

Request for Quote

Retaining Wall/ Soil Replacement

Goodrich Field

1523 5th Ave

Anoka, MN 55303

prepared for:

Independent School District 11

Anoka-Hennepin Public Schools

2727 Ferry Street North

Anoka, Minnesota 55303

prepared by:

Bolton & Menk, Inc.

Landscape Architecture · Site Planning · Civil Engineering

330 Fernbrook Lane, Suite 300

Plymouth, Minnesota 55447

October 20, 2025

Project No. 0V1.126594

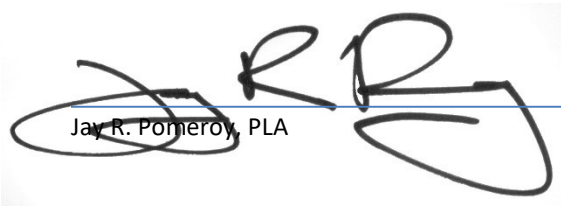
SECTION 00 01 05

CERTIFICATION SHEET

**RETAINING WALL/ SOIL REPLACEMENT
GOODRICH FIELD, ANOKA**

LANDSCAPE ARCHITECT'S CERTIFICATION

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Landscape Architect under the laws of the state of Minnesota.



Jay R. Pomeroy, PLA

No. 23543

October 20, 2025

SECTION 00 21 00

INSTRUCTIONS TO RESPONDENTS

PART 1 - GENERAL

1.1 EXAMINATION OF SITE AND DOCUMENTS

- A. Before submitting a Quote, each respondent shall carefully examine the Drawings, read the Specifications and all other Contract Documents, and visit the site of work. Each Respondent shall be fully informed prior to the Quote submittal as to all existing conditions and limitations under which the work is to be performed and they shall include in their Bid a sum to cover the cost of all items necessary to perform the work as set forth in the Contract Documents. No allowance will be made to any Respondent because of lack of such examination or knowledge. The Submission of a Quote shall be construed as conclusive evidence that the bidder has made such examination.

1.2 ORDINANCES, CODES, AND REGULATIONS

- A. Each respondent must be familiarized with all Federal, State, County and City laws, Ordinances, and Codes which affect those engaged on the work or the material or equipment used.

1.3 INTERPRETATION AND ADDENDA

- A. Questions concerning Quote Documents and Project site existing conditions must be submitted to the Owner via email, at PurchQuotes@ahschools.us by 4:00 PM on October 29, 2025. The Owner, Engineer, and Engineer's consultants will not be responsible for, nor honor any claims resulting from, or alleged to be the result of misunderstanding by the Respondent. To ensure a transparent Request for Quote process, no phone or in person inquiries will be accepted. It is the Respondent's responsibility to bring all discrepancies, ambiguities, omissions, or matters that need clarification to the Owner's attention. Responses to questions received will be responded to in an addendum, and made available to Respondents on or about October 30, 2025.

1.4 SUBSTITUTION OF PRODUCTS

- A. The use of approved manufacturer, brand and/or catalog description in specifying any item does not restrict vendors to that manufacturer, brand or catalog description identification. This is used simply to indicate the character, quality, or performance equivalence of the commodity desired, and the commodity on which Quotes are submitted must be of such character, quality, or equivalence that it will serve the purpose for which it is to be used equally well as that specified and be acceptable to the using department.
 - 1. All substitution requests must be submitted for approval during the question period of the solicitation. A complete description of the proposed substitution including packing and shipping quantities and color samples for the manufacturer, which it is to be substituted, must be included in the substitution requests.
- B. General Requirements For Product Substitution Requests For Approval During Bidding:
 - 1. To obtain approval for use of products not specified, bidders or product manufacturer representatives or their suppliers shall submit written requests for substitution via email to the Owner at PurchQuotes@ahschools.us by 4:00 PM on October 29, 2025. Requests for substitution approval received after the specified time will not be reviewed.
 - 2. Requests for substitution approval shall clearly describe the product for which approval is being requested and shall include data necessary to demonstrate acceptability of the product.
 - 3. If a product is approved for substitution, Owner will list it as an approved substitute product in an Addendum to be issued on or about October 30, 2025.

1.5 PREPARATION OF QUOTES

- A. Contract Documents have been prepared for the **26032Q – Goodrich field Retaining Wall/Soil Replacement** project. Quotes shall be on the form and wording shall be exact copies of the Quote Form included in the Project Manual. Respondents are required to include Quote Amount in the appropriate location designated on the Quote Form.

1.6 SUBMISSION OF QUOTES

- A. One complete Quote response, including attachments, shall be submitted. Vendors must submit their quotes via email to: PurchQuotes@ahschools.us.
- B. All submissions must:
 - 1. Be in PDF format (combined into a single file, if possible),
 - 2. Include the subject line: **“26032Q – Goodrich Field Retaining Wall/Soil Replacement”**
 - 3. Be received by the district no later than **4:00 p.m. local time, Wednesday, November 5, 2025**.
- C. Delivery Response
 - 1. To ensure successful delivery, vendors are required to request confirmation of receipt. The district will acknowledge receipt of all submissions via return email within one business day. If confirmation is not received, it is the vendor’s responsibility to follow up prior to the deadline.
 - 2. To protect against technical issues:
 - (a) Avoid sending large attachments that may be blocked by email servers (keep under 25MB).
 - (b) If your file is too large, contact PurchQuotes@ahschools.us for alternate submission instructions.

1.7 BASIS OF AWARD

- A. The Contract, if awarded, will be awarded to the lowest responsive and responsible Quote, with the inclusion of alternates, if any, in the order listed on the Quote Form. The Owner reserves the right to accept alternates in the order listed, up to the allowable budget for the project, based on the availability of funds, the overall benefit to the project, and the best interests of the District. The total contract amount will include the Quote amount and the selected alternates, if any.

1.8 DETERMINATION OF RESPONSIBILITY

- A. Prior to award of the Contract, an evaluation will be made to determine if the low Respondent has the capability, in all respects, to perform fully the contract requirements and the moral and business integrity and reliability which will assure good faith performance, and who has been prequalified, if required. In determining the "lowest responsible bidder," the School District will evaluate a bidder's responsibility, or lack of responsibility, including, but not limited to:
 - 1. Its demonstrated compliance with Minnesota's responsible contractor requirements contained in Section 16C.285 of Minnesota Statutes;
 - 2. References it supplies to the School District which relate to the quality of its performance, management, expertise, responsiveness and timeliness, and its successful completion of work of similar complexity and time restriction.
 - 3. Sufficient financial ability to perform the contract as evidenced by the Respondent's ability to obtain payment and performance bonds from an acceptable surety.
 - 4. Appropriate experience to perform the Work described in the Quote documents;
 - 5. Any judgments entered against the Respondent, or any officers, directors, partners or owners for breach of a contract for construction;
 - 6. Any substantial noncompliance with the terms and conditions of prior construction contracts with a public body without good cause where the substantial noncompliance is documented; or

7. A conviction of the Respondent or any officer, director, partner, project manager, procurement manager, chief financial officer, or owner in the last five years of a crime relating to governmental or nongovernmental construction or contracting; payment and performance bonds an acceptable surety; contracting; payment and performance bonds an acceptable surety;
 8. Any current debarment of the contractor, any officer, director or owner, from bidding or contracting by any public body of any State, any State agency, or any agency of the Federal government.
 9. The School District may consider the quality and timeliness of a Respondent's performance of work for the District in determining whether the Respondent is "responsible".
 10. The School District Reserves the right to disqualify or refuse to accept the Quote of any respondent who has been convicted, or entered a plea of guilty or nolo contendere, in any Federal or State court to any charge involving any unlawful, corrupt or collusive practice involving a public contract whether Federal, State, or local, or who has been determined in any judicial proceeding to have violated any antitrust, Quote-rigging or collusive practice statute in connection with any public contract, or against whom such formal criminal prosecution or other judicial proceeding has been initiated.
- B. A Respondent who, despite being the apparent low bidder, is determined not to be a responsible bidder shall be notified in writing.

1.9 AWARD OF QUOTE

- A. Owner acceptance of the Quote of shall bind the Respondent to provide all required bonds and certificates and to execute the Contract within 10 (ten) days after notification of such award. One calendar day shall be subtracted from the specified number of calendar days to complete the Project for each day beyond the six (6) days that the Respondent fails to provide the required bonds, certificates and execute the Contract.

1.10 REJECTION OF QUOTES

- A. A Quote may be rejected if it contains any alteration or erasure unless the alteration or erasure is corrected as herein provided. An alteration or erasure may be crossed out and the correction thereof printed in ink by the person signing the bid. The person signing the Quote shall also file a certificate with the Quote explaining the correction of the alteration or erasure. The Owner reserves the right to reject any or all Quotes or any part of any Quotes, waive minor defects or technicalities, or to request new Quotes as it may deem best for its interest.

1.11 ERROR IN QUOTES

- A. Respondents or their authorized agent are expected to examine the Drawings, Specifications and also all forms and instructions pertaining to the Work which will be open for inspection. Failure to do so will be at the respondent's risk and they cannot secure relief on the plea of error in Quote.

1.12 WITHDRAWAL OF QUOTES

- A. Quotes may be withdrawn by letter request received from the respondents prior to the time set for opening of the Quotes; provided that any such requests be signed in the same manner and by the same person or persons who signed the Quote and should not reveal the amount of the Quote; if such request for withdrawal is not explicit and if it is in any sense subject to misinterpretation, the Quote shall be subject to either acceptance or rejection, as may be the best interest of the Anoka-Hennepin School District, and in its discretion.

1.13 DISQUALIFICATION OF RESPONDENTS

- A. Any of the following reasons may be considered sufficient cause for disqualification of a Respondent and the rejection of their Quote:
 - 1. More than one Quote for the same work from an individual, firm, or corporation under the same or different name.
 - 2. Evidence of collusion among respondents. Participants in collusion will receive no recognition as respondent on future work until they have reinstated as responsible respondents.
 - 3. Evidence that any respondent is interested in more than one Quote for the same work.

1.14 PERMITS

- A. The Contractor shall make application for and take out all necessary permits required by all governing authorities. The Contractor shall bear all costs, fees, and charges of required permits. Fees for such permits shall be included in the bid price, and the Contractor shall indemnify and hold harmless the Anoka-Hennepin School District against any such charges.

1.15 TAXES

- A. The Contractor shall be deemed to have included in the price quoted the amounts payable by the successful respondent or by the Owner in account of taxes imposed by any taxing authority upon the sale, purchase or use of materials, supplies or equipment.

1.16 RESPONSIBILITY OF COORDINATION

- A. The Owner reserves the right to let other contracts in connection with the Work. The Contractor shall afford other Contractors reasonable opportunity for the introduction and storage of their materials and the execution of their work and shall properly connect and coordinate his work and theirs.
- B. If any part of the Contractor's work depends for proper execution or results upon the work of any other Contractor, the Contractor shall inspect and promptly report to the Engineer any defects in such work that render it unsuitable for such proper execution and results. Their failure so to inspect and report shall constitute an acceptance of the other Contractor's work as fit and proper for the reception of his work.
- C. To ensure the proper execution of his subsequent work, the Contractor shall measure work already in place and shall at once report to the Engineer any discrepancy between the executed work and the drawings which will affect his work.

1.17 TIME OF COMMENCEMENT - SITE AVAILABILITY

- A. Start date: On or about November 10, 2025.
- B. Access to and into the sites shall be maintained throughout the project for emergency and related personnel.

1.18 MILESTONE COMPLETION DATES

- A. Substantial Completion
 - 1. It is the preference of ISD11 to have the work completed this year prior to freeze-up, but not later than March 13, 2026.

