

CITY OF MINNETRISTA



CITY COUNCIL AGENDA ITEM

Subject: Approve a Joint Powers Agreement between the MN Department of Natural Resources and the City of Minnetrista for rehabilitation of the Public Water Access site on Whaletail Lake

Prepared By: Gary Peters, Public Works Director

Meeting Date: February 18, 2026

Issue:

The Minnesota Department of Natural Resources (MNDNR) is going to reconstruct the Public Water Access site on Whaletail Lake and needs a Joint Powers Agreement (JPA) with the City of Minnetrista.

Background/History/Overview:

A MNDNR representative contacted the City Public Works Director about a reconstruction project that will take place this year at the Whaletail Lake public water access. This will consist of a complete rebuilding of the boat ramp launch and parking area. Please see Exhibit A and the preliminary construction plans attached. During their planning session, the MNDNR found that a portion of the Whaletail Lake public water access parking area is located within the City of Minnetrista Right-Of-Way (ROW). Please see Exhibit B attached. Due to this, the MNDNR and the City will need to have a JPA in place. Please see the Whaletail Lake PWA Cooperative Agreement attached.

The JPA was sent to the City Attorney at Kennedy and Graven for review. Once the review was completed, the City Attorney had some questions and comments for the MNDNR. The MNDNR made the changes and upon a second review, it was approved by the City Attorney.

The MNDNR is requesting a city resolution recognizing the City Council's authorization to enter into this agreement. Once the JPA is approved, the State will initiate the signing process through docu-sign. Staff is requesting the council to make the City Administrator and the Public Works Director the City's Authorized Representatives for document signing.

Fiscal Impact:

There is no expense to the City for this JPA or the reconstruction of the Whaletail Lake Public Water Access site.

Recommended City Council Action:

Motion to approve Resolution No. 21-26 for a Joint Powers Agreement between the Minnesota Department of Natural Resources and the City of Minnetrista for the rehabilitation of the Whaletail Lake Public Water Access site; and naming the City Administrator and Public Works Director as the City's Authorized Representatives for document signing.

Mission Statement:

The City of Minnetrista will deliver quality services in a cost effective and innovative manner and provide opportunities for a high quality of life while protecting natural resources and maintaining a rural character.



State of Minnesota Cooperative Agreement

WHALETAIL LAKE PWA COOPERATIVE AGREEMENT BETWEEN THE STATE OF MINNESOTA AND CITY OF MINNETRISTA

This Agreement is between the State of Minnesota, acting through its Commissioner of the Department of Natural Resources (“State”) and City of Minnetrista, (“City”).

Recitals

The Commissioner of Natural Resources has the authority, duty, and responsibility under Minnesota Statutes Section 97A.141 to provide public water access on lakes and rivers, where access is inadequate; and.

The State and the City are authorized under Minnesota Statutes Section 471.59, to enter into agreements to jointly or cooperatively exercise common powers.

The State and City have determined that rehabilitation of the Public Water Access site on Whaletail Lake is of high priority under the state public water access program.

The State owns land described as traversing portions of T117 N, R24 W, S20, as shown on the map that is referenced as **Exhibit A**, and hereinafter referred to as the “State Property”.

The City holds a Right of Way easement over portions of the State-owned property, including in an area that is being used as the public water access parking lot. This area is referenced as the “Right of Way” and depicted on **Exhibit B**.

The State and the City have determined that the Public Water Access and associated parking area, and hereinafter referred to as the “Water Access,” which shall meet the requirements of the ADA, will provide a distinct and significant benefit to the public, plans for which are referenced as **Exhibit C**.

A copy of the City Board Resolution authorizing the City to enter into this agreement is referenced as **Exhibit D**.

Agreement

1. Term of Agreement

- 1.1 Effective Date: March 1, 2026, or the date the State obtains all required signatures under Minn. Stat. § 16C.05, subd. 2, whichever is later.

1.2 Expiration Date: June 30, 2056, or until all obligations have been satisfactorily fulfilled, whichever occurs first. The agreement can be extended with a written amendment as agreed upon and signed by both parties.

2. Agreement between the Parties

2.1 State's Duties and Responsibilities. The State shall:

- a. Provide funding for the upgrading and reconstruction of the Water Access. This Funding shall be limited to State incurred expenses directly related to the construction of the Water Access.
- b. Develop final Plans and Specifications for the Water Access that meet all applicable requirements of the ADA and the State's requirements for Public Water Access storm water management and Aquatic Invasive Species best management practices.
- c. Obtain all necessary, state, and federal permits necessary for the upgrading and reconstruction of the Water Access.
- d. Upon Completion, provide annual maintenance and repair of the Water Access. The State shall maintain the Water Access consistent with all applicable local, state, and federal laws, regulations and rules that may apply to the management, operation, and maintenance of a facility of this type.
- e. The State reserves the right to inspect the premises at all times to ensure that the City complies with the terms of this Agreement.
- f. Permit the City to review and approve significant modifications to the Right of Way and associated improvements proposed by the State during the term of this Agreement. The City's comments shall be provided by the City's designated Project contact.
- g. Permit the City to enter the State Property with maintenance equipment required for maintenance of the adjacent drainage ditch and Right of Way.
- h. Be permitted to review and approve any alterations or improvements within both the City owned Right of Way and the State Property as identified in Exhibit A proposed by the City during the term of this agreement.

2.2 City's Duties and Responsibilities. The City shall:

- a. Maintain areas associated with the roadway easement, but not the Public Access, including the ditch that extends alongside the western boundary of the parking area.
- b. Permit the State to review and approve any alterations or improvements to the Right of Way, located within the boundaries of the State Property, proposed by the City.
- c. During any implementation of approved improvements or during routine maintenance within the boundaries of the Right of Way, apply the guidelines of the State's requirement to prevent or limit the introduction, establishment and spread of invasive species within

State-owned property. The State's specific guidance regarding Invasive Species Prevention and Site Planning and Management can be found at https://files.dnr.state.mn.us/assistance/grants/habitat/heritage/oporder_113.pdf

- d. Reserve the right to inspect the premises at all times to ensure that the State is in compliance with the terms of this agreement.

3. Funding

The State shall provide funding for its responsibilities under Article §2.1 above through the standard internal purchasing process including, but not limited to, a separate requisition in which funds will be encumbered. However, the total obligation of the State shall be limited to the amount of funds legislatively appropriated and administratively allocated to this project. No additional funding will be provided, unless agreed upon by all parties and an amendment to this Agreement is completed and executed.

4. Authorized Representatives

The State's Authorized Representative is Jess Althoff, Parks and Trails Area (3B) Supervisor, Minnesota Department of Natural Resources, 1200 Warner Road, 651.259.5875, jess.althoff@state.mn.us or their successor.

The City's Authorized Representatives are Jasper Kruggel, City Administrator, and Gary Peters, Public Works Director, City of Minnetrista, 7701 County Road 110 West, Minnetrista, MN 55364, 952-446-1660, jkruggel@cityofminnetrista.gov and garypeters@cityofminnetrista.gov.

5. Assignment, Amendments, Waiver, and Contract Complete.

- 5.1 Assignment. The City may neither assign nor transfer any rights or obligations under this Agreement without the prior consent of the State and a fully executed assignment agreement, executed and approved by the authorized parties or their successors.
- 5.2 Amendments. Any amendment to this Agreement must be in writing and will not be effective until it has been executed and approved by the authorized parties or their successors.
- 5.3 Waiver. If the State fails to enforce any provision of this Agreement, that failure does not waive the provision or its right to enforce it.
- 5.4 Contract Complete. This Agreement contains all negotiations and agreements between the State and the City. No other understanding regarding this Agreement, whether written or oral, may be used to bind either party.

6. Liability

Each party agrees that it will be responsible for its own acts and the results thereof to the extent authorized by law and shall not be responsible for the acts of the other party and the results thereof.

The State's liability shall be governed by the provisions of the Minnesota Tort Claims Act, Minnesota Statutes Section 3.736, and other applicable law. The City's liability shall be governed by Minnesota Statutes Sections 466.01 - 466.15, and other applicable law.

7. State Audits.

Under Minn. Stat. § 16C.05, subd. 5, the City's books, records, documents, and accounting procedures and practices relevant to this Agreement are subject to examination by the State, the State Auditor, or Legislative Auditor, as appropriate, for a minimum of six years from the expiration or termination of this Agreement.

8. Government Data Practices.

The City and State must comply with the Minnesota Government Data Practices Act, Minn. Stat. Ch. 13, (or, if the State contracting party is part of the Judicial Branch, with the Rules of Public Access to Records of the Judicial Branch promulgated by the Minnesota Supreme Court as the same may be amended from time to time) as it applies to all data provided by the State under this Agreement, and as it applies to all data created, collected, received, stored, used, maintained, or disseminated by the City under this Contract. The civil remedies of Minn. Stat. § 13.08 apply to the release of the data governed by the Minnesota Government Practices Act, Minn. Stat. Ch. 13, by either the City or the State.

If the City receives a request to release the data referred to in this clause, the City must immediately notify and consult with the State's Authorized Representative as to how the City should respond to the request. The City's response to the request shall comply with applicable law.

9. Publicity and Endorsement.

9.1 Publicity. Any publicity regarding the subject matter of this Contract must identify the State as the sponsoring agency and must not be released without prior written approval from the State's Authorized Representative. For purposes of this provision, publicity includes notices, informational pamphlets, press releases, information posted on corporate or other websites, research, reports, signs, and similar public notices prepared by or for the City individually or jointly with others, or any subcontractors, with respect to the program, publications, or services provided resulting from this Contract.

All publicity shall be provided in an accessible format per Minnesota Statute 16E.03, sub. 9. State of Minnesota guidelines for creating accessible electronic documents can be found at the following URL: <https://mn.gov/mnit/programs/accessibility/>.

9.2 Endorsement. The City must not claim that the State endorses its products or services.

10. Venue

Venue for all legal proceedings out of this Agreement, or its breach, must be in the appropriate state or federal court with competent jurisdiction in Ramsey City, Minnesota.

11. Termination

- 11.1 Termination. This Agreement may be cancelled by the State at any time with cause or as necessary as provided in Article 3, on thirty (30) days written notice to the City. This Agreement may also be cancelled by the City at any time with or without cause at any time prior to the initiation of construction and upon thirty (30) days written notice to the State.
- 11.2 Termination for Insufficient Funding. The State may immediately terminate this Agreement if it does not obtain funding from the Minnesota Legislature, or other funding source; or if funding cannot be continued at a level sufficient to allow for the payment of the services covered here. Termination must be by written or fax notice to the City. The State is not obligated to pay for any services that are provided after notice and effective date of termination. However, the City will be entitled to payment, determined on a pro rata basis, for services satisfactorily performed to the extent that funds are available. The State will not be assessed any penalty if the agreement is terminated because of the decision of the Minnesota Legislature, or other funding source, not to appropriate funds. The State must provide the City notice of the lack of funding within a reasonable time of the State's receiving that notice.

12. Force Majeure

Neither party shall be responsible to the other or considered in default of its obligations within this Agreement to the extent that performance of any such obligations is prevented or delayed by acts of God, war, riot, disruption of government, or other catastrophes beyond the reasonable control of the party unless the act or occurrence could have been reasonably foreseen and reasonable action could have been taken to prevent the delay or failure to perform. A party relying on this provision to excuse performance must provide the other party prompt written notice of inability to perform and take all necessary steps to bring about performance as soon as practicable.

13. E-Verify Certification (in accordance with Minn. Stat. § 16C.075).

For services valued in excess of \$50,000, the City certifies that as of the date of services performed on behalf of the State, City and all its subcontractors will have implemented or be in the process of implementing the federal E-Verify Program for all newly hired employees in the United States who will perform work on behalf of the State. The City is responsible for collecting all subcontractor certifications and may do so utilizing the E-Verify Subcontractor Certification Form available at <http://www.mmd.admin.state.mn.us/doc/EVerifySubCertForm.doc>. All subcontractor certifications must be kept on file with Contractor and made available to the State upon request.

14. Exhibits. The following Exhibits are attached and incorporated into this Contract. In the event of a conflict between the terms of this Contract and its Exhibits, or between Exhibits, the order of precedence is first the Contract, and then in the following order:

- Exhibit A: **Map of Minnesota Department of Natural Resources Ownership**
- Exhibit B: **Map of City ROW Easement**
- Exhibit C: **Water Access Plans**
- Exhibit D: **City Resolution**

[The Balance OF This Page is Left Intentionally Blank]

1. State Encumbrance Verification

Individual certifies that funds have been encumbered as required by Minn. Stat. §§ 16A.15 and 16C.05

Print Name: _____

Signature: _____

Title: _____ Date: _____

SWIFT Contract No. _____

2. City of Minnetrista

Print Name: Jasper Kruggel _____

Signature: _____

Title: City Administrator _____ Date: 1/18/2026 _____

3. City of Minnetrista

Print Name: Gary Peters _____

Signature: _____

Title: Public Works Director _____ Date: 1/18/2026 _____

3. Minnesota Department of Natural Resources
With delegated authority

Print Name: _____

Signature: _____

Title: _____ Date: _____

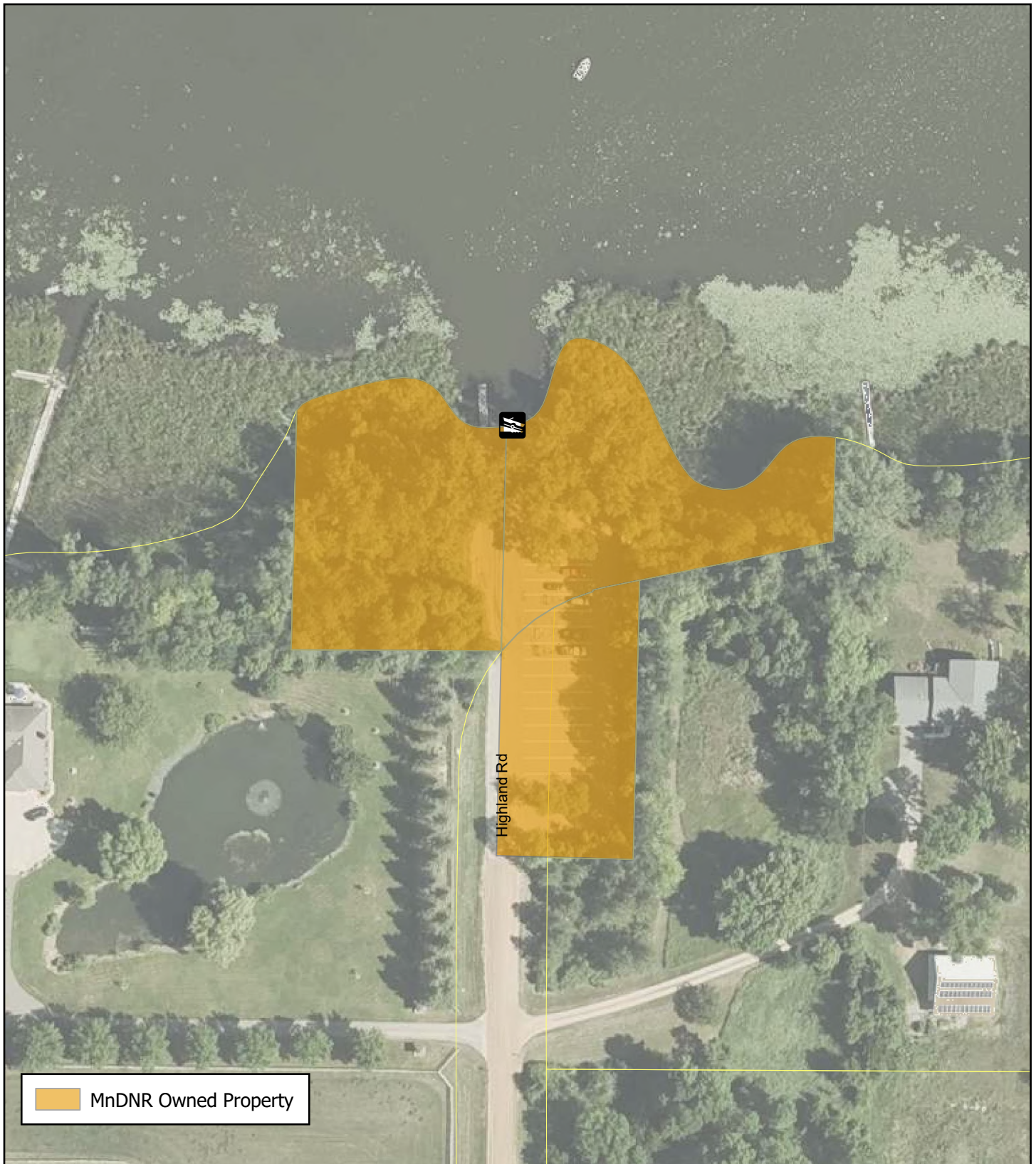
4. Commissioner of Administration
As delegated to The Office of State Procurement

Print Name: _____

Signature: _____

Title: _____ Date: _____

Admin ID: _____



Minnesota Department of Natural Resources
 Parks and Trails | Area 3B
 1200 Warner Road
 Saint Paul, MN 55106



Whaletail Lake
 Hennepin County

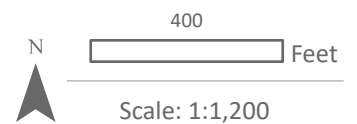
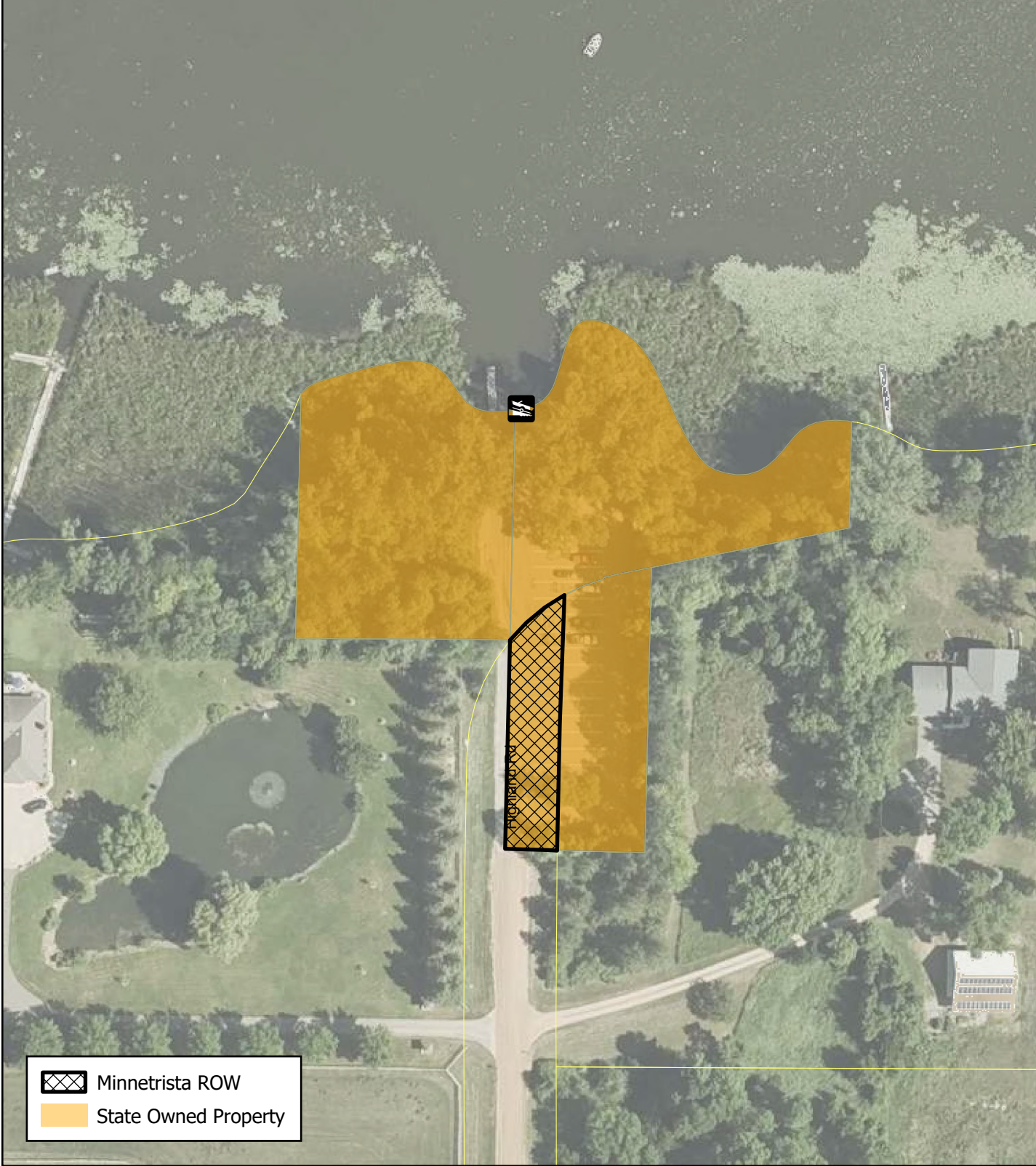



Exhibit A



	Minnetrista ROW
	State Owned Property

Minnesota Department of Natural Resources
 Parks and Trails | Area 3B
 1200 Warner Road
 Saint Paul, MN 55106

Whaletail Lake
 Hennepin County





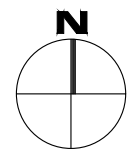
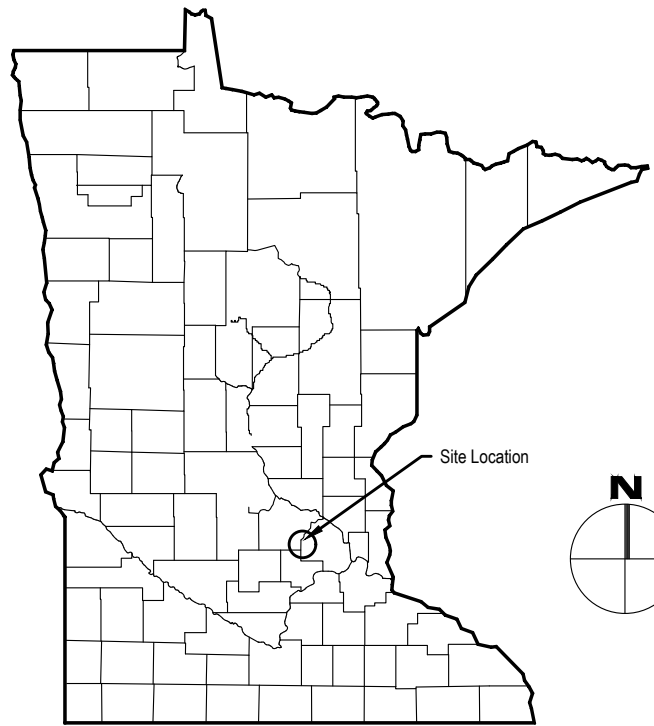
N   400 Feet
 Scale: 1:1,200

Exhibit B

MINNESOTA DEPARTMENT OF NATURAL RESOURCES - PARKS AND TRAILS DIVISION

WHALETAIL LAKE PUBLIC WATER ACCESS REDEVELOPMENT PLAN



NOTES:

EXISTING UTILITY INFORMATION SHOWN ON THIS PLAN HAS BEEN PROVIDED BY THE UTILITY OWNER. THE CONTRACTOR SHALL FIELD VERIFY EXACT LOCATIONS PRIOR TO COMMENCING CONSTRUCTION AS REQUIRED BY STATE LAW. NOTIFY GOPHER STATE ONE-CALL 1-800-252-1166 OR 651-454-0002.

THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL D. THIS UTILITY QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF CI/ASCE 38-02, ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA."

THE CONTRACTOR SHALL COMPLY WITH THE PROVISIONS IN PROJECT MANUAL, DIVISION 1, (01 30 00) INVASIVE SPECIES PREVENTION IN COMPLETING THE WORK

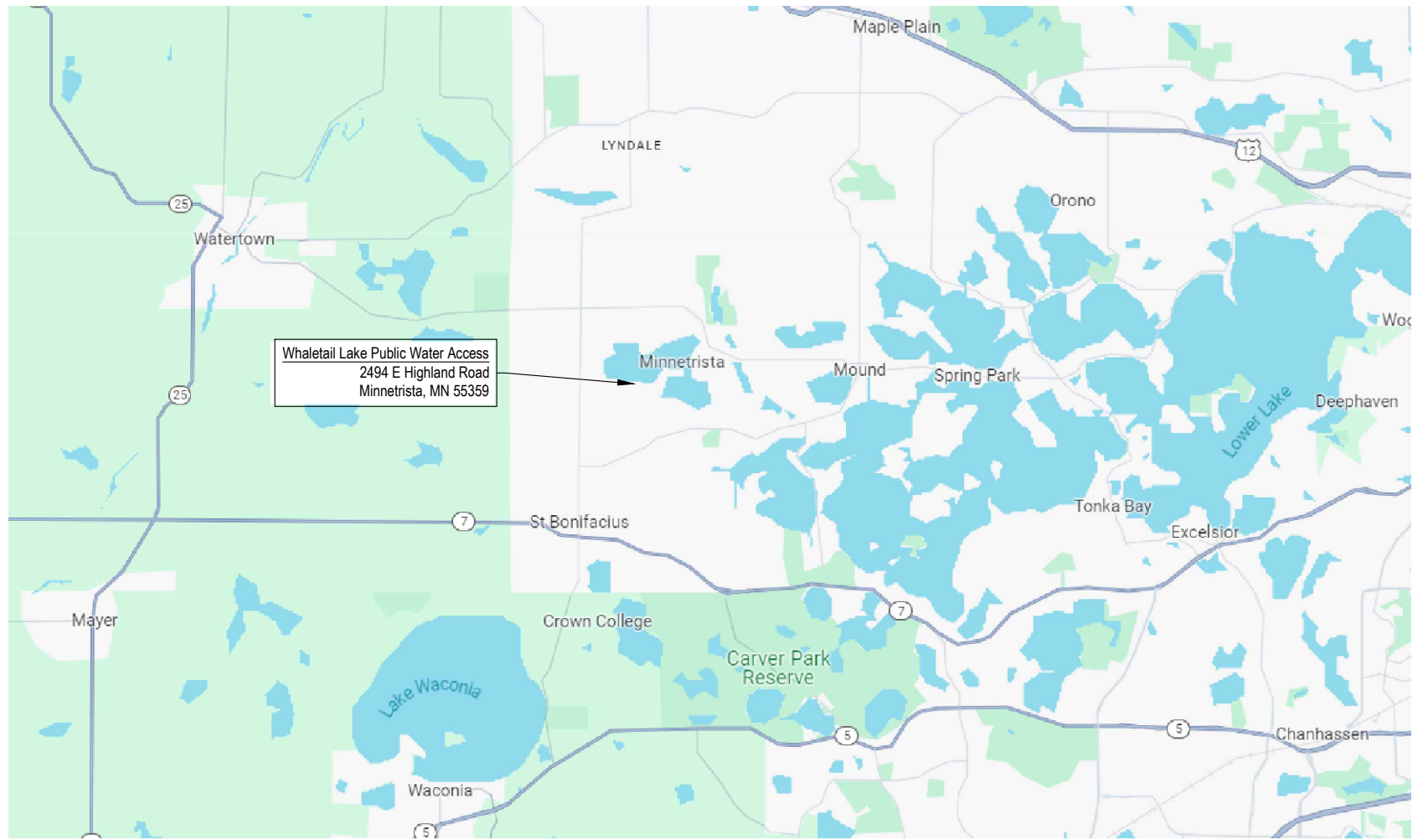
ALL NECESSARY EASEMENTS, PERMITS AND RIGHTS OF WAY FOR THE PROJECT SHALL BE SECURED BY THE OWNER OR SPONSOR BEFORE CONSTRUCTION WORK IS COMMENCED UNLESS OTHERWISE SPECIFIED.

VERIFY ALL DIMENSIONS AND LOCATIONS ON THE JOB. REPORT ALL DISCREPANCIES TO OPERATIONS SERVICES DIVISION.

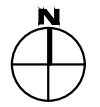
NO TREE CLEARING IS ALLOWED BETWEEN JUNE 1ST AND AUGUST 15TH.

DO NOT SCALE DRAWINGS.

Sheet Number	Sheet Title
L001	TITLE SHEET
L002	ESTIMATED SCHEDULE OF ITEMS
L003	TRAFFIC CONTROL PLAN
L100	REMOVALS PLAN
L101	SITE PLAN
L102	GRADING & EROSION CONTROL PLAN
L103	LANDSCAPE PLAN
L200	PARKING LOT PROFILE
L500	DETAILS
L501	DETAILS
L502	EROSION CONTROL BLANKET DETAIL
L503	PAVEMENT & CURB DETAILS
L504	ACCESSIBLE PARKING DETAILS
L505	WOOD SCREEN DETAIL
L506	TRENCH DRAIN DETAIL
L507	RAMP DETAILS
L508	PLANTING DETAILS
L509	PLANTING DETAILS
L510	PLANTING DETAILS



1 PROJECT LOCATION MAP



© Copyright 2025, State of Minnesota, Department of Natural Resources

Operations Services Division Approval

Division Approval



**PRELIMINARY
NOT FOR CONSTRUCTION
12-31-25**

**REDEVELOPMENT PLAN
WHALETAIL LAKE PUBLIC WATER ACCESS
PARKS AND TRAILS**

HENNEPIN COUNTY NEAR MINNETRISTA
Section: 20 Township: 117N Range: 24W

Revisions	
Date	By

TITLE SHEET			
Survey:	ME 02/24	Designed:	EMK 11/25
Drawn:	JH 02/24	Drawn:	EMK 11/25
Checked:	AD 02/24	Checked:	JHP 11/25
Horz. datum:	NAD1983.2011	Vert. datum:	NAVD1988

Sheet: **L001**
 CC2: 8A136
 File #: WAS00419.00.17.30
 Site #: ---

Bid Item No.	Specification Reference	Description	Unit	Quantity
1	01 20 00	Mobilization	LS	1.0
2	01 50 00	Traffic Control	LS	1.0
3	01 70 00	Construction Surveying and Staking	LS	1.0
4	02 41 00	Reclaim Full Depth Bituminous Pavement (P)	SY	2,640.0
5	02 41 18	Remove & Dispose of CMP Pipe & Appurtenances	LS	1.0
6	02 41 18	Remove & Dispose of Signs	LS	1.0
7	02 41 18	Remove & Dispose of Concrete Parking Curbs	LS	1.0
8	02 41 18	Remove & Dispose of Concrete Ramp	LS	1.0
9	31 11 00	Clearing & Grubbing	LS	1.0
10	31 23 00	Common Topsoil Borrow (LV)(O)	CY	40.0
11	31 23 00	Granular Borrow (LV)	CY	190.0
12	31 23 00	Excavation / Export (P)	CY	902.0
13	31 23 13	Subgrade Preparation	SY	562.0
14	31 25 00	Erosion Control Blanket, Natural Netting, Category 20	SY	1,180.0
15	31 25 00	Sediment Control Log, Type: Wood Chip, Natural Netting	LF	700.0
16	31 25 00	Floatation Silt Curtain	LS	1.0
17	31 25 00	Construction Exit	EA	1.0
18	31 25 00	Ditch Check, Type 3	EA	1.0
19	32 11 23	Aggregate Base: Class 5 (Imported) (O)	TON	80.0
20	32 12 16	Bituminous Type SP12.5 Non Wear Course 2B (2" Compacted Thickness)	SY	2,485.0
21	32 12 16	Bituminous Type SP9.5 Wear Course 2B (1.5" Compacted Thickness)	SY	2,485.0
22	32 13 13	Concrete Pavement: 6" depth reinforced	SF	3,007.0
23	32 13 13	Concrete Curb & Gutter Type: S512	LF	240.0
24	32 17 23	Pavement Markings	LS	1.0
25	32 31 29	Wood Toilet Screen	LS	1.0
26	32 92 00	Seed Mix & Establishment: BWSR Mix #33-261	SY	1,040.0
27	32 92 00	Low Maintenance Turf Seed Mix & Establishment	SY	140.0
28	32 93 00	Deciduous Trees, 1.5" Caliper, #15 Cont.	EA	7.0
29	33 41 00	Trench Drain	LS	1.0
30	34 41 14	Accessible Parking Sign and Post	EA	1.0
31	35 40 00	Marine Work	LS	1.0

LEGEND
(P) = PLAN QUANTITY
(LV) = LOOSE VOLUME
(CV) = COMPACTED VOLUME
(O) = OPTIONAL

NOTES
1. MULTIPLE MOBILIZATIONS FOR TEMPORARY SEEDING, PERMANENT SEEDING AND MULCHING WILL BE REQUIRED AND SHALL BE INCLUDED IN THE UNIT PRICE FOR THE APPROPRIATE BID ITEM. ADDITIONAL COMPENSATION FOR SEPARATE MOBILIZATIONS WILL NOT BE PROVIDED.
2. ALL EXCESS AND UNSUITABLE EXCAVATED MATERIAL TO BE HAULED OFF SITE AND DISPOSED OF PROPERTY. THIS IS PAID UNDER EXCAVATION/EXPORT AND EMBANKMENT.

1 ESTIMATED SCHEDULE OF ITEMS



**PRELIMINARY
NOT FOR CONSTRUCTION
12-31-25**

**REDEVELOPMENT PLAN
WHALETAIL LAKE PUBLIC WATER ACCESS
PARKS AND TRAILS**

HENNEPIN COUNTY NEAR MINNETRISTA
Section: 20 Township: 117N Range: 24W

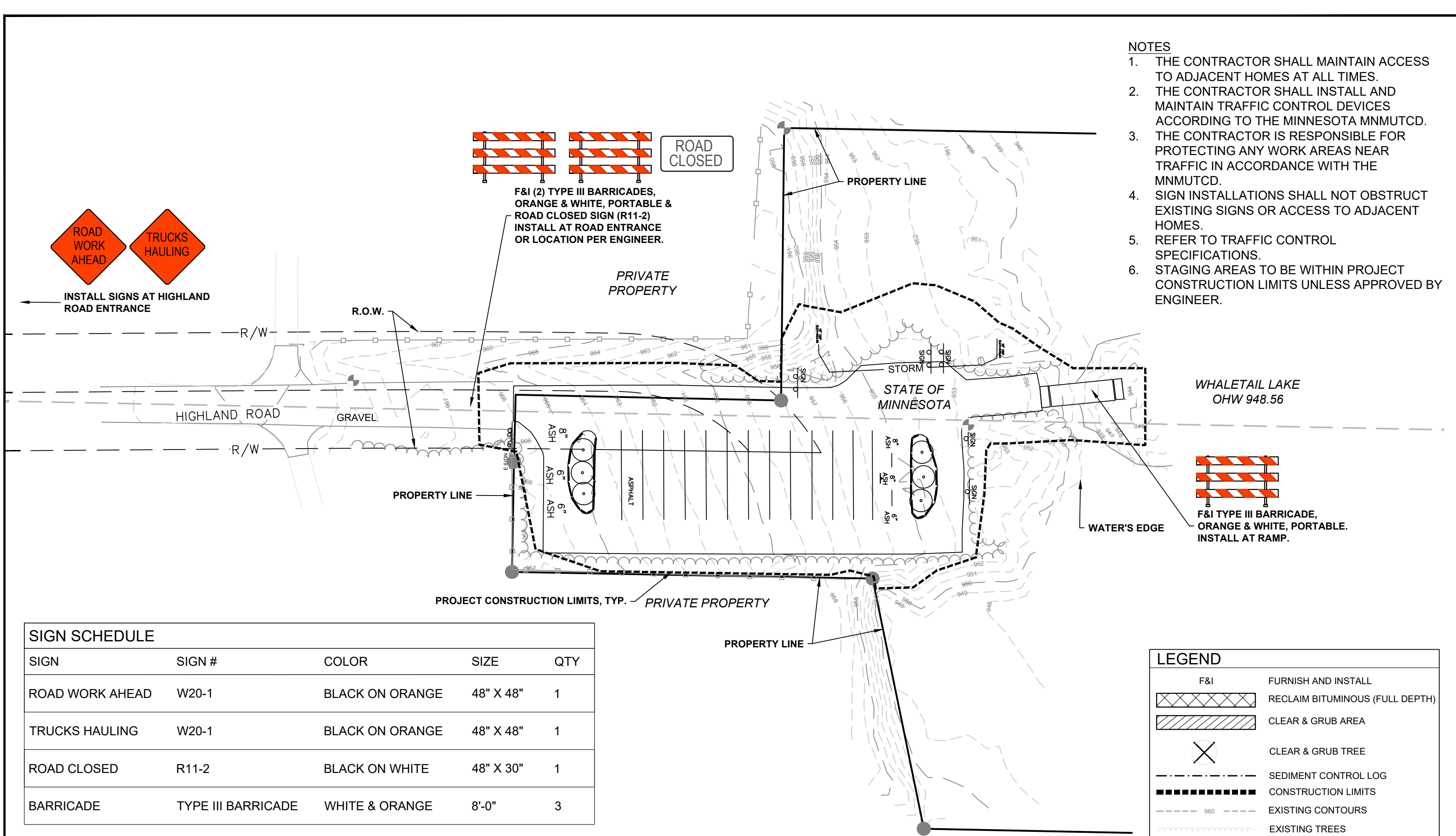
Revisions	
Date	By

ESTIMATED SCHEDULE OF ITEMS			
Survey:	ME 02/24	Designed:	EMK 11/25
Drawn:	JH 02/24	Drawn:	EMK 11/25
Checked:	AD 02/24	Checked:	JHP 11/25
Horz. datum:	NAD1983.2011	Vert. datum:	NAVD1988

Sheet: **L002**
CC2: 8A136
File #: WAS00419.00.17.30
Site #: ----

NOTES

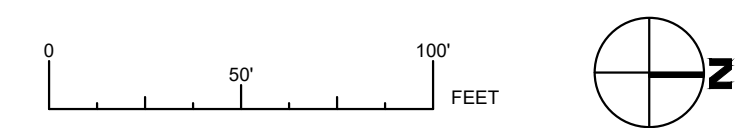
1. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ADJACENT HOMES AT ALL TIMES.
2. THE CONTRACTOR SHALL INSTALL AND MAINTAIN TRAFFIC CONTROL DEVICES ACCORDING TO THE MINNESOTA MNMUTCD.
3. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING ANY WORK AREAS NEAR TRAFFIC IN ACCORDANCE WITH THE MNMUTCD.
4. SIGN INSTALLATIONS SHALL NOT OBSTRUCT EXISTING SIGNS OR ACCESS TO ADJACENT HOMES.
5. REFER TO TRAFFIC CONTROL SPECIFICATIONS.
6. STAGING AREAS TO BE WITHIN PROJECT CONSTRUCTION LIMITS UNLESS APPROVED BY ENGINEER.



SIGN SCHEDULE				
SIGN	SIGN #	COLOR	SIZE	QTY
ROAD WORK AHEAD	W20-1	BLACK ON ORANGE	48" X 48"	1
TRUCKS HAULING	W20-1	BLACK ON ORANGE	48" X 48"	1
ROAD CLOSED	R11-2	BLACK ON WHITE	48" X 30"	1
BARRICADE	TYPE III BARRICADE	WHITE & ORANGE	8'-0"	3

LEGEND	
F&I	FURNISH AND INSTALL
	RECLAIM BITUMINOUS (FULL DEPTH)
	CLEAR & GRUB AREA
	CLEAR & GRUB TREE
	SEDIMENT CONTROL LOG
	CONSTRUCTION LIMITS
	EXISTING CONTOURS
	EXISTING TREES

1 TRAFFIC CONTROL PLAN



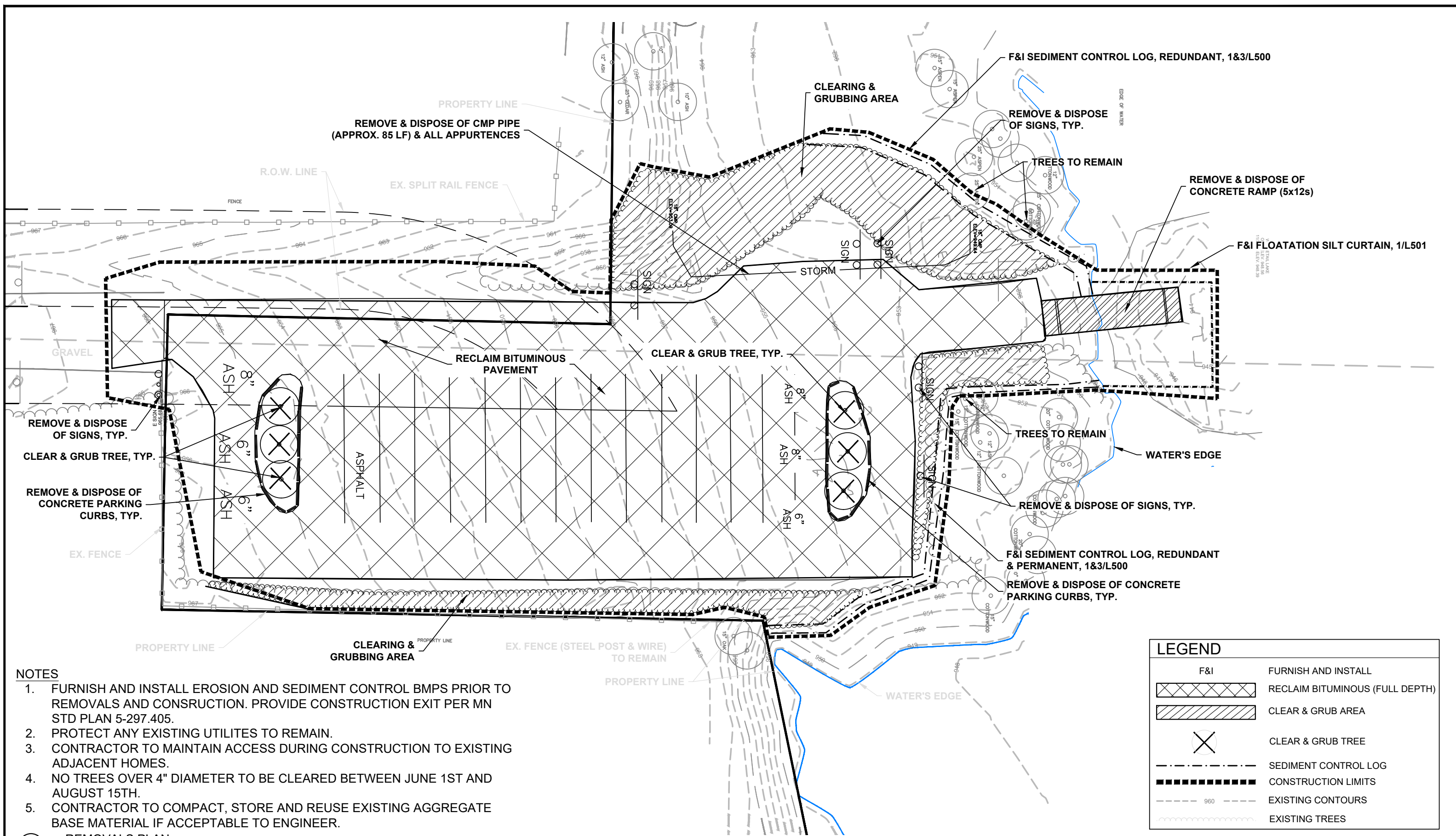
**PRELIMINARY
NOT FOR CONSTRUCTION
12-31-25**

**REDEVELOPMENT PLAN
WHALETAIL LAKE PUBLIC WATER ACCESS
PARKS AND TRAILS**

HENNEPIN COUNTY NEAR MINNETRISTA
Section: 20 Township: 117N Range: 24W

Revisions		Title:	
Date	By	TRAFFIC CONTROL PLAN	
		Survey:	ME 02/24 Designed: EMK 11/25
		Drawn:	JH 02/24 Drawn: EMK 11/25
		Checked:	AD 02/24 Checked: JHP 11/25
		Horz. datum:	NAD1983.2011
		Vert. datum:	NAVD1988

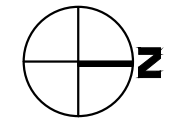
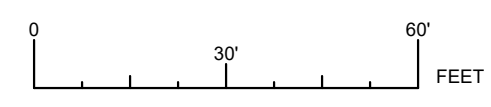
Sheet: **L003**
CC2: 8A136
File #: WAS00419.00.17.30
Site #: ---



- NOTES**
1. FURNISH AND INSTALL EROSION AND SEDIMENT CONTROL BMPs PRIOR TO REMOVALS AND CONSTRUCTION. PROVIDE CONSTRUCTION EXIT PER MN STD PLAN 5-297.405.
 2. PROTECT ANY EXISTING UTILITIES TO REMAIN.
 3. CONTRACTOR TO MAINTAIN ACCESS DURING CONSTRUCTION TO EXISTING ADJACENT HOMES.
 4. NO TREES OVER 4" DIAMETER TO BE CLEARED BETWEEN JUNE 1ST AND AUGUST 15TH.
 5. CONTRACTOR TO COMPACT, STORE AND REUSE EXISTING AGGREGATE BASE MATERIAL IF ACCEPTABLE TO ENGINEER.

1 REMOVALS PLAN

LEGEND	
F&I	FURNISH AND INSTALL
	RECLAIM BITUMINOUS (FULL DEPTH)
	CLEAR & GRUB AREA
	CLEAR & GRUB TREE
	SEDIMENT CONTROL LOG
	CONSTRUCTION LIMITS
	EXISTING CONTOURS
	EXISTING TREES



**PRELIMINARY
NOT FOR CONSTRUCTION
12-31-25**

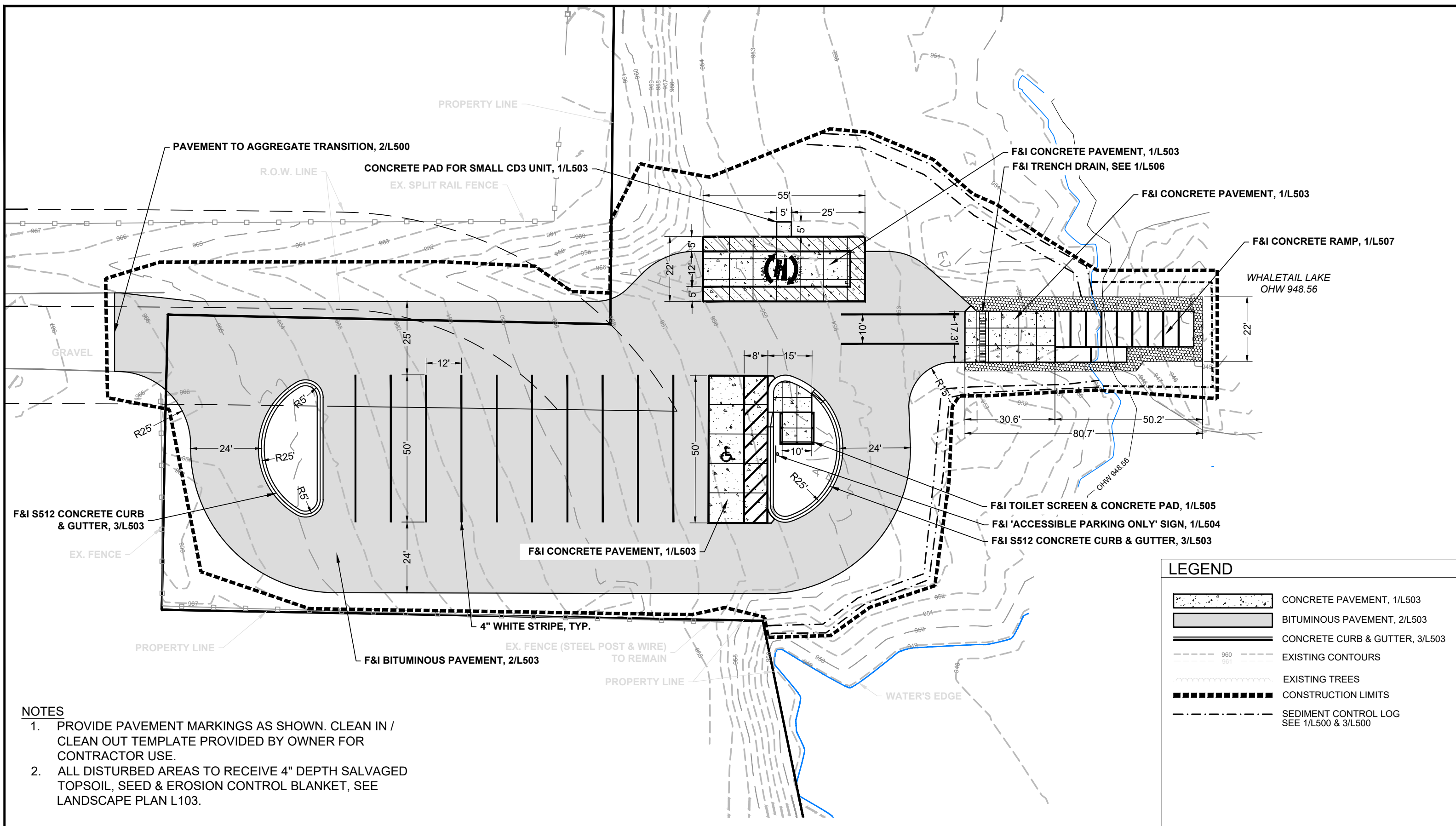
**REDEVELOPMENT PLAN
WHALETAIL LAKE PUBLIC WATER ACCESS
PARKS AND TRAILS**

HENNEPIN COUNTY NEAR MINNETRISTA
Section: 20 Township: 117N Range: 24W

Revisions	
Date	By

REMOVALS PLAN			
Survey:	ME 02/24	Designed:	EMK 11/25
Drawn:	JH 02/24	Drawn:	EMK 11/25
Checked:	AD 02/24	Checked:	JHP 11/25
Horz. datum:	NAD1983.2011	Vert. datum:	NAVD1988

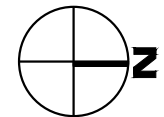
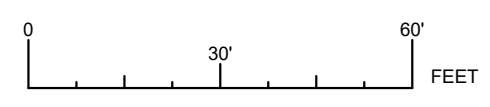
Sheet: **L100**
 CC2: 8A136
 File #: WAS00419.00.17.30
 Site #: ---



- NOTES**
1. PROVIDE PAVEMENT MARKINGS AS SHOWN. CLEAN IN / CLEAN OUT TEMPLATE PROVIDED BY OWNER FOR CONTRACTOR USE.
 2. ALL DISTURBED AREAS TO RECEIVE 4" DEPTH SALVAGED TOPSOIL, SEED & EROSION CONTROL BLANKET, SEE LANDSCAPE PLAN L103.

LEGEND	
	CONCRETE PAVEMENT, 1/L503
	BITUMINOUS PAVEMENT, 2/L503
	CONCRETE CURB & GUTTER, 3/L503
	EXISTING CONTOURS
	EXISTING TREES
	CONSTRUCTION LIMITS
	SEDIMENT CONTROL LOG SEE 1/L500 & 3/L500

1 SITE PLAN



**PRELIMINARY
NOT FOR CONSTRUCTION
12-31-25**

**REDEVELOPMENT PLAN
WHALETAIL LAKE PUBLIC WATER ACCESS
PARKS AND TRAILS**

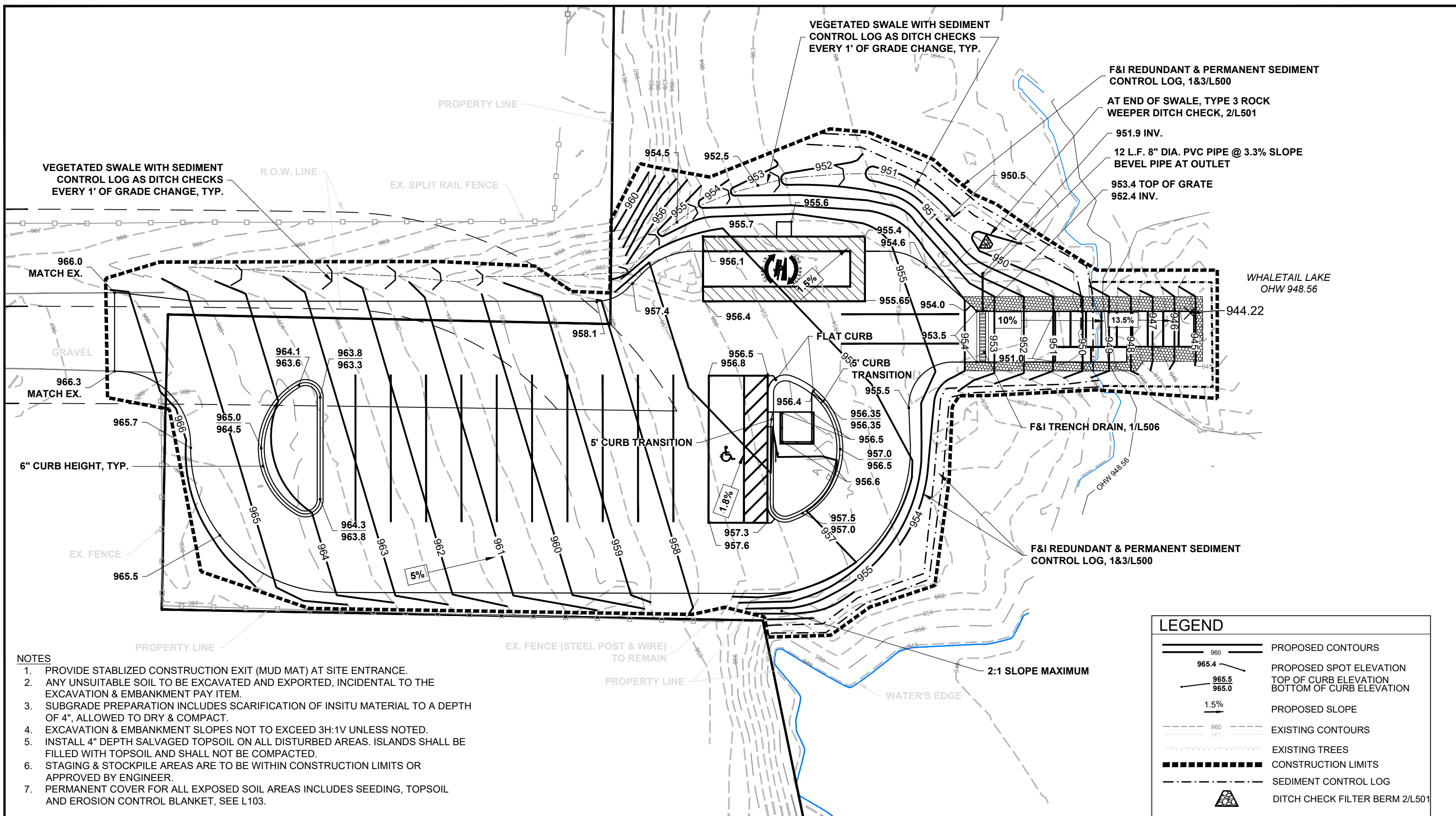
HENNEPIN COUNTY NEAR MINNETRISTA
Section: 20 Township: 117N Range: 24W

Revisions	
Date	By

SITE PLAN			
Survey:	ME 02/24	Designed:	EMK 11/25
Drawn:	JH 02/24	Drawn:	EMK 11/25
Checked:	AD 02/24	Checked:	JHP 11/25
Horz. datum:	NAD1983.2011	Vert. datum:	NAVD1988

Sheet:	L101
CC2:	8A136
File #:	WAS00419.00.17.30
Site #:	---

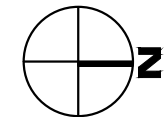
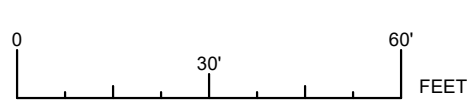
© Copyright 2025, State of Minnesota, Department of Natural Resources



- NOTES**
1. PROVIDE STABILIZED CONSTRUCTION EXIT (MUD MAT) AT SITE ENTRANCE.
 2. ANY UNSUITABLE SOIL TO BE EXCAVATED AND EXPORTED, INCIDENTAL TO THE EXCAVATION & EMBANKMENT PAY ITEM.
 3. SUBGRADE PREPARATION INCLUDES SCARIFICATION OF INSITU MATERIAL TO A DEPTH OF 4", ALLOWED TO DRY & COMPACT.
 4. EXCAVATION & EMBANKMENT SLOPES NOT TO EXCEED 3H:1V UNLESS NOTED.
 5. INSTALL 4" DEPTH SALVAGED TOPSOIL ON ALL DISTURBED AREAS. ISLANDS SHALL BE FILLED WITH TOPSOIL AND SHALL NOT BE COMPACTED.
 6. STAGING & STOCKPILE AREAS ARE TO BE WITHIN CONSTRUCTION LIMITS OR APPROVED BY ENGINEER.
 7. PERMANENT COVER FOR ALL EXPOSED SOIL AREAS INCLUDES SEEDING, TOPSOIL AND EROSION CONTROL BLANKET, SEE L103.

LEGEND	
	PROPOSED CONTOURS
	PROPOSED SPOT ELEVATION
	TOP OF CURB ELEVATION
	BOTTOM OF CURB ELEVATION
	PROPOSED SLOPE
	EXISTING CONTOURS
	EXISTING TREES
	CONSTRUCTION LIMITS
	SEDIMENT CONTROL LOG
	DITCH CHECK FILTER BERM 2/L501

1 GRADING AND EROSION CONTROL PLAN



**PRELIMINARY
NOT FOR CONSTRUCTION
12-31-25**

**REDEVELOPMENT PLAN
WHALETAIL LAKE PUBLIC WATER ACCESS
PARKS AND TRAILS**

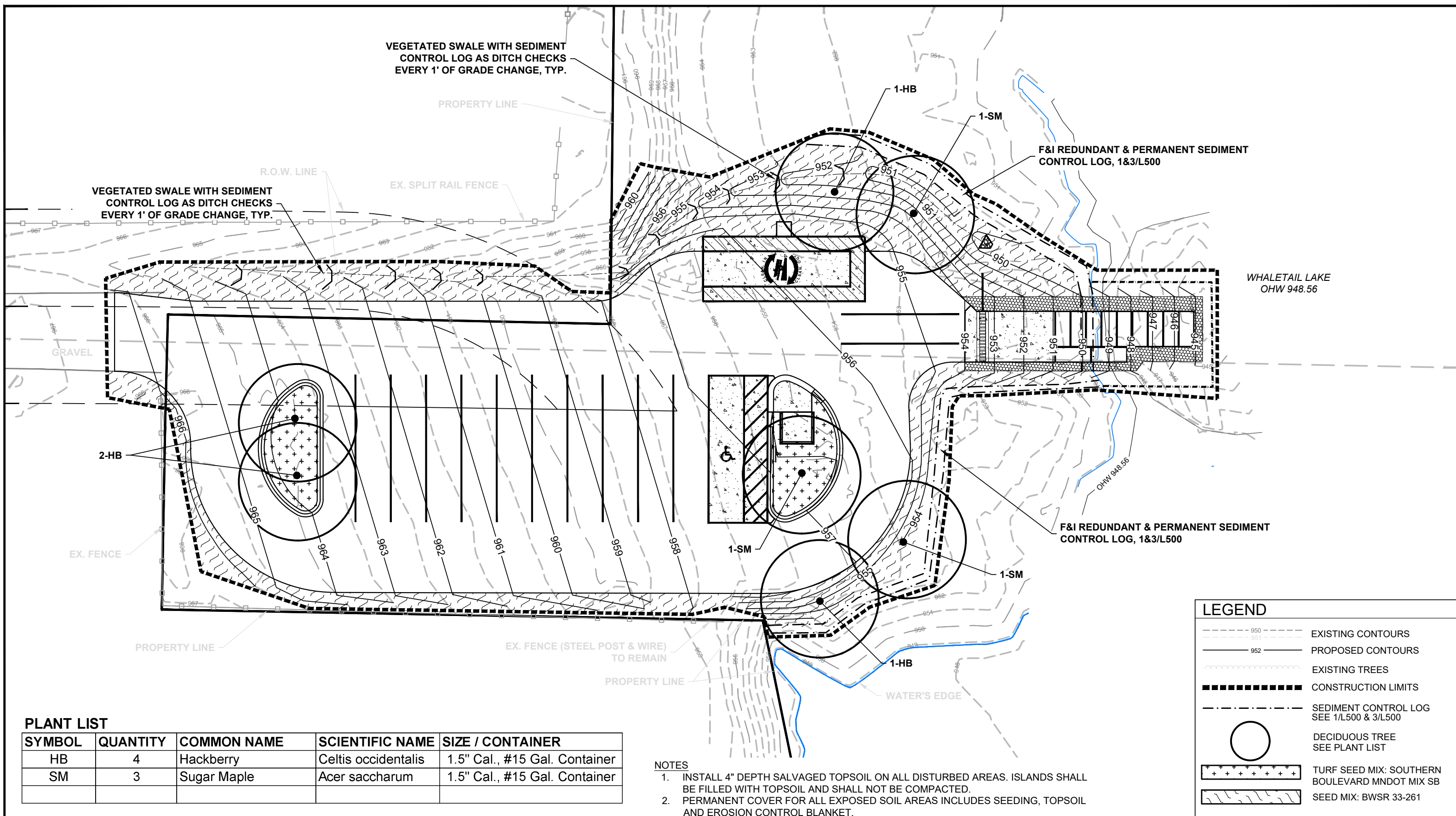
HENNEPIN COUNTY NEAR MINNETRISTA
Section: 20 Township: 117N Range: 24W

Revisions	
Date	By

Title: **GRADING & EROSION CONTROL PLAN**

Survey: ME 02/24 Designed: EMK 11/25
 Drawn: JH 02/24 Drawn: EMK 11/25
 Checked: AD 02/24 Checked: JHP 11/25
 Horiz. datum: NAD1983.2011 ADJ. datum: NAVD1988

Sheet: **L102**
 CC2: 8A136
 File #: WAS00419.00.17.30
 Site #: ---



PLANT LIST

SYMBOL	QUANTITY	COMMON NAME	SCIENTIFIC NAME	SIZE / CONTAINER
HB	4	Hackberry	<i>Celtis occidentalis</i>	1.5" Cal., #15 Gal. Container
SM	3	Sugar Maple	<i>Acer saccharum</i>	1.5" Cal., #15 Gal. Container

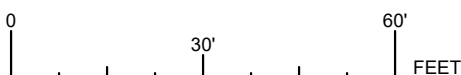
NOTES

1. INSTALL 4" DEPTH SALVAGED TOPSOIL ON ALL DISTURBED AREAS. ISLANDS SHALL BE FILLED WITH TOPSOIL AND SHALL NOT BE COMPACTED.
2. PERMANENT COVER FOR ALL EXPOSED SOIL AREAS INCLUDES SEEDING, TOPSOIL AND EROSION CONTROL BLANKET.

LEGEND

- 950 EXISTING CONTOURS
- 952 PROPOSED CONTOURS
- EXISTING TREES
- CONSTRUCTION LIMITS
- SEDIMENT CONTROL LOG SEE 1/L500 & 3/L500
- DECIDUOUS TREE SEE PLANT LIST
- TURF SEED MIX: SOUTHERN BOULEVARD MNDOT MIX SB
- SEED MIX: BWSR 33-261

1 LANDSCAPE PLAN



**PRELIMINARY
NOT FOR CONSTRUCTION
12-31-25**

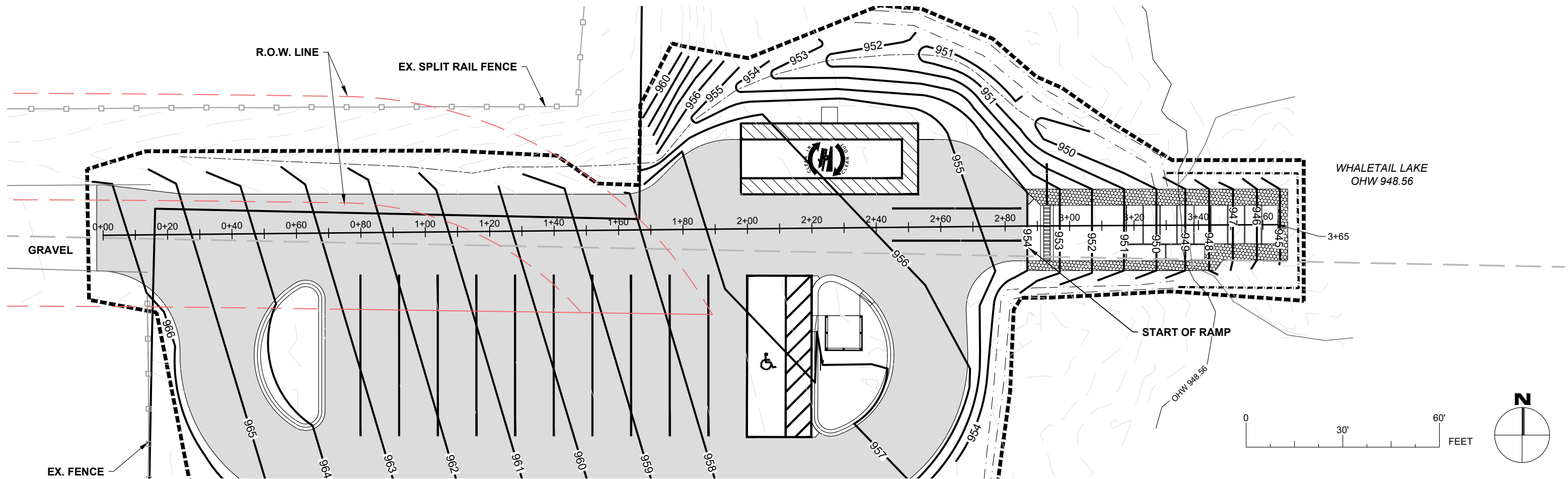
**REDEVELOPMENT PLAN
WHALETAIL LAKE PUBLIC WATER ACCESS
PARKS AND TRAILS**

HENNEPIN COUNTY NEAR MINNETRISTA
Section: 20 Township: 117N Range: 24W

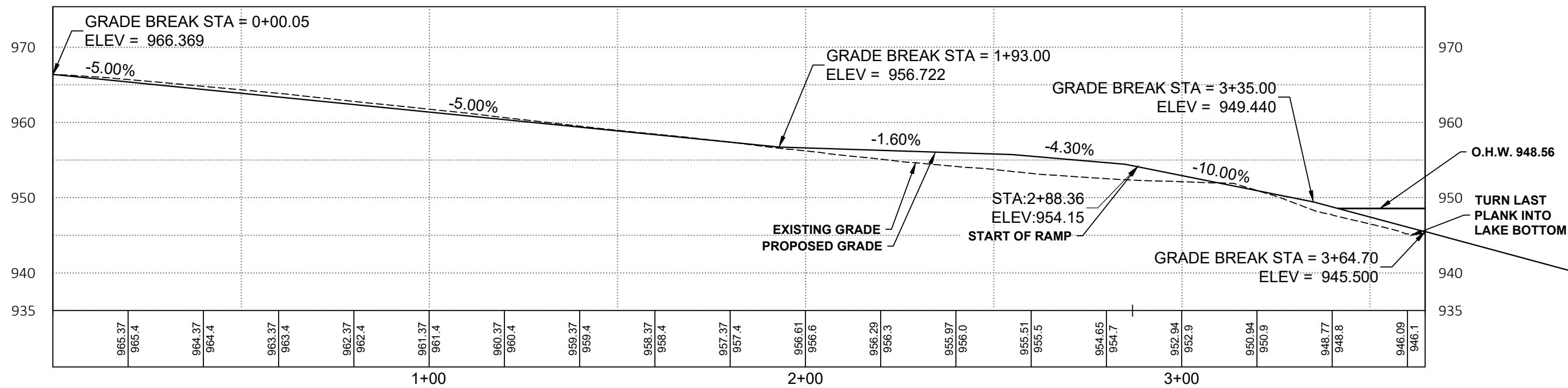
Revisions	
Date	By

LANDSCAPE PLAN			
Survey:	ME 02/24	Designed:	EMK 11/25
Drawn:	JH 02/24	Drawn:	EMK 11/25
Checked:	AD 02/24	Checked:	JHP 11/25
Horz. datum:	NAD1983.2011	Vert. datum:	NAVD1988

Sheet: **L103**
 CC2: 8A136
 File #: WAS00419.00.17.30
 Site #: ---



PLAN VIEW

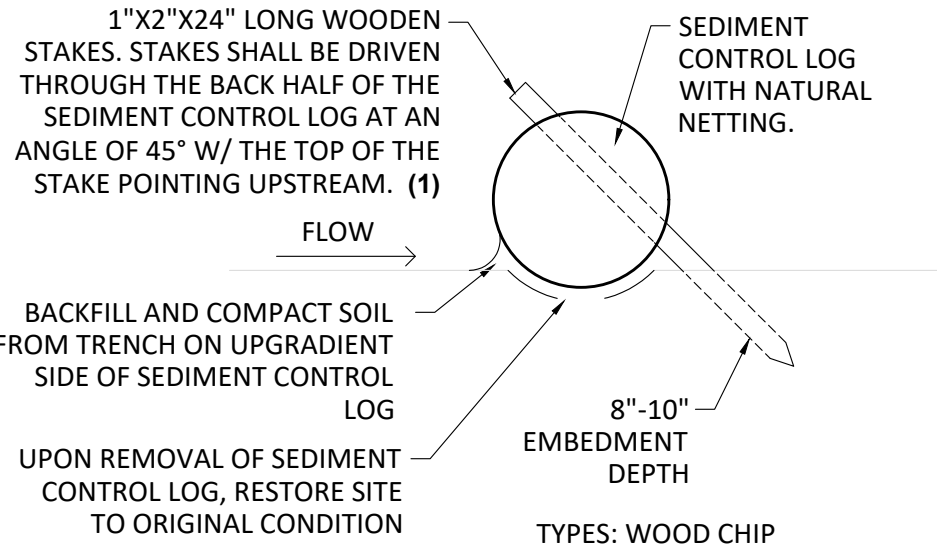


PROFILE VIEW

1 PARKING LOT AND RAMP PROFILE

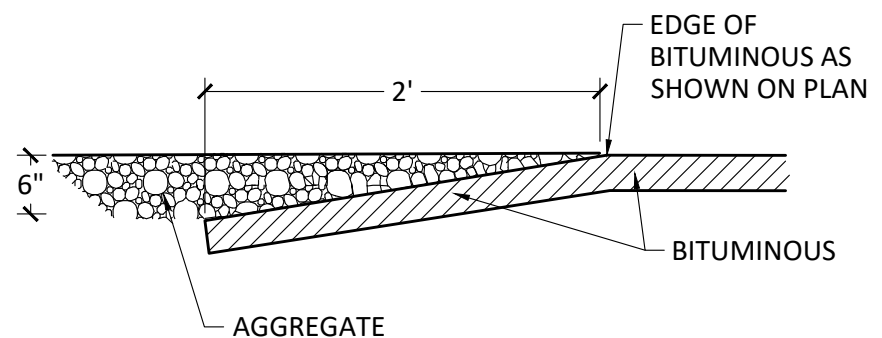
© Copyright 2025, State of Minnesota, Department of Natural Resources

	PRELIMINARY NOT FOR CONSTRUCTION 12-31-25	REDEVELOPMENT PLAN WHALETAIL LAKE PUBLIC WATER ACCESS PARKS AND TRAILS	Revisions Date By	Title: PARKING LOT PROFILE	Sheet: L200 CC2: 8A136 File #: WAS00419.00.17.30 Site #: ---
	HENNEPIN COUNTY NEAR MINNETRISTA Section: 20 Township: 117N Range: 24W	Survey: ME 02/24 Designed: EMK 11/25 Drawn: JH 02/24 Drawn: EMK 11/25 Checked: AD 02/24 Checked: JHP 11/25 Horiz. datum: NAD1983.2011 Vert. datum: NAVD1988			

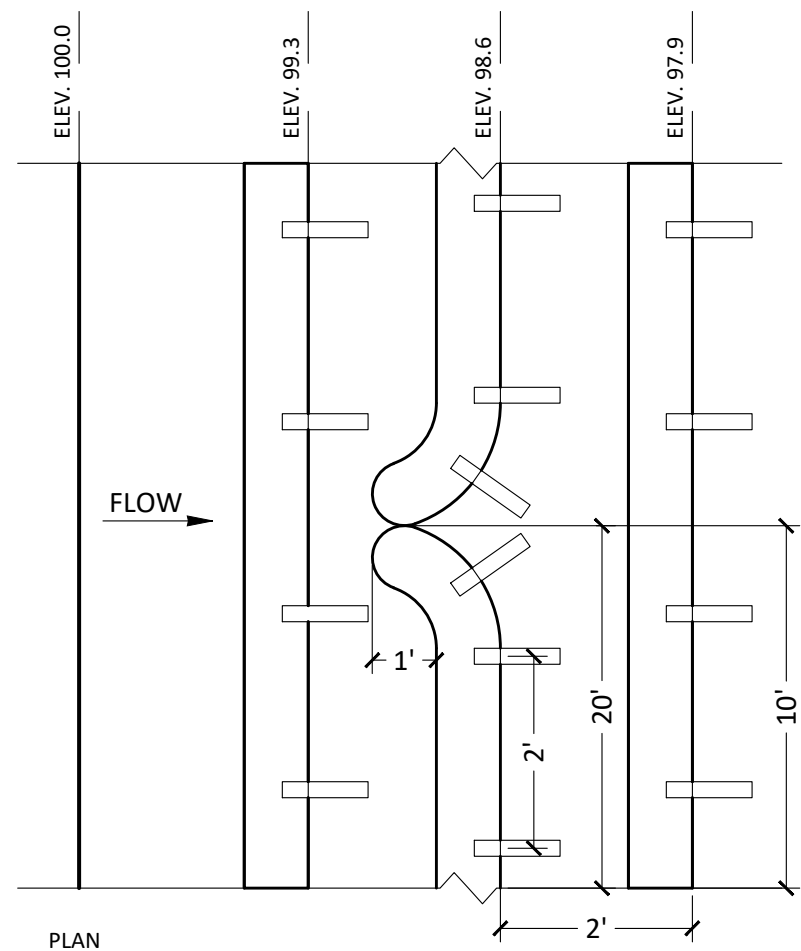


- NOTES:
- (1) SPACE BETWEEN STAKES SHALL BE A MAXIMUM OF 2'. STAKES SHALL BE INCIDENTAL.
 2. PLACE STAKES AS NEEDED TO PREVENT MOVEMENT OF SEDIMENT CONTROL LOGS PLACED ON SLOPES OR AS NEEDED DUE TO OTHER FACTORS. STAKES SHALL BE INCIDENTAL.

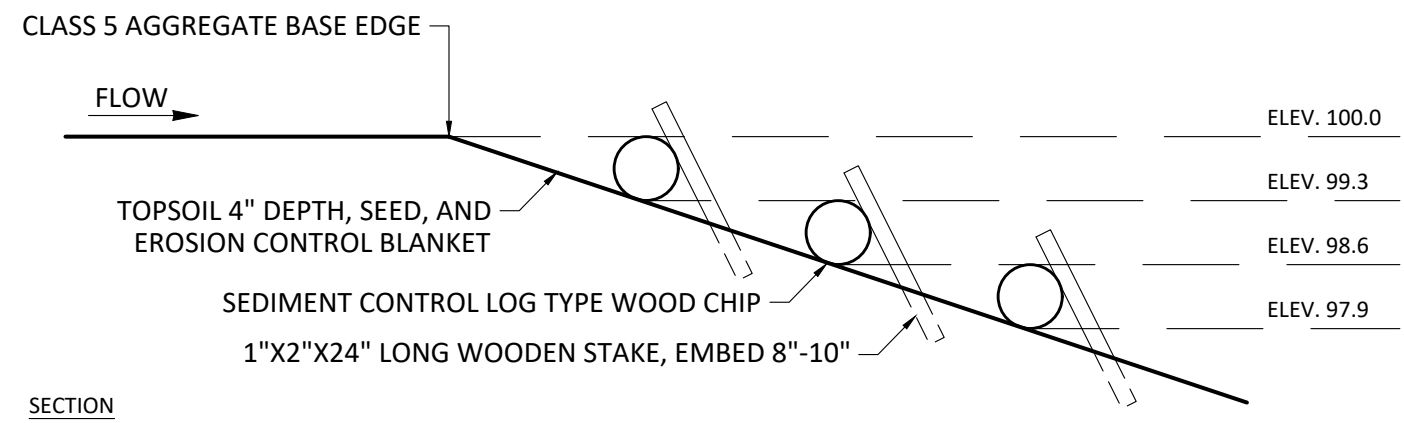
1 SEDIMENT CONTROL LOG



2 ASPHALT PAVEMENT TO AGGREGATE ROAD TRANSITION



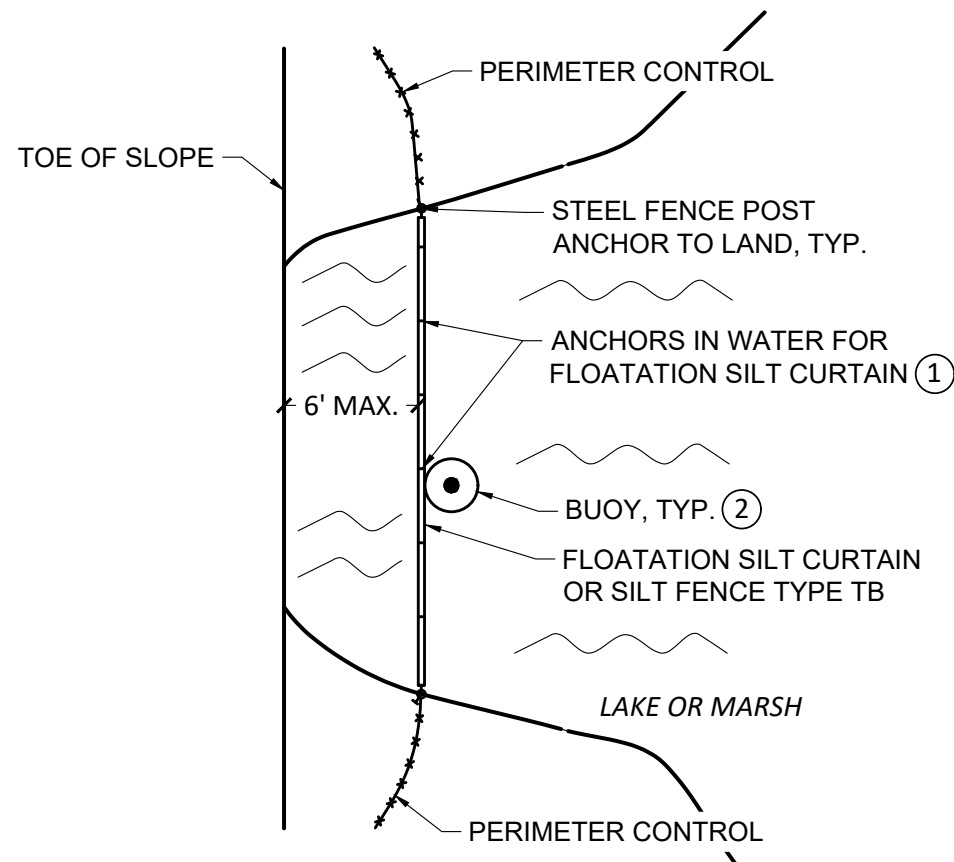
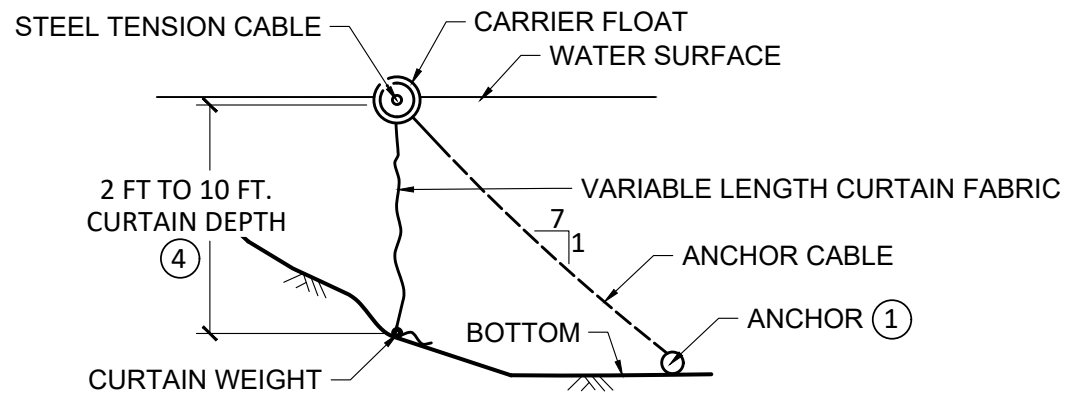
- NOTES:
- SEDIMENT CONTROL LOG TYPE WOOD CHIP WITH NATURAL NETTING ONLY
 - FILTRATION BMP IS PERMANENT AND TO REMAIN IN PLACE AT THE END OF CONSTRUCTION



3 FILTRATION BMP: PERMANENT SEDIMENT CONTROL LOG

© Copyright 2025, State of Minnesota, Department of Natural Resources

<p>DEPARTMENT OF NATURAL RESOURCES</p>	<p>PRELIMINARY NOT FOR CONSTRUCTION 12-31-25</p>	<p>REDEVELOPMENT PLAN</p> <p>WHALETAIL LAKE PUBLIC WATER ACCESS</p> <p>PARKS AND TRAILS</p>		<p>Revisions</p> <table border="1"> <thead> <tr> <th>Date</th> <th>By</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </tbody> </table>		Date	By									<p>DETAILS</p> <table border="1"> <thead> <tr> <th>Survey:</th> <th>ME 02/24</th> <th>Designed:</th> <th>EMK 11/25</th> </tr> </thead> <tbody> <tr> <td>Drawn:</td> <td>JH 02/24</td> <td>Drawn:</td> <td>EMK 11/25</td> </tr> <tr> <td>Checked:</td> <td>AD 02/24</td> <td>Checked:</td> <td>JHP 11/25</td> </tr> <tr> <td>Horz. datum:</td> <td>NAD1983.2011</td> <td>Vert. datum:</td> <td>NAVD1988</td> </tr> </tbody> </table>		Survey:	ME 02/24	Designed:	EMK 11/25	Drawn:	JH 02/24	Drawn:	EMK 11/25	Checked:	AD 02/24	Checked:	JHP 11/25	Horz. datum:	NAD1983.2011	Vert. datum:	NAVD1988	<p>Sheet: L500</p> <p>CC2: 8A136</p> <p>File #: WAS00419.00.17.30</p> <p>Site #: ---</p>
		Date	By																															
Survey:	ME 02/24	Designed:	EMK 11/25																															
Drawn:	JH 02/24	Drawn:	EMK 11/25																															
Checked:	AD 02/24	Checked:	JHP 11/25																															
Horz. datum:	NAD1983.2011	Vert. datum:	NAVD1988																															
<p>HENNEPIN COUNTY NEAR MINNETRISTA</p> <p>Section: 20 Township: 117N Range: 24W</p>		<p> </p>																																



PLAN VIEW FOR LAKE OR MARSH (4)

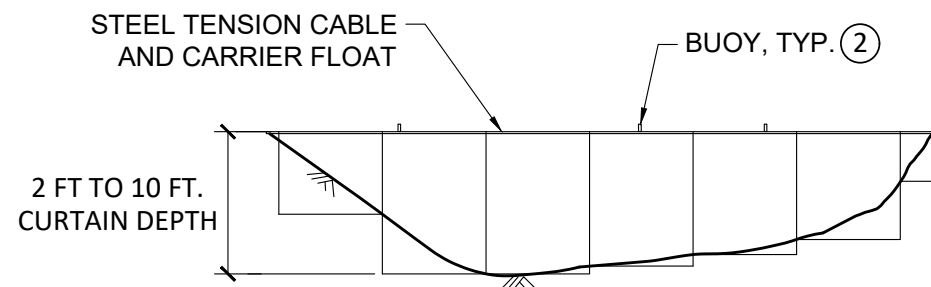
NOTES

SEE MNDOT SPECS 2573, 3886, 3887, 3893.

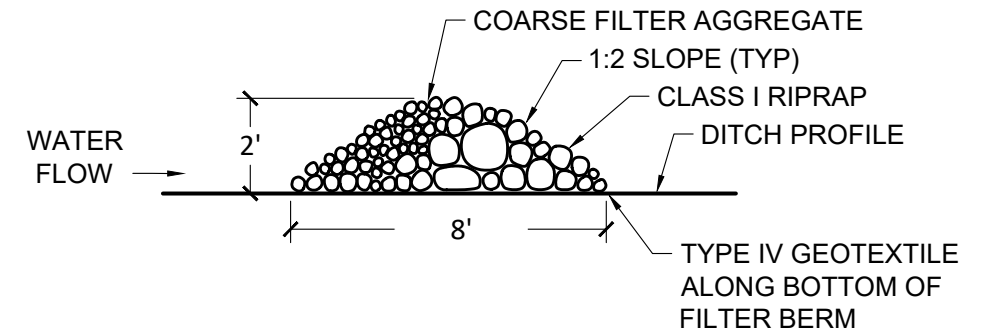
1. FOR ANCHOR SPACING AND WEIGHT REQUIREMENTS, SEE SPEC. 2573.
2. ON U.S. COAST GUARD OR OTHER MOTORIZED WATERWAYS, BUOYS ARE REQUIRED TO MARK THE ENDS AND SPECIAL AREAS FOR VISIBILITY. PLACE BUOYS AS REQUIRED FOR NAVIGATIONAL PURPOSES.
3. MINIMUM WATER DEPTH APPLIES TO THE DEEPEST POINT ALONG THE FLOATATION SILT CURTAIN OR SILT FENCE TYPE TB FOR DETERMINING APPLICABILITY OF FLOATATION SILT CURTAIN OR SILT FENCE TYPE TB.
4. SILT CURTAIN SHOULD BE REMOVED WHEN THE AREA CONTRIBUTING DIRECT RUNOFF HAS BEEN TEMPORARILY OR PERMANENTLY STABLIZED. SILT CURTAIN SHOULD ALSO BE REMOVED BEFORE WINTER IF ICE UP OR ICE FLOW IS ANTICIPATED.
5. ANCHOR FLOAT MUST BE CONNECTED SECURELY TO SLEEVE WITH A MINIMUM TENSILE STRENGTH OF 100 LBS. CONNECTION METHOD MUST ALLOW FOR SLEEVE TO MOVE FREELY ON POST.
6. PROVIDE SUFFICIENT NUMBER OF POST ANCHORS TO MAINTAIN SILT CURTAIN POSITION.

INSTALLATION GUIDELINES FOR FLOATATION SILT CURTAIN, TYPE: STILL WATER

MINIMUM WATER DEPTH: 3 FT.
 MAXIMUM WATER DEPTH: 10 FT.
 MAXIMUM WATER VELOCITY: 2 FT./SEC.
 MAXIMUM WAVE HEIGHT: 1 FT.



