

PAJTSHENG & NTXHI ESTATES

TITLE SHEET, LEGEND, EXISTING CONDITIONS & REMOVAL PLAN

LINWOOD TOWNSHIP, MINNESOTA

LEGEND *

| | |
|--------|--|
| OHW | EXISTING OVERHEAD ELECTRIC |
| TEL | EXISTING UNDERGROUND TELEPHONE |
| CBL | EXISTING UNDERGROUND CABLE |
| □ | EXISTING TELEPHONE PEDESTAL |
| ■ | EXISTING ELECTRICAL PEDESTAL |
| □ | EXISTING CABLE PEDESTAL |
| ○ | EXISTING LIGHT POLE |
| ○ | EXISTING STORM SEWER |
| — | EXISTING WATER MAIN |
| — | EXISTING SANITARY SEWER |
| FM | EXISTING FORCEMAN |
| ○ | EXISTING STORM MANHOLE |
| □ | EXISTING CATCH BASIN |
| ▲ | EXISTING FLARED-END SECTION |
| ○ | EXISTING GATE VALVE |
| ○ | EXISTING HYDRANT |
| ○ | EXISTING WELL |
| ○ | EXISTING SANITARY SEWER MANHOLE |
| 928 | EXISTING CONTOUR |
| 930 | EXISTING SPOT ELEVATION |
| 920.99 | EXISTING SPOT ELEVATION (MATCH INTO ELEVATION) |
| 907.42 | EXISTING BITUMINOUS |
| BT1 | EXISTING TREES |
| × | EXISTING TREE TO BE REMOVED |
| — | SURFACE DRAINAGE DIRECTION |
| — | EXISTING FENCE |
| ○ | EXISTING RETAINING WALL |
| — | EXISTING WETLAND |
| WET | EXISTING WETLAND |

* NOT ALL SYMBOLS ARE APPLICABLE.

GENERAL NOTES

THE INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF EXISTING UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO TYPE AND LOCATION OF UTILITIES AS NECESSARY TO AVOID DAMAGE TO THESE UTILITIES.

CALL "811" FOR EXISTING UTILITIES LOCATIONS PRIOR TO ANY EXCAVATIONS.

THE CONTRACTOR SHALL FIELD VERIFY SIZE, ELEVATION, AND LOCATION OF EXISTING SANITARY SEWER, STORM SEWER, AND WATER MAIN AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO THE START OF INSTALLATIONS.

INSTALLATIONS SHALL CONFORM TO THE CITY STANDARD SPECIFICATIONS AND DETAIL PLATES.

ALL UTILITIES THAT WILL BE OWNED AND MAINTAINED BY THE CITY AFTER CONSTRUCTION SHALL BE BUILT TO CITY STANDARDS.

THE CONTRACTOR SHALL NOTIFY CITY PUBLIC WORKS DEPARTMENT A MINIMUM OF 24 HOURS PRIOR TO THE INTERRUPTION OF ANY SEWER OR WATER SERVICES TO EXISTING HOMES OR BUSINESSES.

THE CONTRACTOR SHALL OBTAIN A RIGHT-OF-WAY PERMIT FROM THE CITY PRIOR TO ANY WORK.

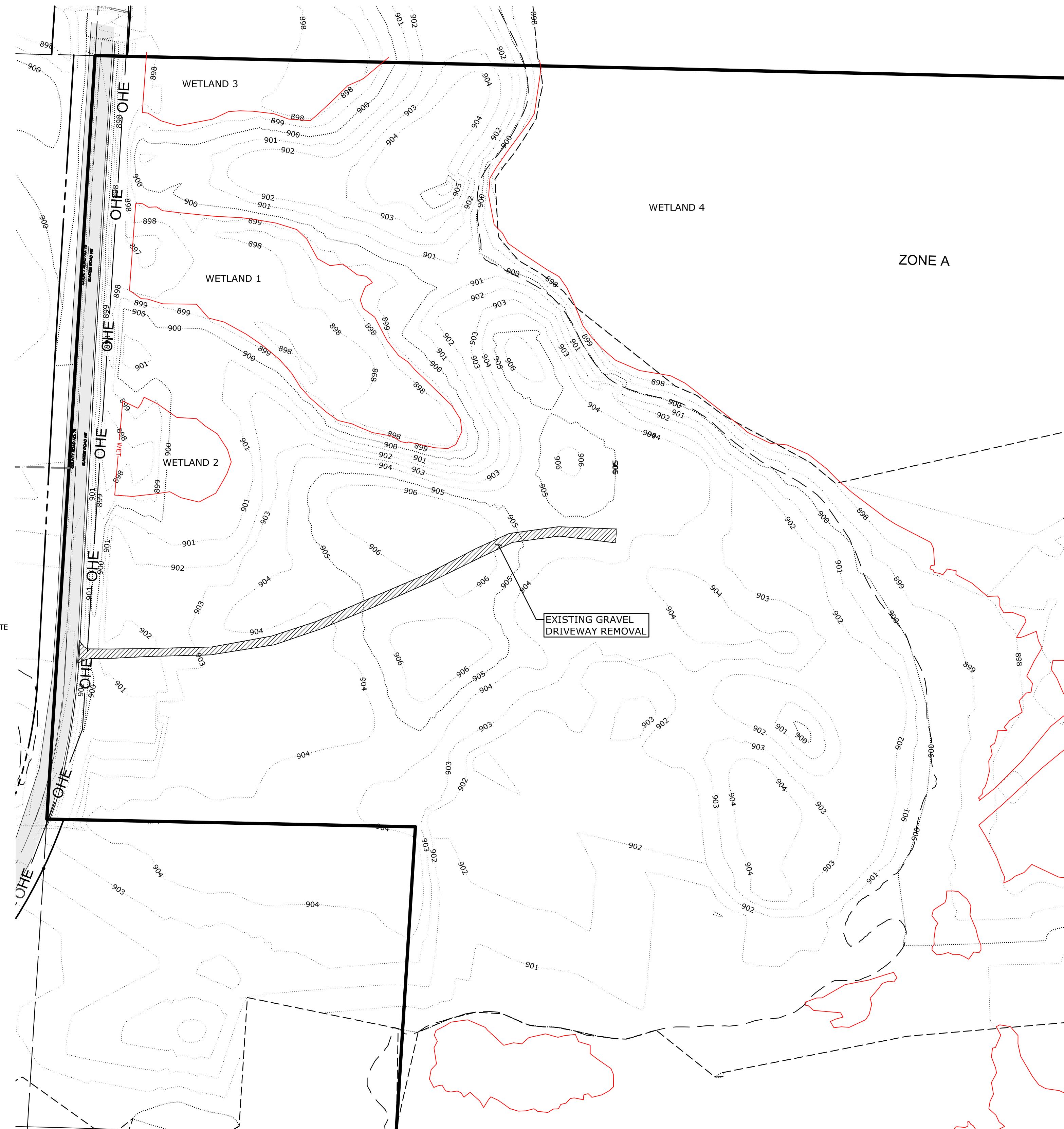
STORAGE OF MATERIALS OR EQUIPMENT SHALL NOT BE ALLOWED ON PUBLIC STREETS OR WITHIN PUBLIC RIGHT-OF-WAY.

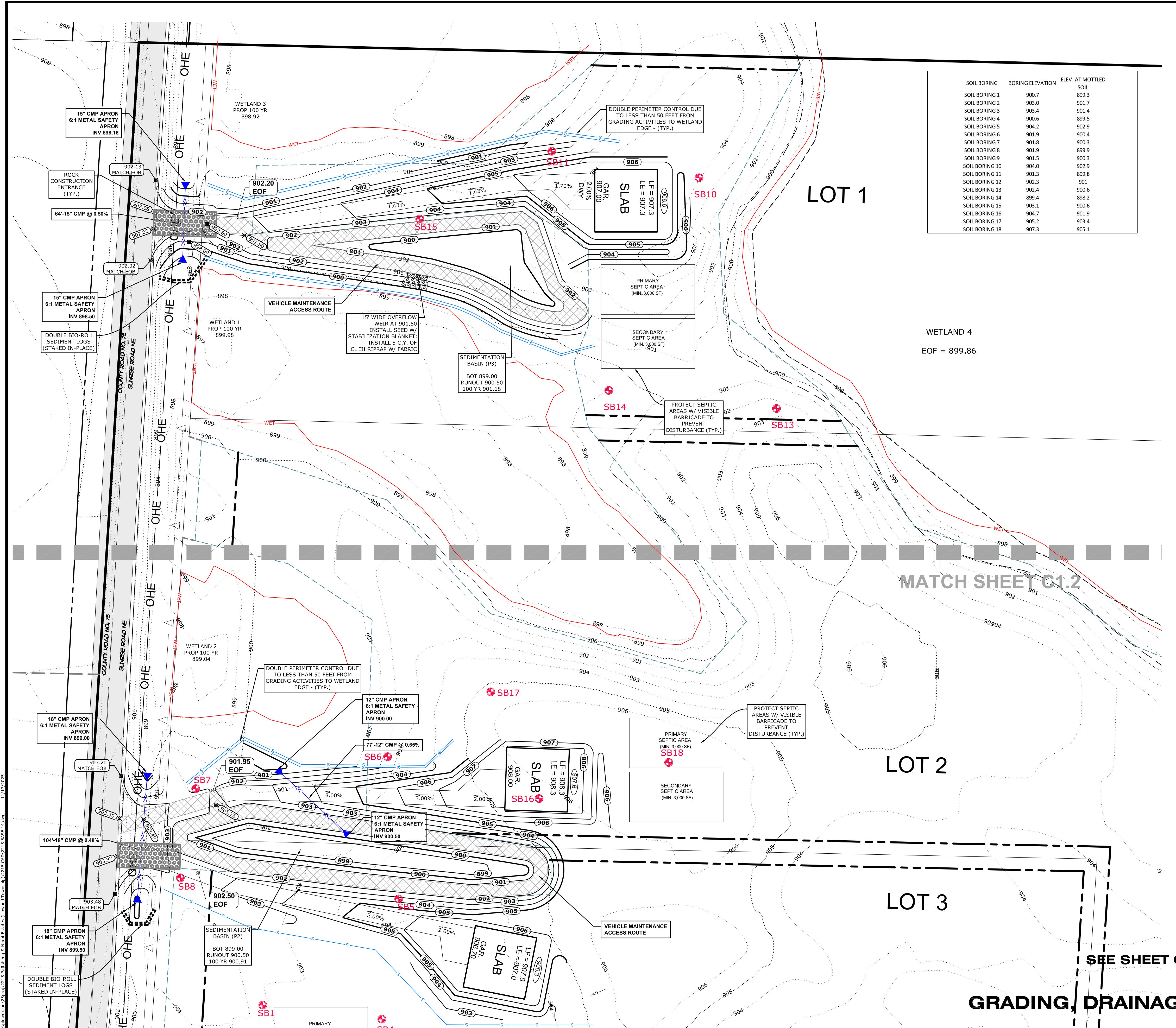
NOTIFY CITY A MINIMUM OF 48 HOURS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.

ALL ELECTRIC, TELEPHONE, AND GAS EXTENSIONS INCLUDING SERVICE LINES SHALL BE CONSTRUCTED TO THE APPROPRIATE UTILITY COMPANY SPECIFICATIONS. ALL UTILITY DISCONNECTIONS SHALL BE COORDINATED WITH THE APPROPRIATE UTILITY COMPANY.



below.
Call before you dig.





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3. THE CONTRACTOR SHALL FIELD VERIFY SIZE, ELEVATION, AND LOCATION OF EXISTING UTILITIES AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO THE START OF INSTALLATIONS.
4. INSTALLATIONS SHALL CONFORM TO THE CITY STANDARD SPECIFICATIONS AND DETAIL PLATES (MOST CURRENT EDITION) AND MNDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION (MOST CURRENT EDITION).
5. STORAGE OF MATERIALS OR EQUIPMENT SHALL NOT BE ALLOWED ON PUBLIC STREETS OR WITHIN PUBLIC RIGHT-OF-WAY.
6. NOTIFY CITY OF EAST BETHEL A MINIMUM OF 48 HOURS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
7. ALL ELECTRIC, TELEPHONE, AND GAS EXTENSIONS INCLUDING SERVICE LINES SHALL BE CONSTRUCTED TO THE APPROPRIATE UTILITY COMPANY SPECIFICATIONS. ALL UTILITY DISCONNECTIONS SHALL BE COORDINATED WITH THE APPROPRIATE UTILITY COMPANY.

STORM SEWER NOTES

1. PROPOSED STORM SEWER PIPE SHALL BE:
 - 1.1. CORRUGATED METAL PIPE (DRIVEWAY CULVERTS)
2. FIELD VERIFY SIZE, ELEVATION, AND LOCATION OF EXISTING STORM SEWER AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO ANY INSTALLATIONS.
3. STORM SEWER LENGTHS INCLUDE THE LAYING LENGTH OF THE FLARED-END SECTION. LAYING LENGTH OF APRON TO BE DEDUCTED FROM PAYMENT LENGTH OF PIPE.
4. TRASH GUARDS ARE NOT REQUIRED FOR CULVERTS.

