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605 Grossman Drive • Schofield, WI 54476 • TEL 715.359.4042 • FAX 715.359.4142 • www.integrityge.com

ECIP
Project 1560-31-71
USH 63
Washburn County

Shell Lake, WI

3/20/15



Site Development • Roadways • Environmental Clean-up • Excavation • Snow Removal



AN EQUAL
OPPORTUNITY
FIRM

WS1073 EROSION CONTROL IMPLEMENTATION PLAN (ECIP) WORKSHEET (Rev. 2/15)

Following TRANS 401 of Wisconsin Administrative Code, an ECIP for a project shall be provided to the appropriate WisDOT region office of construction and to the appropriate WDNR liaison as identified in the plan at least 14 days prior to the pre-construction conference, or at a time otherwise agreed upon by WisDOT, WDNR and the prime contractor. The ECIP shall be prepared in a detailed, written and pictorial format that identifies the schedule, timing, and methodology for the contractor's implementation of the project's erosion control plan. See the [ECIP Worksheet Instructions](#) in the Appendix for additional information regarding ECIP contents.

Project ID: 1560-31-71 Highway: USH 63 County: Washburn
Name of Road/Project: Cumberland-Spooner Woodyard Rd. to CTH B East Junction
Type of Work: Grading, asphaltic milling, HMA pavement, culvert pipe, storm sewer
Prime Contractor: Integrity Grading & Excavating, Inc.
Address: 605 Grossman Drive, Schofield, WI 54476
Contact Person: Thor Wick Phone: 715-359-4042
DOT Project Manager: Phillip Keppers Project Leader: _____

A. The following shall complement the WisDOT project erosion control plan.

1. Principal contact of the contractor responsible for installation, maintenance, and removal of erosion control and storm water management measures at the project sites.

Name: Tom Smith Phone: 608-397-8818
Firm: Smith Restoration, Inc.
Address: 939 Emery Street, Stanley, WI 54768

2. A description of the intended timetable and sequence of major land disturbing activities at the project sites.

See attached schedule for exact construction activities and durations.

Stage 1: IGE will begin the project by getting all of the necessary erosion control items in place for constructing the temporary widening through Shell Lake. Once these measures are in place we will be building the temporary widening, we will also be working on the widening of USH 63 south of town. This work will include stripping topsoil, grading, culvert installation, base course placement, asphalt paving, and restoration. Any stockpiles not disturbed in 7 days will be temporarily seeded to prevent erosion. The widening work on USH 63 south of town will take place in two stages (right & left).

Stage 2: Once the traffic is switched in the urban reconstruction area, work will begin on the northbound lanes of USH 63. We will begin with placing erosion controls measure in place. Then removing the pavement and the demolition of the two properties. The work in this phase will include storm sewer, sanitary sewer, water main, grading, base course, asphalt paving, restoration. There will be a combined 2 week closure between the dates of June 8 – June 30 for the utility crossings. These closures will be coordinated with other construction projects. There is a cross culvert pipe at station 709+08 that will be constructed during these closures.

Stage 3: After the lower layers of paving are completed traffic will be switched to the newly constructed northbound lanes. Once traffic is switched, reconstruction of the southbound lanes will happen. Work will start with erosion control, and removing pavement. Work in this stage will consist of storm sewer, sanitary sewer, grading, base course placement, asphalt paving, and restoration.

Stage 4: Construction in this phase includes intersection and median work.

Stage 5: Construction activities include surface asphalt, permanent pavement marking, sign installation, and any remaining restoration/erosion control work.

3. A description of erosion control and storm water management measures to be utilized and a schedule for implementing them, including staging construction and maintenance to limit disturbed areas subject to erosion; timing and use of erosion control mobilizations; method for winter shut-down; and the removal of temporary measures.

Following are the measures that will be utilized in this project. See attached Plan Sheet for locations of Erosion Control.

Silt Fence – Silt fence will be used to intercept and detain small amounts of sediment from disturbed areas during the construction operations. The silt fence will be installed and maintained as shown on drawings to decrease the velocity of sheet flows.

Silt Fence Heavy Duty - Silt fence that is used for extreme slope or load conditions. If needed.

Tracking Pad - The purpose of this standard is to reduce off-site sedimentation by eliminating the tracking of sediment from the site. Tracking pads will be utilized at numerous locations on the site as noted in the plan sheets. If needed.

Temporary Ditch Checks - The purpose of these is to reduce flow velocity and to pond water, thereby reducing active channel erosion and promoting settling of suspended solids behind the ditch check. These shall be utilized as indicated on the plan set to assist in the restoration of the new ditch lines while sufficient vegetation takes place and ditch line stabilized.

Culvert Pipe Checks – The purpose of these (rock bags) is to protect the newly installed culvert pipe from filling with sediment prior to stabilization taking place on the upside of the culvert pipe.

Erosion Mat Urban Class II Type B - The purpose of this mat is to protect the slope from erosion or act as turf reinforcement during and after the establishment of grass or other vegetation on a slope.

Erosion Mat Class I Type B - The purpose of this mat is to protect the channel from erosion or act as turf reinforcement during and after the establishment of grass or other vegetation in a channel.

Erosion Mat Class III Type B - The purpose of this mat is to protect the channel from erosion or act as turf reinforcement during and after the establishment of grass or other vegetation in a channel.

Inlet Protection Type A – The purpose of this practice is to reduce sediment from entering storm drains before stabilizing the contributing drainage area.

Inlet Protection Type B – The purpose of this practice is to reduce sediment from entering storm drains before stabilizing the contributing drainage area.

Inlet Protection Type C – The purpose of this practice is to reduce sediment from entering storm drains before stabilizing the contributing drainage area.

Seeding – Temporary seeding and permanent seeding will be used on the site. Temporary seeding will be used to provide erosion protection for short term storage areas berms and/or for protection of unfinished areas. Permanent seeding will be used for permanent erosion control once areas are graded to grade. If any areas do not establish vegetation prior to winter; areas will be reseeded and paid by contract bid items.

Mulching - Mulching will be applied to the soil surface to protect it from raindrop impact and overland flow. Mulch covers the soil and absorbs the erosive impact of rainfall and reduces the flow velocity of runoff.

Geotextile Fabric Type HR - for subgrade separation and stabilization, drainage filtration, subgrade reinforcement, and under culverts and riprap. This type will be for underneath heavy riprap.

Geotextile Fabric Type R - for subgrade separation and stabilization, drainage filtration, subgrade reinforcement, and under culverts and riprap. This type will be for underneath riprap.

The erosion control mobilizations will be used as follows: Based on the large area of the site, we feel that the 13 mobilizations assigned in the bid will adequately complete the work in a manner to keep disturbed areas covered and protected in a timely manner.

1. Mob #1 – Start of project. Installation of silt fence and any other initial items needed.
2. Mob #2 – Installation of seed, erosion mat, ditch checks, and any additional silt fence if needed.
3. Mob #3 – Installation of seed, erosion mat, ditch checks, and any additional silt fence if needed.
4. Mob #4 - Installation of seed, erosion mat, ditch checks, and any additional silt fence if needed.
5. Mob #5 - Installation of seed, erosion mat, ditch checks, and any additional silt fence if needed.
6. Mob #6 - Installation of seed, erosion mat, ditch checks, and any additional silt fence if needed.
7. Mob # 7- Installation of seed, erosion mat, ditch checks, and any additional silt fence if needed.
8. Mob #8 - Installation of seed, erosion mat, ditch checks, and any additional silt fence if needed.
9. Mob #9 - Installation of seed, erosion mat, ditch checks, and any additional silt fence if needed.
10. Mob #10 - Installation of seed, erosion mat, ditch checks, and any additional silt fence if needed.
11. Mob #11 - Installation of seed, erosion mat, ditch checks, and any additional silt fence if needed.
12. Mob #12- Installation of seed, erosion mat, ditch checks, and any additional silt fence if needed.
13. Mob #12- Installation of seed, erosion mat, ditch checks, and any additional silt fence if needed.
14. Mob #12- Installation of seed, erosion mat, ditch checks, and any additional silt fence if needed.
15. Mob #12- Installation of seed, erosion mat, ditch checks, and any additional silt fence if needed.

** Emergency Mobs will be used in the event of major rain or as directed by engineer **

When grading is complete in areas, topsoil will be placed followed by seed, fertilizer and mulch and other permanent erosion control measures when required. Subgrade slopes that are exposed for an extended amount of time will be temp seeded and additional silt fence placed to protect subgrade and adjoining areas from runoff.

We feel that the proposed erosion control plans will be adequate for the project. If any situations become apparent, corrective actions will be put into place.

Temporary erosion control items will be removed once adequate vegetation has been established by the designated landscaper.

Extra caution will be taken to protect nearby waterways & wetlands from being affected in any way.

4. For each structure on the project identify:
- How any Special Provisions relating to bridge removal will be met? **N/A**
 - The structure removal capture system to be used. **N/A**
 - Dewatering methods and locations. **See attached**
 - Protection around abutments and pier(s). **N/A**
 - Location and protection of stockpile(s). **N/A**
 - How water will be handled (i.e. diversion channel, pumping), include detailed plan. **N/A**
 - Location of staging areas. **N/A**
 - Any changes needed to the 404 permit. **Not at this time**
5. A description of any additions, amendments, deletions or modifications to the projects erosion control plan or any of the contract documents which pertain to erosion control and stormwater management for the project sites.
No amendments at this time.

B. Erosion Control Implementation Plan Requirements - Selected Sites

Project ID: 1560-31-71 Highway: USH 63 County: Washburn
Name of Road/Project: Cumberland-Spooner Woodyard Rd to CTH B East Junction
Type of Work: Grading, asphaltic milling, HME pavement, culvert pipe, signing
Prime Contractor: Integrity Grading & Excavating, Inc.
Address: 605 Grossman Drive, Schofield, WI 54476
Contact Person: Thor Wick Phone: 715-359-4042
DOT Project Manager: Phillip Keppers Project Leader: _____

The ECIP shall also include, at a minimum, a narrative and pictorial description for each of the selected sites, if any, and attendant erosion control and storm water management measures for the selected sites. If the combined area of the project site and all selected sites disturbs 1 or more acres as determined by WisDOT the following information is required for **each** selected site.

If a selected site is used prior to WisDOT approval, it is not covered under the Cooperative Agreement between DOT and DNR and all applicable permits need to be obtained before the selected site can be used.

1. Selected Site Name: Straw Pit
Address: 497 29-1/2 Ave
City/Village/Town: Barronette, WI County: Barron
SW 1/4, NW 1/4, Sec. 1 T36N,
Township Range Section 1/4 Sect. 1/4-1/4 Sect. R14W
Include a location map, i.e. a plat map.

See attached site map

2. Principal contact of the contractor or other person responsible for installation, maintenance, and removal of erosion control and storm water management measures at the selected site.
Name: Craig Antczak Phone: 715-859-7930

Firm: Antczak Construction
Address: 1404 30th Street
Rice Lake, WI 54686

3. Is this a commercial pit? Yes / No If no, continue to #4
If yes, Name of the Straw Pit
pit:
Contact for the Craig Antczak Phone: 715-859-7930
pit:
Include cover sheet of Federal or Wisconsin Stormwater permit displaying the
permit number, CUP number and expiration date.
Will the waste or borrow be in the permitted area? Yes / No
If yes then end of Part B for this selected site. If no then complete remainder of
Part B.

1. Selected Site Name: City of Shell Lake
Address: Ritchie Road
City/Village/Town: Shell Lake County: Washburn
NE 1/4, NW 1/4, Sec 25 T38N
Township Range Section 1/4 Sect. 1/4-1/4 Sect. R13W
Include a location map, i.e. a plat map.

See attached site map

2. Principal contact of the contractor or other person responsible for installation,
maintenance, and removal of erosion control and storm water management
measures at the selected site.
Name: Tom Smith Phone: 608-397-8818
Firm: Smith Restoration Inc.
Address: 939 Emery Street
Stanley, WI 54768

3. Is this a commercial pit? Yes / No If no, continue to #4
If yes, Name of the N/A
pit:
Contact for the N/A Phone: _____
pit:
Include cover sheet of Federal or Wisconsin Stormwater permit displaying the
permit number, CUP number and expiration date.
Will the waste or borrow be in the permitted area? Yes / No
If yes then end of Part B for this selected site. If no then complete remainder of
Part B.

4. Have applicable permits been obtained? Yes / No

5. Is the selected site on tribal land? Yes / No

6. Has the Archaeological Review (Form DT1919) been sent to BEES? **Yes** / No
What was the Bureau recommendation? _____ Have not received response yet
_____ Survey Recommended _____ High Potential X OK to Proceed
7. Construction activity dates at the selected site: Start: April 2015
Complete: August 2015
8. A narrative description of the selected site as it exists before construction, the nature of the activities to be performed at the site including approximate quantity of waste/borrow material, and land use anticipated after restoration to the site.
- The property is currently a waste/dump site for the City of Shell Lake. IGE will haul in excess material from the above mentioned project and place it in a stockpile. The site will continue to be utilized as a city dump site after the construction project.
9. A description of the intended sequence of major land disturbing activities at the selected site.
- Site will be prepped for building a waste stockpile.
10. Estimated total area of selected site: 6 Acres Total disturbed area: 6 Acres
11. Immediate receiving waters: _____
(Attach FEMA Floodplain maps)
12. Runoff coefficients at the selected site. (Attach the Runoff Coefficient Table)
Supply the following estimates: Site slope before construction: 2% After: 2%
13. Site map(s) including: (See Trans 401.08(2)(b)(11) for details).
- a. Boundaries of the site and areas of soil disturbance.
 - b. Existing topography and drainage patterns, roads and surface waters.
 - c. Drainage patterns and approximate slopes anticipated after major grading activities.
 - d. Location of major structural and non-structural erosion control and stormwater management practices.
 - e. Location of areas where stabilization will be employed, including but not limited to vegetation, following construction or maintenance activities.
 - f. Area and extent of wetland acreage on the site, whether disturbed or not.
 - g. Locations where storm water is discharged to a surface water or wetland.
 - h. Location of any internal haul roads.
- (Recommend using USGS maps, Orthophotos, SCS Soils maps, or equivalent.)
- See attached site map.
14. A description of appropriate erosion control and storm water management measures that will be employed at the selected site to prevent sediments and pollutants from reaching waters of the state, including wetlands. The plan shall clearly describe the appropriate best management practice for each major activity identified and the timing during the construction process that the measures will be implemented. The description of best management practices shall include:
- a. Description of permanent or temporary erosion control and storm water management

- measures. Plans shall ensure the preservation of existing vegetation where practical.
- b. Description of structural practices to divert runoff away from exposed soils, to store flows or to otherwise limit runoff and the discharge of pollutants from the site.
 - c. Management of overland flow at the site.
 - d. Trapping of sediment in channelized flow.
 - e. Staging construction to limit bare areas subject to erosion.
 - f. Protection of downslope drainage inlets where they occur.
 - g. Minimization of tracking at the site.
 - h. Clean up of off-site sediment deposits.
 - i. Proper disposal of building and waste material at the site.
 - j. Stabilization of drainage ways.
 - k. Installation of permanent stabilization practices as soon as possible after final grading.
 - l. Minimization of dust to the maximum extent practical.
 - m. Stabilization of the disturbed portions of the site.

Erosion control measures will be put in place to ensure that erosion and site runoff are all controlled. Silt fence will be used to encompass the stockpile to keep any runoff from leaving the site. Haul roads will be maintained with base course to ensure the tracking of dirt is kept to a minimum. If needed ditch checks will be placed in areas of concern. Temp seeding will be utilized on piles if needed

15. A description of the procedures to maintain vegetation, best management practices and other protective measures, in good and effective operating condition. If the selected site will remain open for more than 2 weeks without construction activities (i.e. over-winter), how will the site be stabilized and how often will it be inspected?

