



Anoka County
MINNESOTA

Respectful, Innovative, Fiscally Responsible

ANOKA COUNTY TRANSPORTATION DIVISION

1440 BUNKER LAKE BLVD NW

ANDOVER, MN 55304

763-324-3176

highwaypermits@anokacountymn.gov

PERMIT NUMBER

23-536

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 **Greenway Excavating, Inc.**

CONTACT PERSON **Andrew Green**

ADDRESS **19949 St. Francis Blvd.**

CITY **Anoka**

PHONE NUMBER **612-267-4909**

EMAIL **greenwayexcavating.mn@gmail.com**

COMPANY OR INDIVIDUAL PERFORMING WORK **Greenway Excavating**

CONTACT PERSON **Andrew Green**

EMAIL **greenwayexcavating.mn@gmail.com**

PERMIT WORK TO START **09/25/2023**

PERMIT WORK TO BE COMPLETED **10/31/2023**

DURATION OF JOB **2 weeks**

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

ANOKA COUNTY PROJECT NUMBER

WORK SITE ADDRESS **50XX 215th Avenue NE**

CITY **Linwood**

METHOD OF INSTALLATION/CONSTRUCTION **Grading only for turn lanes. No CI-5, paving, curb, storm sewer**

NATURE OF WORK **Grading only for 2 turn lanes along north side of 217th. Excavator will be used to strip topsoil away from shoulder then a dozer will be used to grade proposed subgrade for turn lanes. We will coordinate with paving contractor so this can be paved as quickly as possible.**

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 MN TEMPORARY TRAFFIC CONTROL FIELD MANUAL (3+ DAYS REQUIRES PLANS TO BE SIGNED BY A LICENSED PE).

DITCH/BLVD



Layout 16, flagging operation, if any portion of the road is encroached.

GRAVEL

BITUMINOUS

CONCRETE

NONE

IS SIGNING AND STRIPING REQUIRED? **No**

DEPTH FROM SURFACE **6 inches for topsoil strip**

(60" minimum under county roads)

SIZE AND KIND OF PIPE/CABLE **None**

NUMBER OF EXCAVATIONS **0**

SIZE OF EXCAVATIONS **None**

(Length, width, and depth)

LOCATION OF EXCAVATIONS

(Specific written descriptions of excavations - to be protected at all times and backfilled when unattended and/or overnight)

None

THIS PERMIT COVERS THE RIGHT OF WAY IN ANOKA COUNTY ONLY

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



Anoka County

MINNESOTA

Respectful. Innovative. Fiscally Responsible

ANOKA COUNTY TRANSPORTATION DIVISION

1440 BUNKER LAKE BLVD NW

ANDOVER, MN 55304

PERMIT PHONE: 763-324-3176

highwaypermits@anokacountymn.gov

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:

Andrew Green

F37E78CB1CBD4DA...

DATE 9/16/2023

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:

Susan Burgmeier

05E91FE15CD44EE...

TITLE: Traffic Technician

DATE

9/18/2023

NOT VALID UNLESS SIGNED BY ANOKA COUNTY

THIS PERMIT COVERS THE RIGHT OF WAY IN ANOKA COUNTY ONLY
ACTD reserves the right to make changes to these special conditions.



ANOKA COUNTY TRANSPORTATION DIVISION

1440 BUNKER LAKE BLVD NW

ANDOVER, MN 55304

PERMIT PHONE: 763-324-3176

highwaypermits@anokacountymn.gov

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.

THIS PERMIT COVERS THE RIGHT OF WAY IN ANOKA COUNTY ONLY
ACTD reserves the right to make changes to these special conditions.



ANOKA COUNTY TRANSPORTATION DIVISION

1440 BUNKER LAKE BLVD NW

ANDOVER, MN 55304

PERMIT PHONE: 763-324-3176

highwaypermits@anokacountymn.gov

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.

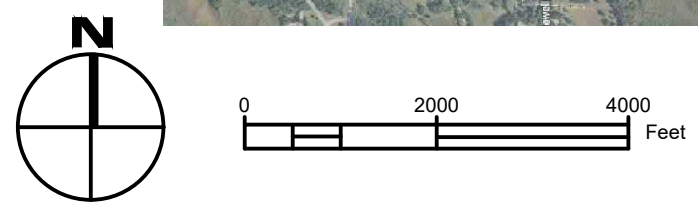
ADDITIONAL PROVISIONS

- 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@anokacountymn.gov
 - 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
- 5) Pits/excavations are to be protected at all times and then backfilled when unattended and/or overnight

INITIAL
^{DS}



No additional comments.



CONSTRUCTION PLANS FOR DELLWOOD COUNTRY ESTATES LINWOOD TOWNSHIP, ANOKA COUNTY, MN MAY 2023

VICINITY MAP

PROJECT TITLE

CONTACTS

INDEX

NOTES

OWNER:
Dellwood Const. LTD
617 E. Main St., Ste #5
Anoka, MN 55303
Attn: Lee Hennen
Ph: 612.387.4131
dcltd1001@outlook.com

TOWNSHIP:
Linwood Township
22817 Typo Creek Drive
Stacy, MN 55079
Ph: 651.462.2812

TOWNSHIP ENGINEER:
Craig Jochum, PE (Hakanson-Anderson)
Ph: 763.427.5860
craigj@haa-inc.com

SURVEY:
Acre Land Surveying, Inc.
9140 Baltimore St NE Ste 100
Blaine, MN 55449
Attn: Lyle Reynolds, PS
Ph: 763.439.2702
lr.acrelandsurvey@gmail.com

COUNTY:
Anoka County Highway Dept.
1440 Bunker Hill Blvd NW
Andover, MN 55304
763.324.3100

CIVIL:
Civil Methods, Inc.
PO Box 28038
St. Paul, MN 55128
Attn: Dave Poggi, PE
Ph: 763.210.5713
dave.poggi@civilmethods.com

SHEET NO.	DESCRIPTION
C001	COVER SHEET
S101	EXISTING CONDITIONS
S102	PRELIMINARY PLAT
S103	LIVABILITY / DEVELOPMENT PLAN
C401	STREET PLAN & PROFILE - WILLYS ST
C402	STREET PLAN & PROFILE - WILLYS ST
C403	STREET PLAN & PROFILE - WILLYS ST
C404	TURN LANES
C405-C407	STREET CROSS SECTIONS
C500	GRADING & DRAINAGE - COMPOSITE
C501	GRADING & DRAINAGE - SOUTHEAST
C502	GRADING & DRAINAGE - NORTH
C503	GRADING & DRAINAGE - SOUTHWEST
C601	EROSION & SEDIMENT CONTROL - SOUTHEAST
C602	EROSION & SEDIMENT CONTROL - NORTH
C603	EROSION & SEDIMENT CONTROL - SOUTHWEST
C604	SWPPP
C701-C703	DETAILS
C704	NOTES
T100	TEMPORARY TRAFFIC CONTROL PLAN

THE EXISTING UTILITY INFORMATION SHOWN IN THIS PLAN HAS BEEN SURVEYED BY OTHERS; THE CONTRACTOR SHALL FIELD VERIFY EXACT LOCATIONS PRIOR TO COMMENCING CONSTRUCTION AS REQUIRED BY STATE LAW. NOTIFY 811 OR GOPHER STATE ONE CALL (1.800.252.1166).

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

- PLAN REFERENCES:**
1. LINWOOD TOWNSHIP AND ANOKA COUNTY STANDARDS
 2. MINNESOTA DEPT. OF TRANSPORTATION - STANDARD SPECIFICATIONS FOR CONSTRUCTION, LATEST EDITION.
 3. UNREINFORCED CONCRETE PER ACI 330R-08 AND ACI 330.1-03.

LEGEND:

PROPERTY LINE	CURB & GUTTER	STORMWATER POND
SETBACK	STORM SEWER / CULVERT	ROCK RIPRAP, RANDOM CRUSHED
EASEMENT	DRAINTILE	EROSION CONTROL BLANKET
WETLAND	SANITARY SEWER	TURF REINFORCEMENT MAT
CONTOUR	WATERMAIN	GEOGRID OR ARTICULATED CONCRETE
SPOT ELEVATION	CLEANOUT	STABILIZED CONST. ENTRANCE
DRAINAGE DIRECTION	SANITARY MANHOLE	SILT FENCE
BITUMINOUS SURFACE	WETLAND BUFFER	SEDIMENT CONTROL LOG
BITUMINOUS SURFACE, HEAVY	BIORETENTION / INFILTRATION BASIN	INLET PROTECTION
CONCRETE SURFACE	TREE LINE	FENCE
		RETAINING WALL



Print Date: 7/20/2023 9:11 AM
File Loc: C:\CIVIL\Civil Methods, Inc\GMI - Documents\17_Projects\0731_Dellwood Construction_Dellwood Country Estates\08_DRAININGS AND SPECIFICATIONS\CAD\Sheets\PRELIMINARY\C001_COVER.dwg

CIVIL METHODS, INC.
P.O. Box 28038
St. Paul, MN 55128
o: 763.210.5713 | www.civilmethods.com

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

DATE: 07-19-2023
LIC. NO.: 44573

DESIGNED: DMP
DRAWN: DMP
CHECKED: KEB

DATE / REVISION:
03-06-2023 Preliminary Review Set. NOT FOR CONSTRUCTION
05-11-2023 Revised per Township review.
06-22-2023 Revised per Township & ACHD review.
07-18-2023 Revised per Township & ACHD review (revised sign requirements).
07-19-2023 Revised street section detail.

DELLWOOD CONST. LTD
DELLWOOD COUNTRY ESTATES
LINWOOD TOWNSHIP, MN

COVER

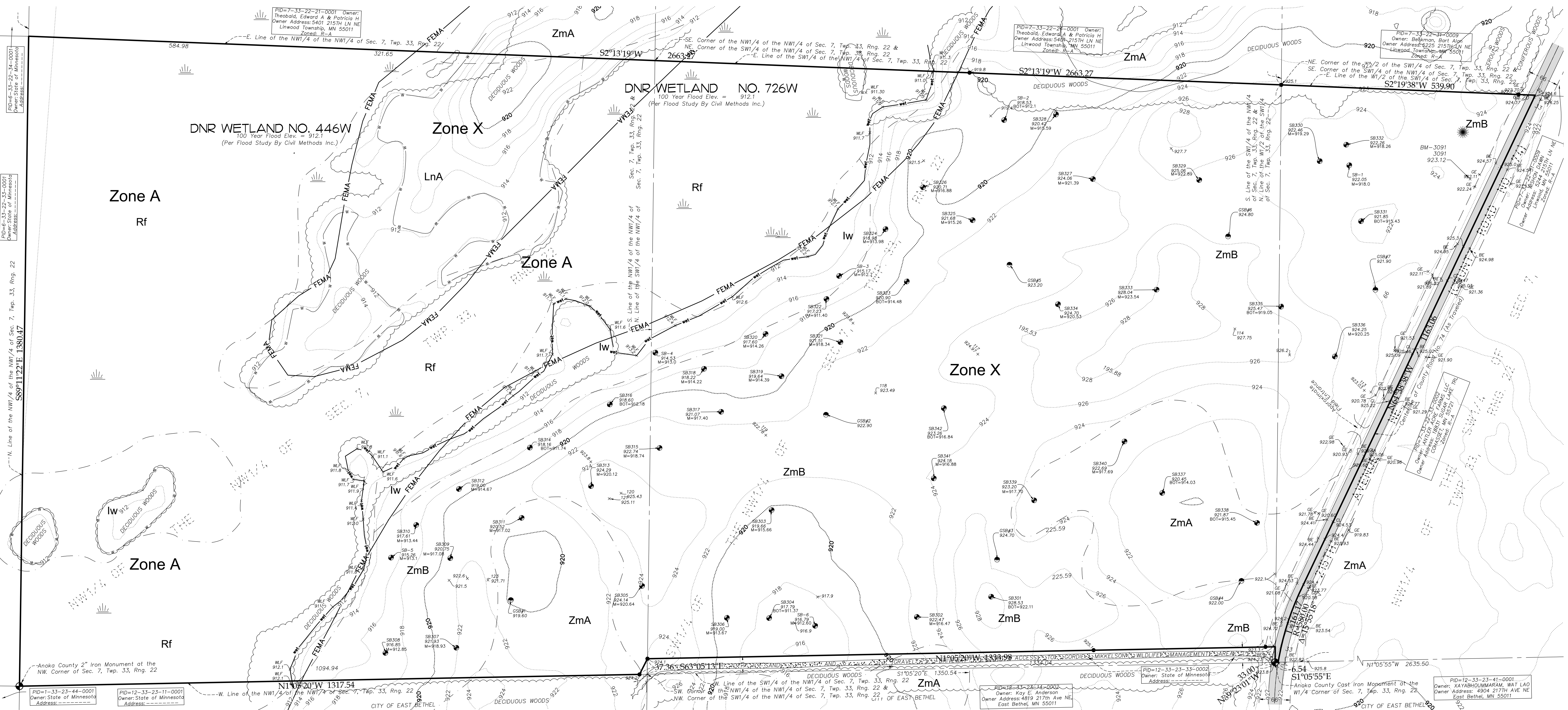
SHEET NO:
C001

EXISTING CONDITIONS

of: DELLWOOD COUNTRY ESTATES

For: DELLWOOD CONST. LTD

Property Address: 50XX 215TH AVENUE NE, LINWOOD, MN 55011



PID=7-33-22-21-0001
Owner: Theobald, Edward A & Patricia H
Owner Address: 5401 215TH LN NE
Linwood Township, MN 55011
Zoned: R-4

PID=6-33-22-33-0001
Owner: State of Minnesota
Address: ---

PID=6-33-22-33-0001
Owner: State of Minnesota
Address: ---

PID=1-33-23-44-0001
Owner: State of Minnesota
Address: ---

PID=1-33-23-44-0001
Owner: State of Minnesota
Address: ---

PID=12-33-23-11-0001
Owner: State of Minnesota
Address: ---

PID=12-33-23-11-0001
Owner: State of Minnesota
Address: ---

PID=12-33-23-41-0001
Owner: XAVABHUMBARAM, WAT LAO
Owner Address: 4904 217TH AVE NE
East Bethel, MN 55011

NOTES

- Bearing's shown are based on Anoka County datum.
- Current Field work completed on August 13th, 2021.
- Parcel ID Number: 07-33-22-23-0003
- Easements, appurtenances and encumbrances may exist in addition to those shown hereon.
- The Photo overlay used in this drawing was obtained from the Anoka County GIS Web Site.
- Contours shown on this drawing were obtained from the State of Minnesota Department of Transportation MN-Topo Web Site and from supporting field elevation observations as shown on the drawing.
- Subject premises shown to be in Flood Zone A (Base Flood Elevation not determined) and Flood Zone X (Areas determined to be outside the 0.2% annual chance floodplain), according to Flood Insurance Rate Map Community No. 27005, Panel No. 27003C0210E effective date December 16, 2015.
- Utilities shown hereon are based on visible observations only. Additional utilities exist on this site which are not shown hereon. The contractor shall field verify exact locations prior to commencing construction as required by state law. Notify 811 or gopher state one call (1.800.252.1166).

JOB #21841SP

I hereby certify that this survey, plan or report was prepared by me or under my direct supervision and that I am a duly Licensed Land Surveyor under the laws of the State of Minnesota.

Lyle C. Reynolds
LYLE C. REYNOLDS
Date: 3/08/23 Reg. No. 13072

EXISTING LEGAL DESCRIPTION

The Northwest Quarter of the Northwest Quarter (NW ¼ of NW ¼) and the Southwest Quarter of the Northwest Quarter (SW ¼ of NW ¼) of Section Seven (7), Township Thirty-three (33), Range Twenty-two (22); EXCEPTING THEREFROM the following described tract:

Beginning at a point on the west line of Section Seven (7), Township Thirty-three (33), Range Twenty-two (22) which said point is 16 ½ feet north of the southwest corner of the NW ¼ of NW ¼ of Section 7, thence from said point of beginning south-easterly to a point on the north line of the SW ¼ of NW ¼ of said Section 7, which said point is 33 feet east from the southwest corner of the NW ¼ of NW ¼ of said Section 7, and thence south parallel with the west line of said Section 7 to the south line of the Southwest Quarter of Northwest Quarter (SW ¼ of NW ¼) of said Section Seven (7), thence west to the west line of said Section Seven (7), thence North along the west line of said Section Seven (7) to the point of beginning.

AND

All that part of the West Half of the Southwest Quarter (W ½ of SW ¼) of Section 7, Township 33, Range 22, Anoka County, Minnesota, lying north of the centerline of Anoka County Road Number 74.

Subject to easements, restrictions, or reservations of record, if any.

AND

Subject to a 10 foot wide, non-exclusive, easement for drainage and utility purposes over, under, and across that part of the Subject Parcel, described below, which lies within 10 feet of the outside boundary of said parcel, as measured at right angles to said outside boundary.

Subject Parcel

The Northwest Quarter of the Northwest Quarter (NW ¼ of NW ¼) and the Southwest Quarter of the Northwest Quarter (SW ¼ of NW ¼) of Section Seven (7), Township Thirty-three (33), Range Twenty-two (22); EXCEPTING THEREFROM the following described tract:

Beginning at a point on the west line of Section Seven (7), Township Thirty-three (33), Range Twenty-two (22) which said point is 16 ½ feet north of the southwest corner of the NW ¼ of NW ¼ of Section 7, thence from said point of beginning south-easterly to a point on the north line of the SW ¼ of NW ¼ of said Section 7, which said point is 33 feet east from the southwest corner of the NW ¼ of NW ¼ of said Section 7, and thence south parallel with the west line of said Section 7 to the south line of the Southwest Quarter of Northwest Quarter (SW ¼ of NW ¼) of said Section Seven (7), thence west to the west line of said Section Seven (7), thence North along the west line of said Section Seven (7) to the point of beginning.

AND ALSO All that part of the West Half of the Southwest Quarter (W ½ of SW ¼) of Section 7, Township 33, Range 22, Anoka County, Minnesota, lying north of the centerline of Anoka County Road Number 74.

EXCEPTING THEREFROM any portion of the above described Subject Parcel lying within 33 feet of the centerline of said Anoka County Road Number 74.

SOIL TYPE LEGEND

- Lw: Isanti fine sandy loam - (5.951 Acres)
- LnA: Lino Loamy fine sand 0% - 4% slopes - (6.165 Acres)
- Rf: Rife mucky peat - (27.926 Acres)
- ZmA: Zimmerman fine sand, 0% - 2% slopes - (6.351 Acres)
- ZmB: Zimmerman fine sand, 2% - 6% slopes - (39.673 Acres)

FEE OWNERS & Developers: Lee A. and Verma F. Hennen
Dellwood Const., LTD.
617 E. Main Street
Anoka, MN 55303
763-427-5100
dcltd1001@outlook.com

SURVEYOR: ACRE LAND SURVEYING, INC.
26450 RUM RIVER DRIVE NW.
ISANTI, MN 55040
Lyle Reynolds, LS
(763) 439-2702 CELL
lr.acrelandsurvey@gmail.com

DRAWN BY:	LCR	JOB NO:	21841PP	DATE:	3-08-23
CHECK BY:	LCR	SCANNED	<input type="checkbox"/>		
1	5/17/23	Revise per City Engineer Comments	LCR		
2	6/23/23	Revise per City Engineer Comments	LCR		
3					
4					
5					
NO.	DATE	DESCRIPTION	BY		

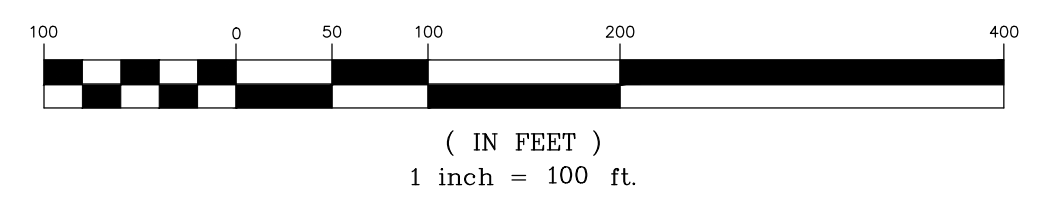
LEGEND

- DENOTES ANOKA COUNTY MONUMENT FOUND
- DENOTES IRON MONUMENT SET
- DENOTES BITUMINOUS SURFACE
- DENOTES GRAVEL
- DENOTES FENCE LINE
- DENOTES SOIL BORING BY MARK TRADEWELL
- DENOTES SURFACE ELEVATION
- DENOTES MOTTLED SOIL ELEVATION
- DENOTES BOTTOM OF BORING ELEVATION
- DENOTES WETLAND LINE BASED ON WETLAND REPORT BY EARTH SCIENCE ASSOCIATES.
- DENOTES WETLAND LINE NOT DELINEATED ON THE GROUND.
- DENOTES BUILDING SETBACK LINE
- DENOTES EXISTING CONTOURS BASED ON MN-TOPO LIDAR DATA AND ON SITE SPOT SHOTS AS NOTED.
- DENOTES WETLAND
- DENOTES SOIL TYPE BOUNDARIES BASED ON SOILS MAP FROM USDA-NRCS
- DENOTES ADJACENT PARCEL OWNER INFORMATION (PER ANOKA COUNTY TAX INFORMATION)
- DENOTES EXISTING TREE CANOPY BASED ON ANOKA COUNTY GIS PHOTO OVERLAY

PID=7-33-22-31-0009
Owner: Beckman, Bart Alan
Owner Address: 5225 215TH LN NE
Linwood Township, MN 55011
Zoned: R-4

NORTH

GRAPHIC SCALE



ACRE LAND SURVEYING, INC.
26450 Rum River Drive NW.
Isanti, MN 55040
763-439-2702 lr.acrelandsurvey@gmail.com

EXISTING CONDITIONS
DELLWOOD COUNTRY ESTATES

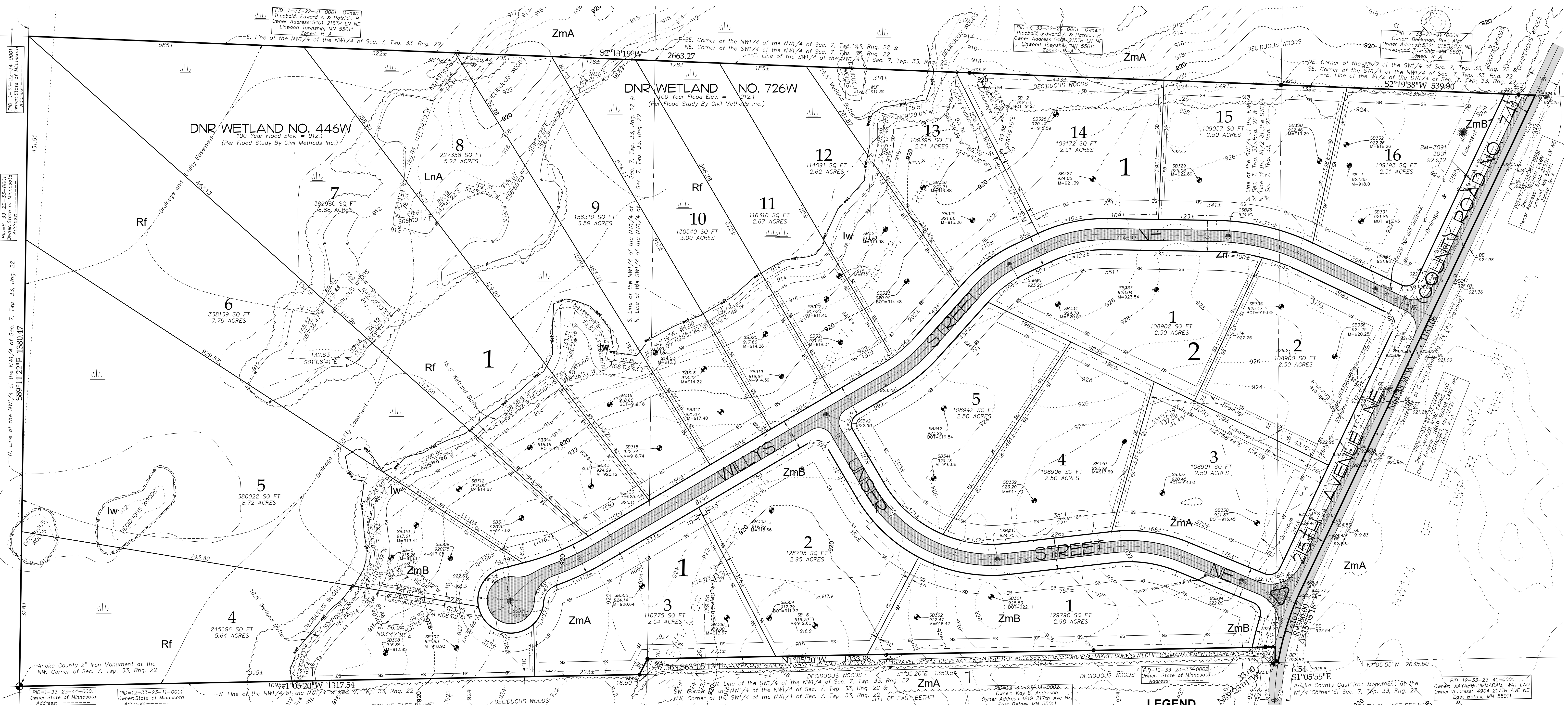
S101

PRELIMINARY PLAT

of: DELLWOOD COUNTRY ESTATES

For: DELLWOOD CONST. LTD

Property Address: 50XX 215TH AVENUE NE, LINWOOD, MN 55011



NOTES

- Bearing's shown are based on Anoka County datum.
- Current Field work completed on August 13th, 2021.
- Parcel ID Number: 07-33-22-23-0003.
- Easements, appurtenances and encumbrances may exist in addition to those shown hereon.
- The Photo overlay used in this drawing was obtained from the Anoka County GIS Web Site.
- Contours shown on this drawing were obtained from the State of Minnesota Department of Transportation MN-Topo Web Site and from supporting field elevation observations as shown on the drawing.
- Subject premises shown to be in Flood Zone A (Base Flood Elevation not determined) and Flood Zone X (Areas determined to be outside the 0.2% annual chance floodplain), according to Flood Insurance Rate Map Community No. 27005, Panel No. 270030210E effective date December 16, 2015.
- Utilities shown hereon are based on visible observations only. Additional utilities exist on this site which are not shown hereon; the contractor shall field verify exact locations prior to commencing construction as required by state law. Notify 811 or gopher state one call (1.800.252.1166).

EXISTING LEGAL DESCRIPTION

The Northwest Quarter of the Northwest Quarter (NW 1/4 of NW 1/4) and the Southwest Quarter of the Northwest Quarter (SW 1/4 of NW 1/4) of Section Seven (7), Township Thirty-three (33), Range Twenty-two (22), EXCEPTING THEREFROM the following described tract:

Beginning at a point on the west line of Section Seven (7), Township Thirty-three (33), Range Twenty-two (22) which said point is 16 1/2 feet north of the southwest corner of the NW 1/4 of NW 1/4 of Section 7, thence from said point of beginning south-easterly to a point on the north line of the SW 1/4 of NW 1/4 of said Section 7, which said point is 33 feet east from the southwest corner of the NW 1/4 of NW 1/4 of said Section 7, and thence south parallel with the west line of said Section 7 to the south line of the Southwest Quarter of Northwest Quarter (SW 1/4 of NW 1/4 of said Section Seven (7), thence west to the west line of said Section Seven (7), thence North along the west line of said Section Seven (7) to the point of beginning.

AND

All that part of the West Half of the Southwest Quarter (W 1/2 of SW 1/4) of Section 7, Township 33, Range 22, Anoka County, Minnesota, lying north of the centerline of Anoka County Road Number 74.

Subject to easements, restrictions, or reservations of record, if any.

AND

Subject to a 10 foot wide, non-exclusive, easement for drainage and utility purposes over, under, and across that part of the Subject Parcel, described below, which lies within 10 feet of the outside boundary of said parcel, as measured at right angles to said outside boundary.

Subject Parcel

The Northwest Quarter of the Northwest Quarter (NW 1/4 of NW 1/4) and the Southwest Quarter of the Northwest Quarter (SW 1/4 of NW 1/4) of Section Seven (7), Township Thirty-three (33), Range Twenty-two (22), EXCEPTING THEREFROM the following described tract:

Beginning at a point on the west line of Section Seven (7), Township Thirty-three (33), Range Twenty-two (22) which said point is 16 1/2 feet north of the southwest corner of the NW 1/4 of NW 1/4 of Section 7, thence from said point of beginning south-easterly to a point on the north line of the SW 1/4 of NW 1/4 of said Section 7, which said point is 33 feet east from the southwest corner of the NW 1/4 of NW 1/4 of said Section 7, and thence south parallel with the west line of said Section 7 to the south line of the Southwest Quarter of Northwest Quarter (SW 1/4 of NW 1/4 of said Section Seven (7), thence west to the west line of said Section Seven (7), thence North along the west line of said Section Seven (7) to the point of beginning.

AND ALSO ALL that part of the West Half of the Southwest Quarter (W 1/2 of SW 1/4) of Section 7, Township 33, Range 22, Anoka County, Minnesota, lying north of the centerline of Anoka County Road Number 74.

EXCEPTING THEREFROM any portion of the above described Subject Parcel lying within 33 feet of the centerline of said Anoka County Road Number 74.