MISCELLANEOUS NOTES

1. SEPTIC AND WELL DESIGN BY OTHERS.
2. SITE TOPOGRAPHY PROVIDED BY OTHERS.

**AN MPCA NPDES CONSTRUCTION PERMIT IS REQUIRED
PRIOR TO THE START OF CONSTRUCTION**

LOT TABLE

| Lot | Block | Lowest Floor Elevation | Low Floor Determining Factor | Lowest Opening | Low Opening Determining Factor | HWL |
|-----|-------|------------------------|--|----------------|--|--------------------------|
| | | | | | | |
| 1 | 1 | 907.30 | Josh Putt Boring #10 Mottles found at approximately at 904.2 | 907.30 | 1-foot above EOF for Basin 3 902.20 | Basin 2 901.18 |
| 2 | 1 | 908.30 | Josh Putt Boring #18 Mottles found at approximately at 905.1 | 908.30 | 1-foot above EOF for Basin 2 901.95 | Basin 3 900.91 |
| 3 | 1 | 907.00 | Josh Putt Boring #5 Mottles found at approximately at 902.9 | 907.00 | 1-foot above EOF for Basin 2 901.95 | Basin 3 900.91 |

PAJTSHENG & NTXHI ESTATES

NG & NTXHI ESTAT OD TOWNSHIP, MINNESOTA DRAINAGE, AND EROSION CONTROL PLAN

PAJTS
LINV
GRADIN



PLOWE
ENGINEERING, INC.



Know what's below.
Call before you dig.



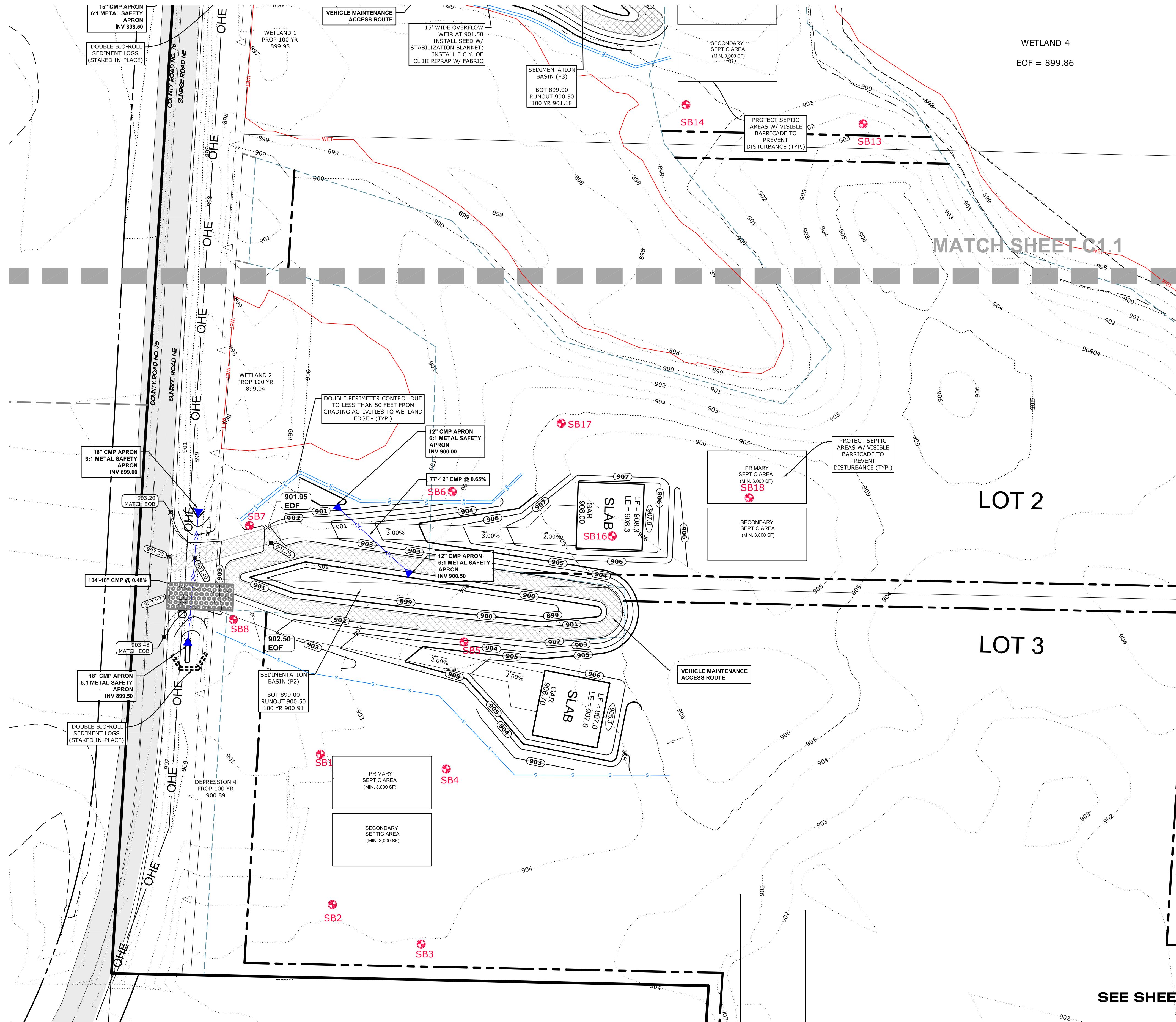
c1.1

NOTES FOR WORK IN COUNTY R/W

1. ALL INSTALLATIONS SHALL BE IN ACCORDANCE WITH MNDOT SPECIFICATIONS (LATEST EDITION)
2. ALL DISTURBED SOIL WITHIN COUNTY RIGHT-OF-WAY MUST BE SEEDED (MNDOT 25-141) & MULCHED (TYPE 1, DISC ANCHORED)
3. USE ALL STRAW FIBER BLANKET FOR DITCH SLOPES OF 3:1 OR GREATER
4. CONTRACTOR TO CONTACT ANOKA COUNTY PERMITS SECTION AT (763) 324-3176 TO OBTAIN THE RIGHT-OF-WAY PERMIT

SEE SHEET C2 FOR GRADING & EROSION CONTROL NOTES

GRADING, DRAINAGE, AND EROSION CONTROL PLAN PAJTSHENG & NTXHI ESTATES



GENERAL NOTES

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6. NOTIFY CITY OF EAST BETHEL A MINIMUM OF 48 HOURS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
8. ALL ELECTRIC, TELEPHONE, AND GAS EXTENSIONS INCLUDING SERVICE LINES SHALL BE CONSTRUCTED TO THE APPROPRIATE UTILITY COMPANY SPECIFICATIONS. ALL UTILITY DISCONNECTIONS SHALL BE COORDINATED WITH THE APPROPRIATE UTILITY COMPANY.

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NOTES FOR WORK IN COUNTY R/W
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Know what's below.
Call before you dig.

C1.2

SEE SHEET C2 FOR GRADING & EROSION CONTROL NOTES.

GRADING, DRAINAGE, AND EROSION CONTROL PLAN
PAJTSHEENG & NTXHI ESTATES

DRAWN BY:
M.Q.A.
DESIGN BY:
Q.M.A.

CHECKED BY:
M.Q.A.
PROJ. NO.
25-2215

ORIGINAL DATE:
AUGUST 25, 2025

DATE | REVISION DESCRIPTION
11/11/25 | UPDATED EASEMENTS BY WIDETH

I hereby certify that this plan was prepared by me or under my direct supervision and that I am a duly licensed Professional Engineer under the laws of the State of Minnesota.
JAS M. ABUCHAZLEH
LIC. NO. 562299
DATE: 11/11/2025

PAJTSHEENG & NTXHI ESTATES
GRADING, DRAINAGE, AND EROSION
CONTROL PLAN

PREPARED FOR:
MUJTSIM
VANG



PLOWE
ENGINEERING, INC.
6776 LAKE DRIVE
SUITE 110
LINO LAKES, MN 55014
PHONE: (651) 361-8210
FAX: (651) 361-8701



0 20 40
1 INCH = 40 FEET

SITE SEQUENCING

- PRIOR TO ANY GRADING OPERATIONS, THE CONTRACTOR SHALL INSTALL ROCK CONSTRUCTION ENTRANCE (LOCATIONS TO BE DETERMINED - COORDINATE WITH OWNER) AND PERIMETER SILT FENCE AS SHOWN ON PLAN. (CONTACT CITY TO INSPECT EROSION CONTROL MEASURES PRIOR TO GRADING OPERATIONS, IF NECESSARY.) ADDITIONAL SILT FENCE MAY BE NECESSARY IF LOCAL CONDITIONS REQUIRE.
- THE CONTRACTOR SHALL PROVIDE ALL SOD, SEED, MULCH AND FERTILIZER WHICH SHALL CONFORM WITH THE FOLLOWING MNDOT SPECIFICATIONS AS MODIFIED BELOW.

| ITEM | MNDOT SPECIFICATION/NOTES |
|--------------------------|----------------------------------|
| SOD | 3878 |
| SEED ** | 3876 |
| * FOR TURF ESTABLISHMENT | |
| COMMERCIAL TURF | MNDOT MIX 25-131 (220 LBS/ACRE) |
| RESIDENTIAL TURF | MNDOT MIX 25-131 (120 LBS/ACRE) |
| TEMPORARY FALL COVER | MNDOT MIX 21-112 (100 LBS/ACRE) |
| SPRING/SUMMER | MNDOT MIX 21-111 (100 LBS/ACRE) |
| SOIL-BUILDING COVER | MNDOT MIX 21-113 (110 LBS/ACRE) |
| 1-2 YEARS COVER | MNDOT MIX 22-111 (30.5 LBS/ACRE) |
| 2-5 YEARS COVER | MNDOT MIX 22-112 (40 LBS/ACRE) |
| MULCH | 3882 (TYPE 1 - DISC ANCHORED) |
| FERTILIZER | 3881 |
| WOOD FIBER BLANKET | 3885 (CATEGORY 2) |

* MOW A MINIMUM OF ONCE PER 2 WEEKS
** SEEDED AREAS SHALL BE EITHER MULCHED OR COVERED BY FIBROUS BLANKETS
TO PROTECT SEEDS AND LIMIT EROSION.

- ALL EXPOSED SOILS MUST HAVE TEMPORARY EROSION CONTROL PROTECTION OR PERMANENT COVER WITHIN FOURTEEN (14) DAYS.
- THE CONTRACTOR SHALL PAY SPECIAL ATTENTION TO ALL ADJACENT PROPERTY LINES AND MAKE SURE THE EROSION CONTROL PRACTICES IN PLACE IN THOSE AREAS PREVENT MIGRATION OF SEDIMENT ONTO ADJACENT PROPERTIES.
- THE CONTRACTOR SHALL MAINTAIN SILT FENCE, INCLUDING THE REMOVAL OF ACCUMULATED SEDIMENT, THROUGH COMPLETION OF BUILDING CONSTRUCTION. SILT FENCE TO BE REMOVED ONLY AFTER COMPLETION OF BUILDING CONSTRUCTION AND UPON ESTABLISHMENT OF VEGETATION.
- THE CONTRACTOR SHALL PROVIDE WOOD FIBER BLANKET FOR ALL AREAS OF CONCENTRATED FLOW AND FOR ALL SLOPES 3:1 OR GREATER.
- PROTECT ALL STORM WATER MANAGEMENT FACILITIES FROM CONSTRUCTION RUN-OFF. CONTRACTOR TO INSTALL AND CONSTRUCT SAID FACILITIES ONCE SITE HAS BEEN STABILIZED.
- IF ANY SLOPES APPEAR TO BE FAILING, THE CONTRACTOR SHALL PROVIDE ADDITIONAL SILT FENCE, BIOROLLS AND EROSION CONTROL BLANKET AS NEEDED.
- THE CONTRACTOR SHALL FINAL GRADE SWALE AREAS UPON STABILIZATION OF UPSTREAM AREAS.
- THE CONTRACTOR SHALL SOD ALL DISTURBED DRAINAGE AREAS, INCLUDING SWALES & OVERFLOWS.
- UPON GRADING COMPLETION THE CONTRACTOR SHALL PROVIDE NATIVE TOPSOIL WITH SOD OR SEED, AND MULCH ANCHORED WITH A STRAIGHT SET DISC WITHIN 48 HOURS OF FINAL GRADING.
- EXCESS SOIL SHOULD BE TREATED LIKE OTHER EXPOSED SOIL AND STABILIZED WITHIN 72 HOURS. ANY SOIL STOCKPILES ARE TO HAVE SILT FENCE PLACED ON DOWNSTREAM SIDES.
- IF A STREET, ALLEY, SIDEWALK OR OTHER PUBLIC PLACE SHOULD BECOME SOILED OR LITTERED, THE CONTRACTOR SHALL CAUSE SUCH SOILING OR LITTERING TO BE CLEANED UP BY SWEEPING NOT LATER THAN THE END OF THE WORKING DAY IN WHICH SUCH SOILING OR LITTERING SHALL HAVE OCCURRED OR BEEN OBSERVED.

OTHER POLLUTION CONTROL MEASURES

CONSTRUCTION WASTE MATERIALS - ALL WASTE MATERIALS GENERATED AS A RESULT OF SITE CONSTRUCTION SHALL BE COLLECTED AND REMOVED ACCORDING TO ALL LOCAL AND/OR STATE WASTE MANAGEMENT REGULATIONS BY A LICENSED SOLID WASTE MANAGEMENT COMPANY. THE CONTRACTOR WILL ENSURE THAT ALL SITE PERSONNEL ARE INSTRUCTED IN THESE PRACTICES.

HAZARDOUS WASTES - ALL HAZARDOUS WASTE MATERIALS SHALL BE STORED PROPERLY TO PREVENT SPILLS AND VANDALISM. WHEN NECESSARY, HAZARDOUS WASTES WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL AND/OR STATE REGULATION OR BY THE MANUFACTURER.