If needed temporary seeding will be used to stabilize the stockpiles.

C. Amendments

The contractor shall follow the procedure outlined in Trans 401.08(3) for all amendments.

The ECIP shall be amended when there is a change in design, construction, operation or maintenance at a project or selected site that has the reasonable potential for a discharge to waters of the state and that has not been addressed in the ECIP; or when the best management practices required by the plan fail to reduce adverse impacts to waters of the state caused by a discharge.

Amendments are subject to the written approval of the Department of Transportation after consultation with the DNR.

No amendments at this time

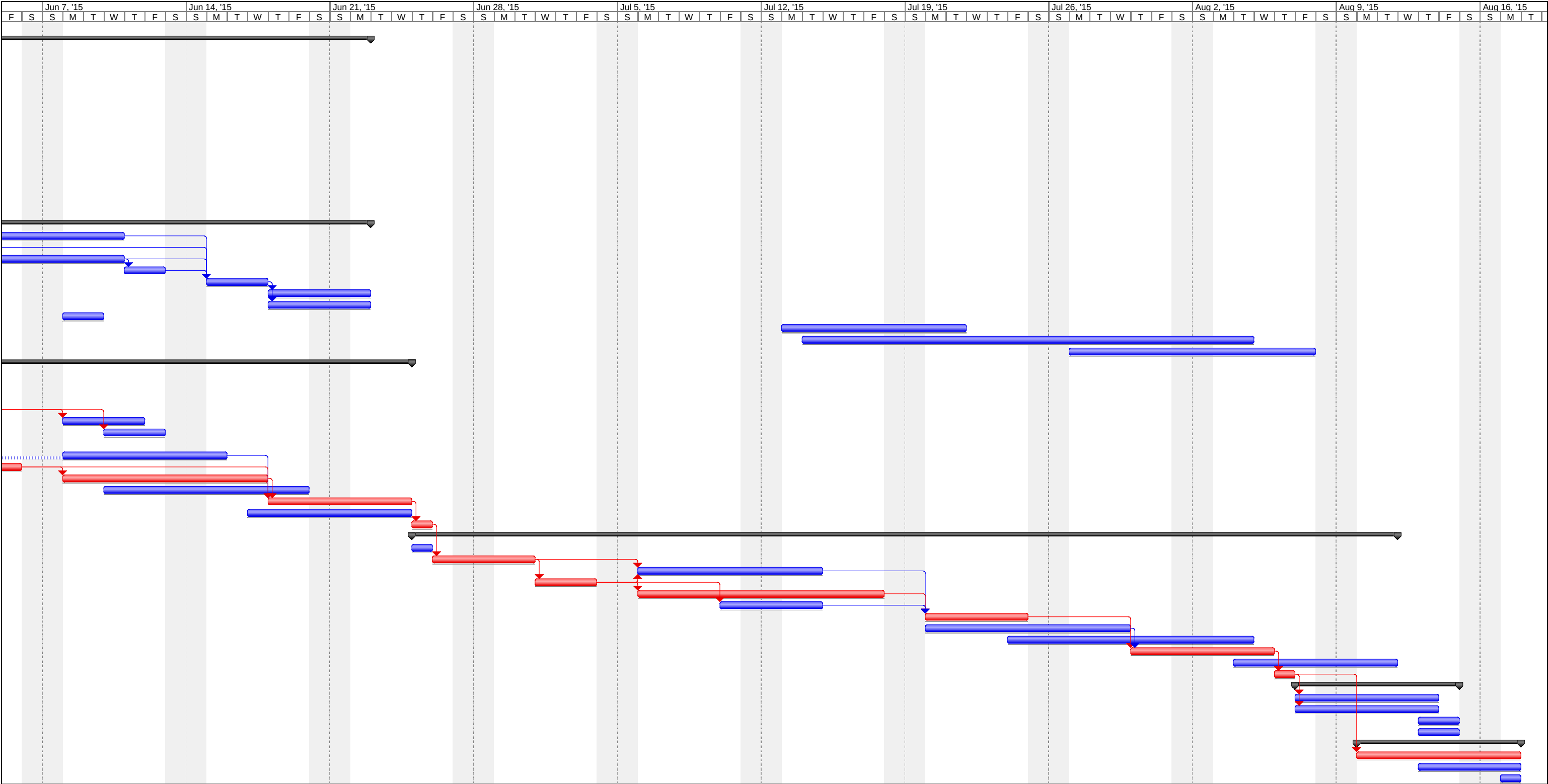
Please label all attachments with the corresponding Section number (i.e., Attachment B10)

Attachment A – Project Schedule

Attachment B – Select Site Straw Pit (permit & site map)

Attachment C – Select Site City Shell Lake

Attachment D – Erosion Control Plan Sheets
Attachment E – Dewatering Detail



State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
Baldwin Service Center
890 Spruce Street
Baldwin, WI 54002

Scott Walker, Governor
Cathy Stepp, Secretary
Dan Baumann, Regional Director
Telephone (715) 684-2914
FAX (715) 684-5940
TDD () -



March 30, 2015

Donald Antczak
Antczak Construction Inc
1404 30th Street
Rice Lake WI 54868

Subject: Wisconsin Pollutant Discharge Elimination System (WPDES) Storm Water Tier 2 General Permit Coverage

Facility: Antczak Construction Inc
Location: 504 291/2 Ave, BARRON, WI
FIN: 52758

Dear Permittee:

Pollutants carried in storm water runoff from industrial sites threaten or degrade water quality in many areas of the state. Because of this problem, state and federal laws require that certain dischargers of industrial storm water have a WPDES discharge permit. The purpose of a storm water discharge permit is to identify conditions under which industrial storm water can be discharged so that water quality of surface waters, wetlands, and groundwater will be protected.

The Department of Natural Resources (Department) has evaluated the permit application you submitted for the above site and has determined that, on an interim basis, your **storm water** discharges will be regulated in accordance with the WPDES Storm Water Tier 2 General Permit No. WI-S067857-03 ("general permit"). Please be advised that when an industry specific nonmetallic mining (NMM) operations general permit appropriate for your facility is issued, the Department will automatically convert your permit coverage under that permit or consider covering your NMM mining operation under an individual permit. At that time, you will be notified by the Department of its decision. Until that time, storm water discharges at your facility must be in compliance with the terms and conditions of the general permit.

Please be aware that wastewater discharges such as washwater, process wastewater, dewatering wastewater, and other similar wastewaters are not authorized by this general permit. If your facility will discharge wastewater, you will need to obtain a separate wastewater discharge permit for that discharge.

The **Effective Date (Start Date)** for coverage under the general permit is March 30th, 2015. Your schedule for meeting many of the requirements under the general permit is based on this **Effective Date (Start Date)**.

STORM WATER CONTROL REQUIREMENTS (This is not a complete list of requirements)

- NMM operations that have storm water contact with overburden, raw material, intermediate product, finished product or waste material shall be operated in compliance with a Storm Water Pollution Prevention Plan (SWPPP) as detailed in the general permit.

- NMM operations shall comply with the SWPPP requirements of the general permit and shall submit a SWPPP summary to the Department prior to initiating NMM operations.
- By February 15th of each year, the permittee shall perform an annual check of the NMM operation for discharges to listed impaired waters or to waterbodies for which there is an approved Total Maximum Daily Load (TMDL). If the discharge is to a listed impaired water or to a waterbody with an approved TMDL, the permittee shall update the SWPPP as appropriate.
- The permittee shall perform and document the results of an Annual Facility Site Compliance Inspection (AFSCI). The annual inspection shall be adequate to verify that the site drainage conditions and potential pollution sources identified in the SWPPP remain accurate, and that the best management practices prescribed in the SWPPP are being implemented, properly operated and adequately maintained.
- The permittee is responsible for notifying the Department should conditions at this site change that could affect the general permit requirements.

The general permit can be accessed from the Department's internet site at: <http://dnr.wi.gov/topic/stormwater/industrial/forms.html>. The general permit limitations, conditions, and requirements are designed to ensure that storm water discharges from NMM operations do not degrade the quality of Wisconsin's surface waters, wetlands, and groundwater. It is important that you read and understand the general permit because it is enforceable under both state and federal law.

The AFSCI report form and other forms can be accessed from the Department's internet site at: <http://dnr.wi.gov/topic/stormwater/industrial/forms.html>.

Additional information regarding the Department's legal authority and your rights of appeal are provided below. If you have any questions regarding the general permit, please contact me at 715-684-2914 ext 139. We appreciate your help in protecting Wisconsin's water resources.

Sincerely,



Erik Henningsgard, P.E.
Storm Water Engineer
West Central Region

LEGAL AUTHORITIES AND APPEAL RIGHTS

Section 283.35, Stats., authorizes the Department to issue a general permit for discharges from categories or classes of point sources. The Department may withdraw a facility from coverage under a general permit if it is determined that a discharge is a significant contributor of pollutants to waters of Wisconsin, if the source is not in compliance with the permit terms and conditions, if you request it, or in certain other cases set out in s. 283.35, Stats. In lieu of general permit withdrawal, the Department may refer any violation of this permit to the Department of Justice for enforcement under s. 283.89, Stats. In order to remain in compliance and avoid any enforcement action, **please read your permit carefully.**

If you believe coverage of this facility under WPDES Permit No. WI- S067857-03 is not appropriate, you may petition the Department for withdrawal of coverage and, where appropriate, apply for issuance of an individual WPDES permit pursuant to s. 283.35(2), Stats. Issuance of such an individual permit will provide for a public comment period, and potentially a public informational hearing and/or an adjudicatory hearing.

Alternatively, you may request judicial or administrative review of the Department's decision to cover your discharge under the enclosed general permit. Either request must be submitted no later than 30 days after this letter was mailed. To request judicial review of this decision pursuant to ss. 227.52 and 227.53, Stats., a petition naming the Department of Natural Resources as respondent must be filed with the appropriate circuit court and served on the Department. To request a contested case hearing on this decision pursuant to s. 227.42, Stats., a petition for hearing must be served on the Secretary of the Department of Natural Resources. This notice is provided pursuant to s. 227.48(2), Stats.

BARRON COUNTY ZONING ADMINISTRATOR

PAUL A. FLOTTUM
COURTHOUSE-AGRICULTURE BUILDING
BARRON, WI 54812
(715) 537-6375

September 20, 1999

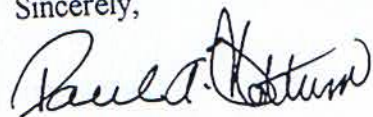
Mr. Edwin Straw
556 - 29 1/2 Ave.
Barronett, WI 54813

Dear Mr. Straw:

Upon recommendation by the Zoning Committee and upon approval of this recommendation by the Barron County Board of Supervisors, your request to rezone the SW 1/4 of the NW 1/4, consisting of 40 acres, located in Section 1, T36N, R14W, town of Maple Plain, was approved on September 20, 1999.

The parcel is rezoned from an Agricultural-1 district to an Agricultural-2 district.

Sincerely,



Paul A. Flottum
Zoning Administrator

PAF:pjs

cc: Don Antczak, Antczak Construction
Jeanie Jenkins, Clerk
Robert Jerry, Dist. Superv.

2014 NONMETALLIC MINING PERMIT/FEE ASSESSMENT

Barron County Land Services
Zoning Dept. and Soil & Water Conservation Dept.
Barron County Government Center
335 E. Monroe Ave. - Rm. 2104
Barron, Wisconsin 54812

Pit # 43

Amount Rec. _____ / _____
County State

PLEASE COMPLETE ALL INFORMATION ON THIS APPLICATION. PRINT OR TYPE. Use of this form is required for any nonmetallic mining reclamation permit application filed pursuant to s. NR 135.18(1), Wis. Adm. Code. The County of Barron will not consider your application unless you complete and submit all information required by this application form. This application must be received by the Zoning Office no later than January 31, 2014.

1. Applicant/Operator

Glacier Rock Supply, Inc.
1404 - 30th St.
Rice Lake, WI 54868

Telephone No. 715-859-2930

2. Property Owners/Lessors (if different from Applicant/Operator)

D. Antczak, LLC (Prev. Straw Pit)

3. Property Description:

SW ¼, NW ¼, Section 1, T36N, R14W, Town of Maple Plain

Tax Parcel Number: 030-0100-09-000

Total Site Acreage: 32

4. General Location Map - Please attach the aerial map that was provided.

NOTE:

1. Identify areas that have been certified reclaimed by the Barron County Soil and Water Conservation Department.
2. Identify area for which this permit application is submitted. Fees are based on unreclaimed acres, rounded to the nearest whole acre.
3. Barron County Department of Land Services has the right to inspect as per Section 31 of the Barron County Non-Metallic Mining Ordinance. Inspection of property will include the use of available data and technologies deemed necessary to obtain accurate site information.

5. Fees:

Estimate number of unreclaimed acres as of December 31, 2013.
(See attached aerial map)

13.4 (line 1)

Estimate number of new acres that will be open between
January 1, 2014 and December 31, 2014.

+ 0 (line 2)

Total estimated unreclaimed acres (Add lines 1 & 2)

= 13.4 (line 3)

Annual County Fee (see chart below)

= \$525 - (line 4)

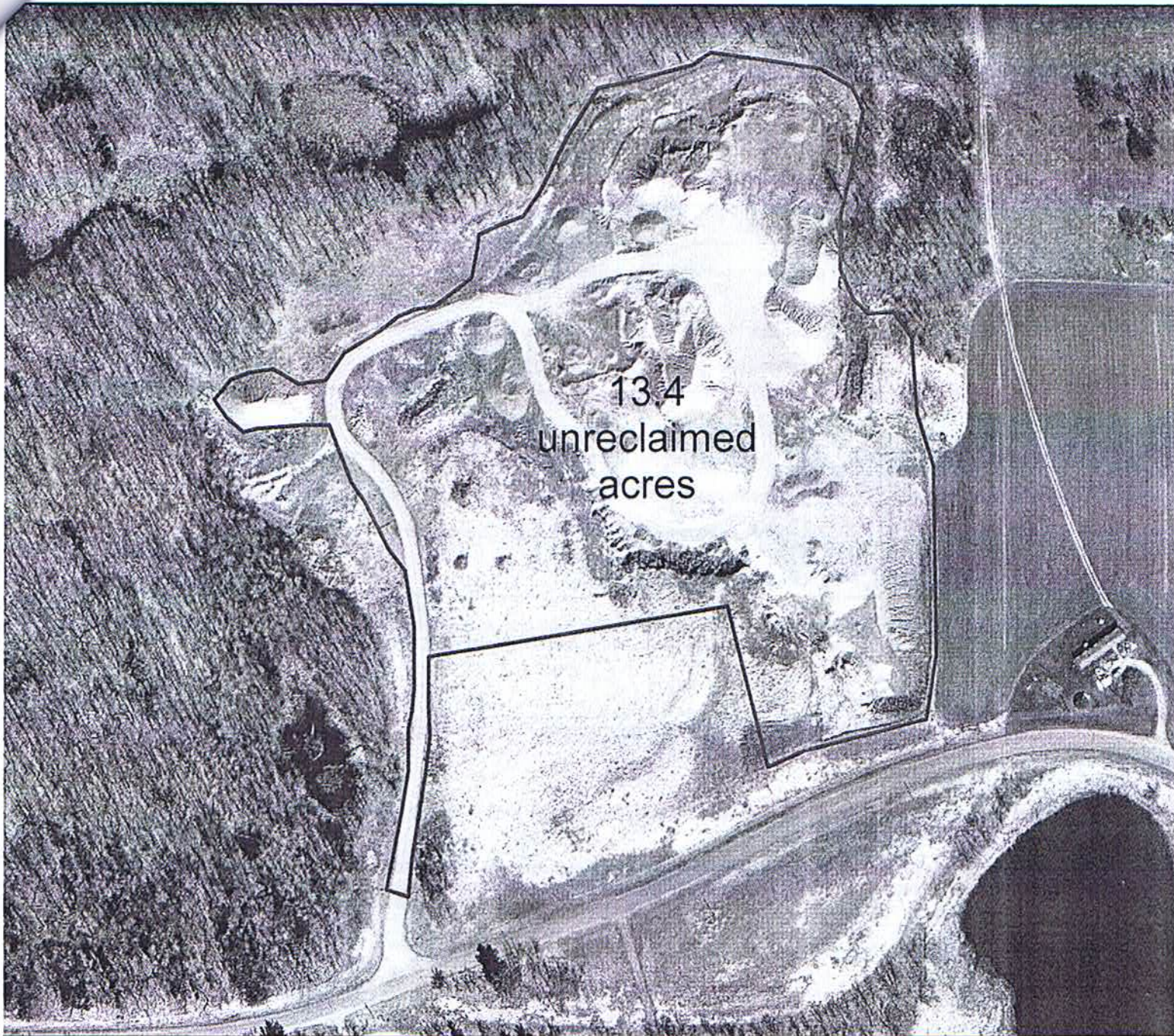
Annual DNR Fee (see chart below)

+ \$105 - (line 5)

Total Fee for 2014

= \$630 - (line 6)

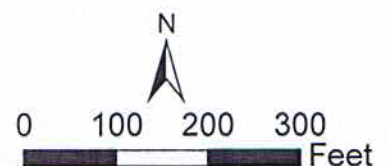
Antczak Construction - Straw
Town of Maple Plain - Section 1
Acreage Map for 2014 Nonmetallic Mining Permit



☒ I agree with the acreage on the above map.

This acreage, rounded to the nearest whole, shall be used as the total unreclaimed acres (part 5, line 1) of the permit/fee assessment form.

☒ I do NOT agree with the acreage on the above map.
If you do not agree, contact Brad Robole at (715) 537-6247.



April 2012 orthophoto

Don Antczak

Operator signature

1/4/14

Date

2014 NONMETALLIC MINING ANNUAL REPORT BARRON COUNTY

DUE: January 31, 2014

1. Applicant/Operator <u>Gilmer Rock Supply, Inc.</u> Address <u>1404 - 30th Street</u> City, State, Zip Code <u>Rice Lake WI 54868</u> Telephone No. (Inc. area code) <u>715-859-2930</u>	2. Property Owners (If different from Applicant/Operator) <u>Antczak / Straw Pit</u> Address _____ City, State, Zip Code _____ Telephone No. (Inc. area code) _____
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3. Property Description: Provide the complete legal description of the property on which the mine is located (example: N 1/4, NE 1/4, Section 3, T29N, R10W)

SW 1/4, NW 1/4, Section 1, T 36 N, R 14 W, town of Maple Plain
Tax parcel Number 030 - 0100 - 09 - 000 Total site acreage 32

4. Pit # 43
5. Acreage currently affected by nonmetallic mining extraction and not yet reclaimed 13.4
6. The amount of acreage that has been reclaimed, both permanently and intermittently: 0
7. Attached a map or diagram accurately showing the acreage described in #5 and #6.

I certify that this information is true and accurate, and that the nonmetallic mining site described herein complies with all conditions of the applicable nonmetallic mining reclamation permit and Chapter NR 135, Wisconsin Administrative Code.

Jon Antczak
Applicant/Operator Signature

1/4/14
Date Signed

Note: This annual report shall cover activities for a calendar year and be submitted within 90 days following the end of the year.

When reporting may end: Annual reports shall be submitted by an operator for all active and intermittent mining sites to Barron County for each calendar year until nonmetallic mining reclamation at the site is certified as complete pursuant to sub. 29.30 or at the time of release of financial assurance pursuant to sub. 14.10(7).

Barron County Soil & Water Conservation Department

AGRICULTURE SERVICE CENTER

Courthouse

Barron, Wisconsin 54812

715-537-6315

May 20, 2002

Paul Flottum, Zoning Administrator
Zoning Office
Agriculture Center, Courthouse
Barron, Wisconsin 54812

Dear Paul:

This letter is to inform you that Antczak Construction, Inc. has developed a reclamation plan for the Straw Pit located in section 1 of Maple Plain Township. This site has not been previously mined. This plan meets the requirements of NR135 and the plan standards of section 13 of the county zoning ordinance. This is a long-term pit and reclamation will be done periodically.

This site should not create groundwater or surface water pollution if the operators follow the best management practices outlined in the reclamation plan.

Sincerely,

FOUNDATION OF THE NATION

Peter DeJardin,
Conservation Technician

→ Cc: Antczak Construction, Inc.

PD/krc

**MAN, despite his artistic pretensions, his sophistication, and his many accomplishments;
still owes his existence to a six-inch layer of topsoil and the fact that it rains.**

Author Unknown

RECLAMATION PLAN

NAME: Antczak Construction, Inc.

ADDRESS: 30th Street, Rice Lake, WI 54868

PHONE NUMBER: 715 859-2930

SITE LOCATION: Straw Pit - 504 29 $\frac{1}{2}$ Avenue - Maple Plain Township

TOTAL AREA OF MINE: 32 acres

PLAN REQUIREMENTS Section 13.00 Barron County Non-Metallic Mining Reclamation Ordinance (NMMRO).

1. Maps of the non-metallic mining site including the general location, property boundaries, the area, extent, geologic composition and depth of the non-metallic mineral deposit, the distribution, thickness and type of topsoil, the approximate elevation of ground water, the location of surface waters and the existing drainage patterns. (NMMRO Section 13.10(2(a))).

Map of site: See attached sheet labeled 1.

Map of geologic composition and depth: See attached sheet labeled 2a, 2b.

Distribution of topsoil: In most cultivated areas on the crest of hills and side slopes, water erosion has removed some of original surface layer.

Thickness and type of topsoil: Dark brown silt loam about 8" thick

Approximate elevation of groundwater: 1295'

Location of surface waters and existing drainage patterns: See attached sheet labeled 3.

2. Information available to the mine operator on biological resources, plant communities, and wildlife use at and adjacent to the proposed or operating mine site. (NMMRO section 13(2(b))).

Do a site analysis of plant communities and wildlife in and around mine site. Make sure to determine whether or not threatened or endangered species inhabit the site.

2/3rds of this 40 acre parcel is open farm land. The fields are seeded down with clover, alfalfa and grass mix. Some wooded areas along the north and west property lines. The north east corner has a low area where water is contained. Water fowl and native wildlife frequent the area. No threatened endangered species inhabit the site.

3. Existing topography as shown on contour maps of the site at five feet, unless the Barron County Land and Water Resources Department requests greater detail or requirements of a Conditional Use Permit. (NMMRO section 13(2(c))).

Map of site: See attached sheet labeled 4, 4B

4. Location of manmade features on or near the site. (NMMRO section 13(2(d))).

Show the location of buildings, towers, manmade berms, etc. on a plan view drawing.

Map of site: See attached sheet labeled 5.

5. For existing mines, a plan view drawing showing the location and extent of land previously affected by non-metallic mining, including the location of stockpiles, wash ponds and sediment basins. (NMMRO section 13(2(e))).

Show all erosion control practices on site map.

Map of site: See attached sheet labeled 3.

6. The reclamation plan shall specify a proposed post-mining land use for the non-metallic mine site. The proposed post-mining land use shall be consistent with local land use plans and local zoning at the time the plan is submitted, unless a change to the land use plan or zoning is proposed. The proposed post-mining land use shall also be consistent with all applicable local, state, or federal laws in effect at the time the plan is submitted. (NMMRO section 13(3(a))).

Proposed post-mining land use for the non-metallic mine site must take into account current land use and land use needs at the time mining is completed.

Survey the surrounding area to determine what is the foreseeable land use for the area.

This pit will be planted in Red Pine for recreational hunting & ^{Forestry use.}

Pit operations will continue in the north 1/3rd of the pit area and proceed in phases to the south. As phase II begins, phase I will be reclaimed. As the pit progresses south, reclamation will continue on in the north portions. Operation in phase I will be approximately 5-10yrs. depending on sales of materials and types needed. Drainage will be to the north east to sediment basin area where it will be contained not to leave the pit perimeter.

Final grades 3:1 or less will be seeded. The remainder of reclamation will be done after all of phase I is completed. A variety of clovers will be used to seed all slopes and pit areas. see item#6 narrative.

7. Land used for non-metallic mineral extraction in areas zoned under an exclusive agricultural use ordinance pursuant to s. 91.75, Stats., shall be restored to agricultural use. (NMMRO section 13(3(b))).

Check the deed and with the governing township to determine if the property is zoned under exclusive agriculture or in the Farmland Preservation Program.

Zoned Exclusive Agriculture (circle one):

YES

NO

Farmland Preservation Program (circle one):

YES

NO

8. A description of the proposed earthwork and reclamation, including final slope angles, high wall reduction, benching, terracing and other structural slope stabilization measures. (NMMRO section 13(4(a))).

Final reclaimed slopes covered by topsoil or topsoil substitute material may not be steeper than a 3:1 horizontal to vertical incline unless alternative requirements are approved under s. 18 (NMMRO), and stable slopes can be demonstrated based on site-specific engineering analysis. (NMMRO 11(5(b))).

As pit operations proceed south, over burden or sub-soil may be used to fill out the high wall slopes sto 3:1. Topsoil will be stock piled during stripping operations and then used for slopes and the pit bottom.

ITEM #6 NARRATIVE (CONTINUED)

The clover will be seeded at a rate of 15#/acre. The Forestry Dept. recommended planting Red Pine @ 900 trees/acre with a winter wheat or rye cover crop on the pit bottom.

Slopes will be mulched and erosion bales installed in problem areas.

9. The methods of topsoil or topsoil substitute material removal, storage, stabilization and conservation that will be used during reclamation. (NMMRO section 13 (4(b))).

Describe where topsoil and subsoil will be stripped, placed, and stabilized.

Describe erosion control practices that will be used while soils are not stable.

The Wisconsin Construction Site Handbook is recommended for determining adequate erosion control practices for the site.

Topsoil will be stripped and stockpiled on the outer edges of the pit operations.

Topsoil piles will be shaped and seeded to prevent erosion.

Contours and berms will be built to route storm water around topsoil stockpiles. Subsoil and overburden will be stockpiled adjacent to and along side the topsoil. As new areas are opened or stripped to the south, some overburden may be pushed north to fill the 3:1 slopes to reduce side walls for ongoing reclamation. Some overburden will be used for fill in the valley along the south edge of the pit just north of the Town Rd. This area is within 500' of the lake and will not be mined.

The area will not be filled higher than the present berm on the south end of the valley.

Stock piles will be seeded with oats or winter rye@ a rate of 50#/acre.

10. A plan or map which shows anticipated topography of the reclaimed site and any water impoundments or artificial lakes needed to support the anticipated future land use of the site. (NMMRO section 13(4(c))).

Map of site: See attached sheet labeled 6.

11. A plan or map which shows surface structures, roads and related facilities after the cessation of mining. (NMMRO section 13(4(d))).

Map of site: See attached sheet labeled 7.

12. The estimated cost of reclamation for each stage of the project or the entire site if reclamation staging is not planned. (NMMRO section 13(4(e))).

YEAR	Number of Acres	Per Acre Cost of Reclamation	Total Cost per year
2004	3	\$1200 - no trees	\$3600
2010	5	\$2100 incl. trees	\$6000 + \$7200
2020	10	\$1400 + \$1050	\$14000 + \$10500
2030	10	\$1600 + \$1200	\$16000 + \$12000

Total: \$ 69,300

13. A revegetation plan shall include timing and methods of seed bed preparation, rates and kinds of soil amendments, seed application timing, methods and rates, mulching, netting and any other techniques needed to accomplish soil and slope stabilization. (NMMRO section 13(4(f))).

Revegetation using a variety of plants indigenous (native) to the area is favored. (NMMRO 11(8(e))).

The NRCS, Critical Area Planting Standard (Std. 342) is recommended for depth of topsoil, seedbed preparation, methods and rates.

The NRCS, Mulching Standard (Std. 484) is recommended for mulching.

Push overburden and subsoil along high walls to produce 3:1 slope. Using heavy equipment such as dozers, off road trucks, and scrapers. Use smaller dozers to shape and prep seed bed after at least 4" of topsoil is applied. Seed with a nurse crop of winter rye or oats at 50#/acre. Seed a cover crop of clover at 2#/1000 sq. ft. The area will then be seeded with red pine trees at the rate of 900 trees per acre, as per the recommendation of the Barron County Forestry Department.

The spacing of 6' X 8' using 2 yr old seedlings as per the Dept.

14. Quantifiable standards for revegetation adequate to show that a sustainable stand of vegetation has been established which will support the approved post-mining land use. Standards for revegetation may be based on the percent vegetative cover, productivity, plant density, diversity, or other applicable measures. (NMMRO section 13(4(g))).

Percent vegetative cover, productivity, plant density, diversity, or other applicable measures should be based on preventing erosion.

Seeded areas will be monitored for successful growth to prevent erosion. Any areas showing root growth failure, deterioration, bare or thin spots, and eroded areas will be re-planted.

Excelsior erosion bales or other best management practices will be applied to these problem areas.

A success rate of 95% will be used as the standard for revegetation. The Red Pine seedlings will be monitored for 2 years, the first year the seedlings that fail will be replaced. The 2nd year a 95% success standard will be used. If needed, replanting will be continued. The Dept. of Forestry recommends not to replace seedlings after the 2nd year unless fire or drought, then reseeding is recommended.

15. A plan and a narrative showing erosion control measures to be employed during reclamation activities. These shall address how reclamation activities will be conducted to minimize erosion and pollution of surface and groundwater. (NMMRO section 13(4(h))).

The Wisconsin Construction Site Handbook is recommended for determining adequate erosion control practices for the site.

Map of site: See attached sheet labeled 7.

During reclamation, surface water will be routed around potential erosion contours or berms. Slopes will be seeded with a nurse crop and mulched to get established as soon as possible. Storm water will be drained to the north east corner of the property to a sediment basin where it will be contained not to leave the property. This area is intended to be a future water impoundment and wetland area.

The seeding will be as close to the low area as possible. This area will be left low to act as a sediment basin but not be built as a pond. The area is meant to be an extension of the wetland north of the North east corner of the pit property.

16. A description of any areas which will be reclaimed on an interim basis sufficient to qualify for the waiver of fees, Wisconsin Administrative Code, and release of financial assurance and which will be subsequently disturbed prior to final reclamation. Descriptions shall include an identification of the proposed areas involved, methods of reclamation to comply with the standards in Part II and timing of interim and final reclamation, as authorized by s. NR 135.41(12), Wisc. (NMMRO section 13(4(i))).
A map can be used to show location.

As production proceeds south into phase II, the north and east sides of the property will be reclaimed. The wetland area in the northeast corner, and the back slope along the north property line will be shaped. The north 1/3 of the property will be reclaimed as phase I mining is finished. Contours, berms, and waterways will be established with vegetation around the water impoundment and wetland area. Then seeding and tree planting will proceed south. All drainage will be to the north and as mining is completed, the south area of the property will be shaped and seeded.

17. A plan, and if necessary, a narrative showing Best Management Practices to be employed before and during non-metallic mine operation. These shall address how to minimize erosion and pollution of the surface and groundwater resources. (NMMRO section 13(4(j))).

Recommend using the Wisconsin Construction Site Handbook for determining adequate erosion control practices for the site.