DEVELOPMENT DATA

TOTAL PROJECT AREA: 86.039 ACRES
 TOTAL NUMBER OF PROPOSED LOTS: 21
 NUMBER OF OUTLOTS: 0
 NUMBER OF PARKS: 0
 MINIMUM PROPOSED LOT SIZE: 2,500 ACRES
 AVERAGE LOT SIZE PROPOSED: 3,766 ACRES
 PUBLIC RIGHT-OF-WAY: 6,961 ACRES
 EXISTING AND PROPOSED ZONING: R-1 (Single Family Residential)
 LENGTH OF ROAD CL: 3445±
 CUL-DE-SAC LENGTH: 829±

FEE OWNERS & Developers: Lee A. and Verna F. Hennen
 Dellwood Const., LTD.
 617 E. Main Street
 Anoka, MN 55303
 763-427-5100
 Email: dchd101@outlook.com

Phone: 763-427-5100
Email: dchd101@outlook.com

SURVEYOR: ACRE LAND SURVEYING, INC.
 26450 RUM RIVER DRIVE NW.
 ISANTI, MN 55040
 Lyle, Reynolds, LS
 (763) 439-2702 CELL
 Email: lr.acrelandsurvey@gmail.com

R-1 BUILDING SETBACKS

COUNTY ROAD R/W: 40 FEET
 FRONT: 40 FEET
 REAR: 30 FEET
 SIDE: 10 FEET
 SIDE CORNER: 20 FEET

LEGEND

- DENOTES ANOKA COUNTY MONUMENT FOUND
- DENOTES IRON MONUMENT FOUND
- DENOTES IRON MONUMENT SET
- DENOTES BITUMINOUS SURFACE
- DENOTES GRAVEL
- DENOTES FENCE LINE
- DENOTES SOIL BORING BY MARK TRADEWELL
- DENOTES SURFACE ELEVATION
- DENOTES MOTTLED SOIL ELEVATION
- DENOTES BOTTOM OF BORING ELEVATION
- DENOTES WETLAND LINE BASED ON WETLAND REPORT BY EARTH SCIENCE ASSOCIATES.
- DENOTES WET LAND LINE NOT DELINEATED ON THE GROUND.
- DENOTES BUILDING SETBACK LINE
- DENOTES EXISTING CONTOURS BASED ON MN-TOPO LIDAR DATA AND ON SITE SPOT SHOTS AS NOTED.
- DENOTES WETLAND
- DENOTES "RIGHT OF ACCESS" DEDICATED TO ANOKA COUNTY.
- DENOTES EXISTING TREE CANOPY BASED ON ANOKA COUNTY GIS PHOTO OVERLAY

R-1 LOT STANDARDS

MINIMUM LOT SIZE: 2.5 ACRES
 MINIMUM ROAD FRONTAGE: 150 FEET
 MINIMUM LOT WIDTH: 150 FEET
 BUILDABLE AREA, 1 FOOT ABOVE MOTTLED SOILS: 20,000 Sq. Ft.
 BUILDABLE AREA, 3 FEET ABOVE MOTTLED SOILS: 20,000 Sq. Ft.
 WITHIN BUILDING SETBACKS: 11,000 Sq. Ft.
 MAXIMUM IMPERVIOUS SURFACE: 25% of parcel or 25% of Buildable Area, whichever is more restrictive.

DRAINAGE AND UTILITY EASEMENTS SHOWN THUS:

BEING 5 FEET IN WIDTH AND ADJOINING SIDE LOT LINES AND BEING 10 FEET IN WIDTH AND ADJOINING STREET AND REAR LOT LINES, UNLESS OTHERWISE SHOWN ON THIS PLAT.

NORTH GRAPHIC SCALE

(IN FEET)
 1 inch = 100 ft.

JOB #21841SP

I hereby certify that this survey, plan or report was prepared by me or under my direct supervision and that I am a duly Licensed Land Surveyor under the laws of the State of Minnesota.

Lyle C. Reynolds
 LYLE C. REYNOLDS
 Date: 3/08/23 Reg. No. 13072

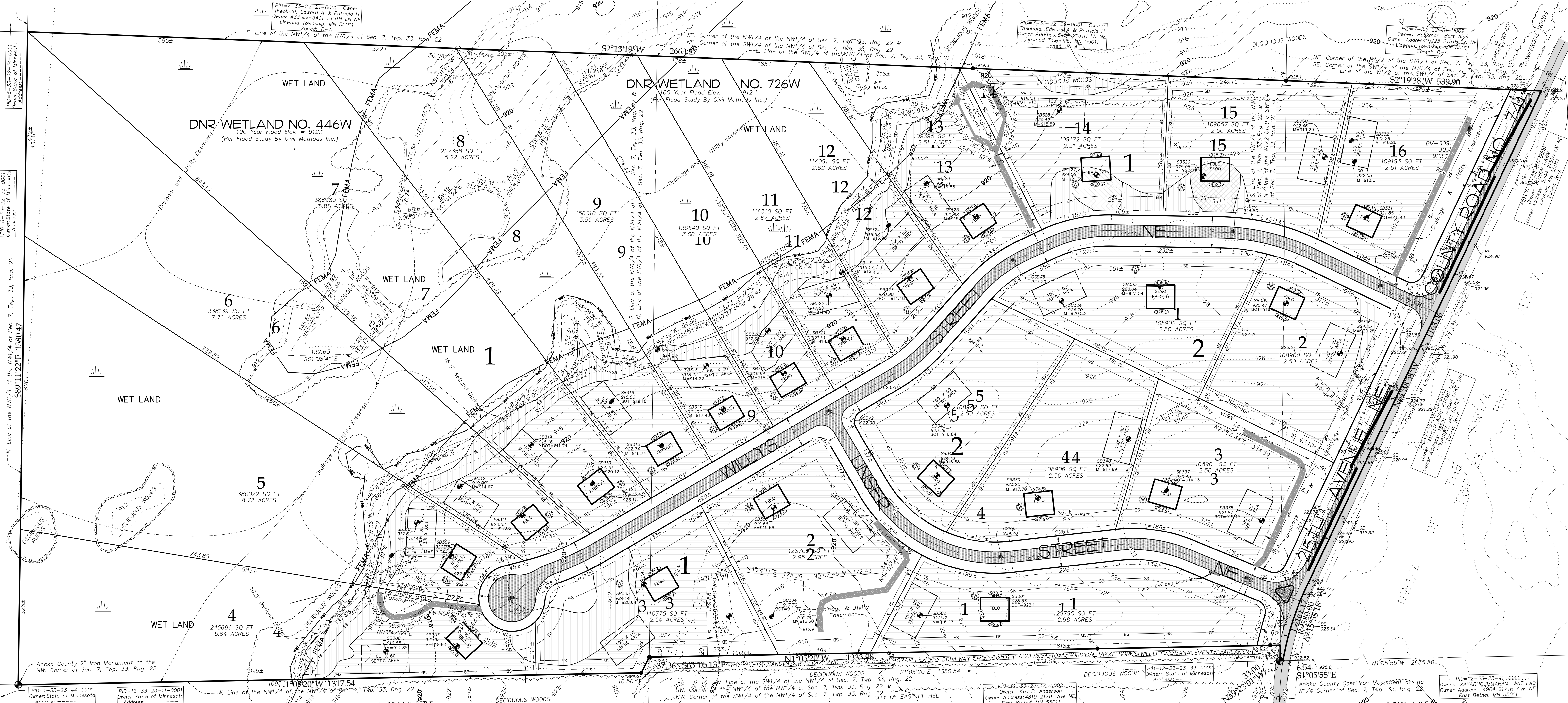
EXCEPTING THEREFROM any portion of the above described Subject Parcel lying within 33 feet of the centerline of said Anoka County Road Number 74.

NO.	DATE	DESCRIPTION	BY
1	4/14/23	Add Cluster Unit Box Locations±	LCR
2	5/17/23	Revise per City Engineer Comments	LCR
3	6/23/23	Revise per City Engineer Comments	LCR
4	7/08/23	Revise per City Engineer Comments	LCR
5			

ACRE LAND SURVEYING, INC.
 26450 RUM RIVER DRIVE NW.
 ISANTI, MN 55040
 Lyle, Reynolds, LS
 (763) 439-2702
 lr.acrelandsurvey@gmail.com

PRELIMINARY PLAT
DELLWOOD COUNTRY ESTATES **S102**

LIVABILITY/DEVELOPMENT PLAN of: DELLWOOD COUNTRY ESTATES For: DELLWOOD CONST. LTD Property Address: 50XX 215TH AVENUE NE, LINWOOD, MN 55011



GENERAL NOTES

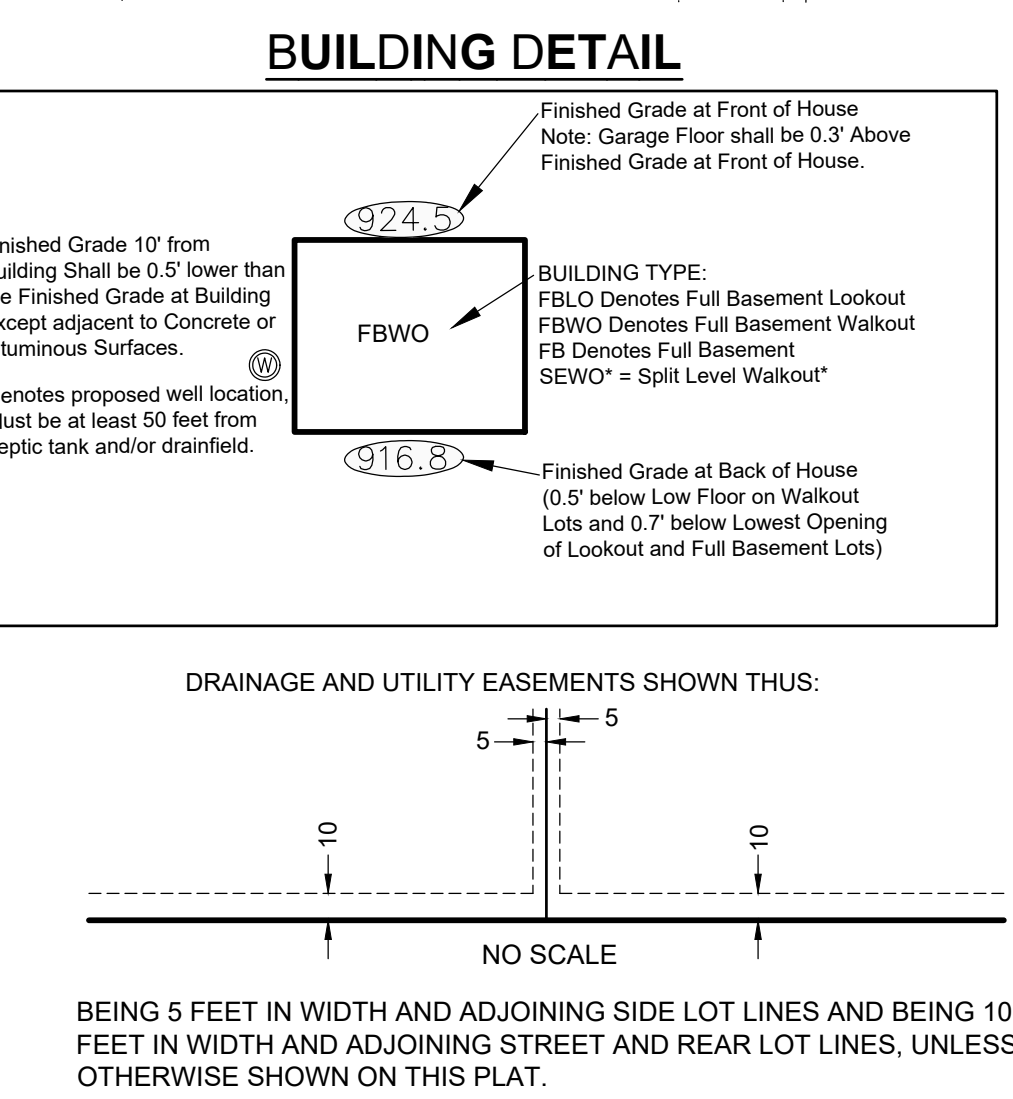
- Bearing's shown are based on Anoka County datum.
- Current Field work completed on August 13th, 2021.
- Parcel ID Number: 07-33-22-23-0003.
- Easements, appurtenances and encumbrances may exist in addition to those shown hereon.
- The Photo overlay used in this drawing was obtained from the Anoka County GIS Web Site.
- Contours shown on this drawing were obtained from the State of Minnesota Department of Transportation MN-Topo Web Site and from supporting field elevation observations as shown on the drawing.
- Subject premises shown to be in Flood Zone A (Base Flood Elevation not determined) and Flood Zone X (Areas determined to be outside the 0.2% annual chance floodplain), according to Flood Insurance Rate Map Community No. 27005, Panel No. 27003C0210E effective date December 16, 2015.
- Utilities shown hereon are based on visible observations only. Additional utilities exist on this site which are not shown hereon; the contractor shall field verify exact locations prior to commencing construction as required by state law. Notify 811 or gopher state one call (1.800.252.1166).

LEGEND

- ANOKA COUNTY MONUMENT FOUND
- IRON MONUMENT FOUND
- IRON MONUMENT SET
- BITUMINOUS SURFACE
- GRAVEL
- AREA 1' OR > ABOVE MOTTLED SOILS
- AREA 3' OR > ABOVE MOTTLED SOILS
- AREA 3' OR > ABOVE MOTTLED SOILS BASED ON PROPOSED FILL
- FENCE LINE
- SOIL BORING BY MARK TRADEWELL
- SURFACE ELEVATION
- MOTTLED SOIL ELEVATION
- BOTTOM OF BORING ELEVATION
- WETLAND LINE BASED ON WETLAND REPORT BY EARTH SCIENCE ASSOCIATES
- WETLAND LINE NOT DELINEATED ON THE GROUND
- BUILDING SETBACK LINE
- EXISTING CONTOURS BASED ON MN-TOPO LIDAR DATA AND ON SITE SPOT SHOTS AS NOTED
- WETLAND
- "RIGHT OF ACCESS" DEDICATED TO ANOKA COUNTY
- EXISTING TREE CANOPY BASED ON ANOKA COUNTY GIS PHOTO OVERLAY

DEVELOPMENT DATA

TOTAL PROJECT AREA: 86.039 ACRES
 TOTAL NUMBER OF PROPOSED LOTS: 21
 NUMBER OF OUTLOTS: 0
 NUMBER OF PARKS: 0
 MINIMUM PROPOSED LOT SIZE: 2,500 ACRES
 AVERAGE LOT SIZE PROPOSED: 3,766 ACRES
 PUBLIC RIGHT-OF-WAY: 6,961 ACRES
 EXISTING AND PROPOSED ZONING: R-1 (Single Family Residential)
 LENGTH OF ROAD CL. 344±
 CUL-DE-SAC LENGTH: 829±



BUILDABLE AREA

LOT & BLOCK NO.	SHADING WITHIN LOTS INDICATES > 3 FEET ABOVE MOTTLED SOILS (SEE LEGEND)	SQ. FT.
1,1		111,299 Sq. Ft.
2,1		71,423 Sq. Ft.
3,1		48,104 Sq. Ft. +951 Sq. Ft. Fill
4,1		38,855 Sq. Ft.
5,1		28,955 Sq. Ft.
6,1		33,759 Sq. Ft.
7,1		42,908 Sq. Ft.
8,1		38,076 Sq. Ft.
9,1		28,465 Sq. Ft.
10,1		23,920 Sq. Ft.
11,1		29,042 Sq. Ft.
12,1		35,805 Sq. Ft.
13,1		61,439 Sq. Ft.
14,1		69,117 Sq. Ft. + 7,852 Sq. Ft. Fill
15,1		83,924 Sq. Ft. + 9,327 Sq. Ft. Fill
16,1		75,622 Sq. Ft.
1,2		96,562 Sq. Ft.
2,2		80,384 Sq. Ft.
3,2		73,929 Sq. Ft.
4,2		69,438 Sq. Ft.
5,2		97,957 Sq. Ft.

SOIL BORING TABLE

BORING #	ELEVATION	MOTTLED DEPTH	BORING #	ELEVATION	MOTTLED DEPTH
SB-1	922.0	48"	SB-334	924.70	50"
SB-2	918.5	30"	SB-335	925.47	NONE @
SB-3	915.2	77"			
SB-4	914.5	18"	SB-336	924.25	48"
SB-5	915.3	20"	SB-337	920.45	NONE @ 77"
SB-6	918.8	80"	SB-338	921.87	NONE @ 77"
SB-301	928.53	NONE @ 77	SB-339	923.20	66"
SB-302	922.47	72"	SB-340	922.69	60"
SB-303	919.86	48"	SB-341	924.18	60"
SB-304	917.79	NONE @ 77"	SB-342	923.26	NONE @ 77"
SB-305	924.14	42"			
SB-306	919.00	64"			
SB-307	921.93	36"			
SB-308	918.85	48"			
SB-309	920.75	44"			
SB-310	917.61	50"			
SB-311	920.52	42"			
SB-312	919.00	52"			
SB-313	924.29	50"			
SB-314	918.16	NONE @ 77"			
SB-315	922.74	48"			
SB-316	918.60	NONE @ 77"			
SB-317	921.27	44"			
SB-318	918.22	48"			
SB-319	919.64	63"			
SB-320	917.80	40"			
SB-321	921.51	38"			
SB-322	917.23	70"			
SB-323	920.90	NONE @ 77"			
SB-324	916.98	36"			
SB-325	921.68	NONE @ 77"			
SB-326	920.71	46"			
SB-327	924.06	52"			
SB-328	920.42	38"			
SB-329	927.79	20"			
SB-330	922.48	52"			
SB-331	921.85	NONE @ 77"			
SB-332	922.26	48"			
SB-333	928.04	54"			

FEE OWNERS & DEVELOPERS:

Lee A. and Verna F. Hennen
 Dellwood Const., LTD.
 617 E. Main Street
 Anoka, MN 55303
 763-427-5100
 dcd11001@outlook.com

Phone: _____
 Email: _____

SURVEYOR:

ACRE LAND SURVEYING, INC.
 26450 RUM RIVER DRIVE NW.
 ISANTI, MN 55040
 Lyle Reynolds, LS
 (763) 439-2702 CELL
 lr.acrelandsurvey@gmail.com

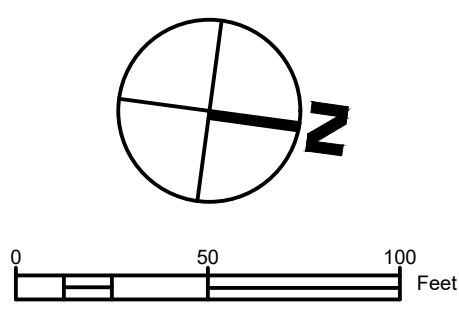
Phone: _____
 Email: _____

R-1 BUILDING SETBACKS

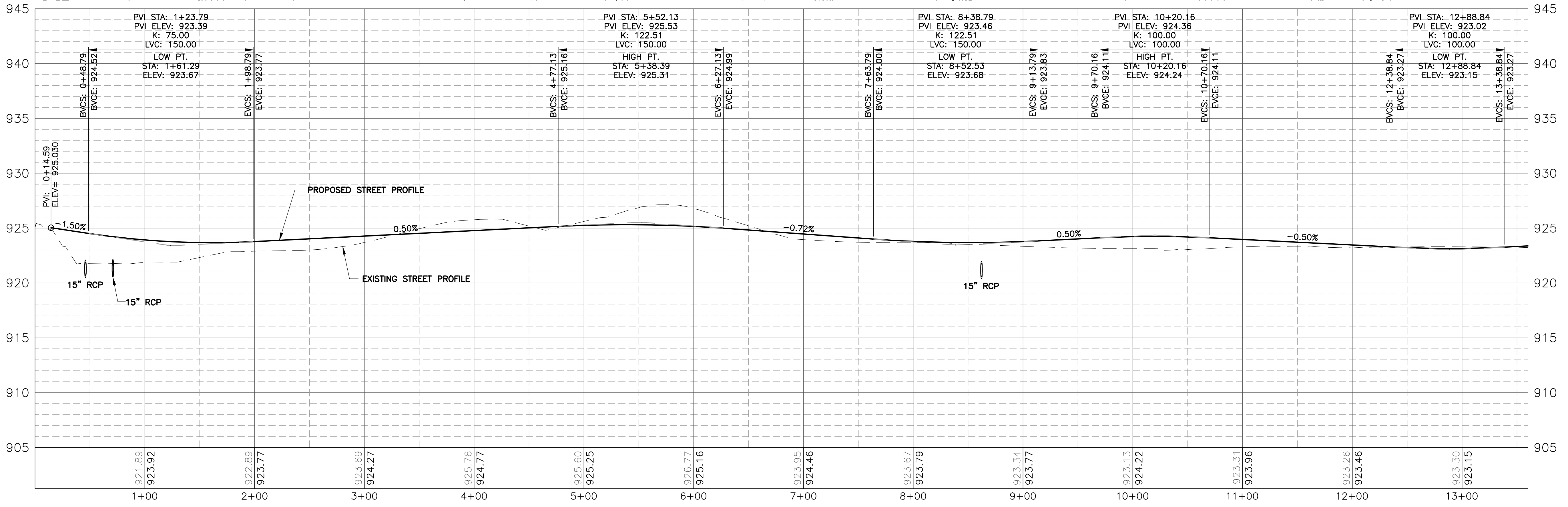
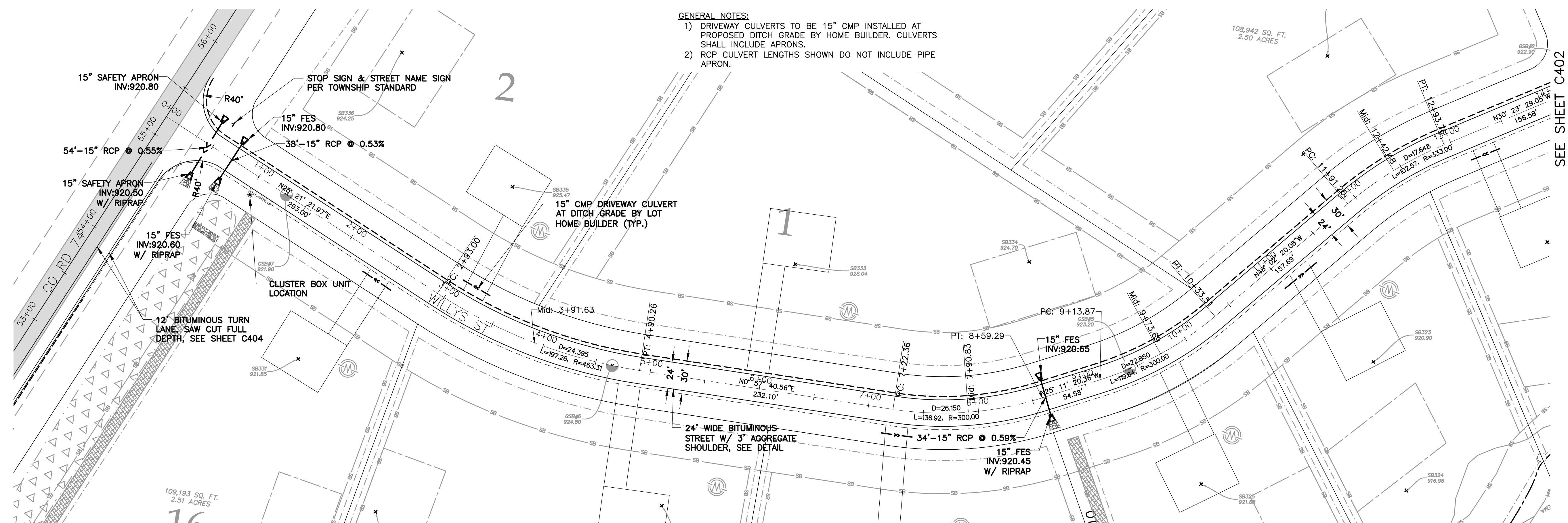
COUNTY ROAD RW: 40 FEET
 FRONT: 40 FEET
 REAR: 30 FEET
 SIDE: 10 FEET
 SIDE CORNER: 20 FEET

R-1 LOT STANDARDS

MINIMUM LOT SIZE: 2.5 ACRES
 MINIMUM ROAD FRONTAGE: 150 FEET
 MINIMUM LOT WIDTH: 150 FEET
 BUILDABLE AREA, 1 FOOT ABOVE MOTTLED SOILS: 20,000 Sq. Ft.
 BUILDABLE AREA, 3 FEET ABOVE MOTTLED SOILS: 11,000 Sq. Ft.
 MAXIMUM IMPERVIOUS SURFACE: 25% of parcel or 25% of Buildable Area, whichever is more restrictive.



- GENERAL NOTES:
- 1) DRIVEWAY CULVERTS TO BE 15" CMP INSTALLED AT PROPOSED DITCH GRADE BY HOME BUILDER. CULVERTS SHALL INCLUDE APRONS.
 - 2) RCP CULVERT LENGTHS SHOWN DO NOT INCLUDE PIPE APRON.



Print Date: 7/20/2023 9:11 AM
File Loc: C:\CIVIL\Methods, Inc\GMI - Documents\17 - Projects\0731_Dellwood Const\Drawings\DRM\DWG\08_DRAWINGS_AND_SPECIFICATIONS\CAD\Sheets\PRELIM\RYC401 - STREET PLAN WILLYS ST.dwg

CIVIL METHODS, INC.
 P.O. Box 28038
 St. Paul, MN 55128
 o: 763.210.5713 | www.civilmethods.com

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

David M. Poggi
 DAVID M. POGGI
 DATE: 07-19-2023
 LIC. NO.: 44573

DESIGNED: DMP
 DRAWN: DMP
 CHECKED: KEB

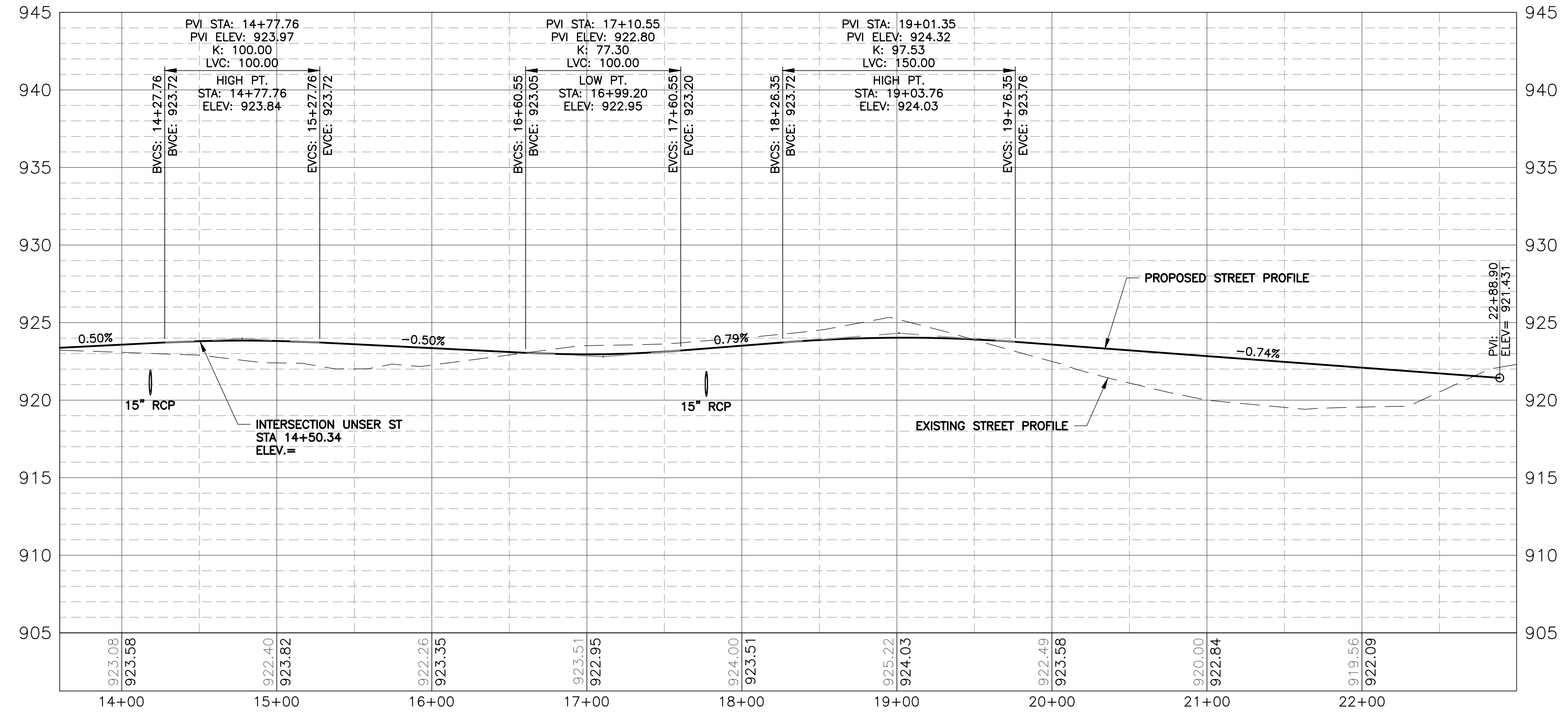
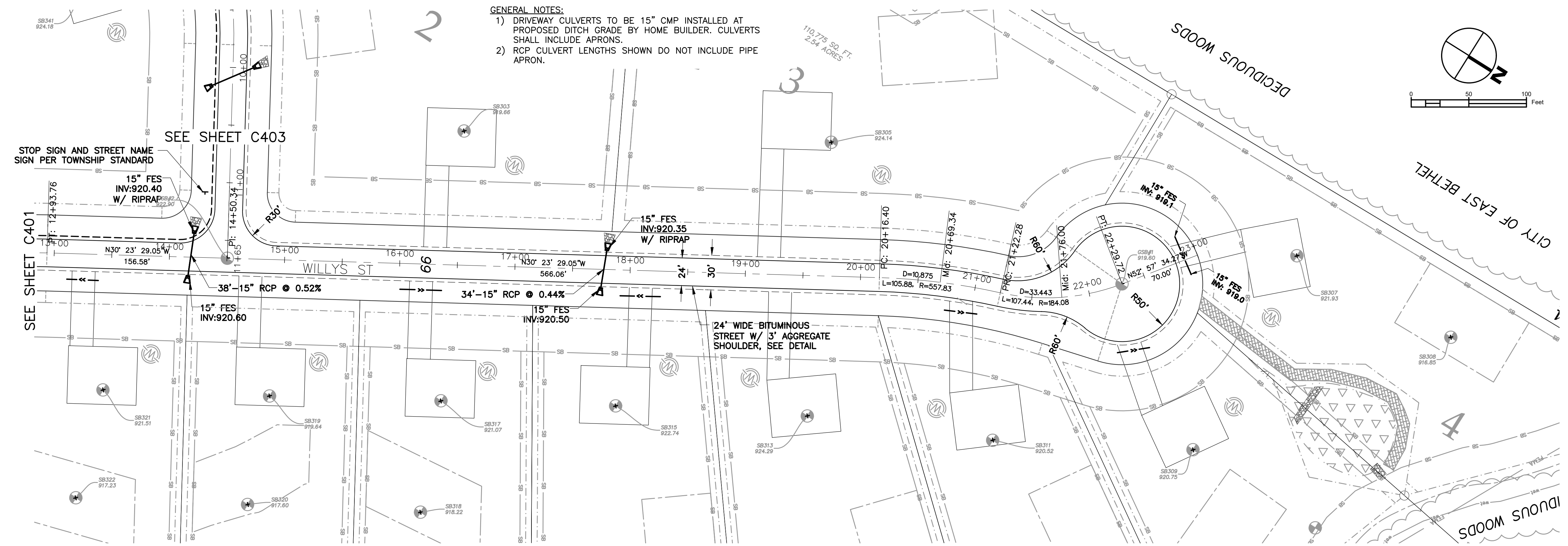
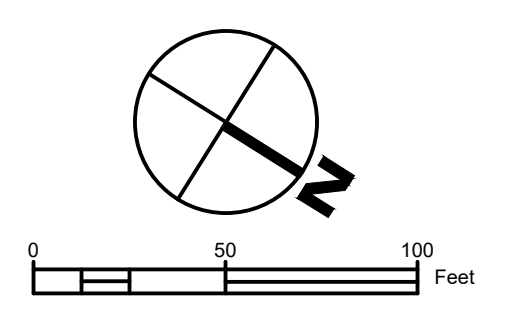
DATE / REVISION:
 03-06-2023 Preliminary Review Set. NOT FOR CONSTRUCTION
 05-11-2023 Revised per Township review.
 06-22-2023 Revised per Township & ACHD review.
 07-18-2023 Revised per Township & ACHD review (revised sign requirements).
 07-19-2023 Revised street section detail.