SANITARY WASTE - ALL SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS BY A LOCAL, LICENSED WATER MANAGEMENT COMPANY, AS REQUIRED BY LOCAL REGULATION.

OFFSITE VEHICLE TRACKING - A ROCK CONSTRUCTION ENTRANCE HAS BEEN PROVIDED TO HELP REDUCE VEHICLE TRACKING OF SEDIMENTS. IF A STREET, ALLEY, SIDEWALK OR OTHER PUBLIC PLACE SHOULD BECOME SOILED OR LITTERED, THE CONTRACTOR SHALL CAUSE SUCH SOILING OR LITTERING TO BE CLEANED UP BY SWEEPING NOT LATER THAN THE END OF THE WORKING DAY IN WHICH SUCH SOILING OR LITTERING SHALL HAVE OCCURRED OR BEEN OBSERVED. DUMP TRUCKS HAULING LOOSE MATERIALS (SAND, TOPSOIL, ETC.) TO AND/OR FROM THE SITE SHALL BE COVERED WITH A TARPAULIN.

VEHICLE CLEANING - NO ENGINE DEGREASING IS ALLOWED ON-SITE. EXTERNAL WASHING OF VEHICLES TO BE CONFINED TO A DEFINED AREA ("BONE YARD") ON-SITE. CONTRACTOR TO PROVIDE DESIGNATED TRUCK WASHOUT AREA WITH APPROPRIATE SIGNAGE. WASHOUT AREA IS TO BE A MINIMUM OF 50' FROM DITCHES, PONDS, OR OTHER STORMWATER FEATURES. ALL LIQUID AND SOLID WASTE GENERATED BY WASHOUT OPERATIONS MUST BE CONTAINED IN A LEAK-PROOF CONTAINMENT FACILITY OR IMPERMEABLE LINER (E.G. COMPACTED CLAY LINER, IMPERMEABLE GEO-MEMBRANE) AND DISPOSED OF PROPERLY.

SPILL PREVENTION AND CONTROL - ALL VEHICLES WILL BE CHECKED FOR LEAKING OIL AND FLUIDS. VEHICLES LEAKING FLUIDS WILL NOT BE ALLOWED ON-SITE. SPILL KITS WILL BE STORED ON-SITE AND ALL SPILLS WILL BE CLEANED UP IMMEDIATELY DISCOVERY. SPENT ABSORBENT MATERIALS AND RAGS WILL BE HAULED OFF-SITE IMMEDIATELY AFTER THE SPILL IS CLEANED UP AND PROPERTY DISPOSED OF. SPILL PREVENTION AND CONTROL MEASURES SHALL BE IMPLEMENTED ONCE CONSTRUCTION BEGINS.

SOIL STOCKPILES - INSTALL SILT FENCE OR OTHER EFFECTIVE SEDIMENT CONTROLS AROUND ALL TEMPORARY SOIL STOCKPILES. LOCATE SURFACE WATER, INCLUDING STORMWATER CONVEYANCES SUCH AS CURB AND GUTTER SYSTEMS, OR CONDUITS AND DITCHES UNLESS THERE IS A SITES IN PLACE FOR THE STORMWATER. IF REMAINING FOR MORE THAN 7 DAYS, STABILIZE THE STOCKPILES BY MULCHING, VEGETATIVE COVING, TARP, OR OTHER MEANS. DURING STREET REPAIR, COVER CONSTRUCTION SOIL OR DIRT STOCKPILES LOCATED CLOSER THAN 8 M (25 FEET) TO A ROADWAY OR DRAINAGE CHANNEL WITH TARP, AND PROTECT STORM SEWER INLETS WITH SILT SOCKS OR STAKED SILT FENCE.

PROVIDE WIMCO (OR APPROVED EQUAL) FOR INLET PROTECTION AT ALL EXISTING STORM SEWER INLETS THAT WILL RECEIVE RUN-OFF DURING CONSTRUCTION. INLET PROTECTION TO REMAIN IN-PLACE UNTIL AT LEAST 70% OF SITE VEGETATION HAS BEEN ESTABLISHED.

CONTRACTOR TO PROVIDE DESIGNATED CONCRETE TRUCK WASHOUT AREA WITH APPROPRIATE SIGNAGE. KEEP WASHOUT AREAS AS FAR AS PRACTICAL FROM STORM DRAINS, DITCHES AND PONDS. DO NOT ALLOW RUN-OFF FROM THIS AREA BY CONSTRUCTING A TEMPORARY PIT OR BERMED AREA LARGE ENOUGH FOR LIQUID AND SOLID WASTE. AFTER WASTE CONCRETE IS SET, BREAK-UP AND DISPOSE OF PROPERLY.

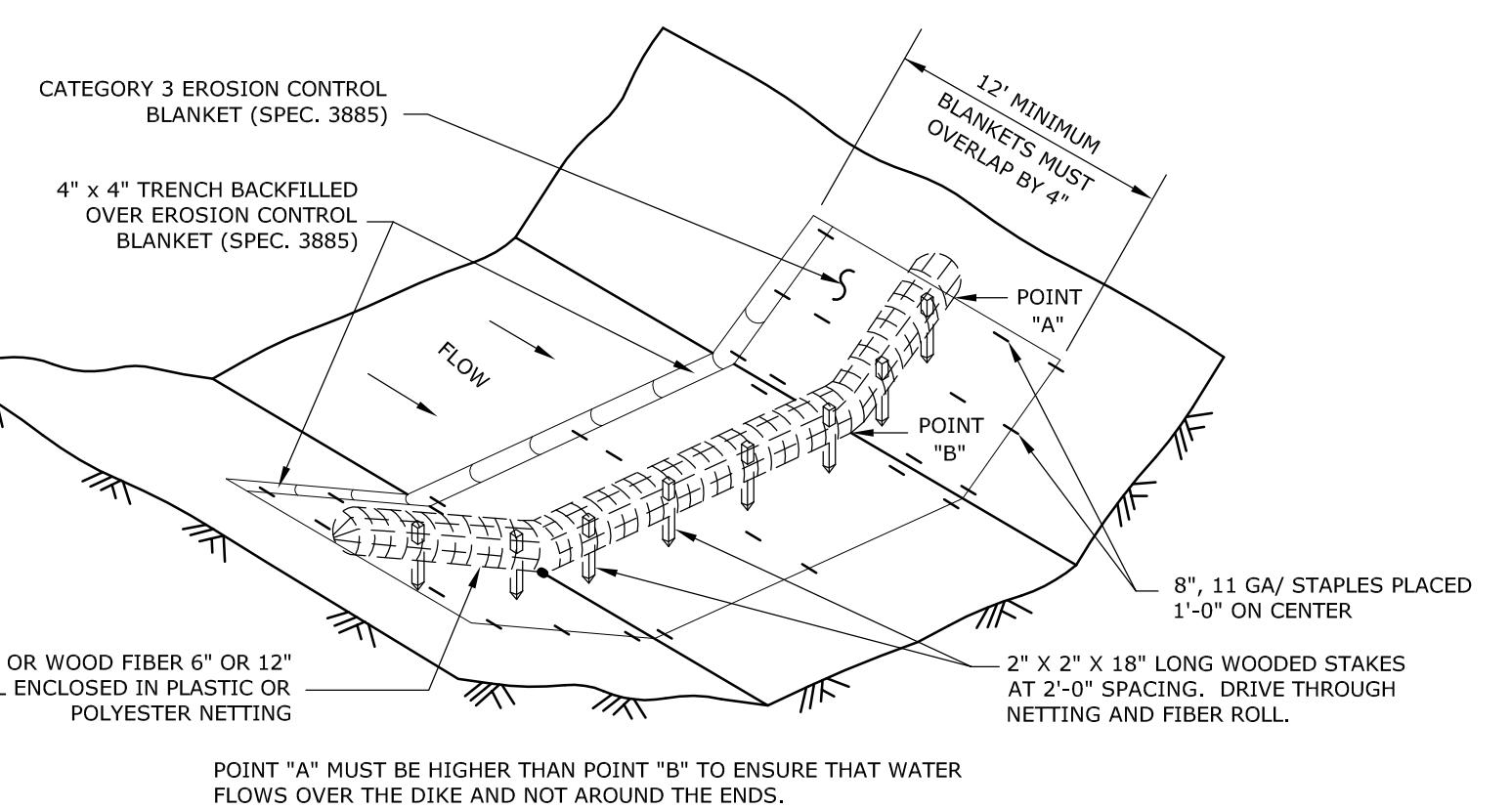
THE CONTRACTOR MUST DISCHARGE TURBID OR SEDIMENT-LADEN WATERS RELATED TO DEWATERING (E.G., PUMPED DISCHARGES, TRENCH/DITCH CUTS FOR DRAINAGE) TO A TEMPORARY OR PERMANENT SEDIMENTATION BASIN ON THE PROJECT SITE UNLESS INFEASIBLE. THE CONTRACTOR MAY DISCHARGE FROM THE TEMPORARY OR PERMANENT SEDIMENTATION BASINS TO SURFACE WATERS IF THE BASIN WATER HAS BEEN VISUALLY CHECKED TO ENSURE ADEQUATE TREATMENT HAS BEEN OBTAINED IN THE BASIN AND THAT NUISANCE CONDITIONS (SEE MINN. R. 7050.0210, SUBP. 2) WILL NOT RESULT FROM THE DISCHARGE. IF THE WATER CANNOT BE DISCHARGED TO A SEDIMENTATION BASIN PRIOR TO ENTERING THE SURFACE WATER, IT MUST BE TREATED WITH THE APPROPRIATE BMPs, SUCH THAT THE DISCHARGE DOES NOT ADVERSELY AFFECT THE RECEIVING WATER OR DOWNSTREAM PROPERTIES.

