



Anoka County  
MINNESOTA

Respectful, Innovative, Fiscally Responsible

# ANOKA COUNTY TRANSPORTATION DIVISION

1440 BUNKER LAKE BLVD NW

ANDOVER, MN 55304

763-324-3176

highwaypermits@co.anoka.mn.us

PERMIT NUMBER

23-245

RIGHT OF WAY

COMMERCIAL ACCESS

CR 74

APPLICATION FOR PERMIT FOR INSTALLATION OF UTILITIES OR PLACING OBSTRUCTIONS ON THE COUNTY HIGHWAY SYSTEM  
ALL APPLICANTS MUST BE REGISTERED PRIOR TO PERMIT APPROVAL

APPLICANT NAME Dale Becklin Trucking

CONTACT PERSON Dale Becklin

ADDRESS 40050 VICKERS ST NE

CITY STANCHFIELD

PHONE NUMBER 9857784636

EMAIL dbecklin@aol.com

COMPANY OR INDIVIDUAL PERFORMING WORK Dale Becklin Trucking

CONTACT PERSON Dale Becklin

EMAIL dbecklin@aol.com

PERMIT WORK TO START 05/22/2023

PERMIT WORK TO BE COMPLETED 07/31/2023

DURATION OF JOB 2 months

ARE YOU BEING ASKED TO RELOCATE DUE TO A COUNTY PROJECT? No

ANOKA COUNTY PROJECT NUMBER

WORK SITE ADDRESS 4722 217th St NE

CITY East Bethel

METHOD OF INSTALLATION/CONSTRUCTION Turn lane, grade, pave

NATURE OF WORK Construct Turn lane, install culvert

Per approved plan.

SURFACE TO BE DISTURBED

SITE PLAN

If the roadway is encroached, you must attach a traffic control plan and/or reference the most current version of the Minnesota Temporary Traffic Control Field Manual.

DITCH/BLVD

GRAVEL

BITUMINOUS

CONCRETE

NONE



Per approved plan.

Flagging 9am-3pm.

DEPTH FROM SURFACE NA

(60" minimum under county roads)

SIZE AND KIND OF PIPE/CABLE 15" rcp

NUMBER OF EXCAVATIONS 0

SIZE OF EXCAVATIONS NA

(Length, width, and depth)

LOCATION OF EXCAVATIONS NA

(Specific written descriptions of excavations)

THIS PERMIT COVERS THE RIGHT OF WAY IN ANOKA COUNTY ONLY

ACTD reserves the right to make changes to these special conditions.



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## GENERAL INFORMATION

One permit must be approved for each county road on which work will be performed prior to any work within the right of way by any utility/contractor. Emergency conditions which threaten the safety of the public and require immediate repair are exceptions to this rule. Under those circumstances, the utility/contractor is permitted to begin and/or complete the necessary repairs. The Anoka County Transportation Division (ACTD) shall be notified of emergency repairs as soon as feasible and a written permit is to be completed within two business days of occurrence.

A license-permit bond is generally required of the contractor as part of the registration process, the amount of which will be determined by the nature of the utility work.

A sketch or drawing shall accompany each permit application which will show the location of the proposed work/utility with reference to the county highway center line and right of way line. A complete set of plans is required for all sewer/water projects.

It shall be the responsibility of the applicant to determine which of the special conditions apply to each permit.

ACTD reserves the right to revoke any utility permit and halt work, if, upon inspection of any job site, the special conditions are not met, and/or a hazard exists for the applicant or public safety is threatened. **The failure to comply with the terms and conditions of any applicable Federal, State, Regional, and local laws, rules and regulations, including any provision of Anoka County's Right-of-Way Ordinance shall be cause for immediate revocation of a permit.**

The applicant shall notify ACTD immediately upon completion of project so that the ACTD can inspect the site to determine if restoration has been satisfactorily completed.

The undersigned hereby accepts the terms and conditions of this permit and the regulations of Anoka County, and agrees to fully comply therewith to the satisfaction of the ACTD. The county of Anoka, its officials, employees, and agents, shall be held harmless, by the applicant/permittee, from any demands, claims, lawsuits, or damages relating to the work described in this permit.

APPLICANT'S SIGNATURE

DocuSigned by:

717449B46D6649D...

DATE 5/18/2023

## AUTHORIZATION OF PERMIT

In consideration of the applicant's agreement to comply in all respects with the regulations of the ACTD covering such operations, permission is hereby granted for the work to be done as described in the above application. Said work to be done in accordance with the general conditions listed above and the special conditions required as hereby stated. It is expressly understood that this permit is conditioned upon replacement or restoration of the county highway and its right of way to their original or to a satisfactory condition. It is further understood that this permit is issued subject to the approval of local city or township authorities having joint supervision over said street or highway.

APPROVED BY:

DocuSigned by:

05E91FE15CD44EE...

TITLE: Traffic Technician

DATE

5/22/2023

NOT VALID UNLESS SIGNED BY ANOKA COUNTY

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### SPECIAL CONDITIONS

#### TRAFFIC CONTROL

1. Detours
  - a. Detailed detour layouts shall be submitted to the traffic engineer for approval.
  - b. No detours shall be permitted without prior approval of the Anoka county traffic engineer.
  - c. A ten day notice must be given prior to the installation of any detour.
  - d. It shall be the responsibility of the applicant to notify Anoka county central communications, local government bodies, and any affected bus companies ten days prior to any road closures/detours.
  - e. Immediately upon completion of work and/or detours, all posts, barricades, and signs shall be removed from the right of way.
2. Traffic control devices
  - a. All traffic control devices, barricades, flashers, etc., shall be furnished by the applicant and shall be in accordance with the most recent edition of the Minnesota manual on uniform traffic control devices and temporary traffic control zone layouts – field manual of the same manual.

#### CONSTRUCTION REQUIREMENTS

- 1) Open cutting of bituminous or concrete surfaced roads will be allowed only at the discretion of the county engineer.
- 2) Neither supplies nor excavation materials shall be placed on the bituminous or concrete surface at any time.
- 3) No trenches will be allowed to remain open overnight.
- 4) Materials removed from the trench shall be used as backfill insofar as they are suitable. All backfill material shall conform to MNDOT specifications for compaction. The use of heavy equipment on top of trench, slapping with backhoe bucket and/or back casting to achieve compaction is prohibited. Any additional material required to back fill to the original grade shall be furnished by the applicant at no expense to the ACTD. All the base and surface courses damaged during construction operations shall be restored to a condition equal to or better than before operations began. The applicant shall be responsible for and restore any settlement.
- 5) All culverts, ditches, shoulders, and backslopes shall be restored to their original condition unless otherwise directed by the ACTD. Shoulders which have been previously constructed or reconstructed with special materials shall be replaced in kind. Restoration of signs, guardrails, guard posts, etc., are the sole responsibility of the applicant and shall be restored to their original condition.
- 6) All roadway maintenance required within the limits of the utility project that is related to the applicant's activities shall be the sole responsibility of the applicant for one year after completion of the project. Upon completion of the restoration work, the applicant shall request a final inspection by the ACTD. The ACTD's approved completion date shall be the starting date of the applicant's one-year responsibility.

#### HORIZONTAL BORING AND JACKING

- 1) All hard surface roadways shall be jacked or bored.
- 2) All crossings of Anoka County maintained roadbeds, shall be made by boring inside a casing or carrier pipe, or by jacking unless otherwise directed by the Anoka County Engineer. The auger shall lead the casing or carrier pipe by at least six inches whenever possible and never lead the carrier pipe by more than one inch.
- 3) The use of pneumatic devices to facilitate the roadbed crossings will be allowed in most cases with prior approval. In the event approval is not granted and applicant uses a pneumatic device to cross a roadbed and encounters an obstruction and/or unstable subbase material which makes forward or reverse motion of pneumatic device impossible, said pneumatic device then becomes part of the roadway subbase and permission to excavate to retrieve device will not be granted.
- 4) If a pneumatic device is used for the work permitted herein, the installation must be kept to a minimum of four feet below the surface of the roadway if the pneumatic device is less than two inches in diameter, and a minimum of five feet below the surface of the roadway if the pneumatic device is two inches in diameter or larger.

#### BITUMINOUS RESTORATION

- 1) The locations and dimensions of all openings to be made in the bituminous surface shall be approved by the ACTD prior to any cutting or any surface opening operations.
- 2) All openings in bituminous surfaces shall be cut in a straight line with the sides smooth and vertical. No ragged edges will be permitted. Cutting shall be done with a concrete saw.
- 3) All necessary dust control operations shall be carried out by the applicant at no expense to Anoka County.
- 4) The minimum requirement for subgrade replacement shall be the upper twelve inches of material and shall meet MNDOT specifications for class five placed in six inch layers compacted to one hundred percent of optimum density.
- 5) All manhole casings, gate valves, and other utility structures shall be set one quarter inch below the top of the finished surface.
- 6) Bituminous tack coat materials and application thereof shall conform to MNDOT specification 2357.
- 7) All bituminous surfacing shall be replaced as soon as practicable after the base construction. All bituminous surfacing shall be machine laid. Any exceptions must be approved by the ACTD. Bituminous surfacing shall be replaced to original pavement depth or to a minimum of six inches of bituminous mixture (2360), whichever is greater. Bituminous mixtures must be placed in lifts not exceeding three inches in thickness for base and binder courses and not exceeding two inches for the wear course.
- 8) All surface restoration regardless of size shall conform to existing grades.
- 9) Any unnecessary or negligent damage to bituminous surface in conjunction with the installation and/or repair of a utility shall be cut out and replaced in kind as directed by the ACTD.

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CONCRETE RESTORATION

- 1) Curb and gutter, sidewalks, and driveways shall be restored in accordance with MNDOT specifications 2531 and 2521.

UTILITY LINES

- 1) There shall be only a single pole line on the county right of way on either side of the center line thereof.
- 2) Exact locations of longitudinal installations on county highways shall be located as directed by the ACTD.

SECTION CORNER MONUMENTS

- 1) Utility locations shall not interfere with the location of any section, quarter, witness, or right of way monuments. For assistance in locations, contact the Anoka County Surveyor's Office.
- 2) The applicant shall be responsible for replacement of any existing property irons disturbed during construction.
- 3) The applicant shall notify the Anoka County Surveyor's Office three working days in advance of any anticipated disturbance of any section, quarter, witness, or right of way monuments.
- 4) Any monument disturbed during the course of construction, shall be reset by the Anoka County Surveyor's Office at the expense of the applicant.

ATTACHING TO BRIDGES/STRUCTURES

- 1) No utility is permitted to be hung from, or otherwise attached to, any bridge or structure without having detailed plans approved by the Anoka County Engineer. These plans are to show approaches to the structure, method of installation, type, and dimension of housing for the utility.

ADDITIONAL PROVISIONS

- 1) All subcontractors, installers, and crew shall possess a copy of all documents in relation to the approved permit prior to the commencement of work and be kept on site. This includes, but it not limited to the following:
  - a) Approved permit
  - b) Any/all traffic control plans and/or layouts
- 2) Shall notify Andrea Schmid at 763-324-3128 or andrea.schmid@co.anoka.mn.us
  - a) At least 36 hours prior to the commencement of work
  - b) When there is any change to traffic control set up (ex: stage 1 to stage 2)
  - c) When work is complete - including restorations
- 3) No work during inclement weather or when plows are out in any capacity
- 4) All traffic control shall be in accordance with the most current version of the MnDOT Temporary Traffic Control Field Manual

INITIAL 
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# Anoka County

## TRANSPORTATION DIVISION

Respectful, Innovative, Fiscally Responsible

Highway

Transit

Surveyor

GIS

Fleet

Joe MacPherson, P.E.  
Chief Officer, Transportation, County Engineer

Jerry Auge, P.E.  
Department Director, Assistant County Engineer

## EXCAVATOR AND OPERATOR NOTICE

This notice is for all excavators and operators applying for permits involving excavations your obligations to comply with Minnesota State Statues 216D that is attached to this notice.

This notice is a requirement of State Statute 216D.02; Notice to Excavators and Operators.

**Our Passion Is Your Safe Way Home**

1440 Bunker Lake Boulevard N.W. ▲ Andover, MN 55304-4005  
Office: 763-324-3100 ▲ Fax: 763-324-3020 ▲ [www.anokacounty.us/highway](http://www.anokacounty.us/highway)

**Affirmative Action / Equal Opportunity Employer**

**216D.03 NOTIFICATION CENTER.**

Subdivision 1. **Participation.** An operator shall participate in and share in the costs of one statewide notification center operated by a vendor selected under subdivision 2.

Subd. 2. **Establishment of notification center; rules.** (a) The notification center services must be provided by a nonprofit corporation approved in writing by the commissioner. The nonprofit corporation must be governed by a board of directors of up to 20 members, one of whom is the director of the Office of Pipeline Safety. The other board members must represent and be elected by operators, excavators, and other persons eligible to participate in the center. In deciding to approve a nonprofit corporation, the commissioner shall consider whether it meets the requirements of this paragraph and whether it demonstrates that it has the ability to contract for and implement the notification center service.

(b) The commissioner shall adopt rules:

(1) establishing a notification process and competitive bidding procedure for selecting a vendor to provide the notification service;

(2) governing the operating procedures and technology needed for a statewide notification center; and

(3) setting forth the method for assessing the cost of the service among operators.

(c) The commissioner shall select a vendor to provide the notification center service. The commissioner may advertise for bids as provided in section 16C.06, subdivisions 1 and 2, and base the selection of a vendor on best value as provided in section 16C.06, subdivision 6. The commissioner shall select and contract with the vendor to provide the notification center service, but all costs of the center must be paid by the operators. The commissioner may at any time appoint a task force to advise on the renewal of the contract or any other matter involving the center's operations.

(d) An operator may submit a bid and be selected to contract to provide the notification center service under paragraph (a) or (c). The commissioner shall annually review the services provided by the nonprofit corporation approved under paragraph (a) or the vendor selected under paragraph (c).

Subd. 3. **Cooperation with local government.** In establishing operating procedures and technology for the statewide notification center, the board of directors or the commissioner must work in cooperation with the League of Minnesota Cities, the Association of Minnesota Counties, and the Township Officers' Association. The purpose of this cooperation is to maximize the participation of local governmental units that issue permits for activities involving excavation to assure that excavators receive notice of and comply with the requirements of sections 216D.01 to 216D.07.

Subd. 4. **Notice to local government.** The notification center shall provide local governmental units with a master list, by county, of the operators in the county who are participants in the notification center, and the telephone number and mailing address of the notification center.

**History:** 1987 c 353 s 9; 1997 c 187 art 1 s 15; 1998 c 386 art 2 s 69

**216D.04 EXCAVATION; LAND SURVEY.**

Subdivision 1. **Notice required; contents.** (a) Except in an emergency, an excavator shall and a land surveyor may contact the notification center and provide notice at least 48 hours, excluding Saturdays, Sundays, and holidays and not more than 14 calendar days before beginning any excavation or boundary survey. An excavation or boundary survey begins, for purposes of this requirement, the first time excavation or a boundary survey occurs in an area that was not previously identified by the excavator or land surveyor in the notice.

(b) The notice may be oral or written, and must contain the following information:

- (1) the name of the individual providing the notice;
- (2) the precise location of the proposed area of excavation or survey;
- (3) the name, address, and telephone number of the individual or individual's company;
- (4) the field telephone number, if one is available;
- (5) the type and extent of the activity;
- (6) whether or not the discharge of explosives is anticipated;
- (7) the date and time when the excavation or survey is to commence; and
- (8) the estimated duration of the activity.

Subd. 1a. **Plans for excavation.** (a) Any person, prior to soliciting bids or entering into a contract for excavation, shall provide a proposed notice to the notification center to obtain from the affected operators of underground facilities the type, size, and general location of underground facilities. Affected operators shall provide the information within 15 working days. An operator who provides information to a person who is not a unit of government may indicate any portions of the information which are proprietary and may require the person to provide appropriate confidentiality protection. The information obtained from affected operators must be submitted on the final drawing used for the bid or contract and must depict the utility quality level of that information. This information must be updated not more than 90 days before completion of the final drawing used for the bid or contract.

(b) This subdivision does not apply to bids and contracts for:

- (1) routine maintenance of underground facilities or installation, maintenance, or repair of service lines;
- (2) excavation for operators of underground facilities performed on a unit of work or similar basis; or
- (3) excavation for home construction and projects by home owners.

(c) A person required by this section to show existing underground facilities on its drawings shall conduct one or more preliminary design meetings during the design phase to communicate the project design and coordinate utility relocation. Affected facility operators shall attend these meetings or make other arrangements to provide information.

(d) A person required by this section to show existing underground facilities on its drawings shall conduct one or more preconstruction meetings to communicate the project design and coordinate utility relocation. Affected facility operators and contractors shall attend these meetings or make other arrangements to provide information.

(e) This subdivision does not affect the obligation to provide a notice of excavation as required under subdivision 1.

**Subd. 2. Duties of notification center; regarding notice.** The notification center shall assign an inquiry identification number to each notice and retain a record of all notices received for at least six years. The center shall immediately transmit the information contained in a notice to every operator that has an underground facility in the area of the proposed excavation or boundary survey.

**Subd. 3. Locating underground facility; operator.** (a) Prior to the excavation start time on the notice, an operator shall locate and mark or otherwise provide the approximate horizontal location of the underground facilities of the operator and provide readily available information regarding the operator's abandoned and out-of-service underground facilities as shown on maps, drawings, diagrams, or other records used in the operator's normal course of business, without cost to the excavator. The excavator shall determine the precise location of the underground facility, without damage, before excavating within two feet of the marked location of the underground facility.

(b) Within 96 hours or the time specified in the notice, whichever is later, after receiving a notice for boundary survey from the notification center, excluding Saturdays, Sundays, and holidays, unless otherwise agreed to between the land surveyor and operator, an operator shall locate and mark or otherwise provide the approximate horizontal location of the underground facilities of the operator, without cost to the land surveyor.

(c) For the purpose of this section, the approximate horizontal location of the underground facilities is a strip of land two feet on either side of the underground facilities.

(d) Markers used to designate the approximate location of underground facilities must follow the current color code standard used by the American Public Works Association.

(e) If the operator cannot complete marking of the excavation or boundary survey area before the excavation or boundary survey start time stated in the notice, the operator shall promptly contact the excavator or land surveyor.

(f) After December 31, 1998, operators shall maintain maps, drawings, diagrams, or other records of any underground facility abandoned or out-of-service after December 31, 1998.

(g) An operator or other person providing information pursuant to this subdivision is not responsible to any person, for any costs, claims, or damages for information provided in good faith regarding abandoned, out-of-service, or private or customer-owned underground facilities.

**Subd. 4. Locating underground facility; excavator or land surveyor.** (a) The excavator or land surveyor shall determine the precise location of the underground facility, without damage, before excavating within two feet on either side of the marked location of the underground facility.

(b) If the excavator or land surveyor cancels the excavation or boundary survey, the excavator or land surveyor shall cancel the notice through the notification center.

(c) The notice is valid for 14 calendar days from the start time stated on the notice. If the activity will continue after the expiration time, then the person responsible for the activity shall serve an additional notice at least 48 hours, excluding Saturdays, Sundays, and holidays, before the expiration time of the original notice, unless the excavator makes arrangements with the operators affected to periodically verify or refresh the marks, in which case the notice is valid for six months from the start time stated on the notice.

(d) The excavator is responsible for reasonably protecting and preserving the marks until no longer required for proper and safe excavation near the underground facility. If the excavator has reason to believe the marks are obliterated, obscured, missing, or incorrect, the excavator shall notify the facility operator or notification center in order to have an operator verify or refresh the marks.

**History:** *1987 c 353 s 10; 1992 c 493 s 5; 1993 c 341 art 1 s 21; 1997 c 196 s 1; 1998 c 348 s 1-3; 2004 c 163 s 2-6*

**216D.05 PRECAUTIONS TO AVOID DAMAGE.**

An excavator shall:

- (1) plan the excavation to avoid damage to and minimize interference with underground facilities in and near the construction area;
- (2) use white markings for proposed excavations except where it can be shown that it is not practical;
- (3) maintain a clearance between an underground facility and the cutting edge or point of any mechanized equipment, considering the known limit of control of the cutting edge or point to avoid damage to the facility;
- (4) provide support for underground facilities in and near the construction area, including during backfill operations, to protect the facilities; and
- (5) conduct the excavation in a careful and prudent manner.

**History:** *1987 c 353 s 11; 1998 c 348 s 4; 2004 c 163 s 7*



**216D.06 DAMAGE TO FACILITY.**

Subdivision 1. **Notice; repair.** (a) If any damage occurs to an underground facility or its protective covering, the excavator shall notify the operator promptly. When the operator receives a damage notice, the operator shall promptly dispatch personnel to the damage area to investigate. If the damage results in the escape of any flammable, toxic, or corrosive gas or liquid or endangers life, health, or property, the excavator responsible shall immediately notify the operator and the 911 public safety answering point, as defined in section 403.02, subdivision 19, and take immediate action to protect the public and property. The excavator shall also attempt to minimize the hazard until arrival of the operator's personnel or until emergency responders have arrived and completed their assessment. The 911 public safety answering point shall maintain a response plan for notifications generated by this section.

(b) An excavator shall delay backfilling in the immediate area of the damaged underground facilities until the damage has been investigated by the operator, unless the operator authorizes otherwise. The repair of damage must be performed by the operator or by qualified personnel authorized by the operator.

(c) An excavator who knowingly damages an underground facility, and who does not notify the operator as soon as reasonably possible or who backfills in violation of paragraph (b), is guilty of a misdemeanor.

Subd. 2. **Cost reimbursement.** (a) If an excavator damages an underground facility, the excavator shall reimburse the operator for the cost of necessary repairs, and for a pipeline the cost of the product that was being carried in the pipeline and was lost as a direct result of the damage.

(b) Reimbursement is not required if the damage to the underground facility was caused by the sole negligence of the operator or the operator failed to comply with section 216D.04, subdivision 3.

Subd. 3. **Prima facie evidence of negligence.** It is prima facie evidence of the excavator's negligence in a civil court action if damage to the underground facilities of an operator resulted from excavation, and the excavator failed to give an excavation notice under section 216D.04 or provide support as required by section 216D.05.

**History:** 1987 c 353 s 12; 1999 c 43 s 1

**216D.07 EFFECT ON LOCAL ORDINANCES.**

(a) Sections 216D.01 to 216D.07 do not affect or impair local ordinances, charters, or other provisions of law requiring permits to be obtained before excavating.

(b) A person with a permit for excavation from the state or a public agency is subject to sections 216D.01 to 216D.07. The state or public agency that issued a permit for excavation is not liable for the actions of an excavator who fails to comply with sections 216D.01 to 216D.07.

**History:** *1987 c 353 s 13*

**CHAPTER 7560**  
**OFFICE OF PIPELINE SAFETY**  
**EXCAVATION NOTICE SYSTEM**

- 7560.0100 DEFINITIONS.
- 7560.0125 ABANDONED AND OUT-OF-SERVICE FACILITIES.
- 7560.0150 PUBLIC RIGHT-OF-WAY MAPPING AND INSTALLATION.
- 7560.0225 EXCAVATOR RESPONSIBILITIES REGARDING A LOCATE.
- 7560.0250 LOCATE STANDARDS.
- 7560.0300 OPERATOR PARTICIPATES AND SHARES COSTS.
- 7560.0325 EMERGENCY EXCAVATION NOTICES.
- 7560.0350 EXCAVATION NOTICE REQUESTING MEET.
- 7560.0375 LOCATING A SERVICE LATERAL.
- 7560.0400 CITATIONS.
- 7560.0500 RESPONSE OPTIONS.
- 7560.0600 DIRECTOR REVIEW.
- 7560.0700 CONSENT ORDER.
- 7560.0800 CIVIL PENALTIES.

**7560.0100 DEFINITIONS.**

Subpart 1. **Scope.** The terms used in this chapter have the meanings given them. Terms not defined in this part have the meanings given them in Minnesota Statutes, section 216D.01.

Subp. 1a. **Abandoned facility.** "Abandoned facility" means an underground facility that is no longer in service and is physically disconnected from a portion of the operating facility that is in use or still carries service. An abandoned facility has been deemed abandoned by the operator.

Subp. 2. **Director.** "Director" means the director of the Office of Pipeline Safety of the Minnesota Department of Public Safety.

Subp. 3. **Good cause to believe.** "Good cause to believe" means grounds put forth in good faith that are not arbitrary, irrational, unreasonable, or irrelevant and that are based on at least one of the following sources:

- A. information from a person;
- B. facts supplied by the notification center defined in Minnesota Statutes, section 216D.01, subdivision 8;
- C. facts of which the director or an agent of the director has personal knowledge; and
- D. information provided by excavators or operators.

Subp. 4. **Locate.** "Locate" means an operator's markings of an underground facility.

Subp. 5. [Renumbered as subp 8]

Subp. 5a. [Renumbered as subp 9]

Subp. 6. [Renumbered as subp 11]

**7560.0125 EXCAVATION NOTICE SYSTEM**

2

Subp. 7. **Meet.** When used as a noun in this chapter, "meet" refers to a meeting at the site of proposed excavation requested at the time of notice by the excavator with all affected underground facility operators to further clarify the precise geographic location of excavation, schedule locating, propose future contacts, and share other information concerning the excavation and facilities.

Subp. 8. **Office.** "Office" means the Office of Pipeline Safety of the Minnesota Department of Public Safety.

Subp. 9. **Out-of-service facility.** "Out-of-service facility" means an underground facility that is no longer maintained and is not intended for future use, but has not been deemed abandoned. An out-of-service facility may still be connected to a portion of the operating facility that is in use or still carries service.

Subp. 10. **Public right-of-way.** "Public right-of-way" means the area on, below, or above a public roadway, highway, street, cartway, bicycle lane, and sidewalk in which a government unit has an interest, including other rights-of-way dedicated for travel purposes and utility easements of government units.

Subp. 11. **Remuneration.** "Remuneration" means direct or indirect compensation or consideration paid to the person or the person's agent, employer, employee, subcontractor, or contractor. A person who excavates as part of the person's duties as an employee, employer, agent, subcontractor, or contractor is considered to be acting for remuneration.

Subp. 12. **Service lateral.** "Service lateral" means an underground facility that is used to transmit, distribute, or furnish gas, electricity, communications, or water from a common source to an end-use customer. A service lateral is also an underground facility that is used in the removal of wastewater from a customer's premises.

**Statutory Authority:** *MS s 14.06; 216D.08; 299F.56; 299F.60; 299F.641; 299J.04*

**History:** *16 SR 135; 24 SR 448; 29 SR 1503*

**Published Electronically:** *July 20, 2005*

**7560.0125 ABANDONED AND OUT-OF-SERVICE FACILITIES.**

Subpart 1. **Duty of operators to provide readily available information.** Operators shall provide readily available information, as shown on maps, drawings, diagrams, or other records used in the normal course of business, on the approximate location of abandoned and out-of-service facilities to an excavator by the excavation date and time noted on the excavation or location notice unless otherwise agreed between the excavator and the operator. An operator fulfills an obligation to provide information on these facilities by doing one or more of the following:

- A. locating and marking the approximate location of the facility according to the current color code standard used by the American Public Works Association, as required in Minnesota Statutes, section 216D.04, subdivision 3, with an abandoned or out-of-service facility identified by an uppercase A surrounded by a circle;
- B. providing informational flags at the area of proposed excavation;
- C. communicating information verbally; or
- D. providing copies of maps, diagrams, or records.

Subp. 2. **Duty to notify operator.** An excavator shall notify the operator:

A. before moving, removing, or otherwise altering a facility that is thought to be abandoned or out of service; or

B. if damage to the facility occurs, pursuant to Minnesota Statutes, section 216D.01, subdivision 2.

Subp. 3. **Verification of abandoned or out-of-service facility.** Upon receipt of notification by an excavator pursuant to subpart 2, an operator shall verify that an underground facility is abandoned or out of service, by either reference to installation records, testing, or other comparable standard of verification, before an excavator is allowed to move, remove, or otherwise alter an underground facility.

Subp. 4. **Liability.** An operator providing information pursuant to Minnesota Statutes, section 216D.04, subdivision 3, is not responsible to any person for any costs, claims, or damages for information provided in good faith regarding abandoned and out-of-service underground facilities.

**Statutory Authority:** *MS s 14.06; 216D.08; 299J.04; 299F.60*

**History:** *24 SR 448*

**Published Electronically:** *July 20, 2005*

#### **7560.0150 PUBLIC RIGHT-OF-WAY MAPPING AND INSTALLATION.**

Subpart 1. **Duty of operator to map.** After December 31, 2005, an operator shall maintain a map, a diagram, a drawing, or geospatial information regarding the location of its underground facility within a public right-of-way installed after that date.

Subp. 2. **Duty to install locating wire.** After December 31, 2005, an operator shall install a locating wire or have an equally effective means of marking the location of each nonconductive underground facility within a public right-of-way installed after that date. This requirement does not apply when making minor repairs to an existing nonconductive facility. As applied to this chapter, "minor repairs" means repairs to or partial replacement of portions of existing service laterals located within a public right-of-way for purposes of routine maintenance and upkeep.