A map can be used to show location.

Berms and contours will route storm water around stockpiles and mining operations. All water will stay on site and then enter the north east corner wetland, impoundment area.

Quarterly inspections in accordance with the DNR SWPPPs will be conducted. Best Management Practices that are included in this program such as storm water run off will be implemented.

Employees are trained to perform maintenance and fueling operations in a manner to eliminate spills. Personnel is trained not to "over grease" to allow grease build-up on equipment. All equipment hydraulic systems are inspected daily for wear on hoses and fitting to reduce hydraulic leaks.

See SWPPP Plan

18. The reclamation plan shall contain criteria for assuring successful reclamation in accordance with s. 11 (8). (NMMRO section 13(5)).
Performance standards are based on protecting against erosion, protecting groundwater and surface water.

Best Management Practices will be utilized for assuring the success of this reclamation plan. The slopes will be monitored for erosion and in areas with poor seeding success will be reseeded to slow runoff and keep surface water as clean as possible. If any problem areas are found, we will install erosion bales to slow runoff. Quarterly SWPPP inspections will be implemented to aid in assuring the success of the Reclamaion Plan.

19. The operator shall provide a signed certification that reclamation will be carried out in accordance with the reclamation plan. The operator shall also certify that the Best Management Practices are installed and maintained. The landowner and lessee, if different from the operator, shall also provide signed certification that they concur with the reclamation plan and will allow its implementation. In the following situations, the landowner and lessee, if different from the mine operator, are not required to submit a written certification. The operator shall provide written evidence that the landowner and lessee, if different from the operator, have been provided with a written copy of the reclamation plan, and that:
- The mine operator has submitted a reclamation plan for an existing mine in accordance with Barron County Non-Metallic Mining Reclamation Ordinance section 12.20, or
 - The operator has submitted a reclamation plan for a new or reopened mine in accordance See Barron County Non-Metallic Mining Reclamation Ordinance section 12.30 which is located on land for which a lease agreement or memorandum of lease between the landowner and applicant was recorded prior to August 1st, 2001. (NMMRO 13(6)).

- I, Don Antezak, (operator) certify that reclamation will be carried out in accordance with the reclamation plan and that the Best Management Practices are installed and maintained.

Don Antezak
Operator's Signature

4/3/02
Date

- I, Don Antezak, (landowner) certify that I have received a copy of the reclamation plan, read it and understand it. I further certify that I concur with the reclamation plan and will allow its implementation.

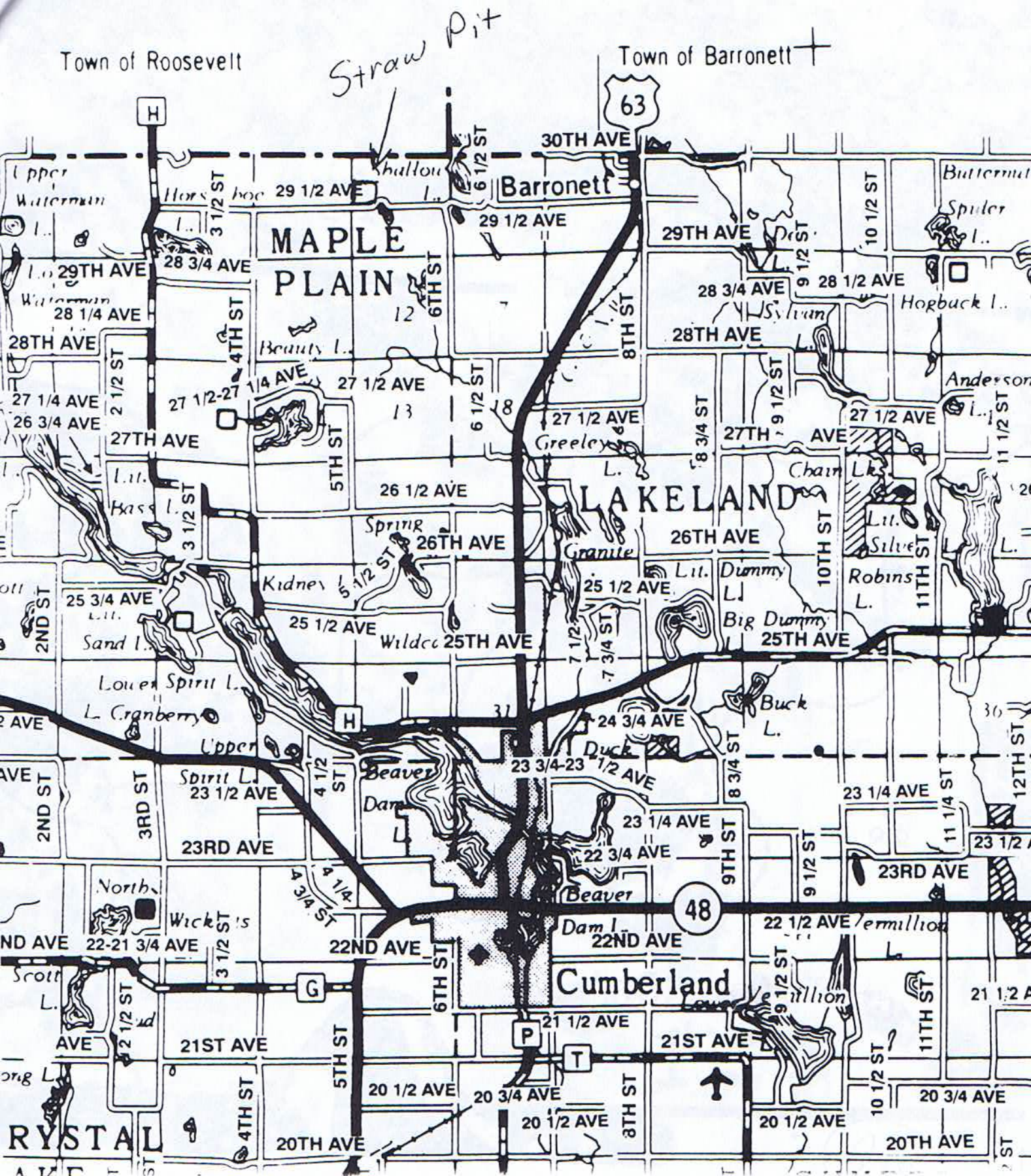
Don Antezak
Landowner Signature

4/3/02
Date

Landowner Signature

Date

WASHBURN CO.



2a

BURNETT

COUNTY

AID

CSC

CID

AnC2

1



2a

2b

SOIL DESCRIPTION

AnC2- Anigon silt loam 6' to 12% slopes, eroded

Surface: dark brown silt loam about 5" thick

Subsurface: 10" thick brown, dark yellowish brown, and dark brown silt loam

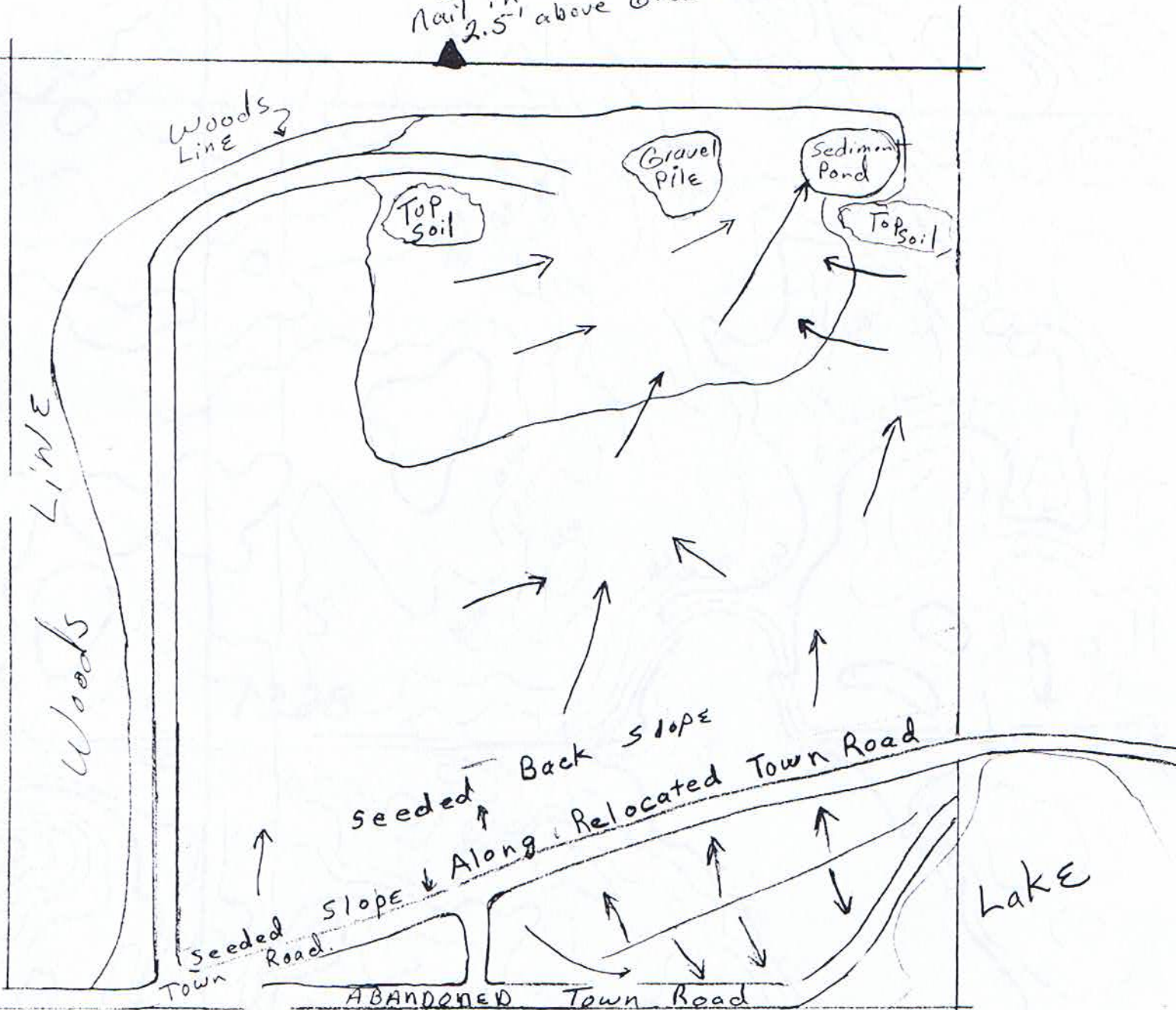
Subsoil: 16" thick, dark brown friable silt loam in the upper part, strong brown, friable sandy loam in the lower part

Substratum: to 60" or more, yellowish brown, stratified gravelly sand and sand

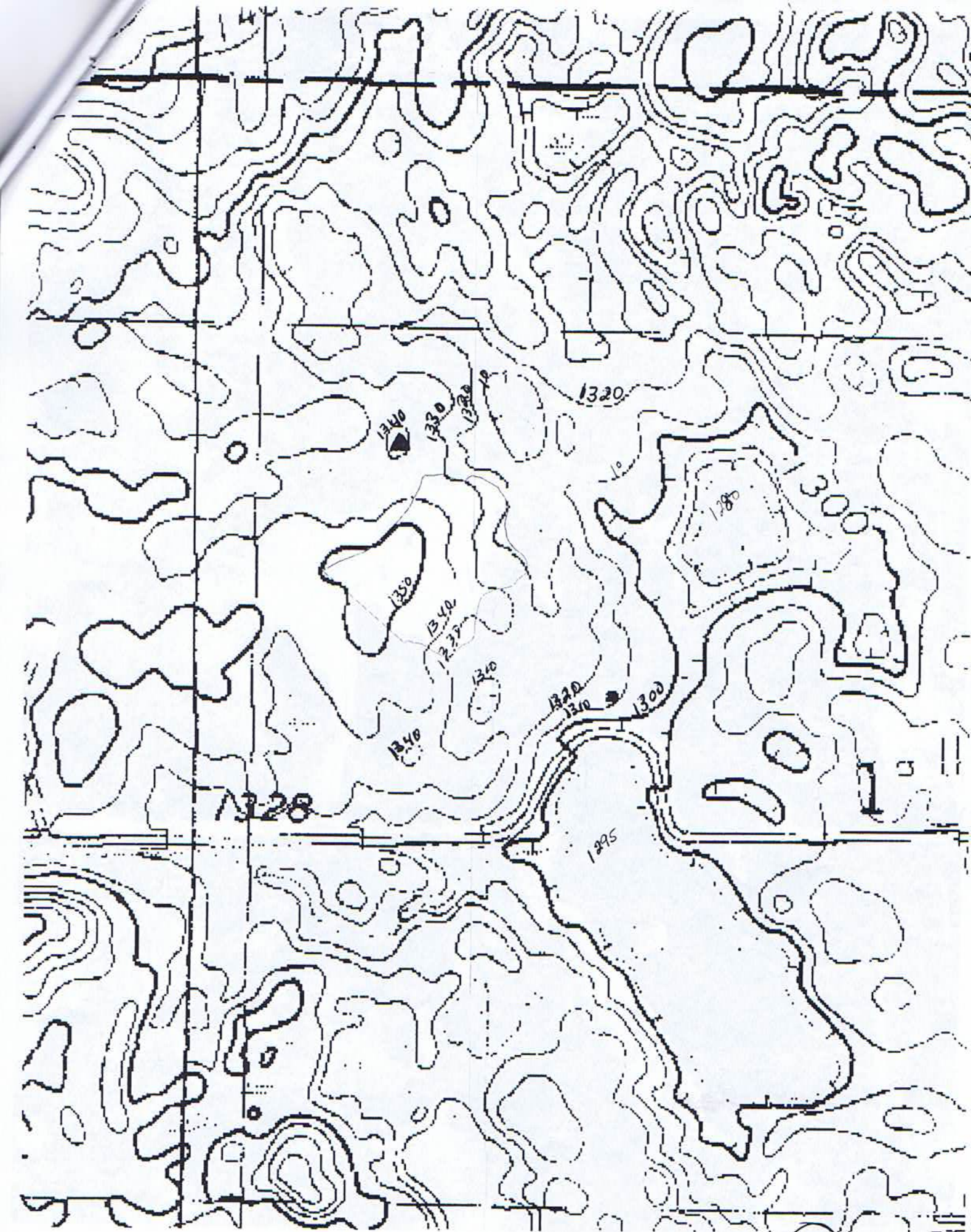
(3)

B.M. = 1346.
Nail in 12" Oak.
2.5' above Ground.

N ↑



Area along relocated Town Road is
Proposed for Rezoning



▲ = BME4346

Nail in '12" Oak

4

5

Plot Plan

County Line

N ↑

Barron
Co

Barron
Co

Hntczak Const

Barron
Co.