DRAWN BY: M.Q.A.
DESIGN BY: Q.M.A.
CHECKED BY: M.Q.A.
PROJ. NO: 25-2215

ORIGINAL DATE: AUGUST 25, 2025

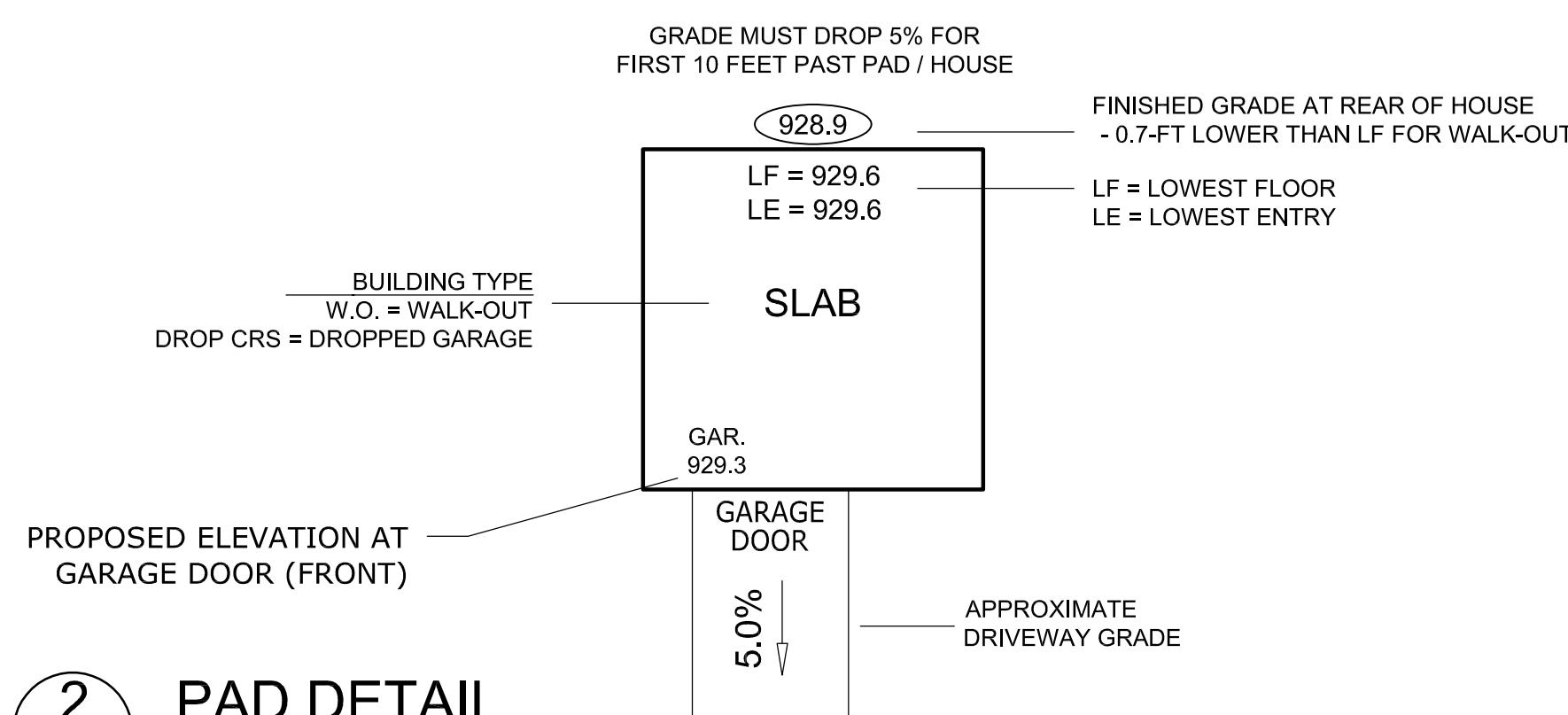
REVISION DESCRIPTION

DATE



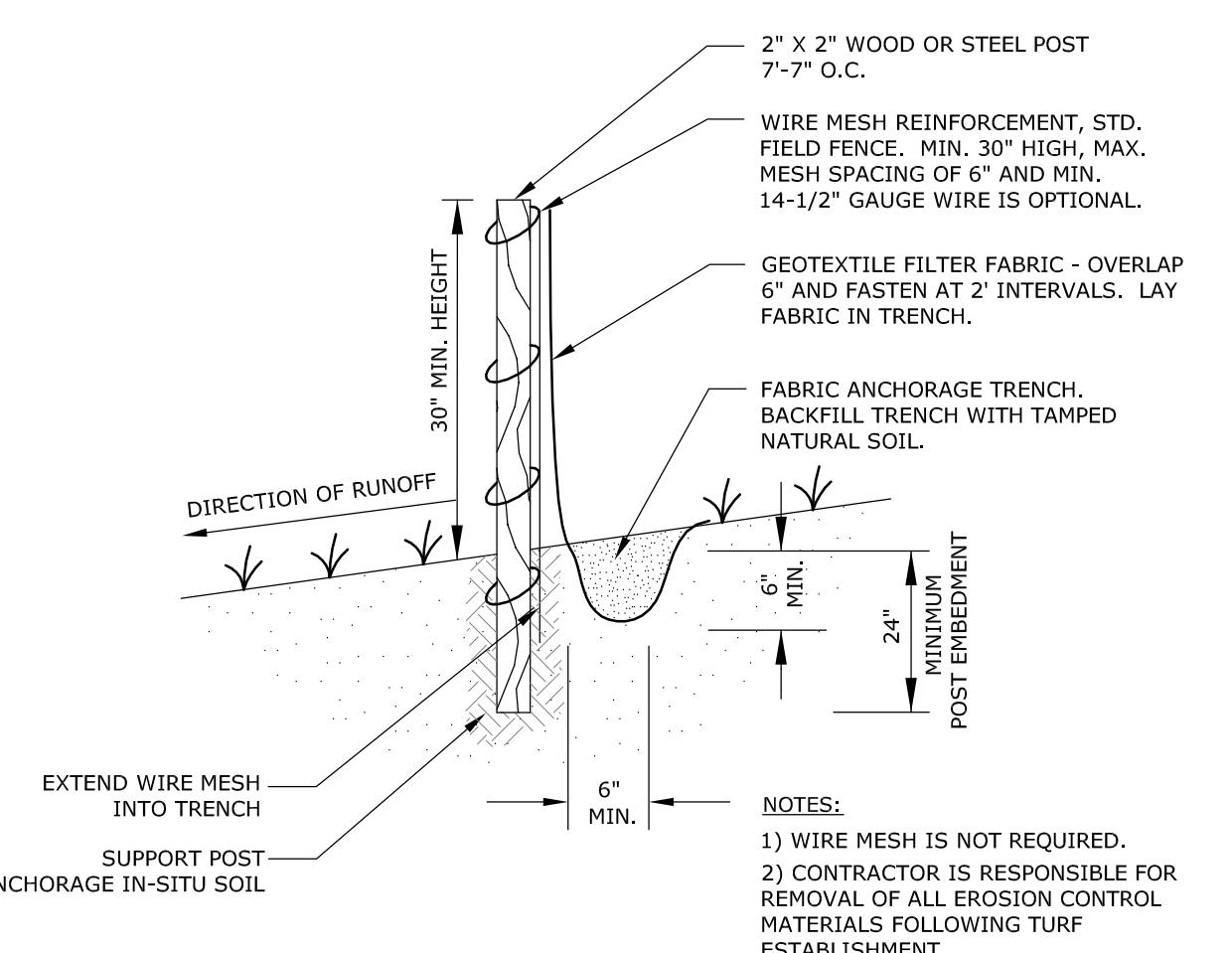
1 C2 BIO-ROLL BLANKET

N.T.S.



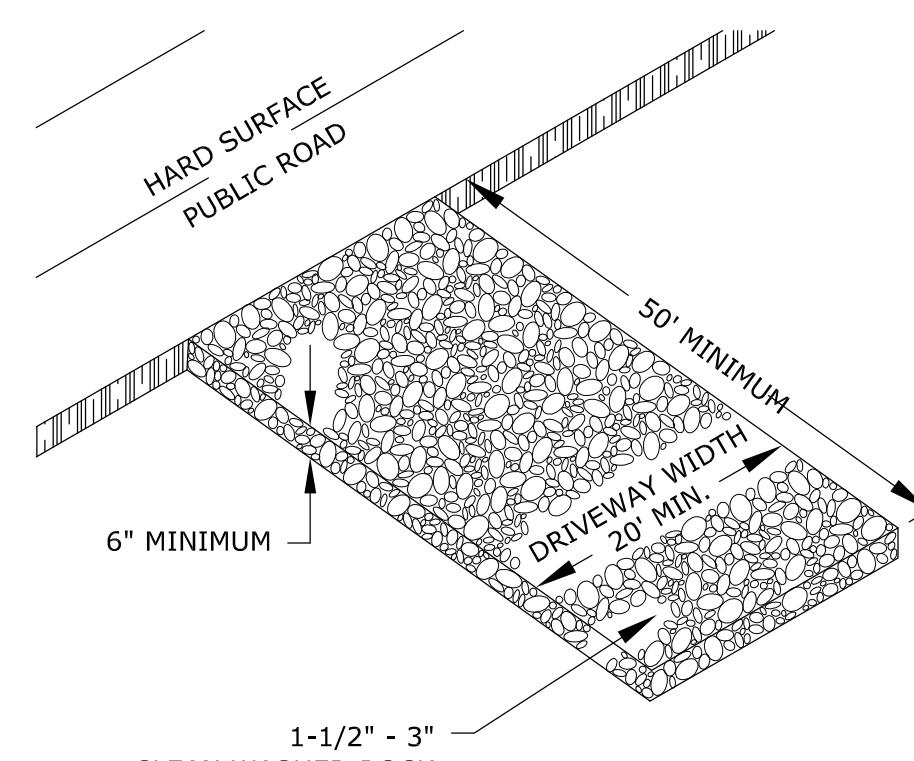
2 C2 PAD DETAIL

N.T.S.



3 C2 SILT FENCE

N.T.S.



4 C2 ROCK CONSTRUCTION ENTRANCE

N.T.S.

PAJTSHEUNG & NTXHI ESTATES

DETAILS & NOTES

LINWOOD TOWNSHIP, MINNESOTA

DATE

SITE PLANNING & ENGINEERING
PLOWE
ENGINEERING, INC.

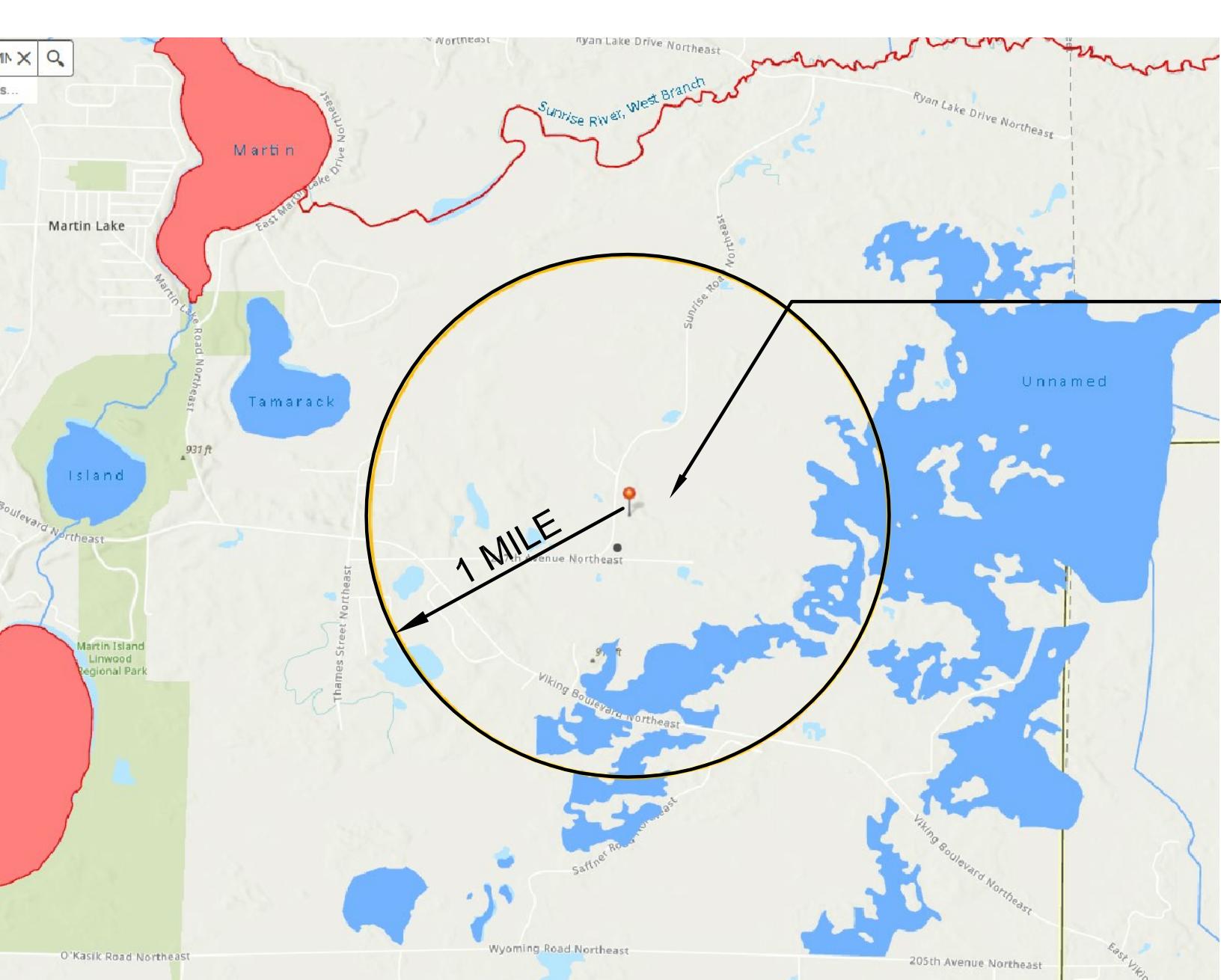
6776 LAKE DRIVE
SUITE 110
LINO LAKES, MN 55014

