharges Associated with Construction Activities prohibits most non-storm water discharges during the construction phase. Allowable non-storm water discharges that occur during construction on this project, which are covered by the General Permit, include:

1. Discharges from fire-fighting activities;
2. Fire hydrant flushings;
3. Waters used to wash vehicles where detergents are not used;
4. Water used to control dust in accordance with Subpart 3.4.G;
5. Potable water including uncontaminated water line flushings;
6. Routine external building wash down that does not use detergents;
7. Pavement wash waters where spills or leaks of toxic or hazardous materials have not occurred (unless all spilled material has been removed) and where detergents are not used;
8. Uncontaminated air conditioning or compressor condensate;
9. Uncontaminated ground water or spring water;
10. Foundation or footing drains where flows are not contaminated with process materials such as solvents;
11. Uncontaminated excavation dewatering;
12. Landscape irrigation.

Best Management Practices (BMPs) must be implemented for the above allowable foreseeable discharges for the duration of the permit. Each non-storm water discharge should be noted in the SWPPP and have proper erosion and sedimentation controls in place with the exception of discharges from fire fighting activities.

The techniques described in this SWPPP focus on providing control of pollutant discharges with practical approaches that utilize readily available expertise, material, and equipment.

The General Contractor shall construct the site development improvements while working under contract with the City of Lincoln.

### III. PROJECT DESCRIPTION

Described below are the major construction activities that are the subject of this SWPPP. Also included in the sequence are BMP installation activities that must take place prior to construction activities. **NOTE:** Down slope protective measures must always be in place before soil is disturbed. Activities are presented in the order (sequence) they are expected to be completed.

All activities and timeframes (beginning and ending dates) shall be noted on the Site Map and the "Record of Stabilization and Construction Activity Dates" form found in Section 9 of this SWPPP. The sequence of construction is as follows:

Note: Upon implementation and installation of the following areas: trailer, parking, lay down, porta-potty, wheel wash, concrete washout, mason's area, fuel and material storage containers, solid waste containers, etc., immediately denote them on the Site Maps and note any changes in location as they occur throughout the construction process. In addition, note any off-site areas where fill is imported from or soil is exported to on the Site Maps.

1. Install stabilized construction exit(s) as necessary at the site and SWPPP Information Sign.
2. Install silt fence(s) on the site (clear only those areas necessary to install silt fence).
3. Begin grubbing along the alignment that is necessary to accommodate utility construction.

**NOTE:** The General Contractor may complete construction-related activities concurrently only if all preceding BMPs have been completely installed. BMP-related steps in the above sequence are italicized for clarity.

The actual schedule for implementing pollutant control measures will be determined by project construction progress and recorded by the General Contractor on the Soil Erosion/Sedimentation Control Operation Time Schedule on the Erosion and Sedimentation Control plans (Site Maps). Down slope protective measures must always be in place before soil is disturbed.

## IV. SITE DESCRIPTION

### A. Project Description

This project will involve the construction of 1.25 miles of new concrete pavement in the Country Meadows Neighborhood. Specific streets involved in the construction will be 66<sup>th</sup> St. from Pine Lake Rd. to Nebraska Highway 2, Marcus Rd. east of 66<sup>th</sup> St., Almira Ln. east of 66<sup>th</sup> St. and Ann's Ct. south of Marcus Rd. The construction will include removal of existing asphalt pavement, grading, storm water rehabilitation, as well as erosion control items. The project area estimated to be disturbed is 1.0 acres. The purpose of the project is to improve the existing street surface which has deteriorated over time.

### B. Existing Site Conditions

The southern end of the project, near Pine Lake Rd. begins at an elevation of 1,284 feet above sea level. The elevation ascends to 1,307 near Highway 2. The site is within City Right-of-Way.

Vegetation within the existing ROW is primarily turf grass and smooth brome with areas of native grasses and landscaping present as well.

#### Adjacent Areas

The areas adjacent to and surrounding the project are mostly single-family dwelling lots. Units face towards and away from the project.

### C. Soils

Based on the USDA Web Soils Survey, ten soil mapping units are located within the project area:

- Kennebec silt loam, occasionally flooded
- Aksarben silty clay loam, 2 to 6 percent slopes
- Burchard clay loam, 6 to 11 percent slopes
- Judson silt loam, 2 to 6 percent slopes
- Otoe silty clay, 6 to 11 percent slopes, eroded
- Pawnee clay loam, 4 to 8 percent slopes, eroded
- Wymore silty clay loam, 3 to 6 percent slopes, eroded
- Nodaway silt loam, occasionally flooded
- Colo-Nodaway silty clay loams, frequently flooded
- Nodaway silt loam, channeled, frequently flooded

A copy of the web soils survey report can be found at the end of this narrative.

**E. Critical Areas**

Areas within the project area and outside the existing roadway are primarily vegetated. These areas are not likely to contribute to serious levels of erosion. Steep slopes exist along the channel. However, these slopes are heavily vegetated and are not likely to contribute to significant levels of erosion.

**F. Threatened and Endangered Species**

No state or federally listed threatened or endangered species were observed during a desk-top survey by City of Lincoln personnel on November 13, 2014. The area is semi-urbanized and the habitat consists of transportation right-of-way adjacent to single family residential dwellings. (See attached CSW-NOI).

**V. STORM WATER POLLUTION PREVENTION MEASURES AND CONTROLS**

A variety of storm water pollutant controls are recommended for this project. Some controls are intended to function temporarily and will be used as needed for pollutant control during the construction period. These include temporary sediment barriers and seeding. Permanent stabilization will be accomplished in all disturbed areas by covering the soil with vegetation.

**A. Potential Construction Site Storm Water Pollutants**

	Trade Name Material	Chemical/Physical Description <sup>(1)</sup>	Storm Water Pollutants <sup>(1)</sup>
X	Pesticides (insecticides, fungicides, herbicides, rodenticides)	Various colored to colorless liquid, powder, pellets, or grains	Chlorinated hydrocarbons, organophosphates, carbamates, arsenic
X	Fertilizer	Liquid or solid grains	Nitrogen, phosphorous
<input type="checkbox"/>	Plaster	White granules or powder	Calcium sulphate, calcium carbonate, sulfuric acid
<input type="checkbox"/>	Cleaning solvents	Colorless, blue, or yellow-green liquid	Perchloroethylene, methylene chloride, trichloroethylene, petroleum distillates
X	Asphalt	Black solid	Oil, petroleum distillates

X	Concrete	White solid	Limestone, sand
X	Glue, adhesives	White or yellow liquid	Polymers, epoxies
X	Paints	Various colored liquid	Metal oxides, Stoddard solvent, talc, calcium carbonate, arsenic
X	Curing compounds	Creamy white liquid	Naphtha
X	Wastewater from construction equipment washing	Water	Soil, oil & grease, solids
X	Sanitary wastes/sewage	Water, fecal matter	Bacteria, ammonia, nutrients
□	Wood preservatives	Clear amber or dark brown liquid	Stoddard solvent, petroleum distillates, arsenic, copper, chromium
X	Hydraulic oil/fluids	Brown oily petroleum hydrocarbon	Mineral oil
X	Gasoline	Colorless, pale brown or pink petroleum hydrocarbon	Benzene, ethyl benzene, toluene, xylene, MTBE
X	Diesel fuel	Clear, blue-green to yellow liquid	Petroleum distillate, oil & grease, naphthalene, xylenes
□	Kerosene	Pale yellow liquid petroleum hydrocarbon	Coal oil, petroleum distillates
X	Antifreeze/coolant	Clear green/yellow liquid	Ethylene glycol, propylene glycol, heavy metals (copper, lead, zinc)
X	Erosion	Solid Particles	Soil, sediment

(1) Data obtained from MSDSs when available

## B. Erosion and Sediment Controls

### 1. Minimization of Disturbed Areas

Minimizing the amount of disturbed soil on the construction site will decrease the amount of soil which erodes from the site, and it can decrease the amount of controls you have to construct to remove the sediment from the runoff.

Note to General Contractor: The City of Lincoln has authority to limit surface area of erodible earth material exposed by clearing and grubbing, excavation, borrow and embankment operations and to direct General Contractor to provide immediate permanent or temporary pollution control measures.

### 2. Soil Stabilization

The purpose of soil stabilization is to prevent soil from eroding and leaving the site. In the natural condition, soil is stabilized by native vegetation. The primary technique to be used at this project for stabilizing site soils will be to provide a protective cover of grass.

a.) **Permanent Sod** - the establishment of perennial vegetative cover on disturbed areas by placing sod. Its purpose is to reduce erosion and sediment yield from disturbed areas, to permanently stabilize disturbed areas in a manner that is economical, adaptable to site conditions, and allows selection of the most appropriate plant materials, to improve wildlife habitat and to enhance natural beauty. It may be used on disturbed areas where permanent, long-lived vegetative cover is needed to stabilize the soil and rough-graded areas which will not be brought to final grade for a year or more.

- i. **Approved varieties of sod include Rhizomatous Tall Fescue, Turf Type Tall Fescue, Bluegrass/Fescue Blend, Buffalo Grass (Legacy, Cody, Bowie, Bison, Texoka, Tatanka, Prestige, Top Gun) and Zoysia Grass**

Note to General Contractor: Sodding operations shall be performed between March 1<sup>st</sup> and June 15<sup>th</sup>, or between September 1<sup>st</sup> and October 15<sup>th</sup>.

### 3. Structural Controls

The purpose of the use of structural controls is to remove sediment from onsite runoff before it leaves the site. Structural controls may also be used to prevent runoff from offsite areas from flowing across disturbed areas. For this project, the primary way of accomplishing this will be through silt fence and storm sewer inlet protection.

a.) **Silt Fence** – A silt fence is a temporary sediment barrier consisting of a synthetic fabric stretched across and attached to supporting posts and entrenched or sliced in place. Silt fences can be used in the following applications:

- For intercepting and detaining small amounts of sediment from disturbed areas during construction operations in order to prevent sediment from leaving the construction site
  - For decreasing the velocity of sheet flows
  - In high-risk areas, such as those adjacent to streams, wetlands, reservoirs, lawns, etc.
  - In short lengths at the toe of fill where ground slopes toward the fill
  - Behind curb and gutter to prevent silting of the pavement.
- Prior to start of construction, silt fence placement should be designed by a qualified professional. Plans and specifications should be referred to by field personnel throughout the construction process

Use limitations include:

- If the size of the drainage areas is more than 1/4-acre per 100 feet of silt fence length, a different sediment and erosion control strategy should be investigated. The maximum gradient behind the barrier should be no more than 50% (2H:1V).
- Under no circumstances should silt fences be constructed in live streams or in swales or ditch lines where flows are likely to exceed 1 cubic foot per second.
- On steep slopes, care should be given to placing alignment of fence perpendicular to the general direction of the flow.

b.) **Storm Sewer Inlet Protection** - Storm drainage inlet protection is a sediment filter or an excavated impounding area around a storm drain drop inlet or curb inlet. Its purpose is to prevent sediment from entering storm drainage systems prior to permanent stabilization of the disturbed area. This practice shall be used where the drainage area to an inlet is disturbed, it is not possible to temporarily divert the storm drain outfall into a trapping device and watertight blocking of the inlets is not advisable. It is not to be used in place of sediment trapping devices. This may be used in conjunction with storm drain diversion to help prevent siltation of pipes installed with low slope angle. There are several specific types of storm drain inlet protection practices that vary according to their function, location, drainage area and availability of materials:

- Silt Fence Protection around inlets prior to paving.

- Storm Drain Inlet Protection after paving is completed and prior to sodding/seeding establishment.

Note to General Contractor: All inlet protection devices create ponding of storm water that can result in flooding or by-pass conditions.

### **C. Other Pollutant Controls**

This section includes the controls of pollutants other than sediment and additional requirements of the General Permit.

#### **1. Dust Control**

Construction traffic must enter and exit the site at the stabilized construction exit. The purpose is to trap dust and mud that would otherwise be carried off-site by construction traffic. Large areas of soil that are denuded of vegetation and have no protection from particles being picked up and carried by wind should be protected with a temporary cover or kept under control with water or other soil adhering products to limit wind transported particles exiting the site perimeter. Water trucks or other dust control agents will be used as needed during construction to reduce dust generated on the site. Dust control must be provided by the General Contractor to a degree that is in compliance with applicable local and state dust control regulations.

#### **2. Dewatering**

Verify discharges from dewatering activities are allowed non-storm water discharges under the General Permit. Obtain a dewatering permit according to the regulations, if discharges from dewatering activities are not allowed under the General Permit. Discharges from dewatering operations must be directed through an appropriate pollution prevention/treatment measure, such as a pump discharge filter bag, sediment trap or sediment basin prior to being discharged from the site. Under no circumstances are discharges from dewatering operations to be discharged directly into streams, rivers, lakes or other areas off-site. Likewise, discharges into storm sewer systems that do not drain to a suitable on-site treatment facility, such as a basin, are also prohibited. Discharges from dewatering operations must also be conducted in a manner sufficient to prevent erosion from the discharge runoff.

#### **3. Solid Waste Disposal**

No solid materials, including building materials, are allowed to be discharged from the site with storm water. All solid waste, including disposable materials incidental to the major construction activities, must be collected and placed in containers. The containers will be

emptied as necessary by a contract trash disposal service and hauled away from the site. Covers for the containers will be provided as necessary to meet state and local requirements. The location of solid waste receptacles shall be shown on the Site Maps.

Substances that have the potential for polluting surface and/or groundwater must be controlled by whatever means necessary in order to ensure that they do not discharge from the site. As an example, special care must be exercised during equipment fueling and servicing operations. If a spill occurs, it must be contained and disposed of so that it will not flow from the site or enter groundwater, even if this requires removal, treatment, and disposal of soil. In this regard, potentially polluting substances should be handled in a manner consistent with the impact they represent.

#### **4. Sanitary Facilities**

All personnel involved with construction activities must comply with state and local sanitary or septic system regulations. Temporary sanitary facilities will be provided at the site throughout the construction phase. They must be utilized by all construction personnel and will be serviced by a commercial operator. The location of sanitary facilities shall be shown on the Site Maps. Portable toilets must be securely anchored and are not allowed within 30' of inlets or permitted limit of disturbance or within 50' of a water of the State.

#### **5. Non-Storm Water Discharges**

Non-storm water components of site discharges must be clean water. Water used for construction which discharges from the site must originate from a public water supply or private well approved by the State Health Department. Water used for construction that does not originate from an approved public supply must not discharge from the site. It can be retained in the ponds until it infiltrates and evaporates. Other non-storm water discharges would include ground water. Only uncontaminated ground water can be discharged from the site, as allowed by and in accordance with applicable local ground water dewatering permits/regulations. When non-storm water is discharged from the site, it must be done in a manner such that it does not cause erosion of the soil during discharge.

Process water such as power washing and concrete cutting must be collected for treatment and disposal. It is not to be flushed into the site storm drain system.

#### **6. Concrete Waste from Concrete Ready-Mix Trucks**

Discharge of excess or waste concrete and/or wash water from concrete trucks will be allowed on the construction site, but only in specifically designated lined and diked areas prepared to prevent contact between the concrete and/or wash water and storm water that

will be discharged from the site. Alternatively, waste concrete can be placed into forms to make rip rap or other useful concrete products. The cured residue from the concrete washout diked areas shall be disposed in accordance with applicable state and federal regulations. The project construction manager is responsible for assuring that these procedures are followed. The location of concrete washout areas shall be shown on the Site Maps. Follow all applicable environmental regulations for concrete wash out pits.

#### **7. Mason's Area**

Contractor shall identify mason's area on the site and indicate location on the Site Map. To the extent practical, all masonry tools, material, including sand and sacked cement or mortar materials, and equipment shall be located within the area identified. Runoff control, such as berms or diversion ditches, silt fence, straw wattles, or other means of containment shall be provided to prevent the migration of storm water pollutants in runoff from the mason's area. Receptacles for debris and trash disposal shall also be provided.

#### **8. Fuel Tanks**

Temporary on-site fuel tanks for construction vehicles shall meet all state and federal regulations. Tanks shall have approved spill containment with the capacity required by the applicable regulations. From NFPA 30: All tanks shall be provided with secondary containment (i.e. containment external to and separate from primary containment). Secondary containment shall be constructed of materials of sufficient thickness, density, and composition so as not to be structurally weakened as a result of contact with the fuel stored and capable of containing discharged fuel for a period of time equal to or longer than the maximum anticipated time sufficient to allow recovery of discharged fuel. It shall be capable of containing 110% of the volume of the primary tank if a single tank is used, or in the case of multiple tanks, 150% of the largest tank or 10% of the aggregate, whichever is larger.

The tanks shall be in sound condition free of rust or other damage which might compromise containment. Fuel storage areas will meet all EPA, OSHA and other regulatory requirements for signage, fire extinguisher, etc. Hoses, valves, fittings, caps, filler nozzles, and associated hardware shall be maintained in proper working condition at all times. The location of fuel tanks shall be shown on the Site Maps and shall be located to minimize exposure to weather and surface water drainage features.

A Spill Prevention, Control and Countermeasure (SPCC) Plan must be developed if aboveground oil storage capacity at the construction site exceeds 1,320-gallons or as specified by state. Containers with a storage capacity of 55-gallons or less are not included when calculating site storage capacity. The General Contractor shall work with The City of

Lincoln's Engineer to develop and implement a SPCC Plan in accordance with the Oil Pollution Prevention regulation at Title 40 of the Code of Federal Regulations, Part 112, (40 CFR 112).

**9. Hazardous Material Management and Spill Reporting Plan**

Any hazardous or potentially hazardous material that is brought onto the construction site will be handled properly in order to reduce the potential for storm water pollution. All materials used on this construction site will be properly stored, handled, dispensed and disposed of following all applicable label directions. Flammable and combustible liquids will be stored and handled according to 29 CFR 1926.152. Only approved containers and portable tanks shall be used for storage and handling of flammable and combustible liquids.

Material Safety Data Sheets (MSDS) information will be kept on site for any and all applicable materials.

In the event of an accidental spill, immediate action will be undertaken by the General Contractor to contain and remove the spilled material. All hazardous materials will be disposed of by the Contractor in the manner specified by federal, state and local regulations and by the manufacturer of such products. As soon as possible, the spill will be reported to the appropriate agencies. As required under the provisions of the Clean Water Act, any spill or discharge entering waters of the United States will be properly reported. The General Contractor will prepare a written record of any spill of petroleum products or hazardous materials in excess of 1 gallon or reportable quantities, whichever is less. The General Contractor will provide notice to The City of Lincoln immediately upon identification of a reportable spill. A spill report form is located in Section 7.

Any spills of petroleum products or hazardous materials in excess of Reportable Quantities as defined by EPA or the state or local agency regulations, shall be immediately reported to the EPA National Response Center (1-800-424-8802) and NDEQ (1-877-253-2603).

The State reportable quantity for petroleum products is 25 gallons or more, per NDEQ Title 126, Ch. 18, 002.01B.

The reportable quantity for hazardous materials is equal to or greater than 100 pounds.

In order to minimize the potential for a spill of petroleum product or hazardous materials to come in contact with storm water, the following steps will be implemented:

- a) All materials with hazardous properties (such as pesticides, petroleum products, fertilizers, detergents, construction chemicals, acids, paints, paint solvents, additives

for soil stabilization, concrete, curing compounds and additives, etc.) will be stored in a secure location, under cover, when not in use.

- b) The minimum practical quantity of all such materials will be kept on the job site and scheduled for delivery as close to time of use as practical.
- c) A spill control and containment kit (containing for example, absorbent material such as kitty litter or sawdust, acid neutralizing agent, brooms, dust pans, mops, rags, gloves, goggles, plastic and metal trash containers, etc.) will be provided on the construction site and location(s) shown on Site Maps.
- d) All of the product in a container will be used before the container is disposed of. All such containers will be triple rinsed, with water prior to disposal. The rinse water used in these containers will be disposed of in a manner in compliance with state and federal regulations and will not be allowed to mix with storm water discharges.
- e) All products will be stored in and used from the original container with the original product label.
- f) All products will be used in strict compliance with instructions on the product label.
- g) The disposal of excess or used products will be in strict compliance with instructions on the products label.

#### **10. Long-Term Pollutant Controls**

Storm water pollutant control measures installed during construction that will also provide storm water management benefits after construction, vegetation.

All controls and systems must be installed & functioning as designed and free of accumulated sediment and debris during final project inspection and approval.

#### **D. "Best Management Practices" (BMPs)**

The City of Lincoln has authority to limit surface area of erodible earth material exposed by clearing and grubbing, excavation, borrow and embankment operations and to direct the General Contractor to install immediate permanent or temporary pollution control measures. During the construction phase, the General Contractor shall implement the following measures:

- 1) Materials resulting from the clearing and grubbing or excavation operations shall be stockpiled up-slope from adequate sedimentation controls. Ensure that materials removed to an off-site location shall be protected with appropriate controls and properly permitted and

otherwise comply with applicable laws, all in accordance with this SWPPP, including Section V.D. below.

- 2) The General Contractor shall designate areas on the Site Maps for equipment cleaning, maintenance, and repair. The General Contractor and subcontractors shall utilize such designated areas. Cleaning, maintenance, and repair areas shall be protected by a temporary perimeter berm, shall not occur within 150 feet of any waterway, water body or wetland, and in areas located as far as practical from storm sewer inlets.
- 3) Use of detergents for large-scale washing is prohibited (i.e. vehicles, buildings, pavement surfaces, etc.).
- 4) Chemicals, such as paints, solvents, fertilizers, and other toxic materials, must be stored in waterproof containers. Except during application, the containers and the contents must be kept in trucks or within storage facilities. Runoff containing such material must be collected, removed from the site, treated, and disposed of at an approved solid waste and chemical disposal facility.

**E. Material Storage, Borrow, or Disposal Areas Outside of Permitted Limits of Disturbance**

This section describes roles and responsibilities of the General Contractor in verifying and documenting that activities associated with site construction at material storage, borrow, or disposal areas outside of the Permitted Limits of Disturbance have obtained proper coverage under the NPDES program.

Definitions Applicable to this Section

Site - The location(s) described in this SWPPP and on the associated Site Maps at which the General Contractor has operational control.

Operational Control - Control over construction plans and specifications, including the ability to make modifications to those plans and specifications, or day-to-day operational control of those activities at the Site which are necessary to ensure compliance with the SWPPP.

Off-site — Any area outside the Limits of Disturbance as shown on the Site Maps in the SWPPP. This is not necessarily the same as the property ownership boundary.

Permitted Limits of Disturbance - Any area of the Site for which the operator(s) are authorized to disturb the ground surface or conduct construction-related activities (i.e. areas shown inside the Limits of Disturbance on the Site Maps in the SWPPP).

Material - Rock, soil, or other construction materials obtained as part of an earth disturbing activity.

#### **Responsibilities of the General Contractor**

When any material storage, borrow, or disposal will take place during construction outside of Permitted Limits of Disturbance the General Contractor must:

1. Verify that any proposed material storage, borrow, or disposal areas have obtained proper coverage under the NPDES program. This shall include obtaining copies of signed and submitted NPDES Notices of Intent or applications, Storm Water Discharge Authorizations, or other documentation necessary to verify compliance with the NPDES program (e.g., documentation from local qualified programs, MS4s, Soil Conservation District permits, etc.)
2. The General Contractor shall complete and keep current the Off-Site Material box on the project site map and update the map and site stabilization log to indicate locations where, and dates when, storage, borrow, or disposal occur on the Site.
3. All documentation obtained as described in this section shall be retained in the SWPPP binder at the site and in accordance with the Retention of Records as described in Part I.D of Section 312513 of the City of Lincoln Standard Specifications.

#### **VI. LOCAL PLANS**

In addition to this SWPPP, construction activities associated with this project must comply with any guidelines set forth by local regulatory agencies. The General Contractor shall maintain documents evidencing such compliance in this SWPPP.

#### **VII. INSPECTIONS AND SYSTEM MAINTENANCE**

Between the times this SWPPP is implemented and final Notice of Termination has been submitted, all disturbed areas and pollutant controls must be inspected bi-weekly. The purpose of site inspections is to assess performance of pollutant controls. The inspections will be conducted by the General Contractor's project construction manager. Based on these inspections, the General Contractor will decide whether it is necessary to modify this SWPPP, add or relocate controls, or revise or implement additional Best management Practices in order to prevent pollutants from leaving the site via storm water runoff. The General Contractor has the duty to cause pollutant control measures to be repaired, modified, supplemented, or take additional steps as necessary in

order to achieve effective pollutant control. Note: If a BMP is covered by snow, mark the BMP as not applicable and document the reason the BMP cannot be inspected on the bi-weekly report. Examples of specific items to evaluate during site inspections are listed below. This list is not intended to be comprehensive. During each inspection, the inspector must evaluate overall pollutant control system performance as well as particular details of individual system components. Additional factors should be considered as appropriate to the circumstances.