Pit Road

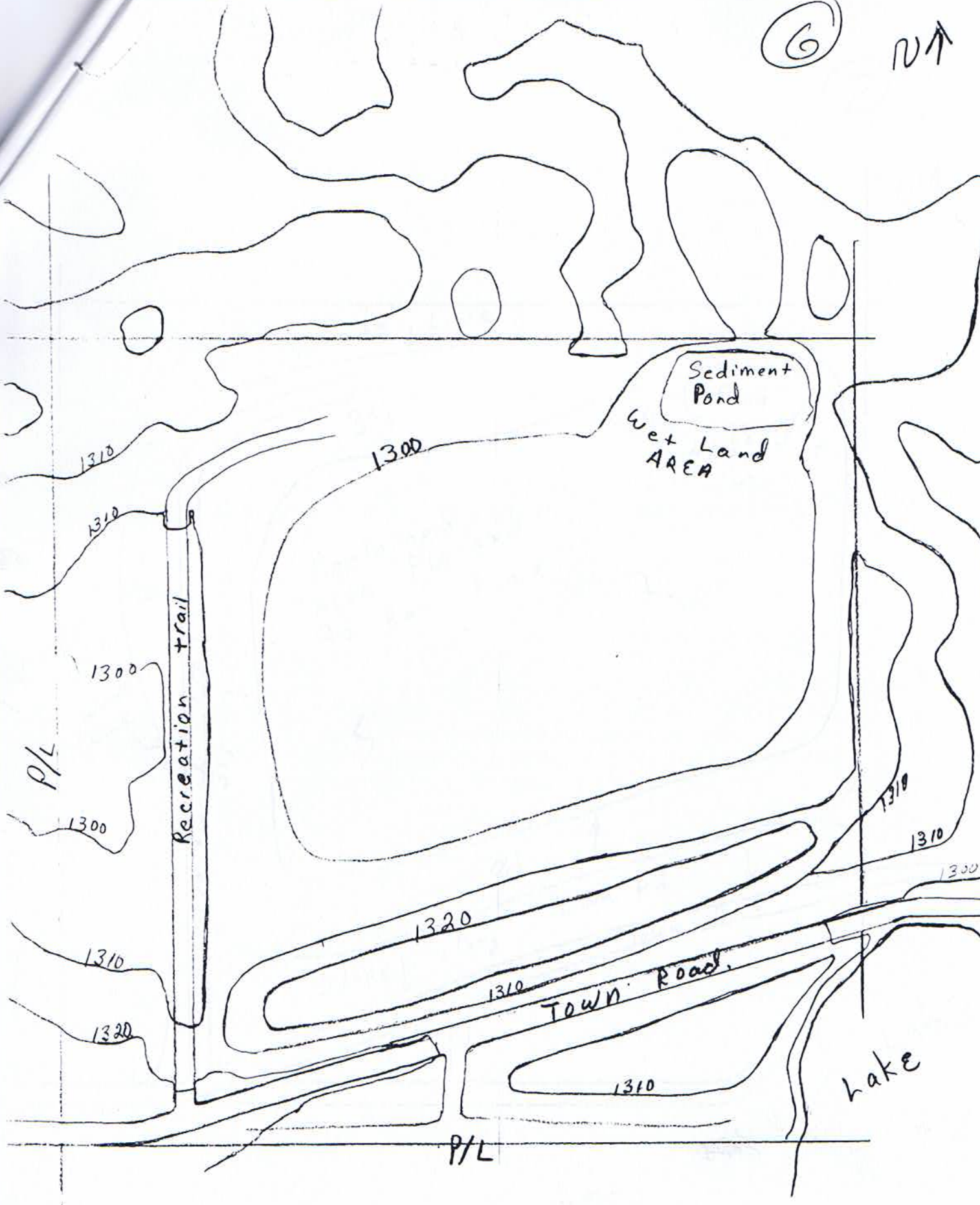
Dwelling owned by
Barron Co

29 1/2 AVE

Lake

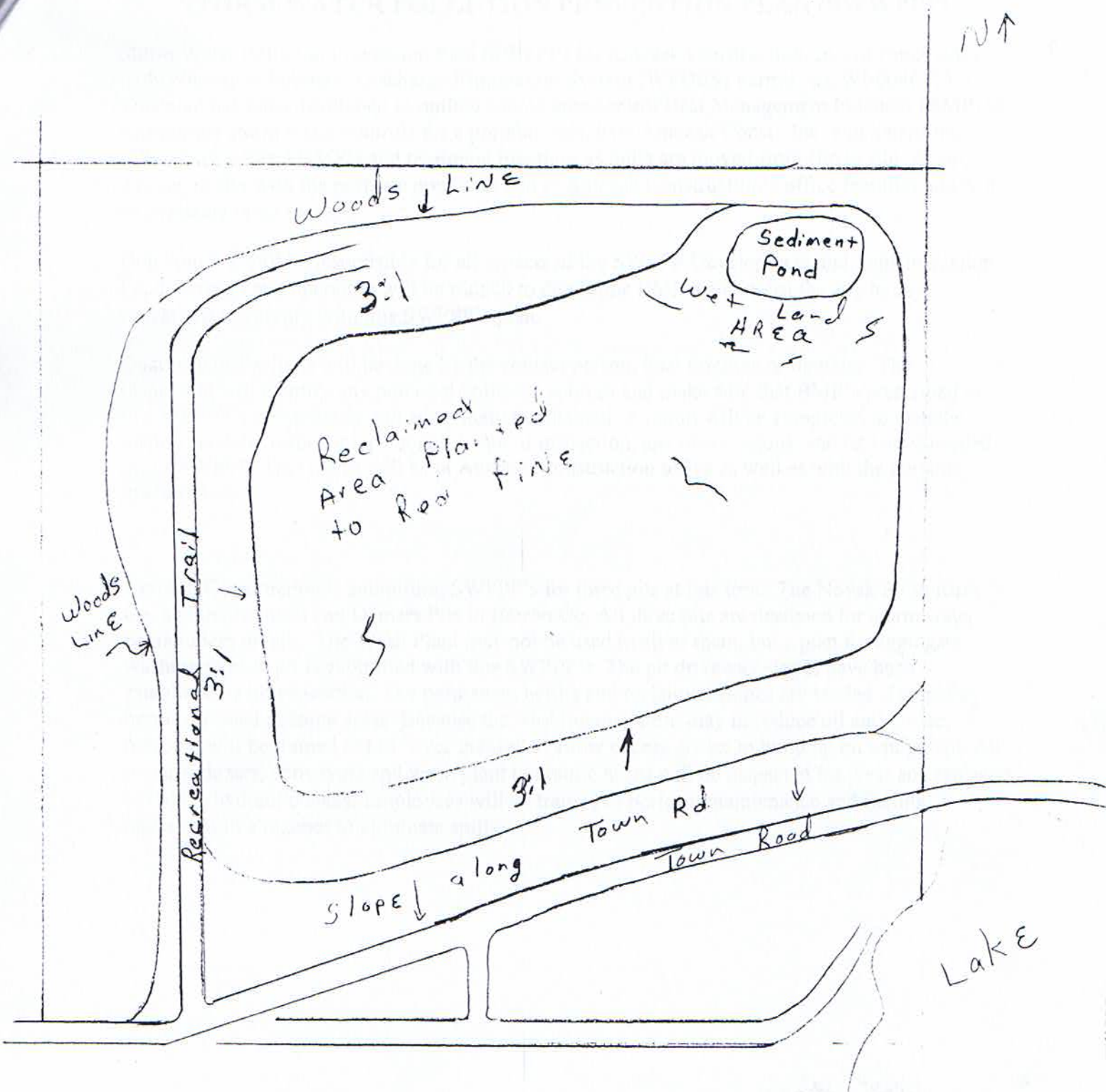
6

N ↑



⑦

N ↑



STORM WATER POLLUTION PREVENTION PLAN (SWWPPP)

Storm Water Pollution Prevention Plan (SWPPP) for Antczak Construction, Inc. in compliance with Wisconsin Pollutant Discharge Elimination System (WPDES) Permit No. WI-0046515-3. This plan has been developed to outline source area control Best Management Practices (BMP) to appropriate storm water controls for a portable unit, how Antczak Const., Inc. will determine source area control BMP's and treatment practices as units are moved from site to site. A copy will be on site with the portable operation and at Antczak Construction's office facilities and will be available upon request.

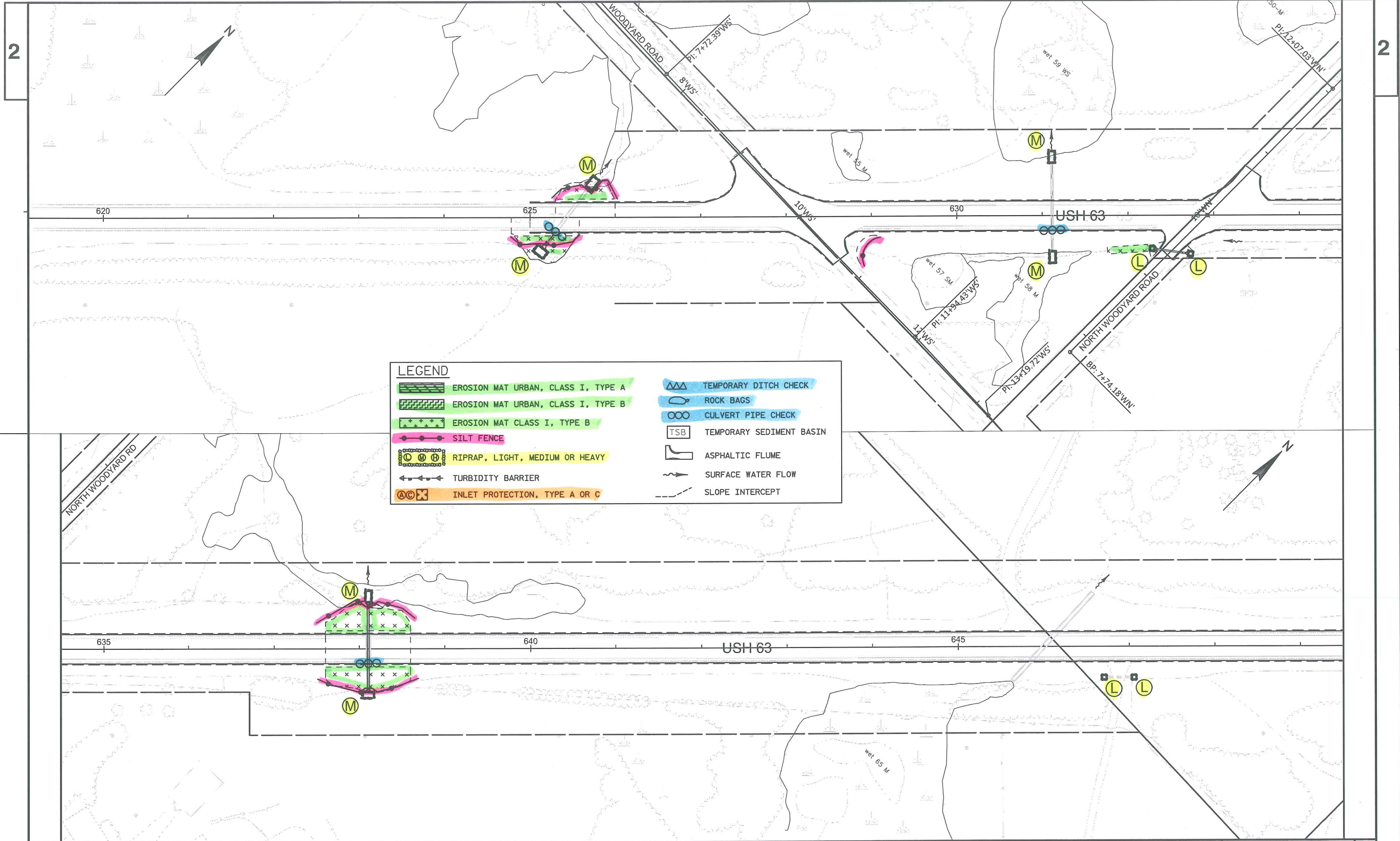
Don Antczak will be responsible for all aspects of the SWPPP Development and implementation. Lead foreman and operators will be trained to determine BMP's and assist the day to day operations to comply with this SWPPP's plan.

Quarterly inspections will be done by the contact person, lead foreman or operator. This inspection will identify any potential pollution sources and make sure that BMP's prescribed in this SWPPP's are properly and adequately maintained. A report will be completed to include; inspection date, inspection personal, scope of inspection, any observations, and revisions needed in the SWPPP. This report will be at Antczak Construction office as well as with the portable operation.

Antczak Construction is submitting SWPPP's for three pits at this time. The Novak Pit in Rusk Co. and the Johnson and Demars Pits in Barron Co. All three pits are designed for storm water containment on-site. The Wash Plant may not be used in all of them, but a plan for aggregate washing in each pit is submitted with this SWPPP's. The pit driveway slopes have been established with vegetation. The permanent berms and reclaimed slopes are seeded. Temparary berms are used in some areas. Because the washing operation may introduce oil and grease, personal will be trained not to "over grease" to allow excess grease to build up on equipment. All loaders, dozers, conveyors and wash plant hydraulic hoses will be inspected for wear and replaced to reduce hydraulic leaks. Employees will be trained to perform maintenance and fueling operations in a manner to eliminate spills.

Attachment C





2

2

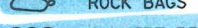
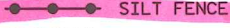
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MATCHLINE STA. 664+50.00

MATCHLINE STA. 664+50.00

MATCHLINE STA. 679+50.00

LEGEND

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	EROSION MAT URBAN, CLASS I, TYPE B		ROCK BAGS
	EROSION MAT CLASS I, TYPE B		CULVERT PIPE CHECK
	SILT FENCE		TEMPORARY SEDIMENT BASIN
	RIPRAP, LIGHT, MEDIUM OR HEAVY		ASPHALTIC FLUME
	TURBIDITY BARRIER		SURFACE WATER FLOW
	INLET PROTECTION, TYPE A OR C		SLOPE INTERCEPT

PROJECT NO:1560-31-71

HWY: USH 63

COUNTY: WASHBURN

EROSION CONTROL PLAN

SHEET

63

E

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PLOT BY : USER

PLOT NAME :

PLOT SCALE : 1 IN=100 FT-XREF

WISDOT/CADDs SHEET 44

2

2

MATCHLINE STA. 679+50.00

MATCHLINE STA. 694+50.00

MATCHLINE STA. 694+50.00

MATCHLINE STA. 709+50.00

LEGEND

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EROSION MAT URBAN, CLASS I, TYPE B

EROSION MAT CLASS I, TYPE B

SILT FENCE

RIPRAP, LIGHT, MEDIUM OR HEAVY

TURBIDITY BARRIER

INLET PROTECTION, TYPE A OR C

TEMPORARY DITCH CHECK

ROCK BAGS

CULVERT PIPE CHECK

TEMPORARY SEDIMENT BASIN

ASPHALTIC FLUME

SURFACE WATER FLOW

SLOPE INTERCEPT

PROJECT NO: 1560-31-71

HWY: USH 63

COUNTY: WASHBURN

EROSION CONTROL PLAN

SHEET

64

E

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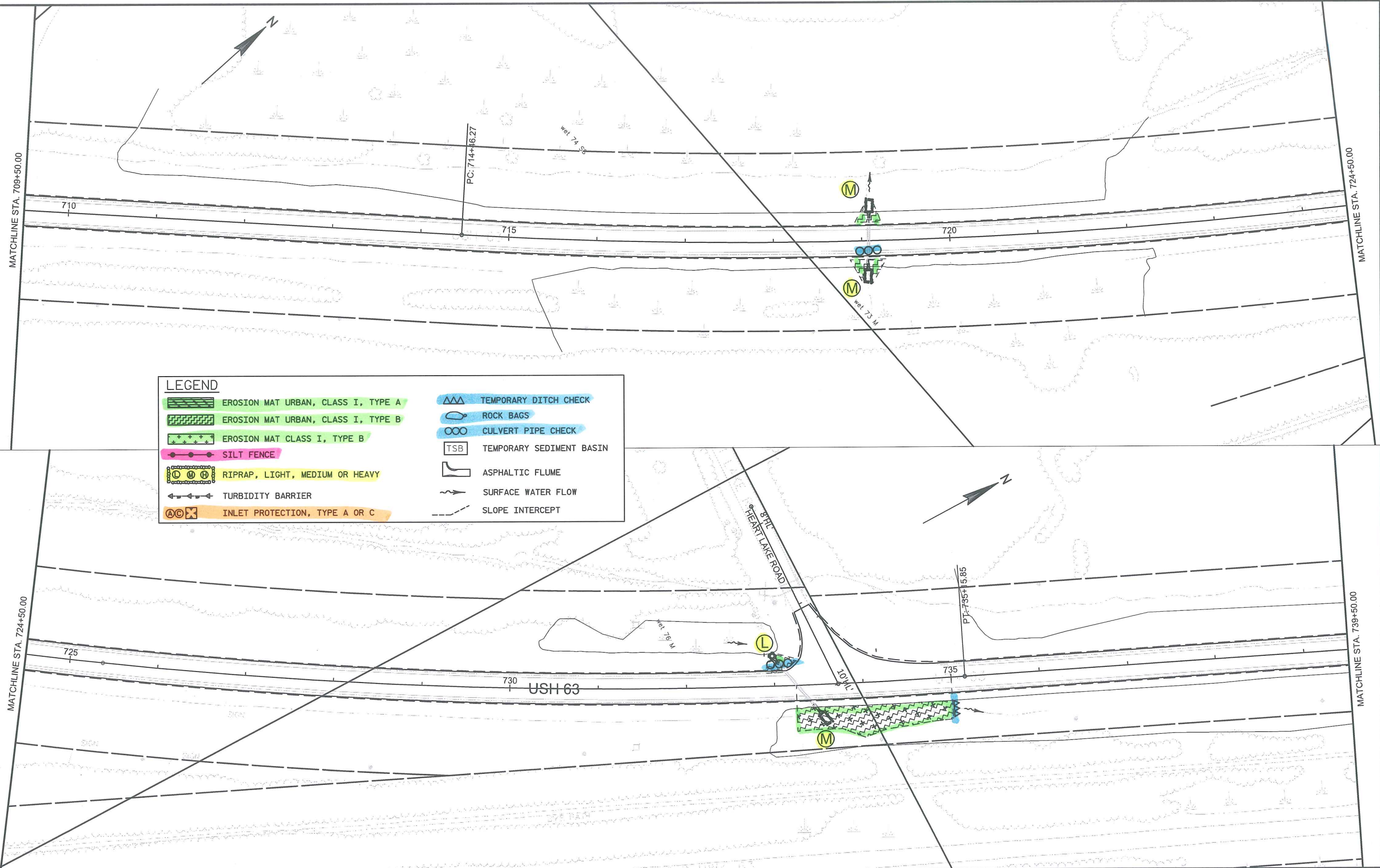
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PROJECT NO: 1560-31-71

HWY: USH 63

COUNTY: WASHBURN

EROSION CONTROL PLAN

SHEET

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PLOT NAME :

PLOT SCALE : 1 IN=100 FT.XREF

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MATCHLINE STA. 754+50.00

MATCHLINE STA. 754+50.00

MATCHLINE STA. 769+50.00

USH 63

USH 63

LEGEND

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	EROSION MAT URBAN, CLASS I, TYPE B		ROCK BAGS
	EROSION MAT CLASS I, TYPE B		CULVERT PIPE CHECK
	SILT FENCE		TEMPORARY SEDIMENT BASIN
	RIPRAP, LIGHT, MEDIUM OR HEAVY		ASPHALTIC FLUME
	TURBIDITY BARRIER		SURFACE WATER FLOW
	INLET PROTECTION, TYPE A OR C		SLOPE INTERCEPT

2

2

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MATCHLINE STA. 784+50.00

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	SILT FENCE		TEMPORARY SEDIMENT BASIN
	RIPRAP, LIGHT, MEDIUM OR HEAVY		ASPHALTIC FLUME
	TURBIDITY BARRIER		SURFACE WATER FLOW
	INLET PROTECTION, TYPE A OR C		SLOPE INTERCEPT

EROSION MAT CLASS II, TYPE B &
EROSION MAT CLASS III, TYPE B

MATCHLINE STA. 784+50.00

MATCHLINE STA. 799+50.00

PROJECT NO: 1560-31-71

HWY: USH 63

COUNTY: WASHBURN

EROSION CONTROL PLAN

SHEET

67

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PLOT BY : GARY COLBERT

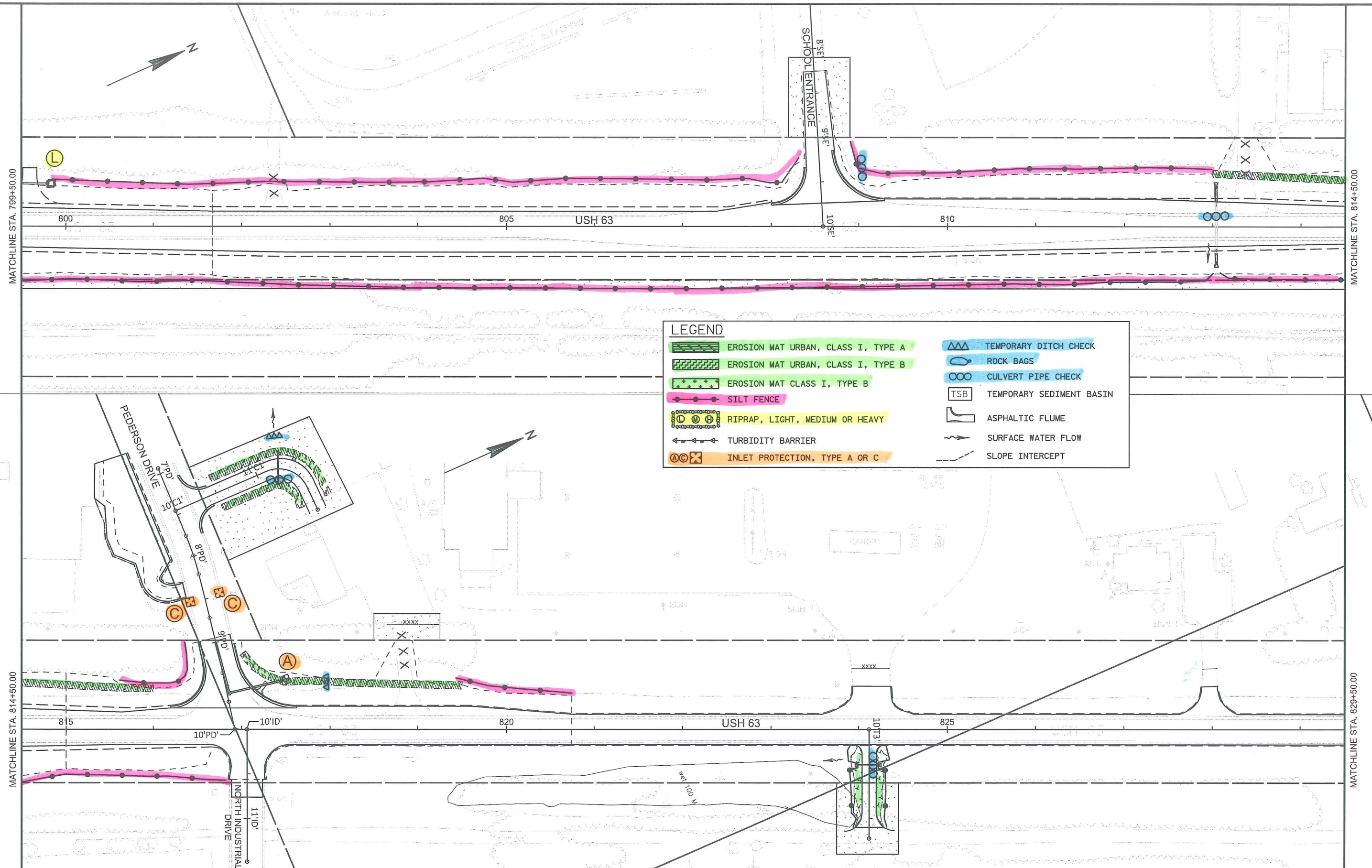
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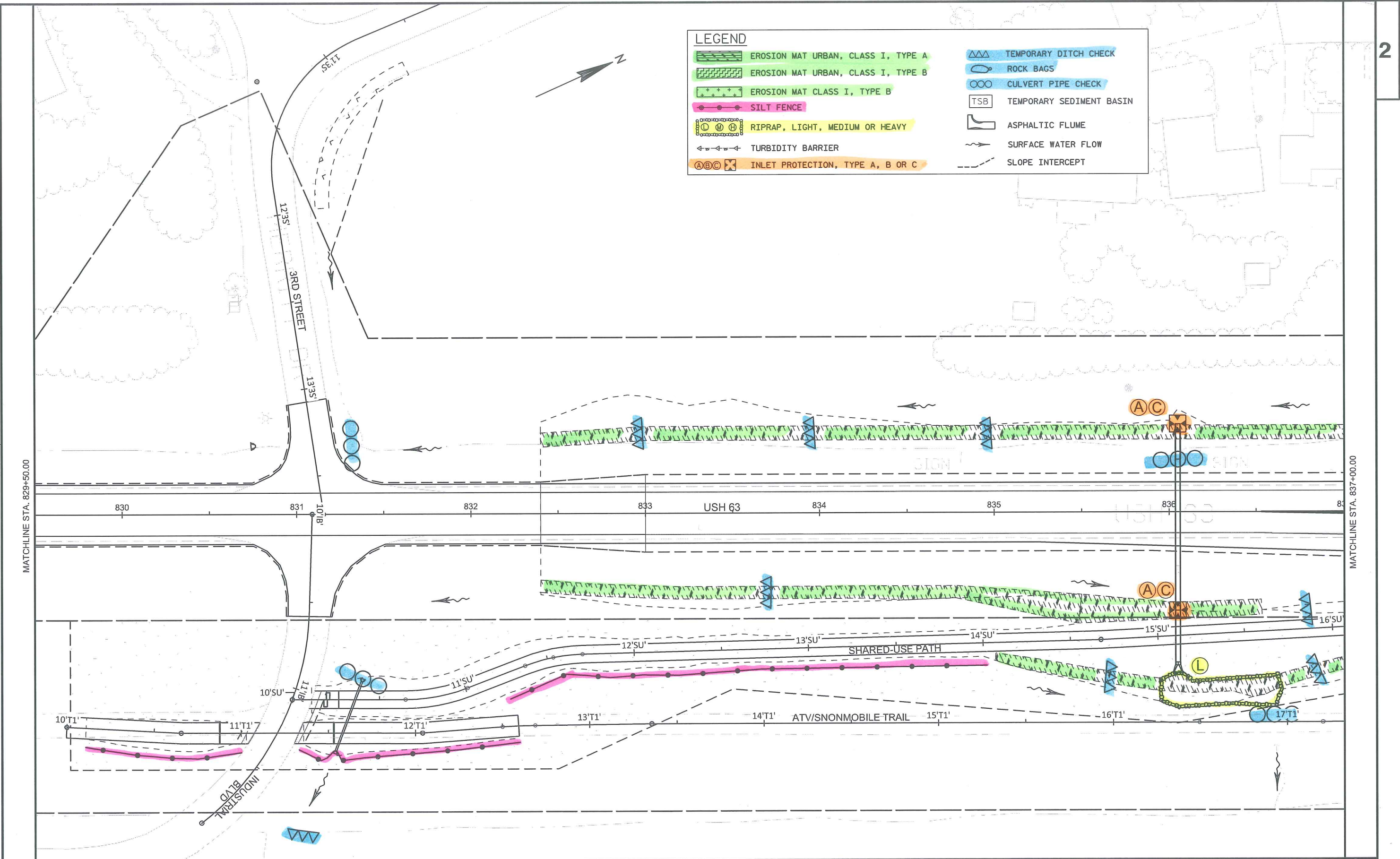
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EROSION MAT URBAN, CLASS I, TYPE B
EROSION MAT CLASS I, TYPE B
SILT FENCE
RIPRAP, LIGHT, MEDIUM OR HEAVY
TURBIDITY BARRIER
INLET PROTECTION, TYPE A, B OR C

- TEMPORARY DITCH CHECK
ROCK BAGS
CULVERT PIPE CHECK
TEMPORARY SEDIMENT BASIN
ASPHALTIC FLUME
SURFACE WATER FLOW
SLOPE INTERCEPT

