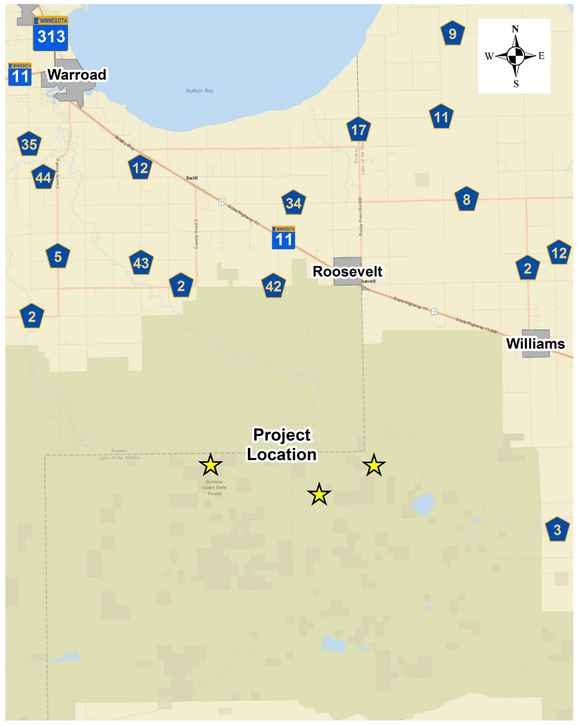
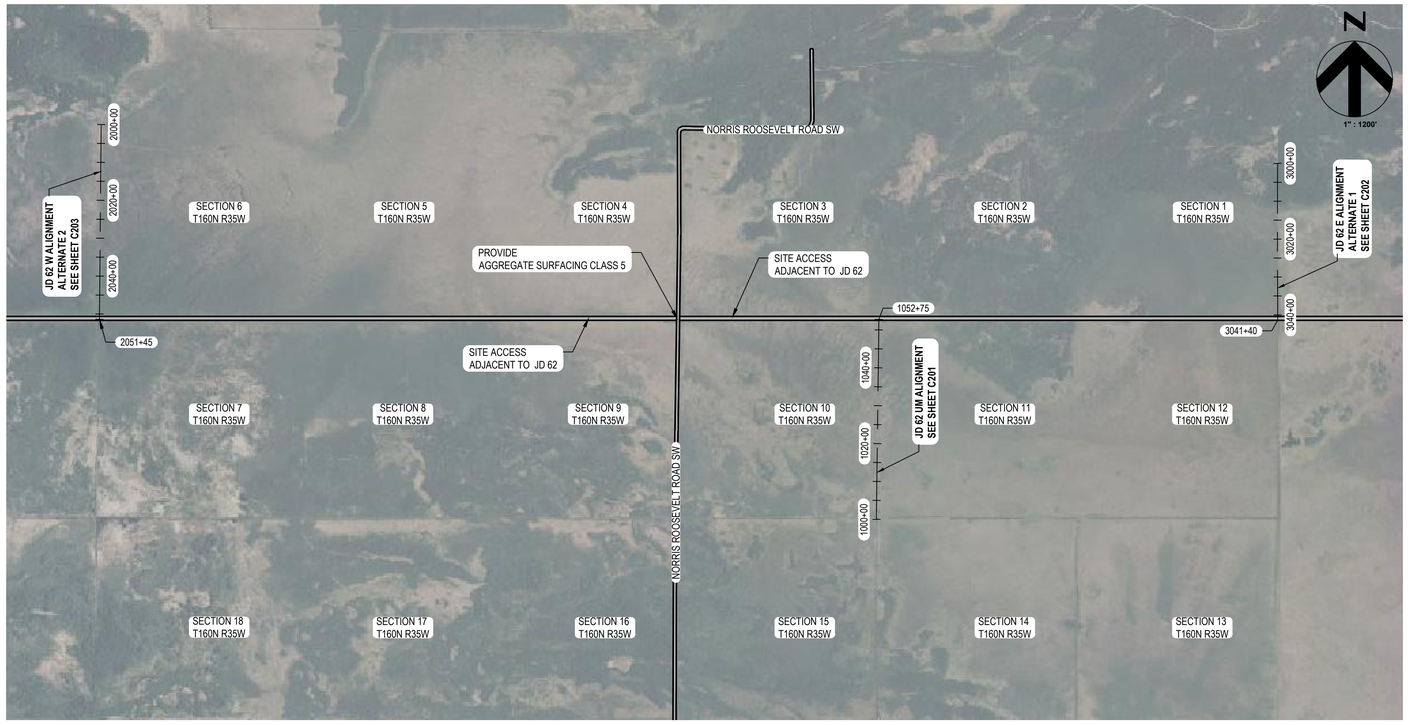
LAKE OF THE WOODS
SOIL AND WATER CONSERVATION DISTRICT

Contract Drawings For

Winter Road Peatland Restoration Project





Section 1, 6, & 10
Noyes Township
Lake of the Woods County, MN
March 31, 2026
ISSUED FOR CONSTRUCTION

INDEX OF SHEETS

GENERAL

G000	COVER SHEET
G001	NOTES, LEGEND, & ESTIMATED QUANTITES
G002	SITE MAP
G003	SWPPP NOTES
G004	SWPPP STANDARD DETAILS
G005	SURFACE WATERS MAP

PLAN VIEWS

C201	JD 62 UM PLAN VIEW
C202	JD 62 E PLAN VIEW
C203	JD 62 W PLAN VIEW

CIVIL DETAILS

C501	TYPICAL DETAILS

DATUM

ELEVATIONS LISTED IN THIS PLAN REFER TO NAVD 88 VERTICAL DATUM.

UTILITY NOTE

THE SUBSURFACE UTILITY INFORMATION IN THE PLAN IS UTILITY LEVEL D. THIS UTILITY QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF C1/ASCE 38-02, ENTITLED "STANDARD GUIDELINE FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA. STATE LAW REQUIRES THE EXCAVATOR TO CONTACT GOPHER STATE ONE-CALL AT (800) 252-1166 FOR UTILITY LOCATION 48 HOURS PRIOR TO START OF EXCAVATION.

THIS PLAN CONTAINS 10 SHEETS

NOTE

- THE CONTRACTOR SHALL COMPLY WITH THE PROVISIONS IN THE PROJECT MANUAL DIVISION 01, (01 30 00) INVASIVE SPECIES PREVENTION, IN COMPLETING THE WORK.
- ALL NECESSARY EASEMENTS, PERMITS, AND RIGHT 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 APRIL 1ST AND AUGUST 15TH.
- NOTE WORK IN WATER EXCLUSION DATES OUTLINED IN PUBLIC WATERS WORK PERMIT.
- PREBID SITE EXAMINATION SHALL BE COORDINATED WITH EWR DIVISION STAFF. ANY MOTORIZED VEHICLE ALLOWED ON THE TRAIL SHALL BEAR THE COMPANY'S IDENTIFICATION ON THE SIDES OF THE VEHICLE. VEHICLES MUST UTILIZE FLASHERS, TRAVEL UNDER 20 MPH, AND YIELD THE RIGHT OF WAY (BY PULLING TO THE SIDE OF THE TRAIL AND STOPPING) TO ALL TRAIL USERS.
- DO NOT SCALE DRAWINGS.

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

DATE 03/31/2026 LICENSE # 58711

Dillon Nelson

DILLON NELSON

JD 62 UM STATEMENT OF ESTIMATED QUANTITIES		
DESCRIPTION	UNIT	QUANTITY
MOBILIZATION	LUMP SUM	1
NPDES PERMIT	LUMP SUM	1
MAINT AND RESTORATION OF HAUL ROADS	LUMP SUM	1
DITCH FILL	LUMP SUM	1
AGGREGATE SURFACING CLASS 5	CU YD	56
ANCHORAGES TYPE SPECIAL - DUCKBILL ANCHOR W/ 15 FEET 5/16" GALVANIZED CABLE	EACH	50
SITE RESTORATION	EACH	1
FLOATATION SILT CURTAIN TYPE MOVING WATER	LIN FT	80
EXCELSIOR BALE	EACH	70

JD 62 E STATEMENT OF ESTIMATED QUANTITIES - ALTERNATE 1		
DESCRIPTION	UNIT	QUANTITY
MOBILIZATION	LUMP SUM	1
MAINT AND RESTORATION OF HAUL ROADS	LUMP SUM	1
DITCH FILL	LUMP SUM	1
ANCHORAGES TYPE SPECIAL - DUCKBILL ANCHOR W/ 15 FEET 5/16" GALVANIZED CABLE	EACH	40
SITE RESTORATION	EACH	1
EXCELSIOR BALE	EACH	56

JD 62 W STATEMENT OF ESTIMATED QUANTITIES - ALTERNATE 2		
DESCRIPTION	UNIT	QUANTITY
MOBILIZATION	LUMP SUM	1
MAINT AND RESTORATION OF HAUL ROADS	LUMP SUM	1
DITCH FILL	LUMP SUM	1
ANCHORAGES TYPE SPECIAL - DUCKBILL ANCHOR W/ 15 FEET 5/16" GALVANIZED CABLE	EACH	40
SITE RESTORATION	EACH	1
EXCELSIOR BALE	EACH	56