B. Final Completion

1. March 20, 2026.

C. No Quote may be withdrawn within forty-five (45) days after the opening of Quotes.

D. The Owner reserves the right to accept or reject any or all Quotes and to waive any informalities or irregularities.

PART 2 - PRODUCTS

NOT USED

PART 3 - EXECUTION

NOT USED

END OF SECTION 00 21 00

SECTION 00 41 00

QUOTE FORM

(Copy this form onto Respondent's letterhead)

QUOTE DUE: Independent School District 11, Anoka-Hennepin Public Schools, is requesting construction quotes be submitted by **4:00 pm, Wednesday, November 5, 2025**.

QUOTE FOR: **26032Q – Goodrich Field Retaining Wall/Soil Replacement**

QUOTE TO: Vendors must submit their quotes via email to:
PurchQuotes@ahschools.us

QUOTE FROM: _____

We, the undersigned, have examined the Contract Documents prepared by Bolton & Menk, Inc., Minneapolis, Minnesota, dated October 20, 2025, and have become thoroughly familiar with local conditions affecting the cost and performance of the work.

In accordance with all requirements of the Contract Documents and related Addenda, we hereby propose and agree to provide all labor and materials required to construct and complete the work in accordance with the Contract Documents and Addenda for the following amounts:

Retaining Wall/ Soil Replacement: \$ _____

written amount: _____

Start-up and Completion Dates: If this Quote is accepted within 15 days of Quote opening, we agree to start and to substantially complete the work by the following dates.

1. Start Up: On or about November 10, 2025 OR _____
2. Substantial Completion: It is the preference of ISD11 to have the work completed this year prior to freeze-up, but not later than March 13, 2026 OR _____

Quote Acceptance: If written notice of the acceptance of this Quote is received by the undersigned within 15 days after date set for opening of this Quote, or at any other time thereafter before Quote is withdrawn, the undersigned agrees to enter into and execute a Contract with the Owner in accordance with this Quote as accepted and in a form acceptable to Owner within 10 days after notice of acceptance of this Quote.

Contractor's Insurance Requirements: Certificates of insurance acceptable to the Owner shall be submitted prior to the commencement of the Work.

- I. Liability insurance shall include all major divisions of coverage and be on a comprehensive basis including the following:
 - a. General Liability Insurance for Bodily Injury and Property Damage
 - b. Products and Completed Operations
 - c. Personal Injury and Employee Benefits Injury.
 - d. Contractual including specified provision for Contractor's obligation.
 - e. Owned, non-owned and hired motor vehicles.
 - f. Umbrella/Excess Liability.
- II. A General Liability or Umbrella Liability Policy on a claims-made basis will not be accepted without prior approval of the Owner.
- III. Workers' Compensation:
 - a. Minnesota Statutory
 - b. Employer's Liability
 - \$1,000,000 per accident
 - \$ 500,000 disease, policy limit
 - \$1,000,000 disease, each employee
 - c. Commercial General Liability (comparable to ISO form CG0001798)
 - i. Bodily Injury and Property Damage
 - ii. Each Occurrence \$1,000,000
 - iii. Personal Injury, Employee Benefit Injury and Advertising Injury \$1,000,000
 - iv. General Aggregate (Other than Products/Completed Operations) \$1,000,000
 - v. Products-Completed Operations Aggregate Limit \$1,000,000
 - vi. Per Project Aggregate \$1,000,000
 - vii. The Owner shall be added as additional insured on a primary basis with respect to operations of the Contractor.
 - viii. Products Completed Operations Insurance shall be maintained for a minimum period of 2 years after final payment. The Contractor shall continue to provide evidence of such coverage to the Owner on an annual basis during the aforementioned period.
 - d. Business Auto Liability (including owned, non-owned and hired vehicles):
 - Bodily Injury and Property Damage, per Accident or Occurrence
 - \$1,000,000
 - e. Umbrella/Excess Liability: Over primary insurance to include auto, workers compensation, employee liability and the General Liability policies \$2,000,000
 - f. The limits of liability shall not be reduced by the costs of defense.
 - g. The Contractor shall maintain the required insurance in force continuously from before commencing work for a period at least twelve months after final completion, or for such longer period as may otherwise be required by the Contract Documents.
 - h. If greater limits or coverages are required elsewhere in the Contract Documents, the Contractor shall provide those coverages and limits as well.

- i. The Contractor's Contractual Liability Insurance shall cover the Contractor's obligations and any other contractual defense or indemnity obligations of the Contractor under the Agreement or Contract.
 - j. Should any portion of the above be cancelled before the expiration date, the issuing insurer(s) will agree via endorsement to mail 30 days written notice to the Owner.
- IV. Property Insurance
 - a. The Contractor shall purchase and maintain, in a company or companies lawfully authorized to do business in the jurisdiction in which the Project is located, property insurance written on a builder's risk "all risk" or equivalent policy form in the amount of the contract Sum, plus value of subsequent Contract modifications, and cost of materials supplied or installed by others, comprising total value for the entire Project at the site on a replacement cost basis without optional deductibles.
 - i. These certificates and the insurance policies required herein shall contain a provision that coverage afforded under the policies will not be cancelled, materially altered or allowed to expire until at least 60 days prior written notice has been given to the Owner. If any of the foregoing insurance coverages are required to remain in force after final payment, an additional certificate evidencing continuation of such coverage shall be submitted with the final Application for Payment as required by Subparagraph 9.10.2. Information concerning reduction in coverage on account of revised limits or claims paid under the General Aggregate, or both, shall be furnished by the Contractor with reasonable promptness in accordance with the Contractor's information and belief. Certified copies of the policies providing coverage for the Contractor will be provided upon request of the Owner.
- V. The Contractor shall name the Architect and the Owner and their agents and employees as Additional Insured on a primary basis on the Contractor's Comprehensive or Commercial General Liability, commercial auto, discontinued products, completed operations and umbrella/excess liability policies. These policies shall be endorsed to include these parties as additional insured and shall be indicated as such on the Certificate of Insurance. Being named as certificate holder only will not fulfill this requirement.

Responsible Contractor Verification of Compliance: The Responsible Contractor form is included as an attachment to this Document.

Execution of Quote: The entity(ies) signing this Quote is fully authorized to sign on behalf of the named firm and to fully bind the named firm to all of the conditions and provisions of the Contract. I understand the Owner reserves the right to reject any or all Quotes, and it is agreed that this Quote shall remain valid and not be withdrawn for 60 calendar days after Quote due date.

Submitted this _____ day of _____, 20____.

Name of Company: _____

Street Address: _____

City / State / Zip: _____

Respondent is (Check One)

() Individual () Partnership () Corporation

If Respondent is a corporation, give legal name of corporation, state where incorporated, and names of president and secretary; if a partnership, give names of all individual co-partners composing the firm; and if an individual, give first and last name in full.

Name (Typed or Printed): _____

Signature: _____

Title: _____

END OF QUOTE



**Certification Regarding
Debarment, Suspension, and Other Responsibility Matters Primary
Covered Transactions**

This certification is required by the regulations implementing Executive Order 12549, Debarment and Suspension, 13 CFR Part 145. The regulations were published as Part VII of the May 26, 1988 *Federal Register* (pages 19160-19211). Copies of the regulations are available from local offices of the U.S. Small Business Administration.

(BEFORE COMPLETING CERTIFICATION, READ INSTRUCTIONS ON REVERSE)

- (1) The prospective primary participant certifies to the best of its knowledge and belief that it and its principals:
 - (a) Are not presently debarred, suspended, proposed for disbarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
 - (b) Have not within a three-year period preceding this application been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
 - (c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State, or local) with commission of any of the offenses enumerated in paragraph (1)(b) of this certification; and
 - (d) Have not within a three-year period preceding this application had one or more public transactions (Federal, State, or local) terminated for cause or default.
- (2) Where the prospective primary participant is unable to certify to any of the statements in this certification, such prospective primary participant shall attach an explanation to this proposal.

Business Name _____

Date _____

By _____

Name and Title of Authorized Representative

Signature of Authorized Representative



INSTRUCTIONS FOR CERTIFICATION

1. By signing and submitting this proposal, the prospective primary participant is providing the certification set out below.
2. The inability of a person to provide the certification required below will not necessarily result in denial of participation in this covered transaction. The prospective participant shall submit an explanation of why it cannot provide the certification set out below. The certification or explanation will be considered in connection with the department or agency's determination whether to enter into this transaction. However, failure of the prospective primary participant to furnish a certification or an explanation shall disqualify such person from participation in this transaction.
3. The certification in this clause is a material representation of fact upon which reliance was placed when the department or agency determined to enter into this transaction. If it is later determined that the prospective primary participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department or agency may terminate this transaction for cause or default.
4. The prospective primary participant shall provide immediate written notice to the department or agency to which this proposal is submitted if at any time the prospective primary participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.
5. The terms "covered transaction," "debarred," "suspended," "ineligible," "lower tier covered transaction," "participant," "person," "primary covered transaction," "principal," "proposal," and "voluntarily excluded," as used in this clause, have the meanings set out in the Definitions and Coverage sections of the rules implementing Executive Order 12549. You may contact the department or agency to which this proposal is submitted for assistance in obtaining a copy of those regulations (13 CFR Part 145).
6. The prospective primary participant agrees by submitting this proposal that, should the proposed covered transaction be entered, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency entering into this transaction.
7. The prospective primary participant further agrees by submitting this proposal that it will include the clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion--Lower Tier Covered Transactions," provided by the department or agency entering into this covered transaction, without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions.
8. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that it is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant may decide the method and frequency by which it determines the ineligibility of its principals. Each participant may, but is not required to, check the Nonprocurement List.
9. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of a participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.
10. Except for transactions authorized under paragraph 6 of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency may terminate this transaction for cause or default.

SECTION 00 45 18

CERTIFICATION OF COMPLIANCE WITH RESPONSIBLE CONTRACTOR ACT

PART 1 - GENERAL

1.1 SUMMARY

- A. Per the Laws of Minnesota, 2014, Chapter 253, Minnesota Statute 16C.285 a construction contract in excess of \$50,000 shall not be awarded unless the contractor is considered a "responsible contractor" as defined in Minnesota Statute 16C.285. All Prime Respondents who are submitting a proposal for a construction project shall submit along with their proposal a signed statement under oath by an owner or officer of the company certifying compliance with each of the minimum criteria specified in subdivision 3 of Minnesota Statute 16C.285, a copy of which is included following this section.
- B. Certification of Compliance by Subcontractors: All subcontractors that a prime contractor intends to use to perform work on a project must have verified to the contractor through a signed statement under oath by an owner or officer of the company that they meet the minimum criteria listed on clauses (1) through (6) of Subparagraph 3 of Minnesota Statute 16C.285. The List of First-Tier Subcontractors form shall be included with the proposal.
 - 1. Prime contractor shall submit to the Engineer / Landscape Architect upon request copies of the signed verifications of compliance from all subcontractors.
- C. Definition of Responsible Respondent: Responsible Respondent shall be defined by those entities which meet the minimum criteria set fourth in subparagraph 3 of Minnesota Statute 16C.285. Refer to copy of Minnesota Statute 16C.285 which is included as an Appendix to this Document. A Respondent or subcontractor who does not meet the minimum criteria established in Minnesota Statutes 16C.285, subdivision 3, or who fails to verify compliance with the minimum requirements will not be a "responsible contractor" and will be ineligible to be awarded the Contract for this Project or to work on this Project.
- D. False Compliance Statements: Respondents and subcontractors making a false statement verifying compliance with any of the minimum criteria will render the Respondent or subcontractor ineligible to be awarded a construction contract for this Project and may result in the termination of a contract awarded to a prime contractor or subcontractor that makes a false statement.
- E. Certification Form: A copy of the certification form which the Respondent is to submit with their proposal is included as an attachment to this Document and is titled "Responsible Contractor Verification of Compliance". A verification of compliance need not be notarized.
- F. Signer of Certification: The person who is signing the certification for "Certification By Respondent" shall be a person who is authorized to sign a document on behalf of the organization which is submitting the proposal or is contracted to perform the purposed work.