DELLWOOD CONST. LTD
 DELLWOOD COUNTRY ESTATES
 LINWOOD TOWNSHIP, MN

STREET PLAN & PROFILE
WILLYS ST

SHEET NO:
C401

- GENERAL NOTES:**
- 1) DRIVEWAY CULVERTS TO BE 15" CMP INSTALLED AT PROPOSED DITCH GRADE BY HOME BUILDER. CULVERTS SHALL INCLUDE APRONS.
 - 2) RCP CULVERT LENGTHS SHOWN DO NOT INCLUDE PIPE APRON.



Print Date: 7/20/2023 9:11 AM
 File Loc: C:\CIVIL\Methods, Inc\GMI - Documents\17 - Projects\0731 - Dellwood Const\Drawings\08 - Drawings AND SPECIFICATIONS\CAD\Sheets\PRELIM\RY\C402 - STREET P&P\WILLYS 2.dwg

CIVIL METHODS, INC.
 P.O. Box 28038
 St. Paul, MN 55128
 o: 763.210.5713 | www.civilmethods.com

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

David M. Poggi
 DAVID M. POGGI
 DATE: 07-19-2023
 LIC. NO.: 44573

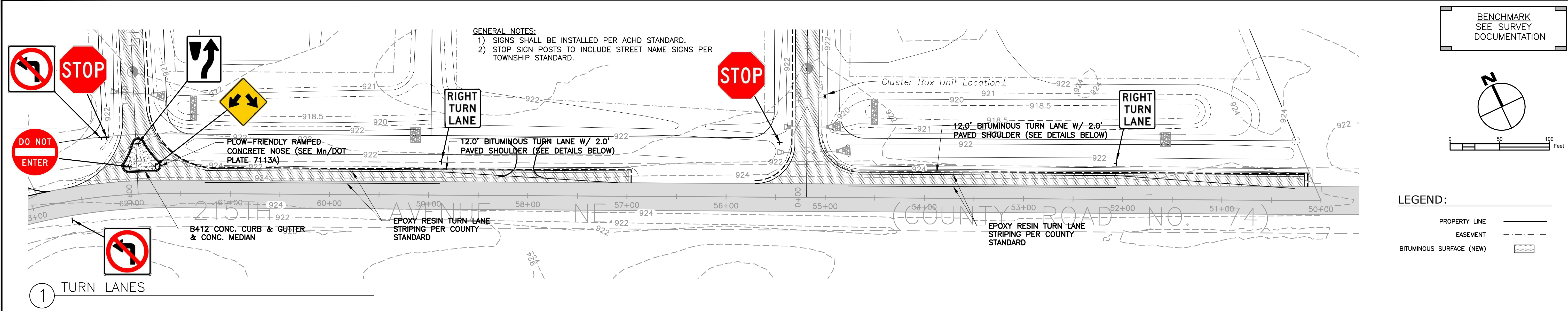
DESIGNED: DMP
 DRAWN: DMP
 CHECKED: KEB

DATE / REVISION:
 03-06-2023 Preliminary Review Set. NOT FOR CONSTRUCTION
 05-11-2023 Revised per Township review.
 06-22-2023 Revised per Township & ACHD review.
 07-18-2023 Revised per Township & ACHD review (revised sign requirements).
 07-19-2023 Revised street section detail.

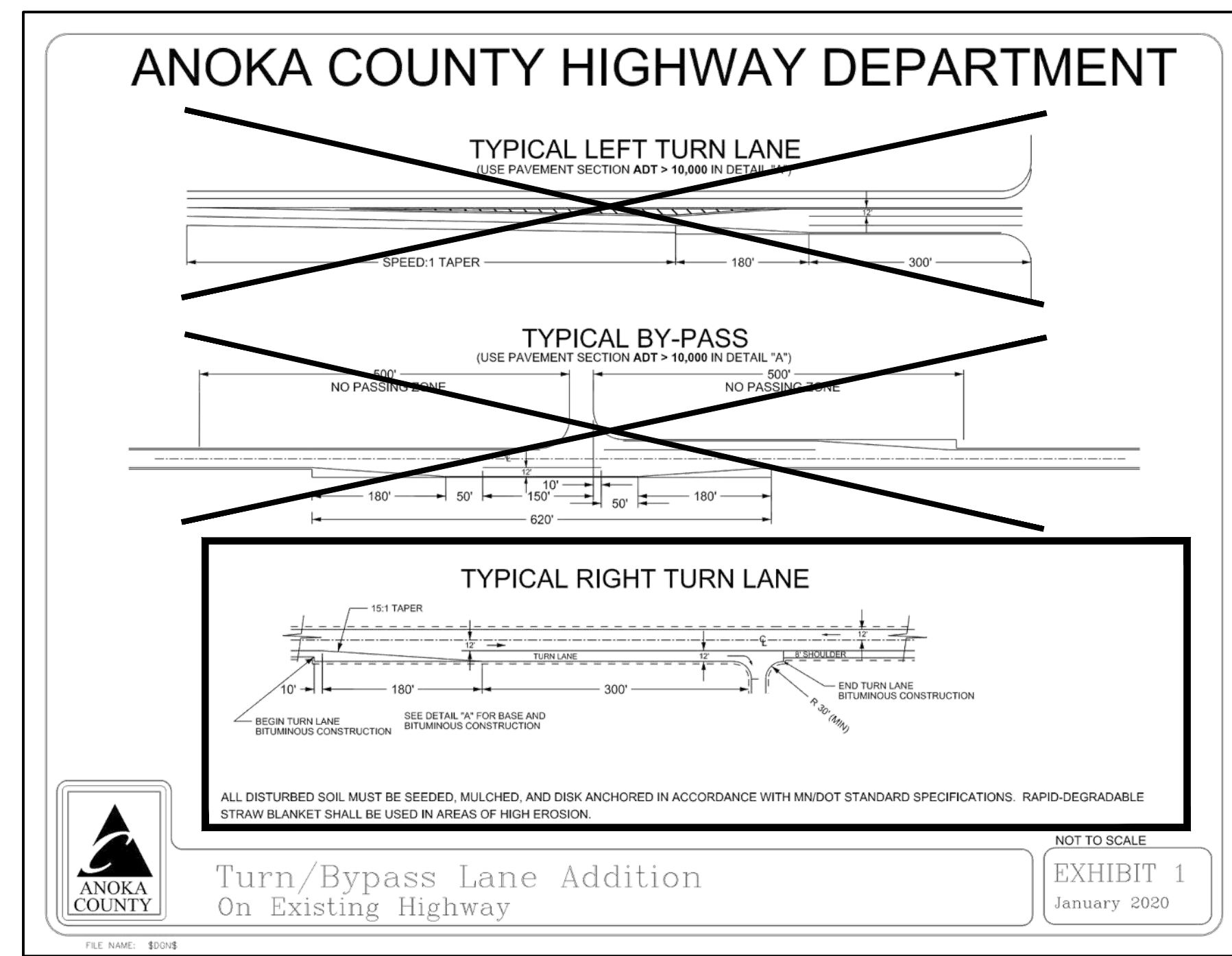
DELLWOOD CONST. LTD
 DELLWOOD COUNTRY ESTATES
 LINWOOD TOWNSHIP, MN

STREET PLAN & PROFILE
WILLYS ST

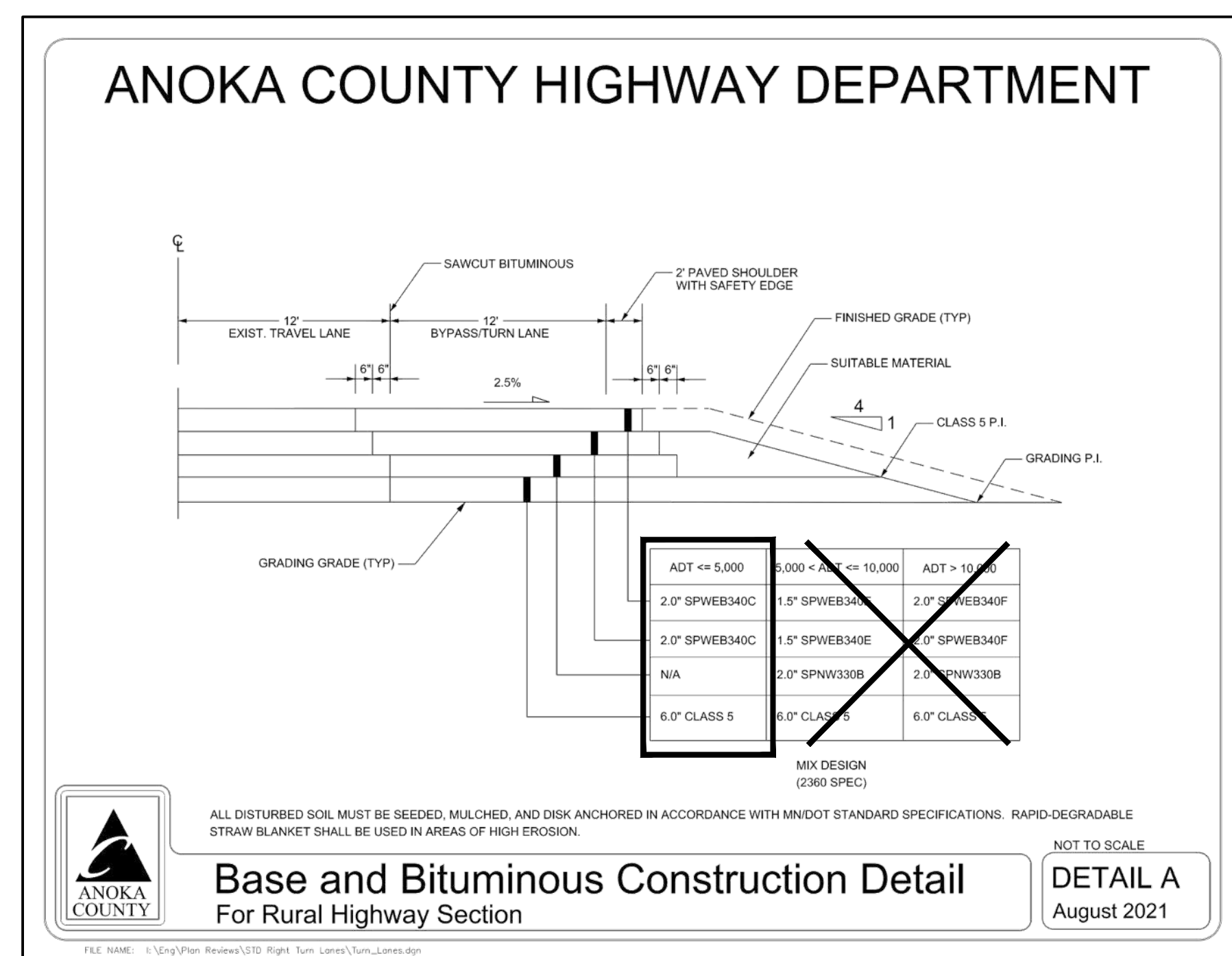
SHEET NO:
C402



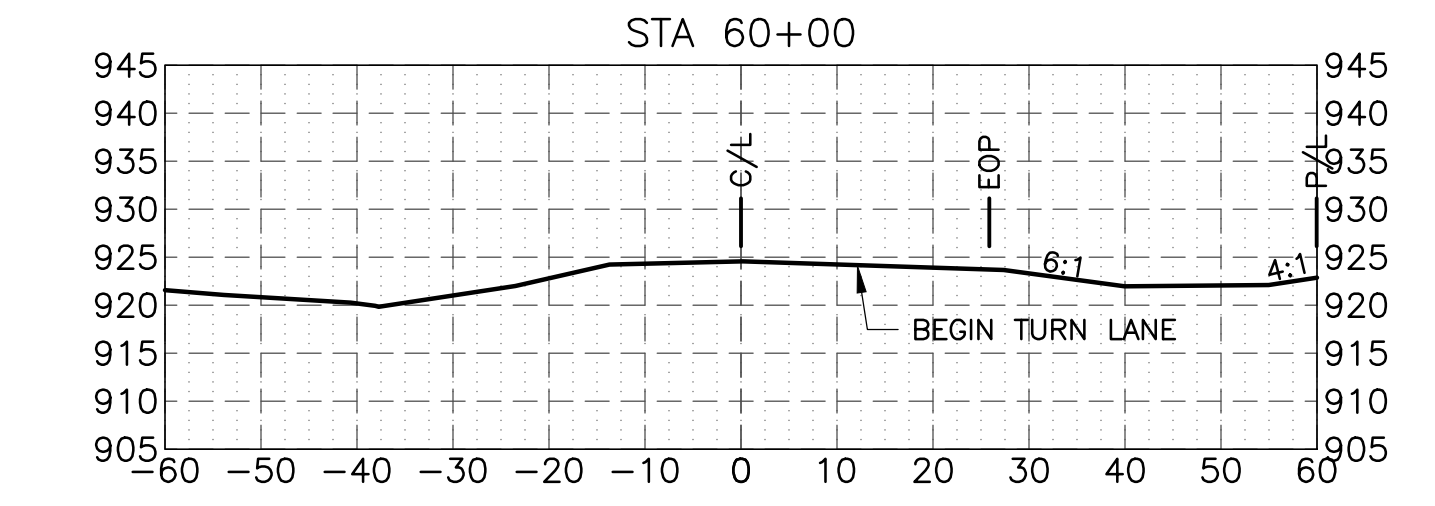
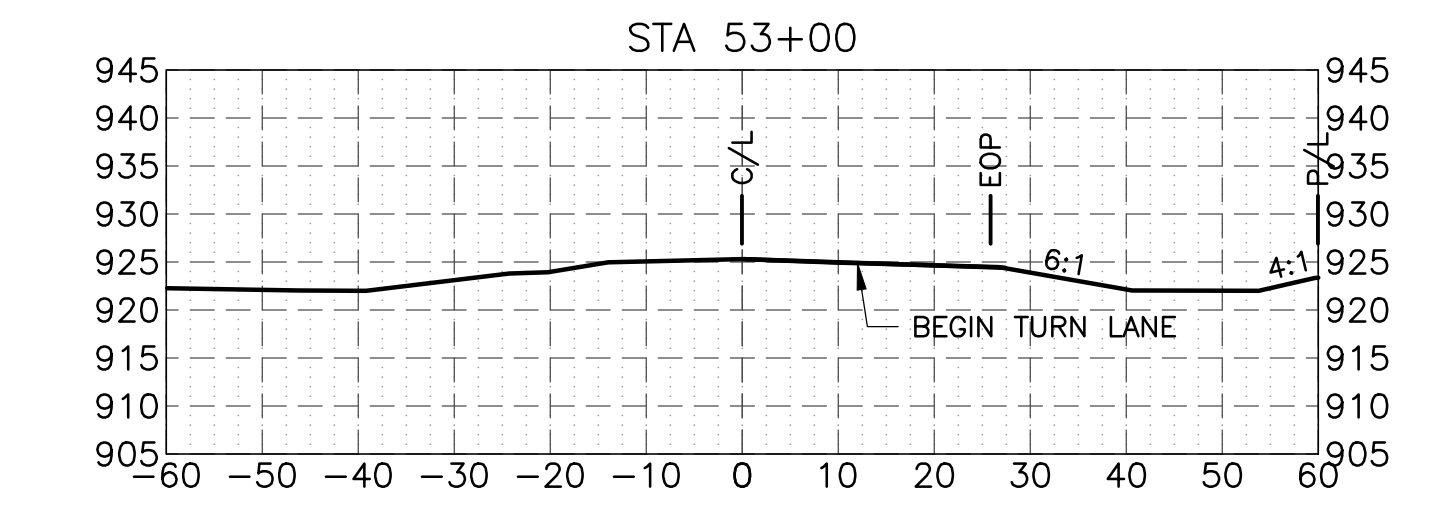
1 TURN LANES