**Statutory Authority:** *MS s 299J.04*

**History:** *29 SR 1503*

**Published Electronically:** *July 20, 2005*

**7560.0200** [Repealed, 24 SR 448]

**Published Electronically:** *July 20, 2005*

#### **7560.0225 EXCAVATOR RESPONSIBILITIES REGARDING A LOCATE.**

Subpart 1. [Repealed, 29 SR 1503]

Subp. 2. **Responsibility to protect and preserve.** The excavator is responsible for reasonably protecting and preserving a locate until no longer required for proper and safe excavation near the underground facility. If the excavator has reason to believe a locate is obliterated, obscured, missing, or incorrect, the excavator shall notify the facility operator or notification center in order to have an operator verify, refresh, or re-mark the locate.

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Subp. 3. **Use of locate.** A locate is valid for 14 days from the excavation commencement time stated on the excavation or location notice, unless the excavator has made previous arrangements with the operators affected to periodically verify, refresh, or re-mark the locate.

**Statutory Authority:** *MS s 14.06; 216D.08; 299J.04; 299F.60*

**History:** *24 SR 448; 29 SR 1503*

**Published Electronically:** *July 20, 2005*

**7560.0250 LOCATE STANDARDS.**

Subpart 1. **Facility locate.** Unless otherwise agreed to between the excavator and operator, an operator shall locate an underground facility using stakes, flags, paint, or other suitable materials in varying combinations dependent upon the surface. The locate must be in sufficient detail to clearly identify the approximate route of the underground facility. The locate must also include:

- A. name, abbreviation, or logo of the operator when more than one operator listed on the notice uses the same color markings;
- B. width of the underground facility if it is greater than eight inches; and
- C. number of underground facilities if greater than one.

Subp. 2. **Operator duties in no conflict situation.** After December 31, 2005, an operator who receives notice and determines that an underground facility is not in conflict with the proposed excavation shall complete one or more of the following:

- A. mark the area "NO" followed by the operator's name, abbreviation, or logo in the color code of the underground facility not in conflict;
- B. place a clear plastic flag at the area that:
  - (1) states "N/C" or "NO CONFLICT" in lettering matching the color code of the underground facility that is not in conflict; and
  - (2) includes the operator's name, abbreviation, or logo, the date, a contact telephone number, and the ticket number; or
- C. contact the notification center through procedures required by the notification center and indicate that there are no underground facilities in conflict with the proposed excavation and that no markings or flags were left at the proposed excavation site.

Subp. 3. **Placement of flags or markings.** If using N/C (no conflict) flags or markings pursuant to subpart 2, an operator shall place the flags or markings in a location that can be readily observed by an excavator. When an area of proposed excavation is delineated by the use of white markings, an operator shall place the N/C flags or markings within, or as near as practicable to, the delineated area.

Subp. 4. **Duties of notification center.** After December 31, 2005, the notification center shall make the information received under subpart 2 available to the excavator before the start date and time on the notice. The notification center may fulfill this requirement by making the information accessible through one or more Internet addresses, by transmitting the information to a continuously working facsimile machine maintained by the excavator, or by other methodology developed by the notification center. The notification center shall make available the information received by operators pursuant to this section through



an electronic means. The notification center is not required by this subpart to contact an excavator verbally via telephone.

**Statutory Authority:** *MS s 299J.04*

**History:** *29 SR 1503*

**Published Electronically:** *July 20, 2005*

#### **7560.0300 OPERATOR PARTICIPATES AND SHARES COSTS.**

An operator shall participate in and share the costs of the one call excavation notice system by:

- A. submitting the information required by the notification center to allow the center to notify the operator of excavation activity;
- B. updating the information provided to the notification center on a timely basis;
- C. installing and paying for equipment reasonably requested by the notification center to facilitate receipt of notice of excavation from the center;
- D. paying the costs charged by the notification center on a timely basis; and
- E. receiving and responding to excavation notices, including emergency notices, as required by Minnesota Statutes, chapter 216D.

**Statutory Authority:** *MS s 14.06; 216D.08; 299F.56; 299F.641*

**History:** *16 SR 135*

**Published Electronically:** *July 20, 2005*

#### **7560.0325 EMERGENCY EXCAVATION NOTICES.**

Subpart 1. **Duty of excavator to provide notice.** An excavator shall provide notice to the notification center before commencing an emergency excavation, unless subpart 2 applies. All emergency notices, regardless whether made prior to excavation, must be verbal or in a manner accepted by the notification center. In addition to the information required by the notification center, the notice must also contain:

- A. a description of the situation requiring the emergency excavation;
- B. the precise location of the proposed area of the emergency excavation;
- C. at least one continuously staffed telephone number where the excavator can be contacted by the operator throughout the emergency; and
- D. the excavation start date and time if the need for excavation is not immediate.

Subp. 2. **Excavating before notice.** If an emergency is such that providing notice or waiting for an operator would result in an undue risk to life, health, or significant loss of property, the excavator may excavate without providing prior notice or waiting for an operator to mark an underground facility. In this situation, the excavator shall provide notice as soon as practicable and take all reasonable precautions to avoid or minimize damage. Excavation prior to notice under this subpart does not relieve an excavator from any responsibility for damage to an underground facility pursuant to Minnesota Statutes, section 216D.06.

Subp. 3. **Emergency notice requesting immediate response.** Upon receiving an emergency excavation notice requesting an immediate response, an operator shall:

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A. attempt to contact the excavator within one hour at the telephone number provided in subpart 1, item C, to provide any information concerning facilities at or near the area of excavation including an anticipated response time; and

B. locate and mark the underground facility within three hours of notice unless:

- (1) otherwise agreed between the parties;
- (2) the operator notifies the excavator that not locating does not present an immediate danger to life or health, or a significant loss of property; or
- (3) there is an event or situation that cannot be reasonably anticipated or controlled by the operator.

Subp. 4. **Emergency notice requesting scheduled response.** Upon receiving an emergency excavation notice that does not require an immediate response, and before the scheduled excavation start date and time, an operator shall:

A. locate and mark the underground facility, unless otherwise agreed between the parties; or

B. notify the excavator at the telephone number provided in subpart 1, item C, that there is not an underground facility within the area of proposed excavation.

For purposes of this subpart, a requested start time of three hours or less from the time notice is provided to the center is considered an emergency notice requesting immediate response under subpart 3.

**Statutory Authority:** *MS s 299J.04*

**History:** *29 SR 1503*

**Published Electronically:** *July 20, 2005*

**7560.0350 EXCAVATION NOTICE REQUESTING MEET.**

Subpart 1. **Excavator duties.** When requesting a meet through the notification center, an excavator must provide at least one contact name and telephone number to assist in facilitating the meet. An excavator shall contact the notification center to cancel or reschedule the meet and the notification center shall relay this information to the affected operators. When a meet is requested, an excavator's notice must include the entire geographic area of the proposed excavation and the specific location of the meet. This part does not relieve an excavator from the duty to provide a precise geographic location of the proposed area of excavation, or to use white markings except where it can be shown that to do so is not practical.

Subp. 2. **Operator duties.** When a meet is requested, an affected operator shall make a reasonable effort to attend the meet at the proposed date and time, or contact the excavator before the meet and reschedule for a mutually agreed date and time.

Subp. 3. **Excavation start date and time.** When a meet is requested, the meet date and time must be at least 48 hours after notice is provided, excluding Saturdays, Sundays, and holidays, and the excavation start date and time must be at least 24 hours after the proposed meet date and time specified on the notice, excluding Saturdays, Sundays, and holidays. This subpart does not apply if these matters are provided for in a written agreement with all affected operators.

Subp. 4. **Meet request documentation.** An excavator shall maintain written documentation of each meet with an underground facility operator or representative. This documentation must be kept for the duration of the excavation conducted under the notice. The documentation must include:

- A. the date and time of each meet;
- B. the names, company affiliations, and contact information of the attendees of each meet;
- C. a diagram, sketch, or description of the precise excavation locations, dates, and times; and
- D. the agreed schedule of any future meets or communications.

**Statutory Authority:** *MS s 299J.04*

**History:** *29 SR 1503*

**Published Electronically:** *July 20, 2005*

#### **7560.0375 LOCATING A SERVICE LATERAL.**

Subpart 1. **Operator duties.** Unless otherwise agreed, an underground facility operator shall locate a service lateral before the start date and time on the notice and in accordance with items A through C:

A. An operator of a natural gas, propane, or electric facility shall locate a service lateral up to the meter or the connection to a customer's underground facility, whichever is closer to the end-use customer. If the meter or connection to the customer's underground facility is within a public right-of-way, at a minimum the operator shall locate that portion of the service lateral within the public right-of-way up to the point where the service lateral first leaves the public right-of-way.

B. An operator of a communication facility shall locate a service lateral up to the entry of the first building. If the service lateral does not enter a building, the operator shall locate up to the utilization equipment, fence, or wall that surrounds the equipment.

C. After December 31, 2005, an operator of a sewage or water facility, at a minimum, shall locate that portion of the service lateral within a public right-of-way installed after that date up to the point where the service lateral first leaves the public right-of-way. The operator shall either locate or provide information as shown on maps, drawings, diagrams, or other records, on the location of a sewer or water service lateral installed before January 1, 2006. If no information is available on a sewer or water service lateral installed before January 1, 2006, then notifying the excavator that no information exists fulfills the requirements of this section.

Subp. 2. **Exception.** An operator is not required to locate a service lateral of a customer who currently participates in the statewide notification system, provided the customer and operator mutually agree that the customer will assume locate responsibilities. The agreement must be in writing.

**Statutory Authority:** *MS s 299J.04*

**History:** *29 SR 1503*

**Published Electronically:** *July 20, 2005*

#### **7560.0400 CITATIONS.**

Subpart 1. **Notice of violation.** The office shall issue a notice of probable violation when the office has good cause to believe a violation of Minnesota Statutes, sections 216D.01 to 216D.09 or this chapter has occurred.

Subp. 2. **Contents of notice of violation.** A notice of violation must include:

**7560.0500 EXCAVATION NOTICE SYSTEM**

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- A. a statement of the statute or rule allegedly violated by the person and a description of the evidence on which the allegation is based;
- B. notice of response options available to the person cited;
- C. notice that the person has 30 days in which to respond;
- D. notice that failure to respond within 30 days precludes administrative review under this chapter; and
- E. if a civil penalty is proposed, the amount of the proposed civil penalty and the maximum civil penalty applicable under law.

Subp. 3. **Receipt of notice.** The notice of violation is deemed received three days after mailing to the person's last known address.

**Statutory Authority:** *MS s 14.06; 216D.08; 299F.56; 299F.60; 299F.641; 299J.04*

**History:** *16 SR 135; 24 SR 448*

**Published Electronically:** *July 20, 2005*

**7560.0500 RESPONSE OPTIONS.**

The person shall respond to the notice of violation in the following way:

- A. When the notice contains a proposed compliance order, the person shall:
  - (1) agree to the proposed compliance order;
  - (2) request the execution of a consent order;
  - (3) object to the proposed compliance order and submit written explanations, information, or other materials in answer to the allegations in the notice; or
  - (4) request the office to initiate a hearing under Minnesota Statutes, sections 14.50 to 14.69.
- B. When the notice contains a proposed civil penalty, the person shall:
  - (1) pay the penalty and close the case;
  - (2) submit an offer in compromise of the proposed civil penalty;
  - (3) submit a written explanation, information, or other material in answer to the allegations or in mitigation of the proposed civil penalty; or
  - (4) request the office to initiate a hearing under Minnesota Statutes, sections 14.50 to 14.69.
- C. Failure to respond in writing within 30 days precludes administrative review under this chapter. A final order will be issued and penalties will be forwarded for collection.

**Statutory Authority:** *MS s 14.06; 216D.08; 299F.56; 299F.60; 299F.641; 299J.04*

**History:** *16 SR 135; 24 SR 448*

**Published Electronically:** *July 20, 2005*

**7560.0600 DIRECTOR REVIEW.**

If the person objects to the proposed civil penalty or compliance order and submits written explanations, information, or other materials in response to a notice of violation, within the time specified in part 7560.0500, the director shall review the submissions and determine whether to negotiate further, to change or withdraw the notice of violation, or to initiate a hearing under Minnesota Statutes, sections 14.50 to 14.69.

**Statutory Authority:** *MS s 14.06; 216D.08; 299F.56; 299F.60; 299F.641; 299J.04*

**History:** *16 SR 135; 24 SR 448*

**Published Electronically:** *July 20, 2005*

**7560.0700 CONSENT ORDER.**

An executed consent order must contain:

- A. an admission by the person of the jurisdictional facts;
- B. a waiver of further procedural steps and the right to seek judicial or administrative review or otherwise challenge or contest the validity of the consent order; and
- C. an agreement that the notice of violation may be used to construe the terms of the consent order.

**Statutory Authority:** *MS s 14.06; 216D.08; 299F.56; 299F.641*

**History:** *16 SR 135*

**Published Electronically:** *July 20, 2005*

**7560.0800 CIVIL PENALTIES.**

Subpart 1. **Proceedings against excavators.** When the office has good cause to believe that an excavator is engaging or has engaged in conduct that violates Minnesota Statutes, section 216D.04, subdivision 1, 2, or 3; 216D.05, clause (1), (2), (3), or (4); or 216D.06, subdivision 1, or a rule adopted under Minnesota Statutes, section 216D.08, subdivision 4, the office, if appropriate, shall negotiate a civil penalty under Minnesota Statutes, section 216D.08, subdivision 2. A penalty imposed under Minnesota Statutes, section 216D.08, is subject to the contested case and judicial review provisions of Minnesota Statutes, chapter 14. An operator who engages or has engaged in excavation that violates Minnesota Statutes, chapter 216D, is subject to the proceedings specified in subpart 2 and is subject to the penalties specified in subpart 4, item B or C.

Subp. 2. **Proceedings against underground facility operators.** The office may negotiate a civil penalty under item A or B.

A. When the office has good cause to believe that an underground facility operator, other than an operator set forth in item B, is engaging or has engaged in conduct that violates Minnesota Statutes, sections 216D.01 to 216D.07, or a rule adopted under Minnesota Statutes, section 216D.08, subdivision 4, the office, if appropriate, shall negotiate a civil penalty under Minnesota Statutes, section 216D.08, subdivision 2. A penalty imposed under Minnesota Statutes, section 216D.08, is subject to the contested case and judicial review provisions of Minnesota Statutes, chapter 14.

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B. When the office has good cause to believe that an operator who engages in the transportation of gas or hazardous liquids or who owns or operates a gas or hazardous liquid pipeline facility is engaging or has engaged in conduct that violates Minnesota Statutes, sections 299F.56 to 299F.641, or a rule adopted under Minnesota Statutes, section 299F.60, subdivision 5, the office, if appropriate, shall negotiate a civil penalty under Minnesota Statutes, section 299F.60, subdivision 2. A penalty imposed under Minnesota Statutes, section 299F.60, is subject to the contested case and judicial review provisions of Minnesota Statutes, chapter 14.

Subp. 3. **Assessment considerations.** In assessing a civil penalty under this part, the office shall consider the following factors:

- A. the nature, circumstances, and gravity of the violation;
- B. the degree of the person's culpability;
- C. the person's history of previous offenses;
- D. the person's ability to pay;
- E. good faith on the part of the person in attempting to remedy the cause of the violation;
- F. the effect of the penalty on the person's ability to continue in business; and
- G. past reports of damage to an underground facility by a person.

Subp. 4. **Maximum penalties.** For the purposes of this part, penalties imposed under this part must not exceed the limits in items A to C.

A. Penalties imposed against excavators must not exceed \$1,000 for each violation per day of violation.

B. Penalties imposed against underground facility operators, other than an operator set forth in item C, must not exceed \$1,000 for each violation per day of violation.

C. Penalties imposed against an operator who engages in the transportation of gas or hazardous liquids or who owns or operates a gas or hazardous liquid pipeline facility must not exceed \$10,000 for each violation for each day that the violation persists, except that the maximum civil penalty must not exceed \$500,000 for a related series of violations.

Subp. 5. **Payment procedure.** The person shall pay a civil penalty that has been proposed, assessed, or compromised by submitting to the office a check or money order in the correct amount, payable to the commissioner of public safety.

**Statutory Authority:** *MS s 14.06; 216D.08; 299F.56; 299F.60; 299F.641; 299J.04*

**History:** *16 SR 135; 24 SR 448*

**Published Electronically:** *July 20, 2005*





**Anoka County**  
TRANSPORTATION DIVISION

Highway

Joseph J. MacPherson, PE  
County Engineer

October 27, 2022

Devonte Johnson  
Becklin & Whitney Consulting Engineers, Inc.  
139 1<sup>st</sup> Ave E, P.O. Box 471  
Cambridge, MN 55008

**RE: New East Bethel Temple  
Anoka County Approval**

Dear Mr. Johnson,

Anoka County has reviewed the New East Bethel Temple plan and has no further comments. Your contractor can contact our permits section at 763-324-3176 to obtain the right of way permit.

Sincerely,-



Brandon T. Ulvenes  
Design Engineer

cc: File (East Bethel)  
Joe MacPherson, ACHD  
Jerry Auge, ACHD  
Sue Burgmeier, ACHD  
I:\Eng\Plan Reviews\East Bethel\2022\Wat Lao Temple\ACHD Approval  
(10-26-22).docx

**Our Passion Is Your Safe Way Home**

1440 Bunker Lake Boulevard N.W. ▲ Andover, MN 55304-4005  
Office: 763-324-3100 ▲ Fax: 763-324-3020 ▲ [www.anokacounty.us/highway](http://www.anokacounty.us/highway)

**Affirmative Action / Equal Opportunity Employer**



## ANOKA COUNTY TRANSPORTATION DIVISION

1440 BUNKER LAKE BLVD NW, ANDOVER, MN 55304

763-324-3176

highwaypermits@co.anoka.mn.us

### **RIGHT OF WAY USER REGISTRATION INSTRUCTIONS**

To become registered as an Anoka County Right of Way User, complete the Right of Way User Registration Form and provide the Anoka County Highway Department an insurance certificate.

#### Certificate Holder

- Anoka County Highway Department, 1440 Bunker Lake Blvd. NW, Andover, MN 55304

#### Minimum Insurance Coverage Amounts

- Liability \$2,000,000
- Worker's Compensation \$1,000,000

#### Each applicant shall provide a \$10,000 security in one of the following forms:

- License and Permit Bond (most commonly used)
- Individual Project Bond
- Cashier's check
- Security of a form listed under Minnesota Stat. Sec. 15.73, Subd. 3
- Letter of credit in a form acceptable to Anoka County
- Self Insurance in a form acceptable to Anoka County
- Blanket Bond for projects within Anoka County
- Construction Bond for a specified time and in a form acceptable to Anoka County



**ANOKA COUNTY TRANSPORTATION DIVISION**

1440 BUNKER LAKE BLVD NW, ANDOVER, MN 55304

763-324-3176

highwaypermits@co.anoka.mn.us

**RIGHT OF WAY USER REGISTRATION FORM**

This form must be filled out prior to permit approval

**AGENCY NAME**

**ADDRESS**

**CITY/STATE/ZIP**

**PHONE**

Contact Information

**NAME**

**PHONE**

**EMAIL**

**INSURANCE CARRIER**

**POLICY NUMBER**

(Please attach Certificate of Insurance)

**Do you carry a Public Utilities Commission Certificate?** No

If yes, please attach a copy

The applicant hereby certifies that the above information is correct and agrees to notify Anoka County within fifteen days of any changes. The applicant certifies that Anoka County, its elected and appointed officials, officers, employees, and agents are named as additionally insured parties in all applicable insurance policies. The applicant agrees to comply with the Anoka County Right of Way Ordinance and with all applicable federal, state, county, and municipal laws, statutes, and ordinances that may apply.

**NAME**

**TITLE**

**SIGNATURE**

**DATE**

**ANOKA COUNTY HIGHWAY DEPARTMENT**  
**Design Requirements Checklist for County Highway Modifications**  
 (To be submitted with plans and specifications)

Development/Project Name: New East Bethel Temple

County Highway No.(s): 74

Submittal Date: 7/22/2022

The design shall meet State Aid Standards and the following:

Revised: June 2021

Design Detail	Desired Standard	Minimum Standard	Standard Achieved (Yes* or No** or NA)	Notes * - if Yes, circle, highlight or note standard ** - if No provide value used with justification (additional documentation if necessary)
<b>ALL HIGHLIGHTED ITEMS MUST BE SHOWN IN PLANS AND/OR SPECIFICATIONS</b>				
<b>GENERAL</b>				
DESIGN YEAR	20-yr traffic	Existing Traffic	Yes*	2017 AADT: 422, 800ADT used
DESIGN VEHICLE	WB-62	WB-50	Yes*	
DESIGN SPEED		Posted	Yes*	55pmh
<b>VERTICAL ALIGNMENT</b>				
HIGHWAY GRADE		0.5% Min	Yes*	grade varies from -1% to 1%
STREET APPROACH GRADE	0.5% - 25' Landing	2% - 20' Landing	Yes*	0.5% for 25' landing
<b>ENTRANCE GRADES:</b>				
Residential	<10%	15% Max	N/A	
Commercial	<6%	8% Max	Yes*	
BIKE PATH GRADE	Mn/DOT Bikeway Facility Design Manual		No**	No significant bike traffic in area
<b>INTERSECTION ELEMENTS</b>				
STREET/ENTRANCE APPROACH RADIUS	Design Vehicle	30' - Turning Movements for Design Vehicle	Yes*	
STREET/ENTRANCE APPROACH		Label width of approach/entrance	Yes*	See C8.1
INTERSECTION DETAIL		1"=20' Scale of intersection with pavement elevations shown	Yes*	See C8.1
TRAFFIC SIGNAL	Contact ACHD Traffic Department If Applicable		No**	No signals used
CROSSWALK	If signal		No**	no signal
STOP BAR	If signal		No**	no signal
ADA RAMP	All sidewalk/trail crossings		N/A	
SIGHT DISTANCE	MnDOT Road Design Manual Chapter 5		Yes*	285' per 5-2.02.02.01
<b>CROSS SECTION ELEMENTS</b>				
TYPICAL SECTION	Show widths, slopes, depths, materials, curb etc.		Yes*	
CROSS SECTIONS - 1"= 20' SCALE	50' Intervals, show ditches.	100' Intervals, show ditches.	Yes*	See C8.1
<b>SECTION DEPTH AND MATERIALS:</b>				
Thru Lane	Using R value and 20-yr ESALS	2" Wear (SPWEB340C), 2" Non-Wear (SPWEB340C), 2" Non-Wear (2.0" SPNW330C), 6" CI 5	N/A	Existing
Left Turn / Bypass Lane	Using Through Lane R value and 20-yr ESALS	2" Wear (SPWEB340C), 2" Non-Wear (SPWEB340C), 2" Non-Wear (2.0" SPNW330C), 6" CI 5	N/A	
Right Turn (See attached details)	Using Through Lane R value and 20-yr ESALS	Proj. ADT ≤ 5000: 2" Wear (SPWEB340C), 2" Non-Wear (SPWEB340C), 6" CI 5	Yes*	

## The design shall meet State Aid Standards and the following:

Revised: June 2021

Design Detail	Desired Standard	Minimum Standard	Standard Achieved (Yes* or No** or NA)	Notes * - if Yes, circle, highlight or note standard ** - if No provide value used with justification (additional documentation if necessary)
Right Turn Lane (See attached details)	Using Through Lane R value and 20-yr ESALs	Proj. ADT 5000 TO 10,000: 1.5" Wear (SPWEB340C), 1.5" Wear (SPWEB340C), 2" Non-Wear (2.0" SPNW330C), 6" CI 5	N/A	
Right Turn/ Lane (See attached details)	Using Through Lane R value and 20-yr ESALs	Proj. ADT ≥ 10,000: 2" Wear (SPWEB340C), 2" Wear (SPWEB340C), 2" Non-Wear (2.0" SPNW330C), 6" CI 5	N/A	
<b>LANE WIDTH:</b>				
Through Lane		12'	Yes*	13' existing
Left Turn Lane	13'	12'	N/A	
Right Turn Lane	13'	12'	Yes*	See plans
<b>SHOULDER WIDTH:</b>				
Urban	8'	2' (B-minor and below)	N/A	
Rural (ADT>1500)	8'	6' (collector and below)	N/A	
Rural (ADT<1500)	6'	2' or existing if greater	Yes*	
CURB REACTION DISTANCE		1' (median) 2' (outside)	N/A	No curb on CR 74
<b>CROSS SLOPES:</b>				
Through Lane		2%	N/A	
Left Turn Lane		2%	N/A	
Right Turn Lane	2.5%	2%	Yes*	
Shoulder		Match adjacent lane	Yes*	
TURN LANE LENGTH (SEE ATTACHED DETAILS)	Based on Peak hour traffic	300'	Yes*	
TURN LANE TAPER (SEE ATTACHED DETAILS)	1:15	1:10 (only if 1:15 not possible)	Yes*	
<b>TYPE OF CURB AND GUTTER:</b>				
With Design Speed ≥ 45mph	B424	B418 (or match existing)	Yes*	No curb on CR 74
With Design Speed < 45mph	B624	B618 (or match existing)	N/A	
MEDIAN WIDTH		4' (at turn lanes)	N/A	No Median
MEDIAN SURFACE MATERIAL	Concrete		Yes*	
<b>INSLOPE:</b>				
Urban		1:4 inside clear zone 1:3 outside clear zone	N/A	
Rural		1:4 inside clear zone 1:3 outside clear zone	Yes*	
BACKSLOPE	1:4	1:3	Yes*	
DITCH BOTTOM WIDTH	8'	5'	Yes*	
<b>CLEAR ZONES:</b>				
Urban		10'	N/A	
Rural		30'	Yes*	
Bike Path		2'	N/A	No bike path used
BIKE PATH WIDTH		8'	No**	No bike path used

## The design shall meet State Aid Standards and the following:

Revised: June 2021

Design Detail	Desired Standard	Minimum Standard	Standard Achieved (Yes* or No** or NA)	Notes * - if Yes, circle, highlight or note standard ** - if No provide value used with justification (additional documentation if necessary)
BIKE PATH SURFACE	Bituminous		N/A	
RURAL: DISTANCE BETWEEN PATH AND THROUGH LANE	22'	10' (Design Speed < 40 mph)	N/A	
URBAN: DISTANCE BETWEEN PATH AND GUTTER	10'	6.5' (2.5' paved at turn lane)	N/A	
DISTANCE BETWEEN PATH AND RIGHT OF WAY	4'	2' (if no power poles)	N/A	
<b>RIGHT OF WAY WIDTH:</b>				
Principal Arterial	150'			
Minor Arterial (urban)	120'			
Minor Arterial (2-lane rural)	120'		N/A	
Minor Arterial (4-lane rural)	150'	140' (no trail)		
Collector	120'			
<b>DRAINAGE</b>				
GENERAL	Conform to NPDES Phase II Requirements		N/A	Site is Phase 1, See SWPPP on C7
HYDROLOGY	Rural areas and mixed urban and rural areas use SCS CN method	Urban areas with less than 25 acres use Rational method	Yes*	See Calcs
DESIGN STORM (FOR DISCHARGE INTO COUNTY R/W):				
Cities/Townships < 5000	5-year critical event			
Cities/Townships > 5000	10-year critical event		Yes*	100 year critical event used.
DISCHARGE RATE (INTO COUNTY R/W)	Post-development < Pre-development		Yes*	No discharge into R/W
<b>STORM SEWER</b>				
DESIGN FREQUENCY	10-year, 50-year at sags		N/A	Rain gardens used for runoff
<b>PIPE SIZE:</b>				
Laterals	15"	12"	N/A	
Main	By Hydraulic Design	15"	N/A	
TYPE OF PIPE	RCP Design 3006		N/A	
MAXIMUM SPREAD	MnDOT State Aid Manual		N/A	
PIPE COVER		2'	Yes*	2'-3" cover at entrance
PIPE VELOCITY		3 ft./sec.	N/A	
STRUCTURE TYPE	Precast Concrete		N/A	
<b>CASTING ASSEMBLIES:</b>				
Catch Basins	MnDOT 816, 806, 825		N/A	
Manholes	MnDOT 715,700-4		N/A	
Drop Inlets	MnDOT 720 (Standard Plate 4140D)		N/A	
<b>CULVERTS</b>				
<b>DESIGN FREQUENCIES:</b>				
Street Approach/Driveway	10-year		Yes*	100 year rain event used
Centerline	50-year		N/A	



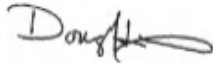
## The design shall meet State Aid Standards and the following:

Revised: June 2021

Design Detail	Desired Standard	Minimum Standard	Standard Achieved (Yes* or No** or NA)	Notes * - if Yes, circle, highlight or note standard ** - if No provide value used with justification (additional documentation if necessary)
<b>PIPE SIZE:</b>				
Driveway	By Hydraulic Design	15" (18" if L ≥ 60')	Yes*	51' per plans
Street Approach	By Hydraulic Design	18" (24" if L ≥ 60')		
Centerline	By Hydraulic Design	24"		
<b>CULVERT TYPE:</b>				
Residential Driveway	CSP		N/A	
Commercial Driveway	RCP Design 3006		Yes*	
Street Approach	RCP Design 3006		N/A	
Centerline	RCP Design 3006		N/A	
PIPE COVER		2'	Yes*	
PIPE BEDDING		Per Mn/DOT Guidelines		
ALLOWABLE HEADWATER		1' from shoulder PI	N/A	
<b>SAFETY APRONS:</b>				
Perpendicular Pipe	If ≥ 30" pipe end inside clear zone			
Parallel Pipe	If pipe end inside clear zone			
<b>SAFETY GRATES:</b>				
Perpendicular Pipe	If ≥ 30" pipe inside clear zone		N/A	
Parallel Pipe	If ≥ 24" pipe end inside clear zone		N/A	
TRASH GUARD		If outlet, then all inlets	N/A	
CONCRETE PIPE TIES	All Culvert Joints	Last 3 joints to outlet	Yes*	
<b>PONDS</b>				
<b>NO PONDING ALLOWED IN ANOKA COUNTY RIGHT OF WAY</b>				
GRADING PLAN	1' contour interval		Yes*	
TYPICAL SLOPES/BENCHES	1:10 at NWL for 10'; 1:4 above and below NWL	1:6 above and below NWL	No**	Ponds sized per calcs, see calcs and plans
PERMANENT POOL VOLUME	Per watershed district requirement	Equal to runoff from 2.5" rainfall	Yes*	
100-YEAR WATER LEVEL	1' below shoulder PI		Yes*	
OUTLET STRUCTURE DESIGN	Control the proposed 1- or 2-year and 100-year runoff rates to pre-project rates.		Yes*	
EMERGENCY SPILLWAY	Provide for events larger than 100-year		Yes*	
<b>RIGHT OF WAY</b>				
GENERAL ROW COVERAGE	The right of way for any County road enhancement has been acquired or the right to occupy and use non right of way property (via easement) has been acquired.		N/A	
GENERAL ROW COVERAGE	Construction limits for county road enhancements are completely within the right of way or covered by easement?		Yes*	
ROADWAY ELEMENTS	County road enhancements completely within the right of way or covered by easement?		Yes*	
SIDEWALK ELEMENTS	Trail or walk elements completely within the right of way or covered by easement?		N/A	
CLEAR ZONES	County Road clear zone completely within the right of way or covered by easement?		Yes*	

## The design shall meet State Aid Standards and the following:

Revised: June 2021

Design Detail	Desired Standard	Minimum Standard	Standard Achieved (Yes* or No** or NA)	Notes * - if Yes, circle, highlight or note standard ** - if No provide value used with justification (additional documentation if necessary)
<b>EROSION CONTROL</b>				
REQUIREMENT	Conform to NPDES Phase II		N/A	Site is Phase 1, See SWPPP on C7
SILT FENCE	Placed around project perimeter.	All points of discharge off the project	Yes*	
ROCK ENTRANCES, 1.5" WASHED ROCK	Length 100'	Length 50'	Yes*	
REFERENCE	MnDOT Erosion Control Handbook, by Office of Environmental Services		N/A	
<b>MISCELLANEOUS</b>				
LANDSCAPING/STREETSCAPING	Conform to ACHD Landscape/Streetscape Guidelines		Yes*	
<b>TURF ESTABLISHMENT:</b>				
Sod	Residential yards; commercial boulevards where irrigated		Yes*	Landscape plan to follow
Sod Type	Per Mn/DOT Spec 3878		Yes*	Landscape plan to follow
Seed and Mulch	All other areas, including blvds that are not irrigated.		Yes*	Landscape plan to follow
Seed Type	25-141 - ditches, 25-131 - boulevards		Yes*	Landscape plan to follow
Mulch Type	Type 1, Disk Anchored		Yes*	Landscape plan to follow
EROSION CONTROL BLANKET	On slopes 1:3 and steeper		N/A	No slopes greater than 1:3
<b>PAVEMENT MARKINGS:</b>				
Lane Markings	Epoxy	Latex	Yes*	
Pavement Messages, Arrows, Crosswalks, Stop Lines	Durable Marking		Yes*	
UTILITIES	Precon mtg. w/all area designs	Notify all utilities prior to const. to allow for relocation	Yes*	
LIST OF STANDARD PLATES	All standard plates used in ACHD right-of-way		N/A	Lot is not plated
<b>TRAFFIC CONTROL</b>				
Impact to Traffic	Traffic control plan signed by P.E. required		Yes*	
MEETS LONGITUDINAL DROP-OFF GUIDELINES	Label depth of excavation and lateral offset from adjacent thru lane (to determine if J-barrier is required)		N/A	
<b>NOTE (1) DESIGN REQUIREMENTS NOT TO BE CONSTRUED AS COMPREHENSIVE. ADDITIONAL ITEMS MAY BE REQUIRED.</b>				
<b>NOTE (2) BETWEEN MAY 15<sup>TH</sup> AND OCT. 15<sup>TH</sup> ANOKA COUNTY CREWS MAY DO THE STRIPING WORK (COORDINATED THROUGH PERMIT).</b>				
<b><u>By signing below, I certify the information provided in this form is true and correct to the best of my knowledge.</u></b>				
			07/22/2022	
SIGNATURE			DATE	
162240			Becklin and Whitney	
MN P.E. REGISTRATION NUMBER			COMPANY	

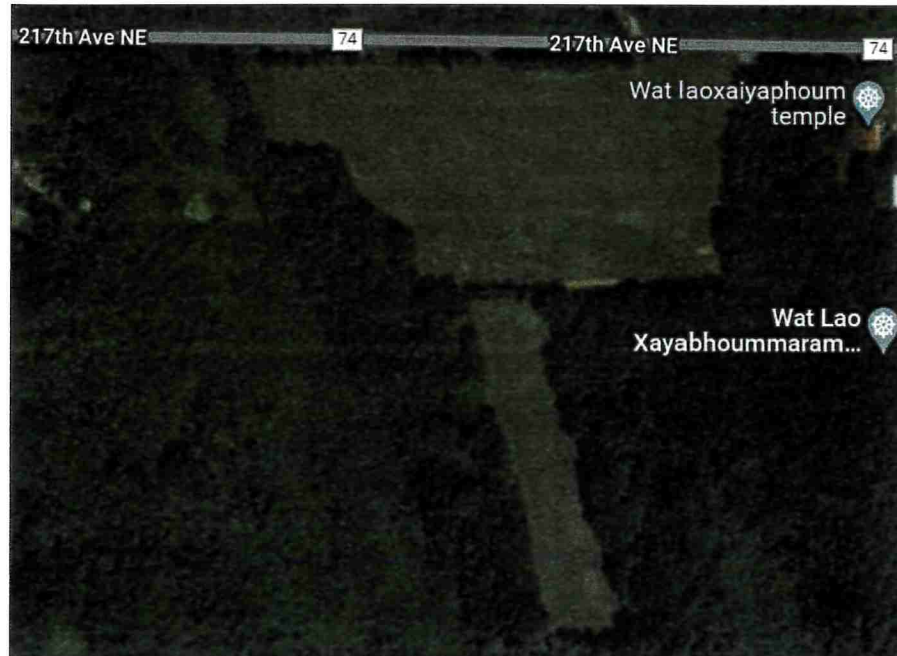
# New East Bethel Temple Wat Lao

FOR

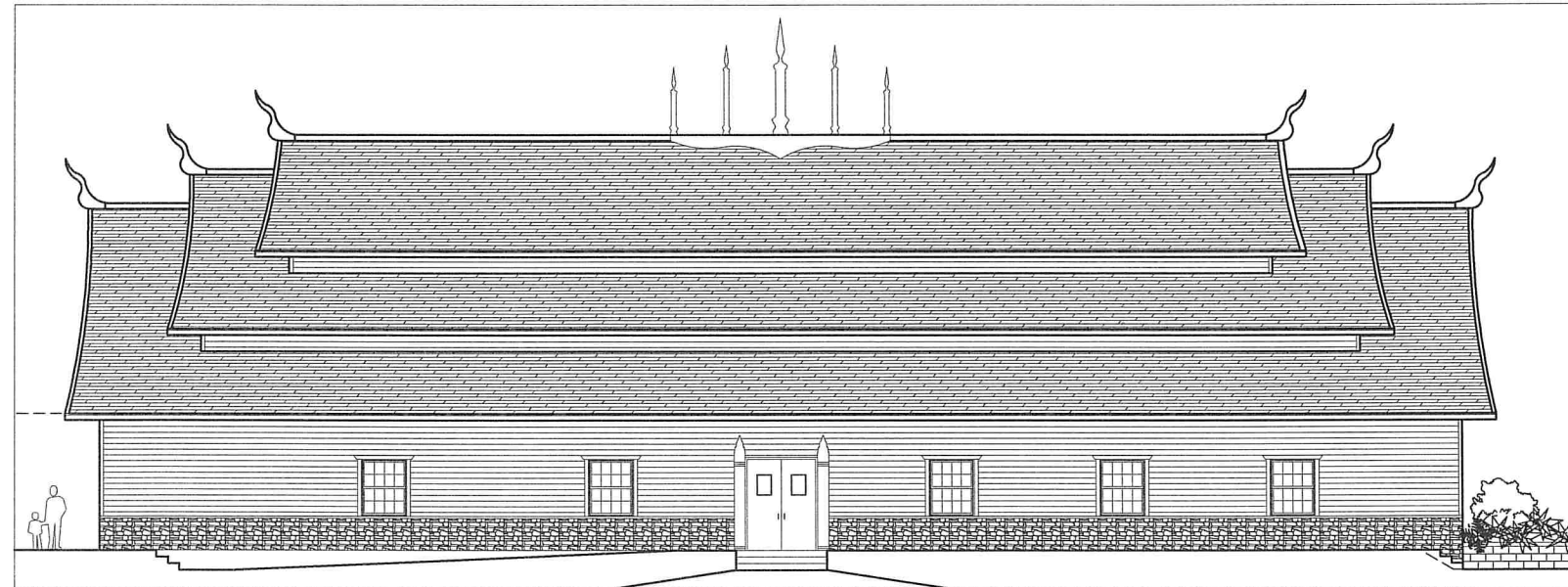
SITE, EXISTING CONDITIONS, GRADING, EROSION CONTROL, SWPPP, AND UTILITIES

FOR

4722 217th Avenue NE, East Bethel, MN 55011



2 C1 Existing Site  
Scale: NO SCALE



1 C1 Proposed structure  
Scale: 1/8" = 1' - 0"

**Sheet Index:**

- C1: Civil Cover Sheet
- C2: Existing/Survey & Removal Plan
- C3: Survey Legend
- C4: Civil Site Plan
- C5: Erosion & Sediment Control Plan
- C6: Erosion & Sediment Control Details
- C7: Stormwater Pollution Prevention Plan (SWPPP)
- C8: Grading Plan
- C8.1: Grading plan (right turn lane)
- C9: Utility Plan
- C10: Details
- C11: Rain garden details
- C12: Traffic control plan

**Attachments:**

Anoka County highway department required turn lane details.

GENERAL SITE WORK NOTES:

1. ALL STOCKPILES SHALL BE LOCATED WITHIN THE CONSTRUCTION LIMITS OR DESIGNATED STAGING AREAS.
2. ALL CONTROL OF WATER AND EROSION AND SEDIMENT CONTROL MEASURES SHALL BE SEQUENCED, INSTALLED, AND MAINTAINED BY THE CONTRACTOR. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE EROSION & SEDIMENT CONTROL PLAN FOR THE PROJECT. SEE EROSION & SEDIMENT CONTROL PLAN SHEET AND NOTES FOR ADDITIONAL INFORMATION.
3. ALL PUBLIC ROADWAYS AND PRIVATE DRIVEWAYS INSIDE THE CONSTRUCTION LIMITS SHALL REMAIN OPEN FOR THE DURATION OF CONSTRUCTION.
4. EXISTING TOPOGRAPHIC SURVEY SHOWN IS BASED ON A SITE SURVEY PERFORMED BY WIDSETH, INC. ON MAY, 2022.

GENERAL EARTHWORK NOTES:

- A. THE CONTRACTOR SHALL MINIMIZE DISTURBANCE OF TRESS/SHRUBS NOT MARKED FOR REMOVAL, INCLUDING MINIMIZING DISTURBANCE OF SOILS WITHIN THE TREES DRIPLINE ZONES. CONTRACTORS SHALL NOT STOCKPILE MATERIAL INSIDE THE TREE DRIPLINES.
- B. CONTRACTOR SHALL PROTECT ALL STRUCTURES AND UTILITIES NOT BEING MARKED OF REMOVAL.
- C. CONTRACTOR SHALL COORDINATE ALL DEMOLITION OF UNDERGROUND UTILITY WORK WITH OWNER.
- D. NO CONCRETE OR RUBBLE SHALL BE BACKFILLED ONSITE. BURNING OF DEBRIS ON SITE SHALL NOT BE ALLOWED.

**PROJECT**  
New East Bethel Temple  
Wat Lao Xayabhoummaram

**REVISIONS**  
REVISION 1: 6/17/2022  
REVISION 2: 7/20/2022  
REVISION 3: 10/03/2022  
REVISION 4: 10/19/2022

**PROJECT ADDRESS**  
4722 217th Avenue NE, East Bethel, MN 55011

**CUSTOMER INFORMATION**  
Owner:  
Wat Lao Xayabhoummaram

Contractor:  
Diego Bernal  
612-407-0154  
612-806-1023  
diegofer1969@gmail.com  
Land Construction LLC  
AHR Construction Corp

Architect:  
HL Architects  
320-237-7411  
hlarchitects2000@gmail.com  
5111th Ave. S,  
Waite Park, MN 56387



DATE: 10/19/2022  
DRAWN BY: Devonte Johnson

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139 1st Ave. E, Suite 100  
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office.becklinwhitney@gmail.com

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*Douglas K. Whitney*

Douglas K. Whitney, P.E. License # 15910  
Date: October 19, 2022

APPROVED: *[Signature]* DATE: 10-26-22  
ANOKA COUNTY ENGINEER  
*For Turn Lane Related items only*

Civil Cover Sheet  
**CI**  
Page Size: 22 x 34



PROJECT

New East Bethel Temple  
Wat Lao Xayabhoummaram

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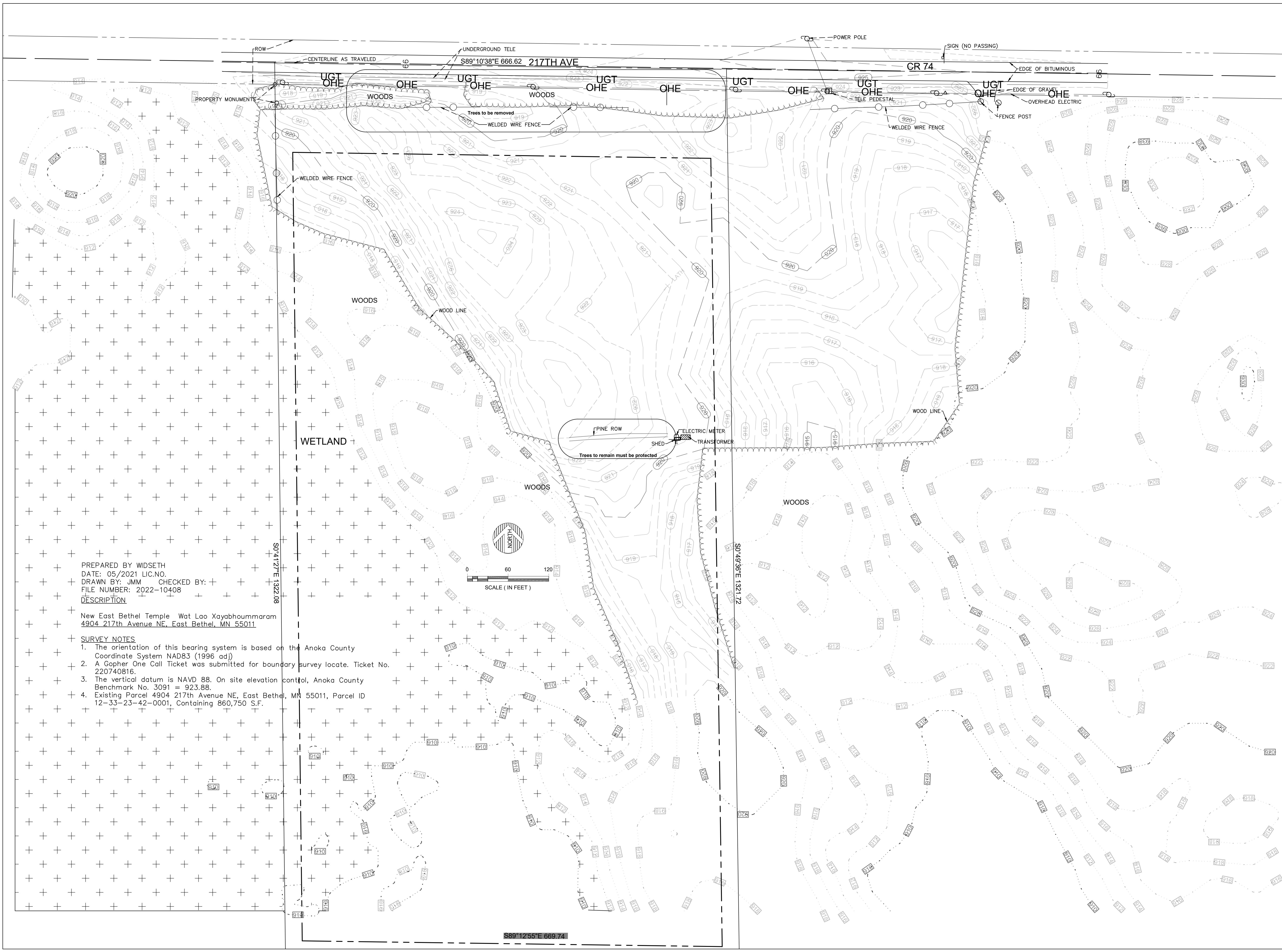
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Douglas K. Whitney, P.E. License # 15910  
Date: October 19, 2022

Existing Conditions

C2





SURVEY MONUMENTS

	BENCH MARK
	FOUND CIM
	FOUND CPNT.
	FOUND JLM
	FOUND LATH
	FOUND PIPE
	FOUND READING
	STAKED CIM
	STAKED CPNT.
	STAKED JLM
	STAKED PIPE

EXISTING TOPO SYMBOLS

	AC UNIT
	FENCE POST
	FLAG POLE
	GUARD POST
	GUY ANCHOR
	GUY POLE
	HANDICAP SYMBOL
	MAILBOX
	SHRUB
	SIGN DOUBLE POST
	SIGN SINGLE POST
	TREE CONIFER
	TREE DECIDUOUS
	TREE STUMP
	TV DISH
	WETLAND SYMBOL
	YARD LIGHT

EXISTING UTILITY MUNICIPAL SYMBOLS

	APRON
	LIFT STATION
	SANITARY CLEANOUT
	SANITARY MANHOLE
	STORM CATCH BASIN
	STORM INLET

EXISTING UTILITY MUNICIPAL SYMBOLS (cont.)

	STORM MANHOLE
	WATER CURB STOP
	WATER HANDHOLE
	WATER HYDRANT
	WATER MANHOLE
	WATER METER
	WATER VALVE
	WATER WELL
	UTILITY SIZE & TYPE

EXISTING UTILITY PRIVATE SYMBOLS

	ELEC GROUND LIGHT
	ELEC HANDHOLE
	ELEC LIGHT POLE
	ELEC MANHOLE
	ELEC METER
	ELEC PEDESTAL
	ELEC POLE
	ELEC SIGNAL
	ELEC TRANSFORMER BOX
	GAS METER
	GAS VALVE
	LP TANK
	TELE HANDHOLE
	TELE MANHOLE
	TELE PEDESTAL
	TELE POLE
	TV HANDHOLE
	TV PEDESTAL

SOIL BORING SYMBOLS

	LASER-INDUCED FLUORESCENCE BORING
	LYSIMETER
	MONITOR WELL
	PERC TEST
	PIEZOMETER
	RECOVERY WELL
	SOIL BORING
	SOIL VAPOR POINT
	VAPOR SURVEY POINT

PROPOSED UTILITY MUNICIPAL SYMBOLS

	APRON PROPOSED
	SANITARY CLEANOUT PROPOSED
	SANITARY LIFT STATION PROPOSED
	SANITARY LIFT STATION VALVE MANHOLE PROPOSED
	SANITARY MANHOLE PROPOSED
	SANITARY PLUG PROPOSED
	STORM CATCH BASIN PROPOSED
	STORM MANHOLE PROPOSED
	WATER 11 1/4° BEND PROPOSED
	WATER 22 1/2° BEND PROPOSED
	WATER 45° BEND PROPOSED
	WATER 90° BEND PROPOSED
	WATER CAP PROPOSED
	WATER CROSS PROPOSED
	WATER CURB STOP PROPOSED
	WATER HYDRANT PROPOSED
	WATER REDUCER PROPOSED
	WATER SLEEVE PROPOSED
	WATER TEE PROPOSED
	WATER VALVE PROPOSED

PROPOSED UTILITY PRIVATE SYMBOLS

	ELEC LIGHT POLE PROPOSED
--	--------------------------

EROSION CONTROL SYMBOLS

	SURFACE DRAINAGE ARROW
	STORM DRAIN INLET PROTECTION

TRAFFIC CONTROL DEVICES & SYMBOLS

	TRAFFIC CONTROL SIGN (1 POST)
	TRAFFIC CONTROL SIGN (2 POST)
	TYPE III BARRICADE
	DRUM CHANNELIZER
	FLASHING ARROW OR MESSAGE BOARD

EXISTING TOPOGRAPHIC LINES

	CENTER LINE
	EDGE OF WOODS
	FENCE BARB WIRE
	FENCE CHAIN LINK
	FENCE WOOD
	FORCEMAIN
	OVERHEAD CABLE TV
	OVERHEAD ELECTRIC
	OVERHEAD TELE
	RAILROAD
	RETAINING WALL
	SANITARY SEWER
	SANITARY SEWER SERVICE
	STORM SEWER
	STORM SEWER DRAIN TILE
	UNDERGROUND CABLE TV
	UNDERGROUND ELECTRIC
	UNDERGROUND FIBER OPTIC
	UNDERGROUND GAS
	UNDERGROUND TELE
	WATERMAIN
	WATERMAIN SERVICE
	WETLAND EDGE
	Interpolated grading
	Widseth survey grading
	Anoka County GIS grading
	Proposed elevations

R/W, LOT & EASEMENTS LINES

	BUILDING SETBACK LINE
	LOT LINE PROPOSED
	EASEMENT LINE
	EASEMENT LINE PROPOSED
	LOT LINE
	MNDOT CONTROLLED ACCESS LINE
	RIGHT OF WAY EXISTING
	RIGHT OF WAY PROPOSED

PROPOSED CONSTRUCTION LINES

	FENCE CHAIN LINK PROPOSED
	FENCE WOOD PROPOSED
	FENCE BARB WIRE PROPOSED
	FORCEMAIN PROPOSED
	SANITARY SEWER PROPOSED
	SANITARY SERVICE PROPOSED
	STORM SEWER PROPOSED
	STORM SEWER DRAIN TILE PROPOSED
	WATERMAIN PROPOSED
	WATERMAIN SERVICE PROPOSED

EROSION CONTROL LINES

	SILT FENCE
	SILT FENCE TYPE HEAVY DUTY
	SILT FENCE TYPE MACHINE SLICED
	SILT FENCE TYPE PREASSEMBLED
	FLOTATION SILT CURTAIN

HATCH PATTERN AND SHADING LEGEND

	RANDOM RIPRAP
	SOD
	SEED
	HYDRAULIC STABILIZER
	EROSION CONTROL BLANKET
	TEMP. ROCK CONSTRUCTION ENTRANCE
	BUILDING WALL HATCH
	BITUMINOUS SURFACE
	CONCRETE SURFACE
	GRAVEL SURFACE
	EASEMENT PATTERN
	WETLAND

DOCUMENTATION SYMBOLS

	SECTION ARROW - SECTION NUMBER TOP; PAGE OF SECTION BOTTOM
--	--

SURVEY PREPARED BY WIDSETH  
VERIFY WHAT NAME GOES HERE  
DATE: 05/2021 LIC.NO.  
DRAWN BY: JMM CHECKED BY:  
FILE NUMBER: 2022-10408

PROJECT

New East Bethel Temple  
Wat Lao Xayabhoummaram

REVISIONS

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Douglas K. Whitney, P.E. License # 15910  
Date: October 19, 2022

Survey Legend

C3



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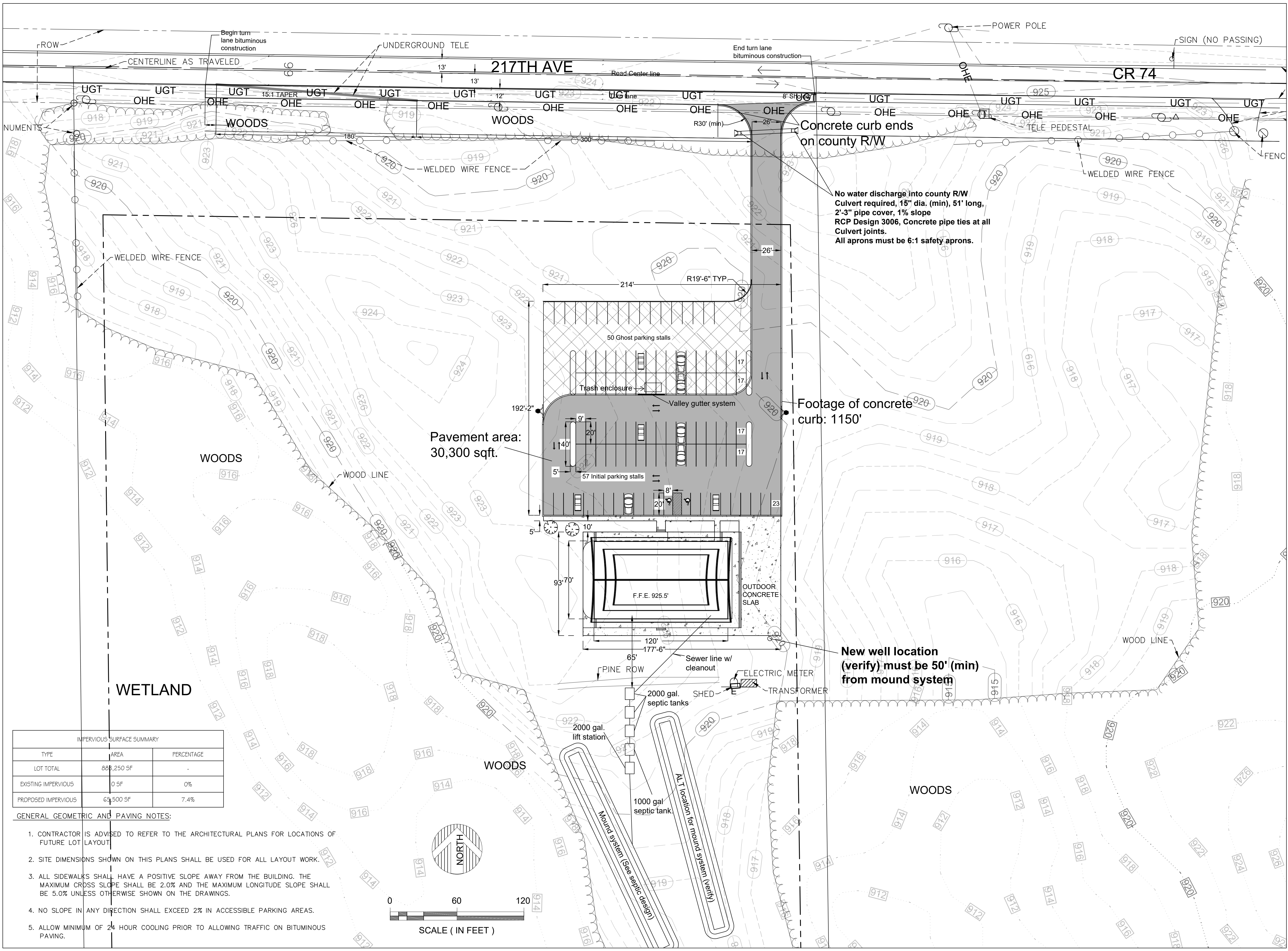
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Civil Site Plan

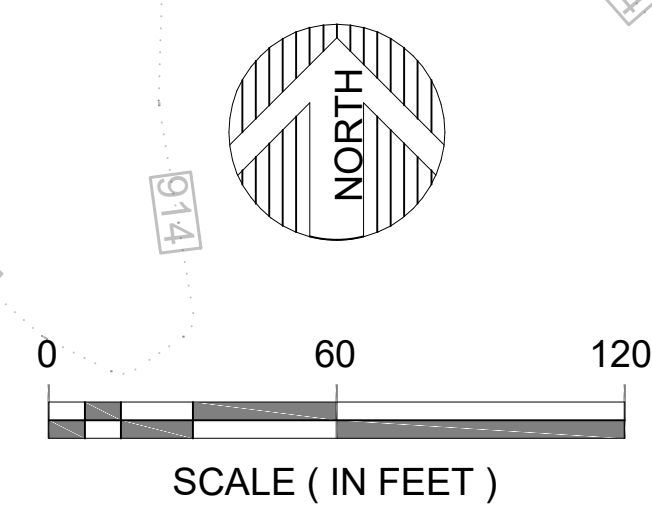
C4



IMPERVIOUS SURFACE SUMMARY		
TYPE	AREA	PERCENTAGE
LOT TOTAL	688,250 SF	-
EXISTING IMPERVIOUS	0 SF	0%
PROPOSED IMPERVIOUS	63,500 SF	7.4%

GENERAL GEOMETRIC AND PAVING NOTES:

1. CONTRACTOR IS ADVISED TO REFER TO THE ARCHITECTURAL PLANS FOR LOCATIONS OF FUTURE LOT LAYOUT
2. SITE DIMENSIONS SHOWN ON THIS PLANS SHALL BE USED FOR ALL LAYOUT WORK.
3. ALL SIDEWALKS SHALL HAVE A POSITIVE SLOPE AWAY FROM THE BUILDING. THE MAXIMUM CROSS SLOPE SHALL BE 2.0% AND THE MAXIMUM LONGITUDE SLOPE SHALL BE 5.0% UNLESS OTHERWISE SHOWN ON THE DRAWINGS.
4. NO SLOPE IN ANY DIRECTION SHALL EXCEED 2% IN ACCESSIBLE PARKING AREAS.
5. ALLOW MINIMUM OF 24 HOUR COOLING PRIOR TO ALLOWING TRAFFIC ON BITUMINOUS PAVING.

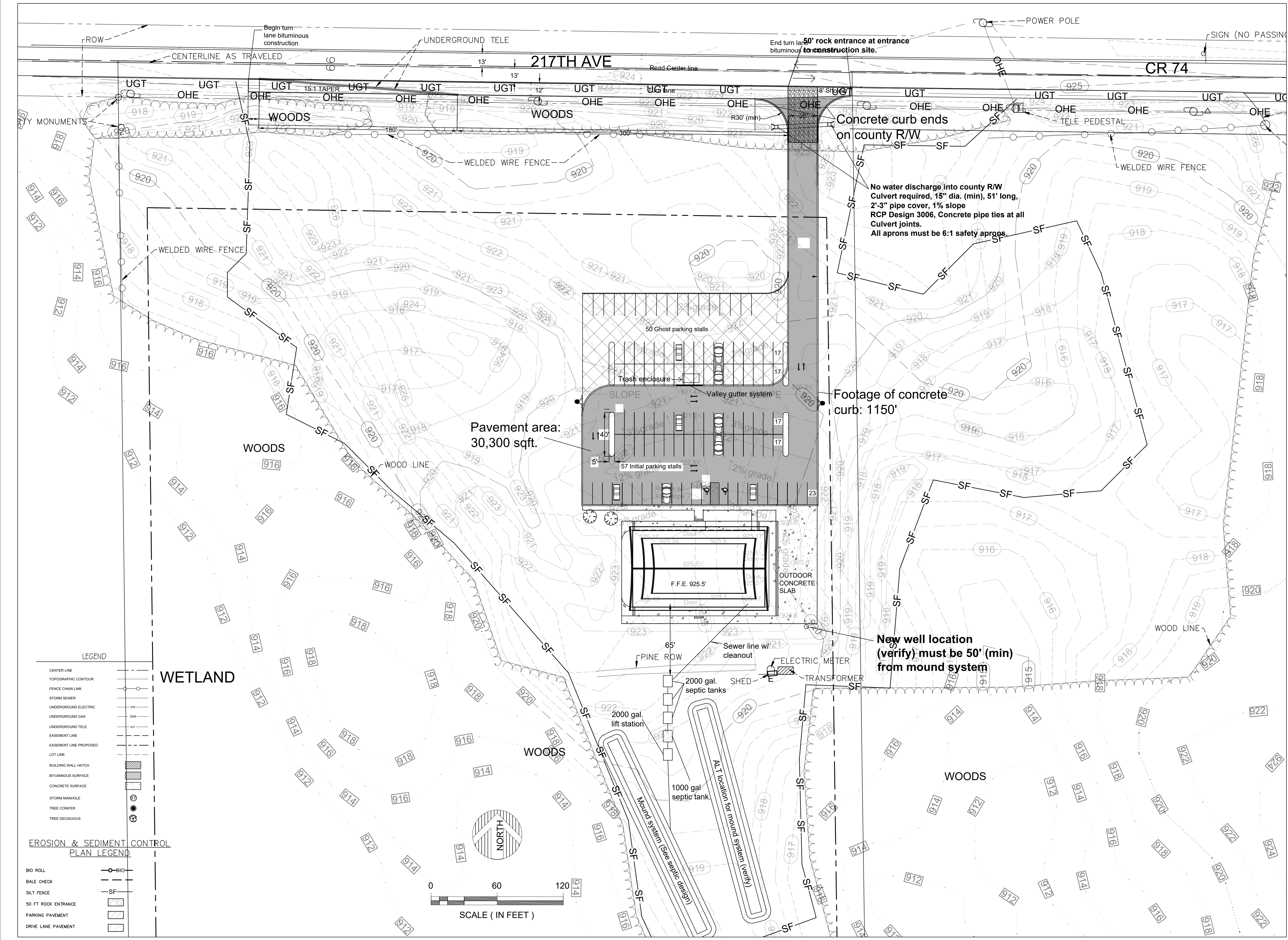






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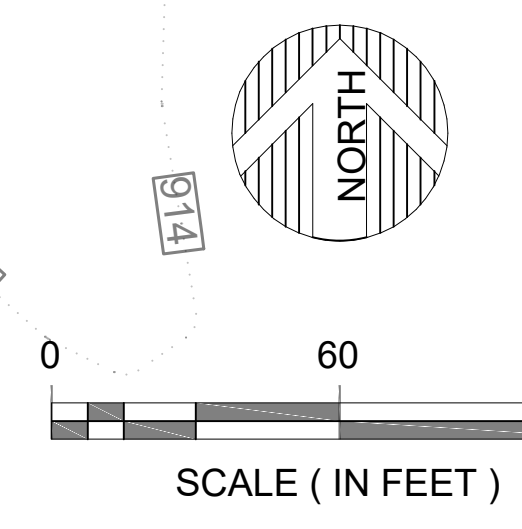
**LEGEND**

- CENTER LINE
- TOPOGRAPHIC CONTOUR
- FENCE CHAIN LINK
- STORM SEWER
- UNDERGROUND ELECTRIC
- UNDERGROUND GAS
- UNDERGROUND TELE
- EASEMENT LINE
- EASEMENT LINE PROPOSED
- LOT LINE
- BUILDING WALL HATCH
- BITUMINOUS SURFACE
- CONCRETE SURFACE
- STORM MANHOLE
- TREE CONIFER
- TREE DECIDUOUS

**EROSION & SEDIMENT CONTROL PLAN LEGEND**

- BIO ROLL
- BALE CHECK
- SILT FENCE
- 50 FT ROCK ENTRANCE
- PARKING PAVEMENT
- DRIVE LANE PAVEMENT

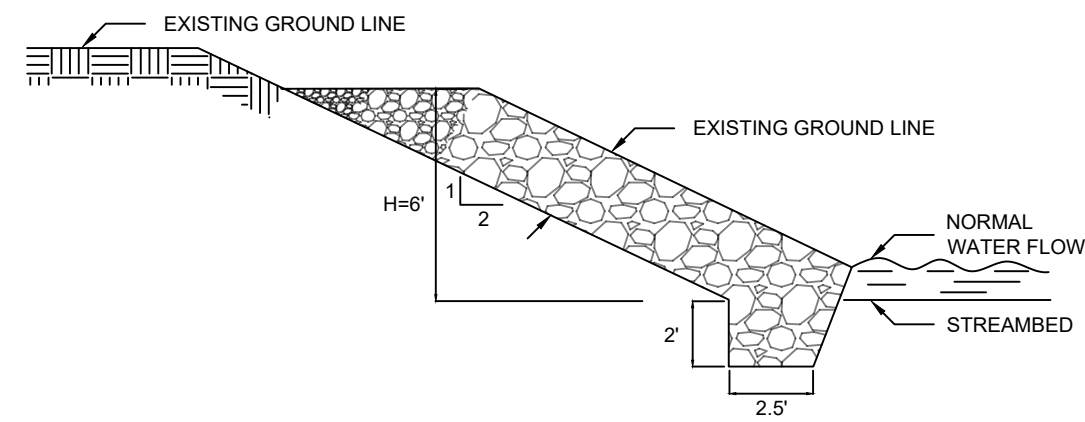
WETLAND



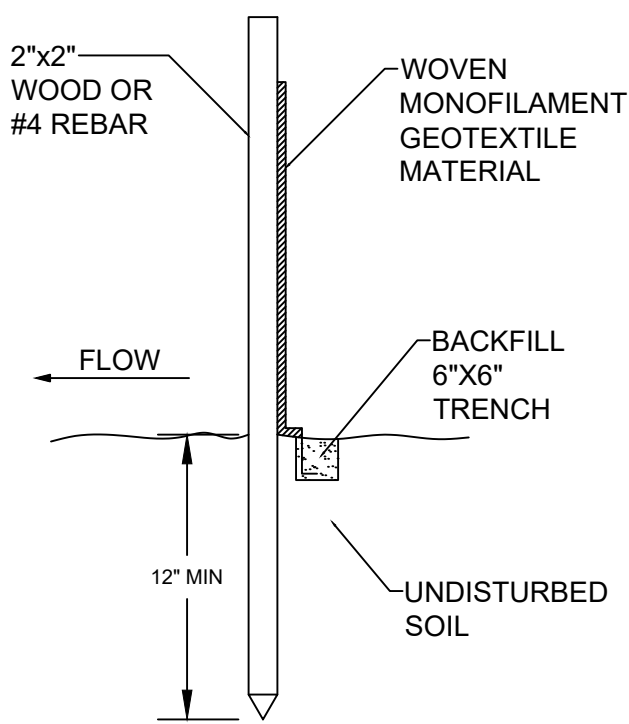


**GENERAL EROSION AND SEDIMENTATION CONTROL NOTES:**

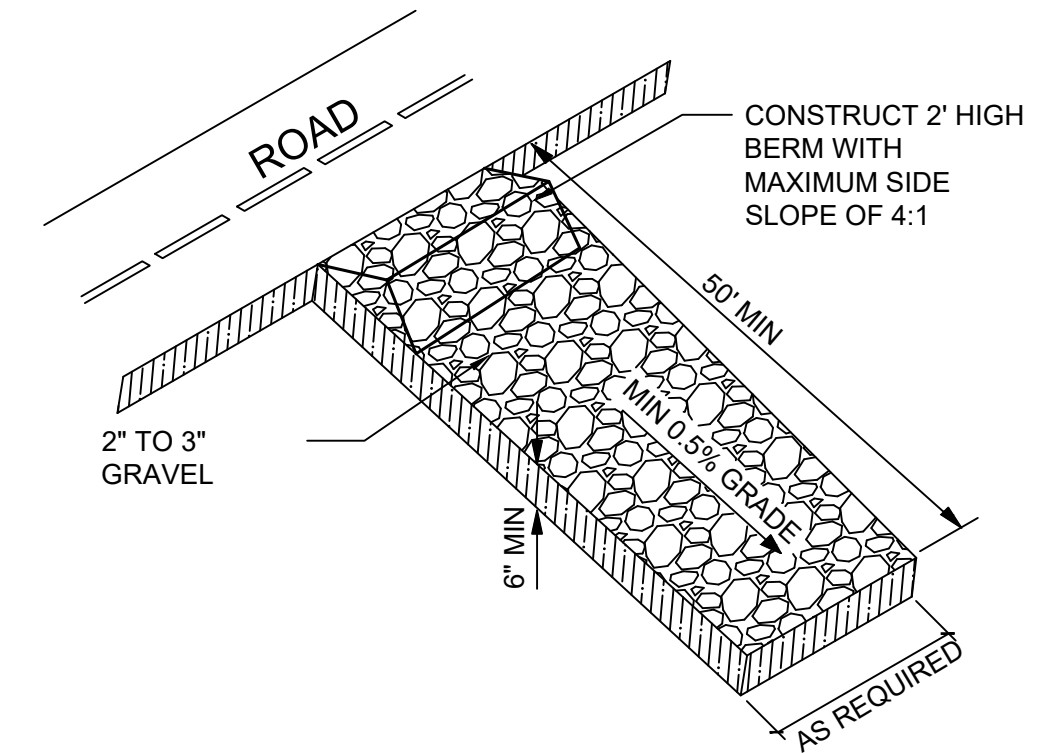
1. CONTRACTOR MUST NOTIFY CITY INSPECTOR PRIOR TO ANY LAND DISTURBANCES. FAILURE TO DO SO MAY RESULT IN FINES, THE REVOCATION OF PERMIT AND A STOP WORK ORDER BEING ISSUED.
2. INSTALL PERIMETER EROSION CONTROL AT THE LOCATIONS SHOWN ON THE PLANS PRIOR TO COMMENCEMENT OF ANY LAND DISTURBANCE OR CONSTRUCTION ACTIVITIES. SILT FENCE SHALL FOLLOW EXISTING CONTOURS AS CLOSELY AS FEASIBLE.
3. BEFORE BEGINNING CONSTRUCTION, INSTALL A TEMPORARY ROCK CONSTRUCTION ENTRANCE AT EACH POINT WHERE VEHICLES EXIT THE CONSTRUCTION SITE. USE 2 INCH OR GREATER DIAMETER ROCK IN A LAYER AT LEAST 6 INCHES THICK ACROSS THE ENTIRE WIDTH OF THE ENTRANCE. EXTEND THE ROCK ENTRANCE AT LEAST 50 FEET INTO THE CONSTRUCTION ZONE USING A GEO-TECXTILE FABRIC BENEATH THE AGGREGATE TO PREVENT MIGRATION OF SOIL INTO THE ROCK FROM BELOW.
4. GENERAL CONTRACTOR SHALL DENOTE ON PLAN THE TEMPORARY PARKING AND STORAGE AREA WHICH SHALL ALSO BE USED AS THE EQUIPMENT MAINTENANCE AND CLEANING AREA, EMPLOYEE PARKING AREA, AND AREA FOR LOCATION PORTABLE FACILITIES, OFFICE TRAILERS AND TOILET FACILITIES.
5. REMOVE ALL SOILS AND SEDIMENTS TRACKED OR OTHERWISE DEPOSITED ONTO PUBLIC AND PRIVATE PAVEMENT AREAS. REMOVAL SHALL BE ON A DAILY BASIS WHEN TRACKING OCCURS AND MAY BE ORDERED BY MINNEAPOLIS INSPECTORS AT ANY TIME IF CONDITIONS WARRANT. SWEEPING SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE CONSTRUCTION AND DONE IN A MANNER TO PREVENT DUST BEING BLOWN TO ADJACENT PROPERTIES.
6. INSTALL INLET PROTECTION AT ALL PUBLIC AND PRIVATE CATCH BASIN INLETS. WHICH RECEIVE RUNOFF FROM THE DISTURBBED AREAS. CONTRACTOR SHALL CLEAN, REMOVE SEDIMENT OR REPLACE STORM INLET PROTECTION DEVICES ON A ROUTINE BASIS SUCH THAT THE DEVICES ARE FULLY FUNCTIONAL FOR THE NEXT RAIN EVENT. SEDIMENT FILTER FABRIC WRAPPED GRATES ARE NOT ALLOWED FOR INLET PROTECTION.
7. LOCATE SOIL OR DIRT STOCKPILES NO LESS THAN 25 FEET FROM ANY PUBLIC OR PRIVATE ROADWAY OR DRAINAGE CHANNEL IF REMAINING FOR MORE THAN SEVEN DAYS, STABILIZE THE STOCKPILES BY MYUCHING, VEGITATIVE COVER, TARPS, OR OTHER MEANS. CONTROL EROSION FORM ALL STOCKPILES BY PLACING SILT BARRIERS AROUND THE PILES. TEMPORARY STOCKPILES LOCATED ON PAVED SURFACES MUST BE NO LESS THAN 2 FEET FROM THE DRAINAGE/GUTTER LINE AND SHALL BE COVERED IF LEFT MORE THAN 24 HOURS.
8. MAINTAIN ALL TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES IN PLACE UNTIL THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED. INSPECT TEMPORARY EROSION AND SEDIMENT CONTROL ON A DAILY BASIS AND REPLACE DETERIORATED, OR ROTTED EROSION CONTROL DEVICES IMMEDIATELY.
9. TEMPORARILY OR PERMANENTLY STABILIZED ALL CONSTRUCTION AREAS WHICH HAVE UNDERGONE FINAL GRADING, AND ALL AREAS IN WHICH GRADING OR SIDE BUILDING CONSTRUCTION OPERATIONS ARE NOT ACTIVELY UNDERWAY AGAINST EROSION DUE TO RAIN, WIND AND RUNNING WATER WITHIN 7 DAYS. USE SEE AND MULCH, EROSION CONTROL MATTING, AND/OR SODDING AND STAKING IN GREEN SPACE AREAS. REMOVE ALL TEMPORARY SYNTHETIC, STRUCTURAL, NON-BIODEGRADABLE EROSION AND SEDIMENT CONTROL DEVICES AFTER THE SITE HAS UNDERGONE FINAL STABILIZATION WITH PERMANENT VEGETATION ESTABLISHMENT. FINAL STABILIZATION FOR PURPOSE OF THIS REMOVAL IS 70% ESTABLISHED COVER OVER DENUDED AREA.
10. READY MIXED CONCRETE AND CONCRETE BATCH/MIX PLANTS ARE PROHIBITED WITHIN THE PUBLIC RIGHT OF WAY. ALL CONCRETE RELATED PRODUCTION, CLEANING AND MIXING ACTIVITIES AHSLL BE DONE IN THE DESIGNATED CONCRETE MIXING/WASHOUT LOCATIONS AS DETERMINED BY THE CONTRACTOR. UNDER NO CIRCUMSTANCES MAY WASHOUT WATER DRAIN INTO THE PUBLIC RIGHT OF WAY OR INTO ANY PUBLIC OR PRIVATE STORM DRAIN CONVEYANCE.
11. DUE TO THE GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION CONTROL MEASURES TO PREVENT EROSION.
12. CHANGES TO APPROVED EROSION CONTROL PLAN MUST BE APPROVED BY THE EROSION CONTROL INSPECTOR PRIOR TO IMPLEMENTATION. CONTRACTOR TO PROVIDE INSTALLATION AND DETAILS FOR ALL PROPOSED ALTERNATES TYPE DEVICES.
13. STREET SWEEPING SHALL BE PERFORMED IF SEDIMENT COLLECTS ON STREETS.
14. ALL CONSTRUCTION SHALL BE STABILIZED AT THE END OF EACH WORKING DAY. THIS INCLUDES BACKFILLING OF TRENCHES FOR UTILITY CONSTRUCTION AND PLACEMENT OF GRAVEL OF BITUMINOUS PAVING FOR ROAD CONSTRUCTION.



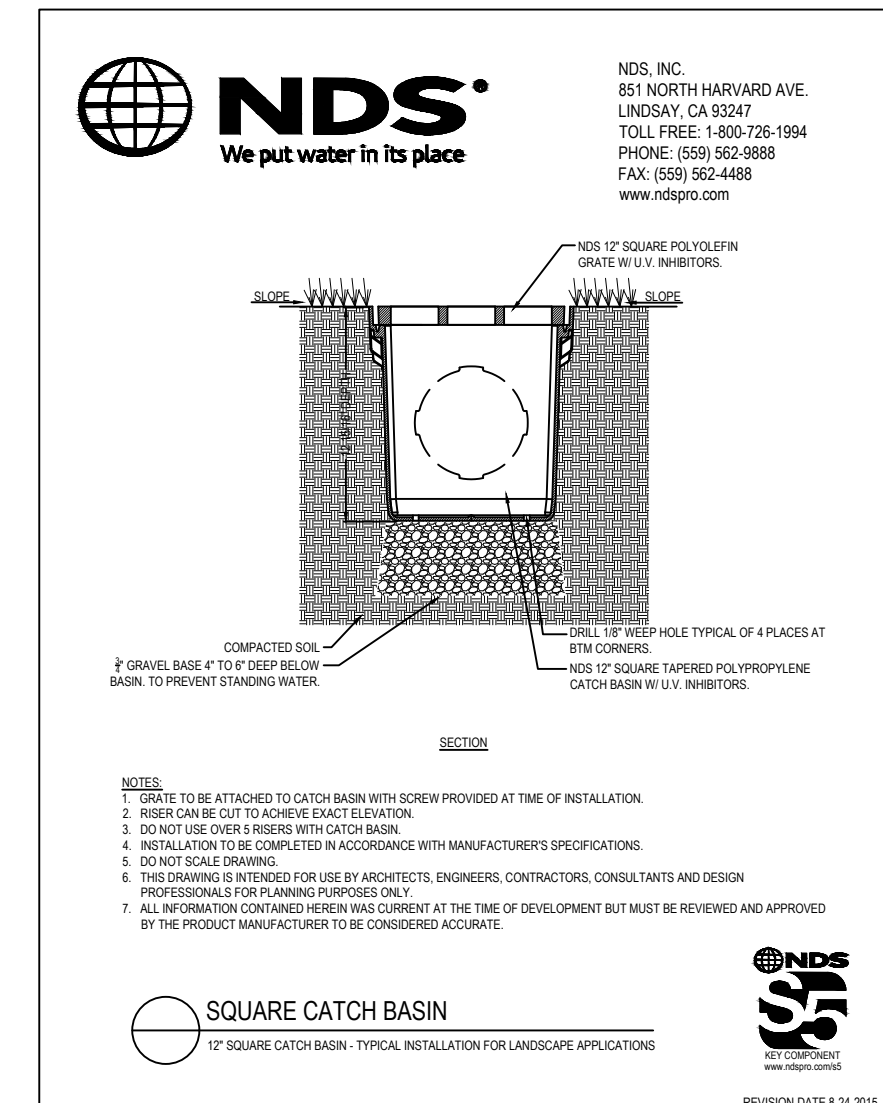
EROS 1-C6	<b>EROSION CONTROL</b>	SCALE: NTS BECKLIN & WHITNEY CONSULTING ENGINEERS
	<i>RIP RAP</i>	



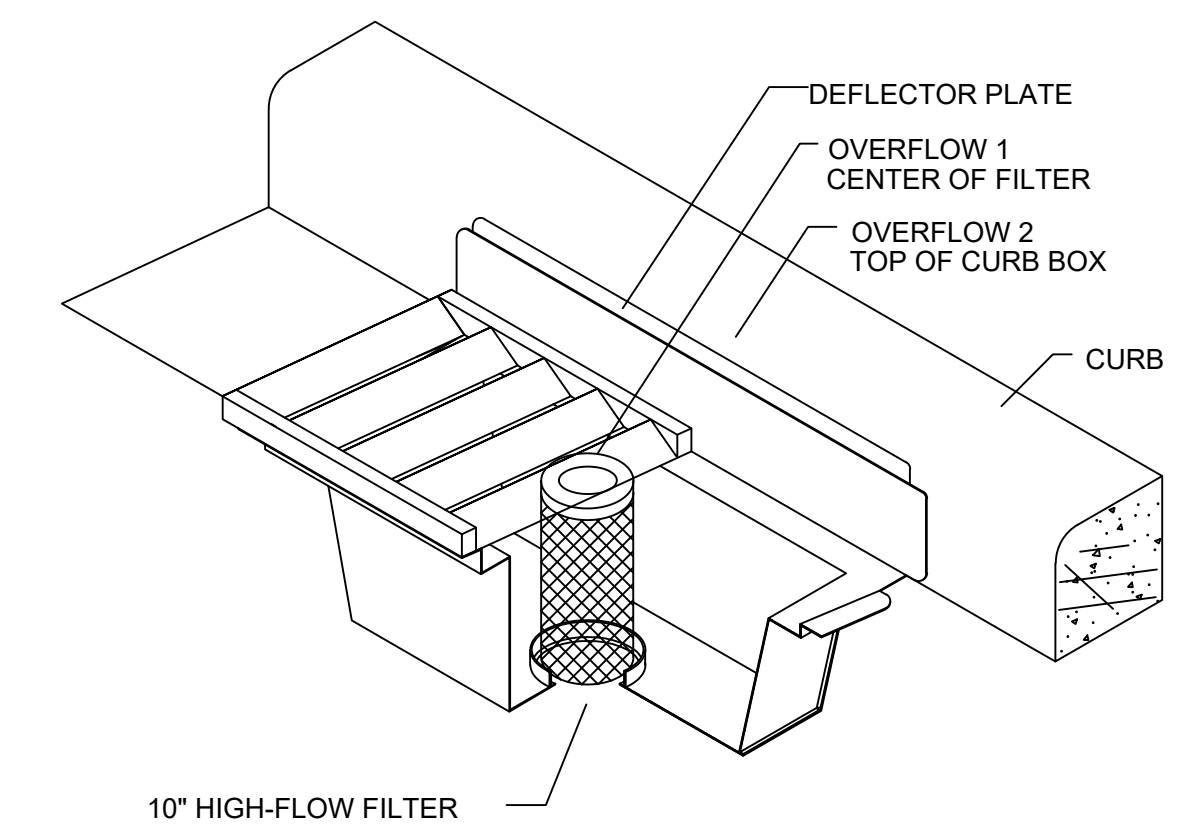
EROS 4-C6	<b>EROSION CONTROL</b>	DRAWN BY: KG SCALE: NTS BECKLIN & WHITNEY CONSULTING ENGINEERS
	<i>SILT FENCE</i>	



EROS 3-C6	<b>EROSION CONTROL</b>	DRAWN BY: KG SCALE: NTS BECKLIN & WHITNEY CONSULTING ENGINEERS
	<i>ROCK ENTRANCE DRIVE</i>	



EROS 6-C6	<b>EROSION CONTROL</b>	DRAWN BY: KG SCALE: NTS BECKLIN & WHITNEY CONSULTING ENGINEERS
	<i>STANDARD CATCH BASIN</i>	



- NOTES:
- WIMCO CG MODEL OR APPROVED EQUAL TO MATCH CASTING
  - SILT FENCE/FABRIC NOT ALLOWED TO BE USED AS INLET PROTECTION

STM 9-C6	<b>STORM SEWER</b>	DRAWN BY: KG SCALE: NTS BECKLIN & WHITNEY CONSULTING ENGINEERS
	<i>INLET PROTECTION FOR CURB AND GUTTER</i>	

**PROJECT**

New East Bethel Temple  
Wat Lao Xayabhoummaram

**REVISIONS**

- REVISION 1: 6/17/2022  
REVISION 2: 7/20/2022  
REVISION 3: 10/03/2022  
REVISION 4: 10/19/2022

**PROJECT ADDRESS**

4722 217th Avenue NE, East  
Bethel, MN 55011

**CUSTOMER INFORMATION**

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Wat Lao Xayabhoummaram

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DATE 10/19/2022

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*Douglas K. Whitney*

Douglas K. Whitney, P.E. License # 15910  
Date: October 19, 2022

Erosion & Sediment control  
details

**C6**



**CONSTRUCTION ACTIVITY REQUIREMENTS: EROSION CONTROL PRACTICES, PROCEDURES & MAINTENANCE STANDARDS**

The operator is responsible for the installation, operation, and continued maintenance of all temporary and permanent water quality management BMPs, as well as all erosion prevention and sediment control BMPs, for the duration of the construction work at the site, until final stabilization is achieved. All BMPs must be adequately located, designed, installed and maintained to prevent erosion from a minimum 0.5 inch total rainfall event within 24 hours.

All nonfunctional BMPs must be required, replaced or supplemented with functional BMPs by the end of the next business day after discovery, or as soon as conditions allow access unless another time frame is specified in the SWPPP. All eroded material that leaves the site shall be collected by the Operator and returned to the site at the Operator's expense and incidental to the project cost.

Temporary or permanent stabilization shall be initiated as soon as possible, not later than the end of the next work day following the day earth-disturbing activities in that portion of the site have temporarily or permanently ceased. All exposed soil areas shall be stabilized within 14 days after the construction activity in that portion of the site has temporarily or permanently ceased. Initiated stabilization is defined as completing one (or more) of the following: soil preparation for vegetation, mulching (or other temporary non-vegetative BMP), seeding/plating, or scheduling stabilization measures to be fully installed and completed within the 14 day timeframe.

All exposed soils within 200 feet and draining to a DNR Public Waters must be stabilized within 24 hours of temporarily or permanently ceasing work, during the fish spawning period of March 15 to June 15. Temporary stockpiles without significant silt, clay or organic components (e.g. clean aggregate stockpiles, demolition concrete stockpiles, sand stockpiles) and the constructed base components of roads, parking lots and similar surfaces are exempt from this requirement.

Temporary stabilization BMPs shall only be implemented when presented stabilization BMPs cannot be implemented within the 14 day timeframe for exposed soils.