PART 2 - PRODUCTS

Not Used

PART 3 - EXECUTION

Not Used

END OF SECTION 00 45 18

RESPONSIBLE CONTRACTOR CERTIFICATE

Applies to all prime contracts in excess of \$50,000.00

A responsible contractor is defined in Minnesota Statutes §16C.285, subdivision 3.

Any prime contractor or subcontractor who does not meet the minimum criteria under Minnesota Statute §16C.285, subdivision 3, or who fails to verify that it meets those criteria, is not a responsible contractor and is not eligible to be awarded a construction contract for the project or to perform work on the project.

A false statement under oath verifying compliance with any of the minimum criteria shall render the prime contractor or subcontractor that makes the false statement ineligible to be awarded a construction contract for the project and may result in termination of a contract awarded to a prime contractor or subcontractor that makes a false statement.

A prime contractor shall submit to the contracting authority upon request copies of the signed verifications of compliance from all subcontractors of any tier pursuant to subdivision 3, clause 7.

By signing this statement, I, _____,
(type or print name)

_____, certify that I am an owner or officer of the
(title)

Company and do verify under oath that my company is in compliance with each of the minimum criteria listed in the law.

(name of the person, partnership, or corporation submitting this proposal)

(business address)

Signed: _____ Date: _____

ATTACHMENT A

RESPONSIBLE CONTRACTOR AND CERTIFICATION OF COMPLIANCE

26032Q – Goodrich Field Retaining Wall/Soil Replacement

Minn. Stat. §16.285, Subd., 7, **IMPLEMENTATION.** any prime contractor or subcontractor that does not meet the minimum criteria in subdivision 3 or fails to verify it meets those criteria is not a responsible contractor and is not eligible to be awarded a construction contract for the project or to perform work on the project.

Minn. Stat. §16.285, Subd. 3. **RESPONSIBLE CONTRACTOR, MINIMUM CRITERIA.** “Responsible contractor” means a contractor that conforms to the responsibility requirements in the solicitation document for its portion of the work on the project and verifies that it meets the following minimum criteria:

1. The Contractor:
 - a. is in compliance with workers' compensation and unemployment insurance requirements;
 - b. is currently registered with the Department of Revenue and the Department of Employment and Economic Development if it has employees;
 - c. has a valid federal tax identification number or a valid Social Security number if an individual; and
 - d. has filed a certificate of authority to transact business in Minnesota with the secretary of state if a foreign corporation or cooperative.
2. The contractor or related entity is in compliance with and, during the three-year period before submitting the verification, has not violated section 177.24, 177.25, 177.41 to 177.44, 181.13, 181.14, or 181.722, and has not violated United States Code, title 29, sections 201 to 219, or United States Code, title 40, sections 3141 to 3148. For purposes of this clause, a violation occurs when a contractor or related entity:
 - a. repeatedly fails to pay statutorily required wages or penalties on one or more separate projects for a total underpayment of \$25,000 or more within the three-year period;
 - b. has been issued an order to comply by the commissioner of labor and industry that has become final;
 - c. has been issued at least two determination letters within the three-year period by the Department of Transportation finding an underpayment by the contractor or related entity to its own employees;
 - d. has been found by the commissioner of labor and industry to have repeatedly or willfully violated any of the sections referenced in this clause pursuant to section 177.27;
 - e. has been issued a ruling or findings of underpayment by the administrator of the Wage and Hour Division of the United States Department of Labor that have become final or have been upheld by an administrative law judge or the Administrative Review Board; or
 - f. has been found liable for underpayment of wages or penalties or misrepresenting a construction worker as an independent contractor in an action brought in a court having jurisdiction. Provided that, if the contractor or related entity contests a determination of underpayment by the Department of Transportation in a contested case proceeding, a violation does not occur until the contested case proceeding has concluded with a determination that the contractor or related entity underpaid wages or penalties.
3. The contractor or related entity is in compliance with and, during the three-year period before submitting the verification, has not violated section 181.723 or chapter 326B. For purposes of this clause, a violation occurs when a contractor or related entity has been issued a final administrative or licensing order.

4. The contractor or related entity has not, more than twice during the three-year period before submitting the verification, had a certificate of compliance under section 363A.36 revoked or suspended based on the provisions of section 363A.36, with the revocation or suspension becoming final because it was upheld by the Office of Administrative Hearings or was not appealed to the office.
5. The contractor or related entity has not received a final determination assessing a monetary sanction from the Department of Administration or Transportation for failure to meet targeted group business, disadvantaged business enterprise, or veteran-owned business goals, due to a lack of good faith effort, more than once during the three-year period before submitting the verification.
6. The contractor or related entity is not currently suspended or debarred by the federal government or the state of Minnesota or any of its departments, commissions, agencies, or political subdivisions; and
7. All subcontractors that the contractor intends to use to perform project work have verified to the contractor through a signed statement under oath by an owner or officer that they meet the minimum criteria listed in clauses (1) to (6).

Minn. Stat. 1§16.285, Subd. 5. **SUBCONTRACTOR VERIFICATION.** A prime contractor or subcontractor shall include in its verification of compliance under subdivision 4 a list of all of its first-tier subcontractors that it intends to retain for work on the project.

If a prime contractor or any subcontractor retains additional subcontractors on the project after submitting its verification of compliance, the prime contractor or subcontractor shall obtain verifications of compliance from each additional subcontractor with which it has a direct contractual relationship and shall submit a supplemental verification confirming compliance with subdivision 3, clause (7), within 14 days of retaining the additional subcontractors.

A prime contractor shall submit to the contracting authority upon request copies of the signed verifications of compliance from all subcontractors of any tier pursuant to subdivision 3, clause (7). A prime contractor and subcontractors shall not be responsible for the false statements of any subcontractor with which they do not have a direct contractual relationship. A prime contractor and subcontractors shall be responsible for false statements by their first-tier subcontractors with which they have a direct contractual relationship only if they accept the verification of compliance with actual knowledge that it contains a false statement.

Minn.Stat. §16.285, Subd. 4. **VERIFICATION OF COMPLIANCE.** A contractor responding to a solicitation document of a contracting authority shall submit to the contracting authority a signed statement under oath by an owner or officer verifying compliance with each of the minimum criteria in subdivision 3 at the time that it responds to the solicitation document.

A contracting authority may accept a sworn statement as sufficient to demonstrate that a contractor is a responsible contractor and shall not be held liable for awarding a contract in reasonable reliance on that statement. Failure to verify compliance with any one of the minimum criteria or a false statement under oath in a verification of compliance shall render the prime contractor or subcontractor that makes the false statement ineligible to be awarded a construction contract on the project for which the verification was submitted.

A false statement under oath verifying compliance with any of the minimum criteria may result in termination of a construction contract that has already been awarded to a prime contractor or subcontractor that submits a false statement. A contracting authority shall not be liable for declining to award a contract or terminating a contract based on a reasonable determination that the contractor

CERTIFICATION

By signing this document I certify that I am an owner or officer of the company, and I swear under oath that:

- 1) My company meets each of the Minimum Criteria to be a responsible contractor as defined herein and is in compliance with Minn. Stat. §16.285,
- 2) I have included Attachment A-1 with my company's solicitation response, and
- 3) if my company is awarded a contract, I will also submit Attachment A-2 as required.

Authorized Signature of Owner or Officer:	Printed Name:
Title:	Date:
Company Name:	

ATTACHMENT A-1

FIRST-TIER SUBCONTRACTOR LIST
(Submit with Prime Contractor Response)

26032Q – Goodrich Field Retaining Wall/Soil Replacement

Minn. Stat. §16.285, Subd. 5: A prime contractor or subcontractor shall include in its verification of compliance under subdivision 4 a list of all of its first-tier subcontractors that it intends to retain for work on the project.

[illegible]

ATTACHMENT A-2

ADDITIONAL SUBCONTRACTOR LIST

(Prime Contractor to submit as subcontractors are added to the project)

26032Q – Goodrich Field Retaining Wall/Soil Replacement

This form must be submitted to the Project Manager or individual as identified in the solicitation document.

Minn. Stat. §16.285, Subd. 5: If a prime contractor or any subcontractor retains additional subcontractors on the project after submitting its verification of compliance, the prime contractor or subcontractor shall obtain verifications of compliance from each additional subcontractor with which it has a direct contractual relationship and shall submit a supplemental verification confirming compliance with subdivision 3, clause (7), within 14 days of retaining the additional subcontractors.

Additional Subcontractor Names (Legal name of company as registered with the Secretary of State)	Name of city where company home office is located

SUPPLEMENTAL CERTIFICATION FOR ATTACHMENT A-2

By signing this document, I certify that I am an owner or officer of the company, and I swear under oath that:

All additional subcontractors listed on Attachment A-2 have verified through a signed statement under oath by an owner or officer that they meet the minimum criteria to be a responsible contractor as defined in Minn. Stat. §16.285.

Authorized Signature of Owner or Officer:	Printed Name:
Title:	Date:
Company Name:	

SECTION 00 73 46

WAGE DETERMINATION SCHEDULE

PART 1 - GENERAL

1.1 WAGE DETERMINATION REQUIREMENTS

- A. Bids and all Contractors shall be subject to State Prevailing Wage Rates for Highway and Heavy and shall be in accordance with Minnesota Statutes 177.41 thru 177.43. Any wage determinations which are found not to be so promulgated do not relieve the Contractor from any responsibility for paying the prevailing wage rate of the trade in question. Additional classifications may develop between certifications by the Minnesota Department of Labor and Industry. Therefore, no inferences may be drawn from the omission of a classification which has local usage. Further, the Owner will not be liable for increased labor costs, or errors or changes to the rates or classifications, prior to the awarding of Contracts.

1.2 MINIMUM WAGE DETERMINATION

- A. The Contractor may view the applicable Prevailing Wage Determination Schedule at website:
https://secure.doli.state.mn.us/prevwage/highway_data.php?region=09

PART 2 - PRODUCTS

NOT USED

PART 3 - EXECUTION

NOT USED

END OF SECTION 00 73 46

SECTION 02 01 10

EXISTING UTILITIES

PART 1 - GENERAL

1.1 NOTIFICATION

- A. The Contractor shall notify public utility companies and municipalities as to which of their properties (such as pole lines, conduits, fiber optic lines, gas pipes, TV lines, cable lines, telephone lines, water pipes, sewers and tile lines) must be removed or relocated to complete the work. This notice shall note the locations to where their properties could be relocated. However, no warranty is made or implied that the utility owners will remove or relocate their properties prior to commencement of construction operations or in sufficient time or manner to prevent interference with the Contractor's operations.
- B. The Contractor shall give notice to the owners of all known utilities at least 48 hours before starting any operations affecting those properties. If during the course of his operations, the Contractor discovers utility property whose existence was not known, he shall immediately notify the owner thereof and the Engineer.
- C. Construction operations adjacent to utility property shall not be commenced until arrangements satisfactory to the utility owner have been made for the protection of said property and continuation of service. Should any of the Contractor's equipment come in contact with or damage utility property in any way, even though there may be no apparent evidence of breakage or harm, the Contractor shall promptly notify the proper authorities and cooperate with them in determining damage and restoring interrupted services as may be needed. Where contact is made with a utility, operations shall be suspended immediately, and the area vacated, until it has been determined by the utility owner that it is safe to resume operations.
- D. The Contractor shall locate all private utilities (such as electric lines, irrigation, conduits, fiber optic lines, cable lines, telephone lines, water pipes, sewers and tile lines). The Owner will provide school personnel to aid the Contractor's locate company in locating existing private lines. The Contractor will be required to confirm all utilities which must be removed or relocated to complete the work. No additional compensation will be paid to the Contractor for utilities shown on the drawings or which otherwise may have been anticipated prior to the construction.

1.2 COMPENSATION

- A. It is understood and agreed that the Bidder has considered in his bid the relative locations of existing utilities, as shown on the Plans and that no additional compensation will be allowed for any delays, inconveniences or damages sustained due to interference which may result from those utilities or the operations of moving them.
- B. If the Contractor is required to perform any special work or use special construction methods in prosecuting work adjacent to underground utility property whose existence was not indicated in the Contract, equitable compensation will be made for the additional costs incurred.

1.3 CARE AND RESPONSIBILITY

- A. The Contractor shall employ special equipment or construction methods (including hand labor, if necessary) to accomplish the work as planned adjacent to utility properties without damage thereto. At no time shall the Contractor interfere with any persons engaged in protecting or moving utility property or in the operation of the utility.
- B. The Contractor shall assume full responsibility for reimbursing the utility owners for any damages caused to utility properties whose existence and approximate locations were made known to him before the damage was done. Nothing in this Section shall make the Contractor liable for damage to utility property located below the ground surface, in the absence of negligence, if the owner of the utility, after reasonable notice from the Contractor, fails to advise the Contractor of its location and approximate depth below the ground surface.

PART 2 - PRODUCTS

Not Used

PART 3 - EXECUTION

Not Used

END OF SECTION 02 01 10

SECTION 02 41 13

SELECTIVE SITE DEMOLITION

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes labor, materials, equipment, and accessories to provide the following:
 - 1. Provide removal of miscellaneous concrete and asphalt pavements, posts, fencing (including footings and gates), retaining walls, vegetation, and other miscellaneous existing site features which are in the path of proposed improvements.
- B. Employ a utility locating company to locate all privately owned utilities.

1.2 SITE CONDITIONS

- A. Protection of Persons: Install barricades and post with warning lights.
- B. Bench Marks and Monuments: Maintain bench marks and monuments.
- C. Protection of Existing Property to Remain: Protect existing trees and vegetation, equipment, pavements, curbing, facilities, utilities, and structures which are in area where work will be performed and which are to remain. Repair or replace existing property which is to remain that is damaged by the work, to Owner's satisfaction, at no additional cost to the Owner.

PART 2 - PRODUCTS

NOT USED

PART 3 - EXECUTION

3.1 SITE REMOVALS

- A. Site features that are to be removed or relocated are generally indicated on the Drawings. Remove and dispose of, off-site, all features and materials except for that which is permitted to remain upon determination being made by the Engineer, that their existence does not interfere with, endanger, or detract from the new construction in any way.
- B. Visit the site prior to bidding; be familiar with actual conditions in the field. Extra compensation will not be allowed for conditions which could have been determined or anticipated by examination of the site, the Contract Documents, and the information available pertaining to existing soils, utilities, and other site characteristics.
- C. All removal operations that may endanger new construction shall be completed prior to construction of affected work.
- D. Comply with all instructions and ordinances of the State of Minnesota, and all counties and municipalities regarding disposal operations, signs, traffic intersections, danger signals, barricades, fire protection, and all safety laws, ordinances, and rulings.
- E. All debris resulting from the removal and demolition operations shall be disposed of, off-site, subject to any specific regulations imposed by laws, ordinances, orders, or decrees.
- F. Removal of Existing Pavements and Curbing:
 - 1. Where a portion of an existing pavement, curb, walk, or similar structure is to be retained for use, that portion shall not be damaged during removal operations.

2. In removing asphalt or other flexible pavements, where the cut will be exposed in the finished work, saw the pavement along the removal lines with a concrete saw to a depth of not less than 1/3 the thickness of the asphalt before breaking off the asphalt. In such cases, the use of wedges, driven into the saw cut to break off the portion to be removed, will not be permitted. Cut the pavement to true lines and vertical faces.
 3. In removing concrete or other rigid pavements, curbs, and similar structures, remove to the nearest joint. Saw to a depth of not less than 1/3 the thickness of the concrete before breaking off the concrete. In such cases, the use of wedges, driven into the saw cut to break off the portion to be removed, will not be permitted. Cut the concrete to true lines and vertical faces.
 4. All demolished materials shall be removed from site unless noted otherwise.
 5. Where removal of pavement will result in a finished edge or will be abut new pavement, sawcut the existing pavement edge immediately prior to paving, or at a time when damage to the sawcut edge will be minimized.
 6. Pavement removals shall include underlying aggregate base and related materials.
- G. Removal of fencing systems, poles, and similar:
1. Removal shall include complete removal of system materials and components, including posts, footings, and other features. Unless noted otherwise, materials scheduled for removal shall not be reused.
- H. Removal of Existing Retaining Walls and portions thereof:
1. Remove existing materials from site. Materials shall not be reused.

3.2 PROTECTION OF TREES AND PLANT LIFE

- A. Protection of plant life to remain within the construction limits and adjacent thereto shall include the following:
1. Orange snow fence or orange silt fence shall be placed at drip line of trees to protect against root compaction.
 2. No equipment shall be allowed to move under drip line areas, nor shall any materials be stored within a drip line.
 3. No toxic materials shall be dumped near trees.

END OF SECTION 02 41 13

SECTION 31 00 00

EARTHWORK

PART 1 - GENERAL

1.1 SUMMARY

- A. The extent of earthwork is shown on the Drawings. This work will generally consist of, but is not limited to, the following:
1. Employ a utility locating company to locate all privately owned utilities.
 2. Stripping and stockpiling of topsoil and other soils to be reused.
 3. Earthwork (cutting and filling).
 4. Importing, spreading, and compacting fill soils.
 - (a) Placement of geotextile fabric over fill soils, as needed, if fill material has aggregates larger than 1-1/2" and will allow subsequent topsoil to filter through the fill material.
 5. Importing, exporting, spreading, and respreading of topsoil to complete work indicated on the Drawings.
 6. Dewatering of site and excavations to maintain workable conditions and to protect on-site soils from becoming unstable.
 7. Exporting excess, unsuitable or waste materials from site and importing suitable materials to the site to complete work indicated on the Drawings.
 8. Spreading and respreading of salvaged topsoil and importing approved topsoil as required to complete work shown on the Drawings.
 9. Maintaining existing site, adjacent properties, and public streets clean (on a daily basis) from construction caused dirt and debris.
 10. Maintaining dust control during grading operations. Providing for watering of soils as required to control dust.
 11. Restoration and cleanup.

1.2 JOB CONDITIONS

- A. Site Information:
1. All information concerning property boundaries, ground elevations, present obstructions on or near the site, location of conduits, pipes, wires, etc., has been obtained from a source the Owner believes reliable. Present ground and subsurface conditions are documented by test boring logs included herein, however accuracy of this data is not guaranteed, and is furnished solely for the convenience of the Bidder. Use of this data is at Bidder's risk and no additional compensation will be granted because of the Bidder's lack of knowledge of the existing site.
 2. Should uncharted, or incorrectly charted, piping, or other utilities be encountered during excavation, consult appropriate utility owner immediately for directions. Cooperate with Owner and utility companies in keeping respective services and facilities in operation. Repair any damaged utility(s) to satisfaction of utility owner.
 3. Visit the site prior to bidding; be familiar with actual conditions in the field. Extra compensation will not be allowed for conditions which could have been determined or anticipated by examination of the site, the Contract Drawings and the information available pertaining to existing soils, utilities and other site characteristics.

4. Maintain carefully, as established, temporary benchmarks, monuments, and other reference points and, if disturbed or destroyed by the Contractor, pay for replacement by a registered Engineer or Land Surveyor.
5. Locate existing underground utilities in areas of work. If utilities are to remain in place, provide adequate means of support and protection during earthwork operations.

PART 2 - PRODUCTS

2.1 EARTH MATERIALS

A. General Site Fill

1. Fill shall be free of rock, boulders, debris, rubble, lumps, wood, topsoil, soft, or frozen material.
2. Fill shall consist of debris free soils with 100% passing a 6 inch sieve. Soils shall have an organic content less than 10%.
3. The cost of imported soils shall be included in the Proposal. No additional costs will be allowed for soil import.
4. If fill material has aggregates larger than 1-1/2" and will allow topsoil to filter through the fill material, the Contractor shall provide and place a woven geotextile fabric over fill soils per manufacturer's recommendations.

B. Topsoil

1. Fertile, friable, natural loam containing a liberal amount of humus and capable of sustaining vigorous plant growth.
2. Clean and free of subsoil, stones, clods of hard earth, plants or their roots, and other extraneous matter.
3. The pH value of the topsoil shall be between 5.5 and 7.5.
4. Imported topsoil shall meet Mn/DOT 3877.2C Sandy Clay Loam Topsoil Borrow.
5. Screen all topsoil, including on-site stockpiled topsoil and imported topsoil, through a 1-inch screen prior to placement.
6. The cost of imported soils shall be included in the Proposal. No additional costs will be allowed for soil import.

PART 3 - EXECUTION

3.1 SPECIAL PRECAUTIONS

- A. Dewatering (include all costs in the lump sum bid; no additional costs will be permitted).
- B. The Contractor shall include temporary sumps and pumps for excavations in low permeability soils, such as clays.
 1. Prevent surface water and subsurface (ground) water from flowing into excavations and from flooding the site and surrounding area.
 2. Do not allow water to accumulate in excavations. Remove water to prevent soil changes detrimental to stability of subgrades and foundations. Provide and maintain pumps, well points, sumps, suction and discharge lines, and other dewatering system components necessary to convey water away from excavations. Groundwater shall be drawn down below the anticipated excavation bottom in advance of excavation.

- (a) Discharged water from pumping, diversion, or similar operations shall not be discharged to Waters of the State without being free of sediment and suspended materials and shall be treated in accordance with the requirements identified in the SWPPP Narrative. "Waters of the State" means all streams, lakes, ponds, marshes, watercourses, waterways, wells, springs, reservoirs, aquifers, irrigation systems, drainage systems and all other bodies or accumulations of water, surface or underground, natural or artificial, public or private, which are contained within, flow through, or border upon the state or any portion thereof. Waters of the State include storm sewer, curb and gutter, and pavements.
- 3. If the soils become disturbed and unstable, they shall be removed and replaced with drier compacted fill. Alternatively, under favorable weather conditions, the disturbed and / or unstable soils may be scarified, dried and recompacted back into place.
- 4. Convey water removed from excavations and rainwater to collecting or run-off areas. Establish and maintain temporary drainage ditches and other diversions outside excavation limits for each structure. Do not use trench excavations as temporary drainage ditches.
- 5. Do not place fill or compacted fill in standing water or over softened soils.
- C. Stability of Excavations
 - 1. Sidewalls of all excavations shall comply with the most current OSHA regulations and applicable local codes and ordinances. Shore and brace where adequate sloping is not feasible because of space restrictions or stability of material being excavated.
 - 2. Maintain slopes of excavations in safe condition until completion of backfilling.
 - 3. Soils on site may be sensitive to moisture and may be easily disturbed by construction traffic. Provide stabilization materials (sand, aggregate, hydrated lime, fly ash, etc.) to stabilize. Limit use of rubber-tired equipment on subgrade. Measures to protect subgrade from becoming unstable and maintaining stability of subgrade soils shall be provided. Subgrade stabilization will be incidental to the Contract. Subgrade stabilization shall be the responsibility of the Earthwork Contractor.
- D. Cold Weather Protection
 - 1. If site grading and construction takes place during cold weather, good winter construction practices shall be observed. All snow and ice shall be removed from cut and fill areas prior to additional grading. No fill, footings nor slabs shall be placed on soils which have frozen or contain frozen material. No frozen soils should be used as fill.
 - 2. Protect excavation bottoms against freezing when atmospheric temperature is less than 35° F.

3.2 COMPACTED FILL

- A. Fill shall not be placed on frozen ground, nor shall filling operations continue when the temperature is such as to permit the layer under placement to freeze.
- B. Fill shall not be placed in standing water or over softened soils.
- C. Soil clumps or slabs shall be broken up or disced to allow for proper compaction. Discing and compaction operations shall be approved by the Geotechnical Engineer.
- D. The fill material, when being compacted, shall contain the moisture content necessary for the required compaction as designated by the Geotechnical Engineer. The moisture shall be uniform throughout each layer.
- E. Manually operated vibratory plate compactors shall be used to compact fill and backfill placed within five feet from building foundation walls or retaining walls. Self-propelled compactors shall only be used outside of this five-foot limit.

3.3 COMPACTION DENSITY REQUIREMENTS

- A. Compaction of all fill and backfill shall meet or exceed the following percentages of standard Proctor density (ASTM D 698):
 - 1. 90% below landscape areas.
- B. Moisture Content Variance from Optimum:
 - 1. $\pm 4\%$ for backfill placed in landscaped areas.
- C. Tests falling below the specified density shall be cause for rejection of lift and will require further compacting or removal and recompacting at Contractor's expense until the specification requirements are met. Each lift must be approved before commencing with the next succeeding lift.

3.4 ROUGH GRADING

- A. The grades shown on the drawings are proposed finish grades. The Contractor shall grade to prescribed subgrade elevations, except landscaped areas which shall be graded to finish grade with approved topsoil.
- B. The Contractor shall be solely responsible for determining quantities of cut, fill and waste materials to be handled, and for amount of grading to be done in order to completely perform all work indicated on the Drawings. Import suitable material and export unsuitable / excess / waste material as required at no additional cost to the Owner.
- C. Provide surfaces free of debris and building materials. Complete rough grading by blading to reasonably smooth contours with neat, uniform transitions and slopes. Remove stones, rocks, debris, and similar undesirable material over 1" in diameter, weeds, root masses, sod / vegetation clumps, branches, vegetation, and other deleterious materials. Ease new grades into surrounding existing grades without awkward or abrupt transitions.
- D. All surfaces shall be finished to such contour that they will not impound surface water (all areas shall be graded to drain).
- E. Backfill in landscape areas placed against walks or pavements shall be graded flush with the walk or pavement surface on the up-gradient side and held down one inch below the walk or pavement surface on down gradient side.
- F. Rough grade tolerances are as follows:
 - 1. Unpaved areas: Not more than 0.15' above or below finish grade elevations shown on the drawings.
- G. The subgrade shall reflect the same grade (percent slope) as the finish grade to ensure a consistent depth of topsoil or pavement section.
- H. Protect newly graded areas from traffic and erosion. Repair and re-establish grades in settled, eroded and rutted areas to specified tolerances..

3.5 FINISH GRADING OF GRASS AREAS

- A. Prior to placement of topsoil, till all subgrade soils that will receive topsoil to a minimum depth of 6 inches.
- B. Spread topsoil material to a minimum depth of 6 inches (after compaction) over all turf areas within grading limits subsequent to installation of pavements, curbing, fencing, maintenance strips, and walks. Complete grading of site and bring entire site to finish elevations shown on drawings. Coordinate installation of topsoil with work by other contractors.
 - 1. General Turf areas shall be bladed smooth with light weight grading equipment. Equipment shall be equipped with large wide tires to maintain grade uniformity without over-compacting the topsoil.
- C. Compaction:
 - 1. Compact the subsoil and topsoil as necessary to prevent future settlement without inhibiting vertical drainage and subsequent turf establishment.
 - 2. If over compaction occurs (defined as a relative density above 90% Standard Proctor density), the Contractor shall scarify the soil to full depth of topsoil and regrade as required.
- D. Grade Tolerances:
 - 1. General turf areas shall not be more than 0.08' (one inch) above or below finish grade elevations.

END OF SECTION 31 00 00

SECTION 31 25 00

EROSION AND SEDIMENTATION CONTROLS

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes labor, materials, equipment, and accessories to provide the following:
 - 1. Install and maintain all erosion and sedimentation control devices.
 - 2. Additional erosion and sedimentation control devices as may be required by Local or State regulations.
 - 3. Temporary stabilization of disturbed areas and stockpiles.
 - 4. Removal of all erosion and sedimentation devices, and restoration of trenches and divots from removal of these devices.

1.2 SUBMITTALS

- A. All submittals shall be submitted or made in accordance with Section 01 33 00 - Submittals.
- B. Submit the following product information:
 - 1. Inlet Protection Devices
 - 2. Sediment Control Logs
- C. Submit a proposed schedule for implementation of erosion and sedimentation control devices:
 - 1. Prepare and submit to the Engineer for acceptance, a proposed schedule for accomplishment of the Work, including a detailed description of all proposed erosion and sedimentation control measures.
 - 2. The Contractor may use the General Construction Sequence listed in the SWPPP for basis for the schedule and modify the schedule as necessary unless the modifications adversely affect erosion sediment control.
- D. Submit maintenance Logs on a weekly basis unless otherwise directed by the Engineer, Owner, or Local/State Authorities.

1.3 QUALITY ASSURANCE

- A. Erosion and sedimentation control devices shall be inspected and approved by local authorities prior to commencement of construction operations.
- B. Contractor shall provide a knowledgeable and responsible person to implement and maintain inspection logs and provide inspections as required herein.
- C. All erosion and sedimentation control devices shall remain in place until permanent stabilization has been accomplished including but not limited to 80% turf establishment and first lift of pavement.

1.4 SITE CONDITIONS

- A. Protect adjacent properties and water resources from erosion and sedimentation damage throughout Work.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Inlet Protection Devices
 - 1. Shall be sized specifically for each structure and casting.
 - 2. Provide all materials as recommended by the manufacturer for complete installation.

3. Approved Products:
 - (a) Road Drain "Top Slab", Manufactured by Wimco
 - (b) Road Drain "Curb & Gutter", Manufactured by Wimco
 - (c) Infrasafer[®] "Sediment Control Barrier", Manufactured by Royal Environmental Systems, Inc.
 - (d) Infrasafer[®] "Debris Collection Device", Manufactured by Royal Environmental Systems, Inc.
 - (e) Infrasafer[®] "Culvert Inlet Protector", Manufactured by Royal Environmental Systems, Inc.
 - (f) Dandy Sack[®], Manufactured by Dandy Products, Inc.
 - (g) Dandy Curb Sack[®], Manufactured by Dandy Products, Inc.
 - (h) Or approved equal.

B. Sediment Control Logs

1. Provide all materials as recommended by the manufacturer for complete installation.
2. Shall consist of an outside open weave containment fabric filled with curled Aspen fibers.
3. Density shall not exceed 2.6 lb/ft³.
4. Fibers shall be:
 - (a) curled with soft, interlocking barbs to form a strong, organic filtration matrix;
 - (b) six inches or longer in length (80% minimum);
 - (c) seed free;
 - (d) evenly distributed throughout the diameter and length of the Sediment Control Log.
5. Anchors shall be:
 - (a) Wooden Stakes
 - (b) E-Staple[®], Manufactured by American Excelsior Company[®] (staples shall not be used in channelized flow applications)
6. Approved Products
 - (a) Curlex[®] "Sediment Log[®]" (Type III-9 inch), Manufactured by American Excelsior Company[®]
 - (b) Or approved equal.

PART 3 - EXECUTION

3.1 PHASING OF THE WORK

- A. Schedule and conduct operations so as to minimize erosion of soils and to prevent sedimentation of Surface Waters of the State (surface waters include curb and gutter, pavements, storm sewer, swales, or other similar storm water conveyance devices).
- B. Construction of drainage facilities, turf establishment items, and other contract Work which will contribute to the control of erosion and sedimentation shall be carried out concurrently with earthwork operations or as soon thereafter as practicable.

3.2 LIMITATION OF WORK AREA

- A. The Engineer shall have authority to limit the surface area of erodible soil that can be exposed to possible erosion at any one time, without having the permanent erosion control features completed and operative.
- B. The Contractor shall incorporate the erosion control features into the Work at the earliest practicable time and provide all additional temporary control measures as may be needed to correct conditions developing during construction.

3.3 INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES

A. Inlet Protection Devices

1. Install per Mn/DOT Standard Specification 2573.3 M and in accordance with manufacturer's recommendations.

B. Sediment Control Log

1. Place logs on smooth prepped soils and prepare a shallow trench for the sediment control log to be placed.
2. Logs shall be secured with anchors placed every two lineal feet across the length of the log and shall be driven into the ground a minimum of 16 inches at a 45 degree angle with the top of the anchor pointed upstream.
 - (a) Anchors shall be intertwined with the outer mesh on the downstream side only.
3. Logs shall be overlapped 6 inches in locations requiring more than one unit across the indicated area with an anchor at each end.
 - (a) Overlapping shall not be located in heavier flow areas such as center of swales or channels.

3.4 MAINTENANCE

- A. Maintenance of erosion and sedimentation control devices shall be in strict accordance with local and State requirements.
- B. Provide continual maintenance on all erosion and sedimentation control devices as identified herein. Repairs or replacements to all erosion and sedimentation control devices shall occur within 24 hours.
- C. The Contractor shall maintain these devices throughout their temporary life and remove them when so instructed by the Engineer.
- D. Maintenance and removal costs shall be included in the proposal. No additional costs will be permitted.

E. Inlet Protection Devices

1. Shall be cleaned when device becomes at most 1/3 full or as required to prevent flooding of adjacent areas.

F. Sediment Control Logs

1. Shall be cleaned when sediment reaches 1/3 the height of the log.
2. Logs which have washed out shall be replaced and reinforced with additional stakes to reduce the possibility of future washouts.

G. Paved Areas

1. At a minimum, provide daily sweeping of all paved surfaces. Provide additional sweeping as needed to remove excess sediment from paved surfaces.

3.5 REMOVAL AND RESTORATION

- A. Control of drainage and erosion shall include restoration work as the Engineer considers necessary in preventing siltation of public waters.
- B. Restoration shall include cleanup, shaping, replacement of topsoil, and establishment of vegetative cover on all disturbed areas where water pollution potentials have been increased due to the construction operations.
- C. Following final turf and vegetation establishment:
 1. Remove any and all excess sediment from site prior to removal of devices.
 2. All erosion and sedimentation control materials shall be completely removed and disposed of off site.
 3. All trenches and divots from anchors shall be backfilled and restored with vegetation.

4. Do not allow re-suspension of sediment or loss of trash and oil into the water during curtain or baffle removal.

- D. Remove floating head skimmer upon site and basin establishment.

3.6

COMPENSATION

- A. All expenses related to complying with the provisions herein shall be borne by the Contractor with no additional compensation being permitted.

END OF SECTION 31 25 00

SECTION 32 92 19

SEEDING

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes labor, materials, equipment, and accessories to provide the following:
 - 1. Removing temporary vegetation, weeds, root masses, rocks, and other extraneous matter from topsoil prior to seed-bed preparation.
 - 2. Scarifying, loosening, and related seed-bed preparation of all seeded areas.
 - 3. Soil preparation for the seed-bed, including tilling, raking, Fine Grading, and bringing soil to a smooth and uniform grade.
 - 4. Fertilizing prior to seeding and multiple times during the turfgrass establishment period.
 - 5. Temporary seeding and erosion blanket.
 - 6. Turfgrass seeding and turfgrass establishment of general areas.
 - 7. Furnish, install and maintain erosion control blanket.
 - 8. Establish and maintain turfgrass beginning immediately after seeding and continuing through the turfgrass establishment period as specified.
 - (a) For general areas, establish uniform turfgrass coverage as defined herein.
 - 9. Protect seeded areas from weeds, disease, insects, geese, erosion, vandalism, and trespassers.

1.2 SUBMITTALS

- A. Submit information in accordance with Section 01 33 00 – Submittal Procedures.
- B. Submit the following product information:
 - 1. Seed mix compositions prior to ordering seed.
 - 2. Bag tags, from a minimum three seed bags used during the work, within two business days of seeding operations.
 - 3. Guaranteed Fertilizer Analyses prior to ordering fertilizers.

1.3 QUALITY ASSURANCE

- A. Perform work only during periods when beneficial results are likely to be obtained. During periods of excessive drought, excessive moisture or freezing conditions, stop work and resume operations only when desired results are attainable.
- B. Contractors Qualifications:
 - 1. Seed-bed preparation, seeding, turfgrass establishment, and turfgrass maintenance shall be performed by a single firm which specializes in seeding work. The firm shall have not less than three years' experience in seed-bed preparation, Fine Grading, seeding, turfgrass establishment, and turfgrass maintenance. Submittal of qualifications will be required.
- C. Turfgrass establishment is required.

1.4 DELIVERY, STORAGE AND HANDLING

- A. Deliver packaged materials in containers showing weight, analysis, and name of manufacturer. Protect materials from deterioration during delivery and while stored at site.

PART 2 - PRODUCTS

2.1 SEED

- A. Seed shall be free of insects and disease. Species shall be true to their scientific name as specified.
- B. Seed shall be furnished by a reputable dealer in unbroken, original containers, tagged and labeled to U.S. Agriculture Department.
- C. Seed Mix Compositions:
 - 1. Seed Mix:
 - (a) The mix shall be a blend of Kentucky Bluegrass, Perennial Ryegrass and Fescue Varieties, based on the following ratios:
 - (1) 50%-70% Kentucky Bluegrass
 - (2) 15%-25% Sport Perennial Ryegrass
 - (3) 15%-30% Fine Fescue, Creeping Red Fescue, Chewings Fescue varieties.
 - (b) Seed Mix areas shall be supplemented with a "nurse crop" of annual wheat at the rate of 20 pounds per acre.

2.2 FERTILIZER

- A. Commercial turfgrass grade, uniform in composition, free-flowing material suitable for application with standard equipment.
- B. Deliver fertilizer in original, unopened containers, bearing manufacturer's guarantee, analysis, name, and trademark.
- C. Maximum SGN (Size Guide Number) = 230 (2.3 mm diameter).
- D. Formulation:
 - 1. For the first two fertilizer applications, formulation ratio for N-P-K shall be 1:1:1.
 - 2. For all subsequent fertilizer applications, formulation ratio for N-P-K shall be 2:1:1, with 25% of the Nitrogen (N) being slow release.
- E. For low ground temperature applications, use quick release Nitrogen.
 - 1. Approved products:
 - (a) Urea
 - (b) Ammonium Sulfate
 - (c) Or approved equal

2.3 HERBICIDE

- A. Pre-emergent compatible with new seeding:
 - 1. Shall contain Mesotrione, at a ratio specifically blended for turfgrass applications.
- B. Non-selective herbicide to eliminate vegetation prior to seeding:
 - 1. Shall contain Glyphosate, at a ratio specifically blended to eliminate the vegetation.

2. Shall not contain a residual longer than two weeks.

2.4 EROSION CONTROL BLANKET

A. Products:

1. Curlex® NetFree™ as manufactured by American Excelsior Company, 850 Avenue H East, Arlington, TX 76011, Ph: 800-777-7645, distributed by White Cap, St. Paul, MN (615) 647-0950.
2. Or approved equal.

- B. The erosion control blanket shall consist of softly barbed, interlocking, curled Aspen wood fibers. Fibers shall be 100% seed free and shall be 100% biodegradable. 80% of the fibers shall be 6 inches in length or greater. Thread used to stitch the fibers together shall be 100% biodegradable.

1. Erosion Control Blanket Performance requirements:

- (a) C factor: 0.063
- (b) Shear Stress: 1.0 lbs/ft²
- (c) Velocity: 3.0 ft/sec
- (d) Functional longevity: <18 months

2. Erosion Control Blanket shall have the following typical index values:

TYPICAL INDEX VALUES		
Index Property	Test Method	Value
Thickness	ASTM D 6525	0.39 in.
Light Penetration	ASTM D 6567	38%
MD-Tensile Strength Max.	ASTM D 6818	158.4 lb/ft
TD-Tensile Strength Max.	ASTM D 6818	14.5 lb/ft
MD-Elongation	ASTM D 6818	14%
TD-Elongation	ASTM D 6818	7.7%
Water Absorption	ASTM D 1117/ECTC	278%
Bench-Scale Rain Splash	ECTC Method 2	SLR = 6.14 @ 2 in/hr
Bench-Scale Rain Splash	ECTC Method 2	SLR = 7.21 @ 4 in/hr
Bench-Scale Rain Splash	ECTC Method 2	SLR = 8.47 @ 6 in/hr
Bench-Scale Shear	ECTC Method 3	1.9 lb/ft ² @ 0.5" soil loss

C. Staples:

1. "U" shaped, 100% biodegradable staple. Minimum 6" length, biodegradable E-Staple®, provided by American Excelsior Company, or approved equal.

PART 3 - EXECUTION

3.1 SEEDING SCHEDULE

- A. Seed all areas within the fall seeding window.
 - 1. Fall seeding window: August 10 through September 10
- B. If the fall seeding window cannot be met and spring seeding is the next best alternative, seed within the spring seeding window. Seeding in the spring will likely cause weed management and turfgrass establishment to be more difficult, and resulting efforts to control weeds and establish turf will be at the Contractor's expense.
 - 1. Spring seeding window: May 10 through May 25
 - (a) For spring seeding, include an application of Mesotrione based herbicide, applied at the manufacturer's recommended rates.
- C. Seeding outside the specified window dates listed above shall be reviewed with the Engineer / Landscape Architect.
- D. Seeding Schedule for temporary seed mix shall follow the guidelines identified in the SWPPP Narrative.

3.2 TURFGRASS ESTABLISHMENT PERIOD

- A. Maintenance, including watering, fertilizing, mowing, weeding, repairing, and other operations, shall continue until the latter of the following:
 - 1. Until Project Substantial Completion;
 - 2. Turfgrass establishment as determined by the Engineer / Landscape Architect.
- B. It may be necessary to continue maintenance into future growing seasons if the turfgrass is not established by the maintenance date specified above. Continue with specified maintenance until turfgrass is established.

3.3 TILLING AND SEED-BED PREPARATION

- A. Topsoil spreading, rough grading, and finish grading for areas to receive seed is specified in Section 31 00 00 Earthwork.
- B. Remove temporary vegetation and weeds. Apply herbicide containing Glyphosate, or similar non-selective herbicide, to temporary seeding, weeds, and other unwanted vegetation. Remove dead plant material, including root masses, prior to fine grading.
- C. Till soils to bring soil to a uniformly friable condition. Till using a disk, rototiller, Harley Rake, or other similar equipment when topsoil contains a moisture content that allows the soil to be easily worked. Exercise care when soil is moist.
- D. After tilling, bring areas to a smooth, even and well drained surface without undulations and irregularities.

3.4 FINE GRADING

- A. Fine Grading shall be accomplished using a land plane, planer bar, drag, or similar light weight equipment designed to smooth the surface and provide a uniform, non-rolling and non-undulating grade.
- B. Fine Grading for general turfgrass areas:
 - 1. Fine Grading will be considered acceptable based on the following:

- (a) Uniform surface.
 - (b) No rills, ridges, tire depressions, windrows, or other irregularities that will affect mowing operations, including bouncing mowers, scalping turfgrass, and similar.
 - (c) Based on visual observation.
- C. Fine Grade tolerance: 0.06' (3/4 inch) variation.
- D. Fine Grading must be reviewed by the Engineer / Landscape Architect prior to seeding. Failure to notify the Engineer / Landscape Architect to review Fine Grading will require redoing Fine Grading of deficient areas and reseeding at the Contractor's expense.
- E. Immediately prior to seeding, clear surface of soil clumps, brick, block, rocks, and stones larger than 1 inch in diameter. Remove all debris, trash, roots, vegetation clumps, branches, brush, wire, grade stakes, and other deleterious materials.
- F. Immediately prior to seeding, apply fertilizer with N-P-K ratio of 1:1:1 at a rate of 1 lbs. of Nitrogen (N) per 1,000 ft².

3.5 SEEDING

- A. If the area to be seeded was treated with herbicide, seeding shall occur no less than the recommended residual period of the specific herbicide used.
- B. Seed Application Rate:
 - 1. Seed at a rate of 180 pounds per acre (4.1 pounds per 1,000 ft²), or as otherwise recommended by the Contractor's Turfgrass Agronomist.
- C. Sowing Seeds:
 - 1. Evenly distribute seed on a still day at the specified application rate.
 - 2. Seed shall not be sown when winds exceed 5 miles per hour or other adverse weather conditions which would cause the seed to be distributed unevenly.
 - 3. Accomplish seed sowing by either Hydro Seeder or Primary Mechanical Seeder (Brillion, or equal), as follows.
 - (a) Hydro Seeder:
 - (1) During application, direct spray to obtain a uniform material distribution, evidenced by a uniform wetting of the soil surface. If the result is nonuniform distribution, such as skipped areas or saw tooth patterns, reseed the affected areas at the Contractor's expense.
 - (2) Empty the seed mixture from the tank within one hour after the seed is added to the tank. Do not use seed that remains in the tank longer than one hour.
 - (b) Primary Mechanical Seeder:
 - (1) Seed by crossing the ground in 2 directions, using half the seed rate moving in one direction, and half the seed rate moving at a slight angle (20° to 45°) to the first direction.

3.6 EROSION CONTROL BLANKET INSTALLATION

- A. Protect rolls prior to installation from moisture intrusion and ultraviolet exposure.
- B. Install erosion control blanket immediately after seeding.

- C. Install erosion control blanket in accordance with manufacturer's installation guidelines, technical bulletins, staple pattern guides, and details.
- D. Orient the erosion control blanket in vertical strips and anchor with staples as identified in the manufacturer's staple pattern guide. Overlap adjacent strips to allow for installation of a common row of staples that anchor through the stitching of both blankets.
- E. Extend the uphill termination of the uppermost section of erosion control blanket a minimum of three feet over the crest of the slope.
- F. Trench-in the uphill termination of the uppermost section of erosion control blanket. Staple the erosion control blanket to the bottom of the trench prior to backfilling the trench. Backfill and compact the trench. Seed the trench backfill.
- G. When terminating erosion control blanket on a slope into a channel, place the channel blanket over the top of the slope blanket. Install a common row of staples to anchor through both blankets.

3.7 MAINTENANCE AND ESTABLISHMENT OF TURFGRASS

A. General Requirements:

- 1. Begin maintenance immediately after seeding.
- 2. Maintain turfgrass by watering, fertilizing, mowing, weeding, repairing, and other operations, including rolling, regrading, and reseeding.
- 3. Establish a smooth, densely populated, acceptable turfgrass, free of eroded or bare areas.
- 4. Maintenance shall be accomplished until the latter of the time frames noted in Paragraph 3.2 "Turfgrass Establishment Period" of this Section.

B. Watering:

- 1. Maintain a watering schedule that will keep the soil moist, but not soaking, during the turfgrass establishment period.
- 2. Moisten soils whenever they become dry. A suggested daily frequency could be applying 1/8 inch of moisture in the morning, again at mid-day, and a final application in mid-afternoon. Soil types and weather conditions will impact watering schedule and must be taken into consideration. Adjust the watering schedule daily.
- 3. Procurement of water will be the responsibility of this Contract. Utilize the existing or proposed permanent irrigation system. Where no permanent irrigation system exists, furnish temporary above ground irrigation systems, consisting of piping, heads, valves, etc., as required to adequately water seeded areas. All costs associated with watering, including temporary irrigation systems, shall be included in the Bid.
- 4. After turfgrass reaches a height of 2 inches, increase watering time to ¼ inch to 3/8 inch per application, and reduce applications to one time per day.
- 5. After turfgrass reaches a height of 3 to 4 inches, increase watering time to ½ inch per application, applied 3 times per week (unless conditions are hot and dry - then common sense should govern the watering practices).

C. Fertilization:

- 1. After seed has been sown, follow a schedule suggested below, with fertilizations not exceeding one month apart during the growing season:
 - (a) One month after seeding:

- (1) Apply fertilizer with N-P-K ratio of 1:1:1 at a rate of 1 lbs. of Nitrogen (N) per 1,000 ft².
- (b) Two months after seeding:
 - (1) Apply fertilizer with N-P-K ratio of 1:1:1 at a rate of 1 lbs. of Nitrogen (N) per 1,000 ft².
- (c) Subsequent fertilizations:
 - (1) On or around the first of the months of May, June, July, August, September, and October, apply fertilizer with N-P-K ratio of 2:1:1 at a rate of 1 lbs. of Nitrogen (N) per 1,000 ft².
- D. Mowing:
 - 1. Mowing shall be accomplished by the Owner.
- E. Weeding:
 - 1. Spray weeds and undesirable vegetation with an appropriate herbicide. After killing, rake and remove weed remnants. Take care that turfgrass is well established before spraying chemicals.
- F. Repairs:
 - 1. Repair turfgrass areas that become eroded, gullied, or damaged, including damage due to vandalism or neglect. Repair yellowed or browned turfgrass areas. Reestablish approved conditions prior to seeding. Reseed as originally specified and establish turfgrass. All repair costs will be at the Contractor's expense.

3.8 TURFGRASS ACCEPTANCE

- A. Continue maintenance and establishment of turfgrass until acceptable conditions are obtained.
- B. Unacceptable Conditions:
 - 1. Erosion or eroded areas will not be accepted.
 - 2. Rills and ridges will not be accepted.
 - 3. Areas that include annual or perennial weeds, including, but not limited to, barnyard grass, crabgrass, quack grass, clover, dandelions, plantain, knotweed, and similar undesirable grasses or broadleaf weeds, will not be accepted.
- C. Acceptance:
 - 1. General Areas:
 - (a) Turfgrass will be accepted after a uniform and dense turfgrass population has been established. Uniform and dense is defined as 80% turfgrass coverage, with no bare areas measuring more than 12" in any direction.

3.9 FAILURE OF TURFGRASS ESTABLISHMENT AND REMEDIAL ACTION

- A. In the event an acceptable turfgrass is not established, develop a remediation plan to provide an established turfgrass.
- B. Remediation Plan:
 - 1. Develop and submit a remediation plan to the Engineer / Landscape Architect which outlines the Contractor's turfgrass establishment program.

2. Submit a reseeding schedule for review and approval to the Engineer / Landscape Architect. If necessary, an adjusted schedule will be determined by the Engineer/ Landscape Architect and shall be adhered to by the Contractor.
 3. Implement the remediation plan and submit a report that describes the remedial action taken.
- C. If, due to no fault of the Owner, turfgrass establishment cannot be provided prior to the Owner's need for using the area, sod the deficient areas at the Contractor's expense. Sodding shall be accomplished not later than six weeks prior to the Owner's need for using the area.
 - D. All costs related to Failure of Turfgrass Establishment and Remediation will be at the Contractor's expense.

3.10 CLEANING

- A. At completion of work, clean up and remove from site surplus materials, roots, stones, and debris and leave area in a clean, neat condition.
- B. Remove promptly soil and other extraneous material brought onto paved areas by work operations. Keep paved areas clean at all times.
- C. Restore ground areas disturbed as a result of seeding operations to their original condition or to desired new appearance.

3.11 PROTECTION

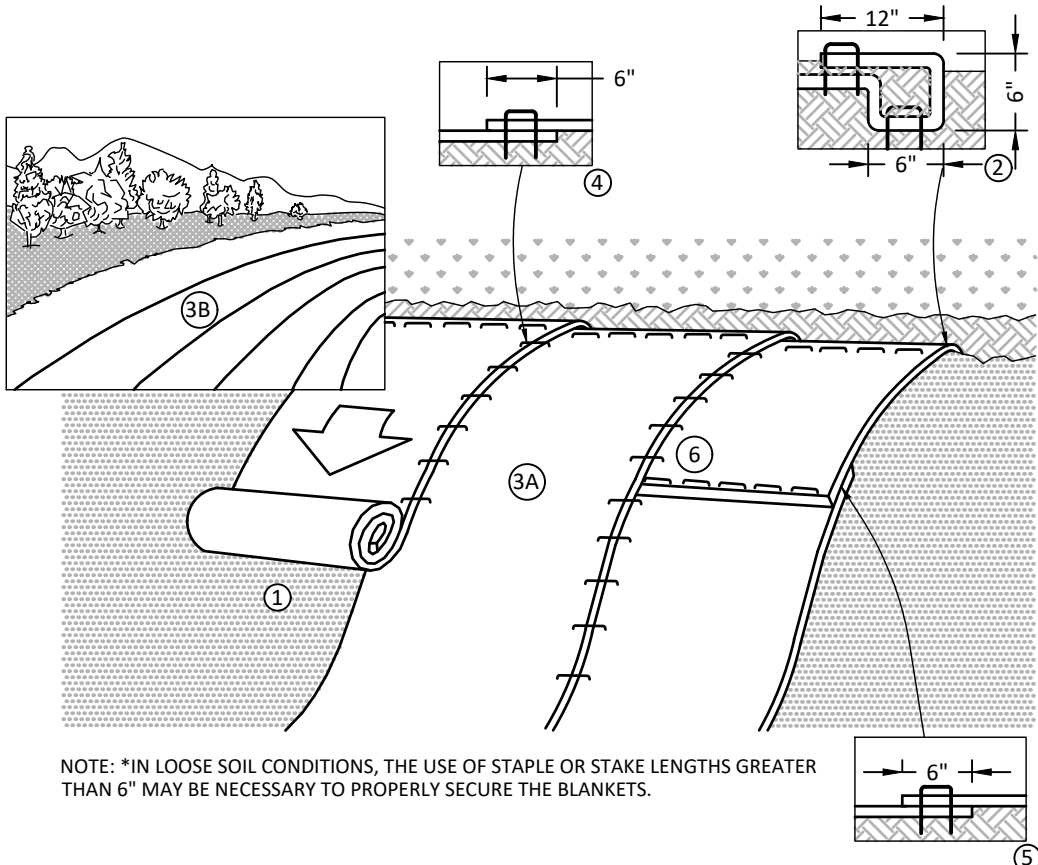
- A. Protect turfgrass from damage due to landscape operations, operations by other contractors, weeds, disease, insects, erosion, vandalism, and trespassers.
- B. Protection shall be accomplished until the latter of the time frames noted in Paragraph 3.2 "Turfgrass Establishment Period" of this Section.
- C. Protect turfgrass from geese. Determine the means to accomplish.

3.12 EROSION CONTROL DEVICE REMOVAL

- A. Remove erosion control devices, including, but not limited to, silt fence, sediment control logs, etc., after turfgrass is established and there is no risk of erosion.
- B. Backfill and regrade trenches from erosion control devices. Seed and establish turfgrass in these areas.

END OF SECTION 32 92 19

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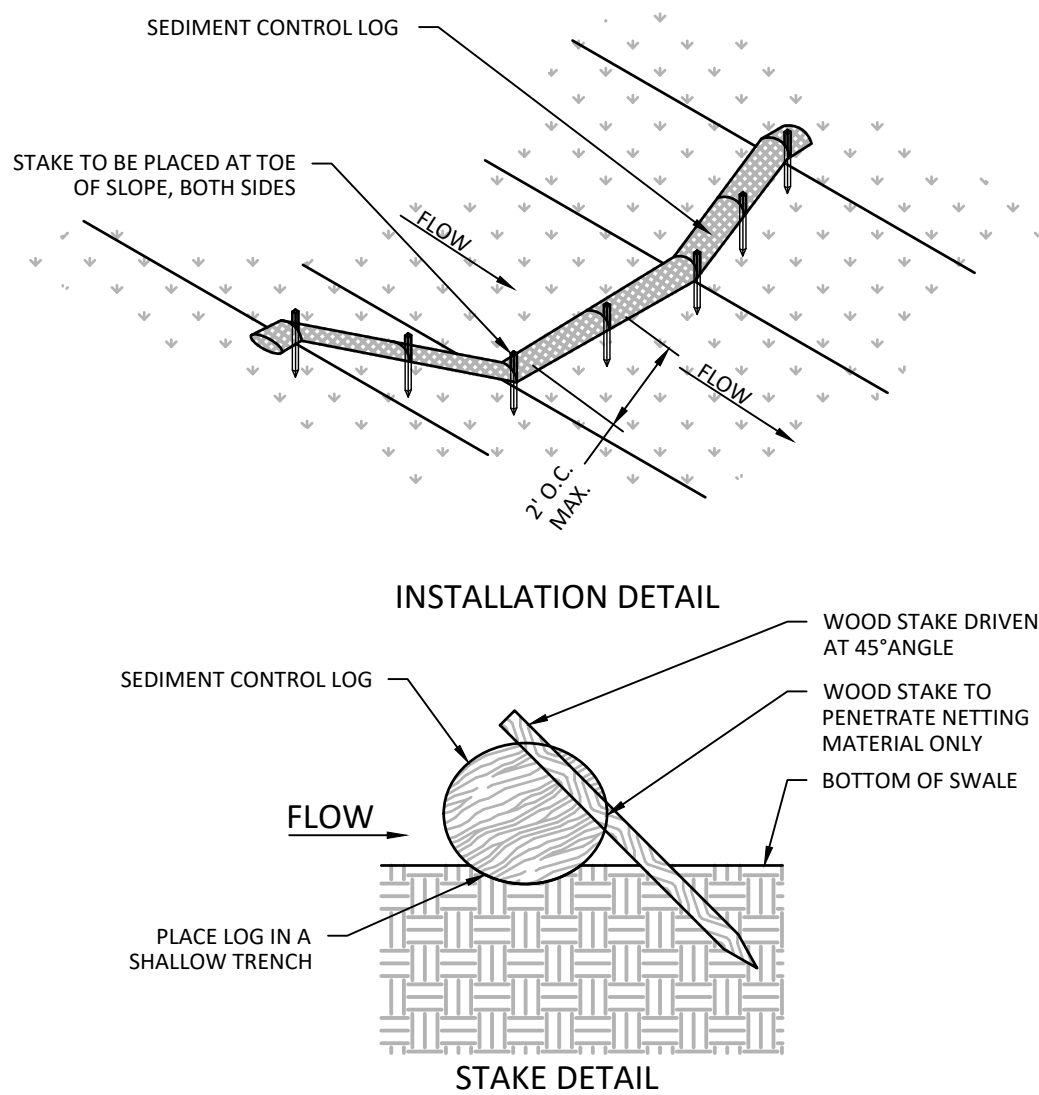


- NOTES:
1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.
 2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" DEEP X 6" WIDE TRENCH WITH APPROXIMATELY 12" OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" APART ACROSS THE WIDTH OF THE BLANKET.
 3. ROLL THE BLANKETS (A.) DOWN OR (B.) HORIZONTALLY ACROSS THE SLOPE. BLANKETS SHALL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING OPTIONAL DOT SYSTEM, STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
 4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 6" OVERLAP DEPENDING ON BLANKET TYPE. TO ENSURE PROPER SEAM ALIGNMENT, PLACE THE EDGE OF THE OVERLAPPING BLANKET (BLANKET BEING INSTALLED ON TOP) EVEN WITH THE COLORED SEAM STITCH ON THE PREVIOUSLY INSTALLED BLANKET.
 5. CONSECUTIVE BLANKETS SPICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 6" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART ACROSS ENTIRE BLANKET WIDTH.
 6. BLANKET SHALL BE STAPLED AS PER MANUFACTURER'S RECOMMENDATION.

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EROSION CONTROL BLANKET

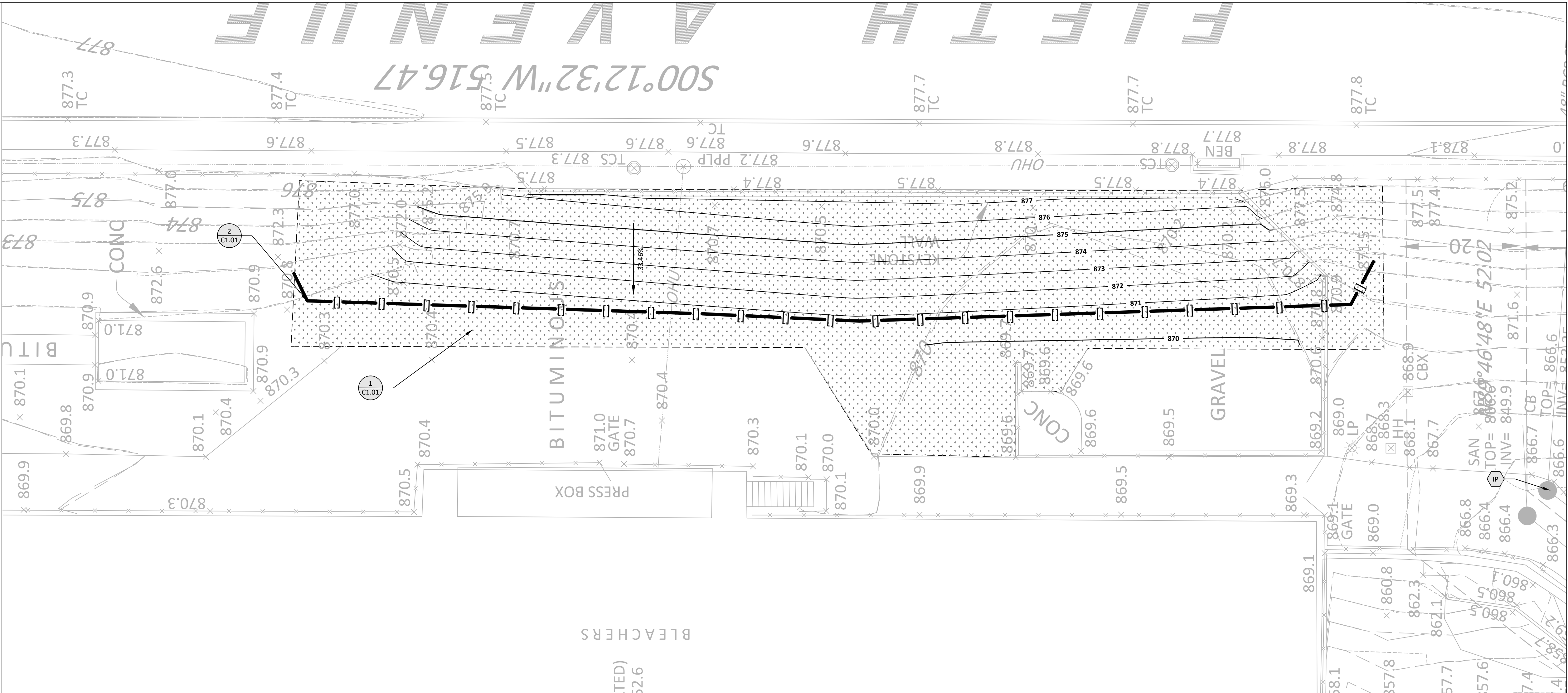
NOT TO SCALE



2
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SEDIMENT CONTROL LOG

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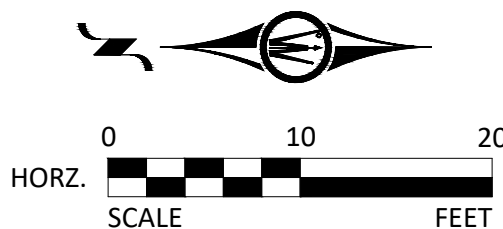


GENERAL NOTES

1. ALL CONSTRUCTION SHALL COMPLY WITH APPLICABLE STATE AND LOCAL ORDINANCES.
2. THE CONTRACTOR WILL BE RESPONSIBLE FOR AND SHALL PAY FOR ALL CONSTRUCTION STAKING / LAYOUT.
3. OBTAIN AND PAY FOR ALL RELATED CONSTRUCTION PERMITS. SUBMIT A COPY OF ALL PERMITS TO THE CITY.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL SIGNAGE (CONSTRUCTION ZONES) NECESSARY TO CONSTRUCT PROPOSED IMPROVEMENTS. ALL SIGNAGE LAYOUTS MUST BE DESIGNED BY THE CONTRACTOR AND APPROVED BY LOCAL AUTHORITIES.
5. INSTALL CONTROL FENCING AND BARRICADING AS NECESSARY TO PROTECT THE PUBLIC.
6. INSPECT SITE TO DETERMINE EXTENT OF WORK AND NATURE OF MATERIALS TO BE HANDLED.
7. REFER TO SPECIFICATIONS FOR DEWATERING REQUIREMENTS.
8. CHECK ALL PLAN AND DETAIL DIMENSIONS AND VERIFY SAME BEFORE FIELD LAYOUT.
9. MAINTAIN ADJACENT PROPERTY AND PUBLIC STREETS CLEAN FROM CONSTRUCTION CAUSED DIRT AND DEBRIS ON A DAILY BASIS. PROTECT DRAINAGE SYSTEMS FROM SEDIMENTATION AS A RESULT OF CONSTRUCTION RELATED DIRT AND DEBRIS.
10. MAINTAIN DUST CONTROL DURING GRADING OPERATIONS.
11. ALL EROSION CONTROL METHODS SHALL COMPLY WITH MPCA AND LOCAL REGULATIONS.
12. MINIMIZE DISTURBANCE TO SITE AND PROTECT EXISTING SITE FEATURES (INCLUDING TURF AND VEGETATION) WHICH ARE TO REMAIN.
13. PROPOSED CONTOURS AND SPOT ELEVATIONS ARE SHOWN TO FINISH GRADE UNLESS OTHERWISE NOTED.
14. PROPOSED ELEVATIONS SHOWN TYPICALLY AS 70.1 OR 70 SHALL BE UNDERSTOOD TO MEAN 870.1 OR 870.
15. THE CONTRACTOR WILL BE SOLELY RESPONSIBLE FOR DETERMINING QUANTITIES OF CUT, FILL AND WASTE MATERIALS TO BE HANDLED, AND FOR AMOUNT OF GRADING TO BE DONE IN ORDER TO COMPLETELY PERFORM ALL WORK INDICATED ON THE DRAWINGS. IMPORT SUITABLE MATERIAL AND EXPORT UNSUITABLE / EXCESS / WASTE MATERIAL, AS REQUIRED, AT NO ADDITIONAL COST TO THE OWNER.
16. NO FINISHED SLOPES SHALL EXCEED 3' HORIZONTAL TO 1' VERTICAL (3:1), UNLESS OTHERWISE NOTED.
17. ALL DISTURBED AREAS, WHICH ARE NOT DESIGNATED TO BE PAVED, SHALL RECEIVE AT LEAST 6" OF TOPSOIL AND SHALL BE SEEDED.
18. FAILURE OF TURF DEVELOPMENT: IN THE EVENT THE CONTRACTOR FAILS TO PROVIDE AN ACCEPTABLE TURF, RE-SEED ALL APPLICABLE AREAS, AT NO ADDITIONAL COST TO THE OWNER, TO THE SATISFACTION OF THE ENGINEER OR LANDSCAPE ARCHITECT.
19. LOCATE ALL EXISTING UTILITIES. VERIFY LOCATION, SIZE AND INVERT ELEVATION OF ALL EXISTING UTILITIES. BEFORE BEGINNING CONSTRUCTION.
20. IF EROSION AND SEDIMENT CONTROL MEASURES TAKEN ARE NOT ADEQUATE AND RESULT IN DOWNSTREAM SEDIMENTATION, CLEAN OUT DOWNSTREAM STORM SEWERS AND OTHER CONVEYANCE DEVICES AS NECESSARY, INCLUDING ASSOCIATED RESTORATION.
21. INLET PROTECTION DEVICE AT STORM SEWER INLETS. AT THE INLETS TO ALL STORM SEWER STRUCTURES, PROVIDE A PRODUCT FROM THE FOLLOWING LIST OF APPROVED PRODUCTS:
 - a. ROAD DRAIN "TOP SLAB", MANUFACTURED BY WIMCO
 - b. ROAD DRAIN "CURB & GUTTER", MANUFACTURED BY WIMCO
 - c. INFRASAFE "SEDIMENT CONTROL BARRIER", MANUFACTURED BY ROYAL ENVIRONMENTAL SYSTEMS, INC.
 - d. INFRASAFE "DEBRIS COLLECTION DEVICE", MANUFACTURED BY ROYAL ENVIRONMENTAL SYSTEMS, INC.
 - e. INFRASAFE "CULVERT INLET PROTECTOR", MANUFACTURED BY ROYAL ENVIRONMENTAL SYSTEMS, INC.
 - f. DANDY SACK, MANUFACTURED BY DANDY PRODUCTS, INC.
 - g. DANDY CURB SACK, MANUFACTURED BY DANDY PRODUCTS, INC.
 - h. OR APPROVED EQUAL.

LEGEND

	REFERENCE KEY TO SITE DETAILS DETAIL I.D. NUMBER (TOP) DETAIL SHEET NUMBER (BOTTOM)
	EXISTING CONTOUR
	EXISTING SPOT ELEVATION
	PROPOSED CONTOUR
	PROPOSED SPOT ELEVATION ME = MATCH EXISTING
	PROPOSED GRADING LIMITS
	PROPOSED SEED MIX WITH EROSION CONTROL BLANKET
	PROPOSED SEDIMENT CONTROL LOG
	INLET PROTECTION DEVICE AT STORM SEWER INLET
	PROPERTY LINE



DESIGNED	NO.	ISSUED FOR	DATE
CCA			
DRAWN			
CCA			
CHECKED			
JRP			
CLIENT PROJ. NO.			
0V1.126594			

RETAINING WALL/ SOIL REPLACEMENT - GOODRICH FIELD

ANOKA-HENNEPIN SCHOOL DISTRICT - ISD 11

SITE AND GRADING PLAN

SHEET

C1.01



3300 FERNBROOK LANE NORTH, SUITE 300
PLYMOUTH, MN 55447
Phone: (763) 544-7129
Email: Plymouth@bolton-menk.com
www.bolton-menk.com

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

JAY R. POMEROY
LIC. NO. 23543 DATE 10/20/2025