FRONT VIEW FOR FLOTATION SILT CURTAIN



(2) ROCK WEEPER FILTER BERM, TYPE 3

1 FLOTATION SILT CURTAIN, TYPE: STILLWATER



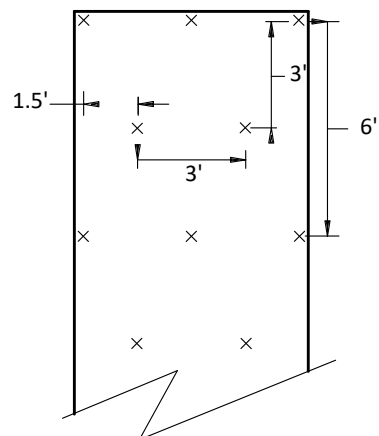
**PRELIMINARY
 NOT FOR CONSTRUCTION
 12-31-25**

**REDEVELOPMENT PLAN
 WHALETAIL LAKE PUBLIC WATER ACCESS
 PARKS AND TRAILS**
 HENNEPIN COUNTY NEAR MINNETRISTA
 Section: 20 Township: 117N Range: 24W

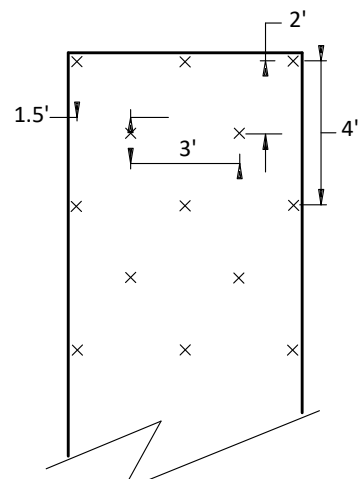
Revisions	
Date	By

DETAILS			
Survey:	ME 02/24	Designed:	EMK 11/25
Drawn:	JH 02/24	Drawn:	EMK 11/25
Checked:	AD 02/24	Checked:	JHP 11/25
Horz. datum:	NAD1983.2011	Vert. datum:	NAVD1988

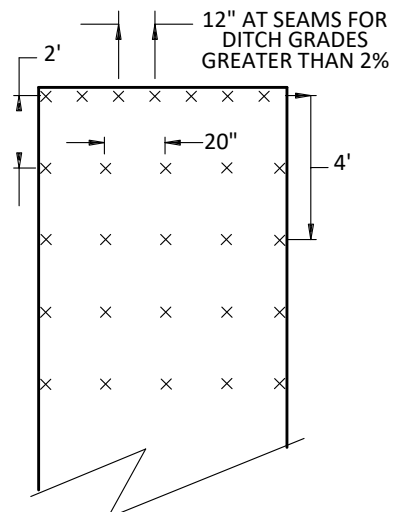
Sheet: **L501**
 CC2: 8A136
 File #: WAS00419.00.17.30
 Site #: ---



SLOPES FLATTER THAN 1:2
(120 STAPLES PER 100 SQ YD)

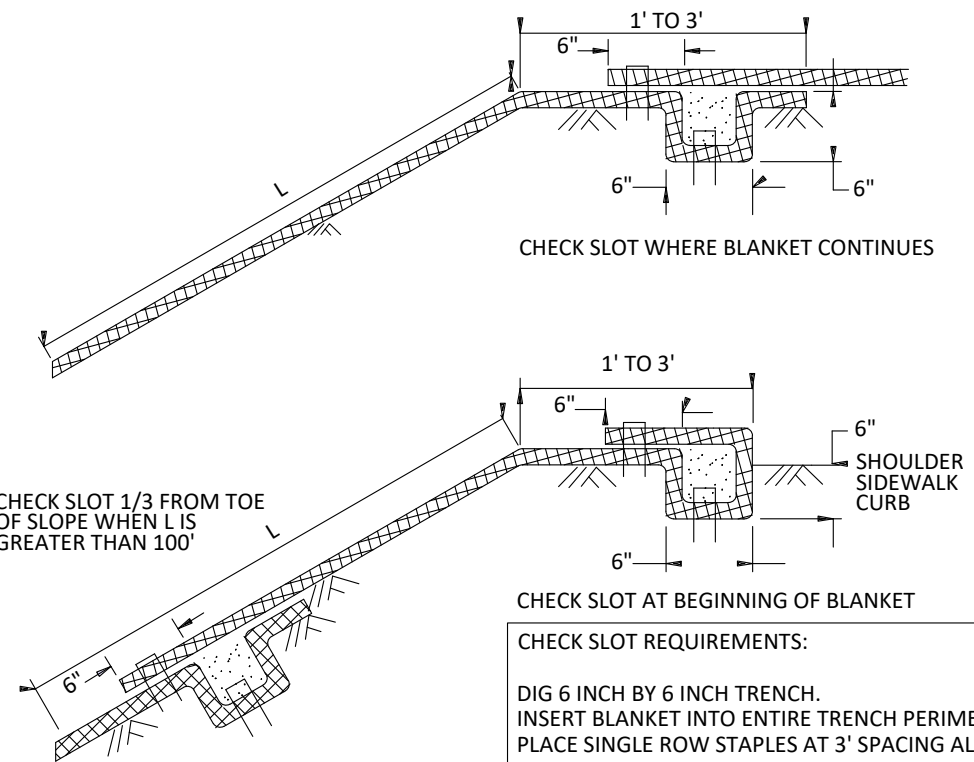


SLOPES 1:2 TO 1:1
(170 STAPLES PER 100 SQ YD)



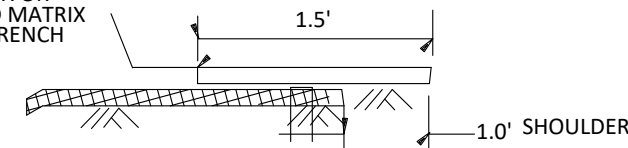
CHANNEL AND DITCH APPLICATIONS
(350 STAPLES PER 100 SQ YD)

BLANKET STAPLE PATTERN

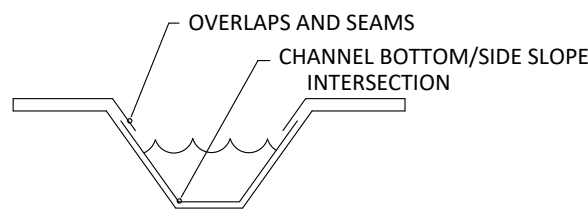


CHECK SLOT REQUIREMENTS:
DIG 6 INCH BY 6 INCH TRENCH. INSERT BLANKET INTO ENTIRE TRENCH PERIMETER. PLACE SINGLE ROW STAPLES AT 3' SPACING ALONG THE BOTTOM OF THE TRENCH. BACKFILL TRENCH WITH SOIL AND TAMP. PLACE SINGLE ROW STAPLES AT 3' SPACING ON OVERLAP.

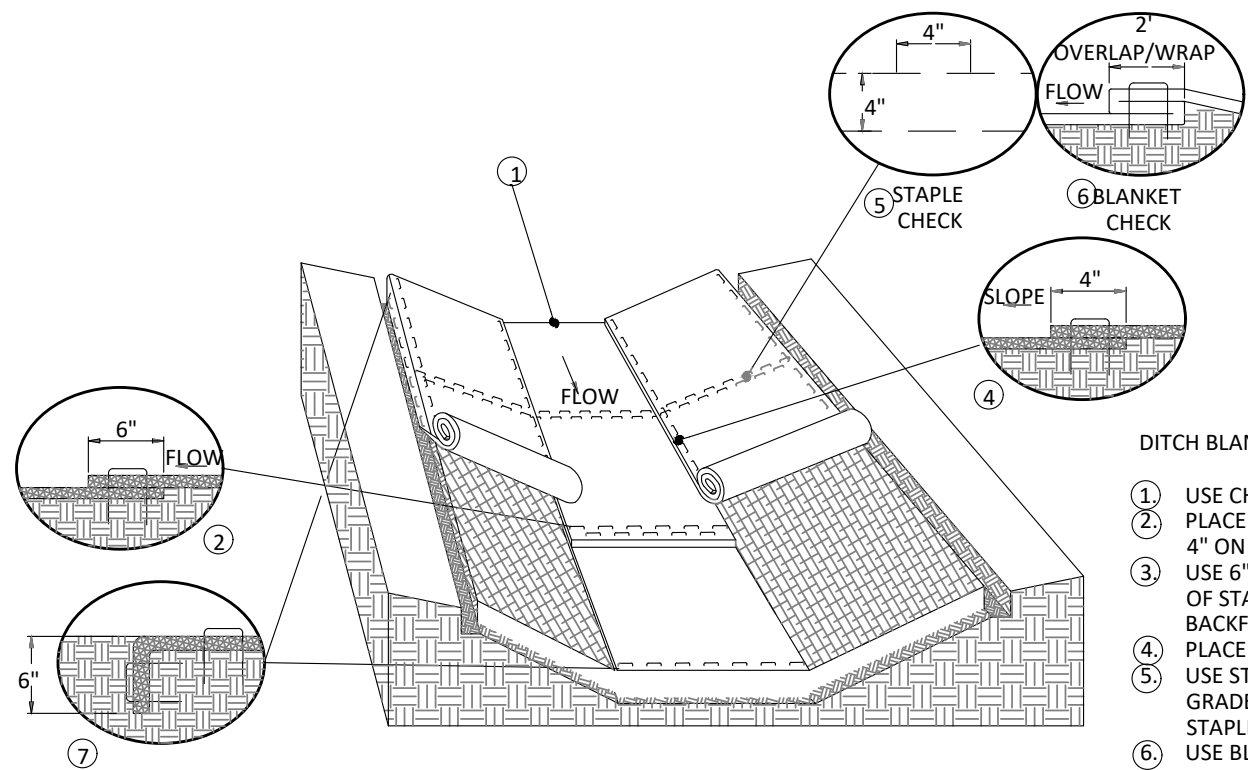
HYDRAULIC BONDED FIBER MATRIX OR REINFORCED MATRIX IN LIEU OF TRENCH



CHECK SLOT ALTERNATIVE
PLACE SINGLE ROW STAPLES AT 12" SPACING
CHECK SLOT DETAILS



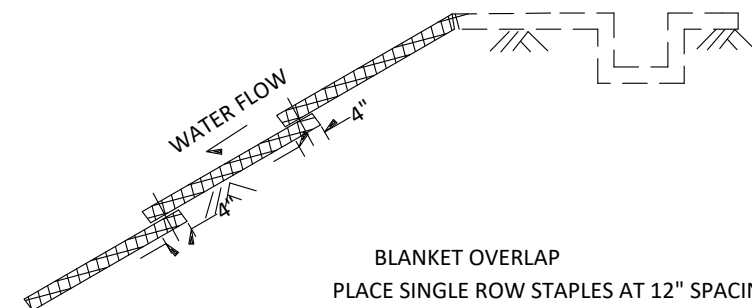
DITCH BLANKET CRITICAL POINTS ⑦



DITCH BLANKET STAPLE DETAIL

DITCH BLANKET STAPLE DETAIL NOTES

- ① USE CHECK SLOT DETAIL (NO ALTERNATES).
- ② PLACE DOUBLE ROW OF STAPLES STAGGERED 4" APART AND 4" ON CENTER.
- ③ USE 6" X 6" TRENCH TO PLACE BLANKET. PLACE SINGLE ROW OF STAPLES ON TOP AND TRENCH SIDES AT 12" SPACING. BACKFILL TRENCH WITH SOIL AND TAMP.
- ④ PLACE SINGLE ROW OF STAPLES AT 12" SPACING.
- ⑤ USE STAPLE CHECK FOR CHANNEL SLOPES LESS THAN 2.5% GRADE AT 100 FOOT INTERVALS. PLACE DOUBLE ROW OF STAPLES STAGGERED 4" APART AND AT 4" SPACING.
- ⑥ USE BLANKET CHECKS FOR THE FOLLOWING SLOPES: 2.5%-3% 100 FT INTERVALS, 3%-5% 50 FT INTERVALS, 5%-7% 25 FT INTERVALS
- ⑦ CRITICAL POINTS SHALL BE SECURED WITH PROPER STAPLE PATTERNS.



BLANKET OVERLAP
PLACE SINGLE ROW STAPLES AT 12" SPACING

GENERAL BLANKET INSTALLATION REQUIREMENTS
LAY PARALLEL OR PERPENDICULAR TO THE DIRECTION OF WATER FLOW. OVERLAP ADJACENT STRIP EDGES A MINIMUM OF 4 INCHES. OVERLAP BLANKET 6" (MIN.) AT EACH END. OVERLAP BOTTOM END OF UPPER BLANKET OVER TOP END OF LOWER BLANKET. STAPLE ALONG OVERLAP EVERY 1.5'. THE UPPERMOST BLANKET OF ALL SLOPE APPLICATIONS MUST START IN A CHECK SLOT. IF SLOPE LENGTH (L) IS 100' OR GREATER, INSERT BLANKET INTO A CHECK SLOT 1/3 FROM THE BOTTOM OF THE SLOPE.

① EROSION CONTROL BLANKET

© Copyright 2025, State of Minnesota, Department of Natural Resources



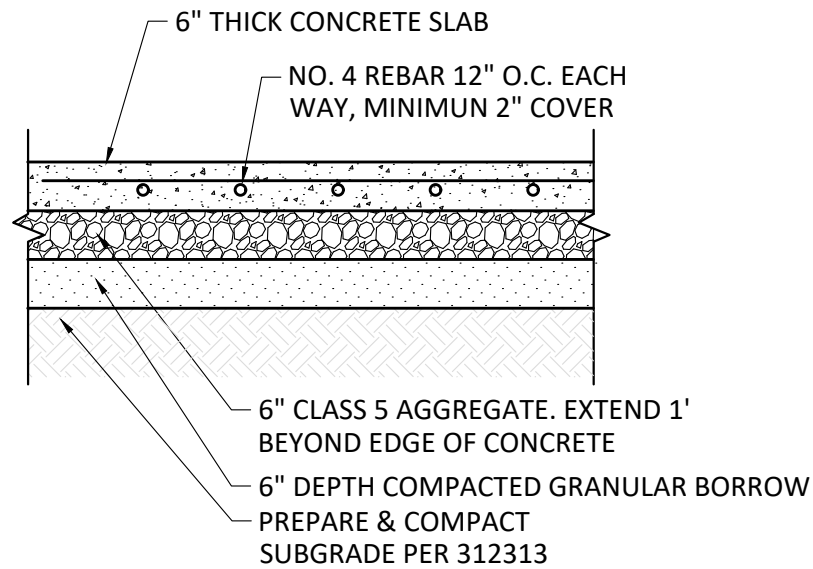
**PRELIMINARY
NOT FOR CONSTRUCTION
12-31-25**

**REDEVELOPMENT PLAN
WHALETAIL LAKE PUBLIC WATER ACCESS
PARKS AND TRAILS**

HENNEPIN COUNTY NEAR MINNETRISTA
Section: 20 Township: 117N Range: 24W

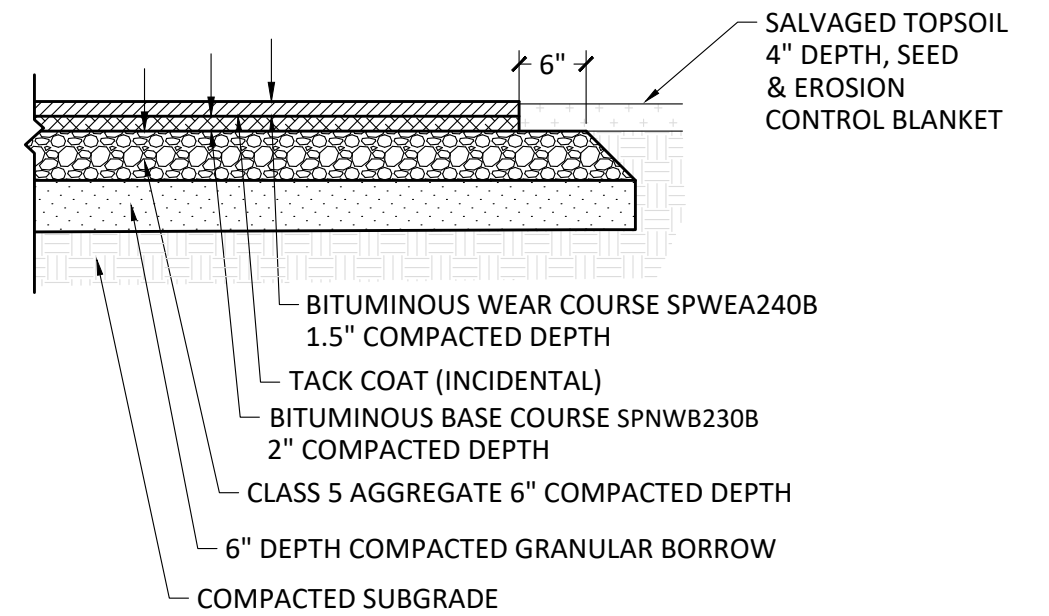
Revisions		Title:	
Date	By	EROSION CONTROL BLANKET DETAIL	
Survey: ME 02/24	Designed: EMK 11/25		
Drawn: JH 02/24	Drawn: EMK 11/25		
Checked: AD 02/24	Checked: JHP 11/25		
Horz. datum: NAD1983.2011		Vert. datum: NAVD1988	

Sheet: **L502**
CC2: 8A136
File #: WAS00419.00.17.30
Site #: ---



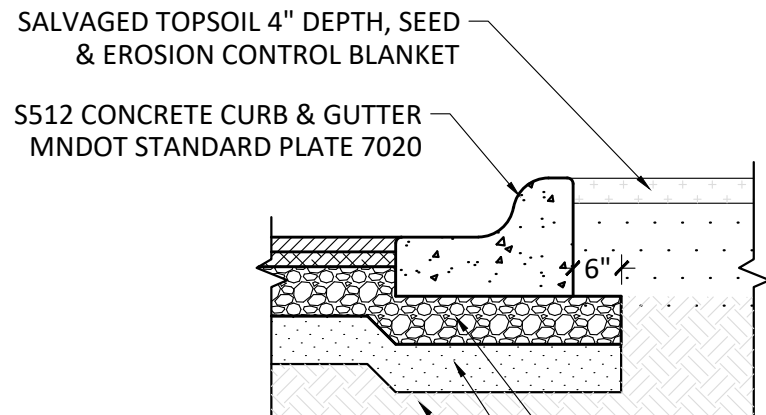
NOTES:

1. FORMS SHALL BE APPROVED PRIOR TO PLACING CONCRETE.
2. CONCRETE SURFACE SHALL HAVE A LIGHT BROOM FINISH EXCEPT FOR AT RAMP, SEE PLAN NOTE.
3. 1/2" FULL DEPTH EXPANSION JOINTS SHALL BE PLACED WHERE CONCRETE ABUTS FIXED OBJECT OR STRUCTURE AND SHALL BE INCIDENTAL TO THE CONCRETE.
4. SAWCUT CONSTRUCTION JOINTS AS PER PLAN.
5. ADA PARKING SPACES, AISLES AND TOILET SCREEN PAD: MAX. SLOPE 1.5% IN ANY DIRECTION.
6. MEASUREMENT OF MAXIMUM RUNNING GRADE AND CROSS SLOPE SHALL BE MADE WITH A 48" LEVEL. ANY PORTION OF THE SURFACE MAY BE TESTED BY THE ENGINEER USING THE 48" LEVEL. TOLERANCE OF PLUS OR MINUS 1/2% FROM DESIGN SLOPES WILL BE ALLOWED. IF THE SURFACE DOES NOT MEET SPECIFICATIONS USING THIS METHOD OF MEASUREMENT, THE CONCRETE SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.



1 CONCRETE PAVEMENT

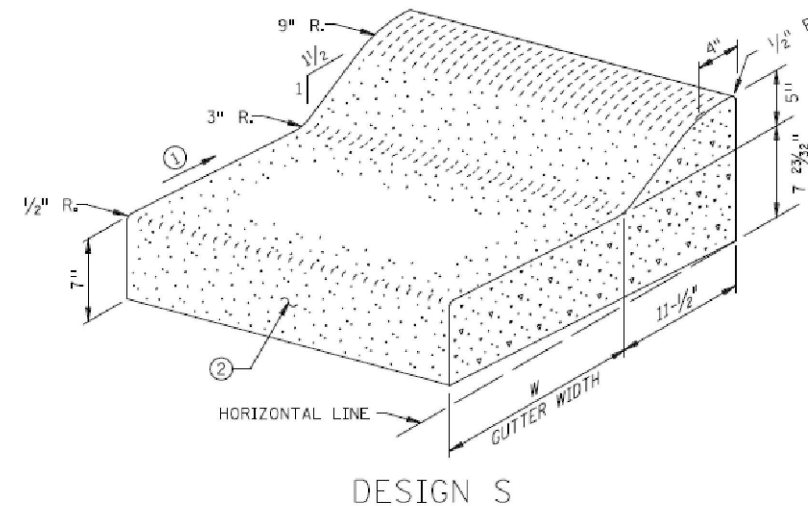
2 BITUMINOUS PAVEMENT



S	GUTTER WIDTH W	CONCRETE	
		CU. YDS. PER LIN. FT.	LIN. FT. PER CU. YD.
S512	12-1/2"	0.0541	18.5
S518	18-1/2"	0.0649	15.4
S524	24-1/2"	0.0757	13.2
S530	30-1/2"	0.0865	11.6
S536	36-1/2"	0.0973	10.3

NOTES:

1. GUTTER SLOPE SAME AS ROAD



3 CONCRETE CURB AND GUTTER

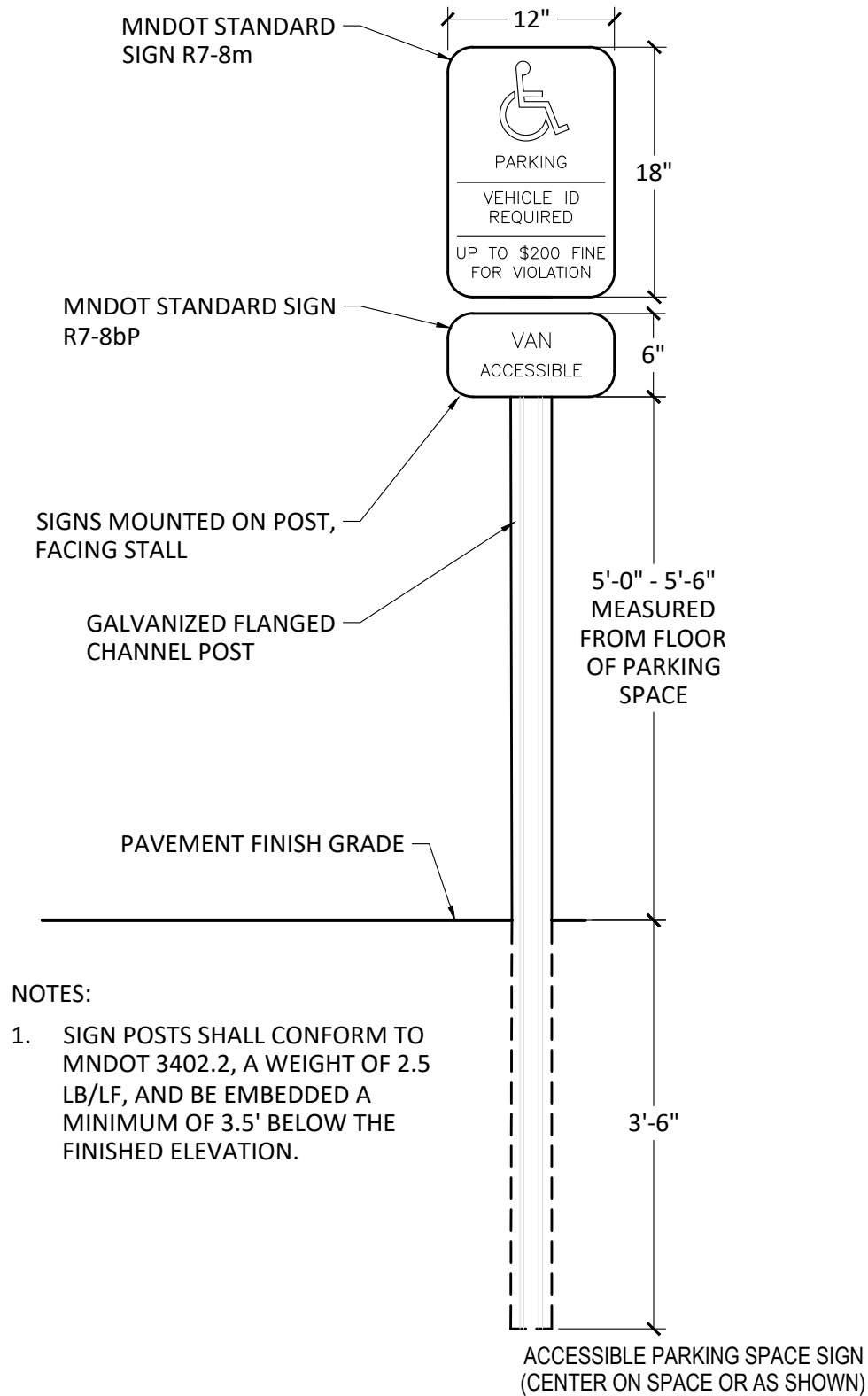


**PRELIMINARY
NOT FOR CONSTRUCTION
12-31-25**

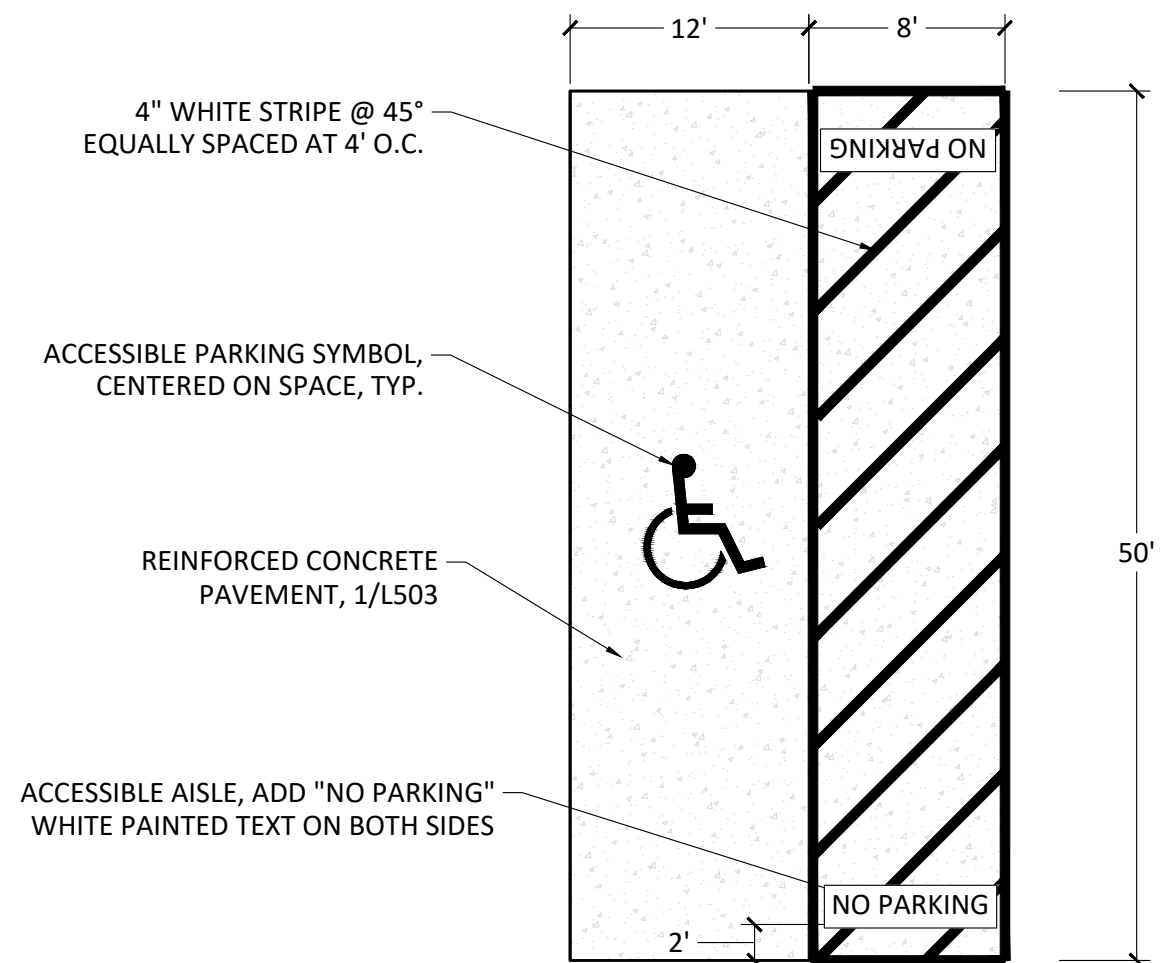
**REDEVELOPMENT PLAN
WHALETAIL LAKE PUBLIC WATER ACCESS
PARKS AND TRAILS**
HENNEPIN COUNTY NEAR MINNETRISTA
Section: 20 Township: 117N Range: 24W

Revisions		Title:	
Date	By	PAVEMENT & CURB DETAILS	
		Survey: ME 02/24	Designed: EMK 11/25
		Drawn: JH 02/24	Drawn: EMK 11/25
		Checked: AD 02/24	Checked: JHP 11/25
		Horz. datum: NAD1983.2011	Vert. datum: NAVD1988

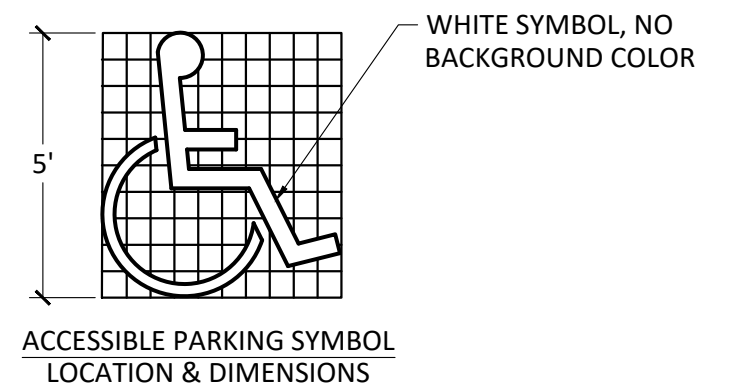
Sheet: **L503**
CC2: 8A136
File #: WAS00419.00.17.30
Site #: ---



1 ACCESSIBLE PARKING SIGN

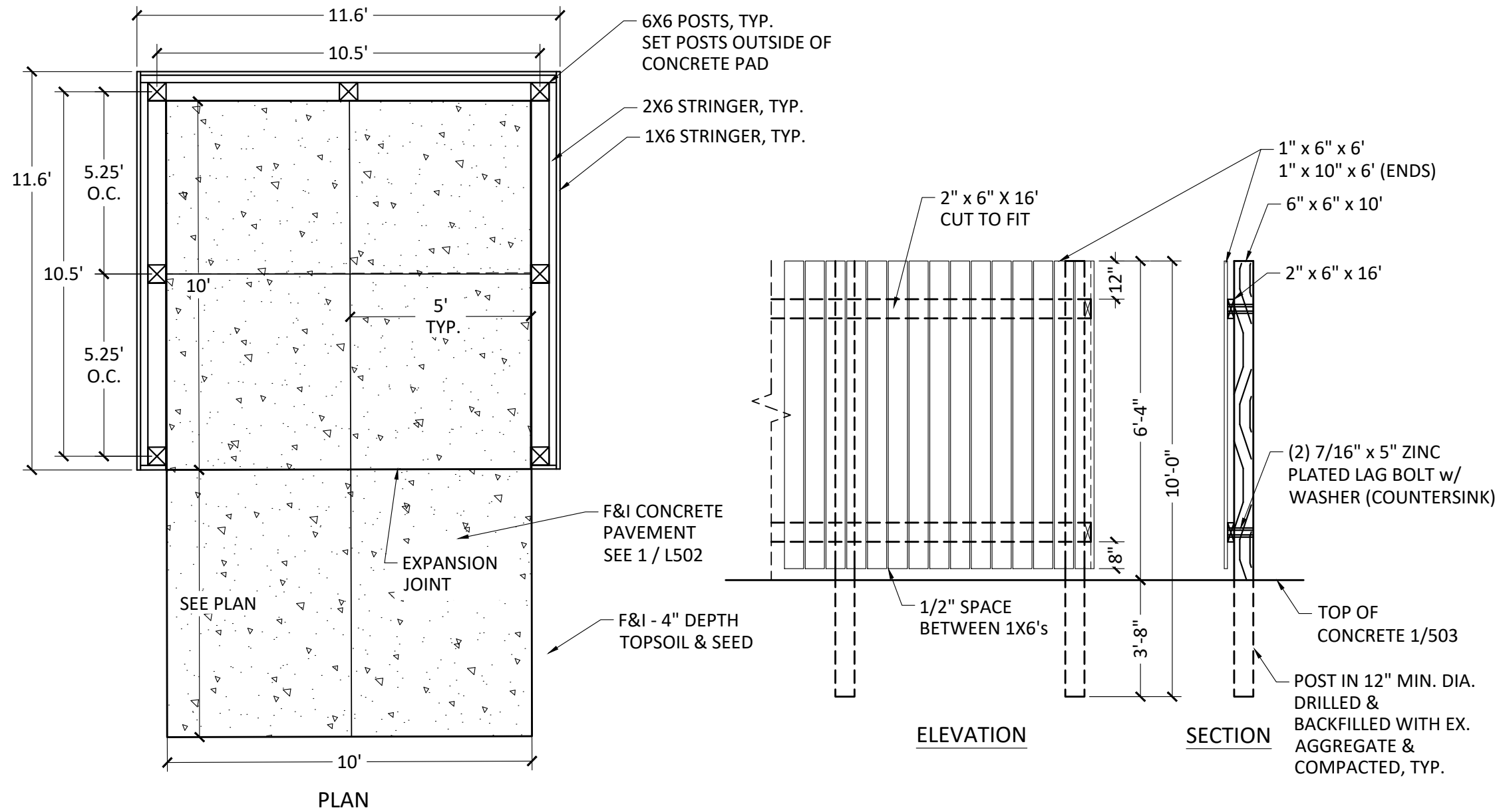


2 ACCESSIBLE PARKING - PAVEMENT MARKINGS



© Copyright 2025, State of Minnesota, Department of Natural Resources

	<p>PRELIMINARY</p> <p>NOT FOR CONSTRUCTION</p> <p>12-31-25</p>	<p>REDEVELOPMENT PLAN</p> <p>WHALETAIL LAKE PUBLIC WATER ACCESS</p> <p>PARKS AND TRAILS</p>		<p>Revisions</p> <table border="1"> <thead> <tr> <th>Date</th> <th>By</th> </tr> </thead> <tbody> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table>		Date	By							<p>Title:</p> <p>ACCESSIBLE PARKING DETAILS</p>		<p>Sheet: L504</p>
		Date	By													
<p>HENNEPIN COUNTY NEAR MINNETRISTA</p> <p>Section: 20 Township: 117N Range: 24W</p>		<p>Survey: ME 02/24 Designed: EMK 11/25</p> <p>Drawn: JH 02/24 Drawn: EMK 11/25</p> <p>Checked: AD 02/24 Checked: JHP 11/25</p> <p>Horz. datum: NAD1983.2011 Vert. datum: NAVD1988</p>		<p>CC2: 8A136</p> <p>File #: WAS00419.00.17.30</p> <p>Site #: ---</p>												



NOTES:

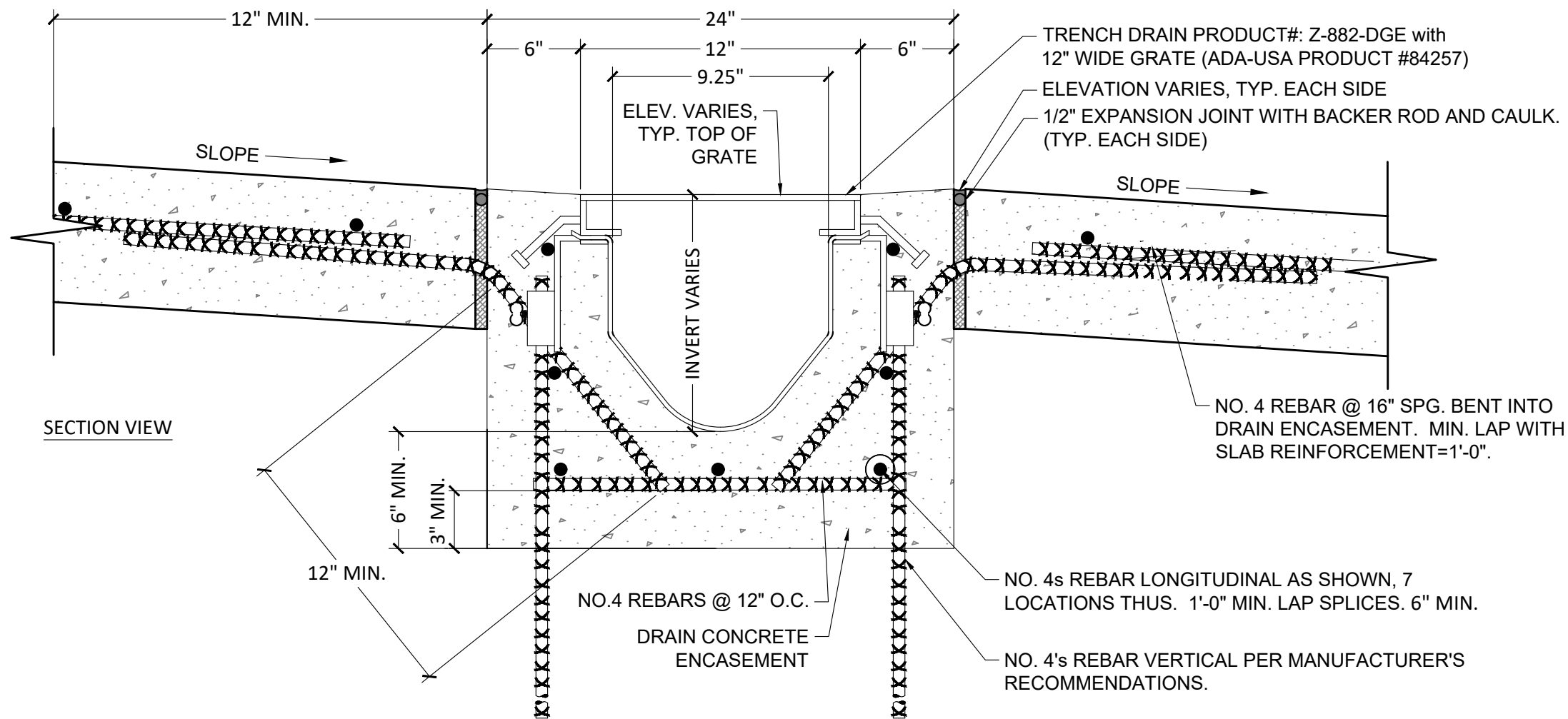
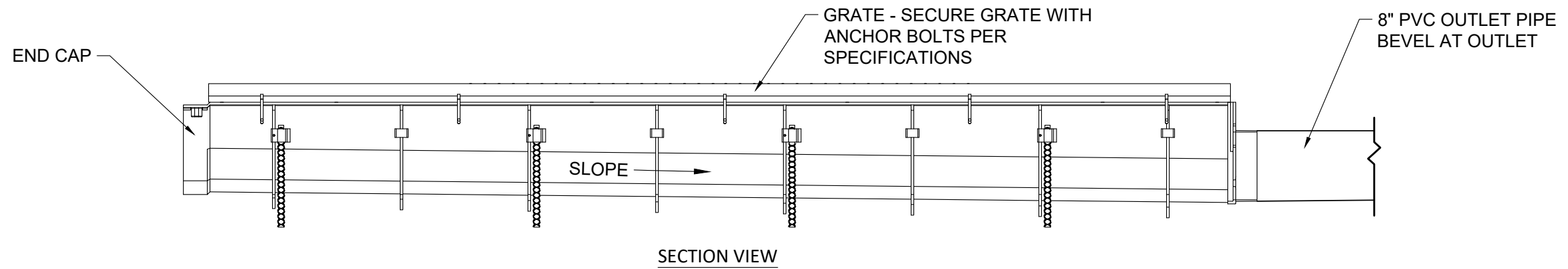
1. LUMBER IS TO BE AC2 #1 CRITICAL STRUCTURAL CEDAR TONE PRESSURE TREATED TIMBER AND AC2 GROUND CONTACT CEDAR TONE PRESSURE TREATED LUMBER WITH THE FOLLOWING DIMENSIONS:
6"x6"x10' POSTS, 2-2"x6"x16' STRINGERS, AND 1"x6"x6' FENCING.
2. 2"x6" 's TO BE BOLTED TO 6"x6" 's (8 BOLTS/UPRIGHT) AND THE 1"x6" 's FASTENED WITH 1 3/4" GALVANIZED DECK SCREWS.
3. ALL SURFACES SHALL BE STAINED A BROWN WITH A HIGH QUALITY OIL BASED STAIN.

TIMBER POST WATERBORNE PRESERVATIVE TREATMENT (AWPA U1)

1. TIMBER POSTS SHALL USE CATEGORY UC4A. PRESERVATIVE (RETENTION POUNDS/CUBIC FOOT): ACQ / ACZA (0.4), CA-C (0.15).
2. FASTENERS: HOT DIP GALVANIZE IN ACCORDANCE WITH ASTM A 153.
3. TIMBERS POST FIELD TREATMENT: APPLY COPPER NAPHTENATE (2% MIN.) TO CUTS AND HOLES. FOLLOW THE LABEL FOR APPLICATION INSTRUCTIONS. THE SURFACE OF THE AREA TREATED SHOULD BE CLEANED BEFORE APPLICATION, THEN COATED LIBERALLY SO THE TREATMENT CAN PENETRATE INTO THE FIBER.

1 WOOD TOILET SCREEN

	PRELIMINARY NOT FOR CONSTRUCTION 12-31-25	REDEVELOPMENT PLAN WHALETAIL LAKE PUBLIC WATER ACCESS PARKS AND TRAILS	Revisions <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Date</th> <th>By</th> </tr> </thead> <tbody> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table>	Date	By							WOOD SCREEN DETAIL Survey: ME 02/24 Designed: EMK 11/25 Drawn: JH 02/24 Drawn: EMK 11/25 Checked: AD 02/24 Checked: JHP 11/25 Horz. datum: NAD1983.2011 Vert. datum: NAVD1988	Sheet: L505 CC2: 8A136 File #: WAS00419.00.17.30 Site #: ---
	Date	By											
HENNEPIN COUNTY NEAR MINNETRISTA Section: 20 Township: 117N Range: 24W													



NOTES

1. SUBCUT 2' BELOW BOTTOM OF CONCRETE DRAIN ENCASEMENT GRADE.
2. FILL WITH AGGREGATE BACKFILL COMPACTED TO 95% STANDARD PROCTOR.
3. SECURE GRATES PER SPECIFICATION SECTION 33 41 00.

1 TRENCH DRAIN

© Copyright 2025, State of Minnesota, Department of Natural Resources



**PRELIMINARY
NOT FOR CONSTRUCTION
12-31-25**

**REDEVELOPMENT PLAN
WHALETAIL LAKE PUBLIC WATER ACCESS
PARKS AND TRAILS**

HENNEPIN COUNTY NEAR MINNETRISTA

Section: 20 Township: 117N Range: 24W

Revisions	
Date	By

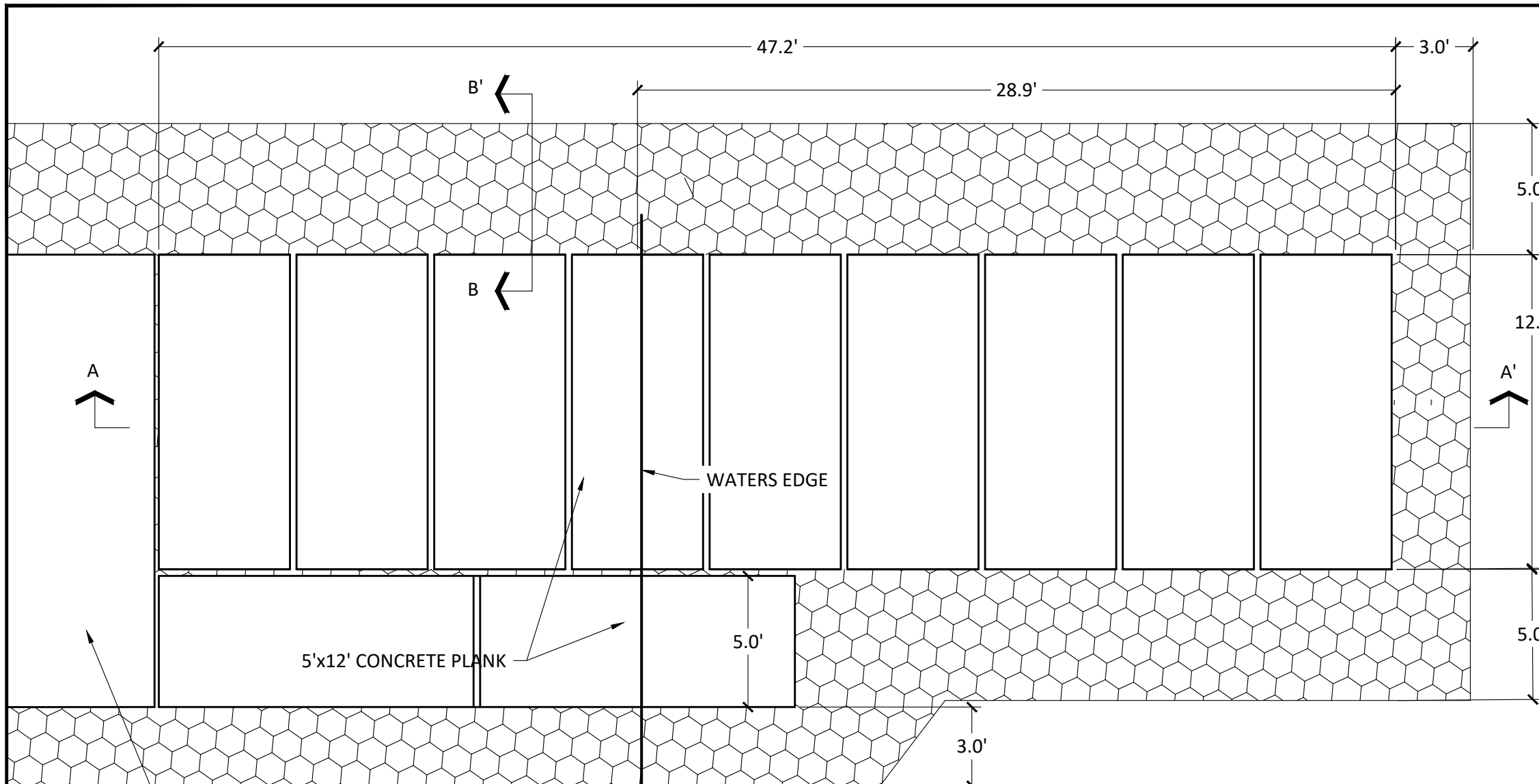
TRENCH DRAIN DETAIL			
Survey:	ME 02/24	Designed:	EMK 11/25
Drawn:	JH 02/24	Drawn:	EMK 11/25
Checked:	AD 02/24	Checked:	JHP 11/25
Horz. datum:	NAD1983.2011	Vert. datum:	NAVD1988

Sheet: **L506**

CC2: 8A136

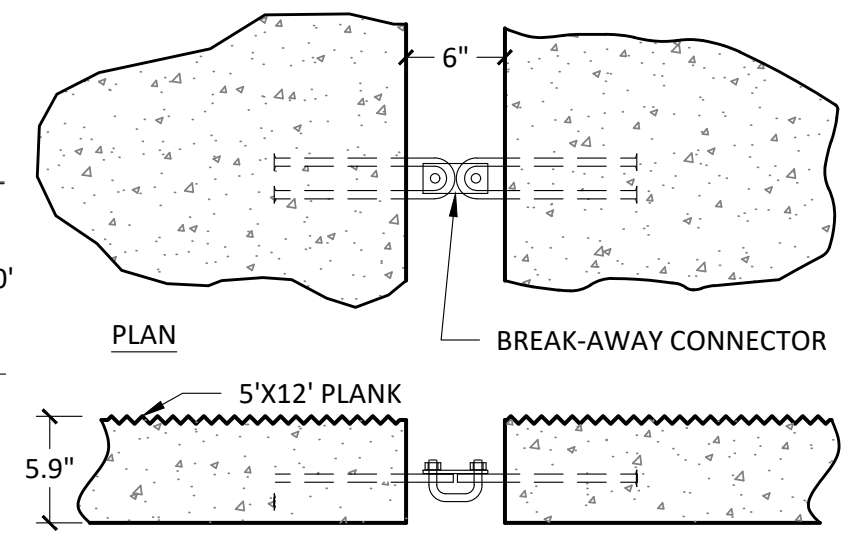
File #: WAS00419.00.17.30

Site #: ---

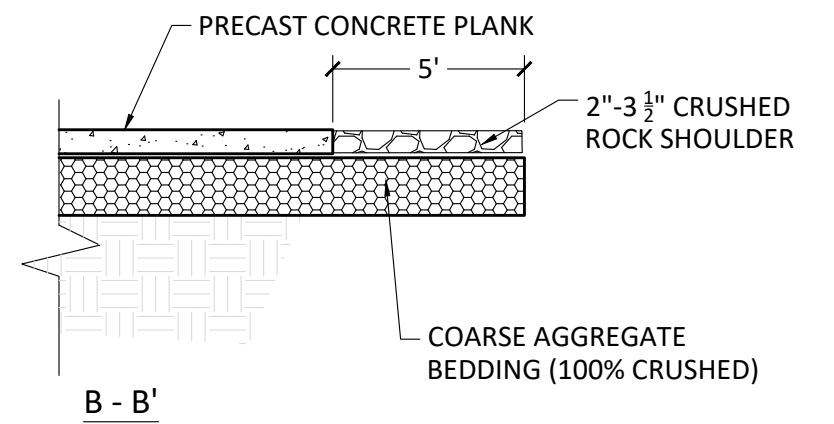
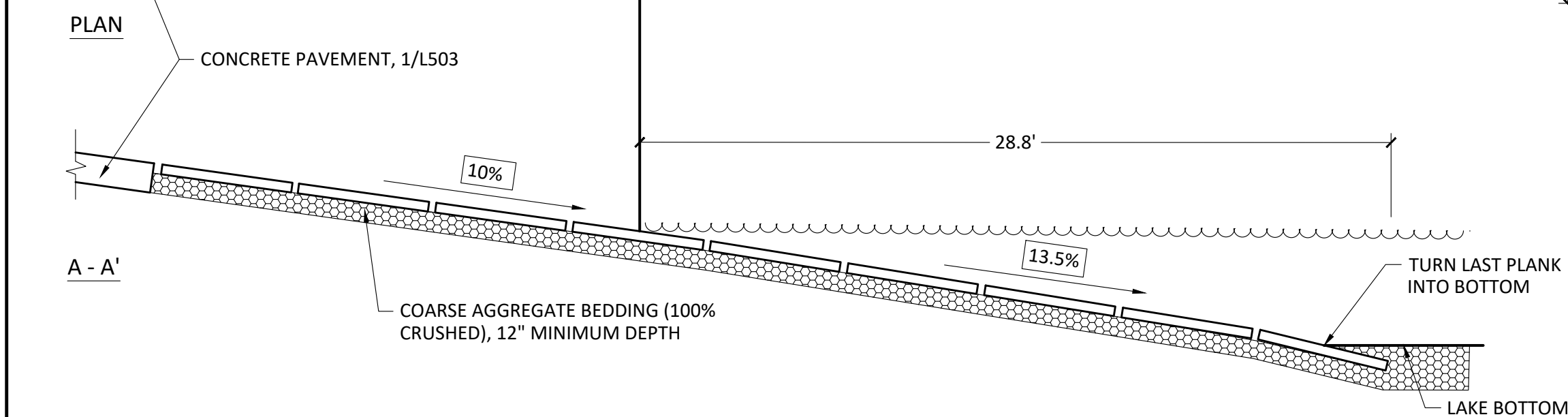


NOTES:

1. PRECAST CONCRETE PLANKS PROVIDED BY OWNER. CONTRACTOR TO UNLOAD PLANKS. 3 WEEK LEAD TIME, FOR LOCAL DNR SHOP TO DELIVER PLANKS TO PROJECT SITE.
2. 5' X 12' PLANK WEIGHT: 12' LENGTH x 5' WIDE x 5.9" THICK, APPROXIMATELY 8500 LBS EACH
3. MATCH GROOVE ORIENTATION TO GROOVES IN REINFORCED CONCRETE PAVEMENT
4. FILL VOID WITH COARSE AGGREGATE BEDDING (100% CRUSHED) MN 3149.2.G.2



CONNECTOR DETAIL - [5' X 12'] CONCRETE PLANKS



1 CONCRETE PLANK RAMP - MARINE WORK

© Copyright 2025, State of Minnesota, Department of Natural Resources



**PRELIMINARY
NOT FOR CONSTRUCTION
12-31-25**

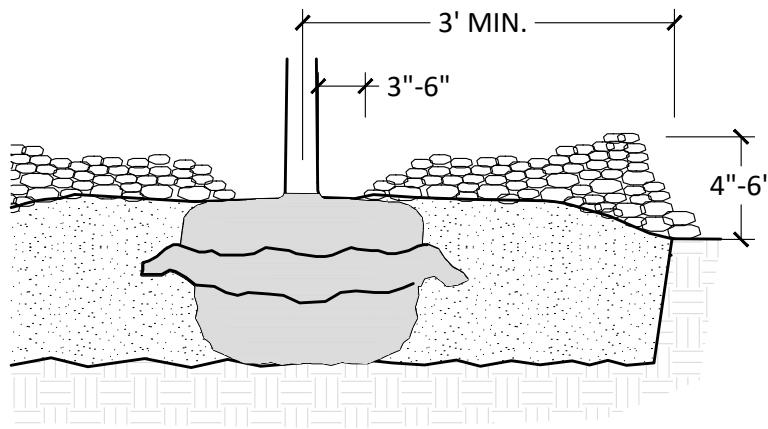
**REDEVELOPMENT PLAN
WHALETAIL LAKE PUBLIC WATER ACCESS
PARKS AND TRAILS**

HENNEPIN COUNTY NEAR MINNETRISTA
Section: 20 Township: 117N Range: 24W

Revisions		RAMP DETAILS	
Date	By	Survey:	Designed:
		ME 02/24	EMK 11/25
		Drawn: JH 02/24	Drawn: EMK 11/25
		Checked: AD 02/24	Checked: JHP 11/25
		Horz. datum: NAD1983.2011	Vert. datum: NAVD1988

Sheet: **L507**
 CC2: 8A136
 File #: WAS00419.00.17.30
 Site #: ---

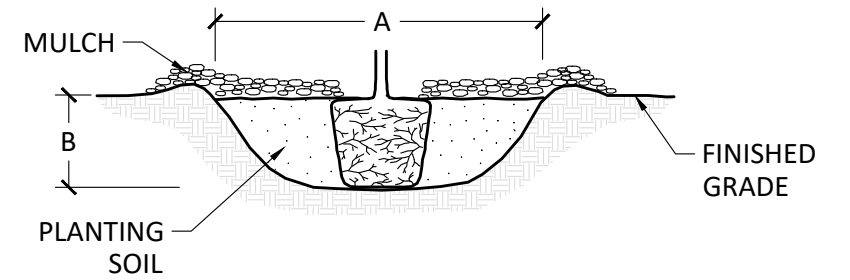
PLANTING HOLE DIMENSIONS			
HOLE DEPTH MEASUREMENT FROM ROOT FLAIR TO BOTTOM OF SOIL BALL.			
PLANT TYPE	PLANT SIZE	(A) MIN. HOLE WIDTH	(B) HOLE DEPTH
DECIDUOUS TREES	1" B.B.	54"	14"
	1.25" B.B.	56"	15"
	1.5" B.B.	61"	15"
CONIFEROUS TREES	3' B.B.	42"	11"
	4' B.B.	51"	13"
	5' B.B.	60"	13"
CONTAINER GROWN PLANTS	3# cont.	29"	8.5"
	5# cont.	30"	11"
	7# cont.	37"	11"
	10# cont.	44"	14"
	15# cont.	45"	15"
	20# cont.	60"	16"
	25# cont.	72"	17"



NOTES

1. PULL MULCH BACK NO LESS THAN 3" AND NO MORE THAN 6" FROM TREE TRUNKS.
2. MULCH CONTAMINATED W/ SOIL MUST BE REMOVED & REPLACED.

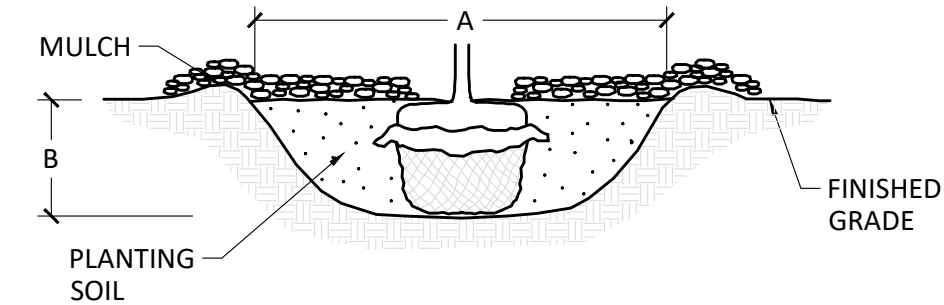
2 Mulch Placement



NOTES

1. PREPARE PLANTING SOIL.
2. SCARIFY SIDES AND BOTTOM OF HOLE.
3. PROCEED WITH CORRECTIVE PRUNING.
4. REMOVE CONTAINER AND SCORE OUTSIDE OF SOIL MASS TO REDIRECT AND PREVENT CIRCLING FIBROUS ROOTS. REMOVE OR CORRECT STEM GIRDLING ROOTS. SET PLANT ON UNDISTURBED NATIVE SOIL OR THOROUGHLY COMPACTED PLANTING SOIL.
5. INSTALL PLANT SO THE TOP OF THE ROOT FLARE IS AT OR UP TO 2" ABOVE THE FINISHED GRADE.
6. PLUMB AND BACKFILL WITH PLANTING SOIL.
7. WATER THOROUGHLY WITHIN 2 HOURS TO SETTLE PLANT AND FILL VOIDS.
8. BACKFILL VOIDS AND WATER A SECOND TIME.
9. PLACE MULCH WITHIN 48 HRS. OF THE SECOND WATERING UNLESS SOIL MOISTURE IS EXCESSIVE.

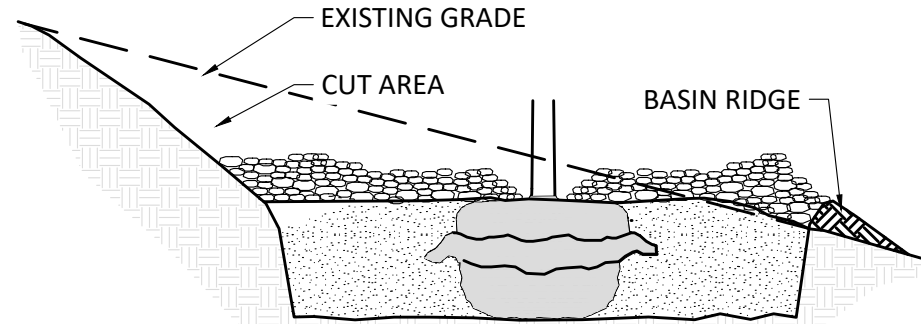
3 Container Stock Installation



NOTES

1. PREPARE PLANTING SOIL.
2. SCARIFY SIDES AND BOTTOM OF HOLE.
3. PROCEED WITH CORRECTIVE PRUNING.
4. SET PLANT ON UNDISTURBED NATIVE SOIL OR THOROUGHLY COMPACTED PLANTING SOIL. INSTALL PLANT SO THE ROOT FLARE IS AT OR UP TO 2" ABOVE THE FINISHED GRADE WITH BURLAP AND WIRE BASKET, (IF USED), INTACT.
5. SLIT REMAINING TREATED BURLAP AT 6" INTERVALS. BACKFILL TO WITHIN APPROXIMATELY 12" OF THE TOP OF THE ROOTBALL, THEN WATER PLANT.
6. REMOVE THE TOP 1/3 OF THE BASKET OR THE TOP TWO HORIZONTAL RINGS WHICHEVER IS GREATER. REMOVE ALL BURLAP AND NAILS FROM THE TOP 1/3 OF THE BALL. REMOVE ALL TWINE. REMOVE OR CORRECT STEM GIRDLING ROOTS.
7. PLUMB AND BACKFILL WITH PLANTING SOIL.
8. WATER THOROUGHLY WITHIN 2 HOURS TO SETTLE PLANT AND FILL VOIDS.
9. BACKFILL VOIDS AND WATER A SECOND TIME.
10. PLACE MULCH WITHIN 48 HRS. OF THE SECOND WATERING UNLESS SOIL MOISTURE IS EXCESSIVE.

1 Balled & Burlapped Stock Installation

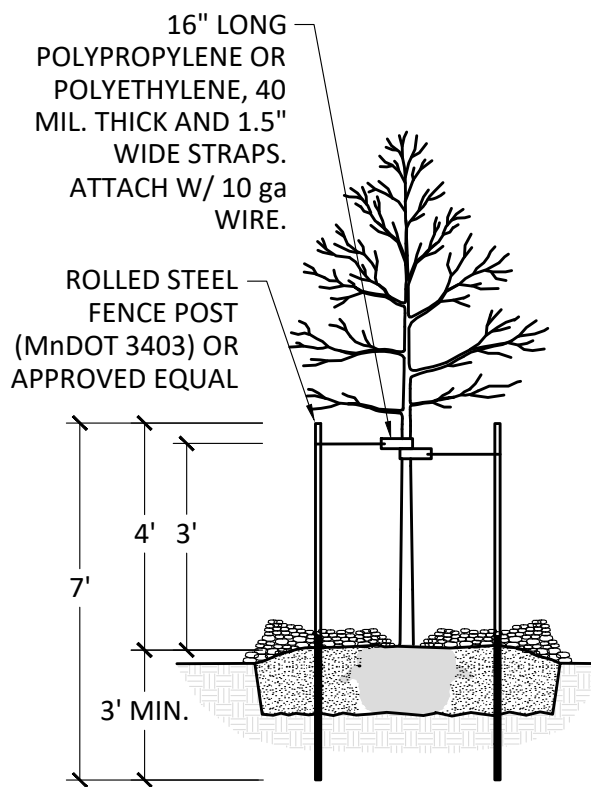


NOTES

1. PLANT ACCORDING TO ROOT TYPE.
2. ON 1:2 SLOPES OR GREATER, OMIT WATERING BASIN RIDGE.

4 Planting on Slopes

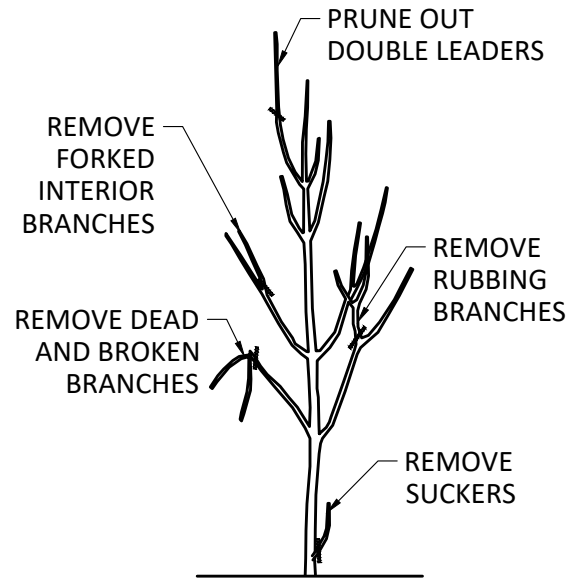
	<p>PRELIMINARY NOT FOR CONSTRUCTION 12-31-25</p>	<p>REDEVELOPMENT PLAN WHALETAIL LAKE PUBLIC WATER ACCESS PARKS AND TRAILS</p>		<p>Revisions</p> <table border="1"> <thead> <tr> <th>Date</th> <th>By</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </tbody> </table>		Date	By							<p>PLANTING DETAILS</p> <table border="1"> <tr> <td>Survey:</td> <td>ME 02/24</td> <td>Designed:</td> <td>EMK 11/25</td> </tr> <tr> <td>Drawn:</td> <td>JH 02/24</td> <td>Drawn:</td> <td>EMK 11/25</td> </tr> <tr> <td>Checked:</td> <td>AD 02/24</td> <td>Checked:</td> <td>JHP 11/25</td> </tr> <tr> <td>Horz. datum:</td> <td>NAD1983.2011</td> <td>Vert. datum:</td> <td>NAVD1988</td> </tr> </table>		Survey:	ME 02/24	Designed:	EMK 11/25	Drawn:	JH 02/24	Drawn:	EMK 11/25	Checked:	AD 02/24	Checked:	JHP 11/25	Horz. datum:	NAD1983.2011	Vert. datum:	NAVD1988	<p>Sheet: L508</p> <p>CC2: 8A136</p> <p>File #: WAS00419.00.17.30</p> <p>Site #: ---</p>
		Date	By																													
Survey:	ME 02/24	Designed:	EMK 11/25																													
Drawn:	JH 02/24	Drawn:	EMK 11/25																													
Checked:	AD 02/24	Checked:	JHP 11/25																													
Horz. datum:	NAD1983.2011	Vert. datum:	NAVD1988																													
<p>HENNEPIN COUNTY NEAR MINNETRISTA</p> <p>Section: 20 Township: 117N Range: 24W</p>		<p> </p>		<p> </p>																												



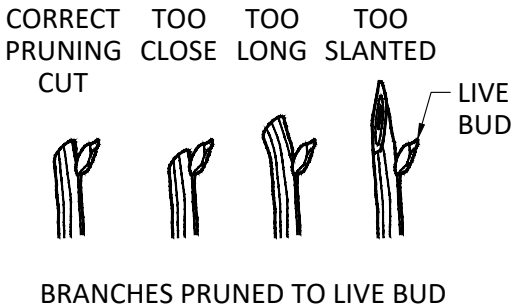
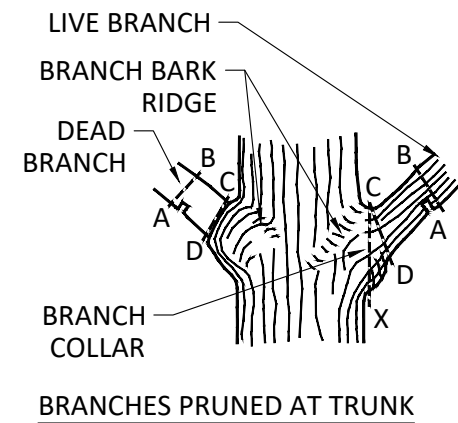
NOTES

1. STEEL POSTS TO BE NOTCHED OR DRILLED TO RETAIN GUY WIRES. PLACE OUTSIDE OF ROOT BALL. DRIVE PLUMB REGARDLESS OF GROUND SLOPE.
2. RUBBER HOSE AND WIRE GUYING SYSTEMS ARE NOT AN APPROVED SUBSTITUTE.
3. TREE STAKING IS NOT REQUIRED UNLESS SPECIFIED OR NECESSARY TO MAINTAIN TREES IN A PLUMB CONDITION. CIRCUMSTANCES FOR STAKING: HIGH SOIL MOISTURE, VANDALISM, SANDY SOILS, STEEP SLOPES OR WINDY CONDITIONS.
4. REMOVE WITHIN ONE YEAR.

1 Staking and Guying



2 Pruning



STEPS TO PRUNING WITH PRUNING SAW

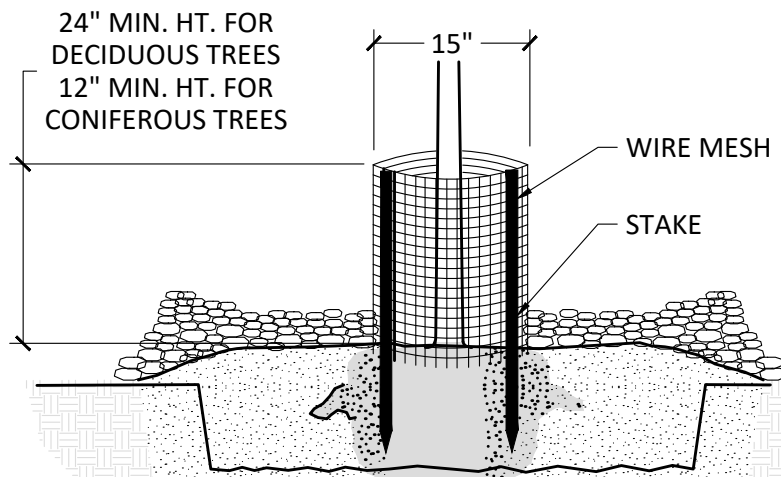
1. CUT PART WAY THROUGH THE BRANCH AT POINT A.
2. CUT COMPLETELY THROUGH BRANCH FROM POINT B TO A.
3. AT BRANCH COLLAR CUT FROM POINT C TO D.

INCORRECT CUT FROM POINT C TO X (TOO CLOSE) WILL RESULT IN DISCONTINUOUS CALLUS FORMATION AFTER ONE SEASON OF GROWTH.

CORRECT CUT FROM POINT C TO D (LEAVING BRANCH COLLAR BUT NOT THE STUB FROM POINT B TO A) WILL RESULT IN CONTINUOUS DOUGHNUT SHAPED CALLUS FORMATION AFTER ONE SEASON OF GROWTH.

PRUNING NOTES

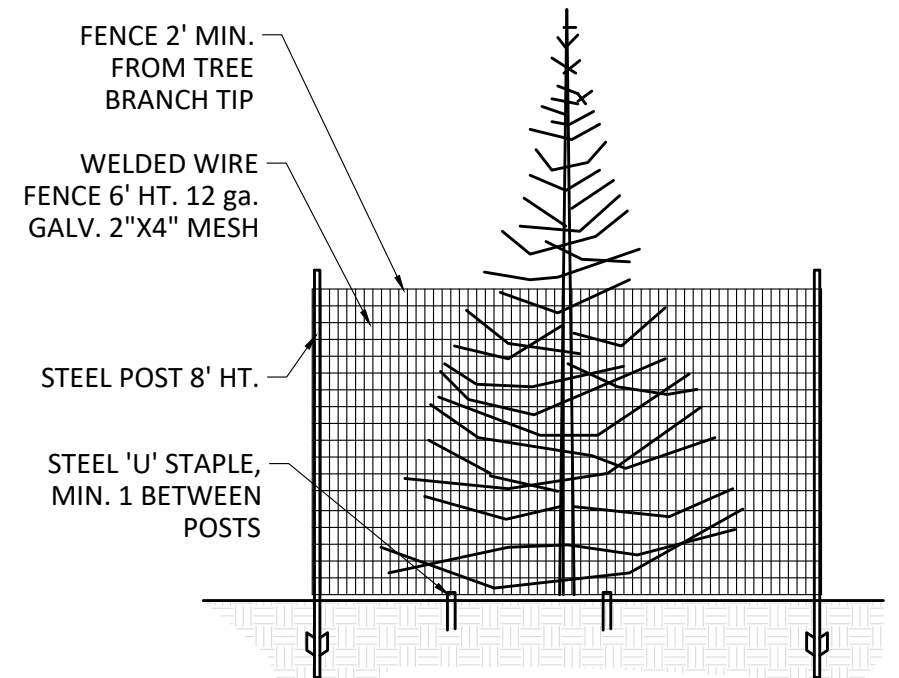
1. PRUNE USING CLEAN AND SHARP SCISSOR-TYPE PRUNER OR PRUNING SAW.
2. THE BEST TIME TO PRUNE IS LATE DORMANT SEASON OR EARLY SPRING.
3. AVOID PRUNING OAKS IN APRIL, MAY, JUNE OR JULY.
4. IF PRUNING IS NECESSARY OR IF THE WOUNDS OCCUR TO OAK TREES IN APRIL, MAY, JUNE OR JULY, IMMEDIATELY PAINT CUT SURFACE OR WOUND WITH LATEX PAINT OR SHELLAC.



NOTES

1. FORM A DOUBLE-LAYERED CYLINDER USING 0.25" GRID GALVANIZED WELDED WIRE MESH (HARDWARE CLOTH). OVERLAP THE CUT END 2".
2. DRIVE TWO 1" x 1" OPPOSING WHITE OAK HEARTWOOD STAKES INTO THE GROUND, 7" FROM THE CENTER OF THE TREE STEM.
3. SECURE THE MESH CYLINDER TO THE OUTSIDE OF THE STAKES USING EITHER,
 - 3.1. SCREWS AND WASHERS OR CABLE-TIES ALONG THE OVERLAP. SPACE APPROXIMATELY 4" ON CENTER ALONG THE OVERLAP. SCREWS SHALL BE ROUND HEAD GALVANIZED 1/8" DIA. x 3/4" LONG WITH WASHERS.
 - 3.2. CABLE-TIES SHALL BE NYLON, AT LEAST 8" LONG AND BETWEEN 75LB TO 120LB TENSILE STRENGTH.
4. EMBED THE LOWER EDGE OF THE MESH CYLINDER 1" BELOW THE SOIL SURFACE WITHOUT DISTURBING THE TREE ROOTS.
5. CUT EDGES WILL NOT BE PERMITTED AT THE TOP OF THE CYLINDER. STAKE WILL BE FLUSH WITH THE TOP OF THE CYLINDER.
6. MULCH WITHIN THE CYLINDER SHALL NOT EXCEED 3" DEPTH AND SHALL BE PULLED BACK FROM THE TRUNK AS SPECIFIED IN MULCH PLACEMENT DETAIL.
7. THE BOTTOM WHORL OF PINE AND LARCH BRANCHES MAY HAVE TO BE REMOVED TO PERMIT INSTALLATION OF 12" MIN. HEIGHT RODENT GUARDS.

3 Rodent Protection (All Deciduous and Pine Trees)



4 Tree Protection Cage

© Copyright 2025, State of Minnesota, Department of Natural Resources

	<p>PRELIMINARY NOT FOR CONSTRUCTION 12-31-25</p>	<p>REDEVELOPMENT PLAN WHALETAIL LAKE PUBLIC WATER ACCESS PARKS AND TRAILS</p>		<p>Revisions</p> <table border="1"> <thead> <tr> <th>Date</th> <th>By</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </tbody> </table>		Date	By							<p>PLANTING DETAILS</p> <table border="1"> <tr> <td>Survey:</td> <td>ME 02/24</td> <td>Designed:</td> <td>EMK 11/25</td> </tr> <tr> <td>Drawn:</td> <td>JH 02/24</td> <td>Drawn:</td> <td>EMK 11/25</td> </tr> <tr> <td>Checked:</td> <td>AD 02/24</td> <td>Checked:</td> <td>JHP 11/25</td> </tr> <tr> <td>Horz. datum:</td> <td>NAD1983.2011</td> <td>Vert. datum:</td> <td>NAVD1988</td> </tr> </table>		Survey:	ME 02/24	Designed:	EMK 11/25	Drawn:	JH 02/24	Drawn:	EMK 11/25	Checked:	AD 02/24	Checked:	JHP 11/25	Horz. datum:	NAD1983.2011	Vert. datum:	NAVD1988	<p>Sheet: L509</p> <p>CC2: 8A136</p> <p>File #: WAS00419.00.17.30</p> <p>Site #: ---</p>
		Date	By																													
Survey:	ME 02/24	Designed:	EMK 11/25																													
Drawn:	JH 02/24	Drawn:	EMK 11/25																													
Checked:	AD 02/24	Checked:	JHP 11/25																													
Horz. datum:	NAD1983.2011	Vert. datum:	NAVD1988																													
<p>HENNEPIN COUNTY NEAR MINNETRISTA</p> <p>Section: 20 Township: 117N Range: 24W</p>		<p>Horz. datum: NAD1983.2011 Vert. datum: NAVD1988</p>		<p> </p>																												

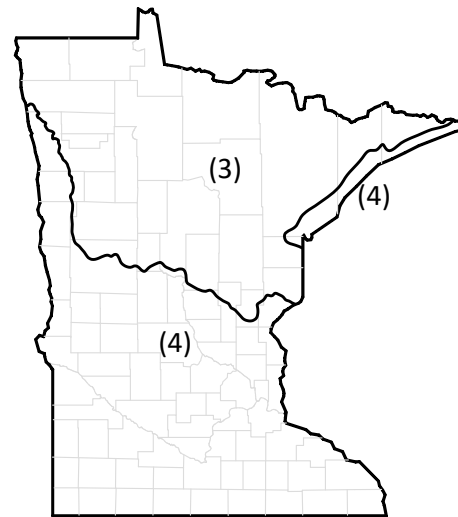
PLANT INSPECTION CHECKLIST

1. PLANTS WITH ROOT SYSTEMS CONSISTENT WITH THE CRITERIA SHOWN ON THE PLAN.
 - 1.1. THE STEM OR TRUNK IS NO MORE THAN 10% OFF CENTER IN THE SOIL BALL, UNLESS THE BALL IS OVERSIZED ALLOWING A CENTERED PLANT WITHIN THE MINIMUM RADIUS SPREAD FOR THE ROOT TYPES SPECIFIED.
 - 1.2. ROOT FLAIRS LESS THAN 4" BELOW THE SOIL LINE.
 - 1.3. BALLED AND BURLAPPED PLANTS WITH UNBROKEN OR UNDISTURBED BALLS.
 - 1.4. LARGE DIAMETER ROOT STUBS ARE NOT RIPPED, CRACKED OR TORN.
 - 1.5. CONTAINER GROWN PLANTS SHALL HOLD THE SOIL BALL INTACT WHEN REMOVED FROM THE CONTAINER.
 - 1.6. ROOTS HAVE NOT ENCIRCLED THE STEM OR TRUNK.
2. PLANTS WITH STEMS OR TRUNKS AND BRANCHES CONSISTENT WITH THE FOLLOWING CRITERIA.
 - 2.1. FREE OF CANKERS, A LOCALIZED SUNKEN, RAISED AND DISCOLORED DEAD AREAS. CANKERS USUALLY FORM AROUND A DEAD BUD, BRANCH, STUB, OR A STEM WOUND.
 - 2.2. TRUNKS FREE OF FROST CRACKS, A VERTICAL SPLIT.
 - 2.3. TRUNKS/STEMS FREE OF CRACKS OR WOUNDS CAUSED BY WEED WHIPS, MOWERS OR HANDLING.
 - 2.4. TRUNKS AND STEMS HAVE PRUNING CUTS WITH A DIAMETER LESS THAN 30% OF THE DIAMETER OF THE TRUNK OR STEM.
 - 2.5. PROPERLY HEALED PRUNING CUTS WITHOUT DEAD BRANCH STUBS. A PROPERLY HEALED PRUNING CUT WILL HAVE A CALLUS THAT ENCIRCLES THE WOUND.
 - 2.6. CROSSED AND RUBBING BRANCHES THAT CAN BE CORRECTIVELY PRUNED.
 - 2.7. THERE IS A CENTRAL LEADER, NOT MULTIPLE LEADERS, OR CAN BE CORRECTIVELY PRUNED TO PROMOTE A CENTRAL LEADER.
 - 2.8. SHOOTS, A CURRENT SEASON STEM GROWTH, THAT ARE NOT LIMP OR WILTED.
 - 2.9. BUDS ARE NOT SHRIVELED, DRIED OUT OR DEAD.
 - 2.10. CONIFEROUS TREES THAT ARE NOT ROUTINELY SHEARED. A ROUTINELY SHEARED TREE IS IDENTIFIED BY ONE OF THE FOLLOWING:
 - DENSELY GROWN AND UNIFORMLY PYRAMIDAL "CHRISTMAS TREE" APPEARANCE.
 - NEW GROWTH REMOVED AND TERMINAL LEADER AND TERMINAL BUDS ARE MISSING.
 - "FINGER-LIKE" OR THICK WHORL DEVELOPMENT IS AT THE BRANCH TIPS.
3. PLANTS ARE FREE OF INSECTS, DISEASES AND INVASIVE SPECIES.
 - 3.1. ROOTS ARE NOT BROWN OR BLACK SIGNAL PROBLEMS SUCH AS DRYNESS OR DISEASE.
 - 3.2. LEAVES OR NEEDLES ARE FREE OF ABNORMALITIES SUCH AS SIZE, CONDITION, SHAPE, AND COLOR OF THE FOLIAGE.
 - 3.3. LEAVES OR NEEDLES ARE FREE OF INSECT DAMAGE INCLUDING FRASS, LEAF MINING, WEBBING, CHEWING WHICH CAN LEAVE HOLES, TATTERED EDGES OR SURFACE DAMAGE.
 - 3.4. TRUNK, LIMBS AND SHOOTS ARE FREE OF DISCOLORED OR ABNORMAL BARK, WOUNDS INCLUDING MECHANICAL DAMAGE, AND/OR SMALL HOLES INDICATIVE OF BORING INSECTS.
 - IF INSECT OR DISEASE SYMPTOMS APPEAR IN ANY ONE OF THESE AREAS, PROCEED WITH THE FOLLOWING STEPS.
 - USE THE ICAMMLP DIAGNOSTIC PAGES TO HELP DETERMINE POTENTIAL TREATMENT OPTIONS OR WHETHER THE DAMAGE OR PEST IS GROUNDS FOR REJECTION.
 - IF YOU ARE NOT A CERTIFIED LANDSCAPE SPECIALIST, CONTACT A LANDSCAPE ARCHITECT OR RESOURCE SPECIALIST FOR ADVICE.

PLANT INSTALLATION PERIODS

PLANTING DATES BY ZONE			
		(3)	(4)
SPRING	DECIDUOUS	APRIL 21 TO JUNE 30	APRIL 7 TO JUNE 30
	CONIFEROUS	APRIL 21 TO JUNE 1	APRIL 7 TO MAY 17
	PERENNIALS	MAY 1 TO JUNE 30	

PLANTING DATES BY ZONE			
		(3)	(4)
FALL	DECIDUOUS	AUG 25 TO OCT 15	AUG 25 TO NOV 1
	CONIFEROUS	AUG 25 TO SEPT 15	
	PERENNIALS	AUG 25 TO SEPT 15	

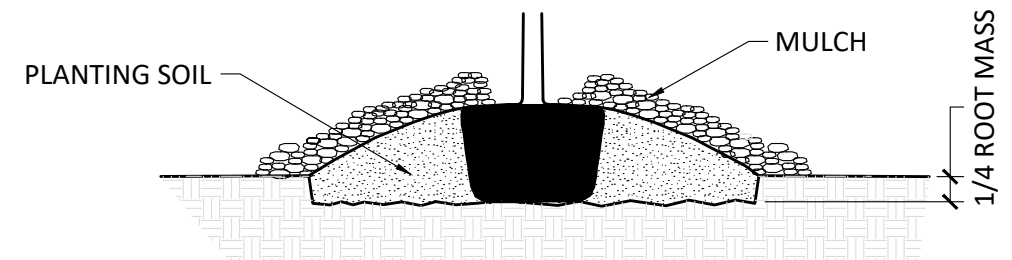


MN/DOT GRADE 2 COMPOST INSPECTION CHECKLIST

1. THE MATERIAL SHALL BE RELATIVELY DRY AND CRUMBLY WITH A DARK BROWN COLOR.
2. THE MINIMUM MOISTURE CONTENT IS 35%. WHEN A HANDFUL OF COMPOST IS SQUEEZED THE BALL SHOULD STAY TOGETHER.
3. THE COMPOST MAY HAVE AN EARTHY SMELL, BUT IT SHOULD NOT HAVE ANY NOTICEABLE RANK, ROTTEN EGG, AMMONIA, OR FOUL ORDER.
4. PROVIDE MATERIAL WITHOUT:
 - WEED SEEDS OR WEEDS SPROUTING FROM THE PILE.
 - BUGS OR WORMS.
 - STEAM RISING FROM THE PILE AND THE MATERIAL TEMPERATURE SHALL BE CLOSE TO AMBIENT (SURROUNDING) TEMPERATURE. TAKE THE INSULATING AND HEAT ABSORBING CHARACTERISTICS OF A COMPOST PILE INTO CONSIDERATION. STICK YOUR COVERED HAND AND FOREARM INTO THE PILE AND THE MATERIAL SHALL NOT BE UNCOMFORTABLY WARM OR HOT.
 - PARTICULATE MATTER SUCH AS STONE, GLASS, AND PLASTIC OF A SIZE THAT WOULD NOT PASS THROUGH A 3/4 INCH SIEVE IN THE SCREENING PROCESS.

GENERAL INSTALLATION NOTES

1. TO PREVENT SITE COMPACTION AND DAMAGE, DO NOT WORK IN PLANTING HOLES AND BED AREAS IF THE SOIL MOISTURE IS GREATER THAN FIELD CAPACITY
2. ENSURE DRAINAGE IN THE PLANTING HOLE AND BED AREAS.
3. IF THE CONTRACTOR ENCOUNTERS EXCESSIVELY WET SOILS, BEDROCK, OR EXCESSIVE QUANTITIES OF BOULDERS AND CONSTRUCTION DEBRIS, THE ENGINEER MAY RELOCATE OR DELETE PLANTINGS, OR INSTALL ACCORDING TO THE POORLY DRAINED SOILS DETAIL.



1. EXCAVATE HOLE OR BED 1/4 THE DEPTH OF THE ROOT MASS.
2. SET ROOT MASS IN HOLE.
3. CONSTRUCT BERM WITH PLANTING SOIL. EXTEND THE BERM BASE TO A WIDTH OF 3 TIMES THE BERM HEIGHT.
4. COMPLETE PLANTING ACCORDING ROOT TYPE.
- 3.1. FOR A SUSPECTED DRAINAGE PROBLEM, PERFORM A PERCOLATION TEST BY FILLING A 16 IN DEEP PLANTING HOLE WITH WATER AND MEASURING THE TIME IT TAKES THE WATER TO DRAIN FROM THE HOLE. THE ENGINEER CONSIDERS ADEQUATE DRAINAGE EQUAL TO OR GREATER THAN A PERCOLATION RATE OF 1/2 IN/HR..
4. IMMEDIATELY BEFORE PLANTING, PRUNE TO REMOVE DEAD, RUBBING, DAMAGED, DISEASED, AND SUCKERING BRANCHES, AND TO IMPROVE PLANT SYMMETRY, STRUCTURE, AND VIGOR. PRUNE CONIFEROUS TREES AND SHRUBS ONLY TO REMOVE DAMAGED GROWTH OR A COMPETING LEADER.
 - 4.1. PRUNING MUST PRESERVE THE PLANT MATERIALS NATURAL FORM AND CHARACTER AND BE IN ACCORDANCE WITH STANDARD PRACTICES. EXCESSIVE PRUNING THAT DESTROYS FORM BECOMES SUFFICIENT GROUNDS FOR REPLACEMENT AT REQUEST OF THE ENGINEER.
5. DO NOT PRUNE OAK TREES DURING THE OAK WILT SEASON FROM APRIL THROUGH JULY, TO PREVENT THE SPREAD OF OAK WILT DISEASE. IMMEDIATELY TREAT ACCIDENTAL CUTS OR WOUNDS TO OAKS WITH A WOUND DRESSING IN ACCORDANCE WITH THE STANDARD PLANTING DETAILS SHOWN ON THE PLANS. KEEP WOUND-DRESSING MATERIAL ON THE PROJECT SITE DURING THE OAK WILT SEASON.

© Copyright 2025, State of Minnesota, Department of Natural Resources



**PRELIMINARY
NOT FOR CONSTRUCTION
12-31-25**

REDEVELOPMENT PLAN	
WHALETAIL LAKE PUBLIC WATER ACCESS PARKS AND TRAILS	
HENNEPIN COUNTY	NEAR MINNETRISTA
Section: 20	Township: 117N Range: 24W

Revisions	
Date	By

PLANTING DETAILS			
Survey:	ME 02/24	Designed:	EMK 11/25
Drawn:	JH 02/24	Drawn:	EMK 11/25
Checked:	AD 02/24	Checked:	JHP 11/25
Horz. datum:	NAD1983.2011	Vert. datum:	NAVD1988

Sheet:	L510
CC2:	8A136
File #:	WAS00419.00.17.30
Site #:	---