**Please refer to "Temporary Erosion and Sediment Control Plan" and "Stormwater Details" of the construction plan set for BMP installation details and locations.**

Temporary/Permanent Drainage Ditches & Swales: The normal wetted perimeter (2-year, 24-hour precipitation event) of any temporary or permanent drainage ditch, channel, or swale that drains water from any portion of the construction site, or diverts water around the site, must be stabilized within the last 200 lineal feet from the property edge, or from the point of discharge into any surface water within 24-hours of connection. Stabilization of the remaining portions of the channel must be stabilized within 14-days. All stormwater conveyance channels must use Erosion Control and velocity dissipation devices within and along the length of the channel and at any outlets. Temporary or permanent ditches of swales that are being used as a temporary sediment system (within properly designed rock ditch checks, bio-rolls, silt dikes, etc.) do not need to be stabilized. These areas must be stabilized within 24-hours after no longer being used as a sediment containment system. Mulch, hydromulch, tackifier, or polyacrylamide below the wetted perimeter of a ditch, swale, or other surface water conveyance is not acceptable stabilization.

Erosion Control Blankets/Mats: Operator shall verify during regular inspections that no gullies, rills, or scour holes have formed under Erosion Control blankets and mats. All repairs must be completed within 24-hours of discovery, or as soon as field conditions allow access.

Mulch: Operator must apply mulch in a uniform pattern over the disturbed soils, to achieve a minimum of 90% ground cover.

Dust Control: Dust from the site will be controlled by increased street sweeping and/or using a mobile pressure-type distributor truck to apply potable water to disturbed areas. The mobile unit will apply water at a rate necessary to prevent runoff and ponding.

Storm Sewer Outlets: Pipe outlets must have temporary or permanent energy dissipation within 24-hours after hydraulic connection to receiving surface water.

**Temporary Erosion Control BMPs**

Type 1 Mulch: Apply to disturbed slopes less than 1:3 with blower equipment or concurrently with a hydrolock at 2 tons/acre. Immediately overspray (if not hydromulch) with a tackifier (per manufacturer recommended rates) or disc-anchored.

Rapid Stabilization Method #3: This work shall consist of operations necessary to rapidly stabilize small critical areas within 200 feet of Surface Waters, to prevent off site sediment and/or to comply with permit requirements. Install per MNDOT specifications 2575.3N.

Rapid Stabilization Method #4: (wood fiber, natural net only) is an acceptable BMP for disturbed areas adjacent to environment sensitive areas, surface waters, and within the last 200 feet of ditch bottoms.

Temporary Winter Cover: Areas of exposed soils that are not completed before the winter will be stabilized with Type #3 (certified as Weed Free) adjacent to wetland or stormwater ponds. All other disturbed areas shall be stabilized with Type #1 mulch, unless alternative more protective BMPs are specific within the SWPPP. All exposed soils shall be stabilized before construction is completed for the season.

Hydro-Mulch Type #5: Hydraulic Soil Stabilizer in combination with a tackifier will be installed per manufacturer specifications to exposed soil areas to provide temporary long-term or permanent cover for vegetation establishment.

**POLLUTION PREVENTION MANAGEMENT MEASURES**

Potential sources of pollutants from construction activities include:

Sediment and Fugitive dust generated from clearing and grabbing, import/export operations, removals/compaction, mass/fine grading, excavations, trenching, topsoil striping, stockpiling, wet/dry pavement cutting, street construction.  
Basic/acidic PH Levels from curb and gutter, manhole structures, sidewalks, driveway aprons, foundations, bridge abutments, wet/dry pavement cutting, masonry washout/cleanout.  
Excess nutrients from landscaping installations, soil additives, fertilization, mulching.  
Hydrocarbons from street construction, demolition/removals, wet/dry pavement cutting.

Operator will comply with all of the pollution prevention and management measures identified in the NPDES-CSW permit. Operator will submit a spill prevention and response plan (SPRP) to the engineer within 7 days prior to any construction activity. The SPRP must satisfactorily address (at a minimum) the following NPDES requirement by the proposed implementation and maintenance of appropriate BMPs.

No-Exposure: Construction and building products (that have the potential to leach pollutants), pesticides, herbicides, insecticides, fertilizers, treatment chemicals, and landscaping materials must be under cover (plastic sheeting or temporary roofs) to minimize contact with stormwater and precipitation.

Solid Waste: (sediment, asphalt, concrete millings, construction, and demolition debris) and other wastes must be disposed of properly and shall comply with MPCA disposal requirements (ch. 7035).

Hazardous Material: (e.g. gas, diesel, oil, antifreeze, paint solvents, soaps, detergents, wood preservatives, cleaning solvents, curing compounds, acids, etc.) must be stored in sealed containers in restricted access areas to prevent vandalism. Secondary spill containment is required for all materials if stored on-site for more than 24 consecutive hours (Double walled tanks are acceptable for secondary containment)/ Storage and disposal of hazardous wastes and materials must be in compliance with MPCA regulations (ch. 7045).

Portable toilets: must be positioned and secured so they are not tipped or knocked over.

Equipment/Vehicle Fueling, External Washing, and Maintenance Practices: When vehicle fueling, maintenance, or external washing must occur on-site, the activity is limited to a contained portion of the staging area, unless infeasible through a SWPPP amendment. Procedures for spill response and materials for containment and clean up (drip pans, dry absorbents, and spill kits) will be available at all times on-site. Engine degreasing is prohibited on-site.

Concrete, Stucco, Paint, Curing Compounds, Solvents, and other Washout Wastes: Temporary or Long-Term storage of washout waste is prohibited on-site (slurry must be hauled immediately off-site). Operator must submit a concrete washout plan to the project engineer for approval of all on-site washout locations. On-site washout locations must be located 200 feet from an environmentally sensitive area and surface waters, have "concrete washout area" signage, and be contained in a leak-proof container or impermeable liner. Liquid and solid wastes should not contact the ground (unless permitted in the concrete washout plan), be contained to prevent runoff from the washout location, and must be disposed of properly and in compliance with MPCA regulations.

Burning: Burning of garbage, construction debris, trees, brush, or other negative material is not allowed on site, unless prior approval is granted by the owner.

**INSPECTION AND MAINTENANCE**

The operator must inspect the entire construction site at least once every seven (7) days during active construction and within 24-hours after a rainfall event greater than 0.5 inches in 24-hours. The operator shall provide a rainfall gauge on-site, within one mile of the site, or source of the weather reporting system that uses site specific rainfall data from radar summaries. The location and source of the rainfall gauge or reporting system must be documented in the first SWPPP inspection report. Refer to SWPPP narrative for additional details.

**FINAL STABILIZATION**

The contractor must ensure final stabilization of the entire site. SWPPP Narrative for additional details.

**PROJECT**

New East Bethel Temple  
Wat Lao Xayabhoummaram

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REVISION 4: 10/19/2022

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AHR Construction Corp

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DATE 10/19/2022

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Douglas K. Whitney, P.E. License # 15910  
Date: October 19, 2022

Stormwater Pollution Prevention  
Plan (SWPPP)

C7



PROJECT

New East Bethel Temple  
Wat Lao Xayabhoummaram

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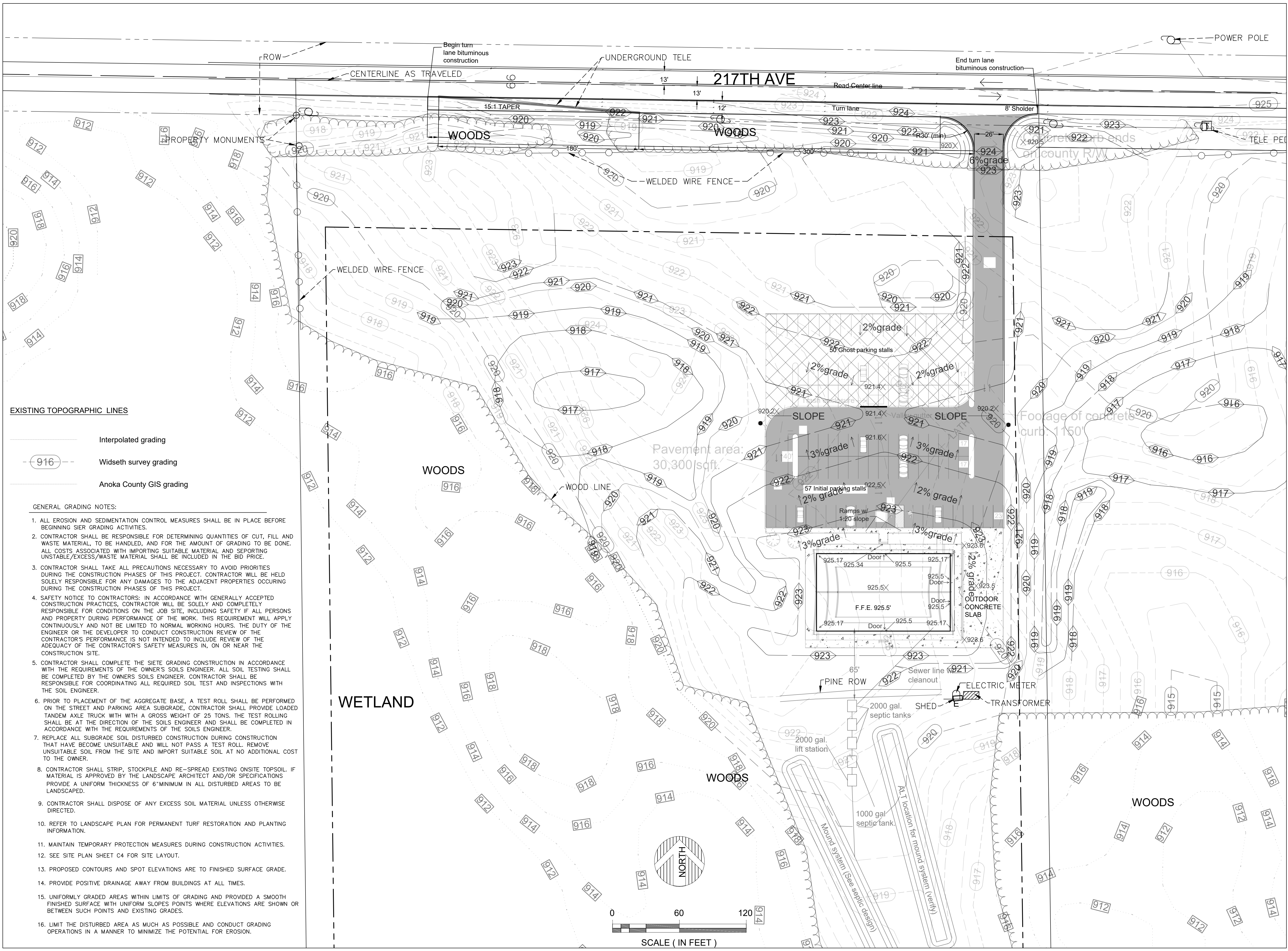
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*Douglas K. Whitney*

Douglas K. Whitney, P.E. License # 15910  
Date: October 19, 2022

Grading Plan

C8





PROJECT

New East Bethel Temple  
Wat Lao Xayabhoummaram

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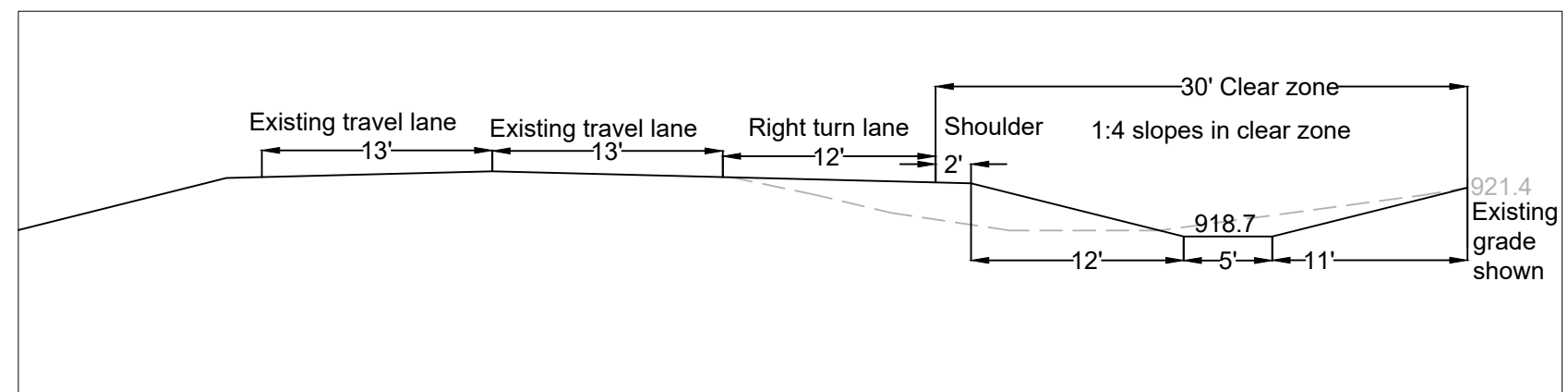
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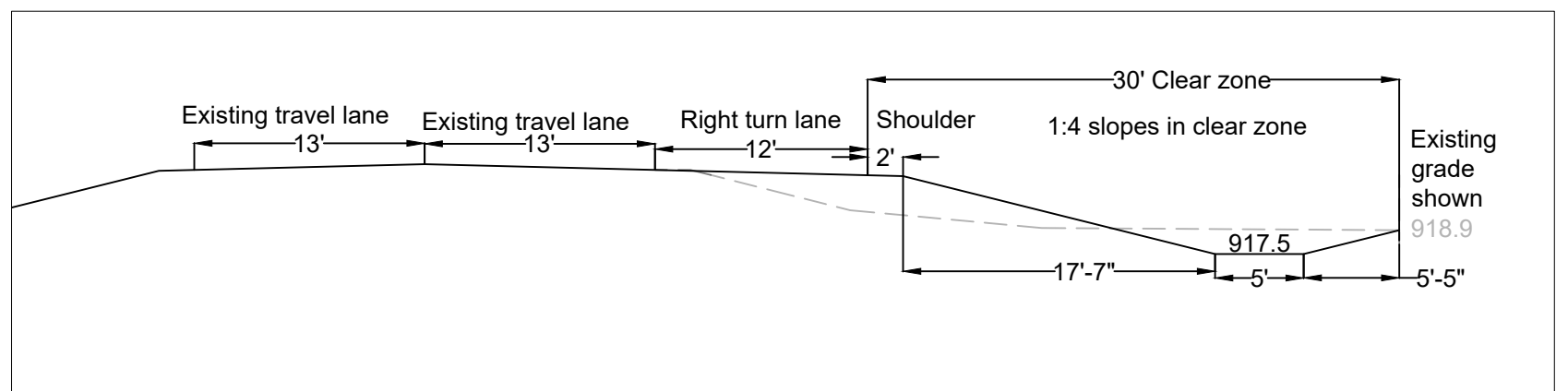
Douglas K. Whitney, P.E. License # 15910  
Date: October 19, 2022

Grading Plan  
(Right turn lane)

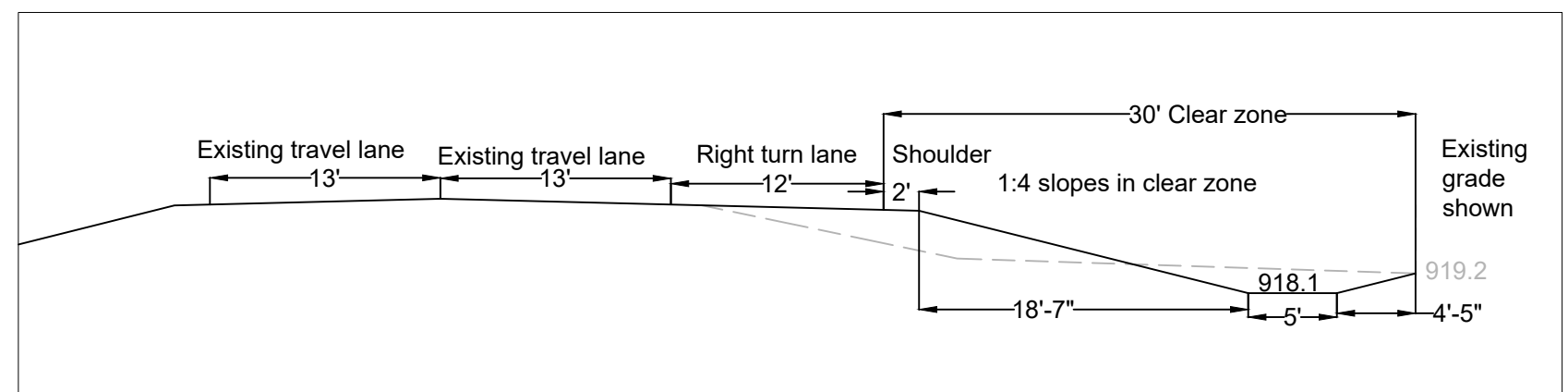
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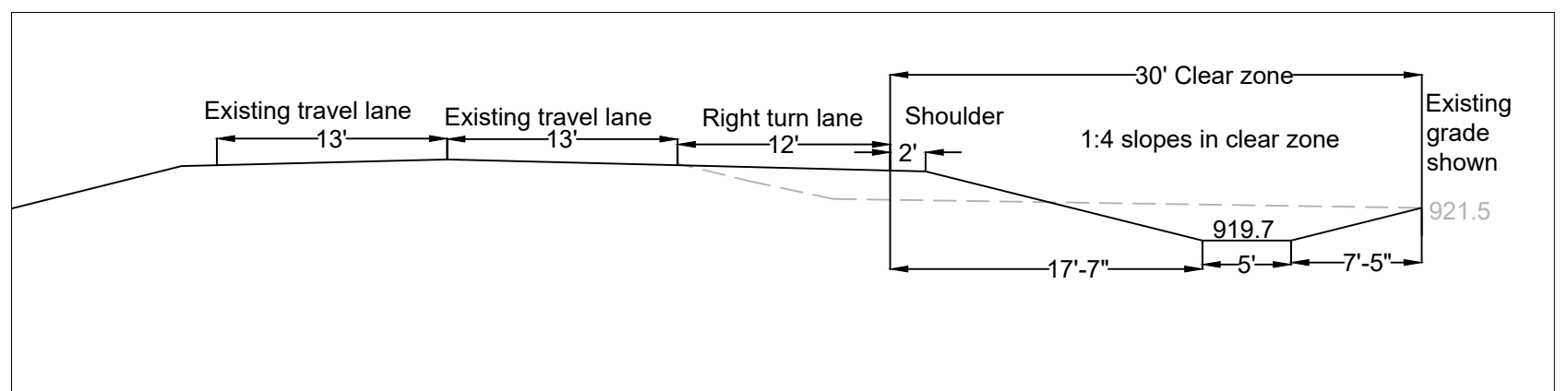
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S8.1 Scale : 1" = 10'



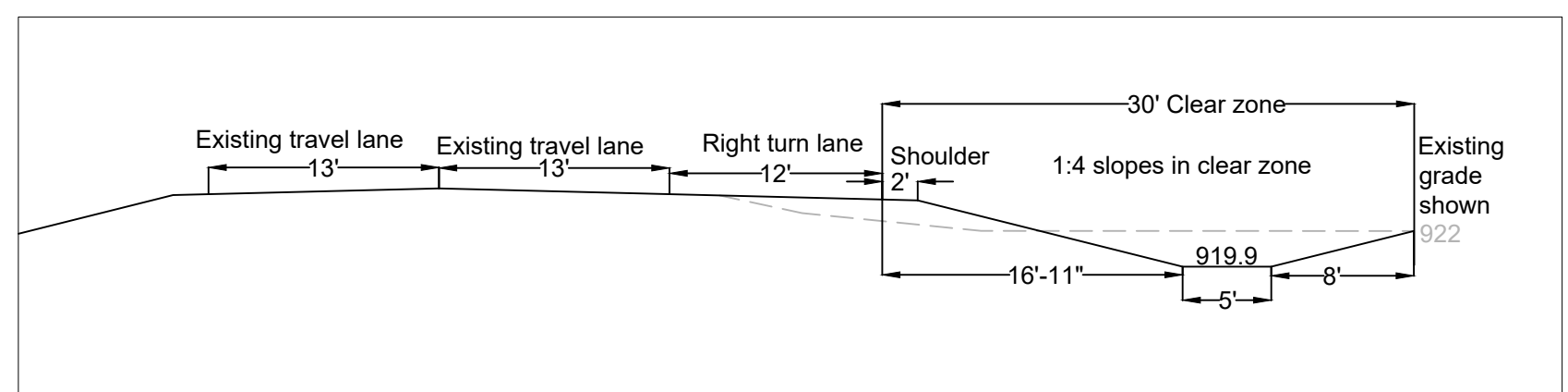
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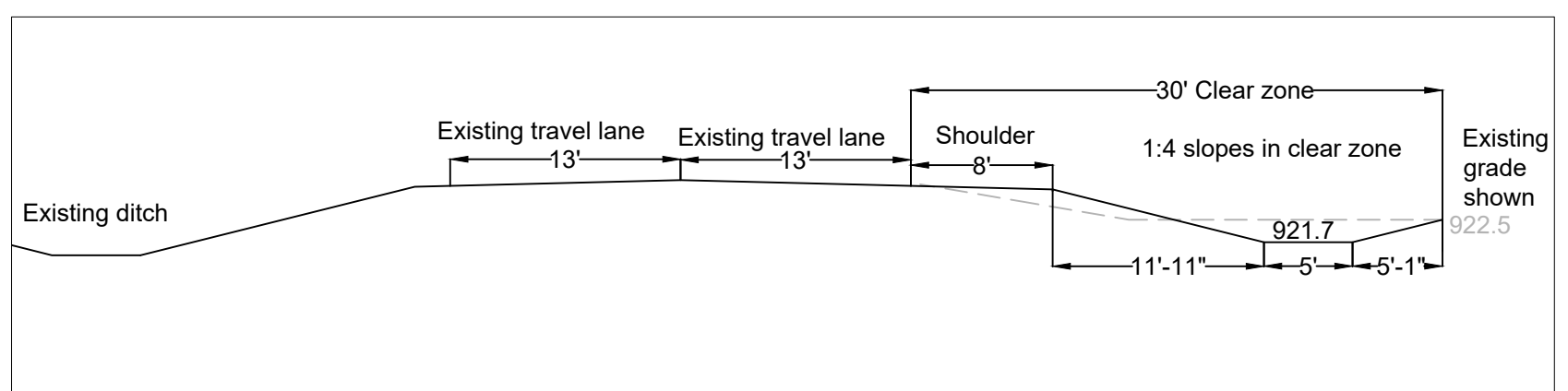
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S8.1 Scale : 1" = 10'



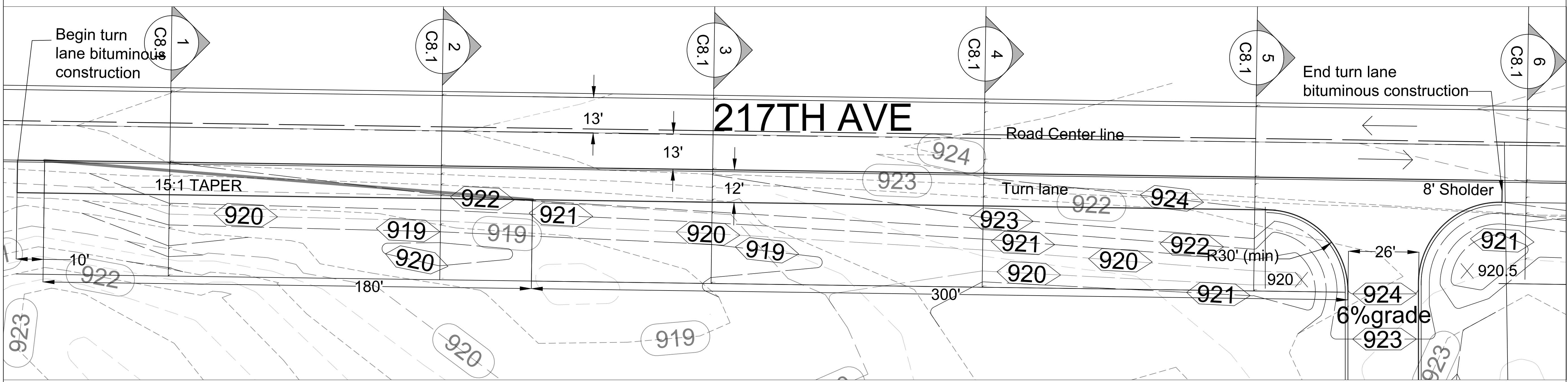
4 Turn lane section 4  
S8.1 Scale : 1" = 10'



5 Turn lane section 5  
S8.1 Scale : 1" = 10'



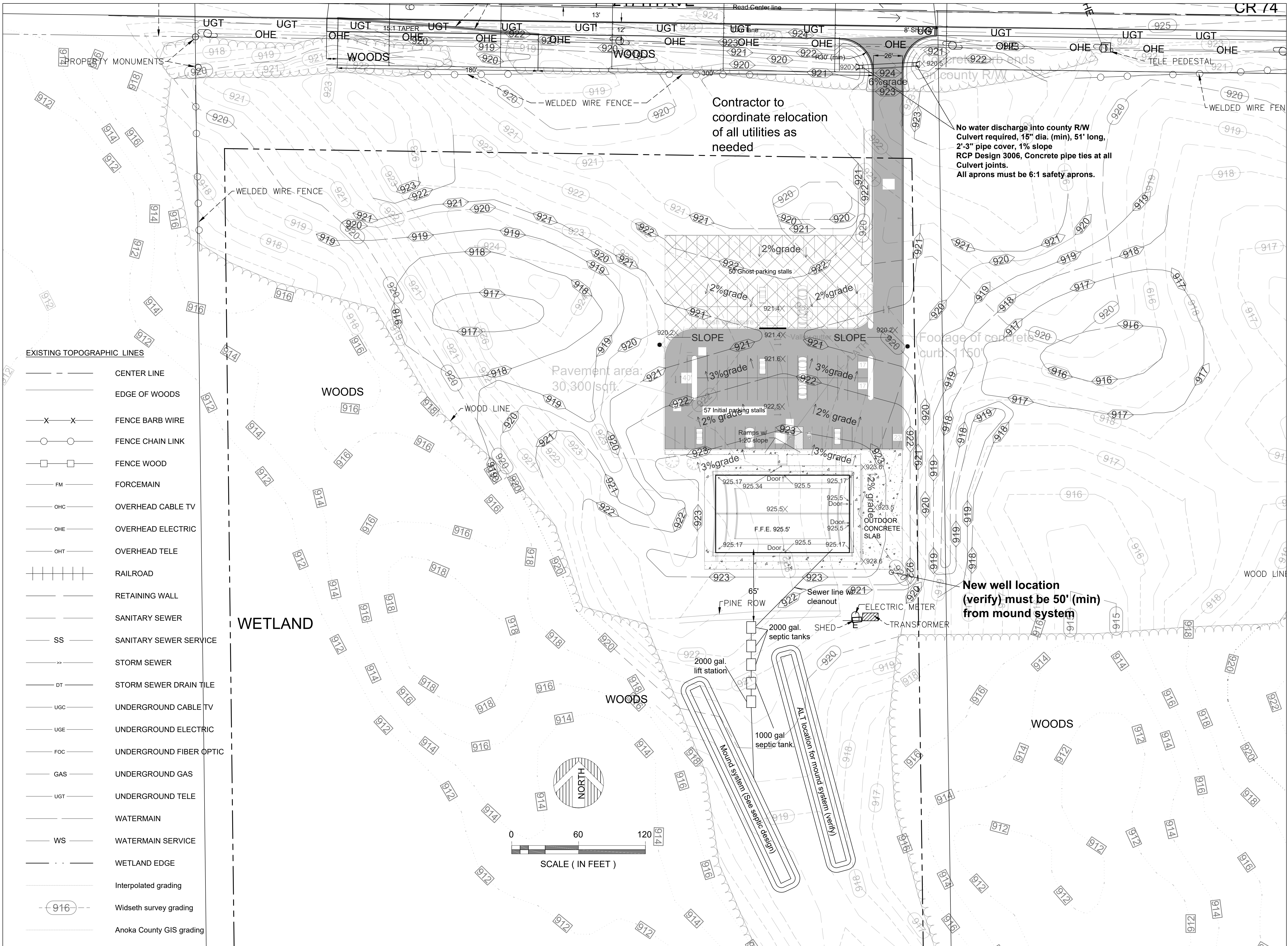
6 Turn lane section 6  
S8.1 Scale : 1" = 10'



7 New turn lane detail  
C8.1 Scale : 1" = 20'







PROJECT

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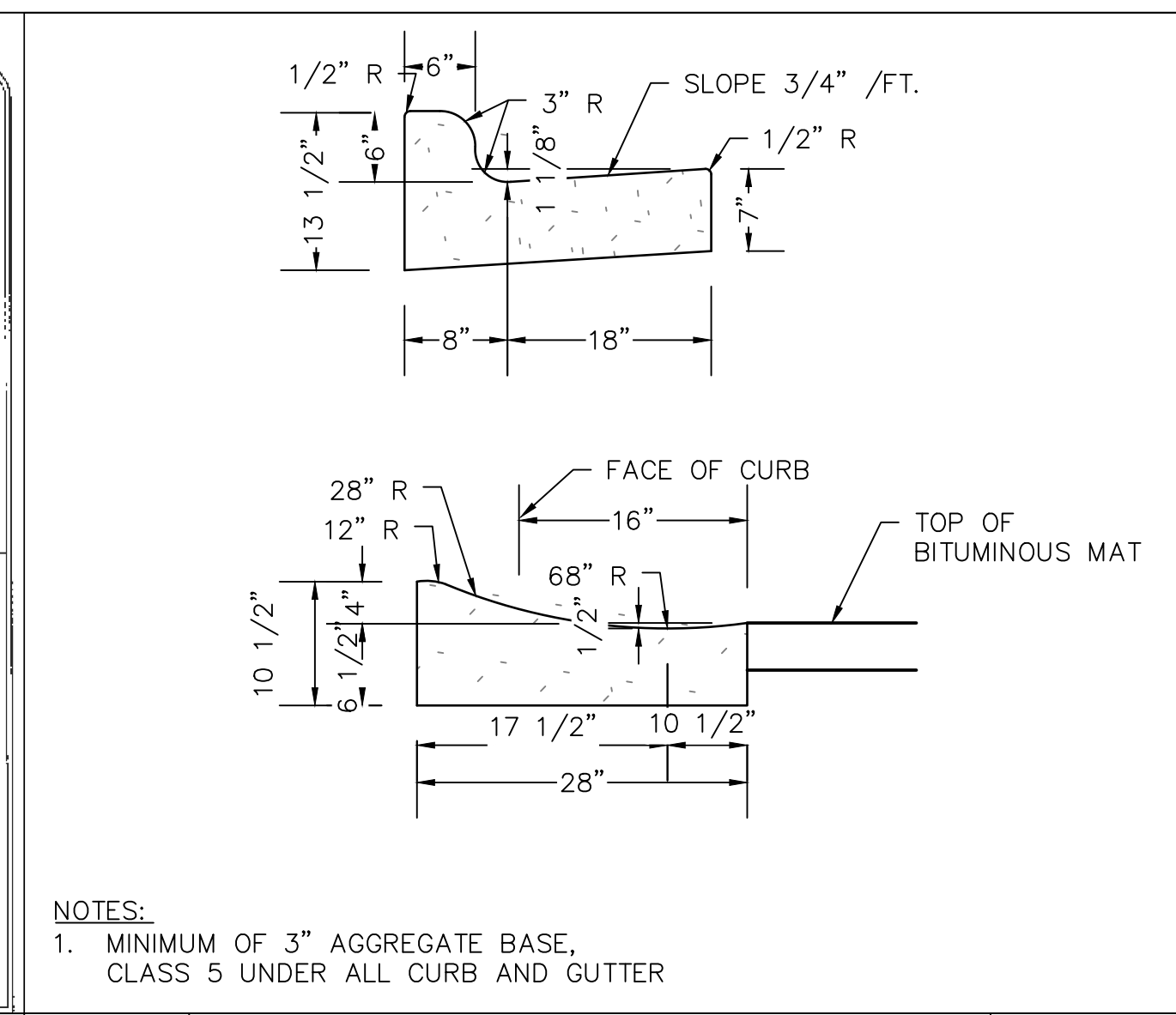
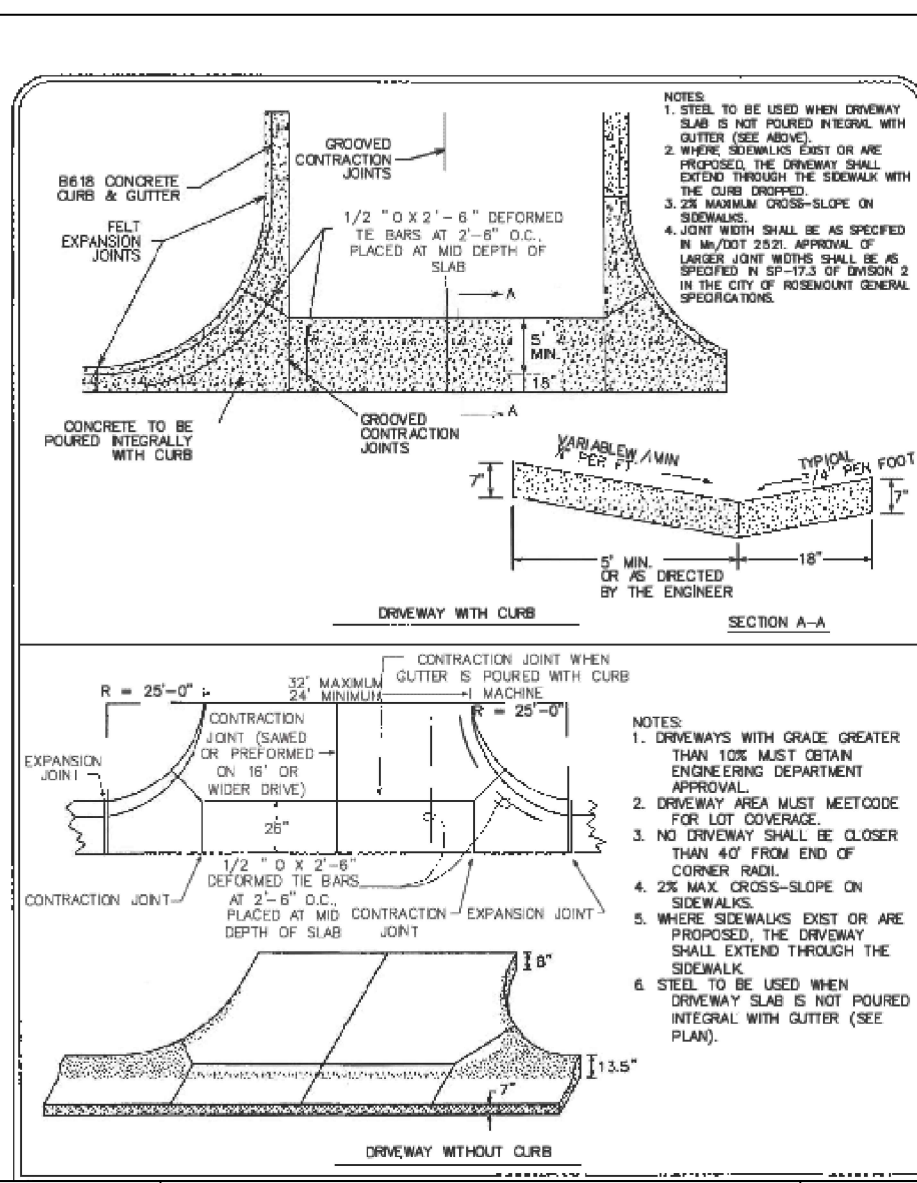
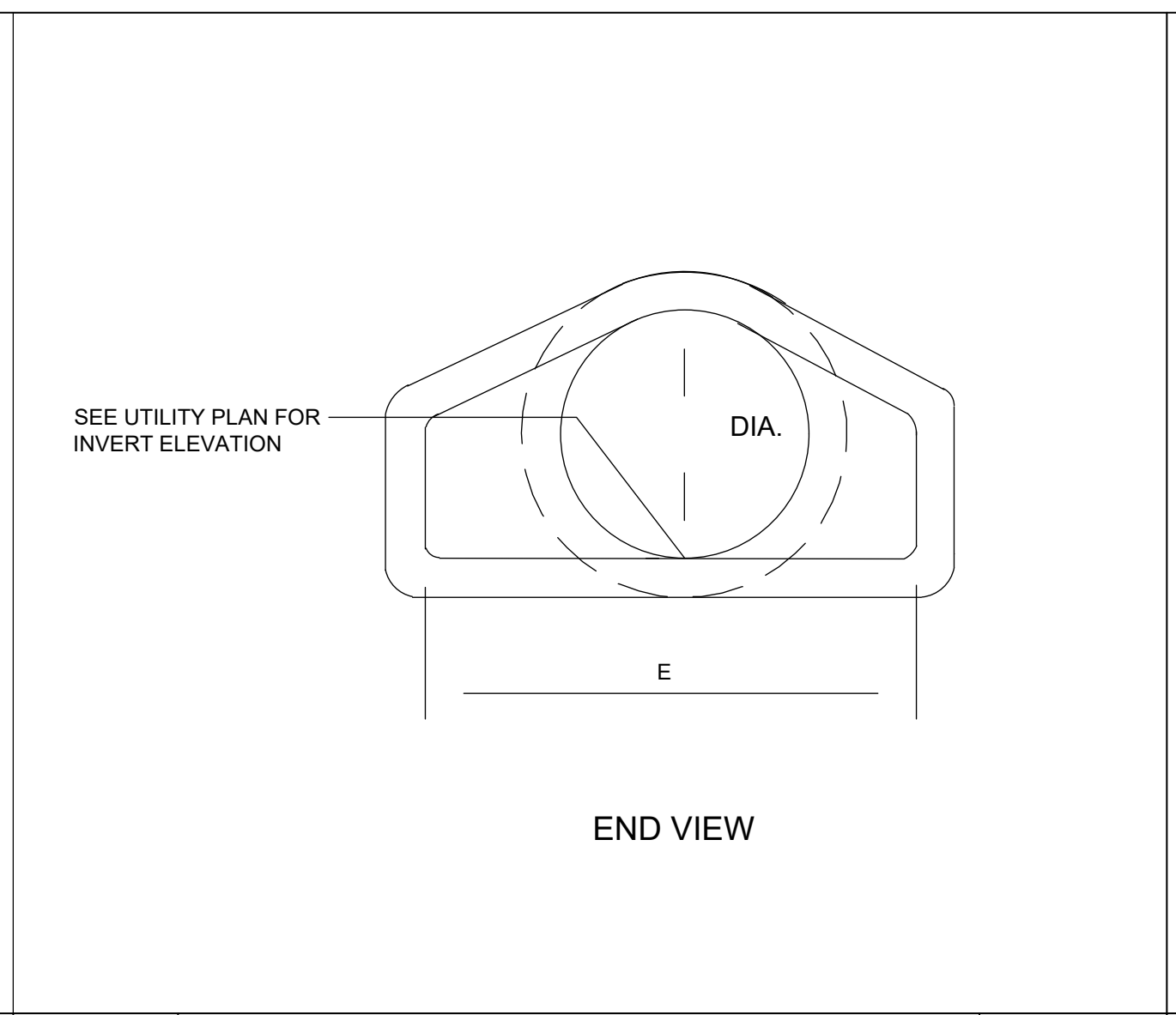
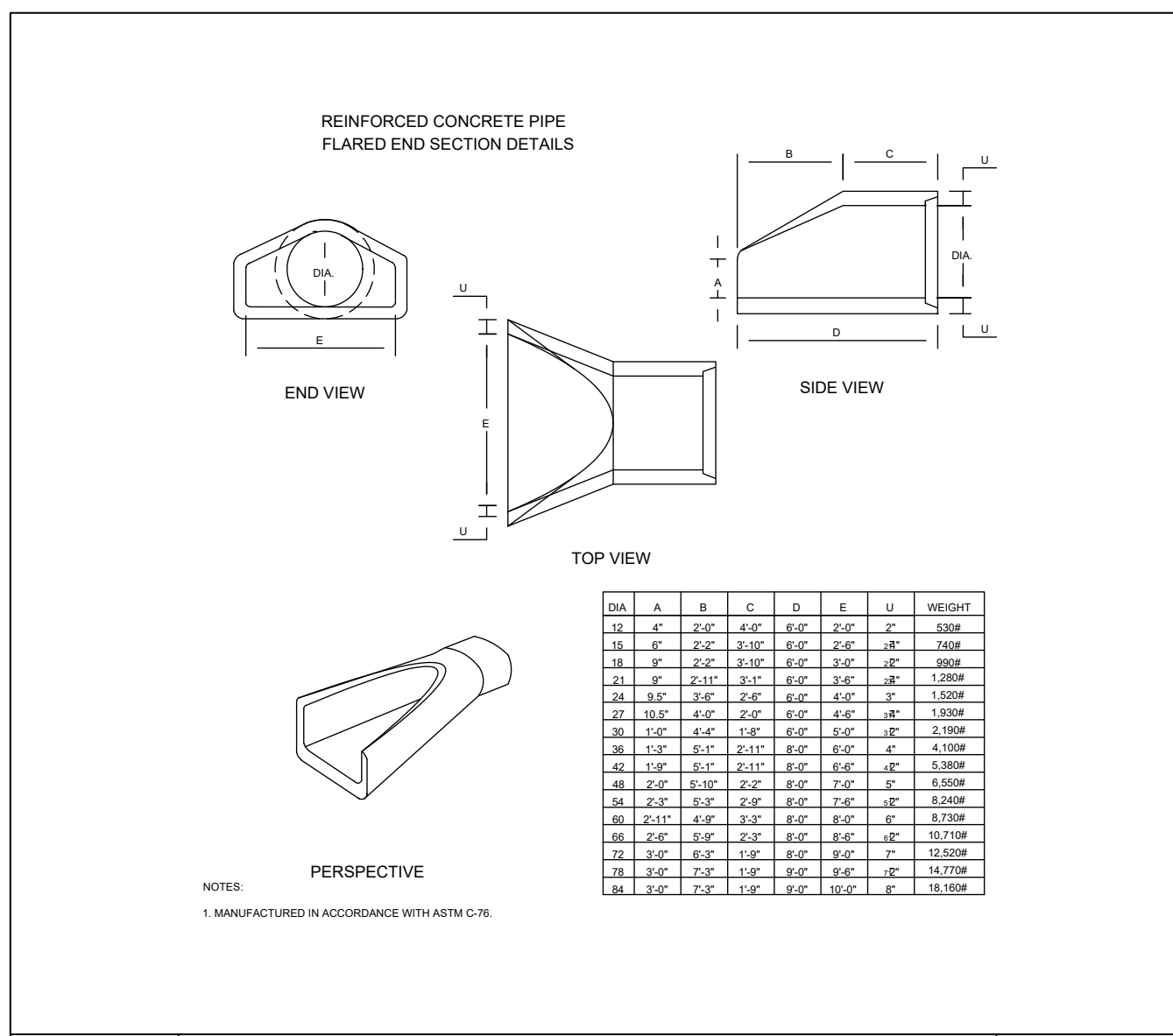
*Douglas K. Whitney*

Douglas K. Whitney, P.E. License # 15910  
Date: October 19, 2022

Utility Plan

C9



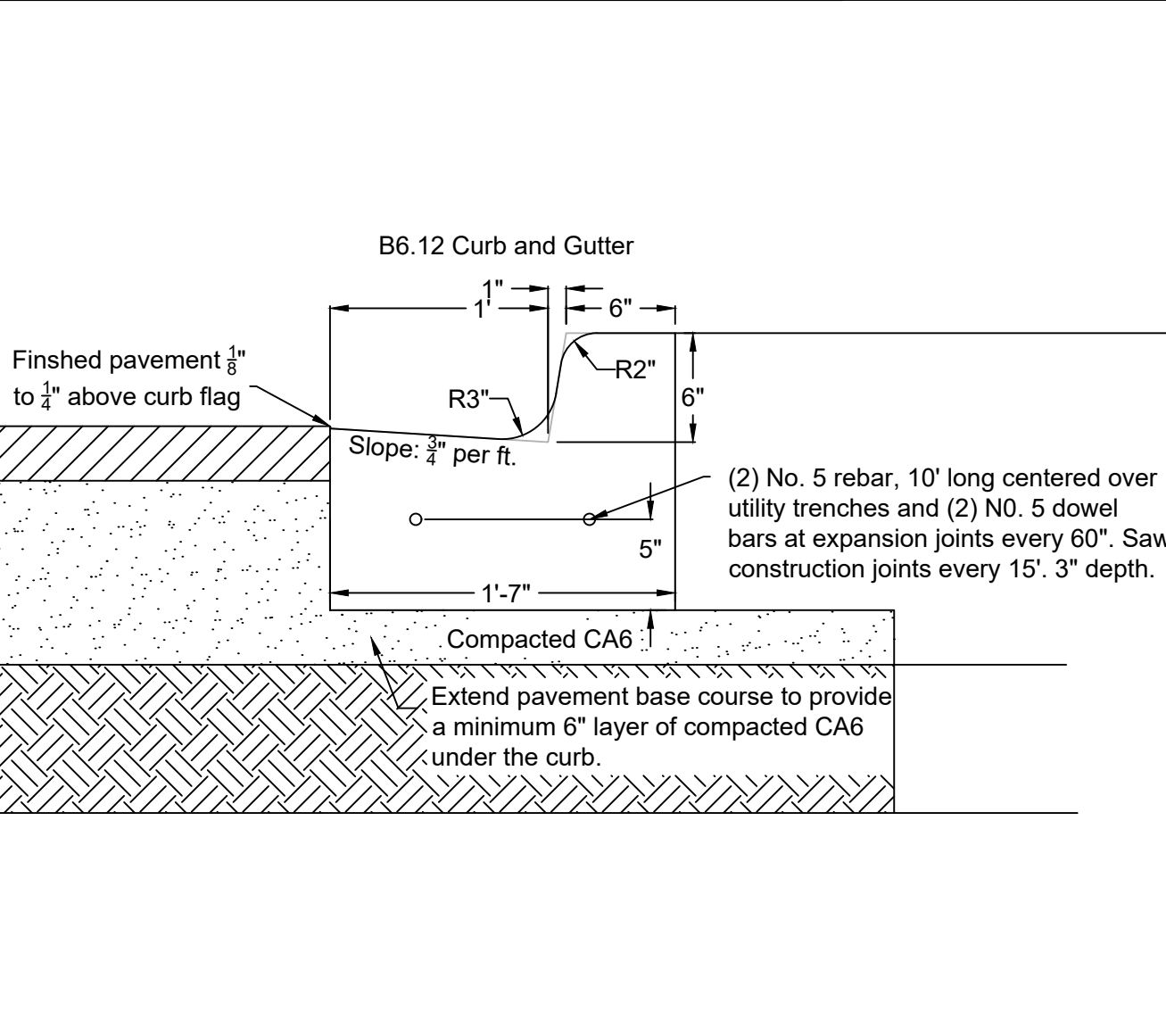
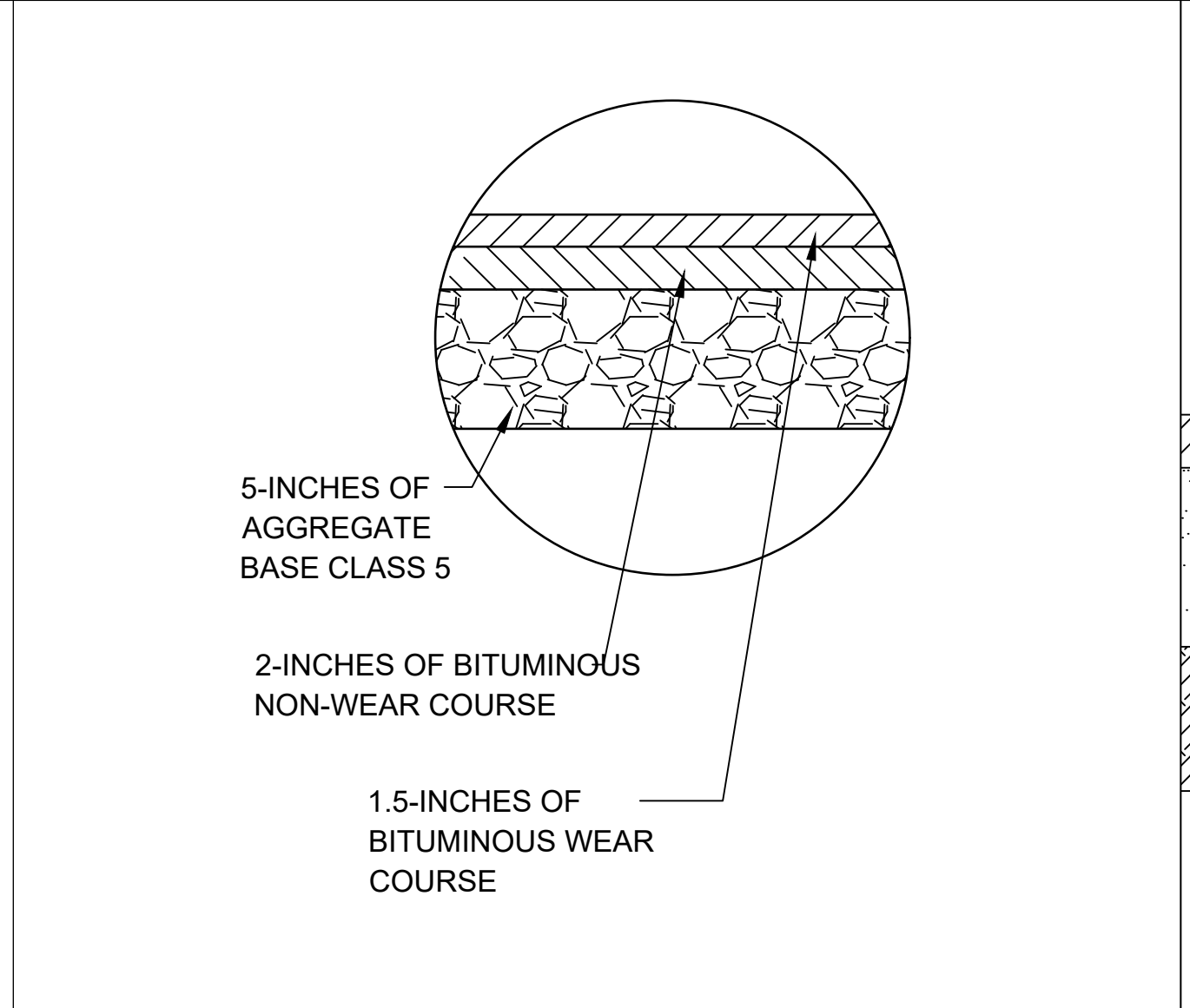
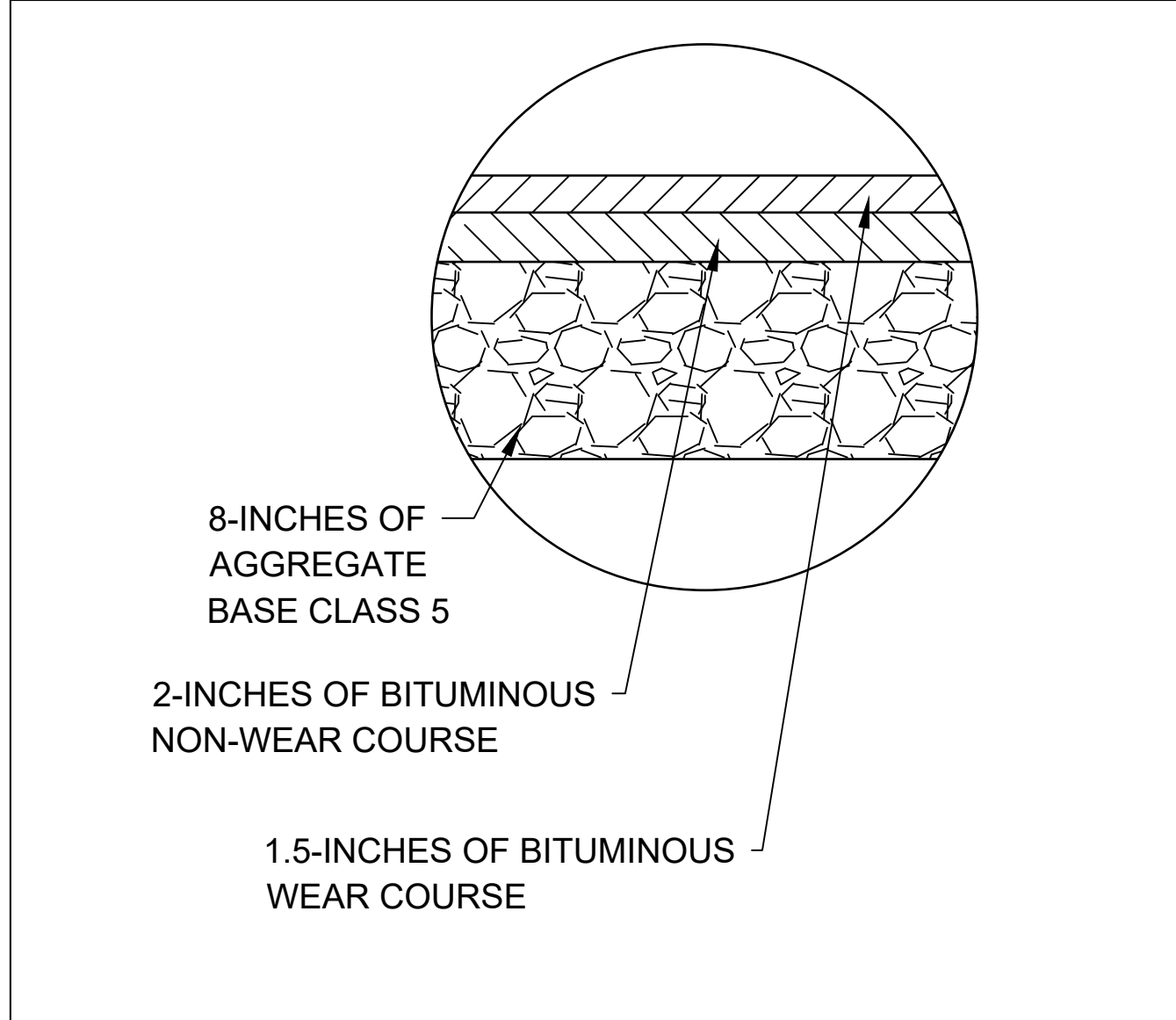


STM 1-C10	<b>STORM SEWER</b> REINFORCED CONCRETE PIPE FLARED END SECTION DETAIL	DRAWN BY: KG SCALE: NTS BECKLIN & WHITNEY CONSULTING ENGINEERS
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STM 2-C10	<b>STORM SEWER</b> END VIEW OF REINFORCED CONCRETE PIPE FLARED END SECTION DETAIL	DRAWN BY: KG SCALE: NTS BECKLIN & WHITNEY CONSULTING ENGINEERS
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SITE 3-C10	<b>CIVIL SITE</b> COMMERCIAL/MULTI-FAMILY INDUSTRIAL DRIVEWAY	SCALE: NTS BECKLIN & WHITNEY CONSULTING ENGINEERS
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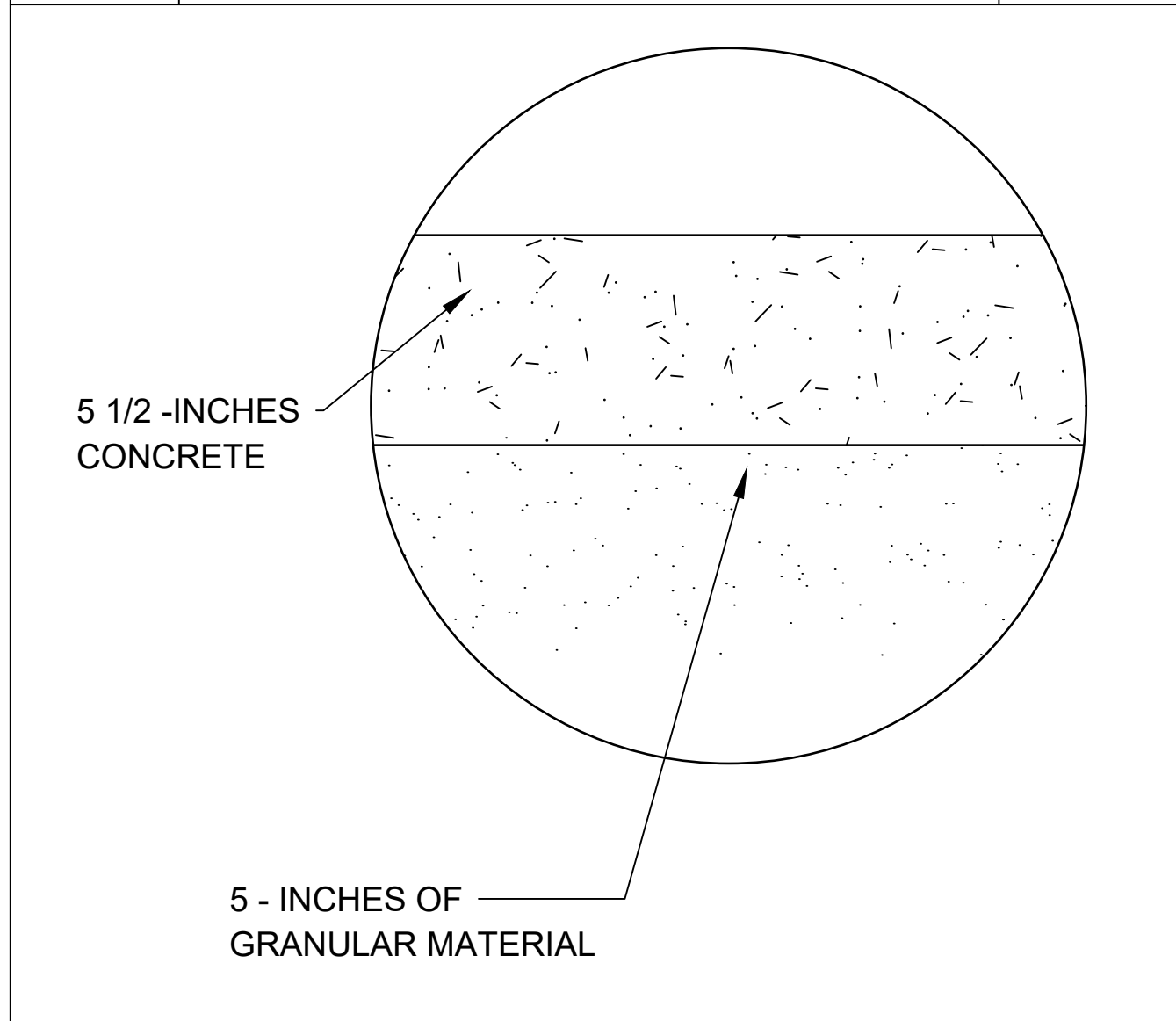
SITE 4-C10	<b>CIVIL SITE</b> CONCRETE CURB & CURB	DRAWN BY: KG SCALE: NTS BECKLIN & WHITNEY CONSULTING ENGINEERS
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SITE 5-C10	<b>CIVIL SITE</b> DRIVE LANE SECTION	DRAWN BY: KG SCALE: NTS BECKLIN & WHITNEY CONSULTING ENGINEERS
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SITE 6-C10	<b>CIVIL SITE</b> PARKING SECTION	DRAWN BY: KG SCALE: NTS BECKLIN & WHITNEY CONSULTING ENGINEERS
------------	--------------------------------------	---

SITE 7-C10	<b>CIVIL SITE</b> B6.12 Curb and Gutter for parking islands	DRAWN BY: DU SCALE: NTS BECKLIN & WHITNEY CONSULTING ENGINEERS
------------	--	---



SITE 8-C10	<b>CIVIL SITE</b> CONCRETE SIDEWALK SECTION	DRAWN BY: KG SCALE: NTS BECKLIN & WHITNEY CONSULTING ENGINEERS
------------	--	---

**PROJECT**

New East Bethel Temple  
Wat Lao Xayabhoummaram

---

**REVISIONS**

REVISION 1: 6/17/2022  
REVISION 2: 7/20/2022  
REVISION 3: 10/03/2022  
REVISION 4: 10/19/2022

---

**PROJECT ADDRESS**

4722 217th Avenue NE, East  
Bethel, MN 55011

---

**CUSTOMER INFORMATION**

Owner:  
Wat Lao Xayabhoummaram

Contractor:  
Diego Bernal  
612-407-0154  
612-806-1023  
diegofer1969@gmail.com  
Land Construction LLC  
AHR Construction Corp

Architect:  
HL Architects  
320-237-7411  
hlarchitects2000@gmail.com  
5111th Ave. S,  
Waite Park, MN 56387

**Becklin & Whitney**  
Consulting Engineers

---

DATE: 10/19/2022  
DRAWN BY: Devonte Johnson

Becklin & Whitney  
Consulting Engineers, Inc.  
139 1st Ave. E, Suite 100  
P.O. Box 471  
Cambridge, MN 55008  
Ph: 763-689-5631  
office.becklinwhitney@gmail.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 REGISTERED  
PROFESSIONAL ENGINEER UNDER THE LAWS  
OF THE STATE OF MINNESOTA.

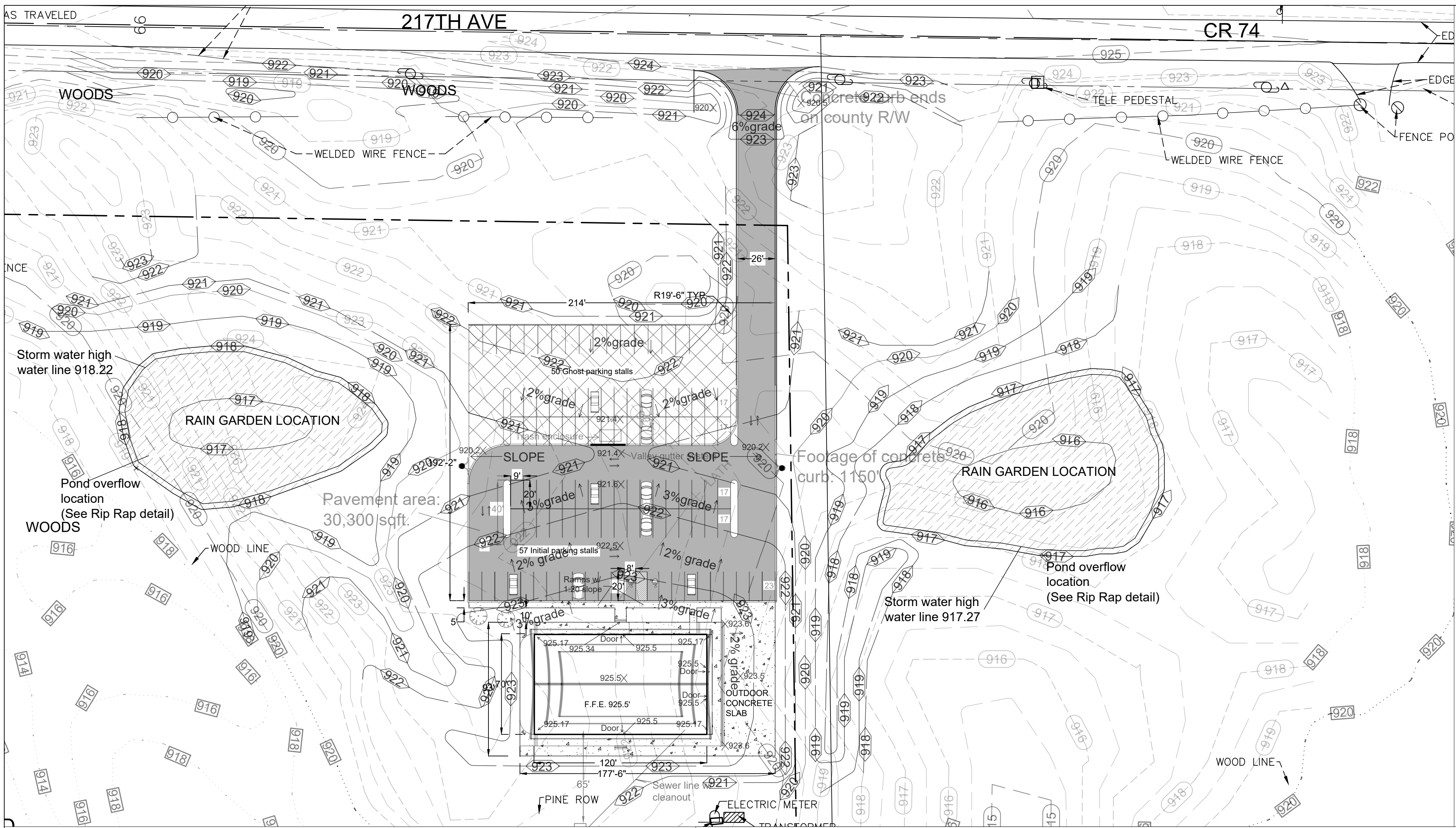
Douglas K. Whitney, P.E. License # 15910  
Date: October 19, 2022

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Details  
**C10**

Page Size: 22 x 34





PROJECT  
 New East Bethel Temple  
 Wat Lao Xayabhoummaram

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DATE 10/19/2022  
 DRAWN BY: Devonte Johnson

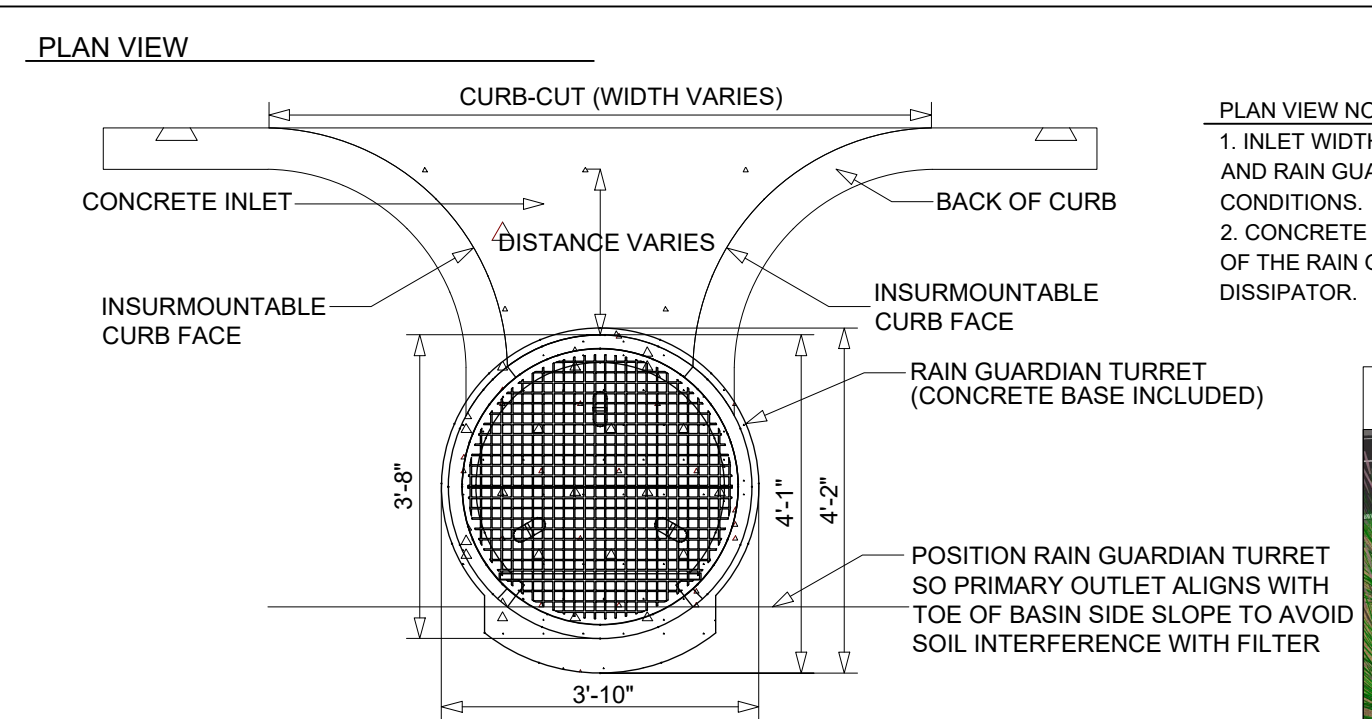
Becklin & Whitney  
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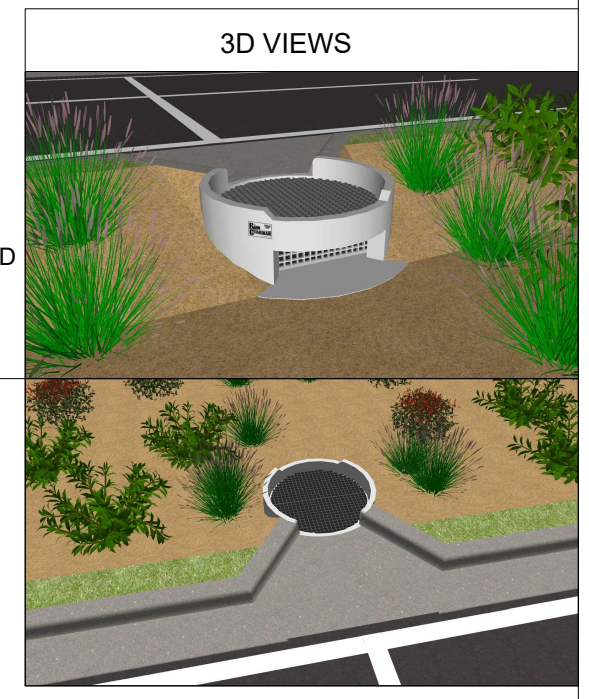
*Douglas K. Whitney*

Douglas K. Whitney, P.E. License # 15910  
 Date: October 19, 2022

Rain garden details  
 C I I  
 Page Size: 22 x 34

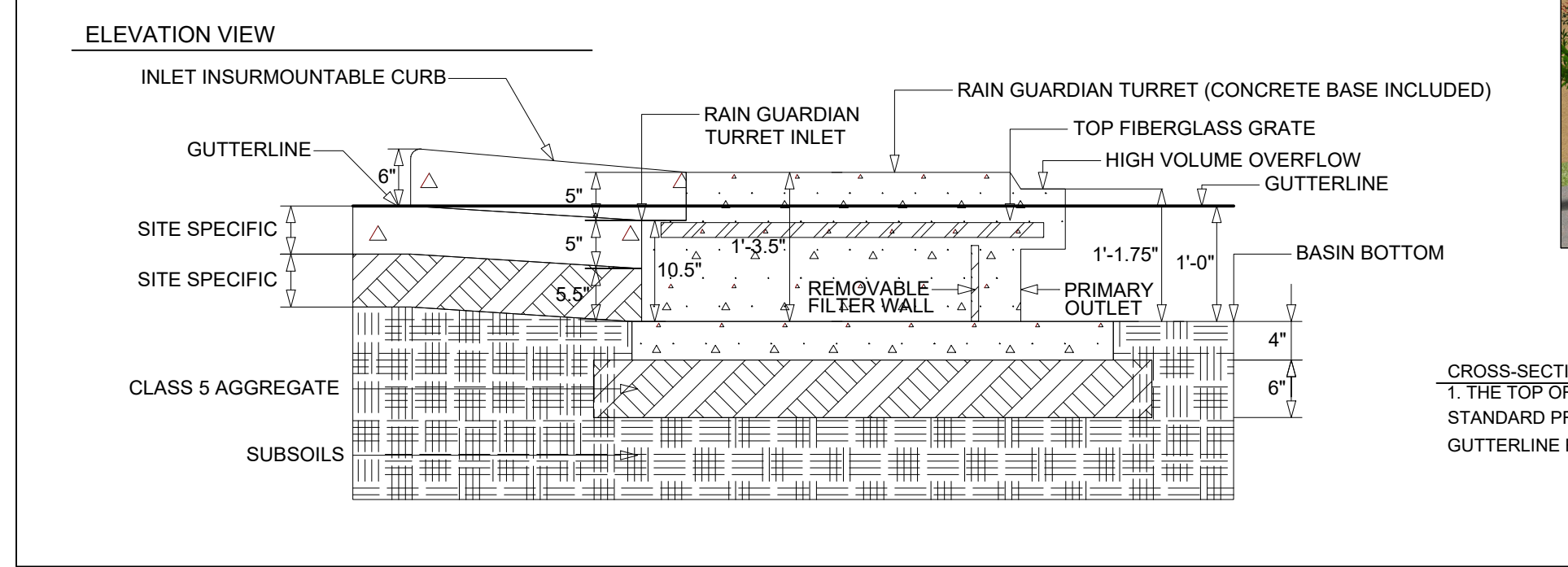


PLAN VIEW NOTES  
 1. INLET WIDTH AND DISTANCE BETWEEN BACK OF CURB AND RAIN GUARDIAN TURRET MAY VARY WITH SITE CONDITIONS.  
 2. CONCRETE BASE EXTENDS BEYOND THE FILTER WALL OF THE RAIN GUARDIAN TURRET TO SERVE AS A SPLASH DISSIPATOR.



SPECIFICATIONS  
 1. STEEL REINFORCED, COLD JOINT SECURED MONOLITHIC CONCRETE STRUCTURE (1,030 LBS). CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS. CONCRETE AIR ENTRAINMENT (4% TO 8% BY VOLUME), MANUFACTURED AND DESIGNED TO ASTM C885.  
 2. THREE-POINT PICK USING RECESSED LIFTING POCKETS WITH A STANDARD HOOK.  
 3. TWO-PIECE FIBERGLASS TOP GRATE (16 LBS/PIECE, 1-1/2" THICK) - 1,760 LB CONCENTRATED LOAD OR 409 LB/SQ-FT UNIFORM LOAD.

INSTALLATION NOTES  
 1. INSTALL THE CLASS 5 BASE (COMPACTED TO 95% STANDARD PROCTOR). THE DISTANCE FROM THE BACK OF THE CURB MAY VARY BASED ON SITE CONDITIONS, BUT CONSIDERATIONS SHOULD INCLUDE SLOPE OF THE INLET AND BASIN SIDE SLOPES ADJACENT TO THE RAIN GUARDIAN TURRET. POSITION RAIN GUARDIAN TURRET SO PRIMARY OUTLET ALIGNS WITH TOE OF BASIN SIDE SLOPE TO AVOID SOIL INTERFERENCE WITH REMOVABLE FILTER WALL. EXCAVATE 1' 10" BELOW THE GUTTERLINE ELEVATION (I.E. THE BIORETENTION OVERFLOW ELEVATION) TO ACCOMMODATE THE 1" PONDING DEPTH, 6" CLASS 5 AGGREGATE, AND 4" RAIN GUARDIAN TURRET BASE (INCLUDED). THEREFORE, THE TOP OF THE CLASS 5 COMPACTED BASE IS PRECISELY 1' 4" BELOW THE GUTTERLINE ELEVATION. THE INLET TO THE RAIN GUARDIAN TURRET WILL BE 10-1/2" ABOVE THE TOP OF THE CONCRETE BASE AND 1-1/2" BELOW THE GUTTERLINE ELEVATION TO ACCOMMODATE A SLOPED INLET FROM THE GUTTER TO THE RAIN GUARDIAN TURRET.  
 2. SET RAIN GUARDIAN TURRET ON THE PREPARED CLASS 5 BASE.  
 3. INSTALL FRAMING FOR INLET BETWEEN RAIN GUARDIAN TURRET AND BACK OF CURB. TOP ELEVATIONS OF THE FRAMING SHOULD MATCH THE TOP OF THE CURB ON THE STREET SIDE AND THE TOP OF THE RAIN GUARDIAN TURRET ON THE BIORETENTION SIDE.  
 4. INSTALL EXPANSION/CONTRACTION JOINT MATERIAL OR A SHEET OF POLY TO SERVE AS A BOND BREAK BETWEEN RAIN GUARDIAN TURRET AND CONCRETE INLET BEFORE POURING INLET.  
 5. SIDE CURBS OF THE POURED INLET MUST HAVE AN INSURMOUNTABLE PROFILE TO PREVENT WATER FLOW FROM OVERTOPPING THE DOWNSTREAM SIDE OF THE INLET.  
 6. REMOVABLE FILTER WALL SHOULD BE INSTALLED WITH FILTER FABRIC FACING THE RAIN GUARDIAN TURRET INLET.



CROSS-SECTION VIEW NOTES  
 1. THE TOP OF THE CLASS 5 BASE (COMPACTED TO 95% STANDARD PROCTOR) IS PRECISELY 1' 4" BELOW THE GUTTERLINE ELEVATION.

MANUFACTURED BY: FORTERRA Structural & Specialty



PROJECT

New East Bethel Temple  
Wat Lao Xayabhoummaram

REVISIONS

- REVISION 1: 6/17/2022
- REVISION 2: 7/20/2022
- REVISION 3: 10/05/2022
- REVISION 4: 10/19/2022

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DATE: 10/19/2022  
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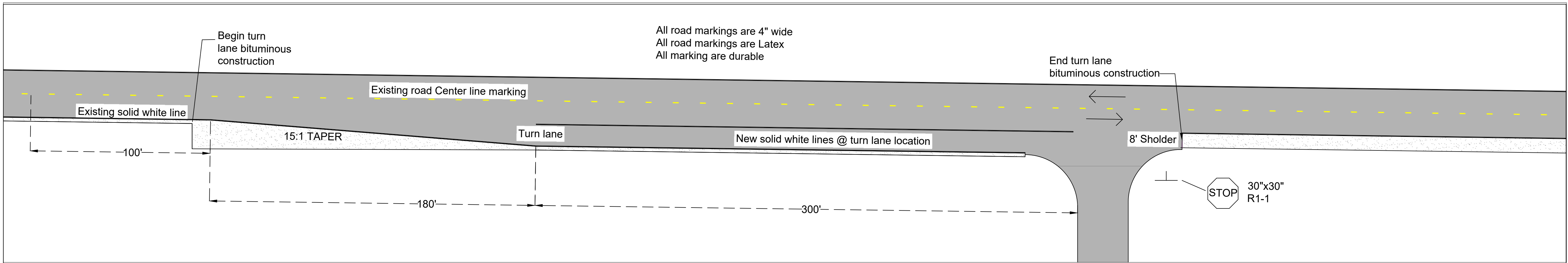
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*Douglas K. Whitney*

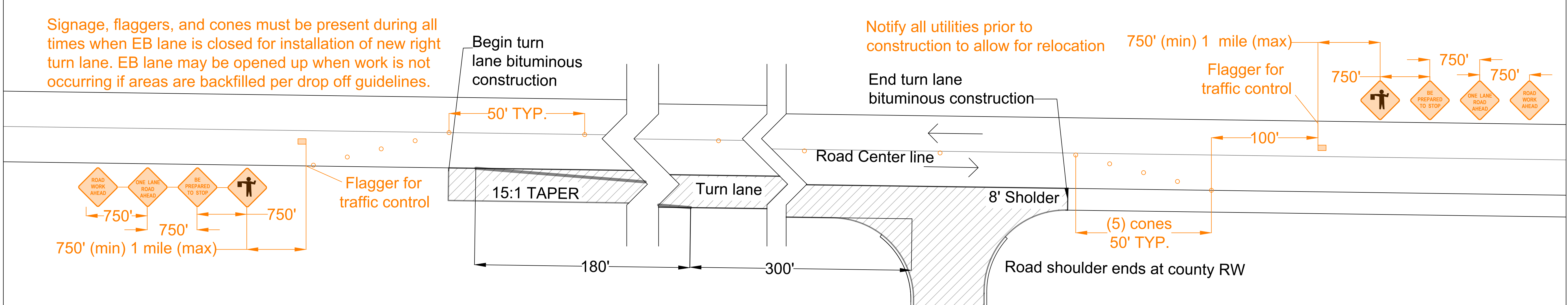
Douglas K. Whitney, P.E. License # 15910  
Date: October 19, 2022

Traffic control plan

C12



1 New turn lane markings  
C12 Scale : 1" = 30'



2 Required temporary signage  
C12 Scale : NO SCALE

**ANOKA COUNTY HIGHWAY DEPARTMENT**

SAWCUT BITUMINOUS

EXIST. TRAVEL LANE

12"

12"

BYPASS/TURN LANE (MIN)

6" 6"

2.5%

FINISHED GRADE (TYP)

SUITABLE MATERIAL

4

1

CLASS 5 P.I.

GRADING P.I.

GRADING GRADE (TYP)

ADT <= 5,000	ADT < ADT <= 10,000	ADT > 10,000
2.0" SPWEB340C	1.5" SPWEB340E	2.0" SPWEB340F
2.0" SPWEB340C	1.5" SPWEB340E	2.0" SPWEB340F
N/A	2.0" SPWEB340E	2.0" SPWEB340F
6.0" CLASS 5	CLASS 5	CLASS 5

MIX DESIGN (2360 SPEC)

ALL DISTURBED SOIL MUST BE SEED, MULCHED, AND DISK ANCHORED IN ACCORDANCE WITH MNDOT STANDARD SPECIFICATIONS. RAPID-DEGRADABLE STRAW BLANKET SHALL BE USED IN AREAS OF HIGH EROSION.

ANOKA COUNTY

Base and Bituminous Construction Detail

NOT TO SCALE

DETAIL A  
September 2019

3 Base and bituminous construction details  
C12 Scale : NO SCALE

**Traffic control notes**

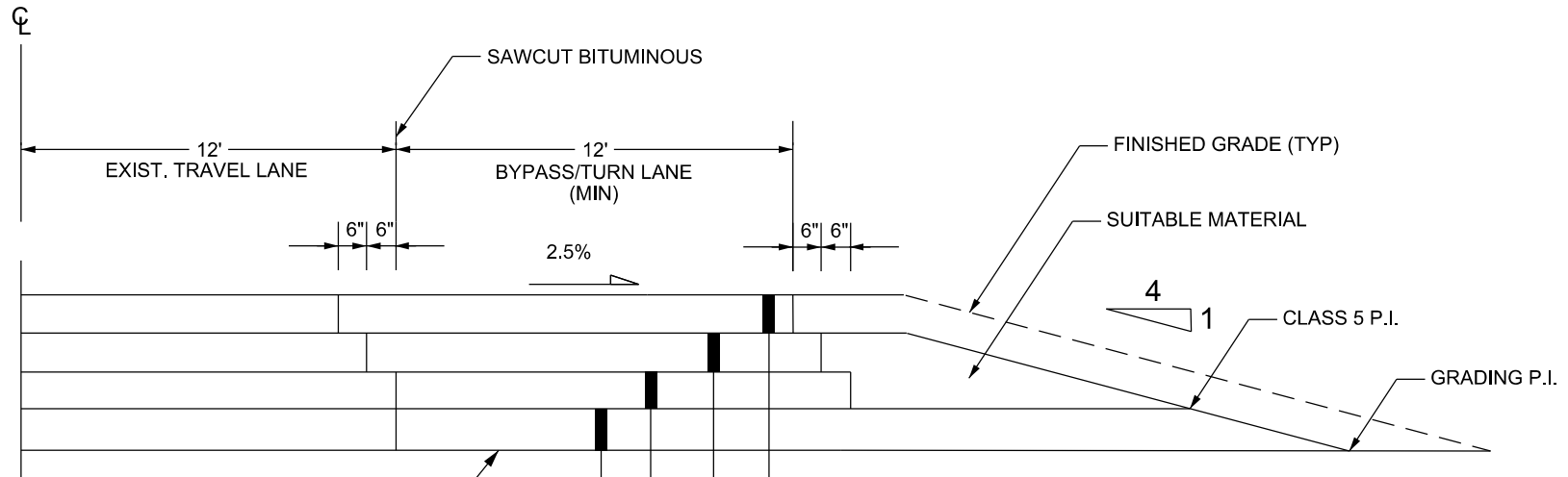
All construction must conform with MnDOT Road Design Manual.

800AADT used for roadway design  
Design vehicle: WB-50  
55MPH posted speed limit for area  
Site distance: 285' per 5-2.02.02.01

0.5% (min) grade for highways  
0.5% grade for first 25' of landing  
6% (max) grade for entrance

CR74 Curb to match existing (no curb)

# ANOKA COUNTY HIGHWAY DEPARTMENT

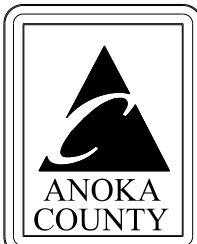


GRADING GRADE (TYP)

ADT <= 5,000	5,000 < ADT <= 10,000	ADT > 10,000
2.0" SPWEB340C	1.5" SPWEB340E	2.0" SPWEB340F
2.0" SPWEB340C	1.5" SPWEB340E	2.0" SPWEB340F
N/A	2.0" SPNW330B	2.0" SPNW330B
6.0" CLASS 5	6.0" CLASS 5	6.0" CLASS 5

MIX DESIGN  
(2360 SPEC)

ALL DISTURBED SOIL MUST BE SEEDED, MULCHED, AND DISK ANCHORED IN ACCORDANCE WITH MN/DOT STANDARD SPECIFICATIONS. RAPID-DEGRADABLE STRAW BLANKET SHALL BE USED IN AREAS OF HIGH EROSION.



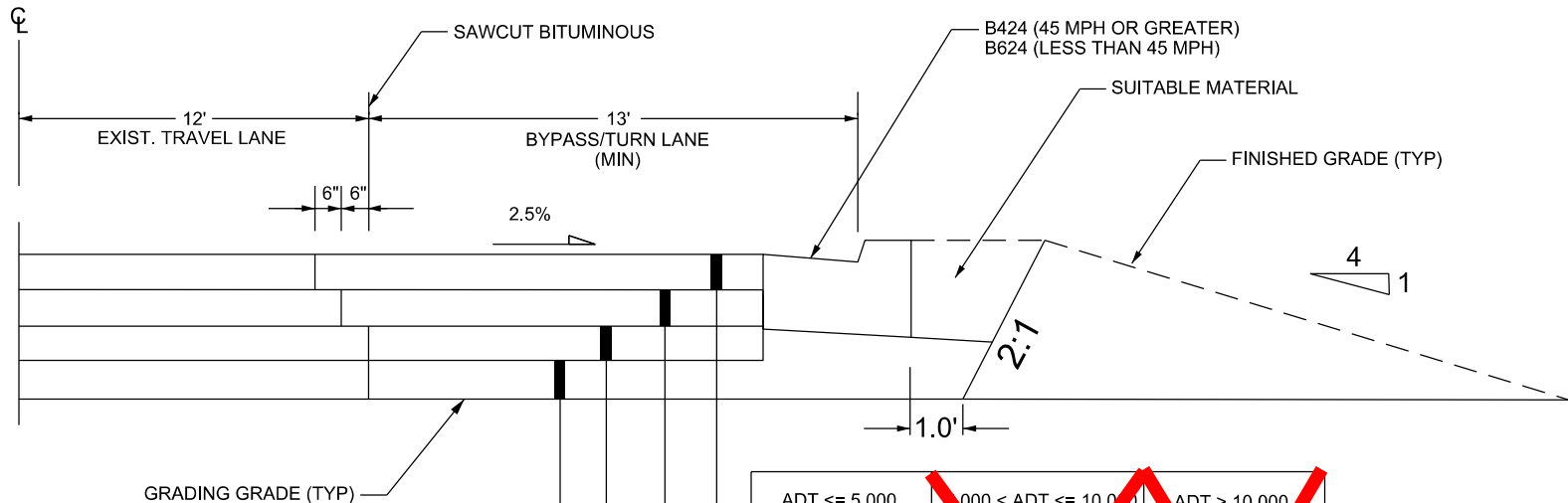
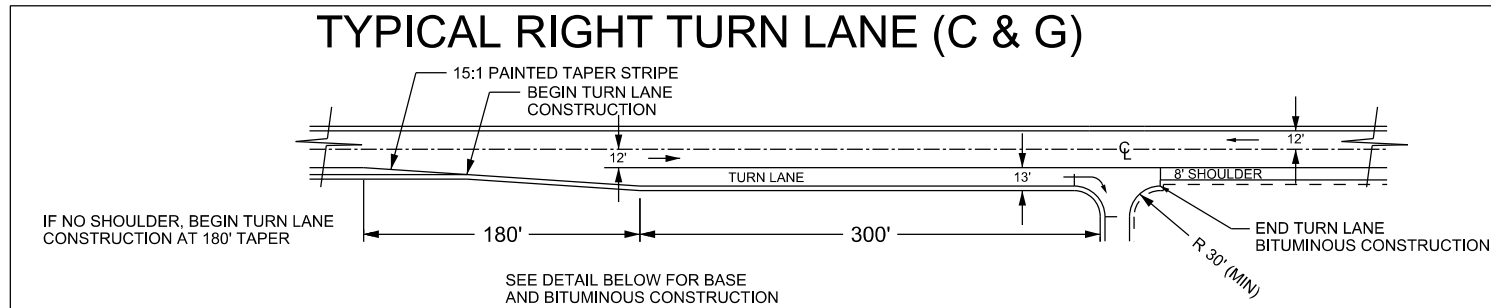
## Base and Bituminous Construction Detail

NOT TO SCALE

DETAIL A  
September 2019



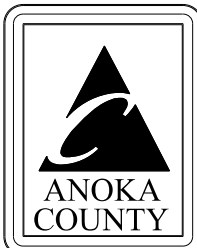
# ANOKA COUNTY HIGHWAY DEPARTMENT



ADT ≤ 5,000	5,000 < ADT ≤ 10,000	ADT > 10,000
2.0" SPWEB340C	1.5" SPWEB340E	2.0" SPWEB340F
2.0" SPWEB340C	1.5" SPWEB340E	2.0" SPWEB340F
N/A	2.0" SPNW330B	2.0" SPNW330B
6.0" CLASS 5	6.0" CLASS 5	6.0" CLASS 5

MIX DESIGN  
(2360 SPEC)

ALL DISTURBED SOIL MUST BE SEEDED, MULCHED, AND DISK ANCHORED IN ACCORDANCE WITH MN/DOT STANDARD SPECIFICATIONS. RAPID-DEGRADABLE STRAW BLANKET SHALL BE USED IN AREAS OF HIGH EROSION.

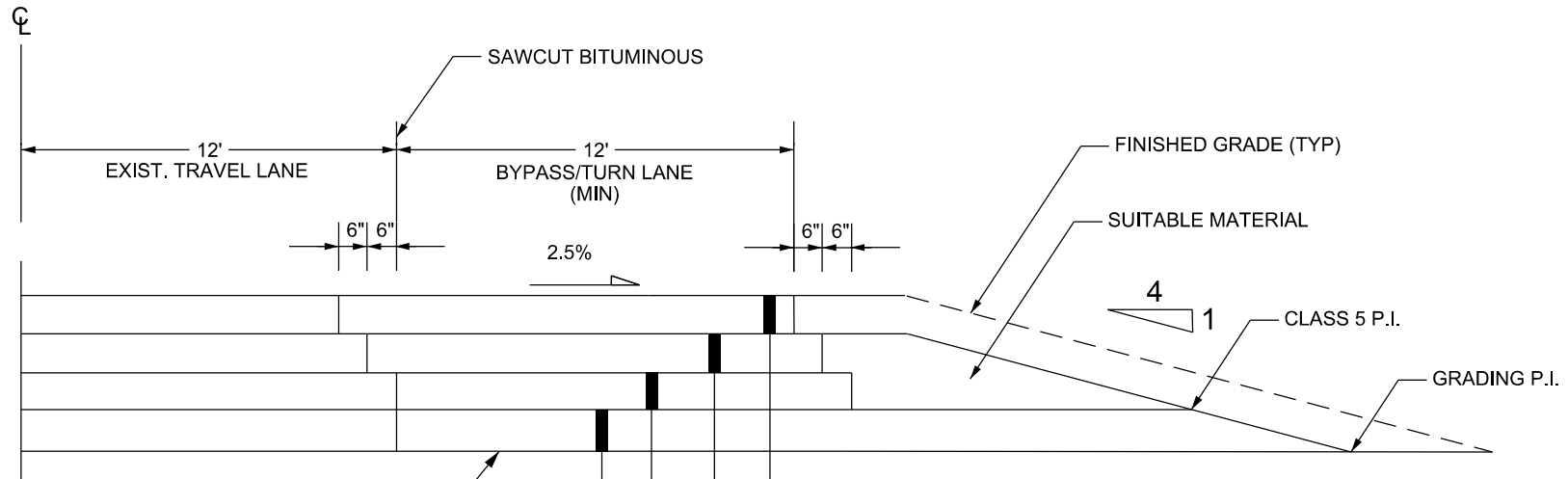


## Base and Bituminous Construction Detail

### For Curb and Gutter Section

NOT TO SCALE  
**DETAIL A**  
January 2020

# ANOKA COUNTY HIGHWAY DEPARTMENT



GRADING GRADE (TYP)

ADT <= 5,000	5,000 < ADT <= 10,000	ADT > 10,000
2.0" SPWEB340C	1.5" SPWEB340E	2.0" SPWEB340F
2.0" SPWEB340C	1.5" SPWEB340E	2.0" SPWEB340F
N/A	2.0" SPNW330B	2.0" SPNW330B
6.0" CLASS 5	6.0" CLASS 5	6.0" CLASS 5

MIX DESIGN  
(2360 SPEC)

ALL DISTURBED SOIL MUST BE SEEDED, MULCHED, AND DISK ANCHORED IN ACCORDANCE WITH MN/DOT STANDARD SPECIFICATIONS. RAPID-DEGRADABLE STRAW BLANKET SHALL BE USED IN AREAS OF HIGH EROSION.

NOT TO SCALE

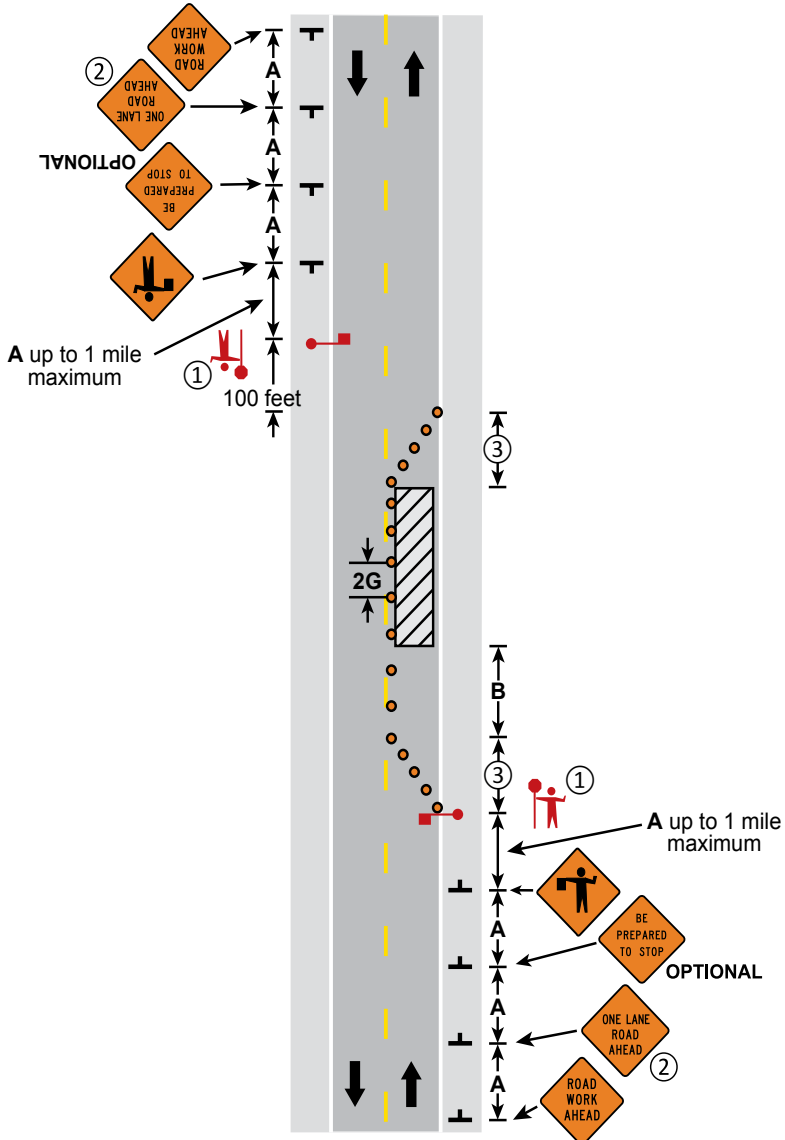
## Base and Bituminous Construction Detail

DETAIL A  
September 2019



**NOTES:**

- ① The approach sight distance to the flagger shall be at least the Decision Sight Distance (**D**).
- ② The ONE LANE ROAD AHEAD sign may be omitted when the posted speed limit is 40 mph or less.
- ③ The two-way taper should be 50 feet in length using 5 equally spaced channelizing devices.
4. If anticipating operational problems, the use of a Pilot Car (see [Layout 18](#)) may improve operations and safety.

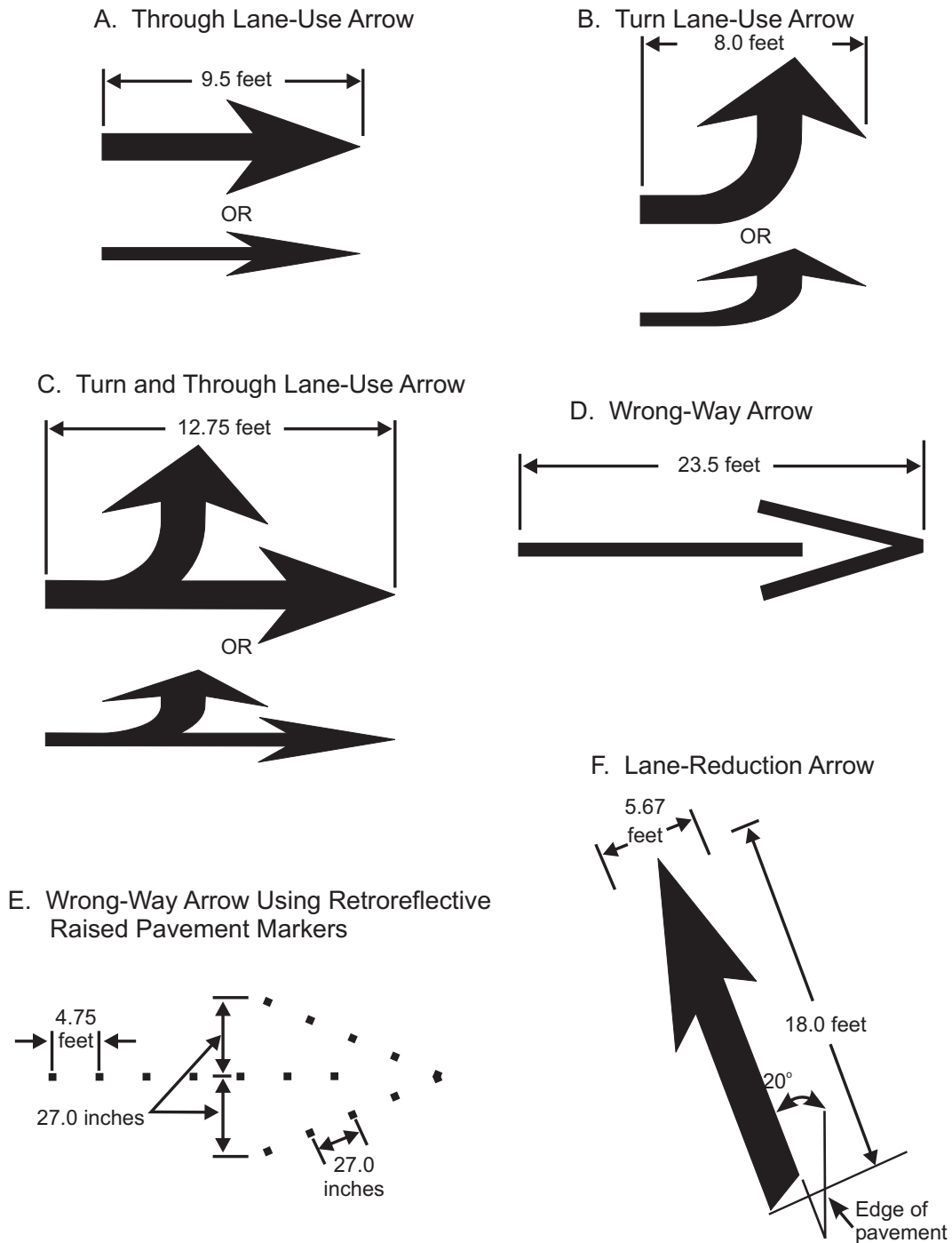


**LANE CLOSURE, TWO FLAGGERS  
 TWO-LANE, TWO-WAY ROAD**

3 DAYS or LESS

6K-16

LAYOUT 16



Notes:

1. Typical sizes for normal installation; sizes may be reduced approximately one-third for low-speed urban conditions; larger sizes may be needed for freeways, above average speeds, and other critical locations.
2. The narrow elongated arrow designs shown in drawings A, B, and C are optional
3. For proper proportion, see the MnDOT "Standard Signs Manual" and the FHWA "Standard Highway Signs and Markings" book (see Section 1A.11).

**Figure 3B-24 Examples of Standard Arrows for Pavement Markings**

## Temporary Traffic Control Distance Charts

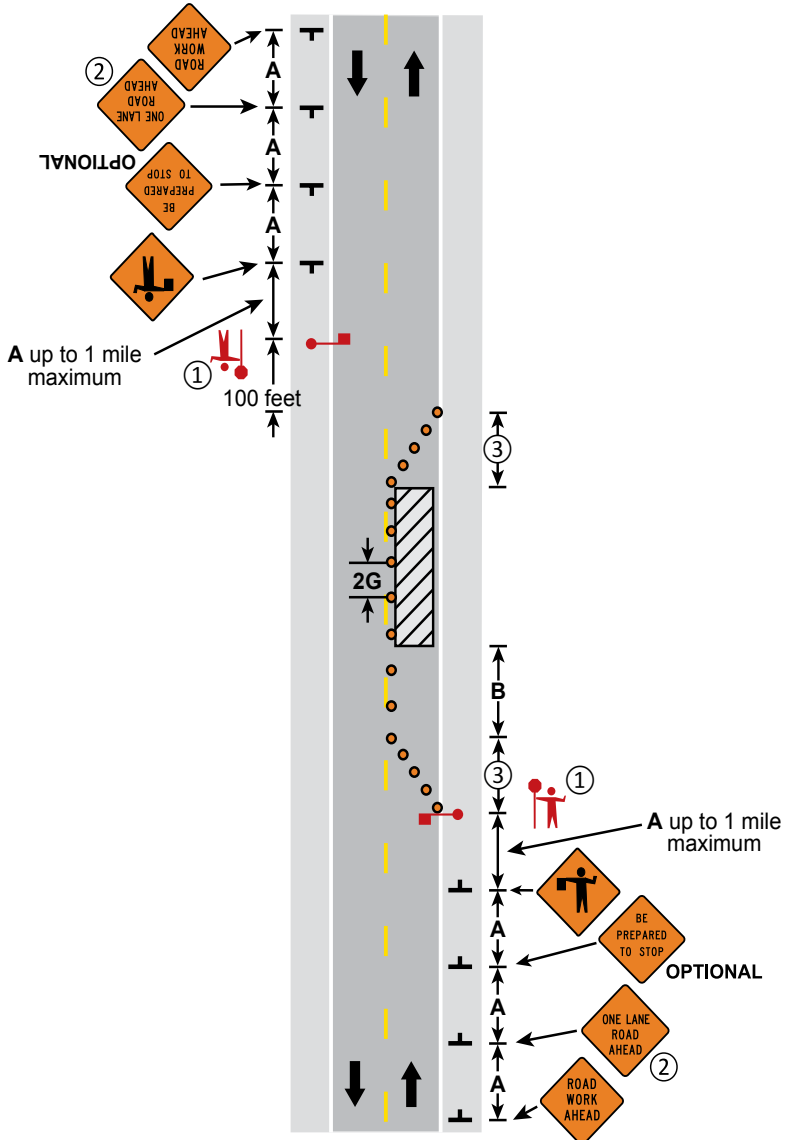
Posted Speed Limit Prior to Work Starting (mph)		Advance Warning Sign Spacing (A) feet	Decision Sight Distance (D) feet	Taper Length (12 ft lane) (L) feet	Shifting Taper (12 ft lane) (L/2) feet	Typical Shoulder Taper (L/3) feet	Buffer Space (B) feet
0-30	<b>G = 25 ft.</b>	100	550	200	100	75	200
35-40		325	700	325	175	125	305
45-50	<b>G = 50 ft.</b>	600	900	600	300	200	425
55		750	1200	700	350	250	500
60-65		1000	1400	800	400	275	650
70-75		1200	1600	900	450	300	820

Posted Speed Limit Prior to Work Starting (mph)		Advance Warning Following Distance (F) feet	Roll Ahead Distance Charts			
			Recommended Spacing for Vehicles Weighing 9,900 to 22,000 lbs GVW (R) feet		Recommended Spacing for Vehicles Weighing Greater than 22,000 lbs GVW (R) feet	
			Stationary Operation	Moving Operation 15 MPH max	Stationary Operation	Moving Operation 15 MPH max
0-30	<b>G = 25 ft.</b>	100 - 550	100	100	75	100
35-40		325 - 700	100	100	75	100
45-50	<b>G = 50 ft.</b>	600 - 900	125	175	100	150
55		750 - 1200	125	175	100	150
60-65		1000 - 1400	175	225	150	175
70-75		1200 - 1600	175	225	150	175

Shadow and Protection Vehicle wheels should be pointed straight ahead.

**NOTES:**

- ① The approach sight distance to the flagger shall be at least the Decision Sight Distance (**D**).
- ② The ONE LANE ROAD AHEAD sign may be omitted when the posted speed limit is 40 mph or less.
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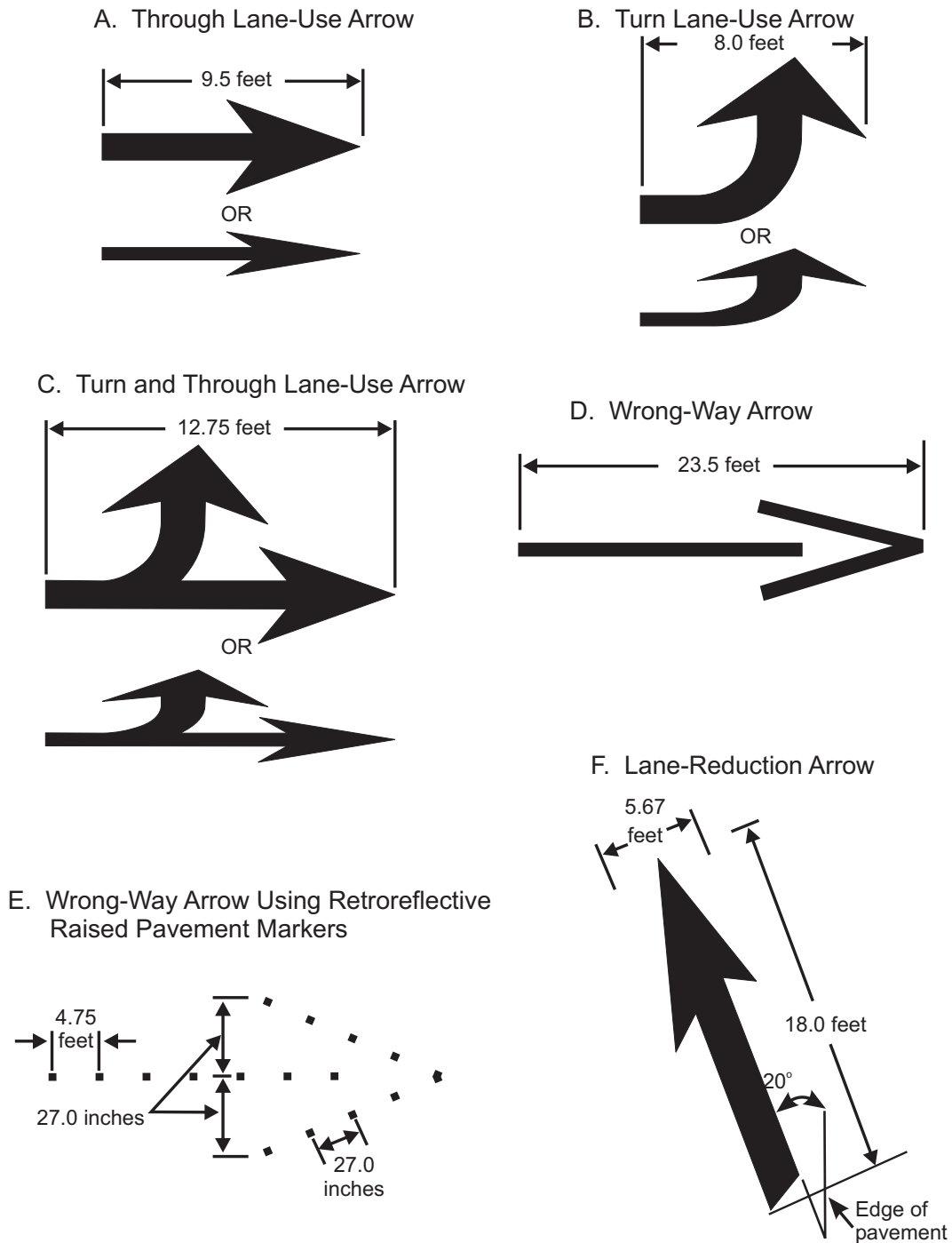


**LANE CLOSURE, TWO FLAGGERS  
 TWO-LANE, TWO-WAY ROAD**

3 DAYS or LESS

6K-16

LAYOUT 16



Notes:

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**Figure 3B-24 Examples of Standard Arrows for Pavement Markings**

## Temporary Traffic Control Distance Charts

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35-40		325	700	325	175	125	305
45-50	<b>G = 50 ft.</b>	600	900	600	300	200	425
55		750	1200	700	350	250	500
60-65		1000	1400	800	400	275	650
70-75		1200	1600	900	450	300	820

Posted Speed Limit Prior to Work Starting (mph)	Advance Warning Following Distance (F) feet	Roll Ahead Distance Charts				
		Recommended Spacing for Vehicles Weighing 9,900 to 22,000 lbs GVW (R) feet		Recommended Spacing for Vehicles Weighing Greater than 22,000 lbs GVW (R) feet		
		Stationary Operation	Moving Operation 15 MPH max	Stationary Operation	Moving Operation 15 MPH max	
0-30	<b>G = 25 ft.</b>	100 - 550	100	100	75	100
35-40		325 - 700	100	100	75	100
45-50	<b>G = 50 ft.</b>	600 - 900	125	175	100	150
55		750 - 1200	125	175	100	150
60-65		1000 - 1400	175	225	150	175
70-75		1200 - 1600	175	225	150	175

Shadow and Protection Vehicle wheels should be pointed straight ahead.



**Certificate Of Completion**

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Subject: Dale Becklin - ROW Permit Application	
Source Envelope:	
Document Pages: 52	Signatures: 2
Certificate Pages: 4	Initials: 1
AutoNav: Enabled	Envelope Originator:
Envelopeld Stamping: Enabled	Highway Permits
Time Zone: (UTC-06:00) Central Time (US & Canada)	Anoka County Government Center
	2100 3rd Avenue
	Anoka, MN 55303
	HighwayPermits@co.anoka.mn.us
	IP Address: 174.20.122.239

**Record Tracking**

Status: Original	Holder: Highway Permits	Location: DocuSign
5/18/2023 8:28:09 PM	HighwayPermits@co.anoka.mn.us	
Security Appliance Status: Connected	Pool: StateLocal	
Storage Appliance Status: Connected	Pool: Anoka County	Location: DocuSign

**Signer Events**

Dale Becklin  
 dbecklin@aol.com  
 Security Level:  
 DocuSign.email  
 ID: 1  
 5/18/2023 8:28:11 PM

**Signature**

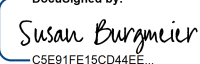
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 Signed using mobile

**Timestamp**

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 Signed: 5/18/2023 8:41:45 PM

**Electronic Record and Signature Disclosure:**  
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Susan Burgmeier  
 Susan.Burgmeier@co.anoka.mn.us  
 Associate Traffic Technician  
 Anoka County  
 Signing Group: Highway Permits  
 Security Level: Email, Account Authentication (Optional)

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Editor Delivery Events	Status	Timestamp
Agent Delivery Events	Status	Timestamp
Intermediary Delivery Events	Status	Timestamp
Certified Delivery Events	Status	Timestamp
Carbon Copy Events	Status	Timestamp
Witness Events	Signature	Timestamp
Notary Events	Signature	Timestamp
Envelope Summary Events	Status	Timestamps

<b>Envelope Summary Events</b>	<b>Status</b>	<b>Timestamps</b>
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Envelope Updated	Security Checked	5/18/2023 8:41:45 PM
Certified Delivered	Security Checked	5/19/2023 11:59:53 AM
Envelope Updated	Security Checked	5/22/2023 1:57:56 PM
Signing Complete	Security Checked	5/22/2023 1:57:56 PM
Completed	Security Checked	5/22/2023 1:57:56 PM

<b>Payment Events</b>	<b>Status</b>	<b>Timestamps</b>
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<b>Electronic Record and Signature Disclosure</b>
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At any time, you may request from us a paper copy of any record provided or made available electronically to you by us. You will have the ability to download and print documents we send to you through the DocuSign system during and immediately after the signing session and, if you elect to create a DocuSign account, you may access the documents for a limited period of time (30 days) after the documents are first sent to you. At any time, if you request paper copies of any documents, you may be charged a fee. You may request paper copies from us by following the procedure described below.

### **Withdrawing your consent**

If you decide to receive notices, disclosures and documents from us electronically, you may change your mind and tell us that going forward you want to receive documents only in paper format. Please note, processing time will be slowed down dramatically as we will be required to print and send the document through the mail and await your return of the documents. The process to change the method of receipt is described below.

### **All notices and disclosures will be sent to you electronically**

Upon your acceptance to receive electronic notifications, all required notices, disclosures, authorizations, acknowledgements, and other documents that are required to be provided or made available to you during the course of our relationship with you will be provided electronically through the DocuSign system. All of the required documents will be provided to you at the address that you have given us.

### **How to contact Anoka County:**

You may change your preferred method of contact whether electronically, or paper copies, or change your email address. You may also request paper copies of certain information from us, or withdraw your prior consent to receive documents. Please use the contact information below for your request and in the body of your correspondence, identify your desired action. If you are

changing an email address, please include your prior email address as well as your new address. If you no longer wish to receive future documents in electronic format, please include that request in the body of your email.

Email: helpdesk@co.anoka.mn.us

Phone: (763)-324-4110

Address: Anoka County Government Center  
Attn: Information Technology, #300  
2100 3rd Avenue  
Anoka, MN 55303

### **Required hardware and software**

The minimum system requirements for using the DocuSign system may change over time. The current system requirements are found here: <https://support.docusign.com/guides/signer-guide-signing-system-requirements>.

### **ACKNOWLEDGEMENT**

To confirm your access to the electronic notices and disclosures, which will be similar to other electronic notices and disclosures that we may provide to you, please acknowledge that you have read this ERSD by selecting the check-box next to 'I agree to use electronic records and signatures' before clicking 'CONTINUE' within the DocuSign system.

By selecting the check-box next to 'I agree to use electronic records and signatures', you confirm that:

- You can access and read this Electronic Record and Signature Disclosure; and
- You can print this Electronic Record and Signature Disclosure, or save or send this Electronic Record and Disclosure to a location where you can print it, for future reference and access; and
- Until or unless you notify Anoka County as described above, you consent to receive exclusively through electronic means all notices, disclosures, authorizations, acknowledgements, and other documents that are required to be provided or made available to you by Anoka County during the course of your relationship with Anoka County.