PHONE: (651) 361-8210
FAX: (651) 361-8701

C2

DETAILS & NOTES
PAJTSHEUNG & NTXHI ESTATES

| DRAWN BY: M.Q.A. DESIGN BY: Q.M.A. | |
|---|--|
| 4.1 TERMINATION OF COVERAGE. [MINN. R. 7090] | 4.2 PERMITTIES MUST SUBMIT A NOT WITHIN 30 DAYS AFTER ALL TERMINATION CONDITIONS LISTED IN SECTION 13 ARE COMPLETE. [MINN. R. 7090] |
| 4.3 PERMITTIES MUST SUBMIT A NOT WITHIN 30 DAYS AFTER SELLING OR OTHERWISE LEGALLY TRANSFERRING THE ENTIRE SITE, INCLUDING PERMIT RESPONSIBILITY FOR ROADS (E.G., STREET SWEEPING) AND STORMWATER INFRASTRUCTURE FINAL CLEAN OUT, OR TRANSFERRING PORTIONS OF A SITE TO ANOTHER PARTY, THE PERMITTIES' COVERAGE UNDER THIS PERMIT TERMINATES AT MIDNIGHT ON THE SUBMISSION DATE OF THE NOT. [MINN. R. 7090] | 4.4 PERMITTIES MAY TERMINATE PERMIT COVERAGE PRIOR TO COMPLETION OF ALL CONSTRUCTION ACTIVITY IF THEY MEET ALL OF THE FOLLOWING CONDITIONS: |
| A. CONSTRUCTION ACTIVITY HAS CEASED FOR AT LEAST 90 DAYS; AND | B. AT LEAST 90 PERCENT (BY AREA) OF ALL ORIGINALLY PROPOSED CONSTRUCTION ACTIVITY HAS BEEN COMPLETED AND PERMANENT COVER HAS BEEN ESTABLISHED ON THOSE AREAS; AND |
| C. ON AREAS WHERE CONSTRUCTION ACTIVITY IS NOT COMPLETE, PERMANENT COVER HAS BEEN ESTABLISHED; AND | D. THE SITE COMPLETES WITH ITEM 13.3 THROUGH 13.7. |
| 4.5 PERMITTIES MAY TERMINATE THE PERMIT COVERAGE IF THE SUBSEQUENT DEVELOPMENT ITSELF OR AS PART OF THE REMAINING COMMON PLAN OF DEVELOPMENT OR SALE WILL RESULT IN LAND DISTURBING ACTIVITIES OF ONE (1) OR MORE ACRES IN SIZE. [MINN. R. 7090] | 4.6 PERMITTIES MAY TERMINATE COVERAGE UPON MPCA APPROVAL AFTER SUBMITTING INFORMATION DOCUMENTING THE OWNER CANCELED THE PROJECT. [MINN. R. 7090] |
| 6.1 SWPPP AMENDMENTS. [MINN. R. 7090] | 6.2 ONE OF THE INDIVIDUALS DESCRIBED IN ITEM 21.2.A OR ITEM 21.2.B OR ANOTHER QUALIFIED INDIVIDUAL MUST COMPLETE ALL SWPPP CHANGES, CHANGES INVOLVING THE USE OF A LESS STRINGENT BMP MUST INCLUDE A JUSTIFICATION DESCRIBING HOW THE REPLACE BMP IS EFFECTIVE FOR THE SITE CHARACTERISTICS. [MINN. R. 7090] |
| 6.3 PERMITTIES MUST AMEND THE SWPPP TO INCLUDE ADDITIONAL OR MODIFIED BMPS AS NECESSARY TO CORRECT PROBLEMS IDENTIFIED OR ADDRESS SITUATIONS WHENEVER THERE IS A CHANGE IN DESIGN, CONSTRUCTION, OPERATION, MAINTENANCE, WEATHER OR SEASONAL CONDITIONS HAVING A SIGNIFICANT EFFECT ON THE DISCHARGE OF POLLUTANTS TO SURFACE WATERS OR GROUNDWATER. [MINN. R. 7090] | 6.4 PERMITTIES MUST AMEND THE SWPPP TO INCLUDE ADDITIONAL OR MODIFIED BMPS AS NECESSARY TO CORRECT PROBLEMS IDENTIFIED OR ADDRESS SITUATIONS WHENEVER INSPECTIONS OR INVESTIGATIONS BY THE SITE OWNER OR OPERATOR, USEPA OR MPCA OFFICIALS INDICATE THE SWPPP IS NOT EFFECTIVE IN ELIMINATING OR SIGNIFICANTLY MINIMIZING THE DISCHARGE OF POLLUTANTS TO SURFACE WATERS OR GROUNDWATER IF THE DISCHARGES ARE CAUSING WATER QUALITY STANDARD EXCEEDANCES (E.G., NUISANCE CONDITIONS AS DEFINED IN MINN. R. 7050.0210, SUBP. 2) OR THE SWPPP IS NOT CONSISTENT WITH THE OBJECTIVES OF A USEPA APPROVED TMDL. [MINN. R. 7050.0210] |
| 7.1 BMP SELECTION AND INSTALLATION. [MINN. R. 7090] | 7.2 PERMITTIES MUST SELECT, INSTALL, AND MAINTAIN THE BMPS IDENTIFIED IN THE SWPPP AND IN THIS PERMIT IN AN APPROPRIATE AND FUNCTIONAL MANNER AND IN ACCORDANCE WITH RELEVANT MANUFACTURER SPECIFICATIONS AND ACCEPTED ENGINEERING PRACTICES. [MINN. R. 7090] |
| 8.1 EROSION PREVENTION PRACTICES. [MINN. R. 7090] | 8.2 BEFORE WORK BEGINS, PERMITTIES MUST DELINEATE THE LOCATION OF AREAS NOT TO BE DISTURBED. [MINN. R. 7090] |
| 8.3 PERMITTIES MUST MINIMIZE THE NEED FOR DISTURBANCE OF PORTIONS OF THE PROJECT WITH STEEP SLOPES. WHEN STEEP SLOPES MUST BE DISTURBED, PERMITTIES MUST USE TECHNIQUES SUCH AS PHASING AND STABILIZATION PRACTICES DESIGNED FOR STEEP SLOPES (E.G., SLOPE DRAINING AND TERRACING). [MINN. R. 7090] | 8.4 PERMITTIES MUST STABILIZE ALL EXPOSED SOIL AREAS, INCLUDING STOCKPILES. 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 14 CALENDAR DAYS. STABILIZATION MUST BE COMPLETED NO LATER THAN 14 CALENDAR DAYS AFTER THE CONSTRUCTION ACTIVITY HAS CEASED. STABILIZATION IS NOT REQUIRED ON CONSTRUCTED BASE COMPONENTS OF ROADS, PARKING LOTS AND SIMILAR SURFACES. STABILIZATION IS NOT REQUIRED ON TEMPORARY STOCKPILES WITHOUT SIGNIFICANT SILT, CLAY OR ORGANIC COMPONENTS (E.G., CLEAN AGGREGATE STOCKPILES, DENSIFIED CONCRETE STOCKPILES, SAND STOCKPILES) BUT PERMITTIES MUST PROVIDE SEPARATE CONSTRUCTION OF THE BASE OF EACH STOCKPILE. [MINN. R. 7090] |
| 8.5 FOR PUBLIC WATERS THAT THE MINNESOTA DNR HAS PROMULGATED "WORK IN WATER RESTRICTIONS" DURING SPECIFIED FISH SPawning TIME FRAMES, PERMITTIES MUST COMPLETE STABILIZATION OF ALL EXPOSED SOIL AREAS WITHIN 200 FEET OF THE WATER'S EDGE, AND THAT DRAN TO THESE WATERS, WITHIN 24 HOURS DURING THE RESTRICTION PERIOD. [MINN. R. 7090] | 8.6 PERMITTIES MUST STABILIZE THE NORMAL WETTED PERIMETER OF THE LAST 200 LINEAR FEET OF TEMPORARY OR PERMANENT DRAINAGE DITCHES OR SWALES THAT DRAIN WATER FROM THE SITE WITHIN 24 HOURS AFTER CONNECTING TO A SURFACE WATER OR PROPERTY EDGE. PERMITTIES MUST COMPLETE STABILIZATION OF REMAINING PORTIONS OF TEMPORARY OR PERMANENT DITCHES OR SWALES WITHIN 14 CALENDAR DAYS AFTER CONNECTING TO A SURFACE WATER OR PROPERTY EDGE AND CONSTRUCTION IN THAT PORTION OF THE DITCH TEMPORARILY OR PERMANENTLY CEASES. [MINN. R. 7090] |
| 8.7 TEMPORARY OR PERMANENT DITCHES OR SWALES BEING USED AS A SEDIMENT CONTAINMENT SYSTEM DURING CONSTRUCTION (WITH PROPERLY DESIGNED ROCK-DITCH CHECKS, BAG ROLLS, SILT DIKES, ETC.) DO NOT NEED TO BE STABILIZED. PERMITTIES MUST STABILIZE THESE AREAS WITHIN 24 HOURS AFTER THEIR USE AS A SEDIMENT CONTAINMENT SYSTEM CEASES. [MINN. R. 7090] | 8.8 PERMITTIES MUST NOT USE MULCH, HYDROMULCH, TACKIFIER, POLYACRYLAMIDE OR SIMILAR EROSION PREVENTION PRACTICES WITHIN ANY PORTION OF THE NORMAL WETTED PERIMETER OF A TEMPORARY OR PERMANENT DRAINAGE DITCH OR SWALE SECTION WITH A CONTINUOUS SLOPE OF GREATER THAN 2 PERCENT. [MINN. R. 7090] |
| 8.9 PERMITTIES MUST PROVIDE TEMPORARY OR PERMANENT ENERGY DISSIPATION AT ALL PIPE OUTLETS WITHIN 24 HOURS AFTER CONNECTION TO A SURFACE WATER OR PERMANENT STORMWATER TREATMENT SYSTEM. [MINN. R. 7090] | 8.10 PERMITTIES MUST NOT DISTURB MORE LAND (I.E., PHASING) THAN CAN BE EFFECTIVELY INSPECTED AND MAINTAINED IN ACCORDANCE WITH SECTION 11. [MINN. R. 7090] |
| 9.1 SEDIMENT CONTROL PRACTICES. [MINN. R. 7090] | 9.2 PERMITTIES MUST ESTABLISH SEDIMENT CONTROL BMPs ON ALL DOWNGRADIENT PERIMETERS OF THE SITE AND DOWNGRADIENT AREAS THAT ARE SUBJECT TO AN INLET SWALE OR SWALE SECTION OF THE SWPPP. PERMITTIES MUST LOCATE SEDIMENT CONTROL PRACTICES UPGRADEMENT OF ANY BUFFER ZONES. PERMITTIES MUST INSTALL SEDIMENT CONTROL PRACTICES BEFORE ANY UPGRADIENT LAND-DISTURBING ACTIVITIES BEGIN AND KEEP THE SEDIMENT CONTROL PRACTICES IN PLACE UNTIL THEY ESTABLISH PERMANENT COVER. [MINN. R. 7090] |
| 9.3 IF DOWNGRADIENT SEDIMENT CONTROLS ARE OVERLOADED, BASED ON FREQUENT FAILURE OR EXCESSIVE MAINTENANCE REQUIREMENTS, PERMITTIES MUST INSTALL ADDITIONAL UPGRADIENT SEDIMENT CONTROL PRACTICES OR REDUNDANT BMPs TO ELIMINATE THE OVERLOADING AND AMEND THE SWPPP TO IDENTIFY THESE ADDITIONAL PRACTICES AS REQUIRED IN ITEM 6.3. [MINN. R. 7090] | 9.4 TEMPORARY OR PERMANENT DRAINAGE DITCHES AND SEDIMENT BASINS DESIGNED AS PART OF A SEDIMENT CONTAINMENT SYSTEM (E.G., DITCHES WITH ROCK-CHECK DAMS) REQUIRE SEDIMENT CONTROL PRACTICES ONLY AS APPROPRIATE FOR SITE CONDITIONS. [MINN. R. 7090] |
| 9.5 A FLOATING SILT CURTAIN PLACED IN THE WATER IS NOT A SEDIMENT CONTROL BMP TO SATISFY ITEM 9.2 EXCEPT WHEN WORKING ON A DREDGE BELL, OR WHEN THE DREDGE BELL IS IN THE WATER AND THE DREDGE BELL IS IN THE ACTIVELY DREDGED AREA OF A RIVER (ALONG THE SHORELINE). IN THAT AREA IS COMPLETE, PERMITTIES MUST INSTALL AN UPLAND PERIMETER CONTROL PRACTICE IF EXPOSED SOILS STILL DRAN TO A SURFACE WATER. [MINN. R. 7090] | 9.6 PERMITTIES MUST RE-INSTALL ALL SEDIMENT CONTROL PRACTICES ADJUSTED OR REMOVED TO ACCOMMODATE SHORT-TERM ACTIVITIES SUCH AS CLEARING OR GRUBBING, OR PASSAGE OF VEHICLES, IMMEDIATELY AFTER THE SHORT-TERM ACTIVITY IS COMPLETED. PERMITTIES MUST RE-INSTALL SEDIMENT CONTROL PRACTICES BEFORE THE NEXT PRECIPITATION EVENT EVEN IF THE SHORT-TERM ACTIVITY IS NOT COMPLETE. [MINN. R. 7090] |
| 9.7 PERMITTIES MUST PROTECT ALL STORM DRAIN INLETS USING APPROPRIATE BMPs DURING CONSTRUCTION UNTIL THEY ESTABLISH PERMANENT COVER ON ALL AREAS WITH POTENTIAL FOR DISCHARGING TO THE INLET. [MINN. R. 7090] | 9.8 PERMITTIES MAY REMOVE INLET PROTECTION FOR A PARTICULAR INLET IF A SPECIFIC SAFETY CONCERN (E.G. STREET FLOODING/FREEZING) IS IDENTIFIED BY THE PERMITTIES OR THE JURISDICTIONAL AUTHORITY (E.G., CITY/COUNTY/TOWNSHIP/MINNESOTA DEPARTMENT OF TRANSPORTATION ENGINEER). PERMITTIES MUST DOCUMENT THE NEED FOR REMOVAL IN THE SWPPP. [MINN. R. 7090] |
| 9.9 PERMITTIES MUST PROVIDE SILT FENCE OR OTHER EFFECTIVE SEDIMENT CONTROLS AT THE BASE OF STOCKPILES ON THE DOWNGRADIENT PERIMETER. [MINN. R. 7090] | 9.10 PERMITTIES MUST LOCATE STOCKPILES OUTSIDE OF NATURAL BUFFERS OR SURFACE WATERS, INCLUDING STORMWATER CONVEYANCES SUCH AS CURB AND GUTTER SYSTEMS UNLESS THERE IS A BYPASS IN PLACE FOR THE STORMWATER. [MINN. R. 7090] |
| 9.11 PERMITTIES MUST INSTALL A VEHICLE TRACKING BMP TO MINIMIZE THE TRACK OUT OF SEDIMENT FROM THE CONSTRUCTION SITE OR ONTO PAVED ROADS WITHIN THE SITE. [MINN. R. 7090] | 9.12 PERMITTIES MUST USE STREET SWEEPING IF VEHICLE TRACKING BMPs ARE NOT ADEQUATE TO PREVENT SEDIMENT TRACKING ON THE STREET. [MINN. R. 7090] |
| 9.13 PERMITTIES MUST INSTALL TEMPORARY SEDIMENT BASINS AS REQUIRED IN SECTION 14. [MINN. R. 7090] | 9.14 IN ANY AREAS OF THE SITE WHERE FINAL VEGETATION STABILIZATION WILL OCCUR, PERMITTIES MUST RESTRICT VEHICLE AND EQUIPMENT USE TO MINIMIZE SOIL COMPACTION. [MINN. R. 7090] |
| 9.15 PERMITTIES MUST PRESERVE TOPSOIL ON THE SITE, UNLESS INFEASIBLE. [MINN. R. 7090] | 9.16 PERMITTIES MUST DIRECT DISCHARGES FROM BMPs TO VEGETATED AREAS UNLESS INFEASIBLE. [MINN. R. 7090] |