MATCHLINE STA. 829+50.00

MATCHLINE STA. 837+00.00



PROJECT NO: 1560-31-71

HWY: USH 63

COUNTY: WASHBURN

EROSION CONTROL PLAN

SHEET

69

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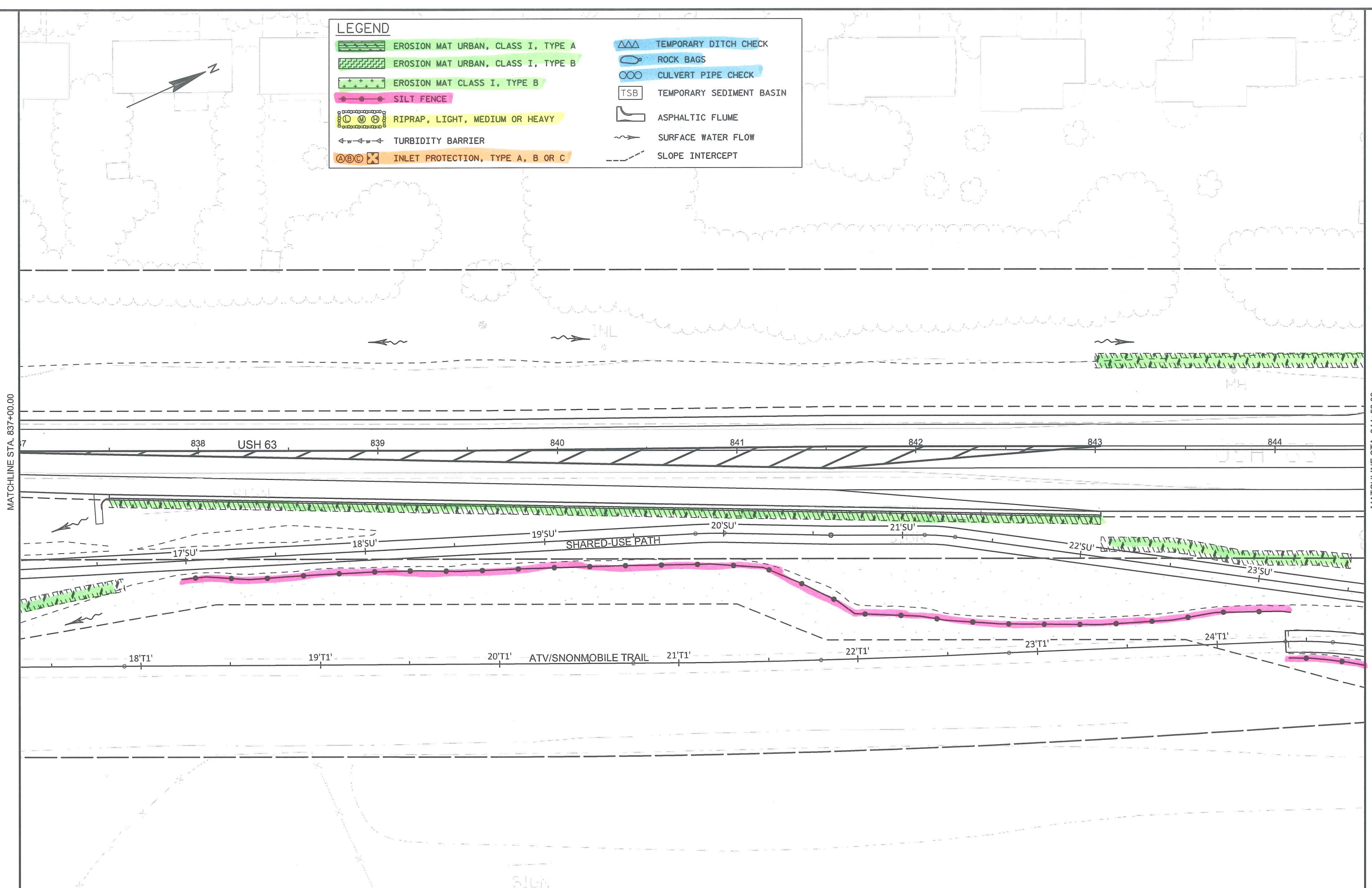
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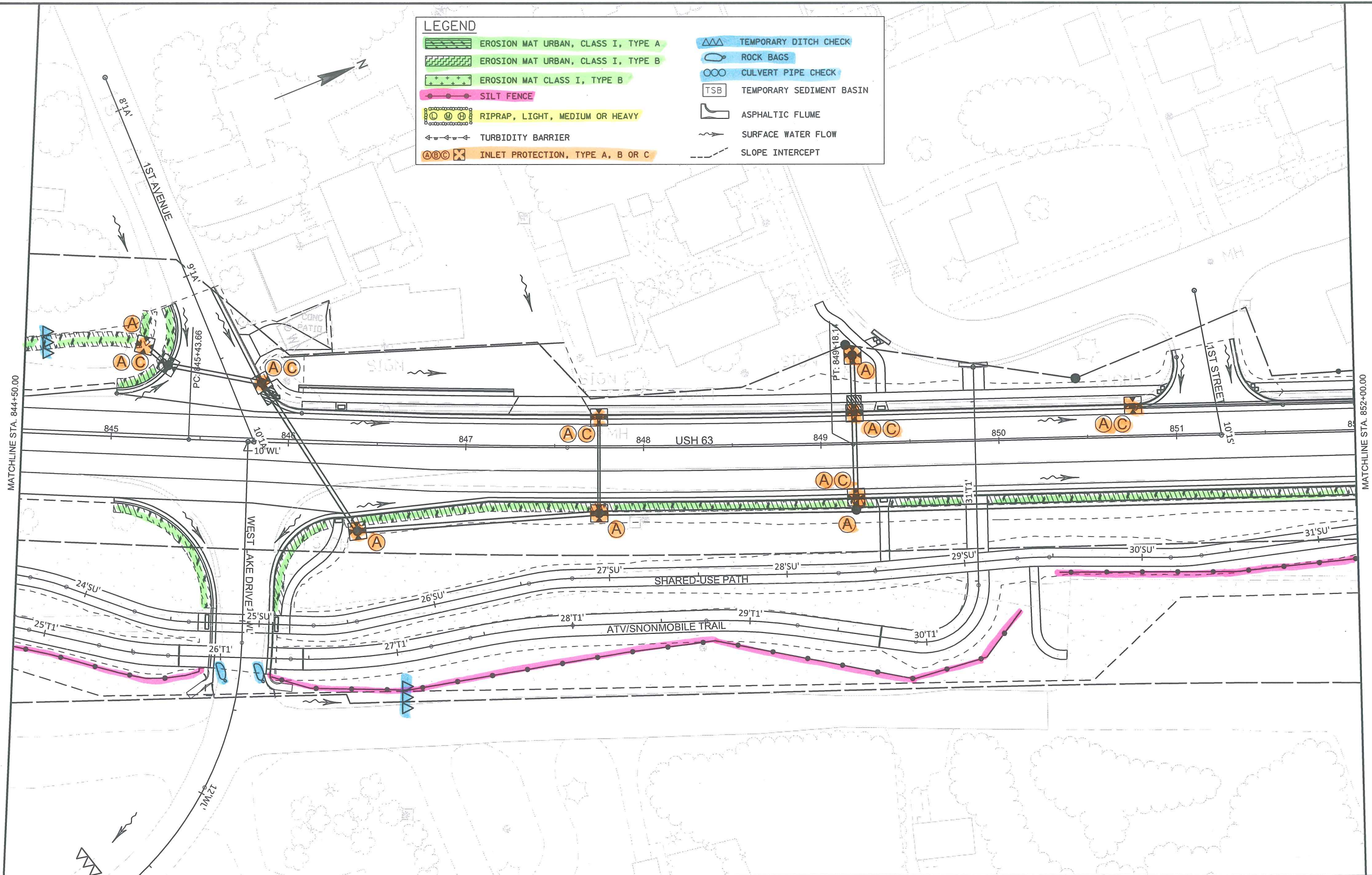
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	EROSION MAT URBAN, CLASS I, TYPE B		ROCK BAGS
	EROSION MAT CLASS I, TYPE B		CULVERT PIPE CHECK
	SILT FENCE		TEMPORARY SEDIMENT BASIN
	RIPRAP, LIGHT, MEDIUM OR HEAVY		ASPHALTIC FLUME
	TURBIDITY BARRIER		SURFACE WATER FLOW
	INLET PROTECTION, TYPE A, B OR C		SLOPE INTERCEPT

MATCHLINE STA. 837+00.00

MATCHLINE STA. 844+50.00



LEGEND	
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	EROSION MAT URBAN, CLASS I, TYPE B
	EROSION MAT CLASS I, TYPE B
	SILT FENCE
	RIPRAP, LIGHT, MEDIUM OR HEAVY
	TURBIDITY BARRIER
	INLET PROTECTION, TYPE A, B OR C
	TEMPORARY DITCH CHECK
	ROCK BAGS
	CULVERT PIPE CHECK
	TEMPORARY SEDIMENT BASIN
	ASPHALTIC FLUME
	SURFACE WATER FLOW
	SLOPE INTERCEPT



LEGEND

EROSION MAT URBAN, CLASS I, TYPE A

EROSION MAT URBAN, CLASS I, TYPE B

EROSION MAT CLASS I, TYPE B

SILT FENCE

RIPRAP, LIGHT, MEDIUM OR HEAVY

TURBIDITY BARRIER

INLET PROTECTION, TYPE A, B OR C

TEMPORARY DITCH CHECK

ROCK BAGS

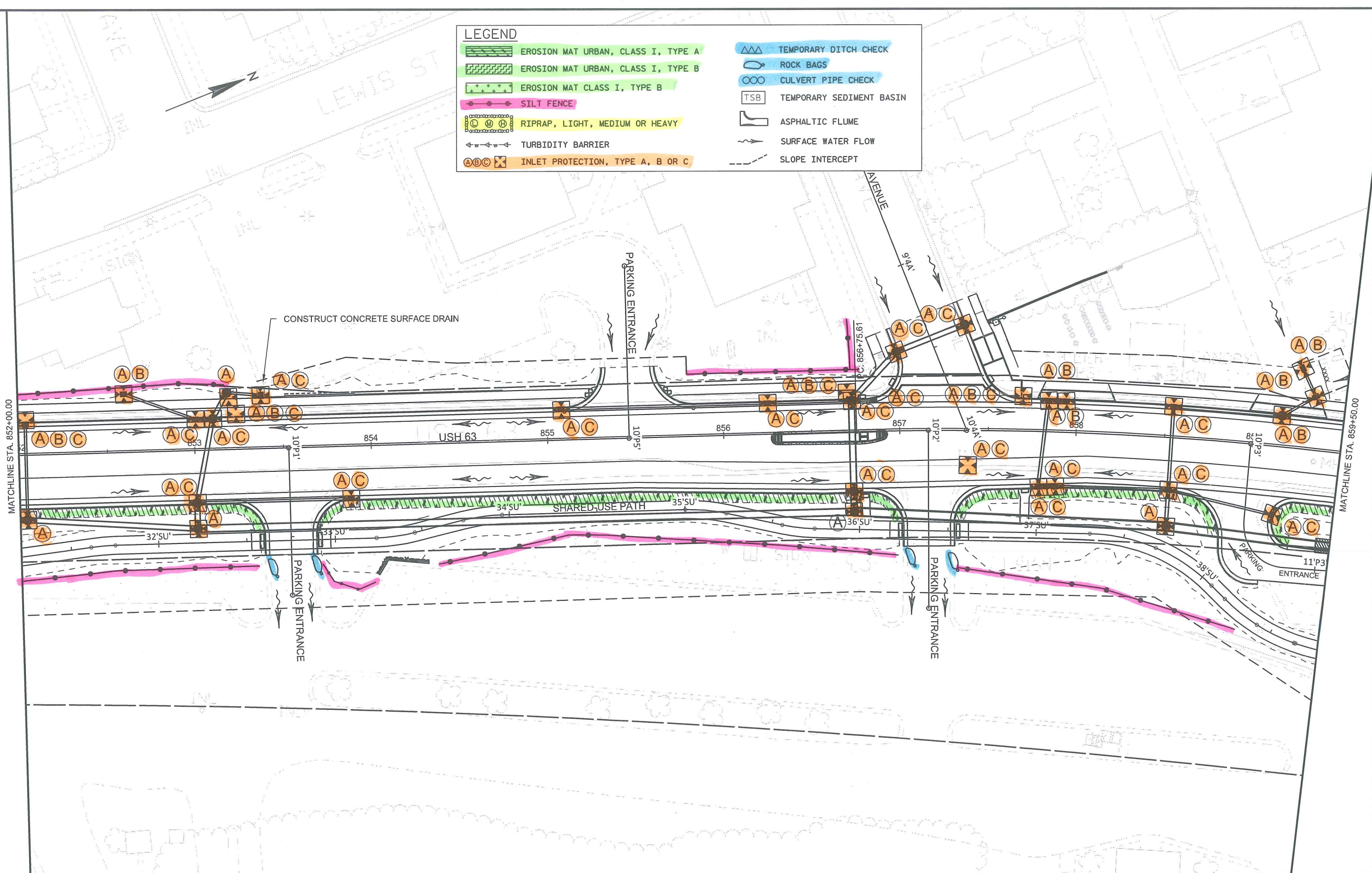
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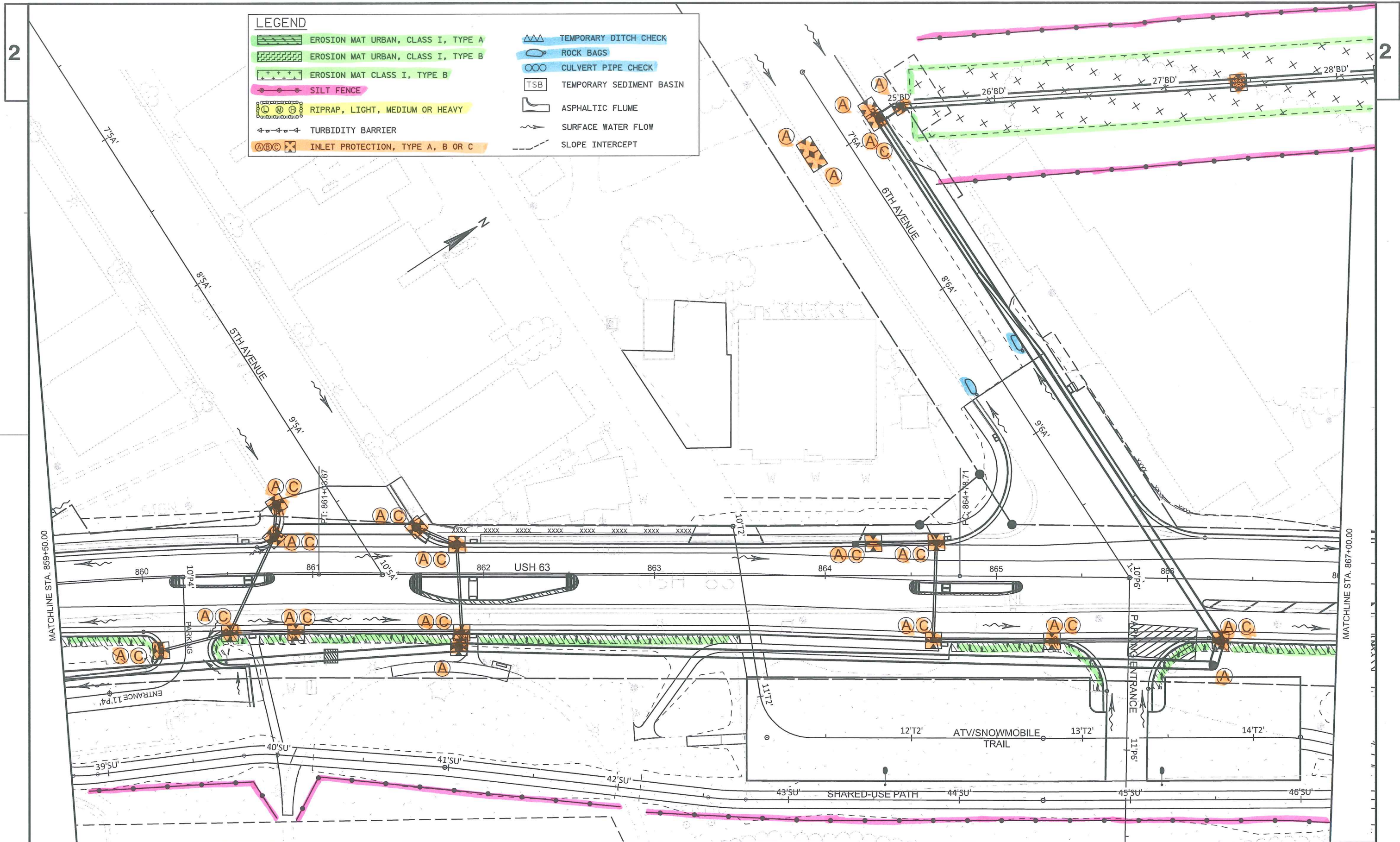
TSB TEMPORARY SEDIMENT BASIN

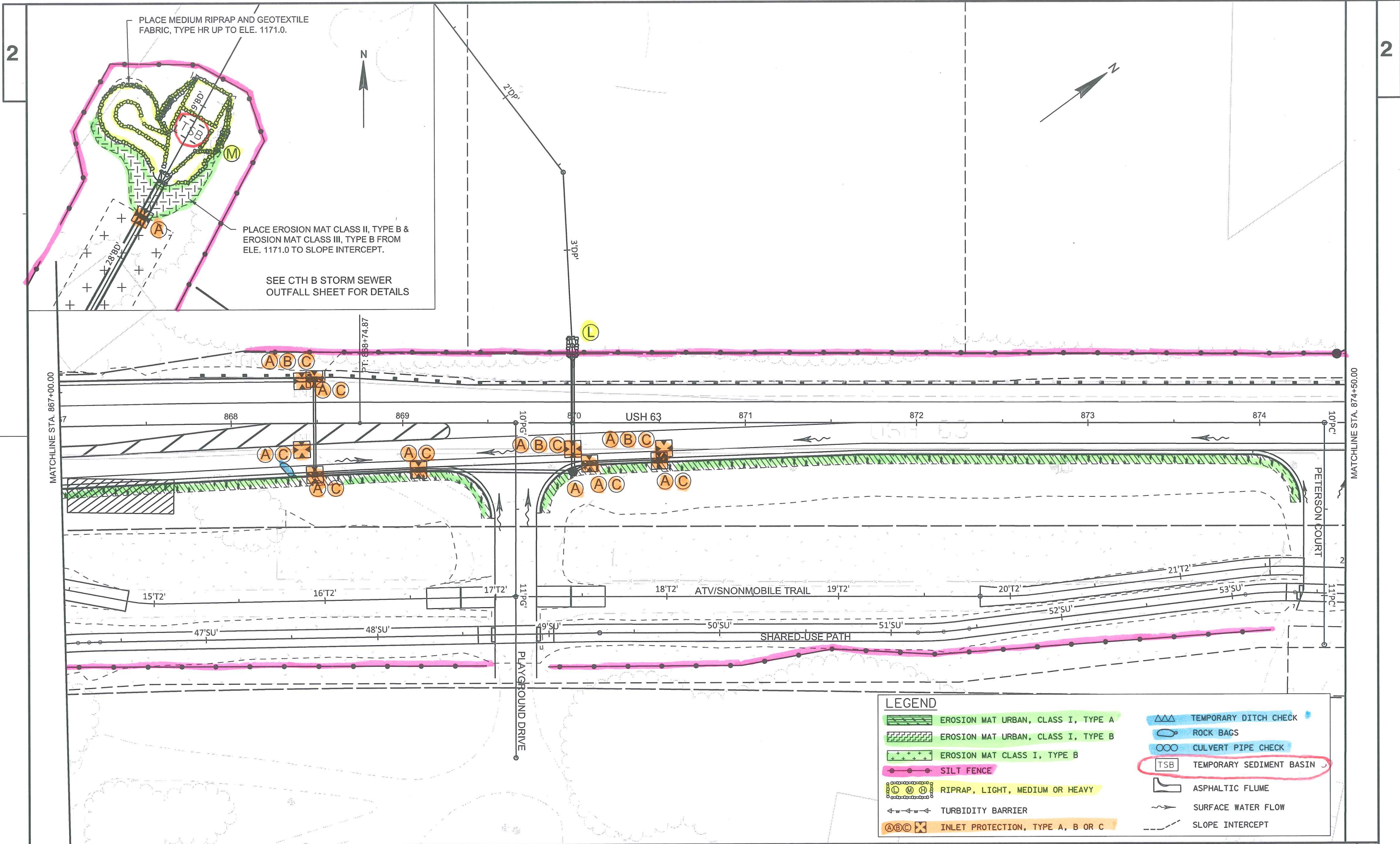
ASPHALTIC FLUME

SURFACE WATER FLOW

SLOPE INTERCEPT







PROJECT NO: 1560-31-71

HWY: USH 63

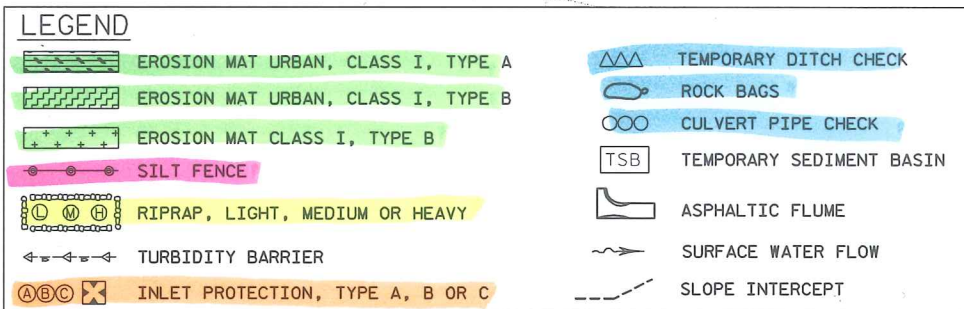
COUNTY: WASHBURN

EROSION CONTROL PLAN

SHEET

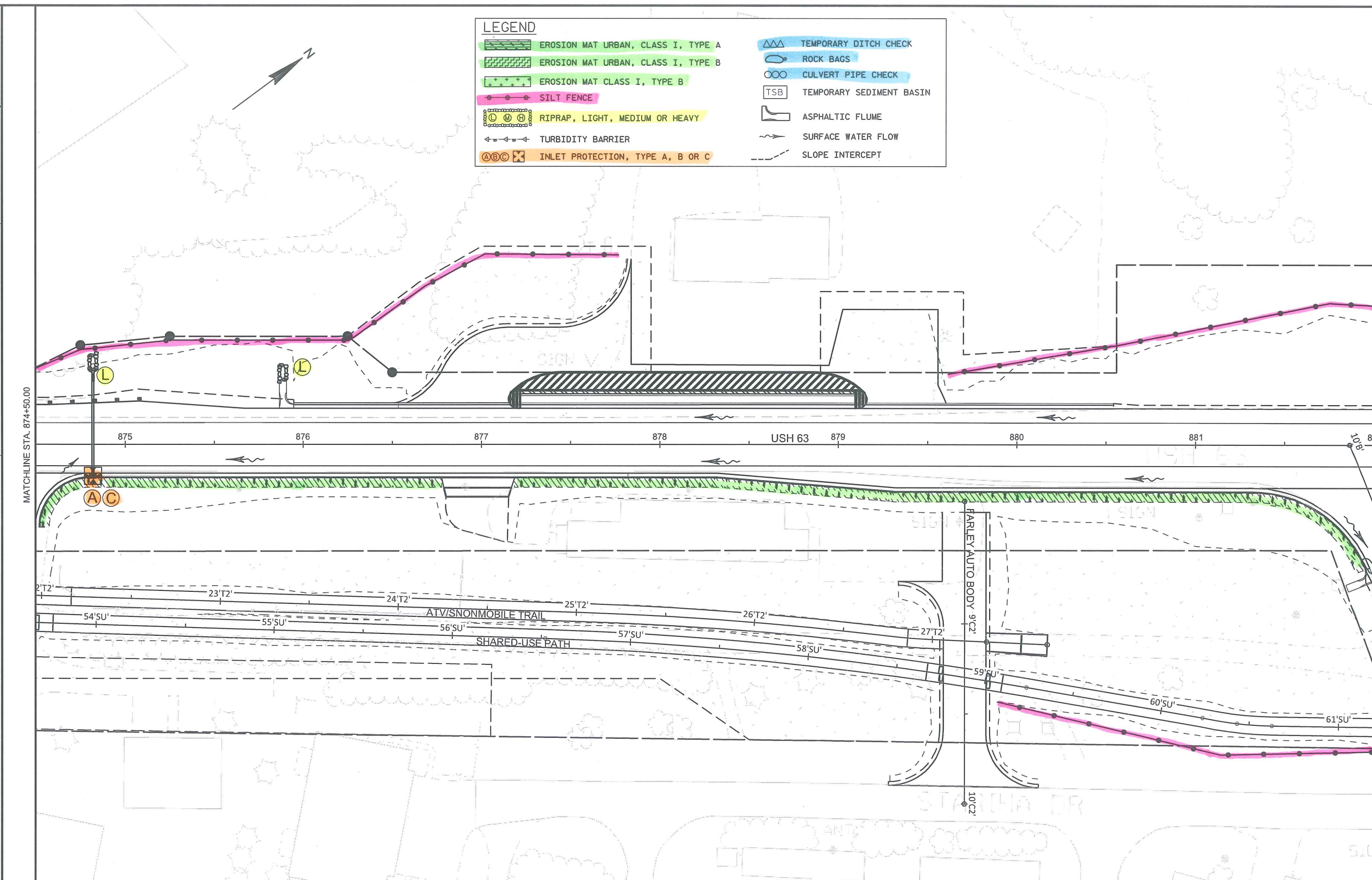
74

E



MATCHLINE STA. 874+50.00

MATCHLINE STA. 882+00.00



PROJECT NO: 1560-31-71

HWY: USH 63

COUNTY: WASHBURN

EROSION CONTROL PLAN

SHEET

75

E

FILE NAME : \\NWBESEVER\DRAWINGS\NWBE_PROJECTS\DESIGN\1101-SHELL LAKE_SS\CD-12\022002-EC-US63-830-887-50-SCALE.DWG

PLOT DATE : 9/12/2014 12:13 PM

PLOT BY : GARY COLBERT

PLOT NAME :

PLOT SCALE : 1:50-XREF

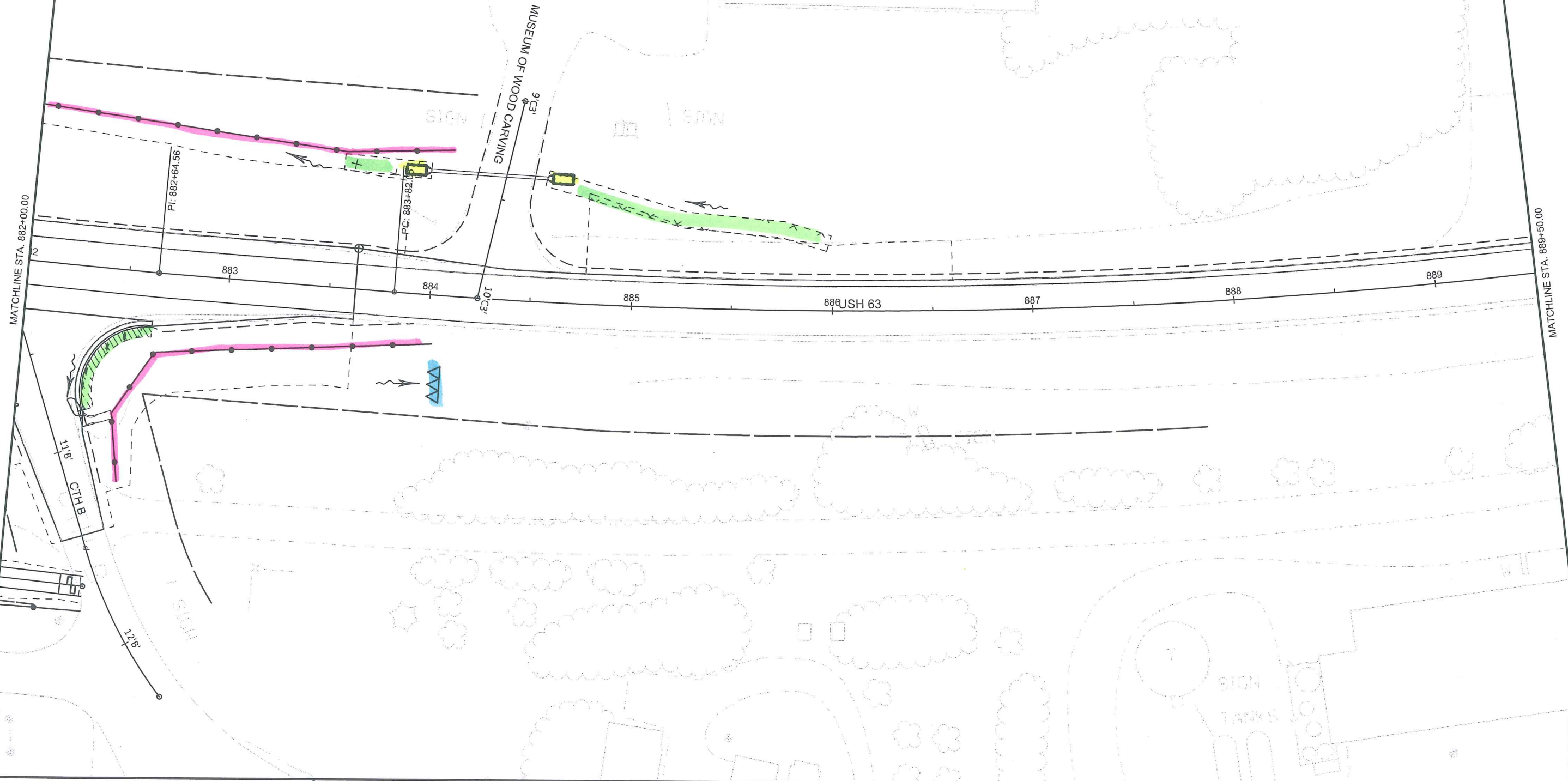
WISDOT/CADDs SHEET 42

2

2

LEGEND

	EROSION MAT URBAN, CLASS I, TYPE A		TEMPORARY DITCH CHECK
	EROSION MAT URBAN, CLASS I, TYPE B		ROCK BAGS
	EROSION MAT CLASS I, TYPE B		CULVERT PIPE CHECK
	SILT FENCE		TEMPORARY SEDIMENT BASIN
	RIPRAP, LIGHT, MEDIUM OR HEAVY		ASPHALTIC FLUME
	TURBIDITY BARRIER		SURFACE WATER FLOW
	INLET PROTECTION, TYPE A, B OR C		SLOPE INTERCEPT



PROJECT NO: 1560-31-71

HWY: USH 63

COUNTY: WASHBURN

EROSION CONTROL PLAN

SHEET

76

E

FILE NAME : \\NWBESEVER\DRAWINGS\NWBE_PROJECTS\DESIGN\1101-SHELL-LAKE-SS\CD-12\022002-EC-US63-830-887-50-SCALE.DWG

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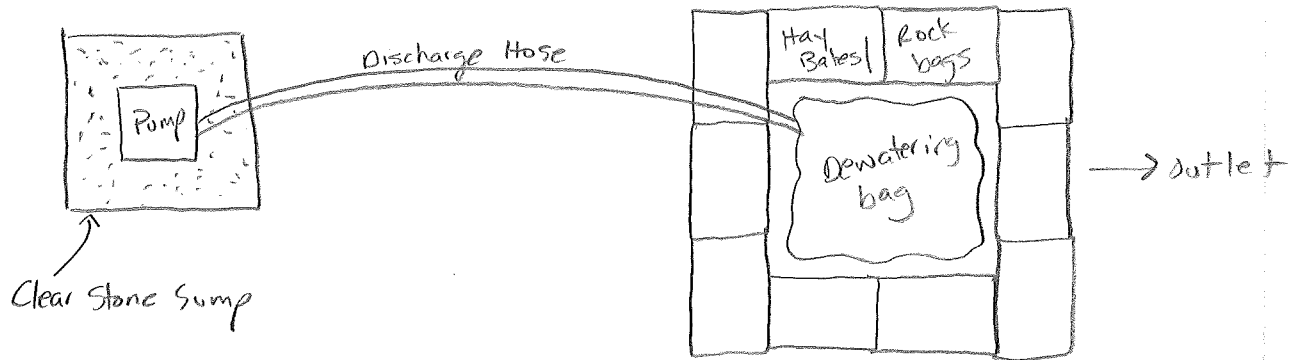
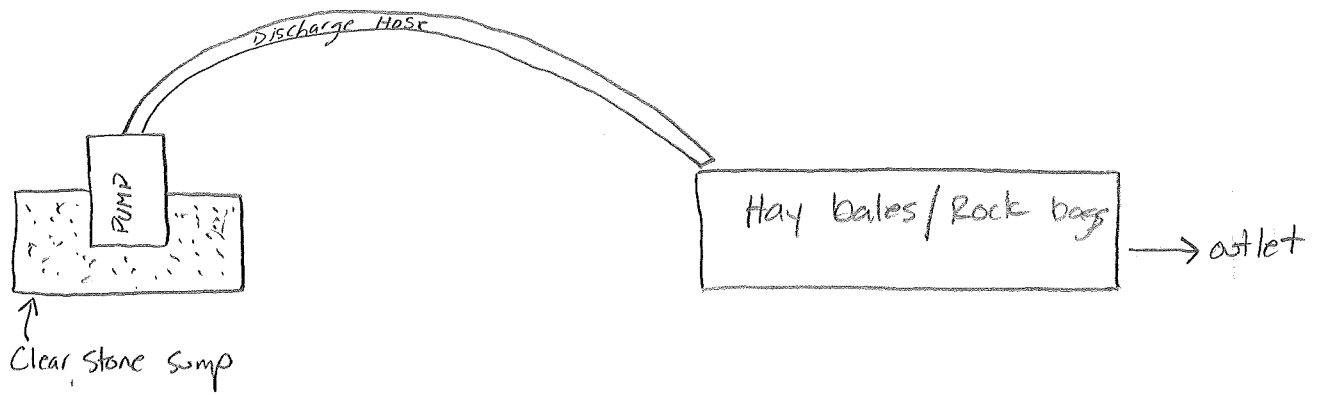
PLOT BY : GARY COLBERT

PLOT NAME :

PLOT SCALE : 1:50_XREF

WISDOT/CADDs SHEET 42

Dewatering Detail



*Not to Scale

*Size to be determined in field