**A. Construction Exit and Track Out**

Locations where vehicles enter and exit the site must be inspected for evidence of off-site sediment tracking. A stabilized construction exit shall be constructed where vehicles enter and exit. Exits shall be maintained or supplemented with additional rock as necessary to prevent the release of sediment from vehicles leaving the site. Any sediment deposited on the roadway shall be swept as necessary throughout the day or at the end of every day and disposed of in an appropriate manner. Sediment shall NOT be washed into storm sewer systems.

Note to Contractor: Track out is a sediment release (sediment from the construction site was allowed beyond the permitted limits of disturbance). All sediment releases must be reported to The City of Lincoln's Engineer. See Item H below for additional information.

**B. Erosion Control Devices**

Rolled erosion control products (nets, blankets, turf reinforcement mats) and marginally vegetated areas (areas not meeting required vegetative densities for final stabilization) must be inspected bi-weekly. Rilling, rutting and other signs of erosion indicate the erosion control device is not functioning properly and additional erosion control devices are warranted.

**C. Sediment Control Devices**

Sediment barriers, traps and basins must be inspected and they must be cleaned out at such time as their original capacity has been reduced by 50 percent. All material excavated from behind sediment barriers or in traps and basins shall be incorporated into on-site soils or spread out on an upland portion of the site and stabilized. To minimize the potential for sediment releases from the project site, perimeter control devices shall be inspected with consideration given to changing up-gradient conditions.

**D. Material Storage Areas**

Inspections shall evaluate disturbed areas and areas used for storing materials that are exposed to rainfall for evidence of, or the potential for, pollutants entering the drainage system or discharging from the site. If necessary, the materials must be covered or original covers must be repaired or supplemented. Also, protective berms must be constructed, if needed, in order to

contain runoff from material storage areas. All state and local regulations pertaining to material storage areas will be adhered to.

#### **E. Vegetation**

Consideration must be given to anticipated climate and seasonal conditions when specifying and planting seed. Seed shall be free of weedy species and appropriate for site soils and regional climate. Seed and mulch per the construction drawings and the 329000 Planting specification of the City of Lincoln Standard Specifications, immediately after topsoil is applied and final grade is reached. Grassed areas shall be inspected to confirm that a healthy stand of grass is maintained. The site has achieved final stabilization once all areas are covered with building foundation or pavement, or have a stand of grass with a minimum of 70 percent density or greater of natural background cover over the entire vegetated area in accordance with the General Permit requirements. Vegetated areas must be watered, fertilized, and reseeded as needed to achieve this requirement. The vegetative density must be maintained through project completion to be considered stabilized. Areas protected by erosion control blankets are not permanently stabilized until the applicable General Permit requirement for final vegetative density is achieved.

Rip-rap, mulch, gravel, decomposed granite or other equivalent permanent stabilization measures may be employed in lieu of vegetation based on site-specific conditions and governing authority approval.

#### **F. Discharge Points**

All discharge points must be inspected to determine whether erosion and sediment control measures are effective in preventing discharge of sediment from the site or impacts to receiving waters.

#### **G. Off-Site or Special Project Areas**

There are no special projects, beyond the permitted limits of disturbance, requiring inspection and maintenance associated with the construction project.

#### **H. Sediment Releases**

The bi-weekly inspection report must identify each and every time sediment is allowed beyond permitted limits of disturbance. This includes sediment that escapes or is allowed to leave via designed discharge points. Storm water that leaves the permitted limits of disturbance and is discolored contains soil particles (sediment) and must be treated as a sediment release.

The bi-weekly Inspection Report Form (Section 6) must identify all deficiencies, any corrections, whether they are identified during the current inspection or have occurred since the previous

inspection, and any additional comments. Based on inspection results, any modification necessary to increase effectiveness of this SWPPP to an acceptable level must be made immediately but no longer than within 48 hours of the inspection. The inspection reports must be complete and additional information should be included if needed to fully describe a situation. An important aspect of the inspection report is the description of additional measures that need to be taken to enhance plan effectiveness. The inspection report must identify whether the site was in compliance with the SWPPP at the time of inspection and specifically identify all incidents of non-compliance.

Inspection reports must include an original, authorized signature and date of the inspection. Inspection reports must be retained by the General Contractor as an integral part of this SWPPP for at least three years from the date of submission of the Notice of Termination of permit coverage.

Ultimately, it is the responsibility of the General Contractor to assure the adequacy of site pollutant discharge controls. Actual physical site conditions or contractor practices could make it necessary to install more structural controls than are shown on the plans. For example, localized concentrations of runoff could make it necessary to install additional sediment barriers. Assessing the need for additional controls and implementing them or adjusting existing controls will be a continuing aspect of this SWPPP until the site achieves final stabilization. Any modifications, additions or deletions of sediment control devices that may alter the hydraulic design of the site or are located in areas of potential high flow (basins, traps, check dams, diversions, etc.) must be approved by The City of Lincoln's Engineer through the request for information process (RFI).



United States  
Department of  
Agriculture

**NRCS**

Natural  
Resources  
Conservation  
Service

A product of the National  
Cooperative Soil Survey,  
a joint effort of the United  
States Department of  
Agriculture and other  
Federal agencies, State  
agencies including the  
Agricultural Experiment  
Stations, and local  
participants

# Custom Soil Resource Report for **Lancaster County, Nebraska**



November 13, 2014

# Preface

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Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (<http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/>) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (<http://offices.sc.egov.usda.gov/locator/app?agency=nrcs>) or your NRCS State Soil Scientist ([http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2\\_053951](http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951)).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

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# Contents

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<b>Preface</b> .....	2
<b>How Soil Surveys Are Made</b> .....	5
<b>Soil Map</b> .....	7
Soil Map.....	8
Legend.....	9
Map Unit Legend.....	10
Map Unit Descriptions.....	10
Lancaster County, Nebraska.....	12
7050—Kennebec silt loam, occasionally flooded.....	12
7206—Aksarben silty clay loam, 2 to 6 percent slopes.....	13
7227—Burchard clay loam, 6 to 11 percent slopes.....	15
7231—Judson silt loam, 2 to 6 percent slopes.....	16
7466—Otoe silty clay, 6 to 11 percent slopes, eroded.....	17
7501—Pawnee clay loam, 4 to 8 percent slopes, eroded.....	18
7684—Wymore silty clay loam, 3 to 6 percent slopes, eroded.....	20
7750—Nodaway silt loam, occasionally flooded.....	21
7774—Colo-Nodaway silty clay loams, frequently flooded.....	22
7867—Nodaway silt loam, channeled, frequently flooded.....	24
<b>References</b> .....	26

# How Soil Surveys Are Made

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Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil scientists classified and named the soils in the survey area, they compared the

## Custom Soil Resource Report

individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

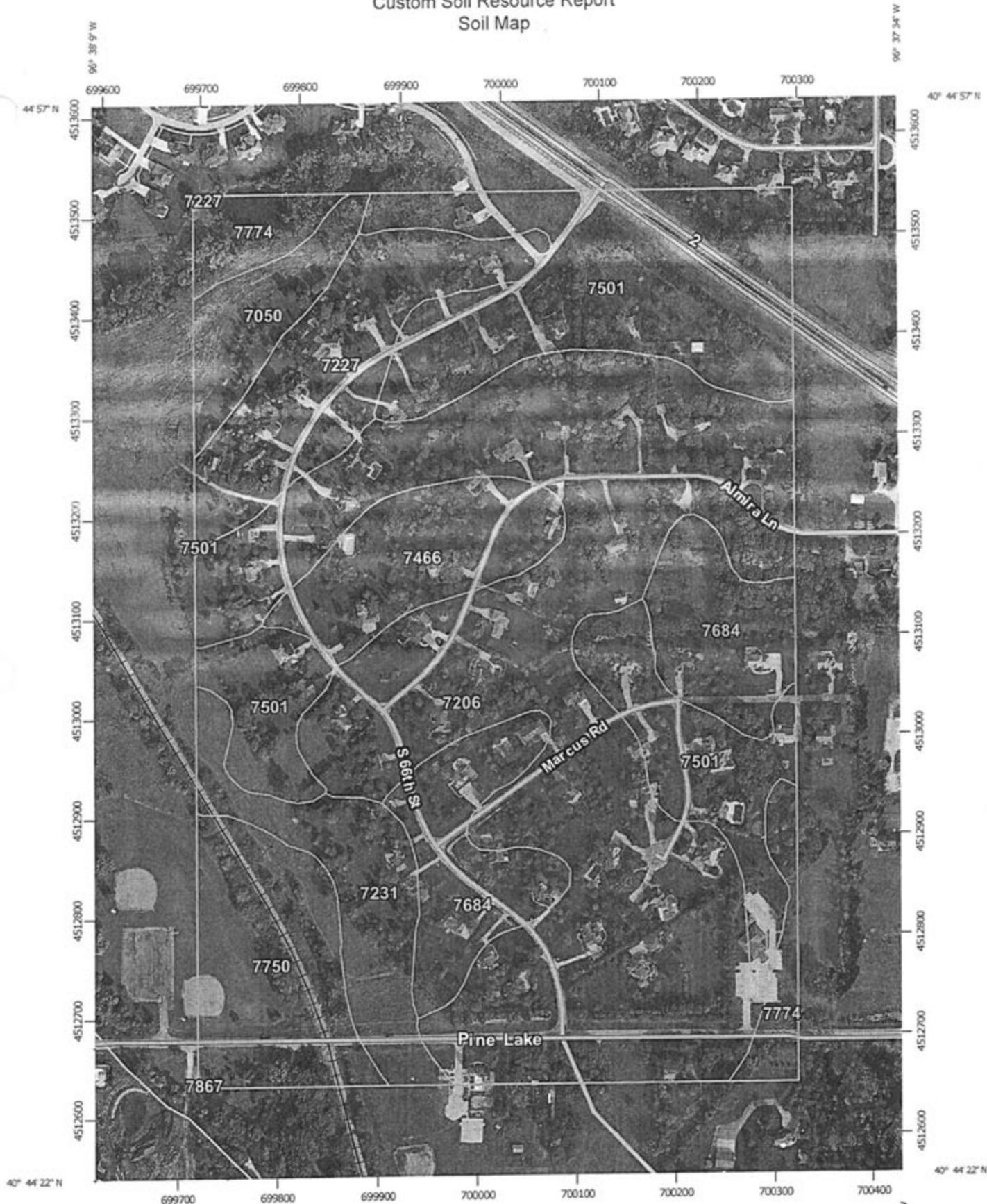
After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

## Soil Map

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The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

# Custom Soil Resource Report Soil Map



Map Scale: 1:5,230 if printed on A portrait (8.5" x 11") sheet.

0 50 100 200 300 Meters

0 250 500 1000 1500 Feet

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 14N WGS84

### MAP LEGEND

<b>Area of Interest (AOI)</b>		 Spoil Area	
 Area of Interest (AOI)		 Stony Spot	
<b>Soils</b>		 Very Stony Spot	
 Soil Map Unit Polygons		 Wet Spot	
 Soil Map Unit Lines		 Other	
 Soil Map Unit Points		 Special Line Features	
<b>Special Point Features</b>		<b>Water Features</b>	
 Blowout		 Streams and Canals	
 Borrow Pit		<b>Transportation</b>	
 Clay Spot		 Rails	
 Closed Depression		 Interstate Highways	
 Gravel Pit		 US Routes	
 Gravelly Spot		 Major Roads	
 Landfill		 Local Roads	
 Lava Flow		<b>Background</b>	
 Marsh or swamp		 Aerial Photography	
 Mine or Quarry			
 Miscellaneous Water			
 Perennial Water			
 Rock Outcrop			
 Saline Spot			
 Sandy Spot			
 Severely Eroded Spot			
 Sinkhole			
 Slide or Slip			
 Sodic Spot			

### MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

**Warning:** Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service  
 Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>  
 Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Lancaster County, Nebraska  
 Survey Area Data: Version 19, Sep 2, 2014

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jul 26, 2013—Oct 26, 2013

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

## Map Unit Legend

Lancaster County, Nebraska (NE109)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
7050	Kennebec silt loam, occasionally flooded	4.1	3.1%
7206	Aksarben silty clay loam, 2 to 6 percent slopes	50.9	38.1%
7227	Burchard clay loam, 6 to 11 percent slopes	9.8	7.3%
7231	Judson silt loam, 2 to 6 percent slopes	7.2	5.4%
7466	Otoe silty clay, 6 to 11 percent slopes, eroded	7.2	5.4%
7501	Pawnee clay loam, 4 to 8 percent slopes, eroded	27.9	20.9%
7684	Wymore silty clay loam, 3 to 6 percent slopes, eroded	12.5	9.4%
7750	Nodaway silt loam, occasionally flooded	9.4	7.0%
7774	Colo-Nodaway silty clay loams, frequently flooded	4.5	3.4%
7867	Nodaway silt loam, channeled, frequently flooded	0.0	0.0%
<b>Totals for Area of Interest</b>		<b>133.5</b>	<b>100.0%</b>

## Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties

and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

## Lancaster County, Nebraska

### 7050—Kennebec silt loam, occasionally flooded

#### Map Unit Setting

*National map unit symbol:* 2lpr  
*Elevation:* 730 to 1,700 feet  
*Mean annual precipitation:* 29 to 39 inches  
*Mean annual air temperature:* 52 to 55 degrees F  
*Frost-free period:* 159 to 203 days  
*Farmland classification:* All areas are prime farmland

#### Map Unit Composition

*Kennebec and similar soils:* 85 percent  
*Minor components:* 15 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Kennebec

##### Setting

*Landform:* Flood plains  
*Landform position (three-dimensional):* Tread  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Parent material:* Alluvium

##### Typical profile

*Ap - 0 to 8 inches:* silt loam  
*A - 8 to 41 inches:* silt loam  
*AC - 41 to 54 inches:* silty clay loam  
*C - 54 to 79 inches:* silty clay loam

##### Properties and qualities

*Slope:* 0 to 1 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Moderately well drained  
*Capacity of the most limiting layer to transmit water (Ksat):* Moderately high (0.20 to 0.60 in/hr)  
*Depth to water table:* About 40 to 44 inches  
*Frequency of flooding:* Occasional  
*Frequency of ponding:* None  
*Available water storage in profile:* Very high (about 14.7 inches)

##### Interpretive groups

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 2w  
*Hydrologic Soil Group:* C  
*Ecological site:* Loamy lowland (pe 30-37) (R106XY013KS)  
*Other vegetative classification:* Overflow (G106XY500NE)

#### Minor Components

##### Muscotah

*Percent of map unit:* 5 percent  
*Landform:* Flood plains  
*Landform position (three-dimensional):* Tread

## Custom Soil Resource Report

*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Ecological site:* Loamy lowland (pe 30-37) (R106XY013KS)  
*Other vegetative classification:* Clayey Subsoil (G106XY210NE)

### Reading

*Percent of map unit:* 3 percent  
*Landform:* Terraces  
*Landform position (three-dimensional):* Tread  
*Down-slope shape:* Convex  
*Across-slope shape:* Convex  
*Ecological site:* Loamy lowland (pe 30-37) (R106XY013KS)  
*Other vegetative classification:* Loam (G106XY100NE)

### Wabash

*Percent of map unit:* 3 percent  
*Landform:* Flood plains  
*Landform position (three-dimensional):* Tread  
*Down-slope shape:* Concave  
*Across-slope shape:* Concave  
*Ecological site:* Clay lowland (pe 30-37) (R106XY004KS)  
*Other vegetative classification:* Clayey Bottomland (G106XY295NE)

### Colo

*Percent of map unit:* 2 percent  
*Landform:* Flood plains on river valleys  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Ecological site:* Subirrigated (pe 30-37) (R106XY032KS)  
*Other vegetative classification:* Wet (G106XY900NE)

### Olmitz

*Percent of map unit:* 2 percent  
*Landform:* Hillslopes  
*Landform position (two-dimensional):* Footslope  
*Landform position (three-dimensional):* Base slope  
*Down-slope shape:* Concave  
*Across-slope shape:* Linear  
*Ecological site:* Loamy upland (pe 30-37) (R106XY015KS)  
*Other vegetative classification:* Loam (G106XY100NE)

## 7206—Aksarben silty clay loam, 2 to 6 percent slopes

### Map Unit Setting

*National map unit symbol:* 2q4rt  
*Elevation:* 980 to 1,660 feet  
*Mean annual precipitation:* 28 to 39 inches  
*Mean annual air temperature:* 50 to 55 degrees F  
*Frost-free period:* 158 to 203 days  
*Farmland classification:* All areas are prime farmland

### Map Unit Composition

*Aksarben and similar soils:* 85 percent

*Minor components:* 15 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

### Description of Aksarben

#### Setting

*Landform:* Hillslopes

*Landform position (two-dimensional):* Summit

*Landform position (three-dimensional):* Interfluve

*Down-slope shape:* Linear, convex

*Across-slope shape:* Linear

*Parent material:* Loess

#### Typical profile

*Ap - 0 to 6 inches:* silty clay loam

*A - 6 to 12 inches:* silty clay loam

*Bt1 - 12 to 18 inches:* silty clay loam

*Bt2 - 18 to 45 inches:* silty clay loam

*BC - 45 to 54 inches:* silty clay loam

*C - 54 to 79 inches:* silty clay loam

#### Properties and qualities

*Slope:* 2 to 6 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Well drained

*Runoff class:* Medium

*Capacity of the most limiting layer to transmit water (Ksat):* Moderately low to moderately high (0.06 to 0.20 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Calcium carbonate, maximum in profile:* 2 percent

*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)

*Available water storage in profile:* High (about 9.8 inches)

#### Interpretive groups

*Land capability classification (irrigated):* 3e

*Land capability classification (nonirrigated):* 2e

*Hydrologic Soil Group:* C

*Ecological site:* Loamy upland (pe 30-37) (R106XY015KS)

*Other vegetative classification:* Loam (G106XY100NE)

### Minor Components

#### Pawnee

*Percent of map unit:* 5 percent

*Landform:* Hillslopes

*Landform position (two-dimensional):* Shoulder

*Landform position (three-dimensional):* Interfluve

*Down-slope shape:* Linear, convex

*Across-slope shape:* Linear

*Other vegetative classification:* Clayey Subsoil (G106XY210NE)

**Wymore**

*Percent of map unit:* 5 percent  
*Landform:* Hillslopes  
*Landform position (two-dimensional):* Summit  
*Landform position (three-dimensional):* Interfluve  
*Down-slope shape:* Convex, linear  
*Across-slope shape:* Linear  
*Other vegetative classification:* Clayey Subsoil (G106XY210NE)

**Shelby**

*Percent of map unit:* 5 percent  
*Landform:* Hillslopes  
*Landform position (two-dimensional):* Shoulder  
*Landform position (three-dimensional):* Interfluve  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Other vegetative classification:* Loam (G106XY100NE)

**7227—Burchard clay loam, 6 to 11 percent slopes**

**Map Unit Setting**

*National map unit symbol:* 1trzf  
*Elevation:* 1,000 to 1,500 feet  
*Mean annual precipitation:* 30 to 32 inches  
*Mean annual air temperature:* 52 to 55 degrees F  
*Frost-free period:* 160 to 180 days  
*Farmland classification:* Farmland of statewide importance

**Map Unit Composition**

*Burchard and similar soils:* 100 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

**Description of Burchard**

**Setting**

*Landform:* Hillslopes  
*Down-slope shape:* Convex, concave  
*Across-slope shape:* Linear  
*Parent material:* Calcareous till

**Typical profile**

*H1 - 0 to 8 inches:* clay loam  
*H2 - 8 to 33 inches:* clay loam  
*H3 - 33 to 60 inches:* clay loam

**Properties and qualities**

*Slope:* 6 to 11 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Well drained  
*Runoff class:* High

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*Capacity of the most limiting layer to transmit water (Ksat):* Moderately high (0.20 to 0.60 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Calcium carbonate, maximum in profile:* 10 percent  
*Available water storage in profile:* High (about 10.4 inches)

### Interpretive groups

*Land capability classification (irrigated):* 4e  
*Land capability classification (nonirrigated):* 3e  
*Hydrologic Soil Group:* C  
*Ecological site:* Loamy upland (R106XY075NE)  
*Other vegetative classification:* Loam (G106XY100NE)

## 7231—Judson silt loam, 2 to 6 percent slopes

### Map Unit Setting

*National map unit symbol:* 1ts00  
*Elevation:* 1,000 to 1,500 feet  
*Mean annual precipitation:* 30 to 32 inches  
*Mean annual air temperature:* 52 to 55 degrees F  
*Frost-free period:* 160 to 180 days  
*Farmland classification:* All areas are prime farmland

### Map Unit Composition

*Judson and similar soils:* 99 percent  
*Minor components:* 1 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

### Description of Judson

#### Setting

*Landform:* Drainageways  
*Down-slope shape:* Concave  
*Across-slope shape:* Linear  
*Parent material:* Fine-silty colluvium

#### Typical profile

*H1 - 0 to 29 inches:* silt loam  
*H2 - 29 to 60 inches:* silty clay loam

#### Properties and qualities

*Slope:* 2 to 6 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Well drained  
*Runoff class:* Low  
*Capacity of the most limiting layer to transmit water (Ksat):* Moderately high (0.20 to 0.60 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None

## Custom Soil Resource Report

*Available water storage in profile:* Very high (about 12.2 inches)

### Interpretive groups

*Land capability classification (irrigated):* 3e  
*Land capability classification (nonirrigated):* 2e  
*Hydrologic Soil Group:* C  
*Ecological site:* Loamy upland (R106XY075NE)  
*Other vegetative classification:* Loam (G106XY100NE)

### Minor Components

#### Flooded soils

*Percent of map unit:* 1 percent  
*Landform:* Flood plains  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear

## 7466—Otoe silty clay, 6 to 11 percent slopes, eroded

### Map Unit Setting

*National map unit symbol:* 1ts1h  
*Elevation:* 1,000 to 1,500 feet  
*Mean annual precipitation:* 30 to 32 inches  
*Mean annual air temperature:* 52 to 55 degrees F  
*Frost-free period:* 160 to 180 days  
*Farmland classification:* Not prime farmland

### Map Unit Composition

*Otoe, eroded, and similar soils:* 100 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

### Description of Otoe, Eroded

#### Setting

*Landform:* Hillslopes  
*Landform position (two-dimensional):* Backslope  
*Down-slope shape:* Convex, concave  
*Across-slope shape:* Linear  
*Parent material:* Loess over till

#### Typical profile

*Ap - 0 to 6 inches:* silty clay loam  
*Bt - 6 to 32 inches:* silty clay  
*C - 32 to 57 inches:* silty clay loam  
*2C - 57 to 80 inches:* silty clay loam

#### Properties and qualities

*Slope:* 5 to 9 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Moderately well drained  
*Runoff class:* Very high

## Custom Soil Resource Report

*Capacity of the most limiting layer to transmit water (Ksat):* Moderately low to moderately high (0.06 to 0.20 in/hr)  
*Depth to water table:* About 12 to 36 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Available water storage in profile:* High (about 9.5 inches)

### Interpretive groups

*Land capability classification (irrigated):* 4e  
*Land capability classification (nonirrigated):* 4e  
*Hydrologic Soil Group:* D  
*Ecological site:* Clayey upland (R106XY074NE)  
*Other vegetative classification:* Clayey Subsoil (G106XY210NE)

## 7501—Pawnee clay loam, 4 to 8 percent slopes, eroded

### Map Unit Setting

*National map unit symbol:* 2lpsn  
*Elevation:* 800 to 1,680 feet  
*Mean annual precipitation:* 29 to 39 inches  
*Mean annual air temperature:* 51 to 55 degrees F  
*Frost-free period:* 163 to 186 days  
*Farmland classification:* Farmland of statewide importance

### Map Unit Composition

*Pawnee, eroded, and similar soils:* 85 percent  
*Minor components:* 15 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

### Description of Pawnee, Eroded

#### Setting

*Landform:* Hillslopes on till plains  
*Landform position (two-dimensional):* Backslope  
*Landform position (three-dimensional):* Side slope  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Parent material:* Till

#### Typical profile

*Ap - 0 to 7 inches:* clay loam  
*BA - 7 to 13 inches:* clay loam  
*Bt - 13 to 53 inches:* clay  
*C - 53 to 79 inches:* clay loam

#### Properties and qualities

*Slope:* 4 to 8 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Moderately well drained  
*Capacity of the most limiting layer to transmit water (Ksat):* Very low to moderately low (0.00 to 0.06 in/hr)  
*Depth to water table:* About 7 to 18 inches

## Custom Soil Resource Report

*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Calcium carbonate, maximum in profile:* 10 percent  
*Available water storage in profile:* Moderate (about 8.9 inches)

### Interpretive groups

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 3e  
*Hydrologic Soil Group:* D  
*Ecological site:* Clay upland (pe 30-37) (R106XY007KS)  
*Other vegetative classification:* Clayey Subsoil (G106XY210NE)

### Minor Components

#### Morrill, eroded

*Percent of map unit:* 5 percent  
*Landform:* Hillslopes on till plains  
*Landform position (two-dimensional):* Backslope  
*Landform position (three-dimensional):* Side slope  
*Down-slope shape:* Convex  
*Across-slope shape:* Convex  
*Ecological site:* Loamy upland (pe 30-37) (R106XY015KS)  
*Other vegetative classification:* Loam (G106XY100NE)

#### Shelby, eroded

*Percent of map unit:* 4 percent  
*Landform:* Hillslopes on till plains  
*Landform position (two-dimensional):* Backslope  
*Landform position (three-dimensional):* Side slope  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Ecological site:* Loamy upland (pe 30-37) (R106XY015KS)  
*Other vegetative classification:* Loam (G106XY100NE)

#### Wymore, eroded

*Percent of map unit:* 3 percent  
*Landform:* Hillslopes on till plains  
*Landform position (two-dimensional):* Summit, backslope  
*Landform position (three-dimensional):* Interfluve, side slope  
*Down-slope shape:* Convex  
*Across-slope shape:* Convex  
*Ecological site:* Clay upland (pe 30-37) (R106XY007KS)  
*Other vegetative classification:* Clayey Subsoil (G106XY210NE)

#### Grundy, eroded

*Percent of map unit:* 3 percent  
*Landform:* Hillslopes on till plains  
*Landform position (two-dimensional):* Summit  
*Landform position (three-dimensional):* Interfluve  
*Down-slope shape:* Convex  
*Across-slope shape:* Convex  
*Ecological site:* Clay upland (pe 30-37) (R106XY007KS)  
*Other vegetative classification:* Clayey Subsoil (G106XY210NE)

## 7684—Wymore silty clay loam, 3 to 6 percent slopes, eroded

### Map Unit Setting

*National map unit symbol:* 2qskg  
*Elevation:* 730 to 1,700 feet  
*Mean annual precipitation:* 28 to 40 inches  
*Mean annual air temperature:* 50 to 55 degrees F  
*Frost-free period:* 158 to 203 days  
*Farmland classification:* All areas are prime farmland

### Map Unit Composition

*Wymore, eroded, and similar soils:* 85 percent  
*Minor components:* 15 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

### Description of Wymore, Eroded

#### Setting

*Landform:* Hillslopes  
*Landform position (two-dimensional):* Backslope  
*Landform position (three-dimensional):* Side slope  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Parent material:* Loess

#### Typical profile

*Ap - 0 to 6 inches:* silty clay loam  
*Bt1 - 6 to 11 inches:* silty clay  
*Bt2 - 11 to 40 inches:* silty clay loam  
*BC - 40 to 51 inches:* silty clay loam  
*C - 51 to 79 inches:* silty clay loam

#### Properties and qualities

*Slope:* 3 to 6 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Moderately well drained  
*Runoff class:* Medium  
*Capacity of the most limiting layer to transmit water (Ksat):* Very low to moderately low (0.00 to 0.06 in/hr)  
*Depth to water table:* About 12 to 36 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Calcium carbonate, maximum in profile:* 2 percent  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Available water storage in profile:* High (about 10.5 inches)

#### Interpretive groups

*Land capability classification (irrigated):* 4e  
*Land capability classification (nonirrigated):* 3e  
*Hydrologic Soil Group:* D

## Custom Soil Resource Report

*Ecological site:* Clayey upland (R106XY074NE)

### Minor Components

#### **Pawnee**

*Percent of map unit:* 5 percent  
*Landform:* Hillslopes  
*Landform position (two-dimensional):* Backslope  
*Landform position (three-dimensional):* Side slope  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear

#### **Baileyville**

*Percent of map unit:* 5 percent  
*Landform:* Hillslopes  
*Landform position (two-dimensional):* Backslope  
*Landform position (three-dimensional):* Side slope  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear

#### **Irwin**

*Percent of map unit:* 4 percent  
*Landform:* Hillslopes  
*Landform position (two-dimensional):* Backslope  
*Landform position (three-dimensional):* Side slope  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear

#### **Aquolls**

*Percent of map unit:* 1 percent  
*Landform:* Drainageways  
*Landform position (two-dimensional):* Backslope  
*Landform position (three-dimensional):* Side slope  
*Down-slope shape:* Concave  
*Across-slope shape:* Concave

### **7750—Nodaway silt loam, occasionally flooded**

#### **Map Unit Setting**

*National map unit symbol:* 1ts0g  
*Elevation:* 1,000 to 1,500 feet  
*Mean annual precipitation:* 30 to 32 inches  
*Mean annual air temperature:* 52 to 55 degrees F  
*Frost-free period:* 160 to 180 days  
*Farmland classification:* All areas are prime farmland

#### **Map Unit Composition**

*Nodaway, occasionally flooded, and similar soils:* 95 percent  
*Minor components:* 5 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

## Description of Nodaway, Occasionally Flooded

### Setting

*Landform:* Flood plains  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Parent material:* Silty alluvium

### Typical profile

*H1 - 0 to 7 inches:* silt loam  
*H2 - 7 to 60 inches:* silt loam

### Properties and qualities

*Slope:* 0 to 2 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Moderately well drained  
*Runoff class:* Negligible  
*Capacity of the most limiting layer to transmit water (Ksat):* Moderately high to high  
(0.60 to 2.00 in/hr)  
*Depth to water table:* About 36 to 72 inches  
*Frequency of flooding:* Occasional  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Available water storage in profile:* High (about 11.6 inches)

### Interpretive groups

*Land capability classification (irrigated):* 2w  
*Land capability classification (nonirrigated):* 2w  
*Hydrologic Soil Group:* B  
*Ecological site:* Loamy overflow (R106XY068NE)  
*Other vegetative classification:* Overflow (G106XY500NE)

## Minor Components

### Colo, occasionally flooded

*Percent of map unit:* 5 percent  
*Landform:* Flood plains  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Ecological site:* Subirrigated - veg. zone 4 (R107XY066NE)  
*Other vegetative classification:* Wet (G106XY900NE)

## 7774—Colo-Nodaway silty clay loams, frequently flooded

### Map Unit Setting

*National map unit symbol:* 1trzl  
*Elevation:* 1,000 to 1,500 feet  
*Mean annual precipitation:* 30 to 32 inches  
*Mean annual air temperature:* 52 to 55 degrees F  
*Frost-free period:* 160 to 180 days

## Custom Soil Resource Report

*Farmland classification:* Not prime farmland

### Map Unit Composition

*Colo, occasionally flooded, and similar soils:* 60 percent

*Nodaway, frequently flooded, and similar soils:* 40 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

### Description of Colo, Occasionally Flooded

#### Setting

*Landform:* Flood plains

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Fine-silty alluvium

#### Typical profile

*H1 - 0 to 12 inches:* silty clay loam

*H2 - 12 to 36 inches:* silty clay loam

*H3 - 36 to 60 inches:* silty clay loam

#### Properties and qualities

*Slope:* 0 to 2 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Poorly drained

*Runoff class:* Low

*Capacity of the most limiting layer to transmit water (Ksat):* Moderately high (0.20 to 0.60 in/hr)

*Depth to water table:* About 0 to 18 inches

*Frequency of flooding:* Occasional

*Frequency of ponding:* None

*Available water storage in profile:* High (about 11.7 inches)

#### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 3w

*Hydrologic Soil Group:* C/D

*Ecological site:* Subirrigated - veg. zone 4 (R107XY066NE)

*Other vegetative classification:* Wet (G106XY900NE)

### Description of Nodaway, Frequently Flooded

#### Setting

*Landform:* Flood plains

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Silty alluvium

#### Typical profile

*H1 - 0 to 7 inches:* silty clay loam

*H2 - 7 to 60 inches:* silt loam

#### Properties and qualities

*Slope:* 0 to 2 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Moderately well drained

*Runoff class:* Negligible

*Capacity of the most limiting layer to transmit water (Ksat):* Moderately high to high (0.60 to 2.00 in/hr)

## Custom Soil Resource Report

*Depth to water table:* About 36 to 72 inches  
*Frequency of flooding:* Frequent  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Available water storage in profile:* High (about 11.6 inches)

### Interpretive groups

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 3w  
*Hydrologic Soil Group:* B  
*Ecological site:* Loamy overflow (R106XY068NE)  
*Other vegetative classification:* Overflow (G106XY500NE)

## 7867—Nodaway silt loam, channeled, frequently flooded

### Map Unit Setting

*National map unit symbol:* 1ts0h  
*Elevation:* 1,000 to 1,500 feet  
*Mean annual precipitation:* 30 to 32 inches  
*Mean annual air temperature:* 52 to 55 degrees F  
*Frost-free period:* 160 to 180 days  
*Farmland classification:* Not prime farmland

### Map Unit Composition

*Nodaway, channeled, frequently flooded, and similar soils:* 95 percent  
*Minor components:* 5 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

### Description of Nodaway, Channeled, Frequently Flooded

#### Setting

*Landform:* Flood plains  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Parent material:* Silty alluvium

#### Typical profile

*H1 - 0 to 4 inches:* silt loam  
*H2 - 4 to 60 inches:* silt loam

#### Properties and qualities

*Slope:* 0 to 2 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Moderately well drained  
*Runoff class:* Negligible  
*Capacity of the most limiting layer to transmit water (Ksat):* Moderately high to high  
(0.60 to 2.00 in/hr)  
*Depth to water table:* About 36 to 72 inches  
*Frequency of flooding:* Frequent  
*Frequency of ponding:* None  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)

## Custom Soil Resource Report

*Available water storage in profile:* High (about 11.5 inches)

### **Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 6w

*Hydrologic Soil Group:* B

*Ecological site:* Loamy overflow (R106XY068NE)

*Other vegetative classification:* Overflow (G106XY500NE)

### **Minor Components**

#### **Colo, occasionally flooded**

*Percent of map unit:* 4 percent

*Landform:* Flood plains

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Ecological site:* Subirrigated - veg. zone 4 (R107XY066NE)

*Other vegetative classification:* Wet (G106XY900NE)

#### **Ponded soils**

*Percent of map unit:* 1 percent

*Landform:* Depressions

*Down-slope shape:* Concave

*Across-slope shape:* Concave

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United States Department of Agriculture, Natural Resources Conservation Service. National range and pasture handbook. <http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/landuse/rangepasture/?cid=stelprdb1043084>

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## City of Lincoln - Engineering Services

### SECTION 03

#### SWPPP VICINITY MAP AND SITE PLAN

City Paving Project 541028 – Country Meadows Neighborhood

949 West Bond St., Ste. 200 • 441-7711/441-6576 (fax)  
[www.lincoln.ne.gov](http://www.lincoln.ne.gov)

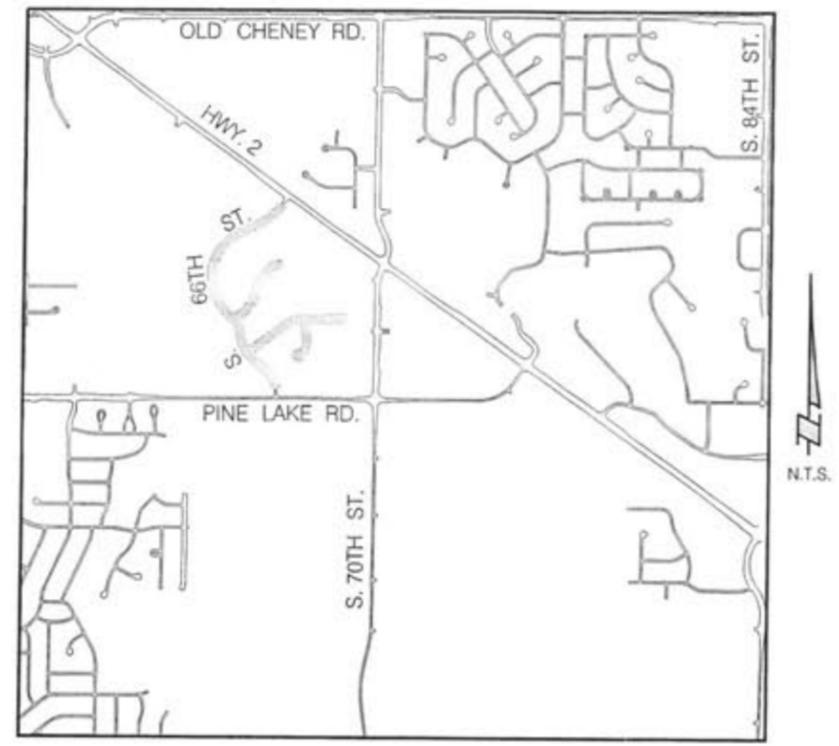


PROJ: 5  
 PEN: 001/01/2014/01/01  
 USER: JPD  
 DATE: 12/10/2014  
 DGN: 118-C-31

CITY OF LINCOLN NEBRASKA	PROJECT NO.	SHEET NO.
	541028	1
	Date: 12/10/2014	Drawn: JPD
	Horz. Scale: 1:40	Checked: CEA
		Approved: CEA

# CITY OF LINCOLN, NE (2015) COUNTRY MEADOWS PAVING PROJECT #541028

SHT NO.	SHEET INDEX
1	COVER
2	SUMMARY OF QUANTITIES AND GENERAL NOTES
3	HORIZONTAL AND VERTICAL CONTROL
4	TYPICAL SECTIONS
5-16	GEOMETRICS
17-28	JOINTS AND GRADES
29-40	ROADWAY PLAN AND PROFILE
41-52	CONSTRUCTION AND REMOVAL



**PRIOR TO CONSTRUCTION:**

CALL : 1-800-331-5666 OR 811 FOR LOCATION OF UNDERGROUND TELEPHONE, ELECTRIC, GAS MAINS, CABLEVISION AND CITY OF LINCOLN UTILITIES.

NOTE: EXISTING UNDERGROUND AND OVERHEAD UTILITIES AND DRAINAGE STRUCTURES HAVE BEEN PLOTTED FROM AVAILABLE INFORMATION AND THEREFORE, THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. IT IS THE RESPONSIBILITY OF THE INDIVIDUAL CONTRACTORS TO EXACTLY LOCATE AND PROTECT EACH EXISTING UTILITY BEFORE AND DURING ACTUAL CONSTRUCTION.



**APPROVED FOR CONSTRUCTION**

CITY ENGINEER'S OFFICE

DATE  
**COVER**

PROJECT: 541028  
 USER: JRD  
 DATE: 12/10/2014  
 DGN: 118-C-31.dgn

LEGEND - SURVEY (UTILITIES)

- ELECTRIC MANHOLE
- ELECTRIC METER
- ELECTRICAL RISER
- GAS BLOW OFF
- GAS METER
- GAS VALVE
- GUY POLE
- GUY ANCHOR
- LIGHT POLE
- MONITORING WELL
- ORNAMENTAL LIGHT
- PULL BOX
- SPRINKLER CONTROL BOX
- SPRINKLER HEAD
- STORM DRAINAGE FLARED END SECTION
- STORM DRAINAGE GRATE INLET
- STORM DRAINAGE CURB INLET
- STORM DRAINAGE MANHOLE
- TELEPHONE BOX
- TELEPHONE PULL BOX
- TELEVISION/CABLE RISER BOX
- TRAFFIC SIGNAL
- TRAFFIC CONTROL BOX
- UTILITY POLE
- WASTE WATER MANHOLE
- WATER HYDRANT
- WATER BLOW OFF
- WATER MANHOLE
- WATER PRIVATE WELL
- WATER STOP BOX
- WATER VALVE
- WATER YARD HYDRANT
- 30" RCP STORM DRAINAGE
- 24" WASTE WATER
- 8" WATER

LEGEND - SURVEY (NON SURVEYED UTILITIES)

- UG GAS LINE
- UE ELECTRICAL SERVICE
- OE ELECTRICAL SERVICE OVERHEAD
- UWW WASTE WATER
- 8" RCP USD STORM DRAINAGE
- LW WATER
- UT TELEPHONE LINE
- OT TELEPHONE LINE OVERHEAD
- LFD FIBER OPTIC TELE. LINE
- UTV TELEVISION/CABLE TV LINE
- OTV TELEVISION/CABLE TV LINE OVERHEAD
- TRAFFIC SIGNAL

LEGEND - SURVEY (MISC.)

- BENCHMARK
- BORING
- 48" FENCE FENCE - R.O.W. OR WIRE
- 30" FENCE FENCE - CHAIN LINK
- 30" FENCE FENCE - PICKET, PRIVACY OR SPLIT RAIL
- FLOWLINE
- GUARDRAIL
- HEAD STONE
- MAILBOX
- RAILROAD CROSSING SIGNAL
- RAILROAD SWITCH
- RAILROAD TRACKS
- RETAINING WALL
- SIGN
- WATER EDGE

LEGEND - SURVEY (LANDSCAPE)

- BUSH - CONIFEROUS
- BUSH - DECIDUOUS
- BUSH - CONIFEROUS BUSH ROW
- BUSH - DECIDUOUS BUSH ROW
- STUMP - < 12"
- STUMP - 12" TO 23"
- STUMP - 24" TO 35"
- STUMP - > 36"
- TREE - CONIFEROUS MASS PERIMETER
- TREE - CONIFEROUS < 12"
- TREE - CONIFEROUS 12" TO 23"
- TREE - CONIFEROUS 24" TO 35"
- TREE - CONIFEROUS > 36"
- TREE - CONIFEROUS TREE LINE
- TREE - DECIDUOUS MASS PERIMETER
- TREE - DECIDUOUS < 12"
- TREE - DECIDUOUS 12" TO 23"
- TREE - DECIDUOUS 24" TO 36"
- TREE - DECIDUOUS > 36"
- TREE - DECIDUOUS TREE LINE
- TREE REMOVAL

LEGEND - RIGHT-OF-WAY

- LOT CORNER
- RIGHT-OF-WAY
- EXISTING CONTROL ACCESS
- EXISTING PERMANENT EASEMENT
- EXISTING ROW
- PROPERTY LINE

LEGEND - PROPOSED (MISC.)

- PROPOSED LOC - CUT
- PROPOSED LOC - FILL
- PROPOSED RETAINING WALL
- ASPHALT SURFACE
- CONCRETE BIKEWAY
- CONCRETE DRIVEWAY
- CONCRETE PAVEMENT
- CONCRETE SIDEWALK
- CRUSHED ROCK SURFACING
- EARTH
- RIP RAP
- TACK ON MEDIAN

GENERAL NOTES:

ALL SURVEY WAS DONE BY ELECTRONIC INSTRUMENT. ALL ELEVATIONS SHOWN ARE U.S.C.&G.S.

GEOMETRICS & DIMENSIONS ON THIS PROJECT ARE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.

TREES TO BE REMOVED ONLY UPON APPROVAL OF THE FIELD ENGINEER.

2011 LINCOLN STANDARD PLANS SHALL BE USED WHERE APPLICABLE

CONTRACTOR SHALL FIELD VERIFY THE LOCATION AND ELEVATION OF ALL EXISTING UTILITIES, THROUGH THE USE OF POTHOLING, EXCAVATION, OR OTHER MEANS, PRIOR TO CONSTRUCTION ON THIS PROJECT.

SUMMARY OF QUANTITIES

MISCELLANEOUS ITEMS			
1.00001	MOBILIZATION	L.S.	1
1.01001	CONSTRUCTION STAKING	L.S.	1
15.09001	TRAFFIC CONTROL FOR CONSTRUCTION	L.S.	1
30.08001	SODDING	SQ. FT.	42,649
32.02001	SYNTHETIC FABRIC SILT FENCE INSTALL	L.F.	225
32.02002	SYNTHETIC FABRIC SILT FENCE MAINTENANCE	L.F.	450
32.02003	SYNTHETIC FABRIC SILT FENCE REMOVE	L.F.	225

PAVING ITEMS			
1.04001	PAVEMENT & SIDEWALK REMOVAL	CU. YD.	2,355
1.05001	TYPE 'A' SAWING	L.F.	51
1.06001	TYPE 'B' SAWING	L.F.	80
1.07001	TYPE 'C' SAWING	L.F.	1,102
2.05001	EXCAVATION	CU. YD.	583
2.06001	EXCAVATION - DISPOSAL	CU. YD.	63
2.08001	EARTHWORK MEASURED IN EMBANKMENT	CU. YD.	520
4.09007	PCC PAVEMENT, 7"	SQ. YD.	16,073
4.09405	CONCRETE DRIVEWAY, 5"	SQ. FT.	16,126
6.06004	ASPHALTIC CONCRETE, TYPE 4	TON	2
9.03001	CRUSHED ROCK ROADWAY SURFACING	TON	32

STORM DRAINAGE ITEMS			
20.07001	CONCRETE FOR COLLARS, ELBOWS, PLUGS & HDWLS	CU. YD.	0.53
20.07002	REINF STEEL FOR COLLARS, ELBOWS, PLUGS & HDWLS	LBS.	61
21.03124	REMOVE AND RELAY RCP STORM SEWER, 24"	L.F.	96



SUMMARY OF QUANTITIES AND GENERAL NOTES

100+00

101+00

102+00

103+00

104+00

105+00

106+00

CITY OF LINCOLN NEBRASKA	PROJECT NO.	SHEET NO.
	541028	41
	Date: 12/1/2014	Drawn: JPD
	Plot Scale: 1"=40'	Checked: GEA
		Approved: GEA

FILE: \\usblin\p\m\CTD\_P\m\table.dwg  
 PEN: skid  
 USER: skid  
 DATE: 12/01/2014  
 DGN: 141028C01.dgn

PAVEMENT AND SIDEWALK REMOVAL				1.04001
STATION TO STATION	SIDE	CY		
102+00.00 - 106+00.00	LT. & RT.	151		

SAWING				1.05001 - 1.09001
STATION TO STATION	SIDE	TYPE	LF	
102+00.00	LT. & RT.	'A'	23	
102+00.00 - 106+00.00	LT. & RT.	'C'	80	

P.C.C. PAVEMENT				4.09006 - 4.09010
STATION TO STATION	SIDE	THICK	SY	
102+05.00 - 106+00.00	LT. & RT.	7"	966	

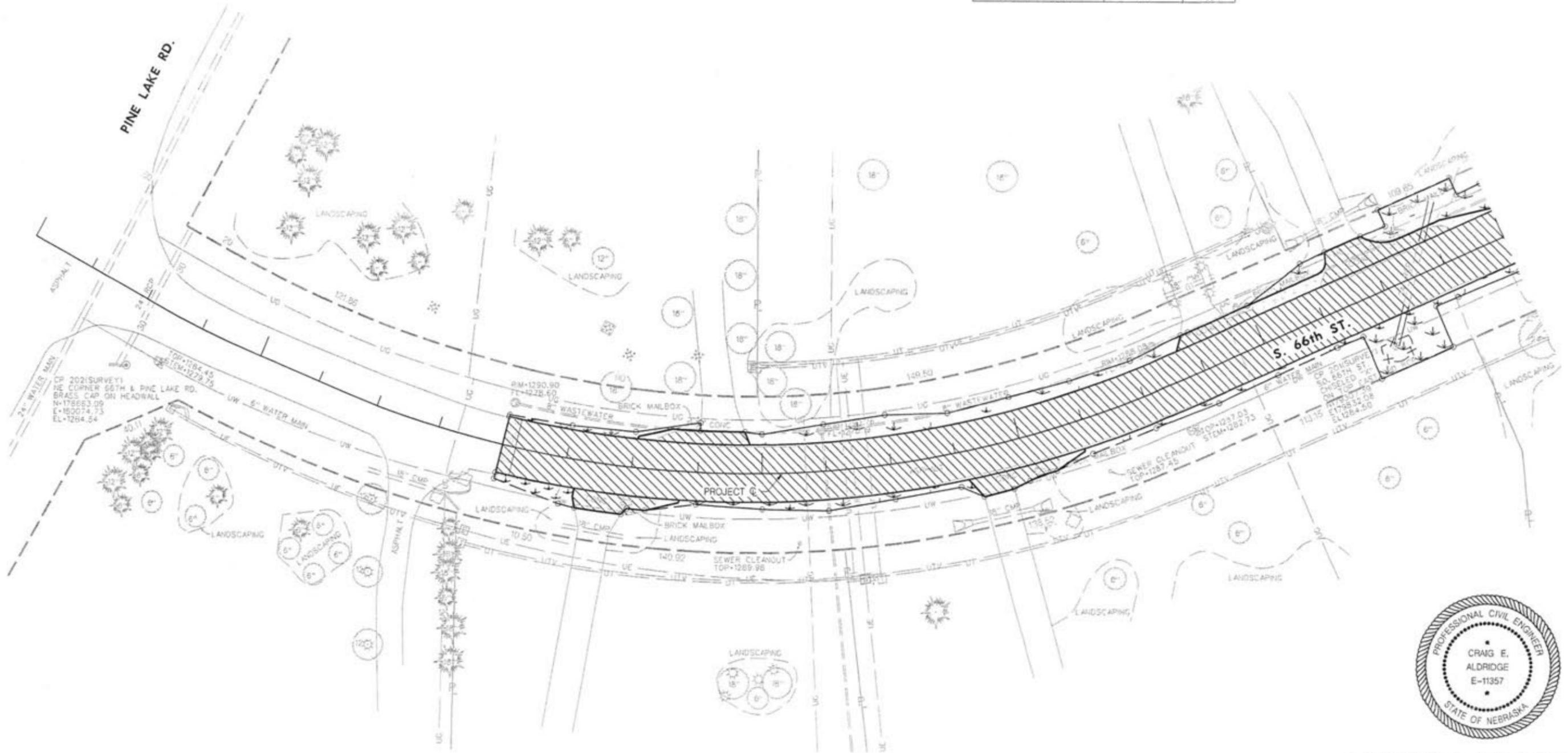
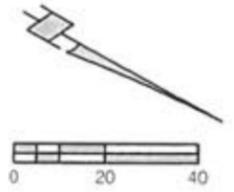
CONCRETE DRIVEWAY				4.09405 - 4.09406
STATION TO STATION	SIDE	THICK	SF	
102+00.00 - 106+00.00	LT. & RT.	5"	1,389	

ASPHALTIC CONCRETE				06.06001 - 06.06004
STATION TO STATION	SIDE	TYPE	TON	
102+00.00 - 102+05.00	LT. & RT.	4	2	

REMOVE & RELAY R.C.P. STORM SEWER					21.03115 - 21.03172
STATION	OFFSET	SIZE	FL	LF	
105+45.75	21.4' RT.	24"	-	16	
105+79.97	23.9' LT.	24"	-	16	

SODDING			30.08001
STATION TO STATION	SIDE	SF	
102+00.00 - 106+00.00	LT. & RT.	3,180	

INSTALL SYNTHETIC FABRIC SILT FENCE			32.02001
STATION TO STATION	SIDE	LF	
105+40 - 105+52	RT.	35	



CONSTRUCTION AND REMOVAL

118-C-31

106+00

107+00

108+00

109+00

110+00

111+00

 CITY OF LINCOLN NEBRASKA	PROJECT NO.	SHEET NO.
	541028	42
Date: 10/1/2014	Drawn: JFC	
Horz. Scale: 1"=40'	Checked: CEA	
	Approved: CEA	

112+00

PAVEMENT AND SIDEWALK REMOVAL				1.04001
STATION TO STATION	SIDE	CY		
106+00.00 - 112+00.00	LT. & RT.	251		

SAWING				1.05001 - 1.09001
STATION TO STATION	SIDE	TYPE	LF	
106+00.00 - 112+00.00	LT.	'C'	74	

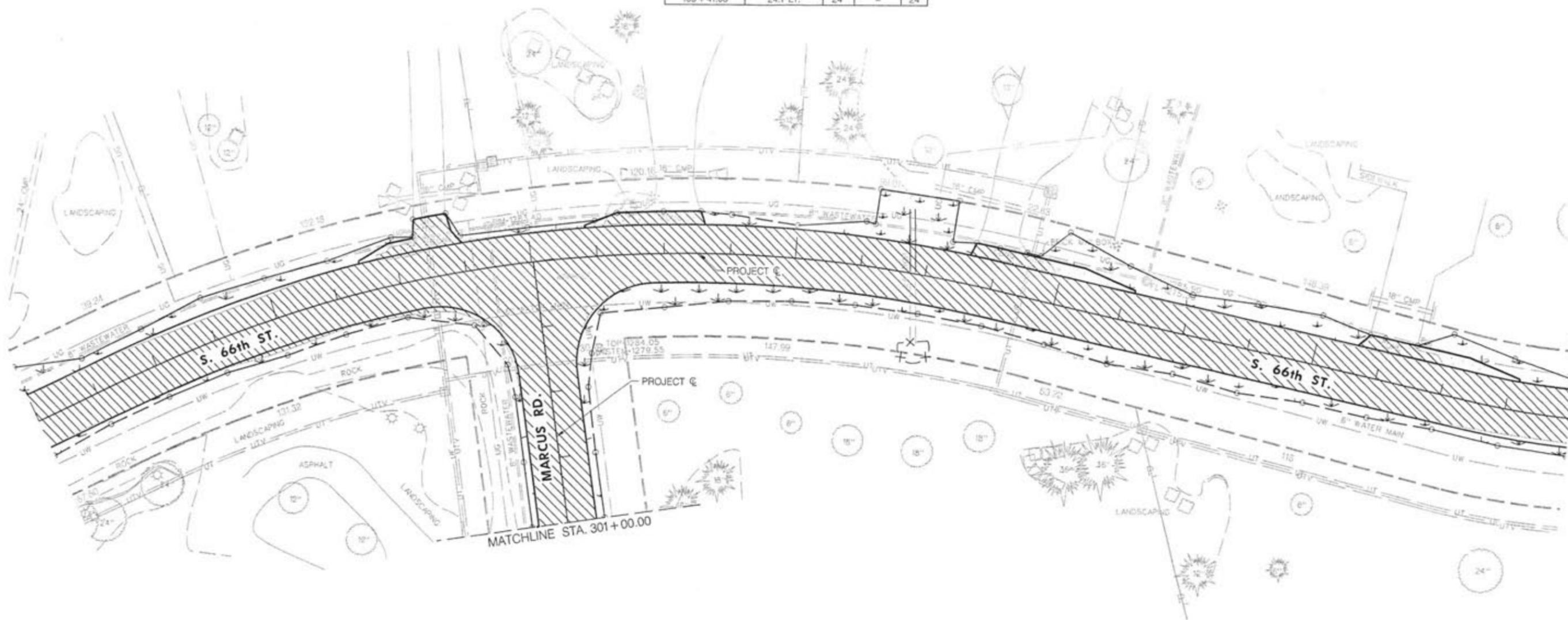
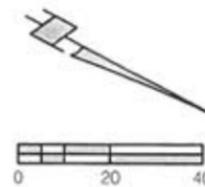
P.C.C. PAVEMENT					4.09006 - 4.09010
STATION TO STATION	SIDE	THICK	SY		
106+00.00 - 112+00.00	LT. & RT.	7"	1,735		

CONCRETE DRIVEWAY					4.09405 - 4.09406
STATION TO STATION	SIDE	THICK	SF		
106+00.00 - 112+00.00	LT.	5"	999		

REMOVE & RELAY R.C.P. STORM SEWER					21.03115 - 21.03172
STATION	OFFSET	SIZE	FL	LF	
109+41.06	24.1' LT.	24"	-	24	

SODDING			30.08001
STATION TO STATION	SIDE	SF	
106+00.00 - 112+00.00	LT. & RT.	5,890	

INSTALL SYNTHETIC FABRIC SILT FENCE			32.02001
STATION TO STATION	SIDE	LF	
109+44 - 109+56	RT.	35	



CONSTRUCTION AND REMOVAL

118-C-31

PROJ: 118-C-31  
 USER: JFC  
 DATE: 10/1/2014  
 DON: 118-C-31

118-C-31

112+00

113+00

114+00

115+00

116+00

117+00

 CITY OF LINCOLN NEBRASKA	PROJECT NO.	SHEET NO.
	541028	43
Date: 10/1/2014	Drawn: JHO	
Plot Scale: 1"=40'	Checked: CSA	
	Approved: CSA	

118+00

PAVEMENT AND SIDEWALK REMOVAL				1.04001
STATION TO STATION	SIDE	CY		
112+00.00 - 118+00.00	LT. & RT.	245		

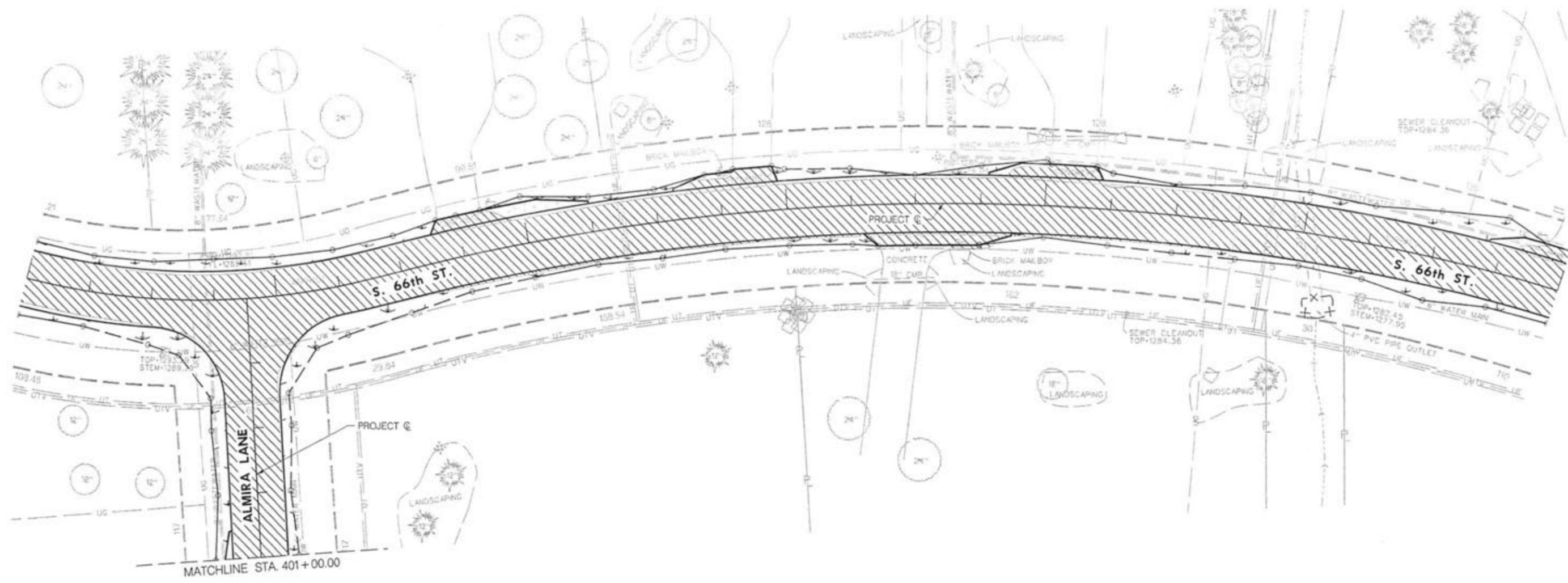
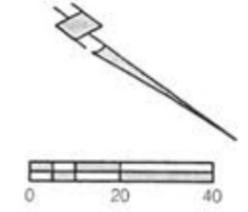
SAWING				1.05001 - 1.09001
STATION TO STATION	SIDE	TYPE	LF	
112+00.00 - 118+00.00	LT. & RT.	'C'	90	

P.C.C. PAVEMENT				4.09006 - 4.09010
STATION TO STATION	SIDE	THICK	SY	
112+00.00 - 118+00.00	LT. & RT.	7"	1,719	

CONCRETE DRIVEWAY				4.09405 - 4.09406
STATION TO STATION	SIDE	THICK	SF	
112+00.00 - 118+00.00	LT. & RT.	5"	1,033	

SODDING			30.08001
STATION TO STATION	SIDE	SF	
112+00.00 - 118+00.00	LT. & RT.	4,433	

INSTALL SYNTHETIC FABRIC SILT FENCE			32.02001
STATION TO STATION	SIDE	LF	
117+03 - 117+15	RT.	35	



CONSTRUCTION AND REMOVAL

118-C-31

PROJ: S:\...  
 PEN: JHO  
 USER: JHO  
 DATE: 10/1/2014  
 DWF: S:\...

118-C-31

PAVEMENT AND SIDEWALK REMOVAL			1.04001
STATION TO STATION	SIDE	CY	
118+00.00 - 124+00.00	LT. & RT.	216	

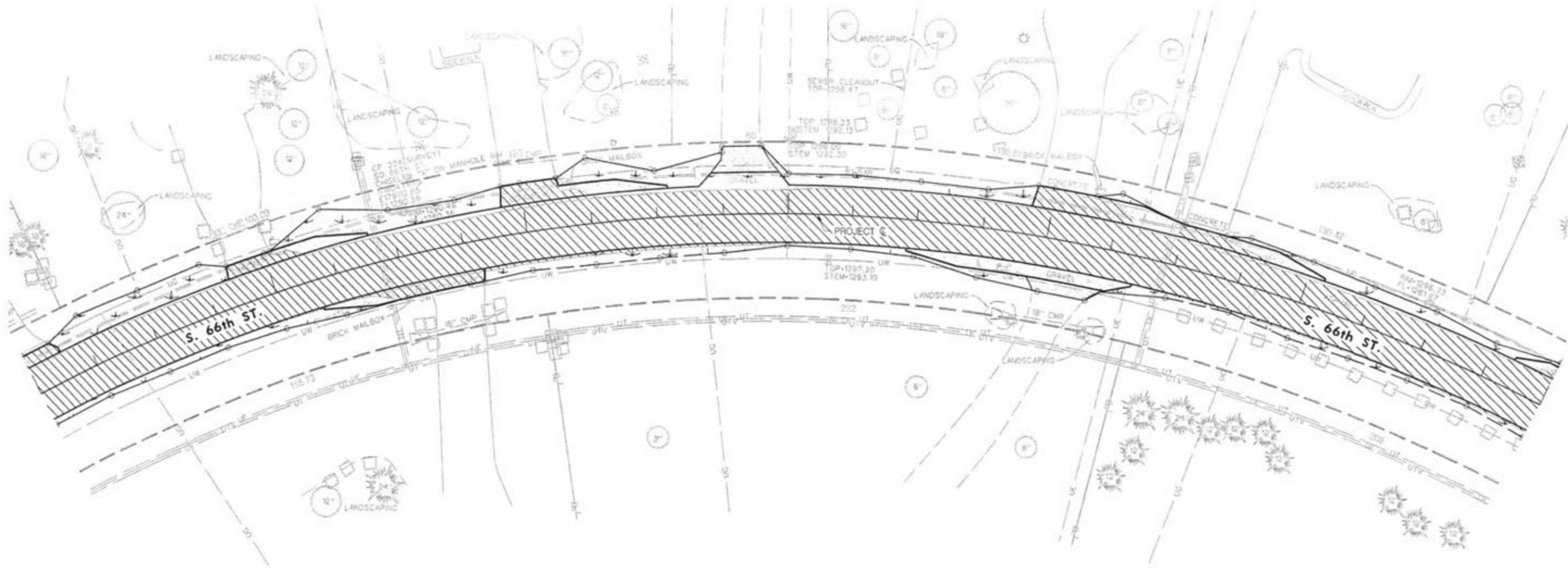
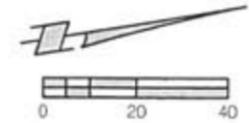
SAWING				1.05001 - 1.09001
STATION TO STATION	SIDE	TYPE	LF	
118+00.00 - 124+00.00	LT. & RT.	'C'	113	

CRUSHED ROCK ROADWAY SURFACING			9.03001
STATION TO STATION	SIDE	TON	
120+71 - 120+96	LT.	4	
121+94 - 122+26	RT.	2	

P.C.C. PAVEMENT				4.09006 - 4.09010
STATION TO STATION	SIDE	THICK	SY	
118+00.00 - 124+00.00	LT. & RT.	7"	1,484	

CONCRETE DRIVEWAY				4.09405 - 4.09406
STATION TO STATION	SIDE	THICK	SF	
118+00.00 - 124+00.00	LT. & RT.	5"	2,060	

SODDING			30.08001
STATION TO STATION	SIDE	SF	
118+00.00 - 124+00.00	LT. & RT.	4,041	



PROJ: \Users\jrd\OneDrive\Projects\118-C-31\118-C-31.dwg  
 USER: jrd  
 DATE: 12/01/2014  
 DOR: 11/20/2014

118-C-31

124+00

125+00

126+00

127+00

128+00

129+00

CITY OF LINCOLN  
NEBRASKA

PROJECT NO. 541028	SHEET NO. 45
Date: 12/1/2014	Drawn: JPD
Horizontal Scale: 1"=40'	Checked: CEA
	Approved: CSA

CONC. & STEEL FOR COLLARS,  
ELBOWS, PLUGS & HEADWALLS  
20.07001 - 20.07002

NO.	STATION	OFFSET	FL	CONC. (CY.)	STEEL (LB)	DESCRIPTION
1	124+92.58	16' RT.	1296.47	.53	61	24" COLLAR

REMOVE & RELAY  
R.C.P. STORM SEWER  
21.03115 - 21.03172

STATION	OFFSET	SIZE	FL	LF
124+92.58	14' LT. - 26' RT.	24"	1297.54 ±	40

PAVEMENT AND SIDEWALK REMOVAL  
1.04001

STATION TO STATION	SIDE	CY
124+00.00 - 130+00.00	LT. & RT.	224

SAWING  
1.05001 - 1.09001

STATION TO STATION	SIDE	TYPE	LF
124+00.00 - 130+00.00	LT. & RT.	'C'	154

P.C.C. PAVEMENT  
4.09006 - 4.09010

STATION TO STATION	SIDE	THICK	SY
124+00.00 - 130+00.00	LT. & RT.	7"	1,467

CONCRETE DRIVEWAY  
4.09405 - 4.09406

STATION TO STATION	SIDE	THICK	SF
124+00.00 - 130+00.00	LT. & RT.	5"	2,474

SODDING  
30.08001

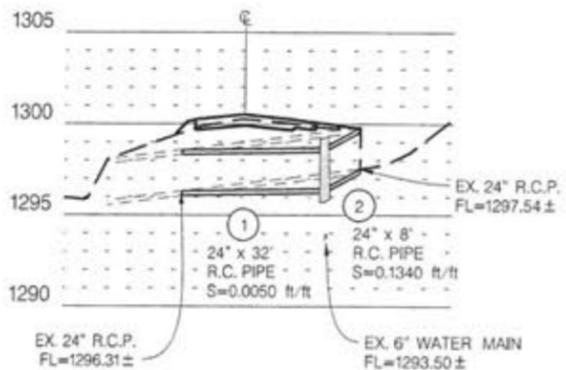
STATION TO STATION	SIDE	SF
124+00.00 - 130+00.00	LT. & RT.	4,285

INSTALL SYNTHETIC  
FABRIC SILT FENCE  
32.02001

STATION TO STATION	SIDE	LF
124+86 - 124+98	RT.	35

CRUSHED ROCK  
ROADWAY SURFACING  
9.03001

STATION TO STATION	SIDE	TON
124+16 - 124+47	RT.	2



Horz. Scale = 1:40  
Vert. Scale = 1:10



CONSTRUCTION AND REMOVAL



200+00

201+00

202+00

203+00

204+00

PROJ: 118-C-31  
 PEN: JED  
 USER: JED  
 DATE: 12/01/2014  
 DOK: U:\118C\118C-31.dgn

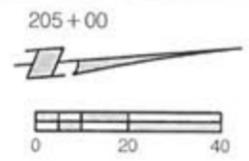
PAVEMENT AND SIDEWALK REMOVAL			1.04001
STATION TO STATION	SIDE	CY	
200+00.00 - 205+00.00	LT. & RT.	251	

P.C.C. PAVEMENT				4.09006 -
				4.09010
STATION TO STATION	SIDE	THICK	SY	
200+00.00 - 205+00.00	LT. & RT.	7"	1,768	

SAWING				1.05001 -
				1.09001
STATION TO STATION	SIDE	TYPE	LF	
200+00.00 - 205+00.00	LT. & RT.	C'	94	

CONCRETE DRIVEWAY				4.09405 -
				4.09406
STATION TO STATION	SIDE	THICK	SF	
200+00.00 - 205+00.00	LT. & RT.	5"	1,089	

SODDING			30.08001
STATION TO STATION	SIDE	SF	
200+00.00 - 205+00.00	LT. & RT.	2,489	



CONSTRUCTION AND REMOVAL



306+00

307+00

308+00

309+00

310+00

311+00

312+00

CITY OF LINCOLN NEBRASKA	PROJECT NO.	SHEET NO.
	541026	49
	Date: 12/1/2014	Drawn: JPD
	Plot Scale: 1/8"	Checked: CSA
		Approved: CSA

PAVEMENT AND SIDEWALK REMOVAL			1.04001
STATION TO STATION	SIDE	CY	
306+00.00 - 312+00.00	LT. & RT.	224	

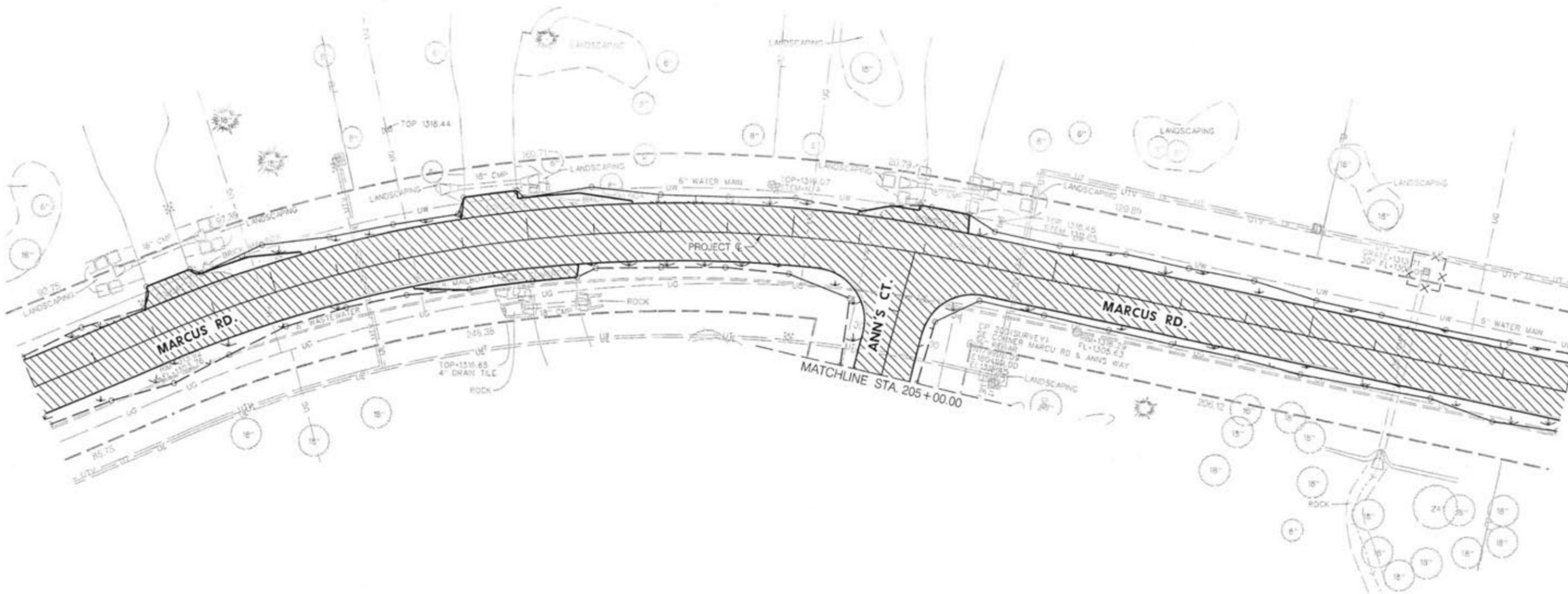
SAWING				1.05001 - 1.09001
STATION TO STATION	SIDE	TYPE	LF	
306+00.00 - 312+00.00	LT. & RT.	'C'	78	

P.C.C. PAVEMENT					4.09006 - 4.09010
STATION TO STATION	SIDE	THICK	SY		
306+00.00 - 312+00.00	LT. & RT.	7"	1,563		

CONCRETE DRIVEWAY					4.09405 - 4.09406
STATION TO STATION	SIDE	THICK	SF		
306+00.00 - 312+00.00	LT. & RT.	5"	1,181		

SODDING			30.08001
STATION TO STATION	SIDE	SF	
306+00.00 - 312+00.00	LT. & RT.	3,654	

INSTALL SYNTHETIC FABRIC SILT FENCE			32.02001
STATION TO STATION	SIDE	LF	
311+32 - 311+44	LT.	50	



CONSTRUCTION AND REMOVAL

PROJ: 118-C-31  
 PEN: JPD  
 USER: JPD  
 DATE: 12/01/2014  
 DOR: 12/01/2014

PROJ: 118-C-31  
 PEN: JPD  
 USER: JPD  
 DATE: 12/10/2014  
 DGN: 118-C-31.dgn

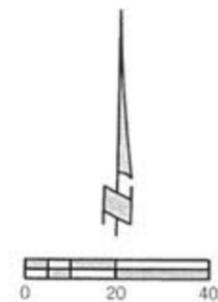
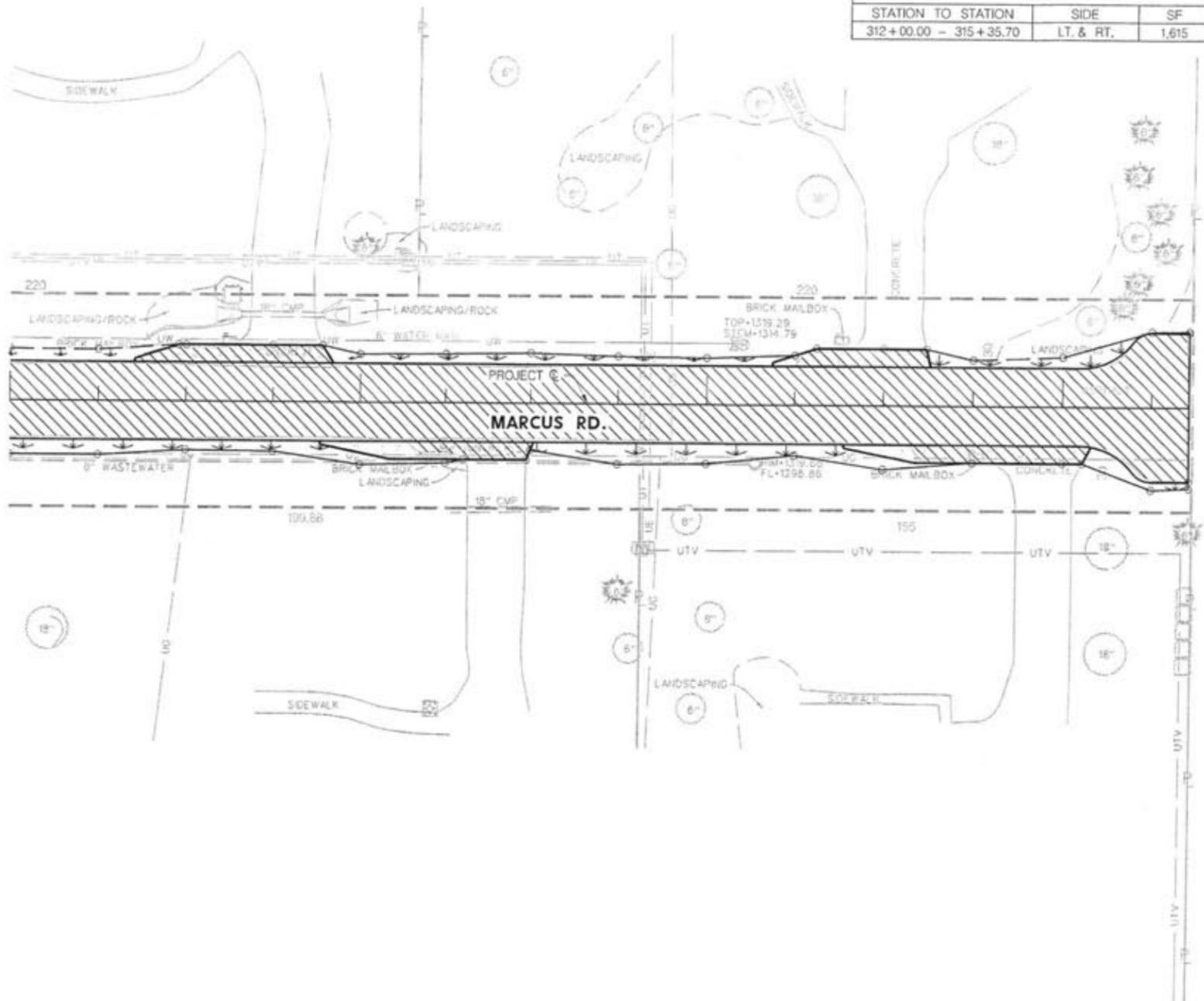
PAVEMENT AND SIDEWALK REMOVAL			1.04001
STATION TO STATION	SIDE	CY	
312+00.00 - 315+35.70	LT. & RT.	128	

P.C.C. PAVEMENT				4.09006 - 4.09010
STATION TO STATION	SIDE	THICK	SY	
312+00.00 - 315+35.70	LT. & RT.	7"	863	

SAWING				1.05001 - 1.08001
STATION TO STATION	SIDE	TYPE	LF	
312+00.00 - 315+35.70	LT. & RT.	C	91	

CONCRETE DRIVEWAY				4.09405 - 4.09406
STATION TO STATION	SIDE	THICK	SF	
312+00.00 - 315+35.70	LT. & RT.	5"	1,013	

SODDING			30.08001
STATION TO STATION	SIDE	SF	
312+00.00 - 315+35.70	LT. & RT.	1,615	





406+00

407+00

408+00

409+00

410+00

411+00



PROJECT NO.	541028	SHEET NO.	52
Date:	11/6/2014	Drawn:	JFD
Proj. Scale:	1"=40'	Checked:	CEA
		Approved:	CEA

PAVEMENT AND SIDEWALK REMOVAL			1.04001
STATION TO STATION	SIDE	CY	
406+00.00 - 411+07.47	LT. & RT.	177	

SAWING				1.05001 - 1.09001
STATION TO STATION	SIDE	TYPE	LF	
406+00.00 - 411+07.47	LT. & RT.	'C'	74	

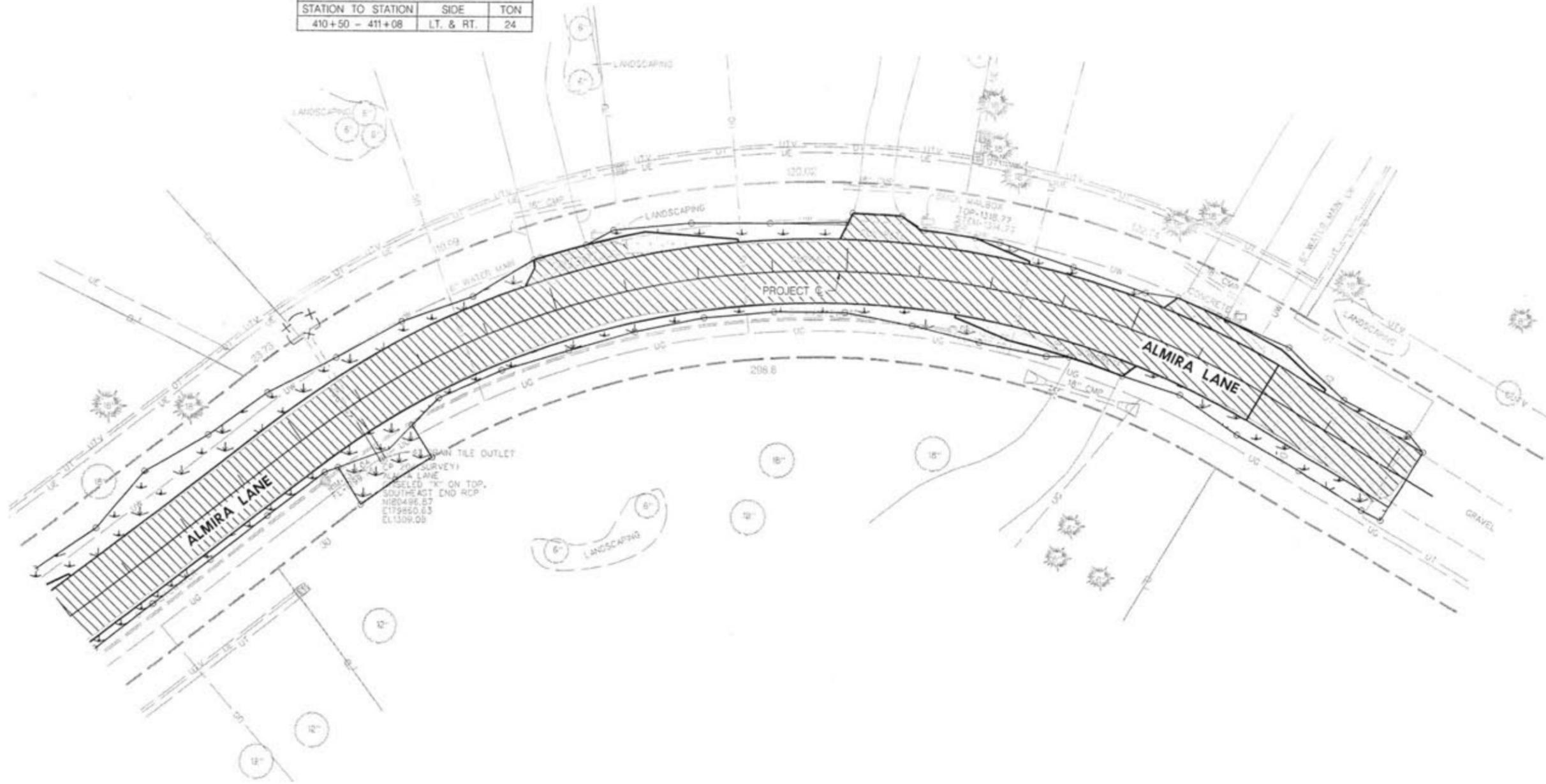
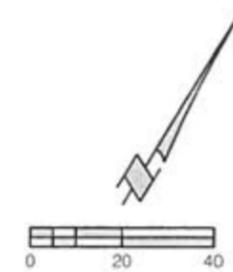
CRUSHED ROCK ROADWAY SURFACING			9.03001
STATION TO STATION	SIDE	TON	
410+50 - 411+08	LT. & RT.	24	

P.C.C. PAVEMENT				4.09006 - 4.09010
STATION TO STATION	SIDE	THICK	SY	
406+00.00 - 410+50.00	LT. & RT.	7"	1,241	

CONCRETE DRIVEWAY				4.09405 - 4.09406
STATION TO STATION	SIDE	THICK	SF	
406+00.00 - 411+07.47	LT. & RT.	5"	1,364	

SODDING			30.08001
STATION TO STATION	SIDE	SF	
406+00.00 - 411+07.47	LT. & RT.	4,386	

INSTALL SYNTHETIC FABRIC SILT FENCE			32.02001
STATION TO STATION	SIDE	LF	
407+15 - 407+26	LT.	35	



CONSTRUCTION AND REMOVAL

PROJ: 118-C-31  
 USER: jfd  
 DATE: 11/6/2014  
 CODE: 118-C-31.dwg

118-C-31

118-C-31



## City of Lincoln - Engineering Services

### SECTION 04

#### SWPPP CERTIFICATION, CONTACT LIST AND EXECUTIVE SUMMARY

City Paving Project 541028 – Country Meadows Neighborhood

949 West Bond St., Ste. 200 • 441-7711/441-6576 (fax)  
[www.lincoln.ne.gov](http://www.lincoln.ne.gov)

Date: 01/15

City of Lincoln – Project No. 541028  
Paving Project in Country Meadows Neighborhood  
Lincoln, NE

City of Lincoln  
949 West Bond St.  
Lincoln, NE 68521

## **GENERAL PERMIT FOR STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITIES**

### **STORMWATER POLLUTION PREVENTION PLAN**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage this system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Sincerely,  
City of Lincoln

Project Manager

General Contractor's SWPPP Certification

Date: 01/15

City of Lincoln – Project No. 541028  
Paving Project in Country Meadows Neighborhood  
Lincoln, NE

Address:  
City of Lincoln  
949 West Bond St.  
Lincoln, NE 68521

**GENERAL PERMIT FOR STORMWATER DISCHARGES  
FROM CONSTRUCTION ACTIVITIES**

**STORMWATER POLLUTION PREVENTION PLAN**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage this system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

By: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Title: \_\_\_\_\_

## Contact List

**Contacts for:**

City of Lincoln – Project No. 541028  
Paving Project in Country Meadows Neighborhood  
Lincoln, NE

**SWPPP Design Engineer:**

**Craig Aldridge, P.E.**

Phone: (402) 416-5349

Responsible for the development of the SWPPP for this site and obtaining the NPDES permit.

**City of Lincoln, Project Manager:**

Name: \_\_\_\_\_ Craig Aldridge \_\_\_\_\_

Phone: \_\_\_\_\_ 402-416-5349 \_\_\_\_\_

Responsible for conducting the monthly inspections as required and otherwise oversee compliance with all permits.

**Responsible Contractor's Compliance Officer:** Name: \_\_\_\_\_

Firm: \_\_\_\_\_

Phone: \_\_\_\_\_

Responsible for the supervision or completion of construction at a site and able to adequately identify and implement storm water sediment and erosion control practices and effectively instruct employees and contractors in the implementation of such practices.

**Project Superintendent:**

Name: \_\_\_\_\_

Firm: \_\_\_\_\_

Phone (office): \_\_\_\_\_

Phone (mobile): \_\_\_\_\_

Responsible for overseeing activities and work at a site; has the authority to direct employees and contractors to undertake actions to comply with a Permit, the Clean Water Act, and the site's SWPPP.

## I. EXECUTIVE SUMMARY

The Storm Water Pollution Prevention Plan (SWPPP) includes, but is not limited to Specification Section 02370 (which includes this SWPPP) and appendices, the Erosion and Sedimentation Control Plan included in the Construction Drawings, the CSW-NOI, Notice of Transfer (CSW-TRANSFER), Permit Authorization, General Permit, Notice of Termination of Construction Activities (CSW-NOT Form), all records of inspections and activities which are created during the course of the project, and other documents as may be included by reference to this SWPPP. Changes, modifications, revisions, additions or deletions shall become part of this SWPPP as they occur.

**Note: General Contractor must certify this SWPPP in the format included immediately preceding this section. All signed certifications must be kept with the SWPPP documents and be available for inspection.**

The General Contractor and all subcontractors involved with a construction activity that disturbs site soil or who implement a pollutant control measure identified in the Storm Water Pollution Prevention Plan must comply with the following requirements of the National Pollutant Discharge Elimination Systems (NPDES) General Permit ("General Permit"), the Nebraska Department of Environmental Quality, the Lower Platte South Natural Resources District, and the City of Lincoln concerning erosion and sedimentation control:

- A. Provide a list of any state, county, city, or other personnel who may review the SWPPP or inspect the construction site.

**Nebraska Department of Environmental Quality  
Water Quality Division – Storm Water  
1200 "N" Street, Suite 400  
PO Box 98922  
Lincoln, Nebraska 68509  
(402) 471-2186 FAX (402) 471-2909**

- B. A copy of the completed CSW-NOI, attached as Section 01, the permit authorization, a description of the project, and the General Contractor's local contact name and number (site Storm Water Coordinator) must be posted in a prominent place for public viewing at the construction site until termination of permit coverage has been obtained by a CSW-NOT.
- C. A Construction Site Notice form must be completed and posted at the job site entrance with the contractor name, address and phone number. It shall also contain a physical description of the location and amount of acres disturbed by construction. The form can be found in Section 10.
- D. Complete copy of the SWPPP, including copies of all inspection reports, plan revisions, etc., must be retained at the project site at all times during the duration of the project and kept in the permanent project records for at least five years following submission of the CSW-NOT.

- E. The General Contractor must provide names and addresses of all subcontractors working on this project who will be involved with the major construction activities that disturb site soil ("Sub-Contractor List"). That information must be kept with this SWPPP. (Section 9 of the General Contractor's SWPPP. See "Jobsite Storm Water Document Guideline".)
- F. The General Contractor and all subcontractors involved with ground-disturbing activities must sign a copy of the appropriate certification statement included in Section 05. That information must be kept with this SWPPP. (Section 10 of the General Contractor's SWPPP. See "Jobsite Storm Water Document Guideline".)
- G. Weekly inspections by the Contractor's Compliance Officer must be made to determine the effectiveness of the SWPPP. The required form is included as Section 06. The Storm Water Pollution Prevention Plan including the best management practices implemented on the jobsite shall be modified as needed to prevent pollutants from discharging from the site.

The inspector must be a person familiar with the site, the nature of the major construction activities, and qualified to evaluate both overall system performance and individual component performance. Inspector's qualifications must be entered on the Inspection Report Form. The inspector must either be someone empowered to implement modifications to this SWPPP and the pollutant control devices, if needed, in order to increase effectiveness to an acceptable level, or someone with the authority to cause such things to happen. Additionally, the inspector shall be properly authorized in accordance with the applicable General Permit to conduct and certify site storm water inspections.

- H. This SWPPP must be updated each time there are significant modifications to the pollutant prevention system or a change of contractors working on the project that disturb site soil.
- I. Discharge of oil or other hazardous substances into storm water or the storm water (storm sewer) system is subject to reporting and cleanup requirements. See Section V. B. 7 of this SWPPP for state and local information on reporting spills. Refer to the General Permit for additional information. A Copy of the General Permit is included as Section 12.
- J. Once the site reaches final stabilization, all permanent erosion and sedimentation controls installed and all temporary erosion and sedimentation controls removed, the General Contractor and Owner must complete a final site inspection. Upon approval by Owner, the Owner and General Contractor, as applicable, must complete and submit a CSW-NOT form. A form is included as Section 08.
- K. This SWPPP intends to control water-borne and liquid pollutant discharges by some combination of interception, sedimentation, filtration, and containment. The General Contractor and subcontractors implementing this SWPPP must remain alert to the need to periodically refine and update the SWPPP in order to accomplish the intended goals. The General Contractor is ultimately responsible for all site conditions and permit compliance.
- L. This SWPPP must be amended as necessary during the course of construction in

order to keep it current with the pollutant control measures utilized at the site. Amending the SWPPP does not mean that it has to be reprinted. It is acceptable to add addenda, sketches, new sections, and/or revised drawings. The Site Map showing the locations of all storm water controls must be posted at the site and updated to reflect the progress of construction and changes to the SWPPP.

- M. A record of the dates when major ground-disturbing activities occur, when construction activities temporarily or permanently cease on a portion of the site, and when stabilization measures are initiated must be maintained until the CSW-NOT is filed. A log for keeping such records is included as Section 09. Controls must be in place down slope of ground-disturbing activities prior to the commencement of construction and noted on the Site Map and Record of Stabilization and Construction Activity Dates.
- N. A log of all inspections by federal, state, or local storm water or other environmental agencies shall be kept in the General Contractor's SWPPP. The log form can be found in Section 11 and should include the date and time of visit and whether a report was issued or will be issued as a result of the inspection. Any reports issued will be faxed to the City of Lincoln, at (402) 441-6576, Attention: Craig Aldridge.



## City of Lincoln - Engineering Services

### SECTION 05

#### CONTRACTOR CERTIFICATION FORM

City Paving Project 541028 – Country Meadows Neighborhood

949 West Bond St., Ste. 200 • 441-7711/441-6576 (fax)  
[www.lincoln.ne.gov](http://www.lincoln.ne.gov)

CONTRACTOR  
CERTIFICATIONS

City of Lincoln – Project No. 541028  
Paving Project  
Country Meadows Neighborhood  
Lincoln, Nebraska

The General Contractor and/or subcontractor(s) that will implement the pollutant control measures described in the SWPPP must be identified below. Each must sign a statement certifying that they understand the General Permit authorizing storm water discharges during construction. These statements must be maintained in the SWPPP file on site.

Contractor implementing the SWPPP:

\_\_\_\_\_  
Business Name

\_\_\_\_\_  
Business Address

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_  
Business Telephone Number

CERTIFICATION: (Note signature requirements in Part VI.G. of the NPDES General Permit.)

***"I certify under penalty of law that I understand the terms and conditions of the general National Pollutant Discharge Elimination System (NPDES) permit that authorizes the storm water discharges associated with industrial activity from the construction site identified as part of this certification."***

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Printed Name

\_\_\_\_\_  
Title



## City of Lincoln - Engineering Services

### SECTION 06

#### INSPECTION REPORT (SAMPLE FORM) WITH GENERAL CONTRACTOR'S DELEGATED INSPECTOR LETTER

City Paving Project 541028 – Country Meadows Neighborhood

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[www.lincoln.ne.gov](http://www.lincoln.ne.gov)

Weekly Storm Water Inspection Summary

Project Type and Location: \_\_\_\_\_

Inspector Name and Title: \_\_\_\_\_

Week of Inspections: \_\_\_\_\_

Storm Event >0.5" within the week: \_\_\_\_\_

Schedule Completion Date: \_\_\_\_\_ Construction Stage (circle all that apply):

Clearing/Grubbing, Rough Grading, Infrastructure Paving, Building Construction, Final Grading,  
Final Stabilization

Type of Control	Describe summary of deficiencies noted NA- if not applicable	Corrective action taken (date and description of corrective action)
<b>Structural:</b>		
Silt Fence		
Construction Exit		
Check Dam		
Storm Drain Inlet Protection		
Diversion Ditch/Berm		
Sediment Trap		

Sedimentation Pond		
Vehicle Track-Out		
Other Structural Controls		
<b><i>Non-Structural:</i></b>		
Street Cleaning		
Good Housekeeping & Waste Disposal Practices		
Equipment Wash & Maintenance Area		
Concrete Washout Area		
<b><i>Stabilization:</i></b>		
Seeding, Mulching, Geotextile, Sod, Blankets		
<b><i>Miscellaneous:</i></b>		
List Revisions to SWPPP to Reflect BMP Additions or Modifications		

I certify under penalty of perjury that all daily inspections were completed between \_\_\_\_\_ and \_\_\_\_\_. I personally prepared this inspection summary report noting the deficiencies in BMPs this week and the corrective actions taken. I certify that the information in this report is true, accurate, and complete. I am aware that there are significant penalties for perjury, including fines and imprisonment for knowing violations.

\_\_\_\_\_  
Project Superintendent

\_\_\_\_\_  
Date

City Paving Project 541028 – Country Meadows Neighborhood

# GENERAL PERMIT FOR STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITIES

## SIGNATURE DELEGATION

I, the undersigned, hereby delegate \_\_\_\_\_ Project Superintendent or Project Manager as the authorized signatory for all reports required by this permit and other information requested by the Director or authorized representative of the Director in accordance with the provisions of the General Permit.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage this system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Sincerely,

**[Principle Officer of the General Contractor]**



## City of Lincoln - Engineering Services

### SECTION 07

#### SPILL REPORT FORM

City Paving Project 541028 – Country Meadows Neighborhood

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[www.lincoln.ne.gov](http://www.lincoln.ne.gov)

Spill Report Form

Project Type and Location: \_\_\_\_\_

Spill Reported by: \_\_\_\_\_

Date/Time Spill: \_\_\_\_\_

Describe spill location and events leading to spill: \_\_\_\_\_

Material spilled: \_\_\_\_\_

Source of spill: \_\_\_\_\_

Amount spilled: \_\_\_\_\_ Amount spilled to waterway: \_\_\_\_\_

Containment or clean up action: \_\_\_\_\_

Approximate depth of soil excavation: \_\_\_\_\_

List Injuries or Personal Contamination: \_\_\_\_\_

Action to be taken to prevent future spills: \_\_\_\_\_

Modifications to the SWPPP necessary due to this spill: \_\_\_\_\_

Agencies notified of the spill: \_\_\_\_\_

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

\_\_\_\_\_  
Contractor Superintendent

\_\_\_\_\_  
Date



**SECTION 08**

**CONSTRUCTION STORM WATER NOTICE OF TERMINATION  
(CSW-NOT)**

City Paving Project 541028 – Country Meadows Neighborhood

CSW-END

Three copies of the CSW-END must be completed for the SWPPP specifications when construction activities that disturb site soil have been completed and the site has achieved final stabilization. One copy shall be forwarded to the City of Lincoln, Attention: Craig Aldridge, and one copy shall be sent to each of the following addresses:

**Nebraska Department of Environmental Quality  
Water Quality Division – Storm Quality  
1200 "N" Street, Suite 400  
PO Pox 98922  
Lincoln, Nebraska 68509  
(402) 471-2186 FAX (402) 471-2909**



Nebraska Department of Environmental Quality

Construction Storm Water Notice of Termination (CSW-NOT)

1. Termination Prerequisites

- a. Have the final stabilization requirements been met on the entire site? [See Part III.M]; YES NO
b. Has the entire Construction Activity been transferred to another operator/permittee who has received authorization under the conditions of a NPDES permit for Storm Water runoff? [See Part V] OR has coverage under an alternative NPDES permit been obtained by the same operator/permittee? YES NO

What is the alternative NPDES Permit Number? NER \_\_\_\_\_

If any of the termination prerequisite questions are answered Yes, complete the remaining NOT form.

Construction Storm Water - Notice of Termination (CSW - NOT)

2. Project Information

NPDES General Permit Number: NER110000 Permit Authorization Number: NER \_\_\_\_\_

Project Name (from original CSW-NOI): \_\_\_\_\_

3. Signature

The appropriate individuals must sign information submitted on this CSW-NOT form as required in NPDES General Permit NER110000 Part VI.D.6 or the authorization will not be terminated.

\_\_\_\_\_  
Certifying Official Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Print Certifying Official Signature

Submit this form to:

Water Quality Division
Storm Water
Suite 400, The Atrium
1200 'N' Street
PO Box 98922
Lincoln NE 68509-8922
Telephone. 402/471-4220
Fax: 402/471-2909



## City of Lincoln - Engineering Services

### SECTION 09

#### RECORD OF STABILIZATION AND CONSTRUCTION ACTIVITY DATES

City Paving Project 541028 – Country Meadows Neighborhood

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[www.lincoln.ne.gov](http://www.lincoln.ne.gov)

## SITE STABILIZATION and CONSTRUCTION ACTIVITY DATES

A record of dates when stabilization measures are initiated, when major grading activities occur, and when construction activities temporarily or permanently cease on a portion of the site shall be maintained until final site stabilization is achieved and the Construction Stormwater End Permit (CSW-END) is filed.

### MAJOR STABILIZATION AND GRADING ACTIVITIES

Description of Activity: \_\_\_\_\_  
Site Contractor: \_\_\_\_\_ Begin (date): \_\_\_\_\_ End(date): \_\_\_\_\_  
Location: \_\_\_\_\_

Description of Activity: \_\_\_\_\_  
Site Contractor: \_\_\_\_\_ Begin (date): \_\_\_\_\_ End(date): \_\_\_\_\_  
Location: \_\_\_\_\_

Description of Activity: \_\_\_\_\_  
Site Contractor: \_\_\_\_\_ Begin (date): \_\_\_\_\_ End(date): \_\_\_\_\_  
Location: \_\_\_\_\_

Description of Activity: \_\_\_\_\_  
Site Contractor: \_\_\_\_\_ Begin (date): \_\_\_\_\_ End(date): \_\_\_\_\_  
Location: \_\_\_\_\_

Description of Activity: \_\_\_\_\_  
Site Contractor: \_\_\_\_\_ Begin (date): \_\_\_\_\_ End(date): \_\_\_\_\_  
Location: \_\_\_\_\_

Description of Activity: \_\_\_\_\_  
Site Contractor: \_\_\_\_\_ Begin (date): \_\_\_\_\_ End(date): \_\_\_\_\_  
Location: \_\_\_\_\_

Description of Activity: \_\_\_\_\_  
Site Contractor: \_\_\_\_\_ Begin (date): \_\_\_\_\_ End(date): \_\_\_\_\_  
Location: \_\_\_\_\_

Description of Activity: \_\_\_\_\_  
Site Contractor: \_\_\_\_\_ Begin (date): \_\_\_\_\_ End(date): \_\_\_\_\_  
Location: \_\_\_\_\_

Description of Activity: \_\_\_\_\_  
Site Contractor: \_\_\_\_\_ Begin (date): \_\_\_\_\_ End(date): \_\_\_\_\_  
Location: \_\_\_\_\_

Description of Activity: \_\_\_\_\_  
Site Contractor: \_\_\_\_\_ Begin (date): \_\_\_\_\_ End(date): \_\_\_\_\_  
Location: \_\_\_\_\_



**City of Lincoln - Engineering Services**

## **SECTION 10**

### **CONSTRUCTION SITE NOTICE**

City Paving Project 541028 – Country Meadows Neighborhood

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[www.lincoln.ne.gov](http://www.lincoln.ne.gov)

CONSTRUCTION SITE NOTICE  
FOR THE  
NPDES GENERAL PERMIT

Contractor Firm:	
Contractor Address:	<hr/>
Contact Name & Number:	
Project Description:	

City Paving Project 541028 – Country Meadows Neighborhood



## City of Lincoln - Engineering Services

### SECTION 11

#### LOG FOR FEDERAL, STATE OR LOCAL STORM WATER OR OTHER ENVIRONMENTAL INSPECTIONS

City Paving Project 541028 – Country Meadows Neighborhood

949 West Bond St., Ste. 200 • 441-7711/441-6576 (fax)  
[www.lincoln.ne.gov](http://www.lincoln.ne.gov)

Federal, State, or Local Storm Water or other  
Environmental Inspector Site Visit Log

Inspectors Name: \_\_\_\_\_ Agency: \_\_\_\_\_

Contractors Representative Present: \_\_\_\_\_

Others Present: \_\_\_\_\_

Time and Date: \_\_\_\_\_ Report Prepared: Yes No

Inspectors Name: \_\_\_\_\_ Agency: \_\_\_\_\_

Contractors Representative Present: \_\_\_\_\_

Others Present: \_\_\_\_\_

Time and Date: \_\_\_\_\_ Report Prepared: Yes No

Inspectors Name: \_\_\_\_\_ Agency: \_\_\_\_\_

Contractors Representative Present: \_\_\_\_\_

Others Present: \_\_\_\_\_

Time and Date: \_\_\_\_\_ Report Prepared: Yes No

Inspectors Name: \_\_\_\_\_ Agency: \_\_\_\_\_

Contractors Representative Present: \_\_\_\_\_

Others Present: \_\_\_\_\_

Time and Date: \_\_\_\_\_ Report Prepared: Yes No

City of Lincoln (Craig Aldridge) and City of Lincoln Construction Services representative must be contacted following any agency inspection of the site. Caller must provide as a minimum date, inspection beginning and completion times, inspecting agency, agency inspector name, all contractor representative names, and a brief summary of any comments, observations or deficiencies noted during the inspection.

City Paving Project 541028 – Country Meadows Neighborhood



## City of Lincoln - Engineering Services

### SECTION 12

### GENERAL PERMIT

City Paving Project 541028 – Country Meadows Neighborhood

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[www.lincoln.ne.gov](http://www.lincoln.ne.gov)

**Authorization to Discharge Under the  
National Pollutant Discharge Elimination System (NPDES)  
General NPDES Permit Number NER110000  
for Storm Water Discharges from  
Construction Sites to Waters of the State of Nebraska**

This NPDES general permit is issued in compliance with the provisions of the Federal Water Pollution Control Act (33 U.S.C. Secs. 1251 *et. seq.* as amended to date), the Nebraska Environmental Protection Act (Neb. Rev. Stat. Secs. 81-1501 *et. seq.* as amended to date), and the Rules and Regulations promulgated pursuant to these Acts. Application may be made under this general permit for authorization to discharge **Storm Water** from construction sites. **Owners** or **Operators** issued a discharge authorization under this general permit are required to comply with the limits, requirements, prohibitions, and conditions set forth herein. The issuance of a discharge authorization under this general permit does not relieve **Permittees** of other duties and responsibilities under the Nebraska Environmental Protection Act, as amended, or established by regulations promulgated pursuant thereto.

**NPDES Permit Number: NER110000**

This permit shall become effective on **January 1, 2008**.

This permit and the authorization to discharge shall expire at midnight, **December 31, 2012**

Pursuant to a Delegation Memorandum dated January 12, 1999 and signed by the **Director**, the undersigned hereby executes this document on behalf of the **Director**.

Signed this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_

---

Patrick W. Rice  
Assistant Director

TABLE OF CONTENTS

<b>PART I. COVERAGE UNDER THIS PERMIT .....</b>	<b>3</b>
A. Introduction.....	3
B. Permit Area.....	3
C. Eligibility.....	5
D. Period of Coverage .....	5
<b>PART II. AUTHORIZATION FOR DISCHARGES OF STORM WATER FROM CONSTRUCTION ACTIVITY .....</b>	<b>5</b>
A. Authorization to discharge date.....	5
B. CSW Notice of Intent Contents .....	6
C. Submission Deadlines.....	6
D. Where to Submit.....	6
E. Additional Requirements .....	6
<b>PART III. STORM WATER POLLUTION PREVENTION PLANS (SWPPP) .....</b>	<b>7</b>
A. Storm Water Pollution Prevention Plan Framework .....	7
B. Pollution Prevention Plan Contents: Site and Activity Description .....	8
C. Pollution Prevention Plan Contents: Controls to Reduce Pollutants .....	8
D. Non-Storm Water Discharge Management.....	8
E. Maintenance of Controls.....	9
F. Permit Eligibility Related to Endangered Species .....	9
G. Copy of Permit Requirements.....	9
H. Applicable State, or Local Requirements .....	9
I. Inspections .....	10
J. Maintaining an Updated Plan .....	11
K. Signature, Plan Review and Making Plans Available.....	11
L. Management Practices .....	12
M. Final Stabilization.....	12
<b>PART IV. SPECIAL CONDITIONS, MANAGEMENT PRACTICES, OTHER NON-NUMERIC LIMITATIONS...</b>	<b>12</b>
A. Requiring an Individual Permit or an Alternative General Permit .....	13
B. Oil and Hazardous Substances/Spill Notification.....	13
C. Attainment of Water Quality Standards After Authorization .....	13
D. Discharges Affecting Endangered or Threatened Species.....	14
E. Discharges Affecting Historical Places or Archeological Sites.....	14
F. Activities/Discharges subject to other Applicable Regulations.....	14
G. Continuation of the Expired General Permit .....	14
<b>PART V. TERMINATION, TRANSFER OR REASSIGNMENT OF PERMIT COVERAGE .....</b>	<b>14</b>
A. Notice of Termination Requirements.....	14
B. Submitting a Notice of Termination .....	15
C. Transfer of Permit.....	15
D. Where to Submit.....	15
<b>PART VI. STANDARD CONDITIONS AND REQUIREMENTS .....</b>	<b>15</b>
A. Other Conditions.....	16
B. Procedures for Modification or Revocation.....	16
C. Timing of Permit Modification.....	16
D. Management Requirements .....	18
E. Monitoring and Records Requirements .....	18
F. General Requirements.....	18
<b>PART VII. DEFINITIONS.....</b>	<b>19</b>
Appendix A: Abbreviations.....	23
Appendix B: Listing of the Nebraska Municipal Separate Storm Sewer System NPDES Permits.....	23

## ATTACHMENTS

Attachment # 1 Construction Storm Water Notice of Intent Form (CSW-NOI)

Attachment # 2 Construction Storm Water Transfer Form (CSW-TRANSFER)

Attachment # 3 Construction Storm Water Notice of Termination Form (CSW-NOT)

Terms written in **BOLDFACE** in this permit are defined in the Definitions section of Part VII.

## PART I. COVERAGE UNDER THIS PERMIT

### A. Introduction

This permit is required and shall apply to **storm water** discharges associated with **construction activity** that causes land disturbance of equal to or greater than one acre and less than one acre if part of a larger **common plan of development or sale**. All references in this permit to **construction activity** shall be read to include both **large construction activity** and **small construction activity**. This permit authorizes the discharge of storm water from **construction activity** entering waters of the state, a **municipal separate storm sewer system (MS4)** or a **combined sewer** within the State of Nebraska. Discharges are subject to the specific terms and conditions in this permit.

This permit also authorizes **storm water** discharges from any other **construction activity**, as designated by the Director, where the designation is made based on the potential for an excursion of a water quality standard or for significant contribution of pollutants to **waters of the state**. The goal of this permit is to reduce or eliminate storm water pollution from **construction activity** by requiring implementation of appropriate pollution control practices to protect water quality.

### B. Permit Area

This permit provides **coverage** for **construction** and **support activity** throughout the State of Nebraska excluding tribal land within the State of Nebraska and as per limitations in Part I.C.3 of this permit.

### C. Eligibility

Permit eligibility is limited to discharges from **construction activity** as defined in Part VII or as otherwise designated by the Director. This general permit contains eligibility restrictions, as well as permit conditions and requirements. In such cases, you must continue to satisfy those eligibility provisions to maintain permit authorization. If you do not meet the requirements that are a pre-condition to eligibility, then resulting discharges constitute unpermitted discharges. By contrast, if you do not comply with the requirements of the general permit, you may be in violation of the general permit for your otherwise eligible discharges.

#### 1. Allowable Storm Water Discharges

Subject to compliance with the terms and conditions of this permit, you are authorized to discharge pollutants in:

- a. **Storm water** associated with **large and small construction activity** as defined in Part VII;
- b. **Storm water** discharges designated by the Director requiring a **storm water** permit under NDEQ Title 119, *Rules and Regulations Pertaining to the Issuance of Permits Under the National Pollutant Discharge Elimination System (NPDES) Chapter 2 002*;
- c. Discharges composed of allowable discharges listed in Part I.C.1.a and Part I.C.1.b commingled with a discharge authorized by a different **NPDES** permit and/or a discharge that does not require **NPDES** permit authorization; and
- d. **Storm water** discharges from **support activities** (e.g., concrete or asphalt batch plants, equipment staging yards, material storage areas, excavated material disposal areas, borrow areas) provided:

- 1) The **support activity** is directly related to the construction site required to have NPDES permit coverage for discharges of **storm water** associated with **construction activity**;
- 2) The **support activity** is not a commercial operation serving multiple unrelated construction projects by different **operators**, and does not operate beyond the completion of the **construction activity** at the last construction project it supports; and
- 3) Appropriate controls and measures are identified in a **Storm Water Pollution Prevention Plan (SWPPP)** covering the discharges from the **support activity** areas;

## 2. Allowable Non-Storm Water Discharges

You are authorized for the following non-storm water discharges, provided the non-storm water component of the discharge is in compliance with Part III.D:

- a. Discharges from fire-fighting activities;
- b. Fire hydrant flushings;
- c. Waters used to wash vehicles where detergents are not used;
- d. Water used to control dust;
- e. Potable water including uncontaminated water line flushings;
- f. Routine external building wash down that does not use detergents;
- g. Pavement wash waters where spills or leaks of toxic or hazardous materials have not occurred (unless all spilled material has been removed) and where detergents are not used;
- h. Uncontaminated air conditioning or compressor condensate;
- i. Uncontaminated ground water or spring water;
- j. Foundation or footing drains where flows are not contaminated with process materials such as solvents; and
- k. Landscape irrigation.

## 3. Limitations on Coverage

This permit does not authorize the following **storm water** runoff conditions and may be the basis for denial or termination of authorization under this general permit. The **Department** shall be consulted prior to your submission of the **CSW-NOI** if any of the following conditions apply:

- a. This permit does not authorize post-construction discharges that originate from the site after construction activities have been completed and the site has achieved **final stabilization**, including any temporary **support activity**. Post-construction **storm water** discharges from industrial sites may need to be covered by a separate NPDES permit.
- b. This permit does not authorize discharges mixed with non-storm water. This exclusion does not apply to discharges identified in Part I.C.2 provided the discharges are in compliance with Part III.D.
- c. This permit does not authorize **storm water** discharges associated with **construction activity** that have been covered under an individual NPDES permit or required to obtain **coverage** under an alternative general permit in accordance with Part IV.A.
- d. This permit does not authorize discharges that the Director, prior to authorization under this permit, determines will cause, have the reasonable potential to cause, or contribute to an excursion above any applicable water quality or groundwater quality standards. Where such a determination is made prior to authorization, NDEQ may notify you that an individual permit application is necessary in accordance with Part IV.A. However, NDEQ may authorize your **coverage** under this permit after you have included appropriate controls and implementation procedures in your **SWPPP** designed to bring your discharge into compliance with water quality standards.
- e. Storm water runoff from construction activity within the limits of any tribal lands under the jurisdiction of the United States Government, dependent tribal communities within the borders of the United States, or other tribal allotments;
- f. Non-point source agricultural and silvicultural discharges;

- g. Those storm water discharges for which storm water effluent guideline limitations apply;
  - h. Those from an operating landfill;
  - i. Storm water runoff from field activities or operations, including construction, associated with oil and gas exploration, production, processing or treatment operations or transmission facilities as dictated by NDEQ Title 119, Chapter 10.
  - j. Storm water runoff that may adversely impact critical habitat of aquatic related, threatened or endangered species as designated by Nebraska Game and Parks Commission ([www.ngpc.state.ne.us](http://www.ngpc.state.ne.us)) or the U.S. Fish and Wildlife Service ([www.fws.gov](http://www.fws.gov)).
  - k. Storm water runoff that may adversely affect properties listed or eligible for listing in the National Register of Historic Places ([www.nebraskahistory.org](http://www.nebraskahistory.org)) or affecting known or discovered archeological sites; or
  - l. Those that the Director determines would be more effectively regulated with a site specific, area specific, or a basin specific permit.
4. **Period of Coverage**
- a. This permit is effective as of the issued date and is effective for five years.
  - b. Coverage shall commence at the time discharge authorization is granted and shall continue for a period lasting at least 180 days after final stabilization and **Notice of Termination** is received for the site.
  - c. The Director can extend coverage under the permit beyond the time period specified in this section if excessive erosion problems remain at the site.

## PART II. AUTHORIZATION FOR DISCHARGES OF STORM WATER FROM CONSTRUCTION ACTIVITY

To obtain **coverage** under this general permit, you must prepare and submit a complete and accurate construction **storm water Notice of Intent (CSW-NOI)**, as described in this Part. Discharges are not authorized if your **CSW-NOI** is incomplete or inaccurate or if you were never eligible for permit **coverage**.

### A. Authorization to discharge date

1. If you submit a **CSW-NOI** after the issuance date of this permit you are authorized to discharge **storm water** from construction activities under the terms and conditions of this permit seven (7) calendar days after submittal to NDEQ of a complete and accurate **CSW-NOI** (i.e., 7 days from date of postmark), except as noted in Part II.A.2. The Department will notify you of the permit authorization in writing.
2. The **Director** may delay your authorization based on eligibility considerations of Part I.C. In these instances, you are not authorized for **coverage** under this permit until you receive notice from NDEQ of your eligibility.

### B. CSW Notice of Intent Contents

You must use the **CSW-NOI** form provided in *Attachment 1* (or a photocopy thereof or electronic **CSW-NOI** form that may become available during the term of this permit provided by NDEQ), You must provide the following information on the **CSW-NOI** form:

1. Project/Site name, address, county or similar governmental subdivision, and latitude/longitude of your construction project or site;
2. The **certifying official's** legal name, address and phone number;
3. The **SWPPP** designer name, company, address and phone number;
4. The location where the applicable **SWPPP** may be viewed;
5. A site map as described in Part III.B.1.d of this permit;
6. Name of the water(s) of the state into which your site discharges;

7. Estimated dates of commencement of **construction activity** and **final stabilization** (i.e., project start and completion dates);
8. Total acreage (to the nearest quarter acre) to be disturbed for which you are requesting permit **coverage**;
9. Any state or federally-listed threatened or endangered species, or state or federally-designated critical habitat are in your project area to be covered by this permit.
10. A certification statement, signed and dated by an **certifying official** as defined in Part VI.D.

### C. Submission Deadlines

1. **New Projects:** To obtain **coverage** under this permit, you must submit a complete and accurate **CSW-NOI** and be authorized consistent with Part II.A.1 prior to commencement of construction activities.
2. **Permitted Ongoing Projects** (only applicable for first 90 days after this permit is issued): If you previously received authorization to discharge for your project under the 1997 Construction Storm Water General Permit (CSW-1997) and you wish to continue **coverage** under this permit:
  - a. Submit an **CSW-NOI** within 90 days of the issuance date of this permit, and
  - b. Until you are authorized under this permit consistent with Part II.A, comply with the terms and conditions of the CSW-1997 general permit under which you were previously authorized.
  - c. If you meet the termination of **coverage** requirements in accordance with Part V.A within 90 days of the issuance date of this permit (e.g., construction will be finished and **final stabilization** achieved) you must:
    - 1) Submit an **CSW-NOT** using the form provided in Attachment #3, and
    - 2) Until coverage is no longer required, comply with the terms and conditions of the CSW-1997 general permit under which you were previously authorized.

### 3. Late Notifications:

You are not prohibited from submitting a **CSW-NOI** after initiating clearing, grading, excavation activities, or other construction activities. When a late **CSW-NOI** is submitted, authorization for discharges occurs consistent with Part II.A. The **Department** reserves the right to take enforcement action for any unpermitted discharges that occur between the commencement of construction and discharge authorization.

### D. Where to Submit

Original applications and forms (no photocopies or faxes) for NPDES General Permit NER110000 shall be submitted to the following address:

**Water Quality Division**  
**Storm Water**  
 Suite 400, The Atrium  
 1200 'N' Street  
 PO Box 98922  
 Lincoln Nebraska 68509-8922

### E. Additional Requirements

1. The Department may request additional information from the source:
  - a. To facilitate the review of the **CSW-NOI**;
  - b. To finalize a determination related to the granting of a discharge authorization; or
  - c. To determine whether a site specific, area specific, or basin specific permit application may be required.
2. When **storm water** is discharged through **municipal separate storm sewer systems**, applicants shall concurrently submit a copy of NPDES form **CSW-NOI** to the **operator** of the **municipal separate storm sewer system** through which they discharge. Appendix B has a listing of those municipalities that are permitted under the **Municipal Separate Storm Sewer program**.

3. Other government agencies (e.g. US Army Corps of Engineers, Local City/County Government, or the local Natural Resource District) may have additional notification requirements. Submittal of the NPDES form CSW-NOI does not relieve the applicant of responsibility to comply with the requirements of other government agencies.

## PART III. STORM WATER POLLUTION PREVENTION PLANS (SWPPP)

### A. Storm Water Pollution Prevention Plan Framework

1. A SWPPP must be prepared prior to submission of a CSW-NOI as required in Part II.B. The SWPPP must be prepared by a qualified individual such as a Professional Engineer, Certified Landscape Architect, and /or Certified Professional in **Erosion and Sediment Control**.
2. The SWPPP must:
  - a. Identify all potential sources of pollution which may reasonably be expected to affect the quality of **storm water** discharges from the construction site;
  - b. Minimize erosion on disturbed areas and minimize the discharge of sediment and other pollutants in storm water runoff;
  - c. Describe practices to be used to reduce pollutants in **storm water** discharges from the construction site; and
  - d. Assure compliance with the terms and conditions of this permit.
3. Once a definable area has achieved **final stabilization**, you may mark this on your SWPPP and no further SWPPP or inspection requirements apply to that portion of the site (e.g., earth-disturbing activities around one of three buildings in a complex are done and the area is finally **stabilized**, one mile of a roadway or pipeline project is done and finally **stabilized**, etc).
4. You must implement the SWPPP as written from commencement of **construction activity** until **final stabilization** is complete.

### B. Pollution Prevention Plan Contents: Site and Activity Description

1. The SWPPP must describe the nature of the **Construction Activity**, including:
  - a. The function of the project (e.g., low density residential, shopping mall, highway, etc.);
  - b. The intended sequence and timing of activities that disturb soils at the site;
  - c. Estimates of the total area expected to be disturbed by excavation, grading, or other construction activities, including dedicated off-site borrow and fill areas; and
  - d. A general location map (e.g., USGS quadrangle map, a portion of a city or county map, or other map) with enough detail to identify the location of the construction site and **waters of the state** within one mile of the site.
2. The SWPPP must contain legible site map(s) showing the entire site during grading, construction, and post-construction phases, identifying:
  - a. Direction(s) of **storm water** flow and approximate slopes anticipated after major grading activities;
  - b. Areas of soil disturbance and areas that will not be disturbed;
  - c. Locations of major structural and nonstructural **Best Management Practices (BMPs)** identified in the SWPPP;
  - d. Locations where stabilization practices are expected to occur;
  - e. Locations of off-site material, waste, borrow or equipment storage areas;
  - f. Locations of all **Waters of the State** (including wetlands);
  - g. Locations where **storm water** discharges to a surface water; and
  - h. Areas where **final stabilization** has been accomplished and no further construction-phase permit requirements apply.

3. The **SWPPP** must describe and identify the location and description of any **storm water** discharge associated with industrial activity other than construction at the site. This includes **storm water** discharges from dedicated asphalt plants and dedicated concrete plants, which are covered by this permit.

### C. Pollution Prevention Plan Contents: Controls to Reduce Pollutants

1. The **SWPPP** must include a description of all pollution control measures (i.e., **BMPs**) that will be implemented as part of the **Construction Activity** to control pollutants in **storm water** discharges. For each major activity identified in the project description the **SWPPP** must clearly describe appropriate control measures and the general sequence during the construction process in which the measures will be implemented.
2. The **SWPPP** must include a description of interim and permanent stabilization practices for the site including a schedule of when the practices will be implemented.
3. The following records must be maintained as part of the **SWPPP**:
  - a. Dates when major grading activities occur;
  - b. Dates when construction activities temporarily or permanently cease on a portion of the site; and
  - c. Dates when stabilization measures are initiated.
4. The **SWPPP** must include a description of structural practices to divert flows from exposed soils, retain/detain flows or otherwise limit runoff and the discharge of pollutants from exposed areas of the site.
5. The **SWPPP** must include a description of all post-construction **storm water** management measures that will be installed during the construction process to control pollutants in **storm water** discharges after construction operations have been completed. Such measures must be designed and installed in compliance with applicable federal, state, and local requirements. Maintenance plans of permanent management measures must be included in the **SWPPP**.
6. The **SWPPP** must describe measures to prevent the discharge of solid materials, including building materials and cement truck washout to **waters of the state**, except as authorized by a permit issued under section 404 of the CWA.
7. The **SWPPP** must describe measures to minimize, to the extent practicable, off-site vehicle tracking of sediments onto paved surfaces and the generation of dust.
8. The **SWPPP** must include a description of construction and waste materials expected to be stored on-site with updates as appropriate. The **SWPPP** must also include a description of controls, including storage practices, to minimize exposure of the materials to **storm water**, and **spill prevention control and countermeasure** practices.
9. The **SWPPP** must include a description of pollutant sources from areas other than construction (including **storm water** discharges from dedicated asphalt plants and dedicated concrete plants), and a description of controls and measures that will be implemented at those sites to minimize pollutant discharges.

### D. Non-Storm Water Discharge Management

The **SWPPP** must identify all allowable sources of non-**storm water** discharges listed in Part I.C.2 of this permit, except for flows from fire fighting activities that are combined with **storm water** discharges associated with **Construction Activity** at the site. Non-**storm water** discharges should be eliminated or reduced to the extent feasible. The **SWPPP** must identify and ensure the implementation of appropriate pollution prevention measures for the non-**storm water** component(s) of the discharge.

### E. Maintenance of Controls

1. All erosion and **sediment control** measures and other protective measures identified in the **SWPPP** must be maintained in effective operating condition. If site inspections required by Part III.I identify **BMPs** that are not operating effectively, maintenance must be performed within seven days and before the next storm event whenever practicable to maintain the continued effectiveness of **storm water** controls.

2. If existing **BMPs** need to be modified or if additional **BMPs** are necessary for any reason, implementation must be completed before the next storm event whenever practicable. If implementation before the next storm event is impracticable, the situation must be documented in the **SWPPP** and alternative **BMPs** must be implemented as soon as possible.
3. Sediment from sediment traps or sedimentation ponds must be removed when design capacity has been reduced by 50 percent.

#### F. Permit Eligibility Related to Endangered Species

The **SWPPP** must include documentation supporting a determination of permit eligibility with regard to Endangered Species, including:

1. Information on whether state or federally-listed endangered or threatened species, or designated critical habitat may be in the project area;
2. Whether such species or critical habitat may be adversely affected by **storm water** discharges or **storm water** discharge-related activities from the project;
3. Any correspondence for any stage of project planning between the U.S. Fish and Wildlife Service (FWS), Nebraska Game and Parks Commission (NGPC), EPA, NDEQ or others and you regarding listed species and critical habitat, including any notification that delays your authorization to discharge under this permit;
4. A description of measures necessary to protect state- and federally-listed endangered or threatened species, or state and federally-designated critical habitat. The **permittee** must describe and implement such measures to maintain eligibility for **coverage** under this permit.

#### G. Copy of Permit Requirements

Copies of this permit and of the signed and certified **CSW-NOI** form that was submitted to NDEQ must be included in the **SWPPP**. Also, upon receipt, a copy of the letter from the NDEQ notifying you of their receipt of your administratively complete **CSW-NOI** must also be included as a component of the **SWPPP**.

#### H. Applicable State, or Local Requirements

The **SWPPP** must be consistent with all applicable federal, state, or local requirements for soil and erosion control and **storm water** management, including updates to the **SWPPP** as necessary to reflect any revisions to applicable federal, state, or local requirements for soil and erosion control.

#### I. Inspections

1. Inspections must be conducted at least once every fourteen (14) calendar days, and within 24 hours of the end of a storm event of 0.5 inches or greater. Any delay in the replacement or maintenance of non-functional **BMPs** beyond seven (7) calendar days shall be documented in the **SWPPP** with sufficient detail as to explain the reason for the delay.
2. Inspection frequency may be reduced to at least once every month if:
  - a. The entire site is temporarily **stabilized**;
  - b. Runoff is unlikely due to winter conditions (e.g., site is covered with snow, ice, or the ground is frozen);
  - c. Reduced inspection frequency does not relieve the permittee of the maintenance responsibilities during interim periods.
3. Inspections must be conducted by qualified personnel (provided by the **operator** or cooperatively by multiple **operators**). "Qualified personnel" means a person knowledgeable in the principles and practice of erosion and **sediment controls** who possesses the skills to assess conditions at the construction site that could impact **storm water** quality and to assess the effectiveness of any erosion and **sediment control** measures selected to control the quality of **storm water** discharges from the **construction activity**.

4. Inspections must include all areas of the site disturbed by **construction activity** and areas used for storage of materials that are exposed to precipitation. Inspectors must look for evidence of, or the potential for, pollutants entering the **storm water** conveyance system. Erosion and **sediment control** measures identified in the **SWPPP** must be observed to ensure proper operation. Discharge locations must be inspected to ascertain whether control measures are effective in preventing significant impacts to **waters of the state**, where accessible. Where discharge locations are inaccessible, nearby downstream locations must be inspected to the extent that such inspections are practicable. Locations where vehicles enter or exit the site must be inspected for evidence of off-site sediment tracking.
5. Utility line installation, pipeline construction, and other examples of long, narrow, linear construction activities may limit the access of inspection personnel to the areas described above. Inspection of these areas could require that vehicles compromise temporarily or even permanently **stabilized** areas, cause additional disturbance of soils, and increase the potential for erosion. In these circumstances, controls must be inspected on the same frequencies as other construction projects, but representative inspections may be performed. For representative inspections, personnel must inspect controls along the construction site for 0.25 mile above and below each access point where a roadway, undisturbed right-of-way, or other similar feature intersects the construction site and allows access to the areas described above. The conditions of the controls along each inspected 0.25 mile segment may be considered as representative of the condition of controls along that reach extending from the end of the 0.25 mile segment to either the end of the next 0.25 mile inspected segment, or to the end of the project, whichever occurs first.
6. For each inspection required above, you must complete an inspection report. At a minimum, the inspection report must include:
  - a. The inspection time and date;
  - b. Names, titles, and qualifications of personnel making the inspection;
  - c. Weather information for the period since the last inspection (or since commencement of **construction activity** if the first inspection) including a best estimate of the beginning of each storm event, duration of each storm event, approximate amount of rainfall for each storm event (in inches), and whether any discharges occurred;
  - d. Weather information and a description of any discharges occurring at the time of the inspection;
  - e. Location(s) of discharges of sediment or other pollutants from the site;
  - f. Location(s) of **BMPs** that need to be maintained;
  - g. Location(s) of **BMPs** that failed to operate as designed or proved inadequate for a particular location;
  - h. Monitoring results if requested;
  - i. Records of the last grading activity;
  - j. Location(s) where additional **BMPs** are needed that did not exist at the time of inspection; and
  - k. Corrective action required including any changes to the **SWPPP** necessary and implementation dates.

A record of each inspection and of any actions taken must be retained as part of the **SWPPP** for at least three years from the date that permit **coverage** expires or is terminated. The inspection reports must identify any incidents of non-compliance with the permit conditions. Where a report does not identify any incidents of non-compliance, the report must contain a certification that the construction project or site is in compliance with the **SWPPP** and this permit. The report must be signed in accordance with Part VI.D.6 of this permit.

## J. Maintaining an Updated Plan

1. The **SWPPP**, including the site map, must be amended whenever there is a change in design, construction, operation, or maintenance at the construction site that has or could have a significant effect on the discharge of pollutants to **waters of the state** that has not been previously addressed in the **SWPPP**.
2. The **SWPPP** must be amended if during inspections or investigations by site staff, or by local, state, or federal officials, it is determined that the **SWPPP** is ineffective in eliminating or significantly minimizing pollutants in **storm water** discharges from the construction site.

3. Based on the results of an inspection, the **SWPPP** must be modified as necessary to include additional or modified **BMPs** designed to correct problems identified. Revisions to the **SWPPP** must be completed within seven (7) calendar days following the inspection. Implementation of these additional or modified **BMPs** must be accomplished as described in Part III.E.

#### K. Signature, Plan Review and Making Plans Available

1. A copy of the **SWPPP** (including a copy of the permit), **CSW-NOI**, and the letter from **NDEQ** notifying you of the receipt of the complete and accurate **CSW-NOI** must be retained at the construction site or other location easily accessible during normal business hours. The **SWPPP** must be made available upon request to Federal, State, and local agencies, from the date of commencement of construction activities to the date of **final stabilization**.
2. A sign or other notice must be posted conspicuously near the main entrance of the construction site. If displaying near the main entrance is infeasible, the notice can be posted in a local public building such as the town hall or public library. The sign or other notice must contain the following information:
  - a. A copy of the completed **CSW-NOI** as submitted to the **NDEQ**; and
  - b. If the location of the **SWPPP** or the name and telephone number of the contact person for scheduling **SWPPP** viewing times has changed (i.e., is different than that submitted to **NDEQ** in the **CSW-NOI**), the current location of the **SWPPP** and name and telephone number of a contact person for scheduling viewing times. For linear projects, the sign or other notice must be posted at a publicly accessible location near the active part of the construction project (e.g., where a pipeline project crosses a public road).

#### L. Management Practices

1. All control measures must be properly selected, installed, and maintained in accordance with any relevant manufacturer specifications and good engineering practices. If periodic inspections or other information indicates a control has been used inappropriately, or incorrectly, the **operator** must replace or modify the control for site situations as soon as practicable.
2. If sediment escapes the construction site, off-site accumulations of sediment must be removed at a frequency sufficient to minimize off-site impacts. Sediment escaping the construction site indicates there may be insufficient **BMPs** to control runoff.
3. Litter, construction debris, and construction chemicals that could be exposed to **storm water** must be prevented from becoming a pollutant source in **storm water** discharges.
4. Except as provided below, stabilization measures must be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, but in no case more than 14 days after the **construction activity** in that portion of the site has temporarily or permanently ceased.
  - a. Where stabilization by the 14th day is precluded by snow cover or frozen ground conditions, stabilization measures must be initiated as soon as practicable.
  - b. Where **construction activity** on a portion of the site is temporarily ceased, and earth disturbing activities will be resumed within 14 days, temporary stabilization measures do not have to be initiated on that portion of the site.
  - c. In semiarid and drought-stricken areas where initiating perennial vegetative stabilization measures is not possible within 14 days after **construction activity** has temporarily or permanently ceased, final vegetative stabilization measures must be initiated as soon as practicable.
5. Velocity dissipation devices must be placed at discharge locations and along the length of any **outfall** channel to provide a non-erosive flow velocity from the structure to a water course so that the natural physical and biological characteristics and functions are maintained and protected (e.g., no significant changes in the hydrological regime of the receiving water).

## M. Final Stabilization

The Permittee shall be responsible for ensuring that **final stabilization** is accomplished on all non-**impervious surfaces** of the authorized construction site prior to submitting form CSW-NOT.

1. Coverage under this permit is normally terminated 180 calendar days after:
  - a. All soil disturbing **construction activity** has been completed;
  - b. A uniform perennial vegetative cover with a minimum density of 70 percent of the native background vegetative cover, has been established on all non-**impervious surfaces** and areas not covered by permanent structures unless equivalent permanent stabilization (such as riprap, gabions, and geotextiles) measures have been employed;
  - c. All permanent drainages, constructed to drain water from the site, has been **stabilized** to prevent erosion;
  - d. All **temporary erosion protection** and **sediment control BMPs** have been removed without compromising the permanent erosion protection and **sediment control BMPs**;
  - e. All sediment build-up has been removed from conveyances and basins that are to be used as permanent water quality management **BMPs**. The cleanout of permanent basins used as temporary **BMPs** during construction shall be sufficient to return the basin to design capacity.
  - f. Responsibility for long-term maintenance of permanent **BMPs** must be assigned.
  - g. Construction activity conducted on or through agricultural or silvicultural land shall be considered finally **stabilized** upon return to the preexisting agriculture or silviculture use;
  - h. **Construction activity** conducted at new industrial facilities that will operate the site in an exposed manner (such as limestone mining and solid waste landfills) shall be considered finally **stabilized** upon commencement of industrial activity consistent with the industrial use and **coverage** under the appropriate NPDES permit for industrial **storm water**.

## PART IV. SPECIAL CONDITIONS, MANAGEMENT PRACTICES, OTHER NON-NUMERIC LIMITATIONS

### A. Requiring an Individual Permit or an Alternative General Permit

1. NDEQ may require you to apply for and/or obtain either an individual NPDES permit or an alternative NPDES general permit. Any interested person may petition NDEQ to take action under this paragraph. If NDEQ requires you to apply for an individual NPDES permit, NDEQ will notify you in writing that a permit application is required. This notification will include a brief statement of the reasons for this decision and an application form. In addition, if you are an existing **permittee** covered under this permit, the notice will set a deadline to file the application, and will include a statement that on the effective date of issuance or denial of the individual NPDES permit or the alternative general permit as it applies to you, **coverage** under this general permit will automatically terminate. Applications must be submitted to NDEQ. NDEQ may grant additional time to submit the application upon your request. If you are covered under this permit and you fail to submit in a timely manner an individual NPDES permit application as required by NDEQ, then the applicability of this permit to you is automatically terminated at the end of the day specified by NDEQ as the deadline for application submittal.
2. You may request to be excluded from the **coverage** of this general permit by applying for an individual permit. In such a case, you must submit an individual application in accordance with the requirements of NDEQ Title 119, with reasons supporting the request to NDEQ. The request may be granted by issuance of an individual permit or an alternative general permit if your reasons are adequate to support the request.
3. When an individual NPDES permit is issued to you, who are otherwise subject to this permit, or you are authorized to discharge under an alternative NPDES general permit, the applicability of this permit to you is automatically terminated on the effective date of the individual permit or the date of authorization of **coverage** under the alternative general permit, whichever the case may be. If you, who are otherwise subject to this permit, are denied an individual NPDES permit or an alternative NPDES general permit,

the applicability of this permit to you is automatically terminated on the date of such denial, unless otherwise specified by NDEQ.

## B. Oil and Hazardous Substances/Spill Notification

The discharge of hazardous substances or oil in **storm water** discharges from the construction site must be prevented or minimized in accordance with the **SWPPP**. This permit does not authorize the discharge of hazardous substances or oil resulting from an on-site spill. The **Permittee** shall conform to the provisions set forth in NDEQ Title 126, *Rules and Regulations Pertaining to the Management of Wastes* and federal reporting requirements of 40 CFR Part 110, 40 CFR Part 117 and 40 CFR Part 302 relating to spills or other releases of oil or hazardous substances.

If the **permittee** knows, or has reason to believe, that a release containing a hazardous substance or oil in an amount equal to or in excess of a reportable quantity established under NDEQ Title 126, 40 CFR Part 110, 40 CFR Part 117 and 40 CFR Part 302, occurs during a 24-hour period:

1. **Permittee** shall immediately notify the **Department** of a release of oil or hazardous substances. During office hours (i.e., 8:00 a.m. to 5:00 p.m., Monday through Friday, except holidays), notification shall be made to the **Department** at telephone numbers (402) 471-2186 or (877) 253-2603 (toll free).
2. When NDEQ cannot be contacted, the **Permittee** shall report to the Nebraska State Patrol for referral to the NDEQ Emergency Response Team at telephone number (402) 471-4545. It shall be the **Permittee's** responsibility to maintain current telephone numbers necessary to carry out the notification requirements set forth in this paragraph.
3. **Permittee** must modify the **SWPPP** as required under Part III.J within 7 calendar days of knowledge of the release to: provide a description of the release, the circumstances leading to the release, and the date of the release. Plans must identify measures to prevent the reoccurrence of such releases and to respond to such releases.

## C. Attainment of Water Quality Standards After Authorization

1. You must select, install, implement and maintain **BMPs** at your construction site that minimize pollutants in the discharge as necessary to meet applicable water quality standards. In general, except in situations explained in this section, your **SWPPP** developed, implemented, and updated consistent with Part III is considered as stringent as necessary to ensure that your discharges do not cause or contribute to an excursion above any applicable water quality standard.
2. At any time after authorization NDEQ may determine that your **storm water** discharges may cause, have reasonable potential to cause, or contribute to an excursion above any applicable water quality standard. If such a determination is made, NDEQ will require you to:
  - a. Develop a supplemental BMP action plan describing **SWPPP** modifications in accordance with Part III to address adequately the identified water quality concerns;
  - b. Submit valid and verifiable data and information that are representative of ambient conditions and indicate that the receiving water is attaining water quality standards; or
  - c. Cease discharges of pollutants from **Construction Activity** and submit an individual permit application according to Part IV.A.

All written responses required under this part must include a signed certification from the **certifying official**.

## D. Discharges Affecting Endangered or Threatened Species

This permit does not replace or satisfy any review requirements for Endangered or Threatened species from new or expanded discharges that adversely impact or contribute to adverse impacts on a listed endangered or threatened species or adversely modify a designated critical habitat. The **owner** must conduct any required review and coordinate with appropriate agencies for any project with the potential of affecting threatened or endangered species, or their critical habitat.

#### E. Discharges Affecting Historical Places or Archeological Sites

This permit does not replace or satisfy any review requirements for Historic Places or Archeological Sites, from new or expanded discharges which adversely affect properties listed or eligible for listing in the National Register of Historic Places or affecting known or discovered Archeological Sites. The **owner** must be in compliance with National Historic Preservation Act and conduct all required review and coordination related to historic preservation, including significant anthropological sites and any burial sites, with the Nebraska Historic Preservation Officer. You must comply with all applicable state, and local laws concerning the protection of historic properties and places, your discharge authorization under this permit is contingent upon this compliance.

#### F. Activities/Discharges subject to other Applicable Regulations

This permit does not replace or satisfy any other applicable regulatory requirements that the applicant/**permittee** is subject to. The initiator of any controlled/regulated activity is the sole responsible party for obtaining authorization or permit **coverage** and for maintaining compliance with any applicable laws, regulations or rules that may apply to their activities.

#### G. Continuation of the Expired General Permit

If this permit is not reissued or replaced prior to the expiration date, it will be administratively continued in accordance with the Administrative Procedure Act and remain in force and effect. If you were granted permit coverage prior to the expiration date, you will automatically remain covered by the continued permit until reissuance or replacement of this permit, at which time you must comply with the conditions of Part II C.2; or

1. Submit of a Notice of Termination form; or
2. Apply for coverage under an individual permit for the project's discharges; or
3. If NDEQ determines a general permit will not be reissued, you must seek coverage under an alternative general permit or an individual permit.

### PART V. TERMINATION, TRANSFER OR REASSIGNMENT OF PERMIT COVERAGE

#### A. Notice of Termination Requirements

You may only submit a **Notice of Termination (NOT)** after one or more of the following conditions have been met:

1. **Final stabilization** has been achieved on all portions of the site for which you are responsible;
2. Another **operator** has assumed control according to Part VI.D.6 over all areas of the site that have not been finally **stabilized**;
3. **Coverage** under an individual or alternative general NPDES permit has been obtained; or
4. For residential construction only, **temporary erosion protection** has been completed and the residence has been reassigned to the homeowner.

The **CSW-NOT** must be submitted within 30 days of one of the above conditions being met. Authorization to discharge terminates at midnight of the day the **CSW-NOT** is signed.

#### B. Submitting a Notice of Termination

It is your responsibility to submit a complete and accurate **Notice of Termination (CSW-NOT)** form *Attachment #3*. If NDEQ notifies dischargers (either directly, by public notice, or by making information available on the Internet) of other **CSW-NOT** form options (e.g., electronic submission), you may take advantage of those options to satisfy the requirements of Part V.

1. After one or more of the **Notice of Termination Requirements** in Part V.A has been met, submit the following information to the NDEQ:
  - a. The NPDES permit authorization number for the storm water discharge;

- b. The basis for submission of the **CSW-NOT**, including: **final stabilization** has been achieved on all portions of the site for which the **permittee** is responsible; another **operators/permittee** has assumed control over all areas of the site that have not been finally **stabilized**; **coverage** under an alternative **NPDES** permit has been obtained; or, for residential construction only, **temporary erosion protection** has been completed and the residence has been transferred to the homeowner;
- c. The **Certifying Official's** legal name, address and phone number;
- d. The name of the project, address (or a description of location if no street address is available), and county of the construction site for which the notification is submitted; and
- e. A certification statement signed and dated by a **certifying official**.

### C. Transfer of Permit

When responsibility for **storm water** discharges at a construction site changes from one entity to another, the **permittee** shall submit a completed Notice of Transfer, *Attachment #2*, that is signed in accordance with Part VI.D.6 of this permit.

1. The Notice of Transfer (CSW-Transfer), *Attachment # 2*, includes:
  - a. Permit certification number;
  - b. Name, location, and county for the construction site for which the CSW-Transfer is being submitted;
  - c. Identifying information for the new **permittee**;
  - d. Identifying information for the current permittee; and
  - e. Effective date of transfer;
2. Other Requirements of a Permit Transfer:
  - a. If the **storm water** discharge, associated with **construction activity**, is covered by this permit then the new **owner(s)** shall comply with all terms and conditions of this permit.
  - b. A copy of the CSW-Transfer shall be included in the SWPPP.
  - c. A CSW-NOI shall be submitted to NDEQ by the new owner(s).
  - d. For **construction activity** which is part of a larger **common plan of development**, if the **permittee** transfers ownership of all or any part of property subject to this permit, both the **permittee** and transferee shall be responsible for compliance with this permit for that portion of the project which has been transferred including when the transferred property is less than one acre in area.
  - e. If the new **owner(s)** agree in writing to be solely responsible for compliance with this permit for the property that has been transferred, then the existing **permittee(s)** authorization shall be terminated.

### D. Where to Submit

All paperwork must be submitted to the following address:

**Water Quality Division**  
**Storm Water**  
 Suite 400, The Atrium  
 1200 'N' Street  
 PO Box 98922  
 Lincoln, Nebraska 68509-8922

## PART VI. STANDARD CONDITIONS AND REQUIREMENTS

These general conditions shall not preempt any more stringent requirements found elsewhere in this permit.

### A. Other Conditions

1. Narrative Limits
 

Discharges authorized under this permit;

  - a. Shall not be toxic to aquatic life in surface waters of the state;

- b. Shall not contain pollutants at concentrations or levels that produce objectionable films, colors, turbidity, deposits, or noxious odors in the receiving stream or waterway; and
  - c. Shall not contain pollutants at concentrations or levels that cause the occurrence of undesirable or nuisance aquatic life in the receiving stream.
2. Inspection and Entry

The **permittee** shall allow the **Director** or his appointed representative, upon the presentation of his identification and at a reasonable time:

- a. To enter upon the **permittee's** premises where a regulated **construction activity** is located or conducted, or records are required to be kept under the terms and conditions of this permit;
  - b. To have access to and copy any records required to be kept under the terms and conditions of this permit;
  - c. To inspect any facilities, equipment (including monitoring and control), practices or operations regulated or required in this permit; and
  - d. To sample or monitor any substances or parameters at any location.
3. Changes in Discharge

Any revision in the size of **construction activity** (such as the addition of disturbed acres not previously identified under the original CSW-NOI form), which will result in new or substantially increased discharges of pollutants or a change in the nature of the discharge of pollutants must be reported by the **permittee** seven (7) calendar days prior to the expansion, increases or modifications by submitting a modification of the original form CSW-NOI or by submitting a new form CSW-NOI. Permit authorization may be modified or revoked and reissued as a result of this notification to maintain compliance with applicable state or federal regulations.

## **B. Procedures for Modification or Revocation**

Permit modification or revocation will be conducted according to Title 119, Chapter 24.

If there is evidence indicating that the **storm water** discharges authorized by this permit cause, have the reasonable potential to cause or contribute to an excursion above any applicable water quality standard, you may be required to obtain an individual permit in accordance with Part IV.A of this permit, or the permit may be modified to include different limitations and/or requirements.

## **C. Timing of Permit Modification**

1. NDEQ may elect to modify the permit prior to its expiration (rather than waiting for the new permit cycle) to comply with any new statutory or regulatory requirements, such as for effluent limitation guidelines, that may be promulgated in the course of the current permit cycle.

## **D. Management Requirements**

1. Duty to Comply

All authorized discharges shall be consistent with the terms and conditions of this permit. The **Permittee** shall comply with all conditions of this permit. Failure to comply with these conditions may be grounds for administrative action or enforcement proceedings including injunctive relief and civil or criminal penalties. The filing of a request by the **Permittee** for a permit modification, revocation and re-issuance, termination or a notification of planned changes or anticipated noncompliance does not stay any permit condition.

2. Duty to Mitigate

The **Permittee** shall take all reasonable steps to minimize, prevent or correct any adverse impact to the environment resulting from noncompliance with this permit, including such accelerated or additional monitoring as required by the NDEQ to determine the nature and impact of the noncompliant discharge.

3. Duty to Provide Information

The **Permittee** shall furnish to the **Department** within seven (7) calendar days, any information which the **Department** may request to determine whether cause exists for modifying, revoking and reissuing, or terminating permit **Coverage**; or to determine compliance with this permit. The **Permittee** shall also furnish to the **Department** upon request, copies of records retained as a requirement of this permit.

4. Reporting Requirements

The **Permittee** shall be responsible for reporting any instance of non-compliance with the terms and conditions of this permit in accordance with NDEQ Title 119, Chapter 14. In most instances, initial notification shall be made as soon as the **Permittee** becomes aware of the non-compliance. A written follow-up shall be submitted within five (5) days of reporting the non-compliance. The submittal of a written noncompliance report does not relieve the **Permittee** of any liability from enforcement proceedings that may result from the violation of permit or regulatory requirements. The written notice shall include, at a minimum:

- a. A description of the discharge and cause of noncompliance;
- b. The period of noncompliance, including exact dates and times, or if not corrected, the anticipated time the noncompliance is expected to continue; and
- c. The steps taken to reduce, eliminate, and prevent the reoccurrence of the noncompliance.

5. Proper Operation and Maintenance

The **Permittee** shall, at all times, maintain in good working order and operate as efficiently as possible, any facilities or systems of control installed by the **Permittee** in order to achieve compliance with the terms and conditions of this permit. This would include, but not be limited to, effective performance based on designed facility removals, effective management, adequate **Operator** staffing and training, adequate laboratory and process controls, and adequate funding that reflects proper user fee schedules.

6. Signatory Requirements

All reports and applications required by this permit or submitted to maintain compliance with this permit shall be signed and certified as set forth in this section.

- a. Permit applications shall be signed by a **certifying official** who meets the following criteria:
  - 1) For a corporation: a **responsible corporate officer**;
  - 2) For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or
  - 3) For a municipality, state, federal or other public facility: by either a principal executive officer or ranking elected official, chief executive officer of the agency, or a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency.
- b. The discharge monitoring reports and other information may be signed by the **certifying official**.
- c. The **certifying official** designates an **authorized representative**. The **authorized representative** is responsible for the overall implementation of the SWPPP (i.e., the general contractor).
- d. Any change in the signatories shall be submitted to the **Department**, in writing, within seven (7) days after the change, but no later than with the submission of information required by the **Department** to be submitted while the new signatory has taken responsibility.
- e. All applications, reports and information submitted as a requirement of this permit, shall contain the following certification statement:

*"I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations."*

## E. Monitoring and Records Requirements

1. Routine periodic monitoring of storm water discharges is not required unless requested by the Department. Monitoring may be required by the Department for any of the following reasons:
  - a. The identification of potential ground and / or surface water quality impacts to which the permittee may be contributing;
  - b. The failure by the permittee to implement pollution prevention or pollution control procedures set forth in the SWPPP;
  - c. The recognition of potential pollutant sources during site inspections or investigations; and/or
  - d. To obtain information for watershed basin or industry group studies.
  
2. Retention of Records  
The Permittee shall retain records of all monitoring activities for a period of at least three years as set forth in NDEQ Titles 119, Chapter 14 001.02. The types of records that must be retained include, but are not limited to:
  - a. Calibration and maintenance records;
  - b. Original strip chart recordings;
  - c. Copies of all reports required by this permit;
  - d. Monitoring records and information; and
  - e. Electronically readable data.
  
3. Record Contents  
As set forth in NDEQ Title 119, Chapter 14, records of sampling or monitoring information shall include:
  - a. The date(s), exact place, time and methods of sampling or measurements;
  - b. The name(s) of the individual(s) who performed the sampling or measurements;
  - c. The date(s) the analyses were performed;
  - d. The individual(s) who performed the analyses;
  - e. The analytical techniques or methods used;
  - f. The results of such analyses; and
  - g. Laboratory data, bench sheets and other required information.

## F. General Requirements

1. Permit Attachments  
The attachments to this permit (e.g., forms and guidance) may be modified without a formal modification of the permit.
2. Information Available  
All permit applications, fact sheets, permits, discharge data, monitoring reports, and any public comments concerning such shall be available to the public for inspection and copying, unless such information about methods or processes is entitled to protection as trade secrets of the **Owner** or **Operator** under Neb. Rev. Stat. §81-1527, (Cum. Supp. 1992) and NDEQ Title 115, Chapter 4.
3. Permit Actions  
This permit may be modified, suspended, revoked or reissued, in part or in whole, in accordance with the regulations set forth in NDEQ Titles 119, Chapter 24. In addition, this permit may be modified, revoked and reissued to incorporate standards or limitations issued pursuant to Sections 301(b)(b)(c), 301(b)(b)(d), 304(b)(b), 307(a)(b), or 405(d) of the Clean Water Act and Public Law 100-4.

4. Property Rights

**Coverage** under this permit does not convey any property rights of any sort or any exclusive privileges nor does it authorize any damage to private property or any invasion of personal rights nor any infringement of federal, state or local laws or regulations.

5. Severability

If any provision of this permit is held invalid, the remainder of this permit shall not be affected.

6. Other Rules and Regulations Liability

The issuance of this permit in no way relieves the obligation of the **Permittee** to comply with other rules and regulations of the **Department**.

7. Penalties

Nothing in this permit shall preclude the initiation of any legal action or relieve the **Permittee** from any responsibilities, liabilities or penalties under Section 311 of the Clean Water Act. Violations of the terms and conditions of this permit may result in the initiation of criminal and/or civil actions. Civil penalties can result in fines of up to \$10,000.00 per day (Neb. Rev. Stat. §81-1508, as amended to date). Criminal penalties for willful or negligent violations of this permit may result in penalties of \$10,000.00 per day or by imprisonment. Violations may also result in federal prosecution.

## PART VII. DEFINITIONS

**Authorized Representative:** Individual or position designated the authorization to submit reports, notifications, or other information requested by the **Director** on behalf of the **Owner** under the circumstances that the authorization is made in writing by the **Owner**, the authorization specifies the individual or position who is duly authorized, and the authorization is submitted to the **Director**.

**Best Management Practices (BMPs):** Erosion and **Sediment Control** and water quality management practices that are the most effective and practicable means of controlling, preventing, and minimizing degradation of surface water, including avoidance of impacts, construction-phasing, minimizing the length of time soil areas are exposed, prohibitions, and other management practices published by state or designated area-wide planning agencies.

### Certifying Official

- For a corporation. By a **Responsible Corporate Officer**, which means:
  - A president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision making functions for the corporation, or
  - The manager of one or more manufacturing, production, or operating facilities, provided the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.
- For a partnership or sole proprietorship: By a general partner or proprietor, respectively.
- For a municipality, State, Federal, or other public agency.
  - By either a principal executive officer of the agency, or
  - A senior executive officer having responsibility for the operations of a principal geographic unit of the agency.

- Combined Sewer System (CSO):** Is defined as a collection system that collects both **Storm Water** and sanitary wastewater with **outfalls** discharging directly into the **Waters of the State**.
- Common Plan of Development or Sale:** A contiguous area where multiple separate and distinct land disturbing activities may be taking place at different times, on different schedules, but under one proposed plan. One plan is broadly defined to include design, permit application, advertisement or physical demarcation indicating that land-disturbing activities may occur.
- Construction Activity:** Includes **Large Construction Activity** and **Small Construction Activity**. This includes a disturbance to the land that results in a change in the topography, existing soil cover (both vegetative and non-vegetative), or the existing soil topography that may result in accelerated **Storm Water** runoff, leading to soil erosion and movement of sediment into **Waters of the State** or urban drainage systems. **Construction Activity** includes the disturbance of less than one acre of total land area that is a part of a larger **Common Plan of Development or Sale** if the larger common plan will ultimately disturb one (1) acre or more and includes all areas of **Support Activity**.
- Coverage:** A **Permittee** status of compliant operation under the terms and conditions of this general permit once a **Discharge Authorization Number** has been obtained until that authorization is terminated.
- Department:** Nebraska Department of Environmental Quality.
- Director:** The **Director** of the Nebraska Department of Environmental Quality.
- Discharge Authorization Number:** A specific authorization number (NER 1xx xxx) issued to a specific **Permittee** that meets the application requirements for **Coverage** under this general permit.
- Erosion Prevention:** Measures employed to prevent sediment from moving from its existing location including but not limited to: soil stabilization practices, limited grading, mulch, temporary or permanent cover, and construction phasing.
- Final Stabilization:** Condition where all soil disturbing activities at the site have been completed and a uniform perennial vegetative cover with a minimum density of 70 percent of the native background vegetative cover has been established on all non-**Impervious Surfaces** and areas not covered by permanent structures unless equivalent permanent stabilization (such as riprap, gabions, or geotextiles) measures have been employed.
- Impervious Surface:** A constructed hard surface that either prevents or retards the entry of water into the soil and causes water to flow off the surface in greater quantities and at an increased rate of flow than prior to development (such as streets, sidewalks, parking lots, roofs, and in some cases highly compacted soil).
- Large Construction Activity:** Is the clearing, grading and excavating resulting in a land disturbance that will disturb equal to or greater than five acres of land or will disturb less than five acres of total land area but is part of a larger **Common Plan of Development or Sale** that will ultimately disturb equal to or greater than five acres. Large Construction Activity does not include routine maintenance that is performed to maintain the original line and grade, hydraulic capacity, or original purpose of the site.
- Municipal Separate Storm Sewer System (MS4)** is a separate **storm water** sewer system in urbanized cities and counties as having populations of 10,000 or greater as determined by the Bureau of Censes 1990 Decennial Censes.
- National Pollutant Discharge Elimination System (NPDES):** Program for issuing, modifying, revoking, reissuing, terminating, monitoring, and enforcing permits under the Clean Water Act (Sections 301, 318, 402, and 405) and C.F.R. Title 33, Sections 1317, 1328, 1342, and 1345.
- Notice of Termination (CSW-NOT):** Notice to terminate **Coverage** under this permit after construction is completed, the site has undergone **Final Stabilization**, and maintenance agreements for all permanent facilities have been established, in accordance with all applicable conditions of this permit.
- Operator:** Person (often the general contractor) designated by the **Owner**, who has day-to-day operational control and/or the ability to modify project plans and specifications related to the **SWPPP**. The person shall be knowledgeable in those areas of the permit for which the **Operator** is responsible.
- Outfall:** A discernible, confined and discrete conveyance, including but not limited to any pipe, ditch, channel, tunnel, conduit, well, discrete fissure, or container from which pollutants from **Construction Activity** are or may be discharged into **Waters of the State**.

**Owner:** Person or party possessing the title of the land on which the construction activities will occur; or if the **Construction Activity** is for a lease holder, the party or individual identified as the lease holder; or the contracting government agency responsible for the **Construction Activity**.

**Permittee:** Person(s), firm, or governmental agency or other institution that signs the application submitted to the **Department** and is responsible for compliance with the terms and conditions of this permit.

**Receiving Waters:** A general term used to describe all **Waters of the State**. **Responsible Corporate Officer:** means the **Owner** or **Operator** meeting either of the following conditions: A president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision making functions for the corporation, or the manager of one or more manufacturing, production, or operating facilities, provided, the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long term environmental compliance with environmental law as and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.

**Sediment Control:** Methods employed to prevent sediment from leaving the construction site after it has eroded from its existing location. **Sediment Control** practices include silt fences, sediment traps, earth dikes, drainage swales, check dams, subsurface drains, pipe slope drains, storm drain inlet protection, and temporary or permanent sedimentation basins.

**Silvicultural Discharges:** "Silvicultural point source" means any discernible, confined, and discrete conveyance related to rock crushing, gravel washing, log sorting, or log storage facilities which are operated in connection with silvicultural activities and from which pollutants are discharged into **Waters of the State**. The term does not include nonpoint source silvicultural activities such as nursery operations, site preparation, reforestation and subsequent cultural treatment, thinning, prescribed burning, pest and fire control, harvesting operations, surface drainage, and road construction and maintenance from which there is natural runoff during precipitation events.

**Small Construction Activity:** Is the clearing, grading, and excavation that result in land disturbance of equal to or greater than one acre and less than five acres including disturbance of less than one acre of total land area that is part of a larger **Common Plan of Development or Sale** if the larger common plan will ultimately disturb equal to or greater than one and less than five acres. **Small Construction Activity** does not include routine maintenance that is performed to maintain the original line and grade, hydraulic capacity, or original purpose of the facility.

**Spill Prevention Control and Countermeasure (SPCC):** Federal regulation set forth in 40 CFR 112 requiring a **SPCC** Plan to be developed for facilities that store fuels and hazardous substances that meet the following criteria:

- Above ground fuel storage with the capacity for at least 660 gallons.
- Two or more above ground fuel storage tanks with the capacity for at least 1,320 gallons.
- Below ground fuel storage tanks with the capacity for at least 42,000 gallons.

**Stabilized:** Exposed ground surface has been covered by appropriate materials such as mulch, staked sod, riprap, wood fiber blanket, established grass bed, or other material that prevents erosion from occurring.

**Storm Water:** Storm water runoff, snow melt runoff, and surface runoff and drainage.

**Storm Water Pollution Prevention Plan (SWPPP):** A plan for **Storm Water** discharge that includes **Erosion Prevention** measures and **Sediment Controls** that, when implemented, will decrease soil erosion on a parcel of land and decrease off-site, non-point source pollution.

**Support Activity:** Associated **Construction Activity** that is directly related to the construction site (such as concrete or asphalt batch plants, equipment staging yards, material storage areas, excavated material disposal areas, borrow areas) required to have **NPDES** permit **Coverage** for discharges of **Storm Water** that may be located on site or in a remote location, but is not a commercial operation serving multiple unrelated construction projects by different operators nor operates beyond the completion of the **Construction Activity** at the last construction project it supports.

**Temporary Erosion Protection:** Methods employed to temporarily prevent erosion during the construction sequence or while **Final Stabilization** is being established. Examples of **Temporary Erosion Protection** include; straw, mulch, wood chips, and erosion netting.

**Total Maximum Daily Load (TMDL):** The sum of the individual wasteload allocations (WLAs) for point sources and load (Load Allocations) for nonpoint sources and natural background levels for a specific pollutant. The **Department** establishes **TMDLs** that are expressed in terms of either mass per unit of time, relative level of toxicity, or other appropriate measure.

**Toxic Pollutant:** Pollutants or combination of pollutants, including disease causing agents, after discharge and upon exposure, ingestion, inhalation, or assimilation into an organism, either directly from the environment or indirectly by ingestion through food chains will, on the basis of information available to the **Department**, cause death, disease, behavioral abnormalities, cancer, genetic mutations, physiological malfunction (including malfunctions in reproduction) or physical deformations, in such organisms or their offspring.

**Waters of the State:** All waters within the jurisdiction of this state including all streams, lakes, ponds, impounding reservoirs, marshes, wetlands, watercourses, waterways, wells, springs, irrigation systems, drainage systems, and all other bodies or accumulations of water, surface and underground, natural or artificial, public or private, situated wholly or partly within or bordering upon the state.

## Appendix A: Abbreviations

BMP: Best Management Practice(s)  
CFR: Code of Federal Regulations  
CSO: Combined Sewer Overflow  
CSW: Construction Storm Water  
CSW-NOI: Notice of Intent  
CSW-NOT: Notice of Termination  
NDEQ: Nebraska Department of Environmental Quality  
NDEQ Title 115: *Rules of Practice and Procedure*  
NDEQ Title 117: *Nebraska Surface Water Quality Standards*  
NDEQ Title 118: *Ground Water Quality Standards and Use Classification*  
NDEQ Title 119: *Rules and Regulations Pertaining to the Issuance of Permits under the National Pollutant Discharge Elimination System*  
NDEQ Title 126: *Rules and Regulations Pertaining to the Management of Wastes*  
NDEQ Title 132: *Integrated Solid Waste Management Regulations*  
NPDES: National Pollutant Discharge Elimination System  
SPCC: Spill Prevention, Control, and Countermeasures  
SWPPP: Storm Water Pollution Prevention Plan  
TMDL: Total Maximum Daily Load

## Appendix B: Listing of the Nebraska Municipal Separate Storm Sewer System NPDES Permits

### Cities

Beatrice  
Bellevue  
Boys Town  
Columbus  
Dakota City  
Fremont  
Grand Island  
Hastings  
Kearney  
La Vista  
Lexington  
Norfolk  
North Platte  
Omaha  
Papillion  
Ralston  
Scottsbluff  
South Sioux City

### Counties

Douglas  
Dakota  
Sarpy

### Federal Facility

Offutt Air Force Base

### State of Nebraska Facilities

Nebraska Department of Roads  
University of Nebraska – Lincoln



# Nebraska Department of Environmental Quality

## Construction Storm Water Notice of Intent (CSW-NOI)

Readiness to Apply (Circle "yes" or "no" as it applies to this project)

Does a reasonable potential exist for permit authorization to be limited? [Part I.C.3] YES NO  
 If the answer to this question is Yes, contact NDEQ at 402-471-4220 before proceeding with this CSW-NOI.

### Storm water Pollution Prevention Plan (SWPPP) Part III

a. Has a Storm Water Pollution Prevention Plan been developed for this project? YES NO  
 b. Has a qualified individual [Part III A] prepared the SWPPP? YES NO

Has the following been incorporated into the SWPPP?

c. Site and activity descriptions as per Part III.B; YES NO  
 d. Sediment and pollution control measures and record keeping as per Part III.C; YES NO  
 e. Erosion prevention measures and record keeping as per Part III.C; YES NO  
 f. Inspections, maintenance of BMPs and associated record keeping as per Part III.E, I-J; YES NO  
 g. Final stabilization addressed as per Part III.M; YES NO  
 h. Does the SWPPP include documentation supporting a determination of permit eligibility with regards to endangered and threatened species and critical habitat? YES NO  
 (Guidance is available on the NDEQ website: [www.deq.state.ne.us](http://www.deq.state.ne.us))

If any questions in Storm Water Pollution Prevention Plan (SWPPP), "a - h" above, have been answered No, complete those requirements before proceeding with this CSW-NOI.

### A. Construction Site Description

- a. Project Name: \_\_\_\_\_
- b. Physical Address and County (Indicate general location description if no address is available):  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_
- c. Project Type: Residential \_\_\_ Commercial/Industrial \_\_\_ Linear \_\_\_ Other \_\_\_\_\_
- d. Project Size: Total Area (acres): \_\_\_\_\_ Area to be disturbed (acres): \_\_\_\_\_
- e. Identify surface waters within 1/2 mile of project boundary that will received storm water or discharge from permanent storm water management system.  
 \_\_\_\_\_  
 \_\_\_\_\_
- f. Name of Receiving Waters (Add attachments if more than two (2) bodies of water and/or Outfalls): \_\_\_\_\_  
 Waterbody Type \_\_\_\_\_ (ditch, pond, stream, river etc.).

g. Legal Description <sup>(1)</sup>: \_\_\_\_\_ Quarter of the \_\_\_\_\_ Quarter,  
 \_\_\_\_\_ Section \_\_\_\_\_, Township \_\_\_\_\_ N, Range \_\_\_\_\_ (E or W)

(1) Applicants may enter a legal description in terms other than those requested. For example: N1/2, Section 8, Township 8 N, Range 6 W.

h. Include a general location map with enough detail to identify the location of the construction site and waters of the state within one mile of the site. Has the map been included? **YES** **NO**  
 (e.g., USGS 7.5 minute quad map, a portion of a city or county map, or equivalent map)

i. SWPPP Designer, company, address and phone number:

_____	_____
First and Last Name	Company Name
_____	_____
Mailing Address	City, State, Zip Code
_____	_____
Phone Number	Email

j. SWPPP Location:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

k. Project start date (approximate): \_\_\_\_\_

l. Project end date (estimated): \_\_\_\_\_

m. List any state or federally-listed threatened or endangered species, or state or federally-designated critical habitat that is in your project area to be covered by this permit.

\_\_\_\_\_  
 \_\_\_\_\_

n. For sites previously authorized under a Construction Storm Water (CSW) permit **and** undergoing a transfer of **owner and / or certifying official**. List the previous NPDES CSW Permit Number:  
 NER 1 \_\_\_\_\_.

**C. Certification**

The appropriate individuals must sign information submitted on this CSW-NOI form as required in NPDES General Permit NER110000 Part VI.D.6, and below or the application will not be authorized. If more than one certifying official, submit multiple copies of the following information.

All permit applications shall be signed as per Title 119, Chapter 13 *Applications; Signatories* as follows:

002.01 For a corporation. By a **Responsible Corporate Officer**, which means:

- A president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision making functions for the corporation, or
- The manager of one or more manufacturing, production, or operating facilities, provided the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.

002.02 For a partnership or sole proprietorship: By a general partner or proprietor, respectively.

002.03 For a municipality, State, Federal, or other public agency.

- By either a principal executive officer of the agency, or
- A senior executive officer having responsibility for the operations of a principal geographic unit of the agency.

Certifying Official:

*"I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations."*

Certifying Official / Date: \_\_\_\_\_ / \_\_\_\_\_

**Certifying Official, company name, address, and phone number:**

_____	_____
First and Last Name	Company Name/Applicant
_____	_____
Phone Number	Title
_____	_____
Mailing Address	City, State, Zip Code

Certifying Official #2 (optional) / Date: \_\_\_\_\_ / \_\_\_\_\_

**Certifying Official #2, company name, address, and phone number:**

_____	_____
First and Last Name	Company Name/Applicant
_____	_____
Phone Number	Title
_____	_____
Mailing Address	City, State, Zip Code

**Authorized Representative, company name, address, and phone number:**

_____	_____
First and Last Name	Company Name
_____	_____
Phone Number	Title
_____	_____
Mailing Address	City, State, Zip Code

Submit this form to:

**Water Quality Division**  
**Storm Water**  
 Suite 400, The Atrium  
 1200 'N' Street  
 PO Box 98922  
 Lincoln NE 68509-8922



# Nebraska Department of Environmental Quality

## Construction Storm Water Notice of Transfer (CSW-Transfer)

*These prerequisite requirements must be completed prior to completing the CSW-TRANSFER form.*

### 1. Transfer Prerequisites:

- a. Has the current **owner** and/or **permittee** of the **Construction Activity** provided the new **owner** and/or **permittee** with a copy of the NPDES General Permit Number NER110000? YES NO
- b. Has the new **owner** and/or **permittee** been made aware that they must submit a Notice of Intent (CSW-NOI) to the **Department** and a copy of the CSW-NOI to the Municipality within whose jurisdiction they are located? (See Appendix B for a list of municipalities to whom this is relevant) YES NO
- c. Has the new owner and/or permittee been made aware of their responsibility to fulfill all requirements of the permit? YES NO
- d. Have all violations (if any) of this permit authorization been disclosed to the new **owner** and/or **permittee**? YES NO

*If "NO" has been answered to any of the above, fulfill these requirements before submitting the completed CSW-TRANSFER.*

### 2. Permit & Property Description for Transfer

- a. Construction Storm water General Permit Authorization Number site is currently operating under: NER1 \_\_\_\_\_.
- b. Current Project Name (as submitted on the CSW-NOI):  
\_\_\_\_\_  
\_\_\_\_\_
- c. Transfer Portion Information - Identification of the transferred portion of the property (such as a single lot, lot size, lot number, utility right of way, easement, etc.):  
\_\_\_\_\_  
\_\_\_\_\_
- d. Property Transfer Size: Total Acres \_\_\_\_\_; Acres remaining after transfer: \_\_\_\_\_
- e. Current Applicant Name: \_\_\_\_\_  
Certifying Official Name: \_\_\_\_\_  
*(These must be the same as on the original CSW-NOI listed in 2.a, b above)*
- f. Mailing Address: \_\_\_\_\_  
\_\_\_\_\_  
Telephone Number: (\_\_\_\_) \_\_\_\_\_ (optional) E-Mail: \_\_\_\_\_
- g. Effective Date of Property Transfer: \_\_\_\_\_

3. New Information for Portion of Site Transferred

The Certifying Official shall provide the Department and the Municipality within which they operate copies of this form with the following Project Information:

- a. New Project Name: \_\_\_\_\_
- b. New Owner and/or Permittee Information:
  - 1) Company Name: \_\_\_\_\_
  - 2) Certifying Official Name \_\_\_\_\_
  - 3) Certifying Official's Title \_\_\_\_\_
  - 4) Mailing Address \_\_\_\_\_
  - \_\_\_\_\_
  - 5) Telephone Number: (\_\_\_\_) \_\_\_\_\_, E-Mail \_\_\_\_\_ (optional)

c. Signatures:

For an permittee transferring authorization of any portion of the Construction Activity to a new permittee:

- 1) Current Certifying Official / Date: \_\_\_\_\_ / \_\_\_\_\_
- 2) New Certifying Official / Date: \_\_\_\_\_ / \_\_\_\_\_

*I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.*

Submit this form to:

**Water Quality Division**  
**Storm Water**  
Suite 400, The Atrium  
1200 'N' Street  
PO Box 98922  
Lincoln NE 68509-8922

Both parties must keep copies of this form. The party from whom the authorization is transferred must submit the original CSW-TRANSFER to the Department and the Municipality within which the construction project is located (see Appendix B for a list of municipalities). Also give the new holder of the authorization a copy of the CSW-TRANSFER.



Nebraska Department of Environmental Quality

Construction Storm Water Notice of Termination (CSW-NOT)

1. Termination Prerequisites

- a. Have the final stabilization requirements been met on the entire site? [See Part III.M]; YES NO
b. Has the entire Construction Activity been transferred to another operator/permittee who has received authorization under the conditions of a NPDES permit for Storm Water runoff? [See Part V] OR has coverage under an alternative NPDES permit been obtained by the same operator/permittee? YES NO

What is the alternative NPDES Permit Number? NER \_\_\_\_\_

If any of the termination prerequisite questions are answered Yes, complete the remaining NOT form.

Construction Storm Water - Notice of Termination (CSW - NOT)

2. Project Information

NPDES General Permit Number: NER110000 Permit Authorization Number: NER \_\_\_\_\_

Project Name (from original CSW-NOI): \_\_\_\_\_

3. Signature

The appropriate individuals must sign information submitted on this CSW-NOT form as required in NPDES General Permit NER110000 Part VI.D.6 or the authorization will not be terminated.

Certifying Official Signature

Date

Print Certifying Official Signature

Submit this form to:

Water Quality Division
Storm Water
Suite 400, The Atrium
1200 'N' Street
PO Box 98922
Lincoln NE 68509-8922
Telephone. 402/471-4220
Fax: 402/471-2909