| 9.17 PERMITTIES MUST PRESERVE A 50 FOOT NATURAL BUFFER OR, IF A BUFFER IS INFEASIBLE ON THE SITE, PROVIDE REDUNDANT (DOUBLE) PERIMETER SEDIMENT CONTROLS. WHEN A SURFACE WATER IS LOCATED WITHIN 50 FEET OF THE PROJECT'S EARTH DISTURBANCES AND STORMWATER TO THE SURFACE WATER, PERMITTIES MUST INSTALL PERIMETER SEDIMENT CONTROLS AT LEAST 5 FEET APART, UNLESS LIMITED BY LACK OF AVAILABLE SPACE. NATURAL BUFFERS ARE REQUIRED ADJACENT TO ROAD DITCHES, JUDICIAL DITCHES, COUNTY DITCHES, STORMWATER CLOUDS, AND OTHER CONSTRUCTION FEATURES. IN THE CASE OF A SHEET PILING, PRESERVING THE BUFFER IS INFEASIBLE, PERMITTIES MUST DOCUMENT THE REASONS IN THE SWPPP. SHEET PILING IS A REDUNDANT PERIMETER CONTROL IF INSTALLED IN A MANNER THAT RETAINS ALL STORMWATER. [MINN. R. 7090] | 9.18 PERMITTIES MUST USE POLYMERS, FLOCULANTS, OR OTHER SEDIMENTATION TREATMENT CHEMICALS IN ACCORDANCE WITH ACCEPTED ENGINEERING PRACTICES, DOSING SPECIFICATIONS AND SEDIMENT REMOVAL DESIGN SPECIFICATIONS PROVIDED BY THE MANUFACTURER OR SUPPLIER. THE PERMITTIES MUST USE CONVENTIONAL EROSION AND SEDIMENT CONTROLS PRIOR TO CHEMICAL ADDITION AND MUST DIRECT TREATED STORMWATER TO A SEDIMENT CONTROL SYSTEM FOR FILTRATION OR SETTLEMENT OF THE FLOC PRIOR TO DISCHARGE. [MINN. R. 7090] |
| 10.1 DEWATERING AND BASIN DRAINING. [MINN. R. 7090] | 10.2 PERMITTIES MUST DISCHARGE TURBO OR SEDIMENT-LADEN WATERS RELATED TO DEWATERING OR BASIN DRAINING (E.G., PUMPED DISCHARGES, TRENCH/DITCH CUTS FOR DRAINAGE) TO A TEMPORARY OR PERMANENT SEDIMENT BASIN ON THE PROJECT SITE UNLESS INFEASIBLE. PERMITTIES MAY DRAIN TO SURFACE WATERS IF THEY VISUALLY CHECK TO ENSURE ADEQUATE TREATMENT HAS BEEN OBTAINED ANY NUISANCE CONDITIONS (SEE MINN. R. 7050.0210, SUBP. 2) WILL NOT RESULT FROM THE DISCHARGE. IF PERMITTIES CANNOT DISCHARGE THE WATER TO A SEDIMENTATION BASIN PRIOR TO ENTERING A SURFACE WATER, PERMITTIES MUST TREAT IT WITH APPROPRIATE BMPs SUCH THAT THE DISCHARGE DOES NOT ADVERSELY AFFECT THE SURFACE WATER OR DOWNSTREAM PROPERTIES. [MINN. R. 7050.0210] |
| 10.3 IF PERMITTIES MUST DISCHARGE WATER CONTAINING OIL OR GREASE, THEY MUST USE AN OIL-WATER SEPARATOR OR SUITABLE FILTRATION DEVICE (E.G., CARTRIDGE FILTERS, PADS) PRIOR TO DISCHARGE. [MINN. R. 7090] | 10.4 PERMITTIES MUST DISCHARGE ALLEYS FROM DEWATERING OR BASIN DRAINING ACTIVITIES IN A MANNER THAT DOES NOT CAUSE EROSION OR SCOUR IN THE IMMEDIATE VICINITY OF DISCHARGE POINTS OR INUNDATION OF WETLANDS IN THE IMMEDIATE VICINITY OF DISCHARGE POINTS THAT CAUSES SIGNIFICANT ADVERSE IMPACT TO THE WETLAND. [MINN. R. 7090] |
| 10.5 IF PERMITTIES USE FILTERS WITH BACKWASH WATER, THEY MUST HAUL THE BACKWASH WATER AWAY FOR DISPOSAL, RETURN THE BACKWASH WATER TO THE BEGINNING OF THE TREATMENT PROCESS, OR INCORPORATE THE BACKWASH WATER INTO THE SITE IN A MANNER THAT DOES NOT CAUSE EROSION. [MINN. R. 7090] | 10.6 IF PERMITTIES USE FILTERS WITH BACKWASH WATER, THEY MUST HAUL THE BACKWASH WATER AWAY FOR DISPOSAL, RETURN THE BACKWASH WATER TO THE BEGINNING OF THE TREATMENT PROCESS, OR INCORPORATE THE BACKWASH WATER INTO THE SITE IN A MANNER THAT DOES NOT CAUSE EROSION. [MINN. R. 7090] |
| 10.7 11.1 INSPECTIONS AND MAINTENANCE. [MINN. R. 7090] | 10.8 IF PERMITTIES USE FILTERS WITH BACKWASH WATER, THEY MUST HAUL THE BACKWASH WATER AWAY FOR DISPOSAL, RETURN THE BACKWASH WATER TO THE BEGINNING OF THE TREATMENT PROCESS, OR INCORPORATE THE BACKWASH WATER INTO THE SITE IN A MANNER THAT DOES NOT CAUSE EROSION. [MINN. R. 7090] |
| 10.9 11.2 PERMITTIES MUST ENSURE A TRAINED PERSON, AS IDENTIFIED IN ITEM 21.2.B, WILL INSPECT THE ENTIRE CONSTRUCTION SITE AT LEAST ONCE EVERY SEVEN (7) DAYS DURING ACTIVE CONSTRUCTION AND WITHIN 24 HOURS AFTER A RAINFALL EVENT GREATER THAN 1/2 INCH IN 24 HOURS. [MINN. R. 7090] | 10.10 11.3 PERMITTIES MUST INSPECT AND MAINTAIN ALL PERMANENT STORMWATER TREATMENT BMPs. [MINN. R. 7090] |
| 10.11 11.4 PERMITTIES MUST INSPECT ALL EROSION PREVENTION AND SEDIMENT CONTROL BMPs AND POLLUTION PREVENTION MANAGEMENT MEASURES TO ENSURE INTEGRITY AND EFFECTIVENESS. PERMITTIES MUST REPAIR, REPLACE OR SUPPLEMENT ALL NONFUNCTIONAL BMPs WITH FUNCTIONAL BMPs BY THE END OF THE NEXT BUSINESS DAY AFTER DISCOVERY UNLESS ANOTHER TIME FRAME IS SPECIFIED IN ITEM 11.5 OR 11.6. PERMITTIES MAY TAKE ADDITIONAL TIME IF FIELD CONDITIONS PREVENT ACCESS TO THE AREA. [MINN. R. 7090] | 10.12 11.5 PERMITTIES MUST DESIGN THE TEMPORARY SEDIMENT BASIN PRIOR TO DISTURBING 10 OR MORE ACRES OF SOIL DRAINING THE CONSTRUCTION SITE. [MINN. R. 7090] |
| 10.13 11.6 PERMITTIES MUST DESIGN THE TEMPORARY SEDIMENT BASIN PRIOR TO DISTURBING 10 OR MORE ACRES OF SOIL DRAINING THE CONSTRUCTION SITE. [MINN. R. 7090] | 10.14 11.7 PERMITTIES MUST DESIGN THE TEMPORARY SEDIMENT BASIN PRIOR TO DISTURBING 10 OR MORE ACRES OF SOIL DRAINING THE CONSTRUCTION SITE. [MINN. R. 7090] |
| 10.15 11.8 PERMITTIES MUST DESIGN THE TEMPORARY SEDIMENT BASIN PRIOR TO DISTURBING 10 OR MORE ACRES OF SOIL DRAINING THE CONSTRUCTION SITE. [MINN. R. 7090] | 10.16 11.9 PERMITTIES MUST DESIGN THE TEMPORARY SEDIMENT BASIN PRIOR TO DISTURBING 10 OR MORE ACRES OF SOIL DRAINING THE CONSTRUCTION SITE. [MINN. R. 7090] |
| 10.17 11.10 PERMITTIES MUST DESIGN THE TEMPORARY SEDIMENT BASIN PRIOR TO DISTURBING 10 OR MORE ACRES OF SOIL DRAINING THE CONSTRUCTION SITE. [MINN. R. 7090] | 10.18 11.11 PERMITTIES MUST DESIGN THE TEMPORARY SEDIMENT BASIN PRIOR TO DISTURBING 10 OR MORE ACRES OF SOIL DRAINING THE CONSTRUCTION SITE. [MINN. R. 7090] |
| 10.19 11.12 PERMITTIES MUST DESIGN THE TEMPORARY SEDIMENT BASIN PRIOR TO DISTURBING 10 OR MORE ACRES OF SOIL DRAINING THE CONSTRUCTION SITE. [MINN. R. 7090] | 10.20 11.13 PERMITTIES MUST DESIGN THE TEMPORARY SEDIMENT BASIN PRIOR TO DISTURBING 10 OR MORE ACRES OF SOIL DRAINING THE CONSTRUCTION SITE. [MINN. R. 7090] |
| 10.21 11.14 PERMITTIES MUST DESIGN THE TEMPORARY SEDIMENT BASIN PRIOR TO DISTURBING 10 OR MORE ACRES OF SOIL DRAINING THE CONSTRUCTION SITE. [MINN. R. 7090] | 10.22 11.15 PERMITTIES MUST DESIGN THE TEMPORARY SEDIMENT BASIN PRIOR TO DISTURBING 10 OR MORE ACRES OF SOIL DRAINING THE CONSTRUCTION SITE. [MINN. R. 7090] |
| 10.23 11.16 PERMITTIES MUST DESIGN THE TEMPORARY SEDIMENT BASIN PRIOR TO DISTURBING 10 OR MORE ACRES OF SOIL DRAINING THE CONSTRUCTION SITE. [MINN. R. 7090] | 10.24 11.17 PERMITTIES MUST DESIGN THE TEMPORARY SEDIMENT BASIN PRIOR TO DISTURBING 10 OR MORE ACRES OF SOIL DRAINING THE CONSTRUCTION SITE. [MINN. R. 7090] |
| 10.25 11.18 PERMITTIES MUST DESIGN THE TEMPORARY SEDIMENT BASIN PRIOR TO DISTURBING 10 OR MORE ACRES OF SOIL DRAINING THE CONSTRUCTION SITE. [MINN. R. 7090] | 10.26 11.19 PERMITTIES MUST DESIGN THE TEMPORARY SEDIMENT BASIN PRIOR TO DISTURBING 10 OR MORE ACRES OF SOIL DRAINING THE CONSTRUCTION SITE. [MINN. R. 7090] |
| 10.27 11.20 PERMITTIES MUST DESIGN THE TEMPORARY SEDIMENT BASIN PRIOR TO DISTURBING 10 OR MORE ACRES OF SOIL DRAINING THE CONSTRUCTION SITE. [MINN. R. 7090] | 10.28 11.21 PERMITTIES MUST DESIGN THE TEMPORARY SEDIMENT BASIN PRIOR TO DISTURBING 10 OR MORE ACRES OF SOIL DRAINING THE CONSTRUCTION SITE. [MINN. R. 7090] |
| 10.29 11.22 PERMITTIES MUST DESIGN THE TEMPORARY SEDIMENT BASIN PRIOR TO DISTURBING 10 OR MORE ACRES OF SOIL DRAINING THE CONSTRUCTION SITE. [MINN. R. 7090] | 10.30 11.23 PERMITTIES MUST DESIGN THE TEMPORARY SEDIMENT BASIN PRIOR TO DISTURBING 10 OR MORE ACRES OF SOIL DRAINING THE CONSTRUCTION SITE. [MINN. R. 7090] |
| 10.31 11.24 PERMITTIES MUST DESIGN THE TEMPORARY SEDIMENT BASIN PRIOR TO DISTURBING 10 OR MORE ACRES OF SOIL DRAINING THE CONSTRUCTION SITE. [MINN. R. 7090] | 10.32 11.25 PERMITTIES MUST DESIGN THE TEMPORARY SEDIMENT BASIN PRIOR TO DISTURBING 10 OR MORE ACRES OF SOIL DRAINING THE CONSTRUCTION SITE. [MINN. R. 7090] |
| 10.33 11.26 PERMITTIES MUST DESIGN THE TEMPORARY SEDIMENT BASIN PRIOR TO DISTURBING 10 OR MORE ACRES OF SOIL DRAINING THE CONSTRUCTION SITE. [MINN. R. 7090] | 10.34 11.27 PERMITTIES MUST DESIGN THE TEMPORARY SEDIMENT BASIN PRIOR TO DISTURBING 10 OR MORE ACRES OF SOIL DRAINING THE CONSTRUCTION SITE. [MINN. R. 7090] |
| 10.35 11.28 PERMITTIES MUST DESIGN THE TEMPORARY SEDIMENT BASIN PRIOR TO DISTURBING 10 OR MORE ACRES OF SOIL DRAINING THE CONSTRUCTION SITE. [MINN. R. 7090] | 10.36 11.29 PERMITTIES MUST DESIGN THE TEMPORARY SEDIMENT BASIN PRIOR TO DISTURBING 10 OR MORE ACRES OF SOIL DRAINING THE CONSTRUCTION SITE. [MINN. R. 7090] |
| 10.37 11.30 PERMITTIES MUST DESIGN THE TEMPORARY SEDIMENT BASIN PRIOR TO DISTURBING 10 OR MORE ACRES OF SOIL DRAINING THE CONSTRUCTION SITE. [MINN. R. 7090] | 10.38 11.31 PERMITTIES MUST DESIGN THE TEMPORARY SEDIMENT BASIN PRIOR TO DISTURBING 10 OR MORE ACRES OF SOIL DRAINING THE CONSTRUCTION SITE. [MINN. R. 7090] |
| 10.39 11.32 PERMITTIES MUST DESIGN THE TEMPORARY SEDIMENT BASIN PRIOR TO DISTURBING 10 OR MORE ACRES OF SOIL DRAINING THE CONSTRUCTION SITE. [MINN. R. 7090] | 10.40 11.33 PERMITTIES MUST DESIGN THE TEMPORARY SEDIMENT BASIN PRIOR TO DISTURBING 10 OR MORE ACRES OF SOIL DRAINING THE CONSTRUCTION SITE. [MINN. R. 7090] |
| 10.41 11.34 PERMITTIES MUST DESIGN THE TEMPORARY SEDIMENT BASIN PRIOR TO DISTURBING 10 OR MORE ACRES OF SOIL DRAINING THE CONSTRUCTION SITE. [MINN. R. 7090] | 10.42 11.35 PERMITTIES MUST DESIGN THE TEMPORARY SEDIMENT BASIN PRIOR TO DISTURBING 10 OR MORE ACRES OF SOIL DRAINING THE CONSTRUCTION SITE. [MINN. R. 7090] |
| 10.43 11.36 PERMITTIES MUST DESIGN THE TEMPORARY SEDIMENT BASIN PRIOR TO DISTURBING 10 OR MORE ACRES OF SOIL DRAINING THE CONSTRUCTION SITE. [MINN. R. 7090] | 10.44 11.37 PERMITTIES MUST DESIGN THE TEMPORARY SEDIMENT BASIN PRIOR TO DISTURBING 10 OR MORE ACRES OF SOIL DRAINING THE CONSTRUCTION SITE. [MINN. R. 7090] |
| 10.45 11.38 PERMITTIES MUST DESIGN THE TEMPORARY SEDIMENT BASIN PRIOR TO DISTURBING 10 OR MORE ACRES OF SOIL DRAINING THE CONSTRUCTION SITE. [MINN. R. 7090] | 10.46 11.39 PERMITTIES MUST DESIGN THE TEMPORARY SEDIMENT BASIN PRIOR TO DISTURBING 10 OR MORE ACRES OF SOIL DRAINING THE CONSTRUCTION SITE. [MINN. R. 7090] |
| 10.47 11.40 PERMITTIES MUST DESIGN THE TEMPORARY SEDIMENT BASIN PRIOR TO DISTURBING 10 OR MORE ACRES OF SOIL DRAINING THE CONSTRUCTION SITE. [MINN. R. 7090] | 10.48 11.41 PERMITTIES MUST DESIGN THE TEMPORARY SEDIMENT BASIN PRIOR TO DISTURBING |

| PROJECT TITLE PAJTSHEUNG & NTXHI ESTATES | | DRAWN BY: M.Q.A. / DESIGN BY: Q.M.A. | | | | | | | | | | | | | | | | |
|--|---------------------|---|---------------------|--------------------|---------------------------------|---------------------------|------------|----------------------------|------------|------------------------------|--------------------------|-------------|-------------|--|--|--|--|--|
| PROJECT LOCATION ADDRESS: NORTH OF 21725 SUNRISE RD NE PID: 11-33-22-24-0001 LATITUDE: 45.365 LONGITUDE: -93.054 | | CHECKED BY: M.Q.A. / PROJ. NO.: M.Q.A. / 25-2215 ORIGINAL DATE: AUGUST 25, 2025 | | | | | | | | | | | | | | | | |
| DOCUMENTATION OF TRAINED INDIVIDUALS A. INDIVIDUAL WHO PREPARED THE SWPPP: QASEM ABUZHZELEH PLOWE ENGINEERING, INC. 6776 LAKE DRIVE LINO LAKES MN 55014 (651) 361-8233 qasem@plowe.com B. INDIVIDUAL(S) OVERSEEING IMPLEMENTATION OF, REVISING AND/OR AMENDING THE SWPPP AND INDIVIDUALS PERFORMING INSPECTIONS FOR THE PROJECT, ONE OF THESE INDIVIDUALS MUST BE AVAILABLE FOR AN ON SITE INSPECTION WITHIN 72 HOURS UPON REQUEST BY THE MPCA. [MINN. R. 7090] | | NPDES DEFINITIONS | | | | | | | | | | | | | | | | |
| CONTACT NAME _____ CONTACT PHONE _____ CONTACT E-MAIL: _____ | | TBD - WHEN INFORMATION BECOMES AVAILABLE, CONTRACTOR TO PROVIDE INFORMATION TO CITY AND WATERSHED | | | | | | | | | | | | | | | | |
| DEVELOPER MUAJTSIM VANG 2088 WEST CEDAR ST LINO LAKES, MN 55038 CONTACT NAME: MUAJTSIM VANG CONTACT PHONE: 651-795-5847 CONTACT E-MAIL: MUAJTSIM.VANG90@gmail.com | | "MANAGEMENT PRACTICES (BMP)" MEANS THE MOST EFFECTIVE AND PRACTICABLE MEANS OF EROSION PREVENTION AND SEDIMENT CONTROL, AND WATER QUALITY MANAGEMENT PRACTICES THAT ARE THE MOST EFFECTIVE AND PRACTICABLE MEANS OF TO CONTROL, PREVENT, AND MINIMIZE DEGRADATION OF SURFACE WATER, INCLUDING AVOIDANCE OF IMPACTS, CONSTRUCTION-PHASING, MINIMIZING THE LENGTH OF TIME SOIL AREAS ARE EXPOSED, PROHIBITIONS, POLLUTION PREVENTION THROUGH GOOD HOUSEKEEPING, AND OTHER MANAGEMENT PRACTICES PUBLISHED BY STATE OR DESIGNATED AREA-WIDE PLANNING AGENCIES. [MINN. R. 7090] | | | | | | | | | | | | | | | | |
| GENERAL CONTRACTOR TBD | | "CONSTRUCTION ACTIVITY" MEANS ACTIVITIES INCLUDING CLEARING, GRADING, AND EXCAVATING, THAT RESULT IN LAND DISTURBANCE OF EQUAL TO OR GREATER THAN ONE ACRE, INCLUDING THE DISTURBANCE OF LESS THAN ONE ACRE OF TOTAL LAND AREA THAT IS PART OF A LARGER COMMON-AREA OF DEVELOPMENT OR SALE IF THE LARGER COMMON-AREA IS NOT DISTURBED, OR THE DISTURBANCE OF LESS THAN ONE ACRE, THIS INCLUDES A DISTURBANCE TO THE LAND THAT RESULTS IN A CHANGE IN THE TOPOGRAPHY, EXISTING SOIL COVER, BOTH VEGETATIVE AND NON-VEGETATIVE, OR THE EXISTING SOIL TOPOGRAPHY THAT MAY RESULT IN ACCELERATED STORMWATER RUNOFF THAT MAY LEAD TO SOIL EROSION AND MOVEMENT OF SEDIMENT. CONSTRUCTION ACTIVITY DOES NOT INCLUDE A DISTURBANCE TO THE LAND OF LESS THAN FIVE ACRES FOR THE PURPOSE OF ROUTINE MAINTENANCE PERFORMED TO MAINTAIN THE ORIGINAL LINE AND GRADE, HYDRAULIC CAPACITY, AND ORIGINAL PURPOSE OF THE FACILITY. ROUTINE MAINTENANCE DOES NOT INCLUDE ACTIVITIES SUCH AS REPAIRS, REPLACEMENT, MAINTENANCE, TYPES OF CONSTRUCTION, MAINTENANCE, PAVEMENT REHABILITATION THAT DOES NOT DISTURB THE UNDERLYING SOILS (E.G., MILL AND OVERLAY PROJECTS) IS NOT CONSTRUCTION ACTIVITY. [MINN. R. 7090] | | | | | | | | | | | | | | | | |
| NARRATIVE - PERMANENT STORMWATER TREATMENT SYSTEMS PERMANENT STORMWATER MANAGEMENT FEATURES WILL INCLUDE RATE CONTROL BASINS. | | "DEWATERING" MEANS THE REMOVAL OF SURFACE OR GROUND WATER TO DRY AND/OR SOLIDIFY A CONSTRUCTION SITE TO ENABLE CONSTRUCTION ACTIVITY. DEWATERING MAY REQUIRE A MINNESOTA DEPARTMENT OF NATURAL RESOURCES WATER APPROPRIATION PERMIT AND, IF DEWATERING WATER IS CONTAMINATED, DISCHARGE OF SUCH WATER MAY REQUIRE AN INDIVIDUAL MPCA NPDES/SDS PERMIT. [MINN. R. 7090] | | | | | | | | | | | | | | | | |
| SITE IMPERVIOUS AREAS <table border="1"><tr><th></th><th>BEFORE CONSTRUCTION</th><th>AFTER CONSTRUCTION</th></tr><tr><td>TOTAL SITE AREA (ANALYSIS AREA)</td><td>26.28 ACRES</td><td>1.16 ACRES</td></tr><tr><td>TOTAL ESTIMATED IMPERVIOUS</td><td>0.67 ACRES</td><td>1.16 ACRES</td></tr><tr><td>TOTAL ESTIMATED PERVIOUS</td><td>25.61 ACRES</td><td>25.09 ACRES</td></tr><tr><td colspan="3">APPROX. 0.49 ACRE INCREASE IN IMPERVIOUS</td></tr></table> | | | BEFORE CONSTRUCTION | AFTER CONSTRUCTION | TOTAL SITE AREA (ANALYSIS AREA) | 26.28 ACRES | 1.16 ACRES | TOTAL ESTIMATED IMPERVIOUS | 0.67 ACRES | 1.16 ACRES | TOTAL ESTIMATED PERVIOUS | 25.61 ACRES | 25.09 ACRES | APPROX. 0.49 ACRE INCREASE IN IMPERVIOUS | | | "EROSION PREVENTION" MEANS MEASURES EMPLOYED TO PREVENT EROSION SUCH AS SOIL STABILIZATION PRACTICES, PERMANENT COVER OR CONSTRUCTION PHASING. [MINN. R. 7090] | |
| | BEFORE CONSTRUCTION | AFTER CONSTRUCTION | | | | | | | | | | | | | | | | |
| TOTAL SITE AREA (ANALYSIS AREA) | 26.28 ACRES | 1.16 ACRES | | | | | | | | | | | | | | | | |
| TOTAL ESTIMATED IMPERVIOUS | 0.67 ACRES | 1.16 ACRES | | | | | | | | | | | | | | | | |
| TOTAL ESTIMATED PERVIOUS | 25.61 ACRES | 25.09 ACRES | | | | | | | | | | | | | | | | |
| APPROX. 0.49 ACRE INCREASE IN IMPERVIOUS | | | | | | | | | | | | | | | | | | |
| TOTAL DISTURBED AREA -2.81 ACRES | | "GENERAL CONTRACTOR" MEANS THE PARTY WHO SIGNS THE CONSTRUCTION CONTRACT WITH THE OWNER TO CONSTRUCT THE ENTIRE PROJECT DESCRIBED IN THE FINAL PLANS AND SPECIFICATIONS, WHERE THE CONSTRUCTION PROJECT INVOLVES MORE THAN ONE CONTRACTOR, THE GENERAL CONTRACTOR IS THE PARTY RESPONSIBLE FOR MANAGING THE ENTIRE PROJECT ON BEHALF OF THE OWNER. IN SOME CASES, THE OWNER IS THE GENERAL CONTRACTOR. IN THESE CASES, THE OWNER SIGNS THE PERMIT APPLICATION AS THE OPERATOR AND BECOMES THE SOLE PERMITTEE. [MINN. R. 7090] | | | | | | | | | | | | | | | | |
| SITE MAP W/ EXISTING AND FINAL GRADES AND DESIGN CALCULATIONS SEE "STORMWATER DRAINAGE REPORT" FOR EXISTING AND PROPOSED AREA MAPS, DENOTING DRAINAGE AREA BOUNDARIES, DIRECTIONS OF FLOW, AND DISCHARGE POINTS WHERE STORMWATER LEAVES THE SITE. | | "GROUNDWATER" MEANS THE WATER CONTAINED BELOW THE SURFACE OF THE EARTH IN THE SATURATED ZONE, INCLUDING, WITHOUT LIMITATION, ALL WATERS WHETHER UNDER SEDIMENT OR REGOLITH, OR IN ROCK FORMATIONS DEEPER UNDERGROUND. [MINN. R. 7090] | | | | | | | | | | | | | | | | |
| RECEIVING WATERS WITHIN ONE MILE <table border="1"><tr><th>NAME OF WATER BODY</th><th>TYPE OF WATER BODY</th><th>SPECIAL WATER</th><th>IMPAIRED WATER</th></tr><tr><td>LARGE WETLAND (WETLAND 4)</td><td>WETLAND</td><td>NO</td><td>NO</td></tr><tr><td>ON-SITE SEDIMENTATION BASINS</td><td>BASIN</td><td>NO</td><td>NO</td></tr></table> | | NAME OF WATER BODY | TYPE OF WATER BODY | SPECIAL WATER | IMPAIRED WATER | LARGE WETLAND (WETLAND 4) | WETLAND | NO | NO | ON-SITE SEDIMENTATION BASINS | BASIN | NO | NO | "HOMEOWNER FACT SHEET" MEANS AN MPCA FACT SHEET AVAILABLE ON THE MPCA CONSTRUCTION STORMWATER WEBSITE FOR PERMITTORS TO USE TO HOMEOWNERS AT THE TIME OF SALE. [MINN. R. 7090] | | | | |
| NAME OF WATER BODY | TYPE OF WATER BODY | SPECIAL WATER | IMPAIRED WATER | | | | | | | | | | | | | | | |
| LARGE WETLAND (WETLAND 4) | WETLAND | NO | NO | | | | | | | | | | | | | | | |
| ON-SITE SEDIMENTATION BASINS | BASIN | NO | NO | | | | | | | | | | | | | | | |
| BUFFER TO SURFACE WATER <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> IF THE SITE DRAINS TO A SURFACE WATER, IS A 50-FT NATURAL BUFFER ADJACENT TO THE SURFACE WATER PRESERVED? YES NO N/A NOTE: NATURAL BUFFERS ARE NOT REQUIRED ADJACENT TO ROAD DITCHES, JUDICIAL DITCHES, COUNTY DITCHES, STORMWATER CONVEYANCE CHANNELS, STORM DRAIN INLETS, AND SEDIMENT BASINS. | | "INFEASIBLE" MEANS NOT TECHNOLOGICALLY POSSIBLE OR NOT ECONOMICALLY PRACTICABLE AND ACHIEVABLE IN LIGHT OF THE BEST INDUSTRY PRACTICES. [MINN. R. 7090] | | | | | | | | | | | | | | | | |