2 TURN LANE PLAN



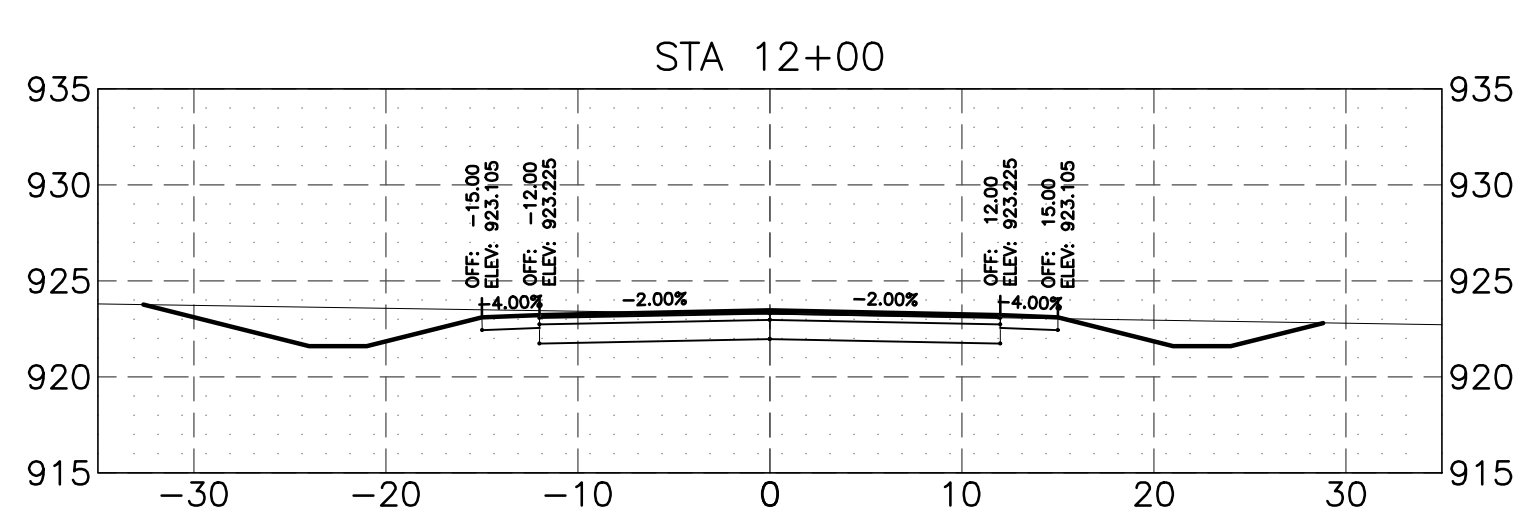
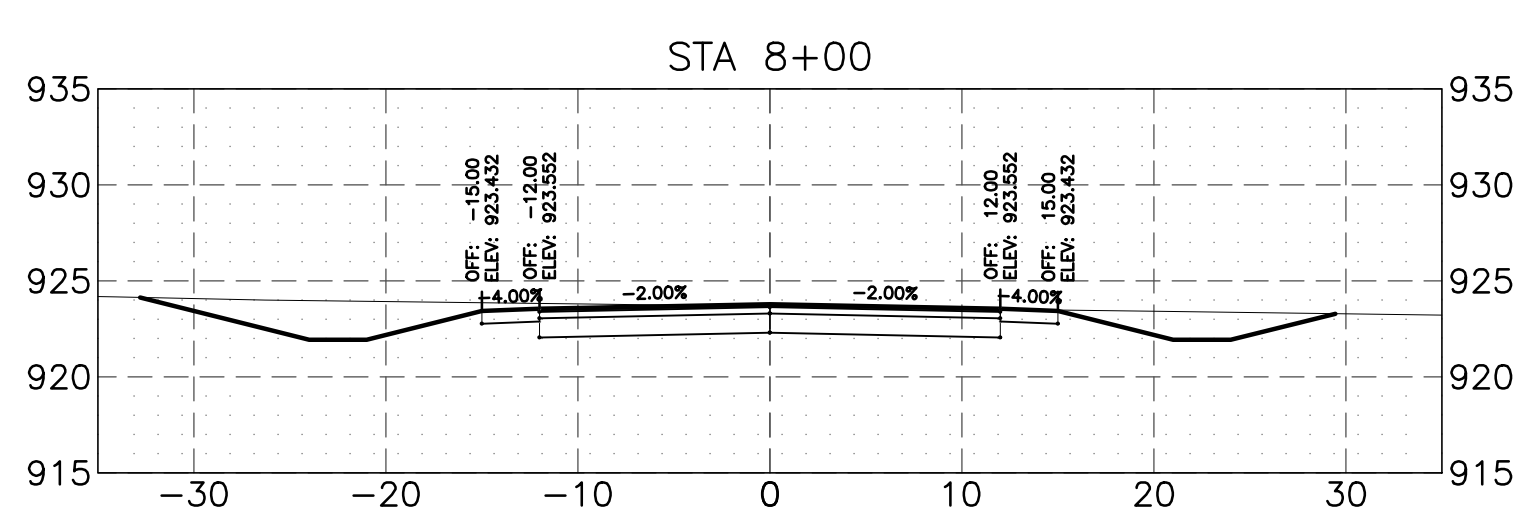
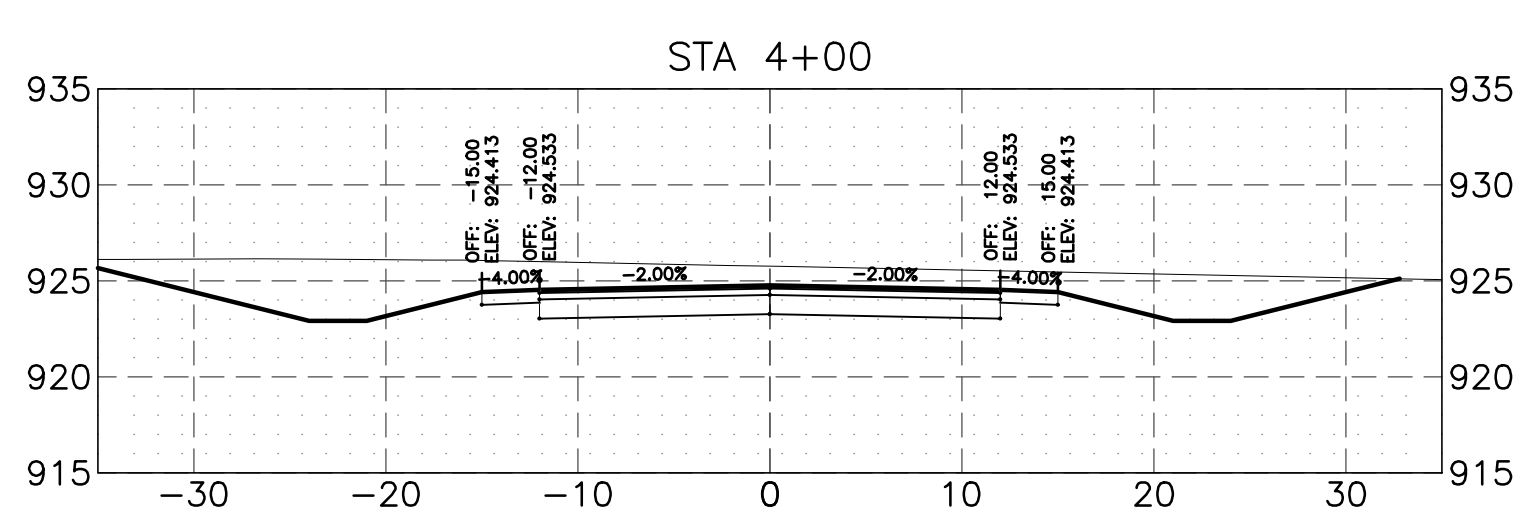
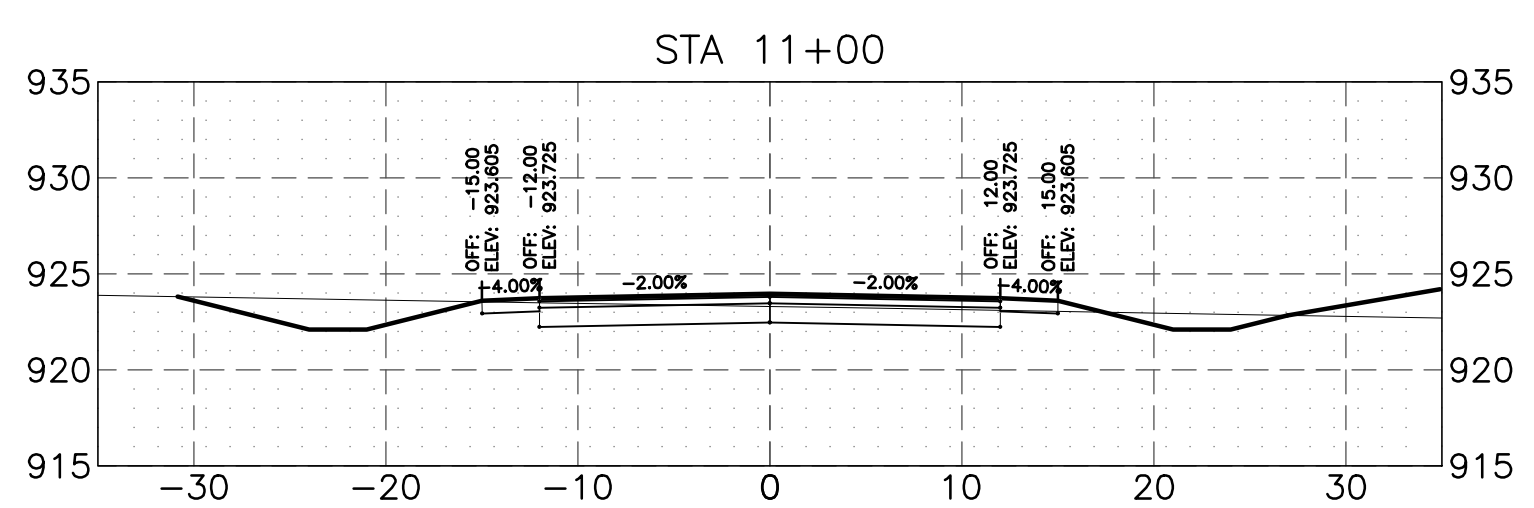
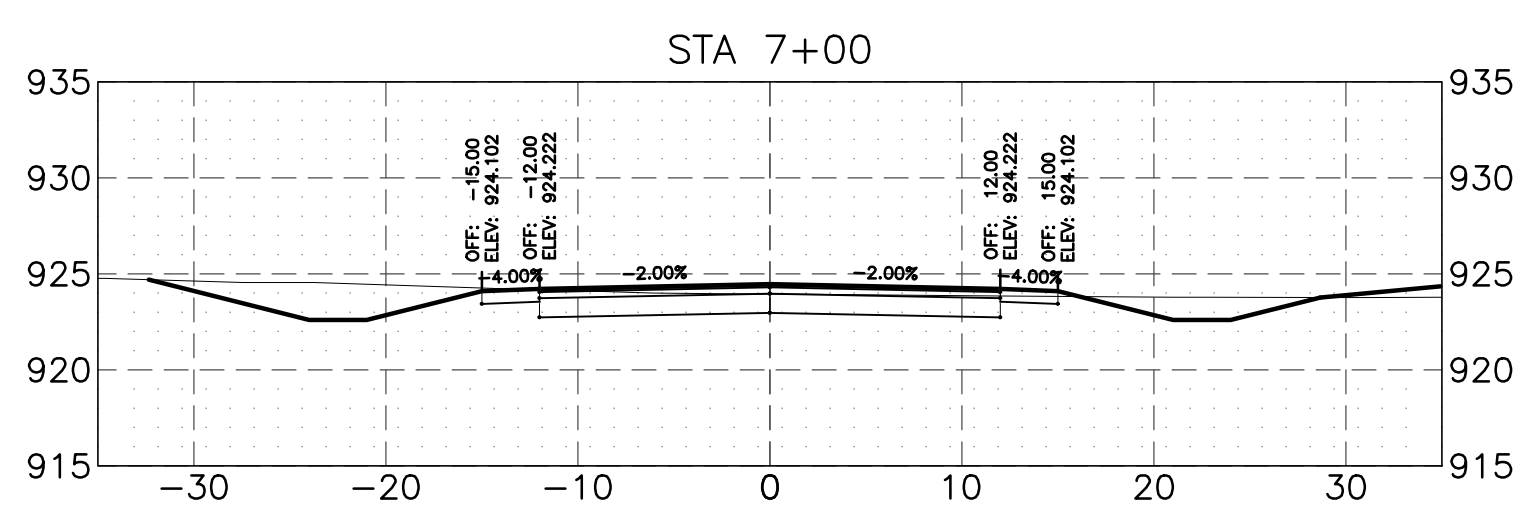
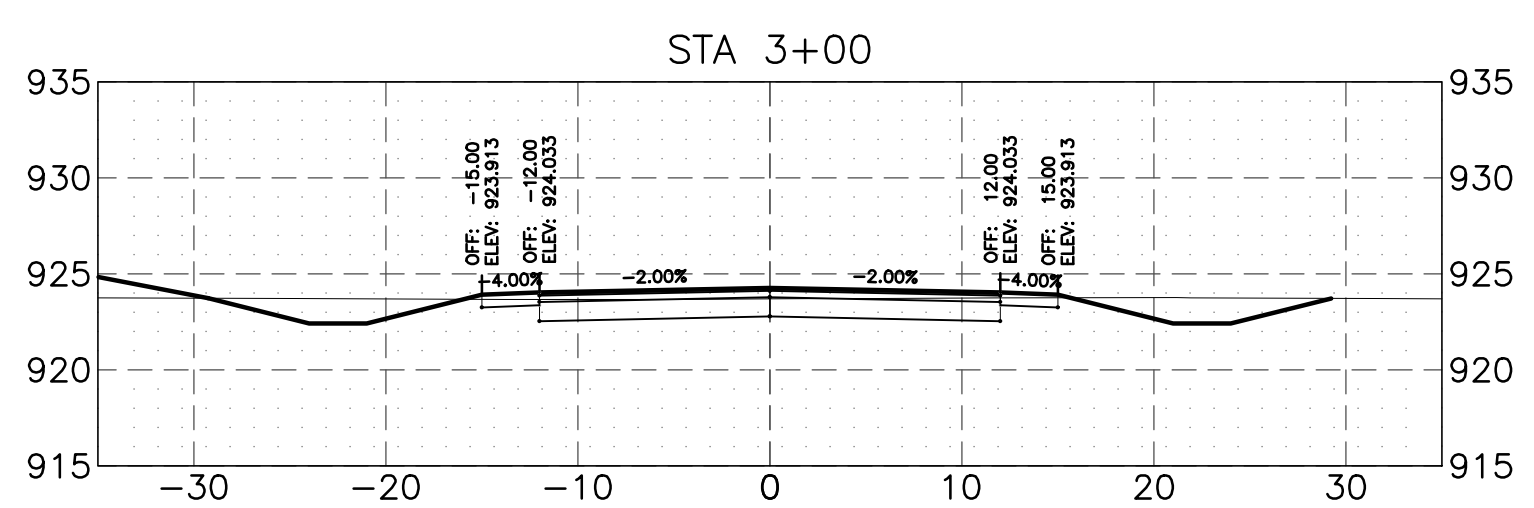
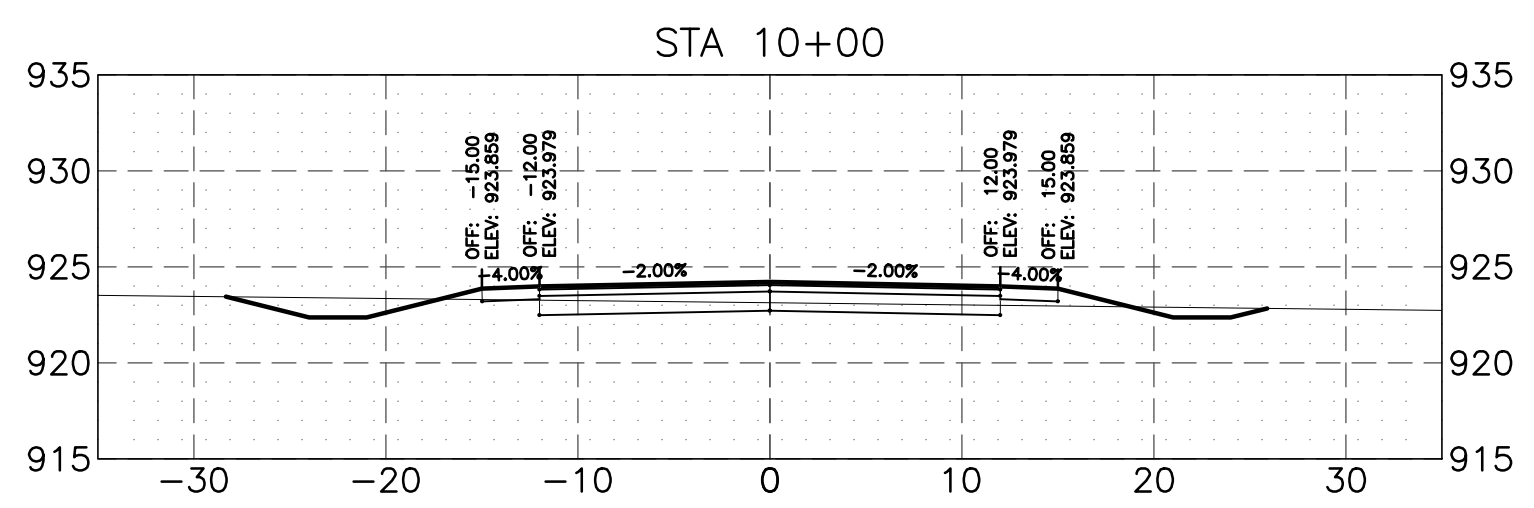
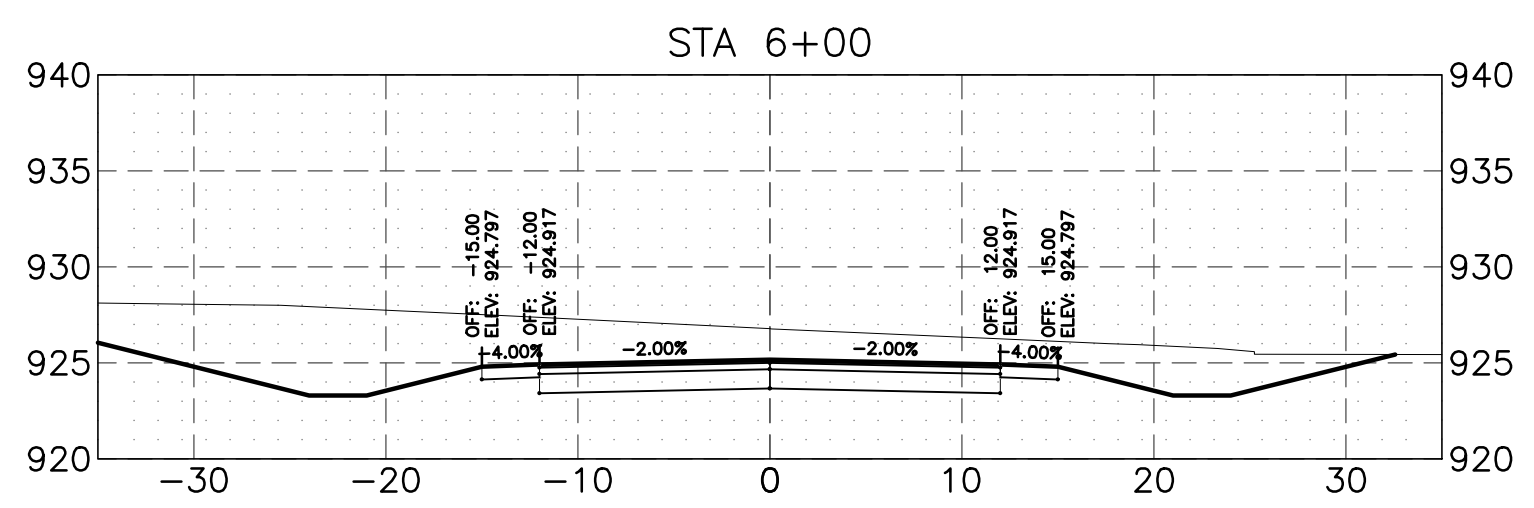
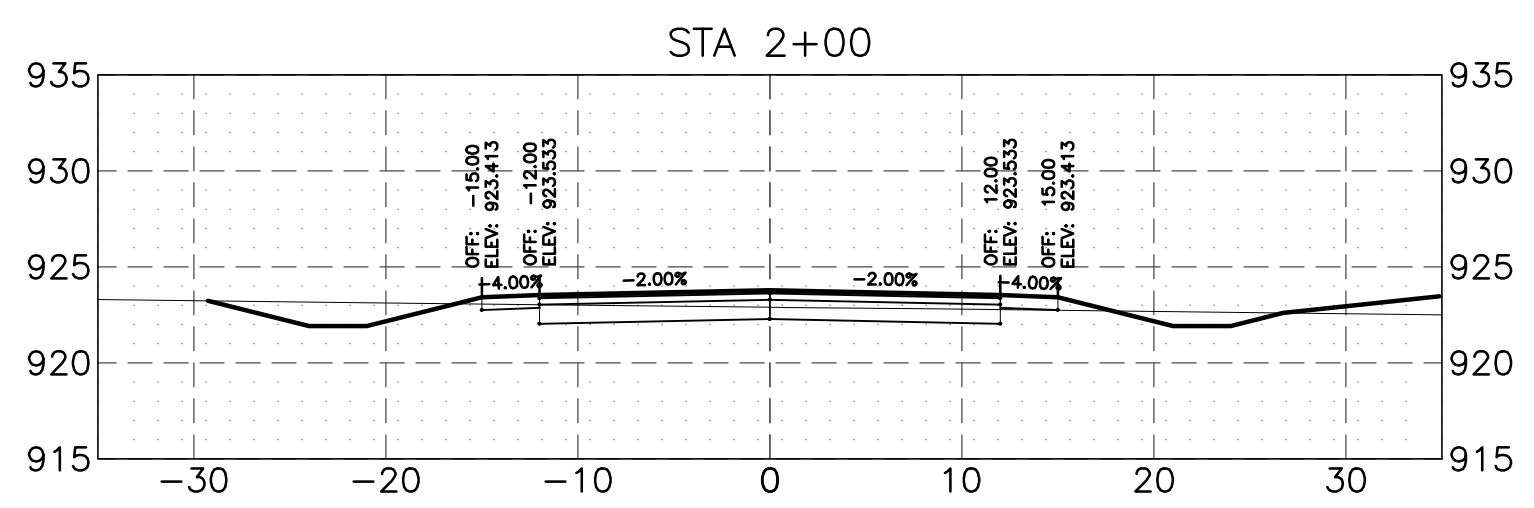
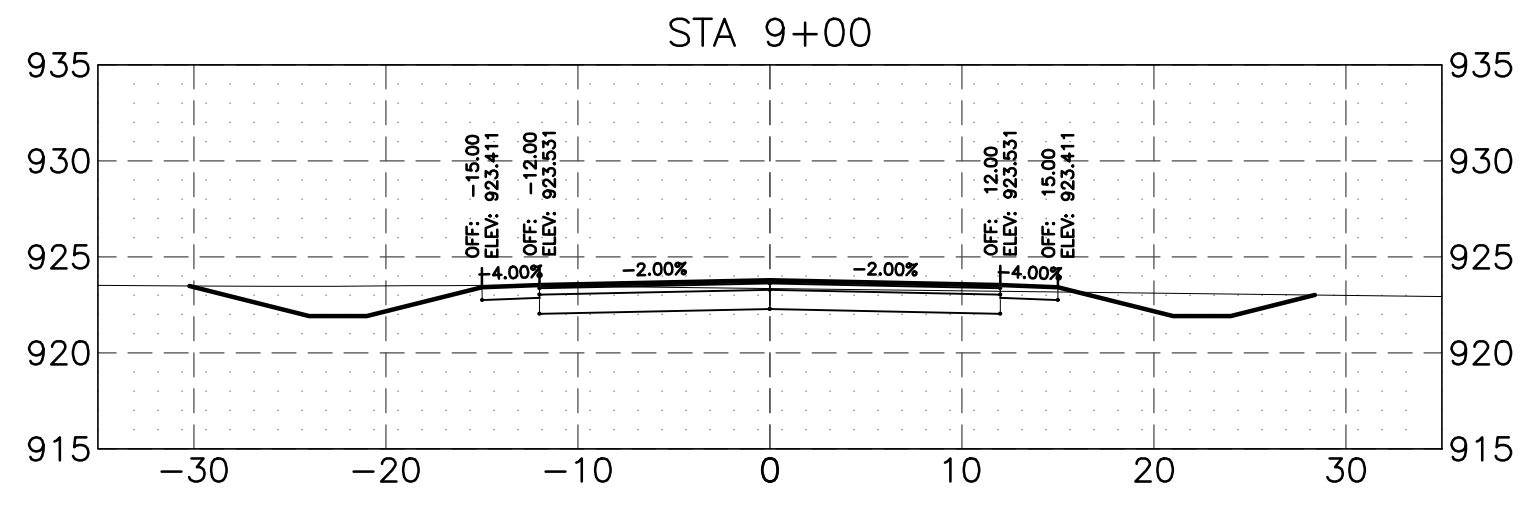
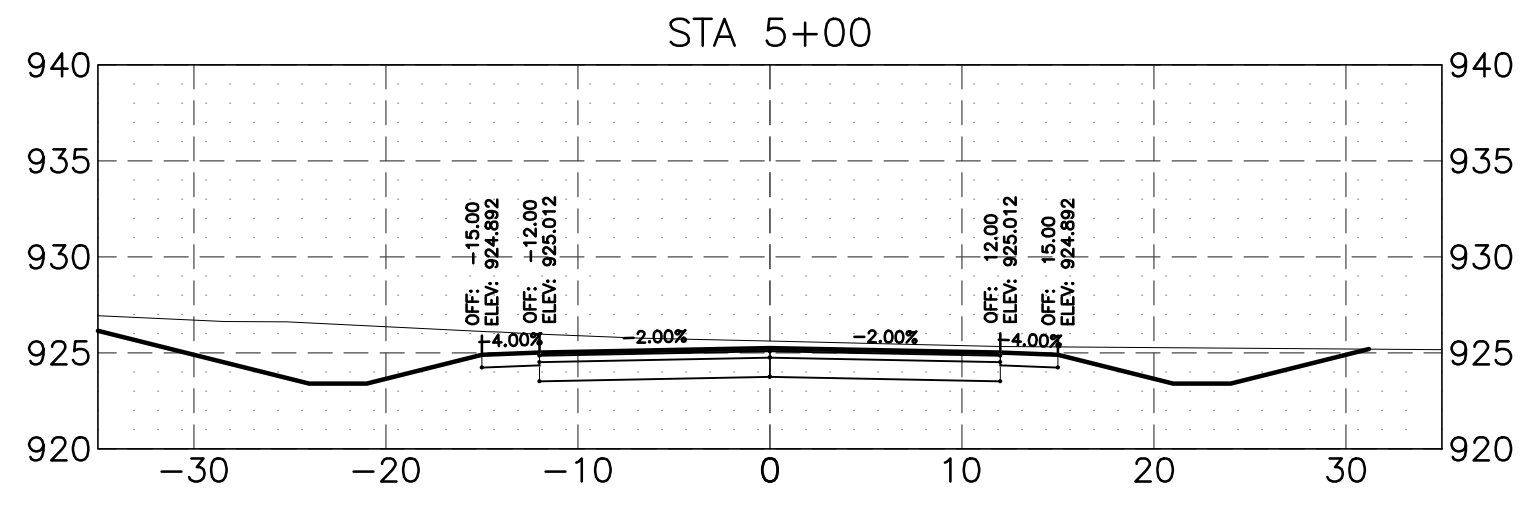
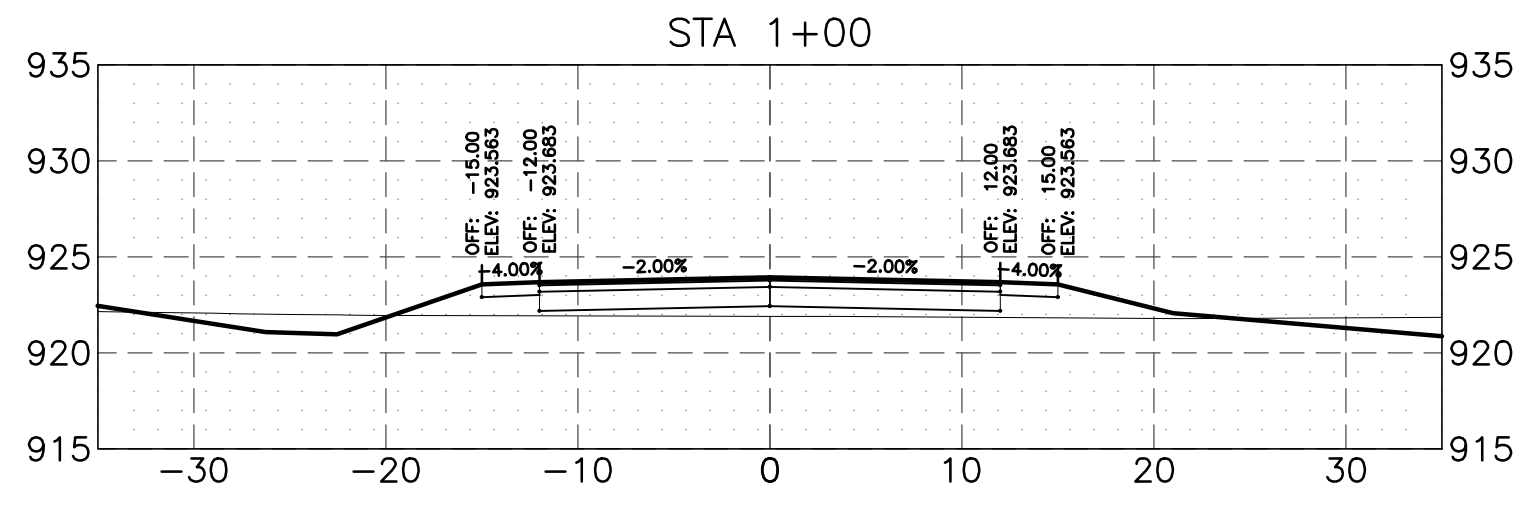
3 TURN LANE SECTION



3 CR74 CROSS SECTIONS

Print Date: 7/20/2023 9:12 AM
 File Loc: C:\CIVIL\Methods, Inc\CDM - Documents\17 - Projects\0731_Dellwood Const\Drawings_Dellwood County Estates\08_DRAWINGS AND SPECIFICATIONS\CAD\Sheets\PRELIMINARY\C404-STREET TURN LANES.dwg

Print Date: 7/20/2023 9:12 AM
File Loc: C:\CIVIL\Methods, Inc\GMI - Documents\17 Projects\0731_Dellwood Const\roads_Sheets\PRELIM\RYC405_CROSS SECTIONS WILLYS 1.rvt



CIVIL METHODS, INC.
 P.O. Box 28038
 St. Paul, MN 55128
 o: 763.210.5713 | www.civilmethods.com

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

David M. Poggi
 DAVID M. POGGI
 DATE: 07-19-2023
 LIC. NO.: 44573

DESIGNED: DMP
 DRAWN: DMP
 CHECKED: KEB

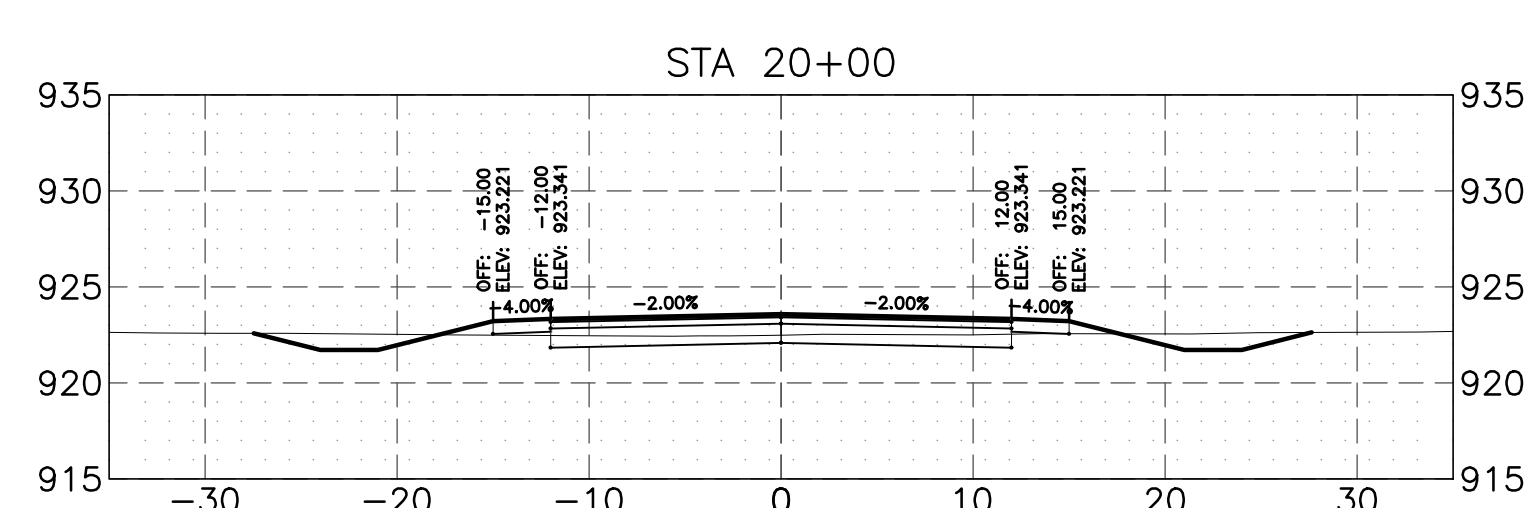
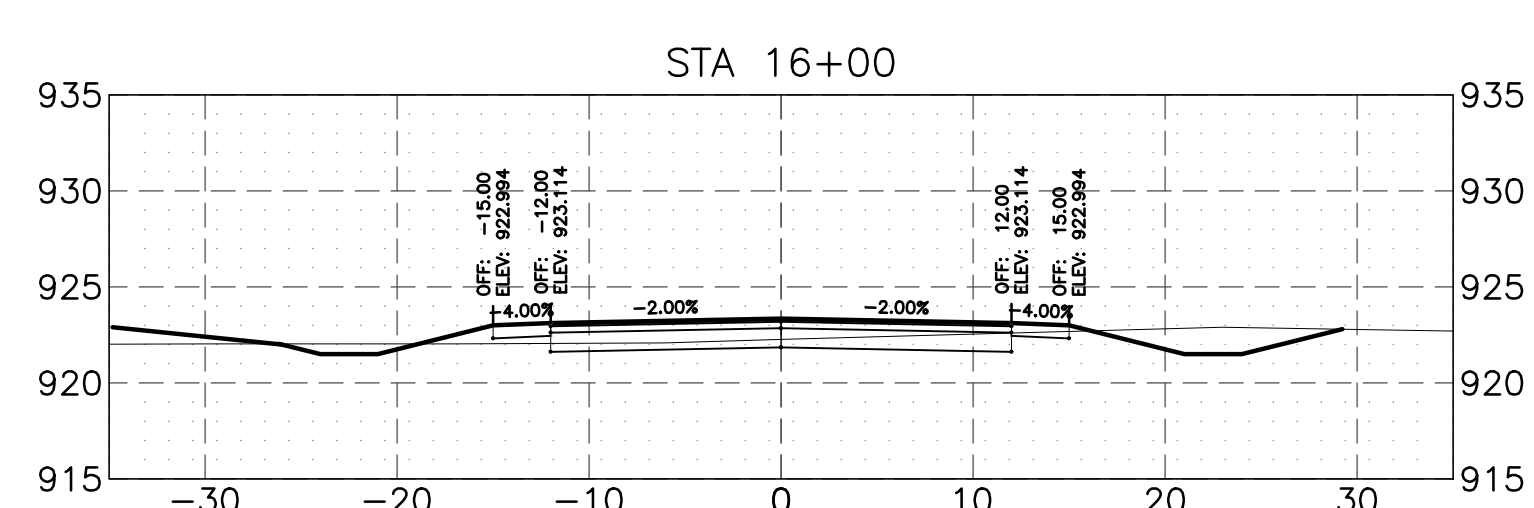
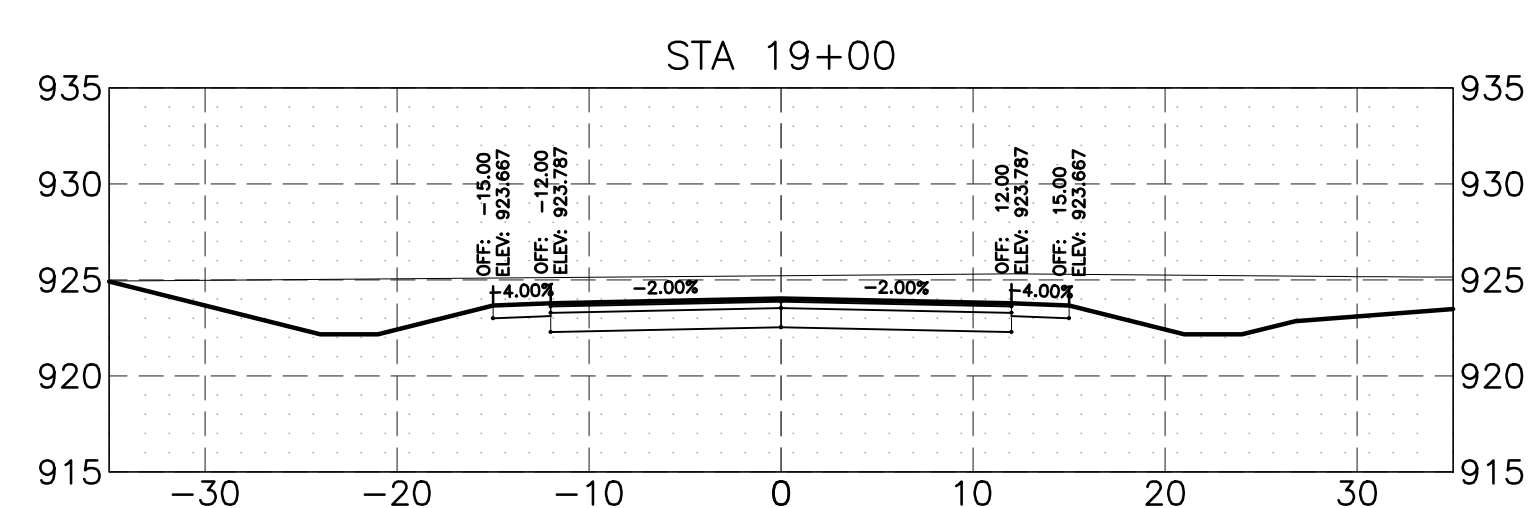
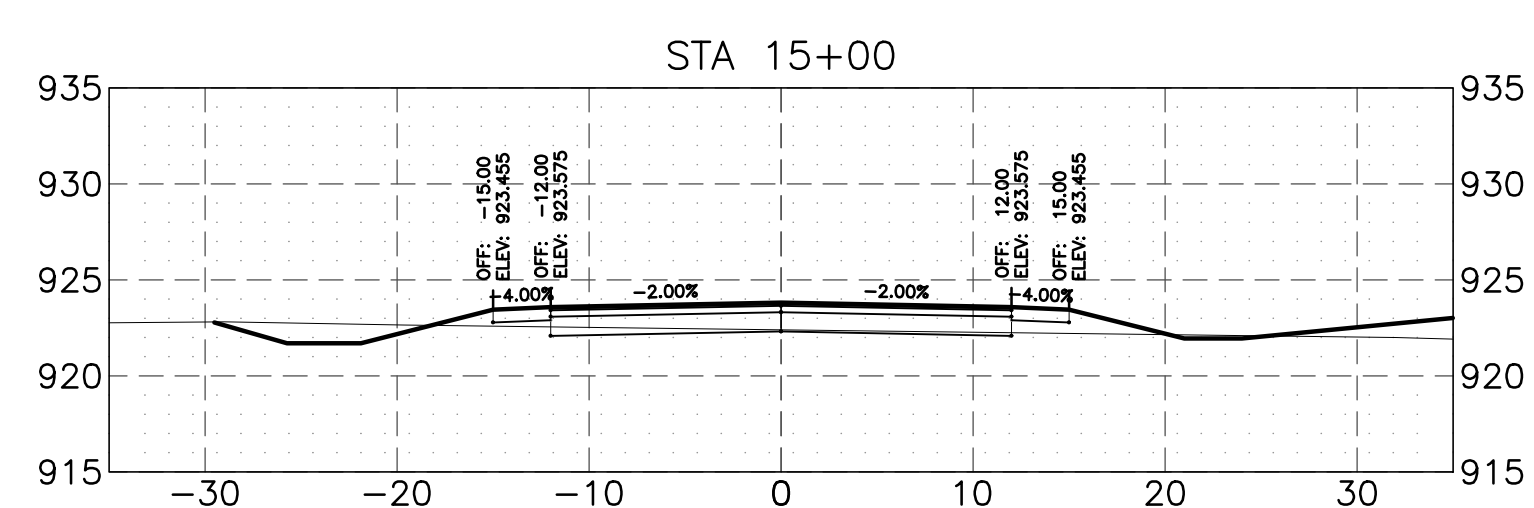
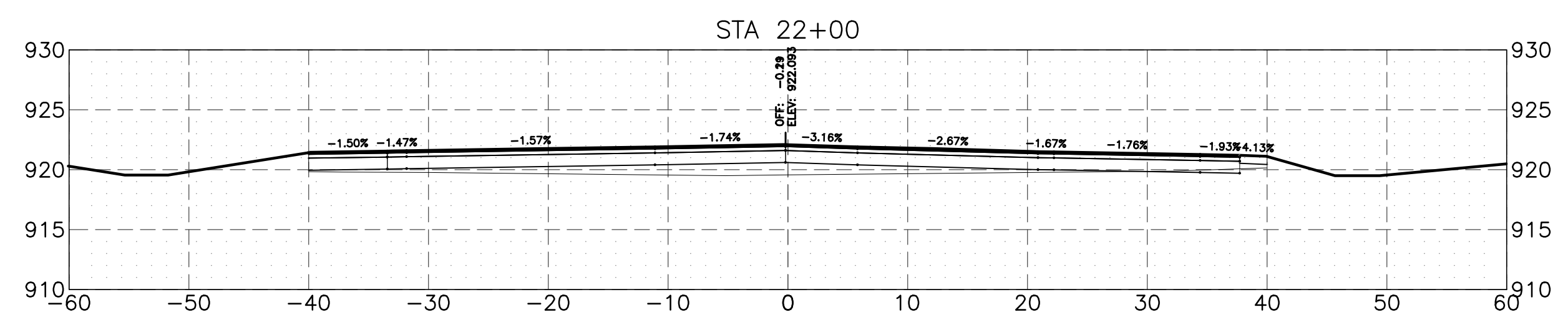
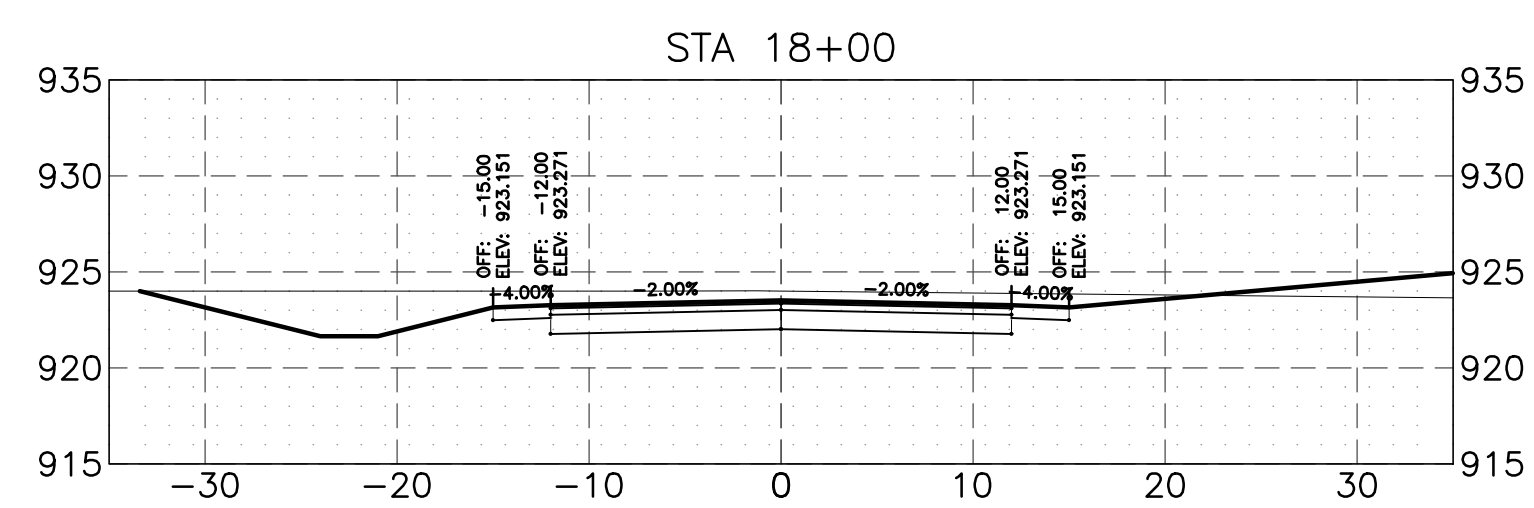
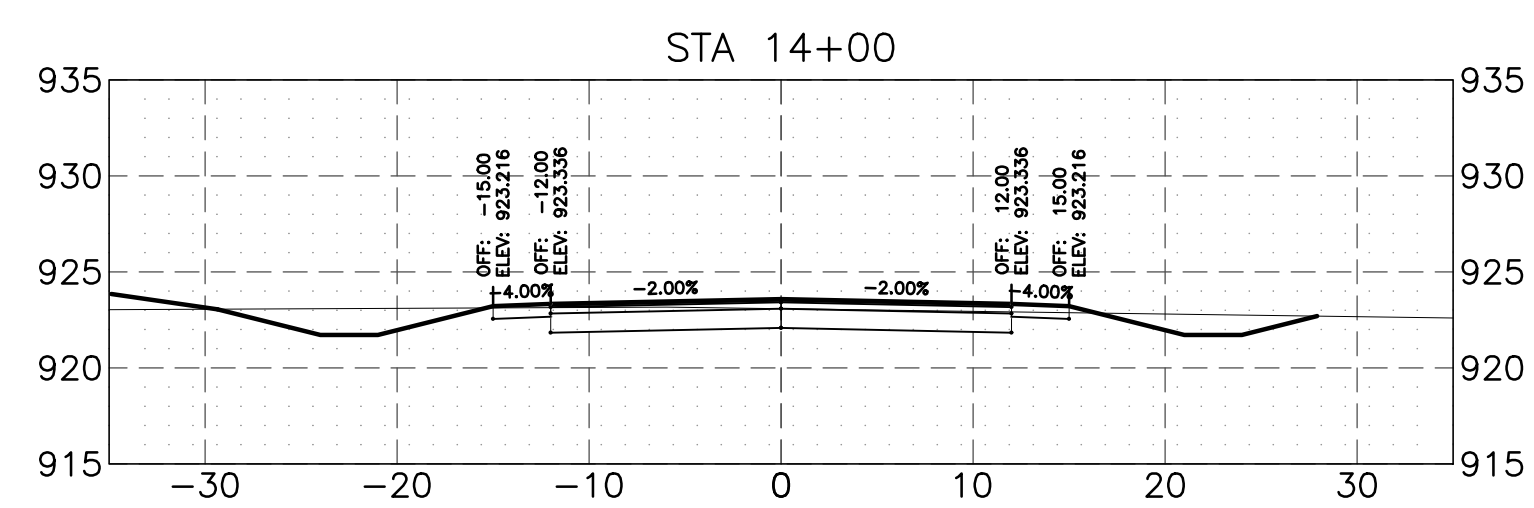
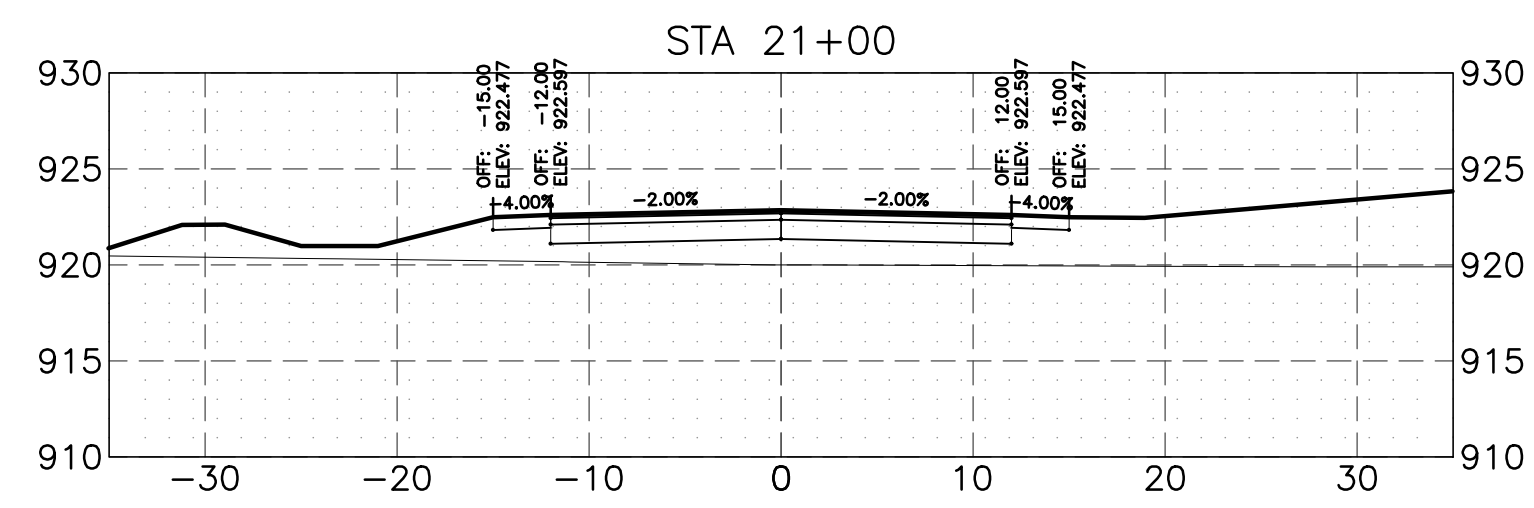
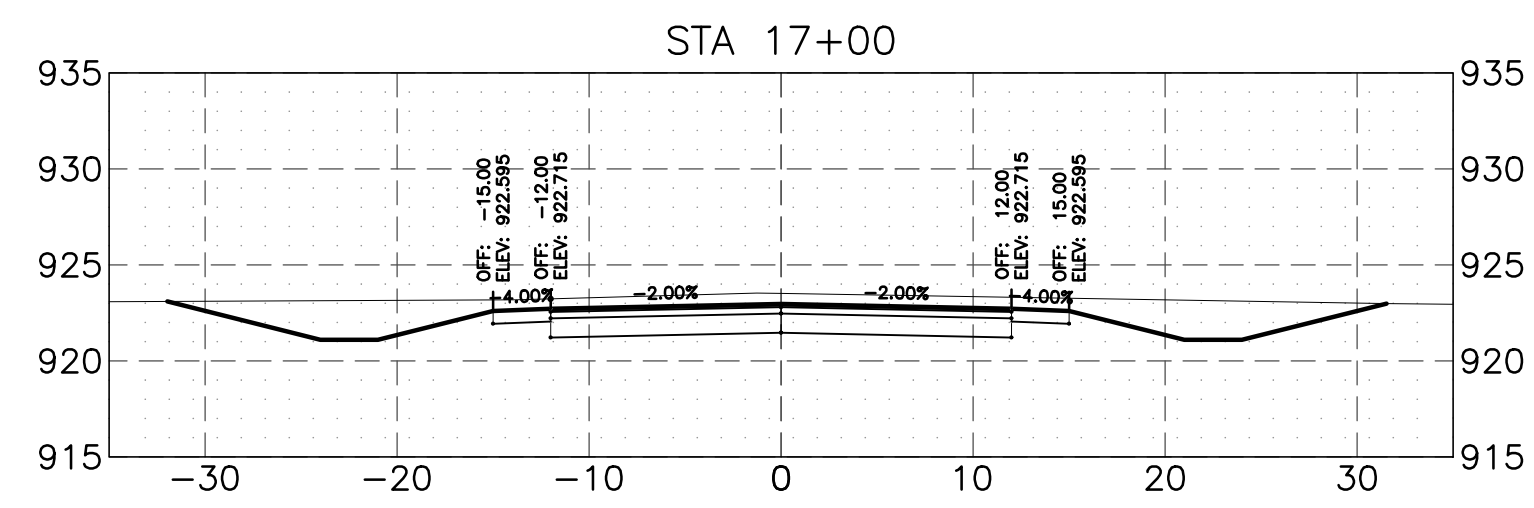
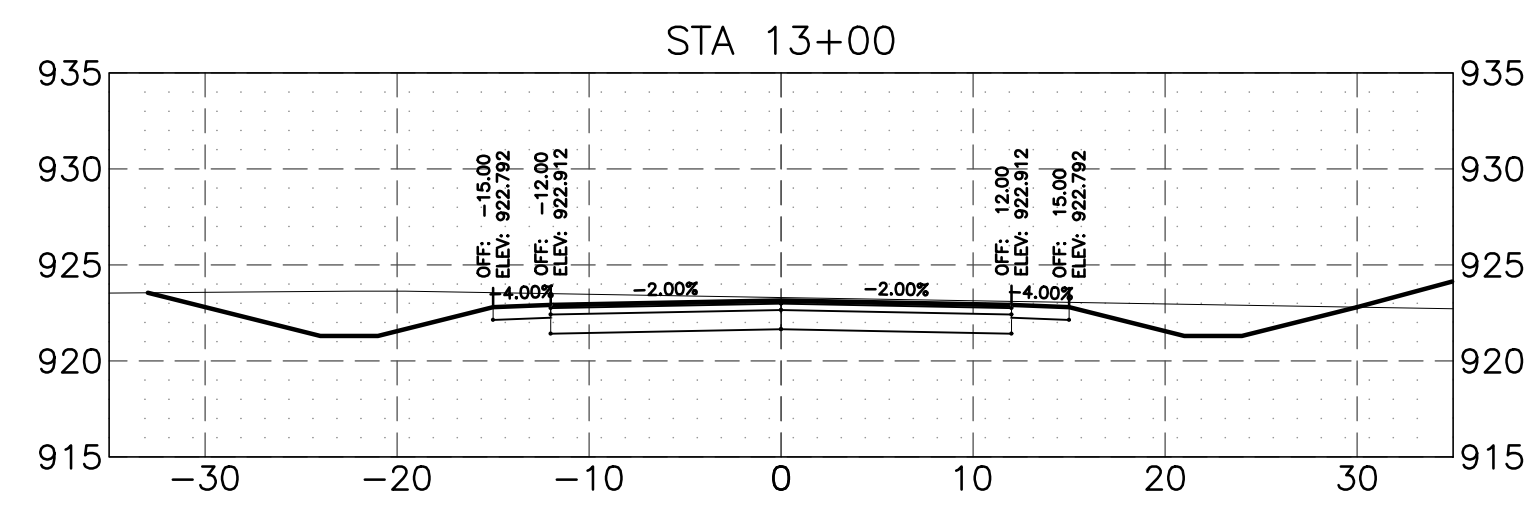
DATE / REVISION:
 03-06-2023 Preliminary Review Set. NOT FOR CONSTRUCTION
 05-11-2023 Revised per Township review.
 06-22-2023 Revised per Township & ACHD review.
 07-18-2023 Revised per Township & ACHD review (revised sign requirements).
 07-19-2023 Revised street section detail.

DELLWOOD CONST. LTD
 DELLWOOD COUNTRY ESTATES
 LINWOOD TOWNSHIP, MN

**ROAD CROSS SECTIONS
 WILLYS ST**

SHEET NO:
C405

Print Date: 7/20/2023 9:13 AM
File Loc: C:\CIC\Civil Methods, Inc\COM - Documents\7. Projects\0731_Dellwood Const\Drawings\Drawings\PRELIMINARY\C406_CROSS SECTIONS WILLYS ST.dwg



CIVIL METHODS, INC.
 P.O. Box 28038
 St. Paul, MN 55128
 o: 763.210.5713 | www.civilmethods.com

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

David M. Poggi
 DAVID M. POGGI
 DATE: 07-19-2023
 LIC. NO.: 44573

DESIGNED: DMP
 DRAWN: DMP
 CHECKED: KEB

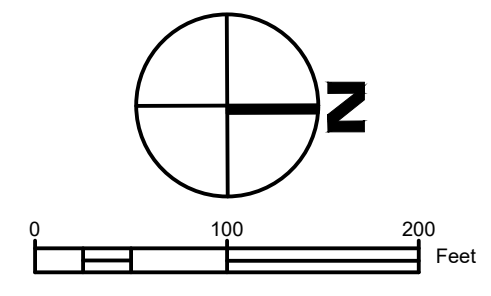
DATE / REVISION:
 03-06-2023 Preliminary Review Set. NOT FOR CONSTRUCTION
 05-11-2023 Revised per Township review.
 06-22-2023 Revised per Township & ACHD review.
 07-18-2023 Revised per Township & ACHD review (revised sign requirements).
 07-19-2023 Revised street section detail.

DELLWOOD CONST. LTD
 DELLWOOD COUNTRY ESTATES
 LINWOOD TOWNSHIP, MN

ROAD CROSS SECTIONS
WILLYS ST

SHEET NO:
C406

BENCHMARK
SEE SURVEY
DOCUMENTATION

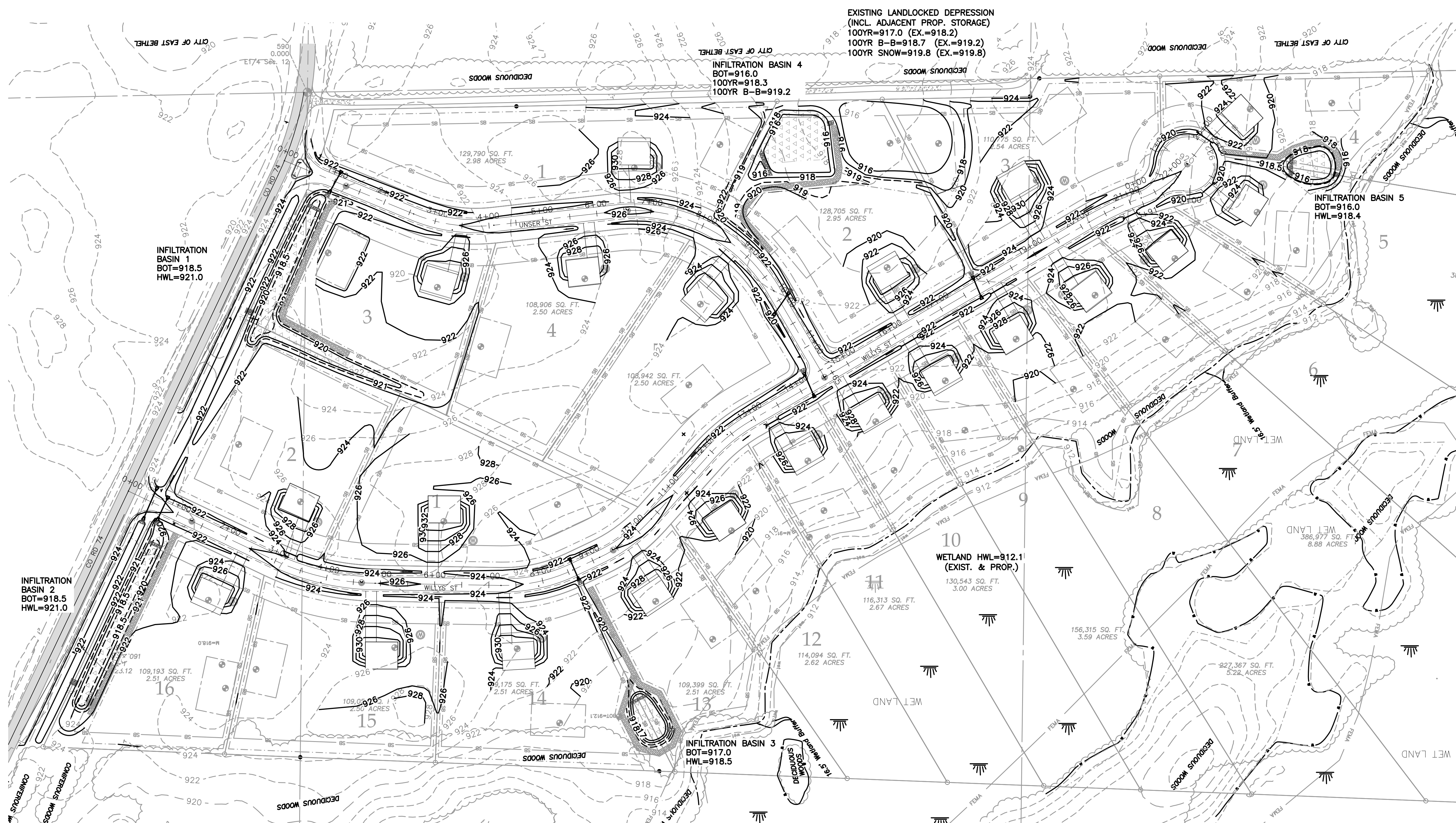


LEGEND:

PROPERTY LINE	---
SETBACK	---
EASEMENT	---
WETLAND	WET
CONTOUR	---
SPOT ELEVATION	▲
DRAINAGE DIRECTION	---
STORM SEWER / CULVERT	---
RIPRAP	---
SEPTIC SITE	---
INFILTRATION BASIN	---
VEHICLE MAINTENANCE ACCESS AREA	---

BACK PAD ELEV. (0.5' BELOW LOW OPENING, MIN.)
 HOUSE TYPE (WALKOUT)
 FB = FULL BASEMENT
 LO = LOOKOUT
 SEWO* = SPLIT LEVEL WALKOUT*
 NO. OF COURSES GARAGE DROPPED
 LL = LOW LEVEL ELEV.
 TF = TOP OF FOUNDATION / BLOCK ELEV.
 G = GARAGE ELEV.

TYPICAL LOT & HOUSE PAD



GENERAL NOTES:

- The subsurface utility location information in this plan is utility quality level D. This utility quality level was determined according to the guidelines of CI/ASCE 38-02, titled "Standard Guidelines for the Collection and Depiction of Existing Subsurface Utility Data." Engineer does not guarantee the accuracy of utility locations or that all existing utilities are shown; Contractor is responsible for locating utilities prior to digging.
- Construction shall comply with all applicable governing codes.
- Damaged items or property shall be repaired or replaced at Contractor's expense.
- See erosion control plan and SWPPP for required controls to be installed prior to site disturbance.
- Contours shown are to final grade.
- The first 15 ft of driveway shall be flat and is reflected in grades indicated. Driveways shall be approved by Township inspector.
- Driveways and driveway culverts (15" dia.) shall be installed per Township standards by home builder. Culverts shall be installed where indicated on these plans and shall include FES.
- Septic areas shall be marked prior to grading and shall not be disturbed.
- Maximum grading slope to be 4:1 (H:V).
- Road ditch grades at a minimum of 0.4%.
- Site dirt work is not necessarily balanced; additional cut or fill for lot balancing shall not impact overall drainage patterns.
- See Erosion Control, SWPPP, Details and Notes sheets for additional specifications.



Print Date: 7/20/2023 9:13 AM
File Loc: C:\CIVIL\Methods, Inc\CM - Documents\7. Projects\0731_Dellwood Const\Drawings\Specifications\CID\Sheets\PRELIMINARY\C501_GRADING.dwg

CIVIL METHODS, INC.
 P.O. Box 28038
 St. Paul, MN 55128
 o:763.210.5713 | www.civilmethods.com

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

David M. Poggi
 DAVID M. POGGI
 DATE: 07-19-2023
 LIC. NO.: 44573

DESIGNED: DMP
 DRAWN: DMP
 CHECKED: KEB

DATE / REVISION:
 03-06-2023 Preliminary Review Set. NOT FOR CONSTRUCTION
 05-11-2023 Revised per Township review.
 06-22-2023 Revised per Township & ACHD review.
 07-18-2023 Revised per Township & ACHD review (revised sign requirements).
 07-19-2023 Revised street section detail.

DELLWOOD CONST. LTD
 DELLWOOD COUNTRY ESTATES
 LINWOOD TOWNSHIP, MN

**GRADING & DRAINAGE
 COMPOSITE**

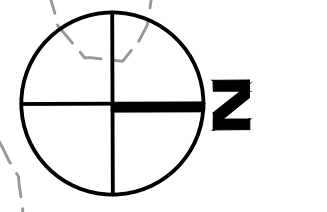
SHEET NO:
C500

BENCHMARK
SEE SURVEY
DOCUMENTATION

BACK PAD ELEV. (0.5' BELOW LOW
OPENING, MIN.)
HOUSE TYPE (WALKOUT)
FB = FULL BASEMENT
LO = LOOKOUT
SEWO* = SPLIT LEVEL WALKOUT
NO. OF COURSES GARAGE DROPPED
LOW LEVEL ELEV.
TOP OF FOUNDATION / BLOCK ELEV.
GARAGE ELEV.

*Lots graded as SEWO could potentially
be FBLO with reconfiguration of home
or pad area.

TYPICAL LOT & HOUSE PAD



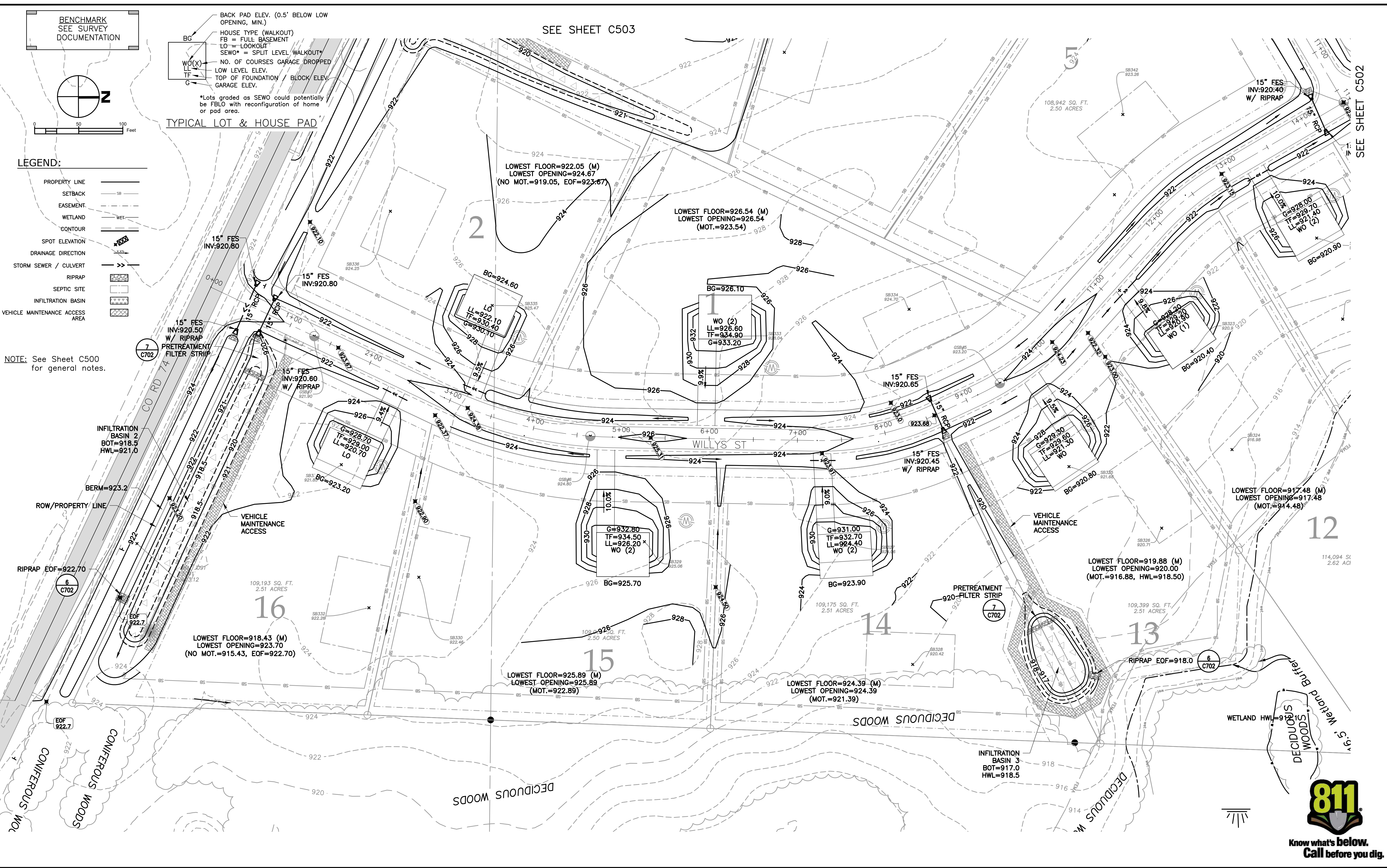
LEGEND:

- PROPERTY LINE
- SETBACK
- EASEMENT
- WETLAND
- CONTOUR
- SPOT ELEVATION
- DRAINAGE DIRECTION
- STORM SEWER / CULVERT
- RIPRAP
- SEPTIC SITE
- INFILTRATION BASIN
- VEHICLE MAINTENANCE ACCESS AREA

NOTE: See Sheet C500
for general notes.

SEE SHEET C503


SEE SHEET C502



Print Date: 7/20/2023 9:13 AM
File Loc: C:\CIVIL\Methods, Inc\GMI - Documents\7. Projects\0731_Dellwood Const\Drawings and Specifications\C500_Sheets\PRELIMINARY\C501_Grading.dwg

CIVIL METHODS, INC.
 P.O. Box 28038
 St. Paul, MN 55128
 o: 763.210.5713 | www.civilmethods.com

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


 DAVID M. POGGI
 DATE: 07-19-2023
 LIC. NO.: 44573

DESIGNED: DMP
 DRAWN: DMP
 CHECKED: KEB

DATE / REVISION:
 03-06-2023 Preliminary Review Set. NOT FOR CONSTRUCTION
 05-11-2023 Revised per Township review.
 06-22-2023 Revised per Township & ACHD review.
 07-18-2023 Revised per Township & ACHD review (revised sign requirements).
 07-19-2023 Revised street section detail.

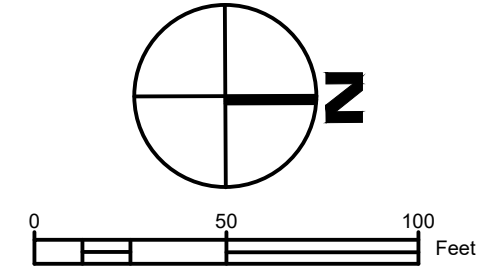
DELLWOOD CONST. LTD
 DELLWOOD COUNTRY ESTATES
 LINWOOD TOWNSHIP, MN

**GRADING & DRAINAGE
 SOUTHEAST**

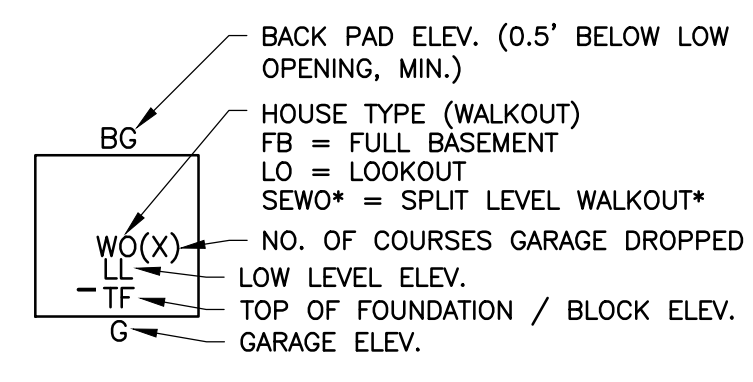
SHEET NO:
C501



BENCHMARK
SEE SURVEY
DOCUMENTATION



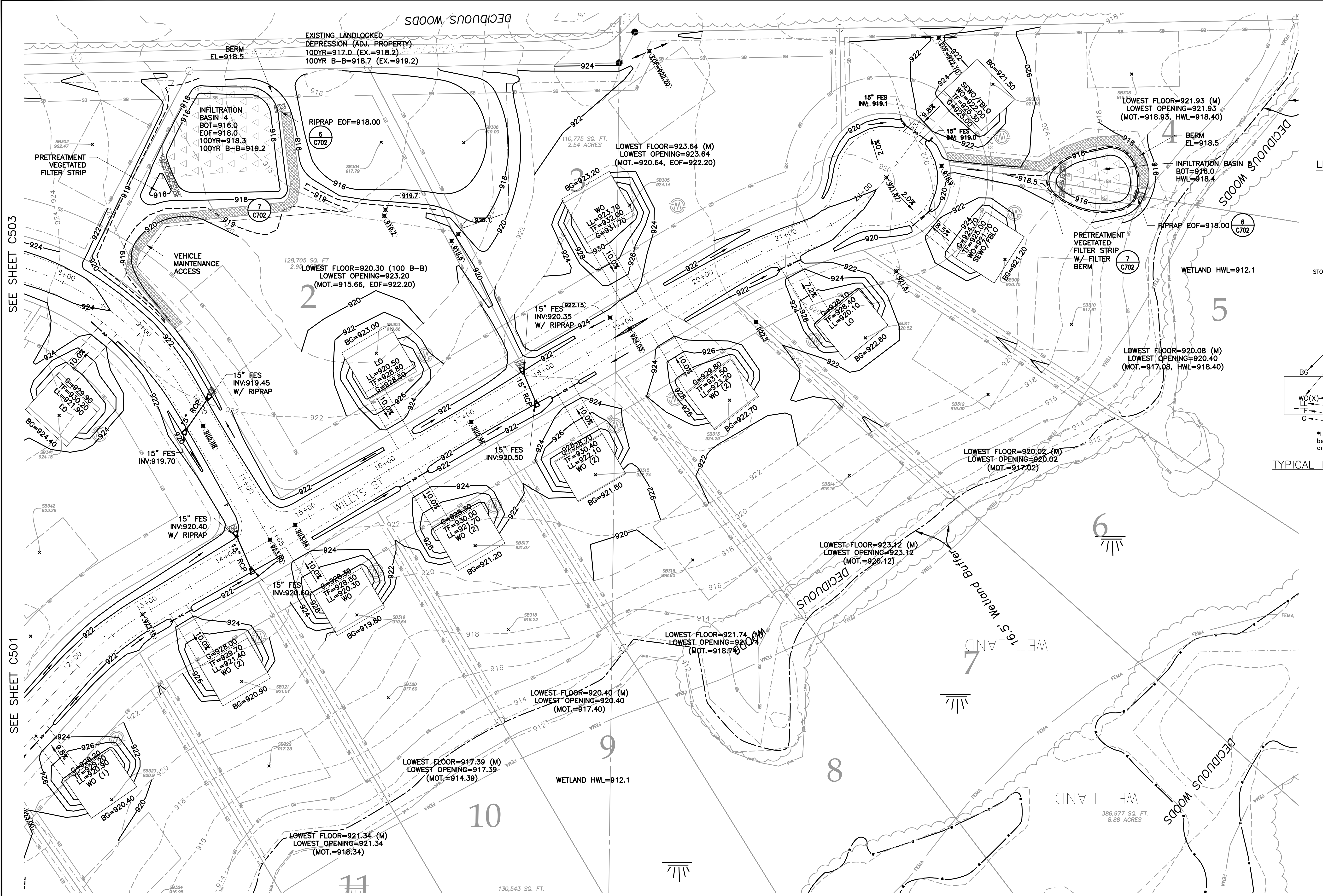
- LEGEND:**
- PROPERTY LINE
 - SETBACK
 - EASEMENT
 - WETLAND
 - CONTOUR
 - SPOT ELEVATION
 - DRAINAGE DIRECTION
 - STORM SEWER / CULVERT
 - RIPRAP
 - SEPTIC SITE
 - INFILTRATION BASIN
 - VEHICLE MAINTENANCE ACCESS AREA



*Lots graded as SEWO could potentially be FBLD with reconfiguration of home or pad area.

TYPICAL LOT & HOUSE PAD

NOTE: See Sheet C500 for general notes.



SEE SHEET C503

SEE SHEET C501

Print Date: 7/20/2023 9:14 AM
File Loc: C:\CIVIL\Methods, Inc\CM - Documents\17 - Documents\17 - Dellwood Const\Drawings\CD\Sheets\PRELIM\RYC501 - GRADING.dwg

CIVIL METHODS, INC.
 P.O. Box 28038
 St. Paul, MN 55128
 o: 763.210.5713 | www.civilmethods.com

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

David M. Poggi
 DAVID M. POGGI
 DATE: 07-19-2023
 LIC. NO.: 44573

DESIGNED: DMP
 DRAWN: DMP
 CHECKED: KEB

DATE / REVISION:
 03-06-2023 Preliminary Review Set. NOT FOR CONSTRUCTION
 05-11-2023 Revised per Township review.
 06-22-2023 Revised per Township & ACHD review.
 07-18-2023 Revised per Township & ACHD review (revised sign requirements).
 07-19-2023 Revised street section detail.

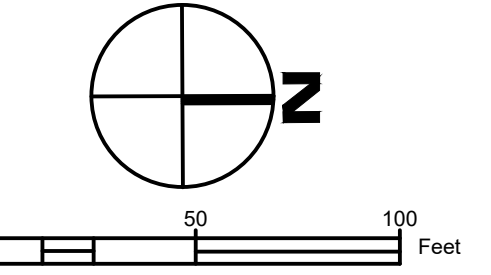
DELLWOOD CONST. LTD
 DELLWOOD COUNTRY ESTATES
 LINWOOD TOWNSHIP, MN

**GRADING & DRAINAGE
 NORTH**

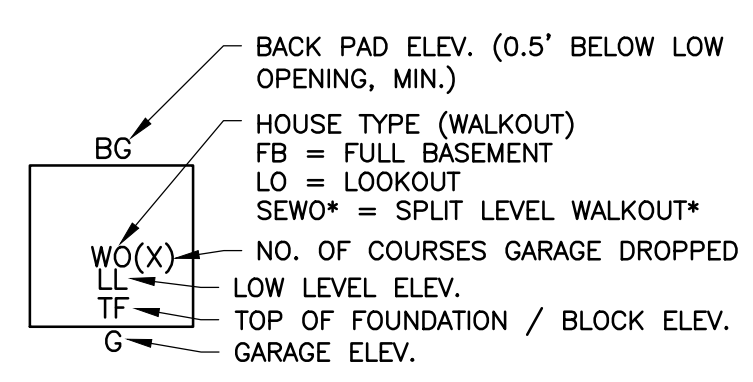
SHEET NO:
C502



BENCHMARK
SEE SURVEY
DOCUMENTATION



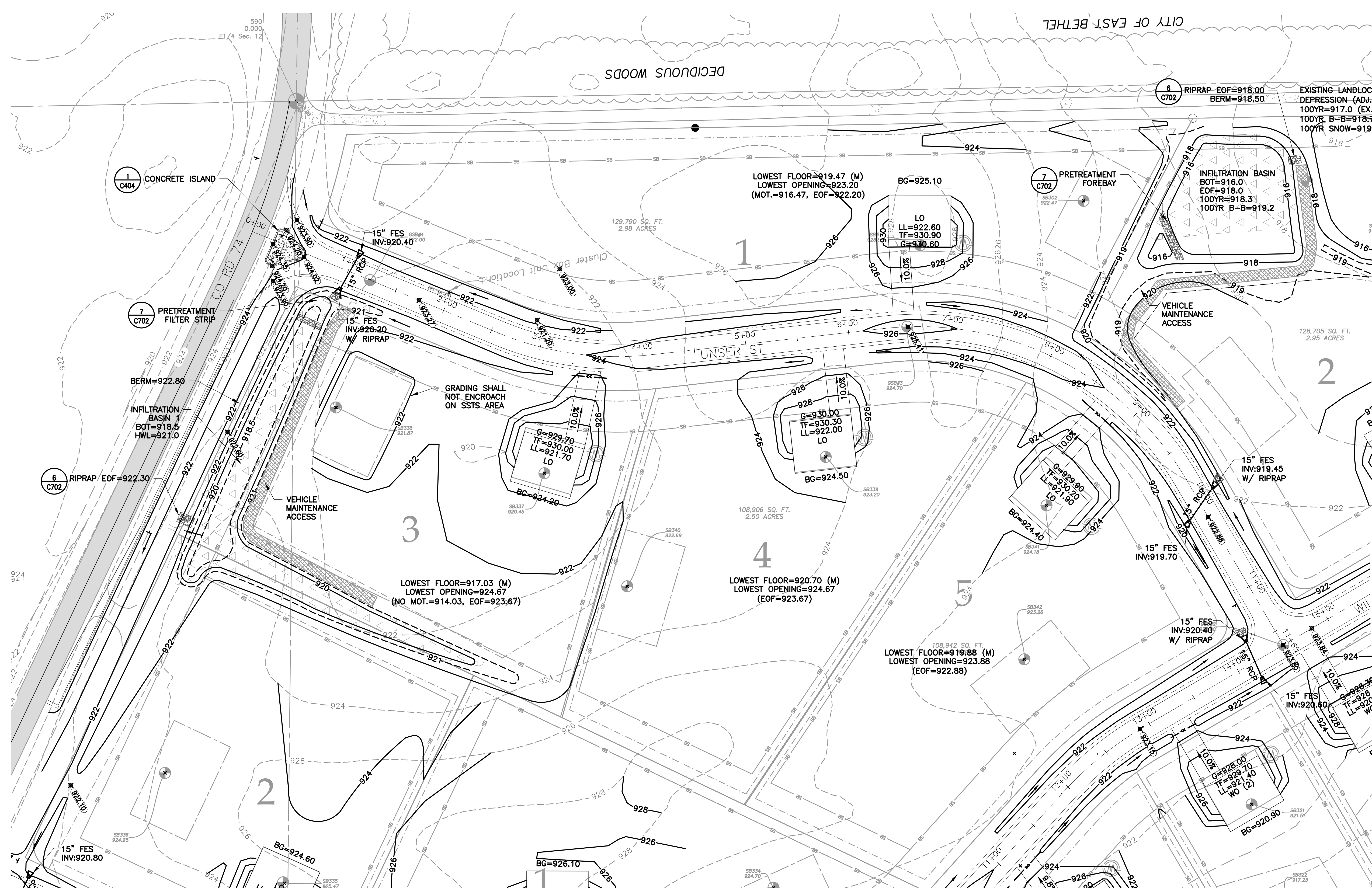
- LEGEND:**
- PROPERTY LINE
 - SETBACK
 - EASEMENT
 - WETLAND
 - CONTOUR
 - SPOT ELEVATION
 - DRAINAGE DIRECTION
 - STORM SEWER / CULVERT
 - RIPRAP
 - SEPTIC SITE
 - INFILTRATION BASIN
 - VEHICLE MAINTENANCE ACCESS AREA



*Lots graded as SEWO could potentially be FBLO with reconfiguration of home or pad area.

TYPICAL LOT & HOUSE PAD

NOTE: See Sheet C500 for general notes.



SEE SHEET C501

SEE SHEET C501

SEE SHEET C502

Print Date: 7/20/2023 9:14 AM
File Loc: C:\CIVIL\Methods, Inc\GMI - Documents\17 - Projects\0731_Dellwood Const\Drawings\08_DRMINGS AND SPECIFICATIONS\CID\Sheets\PRELIMINARY\C501_GRADING.dwg

CIVIL METHODS, INC.
 P.O. Box 28038
 St. Paul, MN 55128
 o:763.210.5713 | www.civilmethods.com

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

David M. Poggi
 DAVID M. POGGI
 DATE: 07-19-2023
 LIC. NO.: 44573

DESIGNED: DMP
 DRAWN: DMP
 CHECKED: KEB

DATE / REVISION:
 03-06-2023 Preliminary Review Set. NOT FOR CONSTRUCTION
 05-11-2023 Revised per Township review.
 06-22-2023 Revised per Township & ACHD review.
 07-18-2023 Revised per Township & ACHD review (revised sign requirements).
 07-19-2023 Revised street section detail.

DELLWOOD CONST. LTD
 DELLWOOD COUNTRY ESTATES
 LINWOOD TOWNSHIP, MN

**GRADING & DRAINAGE
 SOUTHWEST**

SHEET NO:
C503

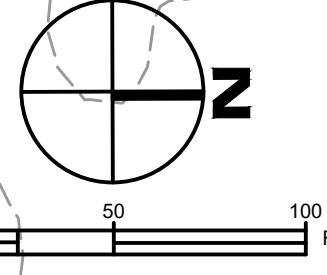


BENCHMARK
SEE SURVEY
DOCUMENTATION

GENERAL NOTES:
1) See Sheet C701 for general erosion control and turf restoration notes.
2) See SWPPP sheet for additional information.

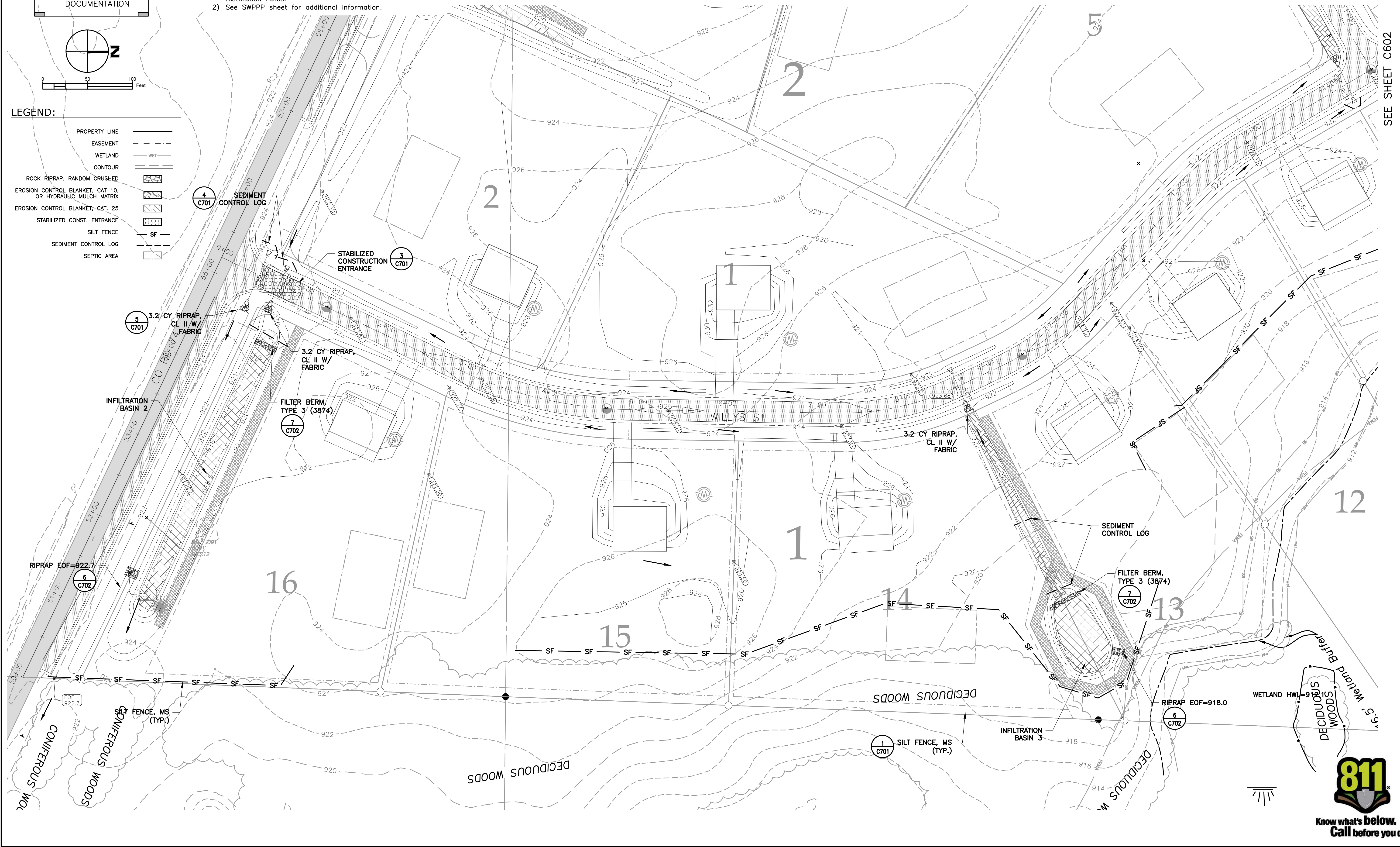
SEE SHEET C603

SEE SHEET C602



LEGEND:

- PROPERTY LINE
- EASEMENT
- WETLAND
- CONTOUR
- ROCK RIPRAP, RANDOM CRUSHED
- EROSION CONTROL BLANKET, CAT. 10, OR HYDRAULIC MULCH MATRIX
- EROSION CONTROL BLANKET, CAT. 25
- STABILIZED CONST. ENTRANCE
- SILT FENCE
- SEDIMENT CONTROL LOG
- SEPTIC AREA



Print Date: 7/20/2023 9:14 AM
File Loc: C:\CIC\Civil Methods, Inc\GMI - Documents\17 Projects\0731_Dellwood Const\Drawings and Specifications\CAD Sheets\PRELIMINARY\C601_EROSION.dwg

CIVIL METHODS, INC.
P.O. Box 28038
St. Paul, MN 55128
o: 763.210.5713 | www.civilmethods.com

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

DAVID M. POGGI
DATE: 07-19-2023
LIC. NO.: 44573

DESIGNED: DMP
DRAWN: DMP
CHECKED: KEB

DATE / REVISION:
03-06-2023 Preliminary Review Set. NOT FOR CONSTRUCTION
05-11-2023 Revised per Township review.
06-22-2023 Revised per Township & ACHD review.
07-18-2023 Revised per Township & ACHD review (revised sign requirements).
07-19-2023 Revised street section detail.

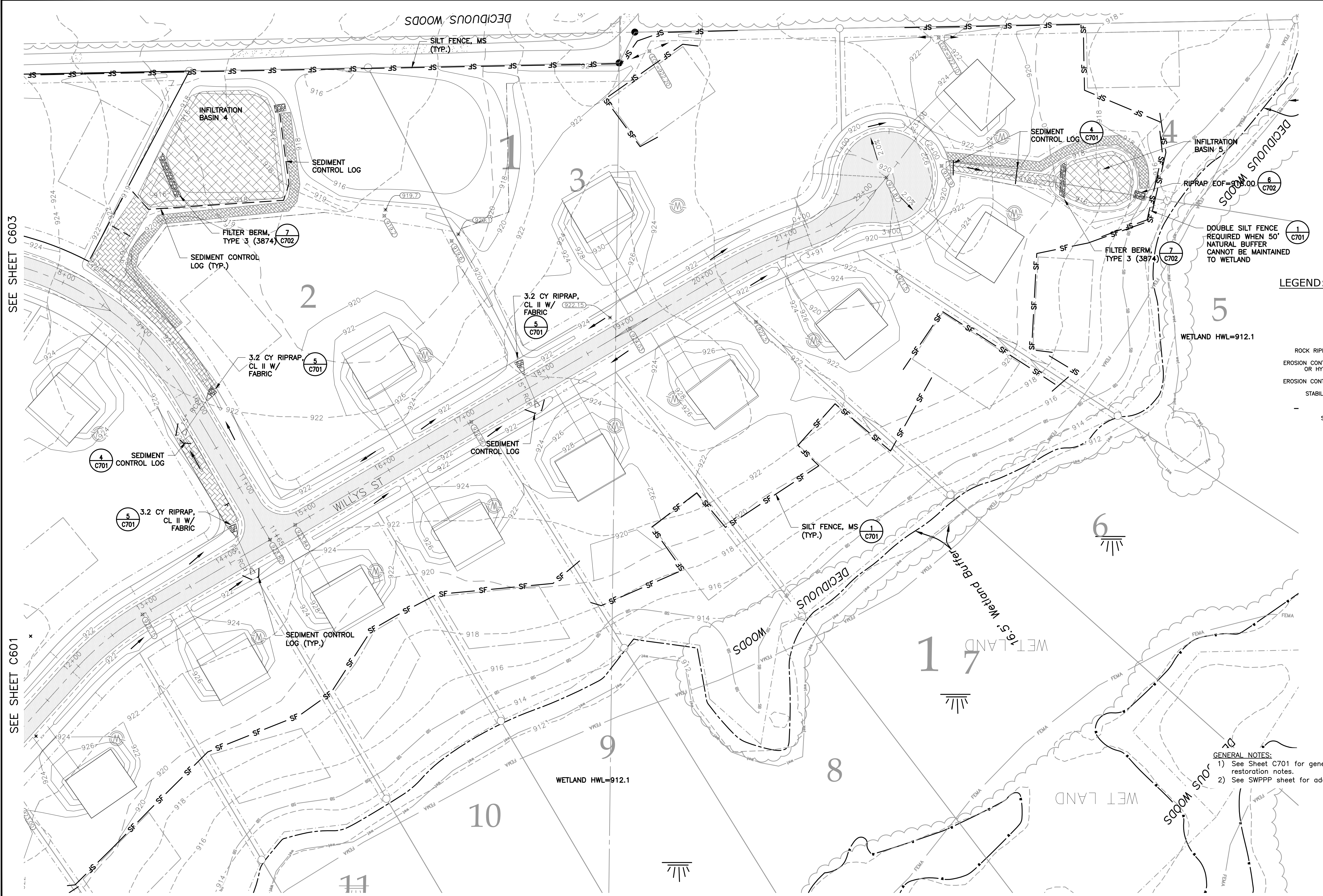
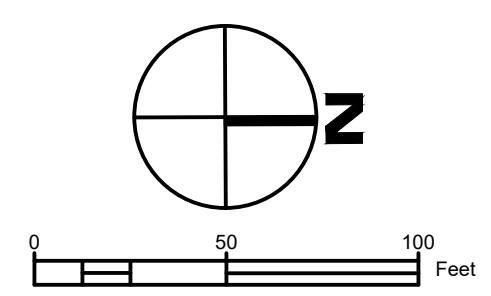
DELLWOOD CONST. LTD
DELLWOOD COUNTRY ESTATES
LINWOOD TOWNSHIP, MN

**EROSION & SEDIMENT CONTROL
SOUTHEAST**

SHEET NO:
C601



BENCHMARK
SEE SURVEY
DOCUMENTATION



LEGEND:

PROPERTY LINE	---
EASEMENT	---
WETLAND	WET
CONTOUR	---
ROCK RIPRAP, RANDOM CRUSHED	[Pattern]
EROSION CONTROL BLANKET, CAT 10, OR HYDRAULIC MULCH MATRIX	[Pattern]
EROSION CONTROL BLANKET, CAT. 25	[Pattern]
STABILIZED CONST. ENTRANCE	[Pattern]
SILT FENCE	SF
SEDIMENT CONTROL LOG	---
SEPTIC AREA	[Pattern]

GENERAL NOTES:
 1) See Sheet C701 for general erosion control and turf restoration notes.
 2) See SWPPP sheet for additional information.

SEE SHEET C603

SEE SHEET C601

Print Date: 7/20/2023 9:15 AM
File Loc: C:\CIVIL\Methods, Inc\CDM - Documents\17 - Projects\0731 - Dellwood Const\Drawings\CDM\Sheets\PRELIMINARY\C601 - EROSION.dwg

CIVIL METHODS, INC.
 P.O. Box 28038
 St. Paul, MN 55128
 o:763.210.5713 | www.civilmethods.com

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

 DAVID M. POGGI
 DATE: 07-19-2023
 LIC. NO.: 44573

DESIGNED: DMP
 DRAWN: DMP
 CHECKED: KEB

DATE / REVISION:
 03-06-2023 Preliminary Review Set. NOT FOR CONSTRUCTION
 05-11-2023 Revised per Township review.
 06-22-2023 Revised per Township & ACHD review.
 07-18-2023 Revised per Township & ACHD review (revised sign requirements).
 07-19-2023 Revised street section detail.

DELLWOOD CONST. LTD
 DELLWOOD COUNTRY ESTATES
 LINWOOD TOWNSHIP, MN

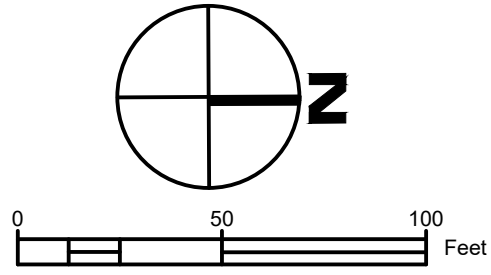
**EROSION & SEDIMENT CONTROL
 NORTH**

SHEET NO:
C602



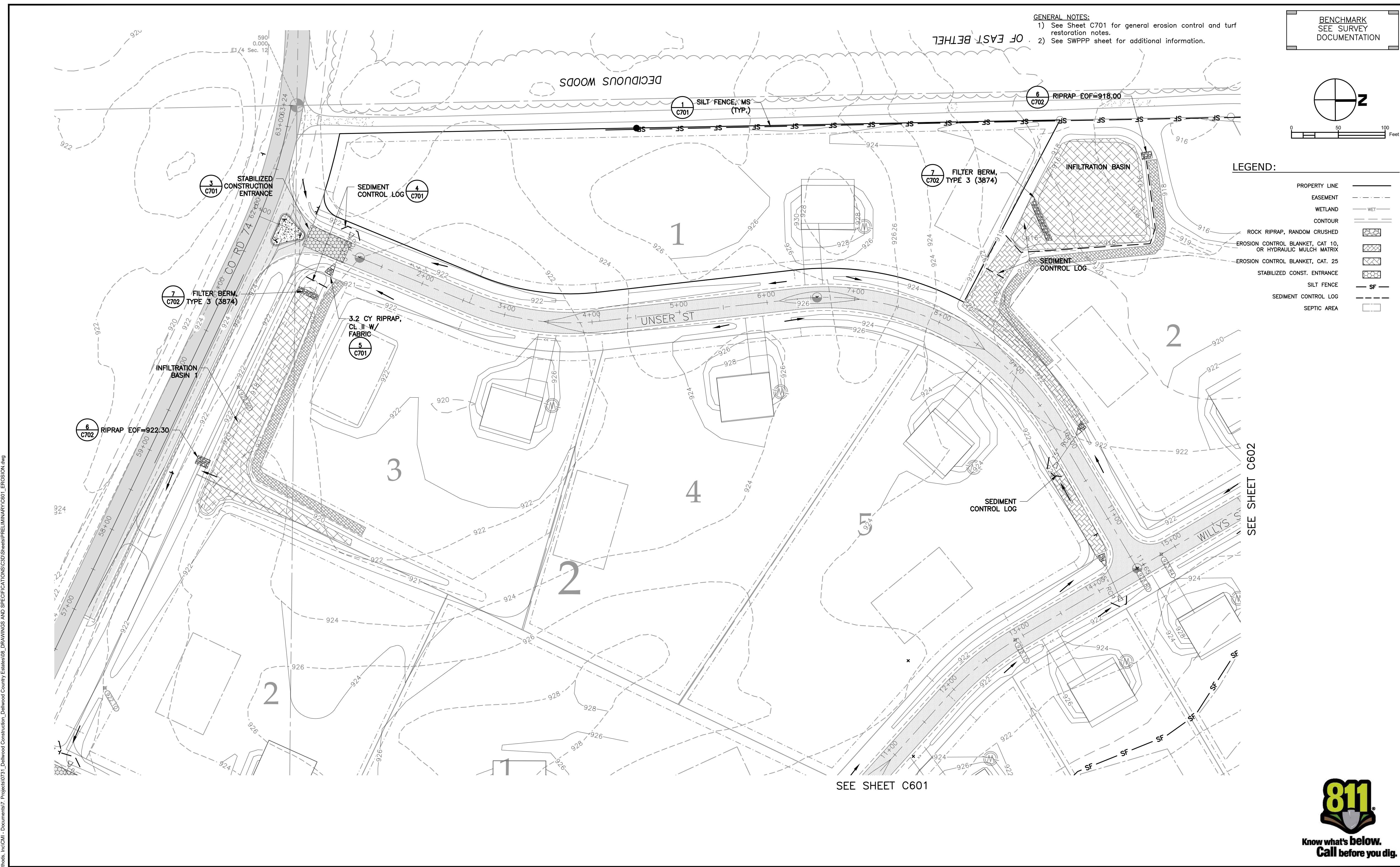
GENERAL NOTES:
1) See Sheet C701 for general erosion control and turf restoration notes.
2) See SWPPP sheet for additional information.

BENCHMARK
SEE SURVEY
DOCUMENTATION



LEGEND:

PROPERTY LINE	---
EASEMENT	- - - -
WETLAND	WET
CONTOUR	---
ROCK RIPRAP, RANDOM CRUSHED	[Pattern]
EROSION CONTROL BLANKET, CAT. 10, OR HYDRAULIC MULCH MATRIX	[Pattern]
EROSION CONTROL BLANKET, CAT. 25	[Pattern]
STABILIZED CONST. ENTRANCE	[Pattern]
SILT FENCE	SF
SEDIMENT CONTROL LOG	---
SEPTIC AREA	[Pattern]



Print Date: 7/20/2023 9:15 AM
File Loc: C:\CIVIL\Methods, Inc\GMI - Documents\17 Projects\0731_Dellwood Const\Drawings\08_DRAWINGS AND SPECIFICATIONS\CAD Sheets\PRELIMINARY\C601_EROSION.dwg

CIVIL METHODS, INC.
P.O. Box 28038
St. Paul, MN 55128
o:763.210.5713 | www.civilmethods.com

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

DAVID M. POGGI
DATE: 07-19-2023
LIC. NO.: 44573

DESIGNED: DMP
DRAWN: DMP
CHECKED: KEB

DATE / REVISION:
03-06-2023 Preliminary Review Set. NOT FOR CONSTRUCTION
05-11-2023 Revised per Township review.
06-22-2023 Revised per Township & ACHD review.
07-18-2023 Revised per Township & ACHD review (revised sign requirements).
07-19-2023 Revised street section detail.

DELLWOOD CONST. LTD
DELLWOOD COUNTRY ESTATES
LINWOOD TOWNSHIP, MN

**EROSION & SEDIMENT CONTROL
SOUTHWEST**

SHEET NO:
C603



ALL CONSTRUCTION ACTIVITIES MUST MEET THE REQUIREMENTS OF THE MPCA'S **GENERAL PERMIT AUTHORIZATION TO DISCHARGE STORMWATER ASSOCIATED WITH CONSTRUCTION ACTIVITY UNDER THE NPDES/SDS PROGRAM (MNR100001)**. All sheets of this plan set, as well as the related Project SWMP, are hereby referenced as part of this SWPPP; any related pages shall be revised as appropriate for differing site conditions. Specific reference permit sections included in parentheses throughout.

SITE AND CONSTRUCTION DESCRIPTION:

This project includes site grading, utility and street work for a new residential subdivision in Linwood Township, Anoka County, MN (Lat: 45.363356, Long: -93.142742).

The site work will include disturbance of approximately 32.5 acres for the construction of a rural roadway section, drainage improvements and lot grading. Approximately 10,000 CY of material will be excavated and relocated on-site, and all areas will be stabilized and restored as indicated in the plans. Riprap will be installed at all storm pipe discharge locations and basin overflows.

The existing site is an agricultural area and no groundwater or soil contamination is anticipated (16.15).

The Contractor shall sign the MPCA NPDES Construction Stormwater Permit application as "Operator" and be solely responsible for meeting the erosion and sediment control requirements of the related plan sheets and the Permit.

Disturbed Area: 32.5 acres
 Pre-Construction Impervious Area: 0.0 acres
 Post-Construction Impervious Area: 5.16 acres
 Newly Created Impervious Area: 5.16 acres
 Permanent Stormwater Treatment Required (If >1.0 acre): YES

PERMANENT STORMWATER MANAGEMENT:

Permanent stormwater management is required by Linwood Township, the Anoka SWCD and the MPCA, and is described in detail in the project Stormwater Management Plan (SWMP) document. In summary, the site has been designed to infiltrate a WQV of 1.0" from the site impervious area, as well as ensure no increase in annual volume, TSS or TP discharging from the site. Key design storm discharge rates from the site will not be increased from the existing pre-construction condition.

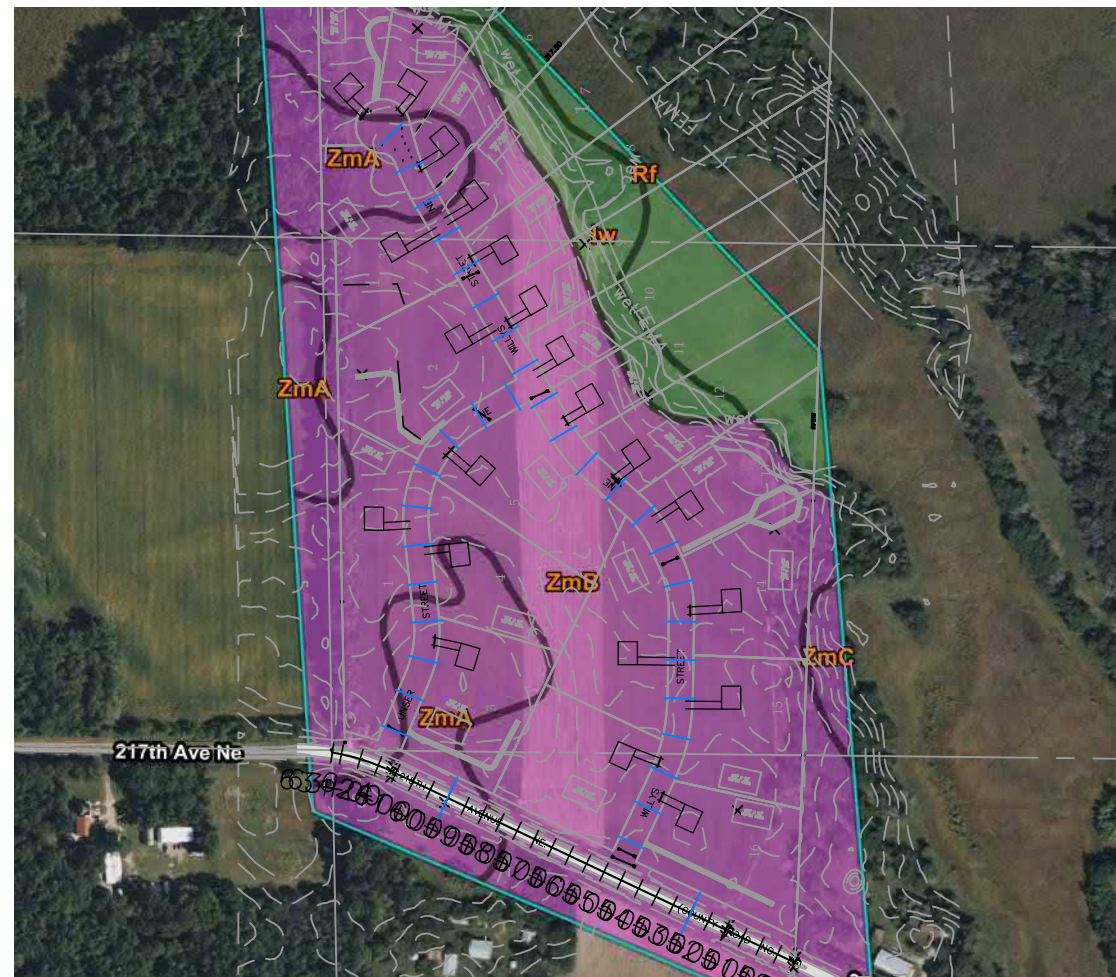
Seasonal high water table (SHWT) elevations have been approximated with mottled soils as identified with soil borings completed throughout the property. A minimum of 3' of separation is provided (as required) from bottom of infiltration basins to the SHWT elevation, or alternative BMPs are used.

Soils at the site are primarily sands and silty-sands as identified by mapping (below) and confirmed with a geotechnical investigation (Haugo, Nov. 2022). Additional soil probing done by the septic designer identified sands and mottled areas, likely due to cemented sands resulting in localized areas of perched water. The Hydrologic Soil Group (HSG) of sands is highly permeable HSG Type A.

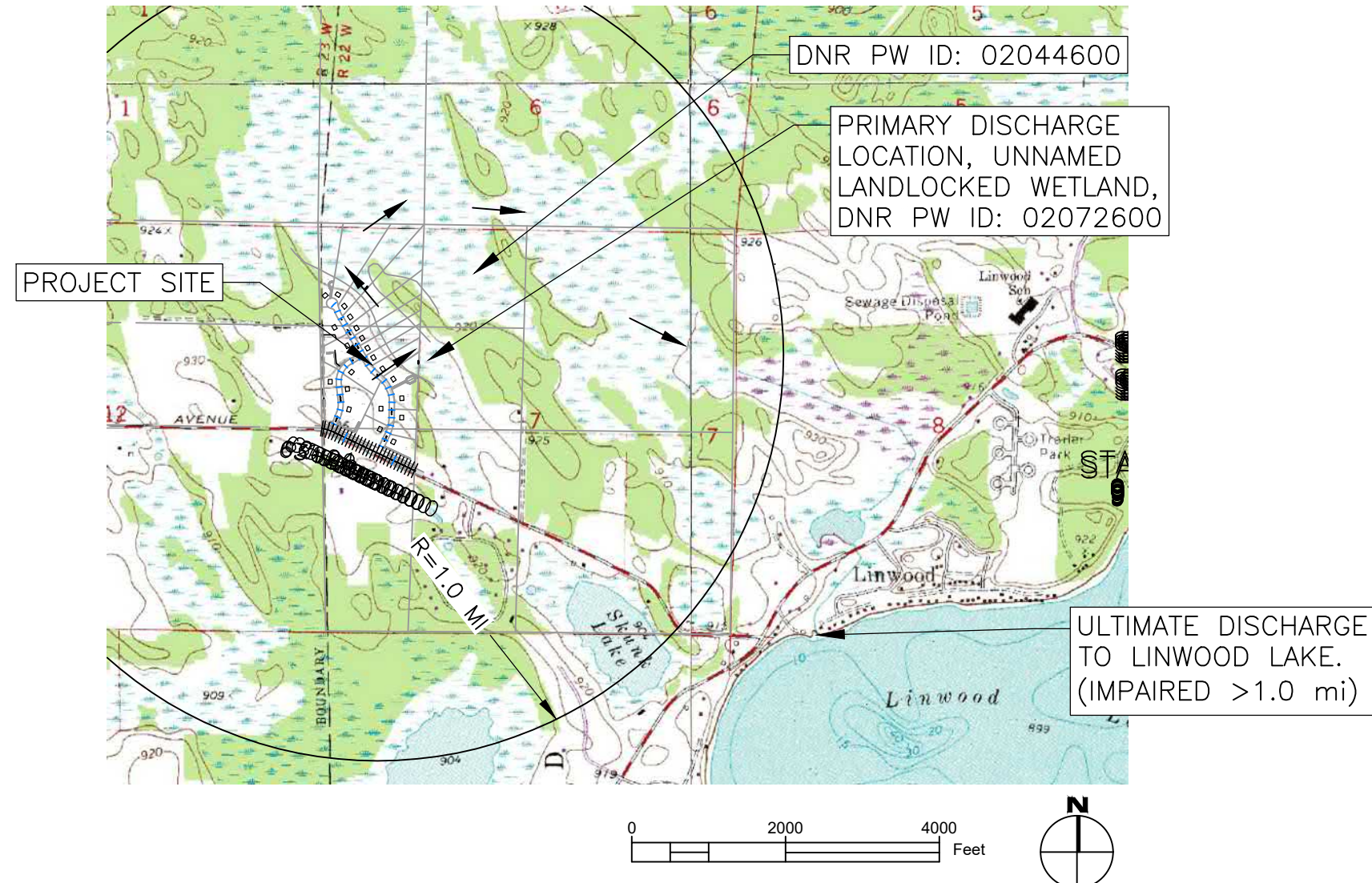
The site includes multiple depression "land locked" storage areas as described in the project SWMP; this condition is managed with the proposed design. The property ultimately drains to the large wetland to the east. In an extreme event overflow discharge would occur to an offsite land-locked water body approximately 500' to the northwest.

The project site does not discharge to an Impaired Water within 1 mile, as defined by the State's Impaired Waters List.

SOILS MAP



DOWNSTREAM SURFACE WATERS AND WETLANDS



EROSION & SEDIMENT CONTROL QUANTITIES

EROSION & SEDIMENT CONTROL

- The contractor shall use phased construction whenever practical to minimize disturbed area at any one time.
- A 50' natural buffer shall be preserved within surface waters adjacent to construction. If not feasible, redundant (double) perimeter sediment controls separated by 5.0' are required. Special Waters require 100' buffer.
- All exposed soil areas must be stabilized as soon as possible to limit soil erosion but in no case later than 7 days after the construction activity in that portion of the site has temporarily or permanently ceased.
- The following shall be installed within 24 hours of connection to surface water or property edge:
 - Energy dissipation (riprap) at all outlet aprons
 - Stabilization of temporary or permanent drainage swales within 200' of property boundary or connection to surface water (e.g., storm sewer inlet, drainage swale, etc.)
- A vehicle tracking BMP must be installed at the site entrance where haul vehicles are entering and exiting the site, including: rock pad, slash mulch, wash rack, etc. Streets must be swept within 24 hours of discovery of offsite tracking.
- Temporary stockpiles must have silt fence or other applicable sediment control device around the base of the pile.
- The Contractor shall be responsible to control sediment-laden surface water from leaving site. All mobilized sediment that has left the construction zone shall be collected by the contractor and properly disposed of at no additional cost to the owner.
- Any fines levied due to inadequate erosion or sediment control practices, sediment discharging from the site, etc., shall be the responsibility of the Contractor.
- Inlets shall be protected from sediment at all times, with appropriate protection installed for each phase of development.
- Infiltration basins shall not be excavated to final grade until contributing drainage area has been fully stabilized, unless rigorous measures are incorporated to keep sediment from draining to the basins (16.4).
- When excavating to within 3' of final grade of infiltration system, areas shall be staked to ensure vehicles and equipment do not compact the soil.
- Adjacent roads must be inspected and kept clear of sediment; roads to be swept within 24 hours of tracked sediment discovery.
- Additional temporary BMPs may be required to reduce the potential for sediment transport during construction. If deemed necessary by onsite personnel, Engineer or Owner shall be contacted immediately for approval or guidance, if available. Otherwise best judgment shall be used to provide rapid stabilization or sediment controls as necessary to minimize potential pollutant discharge.

CONSTRUCTION IMPLEMENTATION SCHEDULE & PHASING

- Install perimeter silt fence and construction entrance as shown prior to site disturbance.
- Complete soil stripping and rough grading of site.
- Install infiltration areas and outlet means.
- Install sediment control logs.
- Install parking pavement and curbing as indicated.
- Replace topsoil and establish vegetative cover.
- Complete site restoration and final stabilization measures (remove temporary controls after construction activity has ceased and vegetation is established).
- Submit Notice of Termination (NOT) to MPCA within 30 days.

DEWATERING & BASIN DRAINING

- Dewatering water, if necessary, must be discharged to a temporary or permanent sediment basin when feasible; if not feasible, appropriate BMPs must be used to prevent sediment-laden water from discharging downstream.
- Use appropriate energy dissipation measures on all discharges to prevent erosion at discharge outlet. Discharge must not cause nuisance or erosive conditions to downstream properties or receiving channels. Excessive inundation of downstream wetlands is not permitted (if applicable).
- If filters with backwash water are used, all backwash water must be hauled offsite for disposal, returned to the beginning of the treatment process, or incorporated into the site in a manner not causing erosion.

INSPECTIONS & MAINTENANCE

- The contractor must routinely inspect the construction site once every 7 days during construction, and within 24 hrs of receiving more than ½" of rain in 24 hrs. Rainfall amounts must be measured by a properly installed rain gage onsite, or from a weather station within 1 mile of the project, or from a weather reporting system with site specific radar rainfall summaries (11.11).
- All inspections and rainfalls > ¼" must be recorded and retained onsite with the SWPPP. Inspections shall include: date/time, name of individual, date & amount of rainfall, findings, corrective actions, observed discharge/location/description, any proposed SWPPP amendments.
- Inspections may be suspended when work is stopped due to frozen conditions. The Contractor's inspector must resume inspections within 24 hours after runoff occurs at the site or prior to resuming construction, whichever comes first.
- Silt fence (or related perimeter control device) must be maintained when accumulated sediment reaches ½ the height of the device, or if device becomes ineffective (by the end of the next business day following discovery).
- Permanent and temporary sediment basins, if applicable, shall be drained and cleaned when sediment depth reaches ½ of original storage volume; complete within 72 hrs of discovery. Must be cleaned prior to project completion.
- Non-functional BMPs must be repaired or replaced by the end of the next business day following discovery.
- Inspect downstream ditch / drainage system for signs of erosion or sediment buildup during each inspection; stabilize within 7 days.
- Inspect vehicle exit locations and adjacent streets; remove sediment from surfaces within 1 day.

POLLUTION PREVENTION

- All solid waste generated at the site must be disposed of in accordance with all applicable federal and state regulations.
- All hazardous materials must be properly stored/contained to prevent spills or leaks; materials must be properly disposed of per applicable regulations, including Minn. Rule Ch. 7045. Restricted access storage areas must be provided to prevent vandalism.
- Vehicle or equipment washing must be confined to a defined area (minimum of 100' from pond or drainage ditch); runoff containing any hazardous materials must be collected and properly disposed of. Defined area must be delineated with heavy-duty silt fence (incidental); no engine degreasing is allowed on-site.
- Pesticides, herbicides, insecticides, fertilizers, treatment chemicals, and landscape materials must be under cover to prevent pollutant discharge, or protected by similar means to minimize potential contact with stormwater.
- Concrete and other washout waste must be effectively contained - solid and liquid washout waste must not contact ground and must be disposed of properly in compliance with MPCA rules. A sign must be installed at washout area requiring personnel to utilize the proper facilities for disposal of concrete and other wastes.
- The contractor is solely responsible for monitoring air pollution and ensuring that it does not exceed levels set by any agency or LGU. This includes dust created by work performed at the site; air pollution and dust control measures are incidental to the contract. The engineer may require additional dust control measures to be implemented, as necessary.
- Adequate temporary restroom facilities shall be present onsite in a stable and secure location during construction operations, and shall be maintained in an adequate functioning condition.

FINAL STABILIZATION

- The Contractor must ensure final site stabilization meets the Permit requirements, and submit the NOT within 30 days.
- Final stabilization includes uniform perennial vegetative cover of at least 70% of the expected final growth density over the entire pervious surface area, or other equivalent cover to prevent soil erosion.
- All temporary synthetic and structural BMPs must be removed as part of final stabilization.

RECORD RETENTION

- The SWPPP, all revisions to it, and inspection & maintenance records are the responsibility of the Contractor and must remain at the site during construction hours. The materials may be kept in a field office, onsite vehicle, or "SWPPP Mailbox".
- Training documentation shall be provided by Contractor as outlined below and required.
- The SWPPP, project permits, inspection/maintenance logs, stormwater maintenance agreements, and stormwater management design calculations must be retained for 3 years after submittal of permit NOT. Contractor shall provide Owner or Engineer copies of inspection and maintenance logs prior to final payment.

TRAINING REQUIREMENTS

- The permittees must comply with the training requirements as outlined in Section 21 of the Permit. The Contractor shall have a trained individual performing BMP installations and inspections, as required.
- Training table (below) to be completed prior to construction, as appropriate.

RESPONSIBLE PARTIES & TRAINING SUMMARY

	COMPANY	CONTACT	PHONE	TRAINING DATE	COURSE / ENTITY	CONTENT
OWNER:				NA	NA	NA
SWPPP PREPARER:	CIVIL METHODS, INC.	KENT BRANDER, PE	763.210.5713	1/24/2022	UNIVERSITY OF MN	DESIGN OF CONSTR. SWPPPS
GENERAL CONTRACTOR / INSPECTOR:						
EROSION & SEDIMENT CONTROL INSTALLER:						
PERMANENT BMP OPERATOR / MAINTAINER:				NA	NA	NA

Print Date: 7/20/2023 9:15 AM
 File Loc: C:\CIVIL Methods, Inc\CM - Documents\7. Projects\0731_Dellwood Construction_Dellwood Country Estates\08_DRAWINGS AND SPECIFICATIONS\CSD\Sheets\PRELIMINARY\C604_SWPPP.dwg

CIVIL METHODS, INC.
 P.O. Box 28038
 St. Paul, MN 55128
 o:763.210.5713 | www.civilmethods.com

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

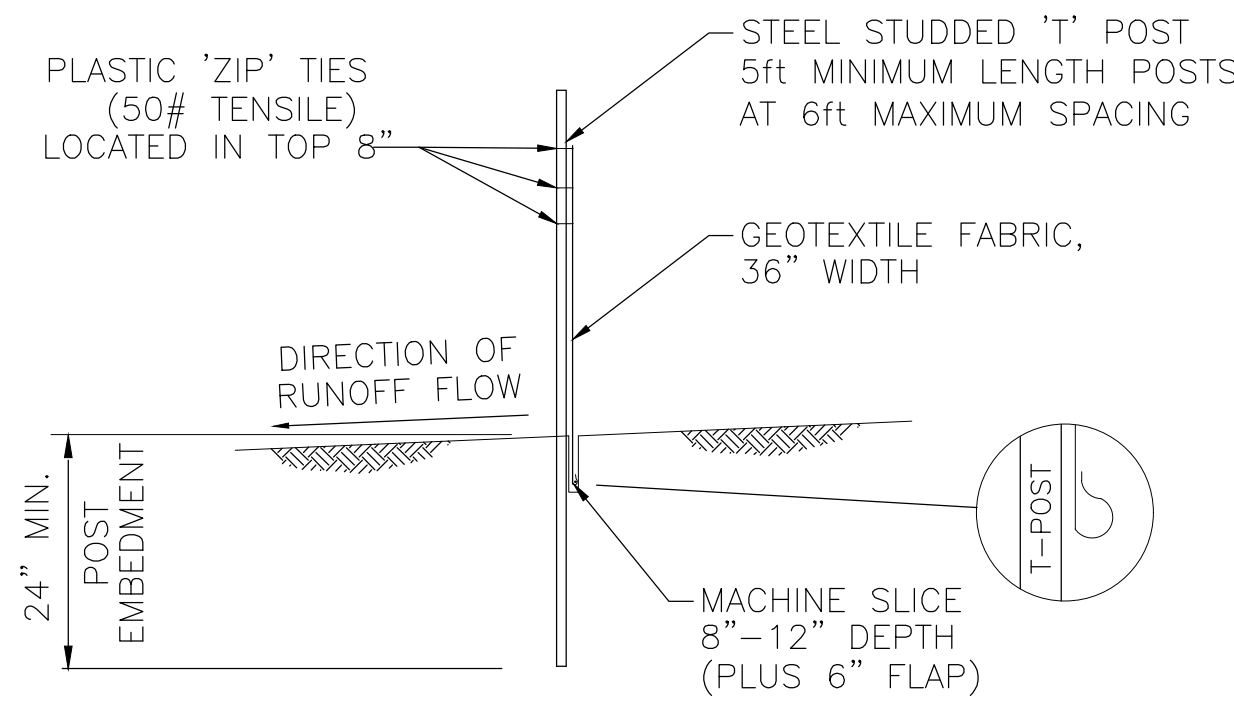
 DAVID M. POGGI
 DATE: 07-19-2023
 LIC. NO.: 44573

DESIGNED: DMP
 DRAWN: DMP
 CHECKED: KEB
 DATE / REVISION:
 03-06-2023 Preliminary Review Set. NOT FOR CONSTRUCTION
 05-11-2023 Revised per Township review.
 06-22-2023 Revised per Township & ACHD review.
 07-18-2023 Revised per Township & ACHD review (revised sign requirements).
 07-19-2023 Revised street section detail.

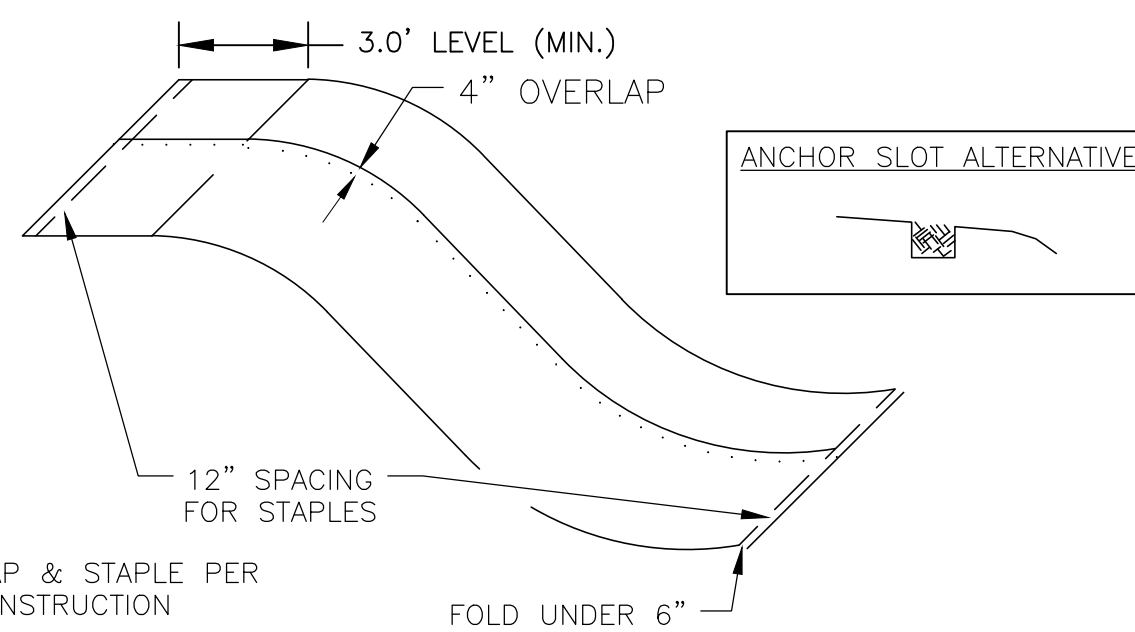
DELLWOOD CONST. LTD
 DELLWOOD COUNTRY ESTATES
 LINWOOD TOWNSHIP, MN

SWPPP

SHEET NO:
C604

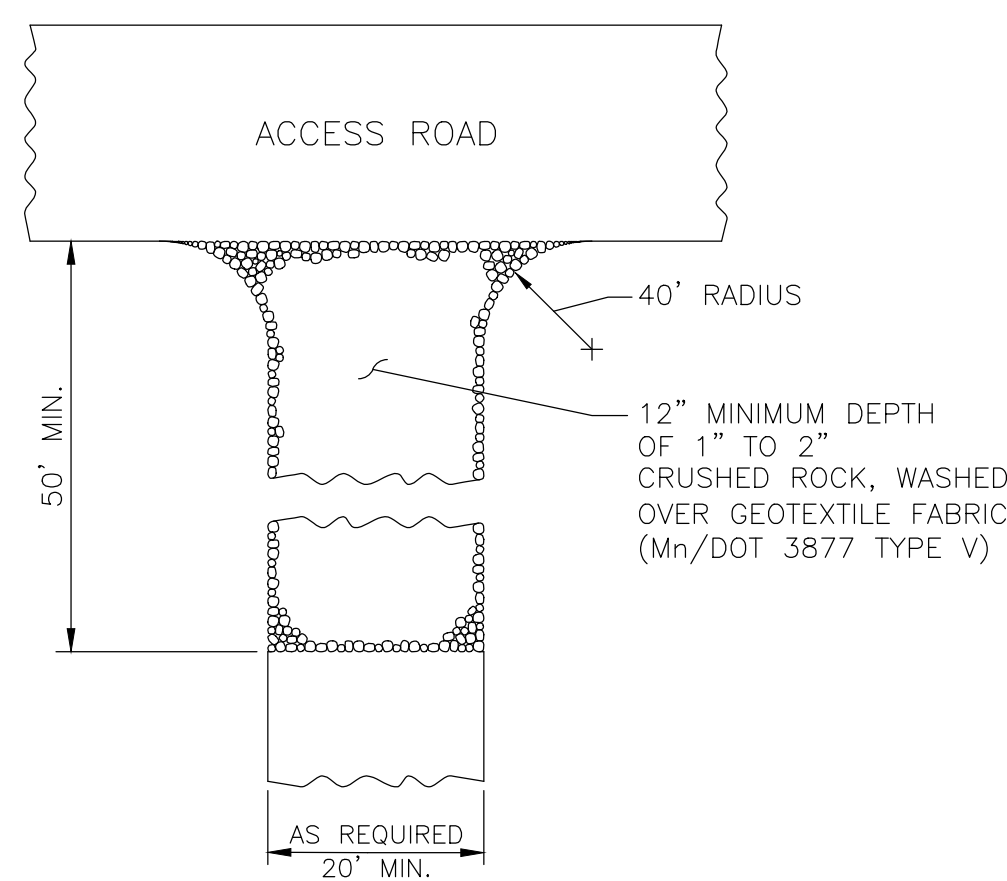


1 SILT FENCE – MACHINE SLICED

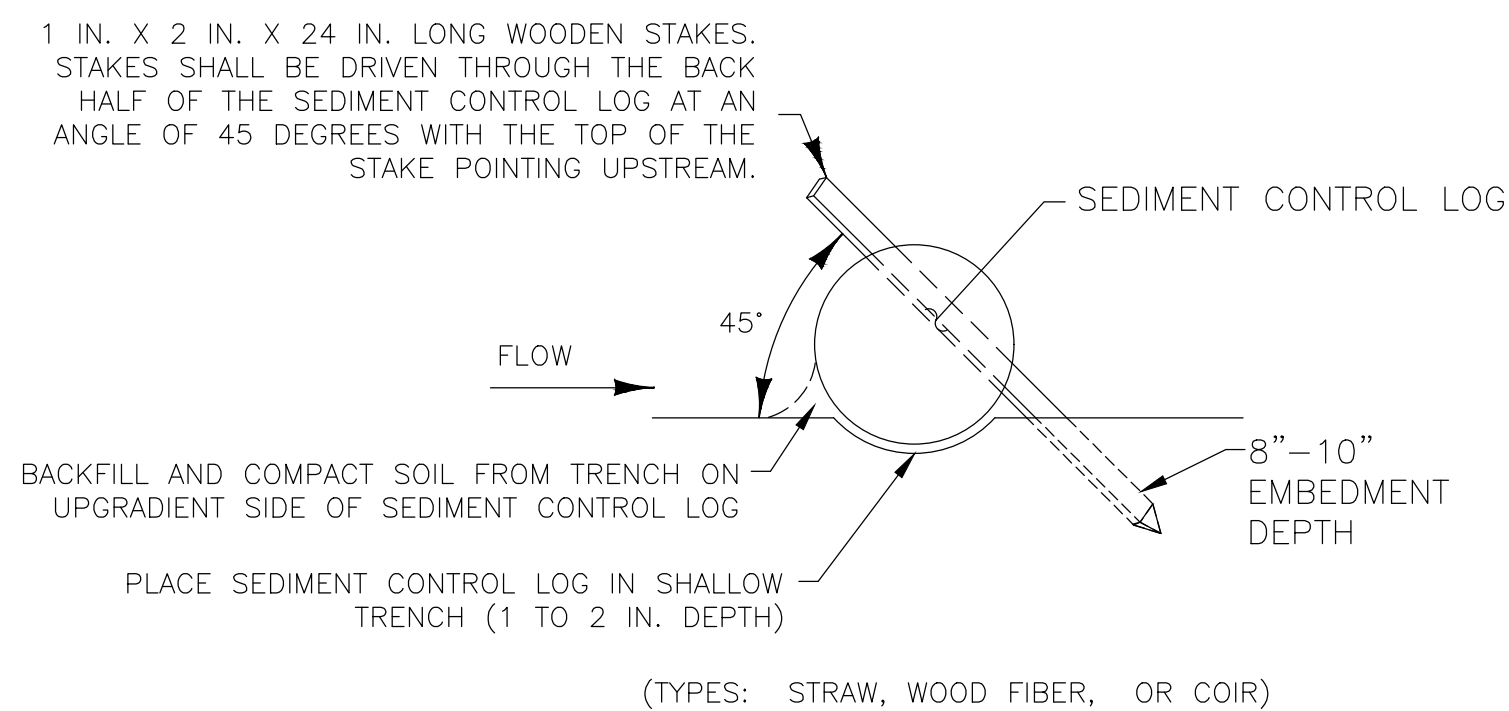
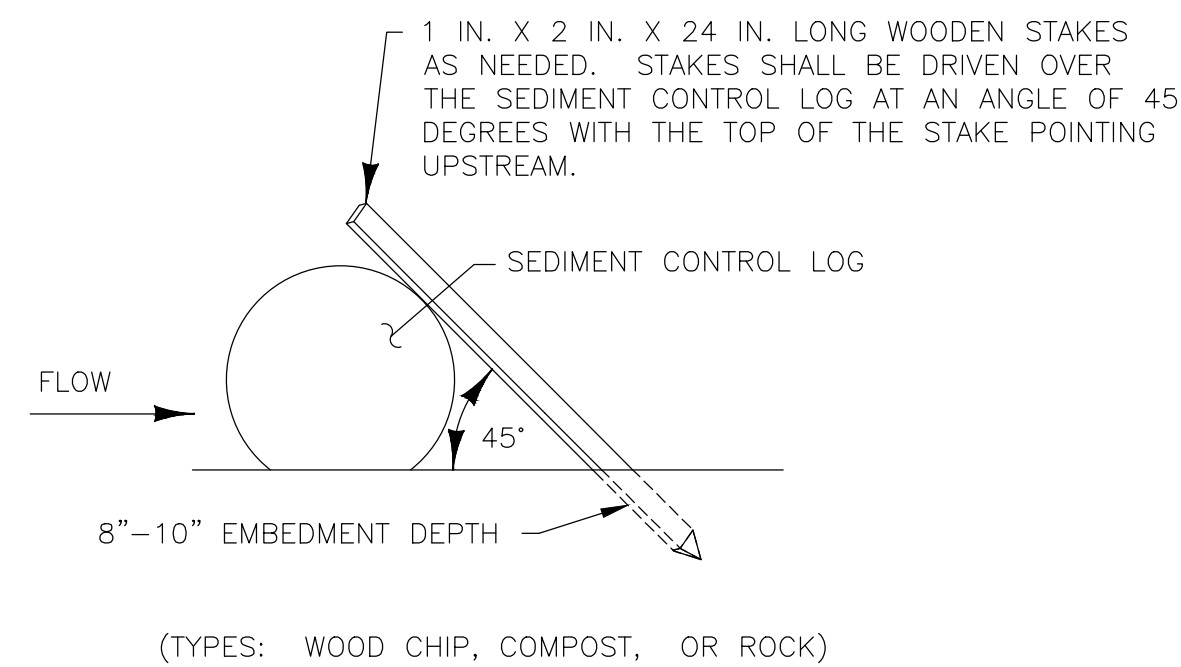


NOTE:
ANCHOR, OVERLAP & STAPLE PER
MANUFACTURER INSTRUCTION

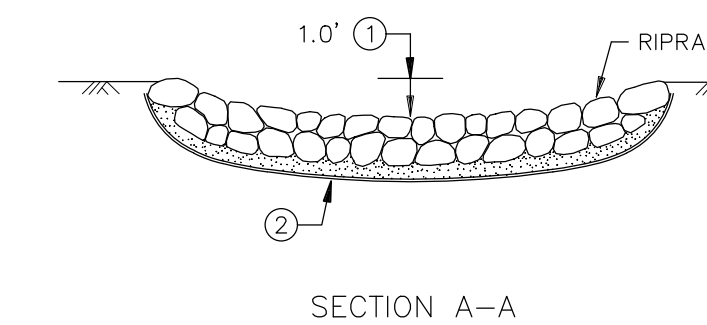
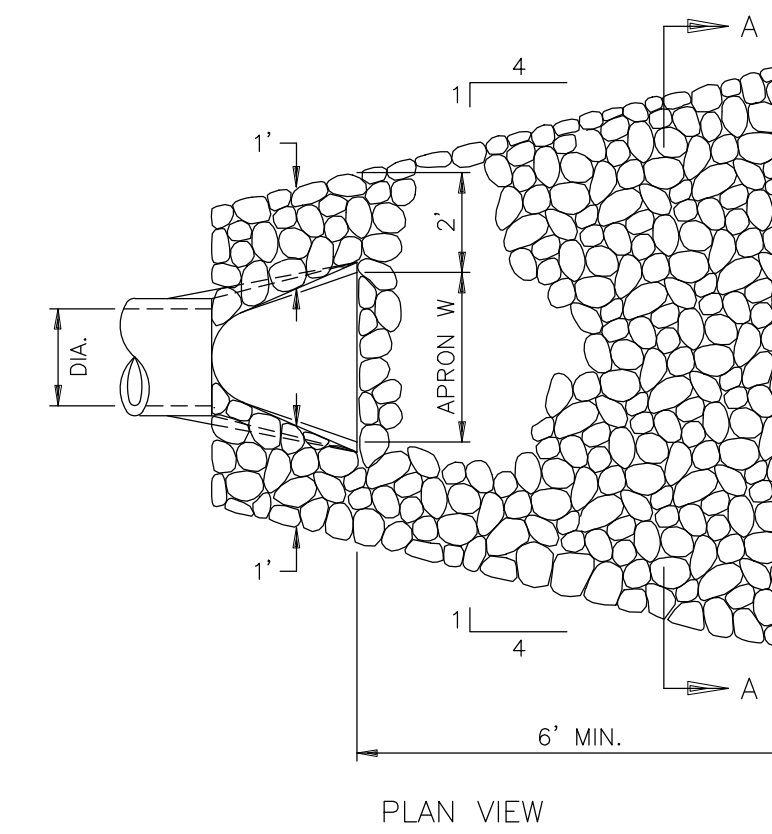
2 EROSION CONTROL BLANKET INSTALLATION



3 ROCK CONSTRUCTION ENTRANCE



4 SEDIMENT CONTROL LOGS



NOTES:
RIPRAP TO BE INSTALLED PER Mn/DOT PLATE 3133D. REQUIREMENTS
FOR GEOTEXTILE TYPE, RIPRAP SIZE AND THICKNESS WILL BE
DESIGNATED IN THE PLANS.
1 FOR PIPES GREATER THAN OR EQUAL TO 30", USE 1.5'.
PROVIDE "BOWL" FOR ENERGY DISSIPATION.
2 GEOTEXTILE FILTER FABRIC SHALL COVER THE BOTTOM AND SIDES OF
THE AREA EXCAVATED FOR THE RIPRAP.

5 RIPRAP AT FLARED END

- Contractor must be familiar with the SWPPP plan sheet. SWPPP shall remain onsite at all times, as noted in "Record Retention" section of SWPPP.
- Topsoil, vegetation, and erosion control items installed and maintained per Mn/DOT 2571-2575.
- Perimeter sediment controls shall be installed as indicated prior to site disturbance, and shall be installed to allow for high-flow bypass to prevent failure during significant rainfall.
- Silt fence shall be of type indicated on the plan (Mn/DOT 3856). Double row of silt fence required adjacent to wetland when 50' natural buffer cannot be maintained.
- Install sediment control logs around rim of bioretention basins immediately after construction and leave in place until construction has ended and site is stabilized with vegetation.
- Sediment control logs shall be minimum 8" diameter wood or straw (Mn/DOT 3897).
- Devices shall be inspected weekly and after all rainfall events exceeding 1", and maintained as necessary to keep the intended functional condition.
- Accumulated sediment shall be removed from sediment control devices when 1/3 of device height has been reached.
- After rough grading is completed, and topsoil spread, areas shall be seeded and blanketed (or sodded) within 7 days. Areas not being actively worked must be covered with temporary seed within 14 days.
- Random crushed riprap per Mn/DOT 3601 shall be of class and quantity as indicated, and shall include geotextile fabric (3733).
- Seed in yard areas shall be Mn/DOT Mix 25-151 (3876) residential turf or 25-131, low maintenance turf, or approved equal. Other areas to be seeded with Mix 35-241 (native prairie).
- Township ROW areas shall be restored with Type 1 mulch (disc anchored) or blanket, fertilizer and seed (Mix 25-131).
- Seed infiltration basin bottoms with Mn/DOT Mix 33-261.
- Seed pond edge and/or disturbed wetland buffer areas with native wet & dry-tolerant seed, Mn/DOT Mix 33-261 or 33-262.
- Ditch bottoms <1.5% shall include erosion control blanket, Cat.20 (3885).
- Ditch bottoms 1.5%-5% shall include erosion control blanket, Cat.25 (3885).
- All other seeded areas, including infiltration basins shall be seeded (or planted) and covered with hydraulic mulch matrix (3884.B2), blanket (3885, Cat.10 or 15), or straw mulch, Type 1 (no straw in basins).
- Turf shall be installed by a qualified professional and/or per the Mn/DOT Seeding Manual (latest edition), at rates indicated in the manual.
- Perimeter sediment controls shall remain in place until vegetation is growing / established in all disturbed areas.
- Erosion during construction shall be repaired by the Contractor within 24 hours of discovery.

6 SEDIMENT CONTROL & TURF RESTORATION NOTES

CIVIL METHODS, INC.
P.O. Box 28038
St. Paul, MN 55128
o:763.210.5713 | www.civilmethods.com

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

DAVID M. POGGI
DATE: 07-19-2023
LIC. NO.: 44573

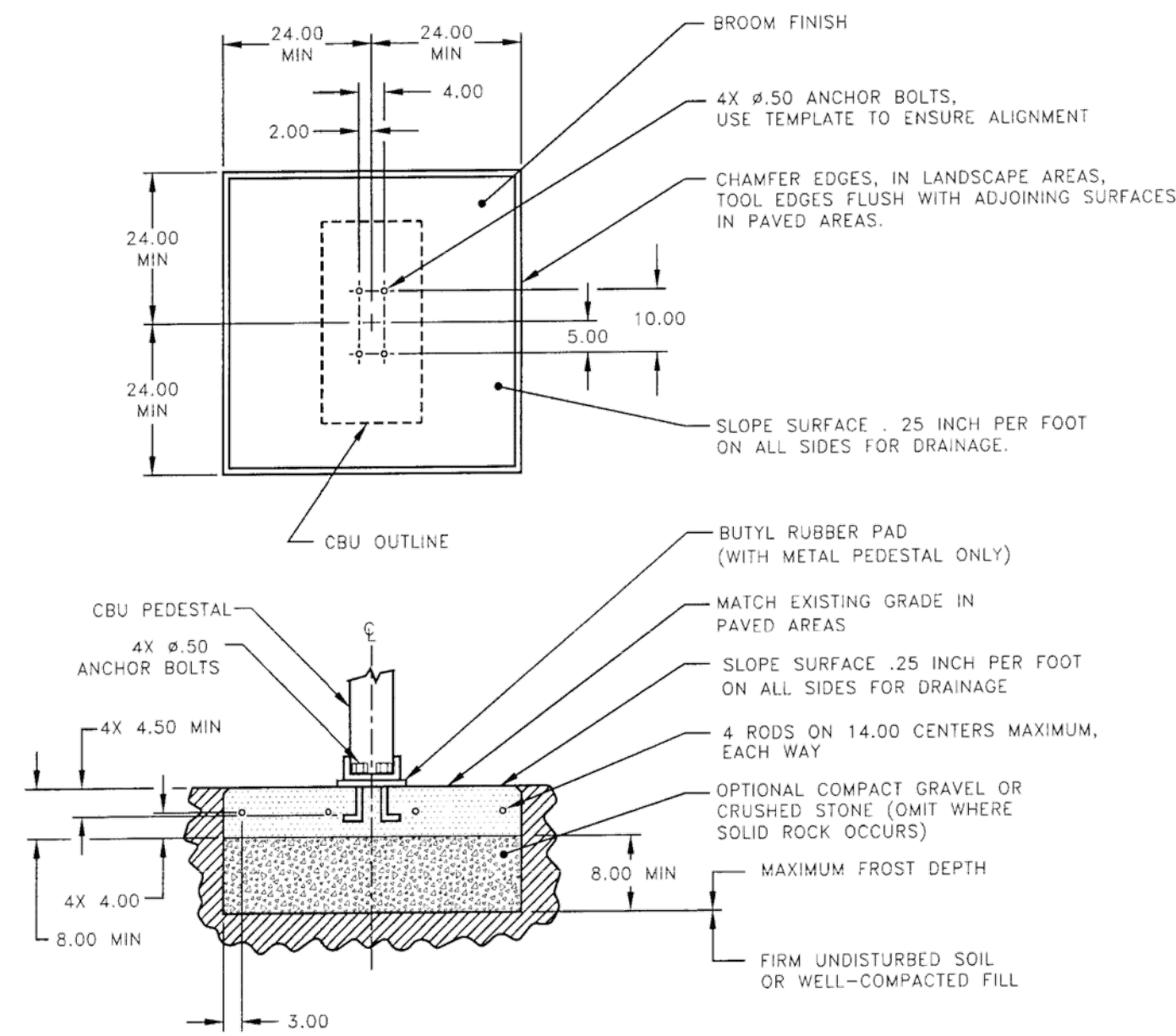
DESIGNED: DMP
DRAWN: DMP
CHECKED: KEB
DATE / REVISION:
03-06-2023 Preliminary Review Set. NOT FOR CONSTRUCTION
05-11-2023 Revised per Township review.
06-22-2023 Revised per Township & ACHD review.
07-18-2023 Revised per Township & ACHD review (revised sign requirements).
07-19-2023 Revised street section detail.

DELLWOOD CONST. LTD
DELLWOOD COUNTRY ESTATES
LINWOOD TOWNSHIP, MN

DETAILS

SHEET NO:
C701

USPS APPROVED SPECIFICATIONS – CONCRETE PAD (SINGLE UNIT)
(All measurements are in inches)



- NOTES:
1. CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH OF 3000 PSI @ 28 DAYS, CONTAIN 4% MIN - 6% MAX AIR ENTRAINMENT AND BE PLACED WITH A 3.50 - 4.50 SLUMP IN ACCORDANCE WITH ACI 301.
 2. REINFORCING STEEL RODS SHALL CONFORM TO ASTM A615, GRADE 60.
 3. ANCHOR BOLTS SHALL CONFORM TO ASTM A193, GRADE B8M, TYPE 316 STAINLESS STEEL.

15

**CLUSTER BOX UNIT (CBU)
-ANCHORING METHODS-**

CBU's must be level and mounted firmly in concrete, using one of the following methods.

1. The J-bolt method is the preferred method of installation of CBU's on concrete pads; however, the J-bolt pattern must be accurate with the CBU pedestal plate. When using J-bolts, in order to prevent any damage or accidents that could result from the exposed bolts, consideration should be given as to the time lapse between pouring the concrete and the actual installation. Expansion anchors must be installed in accordance with the manufacturer's instructions.
2. The use of anchor bolts for the installation of CBU's on concrete pads is also acceptable as long as the methods described below are followed.
 - a. Hilti Kwik bolt II, 1/2" diameter X 5-1/2" overall length
Catalog Number: 000-453-696, KB II 12-512
Stainless Steel Catalog Number: 000-454-744
Minimum embedment in concrete must be no less than 3-1/2"
 - b. ITW Ramset Redhead Trublot, galvanized, 1/2" diameter X 7" overall length
 - c. Rawl Stud, 1/2" diameter X 5 1/2" overall length, galvanized.
Catalog Number: 7324
Minimum embedment in concrete must be no less than 4"

**CLUSTER BOX UNIT (CBU)
-CONCRETE PAD REQUIREMENTS-**

- ALL FREE STANDING PADS MUST BE 8" THICK -

1 UNIT	SINGLE PAD	4' X 4'
2 UNITS	DOUBLE PAD	4' X 7'
3 UNITS	TRIPLE PAD	4' X 10'
4 UNITS	QUAD PAD	4' X 13'

***** WHEN PLACING A PARCEL LOCKER AT ANY CBU LOCATION, INCREASE THE PAD SIZE BY AN ADDITIONAL 4' X 4'*****

17

1 USPS CLUSTER BOX PAD

Print Date: 7/20/2023 9:16 AM
File Loc: C:\CIVIL Methods, Inc\CM - Documents\7. Projects\0731_Dellwood Const\Drawings\SPECIFICATIONS\CID\Sheets\PRELIMINARY\CD1_DETAILS.dwg

GENERAL NOTES:

- Contractor shall obtain and pay for all permits, tests, inspections, etc. required by agencies that have jurisdiction over the project, not previously applied for by the Owner (Contractor to verify). Execute and inspect work in accordance with all Local and State codes, rules, ordinances, or regulations pertain to the particular type of work involved.
- The subsurface utility location information in this plan is utility quality level D. This utility quality level was determined according to the guidelines of CI/ASCE 38-02, titled "Standard Guidelines for the Collection and Depiction of Existing Subsurface Utility Data." Engineer does not guarantee the accuracy of utility locations or that all existing utilities are shown; Contractor is responsible for locating utilities.
- Existing boundary, utility and topographic information shown on this plan is from the site survey performed by Acre Land Surveying.
- Contractor to call Digger's Hotline / Gopher State One Call for location of all utilities within the construction area prior to beginning construction. Digger's Hotline: 811 Gopher One: 800.252.1166.
- Where existing utilities such as gas, electric, telephone or cable lines conflict with the work, Contractor shall coordinate the abandonment, removal, relocation, offset, or support of the existing utilities with the appropriate local utility companies. Coordinate any new gas meter and gas line installation, electric meter and electric service installation, cable service, and telephone service installation with the local utility companies.
- Contractor is solely responsible for jobsite conditions, including safety of all persons and property throughout the duration of the project (not limited to working hours).
- Contractor is responsible for providing traffic control as necessary at site entrance, including barricades, flagmen, warning signs, etc. Controls shall be installed and maintained per Mn/DOT and MMUTCD standards.
- Construction shall be performed in accordance with the referenced standards and specifications, including: Mn/DOT, CEAM, Minnesota Plumbing Code, International Building Code, City Codes, ASTM, and the ADA.
- The 2020 Edition of the Minnesota Department of Transportation "Standard Specifications for Construction" and the "Supplemental Specifications" dated September 2022 shall govern for all work within Anoka County Highway R/W.
- Contractor shall include in prices bid for items listed all work and materials necessary to satisfactorily complete the project as indicated by these plans; additional payment will not be made for ancillary items unless prior approval is requested and received from Owner.
- The Contractor shall confirm with Owner who will be responsible for all construction staking necessary to accurately perform the work identified in these plans.
- Perform all grading, base construction, pavement construction, and miscellaneous construction in accordance with the Mn/DOT Standard Specifications (latest edition) and all subsequent amendments provided that the provisions for measurement and payment do not apply to the work of this contract.
- Protect subgrades from damage by surface water runoff. Provide and maintain temporary drainage throughout construction until the permanent drainage system is in place and operational. Install temporary ditches, piping, pumps, or other means as necessary in order to insure proper drainage at all times. Provide positive outfalls for low points at building pad and roadway locations.
- All pipe testing shall conform to current Mn/DOT standards, Township requirements, and/or as indicated on plans.
- All work shall be warranted free of defect per Owner agreement or for a period of 1 year from project closeout; repair or replacement necessary during this period shall be completed at Contractor expense, including areas of settlement.
- Contractor shall not impact adjacent properties and is solely responsible for any such impacts.

SITE GRADING & SUBGRADE PREPARATION:

- See Erosion Control and SWPPP sheets prior to beginning site disturbance.
- Grading and compaction in street areas shall generally conform to standards outlined in the Geotechnical Report prepared by Haugo (Nov. 18, 2022).
- Unless otherwise noted, all proposed grades shown are finished grades. Finished grades at the points between spot elevations or contours are determined by uniform slopes between the given grades.
- Earthwork is not necessarily balanced given topsoil assumptions; site work determination is the responsibility of the Contractor. Final pad elevations may be brought to grade through additional onsite borrow. Confirm with Owner.
- At locations where new work connects to existing work, field verify existing elevations and grades prior to beginning the new work. Match existing grades at construction limits.
- Topsoil from grading areas shall be stripped, salvaged and stockpiled; subcut below final grade for placement of a minimum of 4" salvaged topsoil in green areas (incidental).
- Swales and areas outside building or pavement footprints to be formed and compacted per Mn/DOT 2105. Spread in layers no thicker than 8" and compact with suitable compaction equipment.
- Remove all unsuitable material (organic soils, uncontrolled fill, debris, and natural or artificial obstructions) in the zone from 3.3 ft below the finished grade to the finished subgrade in the proposed pavement areas.
- Compact street section per geotechnical report recommendations (Haugo, Nov. 2022).
- Contractor shall provide one fully loaded tandem axle truck for test rolling (2111) in presence of Engineer. The Engineer shall determine which areas of the subgrade must be reworked or replaced; in general, a maximum deflection of 0.10' will be allowed.
- Once the subgrade has been test rolled and accepted by the Engineer, no traffic or construction equipment shall be permitted to operate on the prepared area.

AGGREGATE BASE:

- Mn/DOT specification 2211 shall apply to the Class 5 aggregate base construction.
- Subgrade preparation is incidental to aggregate base construction, and shall be approved by Engineer prior to placement of aggregate.
- The depth and class of aggregate base to be constructed shall be as shown on the plans. Aggregate base construction shall take place only after the subgrade condition and grade has been examined by the Owner/Engineer.
- Aggregate shall be placed in lifts no greater than 4". Each layer of base course shall be wetted and rolled to achieve maximum compaction of 100% Standard Proctor per Mn/DOT 2211.
- Grade of aggregate surface shall be verified by contractor with shots taken at no more than 20 ft intervals.
- Contractor shall perform testing by driving a fully loaded tandem truck over the aggregate and areas that deflect shall be reworked.

INFILTRATION BASIN NOTES:

- The infiltration area shall be staked / fenced prior to construction to prevent excessive compaction throughout construction. Minimize traffic in this area.
- Basin shall not be excavated to within less than 6" of final grade prior to street installation and seeding and mulching of contributing areas. Grade to final grade at time of planting. If engineered media being installed, can excavate to within 6" of final bottom of media elevation.
- Excavate infiltration basin to final grade with light-weight equipment or from outside the basin footprint to minimize compaction to extent practical.
- Place rock filter berm (or additional temporary sediment control logs) immediately (within 48 hrs or before next rainfall, whichever is sooner) after final basin grade is established.
- Soil borings indicate sand likely at infiltration basin bottom elevation; therefore, after final grade is reached, add 2" Grade 2 compost (Mn/DOT 3890.2B), till 12"-24" deep. Rooting topsoil borrow (3877.2E) shall be placed 12" deep in infiltration basin if clayey soils present.
- Plant native seed and hydromulch bottom and sideslopes of infiltration basin per plan.

TRENCH EXCAVATION, BEDDING & BACKFILL:

- Trench excavations shall be in accordance with the requirements of CEAM Standard Specifications Section 2600.3B
- Granular Bedding and Granular Encasement - Bedding and granular encasement materials used in the pipe zone area (4" below the pipe to 12" over the pipe) shall conform to Mn/DOT 3149.2F.
- Backfill material shall consist of soil from trench; in the case of unsuitable material, backfill shall consist of Mn/DOT 3149.D1.
- Bedding and encasement shall be compacted to 90% Standard Proctor using Specified Density Method, or as recommended by manufacturer, whichever is denser.
- Backfill shall be compacted in 12" lifts to Specified Density Method:
 - 100% Standard Proctor from subgrade elevation down 3 feet.
 - 95% Standard Proctor from bottom of excavation up to 3 feet below
- Backfill material around all manholes, catch basins, valve boxes, curb boxes, and hydrants shall be compacted with hand-machines. The maximum lift thickness shall be 6 inches.

INSTALLATION OF PIPE & FITTINGS:

- The Contractor shall keep accurate records as to the location of the service connections, field tile, utility crossings, etc., either constructed or encountered during construction.
- Commence pipe-laying at the lowest point in the proposed sewer line and lay the pipe with the bell end or receiving groove end of the pipe pointing upgrade. Do not lay pipes in water or when the trench conditions are unsuitable for such work.
- The Contractor is responsible to inspect and clean, if necessary, all lines which have become compromised by the construction operations.
- All pipes shall be inspected or tested per Township requirements.

STORM SEWER SYSTEM:

- Pipe sewer per Mn/DOT 2503 and structures per Mn/DOT 2506
- RCP pipe shall be Class V unless noted otherwise).
- RCP joints shall include o-ring rubber gaskets and be water-tight.
- Driveway culverts may be aluminized corrugated metal with metal flared end sections.

CONCRETE CURBING, WALKS & MISC. CONCRETE WORK:

- ACI 330 R-08, ACI 330.1-03 Specifications and Mn/DOT Specification Section 2521 & 2531 shall apply to ready-mixed concrete pavement materials, construction, curing, and quality control for curb and gutter construction and miscellaneous concrete work (walks, driveway aprons, etc.).
- The concrete mix (2461) to be used shall be 3F52 for curb & gutter (2531), walks and drives (2521).
- Contractor shall supply mix design data for review.
- Provide contraction and expansion jointing per Mn/DOT 2521 / 2531. Curb contraction joints shall be placed at even 10' increments.
- Isolation/expansion joint (1/2") shall be provided at connection with existing concrete pad, as well as end of curb return; joints shall be filled with preformed joint filler material (3702).
- Contractor shall provide a smooth radius curb return.
- When vertical tapering is necessary (inlets and ends), taper shall be from curb height to zero height in no less than 3.0 feet (UNO).
- All concrete shall be coated with white pigmented curing compound immediately after finishing is complete in accordance with Mn/DOT 3754, meeting ASTM C309, Type 2.
- Testing shall be the responsibility of the Contractor, and performed by a certified independent tester as required by Owner, and may include:
 - One set of 3 cylinders taken for every 100 cu yd of concrete (one set per day minimum).
 - Air testing and slump testing shall be completed with each cylinder set that is molded, and should be performed at the site upon delivery, after water addition (if applicable), with results reported to Owner representative or Engineer immediately.
 - Concrete failing to meet strength shall be removed and replaced at Contractor's expense.
- Minimum 6" depth of Class 5 (3138) aggregate base shall be furnished under all curb. All base material shall be compacted to 100% Standard Proctor upon the prepared subgrade.
- Base course shall be moist, but not saturated during concrete placement. Apply water not less than 6 hours before placement; if base dries, sprinkle water to moisten to avoid pools.
- Suitable salvaged material shall be used for backfill behind curb (once concrete has obtained sufficient strength).
- Contractor to install adequate barricades to keep automobile and pedestrian traffic off pavement for a minimum of 3 days, and truck traffic 7 days (incidental).

HOT MIX ASPHALT PARKING LOT AND STREET

- Bituminous pavement shall be of type indicated in the details, meeting all material and installation requirements of Mn/DOT Specification Section 2360.
- Test results and/or certificates of compliance shall be submitted for verification of mineral aggregates, gradation, aggregate quality, mix design, asphalt material, and tack coat.
- The bituminous surfacing shall be prepared, handled, and constructed per Mn/DOT 2360, with a maximum deviation of plus or minus 1/4 inch from the planned compacted thickness.
- The bituminous material for tack coat shall be CSS-1, CSS-1h, CRS-1, or CRS-2 meeting requirements of Mn/DOT 2357.
- When connecting to old bituminous pavement, a clean, straight, vertical edge will be provided by saw-cutting full depth through the existing pavement. New bituminous pavement shall match grade of existing pavement, with no noticeable difference at joint.
- The contact surfaces of all fixed structures, the edge of the in-place mixture in all courses at transverse joints, and the wearing course at longitudinal joints shall be given a uniform coating of Liquid Asphalt or Emulsified Asphalt tackifier before placing the adjoining mixture. The bituminous material shall be applied at a rate of 0.05 Gal/SY and by methods that will ensure uniform coating and in no case shall the application be excessive. The contractor shall thoroughly clean all hard surfaces immediately before applying tack material.
- Protect pavement areas from overloading by delivery trucks, construction equipment, and other vehicles prior to final lift compaction and cooling.
- Compaction of all street asphalt pavement shall be installed in two lifts; each lift shall be compacted with the Specified Density Method and have a minimum density of 92% (2360) for nonwear and 93% for wear course.
- Contractor shall test density of the nonwear and wear courses through an independent tester using a nuclear density meter or density of the core samples (NW only).
- Pavement sections shall be per details.
- Pavement marking striping shall be per Mn/DOT 2582 with epoxy resin (3590)
- Bituminous asphalt item payment includes furnishing, preparing, hauling, placing, compacting and testing.

STREET SIGNAGE:

- All signs must meet requirements and specifications of the Township and MMUTCD.
- All sign sheathing to be Type IX Diamond Grade (DG3).
- Sign posts to be green powdered painted galvanized metal, 3.0 lbs/ft.
- Street sign posts to be 12" tubular post with 0.080" wall thickness.
- Street signs shall be 9" tall blades.
- Use BR952 - BR4 bracket, new style.
- Street sign to be placed on Stop Sign post at the locations indicated.


SUBMITTALS:

- Contractor shall submit all material data sheets and shop drawings with adequate time for review and approval prior to receiving materials onsite.
- Pipe sewer shop drawings
- Granular and aggregate material gradations.
- Geotextile fabric specification sheets.
- Erosion and sediment control materials.
- Turf restoration seed mixes.
- Bituminous mix: asphalt content and aggregate gradation.
- Concrete mix
- Compaction and other testing results, as required by Owner/LGU.

Print Date: 7/20/2023 9:16 AM
File Loc: C:\CIVIL Methods, Inc\GMI - Documents\7 Projects\0721_Dellwood Const\Subs_Dellwood Country Estates\08_DRAWINGS AND SPECIFICATIONS\CID\Sheets\PRELIM\MKVCT01_DETAILS.dwg

CIVIL METHODS, INC.
 P.O. Box 28038
 St. Paul, MN 55128
 o:763.210.5713 | www.civilmethods.com

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


 DAVID M. POGGI

DATE: 07-19-2023

LIC. NO.: 44573

DESIGNED:	DMP
DRAWN:	DMP
CHECKED:	KEB

DATE / REVISION:	03-06-2023 Preliminary Review Set. NOT FOR CONSTRUCTION
	05-11-2023 Revised per Township review.
	06-22-2023 Revised per Township & ACHD review.
	07-18-2023 Revised per Township & ACHD review (revised sign requirements).
	07-19-2023 Revised street section detail.

DELLWOOD CONST. LTD
 DELLWOOD COUNTRY ESTATES
 LINWOOD TOWNSHIP, MN

NOTES

SHEET NO:
C704



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 Statutes 216D are 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

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.

7560.0250 EXCAVATION NOTICE SYSTEM

4

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:

7560.0350 EXCAVATION NOTICE SYSTEM

6

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

8

- 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.

7560.0800 EXCAVATION NOTICE SYSTEM

10

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*

Certificate Of Completion

Envelope Id: CF22D889F1484C06BBE92918A73FB0CA	Status: Completed
Subject: Andrew Green - ROW Permit Application	
Source Envelope:	
Document Pages: 46	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: 63.231.155.112

Record Tracking

Status: Original	Holder: Highway Permits	Location: DocuSign
9/16/2023 9:06:19 AM	HighwayPermits@co.anoka.mn.us	
Security Appliance Status: Connected	Pool: StateLocal	
Storage Appliance Status: Connected	Pool: Anoka County	Location: DocuSign

Signer Events

Andrew Green
greenwayexcavating.mn@gmail.com
Security Level:
DocuSign.email
ID: 1
9/16/2023 9:06:21 AM

Signature

DocuSigned by:

F37E78CB1CBD4DA...
Signature Adoption: Pre-selected Style
Using IP Address: 63.231.155.112

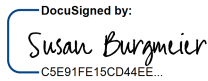
Timestamp

Sent: 9/16/2023 9:06:20 AM
Viewed: 9/16/2023 9:07:07 AM
Signed: 9/16/2023 9:40:45 AM

Electronic Record and Signature Disclosure:

Accepted: 9/16/2023 9:07:07 AM
ID: bc088089-4f5c-467a-aa46-d79b888fb972

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

DocuSigned by:

C5E91FE15CD44E...
Signature Adoption: Pre-selected Style
Using IP Address: 156.98.106.245

Sent: 9/16/2023 9:40:50 AM
Viewed: 9/18/2023 12:00:01 PM
Signed: 9/18/2023 1:20:01 PM

Electronic Record and Signature Disclosure:

Accepted: 9/14/2023 2:17:12 PM
ID: 2ac23b50-bb98-47d8-8687-cbacec1b6c69

In Person Signer Events	Signature	Timestamp
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
Envelope Sent	Hashed/Encrypted	9/16/2023 9:06:20 AM
Envelope Updated	Security Checked	9/16/2023 9:40:45 AM
Certified Delivered	Security Checked	9/18/2023 12:00:01 PM
Envelope Updated	Security Checked	9/18/2023 1:20:01 PM
Signing Complete	Security Checked	9/18/2023 1:20:01 PM
Completed	Security Checked	9/18/2023 1:20:01 PM

Payment Events	Status	Timestamps
-----------------------	---------------	-------------------

Electronic Record and Signature Disclosure

ELECTRONIC RECORD AND SIGNATURE DISCLOSURE

The following information constitutes Anoka County's (we, us or Company) written notices or disclosures relating to your use of DocuSign in relation to Anoka County's license. Described below are the terms and conditions for providing notices and disclosures electronically through the DocuSign system. Please read the information below carefully and thoroughly, and if you agree to this Electronic Record and Signature Disclosure (ERSD), please confirm your agreement by selecting the check-box next to 'I agree to use electronic records and signatures' before clicking 'CONTINUE' within the DocuSign system.

Getting paper copies

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.