(A) CONSTRUCTION NOTES

1. THE CONSTRUCTION MANUAL FOR THIS PROJECT SUPERCEDES THE CONSTRUCTION AND SOIL NOTES AS OUTLINED IN THIS PLAN.
2. A PRE-CONSTRUCTION MEETING IS REQUIRED ON SITE. THE FOLLOWING PARTIES MUST BE PRESENT: MINNESOTA DEPARTMENT OF NATURAL RESOURCES AND HDR (218-681-6100).
3. THE CONTRACTOR IS RESPONSIBLE FOR APPLYING FOR THE MINNESOTA NPDES/SDS CONSTRUCTION STORMWATER PERMIT (SWPPP) AND MEETING ALL REQUIREMENTS OF THE PERMIT. CONTRACTOR WILL BE RESPONSIBLE FOR IMPLEMENTATION AND MAINTENANCE OF EROSION AND SEDIMENT CONTROL MEASURES. THE CONTRACTOR WILL ACCEPT AND ENSURE ALL TERMS AND CONDITIONS OF THE PERMIT ARE IMPLEMENTED AND MAINTAINED.
4. THE CONTRACTOR WILL LOCATE AND PROTECT ALL UTILITIES WHETHER OR NOT THEY ARE SHOWN IN THE PLANS. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING GOPHER ONE CALL FOR A UTILITY LOCATE AT LEAST 72 HOURS PRIOR TO COMMENCEMENT OF WORK
5. CONSTRUCTION WINDOW: OCTOBER 2026 THROUGH FREEZE UP.
6. SITE ACCESS WILL BE ON ADJACENT NATURAL GROUND ALONG JUDICIAL DITCH 62. THE SPOIL BERM IS VARIABLE IN WIDTH AND HEIGHT, AND IS VEGETATED AND WET DURING MOST OF THE SEASON. CONTRACTOR WILL BE REQUIRED TO LAY VEGETATION DOWN AND DRIVE FROST DOWN.
7. ALL MATERIALS NOT DESIGNATED FOR SALVAGE WILL BECOME THE PROPERTY OF THE CONTRACTOR AND BE DISPOSED OF OUTSIDE THE PROJECT AREA.
8. CONSTRUCTION LIMITS TO BE IDENTIFIED IN THE FIELD BY THE ENGINEER OR REPRESENTATIVE.
9. ALL MEANS AND METHODS REQUIRED FOR ENTERING EACH SITE IS CONSIDERED TO BE INCLUDED UNDER MOBILIZATION. THIS INCLUDES AND IS NOT LIMITED TO TEMPORARY CROSSINGS, CLEARING AND GRUBBING, DRIVING FROST DOWN, ETC. MOBILIZATION WILL BE PAID AS A LUMP SUM WITH PARTIAL PAYMENTS MADE ACCORDING TO THE FOLLOWING SCHEDULE:
   - 9.1. WHEN 5 PERCENT OF THE ORIGINAL CONTRACT AMOUNT IS EARNED, 25 PERCENT OF THE AMOUNT BID FOR MOBILIZATION, OR 1.5 PERCENT OF THE ORIGINAL CONTRACT AMOUNT, WHICHEVER IS LESS, WILL BE PAID.
   - 9.2. WHEN 10 PERCENT OF THE ORIGINAL CONTRACT AMOUNT IS EARNED, 50 PERCENT OF THE AMOUNT BID FOR MOBILIZATION, OR 5 PERCENT OF THE ORIGINAL CONTRACT AMOUNT, WHICHEVER IS LESS, WILL BE PAID.
   - 9.3. WHEN 25 PERCENT OF THE ORIGINAL CONTRACT AMOUNT IS EARNED, 60 PERCENT OF THE AMOUNT BID FOR MOBILIZATION, OR 6 PERCENT OF THE ORIGINAL CONTRACT AMOUNT, WHICHEVER IS LESS, WILL BE PAID.
   - 9.4. WHEN 65 PERCENT OF THE ORIGINAL CONTRACT AMOUNT IS EARNED, 90 PERCENT OF THE AMOUNT BID FOR MOBILIZATION, OR 9 PERCENT OF THE ORIGINAL CONTRACT AMOUNT, WHICHEVER IS LESS, WILL BE PAID.
   - 9.5. WHEN 80 PERCENT OF THE ORIGINAL CONTRACT AMOUNT IS EARNED, 100 PERCENT OF THE AMOUNT BID FOR MOBILIZATION, OR 10 PERCENT OF THE ORIGINAL CONTRACT AMOUNT, WHICHEVER IS LESS, WILL BE PAID.
10. MAINTENANCE AND RESTORATION OF HAUL ROADS WILL INCLUDE BLADING AND RESTORING ACCESS ROADS TO A PRE-PROJECT CONDITION. THIS WILL INCLUDE REMOVAL OF RUTTING GREATER THAN 8 INCHES IN DEPTH.
11. DITCH FILL WILL INCLUDE PLACEMENT AND LEVELING OF BRUSH, WOODY DEBRIS, AND GRADING OF ADJACENT SPOIL INTO THE EXISTING DITCH SECTION. THIS ITEM ALSO INCLUDES BUTTRESSING OF COMMON EXCAVATION AT EXCELSIOR BALE LOCATIONS.
12. AGGREGATE SURFACING CLASS 5 WILL BE PLACED ON THE NORRIS ROOSEVELT ROAD AT THE EAST - WEST ACCESS ROUTES. LIMITS TO BE DEFINED BY THE ENGINEER IN THE FIELD.
13. ANCHORS TYPE SPECIAL INCLUDES ANCHOR HEADS, CRIMPS, 5/16" GALVANIZED CABLE, AND ALL MEANS AND METHODS REQUIRED TO INSTALL ANCHORS ACCORDING TO THE CONTRACT DRAWINGS. ALL ANCHORS WILL HAVE A MINIMUM BREAK STRENGTH OF 3000 LBS AND BE 15' IN LENGTH WITH 5/16" DIA. GALVANIZED CABLE. CONTRACTOR WILL ENSURE DUCKBILL ANCHOR IS INSTALLED AT LEAST 3' INTO MINERAL SOIL. ANCHORS WILL BE SET IN ACCORDANCE WITH THE MANUFACTURER INSTRUCTIONS. ANCHORS MAY BE INSTALLED DEEPER AS NEEDED TO ENSURE PROPER SECUREMENT OF EXCELSIOR BALES.
14. SITE RESTORATION INCLUDES BLADING AND RESTORING ADJACENT WORK LIMITS TO THE DITCH. THIS INCLUDES REMOVAL OF RUTS GREATER THAN 8 INCHES AND DEPTH AND REMOVAL OF ALL EXCAVATED OR REMOVED MATERIALS. OWNER OR ENGINEER WILL INSPECT PRIOR TO MOVING TO NEXT LOCATION FOR APPROVAL.
15. EXCELSIOR BALES WILL INCLUDE ALL MATERIAL, COMMON EXCAVATION, AND MEANS AND METHODS REQUIRED TO INSTALL IN ACCORDANCE WITH THE CONSTRUCTION DRAWINGS. COMMON EXCAVATION REQUIRED FOR INSTALLATION IS INCIDENTAL TO THE BID ITEM.
16. THE CONTRACTOR IS RESPONSIBLE FOR PERFORMING WORK NECESSARY FOR THE CONSTRUCTION OF THE PROJECT. THIS MAY INCLUDE BUT IS NOT LIMITED TO THE INSTALLATION OF COFFERDAMS AND THE USE OF PUMPS TO DEWATER THE SITE. SUCH WORK SHALL BE CONSIDERED INCIDENTAL TO INSTALLATION.
17. CONTRACTOR WILL SUBMIT PRODUCT DATA TO BE REVIEWED AND APPROVED BY ENGINEER FOR ALL ITEMS PRIOR TO PURCHASING MATERIALS.

(B) INVASIVE SPECIES PREVENTIVE

THE MINNESOTA DNR OPERATION ORDER 113 REQUIRES PREVENTING OR LIMITING THE INTRODUCTION, ESTABLISHMENT AND SPREAD OF INVASIVE SPECIES DURING ACTIVITIES ON PUBLIC WATERS AND DNR-ADMINISTERED LANDS. THE OWNER HAS DETERMINED THAT INVASIVE SPECIES ARE WITHIN THE PROJECT LIMITS.

INVASIVE SPECIES ARE DEFINED AS ANY NON-NATIVE SPECIES THAT CAUSES OR MAY CAUSE ECONOMIC OR ENVIRONMENTAL HARM OR HARM TO HUMAN HEALTH OR THREATENS OR MAY THREATEN NATURAL RESOURCES OR THE USE OF NATURAL RESOURCES IN THE STATE (PER MINNESOTA STATUTE 84D.01) PROHIBITED INVASIVE SPECIES ARE DEFINED IN MINNESOTA ADMINISTRATIVE RULE 6216.0250 AND REGULATED INVASIVE SPECIES ARE DEFINED IN MINNESOTA ADMINISTRATIVE RULE 6216.0260. THE CURRENT STATE LISTED NOXIOUS WEED SPECIES ARE DETERMINED BY THE MINNESOTA DEPARTMENT OF AGRICULTURE.

THE CONTRACTOR SHALL CONTROL AND PREVENT THE SPREADING OF INVASIVE SPECIES FROM ENTERING OR SPREADING WITHIN A PROJECT SITE BY MINIMIZING DISTURBANCE, CLEANING EQUIPMENT AND CLOTHING PRIOR TO ARRIVING AT THE PROJECT SITE AND APPLYING TREATMENTS AT THE APPROPRIATE TIME TO PREVENT SEED PRODUCTION AND SPREADING.

AT THE PRE-CONSTRUCTION MEETING, THE PROJECT MANAGER SHALL IDENTIFY THE KNOWN AREAS WITH INVASIVE SPECIES. THE CONTRACTOR SHALL SUBMIT A PLAN AT THE PRE-CONSTRUCTION MEETING FOR REDUCING THE SPREAD OF NOXIOUS WEEDS. THE PLAN MUST INCLUDE METHODS AND SEQUENCE OF WORK.

THE CONTRACTOR SHALL MINIMIZE THE SPREAD OF WEED SEED AND OTHER PROPAGULES FROM DESIGNATED INFESTED AREAS BY MINIMIZING DISTURBANCE AND BY CLEANING VEHICLES AND EQUIPMENT. CLEANING SHALL REMOVE SOIL AND VEGETATION DEBRIS FROM VEHICLES AND EQUIPMENT BEFORE MOVING OUT OF INFESTED AREAS OR MOVING INTO PROJECT LIMITS. NW INFESTED SOILS STOCKPILES SHALL BE SEPARATE FROM NON-INFESTED STOCKPILES.

THE OWNER OR FIELD ENGINEER SHALL INSPECT ALL EQUIPMENT AND CLOTHING AT THE STAGING AREA DETERMINED AT THE PRE-CONSTRUCTION MEETING. IF THE EQUIPMENT OR CLOTHING ARRIVES AT THE PROJECT SITE WITH SOIL, AGGREGATE MATERIAL, MULCH, VEGETATION (INCLUDING SEEDS) OR ANIMALS, IT SHALL BE CLEANED BY THE CONTRACTOR USING CONTRACTOR FURNISHED TOOLS OR EQUIPMENT (BRUSH/BROOM, COMPRESSED AIR OR PRESSURE WASHER) AT THE STAGING AREA. THE CONTRACTOR SHALL DISPOSE OF MATERIAL CLEANED FROM EQUIPMENT AND CLOTHING AT A LOCATION DETERMINED BY THE OWNER. IF THE MATERIAL CANNOT BE DISPOSED OF ONSITE, SECURE MATERIAL PRIOR TO TRANSPORT (SEALED CONTAINER, COVERED TRUCK, OR WRAP WITH TARP) AND LEGALLY DISPOSE OF OFFSITE. PRIOR TO LEAVING THE PROJECT LIMITS, THE CONTRACTOR SHALL CLEAN EQUIPMENT AND CLOTHING AND DISPOSE OF MATERIAL AS NOTED ABOVE.

AQUATIC EQUIPMENT USED IN INVERTEBRATE INFESTED WATERS SHALL BE DRIED BEFORE REUSE, RINSED WITH HOT WATER OR POWER WASHED TO REMOVE INVERTEBRATES. PRIOR TO LEAVING THE WATER BODY, DRAIN WATER FROM ALL EQUIPMENT. AQUATIC EQUIPMENT USED IN PATHOGEN INFESTED WATER(S) SHALL BE DISINFECTED, IMMEDIATELY AFTER EXITING THE WATER.

WHERE THERE ARE MULTIPLE SITES AND AT LEAST ONE CONTAINS INVASIVE SPECIES, THE INTENT IS TO START WORK AT THE SITE WITH THE FEWEST NUMBER OF INVASIVE PLANTS, LEAVING THE MOST HEAVILY INFESTED SITES TO LAST. THE CONTRACTOR SHALL MAKE EVERY EFFORT TO SCHEDULE OPERATIONS AND SITE VISITS TO AVOID THE SPREAD OF WEED SEED. WHEN PLANNING TO TRAVEL BETWEEN MULTIPLE SITES IN ONE DAY, THE CONTRACTOR SHALL SUBMIT THE SCHEDULE TO THE OWNER FOR REVIEW AND EITHER ACCEPTANCE OR REJECTION. THE CONTRACTOR SHALL NOT START WORK UNTIL THE SCHEDULE HAS BEEN ACCEPTED.

CIVIL SYMBOLOGY

- TREE FELLING
- FLOW ARROW
- WATER LEVEL IN SECTION/PROFILE
- SURVEY BENCHMARK
- EXCELSIOR BALE

DEPARTMENT OF NATURAL RESOURCES

Lake of the Woods SWCD Soil & Water Conservation District

HDR

ISSUE	DATE	DESCRIPTION
01	03/31/2026	ISSUED FOR CONSTRUCTION

PROJECT MANAGER	T. MCCORMACK
DESIGNER 1	A. FOTY
DESIGNER 2	E. ANDERSON
CHECKED BY	T. MCCORMACK
PROJECT NUMBER	10429346

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

DATE 03/31/2026 LICENSE # 58711

Dillon Nelson

Dillon Nelson

WINTER ROAD PEATLAND RESTORATION PROJECT

NOTES, LEGEND, & ESTIMATED QUANTITES

0 1" 2"

FILENAME	00G-001.DWG
SCALE	NONE

SHEET **G001**



PROJECT ALIGNMENTS			
ALIGNMENT	STARTING	ENDING	SHEET
JD 62 UM	STATIONING - 1000+00 NORTHING - 216403.26 (Y) EASTING - 441325.3813 (X)	STATIONING - 1052+75 NORTHING - 221678.1031 (Y) EASTING - 441386.7456 (X)	C201
JD 62 E	STATIONING - 2000+00 NORTHING - 225799.2902 (Y) EASTING - 451904.9093 (X)	STATIONING - 2051+45 NORTHING - 221659.5744 (Y) EASTING - 451930.4061(X)	C202
JD 62 UM W	STATIONING - 3000+00 NORTHING -226824.4394 (Y) EASTING - 420853.5468 (X)	STATIONING - 3041+40 NORTHING - 221680.0752 (Y) EASTING - 420809.5406 (X)	C203

MONUMENT AND GPS CONTROL
MN/DOT GEODETIC MONUMENT: GABBY
VERTICAL DATUM: NAVD 88
NORTHING - 196428.723 (Y)
EASTING - 752956.370 (X)
ELEVATION - 1160.788 FT (Z)
COORDINATE SYSTEM - LAKE OF THE WOODS COUNTY COORDINATE SYSTEM
GEOID MODEL - GEOID18
LOCATION: IN ROOSEVELT, 0.15 MILE NW ALONG TH 11 FROM THE JUNCTION OF TH 11 AND COUNTY ROAD 42 IN ROOSEVELT, AT TH 11 MILEPOST 105.1. 68.6 FEET NE OF TH 11, 22.4 FEET NW OF AN ENTRANCE, 1.7 FEET SOUTHWEST OF A RIGHT-OF-WAY POST, 1.5 FEET SE OF A WITNESS POST.

DEPARTMENT OF NATURAL RESOURCES

Lake of the Woods SWCD Soil & Water Conservation District

HDR

ISSUE	DATE	DESCRIPTION
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DATE 03/31/2026 LICENSE # 58711

Dillon Nelson

Dillon Nelson

WINTER ROAD PEATLAND RESTORATION PROJECT

SITE MAP

0 1" 2"

FILENAME 00G-002.DWG

SCALE 1" = 1200'

SHEET G002

STORMWATER POLLUTION PREVENTION PLAN (SWPPP) NARRATIVE

PROJECT LOCATION

THE PROJECT IS LOCATED IN SECTIONS 1, 6, AND 10 OF NOYES TOWNSHIP IN LAKE OF THE WOODS COUNTY, APPROXIMATELY 9 MILES SOUTH OF THE CITY OF ROOSEVELT. THE PROPOSED PROJECT IS THREE INDIVIDUAL LOCATIONS WITH A TOTAL LENGTH OF APPROXIMATELY 3 MILES.

PROJECT SCOPE OF WORK

THE MINNESOTA DEPARTMENT OF NATURAL RESOURCES AND LAKE OF THE WOODS SOIL AND WATER CONSERVATION DISTRICT ARE WORKING IN CONJUNCTION TO RESTORE PRE-DEVELOPMENT HYDROLOGY WITHIN THREE REACHES OF JUDICIAL DITCH 62.

SPECIAL AND IMPAIRED WATERS

THERE ARE NO SPECIAL OR IMPAIRED WATERS WITHIN ONE MILE OF THE PROJECT.

ENVIRONMENTALLY SENSITIVE AREAS

THIS PROJECT IS LOCATED WITHIN THE WINTER ROAD LAKE PEATLAND SCIENTIFIC AND NATURAL AREA (SNA).

LONG TERM MAINTENANCE AND OPERATION

THE MINNESOTA DEPARTMENT OF NATURAL RESOURCES IS RESPONSIBLE FOR THE LONG TERM MAINTENANCE AND OPERATIONS OF THE PERMANENT STORMWATER SYSTEM.

SWPPP TRAINING

THIS SWPPP WAS PREPARED BY HDR, INC. PERSONAL THAT ARE CERTIFIED IN THE DESIGN OF CONSTRUCTION SWPPPS. COPIES OF THE CERTIFICATIONS ARE ON FILE WITH HDR, INC. AND ARE AVAILABLE UPON REQUEST. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING A CERTIFIED EROSION CONTROL SUPERVISOR THAT IS RESPONSIBLE FOR OVERSEEING THE IMPLEMENTATION OF THE SWPPP. THE CONTRACTOR MUST PROVIDE PROOF OF CERTIFICATION AT THE PRE-CONSTRUCTION MEETING AND WILL NOT BE ALLOWED TO COMMENCE WORK UNTIL PROOF OF CERTIFICATION HAS BEEN PROVIDED TO THE PROJECT ENGINEER.

EROSION CONTROL SUPERVISOR, INSTALLATION, INSPECTION, AND MAINTENANCE

THE CONTRACTOR WILL PROVIDE A CERTIFIED EROSION CONTROL SUPERVISOR IN GOOD STANDING WHO IS KNOWLEDGEABLE AND EXPERIENCED IN THE APPLICATION OF EROSION PREVENTION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES. THE EROSION CONTROL SUPERVISOR IS INCIDENTAL.

THE EROSION CONTROL SUPERVISOR WILL WORK WITH THE PROJECT ENGINEER TO OVERSEE THE IMPLEMENTATION OF THE SWPPP AND THE INSTALLATION, INSPECTION, AND MAINTENANCE OF THE EROSION PREVENTION AND SEDIMENT CONTROL BMPS BEFORE, DURING, AND AFTER CONSTRUCTION UNTIL THE NOTICE OF TERMINATION HAS BEEN FILED WITH THE MPCA.

THE EROSION CONTROL SUPERVISOR IS RESPONSIBLE FOR COMPLYING WITH ALL THE INSPECTION AND MAINTENANCE REQUIREMENTS STATED IN THE NPDES/SDS GENERAL PERMIT. INSPECTION OF THE ENTIRE CONSTRUCTION SITE WILL OCCUR A MINIMUM OF ONCE EVERY THREE DAYS DURING ACTIVE CONSTRUCTION AND WITHIN 24 HOURS AFTER A RAINFALL EVENT GREATER THAN 0.5 INCHES IN 24 HOURS. THE EROSION CONTROL SUPERVISOR WILL THOROUGHLY INSPECT ALL EROSION PREVENTION AND SEDIMENT CONTROL BMPS TO ENSURE INTEGRITY AND EFFECTIVENESS OF EACH BMP. ALL INSPECTIONS AND MAINTENANCE CONDUCTED DURING CONSTRUCTION MUST BE REPORTED IN WRITING AND THESE MUST BE RETAINED WITH THE SWPPP. INSPECTION REPORTS MUST BE SUBMITTED TO THE PROJECT ENGINEER IN A FORMAT THAT MEETS OR EXCEEDS THE PROJECT ENGINEERS EXPECTATIONS. RECORDS OF EACH INSPECTION AND MAINTENANCE ACTIVITY SHALL INCLUDE:

A. DATE AND TIME OF THE INSPECTION
B. NAME OF PERSONS CONDUCTING THE INSPECTION
C. FINDINGS OF INSPECTION INCLUDING RECOMMENDATIONS FOR CORRECTIVE ACTIONS
D. DATE AND AMOUNT OF ALL RAINFALL EVENTS GREATER THAN 0.5 INCHES IN 24 HOURS
E. DOCUMENT ANY CHANGES MADE TO THE SWPPP

AMENDMENTS TO THE SWPPP APPROVED BY THE PROJECT ENGINEER MAY BE DOCUMENTED IN A JOURNAL OR RED LINED ON THE SWPPP PLAN SET SHEETS. STORE THE SWPPP AND ALL AMENDMENTS ON SITE AT ALL TIMES.

ENVIRONMENTAL REVIEW

THERE ARE NO STORMWATER MITIGATION MEASURES REQUIRED AS A RESULT OF AN ENVIRONMENTAL, ARCHEOLOGICAL, OR AGENCY REVIEW. ALL MITIGATION MEASURES HAVE BEEN ADDRESSED IN THIS PLAN SET OR THE SPECIAL PROVISIONS.

LAND FEATURE CHANGES

TOTAL DISTURBED AREA: 7 ACRES
TOTAL JD 62 UM DISTURBED AREA: 2.7 ACRES
TOTAL JD 62 E DISTURBED AREA: 2.1 ACRES
TOTAL JD 62 W DISTURBED AREA: 2.2 ACRES
THERE ARE NO EXISTING OR PROPOSED IMPERVIOUS SURFACES WITHIN THE PROJECT LIMITS OF DISTURBANCE.

PROJECT CONTACTS

THE CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTATION OF THE SWPPP AND INSTALLATION INSPECTION AND MAINTENANCE OF THE EROSION PREVENTION AND SEDIMENT CONTROL BMPS BEFORE, DURING, AND AFTER CONSTRUCTION UNTIL THE NOTICE OF TERMINATION HAS BEEN FILED.

PROJECT OWNER: MINNESOTA DEPARTMENT OF NATURAL RESOURCES
PROJECT ENGINEER: DILLON NELSON - HDR, INC. (218) 681-6100
PROJECT CONTRACTOR: TO BE DETERMINED AT PRE-CONSTRUCTION MEETING
SWPPP DESIGNER: DILLON NELSON - HDR, INC. (218) 681-6100

MPCA 24-HOUR EMERGENCY NOTIFICATION (651) 649-5451 OR 1-800-422-0798

GENERAL SWPPP NOTES FOR CONSTRUCTION ACTIVITIES

1) CHAIN OF RESPONSIBILITY

THE GENERAL CONTRACTOR IS RESPONSIBLE FOR DEVELOPING A CHAIN OF RESPONSIBILITY WITH THE SITE OPERATORS AND MUST OVERSEE IMPLEMENTATION OF THE SWPPP, INCLUDING THE INSTALLATION, MAINTENANCE, AND INSPECTION OF EROSION PREVENTION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs). THE SWPPP MUST BE IMPLEMENTED AND STAY IN EFFECT UNTIL THE PROJECT IS COMPLETE, THE ENTIRE SITE HAS ACHIEVED FINAL STABILIZATION, AND A NOTICE OF TERMINATION HAS BEEN SUBMITTED TO THE MPCA.

2) PRE-CONSTRUCTION PRACTICES

BEFORE LAND-DISTURBING ACTIVITIES OCCUR, THERE ARE SEVERAL PRINCIPLES THAT CAN BE FOLLOWED TO HELP CONTROL EROSION AND MITIGATE SEDIMENT RUNOFF. THEY INCLUDE:

DELINEATE AREAS NOT TO BE DISTURBED PRIOR TO CONSTRUCTION.

INSTALL DOWNSLOPE AND SIDESLOPE PERIMETER CONTROLS.

DO NOT DISTURB AN AREA UNTIL IT IS NECESSARY FOR CONSTRUCTION TO PROCEED.

SCHEDULE ACTIVITIES TO LIMIT IMPACT FROM SEASONAL CLIMATE CHANGES OR WEATHER EVENTS.

PLAN TO COVER OR STABILIZE DISTURBED AREAS AS SOON AS POSSIBLE.

3) SOIL STABILIZATION

ALL EXPOSED AREAS, INCLUDING STOCKPILES, MUST BE STABILIZED. STABILIZATION MUST BE INITIATED IMMEDIATELY TO LIMIT SOIL EROSION WHEN CONSTRUCTION ACTIVITY HAS PERMANENTLY OR TEMPORARILY CEASED ON ANY PORTION OF THE SITE AND WILL NOT RESUME FOR A PERIOD EXCEEDING (7) SEVEN CALENDAR DAYS. STABILIZATION MUST BE COMPLETED NO LATER THAN (7) SEVEN CALENDAR DAYS AFTER CONSTRUCTION HAS CEASED. THE NORMAL WETTED PERIMETER OF THE LAST 200 FEET MUST BE STABILIZED FROM THE SITE WITHIN 24 HOURS AFTER CONNECTING TO THE PROJECT LIMIT. STABILIZATION OF THE REMAINING PORTIONS UPSTREAM OF THAT 200 FEET MUST BE COMPLETED WITHIN 7 DAYS. TEMPORARY STOCKPILES WITHOUT SIGNIFICANT CLAY OR ORGANIC COMPONENTS AND THE CONSTRUCTED BASE COMPONENTS OF ROADWAYS ARE EXEMPT FROM THIS REQUIREMENT.

4) SEEDING

IN AREAS WHERE CONSTRUCTION ACTIVITIES WILL BE ABSENT FOR MORE THAN (7) SEVEN DAYS, TEMPORARY SEEDING SHOULD BE INCORPORATED TO PROVIDE TEMPORARY STABILIZATION. SEEDING MUST BE ACCOMPANIED BY MULCH, EROSION CONTROL BLANKET, OR TACKIFYING TO PROTECT THE SEED AND SOIL FROM EROSION DURING THE GERMINATION AND GROWTH PROCESS. IF SEEDING CANNOT BE ACCOMPLISHED DUE TO SEASONAL CONSTRAINTS, TEMPORARY STABILIZATION SUCH AS MULCH OR TACKIFIER MUST BE USED AND MAINTAINED UNTIL THE ACCOMPANYING SEED IS ESTABLISHED.

5) FLOATATION SILT CURTAIN

FLOATATION SILT CURTAIN IS A GEOTEXTILE FABRIC BARRIER INSTALLED IN WATERBODIES TO CONTAIN SEDIMENT NEAR THE BANKS OF THE WORK AREA WHILE THE SEDIMENT SETTLES TO THE BOTTOM OF THE WATER BODY. SILT CURTAIN WILL BE INSTALLED IN ACCORDANCE WITH MNDOT SPECIFICATIONS. PLACE FLOATATION SILT CURTAIN DOWNSTREAM OF PROJECT LIMITS AS SHOWN ON SHEET G004.

6) SEDIMENT CONTROL LOGS

SEDIMENT CONTROL LOG APPLICATIONS INCLUDE BUT ARE NOT LIMITED TO SLOPE STABILIZATION, CULVERT INLET PROTECTION, PERIMETER CONTROL, CHECK DAMS IN SWALES, AND TEMPORARY CONTAINMENT FOR STOCKPILES. THE BASIC INSTALLATION FOR A NET WRAPPED SEDIMENT CONTROL LOG IS TO PREPARE A SHALLOW TRENCH, AND SECURE THE LOG IN THE TRENCH USING STAKES OR LANDSCAPE PINS. ALTERNATIVELY, THE SEDIMENT CONTROL LOG CAN BE INSTALLED DIRECTLY ON SOIL SURFACES AND KEYED IN WITH TWO (2) INCHES OF SOIL PLACED ON THE UPSTREAM SIDE TO PROVIDE AN ADEQUATE SEAL. SEDIMENT CONTROL LOGS SHOULD BE INSTALLED BASED ON MANUFACTURER'S DIRECTIONS AND / OR APPROVED DETAILS. SEDIMENT CONTROL LOGS WILL BE PLACED PARALLEL TO THE DITCH CHANNEL, IMMEDIATELY ABOVE THE RIPRAP AS SHOWN IN DETAIL 3.

7) CONCRETE AND OTHER WASHOUT WASTE

EFFECTIVE CONTAINMENT MUST BE PROVIDED FOR ALL LIQUID AND SOLID WASTES GENERATED BY WASHOUT OPERATIONS (CONCRETE, STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS, AND OTHER CONSTRUCTION MATERIALS) RELATED TO PROJECT CONSTRUCTION. LIQUID AND SOLID WASHOUT WASTES MUST NOT CONTACT THE GROUND, AND THE CONTAINMENT MUST BE DESIGNED SO THAT IT DOES NOT RESULT IN RUNOFF FROM THE WASHOUT OPERATIONS OR AREAS. LIQUID AND SOLID WASTES MUST BE DISPOSED OF PROPERLY AND IN COMPLIANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL REQUIREMENTS. A SIGN MUST BE INSTALLED ADJACENT TO EACH WASHOUT FACILITY THAT REQUIRES SITE PERSONNEL TO USE THE PROPER FACILITIES FOR DISPOSAL OF CONCRETE AND OTHER WASHOUT WASTES.

8) VEHICLE TRACKING CONTROL (VTC)

VEHICLE TRACKING CONTROLS TYPICALLY CONSIST OF HARD, DENSE, DURABLE ROCK THAT IS ANGULAR AND RESISTANT TO WEATHER. TRACKING CONTROLS ARE DESIGNED TO CAUSE SOIL TO DISLODGE FROM EQUIPMENT AND VEHICLES AS THEY TRANSITION FROM DISTURBED SOILS TO OFF-SITE AREAS. VTCs MUST REMAIN IN PLACE UNTIL ACCESS TO THE PROJECT AREA IS NO LONGER NEEDED. DESIGNATED POINTS OF INGRESS AND EGRESS, WHERE TRAFFIC TRANSITIONS FROM A STABILIZED ROAD SURFACE (E.G., GRAVEL OR PAVEMENT) TO DISTURBED SOIL, ARE LIKELY TO NEED A VTC. VTCs MAY BE MOVED OR ELIMINATED AS ON-SITE CONDITIONS AND ACTIVITIES CHANGE. IF A VTC DOES NOT PROVIDE ADEQUATE CONTROL OF SEDIMENT TRACKOUT, SWEEPING OR OTHER CLEANUP MUST BE PERFORMED TO CLEAN SEDIMENT THAT HAS ESCAPED FROM THE CONSTRUCTION SITE.

9) INSPECTIONS

INSPECTIONS OF TEMPORARY EROSION AND SEDIMENT CONTROLS MUST BE CONDUCTED BY A TRAINED PERSON AT LEAST ONCE EVERY SEVEN (7) DAYS, AND WITHIN 24 HOURS AFTER A RAINFALL EVENT GREATER THAN 0.5 INCHES IN 24 HOURS.

10) MAINTENANCE

ALL NON-FUNCTIONAL BMPs MUST BE REPAIRED, REPLACED, OR SUPPLEMENTED WITH FUNCTIONAL BMPs, OR WHEN SEDIMENT REACHES $\frac{1}{2}$ OF THE HEIGHT OF THE DEVICE. MAINTENANCE MUST BE COMPLETED BY THE END OF THE NEXT BUSINESS DAY AFTER DISCOVERY. ADDITIONAL TIME MAY BE TAKEN IF FIELD CONDITIONS PREVENT ACCESS TO THE AREA. SUCH CASES MUST BE DOCUMENTED WITH THE SWPPP AND INSPECTION RECORDS.

MAINTENANCE PRACTICES INCLUDE:

SURFACE WATERS MUST BE INSPECTED FOR EVIDENCE OF EROSION AND SEDIMENT DEPOSITION. ALL DELTAS AND SEDIMENT DEPOSITED IN SURFACE WATERS AND DRAINAGE SYSTEMS MUST BE REMOVED, AND AREAS WHERE SEDIMENT REMOVAL RESULTS IN EXPOSED SOIL MUST BE RE-STABILIZED. THE REMOVAL AND STABILIZATION MUST TAKE PLACE WITHIN SEVEN (7) DAYS OF DISCOVERY.

11) FINAL STABILIZATION

ALL SOIL DISTURBING ACTIVITIES HAVE BEEN COMPLETED AND ALL SOILS ARE STABILIZED BY A UNIFORM PERENNIAL VEGETATIVE COVER WITH A DENSITY OF 70 PERCENT OF ITS EXPECTED FINAL GROWTH DENSITY.

ALL SEDIMENT HAS BEEN REMOVED FROM CONVEYANCE SYSTEMS, AND SLOPES AND DRAINAGEWAYS ARE STABILIZED WITH PERMANENT COVER.

ALL TEMPORARY SYNTHETIC AND STRUCTURAL EROSION PREVENTION AND SEDIMENT CONTROL BMPs HAVE BEEN REMOVED. BMPs DESIGNED TO DECOMPOSE ON SITE MAY BE LEFT IN PLACE.

12) NOTICE OF TERMINATION

A NOTICE OF TERMINATION MUST BE SUBMITTED TO THE MINNESOTA POLLUTION CONTROL AGENCY WITHIN 30 DAYS AFTER FINAL STABILIZATION HAS BEEN ACHIEVED ON ALL PORTIONS OF THE SITE.

DEPARTMENT OF NATURAL RESOURCES

Lake of the Woods SWCD Soil & Water Conservation District

HDR

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01	03/31/2026	ISSUED FOR CONSTRUCTION

PROJECT MANAGER	T. MCCORMACK
DESIGNER 1	A. FOTY
DESIGNER 2	E. ANDERSON
CHECKED BY	T. MCCORMACK
PROJECT NUMBER	10429346

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DATE 03/31/2026 LICENSE # 58711

Dillon Nelson

Dillon Nelson

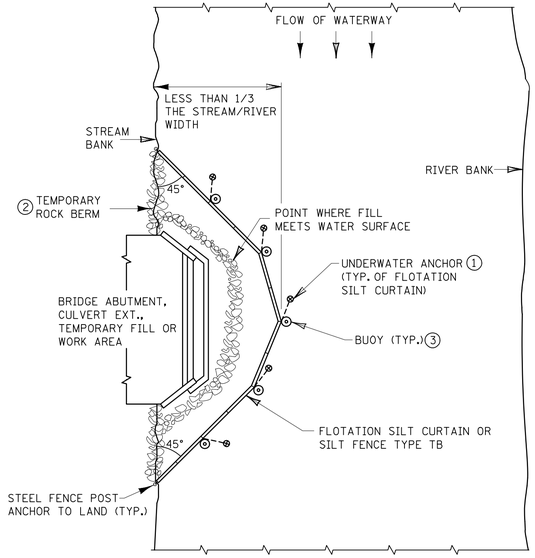
WINTER ROAD PEATLAND RESTORATION PROJECT

SWPPP NOTES

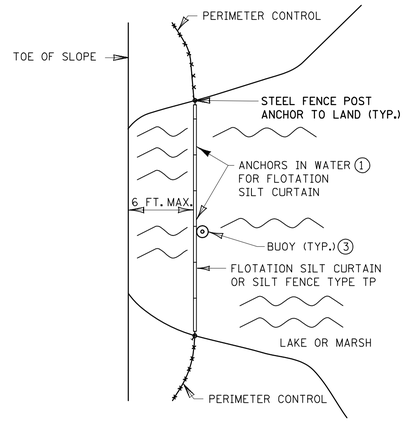
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SCALE	NONE

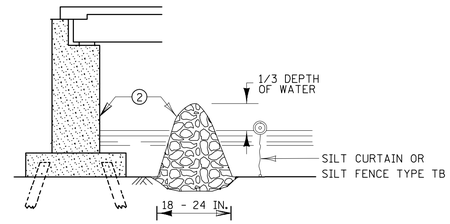
SHEET G003



PLAN VIEW FOR STREAM ⑤



PLAN VIEW FOR LAKE OR MARSH ⑤



TEMPORARY ROCK BERM
FOR SEDIMENT CONTROL

INSTALLATION GUIDELINES SILT FENCE TYPE TB

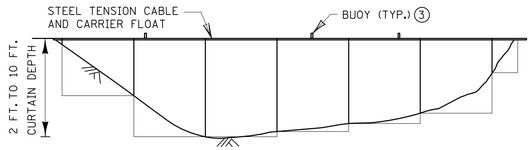
MINIMUM WATER DEPTH: 1 FT.
MAXIMUM WATER DEPTH: 3 FT.
MAXIMUM WATER VELOCITY: 5 FT./SEC.

INSTALLATION GUIDELINES ④ FLOTATION SILT CURTAIN TYPE: STILL WATER

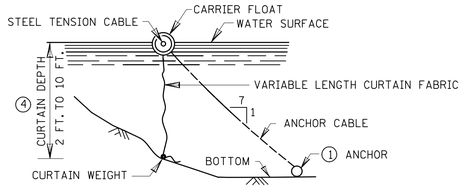
MINIMUM WATER DEPTH: 3 FT.
MAXIMUM WATER DEPTH: 10 FT.
MAXIMUM WATER VELOCITY: 2 FT./SEC.
MAXIMUM WAVE HEIGHT: 1 FT

INSTALLATION GUIDELINES ④ FLOTATION SILT CURTAIN TYPE: MOVING WATER

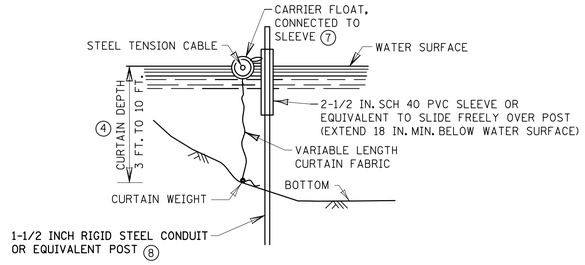
MINIMUM WATER DEPTH: 3 FT.
MAXIMUM WATER DEPTH: 10 FT.
MAXIMUM WATER VELOCITY: 5 FT./SEC.
MAXIMUM WAVE HEIGHT: 2 FT.



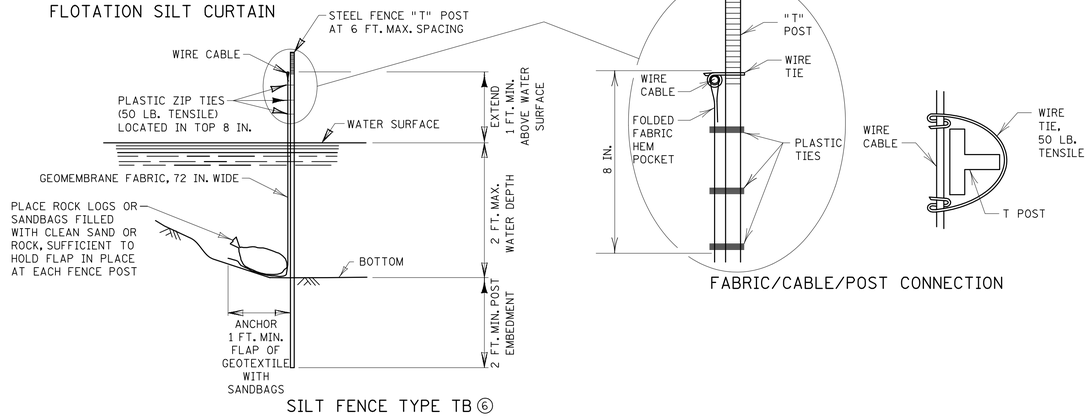
FRONT VIEW FOR FLOTATION SILT CURTAIN



FLOTATION SILT CURTAIN



ALTERNATE FLOTATION SILT CURTAIN



SILT FENCE TYPE TB ⑥

FABRIC/CABLE/POST CONNECTION

NOTES:

SEE SPECS. 2573, 3886, 3887 & 3893.

① FOR ANCHOR SPACING AND WEIGHT REQUIREMENTS, SEE SPEC. 2573.

② IN AREAS WHERE THE PLAN CALLS FOR RIPRAP AT A BRIDGE, CULVERT, OR SLOPE, A TEMPORARY ROCK BERM CONSTRUCTED FROM THE RIPRAP CAN BE USED TO PROVIDE ADDITIONAL PROTECTION. WHEN THE WORK IS COMPLETE THE RIPRAP CAN THEN BE MOVED TO THE PERMANENT LOCATION INDICATED IN THE PLANS. THE TEMPORARY ROCK BERM IS INCIDENTAL.

③ 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.

④ MINIMUM WATER DEPTH APPLIES TO THE DEEPEST POINT ALONG THE FLOTATION SILT CURTAIN OR SILT FENCE TYPE TB FOR DETERMINING APPLICABILITY OF FLOTATION SILT CURTAIN OR SILT FENCE TYPE TB.

⑤ SILT CURTAIN SHOULD BE REMOVED WHEN THE AREA CONTRIBUTING DIRECT RUNOFF HAS BEEN TEMPORARILY OR PERMANENTLY STABILIZED. SILT CURTAIN SHOULD ALSO BE REMOVED BEFORE WINTER IF ICE UP OR ICE FLOW IS ANTICIPATED.

⑥ EMBED POST INTO BOTTOM A MINIMUM OF 40% OF THE WATER DEPTH (INCLUDING WAVE HEIGHT), BUT IN NO CASE SHALL EMBEDMENT BE LESS THAN 2 FEET.

⑦ 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.

⑧ PROVIDE SUFFICIENT NUMBER OF POST ANCHORS TO MAINTAIN SILT CURTAIN POSITION.

DEPARTMENT OF NATURAL RESOURCES

Lake of the Woods SWCD Soil & Water Conservation District

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DESIGNER 1	A. FOTY
DESIGNER 2	E. ANDERSON
CHECKED BY	T. MCCORMACK
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Dillon Nelson

Dillon Nelson

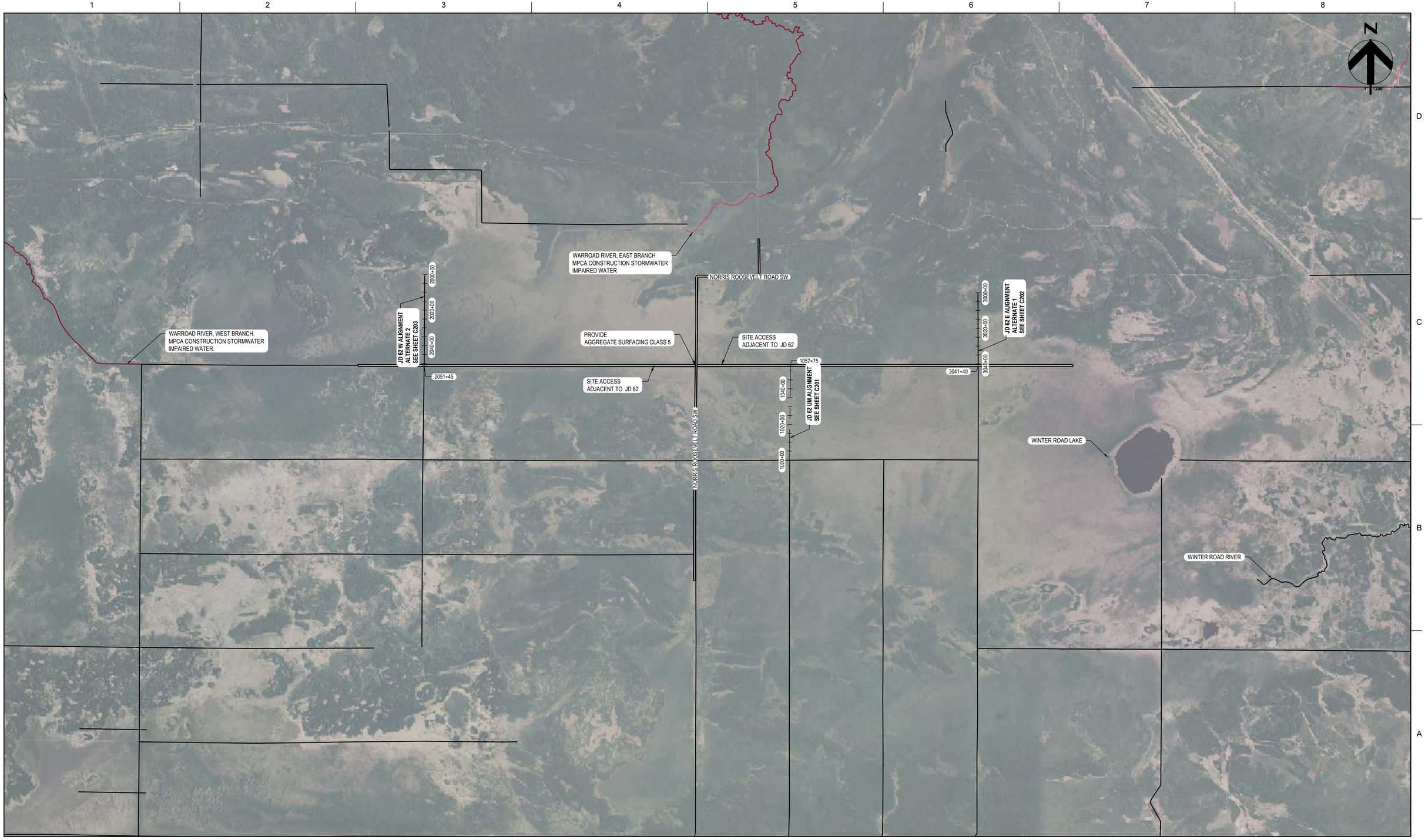
WINTER ROAD PEATLAND RESTORATION PROJECT

SWPPP STANDARD DETAILS FLOATING SILT CURTAIN

0 1" 2"

FILENAME G004.DWG
SCALE NONE

SHEET G004



DEPARTMENT OF NATURAL RESOURCES

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WINTER ROAD PEATLAND RESTORATION PROJECT

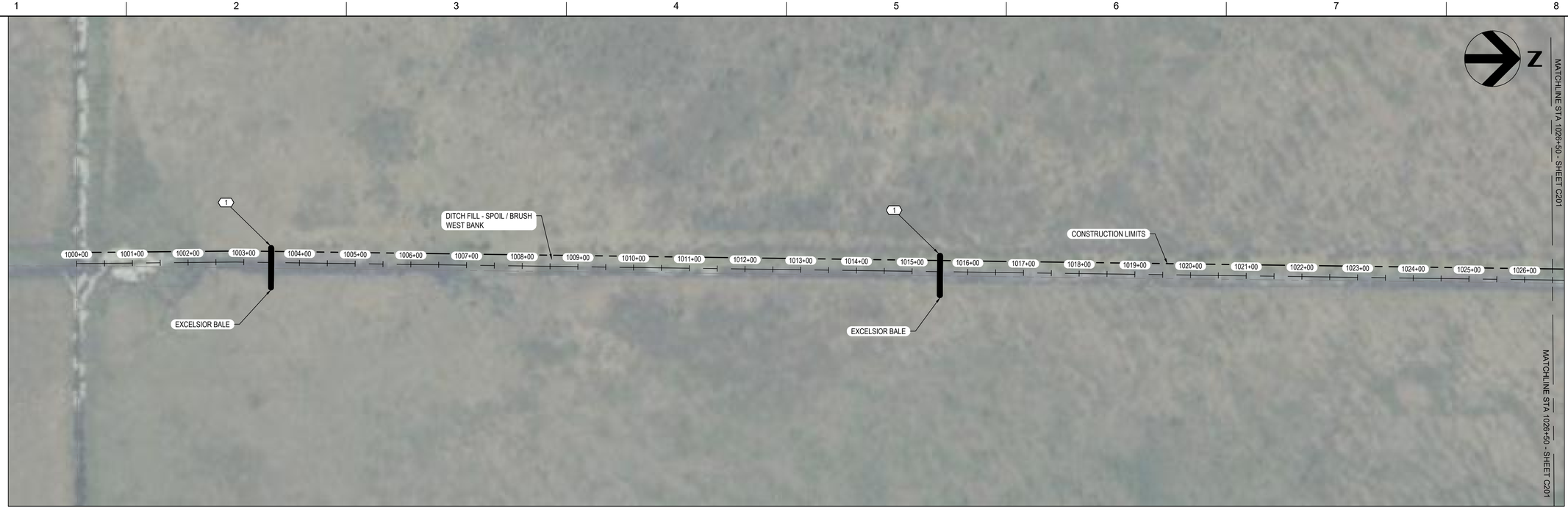
SURFACE WATERS MAP

0 1" 2"

FILENAME 00G-005.DWG

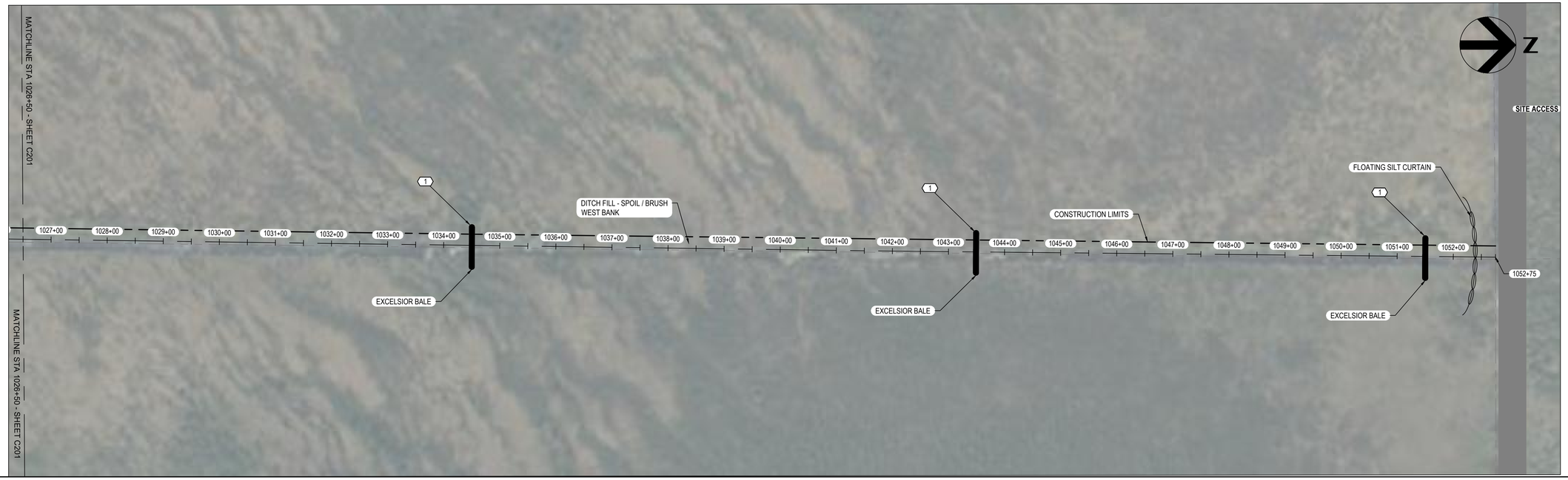
SCALE 1" = 1200'

SHEET G005



KEYNOTES (#)

1. SEE DETAIL 1/C501



DEPARTMENT OF NATURAL RESOURCES

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WINTER ROAD PEATLAND RESTORATION PROJECT

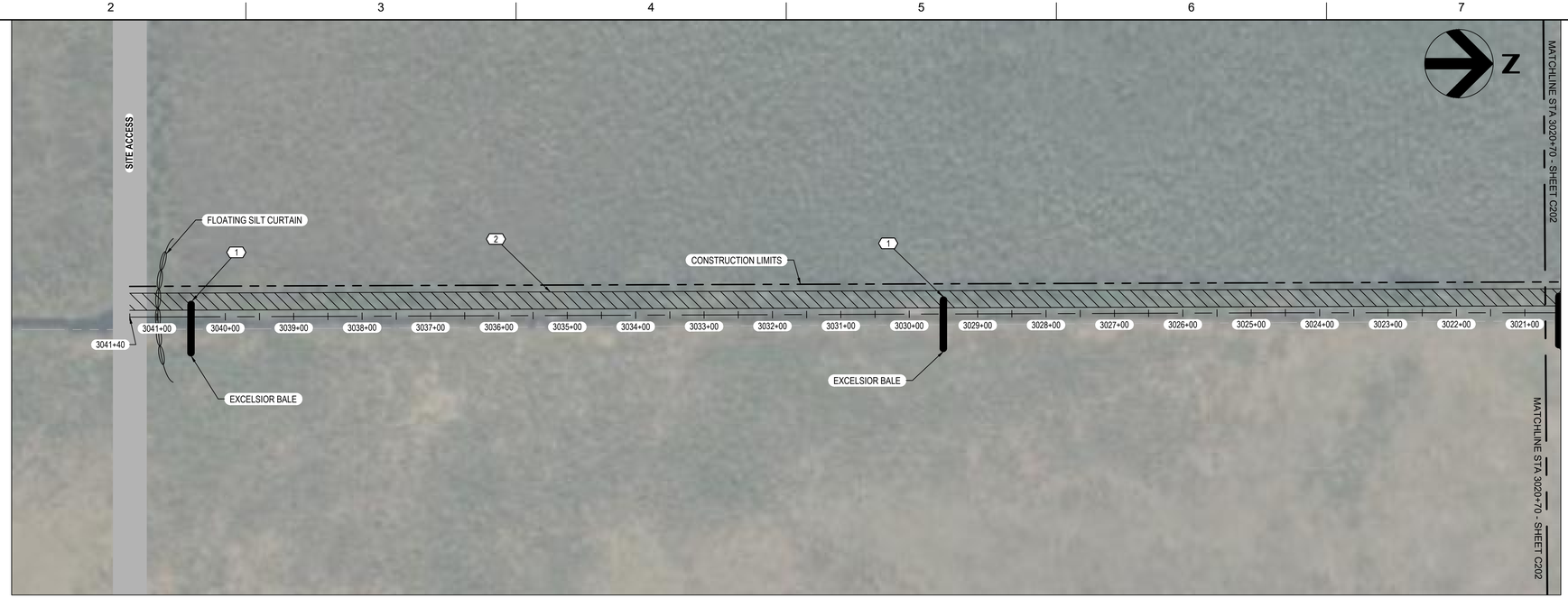
JD 62 UM
PLAN VIEW

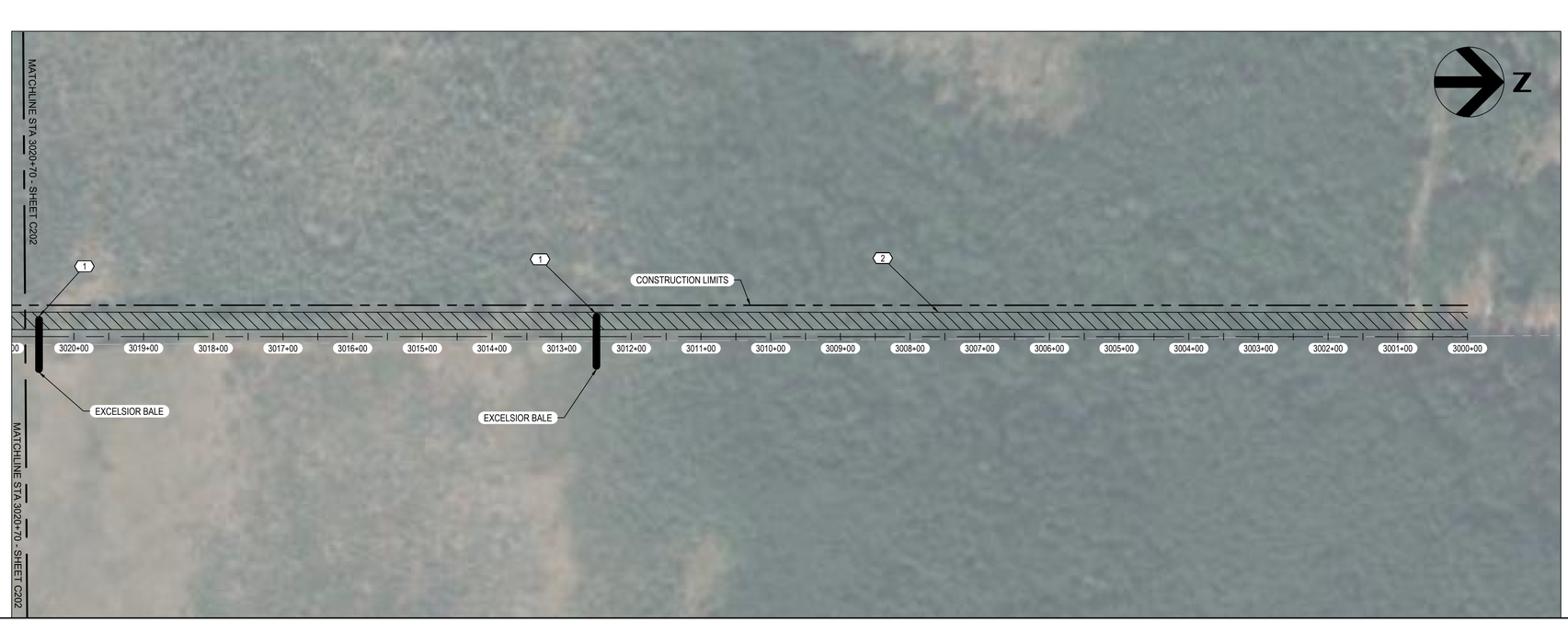
0 1" 2"

FILENAME 00C-201.DWG

SCALE 1" = 100'

SHEET **C201**





KEYNOTES

1. SEE DETAIL 1/C501
2. SEE DETAIL 2/C501

DEPARTMENT OF NATURAL RESOURCES

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WINTER ROAD PEATLAND RESTORATION PROJECT

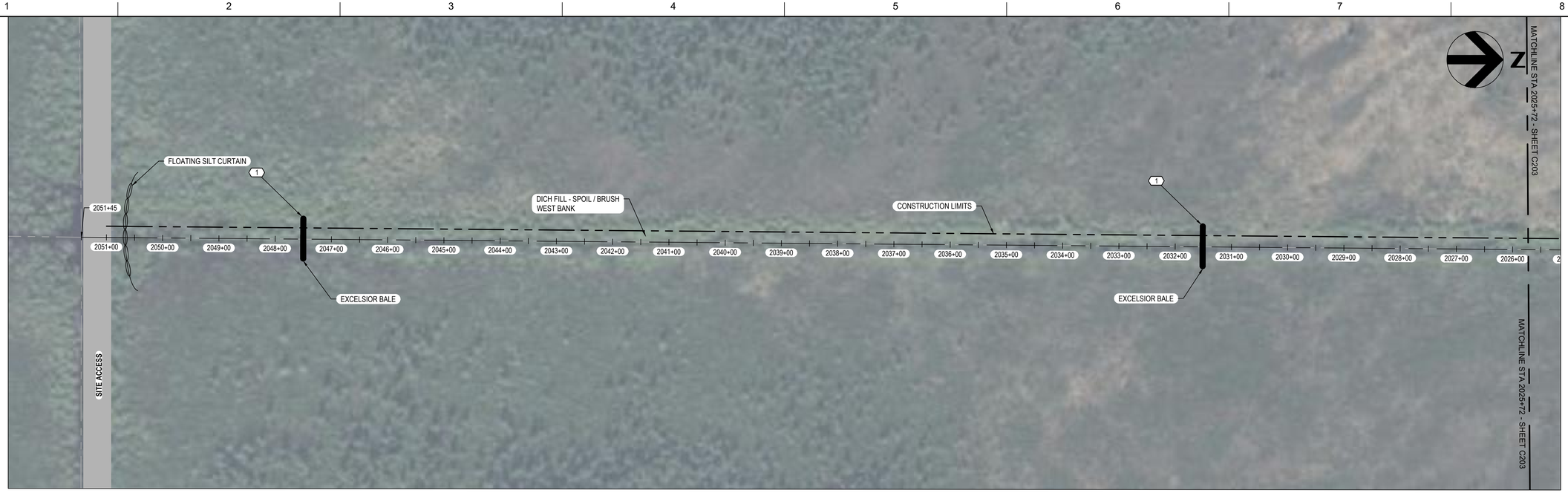
JD 62 E PLAN VIEW ALTERNATE 1

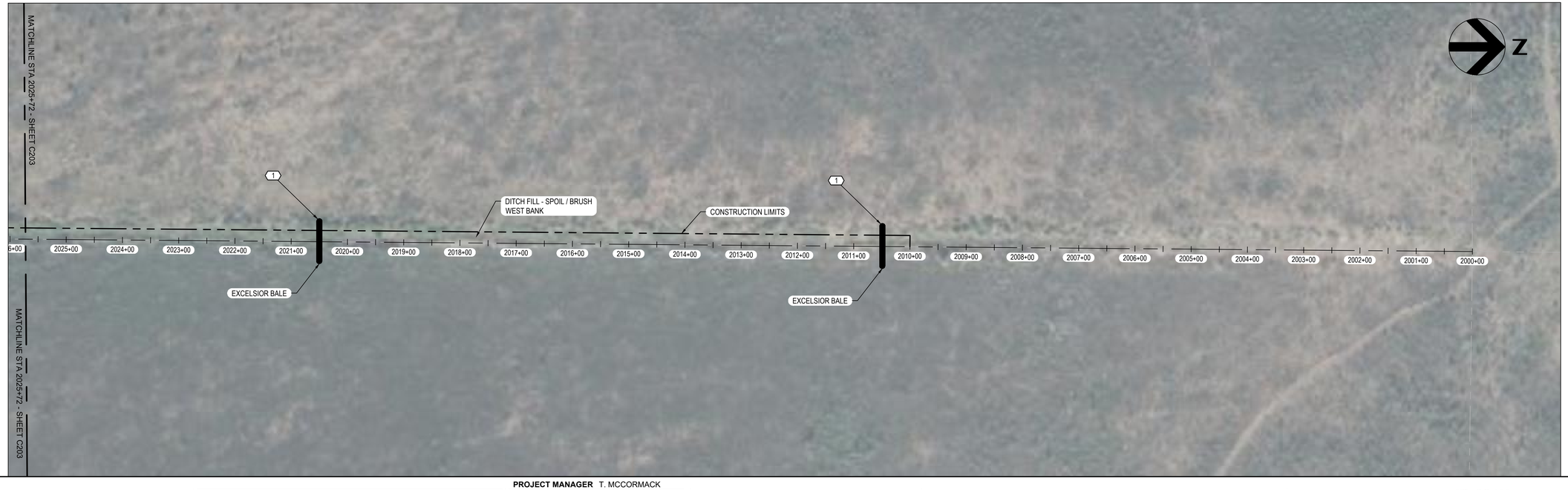
0 1" 2"

FILENAME 00C-202.DWG

SCALE 1" = 100'

SHEET C202





KEYNOTES (#)

1. SEE DETAIL 1/C501

DEPARTMENT OF NATURAL RESOURCES

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WINTER ROAD PEATLAND RESTORATION PROJECT

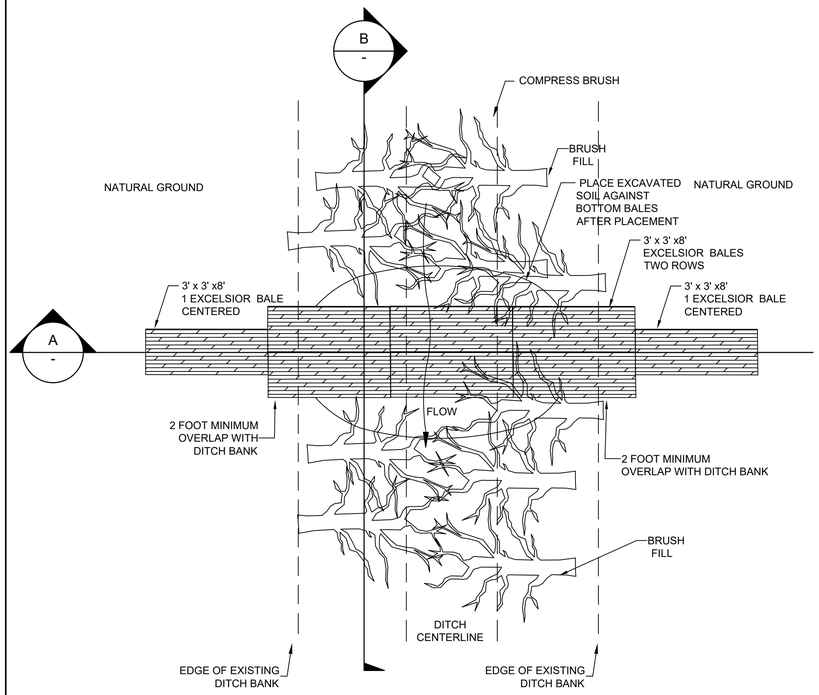
JD 62 W
PLAN VIEW
ALTERNATE 2

0 1" 2"

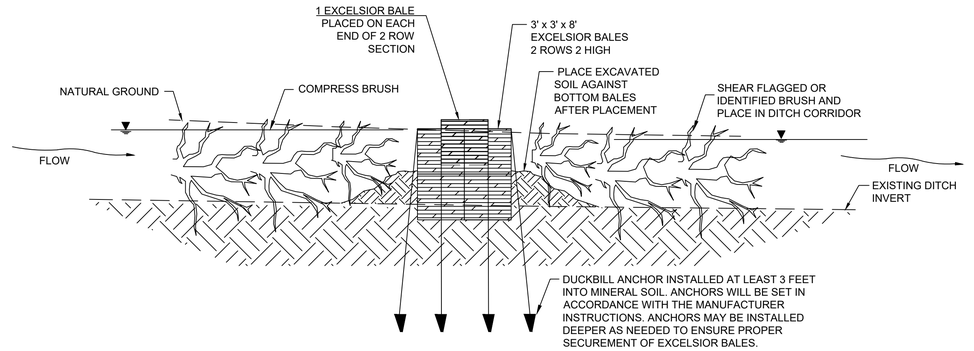
FILENAME 00C-203.DWG

SCALE 1" = 100'

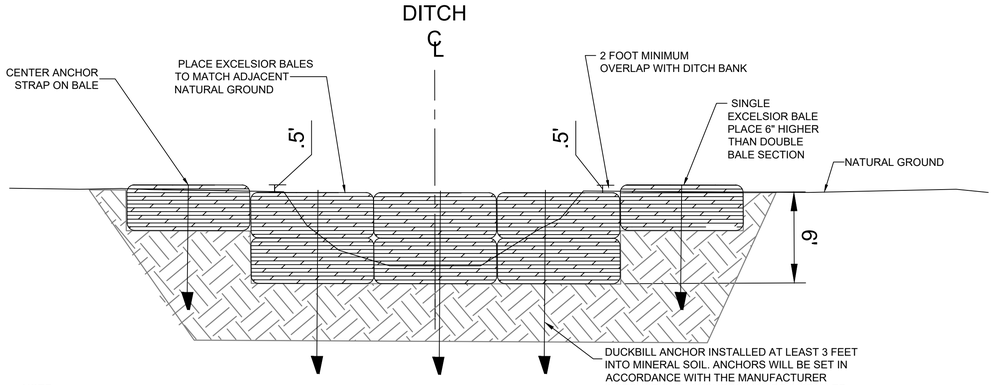
SHEET C203



EXCELSIOR BALE DITCH PLUG
PLAN VIEW
SCALE: 1" = 5'
1
C501



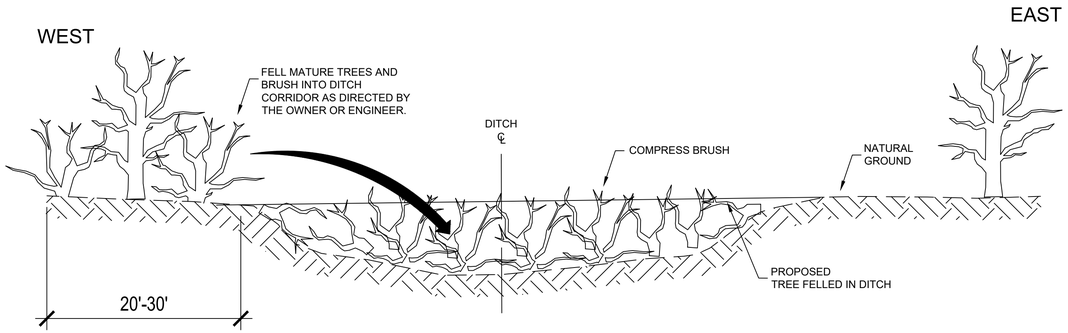
EXCELSIOR BALE
DITCH PLUG
SCALE: 1" = 5'
B
-



NOTE

ENGINEER OR OWNER MAY FIELD FIT THE EXCELSIOR BALE LOCATIONS BASED ON DITCH DIMENSIONS AS NEEDED.

EXCELSIOR BALE
CROSS SECTION
SCALE: 1" = 5'
A
-



TREE FELLING
CROSS-SECTION
SCALE: 1" = 5'
2
C501

TREE FELLING IN DITCH	
ALIGNMENT	STATION
JD 62 E	2000+00 TO 2051+45

NOTE

USE TREES AND BRUSH ON THE WEST SIDE OF DITCH TO FILL IN THE DITCH TO MATCH NATURAL GROUND.

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WINTER ROAD PEATLAND RESTORATION PROJECT

TYPICAL DETAILS

0 1" 2"

FILENAME 00C-501.DWG

SCALE 1" = 5'

SHEET C501