| A) YES, REDUNDANT PERIMETER CONTROL (SILT FENCE, BIO-ROLL LOGS, ETC.) IS PLACED IN AREAS THAT HAVE LESS THAN 50 FEET OF DISTANCE TO WETLAND EDGES. | | "INITIATED IMMEDIATELY" MEANS TAKING AN ACTION TO COMMENCE SOIL STABILIZATION AS SOON AS PRACTICABLE, BUT NO LATER THAN THE END OF THE WORK DAY, FOLLOWING THE DAY WHEN THE LAND-DISTURBING ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE, IF THE PERMITTORS KNOW THAT CONSTRUCTION WORK ON THAT PORTION OF THE SITE WILL BE TEMPORARILY CEASED FOR 14 OR MORE ADDITIONAL CALENDAR DAYS OR 7 CALENDAR DAYS WHERE ITEM 23.9 APPLIES. PERMITTORS CAN INITIATE STABILIZATION BY: A. PREPPING THE SOIL FOR VEGETATIVE OR NON-VEGETATIVE STABILIZATION; OR B. APPLYING MULCH OR OTHER NON-VEGETATIVE PRODUCT TO THE EXPOSED SOIL AREA; OR C. SEEDING OR PLANTING THE EXPOSED AREA; OR D. STARTING ANY OF THE ACTIVITIES IN A - C ON A PORTION OF THE AREA TO BE STABILIZED, BUT NOT ON THE ENTIRE AREA; OR E. FINALIZING ARRANGEMENTS TO HAVE STABILIZATION PRODUCT FULLY INSTALLED IN COMPLIANCE WITH THE APPLICABLE DEADLINE FOR COMPLETING STABILIZATION. [MINN. R. 7090] | | | | | | | | | | | | | | | | |
| TEMPORARY SEDIMENTATION BASINS <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> IF TEN (10) OR MORE ACRES OF DISTURBED SOIL DRAIN TO A COMMON LOCATION, IS A TEMPORARY SEDIMENT BASIN PROVIDED FOR TREATMENT OF THE RUNOFF BEFORE IT LEAVES THE CONSTRUCTION SITE OR ENTERS SURFACE WATER? YES NO N/A A) BECAUSE THIS SITE IS WITHIN ONE MILE OF AN IMPAIRED WATER, THIS REQUIREMENT BECOMES FIVE (5) MILES. HOWEVER, IT IS NOT ANTICIPATED THAT, WITH ONLY 2.61 ACRES OF DISTURBED AREA, THAT OVER 5 ACRES WILL BE DISTURBED. | | "IMPENETRABLE SURFACE" MEANS A CONSTRUCTED HARD SURFACE THAT EITHER PREVENTS OR RETARDS THE ENTRY OF WATER INTO THE SOIL AND CAUSES WATER TO RUN OFF THE SURFACE IN GREATER QUANTITIES AND AT AN INCREASED RATE OF FLOW THAN PRIOR TO DEVELOPMENT. EXAMPLES INCLUDE ROOFTOPS, SIDEWALKS, DRIVEWAYS, PARK LOTS, AND CONCRETE, ASPHALT, OR GRAVEL ROADS. BRIDGES OVER SURFACE WATERS ARE CONSIDERED IMPENETRABLE SURFACES. [MINN. R. 7090] | | | | | | | | | | | | | | | | |
| INfiltration FEASIBILITY <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> ARE THERE ANY INFILTRATION RESTRICTIONS FOR THE SITE (SEE 16.14 THROUGH 16.21)? YES NO N/A A) SEPTIC SOIL BORINGS WERE COLLECTED BY JOSH PUTT ON MARCH 20, 2024. THE 4 BORINGS SHOWED LINO LOAMY FINE SANDS (Lna) AND SARTELLE FINE SANDS (Ssb). HOWEVER, THE MOTTLED SOILS HAVE VARIED FROM 89.8 TO 90.5 AS SUCH, INFILTRATION IS DEEMED INFEASIBLE DUE TO SITE GRADING AND THE FACT THAT THE BOTTOM OF INFILTRATION BASINS MUST BE 3 FEET ABOVE THE HIGHEST ANTICIPATED GROUNDWATER LEVEL (HAGWL). | | "NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)" MEANS THE PROGRAM FOR ISSUING, MODIFYING, REVOKING, REISSUING, TERMINATING, MONITORING, AND ENFORCING PERMITS UNDER THE CLEAN WATER ACT, AS AMENDED (33 U.S.C. 1251 ET SEQ. SECTION 1342 AND 40 CFR PARTS 122, 123, 124 AND 450). [MINN. R. 7090] | | | | | | | | | | | | | | | | |
| ADDITIONAL STORMWATER MITIGATION MEASURES <input type="checkbox"/> <input checked="" type="checkbox"/> ARE THERE ANY STORMWATER MITIGATION MEASURES PER: YES NO • ENVIRONMENTAL REVIEW DOCUMENT? • ENDANGERED SPECIES REVIEW? • ARCHAEOLOGICAL REVIEW? • OTHER LOCAL, STATE OR FEDERAL REVIEW? IF YES TO ANY OF THE ABOVE, DESCRIBE THE MITIGATION MEASURES. FOR PURPOSES OF THIS PERMIT, MITIGATION MEASURES MEANS ACTIONS NECESSARY TO AVOID, MINIMIZE, OR MITIGATE FOR IMPACTS RELATED TO EROSION PREVENTION, SEDIMENT CONTROL, THE PERMANENT STORMWATER TREATMENT SYSTEM, POLLUTION PREVENTION MANAGEMENT MEASURES AND DISCHARGES ASSOCIATED WITH THE PROJECT'S CONSTRUCTION ACTIVITY. [MINN. R. 7090] | | "NATURAL BUFFER" MEANS AN AREA OF UNDISTURBED COVER SURROUNDING SURFACE WATERS WITHIN WHICH CONSTRUCTION ACTIVITIES ARE RESTRICTED. NATURAL BUFFER INCLUDES THE VEGETATION, EXPOSED ROCK, OR BARREN GROUND THAT EXISTS PRIOR TO COMMENCEMENT OF EARTH-DISTURBING ACTIVITIES. [MINN. R. 7090] | | | | | | | | | | | | | | | | |
| NARRATIVE - TIMING FOR INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES ALL EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THE PLANS OR IMPLEMENTED IN THE FIELD SHALL BE IN ACCORDANCE WITH THE CITY AND NPDES PHASE II PERMIT REQUIREMENTS. | | "NOTICE OF TERMINATION (NOT)" MEANS THE FORM (ELECTRONIC OR PAPER) REQUIRED FOR TERMINATING COVERAGE UNDER THE CONSTRUCTION GENERAL PERMIT. [MINN. R. 7090] | | | | | | | | | | | | | | | | |
| PHASE I: 1. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN AND SWPPP MUST BE AVAILABLE ON THE PROPERTY AT ALL TIMES. 2. INSTALLATION OF CONSTRUCTION ENTRANCE. 3. PROVIDE TEMPORARY PARKING AND STORAGE AREA. 4. INSTALL SILT FENCE AS SHOWN ON PLAN. 4.1. ADDITIONAL SILT FENCE MAY BE NECESSARY IF LOCAL CONDITIONS REQUIRE. 4.2. THE CONTRACTOR SHALL MAINTAIN SILT FENCE, INCLUDING THE REMOVAL OF ACCUMULATED SEDIMENT, THROUGH COMPLETION OF BUILDING CONSTRUCTION. 4.3. SILT FENCE SHALL REMAIN IN PLACE UNTIL SITE HAS BEEN STABILIZED. 4.4. CONTRACTOR TO PROVIDE ADDITIONAL SILT FENCE, BIOROLLS, EROSION CONTROL BLANKETS, OR OTHER APPROVED EQUAL FOR ANY SLOPES THAT APPROX. TO BE FAILING. 10. INSTALL INLET PROTECTION FOR ALL EXISTING STORM SEWER STRUCTURES. 11. INSTALL TREE PROTECTION FENCING AS APPLICABLE. 12. PERFORM SITE GRADING ON AN AREA-BY-AREA BASIS TO MINIMIZE UNSTABILIZED AREAS. 12.1. CONTRACTOR MUST IMMEDIATELY INITIATE STABILIZATION OF EXPOSED SOIL AREAS, AS DESCRIBED IN ITEM 8.4 OF THE PERMIT, AND COMPLETE THE STABILIZATION WITHIN SEVEN (7) CALENDAR DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE TEMPORARILY OR PERMANENTLY CEASES. 12.2. CONTRACTOR TO PROVIDE TEMPORARY SEDIMENTATION BASINS AS REQUIRED IN SECTION 14.1 THROUGH 14.10. 13. PAY SPECIAL ATTENTION TO ADJACENT PROPERTY LINES TO ENSURE THE EROSION CONTROL PRACTICES IN PLACE IN THOSE AREAS PREVENT MIGRATION OF SEDIMENT ONTO ADJACENT PROPERTIES. 14. STABILIZE SOIL STOCKPILES: STABILIZATION SHALL BE INITIATED IMMEDIATELY. 15. FINISH EXPOSED AREAS UPON STABILIZATION OF UPSTREAM AREAS. 16. CONTRACTOR SHALL BE RESPONSIBLE TO SWEEP/SCRAPE ADJACENT STREETS WHEN MATERIALS OR DEBRIS HAVE BEEN WASHED/FLOWED ONTO ADJACENT STREETS OR AS DIRECTED BY CITY. | | "APPROVED TMPL PLAN FOR: NONE ADDITIONAL IMPAIRMENTS: NONE NEW IMPAIRMENTS: NONE | | | | | | | | | | | | | | | | |
| PHASE II: 1. PROVIDE TEMPORARY SEED FOR DISTURBED AREAS. 2. INSTALL RIP-RAP AT FLARED-END SECTIONS. 3. INSTALL TEMPORARY INLET PROTECTION FOR ALL STORM SEWER INLET STRUCTURES IN DISTURBED AREAS. INSTALL UTILITIES INCLUDING SANITARY SEWER, WATER MAIN, STORM SEWER. 4. INSTALL CURB AND GUTTER. 5. PREPARE SITE FOR PAVING. 6. PAVE SITE. 6.1. COORDINATE SMALL UTILITIES INSTALLATIONS (GAS, PHONE, ELECTRIC, CABLE, FIBEROPTIC, ETC.) AFTER PAVEMENT INSTALLATION. 7. INSTALL INLET PROTECTION DEVICES. 8. COMPLETE GRADING AND INSTALL PERMANENT SEEDING AND/OR SOD. 9. REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES ONLY AFTER SITE HAS BEEN STABILIZED. | | "LARGE WETLAND (WETLAND 4)" APPROVED TMPL PLAN FOR: NONE ADDITIONAL IMPAIRMENTS: NONE NEW IMPAIRMENTS: NONE | | | | | | | | | | | | | | | | |
|  <p>MAP OF SURFACE WATERS</p> <p>Large Wetland (Wetland 4) is located near Martin Lake and Tamarack. A 1-mile radius circle is drawn around the wetland area.</p> | | | | | | | | | | | | | | | | | | |
| <p>STORM WATER POLLUTION PREVENTION PLAN PAJTSHEUNG & NTXHI ESTATES</p> <p>C3.2</p> | | | | | | | | | | | | | | | | | | |

I hereby certify that this plan was prepared by me or under my direct supervision and that I am a duly licensed Professional Engineer under the laws of the State of Minnesota.

11-11-2025

QASEM M. ABUZHZELEH

LIC. NO. 56299

DATE:

DATE: