

NUCOR
BAR MILL GROUP

PLYMOUTH DIVISION

SW1094
Div of Waste Management
and Radiation Control

APR 16 2021

DSHW - 2021-005933

April 12, 2021

Ty L. Howard, Director
Division of Waste Management and Radiation Control
P.O. Box 144880
Salt Lake City, UT 84114-4880

Re: Nucor Steel Class IIIb Landfill Renewal Application

Dear Mr. Howard,

Nucor is hereby providing a Class IIIb Landfill Renewal Application to meet permitting requirements as necessary to continue operating our existing landfill. The documents include and hard copy and electronic copy.

If you have any questions or concerns regarding this application, please contact the undersigned at (435) 458-2365 or shawn.reiss@nucor.com.

Sincerely,



Shawn Reiss, CHMM
Environmental Specialist

Enclosure – Permit application and CD

SW094
Div of Waste Management
and Radiation Control

APR 16 2021

**NUCOR STEEL
A DIVISION OF NUCOR CORPORATION
PLYMOUTH, UTAH**

**CLASS IIIb LANDFILL PERMIT APPLICATION
(Permit Renewal)**

March 2021 Revision

Utah Class III Landfill Permit Application Form

Part I General Information APPLICANT: PLEASE COMPLETE ALL SECTIONS.

I. Landfill Type	<input type="checkbox"/> Class IIIa <input checked="" type="checkbox"/> Class IIIb	II. Application Type	<input type="checkbox"/> New Application <input checked="" type="checkbox"/> Renewal Application	<input type="checkbox"/> Facility Expansion <input type="checkbox"/> Modification
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For Renewal Applications, Facility Expansion Applications and Modifications Enter Current Permit Number 0001R1

III. Facility Name and Location

Name of Facility Nucor Steel			
Site Address (street or directions to site) West Cemetery Road			County Box Elder
City Plymouth		Zip Code 84330	Telephone 435-458-2300
Township 13 N	Range 3 W	Section(s) 9	Quarter/Quarter Section Quarter Section
Main Gate Latitude degrees 41	minutes 52	seconds 35	Longitude degrees 112
		minutes 11	seconds 46

IV. Facility Owner(s) Information

Name of Facility Owner Nucor Steel			
Address (mailing) PO Box 100			
City Plymouth		State UT	Zip Code 84330
		Telephone 435-458-2300	

V. Facility Operator(s) Information

Name of Facility Operator Nucor Steel			
Address (mailing) PO Box 100			
City Plymouth		State UT	Zip Code 84330
		Telephone 435-458-2300	

VI. Property Owner(s) Information

Name of Property Owner Nucor Steel			
Address (mailing) PO Box 100			
City Plymouth		State UT	Zip Code 84330
		Telephone 435-458-2300	

VII. Contact Information

Owner Contact Doug Jones		Title Environmental Department Manager	
Address (mailing) PO Box 100			
City Plymouth		State UT	Zip Code 84330
		Telephone 435-458-2300	
Email Address doug.jones@nucor.com		Alternative Telephone (cell or other) 435-279-0539	
Operator Contact Same as Above		Title	
Address (mailing)			
City		State	Zip Code
		Telephone	
Email Address		Alternative Telephone (cell or other)	
Property Owner Contact Same as Above		Title	
Address (mailing)			
City		State	Zip Code
		Telephone	
Email Address		Alternative Telephone (cell or other)	

Utah Class III Landfill Permit Application Form

Part I General Information (Continued)																																									
VIII. Waste Types (check all that apply)	IX. Facility Area																																								
<input checked="" type="checkbox"/> All types of non-hazardous industrial waste generated by the facility OR the following specific waste types <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Waste Type</td> <td style="width: 33%;">Combined Disposal Unit</td> <td style="width: 33%;">Monofill Unit</td> </tr> <tr> <td><input type="checkbox"/> Construction & Demolition</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/> Industrial</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/> Incinerator Ash</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/> Animals</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/> Asbestos</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/> Other _____</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </table>	Waste Type	Combined Disposal Unit	Monofill Unit	<input type="checkbox"/> Construction & Demolition	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Industrial	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Incinerator Ash	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Animals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Asbestos	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<table style="width: 100%; border: none;"> <tr> <td style="width: 80%;">Facility Area.....</td> <td style="width: 10%; text-align: center;">35</td> <td style="width: 10%; text-align: right;">acres</td> </tr> <tr> <td>Disposal Area.....</td> <td style="text-align: center;">35</td> <td style="text-align: right;">acres</td> </tr> <tr> <td>Design Capacity</td> <td></td> <td></td> </tr> <tr> <td> Years.....</td> <td style="text-align: center;">15</td> <td></td> </tr> <tr> <td> Cubic Yards.....</td> <td style="text-align: center;">0</td> <td></td> </tr> <tr> <td> Tons.....</td> <td style="text-align: center;">0</td> <td></td> </tr> </table>		Facility Area.....	35	acres	Disposal Area.....	35	acres	Design Capacity			Years.....	15		Cubic Yards.....	0		Tons.....	0	
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I HEREBY CERTIFY THAT THIS INFORMATION AND ALL ATTACHED PAGES ARE CORRECT AND COMPLETE.																																									
Signature of Authorized Owner Representative		Title VP & General Manager																																							
		Date 4-12-2021																																							
Chris Locke Name typed or printed		Address West Cemetery Rd., Plymouth UT 84330																																							
Email Address Chris.Locke@nucor.com	Alternative Telephone (cell or other) 435-458-2301																																								
Signature of Authorized Land Owner Representative (if applicable)		Title																																							
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Email Address	Alternative Telephone (cell or other)																																								

Reiss, Shawn (NSUT)

From: support@utah.gov
Sent: Monday, April 12, 2021 8:22 AM
To: Reiss, Shawn (NSUT)
Subject: [EXT] Order confirmation

This message came from outside of Nucor.

Your order 7234850 for the amount of \$100.00 has been successfully processed.

Order Details

Order Number: 7234850
Order Date: Apr 12, 2021

Product Name	Quantity	Price Each
Permit Filing, Renewals & Modifications	1	\$100.00

Additional Information: Nucor Steel Class IIIb Landfill Permit Renewal Application for Permit number 0001R1. Mailed 12April2021

Your uploaded file(s):

Thank you for your purchase.

APR 16 2021

**NUCOR STEEL
A DIVISION OF NUCOR CORPORATION
PLYMOUTH, UTAH
CLASS IIIb LANDFILL PERMIT APPLICATION
(Permit Renewal)**

March 2021 Revision

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Attachment 7	Training and Safety Plan
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1.0 Introduction

Nucor Steel owns and operates a steel recycling facility in northern Utah near the town of Plymouth in Box Elder County. A location map is included in Attachment 1.

Construction of the facility began in the late 1970's, with operation beginning in 1980. A permit to operate a landfill was issued by the State of Utah Department of Health, Division of Environmental Health, dated April 15, 1980. Some permit changes have occurred over time since the issuance of the original permit. The most recent permit change was a renewed permit with an effective date of November 15, 2011. The permit expires November 14, 2021. A renewal application is required at least 180 days prior to permit expiration. This document is being submitted to meet that requirement.

In addition to operation of the landfill for nonhazardous waste disposal, Nucor retains a vendor to provide dumpsters located around the plant. The vendor periodically empties the dumpsters and hauls the waste to a municipal landfill. Nucor intends to continue to utilize this service, which provides Nucor dual capabilities for waste disposal.

The landfill operated at the Nucor facility meets the definition of a Class IIIb landfill as described in the regulations. The landfill is a noncommercial landfill that receives only industrial nonhazardous solid waste generated at Nucor's facility.

This renewal application does not propose any changes from that already permitted.

1.1 General Information

The landfill will be operated by the following:

Nucor Steel
PO Box 100
West Cemetery Road
Plymouth, Utah 84330

The landfill is located on property owned by Nucor, the landfill applicant, within approximately 700 acres of scrap steel recycling operations. Nucor is the responsible party for landfill operations and future closure.

1.2 General Description

Landfill operations have historically been conducted in the southwestern corner of the property owned by Nucor. Nucor intends to continue operations in this area of the property for the duration of operations. A site plan of the portion of Nucor property where the landfill is located is included as Attachment 3.

The landfill over the life of operation will encompass as much as 35 acres. The landfill area to be used from this date forward is generally the same area as used in historical landfill operations. Nucor believes that the historical landfill area can be better utilized for space reduction and that there are areas that can be again used for landfill material. The particular areas to be reused are areas in which large demolition materials, primarily large chunks of concrete, were deposited. The reuse of this space will minimize the area impacted by landfill operations.

1.3 Legal Description

The landfill is to be operated on property owned by Nucor Steel. Proof of ownership of the property is included as Attachment 4. Nucor will continue to operate the landfill in a portion of this property as shown in Attachment 3.

The property owned by Nucor is unzoned. Property surrounding the Nucor operations in all directions is also not zoned.

There is a deed restriction for the landfill area that limits future use of the property to non-residential.

1.4 Types of Waste

The waste to be deposited in the landfill is waste generated exclusively on-site associated with steel making and auxiliary operations. This waste has historically been deposited in the landfill since the beginning of operations. The types of waste to be deposited on a regular and continual basis are as follows:

- a) personal use items, such as carry-out containers from the on-site cafeteria
- b) packaging materials for parts and supplies associated with operation of the plant
- c) building components
- d) refractory brick determined to be nonhazardous
- e) waste material from rail car cleaning
- f) scrap wood, i.e. dunnage, crates, pallets
- g) dirty rags, used gloves, worn or scraped non-steel or non-recyclable steel equipment/parts, filter media, etc.

Other waste that may periodically be placed in the landfill includes the following:

- a) mill scale if containing debris making it nonmarketable
- b) electric arc furnace slag in a form that is nonmarketable¹
- c) other nonhazardous and/or nonregulated waste
- d) remediated contaminated soil.

The landfill design includes two types of cells that may be used for any of the above materials.

The types of waste that **will not** be deposited in the landfill are as follows:

- a) containers containing free liquids, except non-regulated such as partially empty pop bottles, etc.,
- b) media containing free liquids,
- c) regulated hazardous waste, and other prohibited regulated waste.

The determination of whether a material is defined as hazardous or non-hazardous is determined by sampling, MSDS of the product, or by generator knowledge.

¹Electric Arc Furnace Slag is specifically exempt from regulation by R315-304-1(2)(c) UAC. This slag is present on-site in stockpiles, sold as outside sales by a contractor as a product, and used around the Nucor facility for road base and other purposes. Some slag that cannot be marketed may be placed in the landfill. Also, slag will continue to be used at the landfill to construct roadways and to aid in erosion control.

1.5 Noncommercial Landfill Demonstration

Commercial solid waste is defined in the regulations as “ *all types of solid waste generated by stores, offices, restaurants, warehouses, and other nonmanufacturing activities, excluding household waste and industrial waste.*”

Industrial solid waste is defined as “*any solid waste generated at a manufacturing or other industrial facility that is not a hazardous waste. Industrial solid waste includes waste from the following manufacturing processes and associated activities: electric power generation, fertilizer or agricultural chemicals, food and related products and by-products, inorganic chemicals, iron and steel manufacturing, leather and leather products, nonferrous metals manufacturing or foundries,*”

Nucor does not accept waste from any outside entities of any type including household garbage that could be brought in by employees. All wastes directed to the landfill are generated on site as part of the manufacturing process and associated operations related to the manufacture of steel products. There are no fees associated with disposal of materials. There is no revenue generated by operation of the landfill and the cost for operating the landfill is borne by Nucor as an operating cost related to the manufacture of steel products. The landfill is not a type of LLC or other independent operating unit. The landfill, in itself, is not operated for profit.

2.0 Plan of Operation

2.1 Intended Schedule of Construction

The landfill is currently constructed and operating as allowed under the current Landfill Permit (Attachment 2). Nucor will continue to operate this landfill in the same general area. A new landfill will not be constructed. However, continual construction of active landfill pits or cells within the overall area will be part of routine operation. Small landfill pits will be constructed in the area for depositing waste. Alternatively, the large cell may be used instead of a series of small cells.

2.2 Waste Handling Procedures

As part of the initial orientation of new employees, and the periodic refresher training for existing employees, Nucor conducts training on the types of waste at its facility and the proper disposal methods for the waste. Proper use of the landfill is included in this training. In addition, discussions with supervisors of various departments within this facility are periodically conducted to maintain continual control of the waste being directed toward the landfill.

Nucor assigns overall responsibility of the landfill to one person. Currently, this person is an independent contractor who has the authority to inspect and reject any load that is intended to be deposited in the landfill. This pre-deposit procedure may be used during periods when the landfill has abnormally high use, such as when special demolition projects occur, or during semi-annual shutdowns. In these cases the contractor may assign a person to be at the landfill full time for the purposes of waste inspections. During normal day to day operations, however, the landfill use is limited with very little, or perhaps no waste, is deposited in the landfill. For this normal circumstance, it is not practical to have an inspector assigned to the landfill full time. Instead, an inspection by the contractor is conducted of any waste deposited in the landfill at the end of the day. If any material is discovered that should not have been disposed in the landfill, it is removed and transferred to a proper disposal location.

The independent contractor also maintains daily site records. An example site record is contained in Attachment 5.

Waste will be received at the landfill in a variety of containers and load sizes. Typical containers carrying waste to the landfill include small barrels carried in pickup trucks, buckets of front end loaders, 10-wheeled dump trucks, and other receptacles carried by fork lifts.

At the landfill, the vehicle carrying the load backs down a ramp and places the waste in the bottom of the pit. Placing the waste in the bottom of the pit limits windblown litter and fugitive emissions.

The material deposited in the landfill will be inspected daily by the landfill operator. Any material that should not have been deposited in the landfill will be removed, and appropriate Nucor personnel will be notified.

The landfill operator will determine if cover should be applied at the end of the day under the following conditions:

- 1) Is garbage² present?
- 2) Is litter present that may become windblown?
- 3) Is fine material present that may become fugitive dust?

If any of the above conditions exist, daily cover of approximately 6 inches of earth will be applied.

Some steel or non-ferrous metals may be removed from the landfill and placed in stockpiles for future recycling.

The amount and type of material placed in the landfill are recorded on forms daily, and a minimum of one daily inspection of the landfill is and will be completed. An example of a daily landfill tracking form is included in Attachment 5.

2.3 Contingency Plan for Fire or Explosion

No purposeful burning will occur at the landfill. In the event that an accidental fire occurs at the landfill, the fire will be extinguished through the use of a water truck, or by applying earthen cover. Several water trucks are operated at the facility and are readily available for firefighting purposes. Depending on the type of fire, covering the fire through the use of available on-site front-end loaders or dozers may also be done. These fires would be extinguished as they are discovered.

It is highly unlikely that an explosion would occur at the Nucor landfill, since very little methane-producing waste is landfilled. The endangerment to the public and Nucor personnel and contractors from an explosion is minimal due to the remoteness of the site from the public and Nucor's operations.

2.4 Groundwater Contamination Corrective Action Program

No groundwater contamination could reasonably be expected from operation of the landfill at Nucor. The waste entering the landfill is managed to control materials that enter the site as described in previous sections.

In addition, groundwater is not near the surface at the Nucor property. Four wells are located on property owned by Nucor. As part of the initial construction of this plant, Nucor drilled three of these wells. Through review of the Well Drillers Log for the wells, it is found that initial encounters with groundwater

² Garbage is defined as "discarded animal and vegetable wastes and animal and vegetable wastes resulting from the handling, preparation, cooking and consumption of food, and of such character and proportion as to be capable of attracting or providing food for vectors..."

were found at depths ranging from 43 feet to 117 feet. A spring is also located on Nucor property at an elevation of approximately 150 feet below the elevation of the landfill.

As a Class IIIb landfill, no groundwater monitoring program is required. Given the types of material placed in the landfill and the landfill management program used, a groundwater contamination corrective action program will not be necessary.

2.5 Other Releases

No other releases from the Nucor landfill are expected. As discussed in previous sections, gases are not of concern because of the limited amount of organic material that would be placed in the landfill.

The monofill area has been designed to include runoff/runoff controls and a final cover system for final closure. Details of these systems are shown on Figure 1 in Attachment 6.

The active landfill area is a limited number of pits at any one time. Once a pit has been filled to design capacity, a new pit is excavated and the prior pit is recovered and reclaimed. Surface water cannot leave the pits, and the amount of surface water entering the existing and newly constructed pits is and will be limited by constructing water control/diversion structures. A runoff collection system is not needed.

2.6 Fugitive Dust Control

The landfill at Nucor is a small component of activities at the Nucor site. Fugitive dust control is an ongoing activity at the site, and the practices are applied at the Nucor landfill. Nucor operates under conditions specified in an air quality permit issued by the Utah Division of Air Quality. This permit requires fugitive emission controls plant wide, and limits fugitive dust from the landfill to 20 percent opacity as determined by EPA Method 9. Daily cover will also be used as needed to control dust.

2.6.1 Fugitive Roadway Emissions

The primary method of controlling fugitive dust from roadways leading to the landfill is to cover the roads with road base made from electric arc furnace slag. Slag is superior to other unpaved surfaces for dust control because the material does not readily grind into smaller particles that become airborne.

There is limited vehicle traffic to the landfill. This, alone, limits the amount of fugitive roadway emissions, and provides a long life for the slag used as a surfacing material. Nucor imposes plant-wide speed limits for all vehicles, which further controls fugitive roadway emissions.

In addition, Nucor provides plant-wide continuous dust control through the use of a water truck when weather conditions permit. The water truck operates plant wide, including the landfill, applying water to areas generating the greatest emissions.

2.6.2 Fugitive Emissions from Construction and Operation

Fugitive emissions generated from landfill construction and general operations are limited because these types of operations are infrequent. Construction activities include only the excavation of new pits, and new pit construction will occur only approximately once or twice per year, if the smaller of the two designed pits are used. New pit construction may not occur for many years if the larger pit design is used. Pit construction is generally completed using a single piece of equipment, such as a backhoe or dozer, to excavate the pit. Other construction operations include road construction to new pit areas. Since the terrain in the area of the landfill is generally flat, road construction is basically limited to the laying of a slag

surface described in the previous section. Construction activities are limited and cause very minimal fugitive emissions.

Emissions from operation of the landfill are also minimal. Operations comprise depositing materials in the landfill, which generally is not a fugitive emission source. If daily cover is applied, it involves the application of only a minimal amount of material using a single piece of equipment, typically a dozer. The daily cover is typically applied once per day on days when cover is warranted, and is completed in a relatively short period of time. Final cover of a pit requires additional equipment operating time; however, final cover is completed very infrequently. Emissions from landfill operations are minimal, and are already regulated by existing environmental quality requirements.

2.7 Hazardous Waste

As described in Section 1.4 of this document, procedures and practices are in place to ensure that hazardous waste does not enter the landfill.

2.8 Disease Vector Control

Disease vectors include animals such as rodents, birds, and insects that may carry disease from a landfill. Disease is primarily a concern when garbage is deposited in a landfill attracting vectors as a food source. Garbage is material derived from animal or vegetable wastes, or from the preparation of food.

The Nucor landfill does contain some garbage, primarily in the form of food waste from an on-site cafeteria carry-out containers. Waste from the cafeteria itself is not deposited in the landfill, but rather placed in dumpsters and hauled off-site to a municipal landfill.

Disease vector control will be accomplished by providing daily cover, on those days when garbage is placed in the landfill.

2.9 Alternative Waste Handling Plan

The Nucor landfill is used as a supplement to waste handling at the Nucor facility. Many types of waste are shipped off-site according to the characterization of the waste. Nucor retains the use of a waste disposal service that provides dumpsters located throughout the facility. The service provider regularly picks up the dumpsters and transports the waste to a municipal landfill. Nucor employees are encouraged to use the dumpsters. Material accepted at the Nucor landfill is the same type of material that can be placed in the dumpsters.

2.10 Training and Safety Plan

The training and safety plan for the Nucor landfill is included as Attachment 7.

2.11 Compliance with Industrial Solid Waste Landfill Requirements

Section R315-304-3(2) and the current operating permit define the Nucor landfill as a Class IIIb landfill. The Nucor landfill is not open to the general public, and it receives only nonhazardous industrial waste.

2.11.1 Location Standards

The existing Nucor landfill meets the location standards required for a Class IIIb landfill. A brief summary of the location requirements is in the following subsections.

- Class IIIb landfills are restricted from being located in a flood plain. The Nucor landfill is located on elevated terrain. See the location map in Attachment 1 for location and elevation details.
- Class IIIb landfills are restricted from being located in wetland areas. The Nucor landfill is not located in a wetland area.
- Class IIIb landfills are required to be located at least 5 feet above the historical high ground water elevation. Nucor has drilled three wells on the site property. The shallowest groundwater encountered in these wells was at greater than 40 feet from the surface. The maximum excavation depth for the new monofill and existing waste cells is 20 feet below existing grade. Previous excavations in and around the existing landfill have provided no evidence of groundwater. Based on this information, the landfill is located more than 5 feet above groundwater.

2.11.2 General Requirements (R315-304)

Applicable requirements contained in R315-302-2(2)(a) through (k), as described in R314-304, are addressed in various subsections of Section 2 of this document.

2.11.2.1 Closure and Post-Closure Care Plans

2.11.2.1.1 Closure Plan

All waste material placed in the landfill will be covered with a minimum of 2 feet of final earthen cover once the cell has reached capacity. The earthen cover will blend with the surrounding terrain and will be sloped so that water does not pond on top of the area.

Any remaining sloped areas that may be found on the outskirts of the landfill area will be regarded to a 3:1 slope, or flatter, to minimize erosion and to assist in the success of revegetation.

The landfill cover and regraded slopes will be seeded with a seed mix of vegetation native to the area. Prior to applying the seed on roadways to be reclaimed, the surface will be scarified with rippers mounted on heavy equipment, or similar method. Once the seed is spread by hand seeding, a dozer or other track-mounted piece of equipment will travel on the seeded area to cover the seeds and to create tracks to help hold atmospheric water. This tracking will also aid in the prevention of erosion. Seeding will only be completed in the spring or fall.

Reclaimed areas will be closed to future landfill use.

2.11.2.1.2 Post-Closure Care

Post closure care will include inspections for runoff/runoff control, vegetation success, final cover erosion damage, and settlement. Any deficiencies found would be repaired. The inspection would include all areas in which individual cells had been closed. This permit renewal application includes a total of 60 post closure inspections, 2 each per year for 30 years.

The post closure inspection schedule applies in the event that the entire landfill is no longer used and has been closed. The schedule above would be implemented based on the final closure date.

During periods in which the landfill is operating, inspections of closed and reclaimed individual cells within the landfill area would occur as part of routine operation and maintenance of the landfill. Repairs of closed cells, if needed, would be completed as part of routine operation of the landfill.

2.11.2.1.3 Cost Estimates and Financial Assurance

The cost for closure is based on the following activities being accomplished.

- **Regrading.** The amount of material to be regraded is equal to the amount of material excavated for the pit construction. This previously excavated material will be needed to fill the excavation back in and/or to recontour the area surrounding a reclaimed pit to a maximum no steeper than a slope of 3:1. The amount of material removed in new pit construction is approximately 1,875 cubic yards for each individual small cell. For purposes of financial assurance, no more than 10 pits would be unreclaimed at any one time plus the large cell area (approximately 6.9 acres). Because the single large cell will be larger than the average cell used for general waste disposal, soil excavated from the monofill will be staged around the perimeter to prevent surface water runoff.
- **Revegetation.** The area requiring revegetation is equal to the sum of the footprints of the cells to be reclaimed (10 or less). The initial permit issued to Nucor for landfill operation did not contain any reclamation or post closure care requirements. The existing landfill is in an area that has been used for landfill purposes by Nucor during historical operations operated under the initial permit and that has not previously been totally reclaimed. Areas subject to closure requirements by current regulations are pits that were active on July 15, 1999, or new pits constructed after this date.

To be conservative, Nucor is proposing to include the cost of revegetating the entire 35-acre landfill area in calculations for financial assurance. Revegetation will consist of hand sowing seeds, and tracking the seeded area by operating tracked equipment to assist in water retention and seed coverup. The seed mix to be used is a mix of seeds that are native to the area surrounding Nucor (Attachment 8). Once revegetated, the area will no longer be used for landfill purposes, or revegetation upon completion of a new disturbance.

The landfill access road will require ripping prior to seeding. The cost for ripping is included in the cost calculations.

Other. No equipment or structures will be dedicated to landfill operations. Class IIIb landfills are exempt from groundwater monitoring during operations and following closure. No additional cost is associated with closure.

Cost estimates for final closure are included as Attachment 9.

Post-closure care will also require financial assurance. Financial assurance will include costs associated with the following activities:

- As outlined in the previous section, a total of 60 inspections of the closed landfill would occur during a 30-year period following closure. No inspections beyond that time are necessary. For purposes of estimating the cost for the inspections to apply toward financial assurance it is assumed that a third-party contractor would perform the inspections. The inspector would be competent in discerning vegetation success, erosion problems, and settlement by completing a walk and a visual survey of the area and would generate a simple report that describes areas that require site work. For purposes of estimating costs, the amount of the inspection is escalated 2.5% per year to allow for inflation.

- The area immediately surrounding the landfill is gently sloping. As part of the initial Nucor facility construction, drainage around the landfill area was redirected to direct runoff from surrounding areas from entering the landfill area. The final covers for the individual cells to be used in the landfill are to have a 3:1 or flatter slope. The potential for damage owing to erosion is minimal. For financial assurance cost-estimating purposes, it is assumed that no more than 3000 yards of site grading using a dozer would be required to repair erosion damage. All erosion repair would occur at the time it was discovered during any inspection period during the entire 30 year period. Therefore, the financial assurance calculations include an escalating time period of 30 years.
- Settlement would be of concern if it caused runoff water to accumulate in a low spot allowing it to infiltrate into the closed cell. Settlement of the material and final cover of any cell is very unlikely to occur, given the type of material typically placed in the landfill and the type of soil at the site, as well as the relatively small size of the cells. For financial assurance purposes, it is assumed that the cost of repairing any settlement is included in the cost for repairing erosion described above.
- Revegetation would be required in any area in which repair was required, as described above, or in the event that the initial seeding was not successful. For estimating the costs to be included in financial assurance, it is assumed that no more than 1 acre would require re-vegetation. Re-vegetation would occur following any inspection where it was discovered it was needed. An escalation factor of 2.5% annually is applied to the cost.

Documentation of the method of financial assurance is included in Attachment 10.

3.0 Technical Report

3.1 Maps

3.1.1 Topographic Map of Landfill Area

A topographic map of the landfill area with landfill boundaries is included in Attachment 3. Runoff control structures are not included for the general waste cells because the individual landfill pits will not have runoff. Runon control will consist of earthen barriers constructed of the pit excavation material around three sides of the pits, and each pit will be oriented so that surface water does not run into the pit on the one open (ramp) side. The borrow and fill areas are the excavation material from each individual pit.

Additional details for runon/runoff controls for the large cell design are shown on Figure 1 in Attachment 6. Runon will be controlled with perimeter stockpiles constructed of soil from the cell excavation and shallow drainage ditches. Runoff will not be an issue until the waste is filled to existing grade (i.e., the waste elevation will be below the elevation of the surrounding terrain preventing runoff). As the waste elevation increases, runoff will be controlled. Waste placement will be staged to allow a natural ditch configuration to form around the perimeter of the cell. By leaving the perimeter of the cell exposed for final cover tie-in, a natural ditch will form that will collect runoff from the fill area and allow it to percolate back into the cell. As waste is brought up to grade around the perimeter, daily cover will be applied more frequently to prevent waste erosion and runoff.

3.1.2 USGS Topographic Map

A portion of a 7-1/2 minute series USGS map that includes Nucor operations is included as Attachment 1. This map includes significant detail to identify structures within 1/4 mile of the proposed landfill. A map with greater detail showing the property boundaries of the landfill within the Nucor property is included in Attachment 3.

3.2 Engineering Report – Plans, Specifications, and Calculations

A drawing that details cell design, cover design, design fill, and cover methods for the existing landfill permit is included as Attachment 6. This drawing also details runoff and runoff control designs.

3.3 Closure Plan

3.3.1 Closure Schedule

There is no long-term closure schedule for the landfill in the area set aside for landfill operations. The landfill will be operating indefinitely during all times that the Nucor plant is in operation.

Individual pits, however, will be closed once they reach capacity and a new pit is excavated. Each pit will receive final cover as a new cell becomes available for use.

3.3.2 Design of Final Cover

Final cover of landfilled material will be a minimum of 2 feet thick. The construction material for the cover will be primarily a silty material that was excavated from the pits during the initial excavation of the individual cells. This material also serves as topsoil. Design of the final cover is detailed in the drawings included as Attachment 6.

3.3.3 Capacity of the Site

Each of the individual small cells for general waste will have a capacity of approximately 2,200 cubic yards of land-filled material before final cover is placed over the area. The landfilled material will consist of a combination of waste and daily cover material (earth) that has been placed as needed during the life of the pit. Because of the uncertainty of the type of material that will be placed in the landfill, and the uncertainty of the proportion of daily cover material contained in the landfill, the weight of landfilled material cannot be accurately projected.

The large cell will be constructed over 6.9 acres to provide a disposal volume of approximately 226,00 cubic yards (CY). This volume is designed to handle 15 years of EAF dust generation based on average generation rate of 15,000 CY per year. If EAF dust is not deposited in the landfill, the large cell may be used for wastes described earlier in this application. Note that the waste will consolidate in the monofill to allow space for daily cover.

3.3.4 Final Inspection by Regulatory Agencies

The landfill at the Nucor site will operate indefinitely in an area used historically as a landfill site. Future landfill operations will consist of the construction of individual cells, as described in previous sections, with a defined design. A schedule for final closure of the entire landfill area cannot be defined.

4.0 Post-Closure Care Plan

4.1 Site Monitoring

Site monitoring following closure is described in detail in Subsection 2.11.2.1.2, Post-Closure Care.

4.2 Changes to Record of Title, Land Use, and Zoning Restrictions

The Nucor facility is a permanent operation. The landfill is a component of the operations located within Nucor property boundaries. It is not reasonable to expect that there will be a change in title, land use, or zoning restrictions. A deed restriction is in place prohibiting the use of the landfill for residential use.

4.3 Maintenance Activities – Runon/Runoff Control Systems

As each individual pit or cell reaches capacity, steps toward reclamation will be taken by placing a final cover on the landfilled material and regrading to flat slopes. Seeding activities may be conducted in the spring or fall following closure of each individual pit. However, to be conservative in financial assurance calculations, it is assumed that all reclamation activities will be conducted on up to 10 cells at once and the entire 35-acre area will be revegetated. The reclamation procedure is described in detail in previous sections of this document. The final cover will minimize potential surface water runon and runoff contamination, and the flat slopes and established vegetation will minimize erosion potential from both runon and runoff. No ongoing maintenance activities are expected to be necessary; however, if any problems with closed cells are found during periods when the landfill is still operating, repairs will be completed as necessary.

A description of post-closure care in the event that the entire landfill is closed is included in Subsection 2.11.2.1.3, Cost Estimates and Financial Assurance.

4.4 Contacts for Post-Closure Care

The Nucor facility is a permanent operation. The Nucor landfill area does not have a scheduled closure date, and may operate during the life of the facility. The on-site contact for the landfill is:

Doug Jones, Environmental Department Manager
Nucor Steel
PO Box 100
Plymouth, Utah 84330
(435) 458-2415

The corporate contact for Nucor, to be used as an alternate contact to the local contact is:

Tomas A. Miller, Vice President and General Manager of Environmental Affairs
Nucor Steel Corporation
2100 Rexford Road
Charlotte, NC 28211
(704) 366-7000

5.0 Financial Assurance

Cost calculations for closure, a description of post-closure care, and a description of the financial assurance mechanism are all addressed in previous sections of this document.

Attachment 1
Location Map



Attachment 2
Existing Landfill Permit

**UTAH SOLID AND HAZARDOUS WASTE CONTROL BOARD
SOLID WASTE PERMIT RENEWAL**

CLASS III LANDFILL

Pursuant to the provisions of the *Utah Solid and Hazardous Waste Act*, Title 19, Chapter 6, Part 1, Utah Code Annotated (UCA) 1953, as amended (the Act) and the *Utah Solid Waste Permitting and Management Rules*, Utah Administrative Code (UAC) R315-301 through 320 adopted thereunder, a Permit is issued to

Nucor Steel, as owner and operator,

to own and operate the Class IIIb landfill located in $\frac{1}{4}$ of Section 9, Township 13 north, Range 3 west, Salt Lake Base and Meridian, Box Elder County, Utah as shown in the Permit Renewal Application that was determined complete on August 30, 2011.

The Permittee is subject to the requirements of UAC R315-301 through 320 and the requirements set forth herein.

All references to UAC R315-301 through 320 are to regulations that are in effect on the date that this Permit becomes effective.

Effective date: November 15, 2011.

Expiration date: November 14, 2021.

Closure Cost Revision Date: November 15, 2016.

Signed this 9th day of November, 2011.

Original Document signed by Scott T. Anderson on 11/9/2011

Scott T. Anderson, Executive Secretary
Utah Solid and Hazardous Waste Control Board

FACILITY OWNER/OPERATOR INFORMATION

LANDFILL NAME: Nucor Steel Class Landfill

OWNER NAME: Nucor Steel – Plymouth Division

OWNER ADDRESS: P.O. Box 100
Plymouth, Utah 84330

OWNER PHONE NO.: (435) 458-2300

OPERATOR NAME: Nucor Steel – Plymouth Division

TYPE OF PERMIT: Class IIIb Noncommercial Solid Waste Landfill

PERMIT NUMBER: 0001R2

LOCATION: Landfill site is located in Township 13 North, Range 3 West,
Section 9, SLBM; Box Elder County, Lat. 41° 52' 35", Long.
112° 11' 46"

PERMIT REQUIREMENTS

Permit as used in this document is defined in UAC R315-301-2(55).

The renewal application, dated August 29, 2011 (TN2011.01978), as deemed complete on the date shown on the signature page of this Permit, is hereby incorporated by reference into this Solid Waste Permit and shall be referred to as the "Permit Application" throughout this Permit. All representations made in the Permit Application are part of this Permit and are enforceable under UAC R315-301-5(2). The Permit Application shall become part of the operating record of the Landfill. Where differences in wording exist between this Permit and the application, the wording of this Permit supersedes that of the application.

This Permit consists of the signature page, Facility Owner/Operator Information section, sections I through V, and the Permit Application as defined above.

The facility as described in this Permit consists of disposal cells for all permitted waste.

By this Permit to operate, the Permittee shall be subject to the following conditions.

I. GENERAL COMPLIANCE RESPONSIBILITIES

A. General Operation

The Permittee shall operate the Class IIIb landfill in accordance with the conditions of this Permit and with all requirements of UAC R315-304, that are in effect as of the date of this Permit unless otherwise noted in this Permit. Any permit noncompliance or noncompliance with any applicable portions of UCA 19-6-101 through 123 and applicable portions of UAC R315-301 through 320 constitutes a violation of this Permit or applicable statute or rule and is grounds for appropriate enforcement action, permit revocation, modification, or denial of a permit renewal application.

B. Noncompliance

If monitoring, inspection, or testing indicates that any permit condition or any applicable rule under UAC R315-301 through 320 may be or is being violated, the Permittee shall promptly make corrections to the operation or other activities to bring the facility into compliance with all permit conditions or rules.

In the event of any noncompliance with any permit condition or violation of an applicable rule, the Permittee shall promptly take any feasible action reasonably necessary to correct the noncompliance or violation and mitigate any risk to the human health or the environment. Actions may include eliminating the activity causing the noncompliance or violation and containment of any waste or contamination using barriers or access restrictions, placing of warning signs, or permanently closing areas of the facility.

The Permittee shall document the noncompliance or violation in the operating record, on the day the event occurred or the day it was discovered. Permittee shall notify the Executive Secretary of the Solid and Hazardous Waste Control Board by telephone within 24 hours, or the next business day following documentation of the event. Permittee shall give written notice of the noncompliance or violation and measures taken to protect human health and the environment within seven days of Executive Secretary notification.

Within thirty days of the documentation of the noncompliance, the Permittee shall submit to the Executive Secretary a written report describing the nature and extent of the noncompliance or violation and the remedial measures taken or to be taken to protect human health and the environment and to eliminate the noncompliance or violation. Upon review of the assessment report, the Executive Secretary may order the Permittee to perform appropriate remedial measures including development of a site remediation plan for approval by the Executive Secretary.

In an enforcement action, the Permittee may not claim as a defense that it would

have been necessary to halt or reduce the permitted activity in order to maintain compliance with UAC R315-301 through 320 and this Permit.

Compliance with this Permit does not constitute a defense to actions brought under any other local, state, or federal laws. This Permit does not exempt the Permittee from obtaining any other local, state or federal permits or approvals required for the facility operation.

The issuance of this Permit does not convey any property rights, other than the rights inherent in this Permit, in either real or personal property, or any exclusive privileges other than those inherent in this Permit. Nor does this Permit authorize any injury to private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations including zoning ordinances.

The provisions of this Permit are severable. If any provision of this Permit is held invalid for any reason, the remaining provisions shall remain in full force and effect. If the application of any provision of this Permit to any circumstance is held invalid, its application to other circumstances shall not be affected.

C. Inspection and Inspection Access

The Permittee shall allow the Executive Secretary of the Utah Solid and Hazardous Waste Control Board or an authorized representative of the Board, or representatives from the Bear River Health Department, to enter at reasonable times and:

1. Inspect the landfill or other premises, practices or operations regulated or required under the terms and conditions of this Permit or UAC R315-301 through 320;
2. Have access to and copy any records required to be kept under the terms and conditions of this Permit or UAC R315-301 through 320;
3. Inspect any loads of waste, treatment facilities or processes, pollution management facilities or processes, or control facilities or processes required under this Permit or regulated under UAC R315-301 through 320; and
4. Create a record of any inspection by photographic, videotape, electronic, or any other reasonable means.

D. Prohibited Waste

1. Hazardous waste as defined by UAC R315-1 and R315-2;
2. PCB's as defined by UAC R315-301-2(53), except PCB's specified by UAC R315-315-7(2)(a) and (c);
3. Household waste;
4. Municipal waste;
5. Special waste except as specified in this Permit;
6. Commercial waste; and
7. Containers larger than household size (five gallons) holding any liquid, non-containerized material containing free liquids or any waste containing free liquids in containers larger than five gallons.
8. Regulated asbestos-containing material.

Any prohibited waste received and accepted for disposal at the facility shall constitute a violation of this Permit, of UCA 19-6-101 through 123 and of UAC R315-301 through 320.

E. Acceptable Waste

This permit is for disposal of nonhazardous industrial waste, as defined in UAC R315-301-2(35), generated by Nucor Steel – Plymouth Division and as described in the permit application, and carcasses of animals that may be accidentally killed on the plant site. The Permittee may accept PCB's as specified by UAC R315-315-7(2).

F. Revocation

This Permit is subject to revocation if any condition of this Permit is not being met. The Permittee shall be notified in writing prior to any proposed revocation action and such action shall be subject to all applicable hearing procedures established under UAC R315-12 and the *Utah Administrative Procedures Act*.

As part of the revocation the Executive Secretary shall exercise the option to require payment of funds under the financial assurance mechanism held by the Executive Secretary.

G. Attachment Incorporation

Attachments to the Permit Application are incorporated by reference into this Permit and are enforceable conditions of this Permit, as are documents incorporated by reference into the attachments. Language in this Permit supersedes any conflicting language in the attachments or documents incorporated into the attachments.

II. DESIGN AND CONSTRUCTION

A. Construction

The landfill shall be constructed according to the design outlined in the Permit Application and in the area designated in the Permit Application, including landfill cells, fences, gates, and berms.

The Permittee shall notify the Executive Secretary upon completion of construction of any landfill cells or run-on and run-off diversion systems. No landfill cells or run-on and run-off diversion system may be used until construction is approved by the Executive Secretary.

The Permittee shall notify the Executive Secretary of the completion of construction of any final cover system and shall provide all necessary documentation and shall apply for approval of the construction from the Executive Secretary.

All engineering drawings submitted to the Executive Secretary shall be stamped by a professional engineer with a current registration in Utah.

B. Run-On Control

Perimeter drainage channels and berms shall be constructed as specified in the Permit Application. These channels shall be maintained at all times to effectively prevent run-off from the surrounding property from entering the landfill.

III. LANDFILL OPERATION

A. Operations Plan

The Operations Plan included in the Permit Application and this Permit shall be kept onsite at the landfill or at the location designated in Section III-G of this Permit. The landfill shall be operated in accordance with the Operations Plan. If necessary, the Permittee may modify the Operations Plan, provided that the modification meets all of the requirements of UAC R315-301 through 320, is as

protective of human health and the environment as that approved in the Permit Application, and is approved by the Executive Secretary as a minor modification under UAC R315-311-2(1)(a)(xiii). Any modification to the Operations Plan shall be noted in the operating record.

Any modification to the Operations Plan shall be submitted to the Executive Secretary for approval and is considered a minor permit modification in compliance with UAC R315-311-2(1)(a)(xiii) unless the Executive Secretary determines the change should be subject to public comment under UAC R315-311-2(1)(b).

B. Security

The Permittee shall operate the Landfill so that unauthorized entry to the facility is restricted. All facility gates and other access routes shall be locked during the time the landfill is closed. At least one person employed by the Permittee shall be at the landfill during all hours that the landfill is open. Fencing and any other access controls as shown in the Permit Application shall be constructed to prevent access of persons or livestock by other routes.

C. Waste Inspections

The Permittee shall visually inspect incoming waste loads to verify that no wastes other than those allowed by this Permit are disposed in the landfill. All waste loads shall be inspected prior to deposition during periods of high use, with deposited waste inspected at the end of each day during typical low use periods, as described in the permit renewal application.

All containers capable of holding more than five gallons of liquid will be inspected to assure that the container is empty.

D. Cover

The Permittee shall cover the waste as necessary to prevent fires and to control vectors, blowing litter, odor, scavenging, and fugitive dust. Wastes that are capable of attracting or providing food for vectors, materials that may become windblown litter, or fine materials that may become fugitive dust shall be covered with a minimum of six inches of earth at the end of the working day in which they are received. An alternative cover material may be used when the material and operation meets the requirements of UAC R315-303-4(4)(b) through (d) or when the alternative daily cover meets the requirement of UAC R315-303-4(4)(e).

A minimum of six inches of earthen cover shall be provided no less than once each month for all other wastes received at the landfill. This cover shall consist

of soil, no alternative may be used.

At the end of each day of operation, when soil or an alternative cover is placed, the amount and type of cover placed and the area receiving cover shall be recorded in the operating record and certified by the operator.

E. Roads

All access roads within the landfill boundary that are used for transporting waste to the landfill for disposal, shall be improved and maintained as necessary to ensure safe and reliable all-weather access to the disposal area.

F. Burning of Waste

Intentional burning of solid waste is prohibited and is a violation of UAC R315-303-4(2)(b). All accidental fires shall be extinguished as soon as possible.

G. Record Keeping

The Permittee shall maintain and keep on file at the Nucor Environmental Department office a daily operating record and other general records of landfill operation as required by UAC R315-302-2(3). The landfill operator, or other designated personnel, shall date and sign the daily operating record at the end of each operating day. Each record to be kept shall contain the signature of the appropriate operator or personnel and the date signed.

1. The daily operating record shall include the following items:

- a. The number of loads of waste and the weights or estimates of weights or volume of waste received each day of operation and recorded at the end of each operating day;
- b. Major deviations from the approved plan of operation recorded at the end of the operating day the deviation occurred;
- c. Results of other monitoring required by this Permit recorded in the operating record on the day of the event or the day the information is received;
- d. Records of all inspections conducted by the Permittee, results of the inspections, and corrective actions taken shall be recorded in the record on the day of the event;

2. The general record of landfill operations shall include the following items:

- a. A copy of the Permit including the Permit Application;
- b. Results of inspections conducted by representatives of the Utah Solid and Hazardous Waste Control Board and/or representatives of the Bear River Health Department, when forwarded to the Permittee;
- c. Closure and Post-closure care plans; and
- d. Records of employee training.

H. Reporting

The Permittee shall prepare and submit, to the Executive Secretary, an Annual Report as required in UAC R315-302-2(4). The Annual Report shall include: the period covered by the report, the annual quantity of waste received, an annual update of the financial assurance mechanism, and all training programs completed.

I. Self Inspections

The Permittee shall inspect the facility to prevent malfunctions and deterioration, operator errors, and discharges that may cause or lead to the release of wastes or contaminated materials to the environment or create a threat to human health or the environment. These general inspections shall be completed no less than quarterly and shall cover the following areas: Waste placement, compaction and cover, fences and access controls, roads, run-on/run-off controls, final and intermediate cover, litter controls, and records. A record of the inspections shall be placed in the daily operating record on the day of the inspection. Areas needing correction, as noted on the inspection report, shall be corrected in a timely manner. The corrective actions taken shall be documented in the daily operating record.

J. Training

Permittee shall provide training for on-site personnel in landfill operation, including waste load inspection, hazardous waste identification, and personal safety and protection.

K. Disposal of Special Wastes

Animal carcasses may be disposed in the landfill working face and shall be covered with two feet of other solid waste or six inches of soil by the end of the working day they are received or they may be disposed in a special trench or pit prepared for the acceptance of dead animals. If a special trench is used, animals placed in the trench shall be covered with six inches of soil by the end of each working day.

IV. CLOSURE REQUIREMENTS

A. Closure

The Permittee shall close and maintain the facility in accordance with the closure and post-closure plans included in the Permit Application and as required by R315-305-5(5) UAC.

B. Title Recording

The Permittee shall meet the requirements of UAC R315-302-2(6) by recording with the Box Elder County Recorder as part of the record of title that the property has been used as a landfill. The recording shall include waste disposal locations and types of waste disposed.

C. Post-Closure Care

Post-closure care at the closed landfill shall be done in accordance with the Post-Closure Care Plan contained in the Permit Application. Post-closure care shall continue until all waste disposal sites at the landfill have stabilized and the finding of UAC R315-302-3(7)(c) is made.

D. Financial Assurance

The Permittee shall keep in effect and active the currently approved financial assurance mechanism or another approved mechanism that meets the requirements of UAC R315-309 to cover the costs of closure and post-closure care at the landfill. The financial assurance mechanism shall be adequately maintained to provide for the cost of closure and post-closure care at any stage or phase or anytime during the life of the landfill or the permit life, whichever is shorter.

With each annual revision of the closure and post-closure care cost estimate, the approved financial assurance mechanism shall be updated to reflect the current cost estimates.

E. Financial Assurance Annual Update

An annual revision of closure and post-closure costs for inflation and financial assurance funding as required by R315-309-2(2), shall be submitted to the Executive Secretary as part of the annual report.

F. Closure Cost and Post-Closure Cost Revision

The Permittee shall submit a complete revision of the closure and post-closure cost estimates by the Closure Cost Revision Date listed on the signature page of this Permit, any time the facility is expanded, any time a new cell is constructed, or any time a cell is expanded.

V. ADMINISTRATIVE REQUIREMENTS

A. Transfers

This Permit may be transferred to a new permittee or new permittees by meeting the requirements of the Permit Transfer provision specified in UAC R315-310-11.

B. Permit Modifications

Modifications to this Permit may be made upon application by the Permittee or by the Executive Secretary. The Permittee shall be given written notice of any permit modification initiated by the Executive Secretary.

C. Expiration

Application for permit renewal shall be made at least six months prior to the expiration date, as shown on the signature (cover) page of this Permit. If a timely renewal application is made and the permit renewal is not complete by the expiration date, this Permit shall continue in force until renewal is completed or denied.

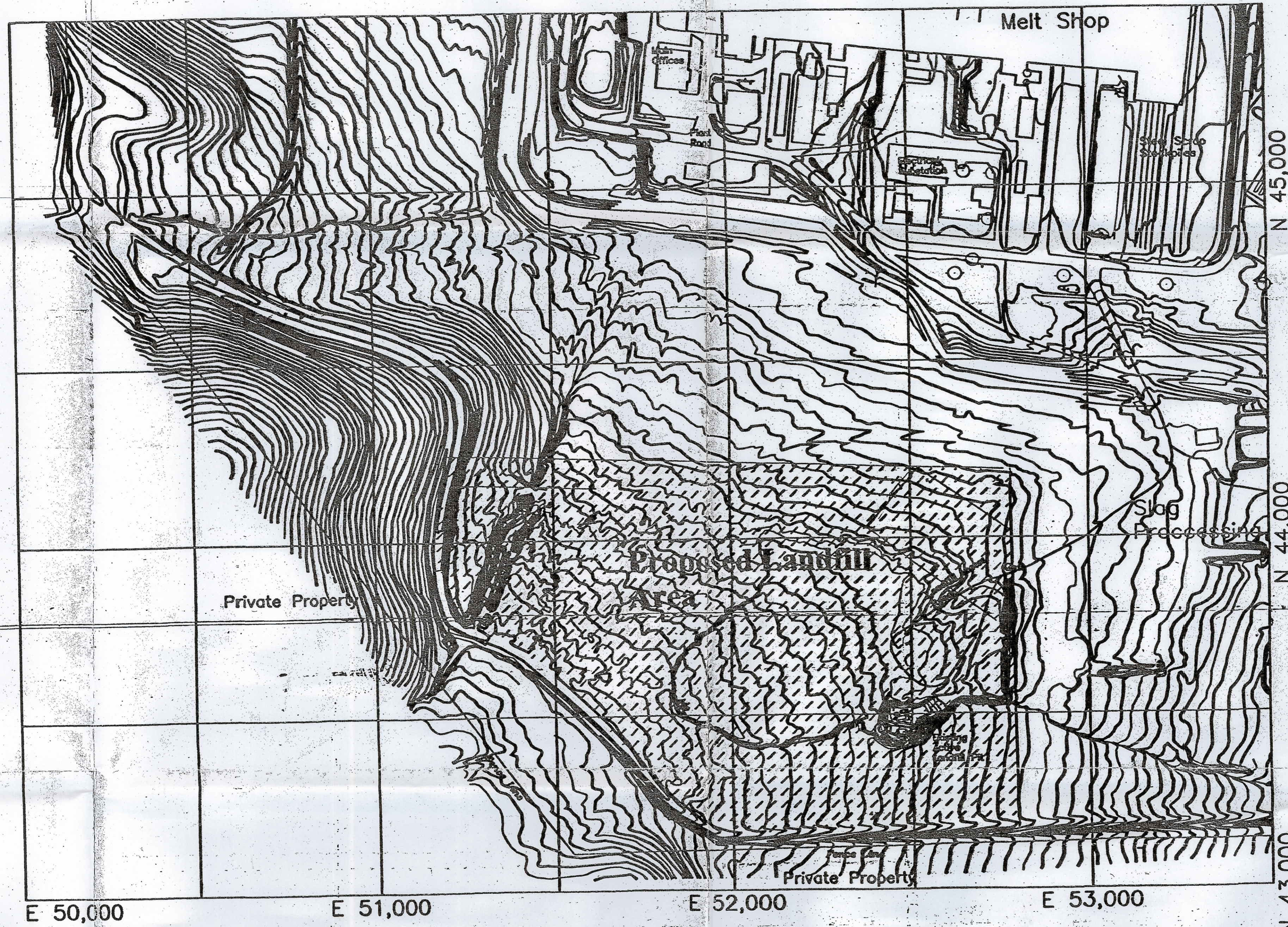
D. Expansion

This Permit is for the operation of a Class IIIb Landfill according to the design and Operation Plan described and explained in the Permit Application. Any expansion of the current footprint designated in the description contained in the Permit Application, but within the property boundaries designated in the Permit Application, shall require submittal of plans and specifications to the Executive Secretary. The plans and specifications shall be approved by the Executive Secretary prior to construction.

Any expansion of the landfill facility beyond the property boundaries designated in the description contained in the Permit Application shall require submittal of a new Permit Application in accordance with the requirements of UAC R315-310.

Any addition to the list of acceptable waste in Section IE shall require submittal of all necessary information to the Executive Secretary and the approval of the Executive Secretary.

Attachment 3
Site Plan



1" = 300'
650

Not to scale

GENERAL TOLERANCES	
UNLESS OTHERWISE SPECIFIED	
TOLERANCES ON MACHINE DIMENSIONS	
FRACTIONAL	± 1/64"
DECIMAL	± .005"
METRIC	± .12mm
TOLERANCES ON FABRICATION DIMENSIONS	
HOLE LOCATION	± 1/32"
GENERAL FABRICATION	± 1/16"

REFERENCE DWG. NO.	
NO.	DATE

REVISIONS			
NO.	DATE	NOTES	APP. BY

NUCOR STEEL
A DIVISION OF NUCOR CORPORATION
PLYMOUTH, UTAH

Class III Landfill Permit Application
January 2000

SCALE: 1" = 300' (1/16" = 32') DATE: 12/14/99

DRAWN: [Signature] ASSY. DWG.: [Signature]

TRACED: [Signature] SUPERSEDED BY: [Signature]

CHK'D: [Signature] SUPERSEDED BY: [Signature]

APP'D.: [Signature] FILE [Signature]

NOTICE - THIS DRAWING IS FURNISHED SUBJECT TO THE CONDITIONS THAT IT SHALL NOT BE COPIED OR DISCLOSED TO OUTSIDE PARTIES WITHOUT WRITTEN CONSENT OR USED IN ANY WAY DETRIMENTAL TO NUCOR. ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED. NUCOR CORPORATION

Attachment 4
Proof of Property Ownership



BOX ELDER COUNTY TREASURER
 01 SOUTH MAIN
 BRIGHAM CITY, UT 84302
 435-734-3385

2020 TAX NOTICE

DUE NOVEMBER 30TH

Penalty Assessed December 1st

20743*64**G50**1.232**1/8*****AUTOALL FOR AADC 840
 NUCOR CORPORATION
 % CHARLES ZURCHER
 PO BOX 100
 PLYMOUTH UT 84330-0100



YOUR TAXES MAY BE PAID BY THE FOLLOWING MORTGAGE COMPANY

PROPERTY CLASSIFICATION	MARKET VALUE	TAXABLE VALUE
Non-PrimaryLand	\$526,701.00	\$526,701.00
Non-PrimaryBuilding	\$20,149,884.00	\$20,149,884.00
Total Taxable	\$20,676,585.00	\$20,676,585.00

TAX LEVIED BY	TAX RATE	AMOUNT
LOCAL ASSESSING & COLLECTING	0.000301	\$6,223.65
BEAR RIVER WATER CONSV DIST	0.000241	\$4,983.06
MULTI-COUNTY ASSNG & COLLECT	0.000012	\$248.12
BASIC SCHOOL LEVY	0.001628	\$33,661.48
BOX ELDER SCHOOL DISTRICT	0.005277	\$109,110.34
BOX ELDER COUNTY	0.001662	\$34,364.48
COUNTY LIBRARY	0.000121	\$2,501.87
Box Elder Mosquito Abatement D	0.000199	\$4,114.64
PLYMOUTH CEMETERY	0.000188	\$3,887.20
BE COUNTY MUNICIPAL SERVICES	0.000385	\$7,960.49
CHARTER SCHOOL LEVY	0.000069	\$1,426.68

District Tax Rate: 0.010083

CURRENT YEAR TAXES LEVIED \$208,482.01

SPECIAL / ATTACHED

ABATEMENT

BALANCE DUE FOR 2020

LESS PREPAID AMOUNT	\$0.00
TOTAL DUE FOR 2020	\$208,482.01
DELINQUENT TAXES	\$0.00
TOTAL DUE WITH DELINQUENT TAXES	\$208,482.01

ACCOUNT NUMBER	PARCEL NUMBER	ACRES	DISTRICT
R0031887	070350001	627.93	124

PARTIAL LEGAL DESCRIPTION FOR TAX IDENTIFICATION ONLY

BEG AT NW COR OF SEC 9, TWP 13N, R 3W, SLM, S 0*14 7285 W 21200 N

PAYMENT OPTIONS / MESSAGES

Please Note the Following:

- **Pay Online using the following Website:**
www.boxeldercounty.org/treasurer
- **Pay By Mail**
 Payments sent to the P.O. Box in Salt Lake City will allow for more cost-efficient processing.
- **Office Hours:**
 Monday through Friday, 8 am - 5 pm
- **Pay in Person with Cash or Check**
 ALL CARDS ARE SUBJECT TO PROCESSING FEES
- **County Offices will be Closed on the Following Days:**
 Wednesday, November 11th - Veterans Day
 Thursday & Friday, November 26th & 27th- Thanksgiving Holiday
- **Important:**
 Please review all of your properties.
 Each property has a unique Parcel and Account Number.



eNoticesOnline.com
 Go Paperless

AUTHORIZATION CODE
BOX-6LMKH7YX

2020 TAX NOTICE

DUE NOVEMBER 30TH

PLEASE REMIT AND SEND PAYMENT TO:

BOX ELDER COUNTY TREASURER

PO BOX 30016

SALT LAKE CITY, UT 84130

*Payments made by electronic check are free of charge

NUCOR CORPORATION
 % CHARLES ZURCHER
 PO BOX 100
 PLYMOUTH UT 84330-0100



ACCOUNT NUMBER R0031887

PARCEL NUMBER 070350001

AMOUNT DUE \$208,482.01

AMOUNT ENCLOSED \$



BOX ELDER COUNTY
 PO BOX 30016
 SALT LAKE CITY UT 84130-0016

R0031887 020848201 2



Attachment 5
Example Landfill Record Keeping Forms

MONTHLY LANDFILL RECORD

NUCOR

NUCOR CORPORATION
NUCOR STEEL UTAH

Month: February Year: 2021

Instructions: This information may be used in reporting landfill activity to Nucor Corporate, Regulatory Agencies, and to document compliance to the landfill permit. Therefore, use good judgement in estimating quantities to ensure good correlation between actual disposal quantity and reporting quantity.

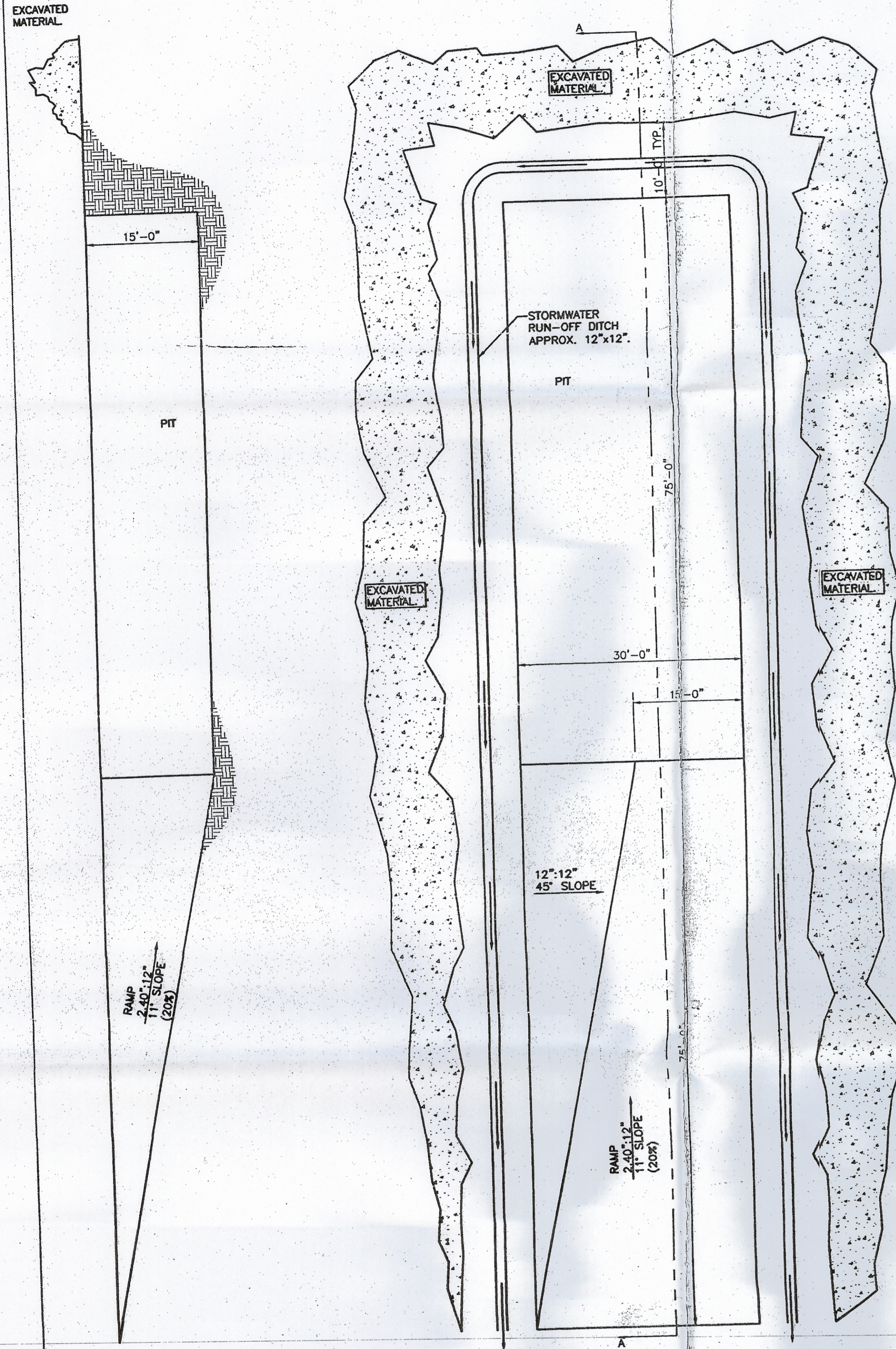
DAY	CELL NAME	Covered (y/n)?		Conforming Waste?		Daily Inspection		Inspectors Signature
		yes	no	yes	no	Run On/Run Off Controls Functional?		
						yes	no	
1	land		Closed	yes		yes		[Signature]
2	land		NO	yes		yes		BD
3	land		NO	yes		yes		BD
4	land		Closed			yes		[Signature]
5	land		NO	yes		yes		BD
6	land		Closed			X		[Signature]
7	land		Closed			X		[Signature]
8	land	yes		yes		yes		BD
9	land		NO	yes		yes		BD
10	land		NO	yes		yes		BD
11	land	yes		yes		yes		BD
12	land		Closed			X		[Signature]
13	land		Closed			X		BD
14	land		Closed			X		[Signature]
15	land		Closed			X		[Signature]
16	land		NO	yes		yes		[Signature]
17	land		Closed			yes		[Signature]
18	land		NO	yes		yes		[Signature]
19	land		Closed			yes		[Signature]
20	land		Closed			yes		BD
21	land		Closed			yes		BD
22	land		Closed			yes		[Signature]
23	land		NO	yes		yes		BD
24	land		NO	yes		yes		BD
25	land		NO	yes		yes		BD
26	land		NO	yes		yes		BD
27	land		Closed			yes		[Signature]
28	land		Closed			yes		[Signature]
29								
30								
31								

February 2021

Landfill Disposal Records
Volume of Material Disposed
 (Include Waste Description and the Units as lbs or Tons)

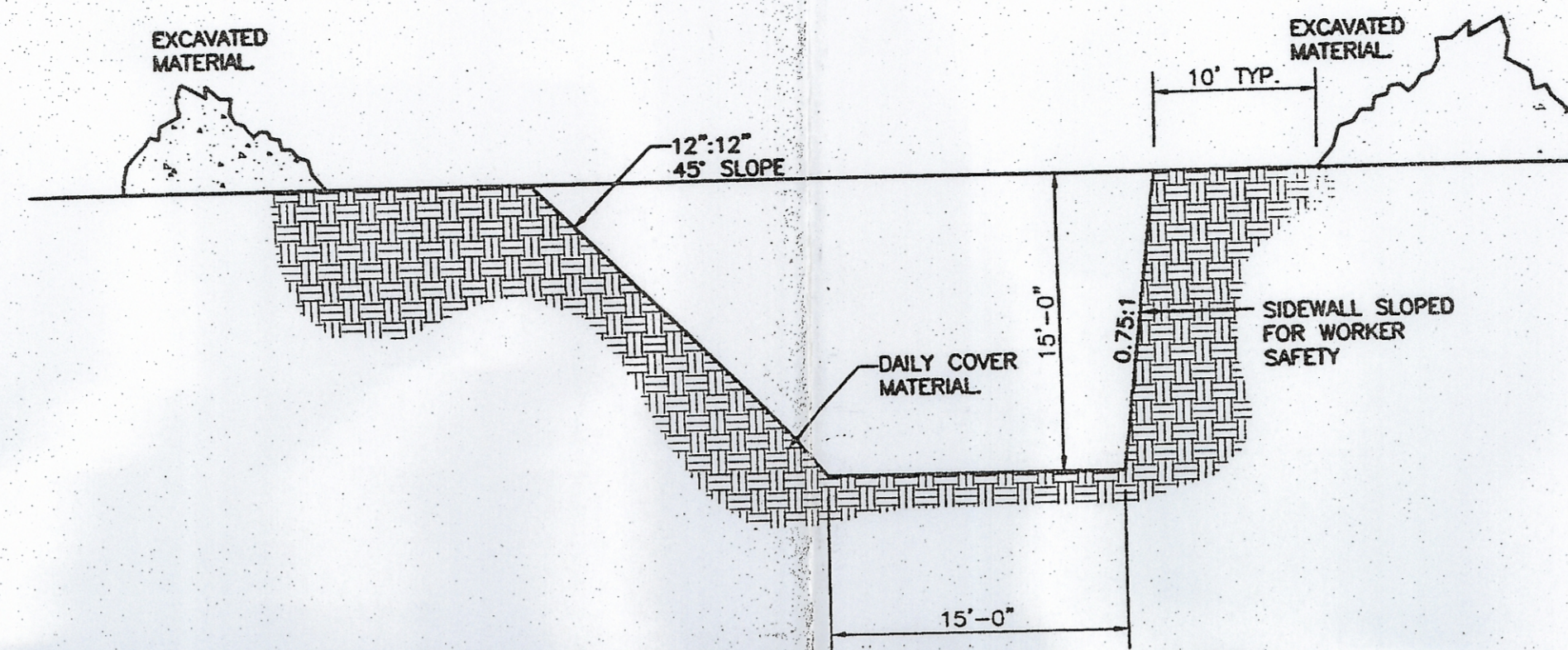
Date	Concrete	Caster Kerf, Contaminated Millscale, Grinding Ball	Refractory Materials	Paper / Cardboard Tubes	Wood (Random Sizes)	Dead Animals	General Waste (i.e. personal use/food items, construction demo waste, packaging material, ect.)	Landfill Cover (Include type, amount, and location) All Large cell
2/2					Wood 4,900 lbs		Hoses 1,420 lbs	
2/3		Grinding Ball 4,200 lbs						
2/5				tubes 6,000 lbs				
2/8							trash 4,800 lbs	Dirt cover 14,170 lbs
2/9	concrete 126,270 lbs				wood 7,900 lbs			
2/10	concrete 4,000 lbs							
2/11							Trash 4,180 lbs	Dirt cover 17,680 lbs
2/16				tubes 7,080 lbs				
2/18					wood 10,820 lbs			
2/23					wood 13,020 lbs			
2/24	concrete 1,500 lbs				wood 6,120 lbs			
2/25					wood 9,000 lbs			
2/24			refractory 11,740 lbs	tubes 6,000 lbs			Hoses 2,500 lbs	Dirt cover 16,720 lbs
Monthly Totals	131,770 lbs	4200 lbs	11,740 lbs	19,000 lbs	52,420 lbs	0	12,900 lbs	48,570 lbs

Attachment 6
Cell Construction and Closure Design

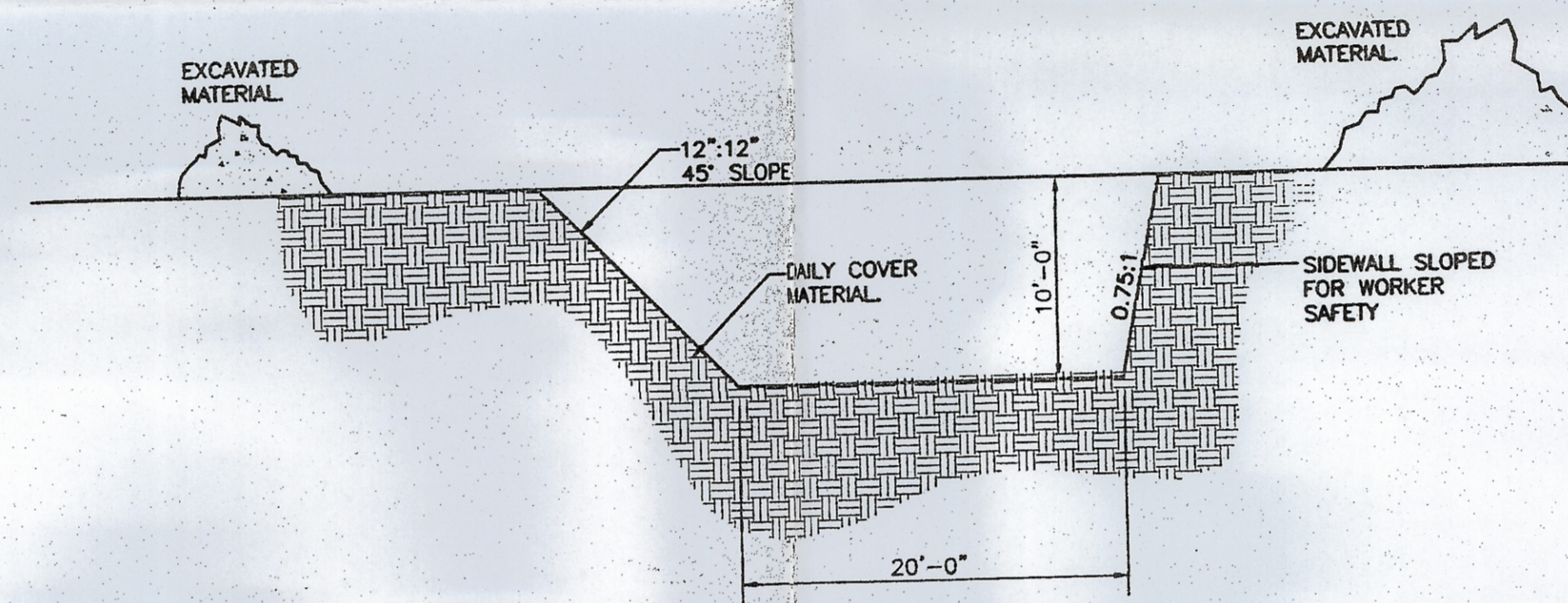


SECTION 'A-A'
SCALE: 3/8"=12"

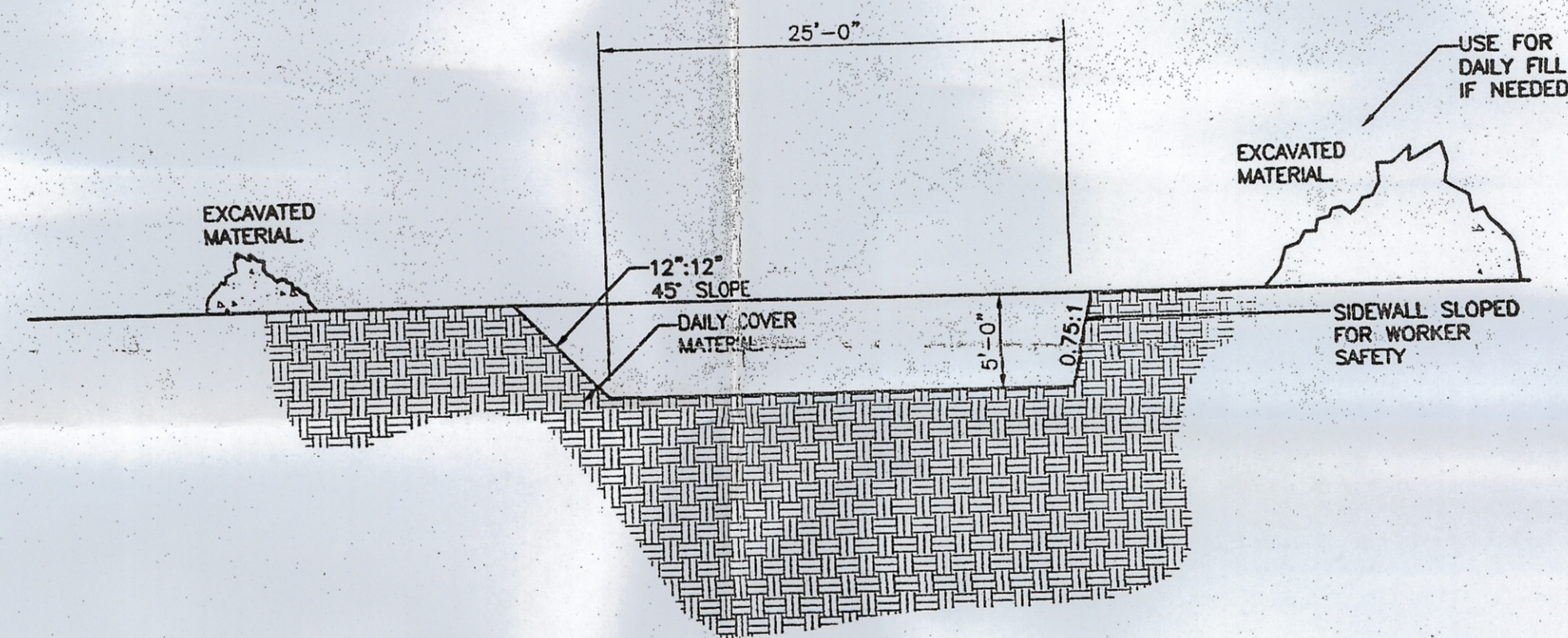
PLAN VIEW
SCALE: 3/8"=12"



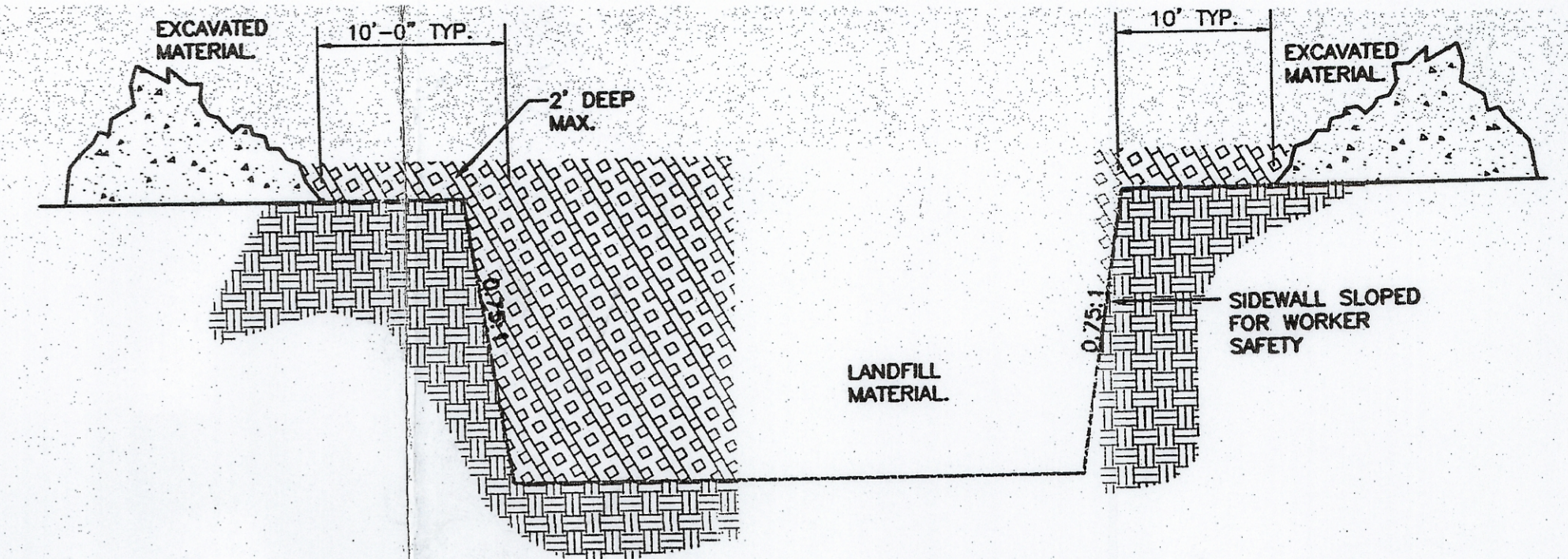
RAMP DETAIL @ 15' DEEP



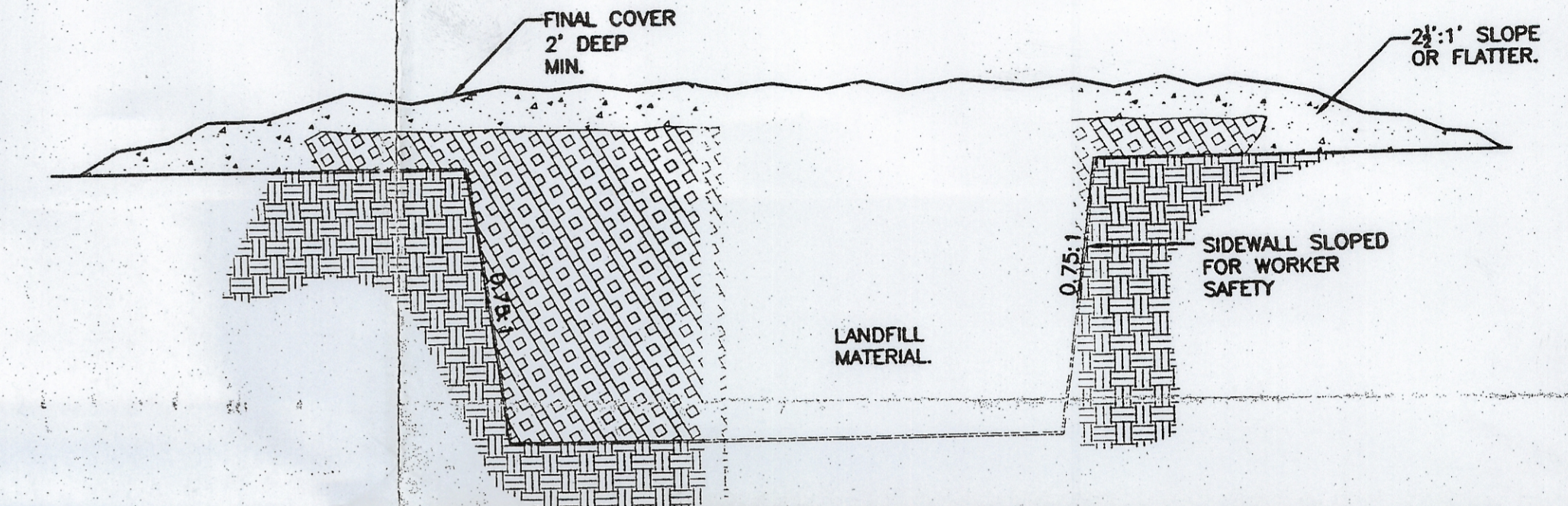
RAMP DETAIL @ 10' DEEP



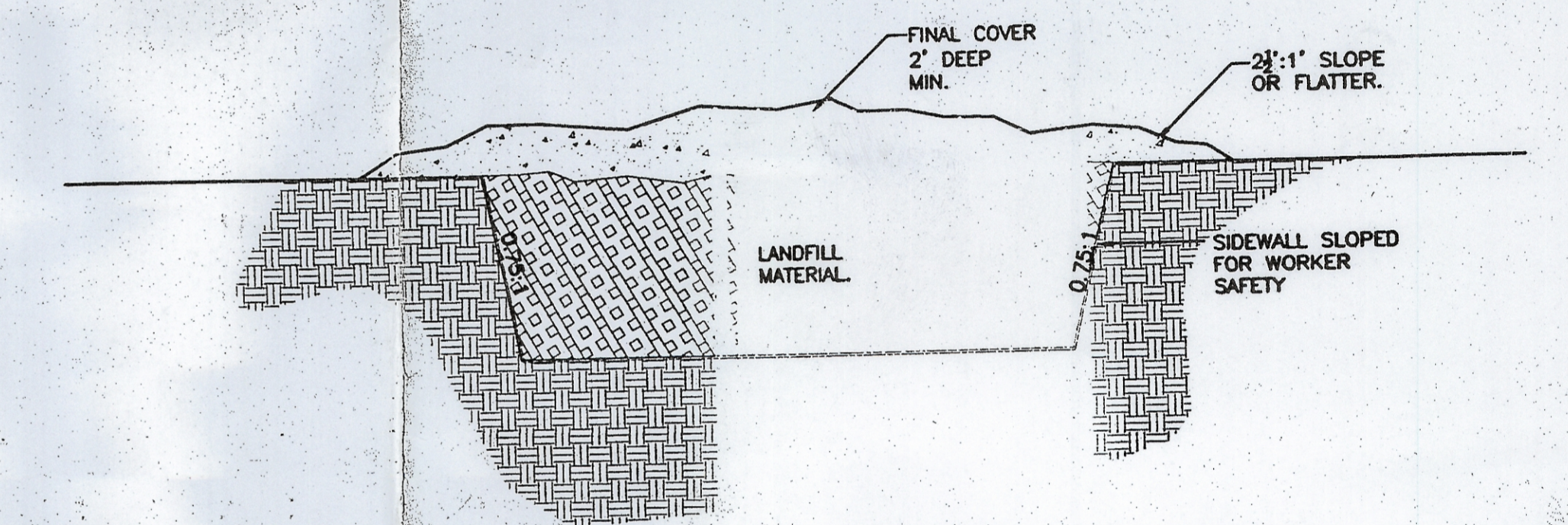
RAMP DETAIL @ 5' DEEP



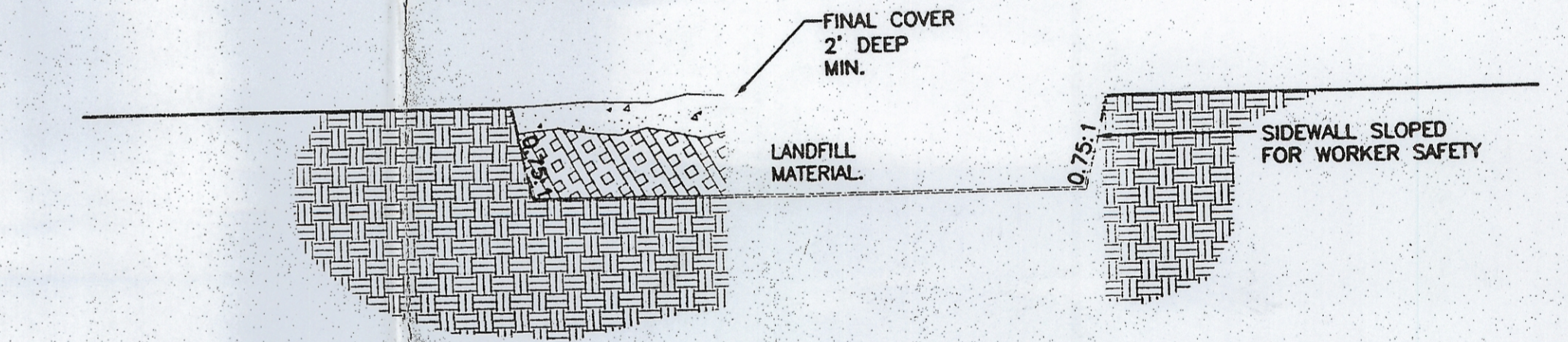
PRIOR TO PIT RECLAMATION



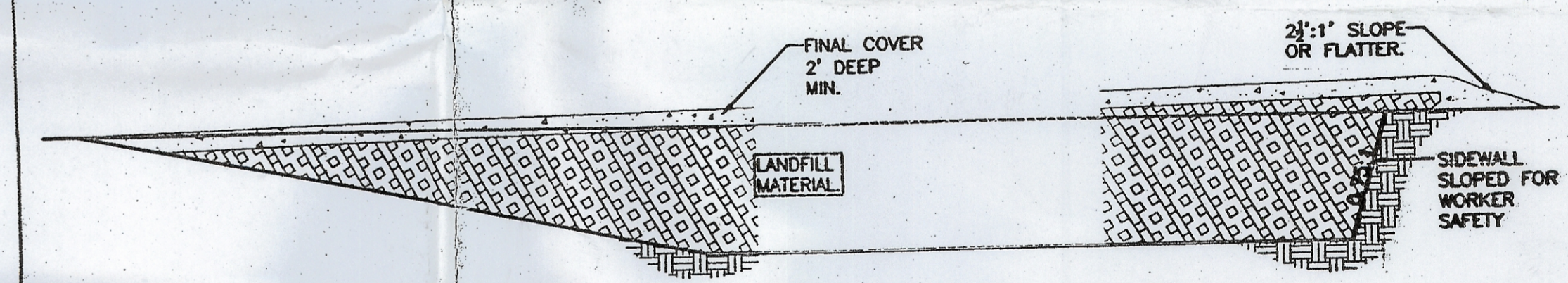
FINAL AT PIT CLOSURE



FINAL AT RAMP CLOSURE @ 10' RAMP DEPTH



FINAL AT RAMP CLOSURE @ 5' RAMP DEPTH



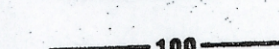
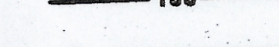
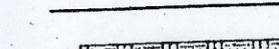

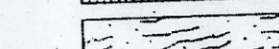
FINAL CLOSURE CROSS SECTION

GENERAL TOLERANCES		REFERENCE DWG. NO.	
UNLESS OTHERWISE SPECIFIED:			
TOLERANCES ON MACHINE DIMENSIONS			
FRACTIONAL	± 1/64"		
DECIMAL	± .005"		
METRIC	± .12mm		
TOLERANCES ON FABRICATION DIMENSIONS			
HOLE LOCATION	± 1/32"		
GENERAL FABRICATION	± 1/16"		
NO.	DATE	NOTES	APP. BY
REVISIONS			
NOTICE - THIS DRAWING IS FURNISHED SUBJECT TO THE CONDITIONS THAT IT SHALL NOT BE COPIED OR DISCLOSED TO OUTSIDE PARTIES WITHOUT WRITTEN CONSENT OR USED IN ANY WAY DETRIMENTAL TO NUCOR. ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED. NUCOR CORPORATION			
SCALE: 1:96 (1/8"=12")		DATE: 11-8-99	
DRAWN: R. SCOTT		ASS'Y. DWG.:	
TRACED:		SUPERSEDED BY:	
CHK'D.:		SUPERSEDED BY:	
APP'D.: D. JONES		MATERIAL & REFUSE	
FILE NO.	G2093A	DWG. NO.	G2093A
		REV. NO.	

NUCOR R15.0 PLOT: 11-15-1999 14:25
NUCOR STEEL
 A DIVISION OF NUCOR CORPORATION
 PLYMOUTH, UTAH

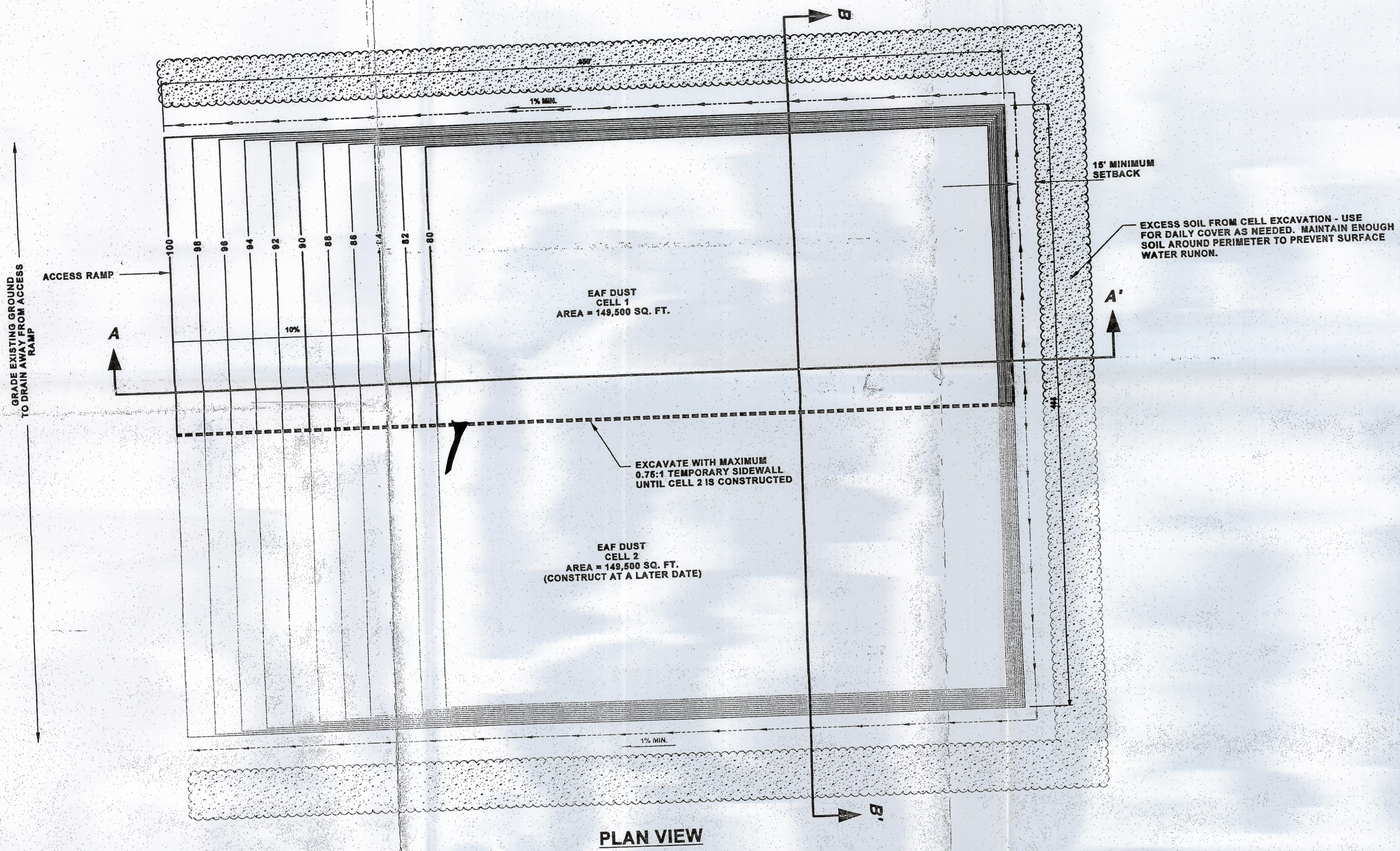
GENERAL - LANDFILL
 SECTIONS, DETAILS
 & LAYOUTS

LEGEND

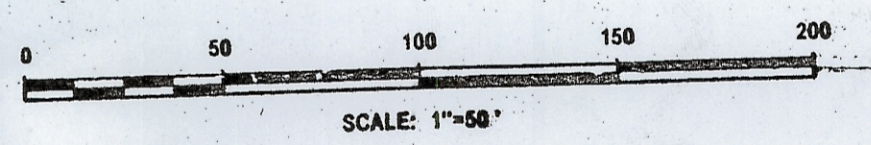
-  PROPOSED 10' CONTOUR
-  PROPOSED 2' CONTOUR
-  NATIVE SOIL
-  EAF DUST
-  EXCAVATED SOIL

NOTES

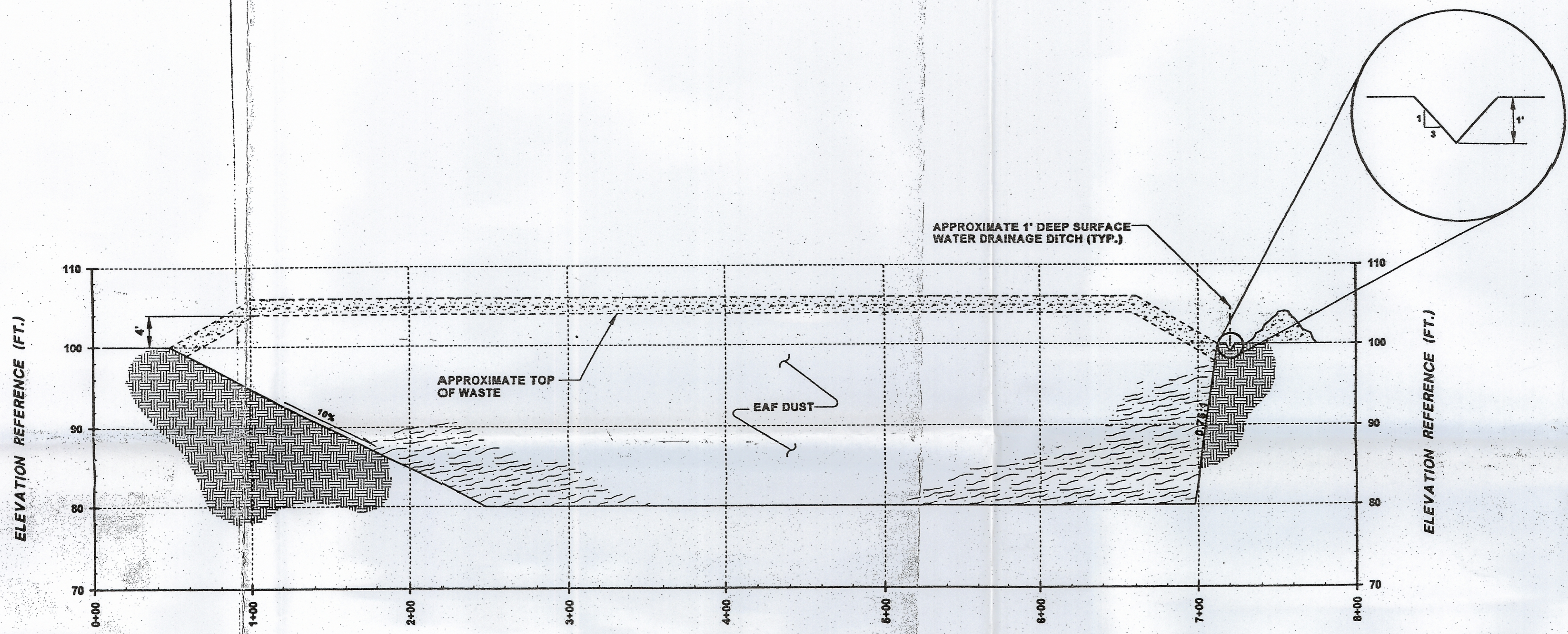
1. ELEVATIONS SHOWN ARE FOR REFERENCE ONLY. ACTUAL ELEVATIONS WILL BE TIED TO A SITE SPECIFIC DATUM.
2. CELL 1 CONSTRUCTED FIRST.



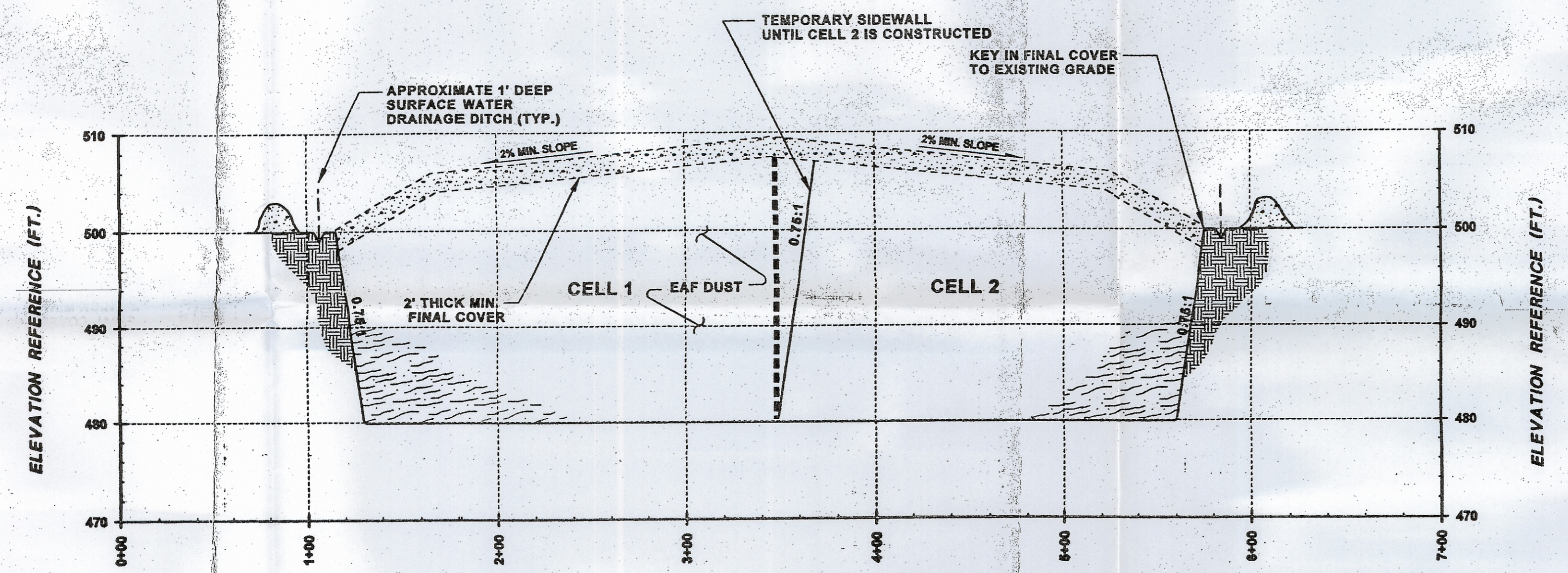
PLAN VIEW



LEVELS
 100
98
96
94
92
90
88
86
84
82
80
 10%
 1% MIN.
 1% MIN.
 15' MINIMUM SETBACK
 ACCESS RAMP
 GRADE EXISTING GROUND TO DRAIN AWAY FROM ACCESS RAMP
 EXCAVATE WITH MAXIMUM 0.75:1 TEMPORARY SIDEWALL UNTIL CELL 2 IS CONSTRUCTED
 EXCESS SOIL FROM CELL EXCAVATION - USE FOR DAILY COVER AS NEEDED. MAINTAIN ENOUGH SOIL AROUND PERIMETER TO PREVENT SURFACE WATER RUNON.
 EAF DUST CELL 1
 AREA = 149,500 SQ. FT.
 EAF DUST CELL 2
 AREA = 149,500 SQ. FT.
 (CONSTRUCT AT A LATER DATE)
PLAN VIEW
 SCALE: 1"=50'
 PROJECT:
 NUCOR STEEL
 A DIVISION OF NUCOR CORPORATION
 PLYMOUTH, UTAH
 SHEET TITLE:
 CLASS IIIb LANDFILL PERMIT MODIFICATION
 EAF DUST LANDFILL
 DRAWN BY: starrett
 CHECKED BY: JFC
 APPROVED BY: JFC
 DATE: MARCH 2003
 SCALE: 1"=50'
 PROJ. NO.: 6122.01
 FILE NO.: BASEG.PLT
 DATE PRINTED: MAR 12 2003
 FIGURE 1
 744 Heartland Trail
 Madison, WI 53717-1936
 P.O. Box 8923 53708-8923
 Phone: 608-831-4448
 Fax: 608-831-3334
RMT INC.



SECTION A - A'



SECTION B - B'

LEGEND

---	PROPOSED FINAL COVER GRADE
---	PROPOSED BASE GRADE
[Hatched Pattern]	NATIVE SOIL
[Wavy Pattern]	EAF DUST
[Dotted Pattern]	EXCAVATED SOIL

- NOTES**
- ELEVATIONS SHOWN ARE FOR REFERENCE ONLY. ACTUAL ELEVATIONS WILL BE TIED TO A SITE SPECIFIC DATUM.
 - CONSTRUCT CELL 1 IN FIRST CONSTRUCTION SEASON.

LOGICAL NAMES

01:17: 54.12.34.3

02:17: 54.12.34.3

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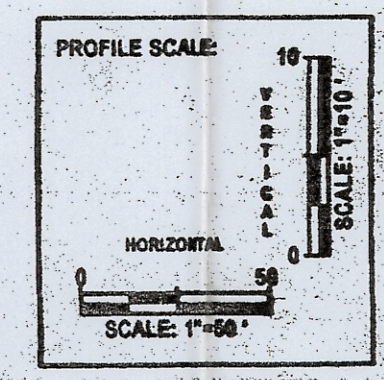
96:17: 54.12.34.3


97:17: 54.12.34.3

98:17: 54.12.34.3

99:17: 54.12.34.3

100:17: 54.12.34.3



3.				
2.				
1.				
NO.	BY	DATE	REVISION	APP'D.
PROJECT: NUCOR STEEL A DIVISION OF NUCOR CORPORATION PLYMOUTH, UTAH				
SHEET TITLE: CLASS IIIb LANDFILL PERMIT MODIFICATION EAF DUST LANDFILL ENGINEERING CROSS SECTIONS				
DRAWN BY:	stomard	SCALE:	AS SHOWN	PROJ. NO. 6122.01
CHECKED BY:	JSC	FILE NO.:	XSECTIONS.PLT	
APPROVED BY:	JSC	DATE PRINTED:	MAR 13 2003	FIGURE 2
DATE:	MARCH 2003			
				
744 Heartland Trail Madison, WI 53717-1834 P.O. Box 8923 63708-8923 Phone: 608-831-4444 Fax: 608-831-3334				

Attachment 7
Training and Safety Plan

Landfill Training and Safety Plan

Site Operator Training

Nucor will assign either a contractor or a Nucor employee or employee(s) to operate the landfill in accordance with permit requirements. The operator will be provided a copy of the landfill application and any updates that were used for permitting purposes with the Utah Division of Environmental Quality. The information contained in the application, and any additional specifications or requirements contained in a permit issued by the state will be used to specify the operating procedures for the landfill to satisfy environmental requirements. In addition, the landfill will be routinely inspected by Nucor employees responsible for maintaining plant wide compliance with environmental regulations and guidance will be provided to the operator as needed.

The entire Nucor facility is covered by the Occupational Safety and Health Administration. The landfill will be operated in compliance with these regulations to satisfy both safety training and operating safety requirements.

Nucor Employee and Contractor Training

Each Nucor employee receives environmental and safety training upon hire. Waste handling procedures, including the types of materials that are acceptable to be placed in the landfill are included in this initial employee training. In addition, at least annually, Nucor employees will receive a review of waste handling procedures at the facility. Department managers receive periodic guidance on landfill use that is passed on to individual employees as necessary.

Employees of on site contractors receive both environmental and safety training as necessary from the contractor. Additional environmental training is provided to users of the landfill by the landfill site operator on an ongoing basis as described in the landfill application and permit.

Attachment 8
Seed Mixture, Application, and Cost Information



QUOTE

Invoice Date:
19-Mar-21

Invoice Number: **459602**

1697 West 2100 North
Lehi, Utah 84043
Toll Free (800) 992-5040
Fax (801) 768-3967

(please show this invoice number on all payments)

Project: Landfill Reclamaiton

Sold To:
Nucor Steel Co
P.O. Box 100
Plymouth, UT 84330

Ship To:
Nucor Steel Co
7285 W 2120 N
Plymouth, UT 84330

Terms: Net 30	Customer P.O.:	Ordered By:	Phone Number: 435-458-2491	Customer Number: C23392
Shipper: BEST - Cheapest	Freight: Prepaid/Collect Prepaid	FOB: Origin	Sales Rep: Ryan Timoney	Date Shipped:

Pricing	Quantity Shipped		Description	Variety	Price	Total
	PLS	Bulk				
*** MIX # 215641 Landfill Reclamaiton ***						
PLS #	4.00	4.00	Pascopyrum smithii Western wheatgrass	VNS		
PLS #	4.00	4.00	Pseudoroegneria spicata ssp. spicata Bluebunch wheatgrass	VNS		
PLS #	4.00	4.00	Elymus trachycaulus ssp. trachycaulus Slender wheatgrass	VNS		
PLS #	2.00	2.00	Festuca ovina Fescue, Sheep	VNS		
PLS #	1.00	1.00	Elymus elymoides Bottlebrush squirreltail	VNS		
PLS #	1.00	1.00	Poa ampla Big bluegrass	VNS		
PLS #	1.50	1.50	Linum lewisii Lewis flax	VNS		
PLS #	0.50	0.50	Achillea millefolium var. occidentalis Yarrow, Western	VNS		
PLS #	1.00	1.00	Purshia tridentata Bitterbrush, Antelope	VNS		
PLS #	0.50	0.50	Ericameria nauseosa ssp. nauseosa Rabbitbrush, Rubber	VNS		
PLS #	0.50	0.50	ARTEMISIA TRIDENTATA Sagebrush, Basin Big	VNS		

MIX SUBTOTAL (1 Acre @ \$ 265.0000 Per Acre): \$ 265.00



1697 West 2100 North
Lehi, Utah 84043
Toll Free (800) 992-5040
Fax (801) 768-3967

QUOTE

Invoice Date:
19-Mar-21

Invoice Number: **459602**

(please show this invoice number on all payments)

Project: Landfill Reclamaiton

Notes:

Subtotal:	265.00
Freight:	0.00
Sales Tax:	pending
GRAND TOTAL:	\$ 265.00
PLEASE PAY PER THIS INVOICE. NO STATEMENT WILL BE SENT	

Attachment 9
Cost Estimate for Closure and Post-Closure Care

Nucor Steel - Plymouth
Year 2021 Permit Renewal Financial Assurance
Landfill Closure and Reclamation Cost Estimate for Industrial Waste Cells and EAF Dust Monofill Cell

Reclamation

Activity	Equipment or Method	Reference	Cost	Units	Nucor Variable 1	Variable 1 Units	Nucor Variable 2	Variable 2 Units	Total Cost year 2007 Basis	Comment
Final Cover and Regrade of Landfill Cell, 1875 yds/cell, 10 cells maximum	Dozer	Means 31 23 23 14 4040	1 22	\$/CY	18750	CY			\$22,815 00	RSMeans 2010 2021 estimates of Site Work and Landscape Cost Data using DWMRC Inflation factors
Final cover and regrade EAF dust monofill 6.9 acres @ 2 feet = 22,300 cy	Dozer	Means 31 23 23 14 4040	1 22	\$/CY	22300	CY		\$27,134 64		
Ripping of Landfill Access Road for Seeding Preparation - Maximum Length (1200'), 20' Wide, 6" Deep	Dozer with Ripper	Means 31 23 16 32 2200	2 00	\$/CY	444	CY		\$888 31		
Seeding Re-graded Cells - Labor	Hand Spread	Estimate	36 53	\$/hr	8	hours/acre	35	acre	\$10,228 19	2021 cost revised from year 2000 approved calculations using DWMRC Inflation factors
Tracking Seeded Area	Dozer	Means 01590-200-4260	1,187 63	\$/day	8	acre/day	35	acre	\$5,195 87	2021 cost revised from year 2010 approved calculations using DWMRC Inflation factors
Seed Cost		Vendor Quote	265 00	\$/acre	20	lb/acre	35	acres	\$9,275 00	2021 Vender Quote
Reclamation Total Cost									\$75,537 01	2021 permit renewal cost

Post Closure Care

Activity	Frequency	Reference	Cost (year 2000 approved baseline estimates)	Year 2010 Revised Baseline Cost	Year 2021 Revised Baseline Cost	Units	Nucor Variable 1	Variable 1 Units	Nucor Variable 2	Variable 2 Units	Escalation Factor (%/year)	# of years to escalate	Cost Using Year 2008 Basis Projected To Year of Work	Comment
Inspections (includes travel time, on-site visual survey of the landfill area, and report)	Year 1	Estimate	500 00	624 43	779 83	\$/inspector		2 Inspections			2.5	0	\$1,559 66	
	Year 2	Estimate	500 00	624 43	779 83	\$/inspector		2 Inspections			2.5	1	\$1,598 65	
	Year 3	Estimate	500 00	624 43	779 83	\$/inspector		2 Inspections			2.5	2	\$1,638 62	
	Year 4	Estimate	500 00	624 43	779 83	\$/inspector		2 Inspections			2.5	3	\$1,679 58	
	Year 5	Estimate	500 00	624 43	779 83	\$/inspector		2 Inspections			2.5	4	\$1,721 57	
	Year 6	Estimate	500 00	624 43	779 83	\$/inspector		2 Inspections			2.5	5	\$1,764 61	
	Year 7	Estimate	500 00	624 43	779 83	\$/inspector		2 Inspections			2.5	6	\$1,808 73	
	Year 8	Estimate	500 00	624 43	779 83	\$/inspector		2 Inspections			2.5	7	\$1,853 94	
	Year 9	Estimate	500 00	624 43	779 83	\$/inspector		2 Inspections			2.5	8	\$1,900 29	
	Year 10	Estimate	500 00	624 43	779 83	\$/inspector		2 Inspections			2.5	9	\$1,947 80	
	Year 11	Estimate	500 00	624 43	779 83	\$/inspector		2 Inspections			2.5	10	\$1,996 50	
	Year 12	Estimate	500 00	624 43	779 83	\$/inspector		2 Inspections			2.5	11	\$2,046 41	
	Year 13	Estimate	500 00	624 43	779 83	\$/inspector		2 Inspections			2.5	12	\$2,097 57	
	Year 14	Estimate	500 00	624 43	779 83	\$/inspector		2 Inspections			2.5	13	\$2,150 01	
	Year 15	Estimate	500 00	624 43	779 83	\$/inspector		2 Inspections			2.5	14	\$2,203 76	
	Year 16	Estimate	500 00	624 43	779 83	\$/inspector		2 Inspections			2.5	15	\$2,258 85	
	Year 17	Estimate	500 00	624 43	779 83	\$/inspector		2 Inspections			2.5	16	\$2,315 32	
	Year 18	Estimate	500 00	624 43	779 83	\$/inspector		2 Inspections			2.5	17	\$2,373 21	
	Year 19	Estimate	500 00	624 43	779 83	\$/inspector		2 Inspections			2.5	18	\$2,432 54	
	Year 20	Estimate	500 00	624 43	779 83	\$/inspector		2 Inspections			2.5	19	\$2,493 35	
	Year 21	Estimate	500 00	624 43	779 83	\$/inspector		2 Inspections			2.5	20	\$2,555 68	
	Year 22	Estimate	500 00	624 43	779 83	\$/inspector		2 Inspections			2.5	21	\$2,619 57	
	Year 23	Estimate	500 00	624 43	779 83	\$/inspector		2 Inspections			2.5	22	\$2,686 06	
	Year 24	Estimate	500 00	624 43	779 83	\$/inspector		2 Inspections			2.5	23	\$2,752 19	
	Year 25	Estimate	500 00	624 43	779 83	\$/inspector		2 Inspections			2.5	24	\$2,821 00	
	Year 26	Estimate	500 00	624 43	779 83	\$/inspector		2 Inspections			2.5	25	\$2,891 52	
	Year 27	Estimate	500 00	624 43	779 83	\$/inspector		2 Inspections			2.5	26	\$2,963 81	
	Year 28	Estimate	500 00	624 43	779 83	\$/inspector		2 Inspections			2.5	27	\$3,037 90	
	Year 29	Estimate	500 00	624 43	779 83	\$/inspector		2 Inspections			2.5	28	\$3,113 85	
	Year 30	Estimate	500 00	624 43	779 83	\$/inspector		2 Inspections			2.5	29	\$3,191 70	
Repair erosion or settlement damage, redirect run-on or run-off	Dozer	Means 31 23 23 14 4040	0 71	1 04	1 22	\$/CY	3000	CY			1 02	29	\$4,899 53	RSMean 2010 Site Work and Landscape Cost Data using DWMRC Inflation factors (average over 10 years) for 2021 estimates
Seeding Re-graded Cells - Labor	Hand Spread 1 acre max	Estimate	25 00	27 39	36 53	\$/hr	8	hours/acre	1	Acre	1 02	29	\$392 23	
Tracking Seeded Area	Dozer	Means 01590-200-4260	806 80	1,187 63	1,187 63	\$/day	8	acre/day	1	Acre	1 02	29	\$199 25	
Seed Cost		Vendor Quote	169 00	185 16	265 00	\$/acre	20	lb/acre	1	Acre	1 02	29	\$265 00	
Post Closure Care Total Cost													\$74,229 24	2021 permit renewal cost

Reclamation	Post Closure	
Total Reclamation and Post Closure Care Cost Subject To Financial Assurance	\$75,537.01	+ \$74,229.24 = \$149,766.25

Attachment 10

Financial Assurance

Following is proof of financial assurance for the landfill as approved and constructed to date. The mechanism for financial assurance for the modification of the landfill will not change, however, the amount will have been increased to the amount now calculated.

TRAVELERS

VERIFICATION CERTIFICATE

License No. _____

Bond No.: 103314278

Current Billing Term From July 11, 2020 to July 11, 2021

THIS IS TO CERTIFY that the above referenced Bond,
issued by Travelers Casualty and Surety Company of America,
dated July 11, 2000, in the amount of One Hundred and Seventy Five Thousand (\$175,000.00) on behalf of
NUCOR STEEL, A DIVISION OF NUCOR CORPORATION (as Principal),
and in favor of DIRECTOR OF THE DIVISION OF WASTE MANAGEMENT AND RADIATION CONTROL OF THE STATE OF UTAH (as Obligee),
remains in effect, subject to all agreements, conditions and limitations.

Signed, sealed and dated April 20, 2020

Travelers Casualty and Surety Company of America



By:

Ana W. Oliveras

Ana W Oliveras, Attorney-in-Fact



**Travelers Casualty and Surety Company of America
Travelers Casualty and Surety Company
St. Paul Fire and Marine Insurance Company**

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS: That Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company are corporations duly organized under the laws of the State of Connecticut (herein collectively called the "Companies"), and that the Companies do hereby make, constitute and appoint **ANA W OLIVERAS** of **PALM BEACH Florida**, their true and lawful Attorney-in-Fact to sign, execute, seal and acknowledge any and all bonds, recognizances, conditional undertakings and other writings obligatory in the nature thereof on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

IN WITNESS WHEREOF, the Companies have caused this instrument to be signed, and their corporate seals to be hereto affixed, this 17th day of January, 2019.



State of Connecticut

City of Hartford ss.

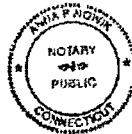
By: _____

Robert L. Raney, Senior Vice President

On this the 17th day of January, 2019, before me personally appeared **Robert L. Raney**, who acknowledged himself to be the Senior Vice President of Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company, and that he, as such, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing on behalf of said Companies by himself as a duly authorized officer.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

My Commission expires the 30th day of June, 2021



Anna P. Nowik, Notary Public

This Power of Attorney is granted under and by the authority of the following resolutions adopted by the Boards of Directors of Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company, which resolutions are now in full force and effect, reading as follows:

RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President, any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary may appoint Attorneys-in-Fact and Agents to act for and on behalf of the Company and may give such appointee such authority as his or her certificate of authority may prescribe to sign with the Company's name and seal with the Company's seal bonds, recognizances, contracts of indemnity, and other writings obligatory in the nature of a bond, recognizance, or conditional undertaking, and any of said officers or the Board of Directors at any time may remove any such appointee and revoke the power given him or her; and it is

FURTHER RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President may delegate all or any part of the foregoing authority to one or more officers or employees of this Company, provided that each such delegation is in writing and a copy thereof is filed in the office of the Secretary; and it is

FURTHER RESOLVED, that any bond, recognizance, contract of indemnity, or writing obligatory in the nature of a bond, recognizance, or conditional undertaking shall be valid and binding upon the Company when (a) signed by the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary and duly attested and sealed with the Company's seal by a Secretary or Assistant Secretary; or (b) duly executed (under seal, if required) by one or more Attorneys-in-Fact and Agents pursuant to the power prescribed in his or her certificate or their certificates of authority or by one or more Company officers pursuant to a written delegation of authority; and it is

FURTHER RESOLVED, that the signature of each of the following officers: President, any Executive Vice President, any Senior Vice President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary, and the seal of the Company may be affixed by facsimile to any Power of Attorney or to any certificate relating thereto appointing Resident Vice Presidents, Resident Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such Power of Attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding on the Company in the future with respect to any bond or understanding to which it is attached.

I, **Kevin E. Hughes**, the undersigned, Assistant Secretary of Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company, do hereby certify that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which remains in full force and effect.

Dated this 20th day of April, 2020



Kevin E. Hughes, Assistant Secretary

To verify the authenticity of this Power of Attorney, please call us at 1-800-421-3880.
Please refer to the above-named Attorney-in-Fact and the details of the bond to which this Power of Attorney is attached.

