



Factsheet
Auto Shredder Residue (ASR) Repository
Shepherd, MT
October 31, 2023

Key Project Points of Interest

- The repository is for the company's non-hazardous ASR only. It will not be a public landfill.
- The repository footprint will be less than 24 acres over the next 25 years. After an area is completed, it will be prepared for use as a grazing site.
- The project will be compliant with all federal, state, and local regulations.

About Pacific Steel & Recycling

PS&R Pacific Steel and Recycling has been in Montana for more than 100 years and is headquartered in Great Falls, MT. The company and its employee owners are dedicated to steel and recycling service needs.

Each year, more than 130 million metric tons of scrap metal, paper, plastic, glass, textiles, rubber, and electronics are manufactured into various grades of repurposed steel with the support of the scrap recycling and shredding industry. Without this, the unwanted items would be discarded. Recycling saves energy, natural resources and reduces greenhouse emissions.

Pacific Steel and Recycling owns and operates one of nearly 300 auto shredder facilities in the United States. (See photo.) At its facility outside of Billings, the company recovers almost 80 percent of the material generated while shredding items like appliances and automobiles. The portion of non-recoverable materials is referred to as auto shredding residue (ASR), which consists of fine metallics, plastics and glass, sorted-out during the recycling process.

The Purpose of Project Forward

Project Forward is dedicated to developing and licensing a monofill repository facility to store ASR. This allows for the possibility of maximum recovery of recyclable material in the future – instead of forever disposal in a landfill. New technology shows industry may be within a few years of such opportunity. At this time, the material is sent to the Billings Regional Landfill and can never be reclaimed.

Questions and Answers about the Project

The Material

What do the letters ASR mean?

The portion of non-recoverable materials collected during the shredding process is referred to as auto shredding residue (ASR).

What is ASR?

It consists of fine metallics, plastics and glass, sorted-out during the recycling process.

Is the material hazardous?

It is not. It is classified by the state of Montana as non-hazardous. It is in the same classification as residential waste.

How do you know it is non-hazardous?

There is quarterly testing by a qualified third-party that is used to ensure the material is meeting that classification. This material has been going to the Billings Regional Landfill since 2014.

Is this facility accepting all material allowed in with a Class II license?

A Class II permit covers various material as described in the MDEQ Environmental Assessment. Pacific has committed to only placing ASR in the repository. That is detailed in the application and will be bound by law.

Site Selection and Purpose

Why does Pacific Steel and Recycling want to build a repository?

Technology is advancing. The repository allows for maximum recovery of recyclable material (i.e., environmental sustainability) instead of forever disposal in a landfill. It enables the company to have complete oversight of the process and immediate access to the material.

Why build a repository?

Recycling is about keeping things out of a landfill. This allows for the possibility of maximum recovery of recycled material in the future - instead of forever disposal in a landfill. New technology shows industry may be within a few years of such opportunity.

Why was the site selected?

The site was selected due to its proximity with Pacific's recycling facilities. The site's geology meets the requirements for constructing a repository.

What environmental studies were used to prepare the plans?

The application includes several years of site research and planning to determine the viability of the project. Before the repository design work began, the team at Montana-based Great West Engineering carried out on-site testing to define the appropriate specifications for the project. This included site borings to know the exact characteristics of the soil and rock formations at various levels below the surface. Additionally, drilling was conducted in various areas of the site to learn the depth at which moisture and/or water could be detected. Details from the borings and drilling were used to complete the application for the facility and includes measures to ensure groundwater protection. Additional studies were carried out to define overall protective measures for the project. This includes traffic and road safety, daily operations of the facility, methods to manage aesthetics and surface water that comes onto the site.

Who conducted the studies?

This work was conducted by Montana-based Great West Engineering. Led by a team of experts in this field, Great West has more than 35 years of experience in designing and constructing facilities, such as Project Forward.

What agencies were involved in the project?

Montana DEQ is the primary agency involved. DEQ included multiple agencies and special interest groups in its license review and environmental assessment process.

How was the facility designed?

The facility will be lined with a state of-the-art composite liner system and leachate collection system to prevent contamination to groundwater. It will be equipped with a groundwater monitoring network which will be regularly tested to ensure groundwater is not contaminated. Also, it will meet all federal, state, and local stormwater control requirements including no discharge 25 year, 24 hour, storm event criteria.

Application and Environmental Assessment

Who prepared the application?

It was prepared by Great West Engineering on behalf of Pacific Steel and Recycling.

Who prepared the draft environmental assessment?

The Montana Department of Environmental Quality.

How is the comment period decided?

MT DEQ determined ten days (initial). The agency has added an extension through the end of November.

Operations

What are the hours of operation?

The site routine will operate 8 a.m. until 5 p.m., Monday through Friday.

How many people will work at the site?

It is anticipated that two people will work at the site.

What type of equipment will be used?

For the small scale project, the facility will have three equipment on-site: a loader, a compactor and an excavator.

What will this look like aesthetically? Will you develop landscaping to blend into the local landscape?

The facility will be constructed and maintained aesthetically to blend in with the local landscape.

What is the process for placing the material in the storage area?

A trailer will unload material to the ground, a compactor will spread and compact material into the repository, and a loader will provide daily cover.

How long does it take to unload one truck and properly store the material?

The three step process will take less than one hour for each load.

How will you prevent dust from leaving the site?

Pacific Steel & Recycling has committed to controlling dust on site by watering on-site roads and applying dust suppression on Shepherd Acton Road between the highway and Pacific's approach to the facility.

Will you stop operations during windy periods?

Pacific Steel and Recycling has committed to stopping operations during high-wind events.

What level and type of sound will come from the site?

It will be a muffled diesel engine when the compactor is operating, and an idling or backup indicator when the hauler is at the site. The facility will be open 8 a.m. to 5 p.m., Monday thru Friday. During the construction period, which is anticipated to be approximately 90 days, more equipment will be on the site during daylight hours.

How much lighting will there be at the site at night?

The only lighting will be a security light for the building.

Transportation

How will the material be transported to the site?

It will be hauled by truck.

What will be the transportation route?

It will be hauled on Highway 87 to Shepherd Acton Road.

How will trucks enter and exit the site?

Trucks will turn into and leave the site from Shepherd Acton Road.

How many trucks are expected each day?

5 to 10 trucks on a daily basis.

How will the trucks be managed to prevent material from getting onto the road?

The trucks will be covered.

Additional Information and Questions

How do I learn more?

For more information, please visit the project Facebook page: Project Forward or contact Mary Green at 304-932-7673 or mgreen@magc.info.

This document was prepared and distributed by Pacific Steel and Recycling.

For more information, please visit the project Facebook page: Project Forward or contact Mary Green at 304-932-7673 or mgreen@magc.info.

Project Forward Stakeholder Engagement and Outreach
Sponsored by Pacific Steel and Recycling
Report Prepared: November 20, 2023

Pacific Steel & Recycling began community engagement and outreach about the project in October 2021. Since that time, the company and its project team have communicated with 40 community members and leaders, sponsored an open house, set up a project Facebook Page, and participated in media interviews. This document provides insight into the work.

Stakeholder Groups (Meetings and Direct Communications)

- Neighboring Landowners/Lessee
- Independent School
- Shepherd School
- Yellowstone County Environmental Dept.
- Yellowstone County EMA
- Yellowstone County Extension Office
- Big Sky Economic Development
- Northern Plains Resource Council
- Bureau of Land Management
- Yellowstone County News
- Shepherd Volunteer Fire Department
- Yellowstone County Health Department
- Yellowstone County Sheriff's Office
- Local, County, State, Federal Elected Officials

(See back page for outreach conducted.)

Methods and Dates of Outreach and Engagement

2021

- October and November
 - Initial Contact by Email/Phone Call
 - First Meeting/Introduction
 - Thank You Email/Update, Post Meeting

2022

- August
 - Meetings and Visits
 - Thank You Email and White Paper
- December
 - Email Letter from Marshall Re: Submittal
 - Personal Call/Text to Tell Application Being Submitted/Look for Email
 - FB Page Launched/Email

2023

- January
 - Facebook Post (1)
- February
 - Facebook Post (1)
 - February Visits
- April
 - Facebook Post (1)
- July
 - Open House Invitation
 - Facebook Post (2)
 - Project Open House
 - Yellowstone County Newspaper Article
- August
 - Facebook Post (1)
- September
 - Public Comment Period Email
- October
 - Facebook Post (5)
 - Postcard Mailing to 1400 Address
- November
 - Facebook Post (5)
 - Yellowstone County Newspaper Article
 - Community Visit
 - Channel 2 Interview
 - Channel 8 Interview
 - Billings Gazette Interview
 - Email about Public Meeting

Our Environmental & Safety Commitment....

At Pacific Steel & Recycling, we strive to be the best environmental stewards we can be in the communities we're a part of and we kindly ask that our customers help us with this commitment in the material they bring to us.



In this pamphlet, you'll find a general overview of our "Material Acceptance Standards" that should assist you, as our valued customer, in getting to know what items at this PS&R facility we don't recycle and consider as "prohibited items."

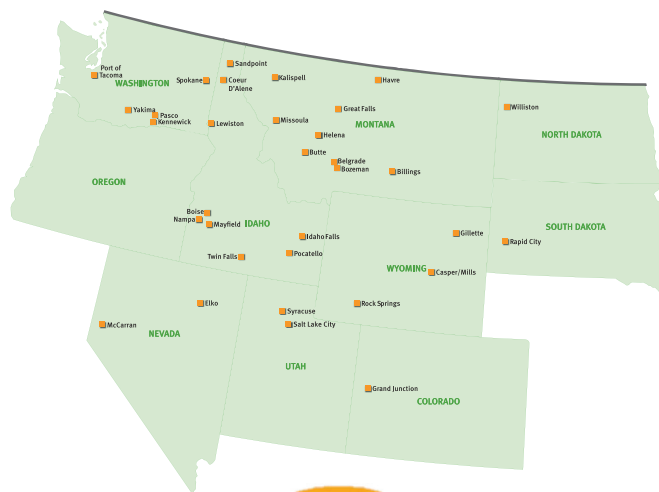


If you have any additional questions related to this pamphlet or the info therein, please don't hesitate to contact any one of our employee-owners as we'd be happy to assist.

Thank you again for choosing Pacific Steel & Recycling as your local recycler and here's to making our communities a better place..

THANK YOU

for choosing Pacific!



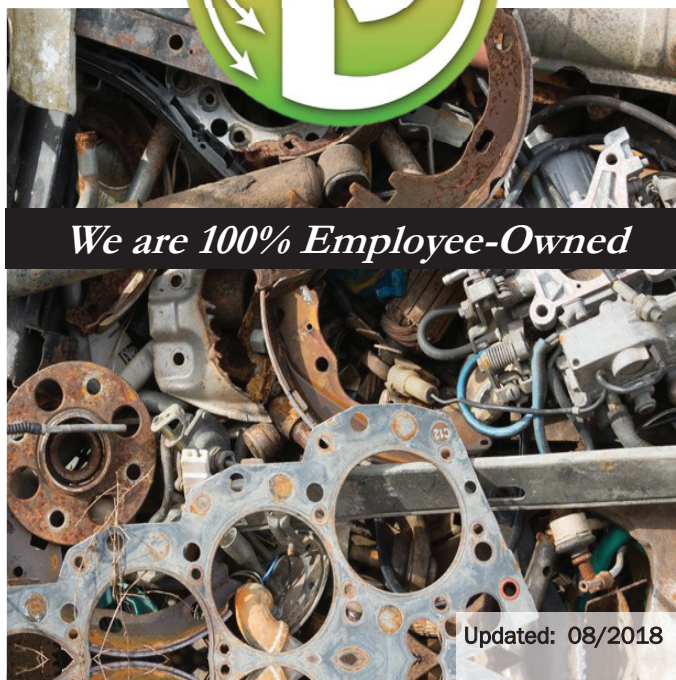
MATERIAL ACCEPTANCE STANDARDS



QUALITY



ASSURANCE



We are 100% Employee-Owned

Updated: 08/2018

PROHIBITED ITEMS

- **Radioactive Materials**
(or, items with a radioactive label, i.e. X-ray equipment, military/airplane gauges, smoke detectors, TENORM, etc.)



- **Explosive Materials/ Live Munitions**
(including loaded frac-pipe and all live ammunition shells)



- **Pressurized Gas Cylinders/Sealed Containers** (must be devalued or visibly vented with adequate size hole)



- **Tanks/Drums**
(w/out Empty Tank Certificates and proper venting/holes)



- **Accumulators**
(w/out Empty Tank Certificate, plugs removed, drained and remediated)



- **Flammable Liquids**
(i.e. separated oil/gasoline)



- **Items w/ Flammable Liquids** (i.e. lawnmowers, tractors, other hydraulic equipment. Please drain fluids prior to our acceptance)



- **Lithium-Ion Batteries**
(unless source-separated from rechargeable electronics, hybrid-autos, etc.)



PROHIBITED ITEMS

- **Asbestos**
(i.e. friable or non-friable > than 1%)



- **Biohazards**
(i.e. medical wastes, needles, other)



- **Chemicals/Hazardous Wastes** (i.e. poisons, household cleaning supplies, etc.)



- **AC Compressors/ Fridges** (w/out CFC evacuation certification or if PS&R facility does not have capacity to properly remediate)



- **Ballasts, Transformers or Capacitors**
(w/out "Non-PCB" label or documentation showing under 50ppm)



- **Mercury** (i.e. fluorescent lights, thermometers, other)



- **Aerosol Cans**
(unless punctured and drained)



- **Oil filters**
(unless drained via "hot method")



PROHIBITED ITEMS

- **Paint Cans**
(unless completely dry and less than 5 gallons)



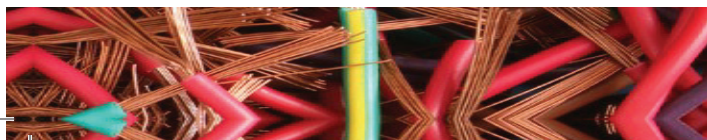
- **Other Household Batteries** (AAA, AA, D, NiCd, NiMH, other. Please remove from items prior to our acceptance)



- **Yard Wastes/Other**
(i.e. dirt, grass, leaves, rock, wood, carpet, garbage, concrete, rubber, glass, and plastic)



The prohibited items listed above are subject to change and may not include all items related to this PS&R facility. Please inquire at your local facility for more info.



See what's possible.



January 23, 2024

Mr. Fred Collins, Solid Waste Section Supervisor
Solid Waste Section
Montana DEQ
P.O. Box 200901
Helena, MT 59620-0901

**Re: License Application for Auto Shred Residue (ASR) Repository
Supplemental Licensing Information**

Dear Fred:

In consideration of comments received during the public comment period for the above referenced license application, we are submitting the following supplemental information for the Department's consideration.

Project Design Additions

We have several design additions which have been included in the revised Master Plan drawings which are enclosed. Specific design additions include the following:

1) GCL Liner Enhancement for Leachate Pipes and Sump

Pacific Steel previously agreed to place a geosynthetic clay liner (GCL) under the footprint of leachate collection trenches and sumps within the lined areas of the cells. This has been added to the details within the updated Master Plan drawings. Additional details will be provided within the final construction drawings for the Phase 1 cell.

2) Rural Fire Fighting Water Cistern/Dry Hydrant

The location of the cistern has been included in the master plan drawings. Details for the cistern will meet the requirements of the Shepherd Volunteer Fire Department and will be included in the final construction drawings for the Phase 1 cell.

3) Off Site Tracking Control

An off-site vehicle tracking mat and two cattle guards will be installed on Pacific's entrance approach road where it leaves the Shepherd Acton Road as shown on Sheet 3 of the revised Master Plan drawings. Details will be included on the final construction drawings for Cell 1.

4) Storm Water Controls

All the stormwater conveyances and storm water ponds will be upgraded to a 100-year, 24 hour storm event. The revised calculations and design for the ponds

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BILLINGS

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Billings, MT 59101
Ph: (406) 652-5000
F: (406) 248-1363

BOISE

1921 E Overland Road
Meridian, ID 83642
Ph: (208) 576-6646

GREAT FALLS

702 2nd Street Ste #2
Great Falls, MT 59405
Ph: (406) 952-1109

SPOKANE

10220 N Nevada Street
Suite 130
Spokane, WA 99218
Ph: (509) 413-1430

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www.greatwesteng.com



and conveyances will be submitted to DEQ with the final construction drawings for the Phase 1 cell project.

Operations Enhancements

Pacific has agreed to several enhancements to its operations and maintenance plan for the facility. Once these specific commitments are accepted by the DEQ they will be incorporated in the final operations plan for the facility. Specific commitments are as follows:

1) ASR Management and Dust Control

In addition to the implementation of daily cover and compaction of the ASR, Pacific Steel agrees to the following management procedures to deal with proper control of the ASR during wind events:

- a. All ASR loads transported to the repository will be transported in walking floor trailers that are tarped to control material loss.
- b. Pacific Steel will install an anemometer at the repository site to continuously measure wind speed at the site.
- c. When continuous wind speeds as defined by a ten-minute period exceed 35 mph, Pacific will immediately place and compact ASR upon arrival on site to mitigate windblown material.
- d. When continuous wind speeds exceed 45 mph, Pacific will close the facility until wind speeds have subsided for at least two hours before reinitiating operations.
- e. When instantaneous wind gusts exceed 55 mph, Pacific will close the facility until wind speeds have subsided for at least two hours before reinitiating operations.
- f. Pacific Steel has also committed to the installation of litter fences around the active working area to control ASR which will be periodically cleaned by site personnel.
- g. If during ASR unloading, dust is observed to be visibly leaving the licensed facility boundary, Pacific Steel will utilize a Dust Boss misting system to prevent dust transport off site. This is a nationally accepted and proven dust control approach for dust generating activities.

2) ASR Testing

Pacific has utilized a detailed sampling and waste characterization plan for testing ASR generated from its shredders at Mayfield, ID and Lockwood, MT for the last 15 years. This includes quarterly TCLP and PCB as well as annual volatile and semi-volatile testing. Data from this testing shows that over 97% of the results to date have resulted in a non-hazardous determination. The plan also outlines protocol if testing determines that a specific ASR load is hazardous. This includes quarantining the material and shipping it to a hazardous waste facility for disposal in compliance with State and Federal requirements.



Pacific will include its sampling, waste characterization and hazardous waste disposal plan in the final operations and maintenance plan for the repository. As part of the specific plan for the repository, Pacific is committing to increasing the TCLP test frequency to every two months (bi-monthly) for the first year of the operation. If testing is clean during this period, Pacific will revert to quarterly TCLP testing thereafter.

If you have any follow-up questions or concerns, please contact me at my office.

Sincerely,
Great West Engineering, Inc.

A handwritten signature in blue ink, appearing to read "Robert Church", is written over the printed name.

Robert Church, PE
Senior Project Manager

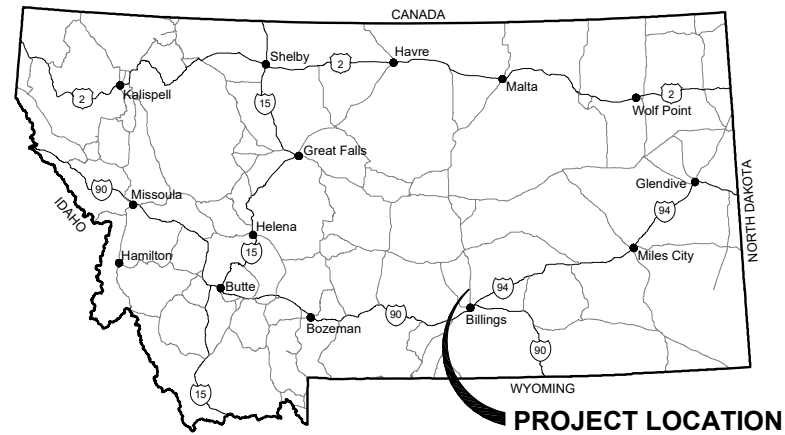
cc: Pacific Steel and Recycling
Rick Thompson, DEQ

SHEET INDEX

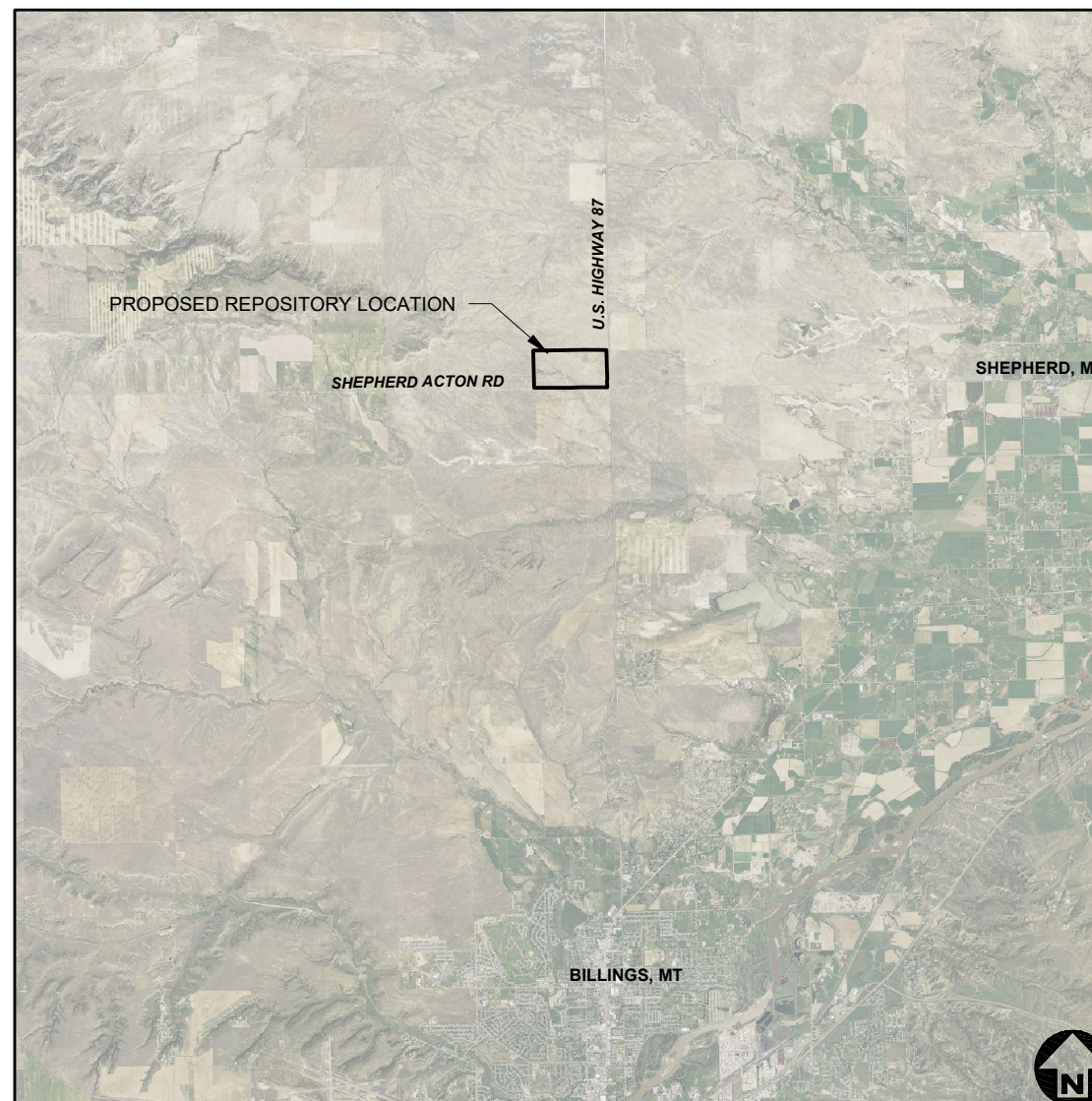
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DATE: JANUARY 16, 2024

SHEET 1	COVER
SHEET 2	LEGEND, ABBREVIATIONS, AND GENERAL NOTES
SHEET 3	SEQUENCE PLAN
SHEET 4	OVERALL CUT PLAN
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SHEET 6	CROSS SECTIONS
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SHEET 19	CROSS SECTIONS
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SHEET 23	DETAILS
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SHEET 25	DETAILS

PACIFIC STEEL & RECYCLING AUTO SHRED RESIDUE (ASR) REPOSITORY MASTER PLAN



SECTION 03, TOWNSHIP 02N, AND RANGE 26E



NOT TO SCALE

PLANS PREPARED FOR:

PACIFIC STEEL & RECYCLING



APPROVED BY:

ROBERT E. CHURCH, P.E.
GREAT WEST ENGINEERING



QA/QC BY:

STEPHANIE M. BECKERT, P.E.
GREAT WEST ENGINEERING



PLANS PREPARED BY:

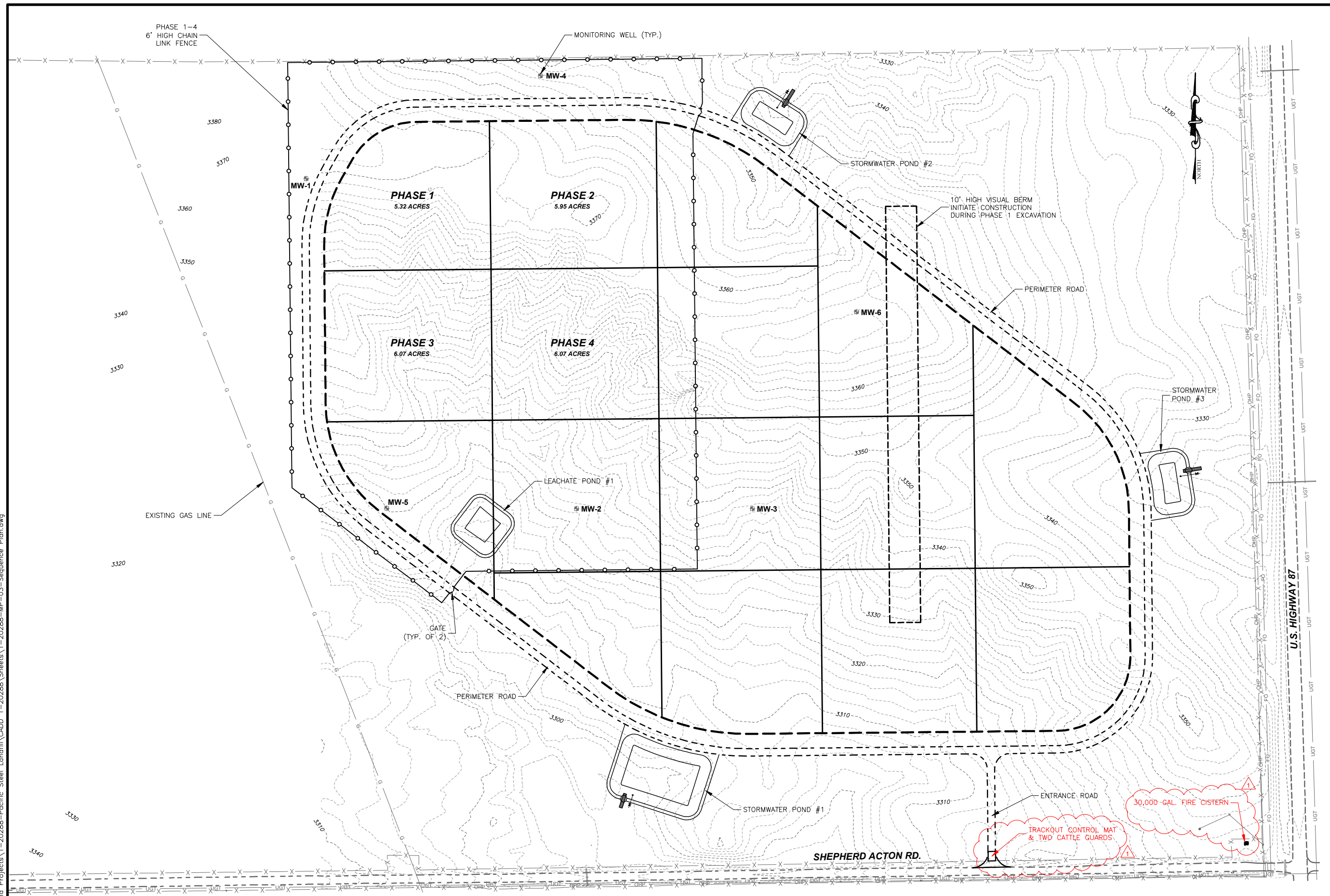
BRET ANDERSON
STETSON RATZLAFF, EI



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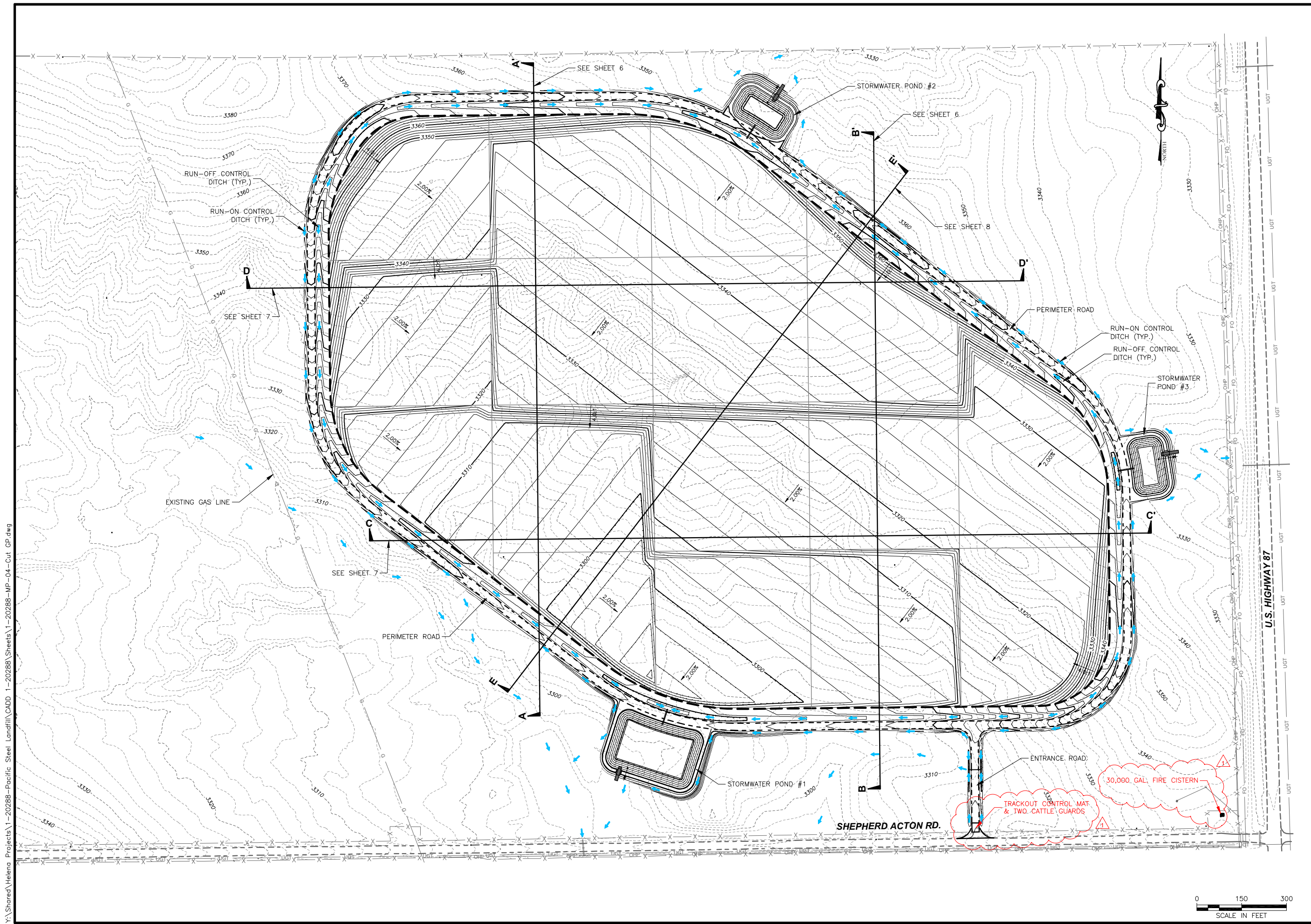
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 DRAWN: BAA/STR
 CHECKED: SMB
 APPROVED: REC
 DATE: JANUARY 16, 2024



**PACIFIC STEEL & RECYCLING
 AUTO SHRED RESIDUE (ASR)
 REPOSITORY MASTER PLAN**
 SEQUENCE PLAN

SHEET NO.
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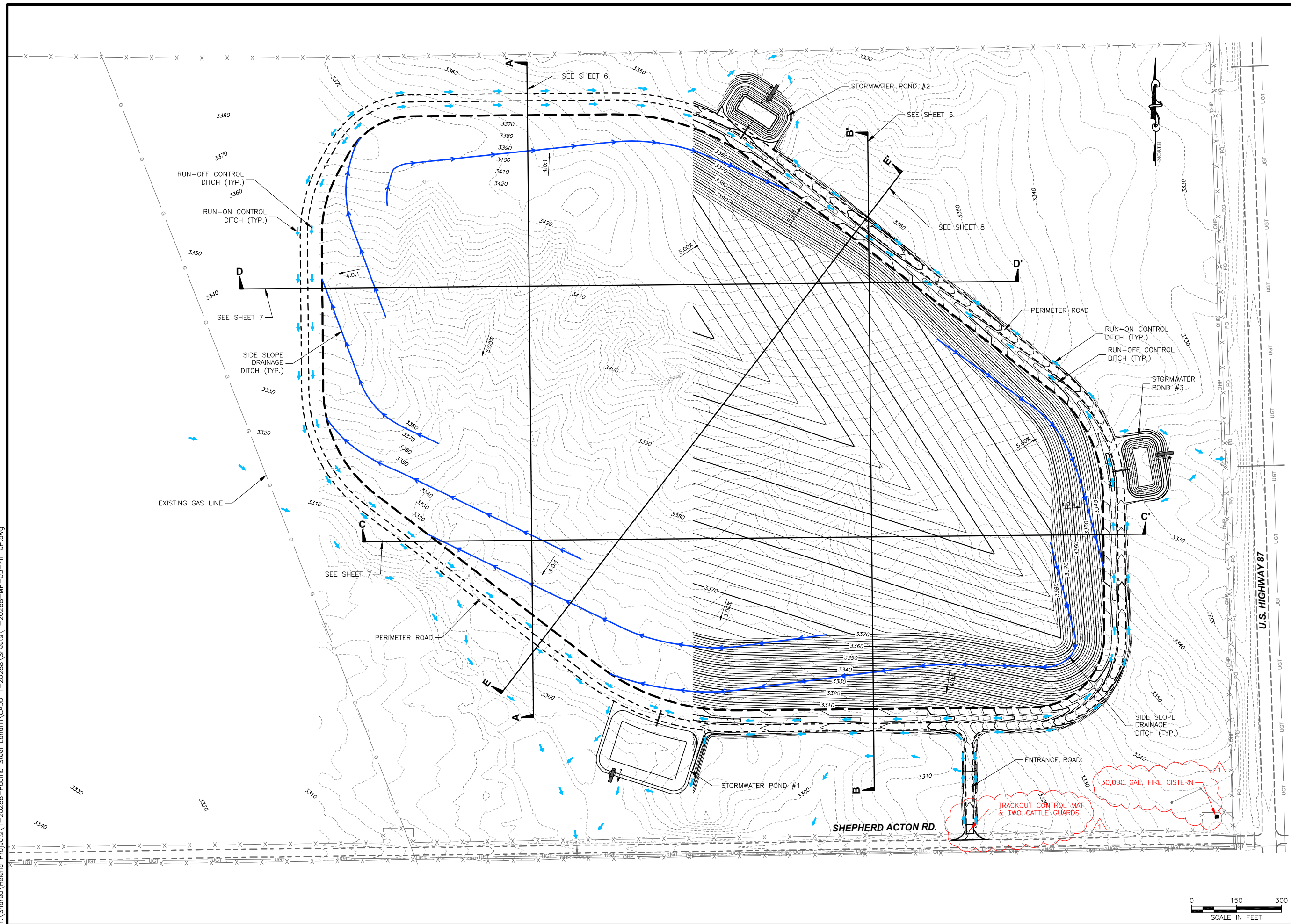


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PACIFIC STEEL & RECYCLING AUTO SHRED RESIDUE (ASR) REPOSITORY MASTER PLAN	
OVERALL CUT PLAN	

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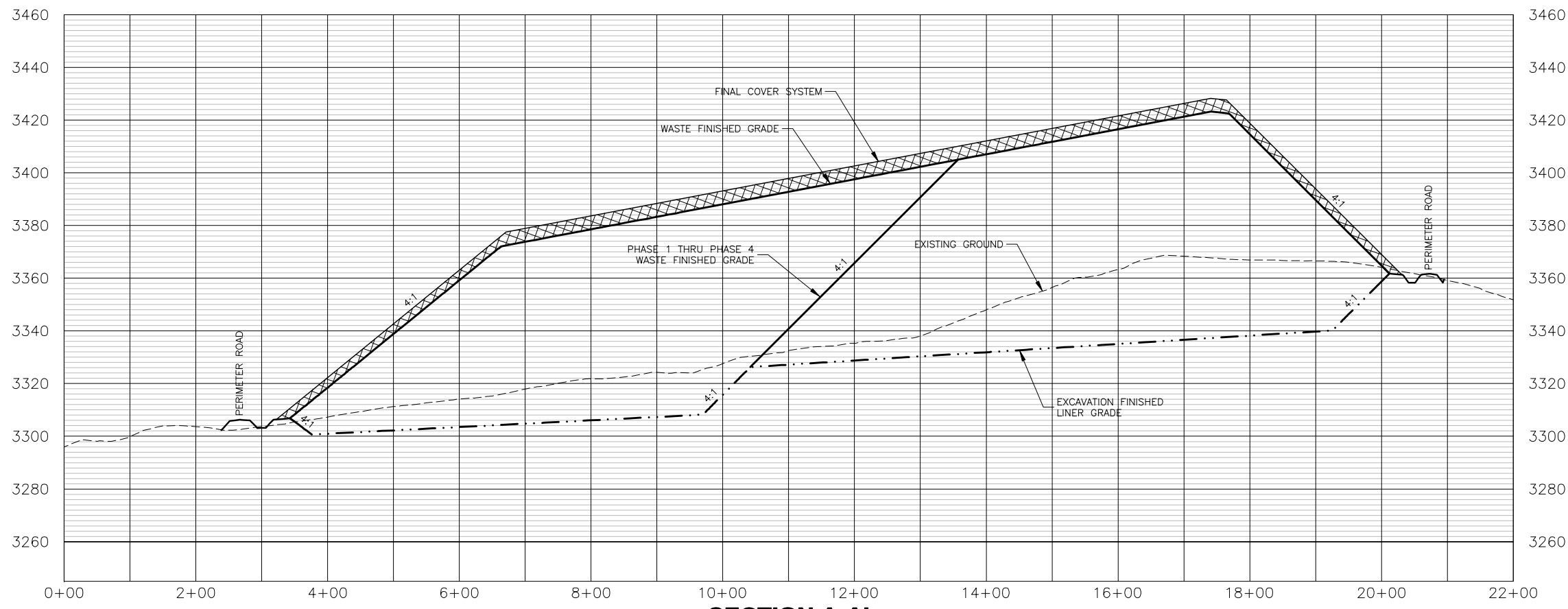


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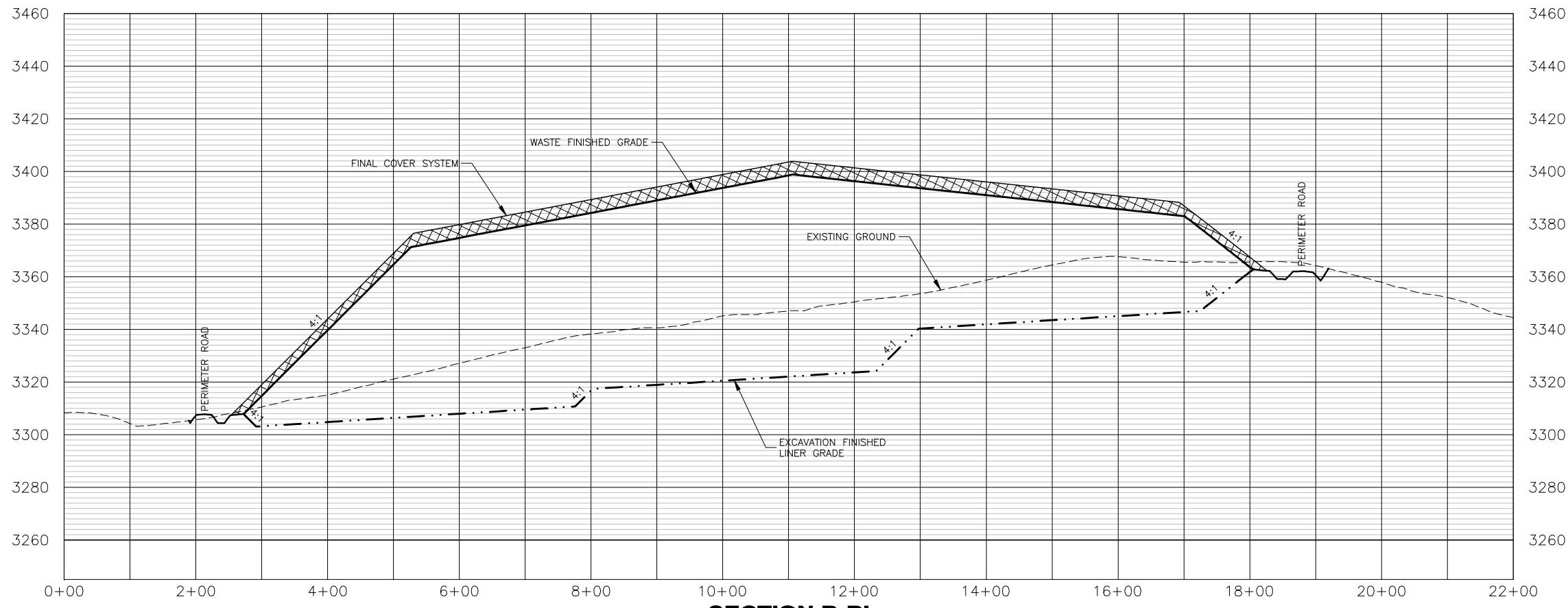
PACIFIC STEEL & RECYCLING AUTO SHRED RESIDUE (ASR) REPOSITORY MASTER PLAN	
OVERALL FILL PLAN	

SHEET NO.
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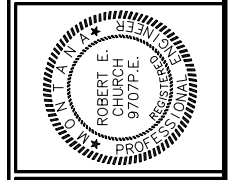
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 VERTICAL SCALE: 1" = 50'



SECTION B-B'
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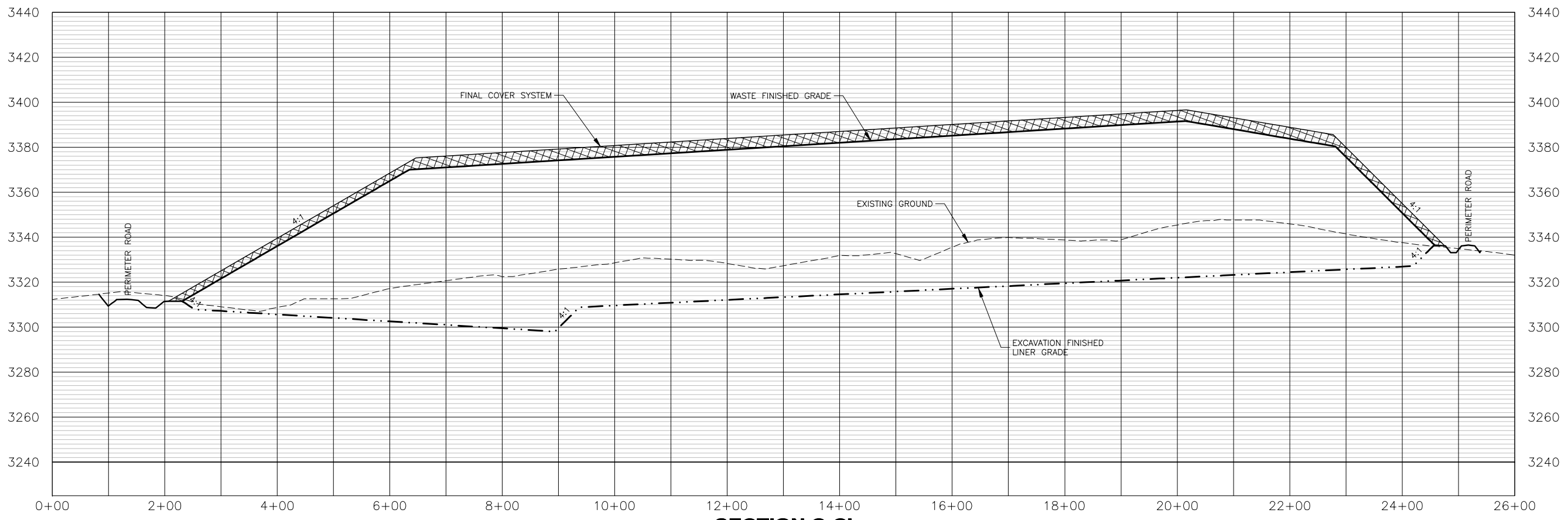


**PACIFIC STEEL & RECYCLING
 AUTO SHRED RESIDUE (ASR)
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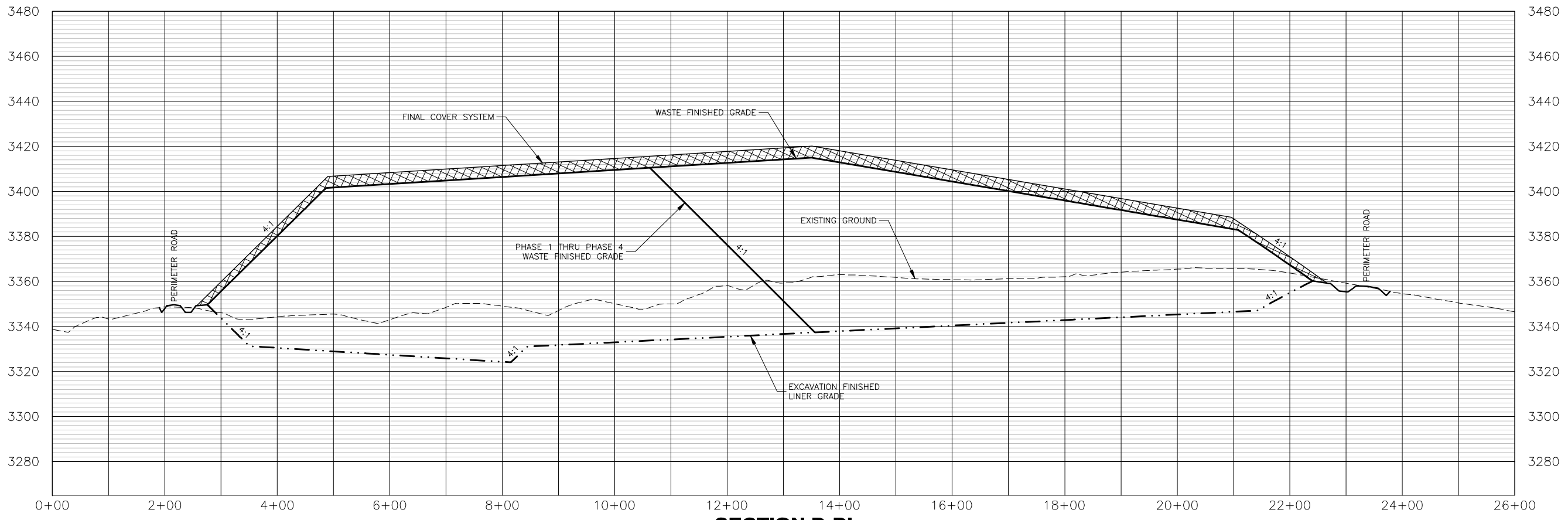
CROSS SECTIONS

SHEET NO.
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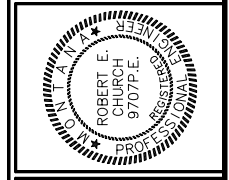
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SECTION D-D'
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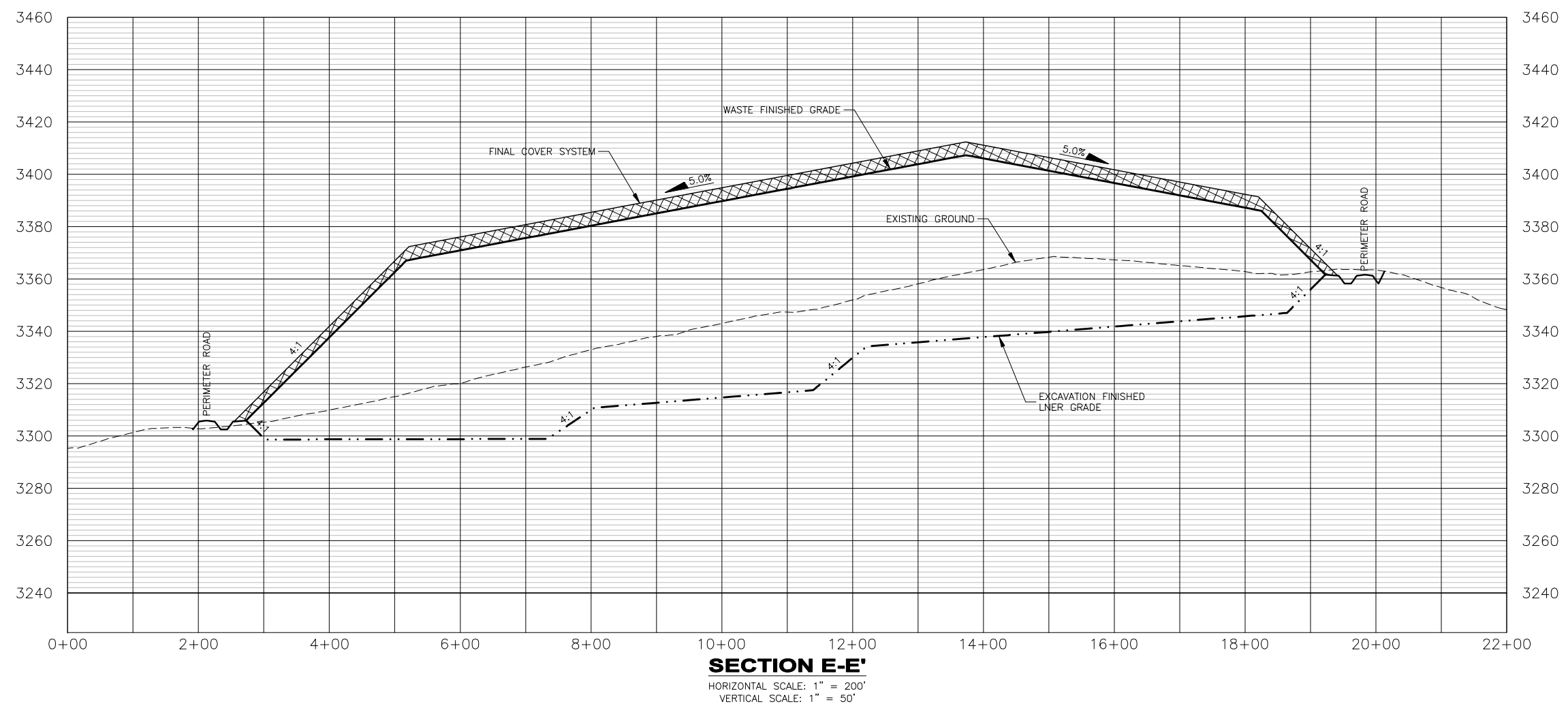


**PACIFIC STEEL & RECYCLING
 AUTO SHRED RESIDUE (ASR)
 REPOSITORY MASTER PLAN**

CROSS SECTIONS

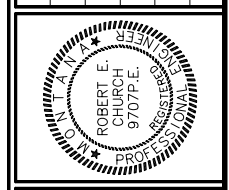
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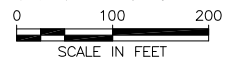
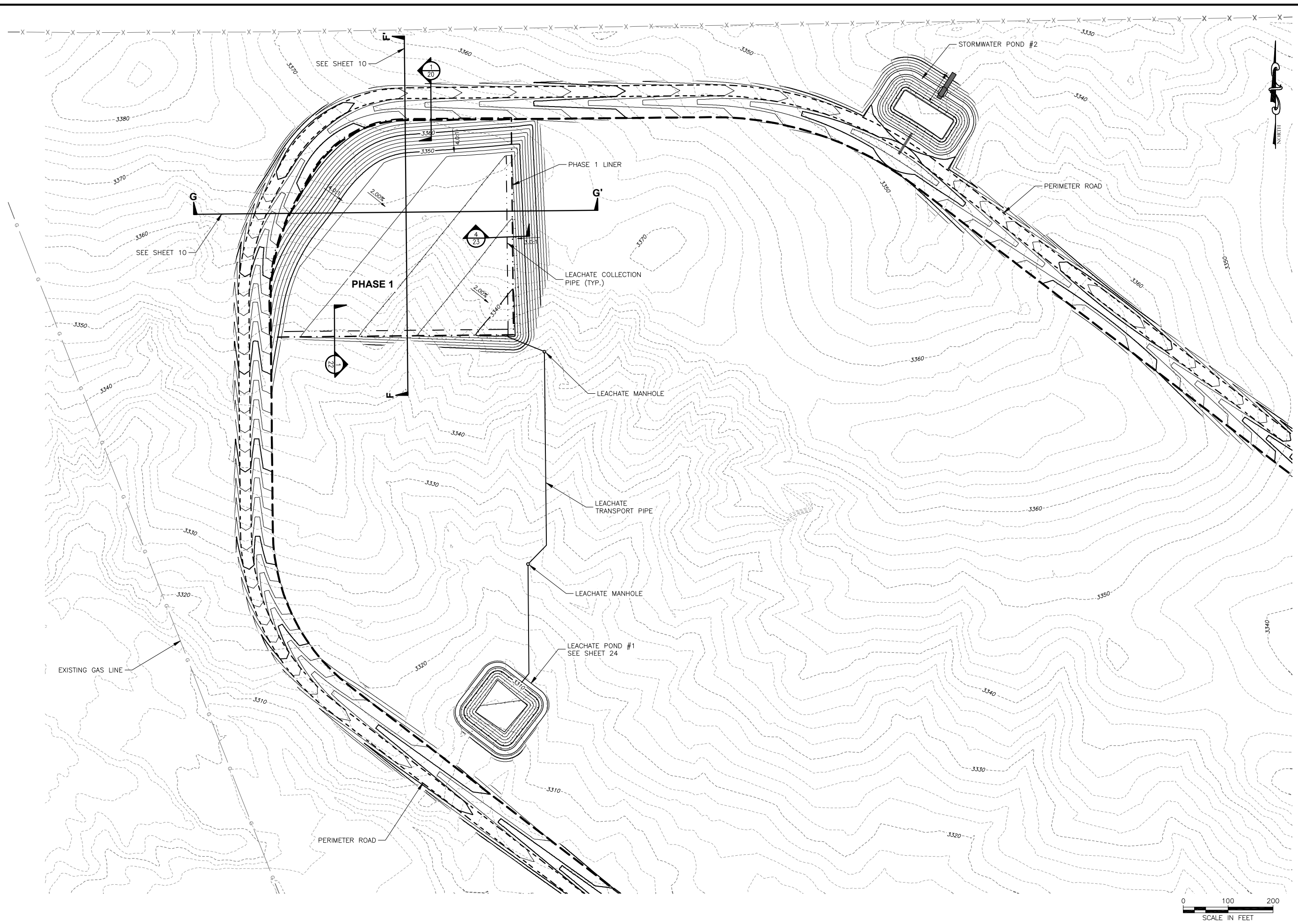
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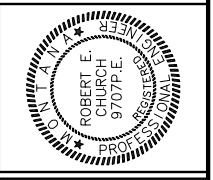
**PACIFIC STEEL & RECYCLING
 AUTO SHRED RESIDUE (ASR)
 REPOSITORY MASTER PLAN**
 CROSS SECTIONS

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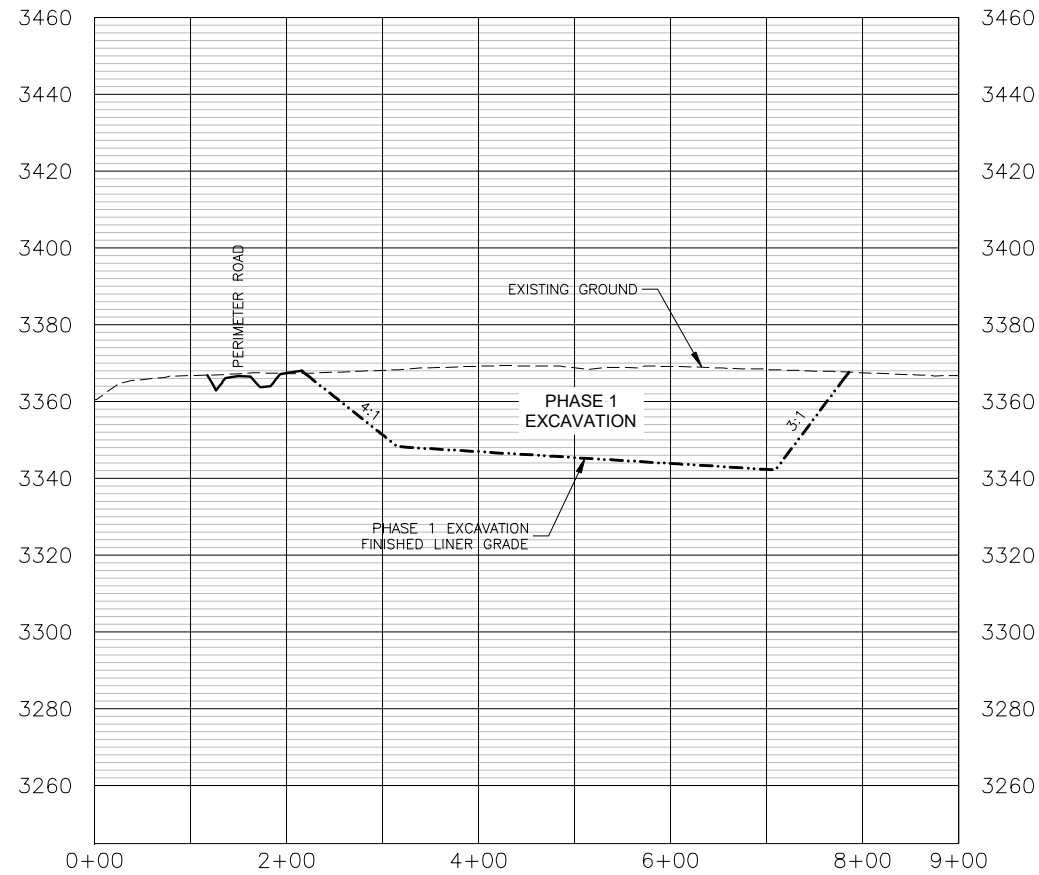
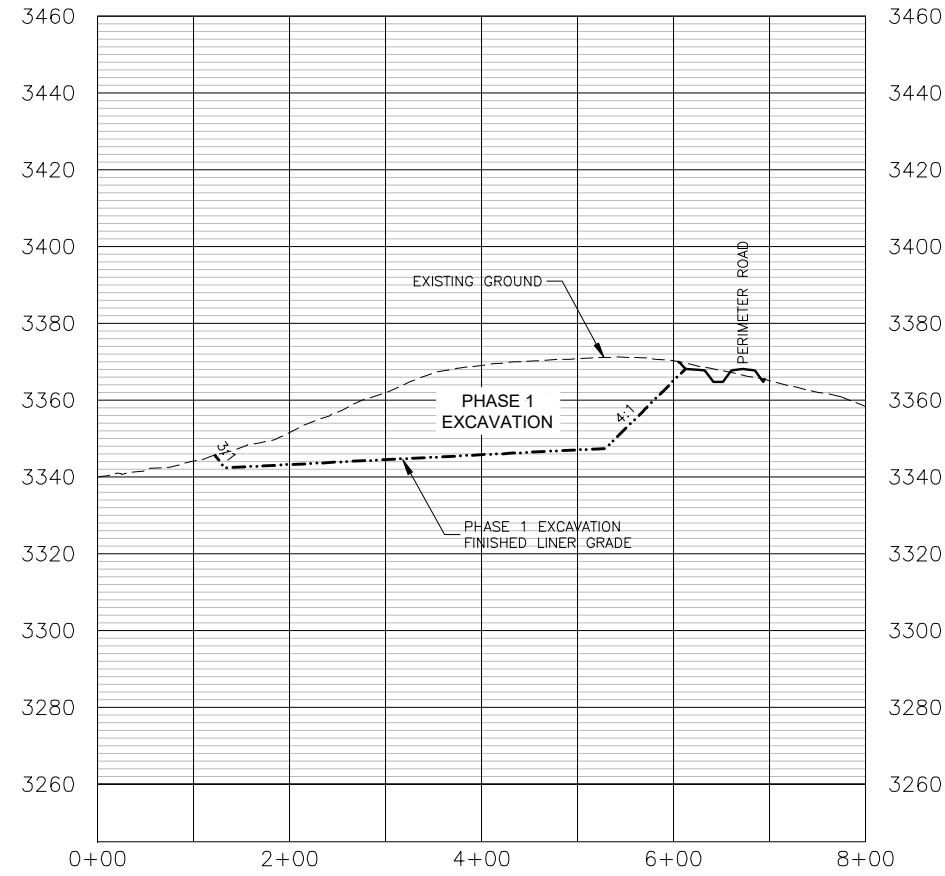
NO.	REVISION DESCRIPTION	BY	DATE

PROJECT: 1-20288
 DESIGNED: BAA STR
 DRAWN: BAA STR
 CHECKED: SMB
 APPROVED: REC
 DATE: JANUARY 16, 2024



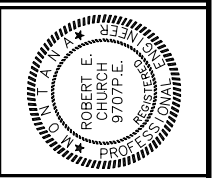
**PACIFIC STEEL & RECYCLING
 AUTO SHRED RESIDUE (ASR)
 REPOSITORY MASTER PLAN**
 PHASE 1 EXCAVATION PLAN

SHEET NO.
9
 OF 25



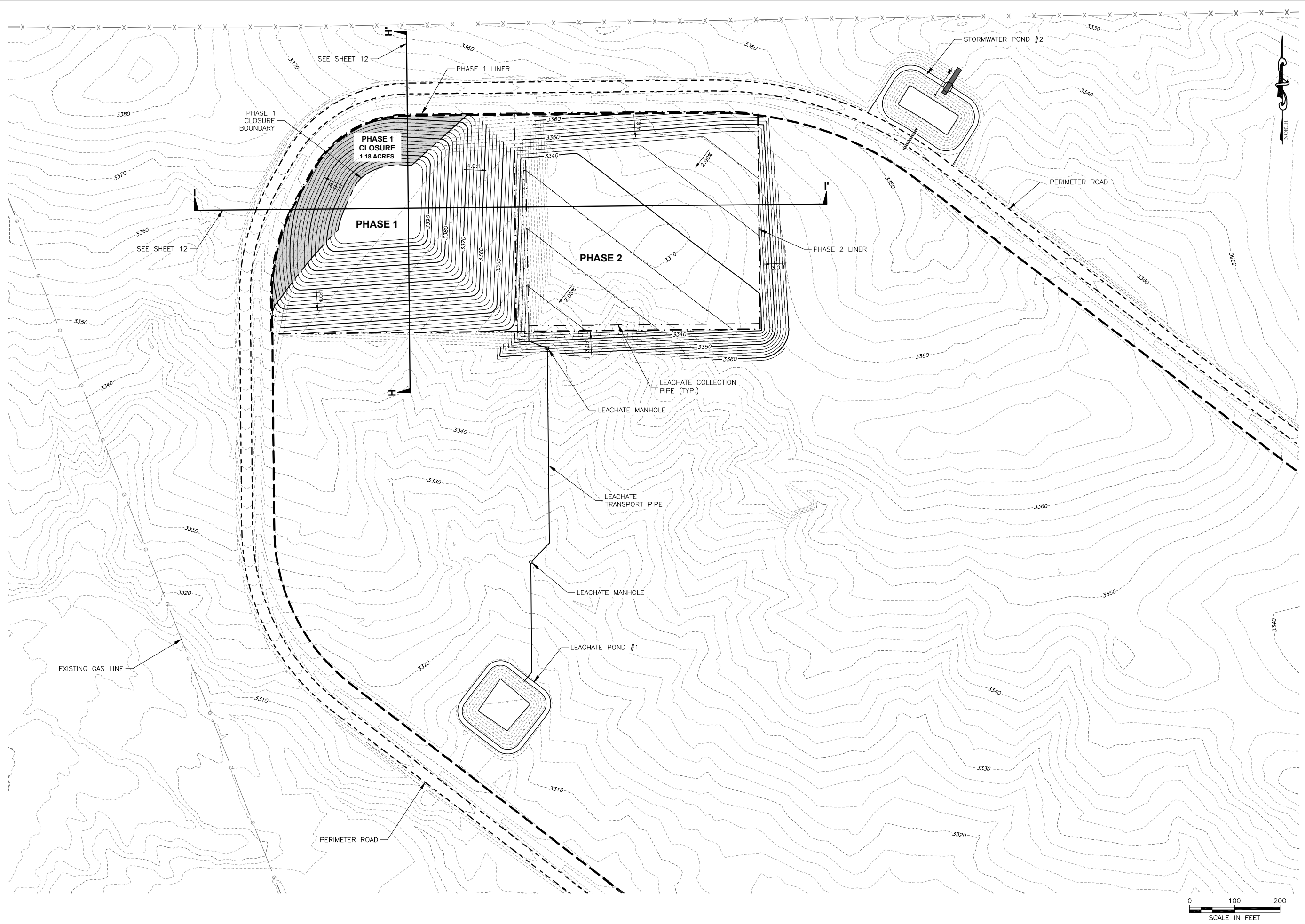
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PROJECT: 1-20288
 DESIGNED: BAA STR
 DRAWN: BAA STR
 CHECKED: SMB
 APPROVED: REC
 DATE: JANUARY 16, 2024



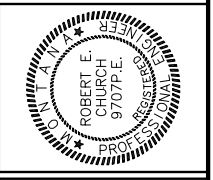
**PACIFIC STEEL & RECYCLING
 AUTO SHRED RESIDUE (ASR)
 REPOSITORY MASTER PLAN**
 CROSS SECTIONS

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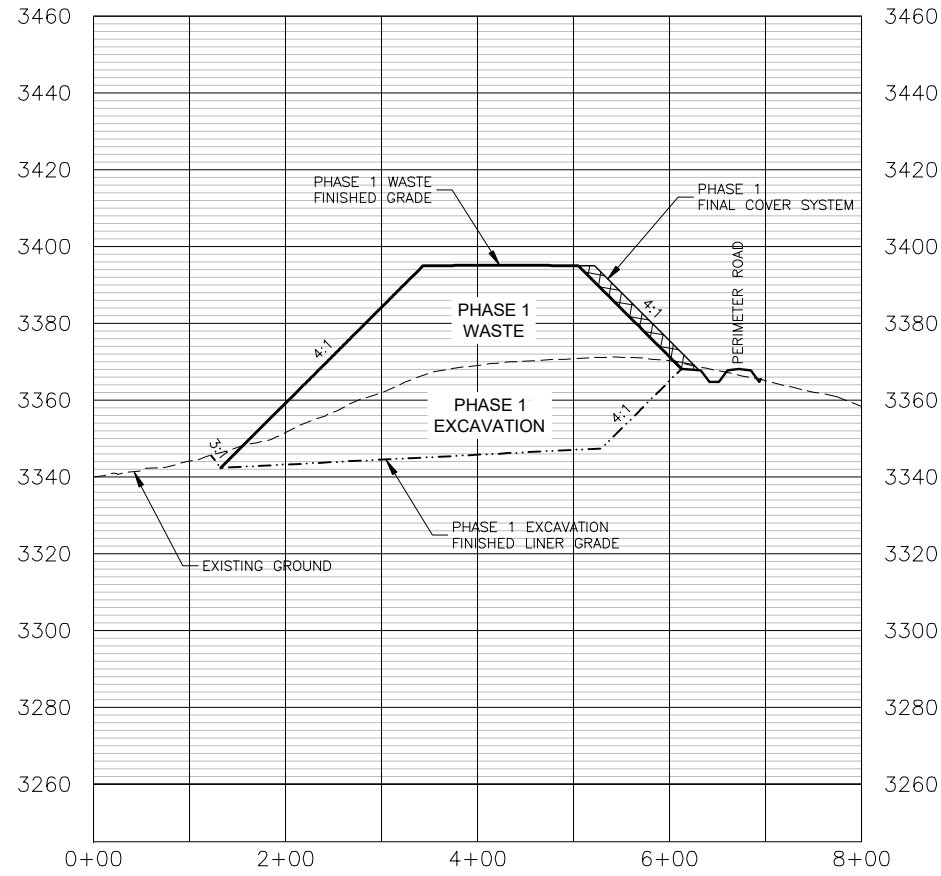
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 DESIGNED: BAA STR
 DRAWN: BAA STR
 CHECKED: SMB
 APPROVED: REC
 DATE: JANUARY 16, 2024



**PACIFIC STEEL & RECYCLING
 AUTO SHRED RESIDUE (ASR)
 REPOSITORY MASTER PLAN**

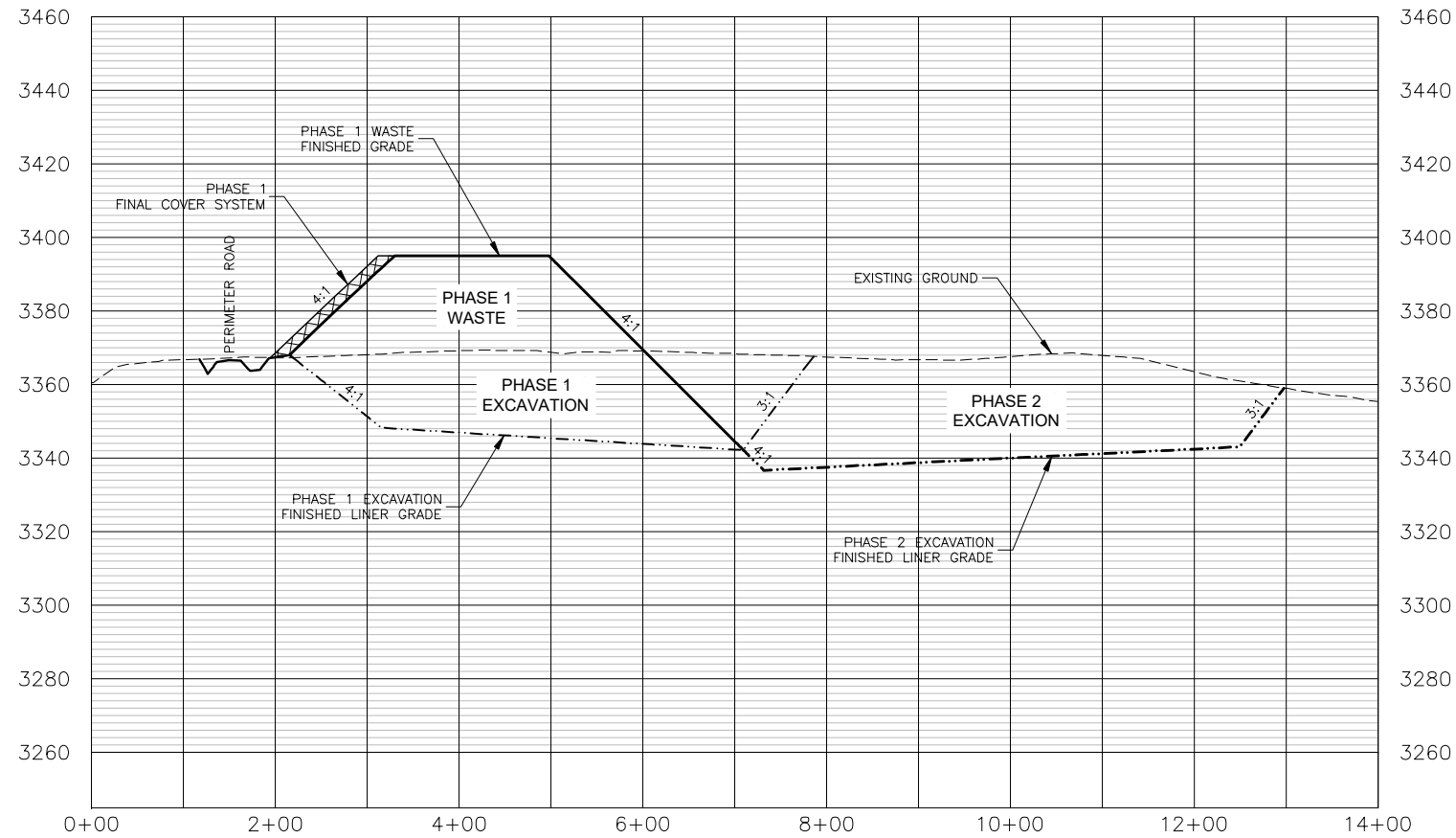
PHASE 1 WASTE AND PHASE 2 EXCAVATION PLAN

Y:\Shared\Helena Projects\1-20288-Pacific Steel Landfill\CADD 1-20288\Sheets\1-20288-MP-12-Cross Sections.dwg



SECTION H-H'

HORIZONTAL SCALE: 1" = 200'
VERTICAL SCALE: 1" = 50'



SECTION I-I'

HORIZONTAL SCALE: 1" = 200'
VERTICAL SCALE: 1" = 50'

NO.	REVISION DESCRIPTION	BY	DATE
△			
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PROJECT: 1-20288
DESIGNED: BAA/STR
DRAWN: BAA/STR
CHECKED: SMB
APPROVED: REC
DATE: JANUARY 16, 2024



**PACIFIC STEEL & RECYCLING
AUTO SHRED RESIDUE (ASR)
REPOSITORY MASTER PLAN**

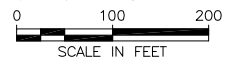
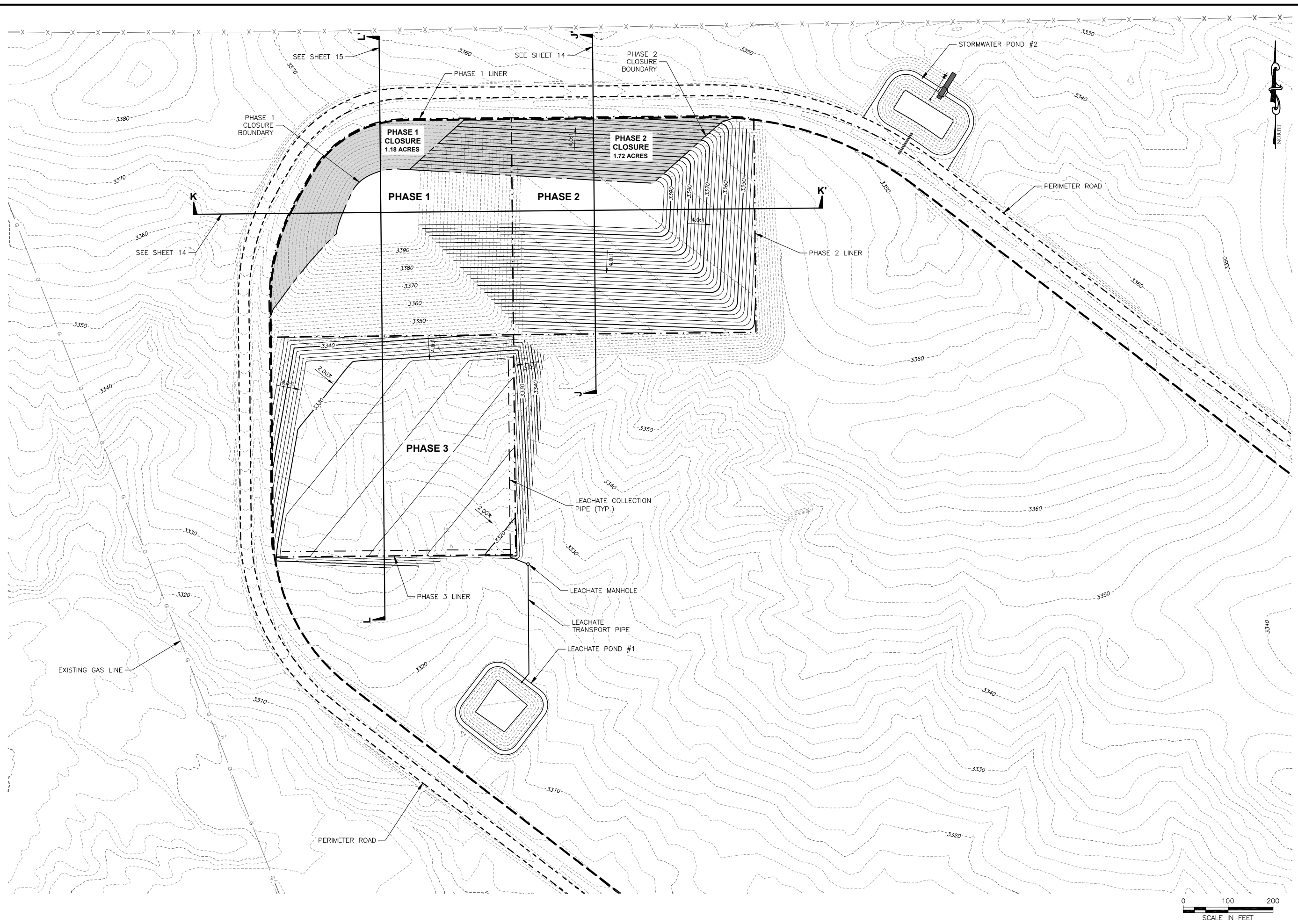
CROSS SECTIONS

SHEET NO.

12

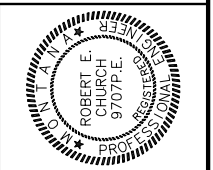
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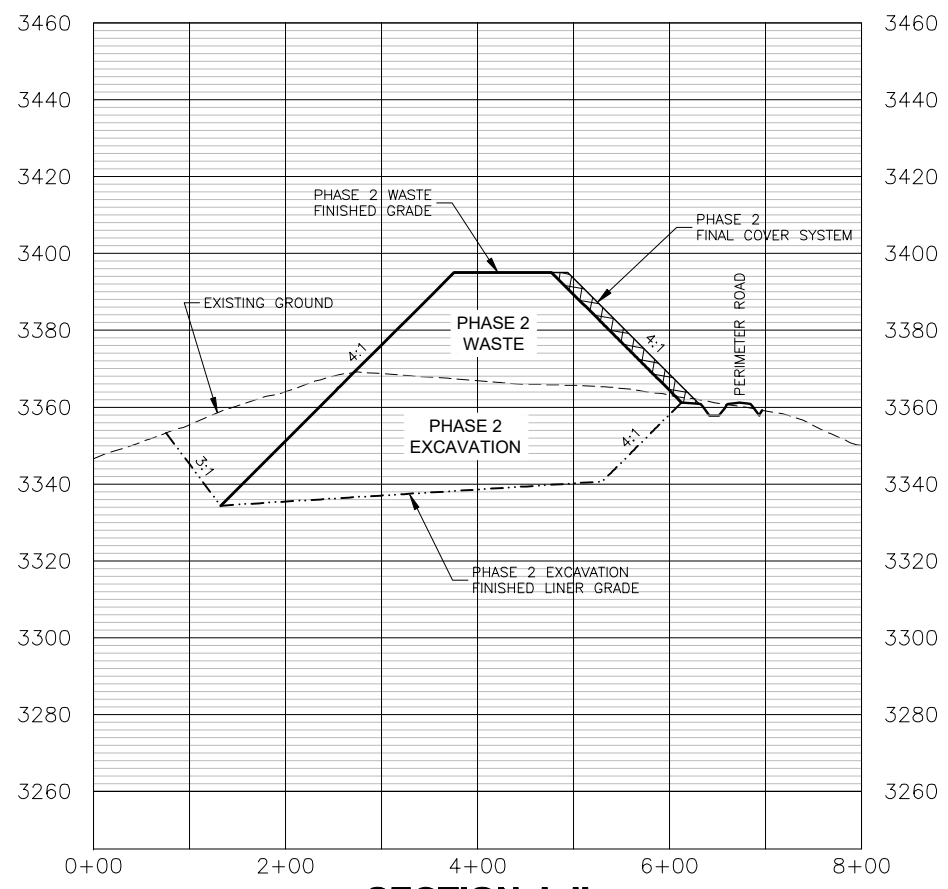
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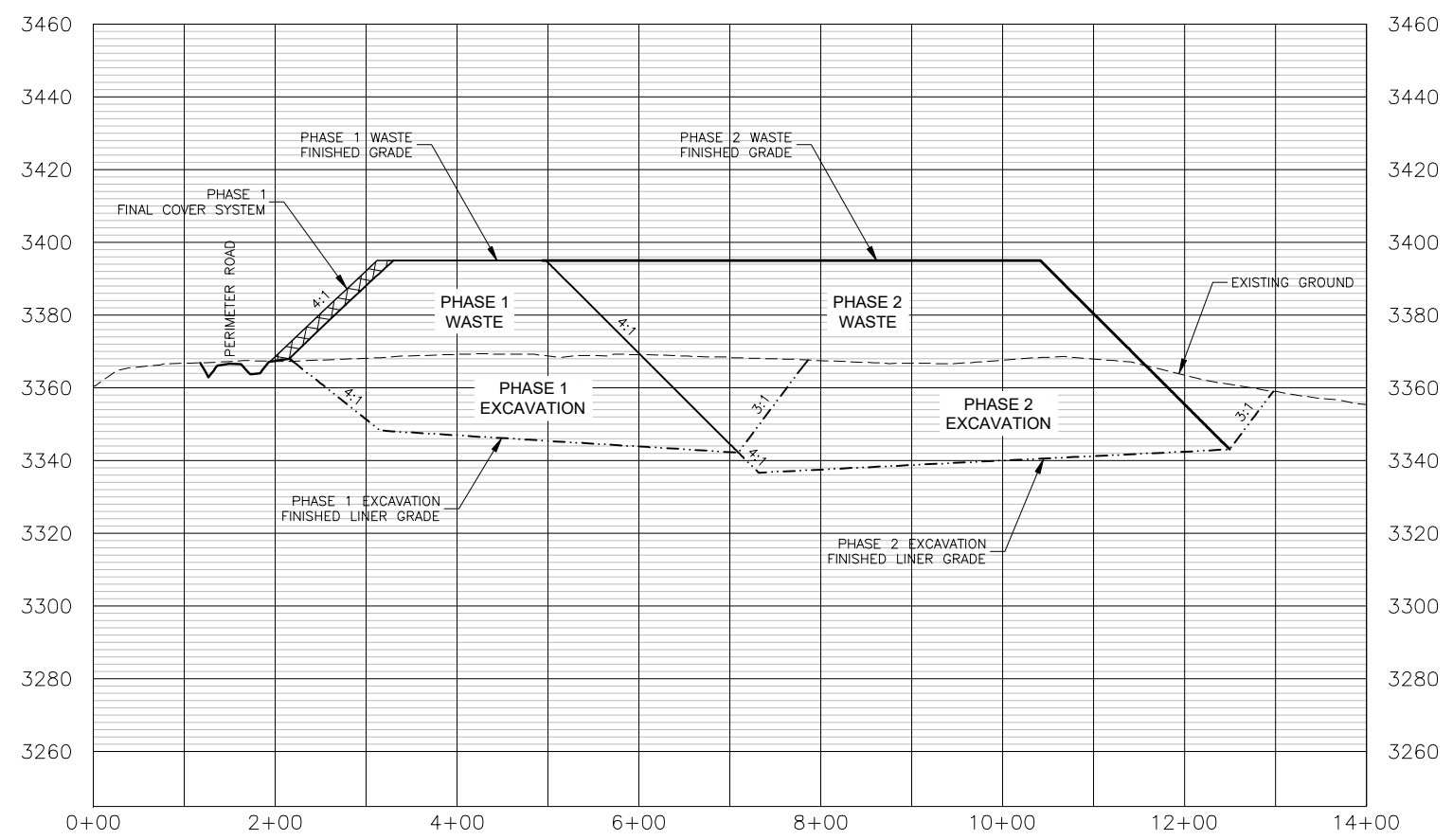
**PACIFIC STEEL & RECYCLING
 AUTO SHRED RESIDUE (ASR)
 REPOSITORY MASTER PLAN**

PHASE 2 WASTE AND PHASE 3 EXCAVATION PLAN

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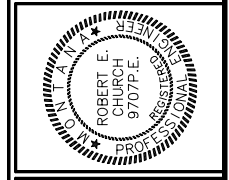
SECTION J-J'
 HORIZONTAL SCALE: 1" = 200'
 VERTICAL SCALE: 1" = 50'



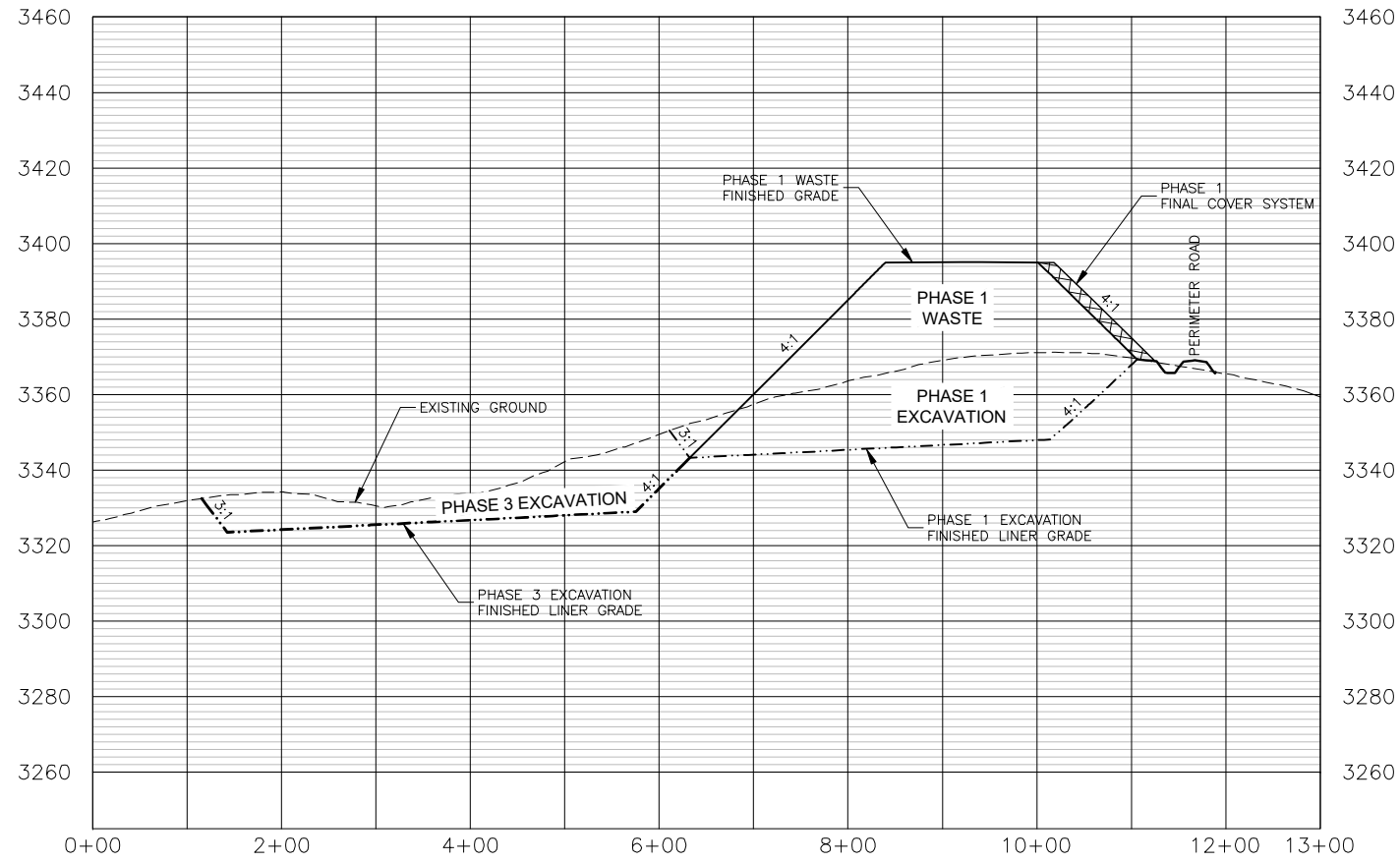
SECTION K-K'
 HORIZONTAL SCALE: 1" = 200'
 VERTICAL SCALE: 1" = 50'

NO.	REVISION DESCRIPTION	BY	DATE

PROJECT: 1-20288
 DESIGNED: BAA STR
 DRAWN: BAA STR
 CHECKED: SMB
 APPROVED: REC
 DATE: JANUARY 16, 2024



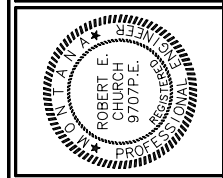
**PACIFIC STEEL & RECYCLING
 AUTO SHRED RESIDUE (ASR)
 REPOSITORY MASTER PLAN**
 CROSS SECTIONS



SECTION L-L'
 HORIZONTAL SCALE: 1" = 200'
 VERTICAL SCALE: 1" = 50'

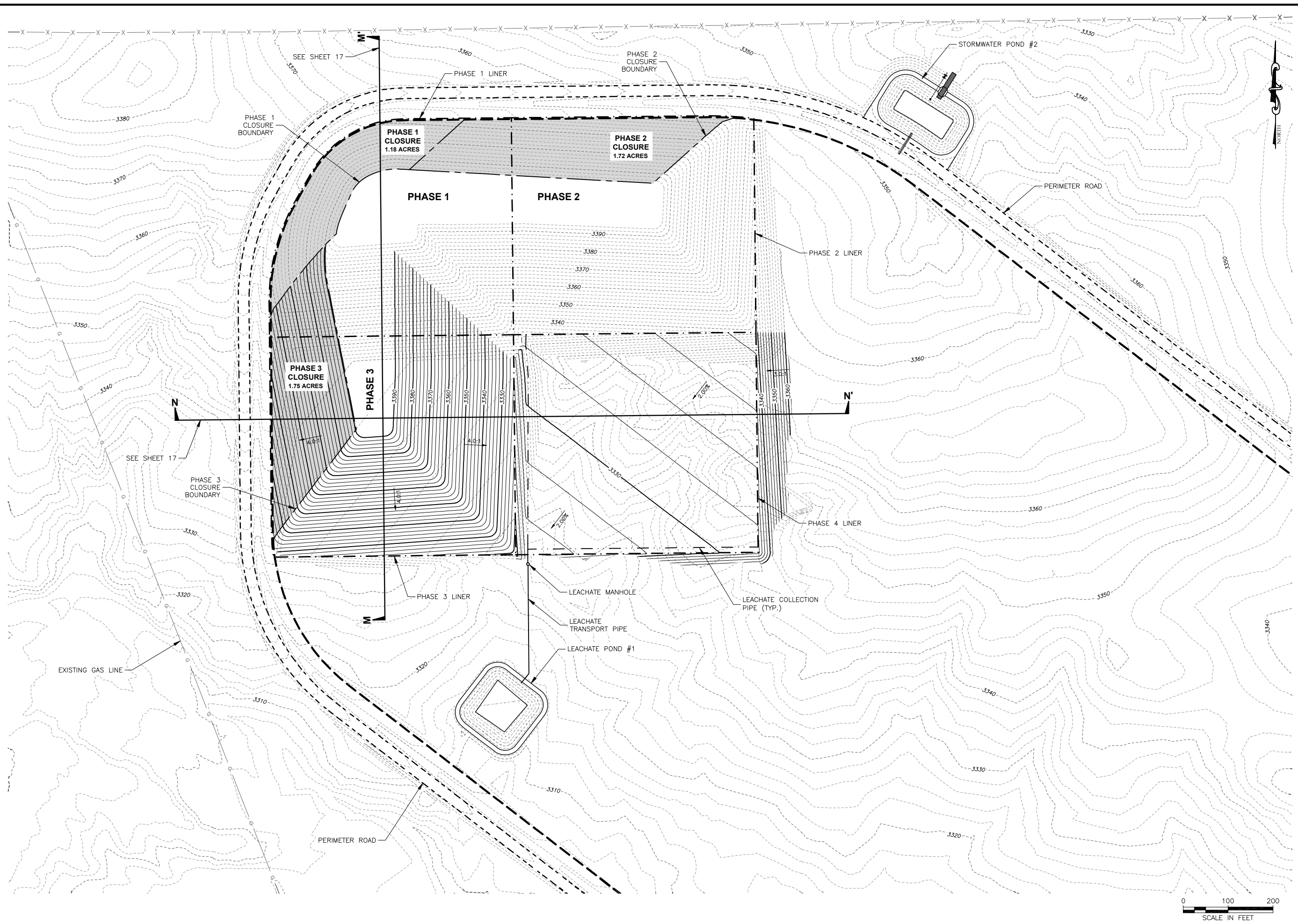
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PROJECT: 1-20288
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 CHECKED: SMB
 APPROVED: REC
 DATE: JANUARY 16, 2024



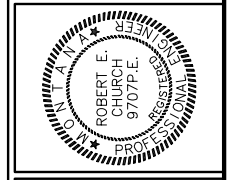
**PACIFIC STEEL & RECYCLING
 AUTO SHRED RESIDUE (ASR)
 REPOSITORY MASTER PLAN**
 CROSS SECTIONS

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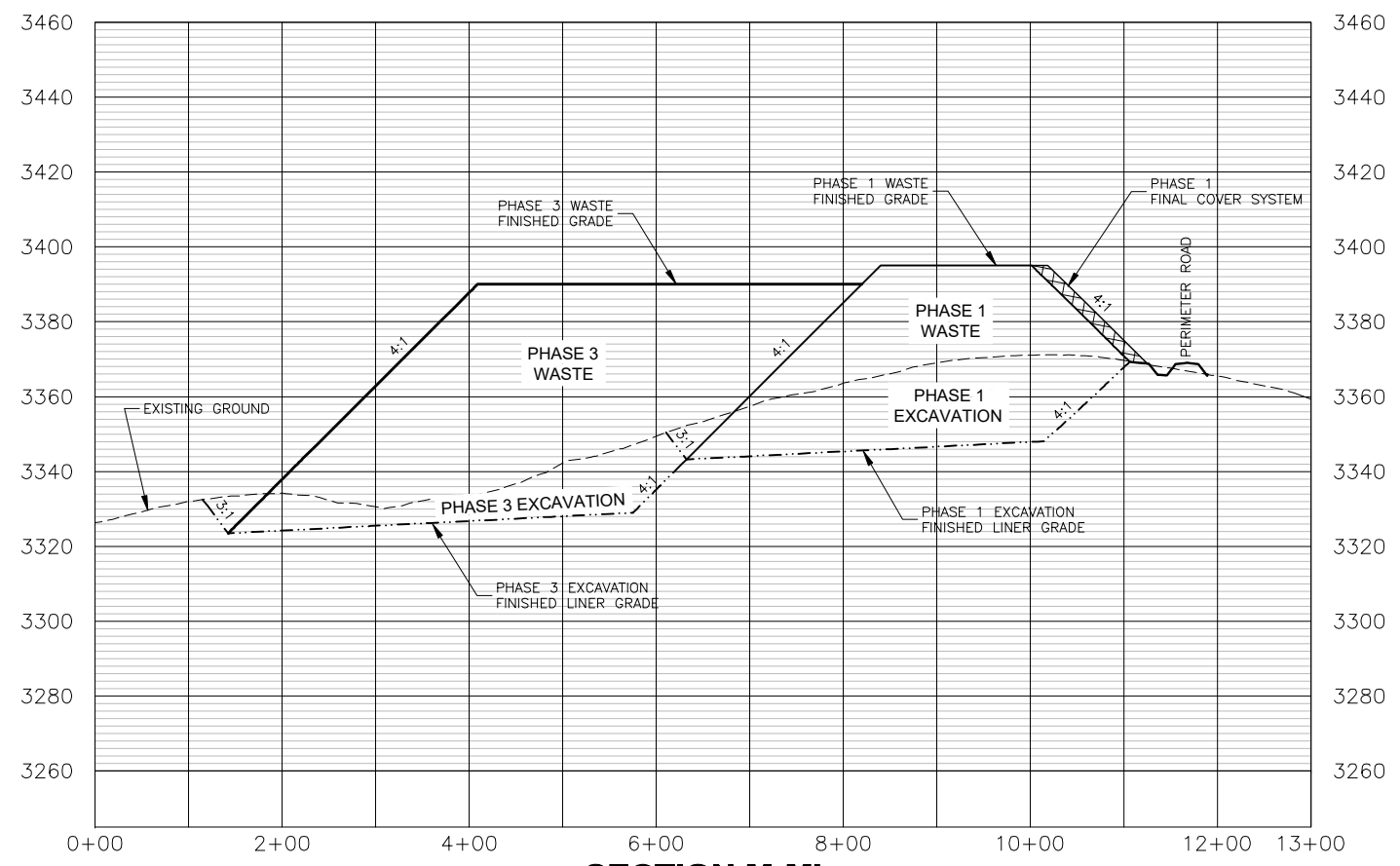
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2			
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PROJECT: 1-20288
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 DATE: JANUARY 16, 2024

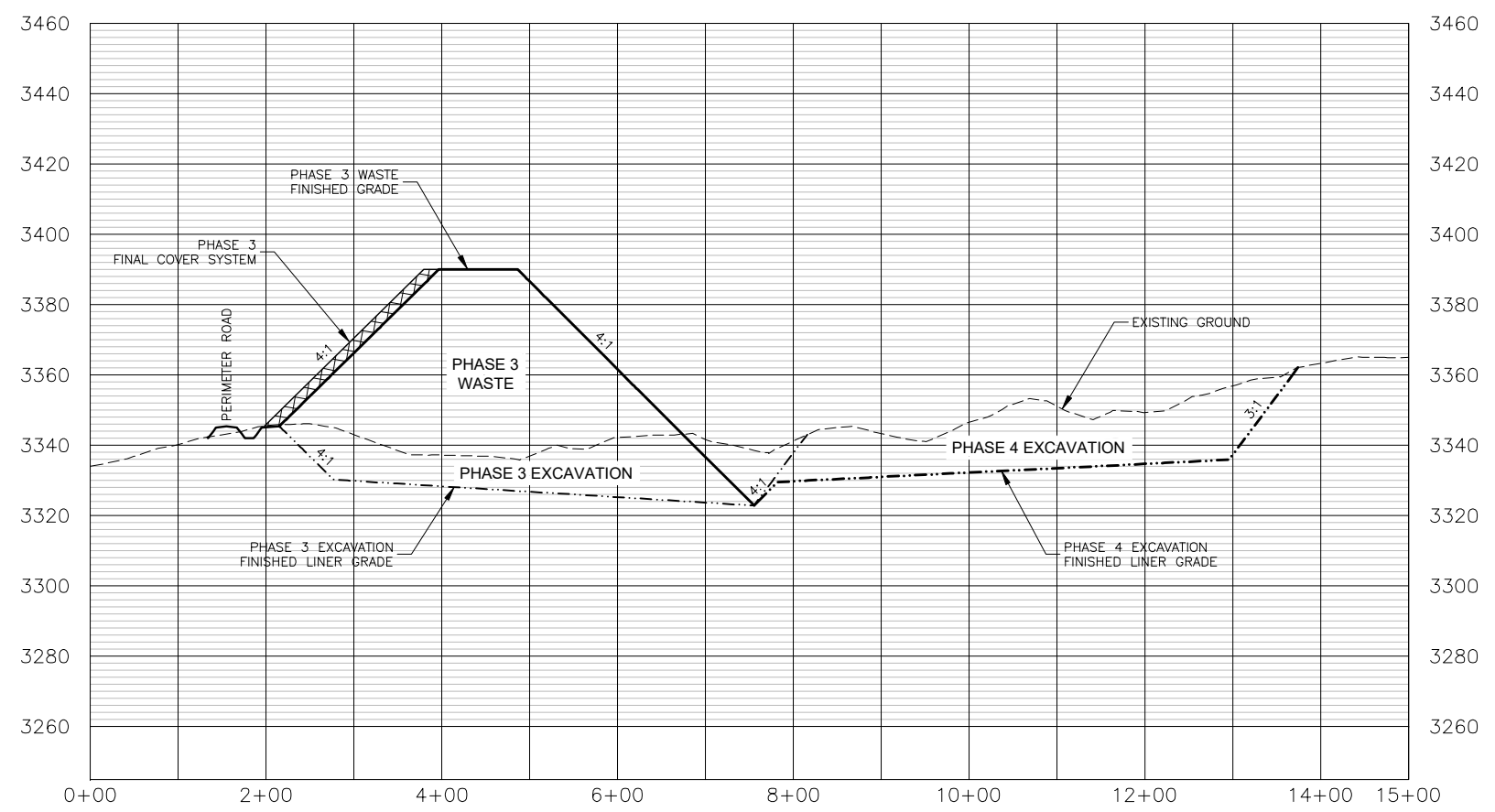


**PACIFIC STEEL & RECYCLING
 AUTO SHRED RESIDUE (ASR)
 REPOSITORY MASTER PLAN**
 PHASE 3 WASTE AND PHASE 4 EXCAVATION PLAN

Y:\Shared\Helena Projects\1-20288-Pacific Steel Landfill\CADD 1-20288\Sheets\1-20288-MP-17-Cross Sections.dwg



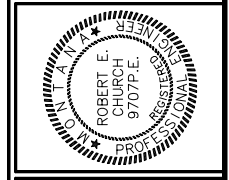
SECTION M-M'
 HORIZONTAL SCALE: 1" = 200'
 VERTICAL SCALE: 1" = 50'



SECTION N-N'
 HORIZONTAL SCALE: 1" = 200'
 VERTICAL SCALE: 1" = 50'

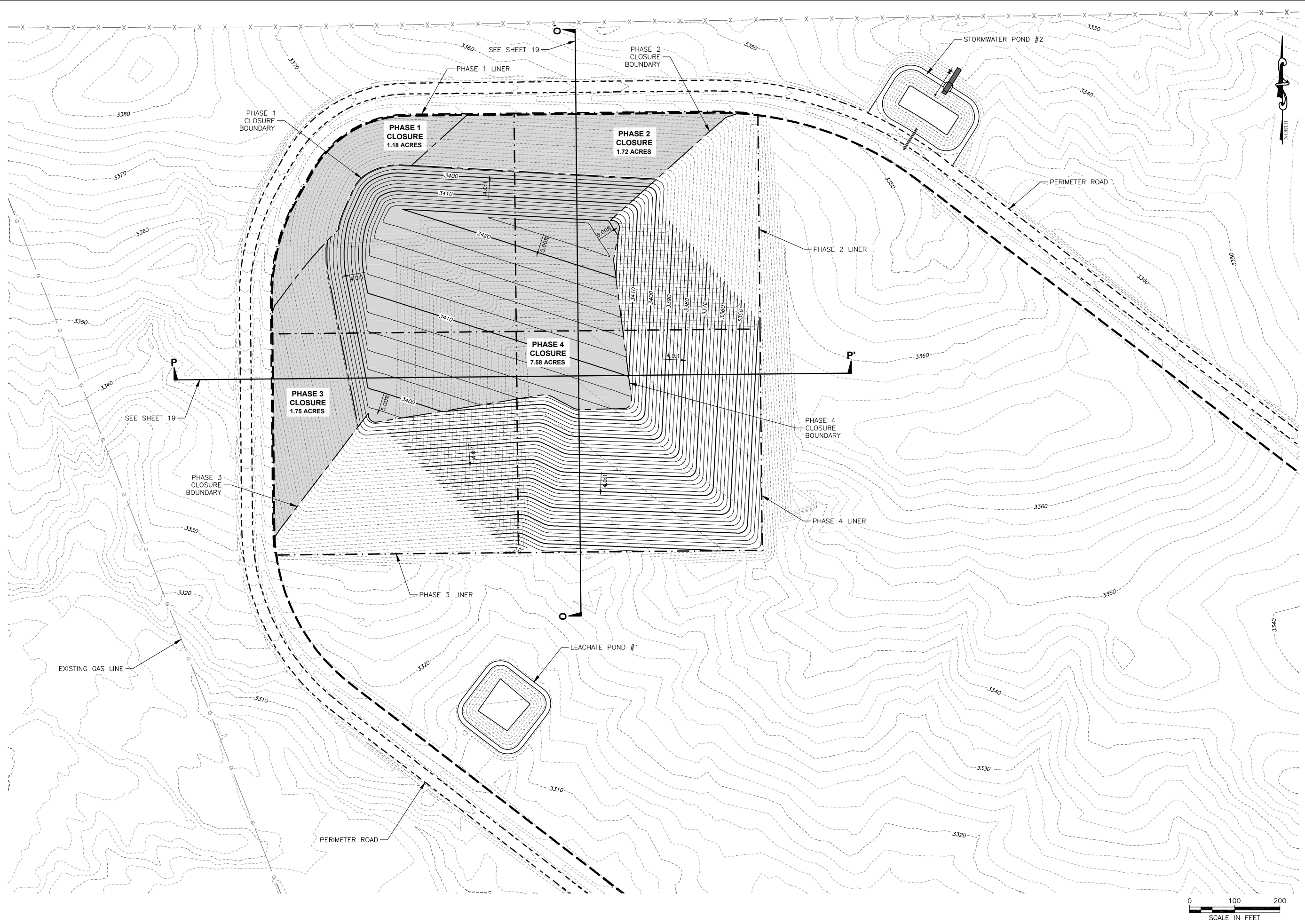
NO.	REVISION DESCRIPTION	BY	DATE

PROJECT: 1-20288
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 APPROVED: REC
 DATE: JANUARY 16, 2024



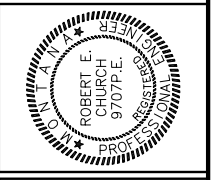
**PACIFIC STEEL & RECYCLING
 AUTO SHRED RESIDUE (ASR)
 REPOSITORY MASTER PLAN**
 CROSS SECTIONS

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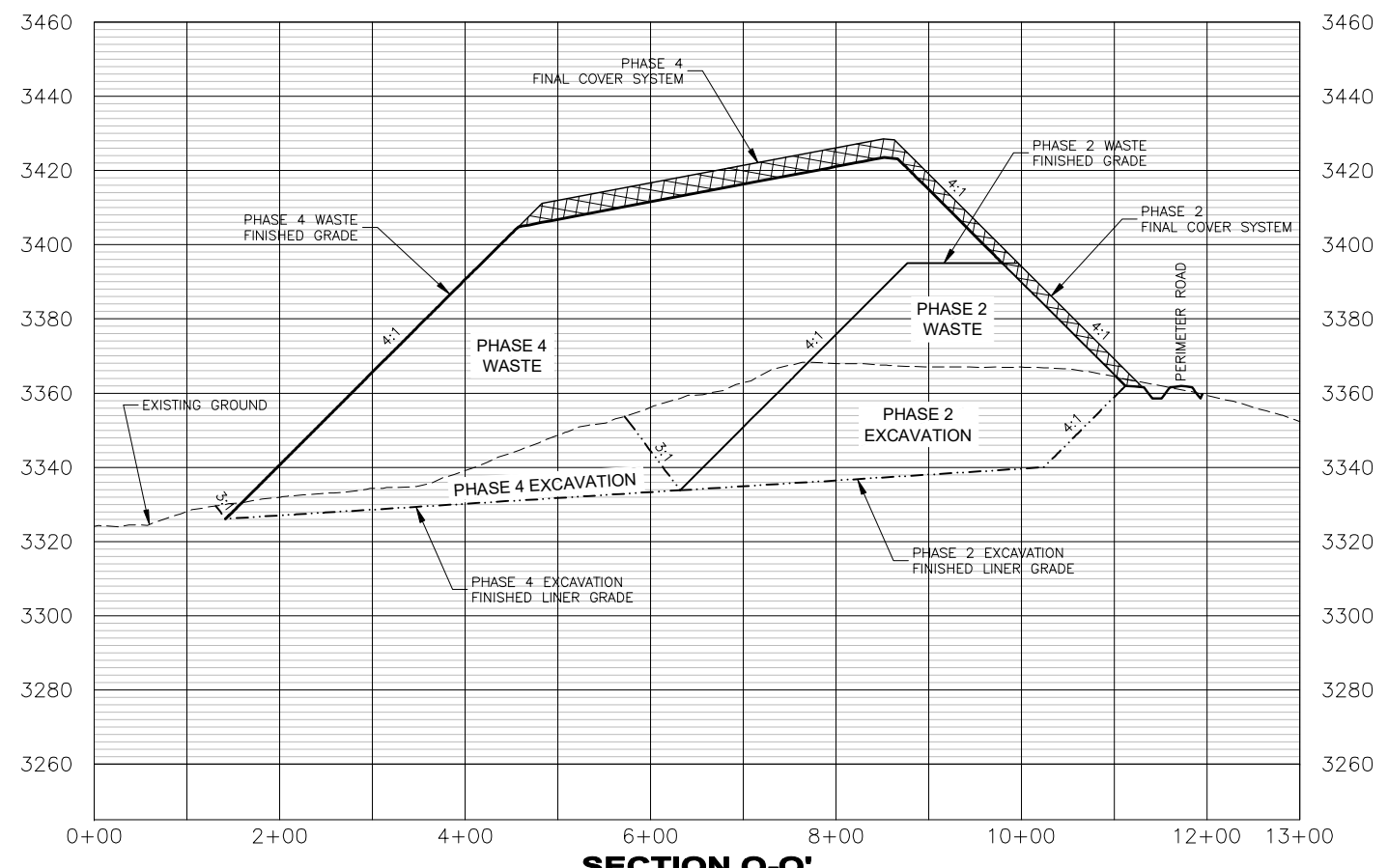
NO.	REVISION DESCRIPTION	BY	DATE

PROJECT: 1-20288
 DESIGNED: BAASTR
 DRAWN: BAASTR
 CHECKED: SMB
 APPROVED: REC
 DATE: JANUARY 16, 2024

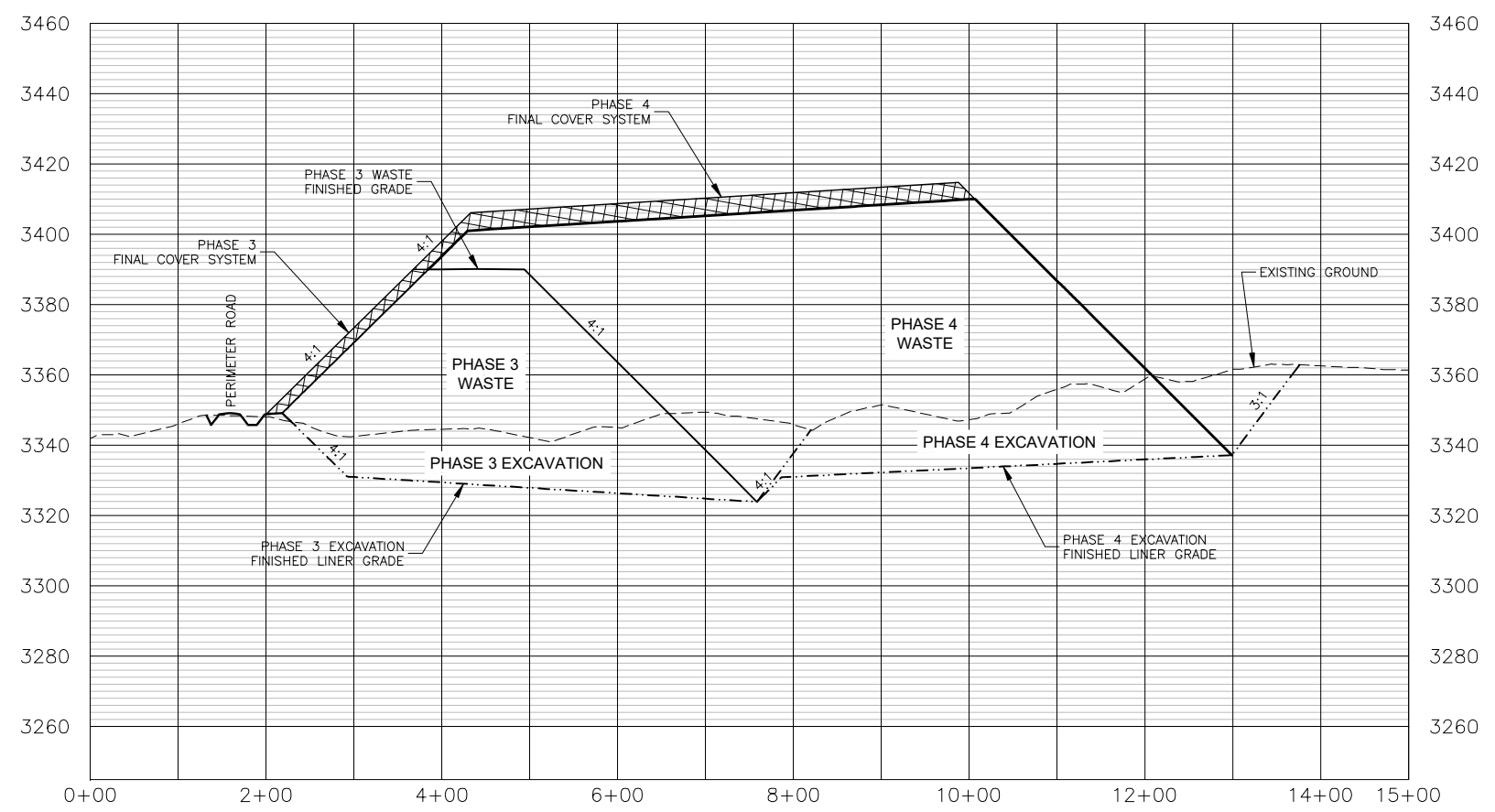


**PACIFIC STEEL & RECYCLING
 AUTO SHRED RESIDUE (ASR)
 REPOSITORY MASTER PLAN**
 PHASE 4 WASTE PLAN

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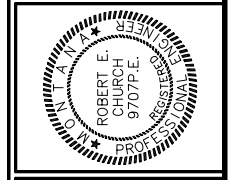
SECTION O-O'
 HORIZONTAL SCALE: 1" = 200'
 VERTICAL SCALE: 1" = 50'



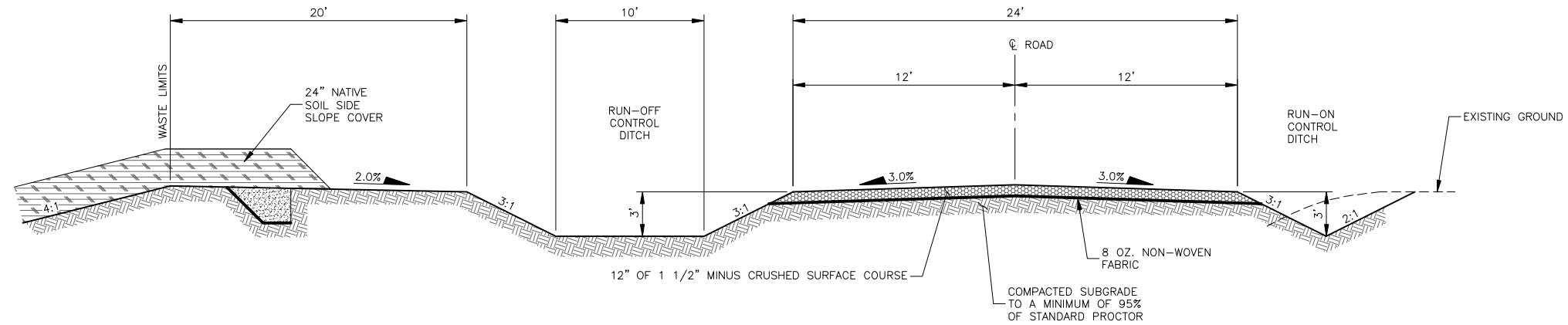
SECTION P-P'
 HORIZONTAL SCALE: 1" = 200'
 VERTICAL SCALE: 1" = 50'

NO.	REVISION DESCRIPTION	BY	DATE

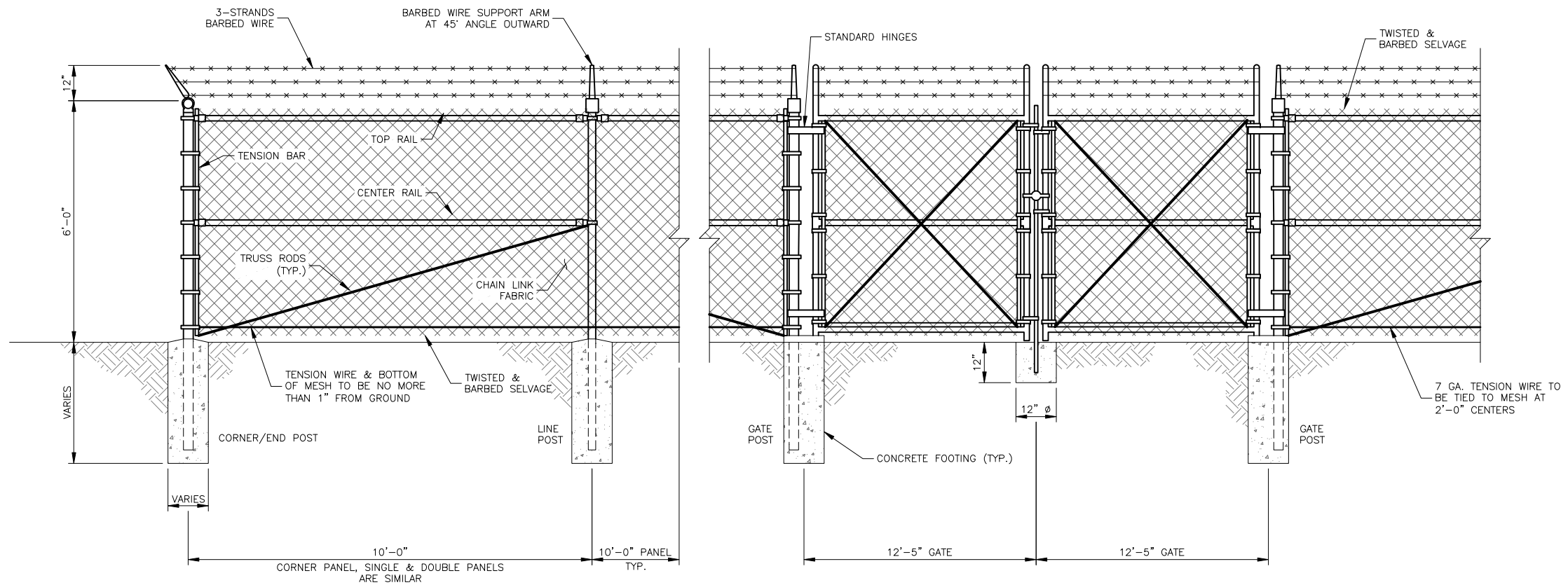
PROJECT: 1-20288
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 CHECKED: SMB
 APPROVED: REC
 DATE: JANUARY 16, 2024



**PACIFIC STEEL & RECYCLING
 AUTO SHRED RESIDUE (ASR)
 REPOSITORY MASTER PLAN**
 CROSS SECTIONS



1
20 **GRAVEL ROAD TYPICAL SECTION**
NOT TO SCALE



- FENCE MATERIALS:
1. FABRIC TO BE 9 GAUGE 2" MESH
 2. POST SPACING NOT TO EXCEED 10'-0"
 3. POSTS, RAILS, BRACING, AND CONCRETE WILL BE SIZED BY FENCE MANUFACTURER BASED ON FENCE HEIGHT

- NOTES:
1. PULL POST BRACING SHALL BE SAME AS CORNER BRACING
 2. A DROP BAR LOCKING DEVICE IS REQUIRED FOR DOUBLE GATE. THE DROP BAR SHALL BE ABLE TO BE INSERTED INTO THE CONCRETE BLOCK AT LEAST 6".
 3. AT LEAST ONE POST WILL BE EXTENDED 3" INTO GROUND FOR LIGHTNING PROTECTION
 4. CHAIN LINK MESH TO BE TIED TO TOP & CENTER RAILS AT 2'-0" CENTERS.
 5. GATE CHAIN LINK FABRIC SHALL MATCH FENCE CHAIN LINK FABRIC.
 6. GATE FRAMES SHALL BE WELDED & BRACES FURNISHED AS REQUIRED.

2
20 **PERIMETER FENCE DETAIL**
NOT TO SCALE

NO.	REVISION DESCRIPTION	BY	DATE

PROJECT: 1-20288
 DESIGNED: BAA-STR
 DRAWN: BAA-STR
 CHECKED: SMB
 APPROVED: REC
 DATE: JANUARY 16, 2024



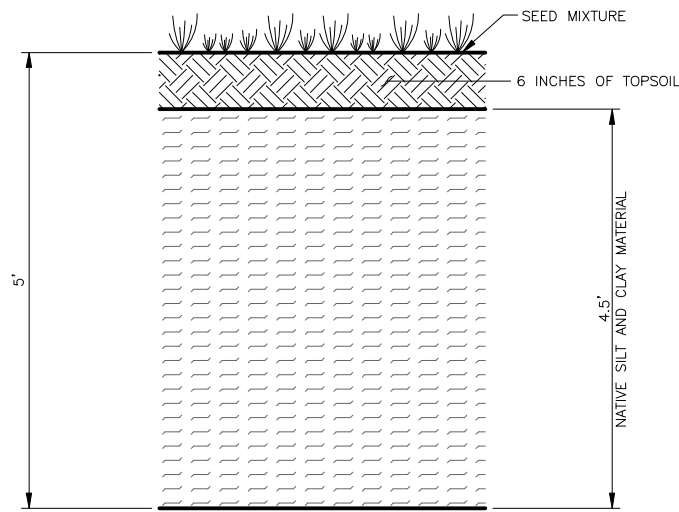
**PACIFIC STEEL & RECYCLING
 AUTO SHRED RESIDUE (ASR)
 REPOSITORY MASTER PLAN**

DETAILS

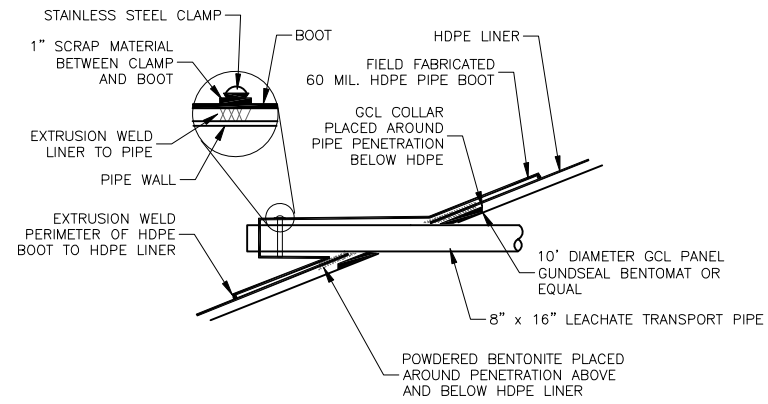
SHEET NO.

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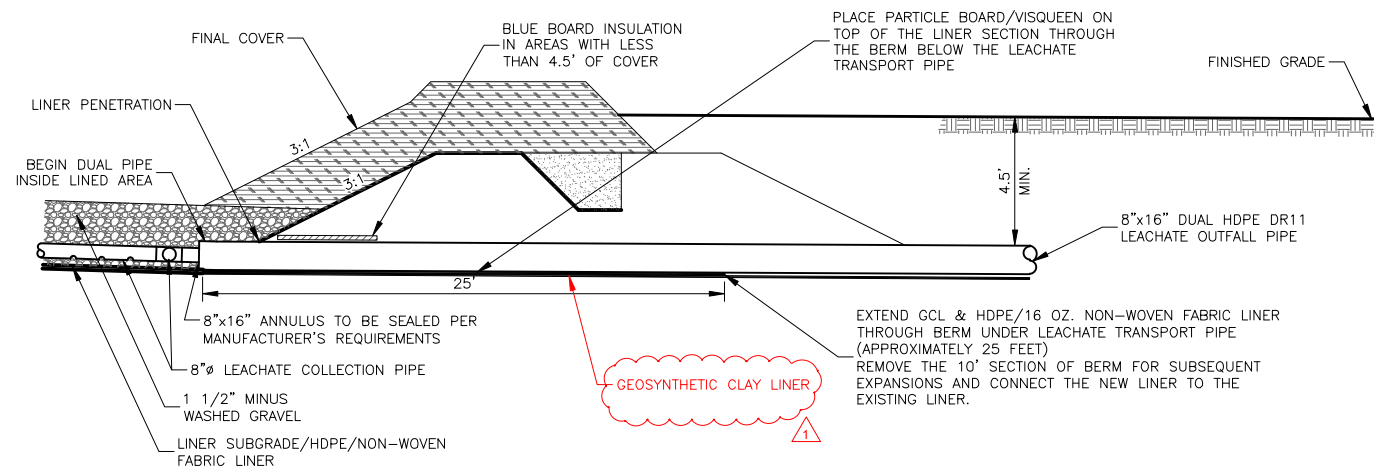
OF 25



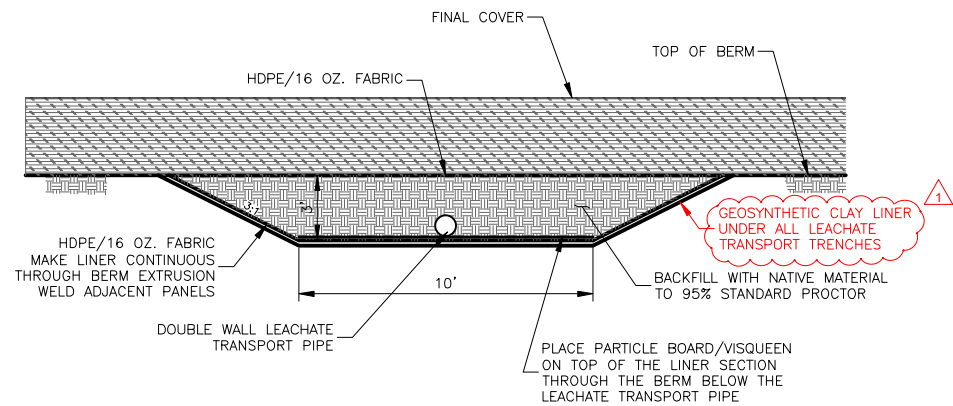
1 LANDFILL FINAL COVER SYSTEM
21 NOT TO SCALE



2 LINER PENETRATION DETAIL
21 NOT TO SCALE



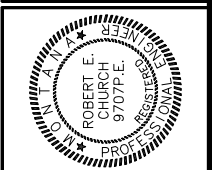
3 LEACHATE COLLECTION REMOVAL SYSTEM DURING PHASED EXPANSIONS
21 NOT TO SCALE



4 LEACHATE TRANSPORT PIPE SECTION
21 NOT TO SCALE

NO.	REVISION DESCRIPTION	BY	DATE
1	GCL	STR	1/15/24

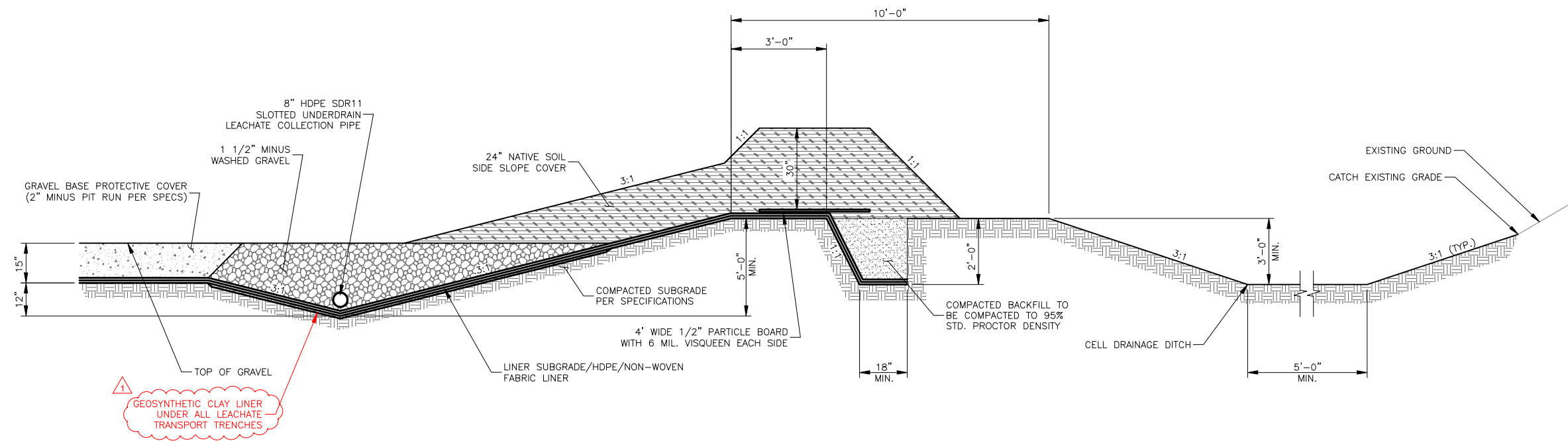
PROJECT: 1-20288	DESIGNED: BAA/STR
DRAWN: BAA/STR	CHECKED: SMB
APPROVED: REC	DATE: JANUARY 16, 2024



**PACIFIC STEEL & RECYCLING
AUTO SHRED RESIDUE (ASR)
REPOSITORY MASTER PLAN**

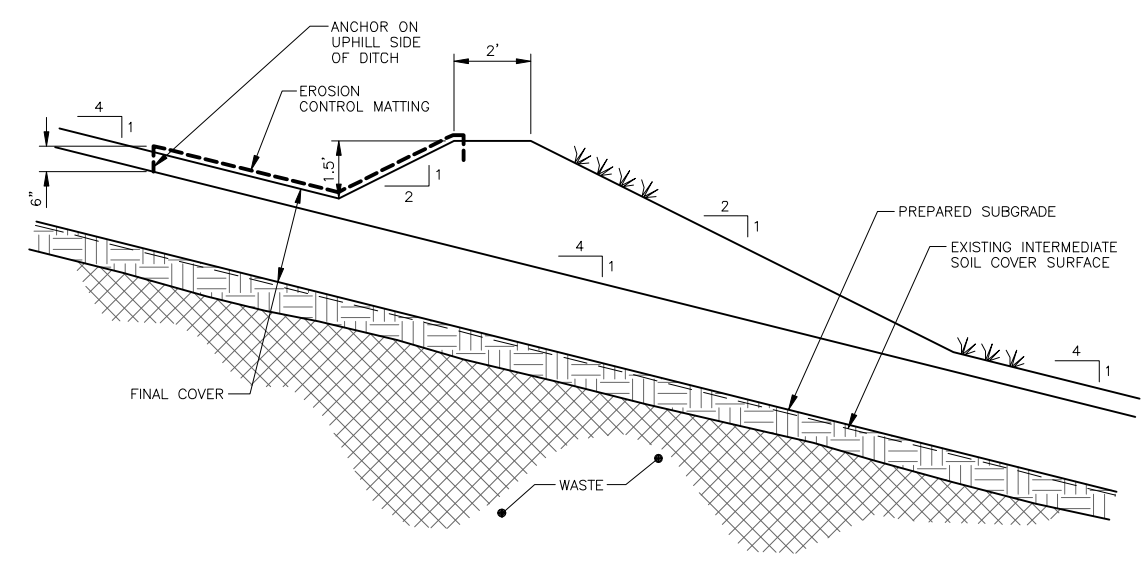
DETAILS

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△ GEOSYNTHETIC CLAY LINER UNDER ALL LEACHATE TRANSPORT TRENCHES

1
22 **LINER TERMINATION AND TEMPORARY RUN-ON CONTROL DITCH SECTION**
NOT TO SCALE

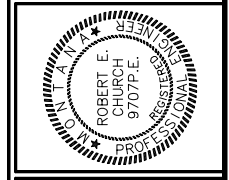


NOTE:
TYPE 1 DITCHES TO BE USED
ON FINISHED 4:1 SLOPES WITH
A MAXIMUM SLOPE OF 5%.

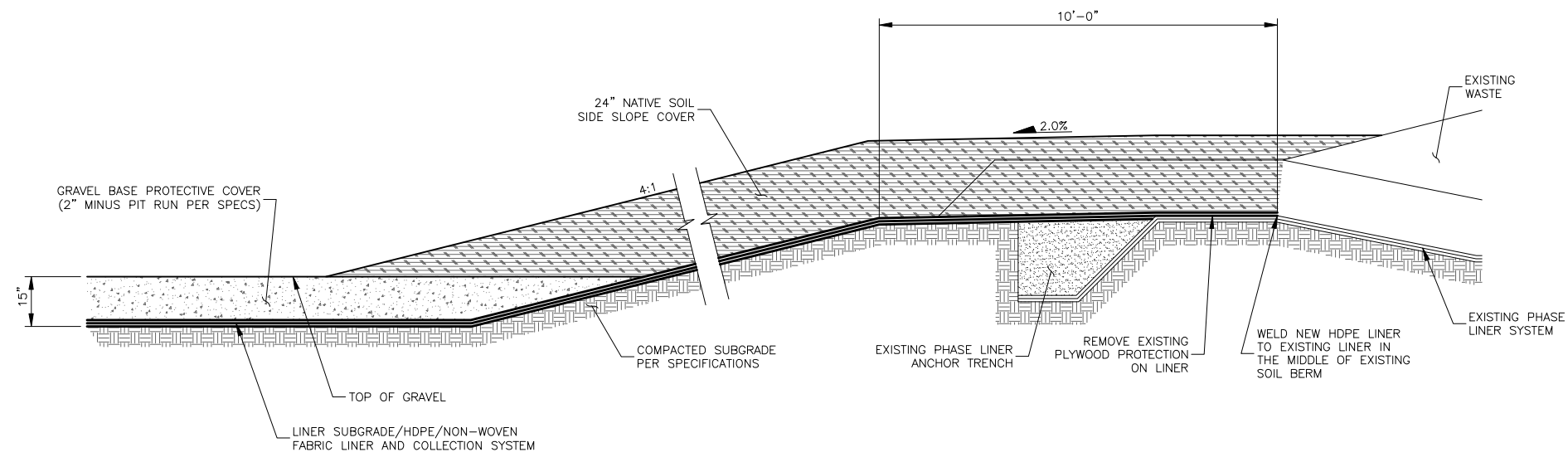
2
22 **TYPE 1 DITCH SECTION-SIDE SLOPE DITCHES ON FINAL COVER**
NOT TO SCALE

NO.	REVISION DESCRIPTION	BY	DATE
1	GCL	STR	1/15/24

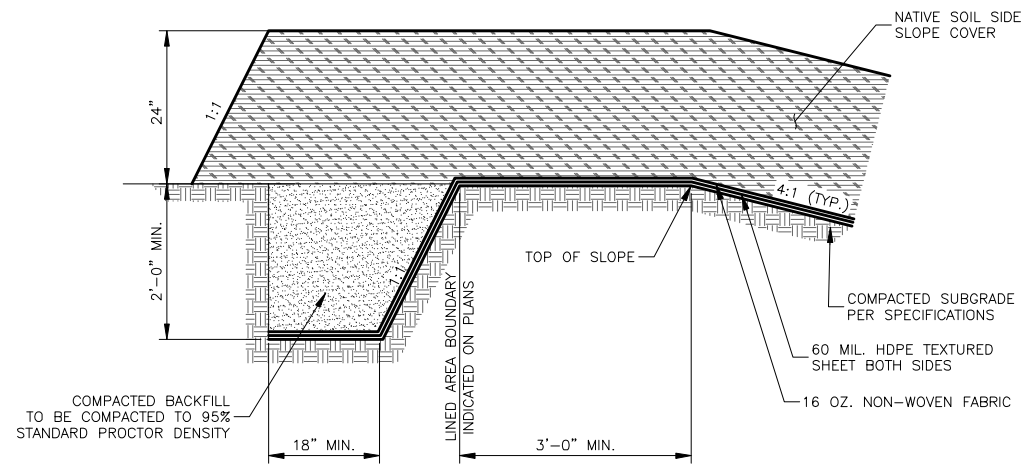
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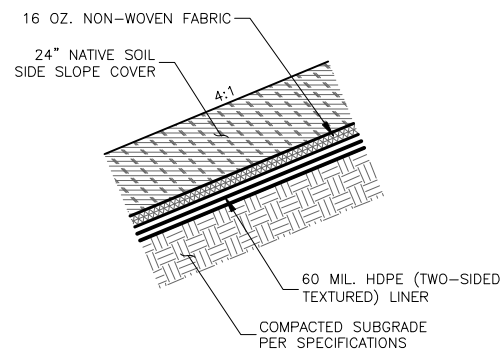
**PACIFIC STEEL & RECYCLING
AUTO SHRED RESIDUE (ASR)
REPOSITORY MASTER PLAN**
DETAILS



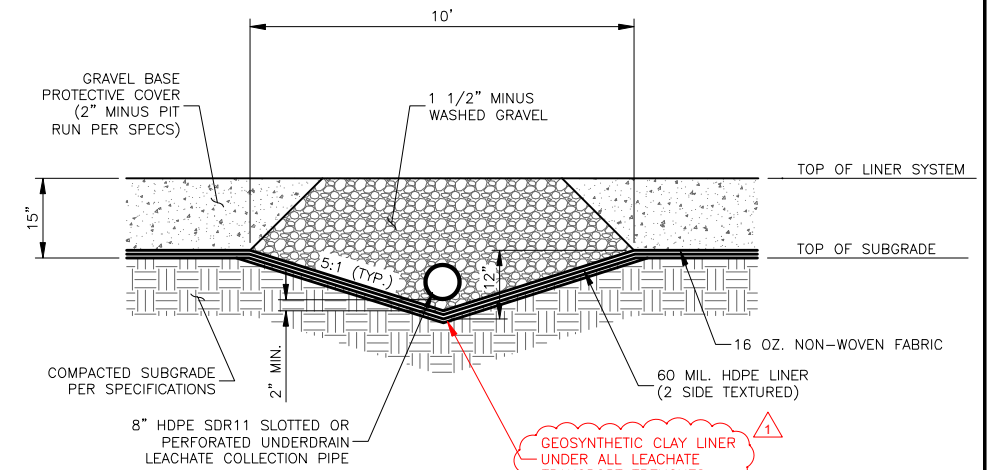
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23 **TYPICAL LINER TIE-IN SECTION**
NOT TO SCALE



2
23 **TYPICAL ANCHOR TRENCH DETAIL**
NOT TO SCALE



3
23 **TYPICAL SIDE SLOPE LINER DETAIL**
NOT TO SCALE



4
23 **TYPICAL BASE LINER/LEACHATE COLLECTION LATERAL CROSS SECTION**
NOT TO SCALE

NO.	REVISION DESCRIPTION	BY	DATE
1	GCL	STR	1/15/24

PROJECT: 1-20288
 DESIGNED: BAA/STR
 DRAWN: BAA/STR
 CHECKED: SMB
 APPROVED: REC
 DATE: JANUARY 16, 2024

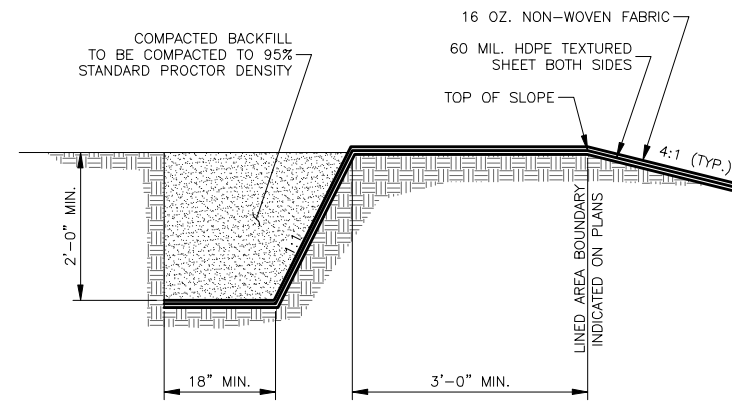


**PACIFIC STEEL & RECYCLING
 AUTO SHRED RESIDUE (ASR)
 REPOSITORY MASTER PLAN**
 DETAILS

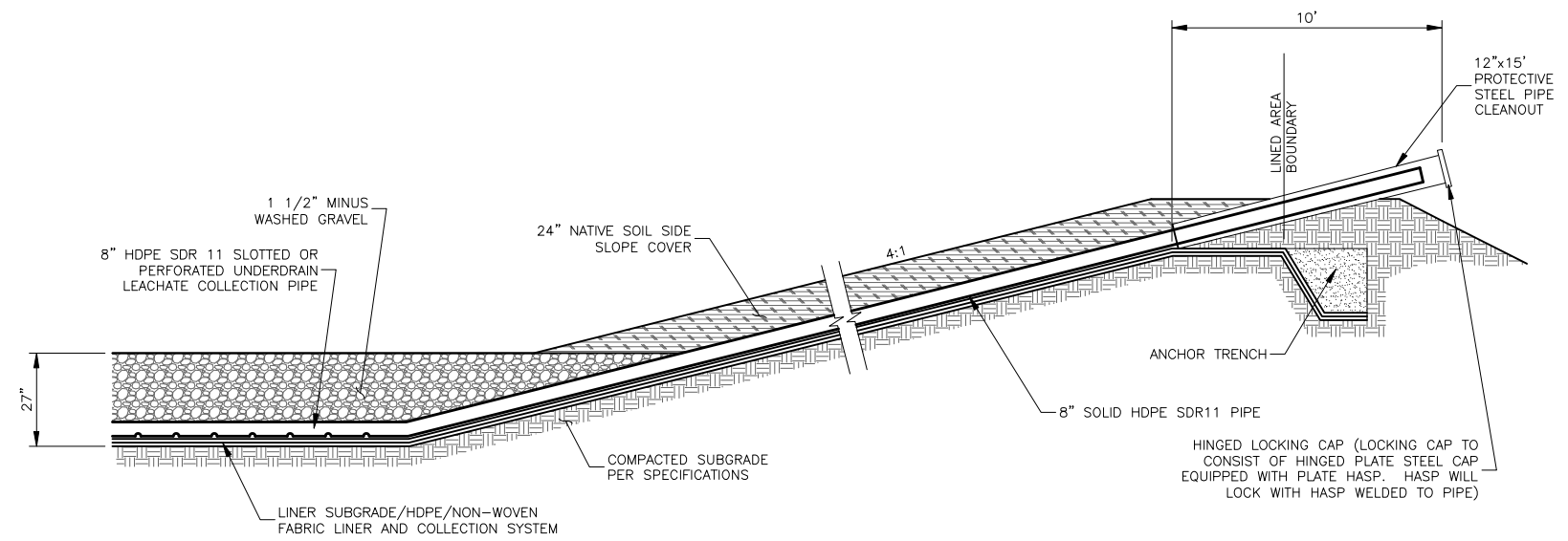
SHEET NO.

23

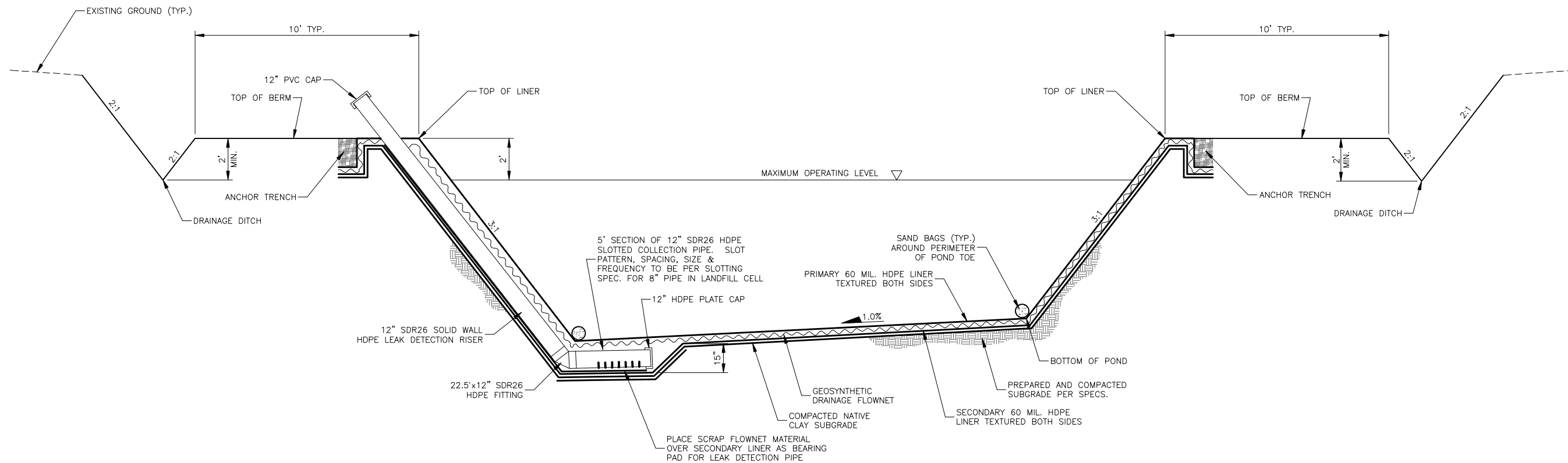
OF 25



1
24
TYPICAL LINER ANCHOR TRENCH DETAIL
NOT TO SCALE



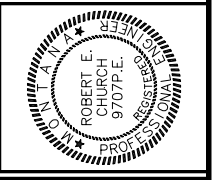
2
24
LEACHATE CLEANOUT SECTION
NOT TO SCALE



3
24
LEACHATE EVAPORATION POND SECTION
NOT TO SCALE

NO.	REVISION DESCRIPTION	BY	DATE

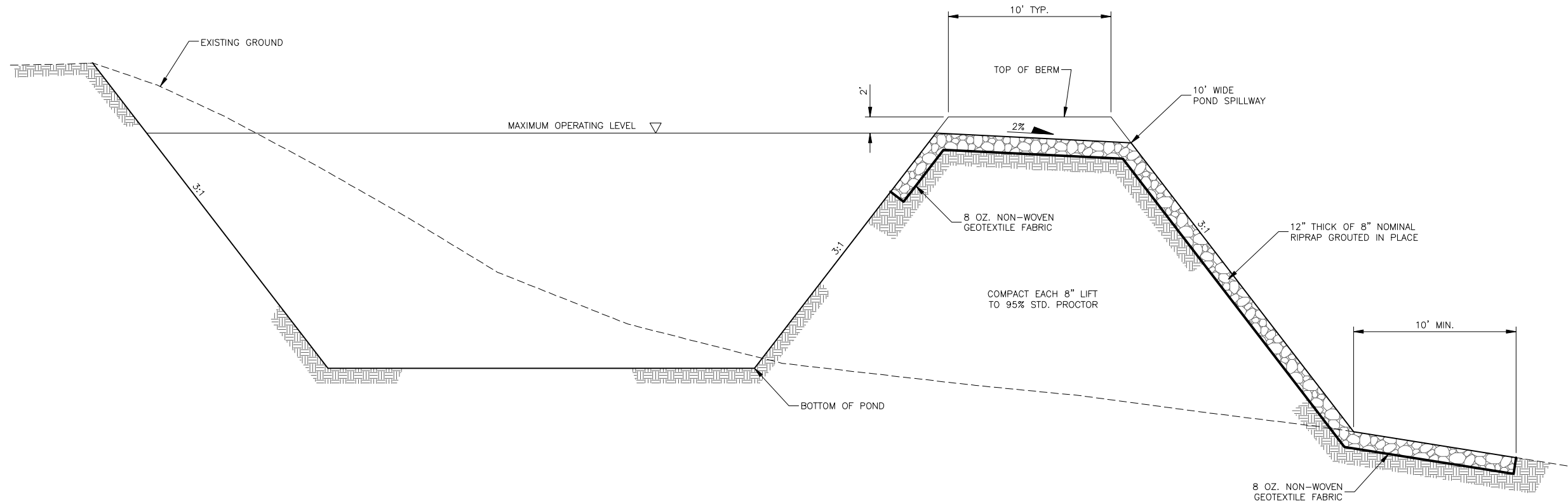
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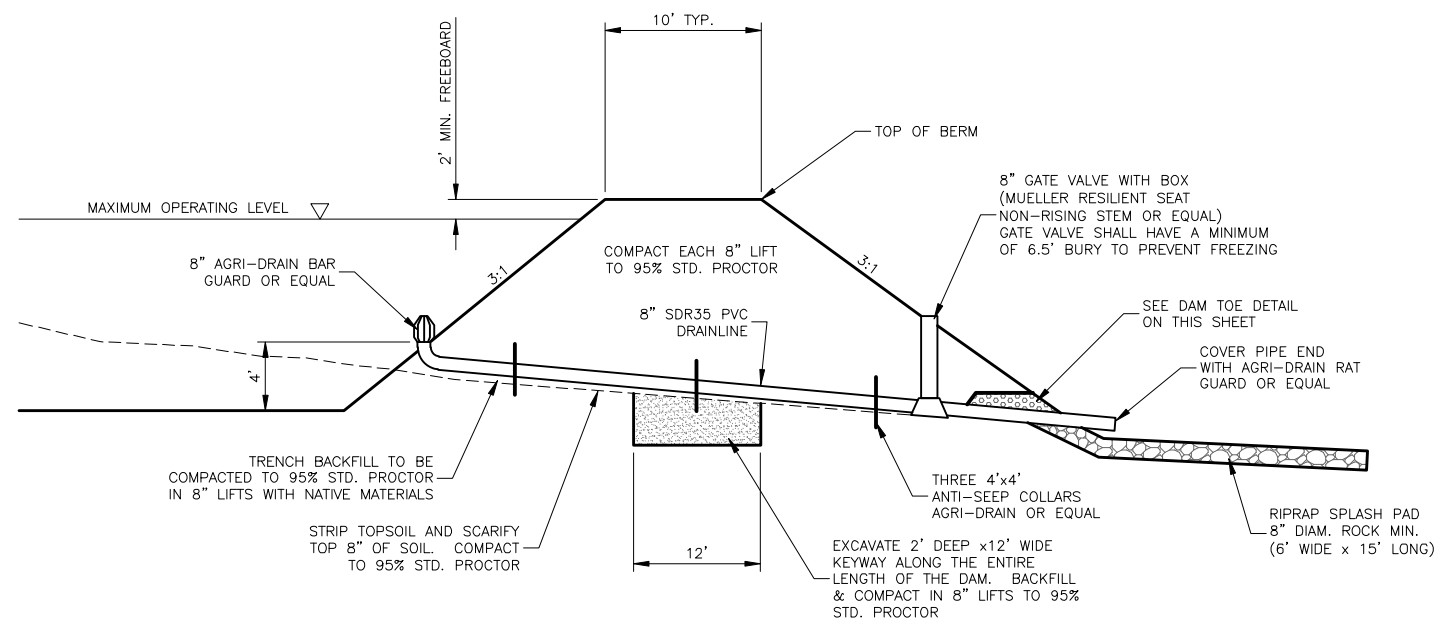
**PACIFIC STEEL & RECYCLING
 AUTO SHRED RESIDUE (ASR)
 REPOSITORY MASTER PLAN**

DETAILS

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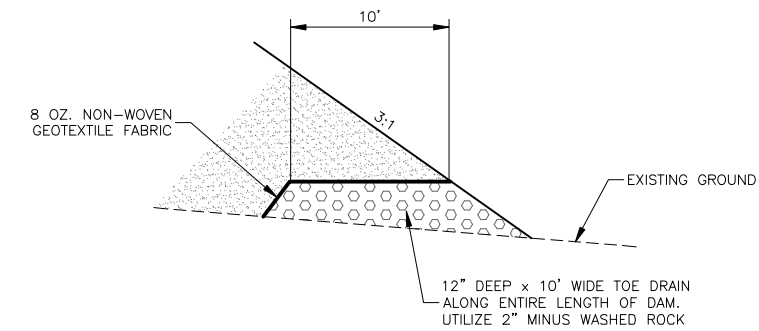


1
25 **STORMWATER DETENTION POND SECTION**
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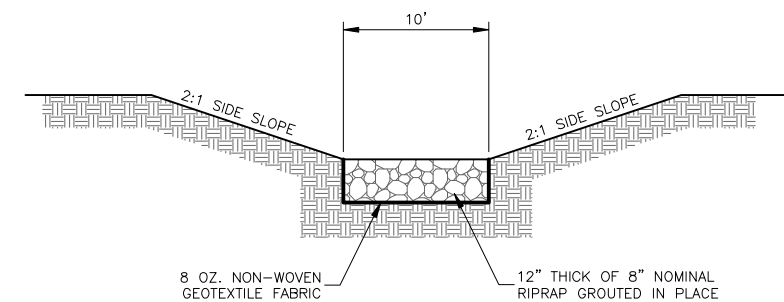
STORMWATER DETENTION POND DRAINLINE DETAIL

NOT TO SCALE



DAM TOE DETAIL

NOT TO SCALE

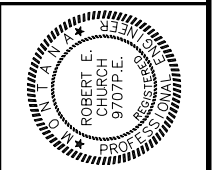


SPILLWAY DETAIL

NOT TO SCALE

NO.	REVISION DESCRIPTION	BY	DATE

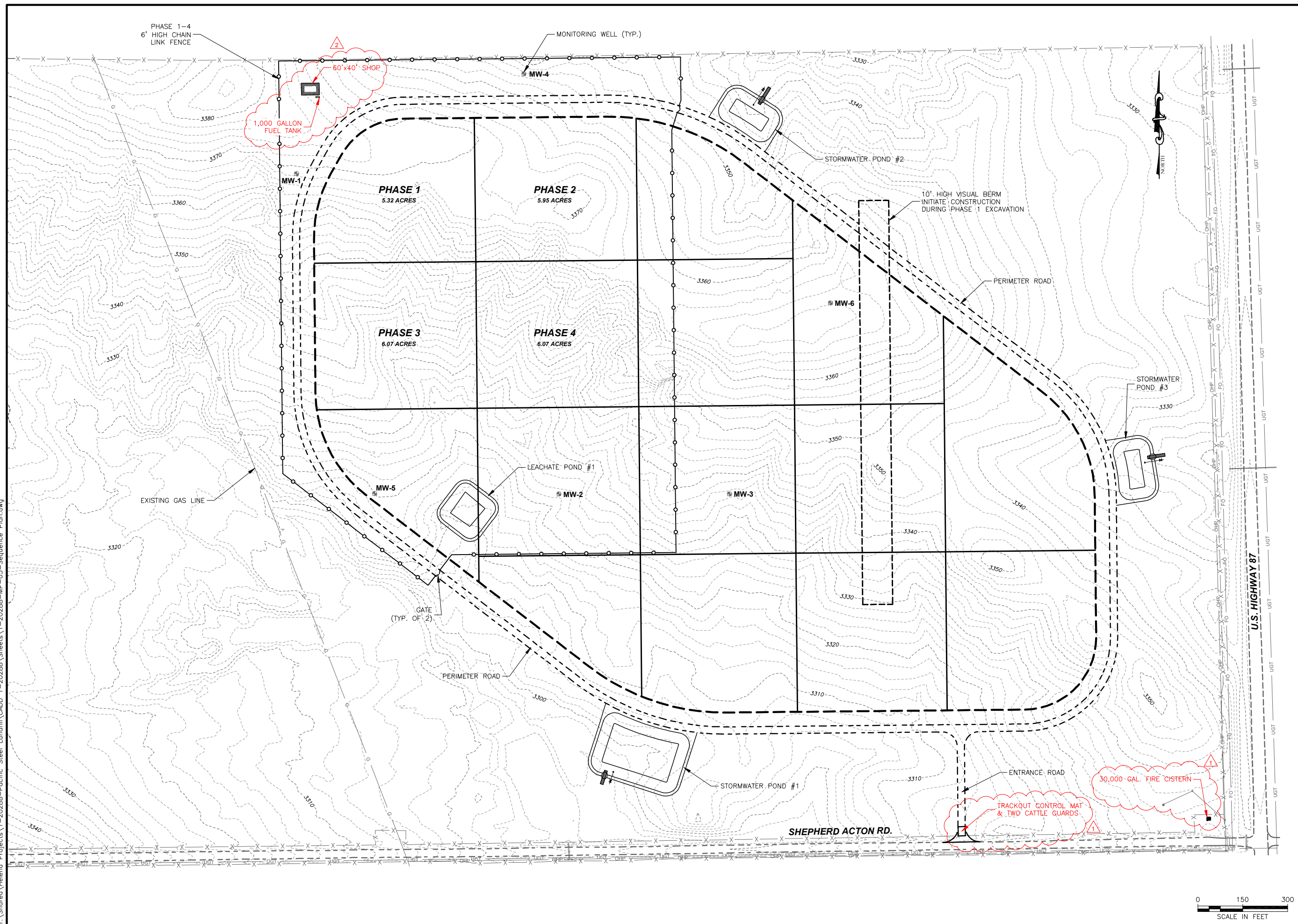
PROJECT: 1-20288
 DESIGNED: BAA/STR
 DRAWN: BAA/STR
 CHECKED: SMB
 APPROVED: REC
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**PACIFIC STEEL & RECYCLING
 AUTO SHRED RESIDUE (ASR)
 REPOSITORY MASTER PLAN**
 DETAILS

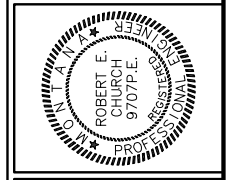
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NO.	REVISION DESCRIPTION	BY	DATE
1	CISTERN, TRACKOUT/CATTLE GUARD	STR	1/15/24
2	BUILDING/FUEL TANK LOCATION	TLC	4/19/24
3			
4			

PROJECT: 1-20288
 DESIGNED: BAA,STR
 DRAWN: BAA,STR
 CHECKED: SMB
 APPROVED: REC
 DATE: APRIL 19, 2024



PACIFIC STEEL & RECYCLING AUTO SHRED RESIDUE (ASR) REPOSITORY MASTER PLAN

SEQUENCE PLAN

SHEET NO.
3
 OF 25

MONTANA SAGE GROUSE HABITAT CONSERVATION PROGRAM



GREG GIANFORTE, GOVERNOR

1539 ELEVENTH AVENUE

STATE OF MONTANA

PHONE: (406) 444-0554
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PO BOX 201601
HELENA, MONTANA 59620-1601

Project No. 4969
Governor's Executive Orders 12-2015 and 21-2015
Pacific Steel Auto Shred Residue Repository

Travis Craig
Great West Engineering
2501 Belt View Dr.
Helena, MT 59601

May 8, 2024

Dear Mr. Craig,

The Montana Sage Grouse Habitat Conservation Program received a request for consultation and review of your project or proposed activity on October 7, 2022. Additional information necessary to complete a Program review was received on November 14, 2023. The original Program Consultation Letter Package was issued on November 16, 2023. Here, Pacific Steel and Recycling is requesting to start project activities on June 17, 2024 instead of August 1, 2024. Based on the information provided, all or a portion of this project is located within General Habitat for sage grouse. The Bureau of Land Management (BLM) classifies this area as a General Habitat Management Area (GHMA).

Executive Orders 12-2015 and 21-2015 set forth Montana's Sage Grouse Conservation Strategy. Montana's goal is to maintain viable sage grouse populations and conserve habitat so that Montana maintains flexibility to manage our own lands, our wildlife, and our economy and to ensure that a listing under the federal Endangered Species Act is not warranted in the future.

The Program has completed its review, including:

Project Description:

Project Type: Infrastructure - Industrial/Commercial

Project Disturbance: 90.13 Acre Landfill; 0.62 Acre Leachate Pond; Three Stormwater Ponds Totaling 3.03 Acres; 368.48-Foot-Long Access Road; 1.53-Mile-Long Perimeter Road; 0.10 Acre Building; 0.32-Mile Long Buried Power Line

Construction Timeframe: June 17, 2024 to December 31, 2024, Short Term (1-5 Years)

Operations Timeframe: January 1, 2025 to Permanent (>25 Years)



Hosted by the Montana Department of Natural Resources and Conservation
Director's Office: (406) 444-2074



Project Location:

Legal: Township 2 North, Range 26 East, Section 3

County: Yellowstone

Ownership: Private

Project Description and Executive Orders 12-2015 and 21-2015 Consistency:

The Pacific Steel Auto Shred Residue Repository Project proposes to construct an automobile shred residue repository facility in designated General Habitat for sage grouse.

Pacific Steel and Recycling proposes to build an automobile landfill and associated infrastructure approximately six and a half miles northeast of Billings, Montana in Yellowstone County. See Figure 1 in the enclosed Mitigation Plan (Pacific Steel Auto Shred Residue Repository Project Location Map).

The Pacific Steel Auto Shred Residue Repository Project will include a 0.6 leachate pond within a 90-acre landfill, and three storm water ponds totaling 3.03 acres. A new access road will provide access to the landfill from Shepherd Acton Road and a 24-foot-wide road will provide access to the perimeter of the landfill and the three stormwater ponds. A maintenance building and buried power line will also be installed to support the facility.

The equipment necessary for the construction of this Project includes a scraper, dozer, excavator, and haul truck.

The Project proposes to disturb the area in phases. Once a new phase is opened, the previous phase will be closed and reclaimed. Phase closure will include the capping of the waste with a Department of Environmental Quality (DEQ-approved final closure cap. Closed caps will be reseeded with a native seed mixture.

Based on the information you provided, your Project is not within two miles of an active sage grouse lek. See Figure 2 in the enclosed Mitigation Plan (Pacific Steel Auto Shred Residue Repository Lek Location Map).

Mitigation:

For the Pacific Steel Auto Shred Residue Repository Project, the Program calculated mitigation for the 90.13-acre landfill, 368.48-foot-long access road, 1.53-mile-long perimeter road, 0.62 acre leachate pond, three stormwater ponds totaling 3.03 acres, one 0.097-acre building, and 0.32-mile-long buried power line.

Estimated Functional Acres Lost Over the Life of the Project and Total Debit Obligation

The Program has calculated functional acres lost within the project area using the Habitat Quantification Tool (HQT) October 2018 v1.0, and Policy Guidance Document October 2018 v1.0. The HQT was calculated on October 20, 2022, with one year of construction, 99 years of



operations, and the default 75 years of reclamation. The results for this Project are described as follows.

HQT Functional Acres Lost: 7,301.83
Reserve Account (20%): 1,460.37
Advance Payment (10%): 730.18
Total Debit Obligation: 9,492.38

The direct footprint, indirect impact area, and applicable policy multipliers for this Project will result in a total of 9,492.38 debits. See Figure 3 in the enclosed Mitigation Plan (Pacific Steel Auto Shred Residue Repository Project HQT Basemap v1.0 Map and Operation Phase Map). Pacific Steel and Recycling provided a Mitigation Plan outlining Project specific avoidance, minimization, reclamation and compensatory mitigation to address Project impacts. Pacific Steel and Recycling chose to fulfill the mitigation obligation by making a contribution to the Stewardship Account.

Mitigation Plan

The Mitigation Plan describes avoidance, minimization, reclamation, and compensatory mitigation measures Pacific Steel and Recycling will implement to address and mitigate for unavoidable impacts from Executive Order 12-2015. Pacific Steel and Recycling has voluntarily committed to this Mitigation Plan (including compensatory mitigation).

The Mitigation Plan:

- describes the Project and summarizes activities that would occur within it;
- describes project mitigation in accordance with Executive Orders 12-2015 and 21-2015;
- summarizes potential impacts to sage grouse and sage grouse habitats;
- describes where the project adheres to the mitigation hierarchy through avoidance, minimization, reclamation; and
- explains Pacific Steel Recycling will make a contribution to the Stewardship Account to fulfill the mitigation debit obligation.

Pacific Steel and Recycling chose to fulfill the mitigation obligation by making a contribution to the Stewardship Account. Instructions for making a contribution to the Stewardship Account are enclosed and require your signature. The Payment Cover Memo is intended to assist with the Program's recordkeeping. The Stewardship Account Donation Form includes instructions for wire transfer or check payments, found at the bottom of the form. Let us know what form of payment you would like to use when you return the signed forms. Payment should be made **after** you obtain your necessary permits but **before** initiating the project activity.

Program Recommendations:

The following stipulations are taken from Montana Executive Order 12-2015. These stipulations are designed to maintain existing levels of suitable sage grouse habitat by managing uses and activities in sage grouse habitat to ensure the maintenance of sage grouse abundance and



distribution in Montana. Development should be designed and managed to maintain populations and sage grouse habitats.

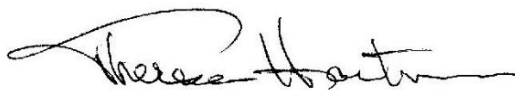
- Reclamation should re-establish native grasses, forbs, and/or shrubs during interim and final reclamation. The goal of reclamation is to achieve cover, species composition, and life form diversity commensurate with the surrounding plant community or desired ecological condition to the benefit of sage grouse and replace or enhance sage grouse habitat to the degree that environmental conditions allow.
- Weed management is required within General Habitat for sage grouse. Reclamation of disturbed areas must include control of noxious weeds and invasive plant species, including cheatgrass (*Bromus tectorum*) and Japanese brome (*Bromus japonicas*).
- Implementation of the Mitigation Plan is binding, and the signed Program letter and Mitigation Plan package shall be attached to any permit the State issues. It is the Program's and MSGOT's expectation that the Mitigation Plan will be an integral part of any associated project permits.

Subject to the stipulations described above and voluntarily agreed to by Pacific Steel and Recycling in the enclosed Mitigation Plan, your activities are consistent with the Montana Sage Grouse Conservation Strategy. Your proposed project or activity may need to obtain additional permits or authorization from other Montana state agencies or possibly federal agencies. They are very likely to request a copy of this consultation letter, so please retain it for your records.

Please be aware that if the location or boundaries of your proposed project or activity change in the future, or if new activities are proposed within one of the designated sage grouse habitat areas, please visit <https://sagegrouse.mt.gov/> and submit the new information.

Thanks for your interest in sage grouse and your commitment to taking the steps necessary to ensure Montana's Sage Grouse Conservation Strategy is successful.

Sincerely,



Therese Hartman
Montana Sage Grouse Habitat Conservation Program Manager



Enclosures:

1. Pacific Steel Auto Shred Residue Repository Mitigation Plan
2. Stewardship Account Donation Instructions

cc. Fred Collins
Solid Waste Management Section Supervisor
Montana Department of Environmental Quality
deqswprogram@mt.gov



Pacific Steel Auto Shred Residue Repository
Project 4969

May 8, 2024

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1.0 Introduction and Project Description

The Pacific Steel Auto Shred Residue Repository Project proposes to construct an automobile shred residue repository facility in designated General Habitat for sage grouse.

Pacific Steel and Recycling proposes to build an automobile landfill and associated infrastructure approximately six and a half miles northeast of Billings, Montana in Yellowstone County. See Figure 1 in the enclosed Mitigation Plan (Pacific Steel Auto Shred Residue Repository Project Location Map).

The Pacific Steel Auto Shred Residue Repository Project will include a 0.6 leachate pond within a 90-acre landfill, and three storm water ponds totaling 3.03 acres. A new access road will provide access to the landfill from Shepherd Acton Road and a 24-foot-wide road will provide access to the perimeter of the landfill and the three stormwater ponds. A maintenance building and buried power line will also be installed to support the facility.

The equipment necessary for the construction of this project include a scraper, dozer, excavator, and haul truck.

The Project proposes to disturb the area in phases. Once a new phase is opened, the previous phase will be closed and reclaimed. Phase closure will include the capping of the waste with a DEQ-approved final closure cap. Closed caps will be reseeded with a native seed mixture.

1.1 Vegetative Community

The proposed site is located approximately four miles northeast of Sheridan, Montana. The Montana Spatial Data Infrastructure Land Use/Land Cover database (MSDI LULC, last updated December 2017) classifies the vegetation within the direct footprint and adjacent to the Project area as Big Sagebrush Steppe Montane Sagebrush Steppe.

1.2 Sage Grouse Populations Affected

The Pacific Steel Auto Shred Residue Repository Project is not within two miles of an active sage grouse lek. See Figure 2 (Pacific Steel Auto Shred Residue Repository Lek Location Map).

2.0 Executive Order 12-2015 Consistency Review

The Pacific Steel Auto Shred Residue Repository Project is located completely within General Habitat. Stipulations recommended in Executive Order 12-2015 (EO) are designed to maintain existing sage grouse populations and levels of suitable sage grouse habitat, and guide development activities in General Habitat in a manner that sustains sage grouse abundance and distribution in Montana.

Delineated Core Areas are important for maintaining the abundance and distribution of sage grouse across Montana. Development scenarios in General Habitat are more flexible than in Core Areas but must still be designed and managed to maintain sage grouse populations and habitats.

2.1 Montana EO 12-15 Stipulations That Apply to Projects in Designated Habitat

The entire Pacific Steel Auto Shred Residue Repository Project is in General Habitat. Projects located in General Habitat may be subject to the following stipulations per Executive Order 12-2015.

- **Surface Occupancy:** Within 0.25 miles of the perimeter of active sage grouse leks there will be no surface occupancy (NSO) for new activities.
- **Seasonal Use:** As authorized by permitting agency or agencies, activities will be prohibited from March 15 through July 15 within 2.0 miles of an active lek where breeding, nesting, and early brood-rearing habitat is present.
- **Vegetation Removal:** Will be limited to the minimum disturbance required by the project.
Noise: New project noise levels, either individual or cumulative, should not exceed 10dBA (as measured by L50) above baseline noise at the perimeter of an active lek from 6:00 p.m. to 8:00 a.m. during the breeding season (March 1 through July 15).

2.2 Deviations that Apply to the Pacific Steel Auto Shred Residue Repository Project

The entire Pacific Steel Auto Shred Residue Repository Project is beyond two miles of an active sage grouse lek in General Habitat. Therefore, activities associated with the Project are not expected to deviate from Executive Order 12-2015 guidance and stipulations.

2.3 Adherence to Mitigation Hierarchy

The Pacific Steel Auto Shred Residue Repository Project is located within designated General Habitat for sage grouse.

2.3.1 Avoidance

The Pacific Steel Auto Shred Residue Repository Project is located in General Habitat. Therefore, it does not avoid impacts to sage grouse habitat.

2.3.2 Minimization

The Pacific Steel Auto Shred Residue Repository Project is outside of the two-mile buffer of any active sage grouse lek. Therefore, impacts to sage grouse are minimized through Project siting.

2.3.3 Reclamation

The Project proposes to disturb the area in phases. Once a new phase is opened, the previous phase will be closed and reclaimed. Phase closure will include the capping of the waste with a Department of Environmental Quality (DEQ)-approved final closure cap. Closed caps will be reseeded with a native seed mixture.

3.0 Compensatory Mitigation

The Program ran the Habitat Quantification Tool (HQT) using HQT v1.0 October 2018. The HQT models direct and indirect impacts from a project, and overlays those impacts on the HQT Basemap to calculate the total amount of functional acres lost due to the Project (Table 1). The HQT was calculated on October 19, 2022. The model was calculated with a one-year construction phase, a 99-year operations phase, and the default 75 years of reclamation. See Figure 3 (Pacific Steel Auto Shred Residue Repository Project HQT Basemap v1.0 Map and Operation Phase Map). The Raw HQT Score is 7,301.83 functional acres lost.

3.1.1 Habitat Quantification Tool Results

Table 1. Raw HQT Score Applied to the Pacific Steel Auto Shred Residue Repository Project.

Raw HQT Score - Preliminary Results			
Habitat Type	Project Phase	Impact Area	Raw HQT Score
General Habitat	Construction	Direct Impact	14.27
		Indirect Impact	83.72
	Operations	Direct Impact	1,416.45
		Indirect Impact	5,221.63
	Reclamation	Direct Impact Only	565.70
	All Phases	Direct Impact	1,996.48
Indirect Impact		5,305.35	
Total Raw HQT Score			7,301.83

3.1.2 Application of Policy Modifiers

The Mitigation System Policy Guidance v1.0 October 2018 document was applied to the Pacific Steel Auto Shred Residue Repository Project. The Policy outlines specific multipliers to incentivize consistency with the EO stipulations. Multipliers also ensure that mitigation is timely and effective throughout the life of the project.

Risk and The Reserve Account Contribution is accounted for through the Reserve Account multiplier. It is mandatory. Twenty percent of the Raw HQT Score is calculated and added to the Raw HQT Score. This accounts for the fact that impacts are estimated. The Reserve Account also functions as a shared insurance pool so that credits may be replaced if credit sites do not produce as many credits as predicted or credits are lost due to an Act of God, such as a wildfire.

Advance Payment of 10% is applied to the total Raw HQT Score for direct and indirect impacts for the life of the project where the proponent will not undertake permittee responsible mitigation and would make a contribution to the Stewardship Account.

Federal Net Gain of 10% is applied when the project involves a federal nexus. Calculations are based on only the portion of the project having a federal nexus.

Site-Specific Impacts are addressed through a multiplier of 10% for a Core Area, or 5% for General Habitat for each aspect of a proposed project that is not consistent with the EO 12-2015 stipulations during either construction or operations phase of a project.

Programmatic Multipliers for all phases of the Pacific Steel Auto Shred Residue Repository Project are shown on Table 2. The Raw HQT Score (7,301.83) was multiplied by 20% to calculate Reserve Account debits of 1,460.37. A 10% Advance Payment of 730.18 debits is added because here the State assumes responsibility to find offsets in that Pacific Steel and Recycling opted to make a contribution instead of undertaking a permittee responsible mitigation project. The Project is fully consistent with EO 12-2015 site specific stipulations, therefore, no site-specific multipliers were added to the HQT score. The Policy Multipliers resulted in 2,190.55 debits.

Table 2. Policy Multipliers Applied to the Pacific Steel Auto Shred Residue Repository Project.

Policy Multiplier			
Policy Application (conversion from Functional Acres Lost to Debits)			
Multiplier Type	Specific Multiplier	General Habitat	Debits
Programmatic Multipliers (Construction Operation and Reclamation)	Reserve Account (20%)	1	1,460.37
	Adv. Payment (10%)	1	730.18
Federal Portion Only	Net Gain	0	0
Total Policy Multiplier Debits			2,190.55

3.1.3 Total Mitigation Debit Obligation

The total mitigation debit obligation is based on the total Raw HQT Score (7,301.83) plus the total Policy Multiplier debits (2,190.38), applicable to the Pacific Steel Auto Shred Residue Repository Project (Table 3). The final total mitigation debit obligation for the project is 9,492.38 debits.

Table 3. Total Debits Applied to the Pacific Steel Auto Shred Residue Repository Project.

Total Debits	
Total Raw HQT Score	7,301.83
Total Policy Multiplier Debits	2,190.55
Total Debit Obligation	9,492.38

To fulfill the 9,492.38-mitigation debit obligation, Pacific Steel and Recycling elected to make a contribution to the Stewardship Account. Credits obtained through the Stewardship Account are currently \$13 per debit. The total mitigation debit obligation of 9,492.38 is multiplied by \$13. The total is then discounted by 3% over the life of the project using a discounting method. The final total for the Pacific Steel Auto Shred Residue Repository Project is \$37,664.54 (Table 4).

Table 4. Total When Making Contribution to Stewardship Account.

Total	
Total Debit Obligation	9,492.38
Contribution After Applying Credit Discount Method	\$37,664.54

4.0 Mechanism Selected to Fulfill the Compensatory Mitigation Obligation

Pacific Steel and Recycling has committed to a compensatory mitigation obligation of \$37,664.54 to be deposited in the Montana Sage Grouse Stewardship Fund (see MCA 87-5-909((1)(a)(ii)). Funds would be deposited after confirmation of approval for permits but before construction begins.

The MSGOT and Program would disburse these funds through the Stewardship Account granting process to conserve habitat and sage-grouse populations through offsite mitigation. Any benefit of onsite

mitigation would be negated until such activities were completed and disturbed lands fully reclaimed. The Pacific Steel Auto Shred Residue Repository Project is in the Central Service Area. MSGOT will be encouraged to apply these funds to mitigation within the Project's same Service Area so that greater conservation benefits to sage-grouse can be secured offsite.

Figure 1- Pacific Steel Auto Shred Residue Repository Project Location Map

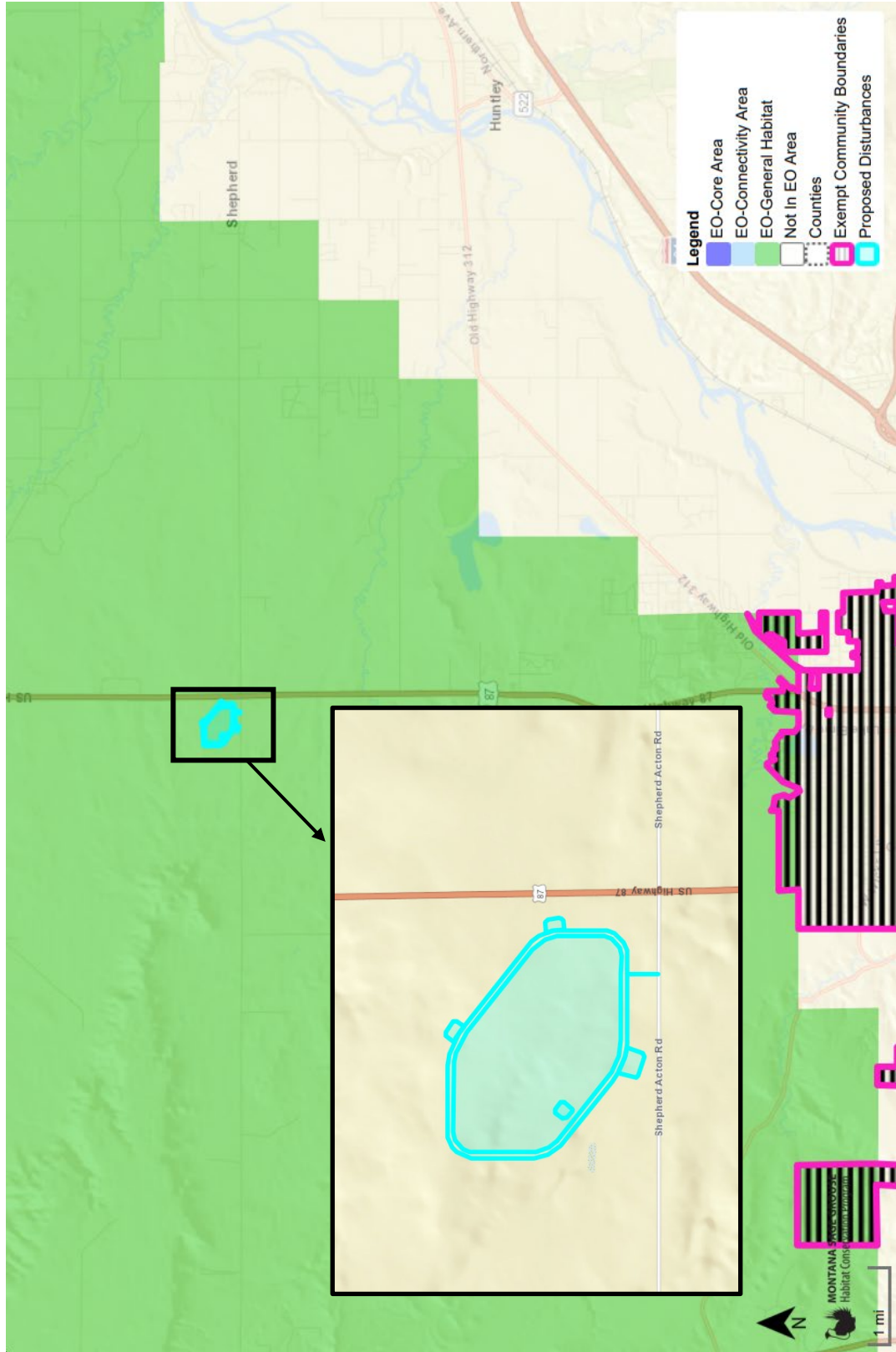


Figure 2- Pacific Steel Auto Shred Residue Repository Project Lek Location Map

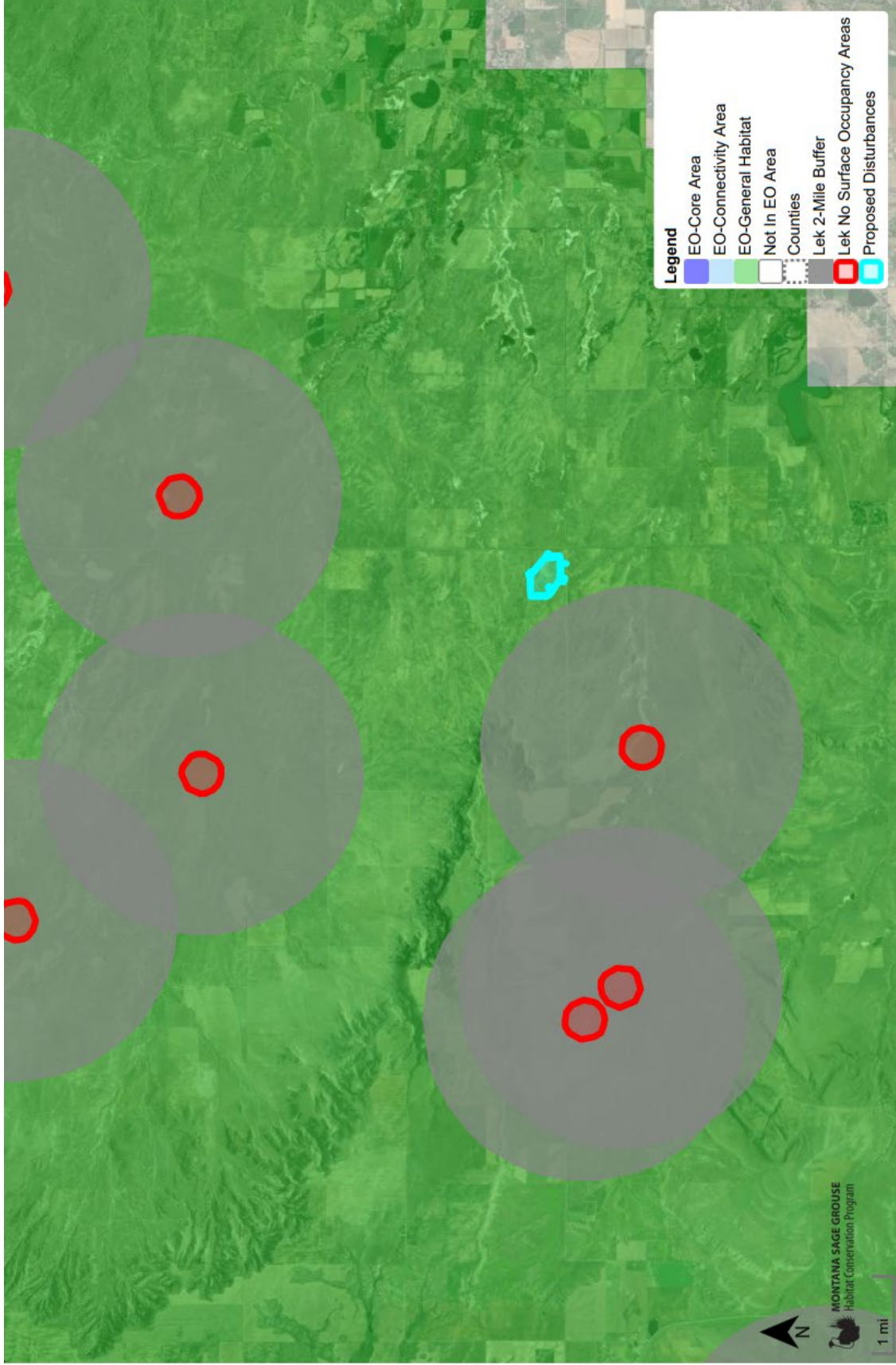
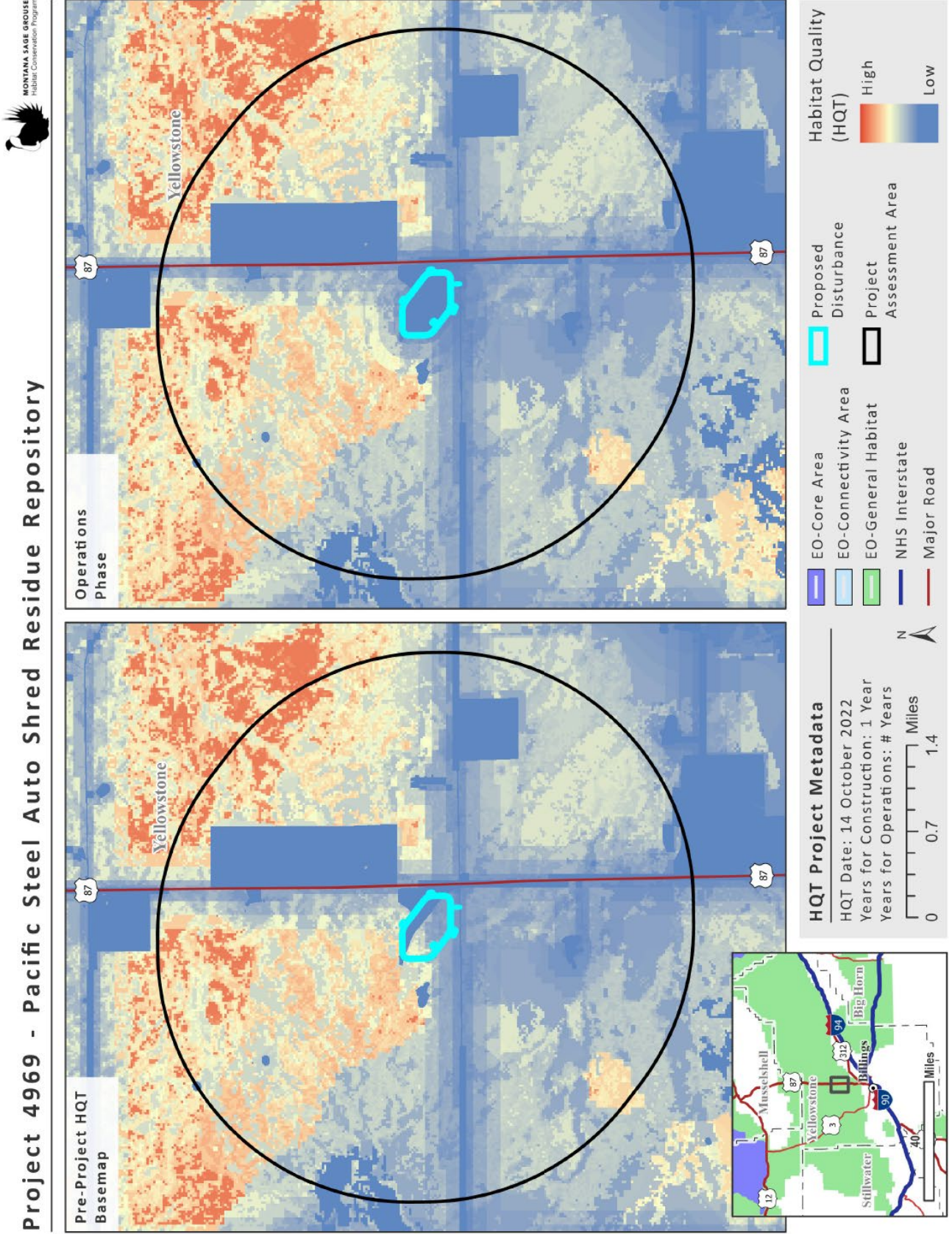


Figure 3: Pacific Steel Auto Shred Residue Repository Project HQT Basemap v1.0 Map and Operation Phase Map





MONTANA SAGE GROUSE
Habitat Conservation Program

Instructions for Contribution to the Stewardship Account

1. The project developer/permit holder or applicant should review the two attached forms.
 - The Payment Acknowledgment Form allows DNRC fiscal staff and the Program to track of the transaction.
 - The Stewardship Account Contribution Form recaps your mitigation approach and serves as an invoice for payment. You are welcome to forward this form to your accounting office or bookkeeper.
2. The forms should be signed by the developer, authorized permit applicant or permit holder and returned to the Program prior to making a payment.

The signed forms may be scanned and emailed to the Program reviewer:

Emoran@mt.gov

or mailed to:

Montana Sage Grouse Habitat Conservation Program
P.O. Box 201601
Helena, MT 59620

3. Payment should be made **after** you obtain your necessary permits but **before** initiating the project activity.

Instructions for wire transfer or check payments are found at the bottom of the Stewardship Account Contribution Form.

4. The Program will sign the forms and will save the completed Payment Acknowledgment Form and Stewardship Account Donation Form as a package within your online project file, if you need a copy of the documents in the future.

Payment Acknowledgment

FOR DNRC AND SAGE GROUSE PROGRAM USE ONLY

DeveloperName(Payor):
ProjectName:
ProjectIDNo:
TotalNumberofDebits:
Sage Grouse ServiceAreaofProject:
Majorand MinorVersion oftheHQTTechnicalManual:
Majorand MinorVersion ofthePolicyGuidance:

Amount of Deposit:
Date of Wire Transfer or Check Deposit:
Multiple Payments Expected: Yes No If Yes, date anticipated:
Purchasing Stewardship Account Credits: Yes No If Yes Grant Project Name:
Contribution Equivalent to Average Cost of Credits: Yes No If Yes, Average Cost of Credit:
Donation for Purposes Other than Mitigation: Yes No Purpose:

Fund Name: Sage Grouse Stewardship Account (Payee) Fund No. 02318 Org. No: 13 Speed Chart:R2310

APPROVED / DATE

MSGOT: _____
SG Program Manager: _____
CARDD Administrator: _____



MONTANA SAGE GROUSE
Habitat Conservation Program

Taken together, Executive Orders 12-2015 and 21-2015 and the 2015 Greater Sage Grouse Stewardship Act (Act) set forth that Montana will observe the mitigation hierarchy and that compensatory mitigation is consistent with the purpose of incentivizing voluntary conservation measures for sage grouse habitat and populations. MCA §§ 87-5-902, 87-5-911(1)(a)-(b), (2), and (3). The number of debits attributed to a development project, and ultimately the final mitigation obligation is determined by applying the Habitat Quantification Tool and accompanying policy guidance, and as approved by the Montana Sage Grouse Oversight Team. MCA §§ 87-5-903(5), 87-5-903(9), 87-5-903(10), 87-5-905(1)(g), 87-5-911(1)-(3).

Once the amount of compensatory mitigation is determined and approved, developers select their own method for offsetting debits. The Act provides for many different methods, and developers can use more than one method. MCA § 87-5-910(1)(b). Among the available methods, the Act provides that developers can purchase an equal number of credits from the available credits tracked by the Montana Sage Grouse Oversight Team or, if sufficient conservation credits are unavailable for purchase, making a financial contribution to the Sage Grouse Stewardship Account established in MCA § 87-5-909. MCA §§ 87-5-903(4), 87-5-909, 87-5-911(1)(b)(i)-(ii).

This payment to the Sage Grouse Stewardship Account is made by to provide compensatory mitigation for the debits of the project in designated sage grouse habitat pursuant to MCA §§ 87-5-911(1)-(3). The purpose of the funds is to mitigate and offset impacts to sage grouse populations and habitats resulting from the Project. Additional details can be found in the approved mitigation plan and donation form.

The Montana Sage Grouse Oversight Team will approve expenditures of funds deposited to the Sage Grouse Stewardship Account consistent with the approved mitigation plan, the Greater Sage Grouse Stewardship Act, and applicable administrative rules.

Date

By: _____
Developer or Authorized Representative (Payor)

Date

By: _____
Sage Grouse Habitat Conservation Program (Payee)

Date

By: _____
Department of Natural Resources & Conservation (Payee)



MONTANA SAGE GROUSE
Habitat Conservation Program

Instructions for Contribution to the Stewardship Account

1. The project developer/permit holder or applicant should review the two attached forms.
 - The Payment Acknowledgment Form allows DNRC fiscal staff and the Program to track of the transaction.
 - The Stewardship Account Contribution Form recaps your mitigation approach and serves as an invoice for payment. You are welcome to forward this form to your accounting office or bookkeeper.
2. The forms should be signed by the developer, authorized permit applicant or permit holder and returned to the Program prior to making a payment.

The signed forms may be scanned and emailed to the Program reviewer:

Emoran@mt.gov

or mailed to:

Montana Sage Grouse Habitat Conservation Program
P.O. Box 201601
Helena, MT 59620

3. Payment should be made **after** you obtain your necessary permits but **before** initiating the project activity.

Instructions for wire transfer or check payments are found at the bottom of the Stewardship Account Contribution Form.

4. The Program will sign the forms and will save the completed Payment Acknowledgment Form and Stewardship Account Donation Form as a package within your online project file, if you need a copy of the documents in the future.

Payment Acknowledgment

FOR DNRC AND SAGE GROUSE PROGRAM USE ONLY

DeveloperName(Payor): Pacific Steel and Recycling
ProjectName: Pacific Steel Auto Shred Residue Repository
ProjectIDNo: 4969
TotalNumberOfDebits: 9,492.38
Sage Grouse ServiceAreaofProject: Central
Majorand MinorVersion oftheHQTTechnicalManual: October 2018 v1.0
Majorand MinorVersion ofthePolicyGuidance: October 2018 v1.0

Amount of Deposit: \$37,664.54
Date of Wire Transfer or Check Deposit:
Multiple Payments Expected: Yes No If Yes, date anticipated:
Purchasing Stewardship Account Credits: Yes No If Yes Grant Project Name:
Contribution Equivalent to Average Cost of Credits: Yes No If Yes, Average Cost of Credit: \$13.00
Donation for Purposes Other than Mitigation: Yes No Purpose:

Fund Name: Sage Grouse Stewardship Account (Payee) Fund No. 02318 Org. No: 13 Speed Chart:R2310

APPROVED / DATE
MSGOT: _____
SG Program Manager: _____
CARDD Administrator: _____
 MONTANA SAGE GROUSE
Habitat Conservation Program

Taken together, Executive Orders 12-2015 and 21-2015 and the 2015 Greater Sage Grouse Stewardship Act (Act) set forth that Montana will observe the mitigation hierarchy and that compensatory mitigation is consistent with the purpose of incentivizing voluntary conservation measures for sage grouse habitat and populations. MCA §§ 87-5-902, 87-5-911(1)(a)-(b), (2), and (3). The number of debits attributed to a development project, and ultimately the final mitigation obligation is determined by applying the Habitat Quantification Tool and accompanying policy guidance, and as approved by the Montana Sage Grouse Oversight Team. MCA §§ 87-5-903(5), 87-5-903(9), 87-5-903(10), 87-5-905(1)(g), 87-5-911(1)-(3).

Once the amount of compensatory mitigation is determined and approved, developers select their own method for offsetting debits. The Act provides for many different methods, and developers can use more than one method. MCA § 87-5-910(1)(b). Among the available methods, the Act provides that developers can purchase an equal number of credits from the available credits tracked by the Montana Sage Grouse Oversight Team or, if sufficient conservation credits are unavailable for purchase, making a financial contribution to the Sage Grouse Stewardship Account established in MCA § 87-5-909. MCA §§ 87-5-903(4), 87-5-909, 87-5-911(1)(b)(i)-(ii).

This payment to the Sage Grouse Stewardship Account is made by Pacific Steel and Recycling to provide compensatory mitigation for the debits of the Pacific Steel Auto Shred Residue Repository project in designated sage grouse habitat pursuant to MCA §§ 87-5-911(1)-(3). The purpose of the funds is to mitigate and offset impacts to sage grouse populations and habitats resulting from the Project. Additional details can be found in the approved mitigation plan and donation form.

The Montana Sage Grouse Oversight Team will approve expenditures of funds deposited to the Sage Grouse Stewardship Account consistent with the approved mitigation plan, the Greater Sage Grouse Stewardship Act, and applicable administrative rules.

5/7/24
Date

By: Kirby Farner, Corporate HSET Director *K.F.*
Developer or Authorized Representative (Payor)

Date

By: _____
Sage Grouse Habitat Conservation Program (Payee)

Date

By: _____
Department of Natural Resources & Conservation (Payee)

STATE OF MONTANA
SAGE GROUSE STEWARDSHIP ACCOUNT
CONTRIBUTION FORM



Developer's Name Pacific Steel and Recycling
 Address 5 River Dr. S
 City Great Falls State MT Zip 59405
 Phone (406) 727-6222

Date November 16, 2023

Description of Purpose of Funds	Amount
The Program completed a review of the Yellow Band Drilling Project on November 9, 2023. The October 2018 v1 Habitat Quantification Tool Technical Manual and the October 2018 v1 Policy Guidance documents were used to determine the total number of debits associated with this project. The mitigation method that Gold Express Mines, Inc. selected to fulfill the mitigation obligation is to make a payment to the Sage Grouse Stewardship Account, as provided for in MCA 87-5-909.	\$37,664.54

Developer's Signature: *K. Fu*

Date: 5/7/24

COMMENTS FOR SPECIAL INSTRUCTION:
 Funds can be remitted by check or wire.

Check Payments:
Make checks payable to:
 DNRC
 Re: Sage Grouse Stewardship
 P.O. Box 201601
 1539 11th Avenue
 Helena, MT 59601

Wire Instructions:
 Name on Account: State of Montana
 Routing # 092900383 (last digit is a check digit)
 Checking Account # 156041200221
 Bank: US Bank NA MT
 US Bank Contract: Kimberly Spiroff at 406-447-5251
Please include on wire info:
 DNRC 57060, Sage Grouse Stewardship

Sage Grouse Contact: