



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

24-347

RIGHT OF WAY

COMMERCIAL ACCESS

CSAH 54

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 Gustafson Excavating

CONTACT PERSON Derek

ADDRESS 6610 410th Street

CITY North Branch

PHONE NUMBER 651-674-7430

EMAIL derek@gustafsonexcavating.com

COMPANY OR INDIVIDUAL PERFORMING WORK GUSTAFSON EXCAVATING

CONTACT PERSON Derek Gustafson

EMAIL derek@gustafsonexcavating.com

PHONE NUMBER 651-303-3288

PERMIT WORK TO START 06/10/2024

PERMIT WORK TO BE COMPLETED 09/30/2024

DURATION OF JOB 3 months

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

ANOKA COUNTY PROJECT NUMBER

WORK SITE ADDRESS W Freeway Drive PID 36-32-22-32-0005

CITY Columbus

METHOD OF INSTALLATION/CONSTRUCTION Excavation

NATURE OF WORK Bore watermain construct turn and bypass lane.

PER APPROVED PLANS ON FILE AT ACHD

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).

X DITCH/BLVD



X GRAVEL

X BITUMINOUS



Traffic Control Plan/Bypass Lane SheetC400

CONCRETE

NONE

IS SIGNING AND STRIPING REQUIRED? Yes

DEPTH FROM SURFACE 8'

(60" minimum under county roads)

SIZE AND KIND OF PIPE/CABLE 8" HDD DR11

NUMBER OF EXCAVATIONS 1

SIZE OF EXCAVATIONS 5X5

(Length, width, and depth)

LOCATION OF EXCAVATIONS ALL EXCAVATIONS ARE TO BE PROTECTED AT ALL TIMES AND THEN BACKFILLED WHEN UNATTENDED AND/OR OVERNIGHT

Specific written descriptions of excavations - if shown on attached drawing, drawing shall be specific with depth and distance from centerline, curb, or other distinguishable location. Traffic control plans cannot be approved without specific excavation descriptions.

SEE PLANS

PER APPROVED PLANS ON FILE AT ACHD

THIS PERMIT COVERS THE RIGHT OF WAY IN ANOKA COUNTY ONLY

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



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GENERAL INFORMATION

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

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

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

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

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

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

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

APPLICANT'S SIGNATURE	DocuSigned by: <i>Derek Gustafson</i> 97BD689BFD4C44B...	DATE	6/5/2024
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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: <i>Susan Burgmeier</i> 65E91FE156D44EE...	DATE	6/10/2024
TITLE: Traffic Technician			

NOT VALID UNLESS SIGNED BY ANOKA COUNTY

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SPECIAL CONDITIONS

TRAFFIC CONTROL

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

CONSTRUCTION REQUIREMENTS

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

HORIZONTAL BORING AND JACKING

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

BITUMINOUS RESTORATION

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

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CONCRETE RESTORATION

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

UTILITY LINES

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

SECTION CORNER MONUMENTS

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

ATTACHING TO BRIDGES/STRUCTURES

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

ADDITIONAL PROVISIONS

- 1) All subcontractors, installers, and crew shall possess a physical or electronic 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 Anoka County Permits at 763-324-3176 or highwaypermits@anokacountymn.gov
 - a) At least 36 hours prior to the commencement of work
 - b) With time frame of proposed of work
 - c) Anticipated traffic control
 - d) When work is complete - including restorations - to request a final inspection
- 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) For staking of right-of way or proposed infrastructure, contact Chris Osterhus at 763-324-3189 a minimum of 48 hours prior to the commencement of work.

INITIAL DS
DG

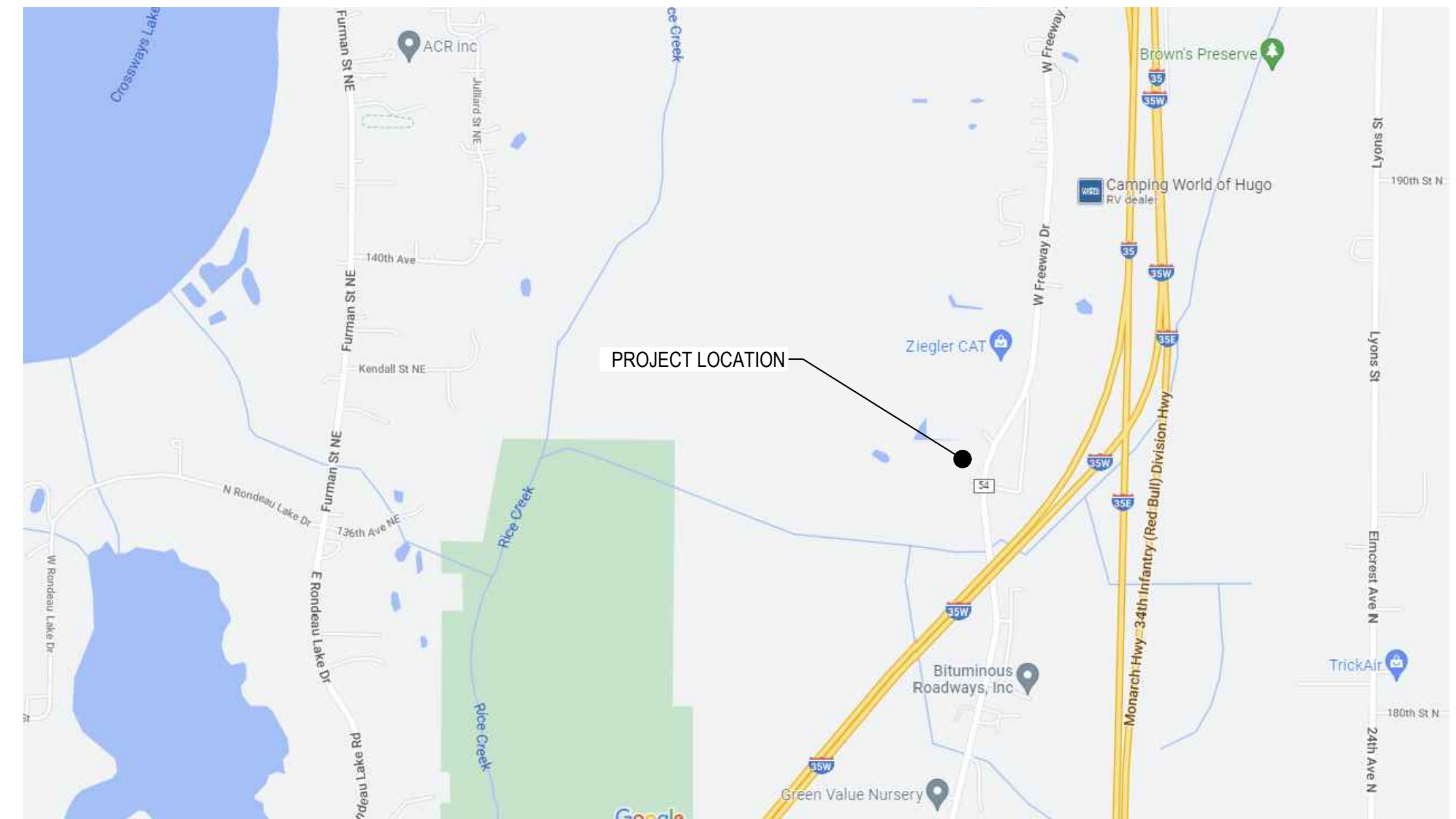


No additional comments.

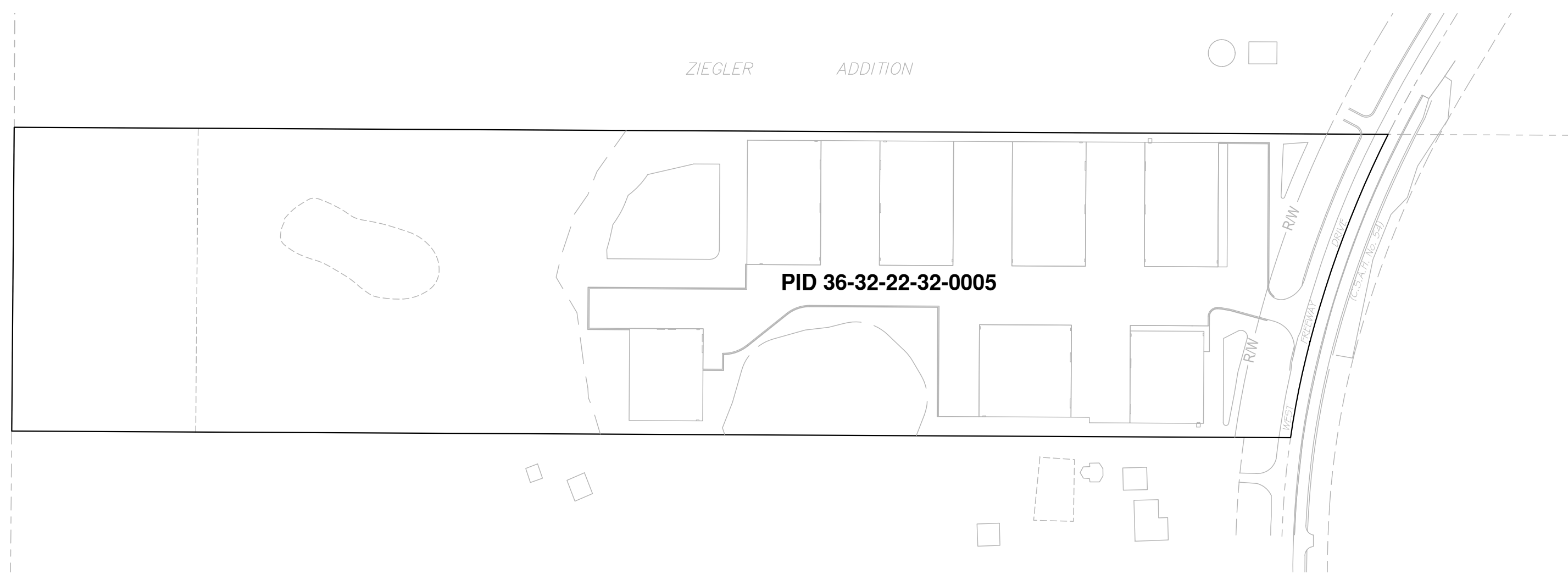
ENGINEERING PLAN

FOR COLUMBUS INDUSTRIAL PARK WEST FREEWAY DR. NE COLUMBUS, MN 55038

PREPARED FOR:
BROWN BEAGLE, LLC
4 HAWK LANE
NORTH OAKS, MN 55127
CONTACT: JON SAWYER
PHONE: (612) 743-3503
EMAIL: JON.SAWYER@COMCAST.NET



VICINITY MAP
NOT TO SCALE



SITE MAP
NOT TO SCALE

SHEET INDEX

- G001 COVER SHEET
- G002 SURVEY
- G003 EXISTING CONDITIONS & DEMOLITION PLAN
- G004 NOTES
- C100 SITE PLAN
- C101 SITE PLAN - TURN LANES
- C102 SITE PLAN PHASE 1
- C103 COMPOSITE UTILITY PLAN
- C110 STORMWATER POLLUTION PREVENTION PLAN
- C111 GRADING AND EROSION CONTROL PLAN
- C112 GRADING AND EROSION CONTROL PLAN
- C113 CROSS SECTIONS
- C114 CROSS SECTIONS
- C115 CROSS SECTIONS
- C116 CROSS SECTIONS
- C120 STORMWATER FACILITY PLAN
- C190 GRADING DETAILS
- C191 EROSION CONTROL DETAILS
- C300 UTILITY PLAN & PROFILE
- C301 UTILITY PLAN & PROFILE
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- C303 UTILITY PLAN & PROFILE
- C304 UTILITY PLAN & PROFILE
- C390 UTILITY DETAILS
- C391 UTILITY DETAILS
- C400 TRAFFIC CONTROL PLAN BYPASS LANE
- C401 TRAFFIC CONTROL PLAN BYPASS LANE
- C402 TRAFFIC CONTROL PLAN RIGHT TURN LANE
- C403 TRAFFIC CONTROL PLAN RIGHT TURN LANE
- L100 LANDSCAPE PLAN
- L101 LANDSCAPE NOTES AND DETAILS
- E100 LIGHTING PLAN

CITY OF COLUMBUS

JIM WINDINGSTAD - PUBLIC WORKS (CITY OF COLUMBUS)
 KEVIN BITTNER - CITY ENGINEER (BOLTON & MENK)
 BEN GUTKNECHT - ASSOCIATE PLANNER (CITY OF COLUMBUS)
 ELIZABETH MURSKO - CITY ADMINISTRATOR (CITY OF COLUMBUS)
 ALAN NEWMAN - FIRE CHIEF (FOREST LAKE FIRE DEPARTMENT)
 ANNA GRACE - WATERSHED (RICE CREEK WATERSHED DISTRICT)
 BRANDON ULVENES - COUNTY DEVELOPMENT REVIEWER (ANOKA COUNTY)

CITY OF COLUMBUS	
BY _____	DATE _____
PUBLIC WORKS DIRECTOR	
BY _____	DATE _____
CITY ENGINEER	
BY _____	DATE _____
COMMUNITY DEVELOPMENT DIRECTOR	
BY _____	DATE _____
FIRE MARSHAL	

APPROVED FOR COUNTY TURN LANE ITEMS ONLY	
BY _____	DATE _____
ANOKA COUNTY ENGINEER	

PREPARED BY:



WINDSOR ENGINEERS

Vancouver, WA
Duluth + Minneapolis, MN
www.windsorengineers.com

PROJECT NUMBER: 21136.4

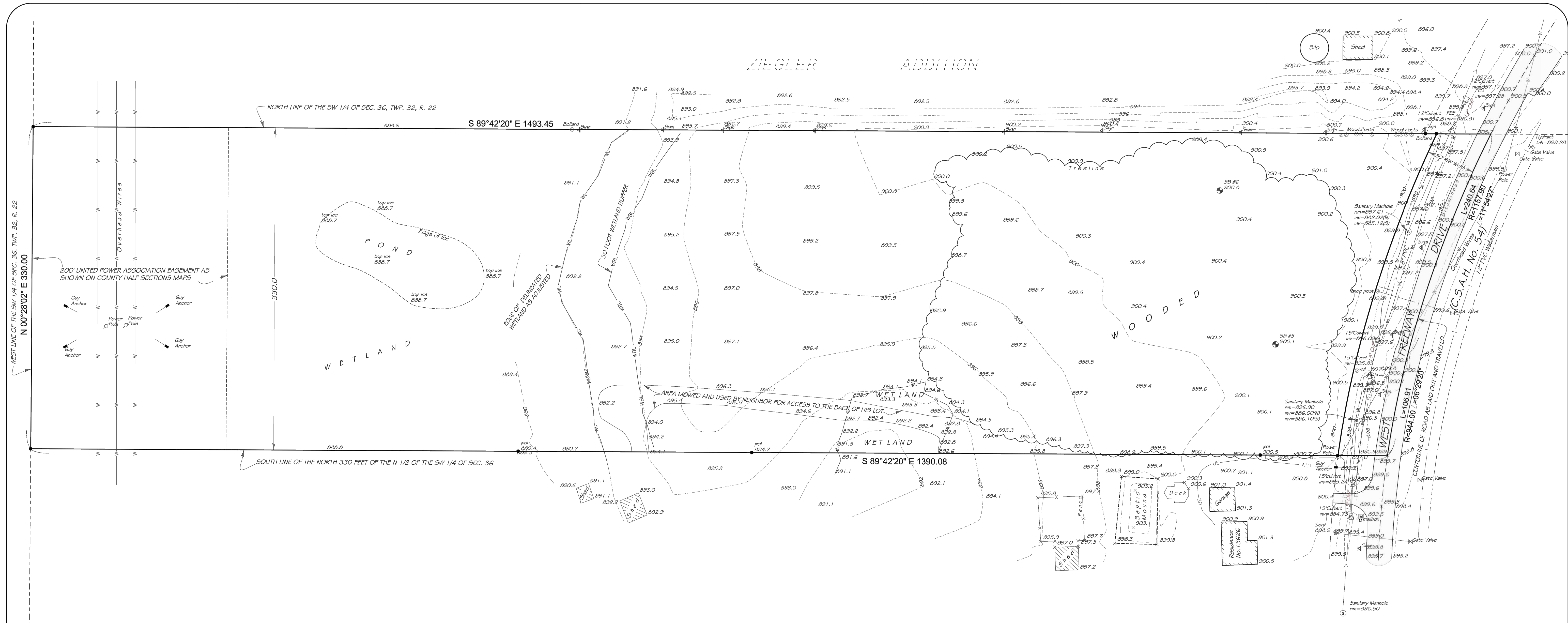
I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

DATE: 08-15-2023

REGISTRATION NO: 52664

SIGNED: 
MARCUS R. LEE, P.E.

CONTACT: MARCUS LEE
PHONE: 612-428-3027
EMAIL: MLEE@WINDSORENGINEERS.COM
500 NORTH 3RD STREET, SUITE 100 MINNEAPOLIS, MN 55401



Legend

- GAS — Gas Main
- UT — Underground Communications
- UE — Underground Electric
- < — Sanitary Sewer
- << — Storm Sewer
- | — Watermain
- W — Overhead Wires
- FO — Fiber Optics
- WL — Edge of delineated Wet Land per flags located in the field
- WBL — 50' Wetland Buffer
- Denotes Found Iron Monument
- Denotes Iron Monument Set
- ⊗ Bollard
- ⊛ Light
- ⚡ Power Pole
- ⚓ Hydrant
- Ⓢ Sanitary Manhole
- Ⓣ Storm Manhole
- Ⓜ Water Manhole
- Ⓟ Catch Basin
- FES Flared End Section
- ⊕ Soil Boring
- ⊖ Anchor for Power Poles

Zoning Information

Property Currently Zoned: L 1 - Light Industrial

Zoning Ordinance Requirements:

Building Setbacks
 Front - 30 feet
 Side Yard - 10 feet
 Rear Yard - 10 feet

Maximum Building Height - 50 feet
 Maximum lot area to be covered by buildings - 50%
 Floor Area Ratio - 1:1

Refer to City code for additional requirements, exceptions and modifications.

Information per City of Columbus Zoning ordinance.
 Refer questions to:
 City of Columbus
 Planning & Zoning
 16319 Kettle River Blvd. NE
 Columbus, MN 55025
 phone: 651-464-3120

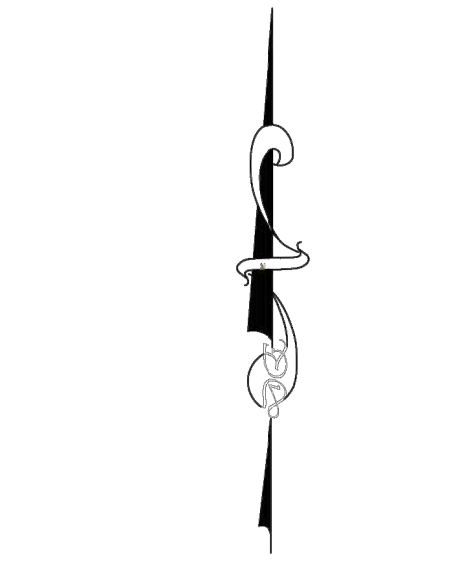
Miscellaneous Notes

- 1 Property Address: Unassigned address, Columbus, MN 55038
PID No.: 36-32-22-32-0005
- 2 Area of Parcel = 472,622 sq. ft. (10.85 acres) Area includes right of way
- 3 By graphic interpretation only, this property is in Flood Zone "X" (area of minimal flooding) and Zone "A" (area prone to flooding) per FEMA panel map number 27003C0360E, effective on 12/16/2015.
- 4 Title insurance commitment showing property description and any encumbrances of record not provided, survey subject to change. The only easements shown are from plats of record or information provided by client.
- 5 Property located in Section 36, Township 32, Range 22, Anoka County, Minnesota.
- 6 Benchmark: MNDOT monument "Trout MNDT RM 1"
Elevation = 915.106 feet (NAVD 88)
- 7 Above ground utility locations have been field located as shown. All underground utility services which serve the property have attempted to be located through the services of Gopher State One Call per ticket number 213500458. Utilities as shown are from available maps and markings located in the field, locations are only approximate. Before any digging contact Gopher State One Call (651-454-0002 or 811)

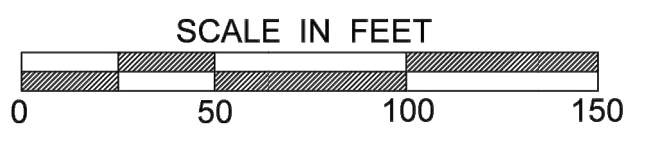
Legal Description

That part of the North 330 feet of the North Half of the Southwest Quarter of Section 36, Township 32, Range 22 Anoka County, Minnesota, lying Westerly of the centerline of County State Aid Highway No. 21, Except Road. Subject to easements of record.

Abstract property.
 Description per County Tax Records.



Coordinate system based on Anoka County coordinates



FIELD BY: RP	I certify that this plan, specification, 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. Surveyed this 28th day of December 2021. Signed: <i>Gregory R. Prasch</i> Gregory R. Prasch Registration No. 24992
DRAWN BY: GRP	
CHECKED BY: GRP	

REVISION SUMMARY	
10.25.22	highway number

DEMARC
 LAND SURVEYING & ENGINEERING
 7601 73rd Avenue North
 Minneapolis, Minnesota 55428
 (763) 560-3093
 Demarcinc.com

SURVEY FOR:
BROWN BEAGLE, LLC
 4 Hawk Lane
 North Oaks, MN 55127

EXISTING CONDITIONS SURVEY

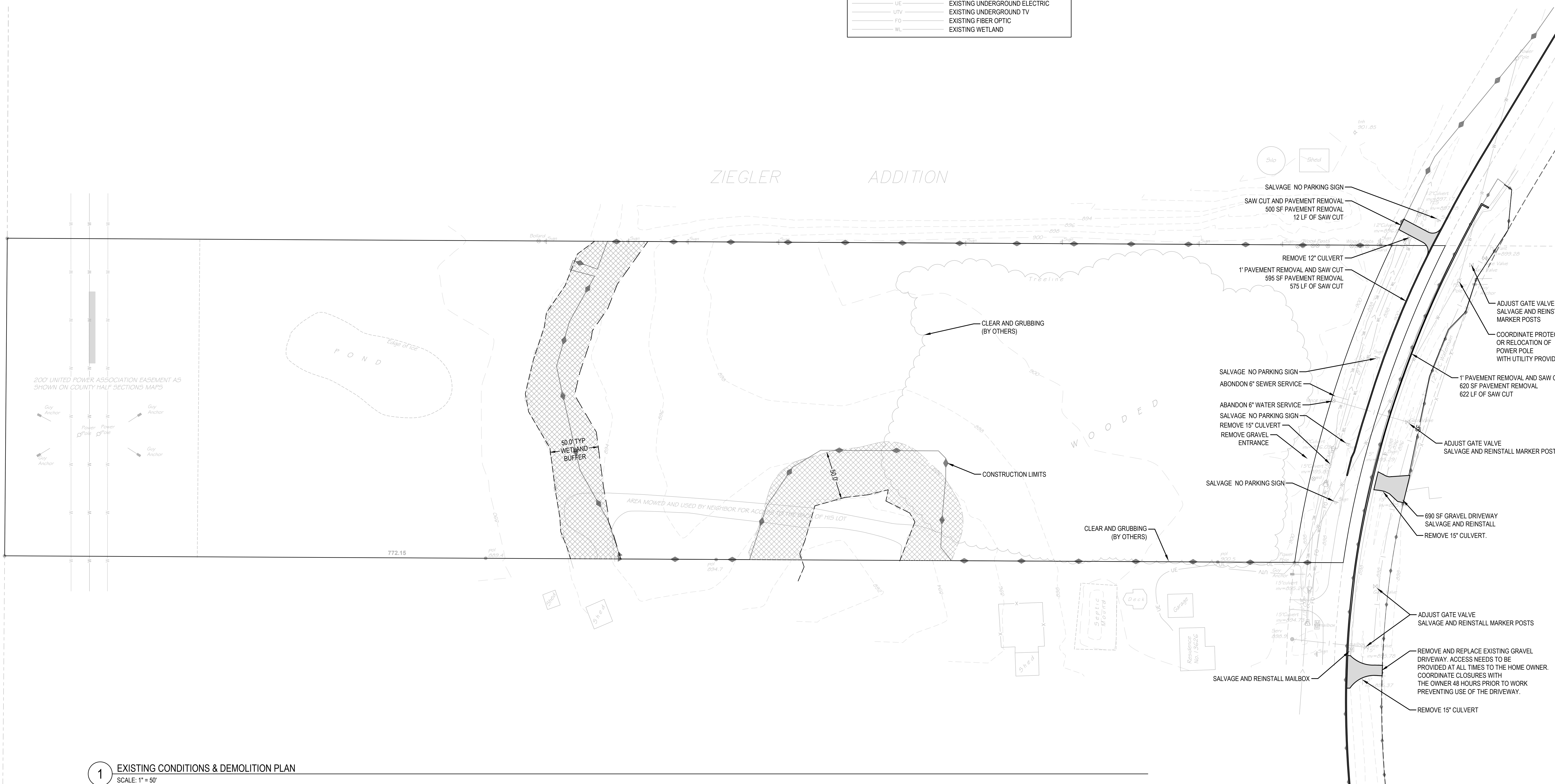
DEVELOPMENT KNOW AS:
WEST FREEWAY DRIVE

PROJECT: 89872
 FB No: 1122-41
G002

EXISTING LEGEND	
	EXISTING BOUNDARY LINE
	EXISTING CONTOUR- MINOR
	EXISTING CONTOUR- MAJOR
	EXISTING RIGHT OF WAY
	EXISTING EASEMENT LINE
	EXISTING SANITARY SEWER
	EXISTING WATER MAIN
	EXISTING OVERHEAD ELECTRIC
	EXISTING UNDERGROUND ELECTRIC
	EXISTING UNDERGROUND TV
	EXISTING FIBER OPTIC
	EXISTING WETLAND

SITE PLAN LEGEND	
	CONSTRUCTION LIMITS

- GENERAL NOTES:**
1. NO DISTURBANCE WITHIN THE WETLANDS.
 2. LIMIT DISTURBANCE WITHIN WETLAND BUFFERS.
 3. EXISTING ACCESS TO BE REMOVED AND REPLACED.
 4. COUNTY ROAD SAW CUT CAN HAPPEN PRIOR TO TURN LANE CONSTRUCTION BUT PAVEMENT MUST STAY IN PLACE UNTIL TRAFFIC CONTROL AND TURN LANE CONSTRUCTION IS READY TO START.



1 EXISTING CONDITIONS & DEMOLITION PLAN
SCALE: 1" = 50'

Revisions:

No.	Description

LINE IS 1" ON FULL SCALE DRAWING



WINDSOR ENGINEERS
Vancouver, WA
Duluth + Minneapolis, MN
www.windsorengineers.com
Project No: 21136.4
Copyright 2023 By Windsor Engineers, LLC
All Rights Reserved.

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.
DATE: 08-15-2023
REGISTRATION NO: 52664
SIGNED:
MARCUS R. LEE, P.E.

COLUMBUS INDUSTRIAL PARK
WEST FREEWAY DR. NE
COLUMBUS, MN 55038

ENGINEERING PLAN
Issue Date: 08/15/2023

Project Manager MRL
Drawn by CKJ
Checked by MRL

EXISTING CONDITIONS & DEMOLITION PLAN

G003

ISSUED FOR ENGINEERING APPROVAL ONLY

PLOT DATE: 08/15/2023 9:09 AM - FILE: C:\Users\MARCUSL\OneDrive - Windsor Engineers\OneDrive - Windsor Engineers\02_Projects\2021\136.4_Columbus Industrial\02_Drawings\01_Working\Sheets\21136.4_01_0001_EX.CONDITIONS.dwg

CONTACT INFORMATION

PROJECT APPLICANT / OWNER
BROWN BEAGLE, LLC
4 HAWK LANE
NORTH OAKS, MN 55127
CONTACT: JON SAWYER
JON.SAWYER@COMCAST.NET
PHONE: (612) 743-3503

CIVIL ENGINEER
WINDSOR ENGINEERS
500 NORTH 3RD STREET, SUITE 100
MINNEAPOLIS, MN 55401
CONTACTS: MARCUS LEE
MLEE@WINDSORENGINEERS.COM
PHONE: (612) 428-3027

SURVEYOR
DEMARC LAND SURVEYING AND ENGINEERING
7601 73RD AVENUE NORTH
MINNEAPOLIS, MN 55428
CONTACTS: JEFFREY PRASCH
JEFFPRASCH@DEMARCINC.COM
PHONE: (763) 560-3093

GENERAL ABBREVIATIONS

Table with 2 columns: Abbreviation (ABD, E, C, CB, CL, CNS, CO, CR, D, FG, FH, FL, FM, G, GB, HP, LF, LP, MG, MG, MH, NS, NTS, P, PC, POC, POS, PP, PT, R, ROW, S, SAN, SSMH, STA, STM, STMH, TBD, TBL, TBR, TC, TOE, TOP, TP, U, VIP, W) and Description (APPROVED BACKFLOW DEVICE, EXISTING, CONCRETE, CATCH BASIN, CENTERLINE, COMPACTED NATIVE SOIL, CLEAN OUT, CURB RETURN, DIRT / DRAINAGE, FINISHED GRADE, FIRE HYDRANT, FLOW LINE, FORCE MAIN, NATURAL GAS (LOW PRESSURE), GRADE BREAK, HIGH POINT, LINEAR FOOT, LOW POINT, NATURAL GAS (MEDIUM PRESSURE), MATCH EXISTING GRADE, MANHOLE, NATIVE SOIL, NOT TO SCALE, PAVEMENT, POINT OF CURVATURE, POINT OF CONNECTION, POINT OF SERVICE, POWER POLE, POINT OF TANGENCY, RADIUS, RIGHT OF WAY, SLOPE / SANITARY, SEWER SEWER, SANITARY MANHOLE, STATION, STORM DRAIN, STORM MANHOLE, TO BE DETERMINED, TO BE RELOCATED BY RESPECTIVE UTILITY, TO BE REMOVED BY CONTRACTOR, TOP OF CURB, TOE OF BANK, TOP OF BANK, TELEPHONE POLE, UNDERGROUND, VERIFY IN FIELD PRIOR TO CONSTRUCTION, WATER MAIN)

GENERAL PLAN NOTES

- 1. CONTRACTOR TO VERIFY ALL UTILITY LOCATIONS AND DEPTHS PRIOR TO CONSTRUCTION. A MINIMUM OF TWO FULL BUSINESS DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL CALL 811 (UTILITY NOTIFICATION CENTER) FOR LOCATION MARK-UP OF EXISTING UTILITIES
2. ALL CONSTRUCTION, MATERIALS, AND WORKMANSHIP SHALL CONFORM TO THE LATEST STANDARDS AND PRACTICES OF:
- THE 2020 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION SHALL GOVERN. AVAILABLE AT: http://www.dot.state.mn.us/pre-letting/spec/index.html
- ANOKA COUNTY STANDARDS
- THE CITY OF COLUMBUS STANDARDS
3. IN CASE OF A CONFLICT BETWEEN THE REGULATORY STANDARDS OR SPECIFICATIONS, THE MORE STRINGENT REQUIREMENT WILL PREVAIL.
4. ANY CHANGES TO THE DESIGN AND/OR CONSTRUCTION SHALL BE APPROVED BY THE OWNER OR ENGINEER.
5. APPROVAL OF THESE PLANS DOES NOT CONSTITUTE AN APPROVAL OF ANY OTHER CONSTRUCTION NOT SPECIFICALLY SHOWN ON THE PLANS. PLANS FOR STRUCTURES SUCH AS BRIDGES, BUILDINGS, TANKS, VAULTS, ROCKERIES, AND RETAINING WALLS MAY REQUIRE A SEPARATE REVIEW AND APPROVAL BY THE BUILDING DEPARTMENT PRIOR TO CONSTRUCTION.
6. A COPY OF THESE APPROVED PLANS SHALL BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
7. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ALL CONSTRUCTION EASEMENTS AND PERMITS NECESSARY TO PERFORM THE WORK.
8. THE CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION STAKING.
9. PUBLIC AND PRIVATE DRAINAGE WAYS SHALL BE PROTECTED FROM POLLUTION. NO MATERIAL IS TO BE DISCHARGED TO OR DEPOSITED IN STORMWATER SYSTEMS THAT MAY RESULT IN VIOLATION OF STATE OR FEDERAL WATER QUALITY STANDARDS.
10. ALL CONSTRUCTION WITHIN THE PUBLIC RIGHT-OF-WAY SHALL HAVE AN APPROVED PUBLIC RIGHT-OF-WAY WORK PERMIT PRIOR TO ANY CONSTRUCTION ACTIVITY WITHIN THE RIGHT-OF-WAY.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE SAFEGUARDS, SAFETY DEVICES, PROTECTIVE EQUIPMENT, FLAGGERS, AND ANY OTHER NEEDED ACTIONS TO PROTECT THE LIFE, HEALTH, AND SAFETY OF THE PUBLIC, AND TO PROTECT PROPERTY IN CONNECTION WITH THE PERFORMANCE OF WORK COVERED BY THE CONTRACTOR. ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE LATEST ADOPTED EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD) PUBLISHED BY THE U.S. DEPARTMENT OF TRANSPORTATION. TWO-WAY TRAFFIC MUST BE MAINTAINED AT ALL TIMES ON THE ADJACENT PUBLIC STREETS.
12. ANY PUBLIC OR PRIVATE CURB, GUTTER, SIDEWALK, OR ASPHALT DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED TO CITY/COUNTY STANDARDS AND PRACTICES.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE INTEGRITY OF ADJACENT UTILITIES WHICH MAY INCLUDE, BUT ARE NOT LIMITED TO, WATER, SANITARY SEWER, STORMWATER, POWER, TELEPHONE, CABLE TV, GAS, IRRIGATION, AND STREET LIGHTING. THE CONTRACTOR SHALL NOTIFY RESIDENTS AND BUSINESSES 48 HOURS IN ADVANCE OF ANY WORK AFFECTING ACCESS OR SERVICE AND SHALL MINIMIZE INTERRUPTIONS TO DRIVEWAYS FOR RESIDENTS AND BUSINESSES ADJACENT TO THE PROJECT.
14. ALL LAWN AND VEGETATED AREAS DISTURBED WILL BE RESTORED TO ORIGINAL CONDITION. ANY DISTURBANCE OR DAMAGE TO OTHER PROPERTY ON ADJACENT PARCELS OR IN THE PUBLIC RIGHT OF WAY SHALL ALSO BE REPAIRED OR RESTORED TO ORIGINAL CONDITION.
15. ALL MATERIALS AND METHODS OF CONSTRUCTION AND INSTALLATION FOR WATER, SANITARY SEWER, AND STORM FACILITIES SHALL CONFORM TO THE CITY OF DULUTH CONSTRUCTION STANDARDS. CONSTRUCTION SHALL BE AS PER THE MOST CURRENT STANDARD DETAIL CONTAINED THEREIN.
16. THE TYPES, LOCATIONS, SIZES AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AND STRUCTURES AS SHOWN ON THE DRAWINGS ARE APPROXIMATE AND WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS, AND DEPTHS OF UTILITIES. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDERGROUND UTILITIES. THE CONTRACTOR SHALL VERIFY THE LOCATION OF AND PROVIDE PROTECTION FOR ALL UTILITIES AND STRUCTURES. OVERHEAD UTILITIES ARE NOT SHOWN.
17. EXISTING UTILITIES DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR OR BY THE UTILITY.
18. WHERE THE CONTRACTOR MUST RELOCATE WATER AND GAS UTILITIES, SHUTDOWN SHALL ONLY BE ACCOMPLISHED BY THE CITY OR UTILITY PURVEYOR.
19. ALL OPEN TRENCHES THAT IMPACT PUBLIC ACCESS OR OTHER PROJECT WORK ACCESS OUTSIDE OF THIS PROJECTS SITE, MUST BE STEEL PLATED OR BACKFILLED AND PAVED WITH AT LEAST 2" OF COLD MIX TO ADJACENT EXISTING GRADE AT THE END OF EACH WORKDAY.
20. NOTIFY ADJACENT RESIDENCES AT LEAST ONE DAY PRIOR TO COMMENCING WORK ADJACENT TO THEIR RESIDENCES.
21. SAWCUT ALL PAVEMENT JOIN LINES. WHERE THERE IS A PREVIOUS PAVING EDGE OR CRACK WITHIN 5' OF THE SAWCUT EDGE, REMOVE THE PAVEMENT TO THE PREVIOUS PAVING EDGE.
22. THE CONTRACTOR SHALL COMPLY WITH MINNESOTA REQUIREMENTS FOR TRENCH SAFETY.
23. THE CONTRACTOR SHALL REPLACE ALL SURVEY MONUMENTS THAT ARE DESTROYED BY THE CONSTRUCTION.
24. ALL WATER PIPING SHALL BE CONSTRUCTED WITH 5' MINIMUM COVER, 1' VERTICAL SEPARATION BETWEEN UTILITIES, AND A MINIMUM OF 10' HORIZONTAL SEPARATION AND 18" ABOVE SEWER LINES, UNLESS OTHERWISE NOTED.
25. THE CONTRACTOR SHALL RESTORE PAVEMENT AND LANDSCAPING DISTURBED BY THE CONSTRUCTION TO THE PREVIOUSLY UNDISTURBED CONDITION.
26. CONTRACTOR TO DISPOSE OF TREES, SHRUBS, SOD AND OTHER DEBRIS IN A PROPER MANNER OF THE CONTRACTOR'S CHOOSING.

GENERAL CIVIL NOTES

SURVEY
TOPOGRAPHIC & BOUNDARY SURVEY BY DEMARC LAND SURVEYORS AND ENGINEERING
BENCHMARK: MNDOT MOUNIMENT "TROUT MNDT RM1"
ELEVATION: 915.106 (NAVD88)
STORM DRAINAGE:
ON-SITE STORM SEWER IMPROVEMENTS SHALL CONFORM TO THE LATEST VERSION OF THE UPC, AND CONFORM TO MNDOT SPECIFICATIONS WHERE NOTED.
THE CONTRACTOR SHALL MAINTAIN 6" MINIMUM VERTICAL AND 3' MINIMUM HORIZONTAL CLEARANCE (OUTSIDE SURFACES) BETWEEN STORM DRAIN PIPES AND OTHER UTILITY PIPES AND CONDUITS. FOR CROSSINGS OF SANITARY SEWER LINES, THE MINNESOTA POLLUTION CONTROL AGENCY CRITERIA APPLY.
STORM DRAIN PIPE, BENDS, AND FITTINGS SHALL BE PVC, ASTM D 3034, SDR 35, OR SMOOTH INTERIOR, HIGH DENSITY POLYETHYLENE CORRUGATED PIPE ASHTO M252 OR M284, TYPE S AS PRODUCED AND SPECIFIED BY ADS, PRODUCT NAME N12, OR APPROVED EQUAL. ALL STORM SEWER FITTINGS AND PIPE JOINTS SHALL BE GASKETED.
ALL STORM SEWER PIPE SHALL HAVE A MINIMUM 12" DIAMETER WITHIN ROADWAY
ALL ON-SITE STORMWATER FACILITIES SHALL BE PRIVATELY MAINTAINED BY THE CURRENT OR FUTURE PROPERTY OWNER(S).
ALL VAULT, UTILITY BOX, INLET, MANHOLE AND CLEANOUT RIMS SHALL BE ADJUSTED TO FINISH GRADE UNLESS OTHERWISE NOTED.
IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT AND MAINTAIN ANY STORM SYSTEM PIPING TO EXISTING DRAINAGE APPURTENANCES TO REMAIN.
CONTRACTOR IS RESPONSIBLE FOR ALL PERMITS AND INSPECTIONS.
ARCHAEOLOGY
IF ANY CULTURAL RESOURCES AND/OR HUMAN REMAINS ARE DISCOVERED IN THE COURSE OF UNDERTAKING THE DEVELOPMENT ACTIVITY, THE DEPARTMENT OF ARCHAEOLOGY AND HISTORIC PRESERVATION SHALL BE NOTIFIED. FAILURE TO COMPLY WITH THESE STATE REQUIREMENTS MAY CONSTITUTE A CLASS C FELONY, SUBJECT TO IMPRISONMENT AND/OR FINES.

GRADING & EROSION CONTROL NOTES

- FINISH GRADE CONTOURS ARE TO TOP OF FINISHED SURFACE IN IMPERVIOUS AREAS AND TOP OF REPLACED STRIPPINGS IN PERVIOUS AREAS.
CUT AND FILL QUANTITIES HAVE NOT BEEN DETERMINED. CONTRACTOR TO PERFORM QUANTITY TAKEOFF FOR ESTIMATING PURPOSES. CONTRACTOR SHALL BE RESPONSIBLE FOR HAUL-OFF EXCESS MATERIAL.
AMERICANS WITH DISABILITIES ACT (ADA) NOTES
1. CONTRACTORS SHALL EXERCISE APPROPRIATE CARE AND PRECISION IN CONSTRUCTION OF ADA ACCESSIBLE COMPONENTS ON THE PROJECT. THE ADA COMPONENTS MUST COMPLY WITH ALL LOCAL, STATE, AND FEDERAL ACCESSIBILITY RULES, CODES, AND REGULATIONS.
2. FINISHED SURFACES ALONG THE ACCESSIBLE PATH OF TRAVEL FROM PARKING STALLS, PUBLIC TRANSPORTATION, AND PEDESTRIAN ACCESS WAYS TO THE POINT(S) OF ACCESSIBLE BUILDING INGRESS AND EGRESS SHALL COMPLY WITH ADA CODE REQUIREMENTS.
3. PARKING SPACE AND AISLE SLOPE SHALL NOT EXCEED 1:48 (1/4" PER FOOT OR NOMINALLY 2.0%) IN ANY DIRECTION.
4. CURB RAMP SLOPE SHALL NOT EXCEED 1:12 (8.3%) AND RAMP LENGTH IS LIMITED TO 15 FEET.
5. LANDINGS SHALL BE PROVIDED AT EACH END OF RAMPS, SHALL HAVE POSITIVE DRAINAGE, AND SHALL NOT EXCEED 1:48 (1/4" PER FOOT OR NOMINALLY 2.0%) IN ANY DIRECTION.
6. PATH OF TRAVEL ALONG ACCESSIBLE ROUTE SHALL PROVIDE A MINIMUM OF 36 INCH UNOBSTRUCTED WIDTH OF TRAVEL. SLOPE SHALL BE NO GREATER THAN 1:20 (5.0% OR 5/8" PER FOOT) IN THE DIRECTION OF TRAVEL, AND SHALL NOT EXCEED 1:48 (1/4" PER FOOT OR NOMINALLY 2.0%) IN CROSS SLOPE. WHERE PATH OF TRAVEL BE GREATER THAN 1:20 (5.0%), AN ACCESSIBLE RAMP WITH A MAXIMUM SLOPE OF 1:12 (8.3%) FOR A MAXIMUM DISTANCE OF 30 FEET SHALL BE PROVIDED INCLUDING HANDRAILS. THE RAMP SHALL HAVE ACCESSIBLE HAND RAILS AND LANDINGS ON EACH END WITH A SLOPE IN ANY DIRECTION NOT EXCEEDING 1:48 (1/4" PER FOOT OR NOMINALLY 2.0%).
7. DOORWAYS SHALL HAVE A LANDING AREA ON THE EXTERIOR SIDE OF THE DOOR THAT IS SLOPED NO MORE THAN 1:48 (1/4" PER FOOT OR NOMINALLY 2.0%) FOR POSITIVE DRAINAGE. THIS LANDING AREA SHALL BE NO LESS THAN 60 INCHES (5 FEET) LONG, EXCEPT HERE OTHERWISE PERMITTED BY ACCESSIBILITY STANDARDS FOR ALTERNATIVE DOORWAY OPENING CONDITIONS AND APPROVED BY THE OWNER'S REPRESENTATIVE.
8. WHERE PEDESTRIAN ACCESS ROUTES ARE CONTAINED WITHIN A STREET OR HIGHWAY RIGHT-OF-WAY, THE GRADE OF THE PEDESTRIAN ACCESS ROUTE IS PERMITTED TO EQUAL THE GENERAL GRADE ESTABLISHED FOR THE ADJACENT STREET OR HIGHWAY, EXCEPT THAT WHERE PEDESTRIAN ACCESS ROUTES ARE CONTAINED WITHIN PEDESTRIAN STREET CROSSINGS A MAXIMUM GRADE OF 5 PERCENT IS REQUIRED. (EXCEPT FROM PROWAG)

STANDARD NOTES FOR EROSION CONTROL PLAN

- 1. APPROVAL OF THIS EROSION/SEDIMENTATION CONTROL (ESC) PLAN DOES NOT CONSTITUTE AN APPROVAL OF PERMANENT ROAD OR DRAINAGE DESIGN (E.G. SIZE AND LOCATION OF ROADS, PIPES, RESTRICTIONS, CHANNELS, RETENTION FACILITIES, UTILITIES, ETC.)
2. THE IMPLEMENTATIONS OF THESE ESC PLANS AND THE CONSTRUCTIONS, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE ESC FACILITIES IS THE RESPONSIBILITY OF THE APPLICANT/CONTRACTOR, UNTIL ALL CONSTRUCTION IS COMPLETED AND APPROVED AND VEGETATION/LANDSCAPING IS ESTABLISHED.
3. THE BOUNDARIES OF THE CLEARING LIMITS SHOWN ON THIS PLAN SHALL BE CLEARLY FLAGGED IN THE FIELD PRIOR TO CONSTRUCTION. DURING THE CONSTRUCTION PERIOD, NO DISTURBANCE BEYOND THE FLAGGED CLEARING LIMITS SHALL BE PERMITTED. THE FLAGGING SHALL BE MAINTAINED BY THE APPLICANT/CONTRACTOR FOR THE DURATION OF CONSTRUCTION.
4. THE ESC FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES, AND IN SUCH A MANNER AS TO INSURE THAT SEDIMENT AND SEDIMENT LADEN WATER DO NOT ENTER THE DRAINAGE SYSTEMS, ROADWAYS, OR VIOLATE APPLICABLE WATER STANDARDS.
5. THE ESC FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS, DURING THE CONSTRUCTION PERIOD. THESE ESC FACILITIES SHALL BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS AND TO ENSURE THAT SEDIMENT AND SEDIMENT LADEN WATER DO NOT LEAVE THE SITE.
6. THE ESC FACILITIES SHALL BE INSPECTED DAILY BY THE APPLICANT/CONTRACTOR AND MAINTAINED AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTIONING.
7. THE ESC FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH OR WITHIN THE 48 HOURS FOLLOWING A STORM EVENT.
8. AT NO TIME SHALL MORE THAN ONE FOOT OF SEDIMENT BE ALLOWED TO ACCUMULATE WITHIN A TRAPPED CATCH BASIN. ALL CATCH BASINS AND CONVEYANCE LINES SHALL BE CLEANED PRIOR TO PAVING. THE CLEANING OPERATIONS SHALL NOT FLUSH SEDIMENT LADEN WATER INTO THE DOWNSTREAM SYSTEM.
9. STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES MAY BE REQUIRED TO ENSURE ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
10. THE PROPOSED STORMWATER FACILITY MUST REMAIN OFFLINE UNTIL THE PROJECT IS COMPLETE AND VEGETATION THROUGHOUT THE SITE HAS BEEN ESTABLISHED. IF AT ANY TIME THE FACILITY BECOMES INUNDATED WITH SEDIMENT FILLED RUNOFF, THE TOP 2" OF MATERIAL MUST BE REMOVED AND REPLACED PRIOR TO PROJECT COMPLETION.
RECOMMENDED CONSTRUCTION SEQUENCE FOR EROSION CONTROL
1. PRE-CONSTRUCTION MEETING.
2. FLAG OR FENCE CLEARING LIMITS
3. POST NOTICE OF CONSTRUCTION ACTIVITY SIGN WITH THE NAME AND PHONE NUMBER OF EROSION SEDIMENT CONTROL SUPERVISOR.
4. INSTALL CATCH BASIN PROTECTION, IF REQUIRED.
5. INSTALL PERIMETER PROTECTION (SILT FENCE, BRUSH BARRIER, ETC.).
6. INSTALL TREE PROTECTION FENCING.7. GRADE AND INSTALL CONSTRUCTION ENTRANCE(S).
8. CONSTRUCT SEDIMENT POND(S) AND TRAP(S).
9. GRADE AND STABILIZE CONSTRUCTION ROADS.
10. CONSTRUCT SURFACE WATER CONTROLS (INTERCEPT DIKES, PIPE SLOPE DRAINS, ETC) SIMULTANEOUSLY WITH CLEARING AND GRADING FOR PROJECT DEVELOPMENT.
11. MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH STORMWATER MANAGEMENT MANUAL FOR WESTERN MINNESOTA AND MANUFACTURER'S RECOMMENDATIONS
12. RELOCATE SURFACE WATER CONTROLS AND EROSION CONTROL MEASURE OR INSTALL NEW MEASURES SO THAT AS SITE CONDITIONS CHANGE THE EROSION AND SEDIMENT CONTROL IS ALWAYS IN ACCORDANCE WITH THE CLARK COUNTY EROSION AND SEDIMENT CONTROL STANDARDS.
13. COVER ALL AREAS THAT WILL BE UNWORKED FOR MORE THAN SEVEN DAYS DURING THE DRY SEASON OR TWO DAYS DURING THE WET SEASON WITH STRAW, WOOD FIBER MULCH, COMPOST, PLASTIC SHEETING OR EQUIVALENT.
14. STABILIZE ALL AREAS THAT REACH FINAL GRADE WITHIN SEVEN DAYS.
15. SEED OR SOD ANY AREAS TO REMAIN UNWORKED FOR MORE THAN 30 DAYS.
16. UPON COMPLETION OF THE PROJECT, ALL DISTURBED AREAS MUST BE STABILIZED AND BEST MANAGEMENT PRACTICES REMOVED IF APPROPRIATE.

PROPERTY DATA table with columns: PARCEL NUMBER(S), LOCATION / ADDRESS, ZONING, CITY LIMITS, WATER DISTRICT, SEWER DISTRICT, FIRE DISTRICT. Values: 36-32--22-32-0005, UNASSIGNED, 10.85, LIGHT INDUSTRIAL (LI), COLUMBUS, COLUMBUS, COLUMBUS.

WARNING:
LOCATION OF UNDERGROUND UTILITIES TO BE VERIFIED BY CONTRACTOR. CALL BEFORE DIGGING. GOPHER STATE ONE CALL 1-800-252-1166 REQUIRED BY LAW

Revisions table with 2 columns: Description, Date/Author. Includes a triangle symbol.

LINE IS 1" ON FULL SCALE DRAWING



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Vancouver, WA
Duluth + Minneapolis, MN
www.windsorengineers.com
Project No: 21136.4
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I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.
DATE: 08-15-2023
REGISTRATION NO: 52664
SIGNED: [Signature]
MARCUS R. LEE, P.E.

COLUMBUS INDUSTRIAL PARK
WEST FREEWAY DR. NE
COLUMBUS, MN 55038

ENGINEERING PLAN
Issue Date: 08/15/2023

Project Manager MRL
Drawn by CKJ
Checked by MRL

NOTES

G004

ISSUED FOR ENGINEERING APPROVAL ONLY

NOTES:

1. SEE SHEET SD-1 FOR SILT FENCE AND ROCK CONSTRUCTION ENTRANCE DETAIL.
2. PARKING LOT TO BE HEAVY DUTY PAVEMENT UNLESS OTHERWISE NOTED.
3. SEE ANOKA COUNTY DETAIL FOR TURNLANE TYPICAL SECTION.

EXISTING LEGEND	
	EXISTING BOUNDARY LINE
	EXISTING CONTOUR- MINOR
	EXISTING CONTOUR- MAJOR
	EXISTING RIGHT OF WAY
	EXISTING SANITARY SEWER
	EXISTING STORM WATER
	EXISTING WATER MAIN
	EXISTING OVERHEAD ELECTRIC
	EXISTING UNDERGROUND ELECTRIC
	EXISTING UNDERGROUND TV
	EXISTING FIBER OPTIC
	EXISTING WETLAND

SITE PLAN LEGEND	
	EXISTING BOUNDARY LINE
	EXISTING CONTOUR- MINOR
	EXISTING CONTOUR- MAJOR
	PROPOSED CONTOUR- MINOR
	PROPOSED CONTOUR- MAJOR
	PROPOSED PROPERTY LINE
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	PROPOSED WATER MAIN
	PROPOSED WATERLINE LATERAL
	CONSTRUCTION LIMITS
	PHASE LINE

(4)-PARKING MAY NOT OCCUPY MORE THAN 1/3 OF REQUIRED FRONT YARD AREA IN ALL COMMERCIAL, INDUSTRIAL AND MIXED-USE DISTRICTS INTERSECTION.
 (6)-NO STRUCTURE, EXCEPT FENCES AND SIGNPOSTS, SHALL COME WITHIN 35 FEET OF ANY RR DISTRICT BOUNDARY LINE.
 (8)-SETBACKS ABUTTING RESIDENTIAL RR DISTRICTS SHALL BE A MINIMUM OF 35 FEET.
 (12)-LOT COVERAGE MAY EXCEED 1.2 RATIO OR MAXIMUM 50% COVERAGE UPON A CASE-BY-CASE-DETERMINATION BY THE CITY ENGINEER THAT THE EXISTING OR PROPOSED STORMWATER MANAGEMENT SYSTEM CAN ACCOMMODATE A HIGHER LOT COVERAGE RATIO.

OFFICES. ONE (1) PARKING SPACE FOR EACH TWO HUNDRED (200) SQUARE FEET OF GROSS FLOOR AREA.

WAREHOUSE, STORAGE, HANDLING OF BULK GOODS. THE SPACE WHICH IS SOLELY USED AS OFFICE SHALL COMPLY WITH OFFICE USE REQUIREMENTS PLUS ONE (1) FOR EACH 2,000 SQUARE FEET OF GROSS FLOOR AREA PLUS ONE (1) SPACE FOR EACH EMPLOYEE ON MAXIMUM SHIFT AND ONE (1) SPACE FOR EACH COMPANY OWNED TRUCK IF NOT STORED IN THE PRINCIPLE BUILDING.

1 HANDICAP SPACE PROVIDED PLUS 10' X 20' SPACES.

PARKING SETBACK:

FRONT LOT LINE = 20 FEET
 SIDE LOT LINE = 10 FEET
 REAR LOT LINE = 10 FEET

BUILDING SETBACK:

FRONT LOT LINE = 75 FEET
 SIDE LOT LINE = 10 FEET
 REAR LOT LINE = 35 FEET

PARKING AND BUILDING IMPERVIOUS AREA = 155,454 SF / 3.569 AC

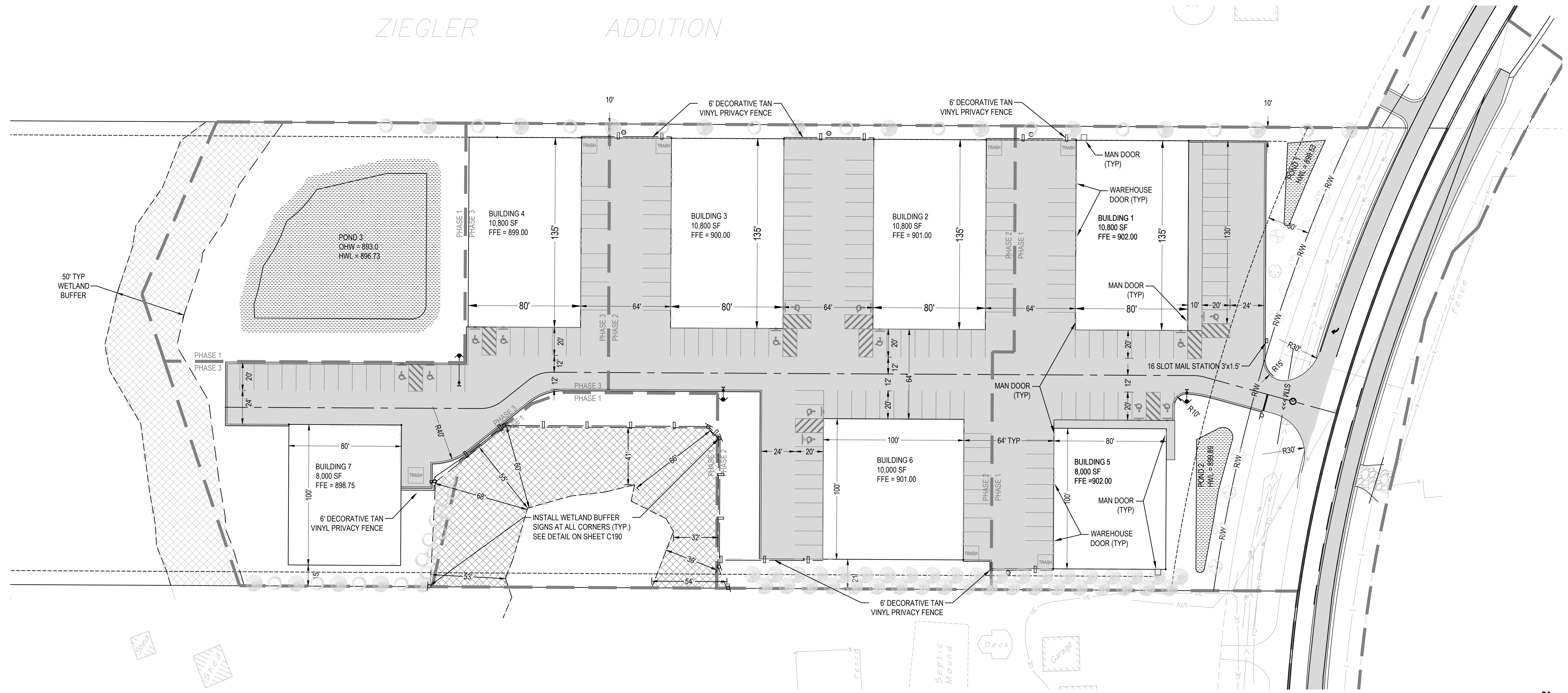
PARKING STALLS SHALL BE NO CLOSER THAN 20 FEET FROM THE FRONT PROPERTY LINE OR 10 FEET TO THE SIDE AND REAR PROPERTY LINES. NO PARKING SHALL OCCUPY PUBLIC EASEMENT AREA. PARKING SPACES SHALL BE A MINIMUM OF 10 FEET BY 20 FEET IN AREA AND SERVED BY A 24 FOOT WIDE DRIVE AISLE OR DRIVEWAY. ONE-WAY PARKING AISLES MAY BE NARROWER, SUBJECT TO SITE PLAN REVIEW AND APPROVAL BY THE CITY COUNCIL.

THE GENERAL MINIMUM PARKING REQUIREMENT, EXCEPT WHERE SPECIFICALLY LISTED BELOW, SHALL BE ONE (1) PARKING SPACE FOR EACH EMPLOYEE PLUS ONE (1) PARKING SPACE FOR EACH TWO (2) INVITEES OR ONE (1) PARKING SPACE FOR EACH TWO HUNDRED (200) SQUARE FEET OF GROSS FLOOR AREA OF RETAIL SPACE, OR ONE (1) PARKING SPACE FOR EACH 2,000 SQUARE FEET OF GROSS FLOOR AREA OF WAREHOUSE SPACE, WHICHEVER PRODUCES THE HIGHER NUMBER OF PARKING SPACES. THE PLANNING COMMISSION MAY RECOMMEND AND THE CITY COUNCIL MAY MODIFY PARKING REQUIREMENTS OR ESTABLISH PARKING STANDARDS, BASED UPON FINDING THAT CONFIRM A DIFFERENT NUMBER OR CONFIGURATION OF PARKING SPACES ARE ADEQUATE TO SERVE A PROPOSED USE OR IF THE USE IS NOT LISTED WITHIN THESE PROVISIONS.

MANUFACTURING, FABRICATING, OR PROCESSING OF A PRODUCT OR MATERIAL. ONE (1) PARKING SPACE FOR EACH EMPLOYEE ON THE LARGEST SHIFT, ONE (1) SPACE FOR EACH COMPANY OWNED TRUCK THAT IS NOT STORED INSIDE THE BUILDING AND GUEST PARKING AS MAY BE NECESSARY FOR THE BUSINESS.

PARKING REQUIREMENTS

DESCRIPTION	SQUARE FEET	REQUIRED PARKING STALLS PER SQUARE FEET	PROPOSED PARKING STALLS PER SQUARE FEET
OFFICE 15% - 20%	1,600	8 STANDARD + 1 HC	9 STANDARD + 1 HC
WAREHOUSE 80% - 85%	6,400 - 9,200	4-5 STANDARD	10-11 + 1 HC
7 BUILDINGS	69,200	91 + 7 HC	138 + 14 HC
TOTAL	69,200	91 + 7 HC	138 + 14 HC



1 SITE PLAN
 SCALE: 1" = 40'

Revisions:

No.	Description	Date

LINE IS 1" ON FULL SCALE DRAWING



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 DATE: 08-15-2023
 REGISTRATION NO: 52664
 SIGNED: *Marcus R. Lee*
 MARCUS R. LEE, P.E.

COLUMBUS INDUSTRIAL PARK
 WEST FREEWAY DR. NE
 COLUMBUS, MN 55038

ENGINEERING PLAN
 Issue Date: 08/15/2023

Project Manager MRL
 Drawn by CKJ
 Checked by MRL

SITE PLAN

C100

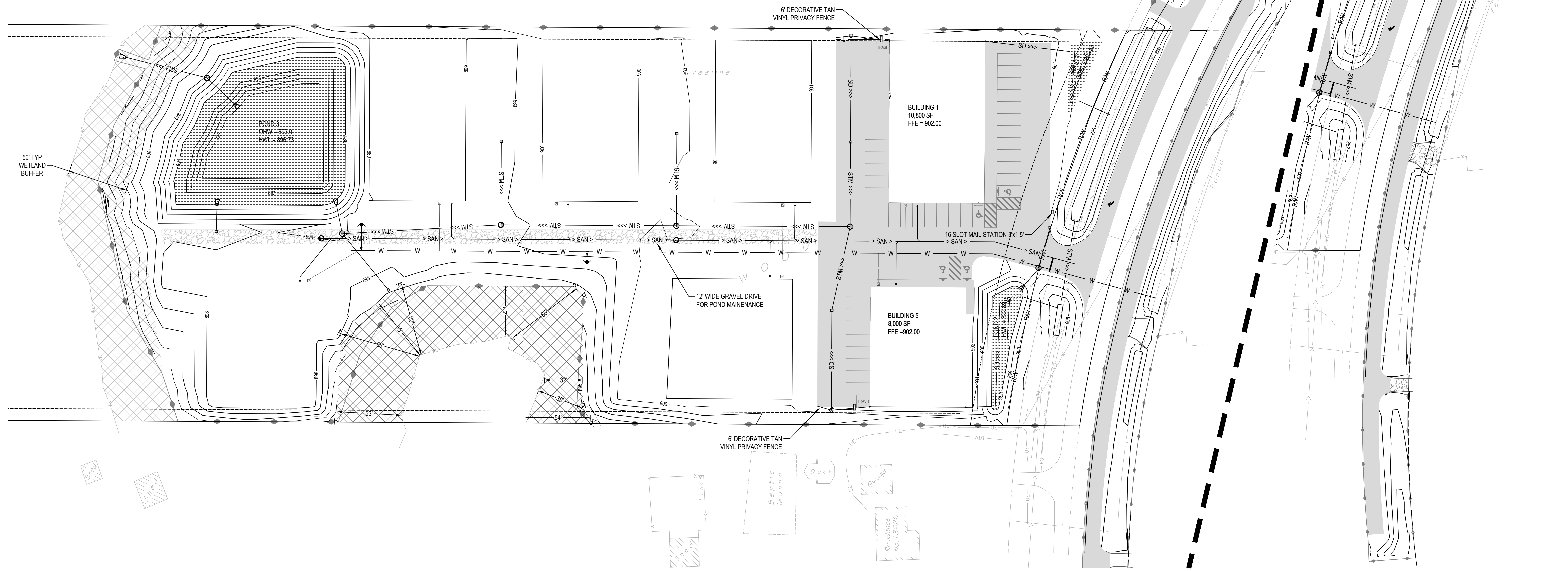
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EXISTING LEGEND	
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	PHASE LINE

- NOTES:**
- SEE SHEET SD-1 FOR SILT FENCE AND ROCK CONSTRUCTION ENTRANCE DETAIL.
 - PARKING LOT TO BE HEAVY DUTY PAVEMENT UNLESS OTHERWISE NOTED.
 - SEE ANOKA COUNTY DETAIL FOR TURNLANE TYPICAL SECTION.

ZIEGLER ADDITION



1 SITE PLAN
SCALE: 1" = 40'

2 SITE PLAN
SCALE: 1" = 40'



Know what's below.
Call before you dig.
CALL 2 BUSINESS DAYS BEFORE YOU DIG.
CAUTION: UTILITY INFORMATION IS APPROXIMATE.
VERIFY ALL UTILITIES PRIOR TO CONSTRUCTION.

Revisions:

No.	Description

LINE IS 1" ON FULL SCALE DRAWING



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Project Manager MRL
Drawn by CKJ
Checked by MRL

SITE PLAN PHASE 1

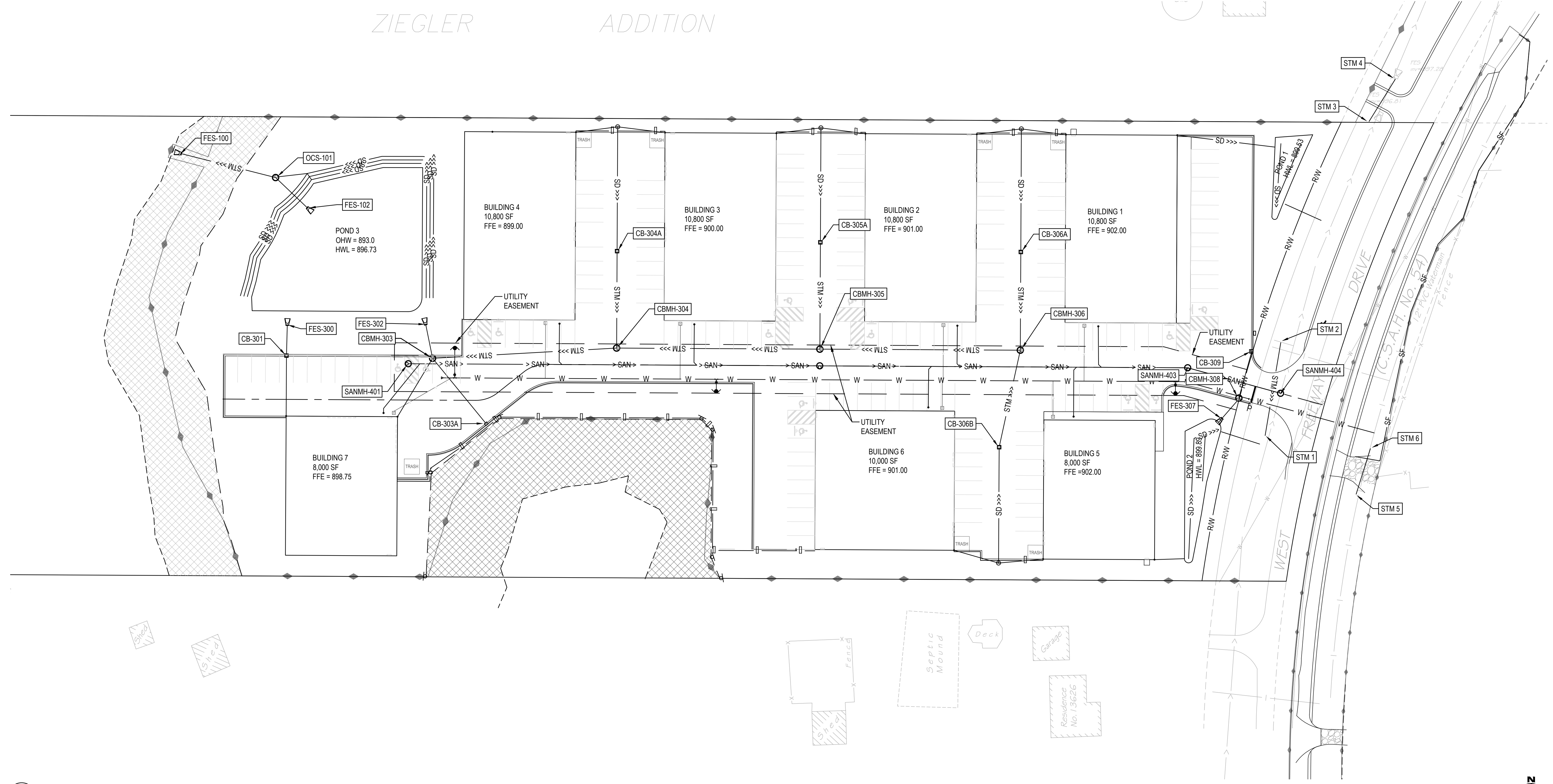
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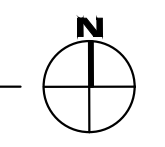
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- - -	PROPOSED WATERLINE LATERAL
- - -	CONSTRUCTION LIMITS
- - -	PHASE LINE

NOTES:
 1. COORDINATE WITH CITY PUBLIC WORKS PRIOR TO CONNECTING TO EXISTING PUBLIC UTILITIES.



1 SITE PLAN
 SCALE: 1" = 40'



PLOT DATE: 01/15/2023 8:10 AM - FILE: C:\Users\MARCUSJ\OneDrive - Windsor Engineers\OneDrive - Windsor Engineers\02_Projects\2021\21136.4 - Columbus Industrial Park Drawings\01_Working\Sheets\21136.4_C103_C03_Utility Plan.dwg

811
 Know what's below.
 Call before you dig.
 CALL 2 BUSINESS DAYS BEFORE YOU DIG.
 CAUTION: UTILITY INFORMATION IS APPROXIMATE.
 VERIFY ALL UTILITIES PRIOR TO CONSTRUCTION.

Revisions:

No.	Description

LINE IS 1" ON FULL SCALE DRAWING



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 Vancouver, WA
 Duluth + Minneapolis, MN
 www.windsorengineers.com
 Project No: 21136.4
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I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.
 DATE: 08-15-2023
 REGISTRATION NO: 52664
 SIGNED: *Marcus R. Lee*
 MARCUS R. LEE, P.E.

COLUMBUS INDUSTRIAL PARK
 WEST FREEWAY DR. NE
 COLUMBUS, MN 55038
ENGINEERING PLAN
 Issue Date: 08/15/2023

Project Manager MRL
 Drawn by CKJ
 Checked by MRL

COMPOSITE UTILITY PLAN
C103

ISSUED FOR ENGINEERING APPROVAL ONLY

PROJECT INFORMATION:

DISTURBED AREA: 5.851 ACRES
EXISTING IMPERVIOUS AREA: 0.2 ACRES
PROPOSED IMPERVIOUS AREA: 3.569 ACRES

OWNER: JON SAWYER - BROWN BEAGLE, LLC (4 HAWK LANE, NORTH OAKS, MN 55127)
PHONE NUMBER: (612) 743-3503

CONTRACTOR: _____
CONTACT: _____
PHONE NUMBER: _____
EROSION CONTROL SUPERVISOR CONTACT: _____

THE PROPOSED PROJECT INCLUDES THE DEVELOPMENT FROM A BRUSH/PRAIRIE COVERED SITE TO A LIGHT INDUSTRIAL SITE. CONSTRUCTION SHALL USE STORMWATER BEST MANAGEMENT PRACTICES. UTILITY CONSTRUCTION OF STORM SEWER, SANITARY SEWER AND WATERMAIN INTERSECTION IMPROVEMENTS, PRIVATE ROAD, PARKING LOT, AND LIGHT INDUSTRIAL BUILDINGS. THIS PROJECT IS PROJECTED TO BE COMPLETED IN PHASES. PHASE ONE WILL INVOLVE SITE GRADING, STORM BASINS, UTILITIES, TWO BUILDINGS AND PARKING LOTS ON EAST SIDE OF THE SITE. PHASE 2 WILL INVOLVE EXTENDING THE PARKING LOT AND ROAD TO SERVICE THE NEXT 3 BUILDINGS. PHASE 3 WILL FINISH THE PARKING LOT AND ROAD AND THE FINAL 2 BUILDINGS.

THE CONSTRUCTION IS EXPECTED TO START IN THE SUMMER OF 2023 AND HAVE ALL 3 PHASES COMPLETED WITHIN 2-3 YEARS.

THE CITY SHALL PROVIDE LONG-TERM MAINTENANCE OF THE STORM WATER FACILITIES FOR THIS PROJECT. THE CITY SHALL BE RESPONSIBLE FOR PREPARING AND IMPLEMENTING A PERMANENT STORMWATER TREATMENT SYSTEM(S) MAINTENANCE PLAN.

CHAIN OF COMMAND

- 1. THE CONTRACTOR WILL NEED TO IDENTIFY A MNDOT CERTIFIED EROSION CONTROL SUPERVISOR IN GOOD STANDING WHO WILL BE KNOWLEDGEABLE AND EXPERIENCE IN THE APPLICATION OF EROSION PREVENTION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES.
2. THE EROSION CONTROL SUPERVISOR WILL WORK WITH THE PROJECT ENGINEER TO OVERSEE THE IMPLEMENTATION OF THE SWPPP, AND THE INSTALLATION, INSPECTION, AND MAINTENANCE OF THE EROSION PREVENTION AND SEDIMENT CONTROL BMPS BEFORE AND DURING CONSTRUCTION.
3. THE GENERAL CONTRACTOR IS RESPONSIBLE TO COMPLY WITH PART II.B, PART II.C, AND PAR IV OF THE CONSTRUCTION SOTRMWATER PERMIT.
4. THE CONTRACTOR WILL DEVELOPE A CHAIN OF COMMAND WITH ALL OPERATORS ON THE SITE TO ENSURE THAT THE SWPPP WILL BE IMPLEMENTED AND STAY IN EFFECT UNTIL THE CONSTRUCTION PROJECT IS COMPLETE, THE ENTIRE SITE AHS UNDEGONE FINAL STABILIZATION, AND A NOTICE OF TERMINATION (NOT) HAS BEEN SUBMITTED TO THE MPCA.

CONTACT LIST

CITY PROJECT ENGINEER - KEVIN BITTNER - (612) 270-6926
CITY INSPECTOR - BEN GUTKNECHT - (651) 464-3120
CONTRACTOR - _____
MPCA CONTACT - SARAH KAMRATH - (651) 757-2855
WATERSHED DISTRICT CONTACT - ANNA GRACE - (763) 398-3071

STORMWATER POLLUTION PREVENTION PLAN NOTES:

- 1. PRIOR TO ANY CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL ACQUIRE THE NECESSARY MPCA NPDES STORM WATER PERMIT.
2. ALL EROSION AND SEDIMENT CONTROL BMP'S SHALL BE INSTALLED PRIOR TO STARTING ANY CONSTRUCTION ACTIVITIES. BMP'S SHALL BE MAINTAINED UNTIL ALL DISTURBED AREAS HAVE BEEN PERMANENTLY STABILIZED.
3. THE CONTRACTOR IS RESPONSIBLE FOR ALL EROSION PREVENTION AND SEDIMENT CONTROL MEASURES FOR THE PROJECT.
4. EROSION PREVENTION AND SEDIMENT CONTROL MEASURES SHOWN ON THE PLANS ARE THE ABSOLUTE MINIMUM REQUIREMENTS. THE CONTRACTOR SHALL IMPLEMENT ADDITION MEASURES AS NECESSARY TO PROPERLY MANAGE THE PROJECT AREA.
5. THE CONTRACTOR SHALL KEEP THE SWPPP, INCLUDING ALL AMENDMENTS AND INSPECTION AND MAINTENANCE RECORDS ON SITE DURING CONSTRUCTION.
6. THE CONTRACTOR SHALL DOCUMENT AMENDMENTS TO THE SWPPP AS A RESULT OF INSPECTION(S) WITHIN 7 DAYS.
7. THE CONTRACTOR SHALL FILE A NOTICE OF TERMINATION WITHIN THIRTY (30) DAYS OF ACHIEVING PERMANENT STABILIZATION.
8. THE CONTRACTOR SHALL SCHEDULE THEIR OPERATION TO MINIMIZE THE AMOUNT OF DISTURBED AREA AT ANY GIVEN TIME.
9. THE BIOFILTRATION AREAS SHALL BE PROTECTED AND HAVE RIGOROUS EROSION AND SEDIMENT CONTROLS IF GRADED WITHIN 3 FEET OF THE FINAL GRADES. THE CONTROLS SHALL KEEP RUNOFF COMPLETELY AWAY FROM THE BIOFILTRATION AREAS UNTIL FINAL STABILIZATION IS COMPLETE.
10. STABILIZE AREAS THAT ARE WITHIN 200 FEET OF AND DRAIN TO PUBLIC WATER WITHIN 24 HOURS DURING FISH SPAWNING TIMES.
11. WATER SHALL BE USED, IF NECESSARY, FOR DUST CONTROL.
12. ALL EROSION CONTROL SHALL CONFORM TO THE MNDOT EROSION CONTROL HANDBOOK.
13. INLET PROTECTION SHALL BE INSTALLED AT ANY INLET THAT MAY RECEIVE RUNOFF FROM THE DISTURBED AREAS OF THE PROJECT. IF A SPECIFIC SAFETY CONCERN HAS BEEN IDENTIFIED, WRITTEN AUTHORIZATION MUST BE RECEIVED BY THE CITY ENGINEER IN ORDER TO REMOVE THAT PARTICULAR INLET CONTROL.
14. ALL EXPOSED SOILS, INCLUDING STOCKPILES, SHALL BE TEMPORARILY STABILIZED PER MNDOT SPECIFICATION 2575 WITHIN 7 DAYS AFTER CONSTRUCTION ACTIVITY HAS TEMPORARILY CEASED. STABILIZATION OF ALL EXPOSED AREAS MUST BE INITIATED IMMEDIATELY.
15. STOCKPILES SHALL NOT BE PLACED ON ROADS, DRIVEWAYS, SURFACE WATERS OR SWALES. EFFECTIVE SEDIMENT CONTROL SHALL BE INSTALLED IMMEDIATELY AROUND ALL SOIL STOCKPILES.
16. REMOVE ALL SOILS AND SEDIMENT TRACKED OR OTHERWISE DEPOSITED ONTO PUBLIC ROADS OR PRIVATE DRIVEWAYS ON A DAILY BASIS OR AS NEEDED.
17. THE NORMAL WETTED PERIMETER WITHIN 200 LINEAL FEET OF ANY PROJECT DISCHARGE LOCATION SHALL BE STABILIZED WITHIN 24 HOURS OF CONNECTING TO THE DISCHARGE LOCATION.
18. IF DEWATERING IS NECESSARY, THE CONTRACTOR IS RESPONSIBLE FOR ADHERING TO ALL DEWATERING AND SURFACE DRAINAGE REGULATIONS. THE APPROPRIATE PERMITS SHALL BE ACQUIRED PRIOR TO COMMENCING DEWATERING ACTIVITIES.
19. TURBID AND SEDIMENT-LADEN WATERS SHALL BE DIRECTED TO A TEMPORARY SEDIMENT POND PRIOR TO DISCHARGING. A VISUAL CHECK SHALL BE CONDUCTED PRIOR TO DISCHARGING TREATED WATER FROM THE SEDIMENT POND TO ENSURE NUISANCE CONDITIONS WILL NOT RESULT FROM THE DISCHARGE.
20. THE CORRECTIVE ACTION MUST BE COMPLETED BY THE NEXT BUSINESS DAY AFTER DISCOVERY WHEN PERIMETER CONTROL DEVICES BECOME NONFUNCTIONAL OR THE SEDIMENT REACHES ONE-HALF (1/2) THE HEIGHT OF THE DEVICE.
21. ALL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE REMOVED FROM THE SITE WITHIN THIRTY (30) DAYS AFTER PERMANENT STABILIZATION HAS BEEN ACHIEVED

TRAINING DOCUMENTATION:

SWPPP DESIGNER: GREGORY HALLING - "DESIGN OF CONSTRUCTION SWPPP" TRAINING EXPIRES APRIL 19, 2023.

THE CONTRACTOR (OPERATOR) SHALL ADD TO THE SWPPP TRAINING RECORDS FOR THE FOLLOWING PERSONNEL:

- INDIVIDUALS OVERSEEING THE IMPLEMENTATION OF, REVISING, AND AMENDING THE SWPPP
• INDIVIDUALS PERFORMING INSPECTIONS
• INDIVIDUALS PERFORMING OR SUPERVISING THE INSTALLATION, MAINTENANCE AND REPAIR OF BMPS

EXPECTED SEQUENCE OF CONSTRUCTION

- 1. INSTALL ROCK STABILIZING EXIT(S), PERIMETER CONTROL, INLET CONTROL AND STABILIZE DOWN GRADIENT BOUNDARIES.
2. COMPLETE SITE GRADING.
3. INSTALL UTILITIES, STORM SEWER,
4. APPLY EARLY APPLICATION OF BASE COURSE ON STREET SECTION
5. INSTALL CURB AND GUTTER, AND PAVING.
6. COMPLETE FINAL GRADING, INCLUDING BIOFILTRATION BASINS, AND PERMANENT STABILIZATION.
7. REMOVE EROSION AND SEDIMENT CONTROL BMPs AFTER PERMANENT STABILIZATION IS ACHIEVED.
8. REMOVE BIOFILTRATION BASINS.

TEMPORARY SEDIMENT BASINS

- 1. THE CONTRACTOR SHALL INSTALL SEDIMENT BASIN(S) REQUIRED BY THE NPDES CONSTRUCTION PERMIT IF TEN (10) OR MORE ACRES DISCHARGE TO A COMMON LOCATION.
2. TEMPORARY SEDIMENT BASIN OUTLETS SHALL BE CONSTRUCTED TO PREVENT SHORT-CIRCUITING AND PREVENT THE DISCHARGE OF FLOATING DEBRIS.
3. BASINS MUST HAVE THE ABILITY TO ALLOW COMPLETE DRAWDOWN, INCLUDE A STABILIZED EMERGENCY OVERFLOW, WITHDRAW WATER FROM THE SURFACE, AND PROVIDE ENERGY DISSIPATION AT THE OUTLET.
4. TEMPORARY SEDIMENT BASINS SHALL BE PROVIDED WITH ENERGY DISSIPATION AT ANY BASIN OUTLET TO PREVENT SOIL EROSION.
5. SEDIMENT BASINS MUST BE SITUATED OUTSIDE OF SURFACE WATERS AND ANY BUFFER ZONES, AND MUST BE DESIGNED TO AVOID THE DRAINING WATER FROM WETLANDS.
6. BASINS SHALL BE SIZED ACCORDING TO THE CONSTRUCTION STORMWATER GENERAL PERMIT REQUIREMENTS. CALCULATIONS SHALL BE ADDED TO THE SWPPP.
7. SEDIMENT BASINS SHALL NOT BE PLACED IN FUTURE BIOFILTRATION AREAS.
8. SEDIMENT BASINS SHALL BE DRAINED AND SEDIMENT REMOVED WHEN IT REACHES 3/4 THE STORAGE VOLUME WITHIN 72 HOURS.

INSPECTIONS AND MAINTENANCE

- 1. ALL INSPECTIONS, MAINTENANCE, REPAIRS, AREPLACEMENTS AND REMOVAL OF BMPS SHALL BECONSIDERED INCIDENTAL TO THE BMP BID ITEMS.
2. THE CONTRACTOR SHALL COMPLETE SITE INSPECTIONS, AND BMP MAINTENANCE TO ENSURE COMPLIANCE WITH THE PERMIT REQUIREMENTS.
3. THE CONTRACTOR SHALL PROVIDE A TRAINED PERSON TO INSPECT THE ENTIRE CONSTRUCTION SITE AT LEAST ONCE EVERY SEVEN (7) DAYS DURING ACTIVE CONSTRUCTION AND WITHIN 24 HOURS AFTER A RAINFALL EVENT GREATER THAN 0.5 INCHES IN 24 HOURS. ALL INSPECTIONS MUST BE RECORDED IN WRITING WITHIN 24 HOURS OF CONDUCTING THE INSPECTIONS AND THE RECORDS MUST BE RETAINED WITH THE SWPPP. IF ANY DISCHARGE FROM THE SITE IS OBSERVED THE DISCHARGE MUST BE DESCRIBED AND PHOTOGRAPHED.
4. IF SEDIMENT ESCAPES THE CONSTRUCTION SITE, OFF-SITE ACCUMULATIONS OF SEDIMENT MUST BE REMOVED IN A MANOR AND AT A FREQUENCY SUFFICIENT TO MINIMIZE OFF-SITE IMPACTS.
5. ALL SILT FENCE OR OTHER SEDIMENT CONTROL PRACTICES MUST BE REPAIRED, REPLACED, OR SUPPLEMENTED WHEN THEY BECOME NONFUNCTIONAL OR THE SEDIMENT REACHES 1/3 OF THE HEIGHT OF THE FENCE. THESE REPAIRS MUST BE MADE WITHIN 24HOURS OF DISCOVERY, OR AS SOON AS FIELD CONDITIONS ALLOW ACCESS.
6. CONSTRUCTION SITE VEHICLES EXIT LOCATIONS MUST BE INSPECTED FOR EVIDENCE OF OFF-SITE SEDIMENT TRACKING ONTO PAVED SURFACES. TRACKED SEDIMENT MUST BE REMOVED FROM ALL OFF-SITE PAVED SURFACES, WITHIN 24 HOURS OF DISCOVERY.

POLLUTION PREVENTION MANAGEMENT MEASURES

- 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL POLLUTION PREVENTION MANAGEMENT MEASURES.
2. ALL POLLUTION PREVENTION MEASURES ARE CONSIDERED INCIDENTAL TO THE MOBILIZATION BID ITEM, UNLESS OTHERWISE NOTES.
3. THE CONTRACTOR IS RESPONSIBLE FOR INFORMING ALL VISITORS AND/OR PERSONNEL ON-SITE OF THE POLLUTION PREVENTION MANAGEMENT MEASURES. POLLUTION PREVENTION MANAGEMENT MEASURES INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING:
A. SOLID WASTE SUCH AS COLLECTED SEDIMENT, ASPHALT AND CONCRETE MILLINGS, CEMENT PRODUCT WASTE, FLOATING DEBRIS, PAPER, PLASTIC, CONSTRUCTION DEBRIS AND OTHER WASTES MUST BE DISPOSED OF PROPERLY OFF SITE.
B. HAZARDOUS WASTES SUCH AS OILS, GASOLINE, PAINT, CEMENT BASED PRODUCTS, ETC. SHALL BE PROPERLY STORED WITH SECONDARY CONTAINMENT TO PREVENT SPILLS, LEAKS OR OTHER DISCHARGES. IF STORED ON THE PROJECT SITE, THEY SHALL BE STORED IN RESTRICTED ACCESS AREAS TO PROTECT AGAINST VANDALISM. STORAGE AND DISPOSAL SHALL BE IN COMPLIANCE WITH THE MPCA.
C. CEMENT BASED PRODUCT WASHOUTS ARE NOT PERMITTED ON SITE.
D. THE CONTRACTOR SHALL INCLUDE SPILL KITS WITH ALL FUELING SOURCES AND MAINTENANCE ACTIVITIES. SECONDARY CONTAINMENT MEASURES SHALL BE INSTALLED AND MAINTAINED BY THE CONTRACTOR.
E. THE CONTRACTOR SHALL ENSURE SPILLS ARE CONTAINED AND CLEANED UP IMMEDIATELY UPON DISCOVERY. SPILLS LARGE ENOUGH TO REACH THE STORMWATER CONVEYANCE SYSTEM SHALL BE REPORTED TO THE MINNESOTA DUTY OFFICER AT 1.800.422.0798.
F. EXTERNAL WASHING OF TRUCKS AND OTHER CONSTRUCTION VEHICLES MUST BE LIMITED TO A DEFINED AREA OF THE SITE. RUNOFF MUST BE CONTAINED AND WASTE PROPERLY DISPOSED OF. REFER TO PLANS AND CORRESPONDING LEGEND FOR APPROVED WASHOUT LOCATIONS. NO ENGINE DEGREASING IS ALLOWED ON SITE.
G. ALL LIQUID AND SOLID WASTES GENERATED BY CONCRETE WASHOUT OPERATIONS WILL BE CONTAINED IN A LEAK-PROOF CONTAINMENT FACILITY OR IMPERMEABLE LINER. A COMPACTED CLAY LINER THAT DOES NOT ALLOW WASHOUT LIQUIDS TO ENTER GROUND WATER IS CONSIDERED AN IMPERMEABLE LINER. THE LIQUID AND SOLID WASTES WILL NOT CONTACT THE GROUND, AND THERE WILL NOT BE RUNOFF FROM THE CONCRETE WASHOUT OPERATIONS OR AREAS. LIQUID AND SOLID WASTES WILL BE DISPOSED OF PROPERLY AND IN COMPLIANCE WITH MPCA REGULATIONS. A SIGN MUST BE INSTALLED ADJACENT TO EACH WASHOUT FACILITY TO INFORM CONCRETE EQUIPMENT OPERATORS TO UTILIZE THE PROPER FACILITIES.
H. SEED MIX SHALL BE MNDOT 35-131 UNLESS NOTED OTHERWISE.

FINAL STABILIZATION

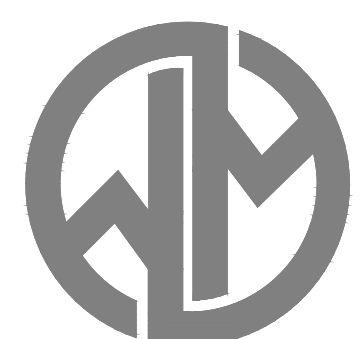
- 1. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING FINAL STABILIZATION OF THE ENTIRE SITE. FINAL STABILIZATION INCLUDES BUT IS NOT LIMITED TO THE FOLLOWING:
A. ALL SOIL DISTURBING ACTIVITIES HAVE BEEN COMPLETED.
B. EXPOSED SOILS SHALL BE PERMANENTLY STABILIZED WITHIN 72 HOURS. PERMANENT STABILIZATION SHALL CONSIST OF 4 INCHES TOPSOIL, MNDOT SEED MIX 35-131, UNLESS OTHERWISE SPECIFIED, AND MULCH. THE MULCH SHALL BE DISK ANCHORED AND COMMERCIAL GRADE 10-10-10 FERTILIZER SHALL BE USED. METHODS AND RATES SHALL BE IN ACCORDANCE WITH MNDOT SPECIFICATION 2575 AND THE MNDOT SEEDING MANUAL.
C. ALL EXPOSED SOILS HAVE BEEN UNIFORMLY STABILIZED WITH AT LEAST 70% VEGETATION COVERAGE.
D. PERMANENT STORMWATER MANAGEMENT SYSTEM(S) ARE CONSTRUCTED AND ARE OPERATING AS DESIGNED.
E. ALL DRAINAGE DITCHES, PONDS, AND ALL STORM WATER CONVEYANCE SYSTEMS HAVE BEEN CLEARED OF SEDIMENT AND STABILIZED WITH PERMANENT COVER TO PRECLUDE EROSION.
F. ALL TEMPORARY BMPS HAVE BEEN REMOVED AND PROPERLY DISPOSED OF.
G. FINAL STABILIZATION SHALL BE PREFORMED IN ACCORDANCE WITH MNDOT 2020 SPECIFICATION 2575.

Table with 5 columns: WATERBODY, TYPE, SPECIAL, IMPARED, IMPARMENT(S). Rows include ANOKA COUNTY DITCH 4, RICE CREEK, RICE CREEK MARSH, and UNNAMED WATERBODY.



Revisions table with 3 columns and 3 rows.

LINE IS 1" ON FULL SCALE DRAWING



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Project No: 21136.4

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.
DATE: 08-15-2023
REGISTRATION NO: 52664
SIGNED: [Signature]
MARCUS R. LEE, P.E.

COLUMBUS INDUSTRIAL PARK
WEST FREEWAY DR. NE
COLUMBUS, MN 55038

ENGINEERING PLAN
Issue Date: 08/15/2023

Project Manager MRL
Drawn by CKJ
Checked by MRL

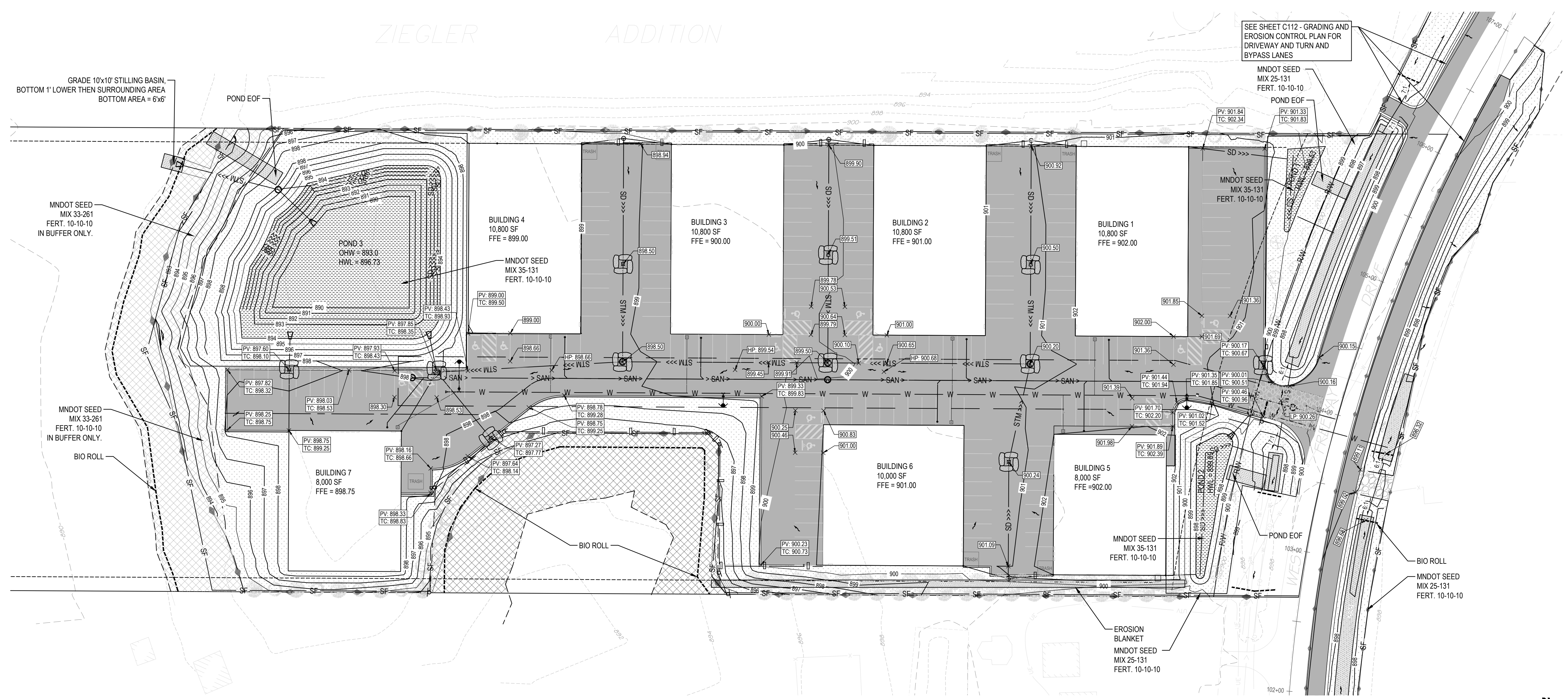
STORMWATER POLLUTION PREVENTION PLAN
C110
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SITE PLAN LEGEND	
	EXISTING BOUNDARY LINE
	EXISTING CONTOUR - MINOR
	EXISTING CONTOUR - MAJOR
	PROPOSED CONTOUR - MINOR
	PROPOSED CONTOUR - MAJOR
	PROPOSED PROPERTY LINE
	PROPOSED RIGHT OF WAY
	PROPOSED EASEMENT LINE
	PROPOSED CURB AND GUTTER
	PROPOSED SANITARY SEWER
	SANITARY SEWER LATERAL
	PROPOSED STORM WATER
	PROPOSED SUB DRAIN
	PROPOSED WATER MAIN
	PROPOSED WATERLINE LATERAL
	CONSTRUCTION LIMITS
	PHASE LINE

EROSION CONTROL LEGEND	
	PROPOSED SILT FENCE
	INLET PROTECTION
	ROCK CONSTRUCTION ENTRANCE
	BIO ROLL
	CONCRETE WASH OUT STATION
	CONSTRUCTION LIMITS
	PROPOSED SILT FENCE (HEAVY DUTY)
	FLOW ARROW
	BLANKET
	SEEDING

- NOTES:**
- SEE SHEET SD-1 FOR SILT FENCE AND ROCK CONSTRUCTION ENTRANCE DETAIL.
 - ALL VEGETATED AREA SHALL BE SEEDED WITH MNDOT MIX 25-131 FERTILIZER 10-10-10 UNLESS NOTED ON THE PLAN.
 - EROSION CONTROL OVER SEEDED AREA SHALL BE MNDOT CATEGORY 10 UNLESS NOTED ON THE PLAN.
 - ALL WETLAND BUFFER SEEDING SHALL BE 33-261.
 - PARKING LOT TO BE HEAVY DUTY PAVEMENT UNLESS OTHERWISE NOTED.
 - SEE ANOKA COUNTY DETAIL FOR TURNLANE TYPICAL SECTION.



1 GRADING & EROSION CONTROL PLAN
SCALE: 1" = 40'

Revisions:

No.	Description

LINE IS 1" ON FULL SCALE DRAWING



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COLUMBUS INDUSTRIAL PARK
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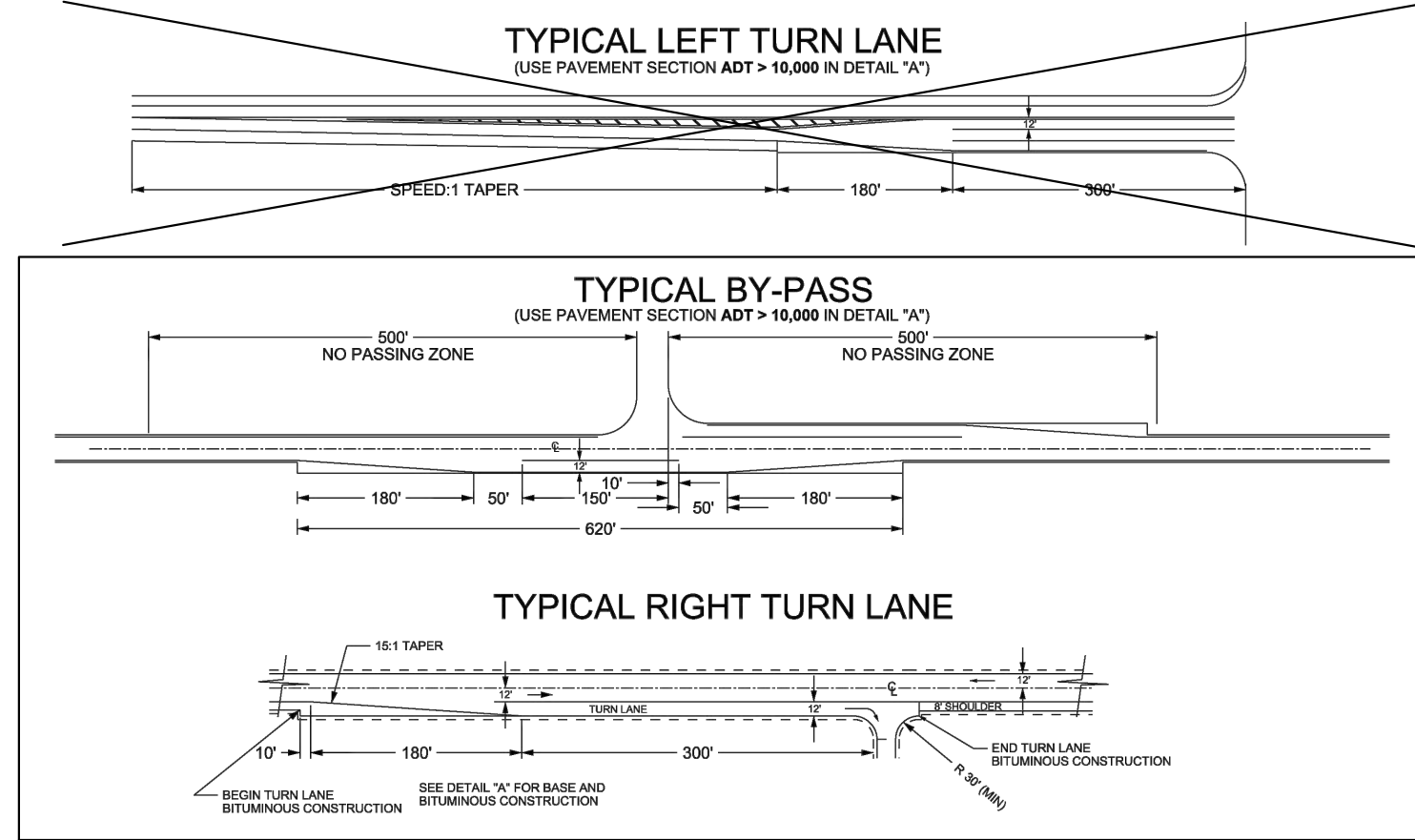
ENGINEERING PLAN
Issue Date: 08/15/2023

Project Manager MRL
Drawn by CKJ
Checked by MRL

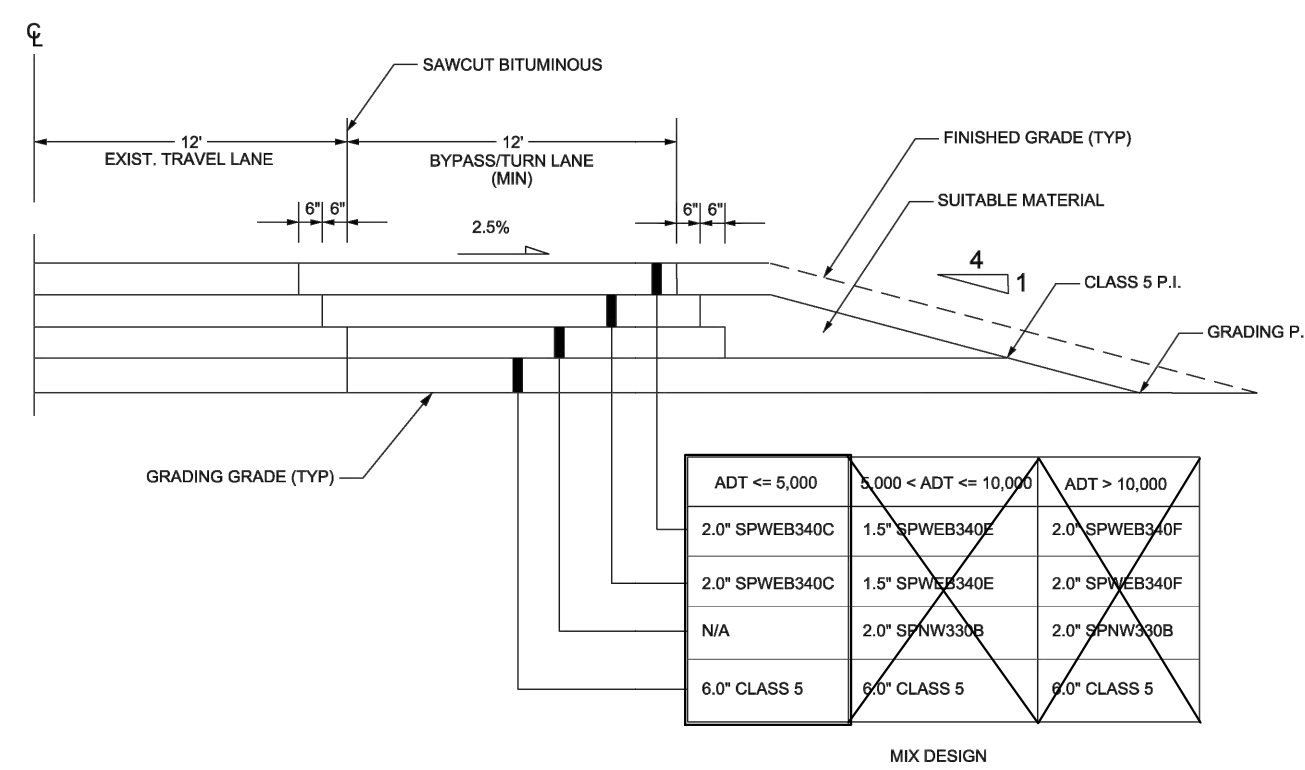
GRADING AND EROSION CONTROL PLAN
C111

ISSUED FOR ENGINEERING APPROVAL ONLY

ANOKA COUNTY HIGHWAY DEPARTMENT



ANOKA COUNTY HIGHWAY DEPARTMENT



SITE PLAN LEGEND

- EXISTING BOUNDARY LINE
- EXISTING CONTOUR- MINOR
- EXISTING CONTOUR- MAJOR
- PROPOSED CONTOUR- MINOR
- PROPOSED CONTOUR- MAJOR
- PROPOSED PROPERTY LINE
- PROPOSED RIGHT OF WAY
- R/W
- PROPOSED EASEMENT LINE
- PROPOSED CURB AND GUTTER
- > SAN >
- > SAN >
- STM >>>
- SD >>>
- W
- W
- CONSTRUCTION LIMITS
- PHASE LINE

EROSION CONTROL LEGEND

- SF
- PROPOSED SILT FENCE
- INLET PROTECTION
- ROCK CONSTRUCTION ENTRANCE
- BIO ROLL
- CONCRETE WASH OUT STATION
- CONSTRUCTION LIMITS
- SSF
- PROPOSED SILT FENCE (HEAVY DUTY)
- FLOW ARROW
- BLANKET
- SEEDING

NOTES:

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

NOT TO SCALE

Turn/Bypass Lane Addition On Existing Highway

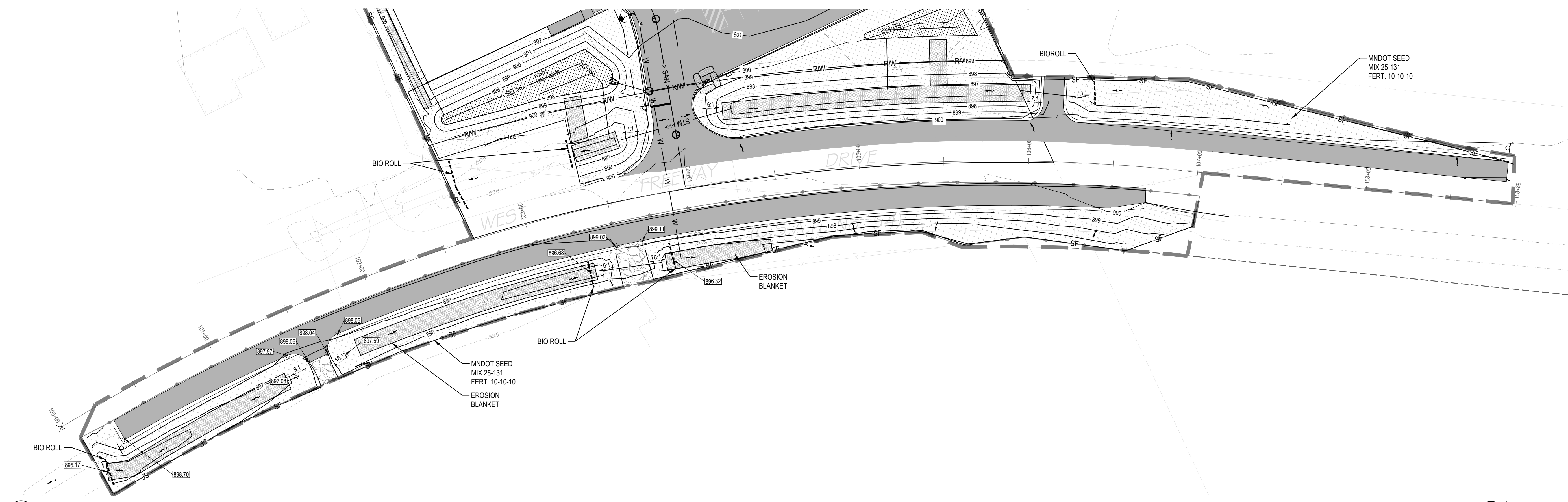
EXHIBIT 1
January 2020

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

NOT TO SCALE

Base and Bituminous Construction Detail

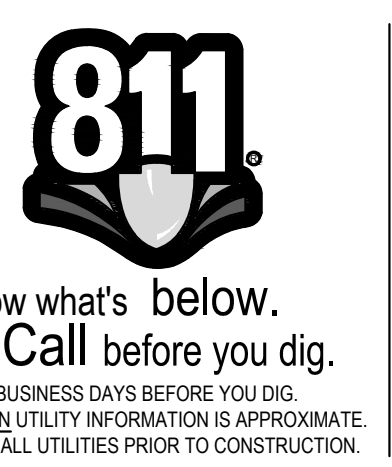
DETAIL A
September 2019



1 GRADING & EROSION CONTROL PLAN
SCALE: 1" = 20'

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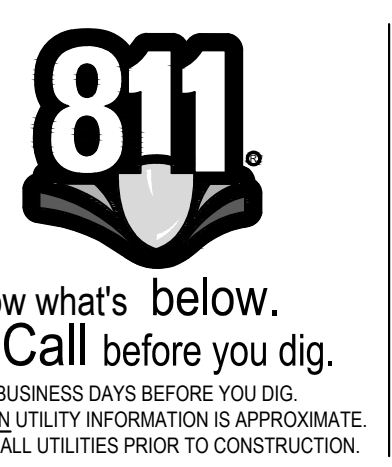
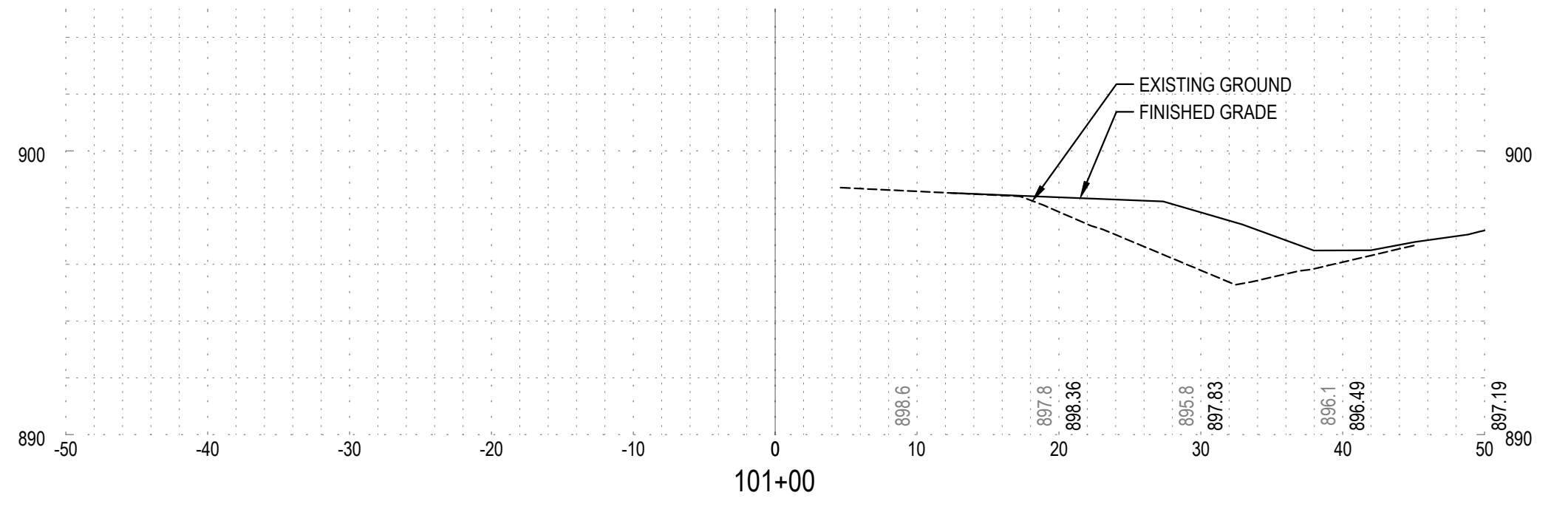
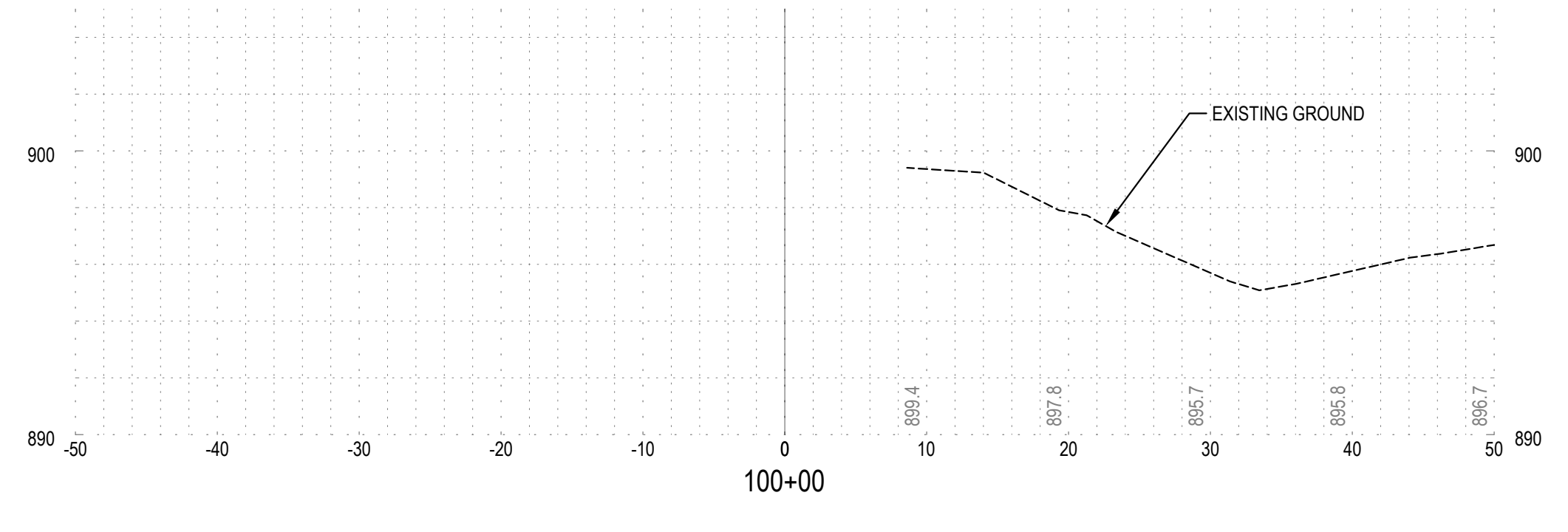
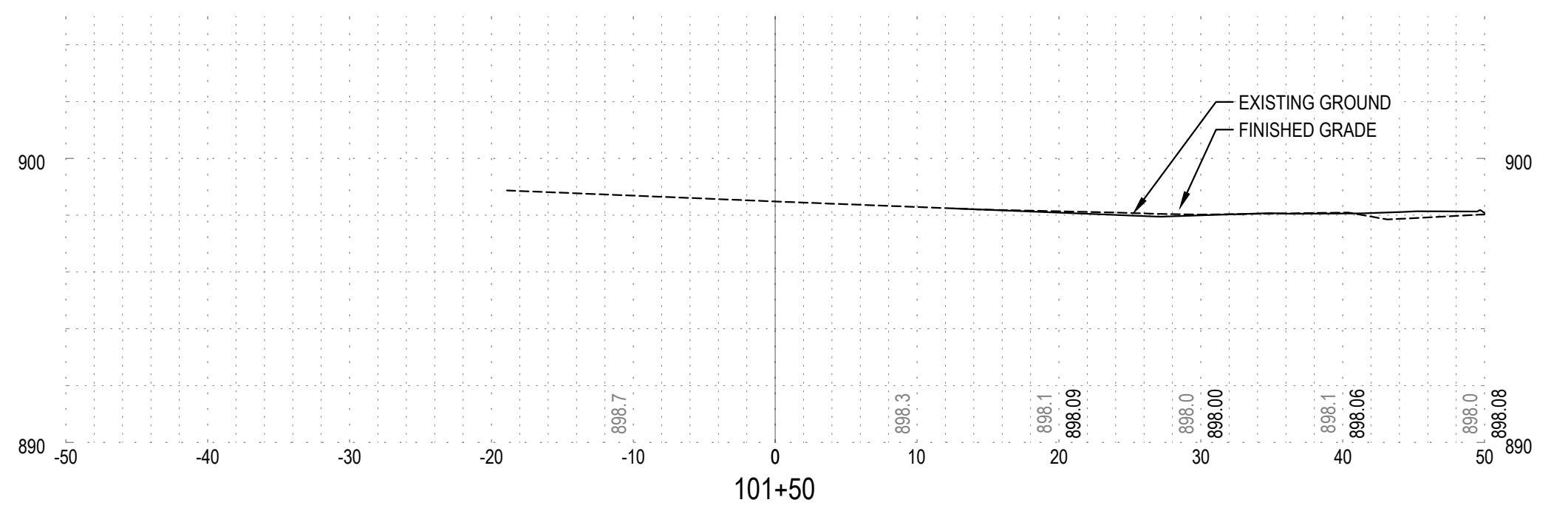
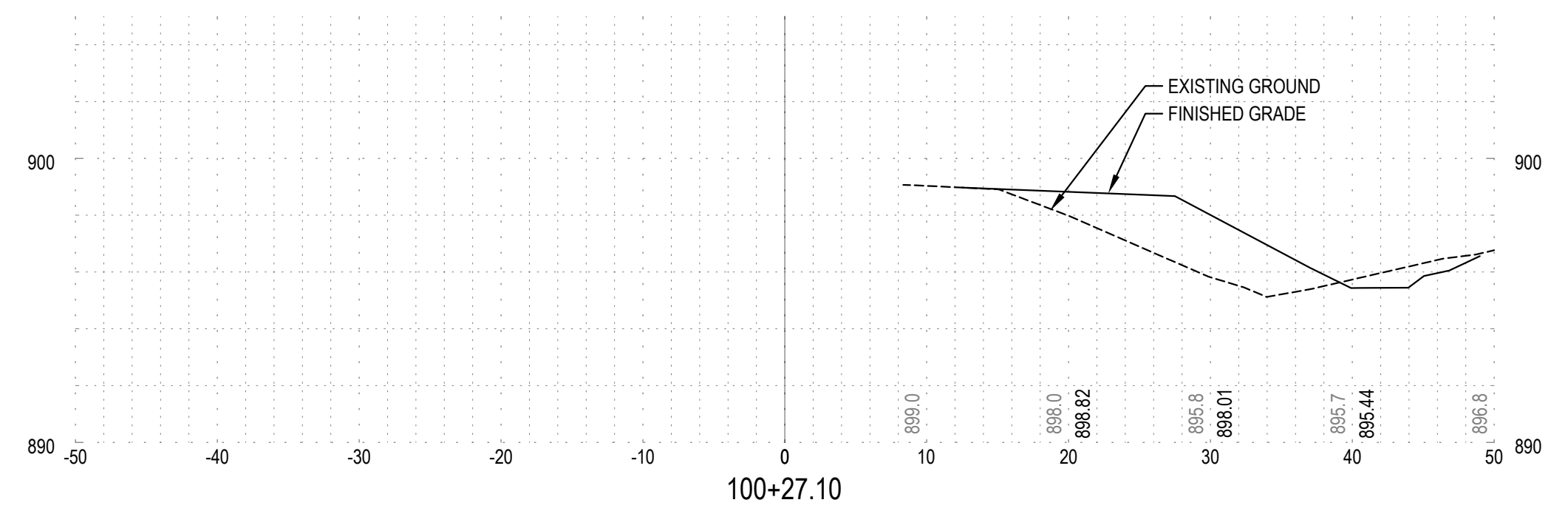
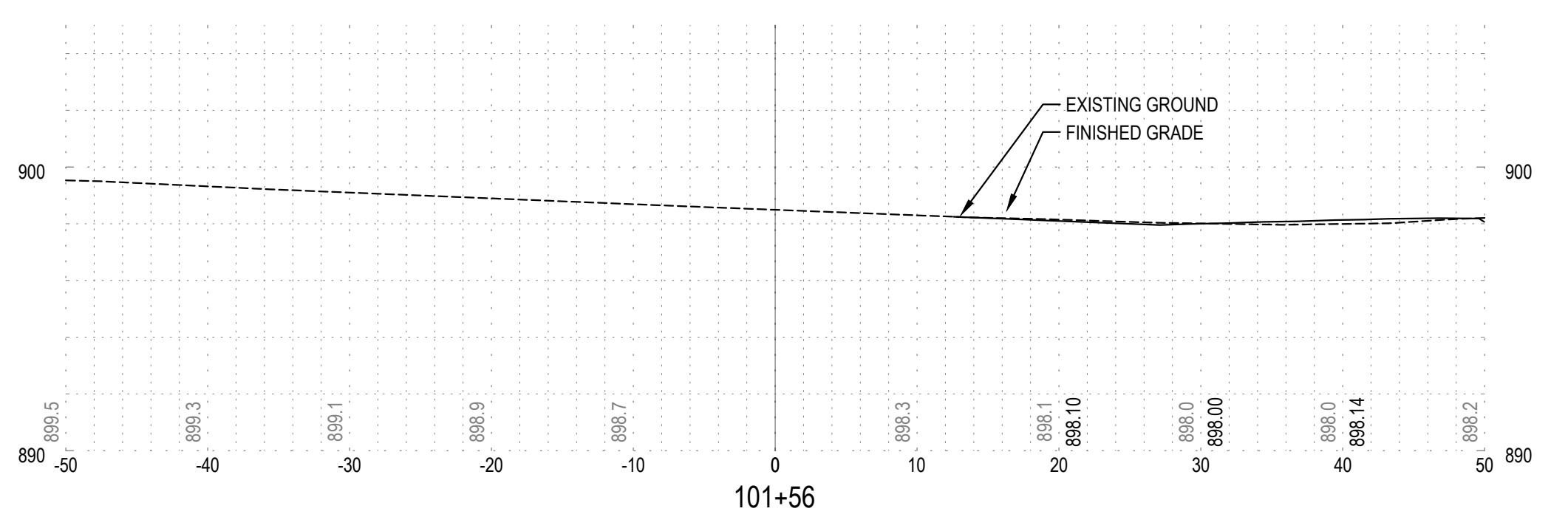
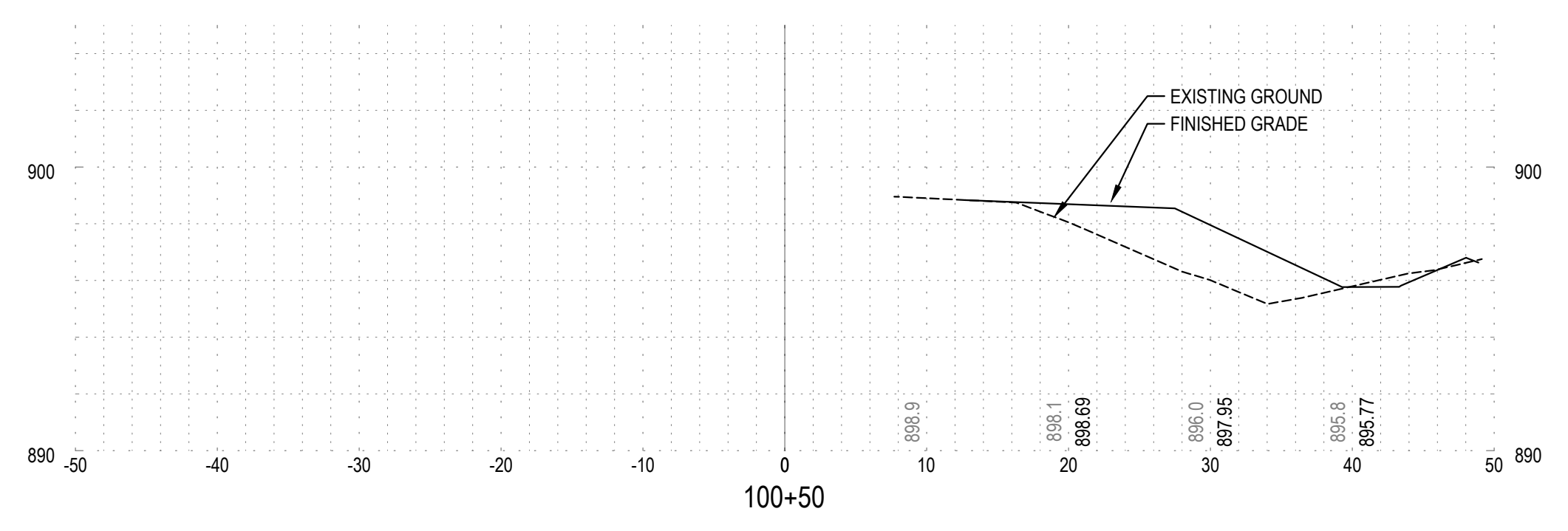
ENGINEERING PLAN
Issue Date: 08/15/2023

Project Manager MRL
Drawn by CKJ
Checked by MRL

GRADING AND EROSION CONTROL PLAN

C112

PLOT DATE: 01/15/2023 8:10 AM - FILE: C:\Users\MARCUSR\OneDrive - Windsor Engineers\05_Projects\2021\21136 - Columbus Industrial\02_Drawings\01_Working\Sheets\21136.4_C113_SECTIONS.dwg



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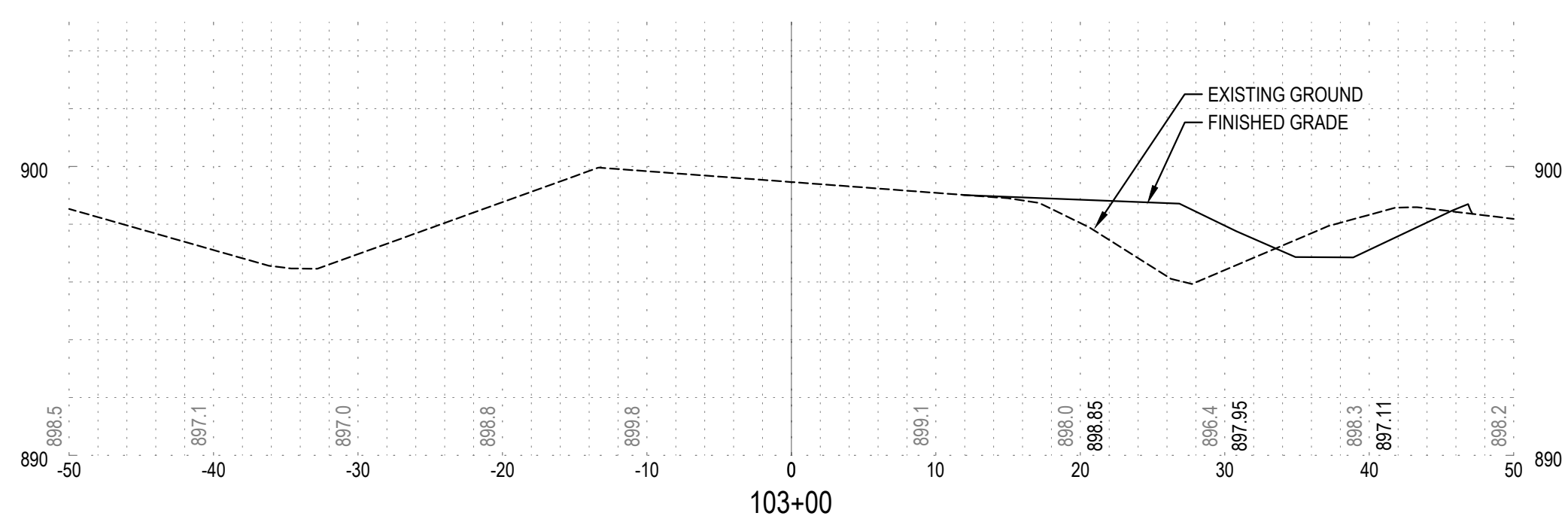
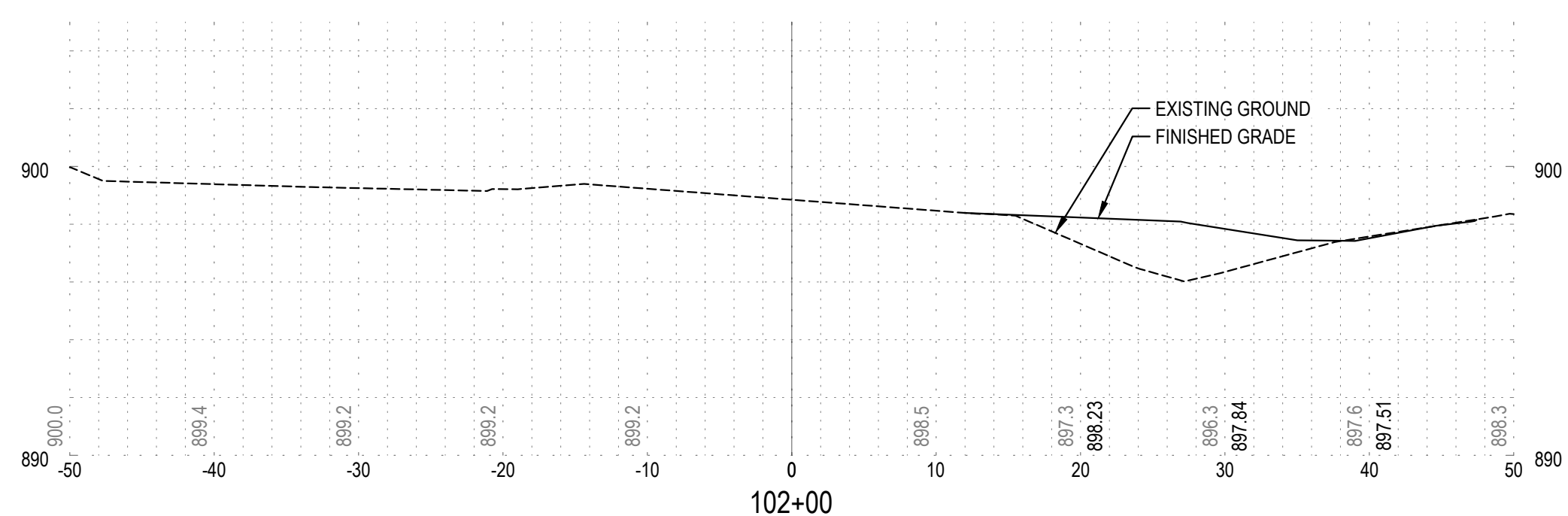
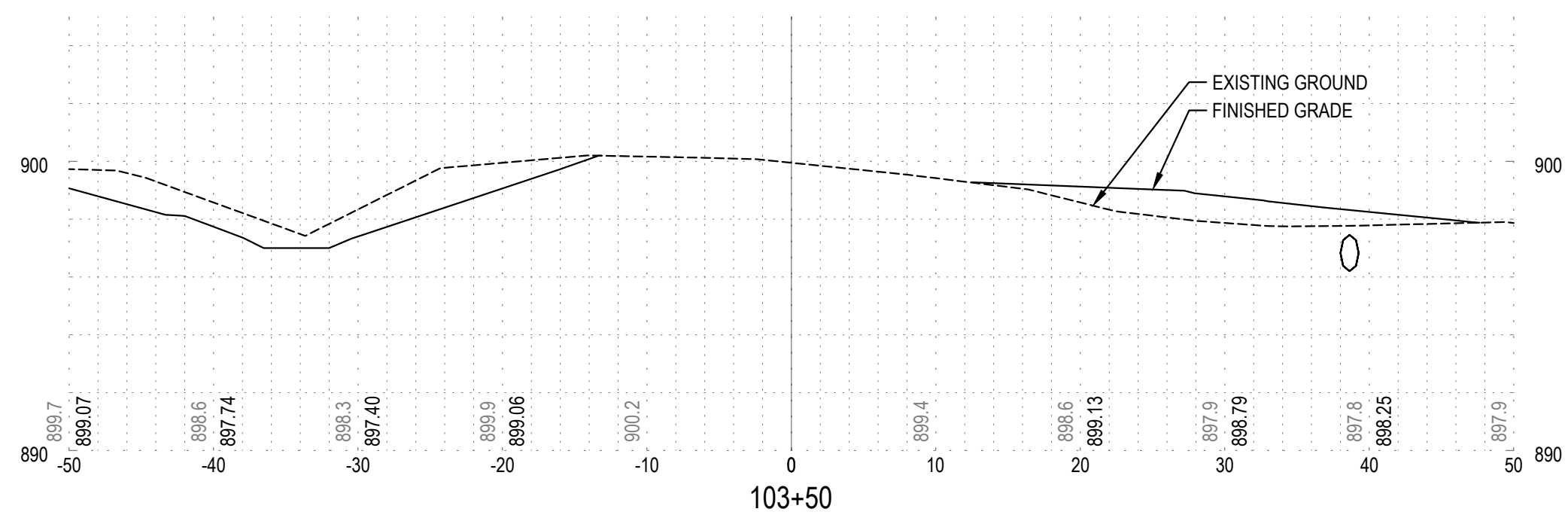
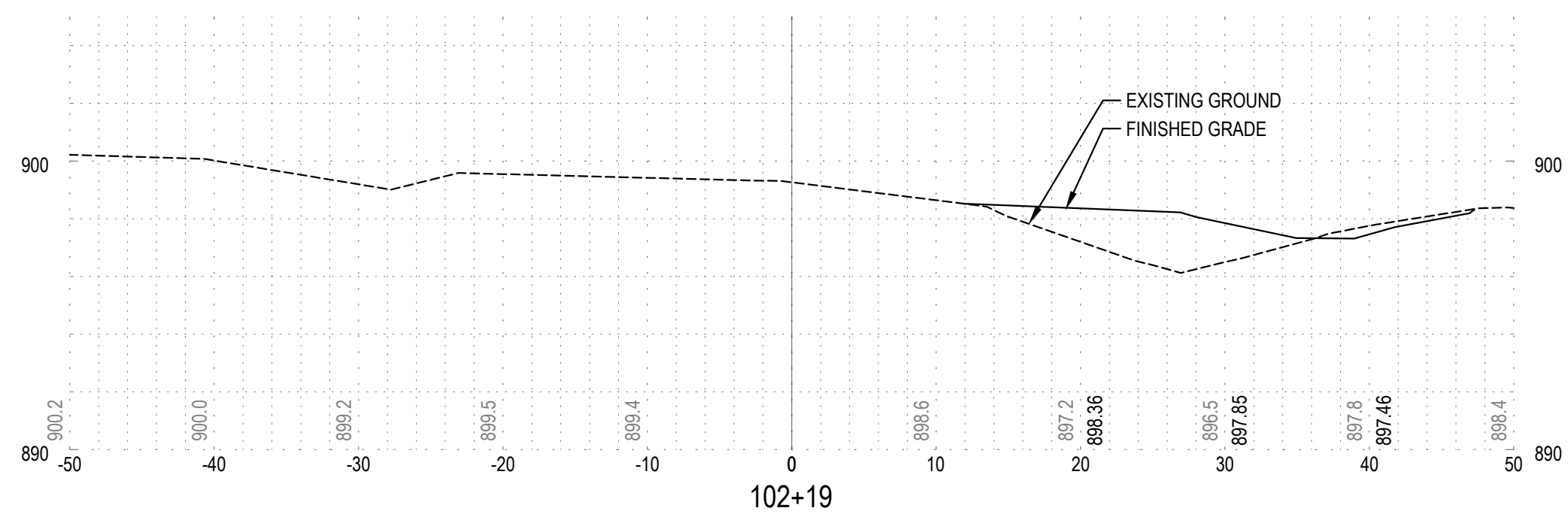
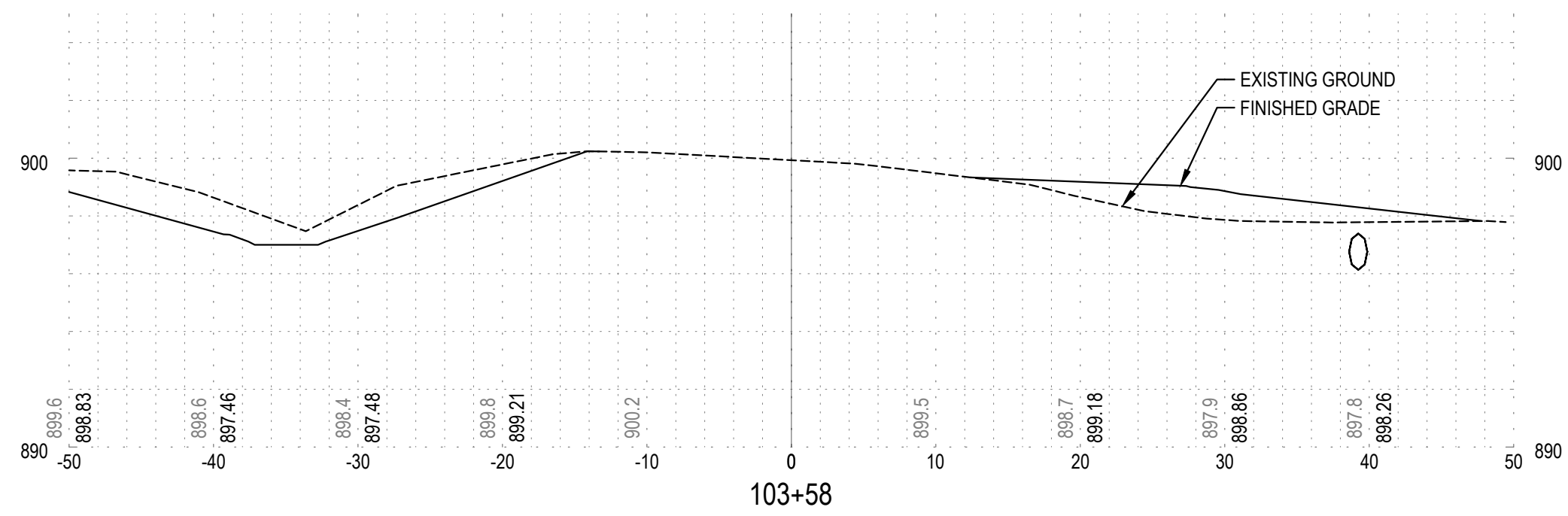
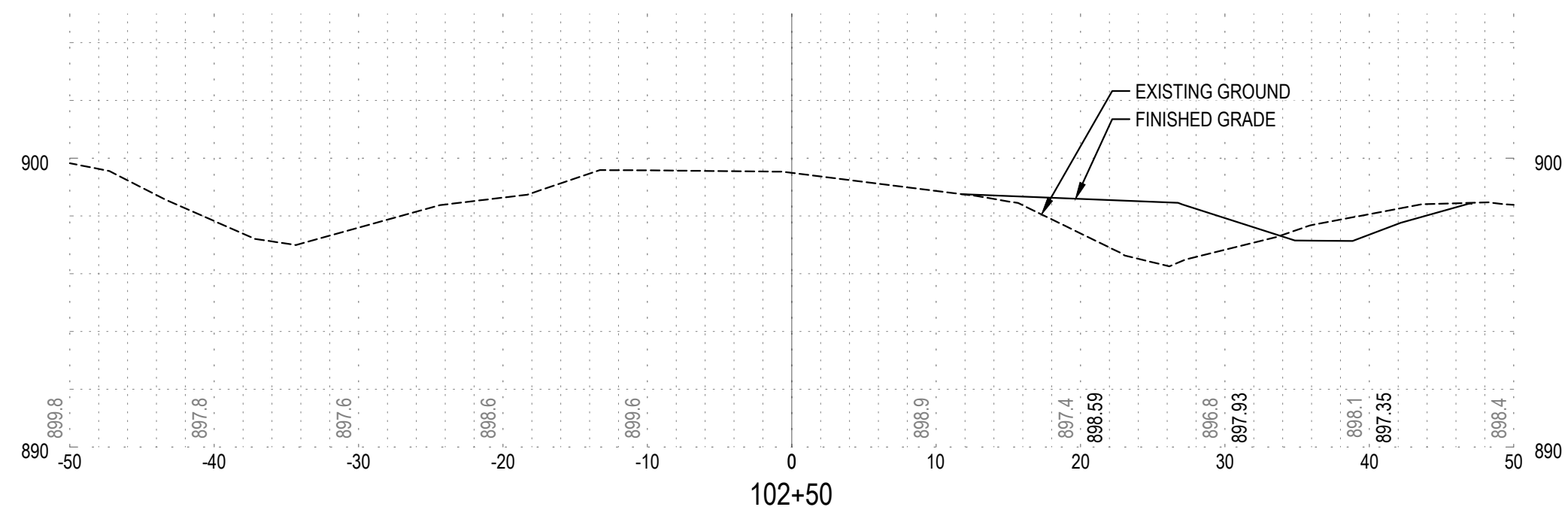
I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.
 DATE: 08-15-2023
 REGISTRATION NO: 52664
 SIGNED:
 MARCUS R. LEE, P.E.

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 WEST FREEWAY DR. NE
 COLUMBUS, MN 55038
ENGINEERING PLAN
 Issue Date: 08/15/2023

Project Manager MRL
 Drawn by CKJ
 Checked by MRL

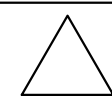
CROSS SECTIONS
C113

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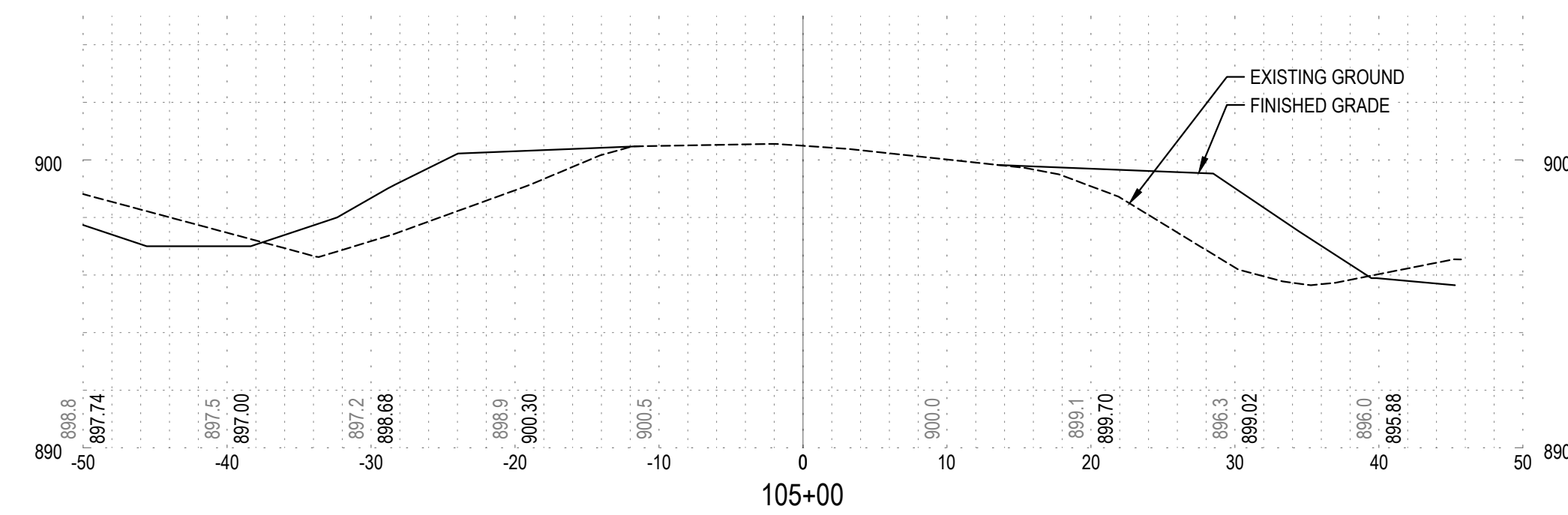
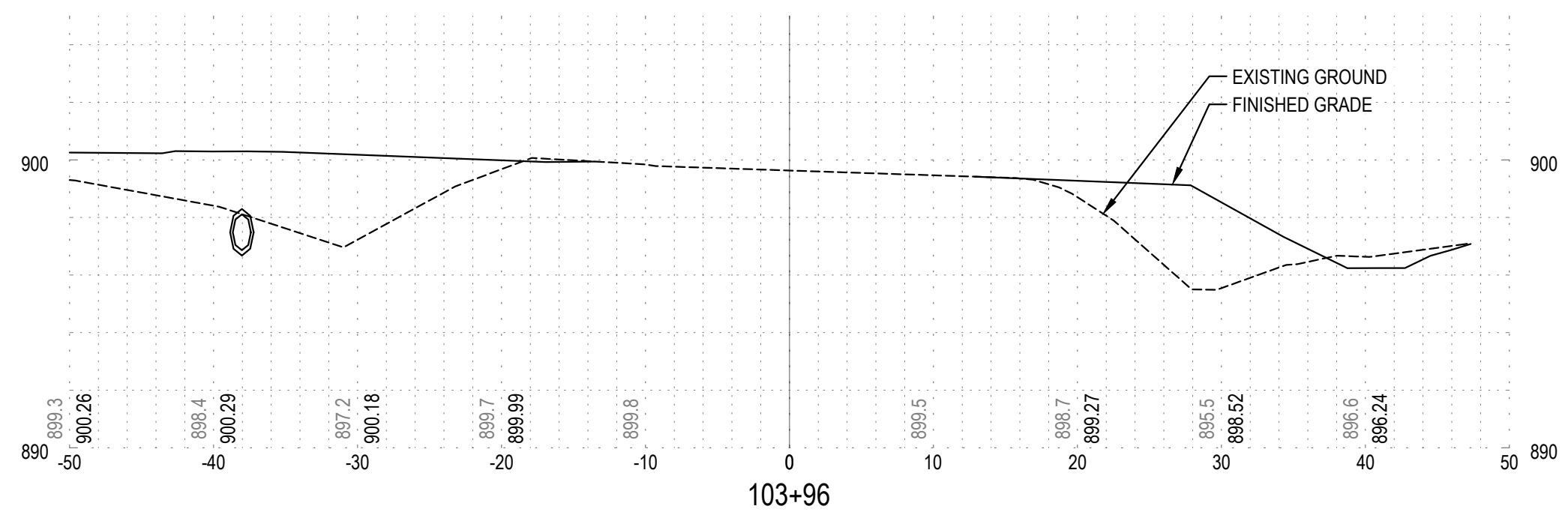
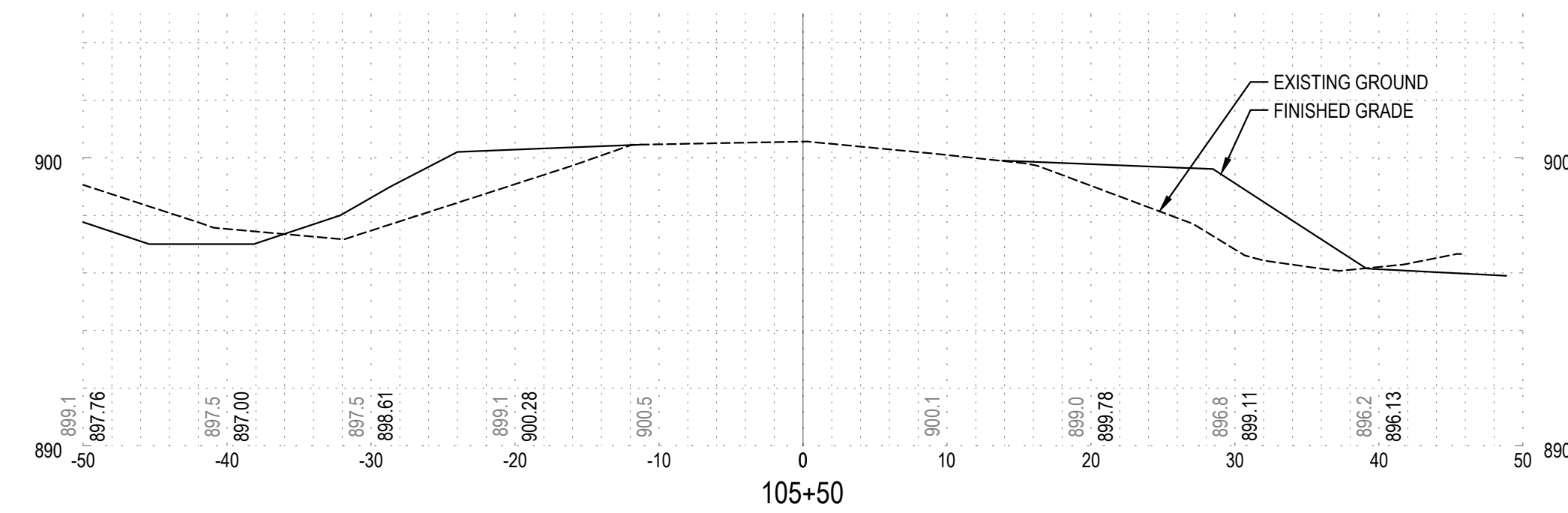
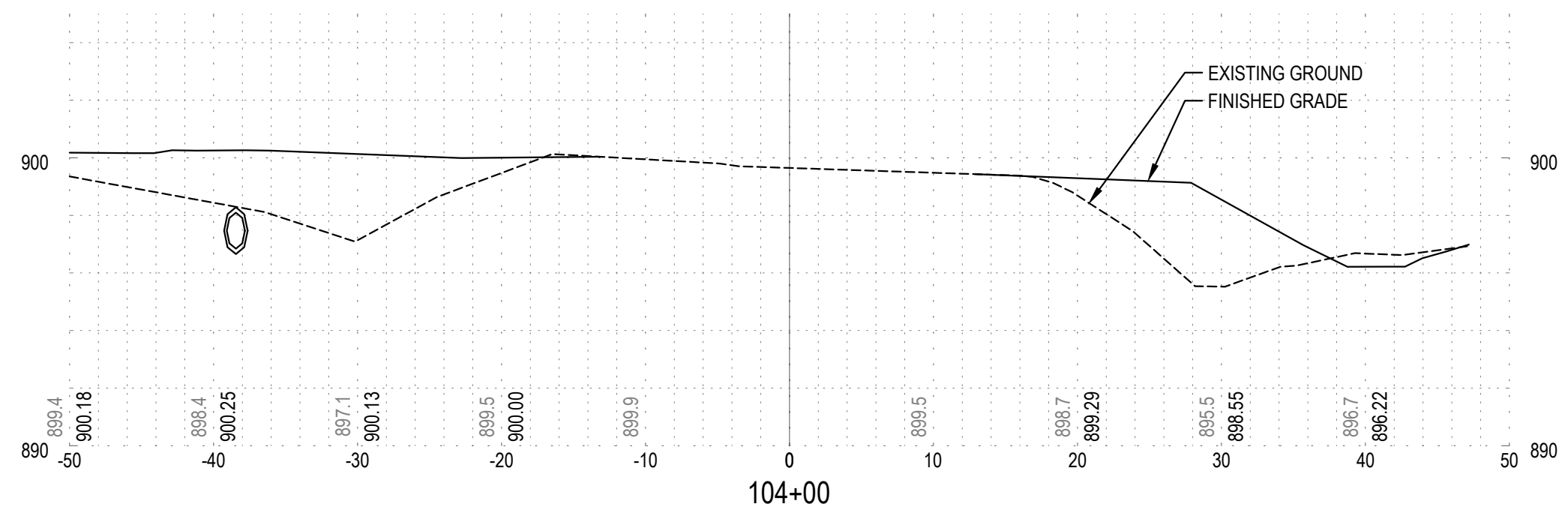
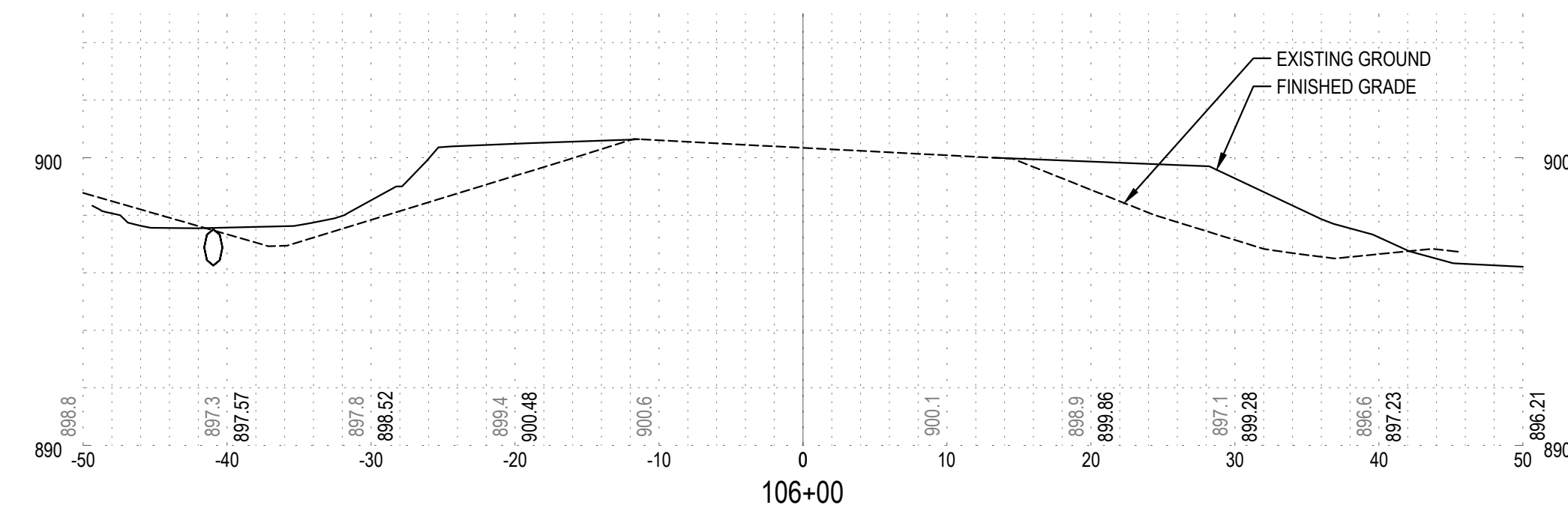
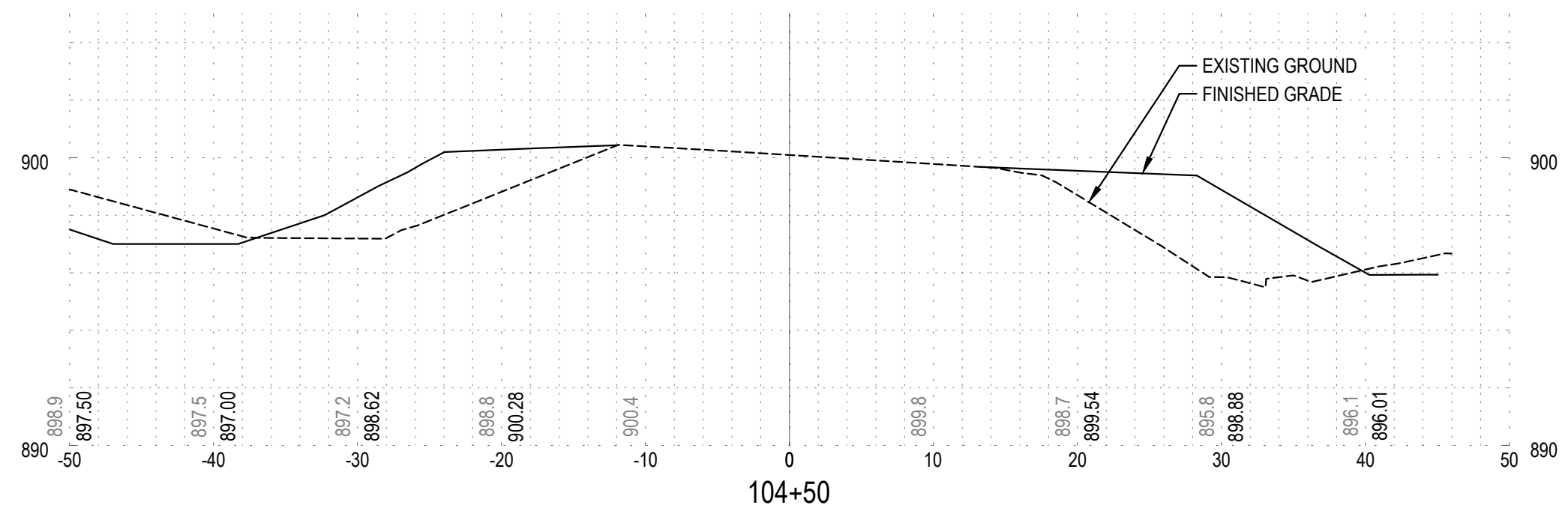
ENGINEERING PLAN
Issue Date: 08/15/2023

Project Manager MRL
Drawn by CKJ
Checked by MRL

CROSS SECTIONS

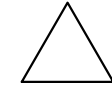
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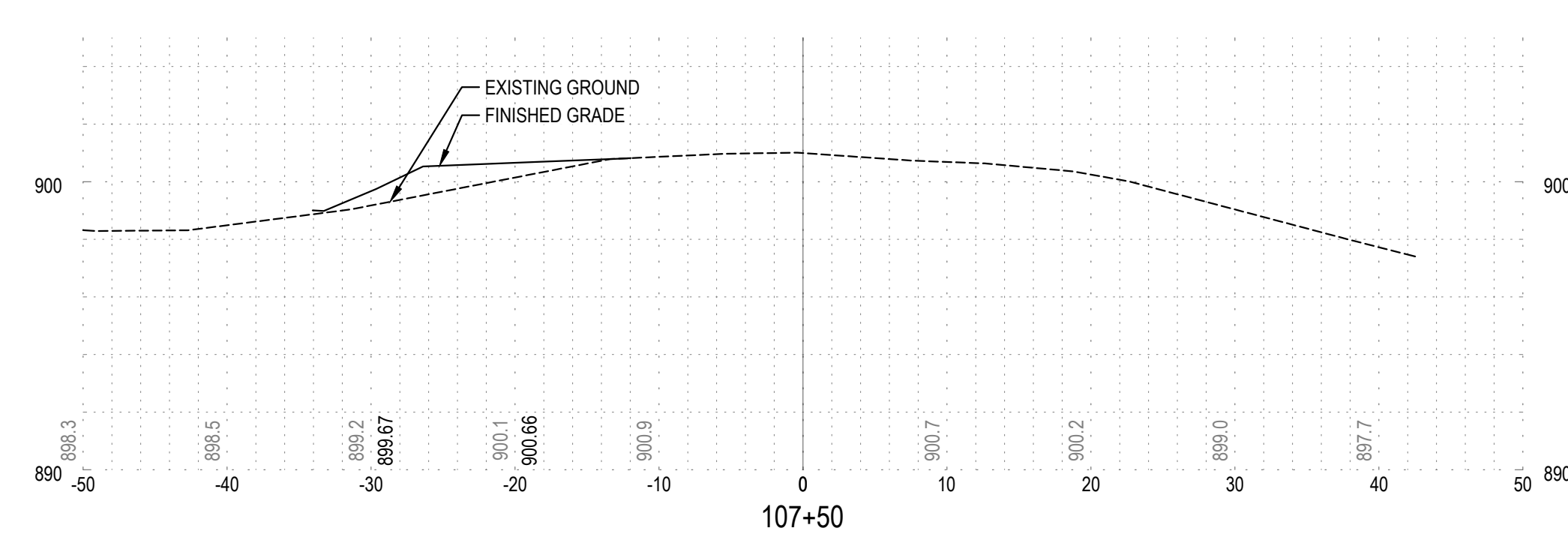
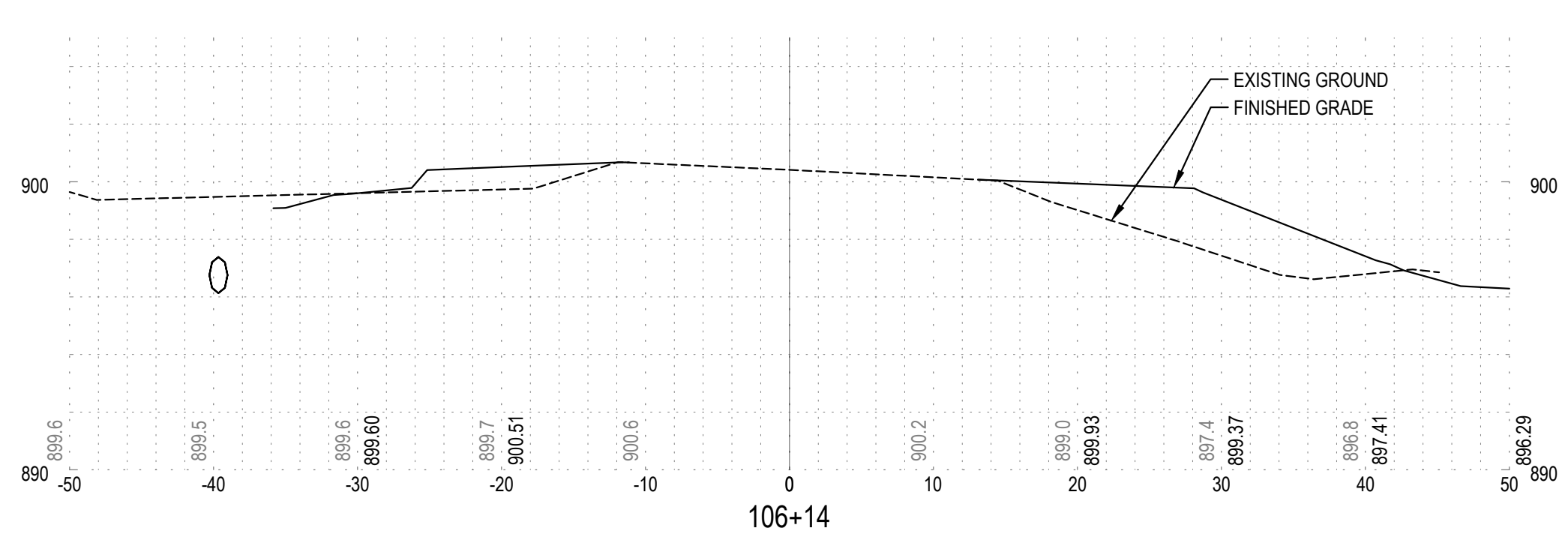
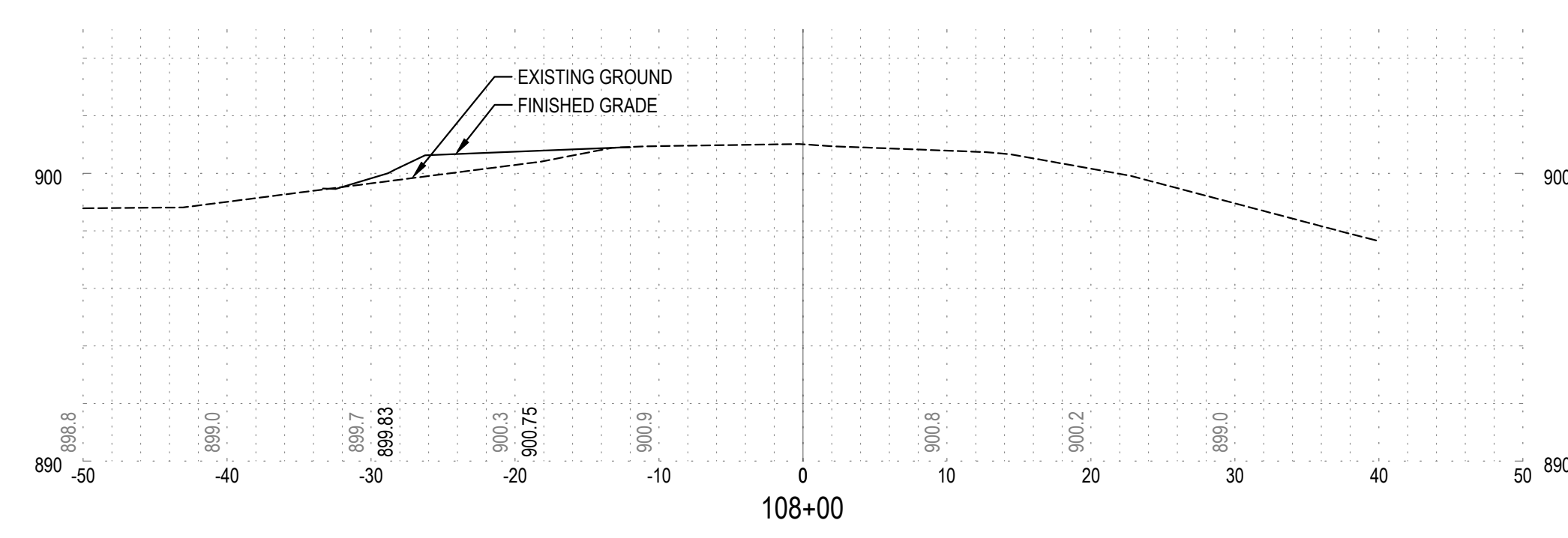
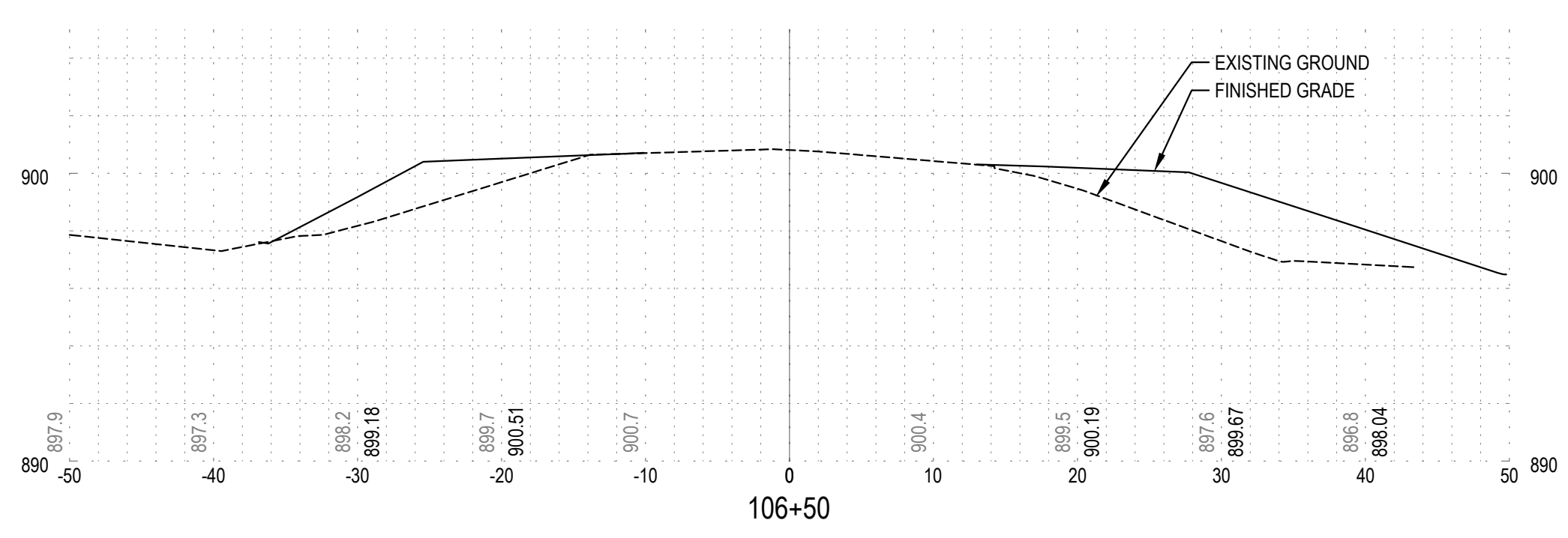
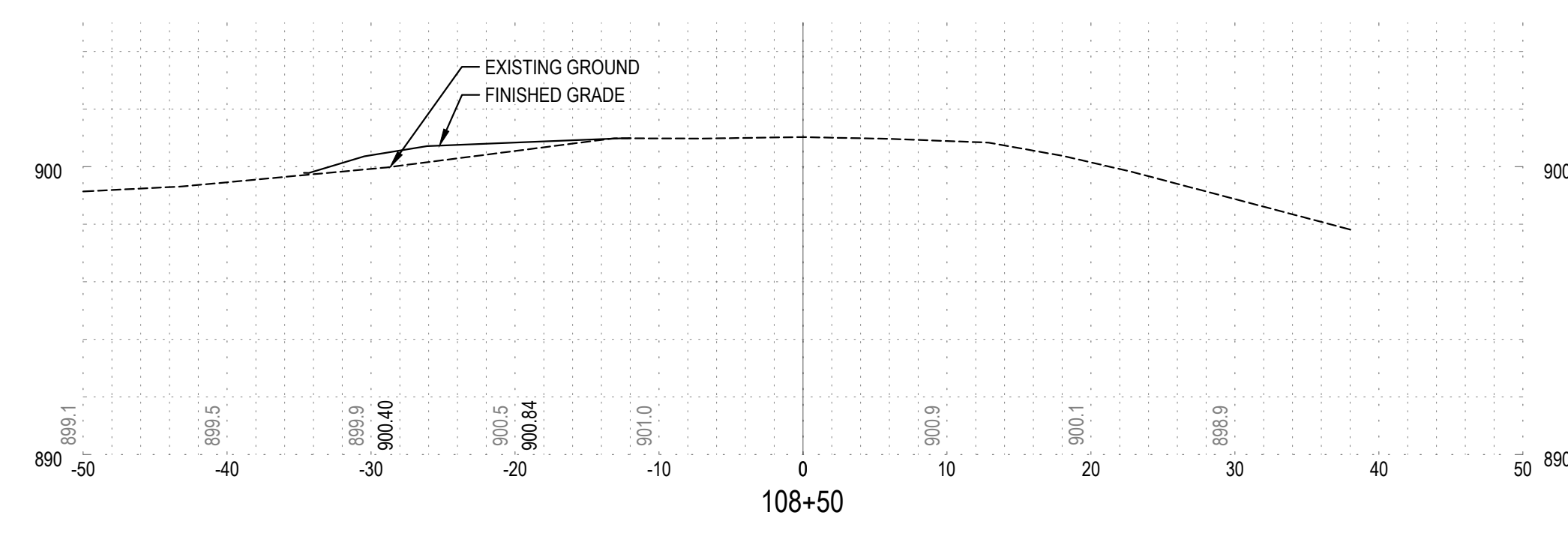
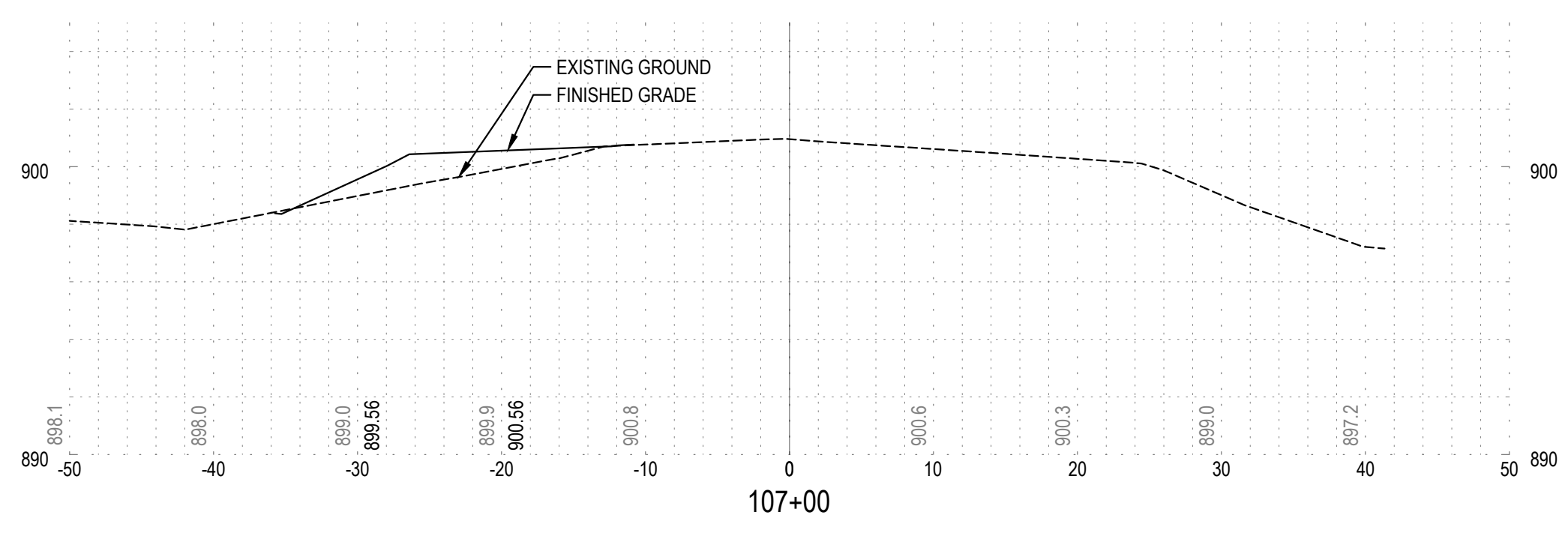
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Drawn by CKJ
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CROSS SECTIONS

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Issue Date: 08/15/2023

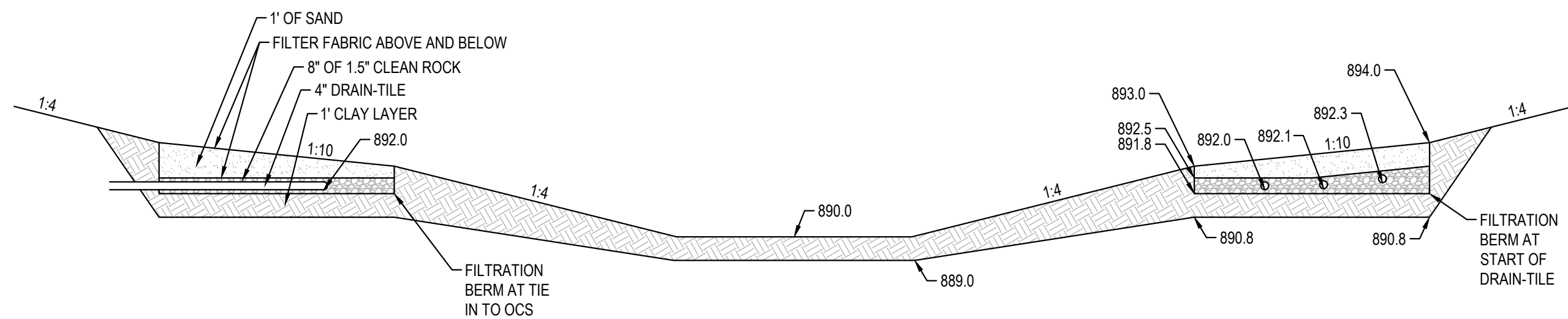
Project Manager MRL
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CROSS SECTIONS

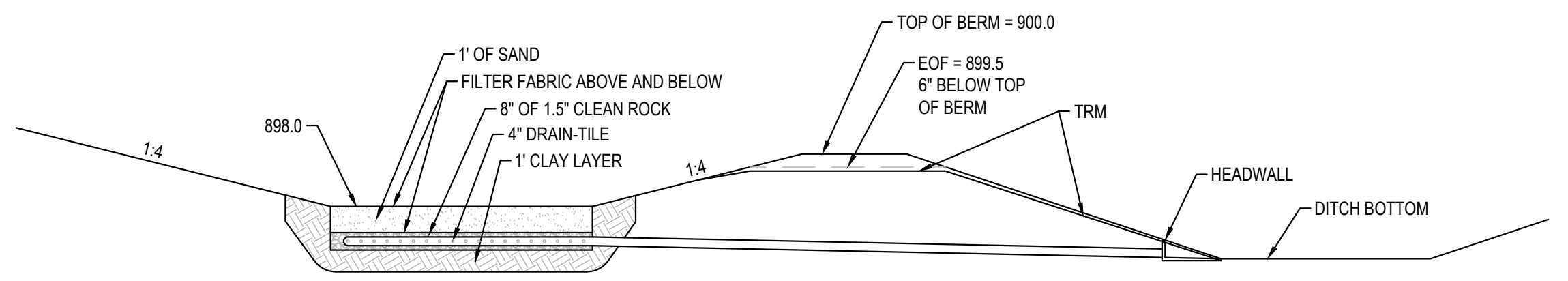
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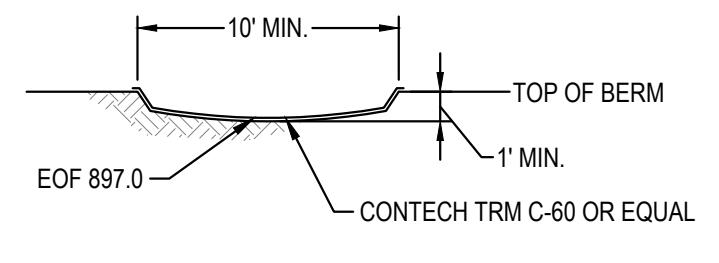
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1 WET POND (POND 3)
SCALE: NTS

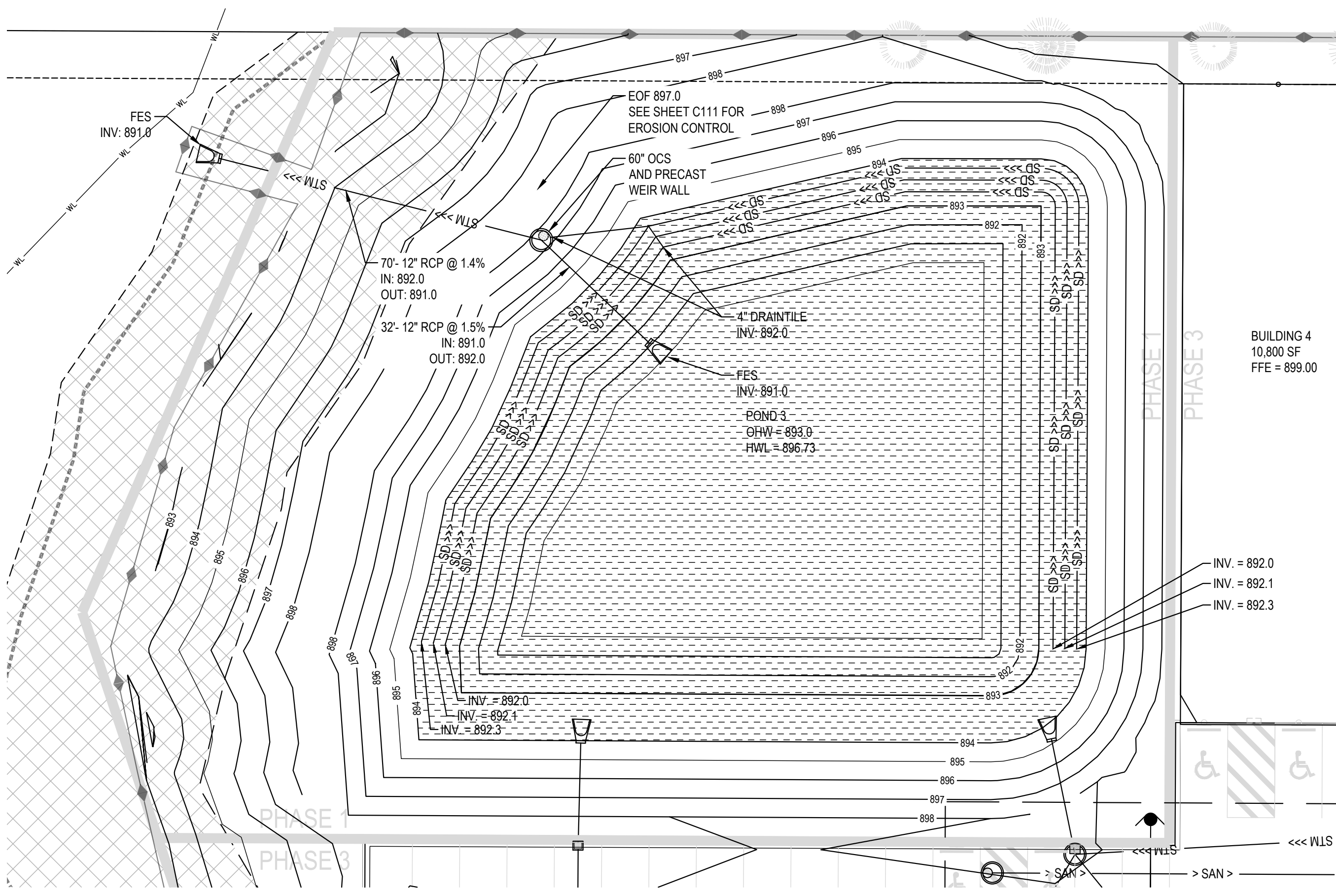


1 FILTRATION BASINS (POND 1 AND 2)
SCALE: NTS

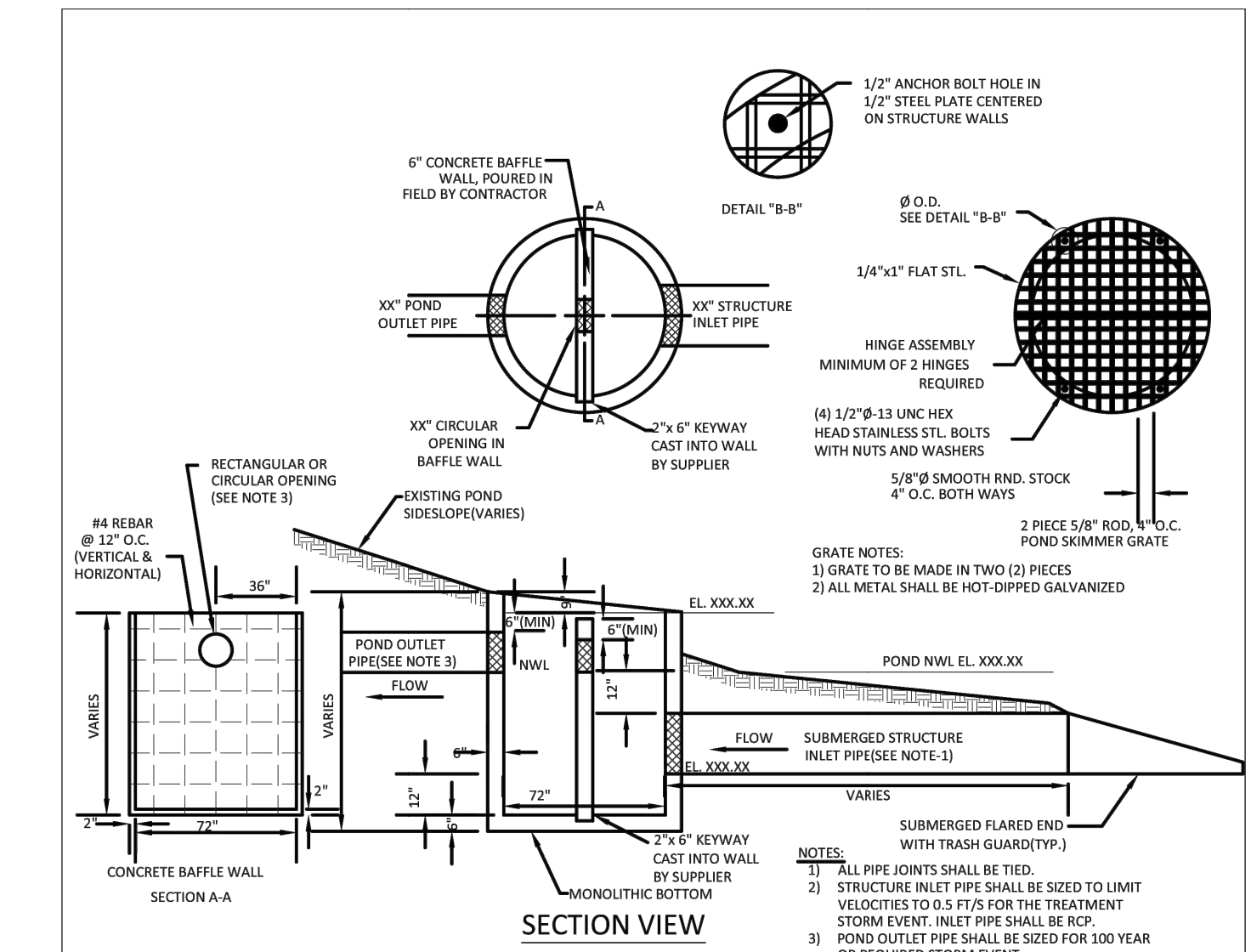


NOTES:
 1. PLACE BLANKET TO TOE OF SLOPE.
 2. INFILTRATION OVERFLOW 0.5' FROM TOP OF BERM.
 3. INSTALL BLANKET PER MANUFACTURERS RECOMMENDATIONS.

2 OVERFLOW DETAIL
SCALE: NTS



4 STORMWATER FACILITY PLAN
SCALE: 1" = 20'



ALTERNATE POND SKIMMER STRUCTURE WITH RATE CONTROL BAFFLE

DESIGNER NOTES (FOR > 1 ACRE OF NEW IMPERVIOUS SURFACE)

- A) A PERMANENT VOLUME OF 1800 CF PER ACRE DRAINING TO THE BASIN
- B) A WATER QUALITY VOLUME (WQV) OF 1/2" RUNOFF FROM NEW IMPERVIOUS AREA
- C) WQV DISCHARGE CANNOT EXCEED 5.66 CFS
- D) A 4" MIN. DEPTH AND 10" MAX. DEPTH
- E) OUTLETS DESIGNED TO MINIMIZE SHORT CIRCUITING & SKIM FLOATING DEBRIS
- F) AN EMERGENCY OVERFLOW
- G) ADEQUATE PUBLIC ACCESS

SEE DETAIL RIGHT FOR SPECIFIC ELEVATIONS

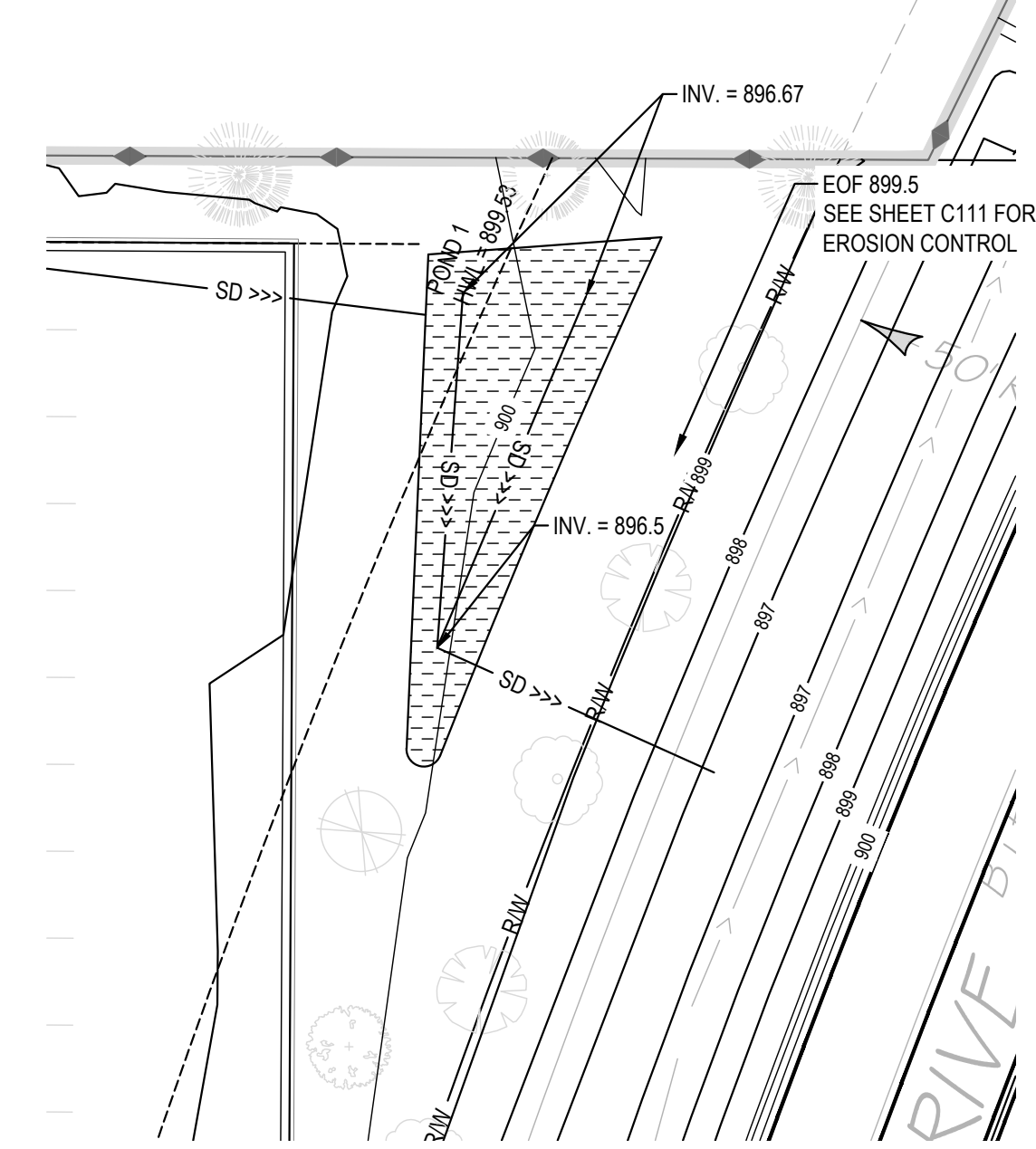


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 RANCHO, MINNESOTA 55363
 Phone: (763) 433-8853
 Email: Randy@bolton-menk.com
 www.bolton-menk.com

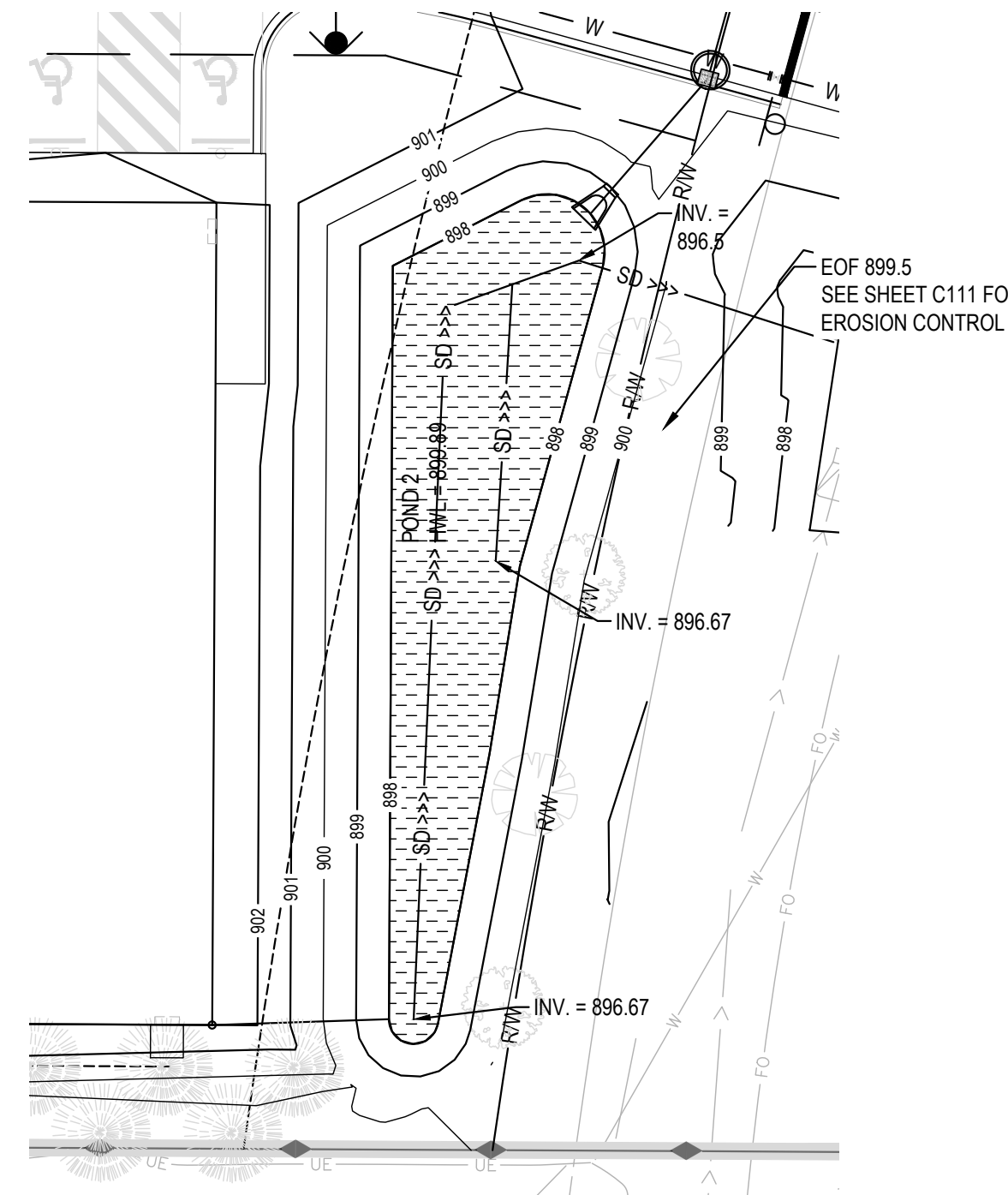
ALTERNATE POND SKIMMER STRUCTURE

NOV 2022
 STD. DETAIL
 514

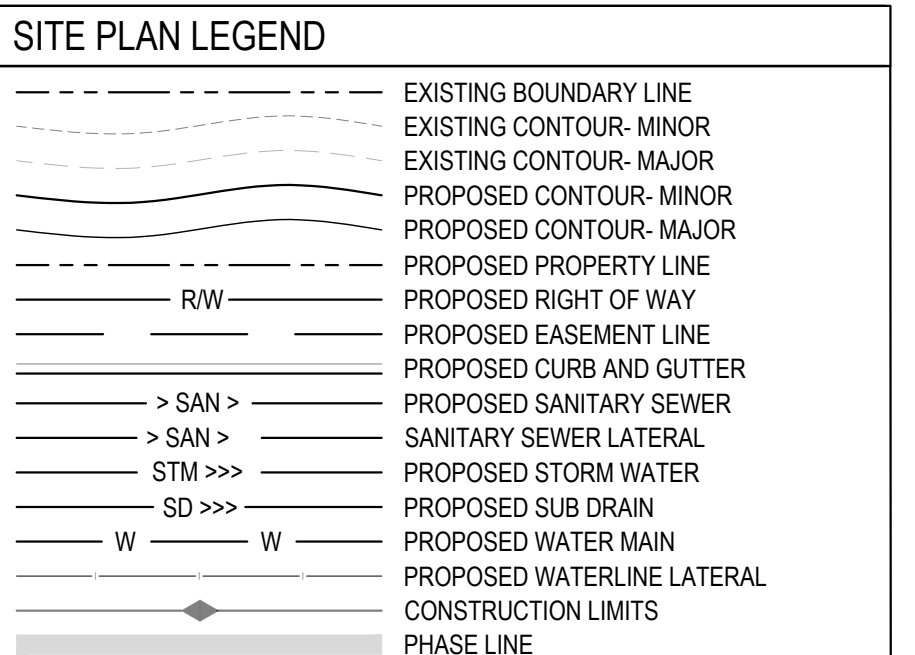
3 STORMWATER CONTROL STRUCTURE
SCALE: NTS



6 STORMWATER FACILITY PLAN
SCALE: 1" = 20'



6 STORMWATER FACILITY PLAN
SCALE: 1" = 20'



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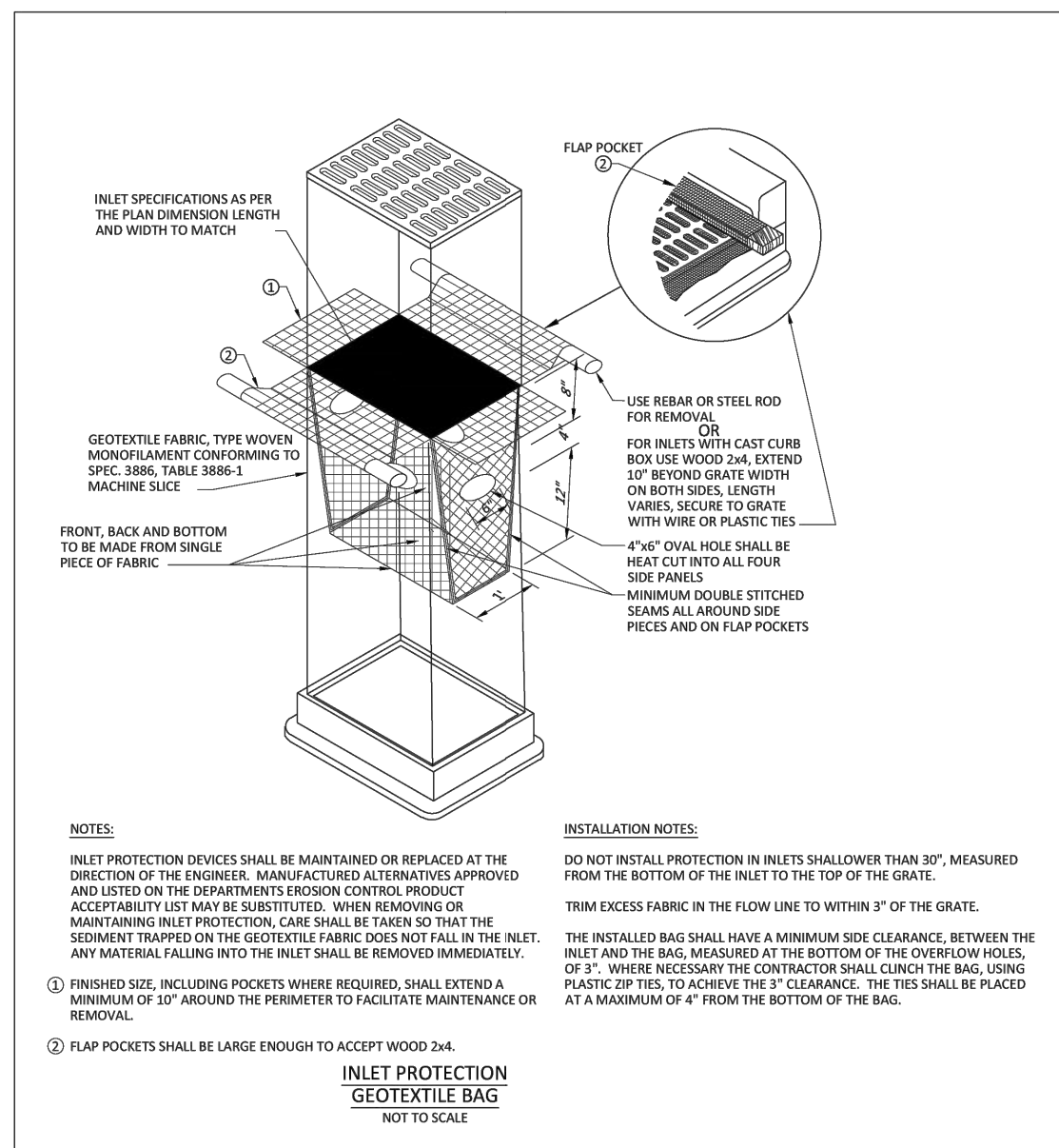
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ENGINEERING PLAN
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Project Manager MRL
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STORMWATER FACILITY PLAN
C120

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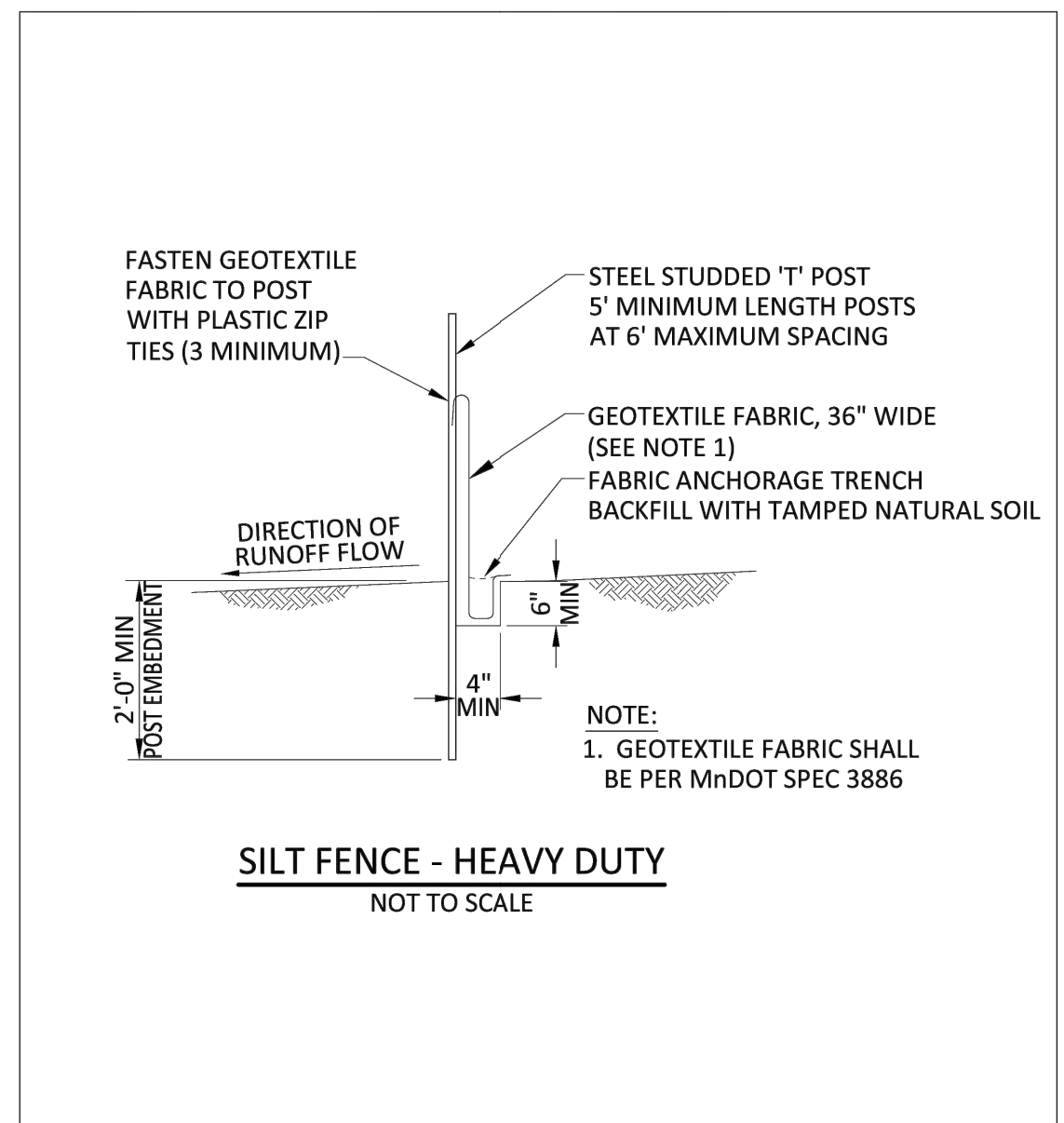
INLET PROTECTION GEOTEXTILE BAG DETAIL

DETAIL PLATE NO: 3-104

BOLTON & MENK

DATE: NOVEMBER, 2021
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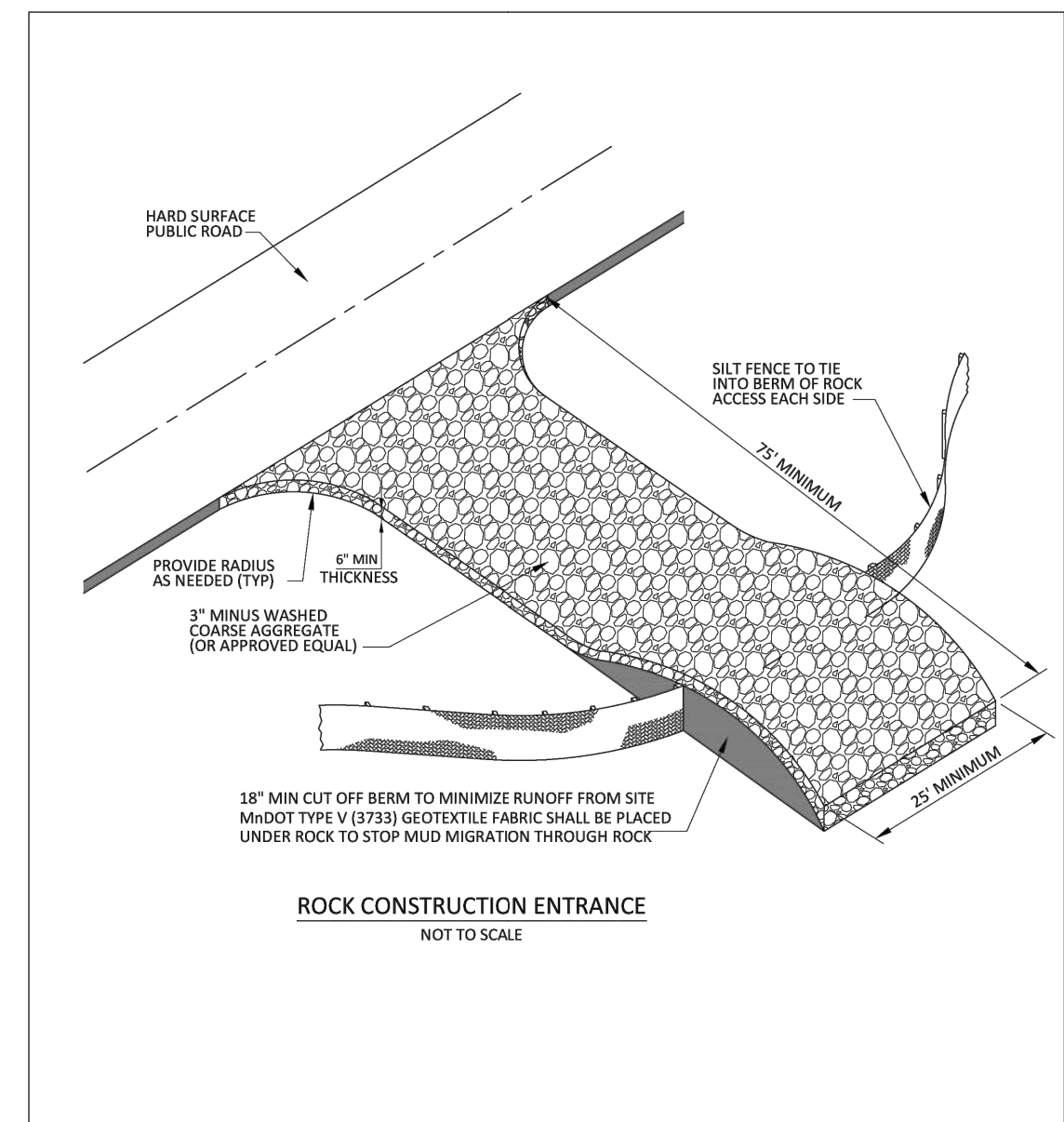
SILT FENCE - HEAVY DUTY DETAIL

DETAIL PLATE NO: 3-400

BOLTON & MENK

DATE: NOVEMBER, 2021
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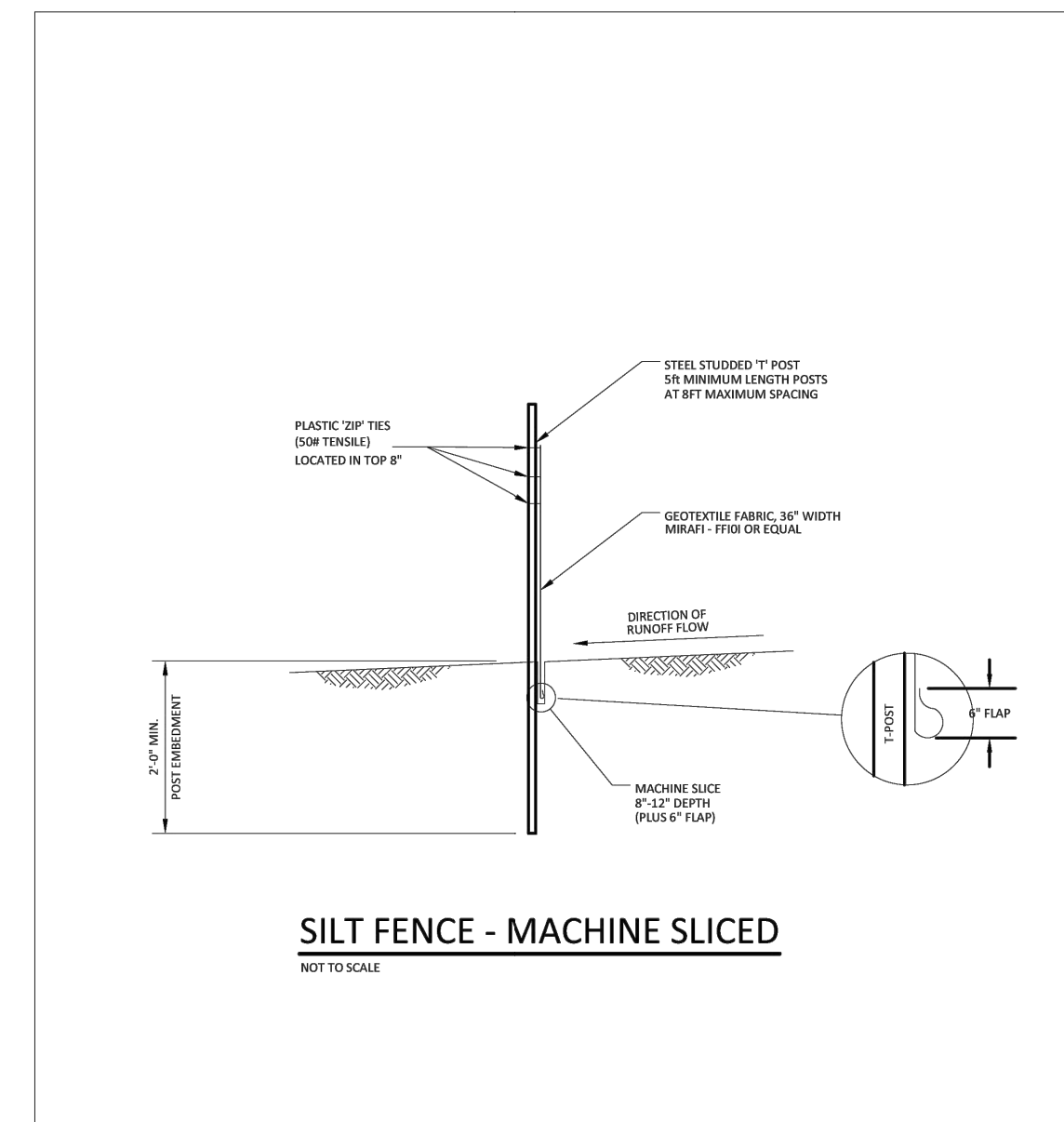
ROCK CONSTRUCTION ENTRANCE

DETAIL PLATE NO: 3-502

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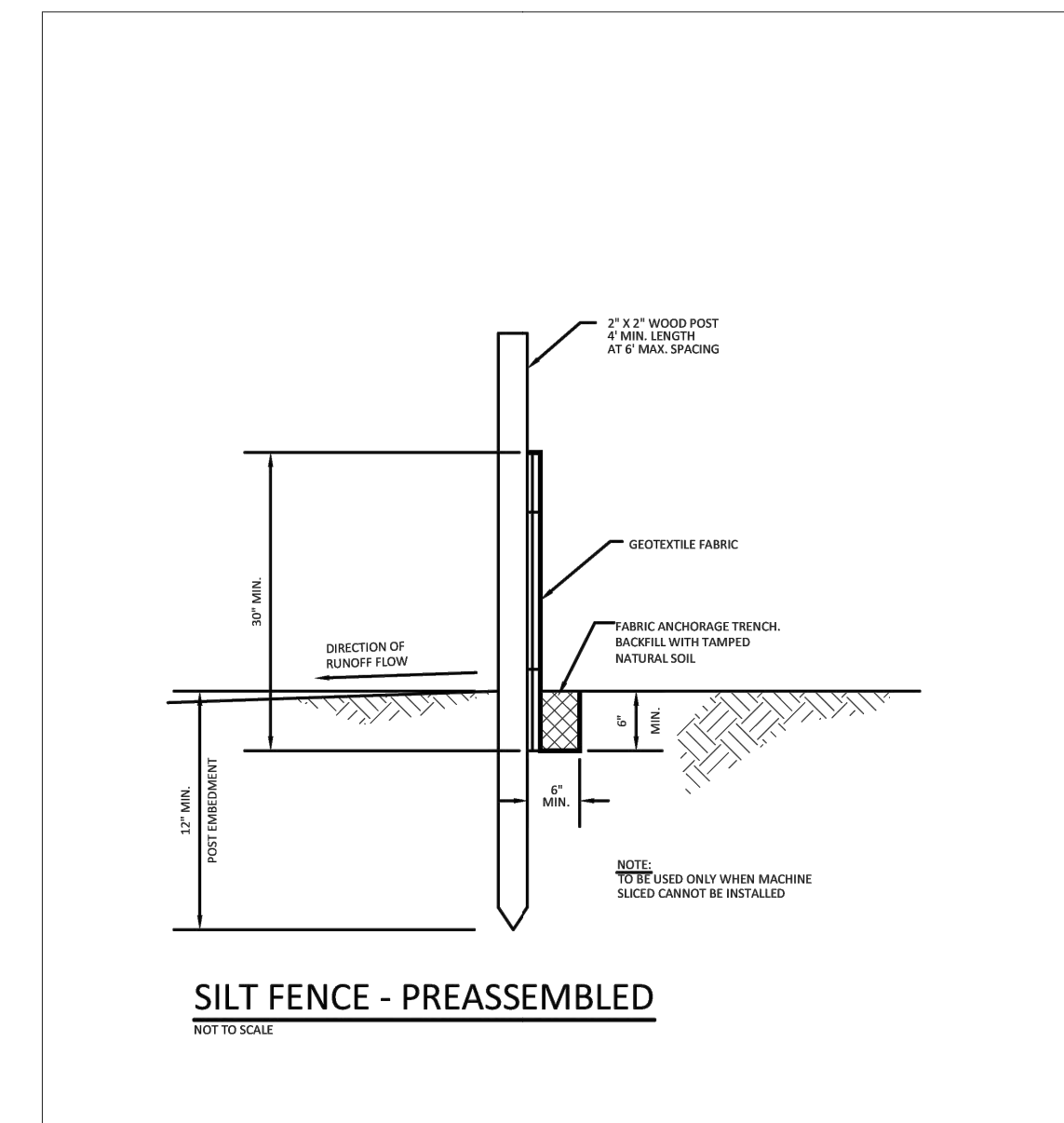
SILT FENCE MACHINE SLICED

DETAIL PLATE NO: 3-502

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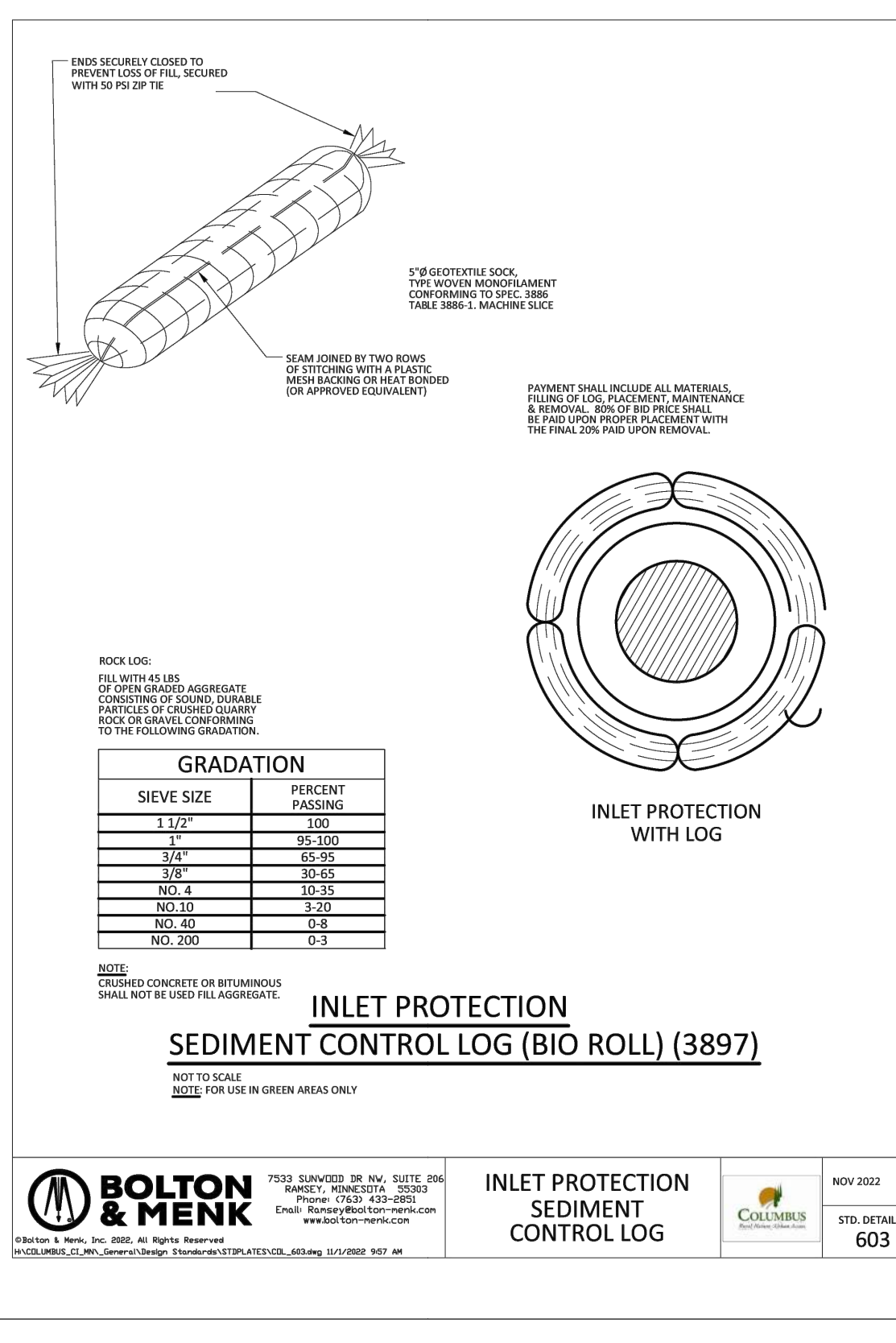
SILT FENCE PREASSEMBLED

DETAIL PLATE NO: 3-502

BOLTON & MENK

DATE: NOVEMBER, 2021
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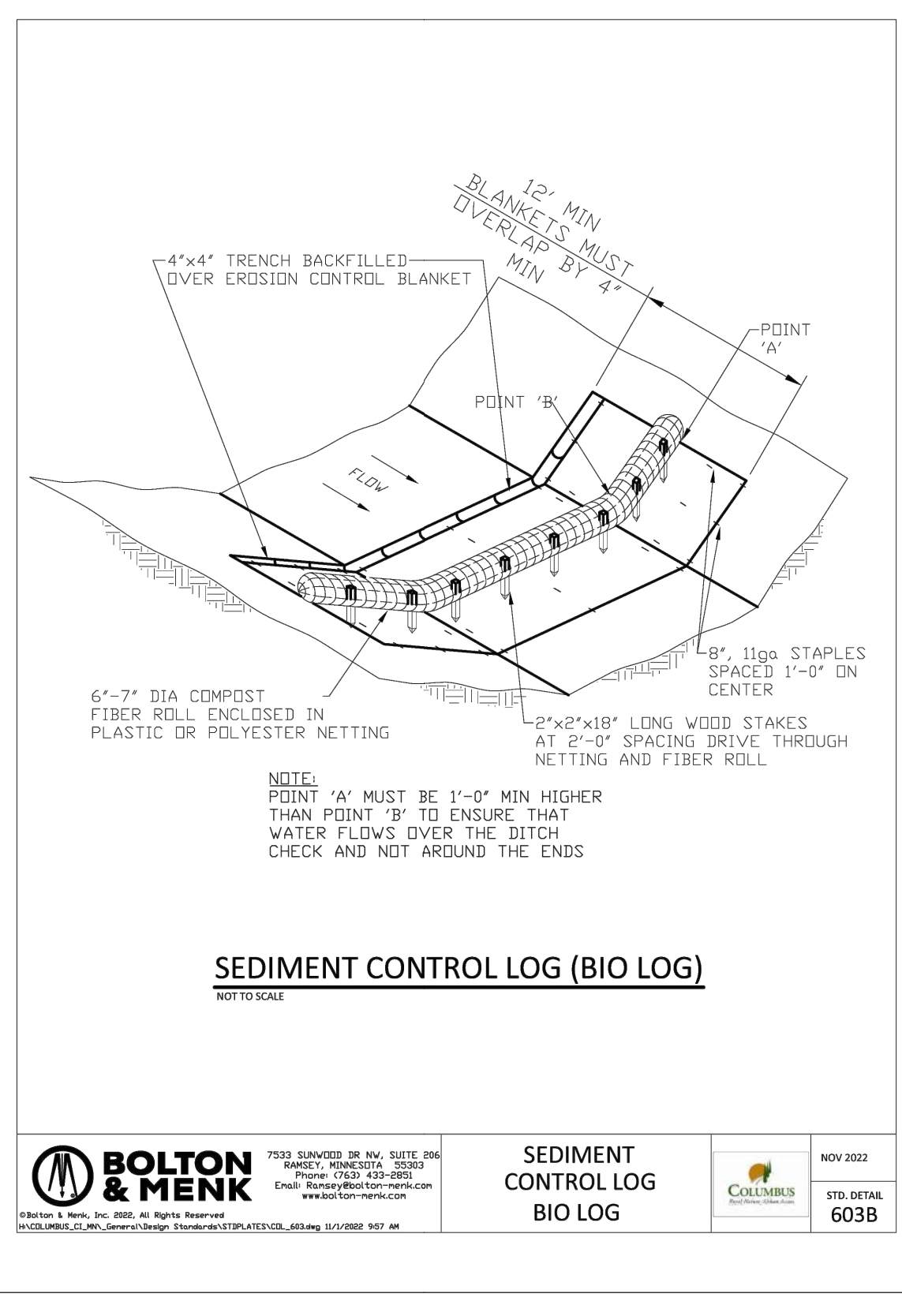
INLET PROTECTION SEDIMENT CONTROL LOG

DETAIL PLATE NO: 603

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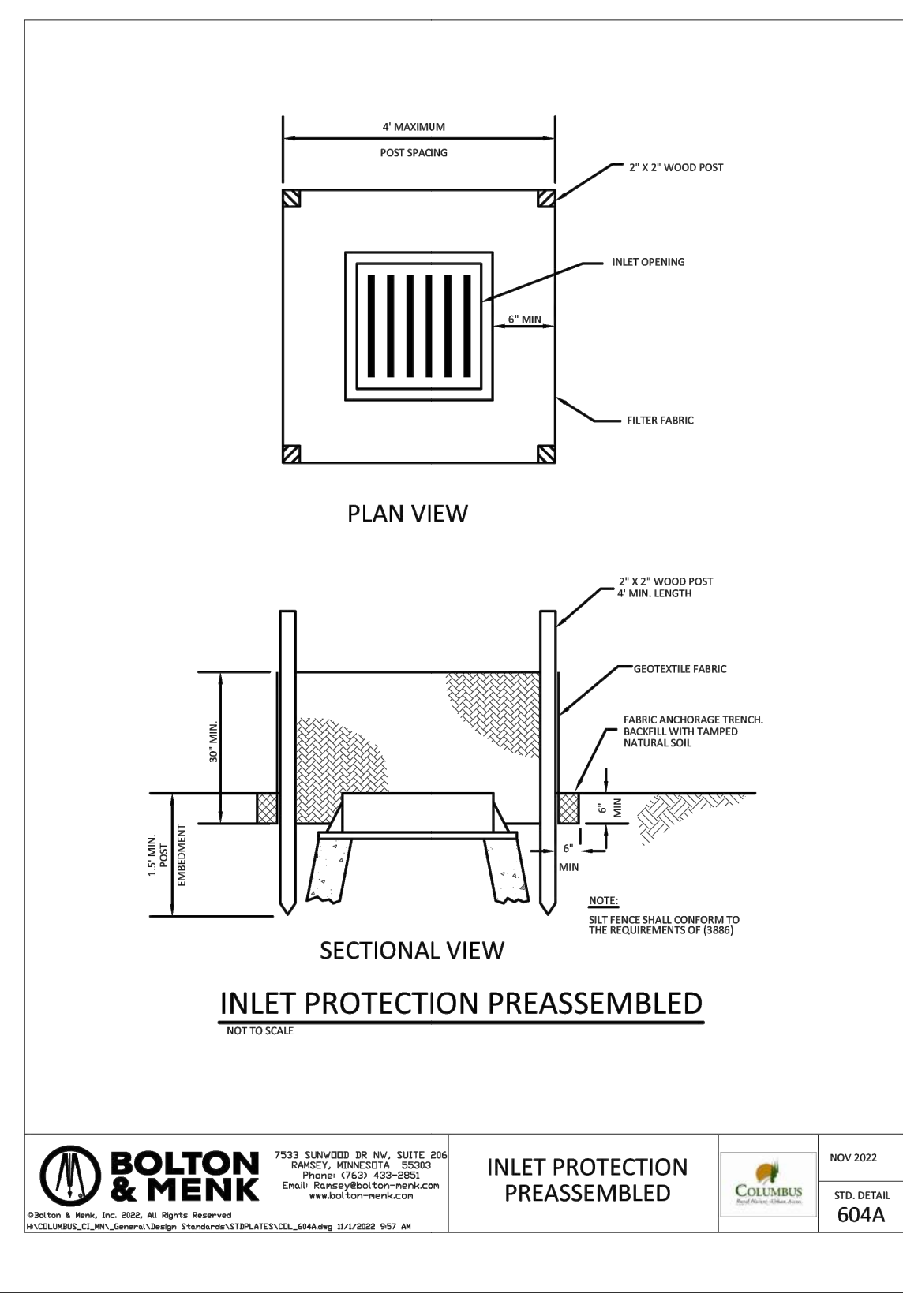
SEDIMENT CONTROL LOG BIO LOG

DETAIL PLATE NO: 603B

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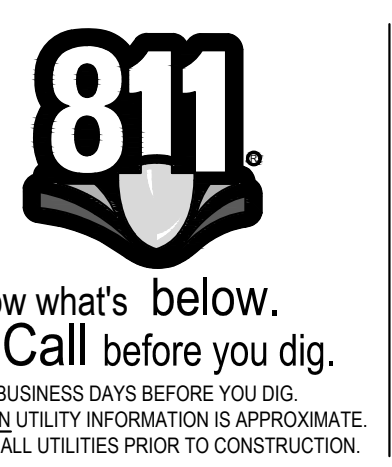
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DETAIL PLATE NO: 604A

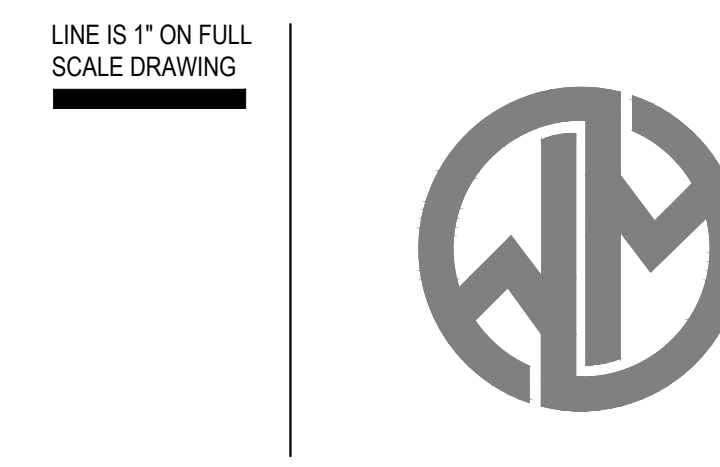
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Checked by MRL

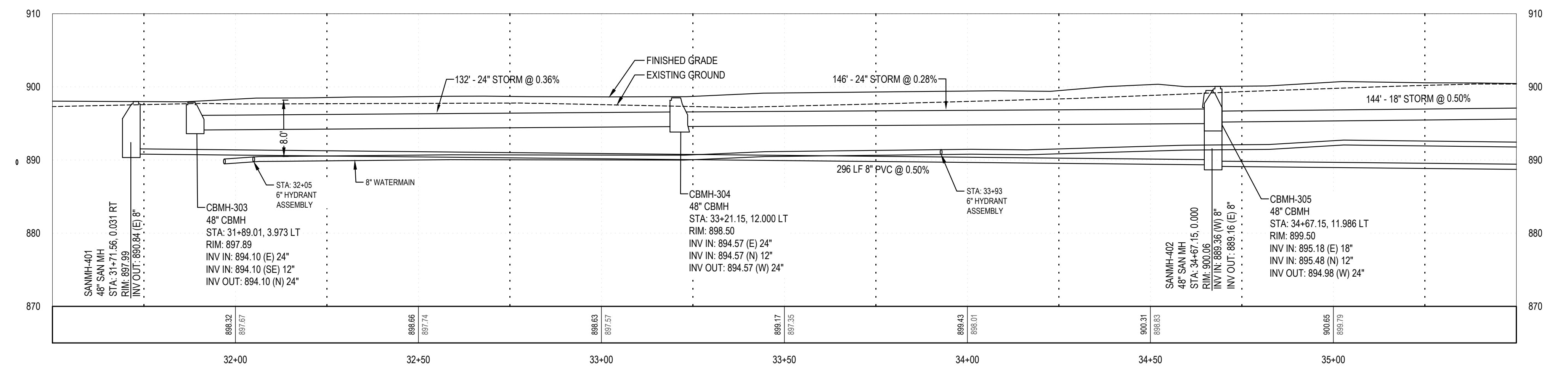
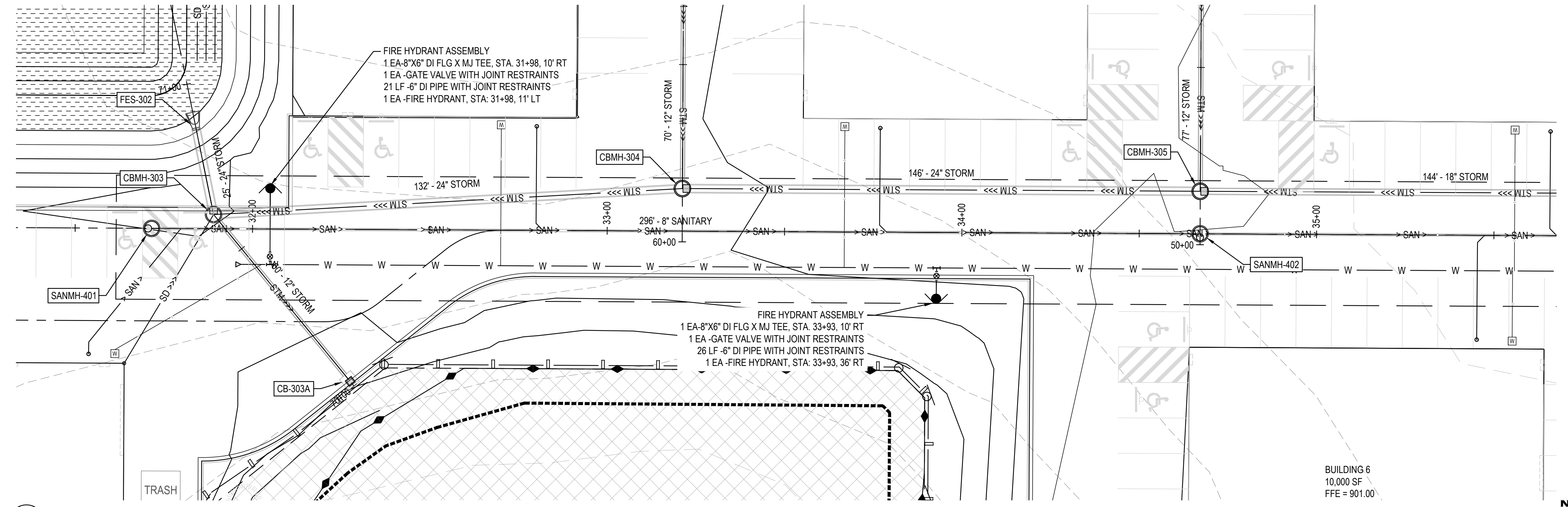
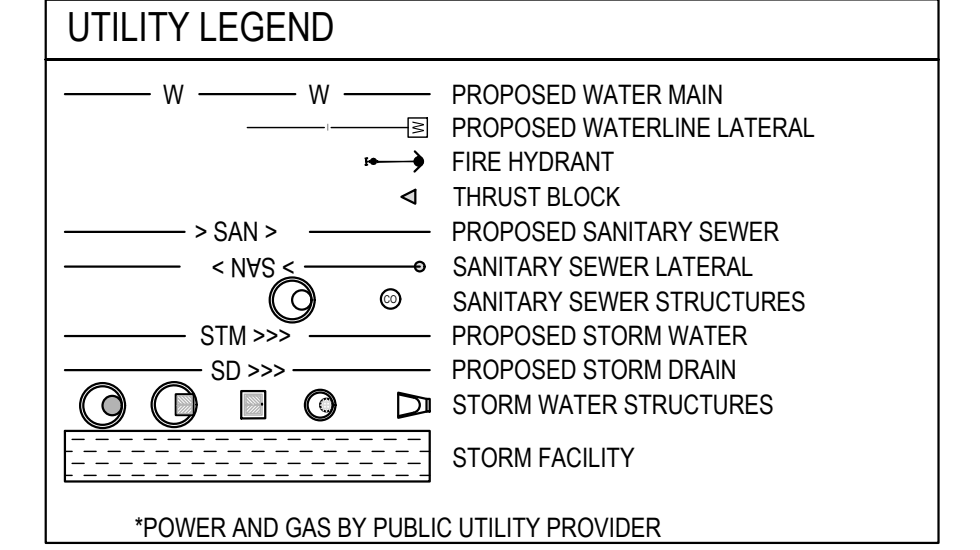
EROSION CONTROL DETAILS

C191

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NOTES:

- COORDINATE WITH CITY PUBLIC WORKS PRIOR TO CONNECTING TO EXISTING PUBLIC UTILITIES.
- WATER SERVICES TO MAINTAIN 7.5' OF COVER.
- MAINTAIN 10' OF SEPARATION FROM WATER SERVICE MAIN LINE FROM SANITARY AND STORM SEWER.
- INSULATE BETWEEN WATERMAIN AND ANY SERVICES THAT ARE WITHIN 18" OF STORM OR SANITARY CROSSINGS.
- Water service shall be 2"
- Sewer service shall be 6"



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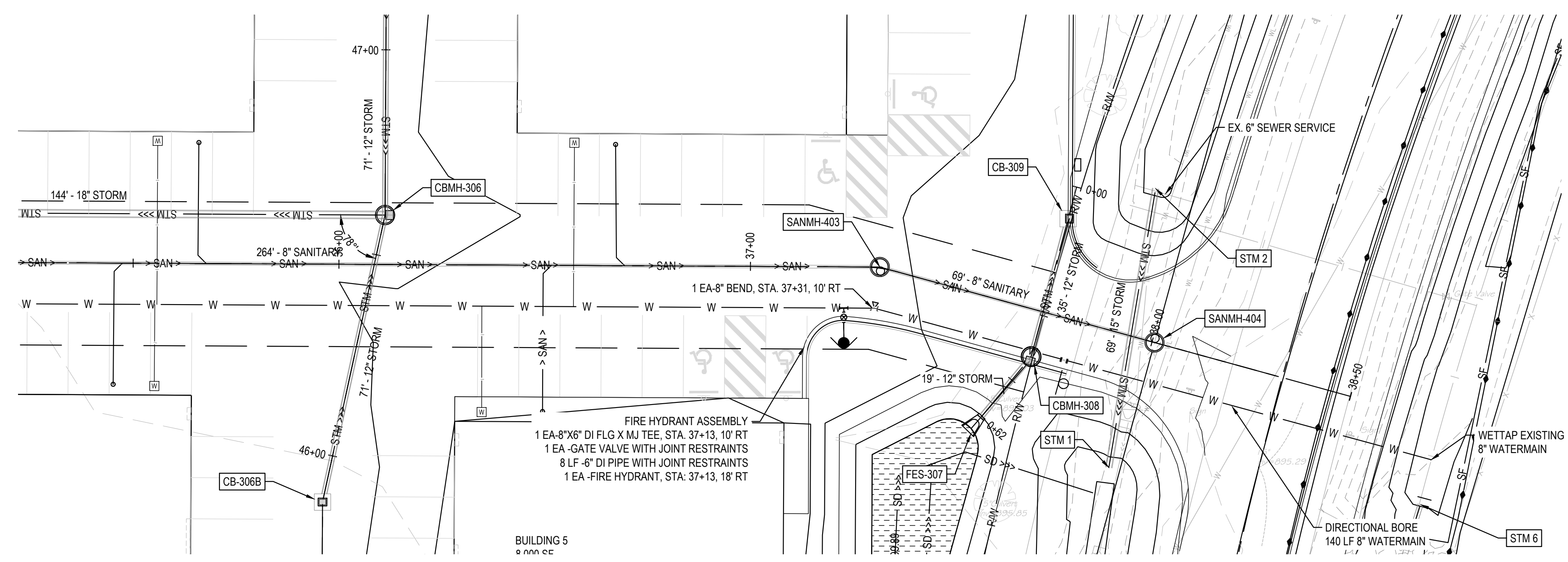
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UTILITY PLAN & PROFILE

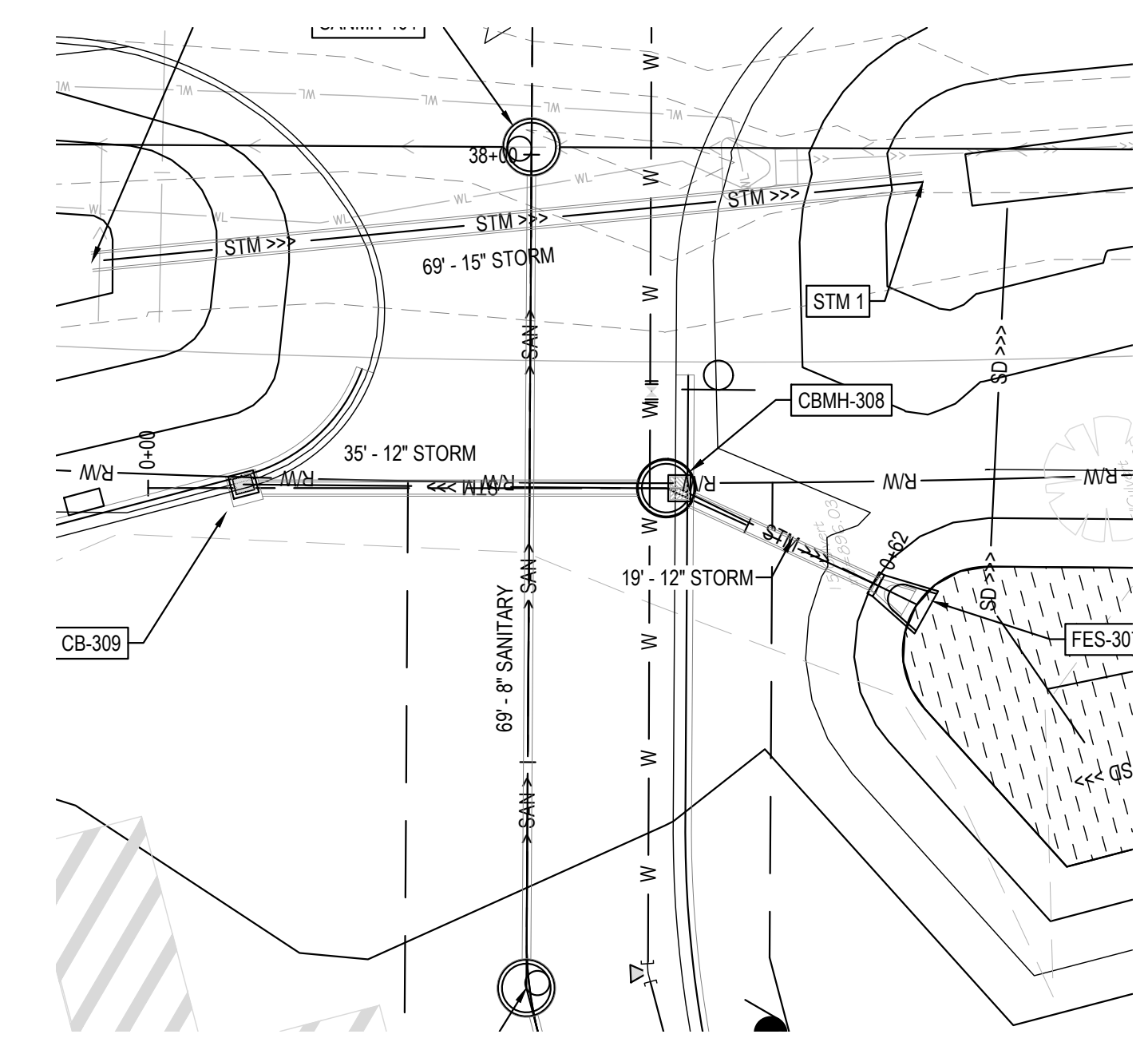
C300

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1 PLAN VIEW
SCALE: 1" = 20'



1 PLAN VIEW
SCALE: 1" = 20'

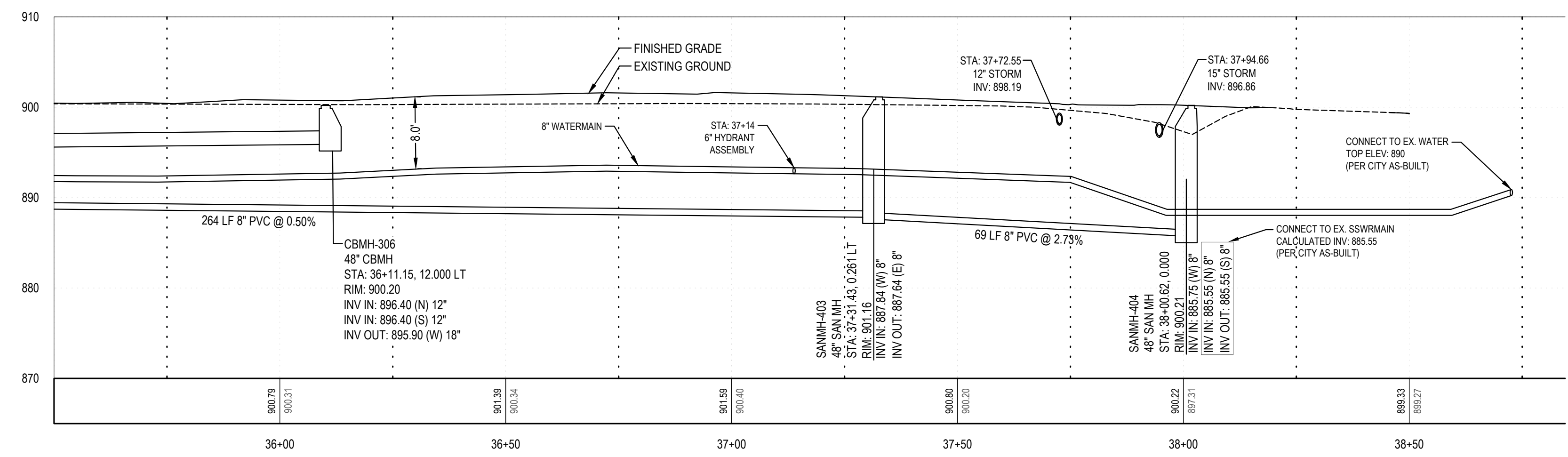
NOTES:

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- INSULATE BETWEEN WATERMAIN AND ANY SERVICES THAT ARE WITHIN 18" OF STORM OR SANITARY CROSSINGS.

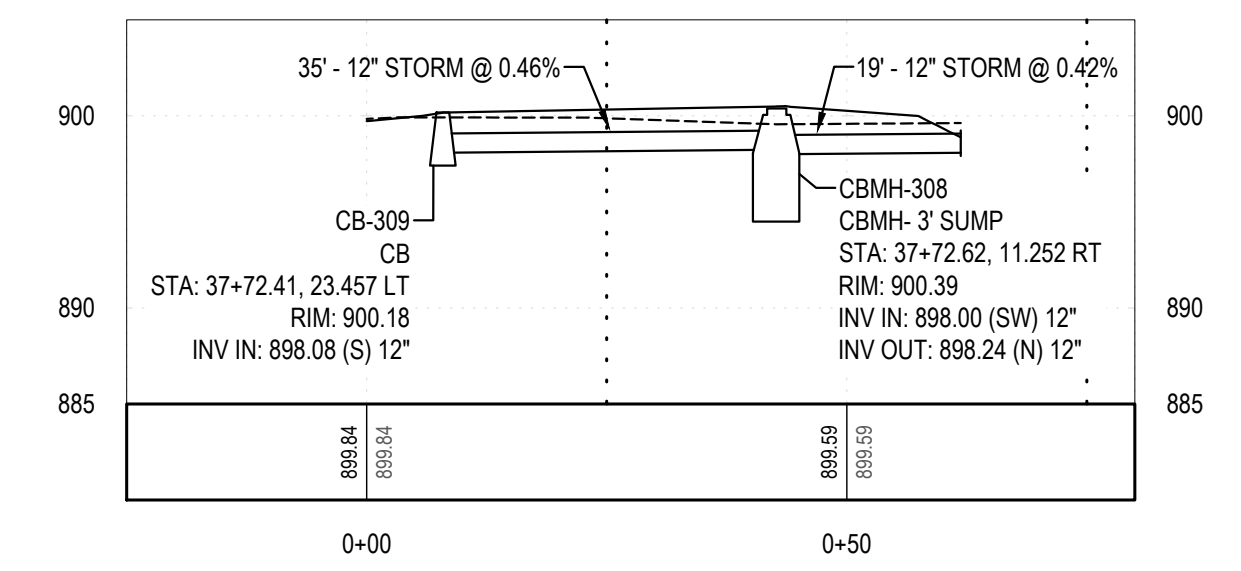
UTILITY LEGEND

- W — W — PROPOSED WATER MAIN
- W — PROPOSED WATERLINE LATERAL
- F — FIRE HYDRANT
- T — THRUST BLOCK
- > SAN > — PROPOSED SANITARY SEWER
- < NVS < — SANITARY SEWER LATERAL
- S — SANITARY SEWER STRUCTURES
- STM >>> — PROPOSED STORM WATER
- SD >>> — PROPOSED STORM DRAIN
- S — STORM WATER STRUCTURES
- — STORM FACILITY

*POWER AND GAS BY PUBLIC UTILITY PROVIDER



2 PROFILE VIEW
HORIZONTAL SCALE: 1" = 20' - VERTICAL SCALE: 1" = 10'



2 PROFILE VIEW
HORIZONTAL SCALE: 1" = 20' - VERTICAL SCALE: 1" = 10'

811 Know what's below. Call before you dig.

Revisions:

No.	Description

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DATE: 08-15-2023
REGISTRATION NO: 52664
SIGNED: *Marcus R. Lee*
MARCUS R. LEE, P.E.

COLUMBUS INDUSTRIAL PARK
WEST FREEWAY DR. NE
COLUMBUS, MN 55038

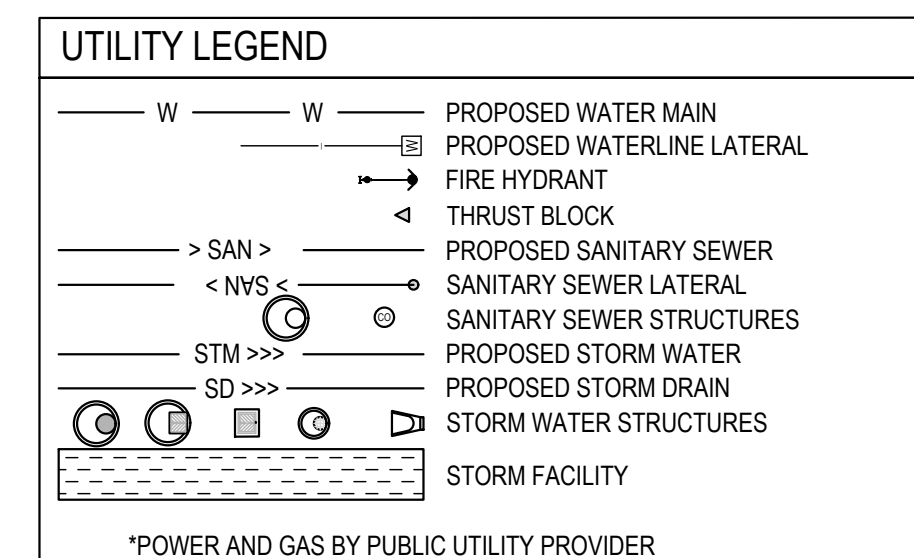
ENGINEERING PLAN
Issue Date: 08/15/2023

Project Manager MRL
Drawn by CKJ
Checked by MRL

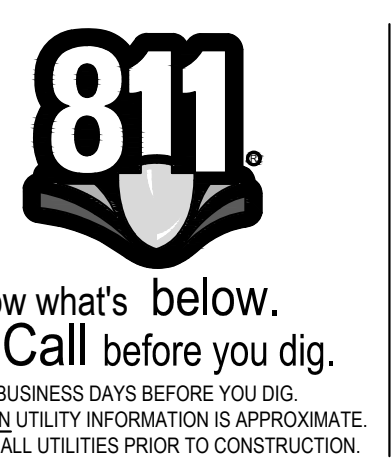
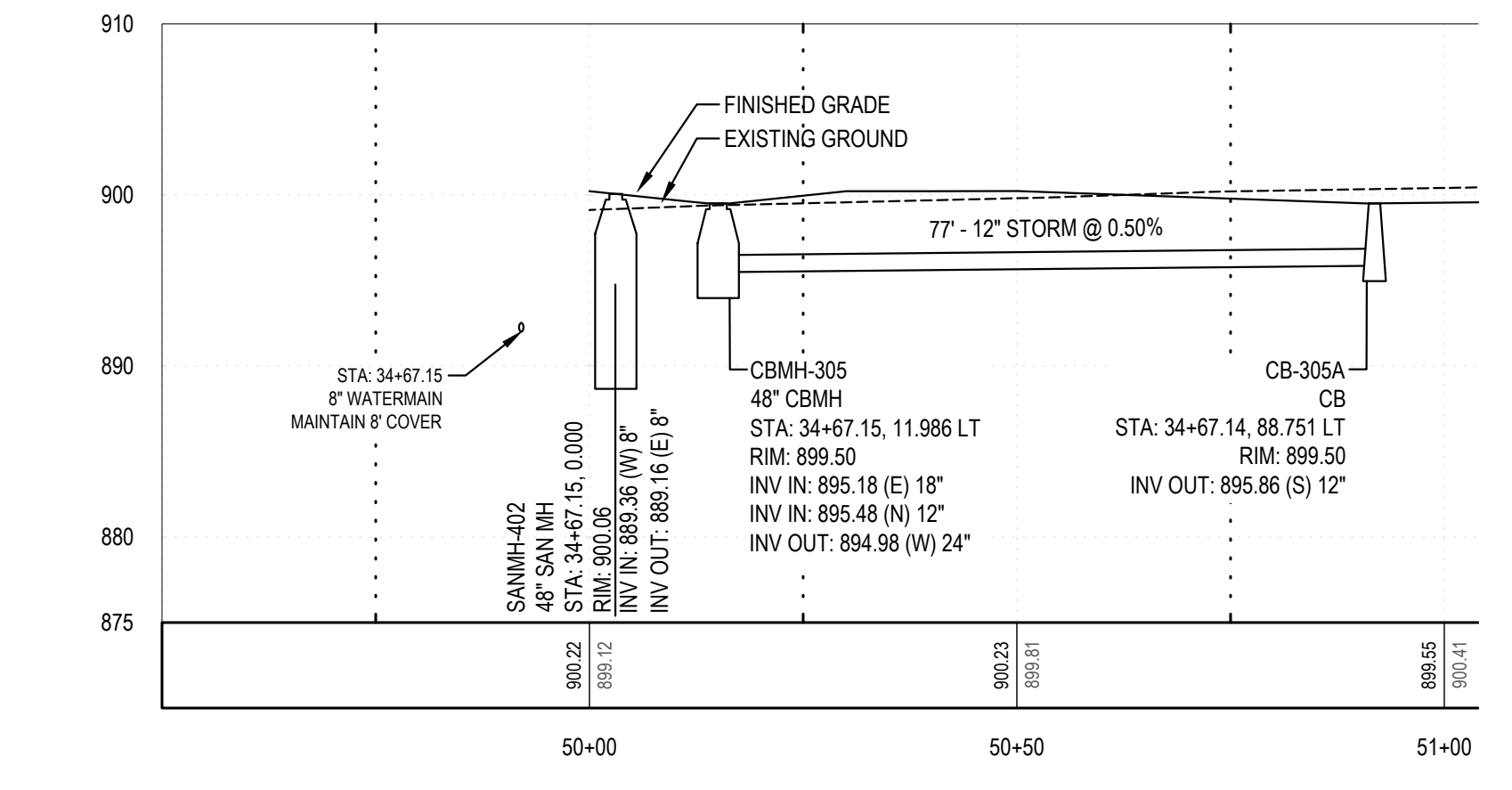
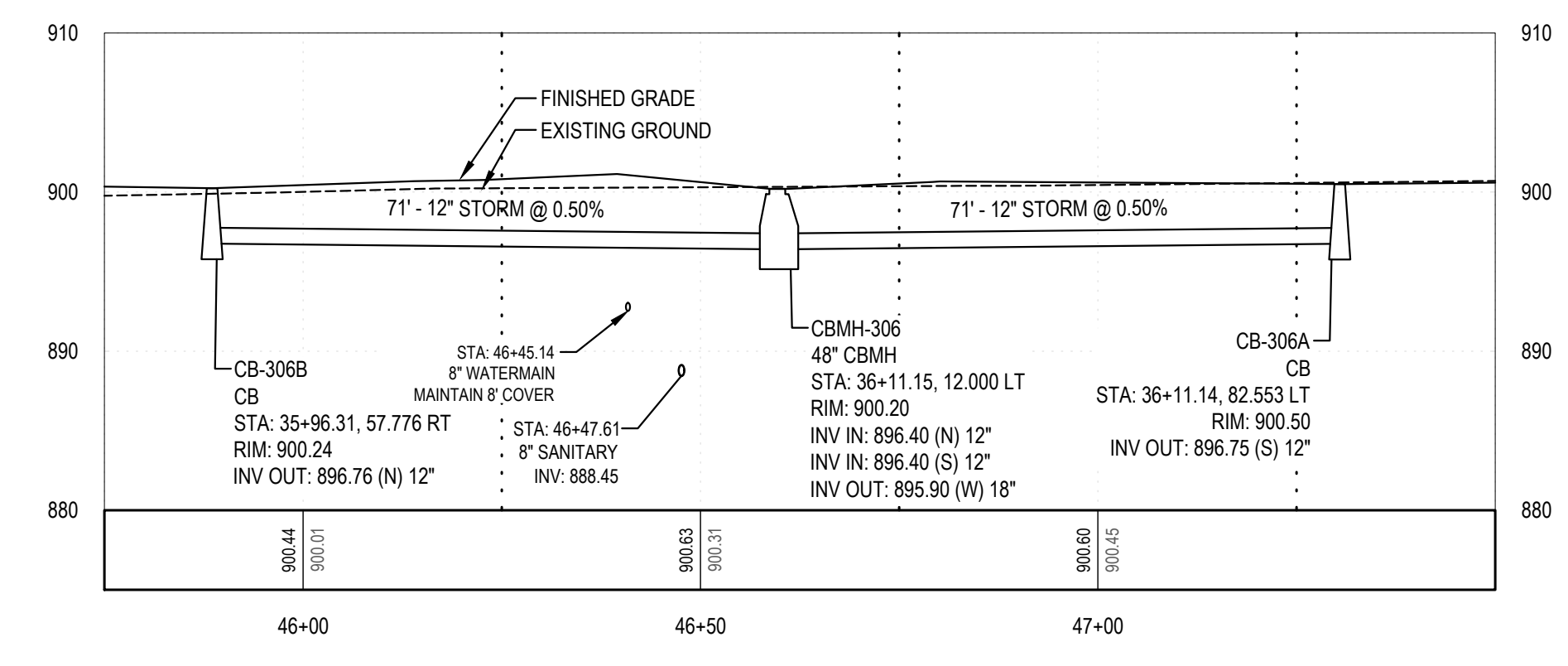
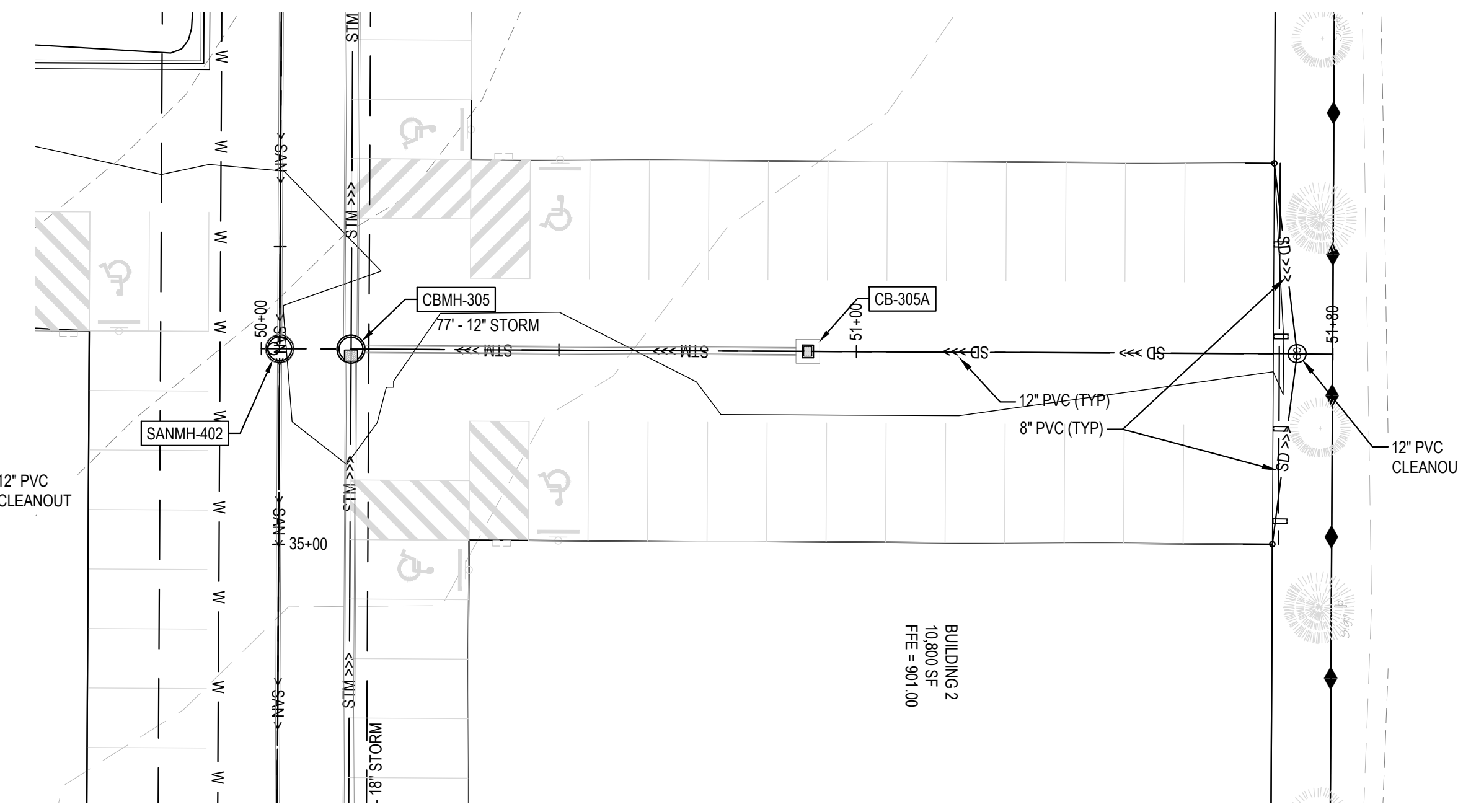
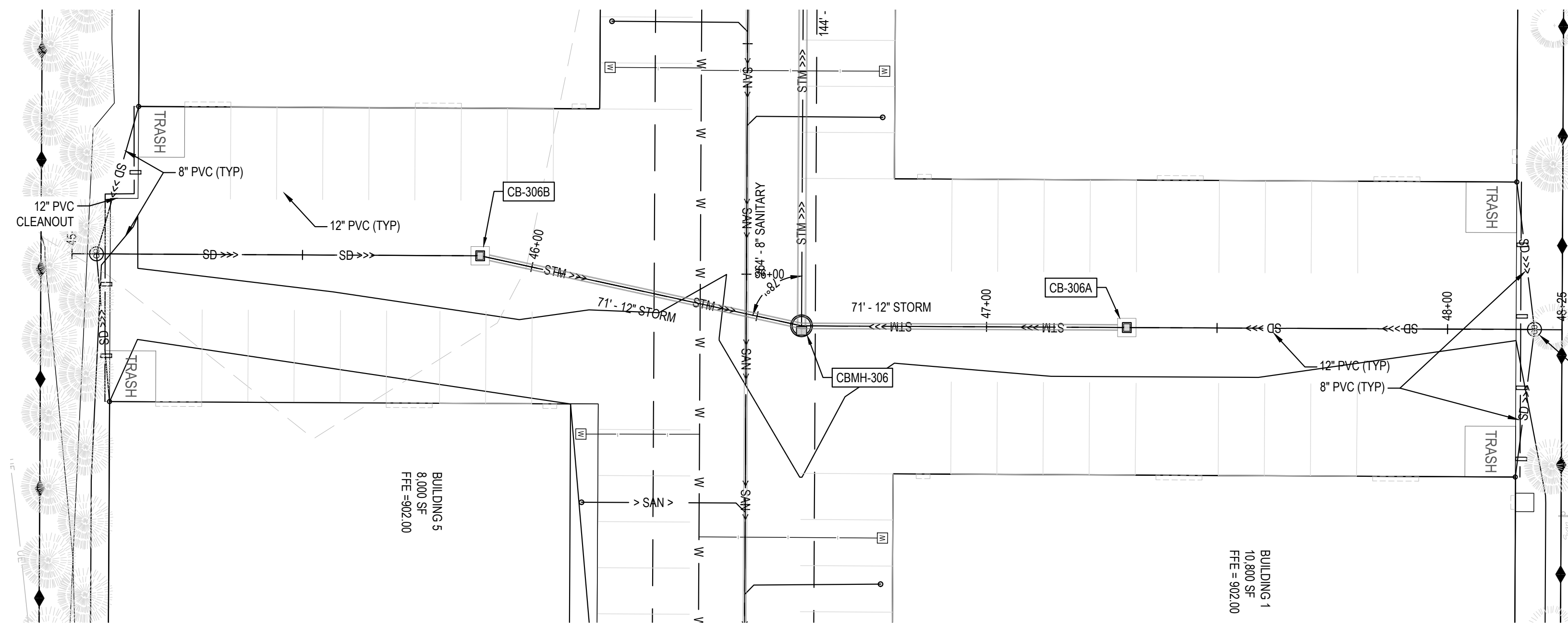
UTILITY PLAN & PROFILE

C301

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- NOTES:**
- COORDINATE WITH CITY PUBLIC WORKS PRIOR TO CONNECTING TO EXISTING PUBLIC UTILITIES.
 - WATER SERVICES TO MAINTAIN 7.5' OF COVER.
 - MAINTAIN 10' OF SEPARATION FROM WATER SERVICE MAIN LINE FROM SANITARY AND STORM SEWER.
 - INSULATE BETWEEN WATERMAIN AND ANY SERVICES THAT ARE WITHIN 18" OF STORM OR SANITARY CROSSINGS.



Revisions:

No.	Description

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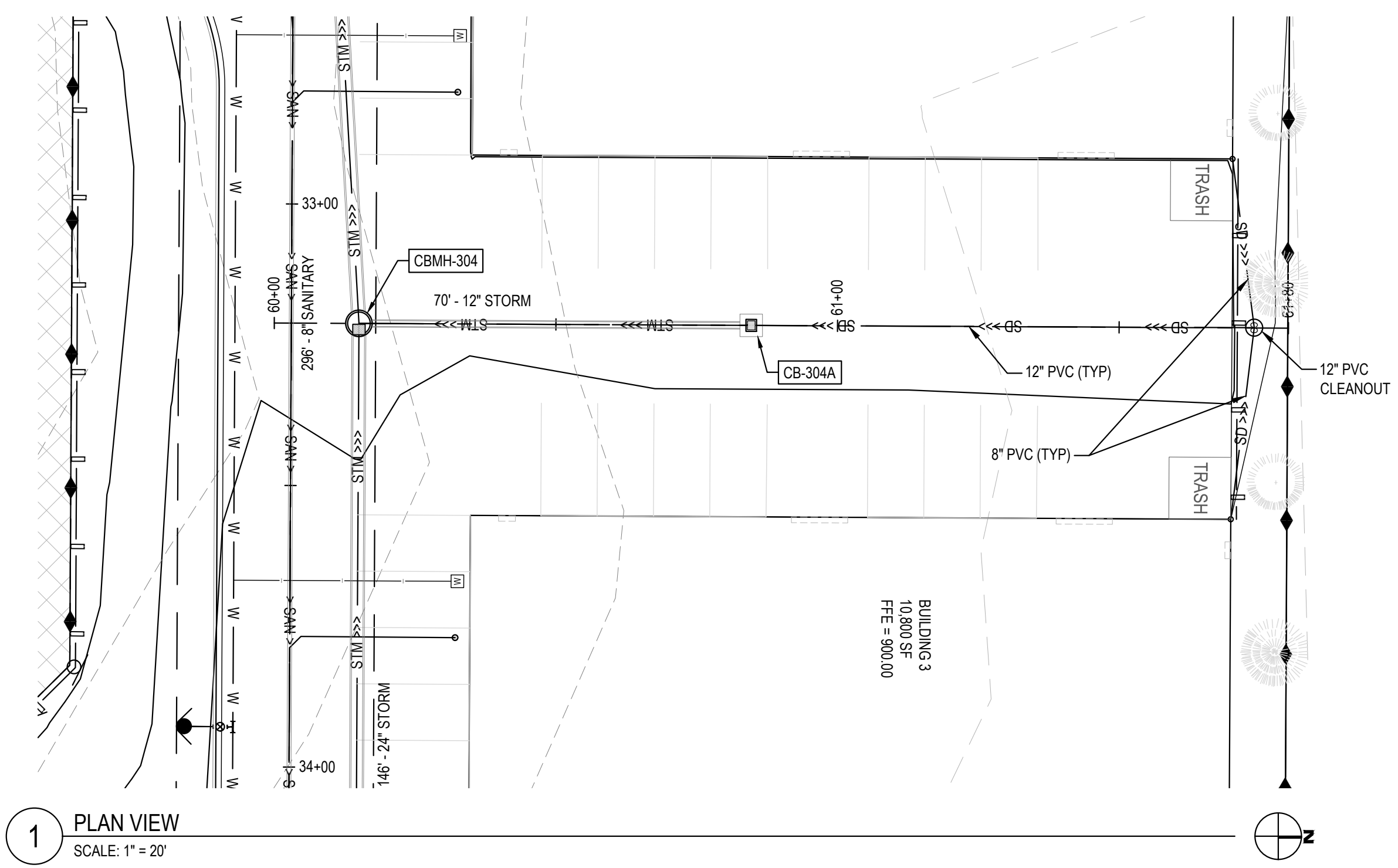
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MARCUS R. LEE, P.E.

COLUMBUS INDUSTRIAL PARK
WEST FREEWAY DR. NE
COLUMBUS, MN 55038
ENGINEERING PLAN
Issue Date: 08/15/2023

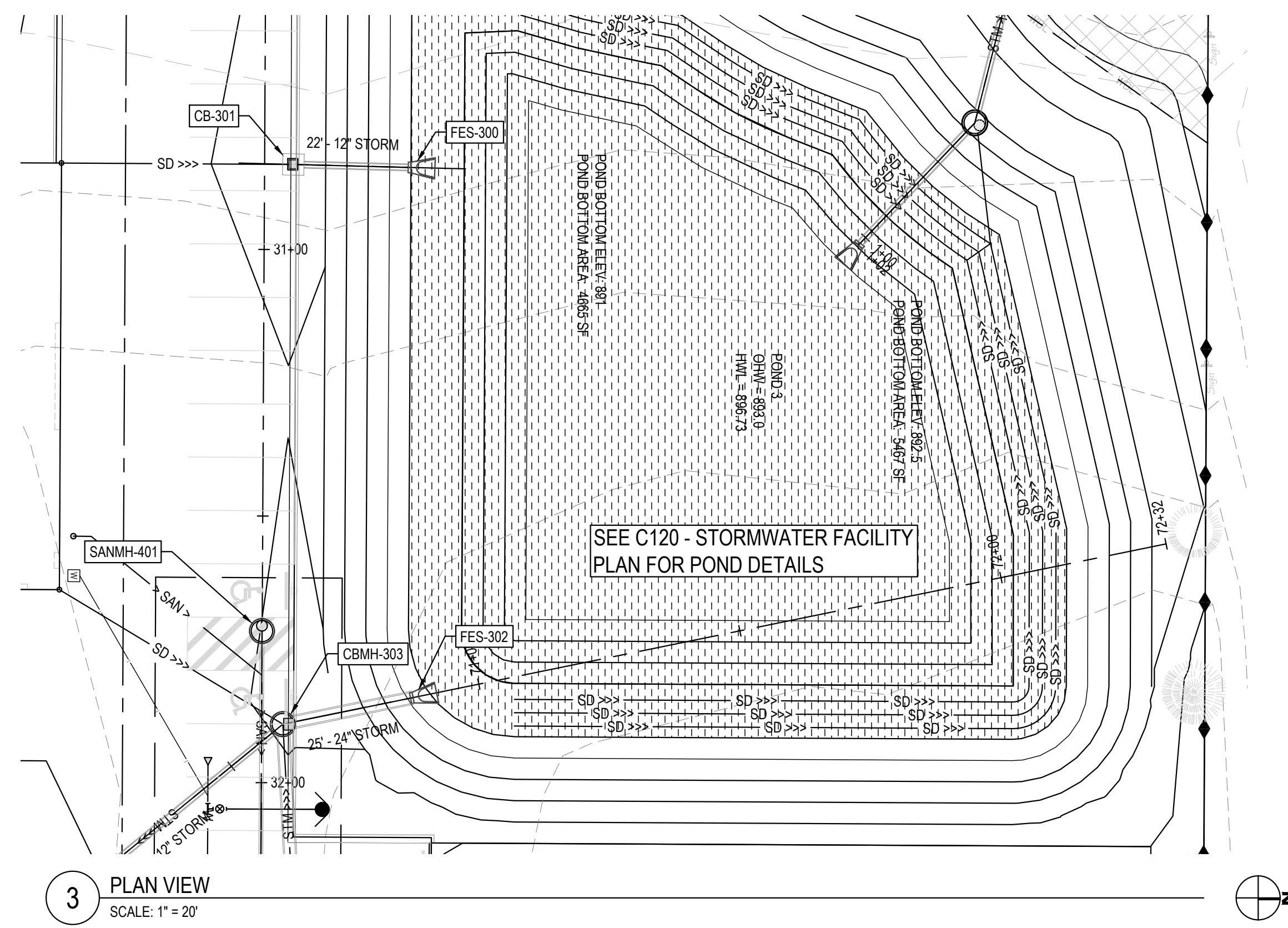
Project Manager MRL
Drawn by CKJ
Checked by MRL

UTILITY PLAN & PROFILE
C302

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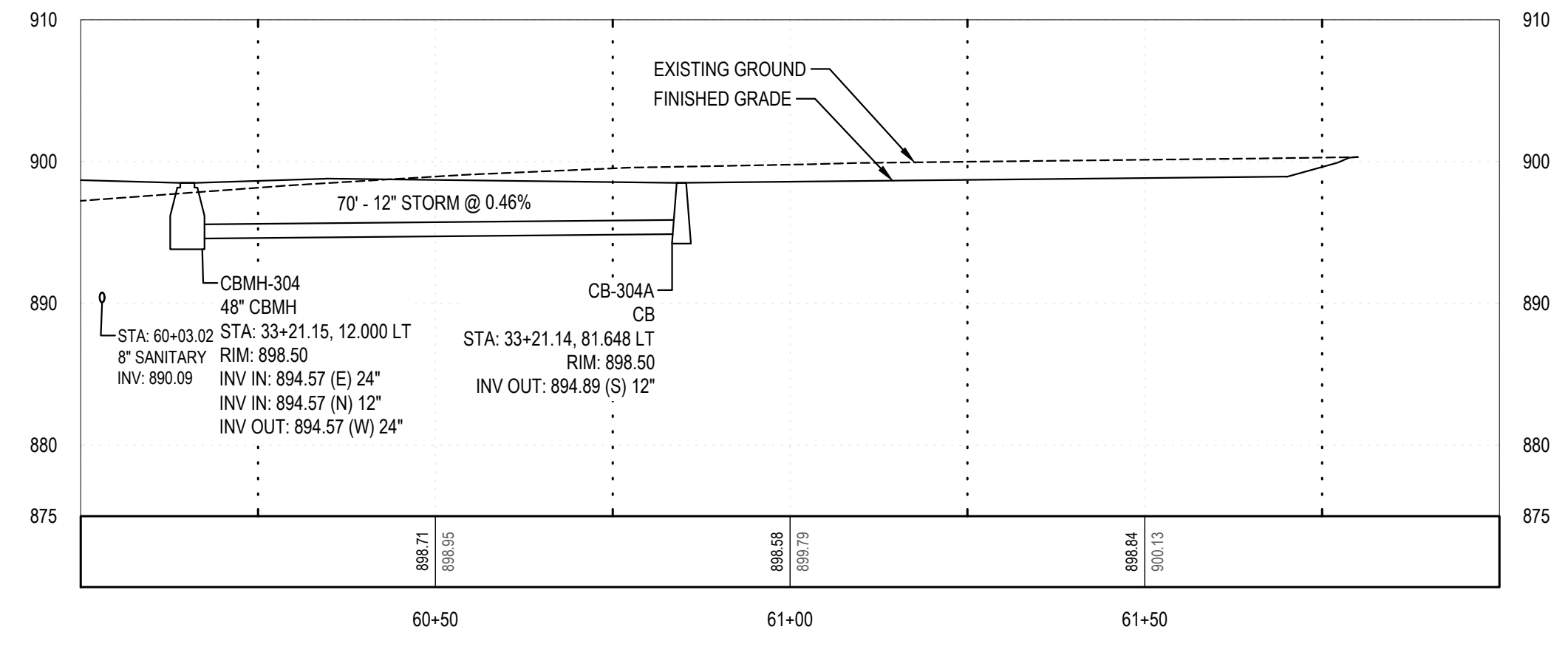
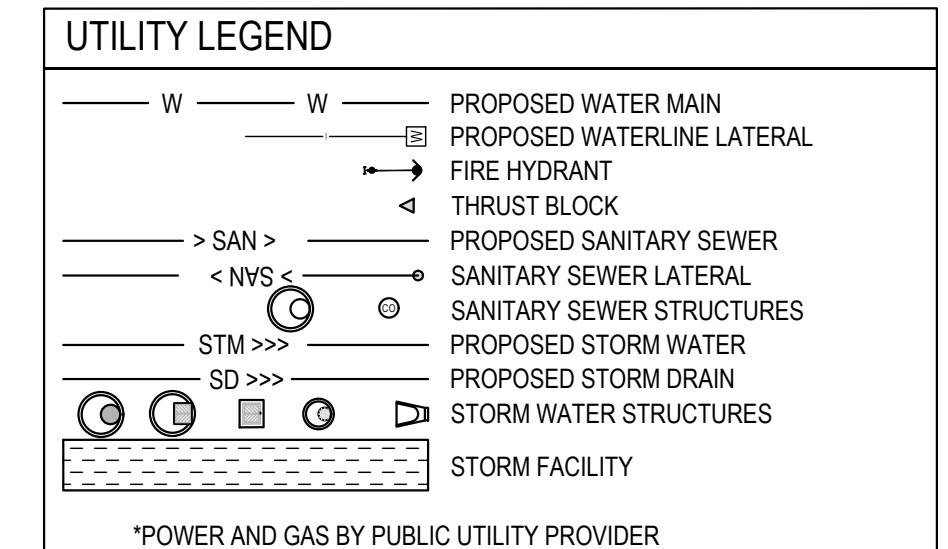


1 PLAN VIEW
SCALE: 1" = 20'

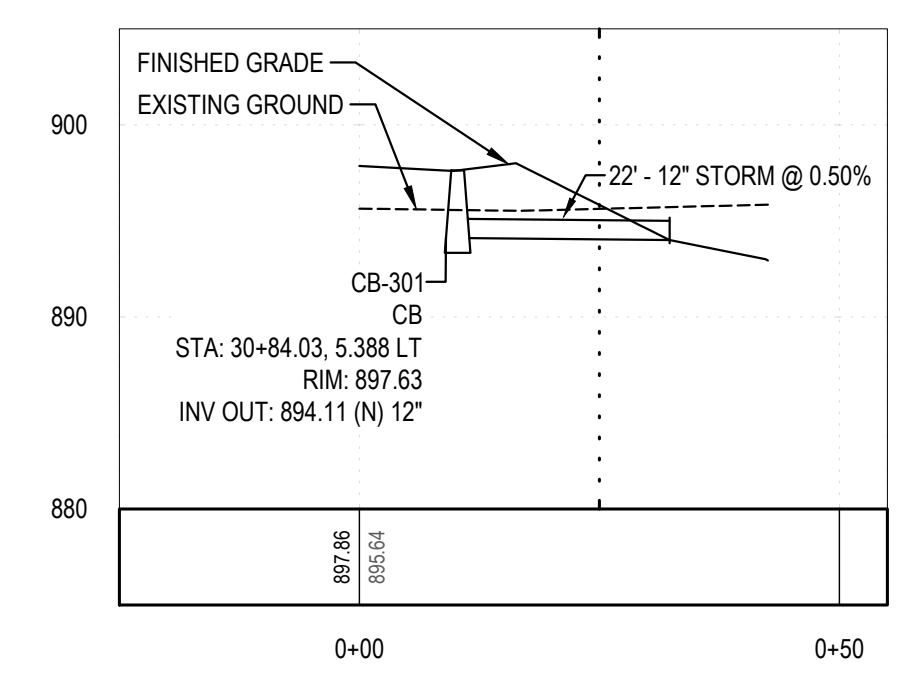


3 PLAN VIEW
SCALE: 1" = 20'

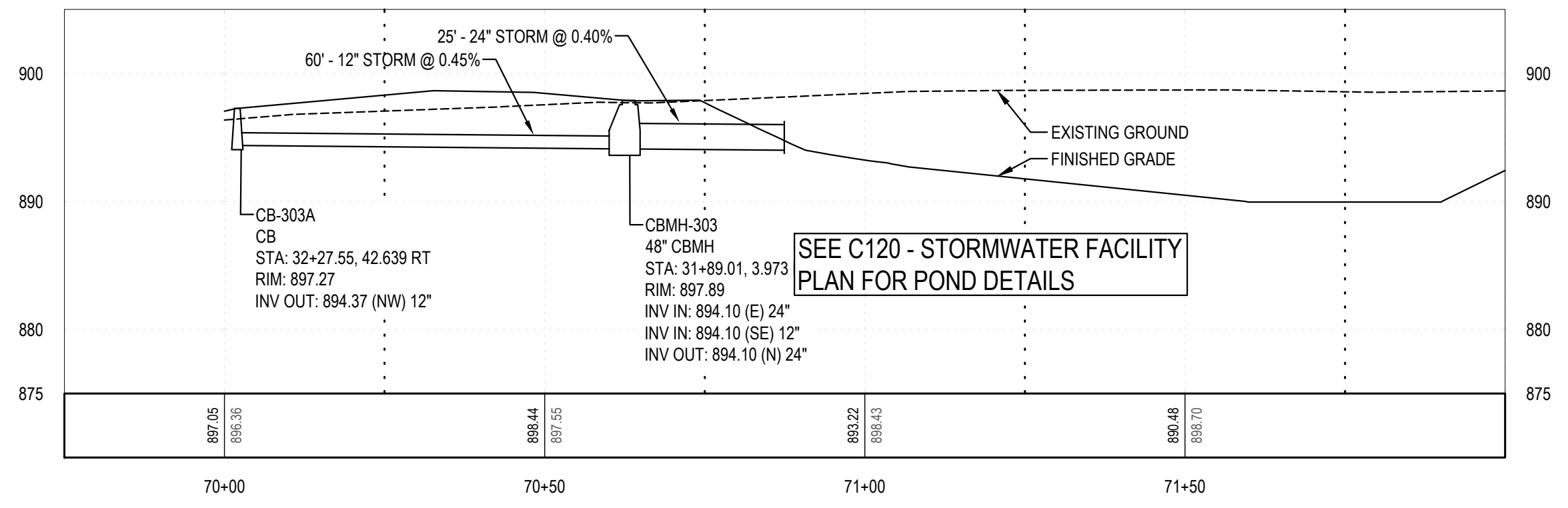
- NOTES:**
- COORDINATE WITH CITY PUBLIC WORKS PRIOR TO CONNECTING TO EXISTING PUBLIC UTILITIES.
 - WATER SERVICES TO MAINTAIN 7.5' OF COVER.
 - MAINTAIN 10' OF SEPARATION FROM WATER SERVICE MAIN LINE FROM SANITARY AND STORM SEWER.
 - INSULATE BETWEEN WATERMAIN AND ANY SERVICES THAT ARE WITHIN 18" OF STORM OR SANITARY CROSSINGS.



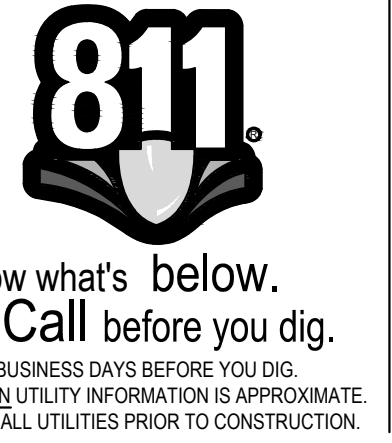
2 PROFILE VIEW
HORIZONTAL SCALE: 1" = 20' - VERTICAL SCALE: 1" = 10'



4 PROFILE VIEW
HORIZONTAL SCALE: 1" = 20' - VERTICAL SCALE: 1" = 10'



5 PROFILE VIEW
HORIZONTAL SCALE: 1" = 20' - VERTICAL SCALE: 1" = 10'



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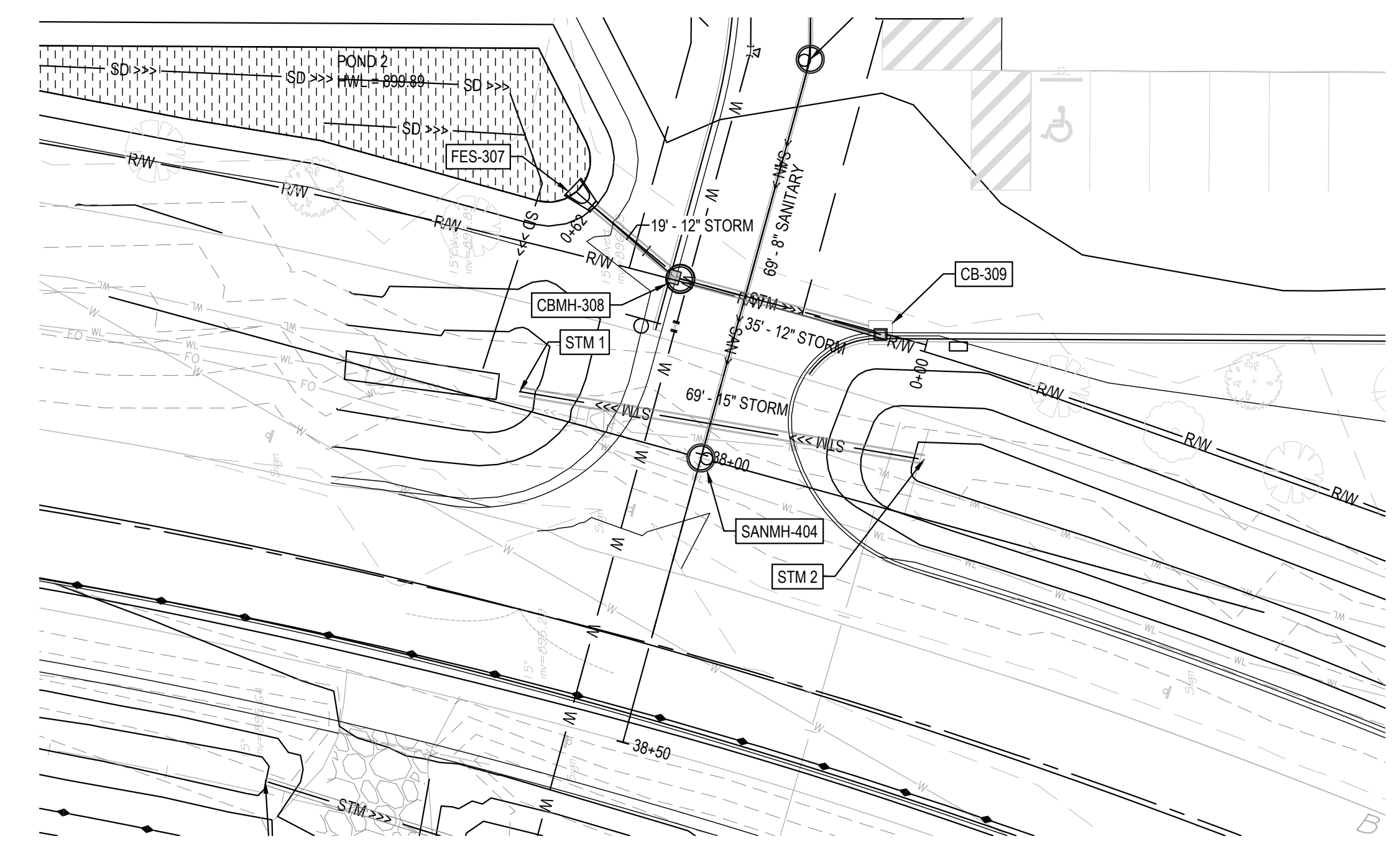
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WEST FREEWAY DR. NE
COLUMBUS, MN 55038
ENGINEERING PLAN
Issue Date: 08/15/2023

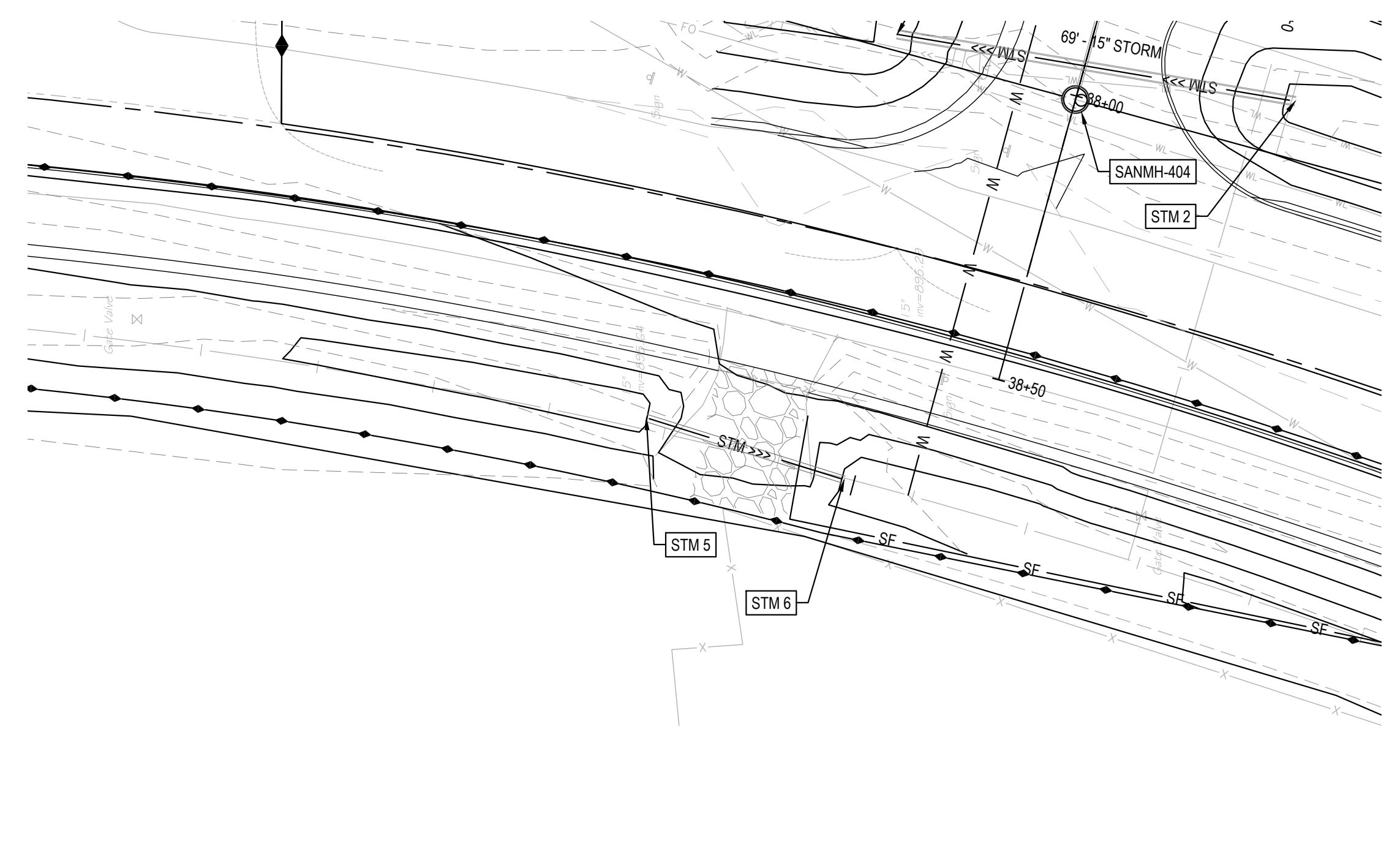
Project Manager MRL
Drawn by CKJ
Checked by MRL

UTILITY PLAN & PROFILE
C303

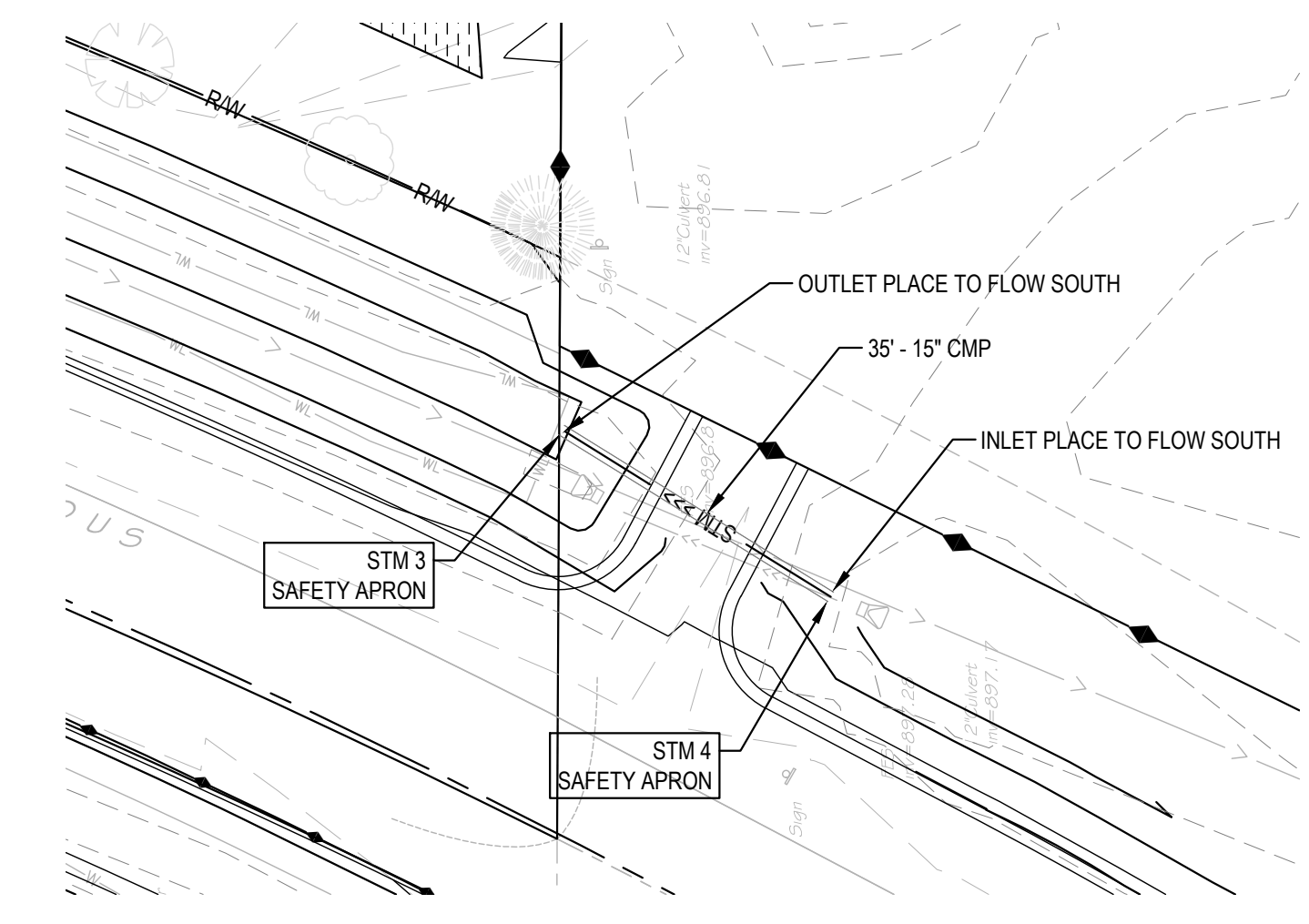
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1 PLAN VIEW
SCALE: 1" = 20'

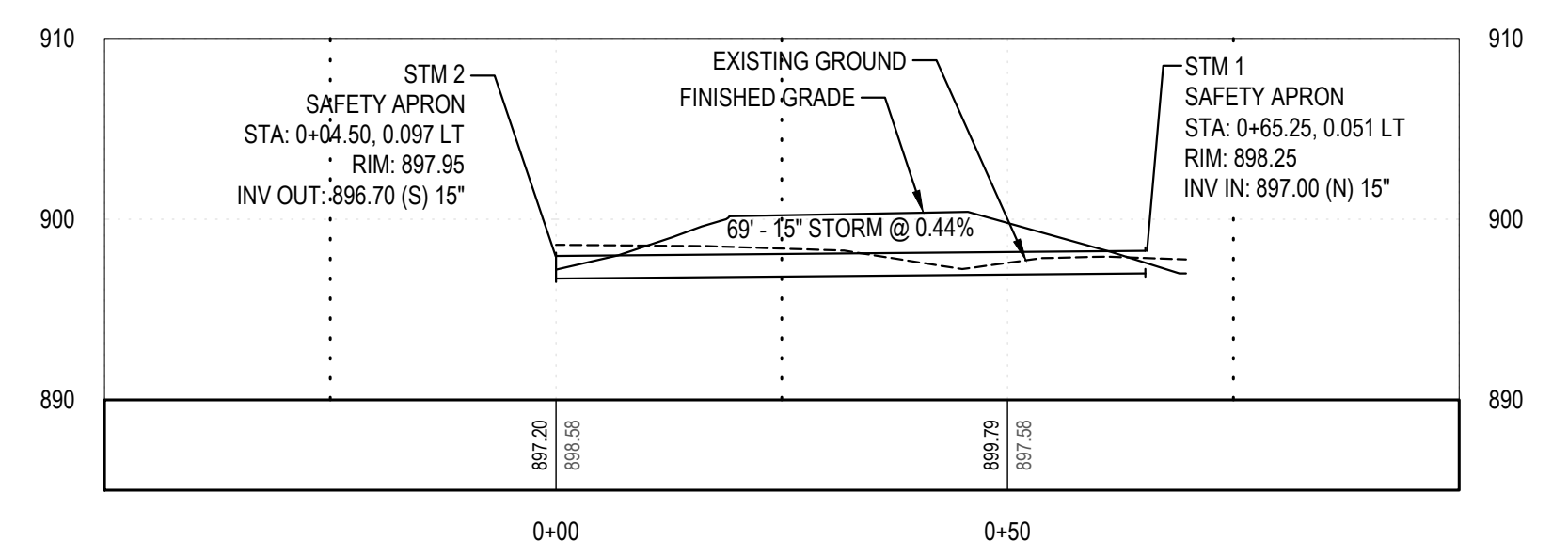
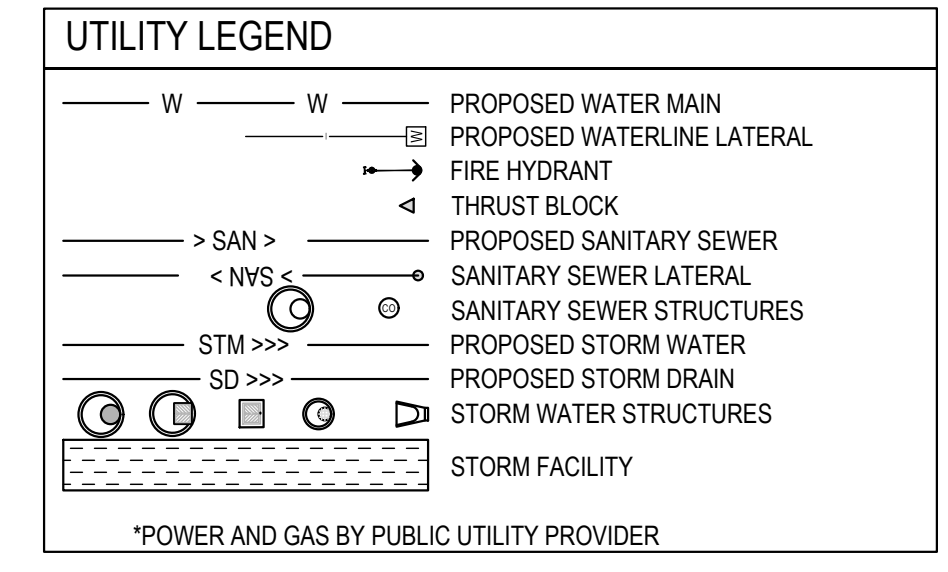


3 PLAN VIEW
SCALE: 1" = 20'

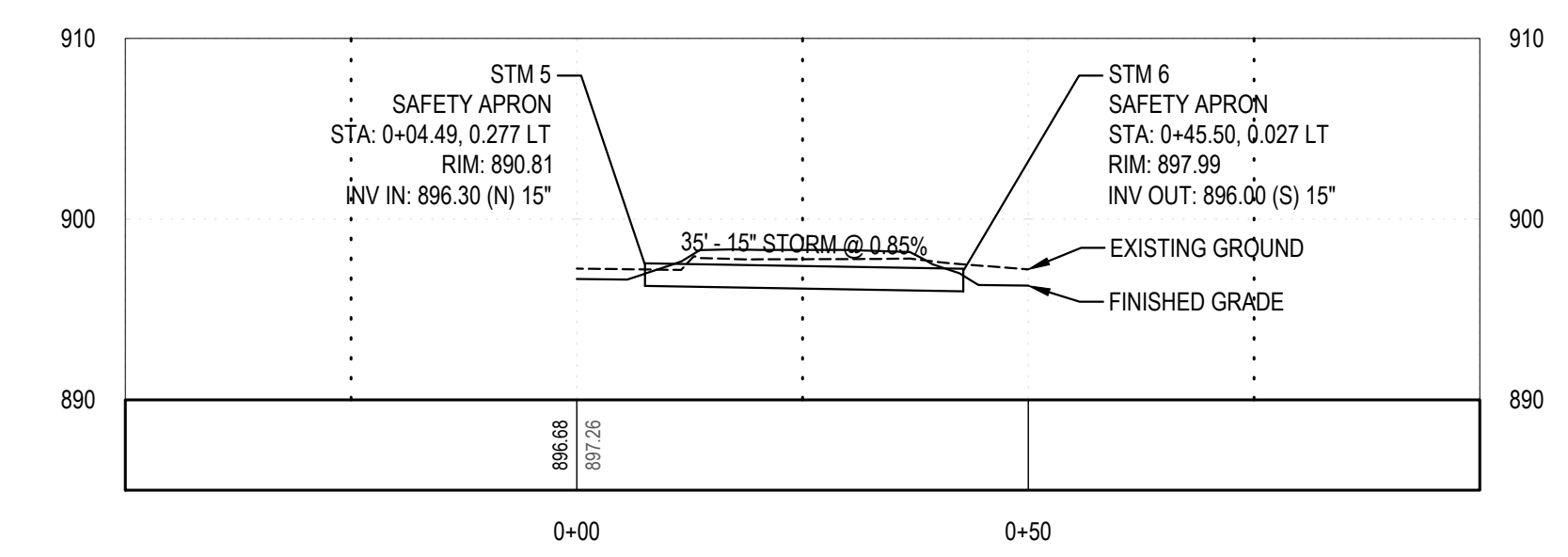


5 PLAN VIEW
SCALE: 1" = 20'

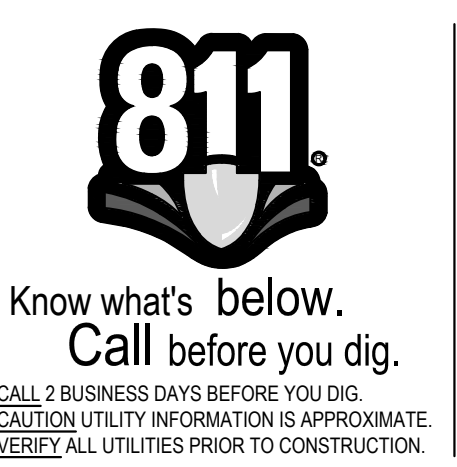
- NOTES:**
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2 PROFILE VIEW
HORIZONTAL SCALE: 1" = 20' - VERTICAL SCALE: 1" = 10'



4 PROFILE VIEW
HORIZONTAL SCALE: 1" = 20' - VERTICAL SCALE: 1" = 10'



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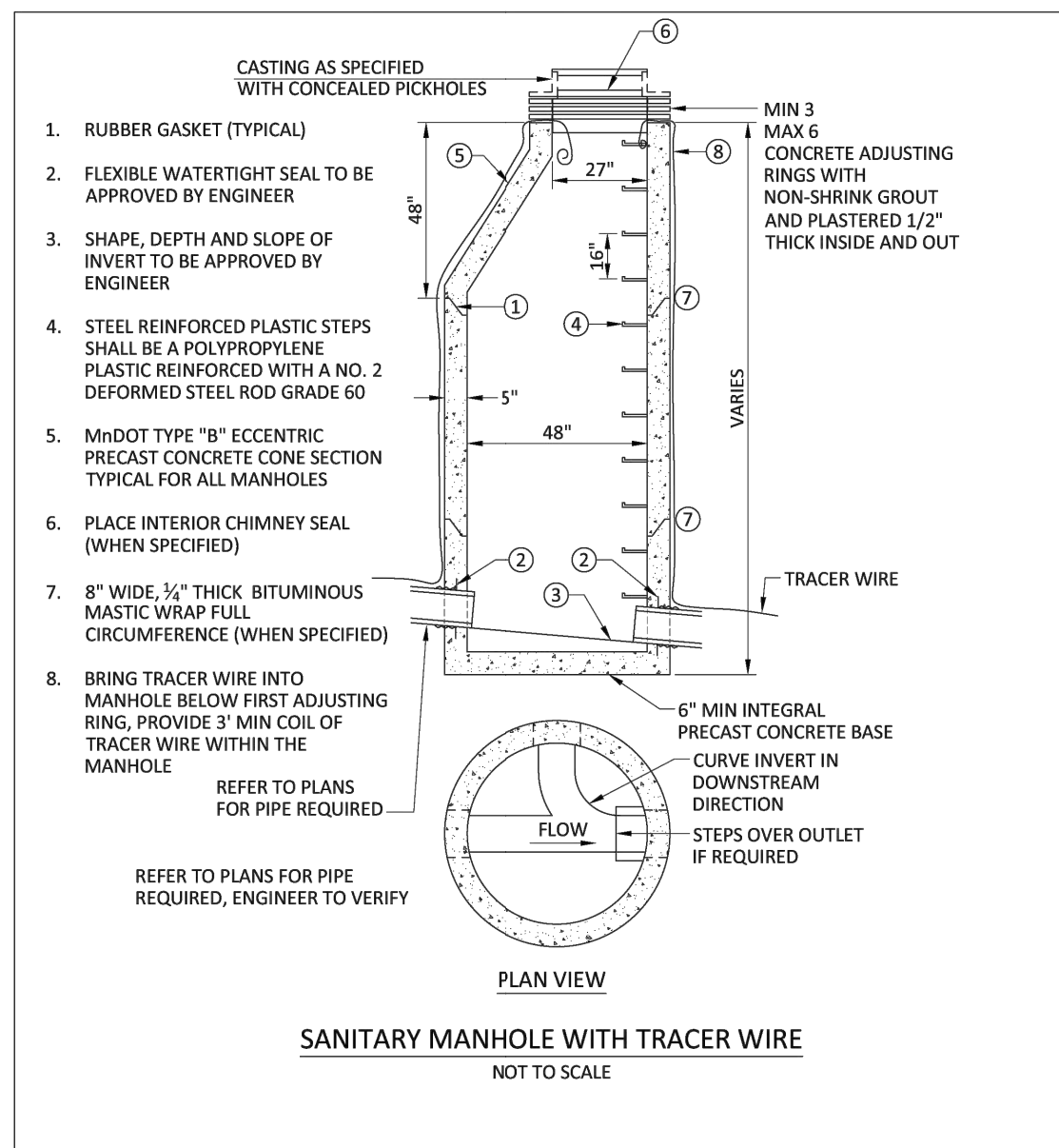
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ENGINEERING PLAN
Issue Date: 08/15/2023

Project Manager MRL
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Checked by MRL

UTILITY PLAN & PROFILE
C304

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SANITARY MANHOLE WITH TRACER WIRE DETAIL

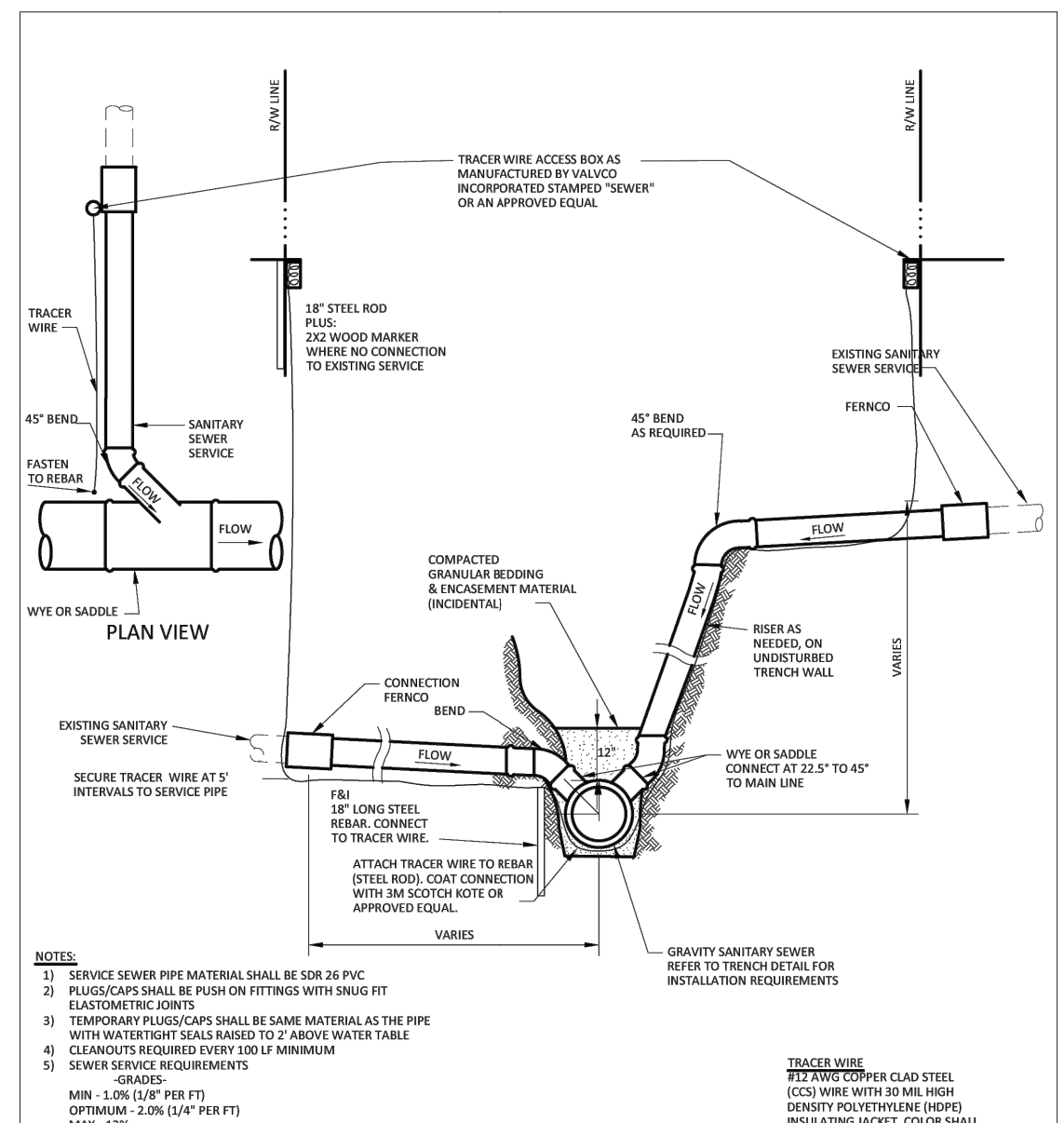
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STD. DETAIL 310A



SANITARY SEWER SERVICE AND SERVICE RISER WITH TRACER WIRE ACCESS BOX

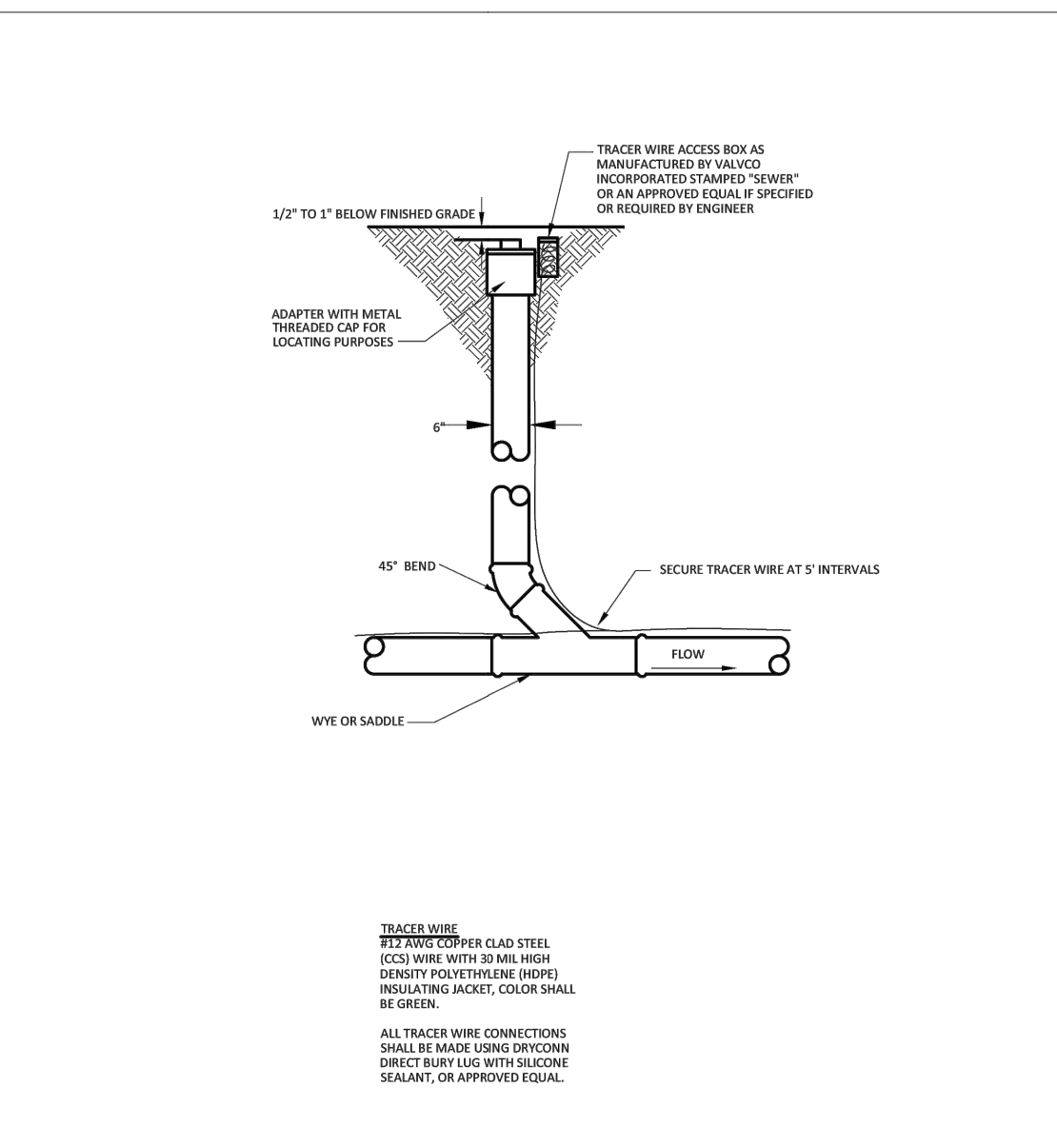
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DETAIL PLATE NO: 5-001

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STD. DETAIL 310A



SANITARY SEWER SERVICE CLEAN OUT DETAIL

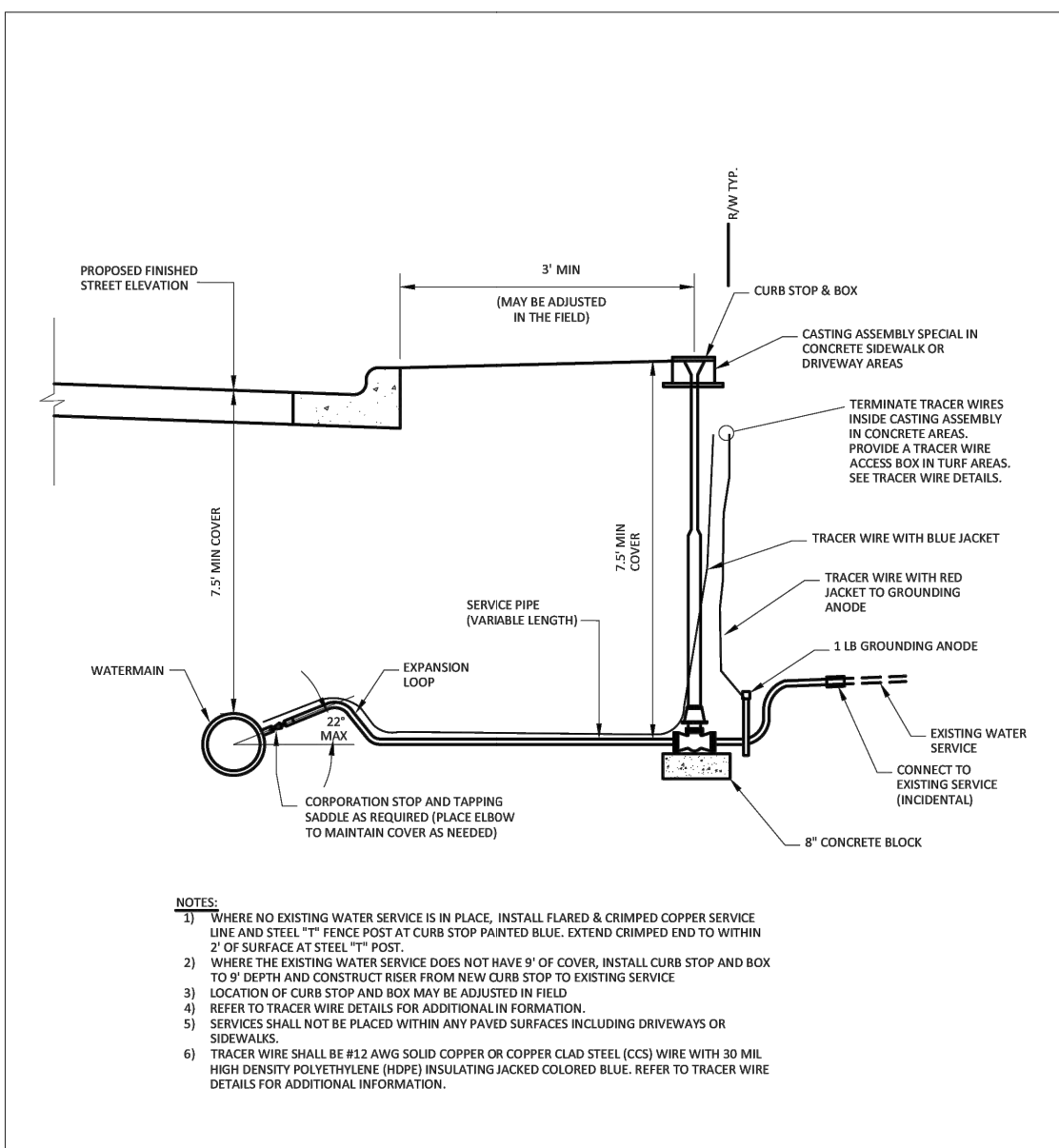
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WATER SERVICE INSTALLATION

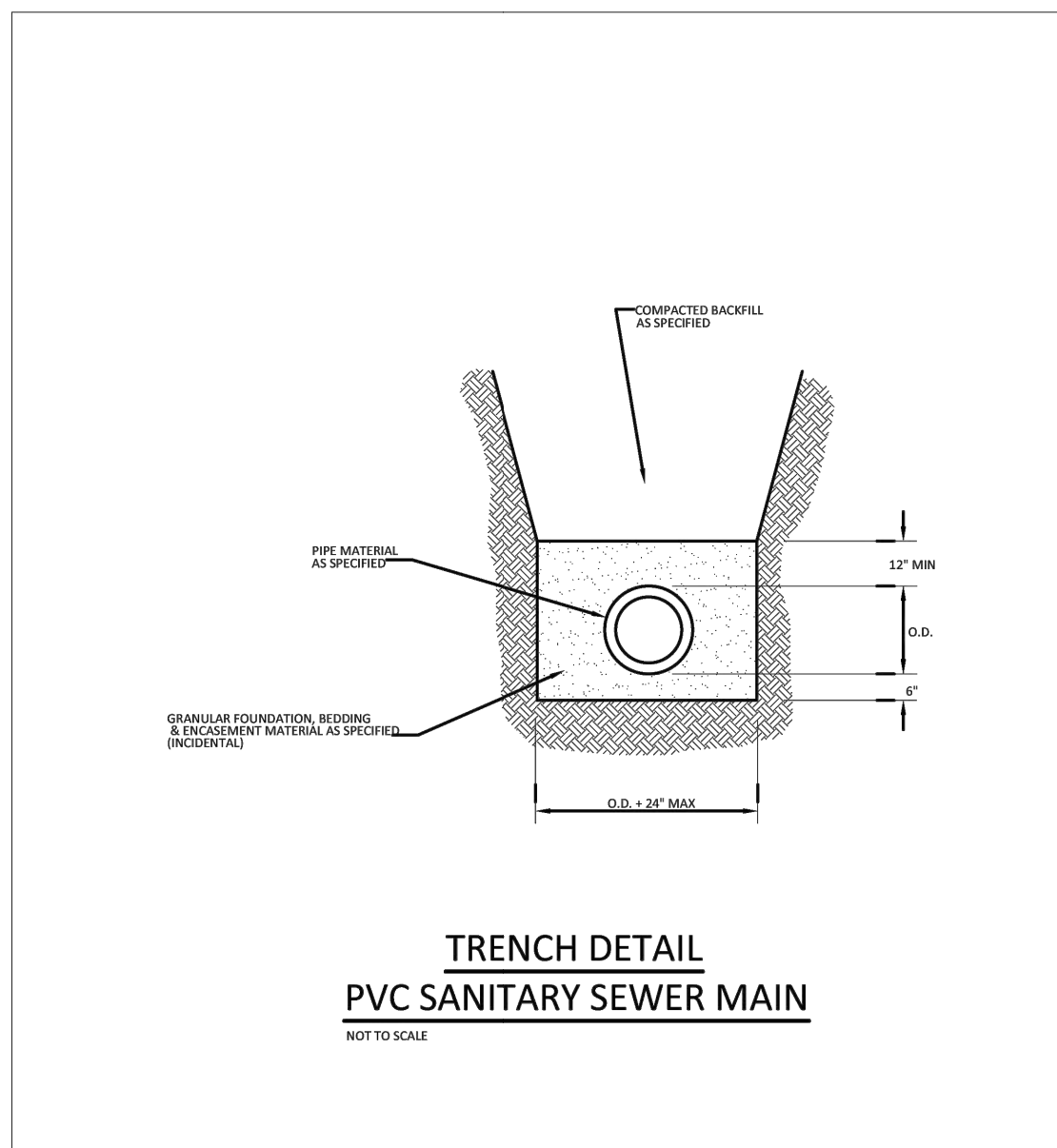
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TRENCH DETAIL PVC SANITARY SEWER MAIN

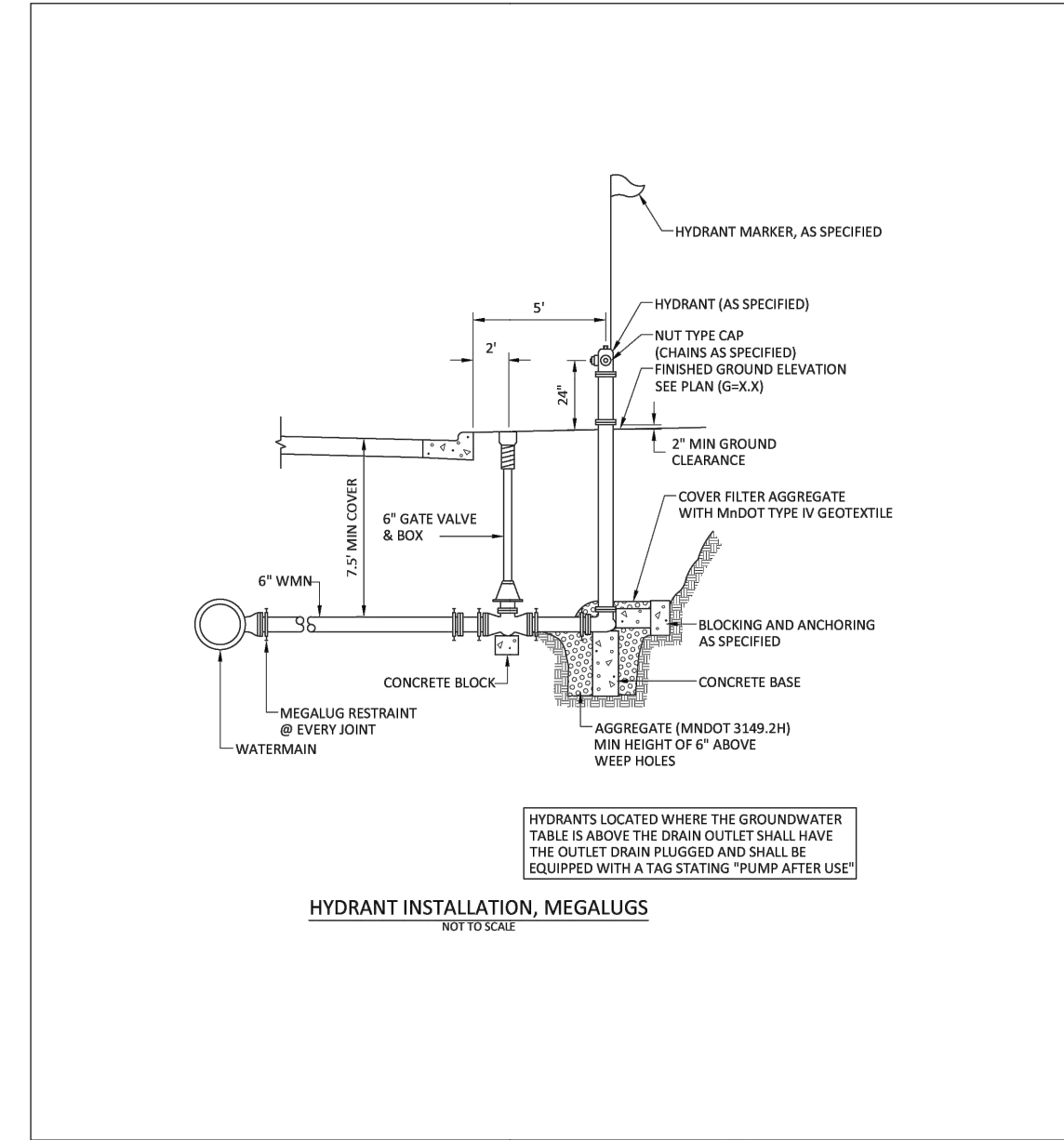
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HYDRANT INSTALLATION, MEGALUGS DETAIL

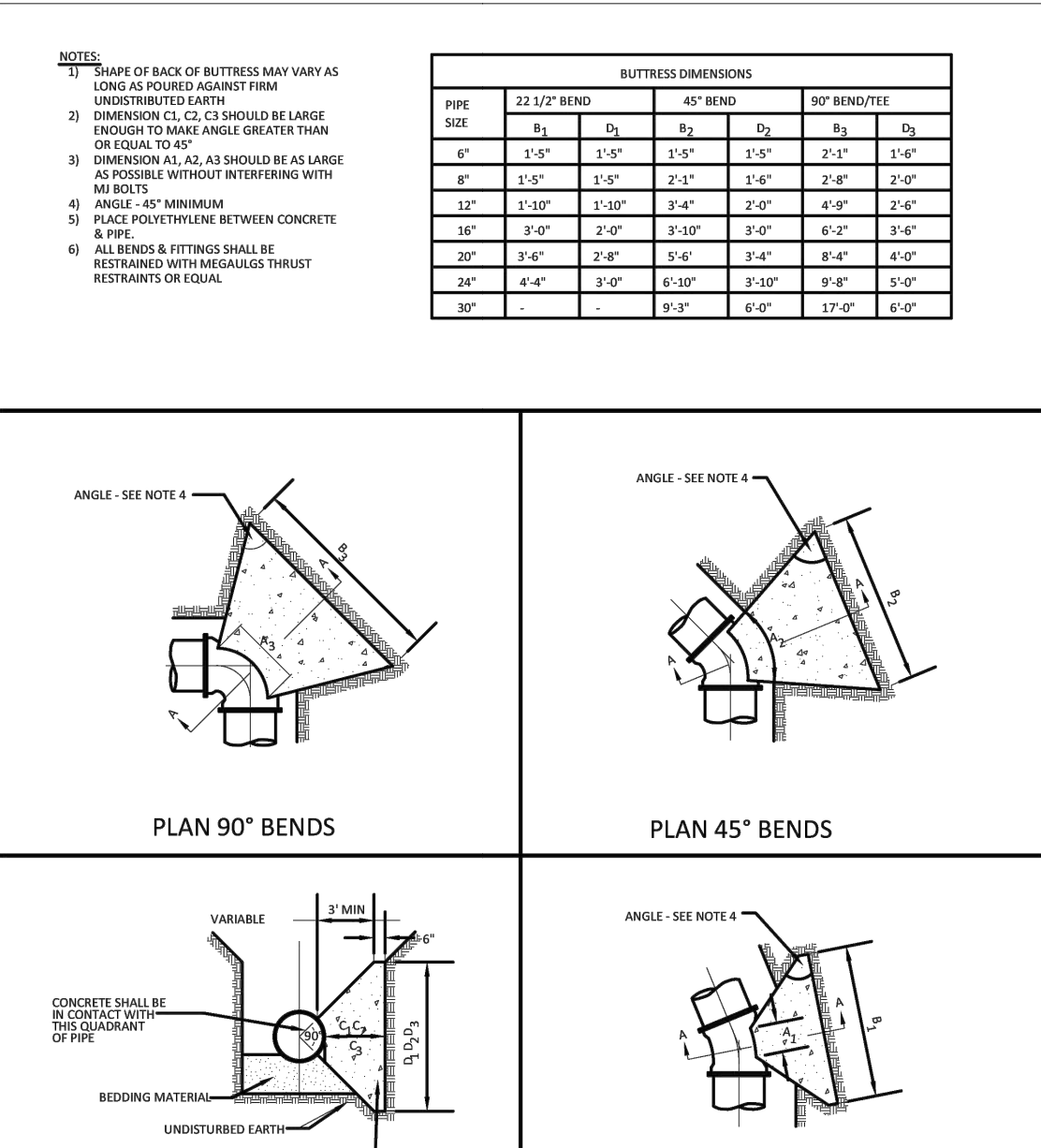
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CONCRETE THRUST BLOCKING

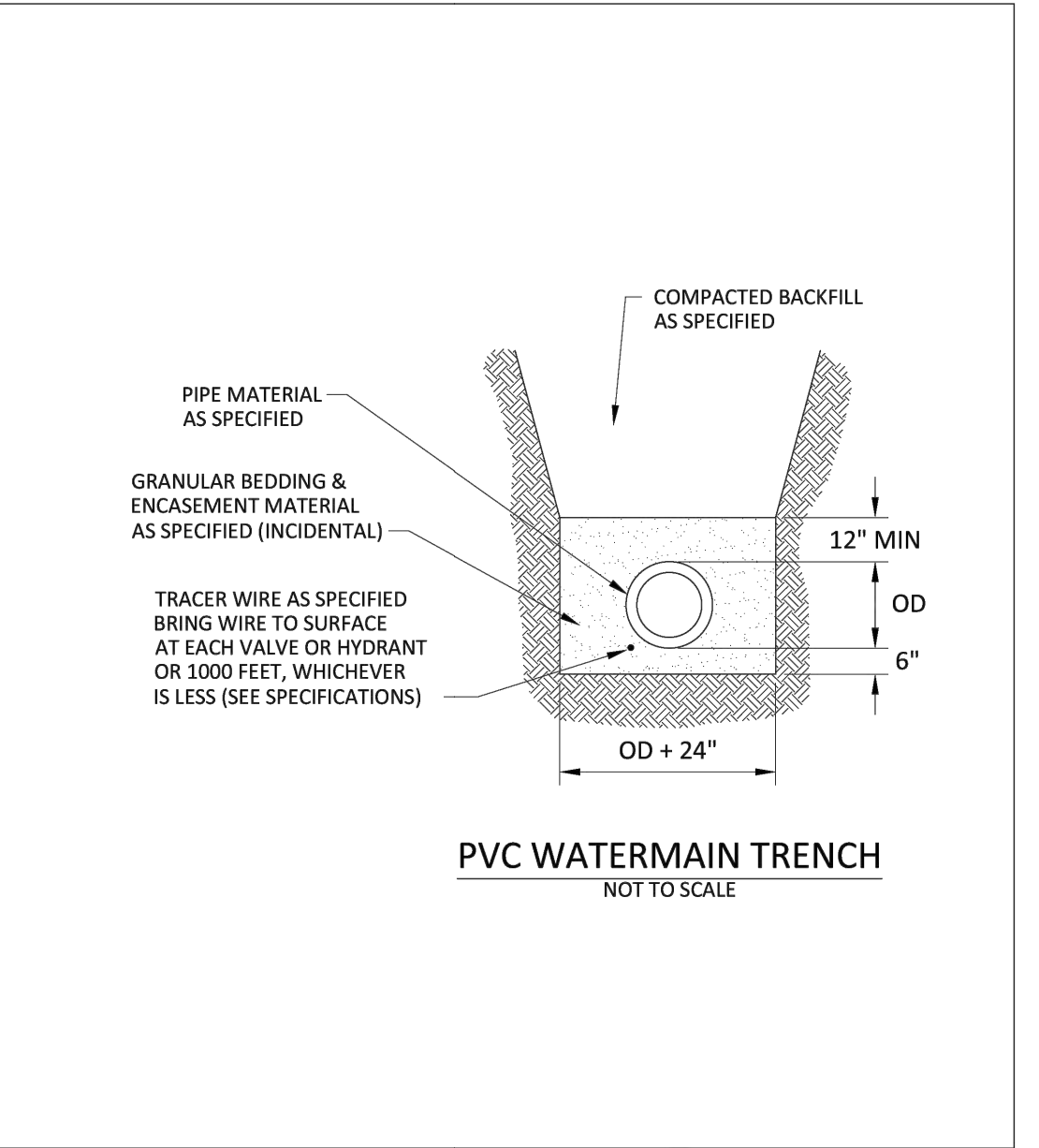
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DETAIL PLATE NO: 6-000

NOV 2022
STD. DETAIL 411



PVC WATERMAIN TRENCH DETAIL

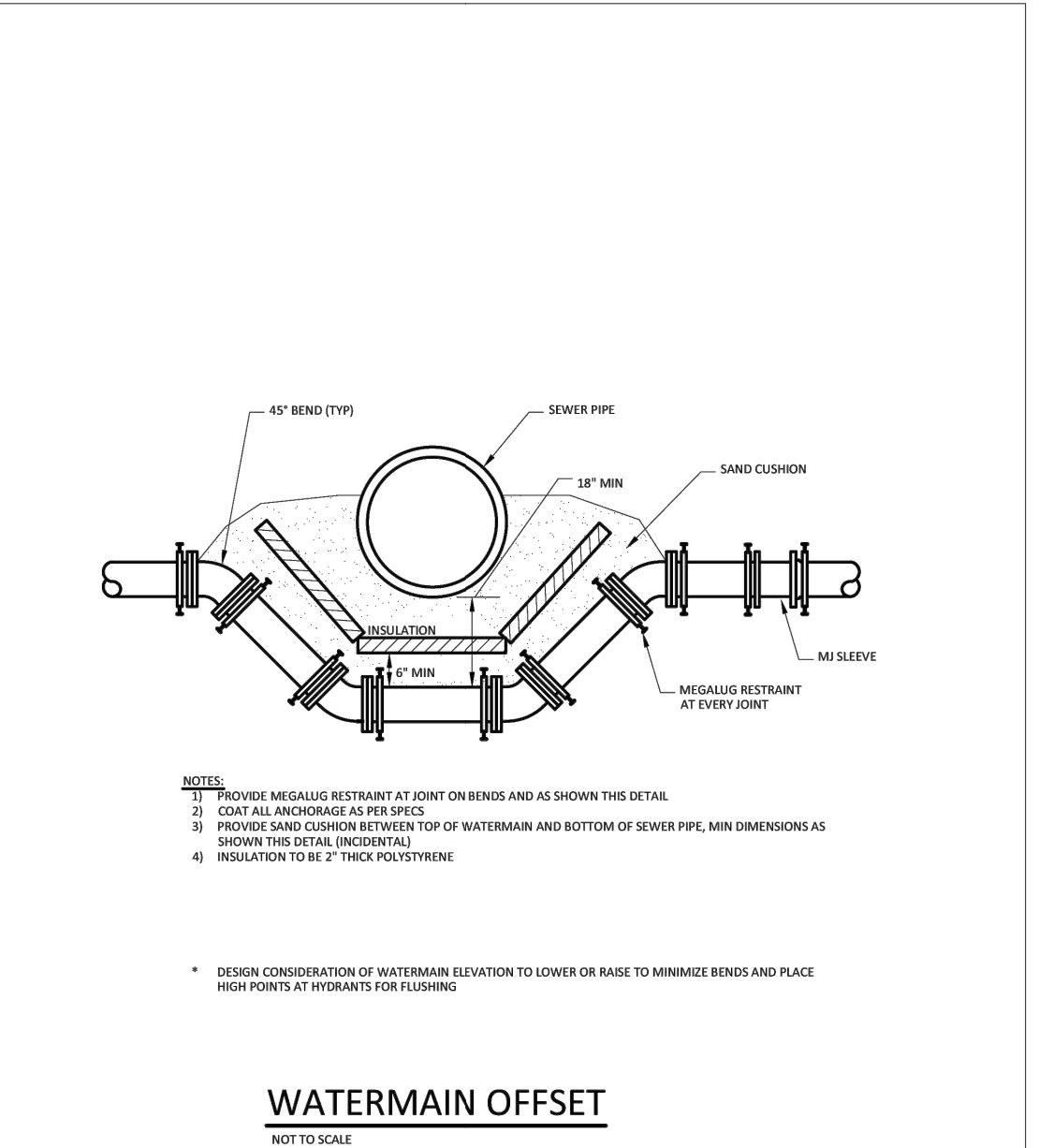
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DETAIL PLATE NO: 6-200

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STD. DETAIL 412



WATERMAIN OFFSET

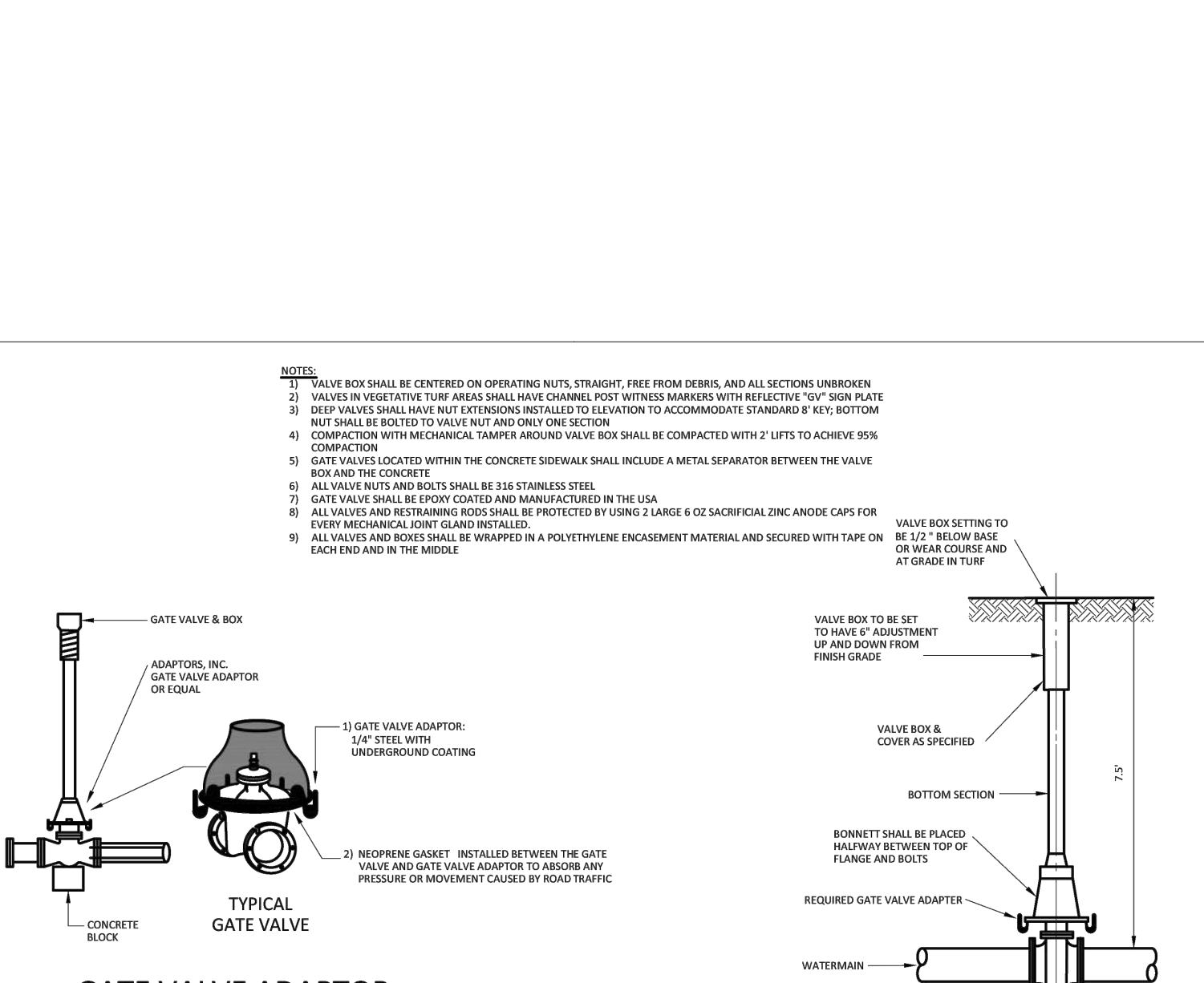
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STD. DETAIL 412



GATE VALVE ADAPTOR AND GATE VALVE BOX INSTALLATION

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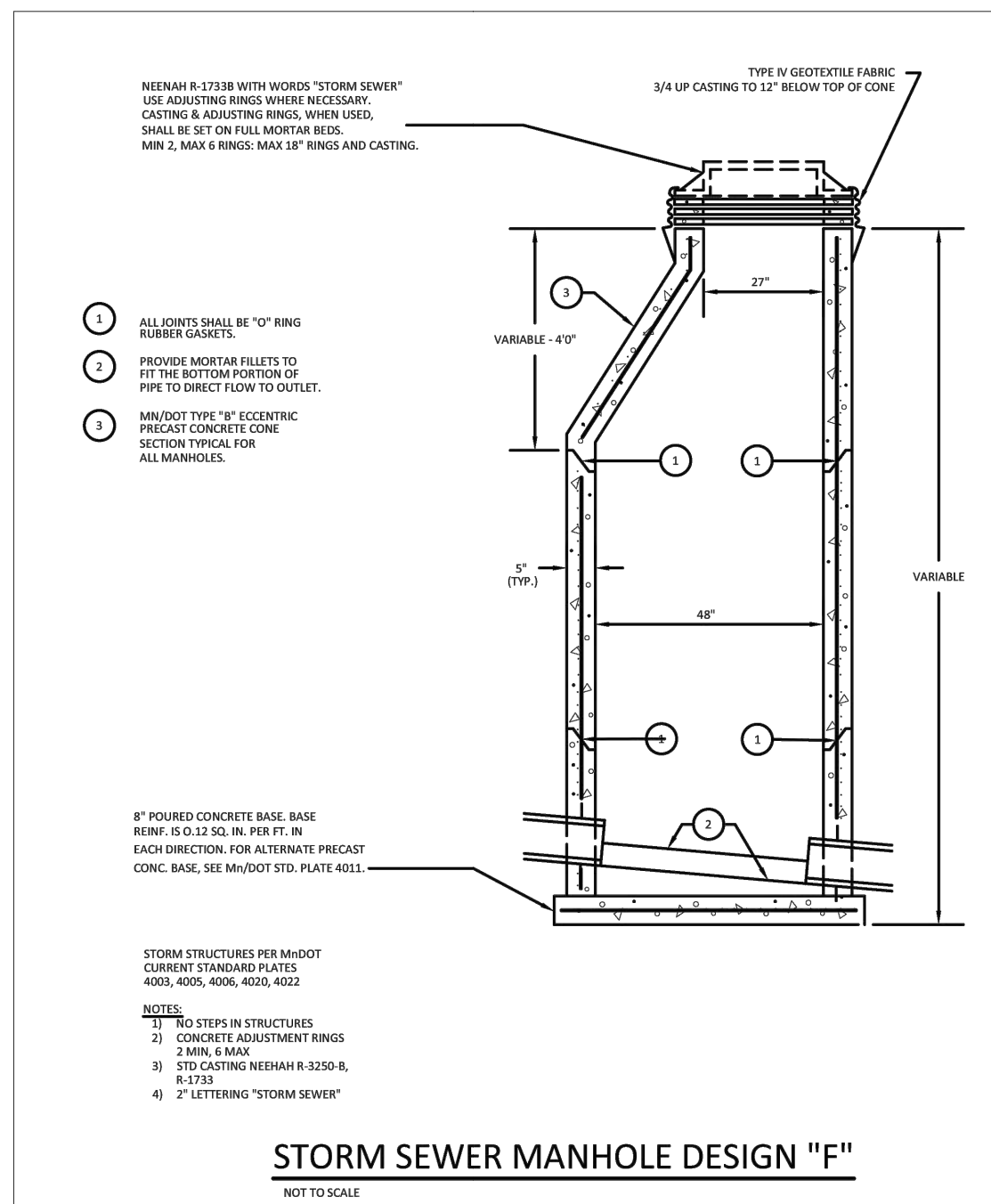
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ENGINEERING PLAN
Issue Date: 08/15/2023

UTILITY DETAILS

Project Manager **MRL**
Drawn by **CKJ**
Checked by **MRL**

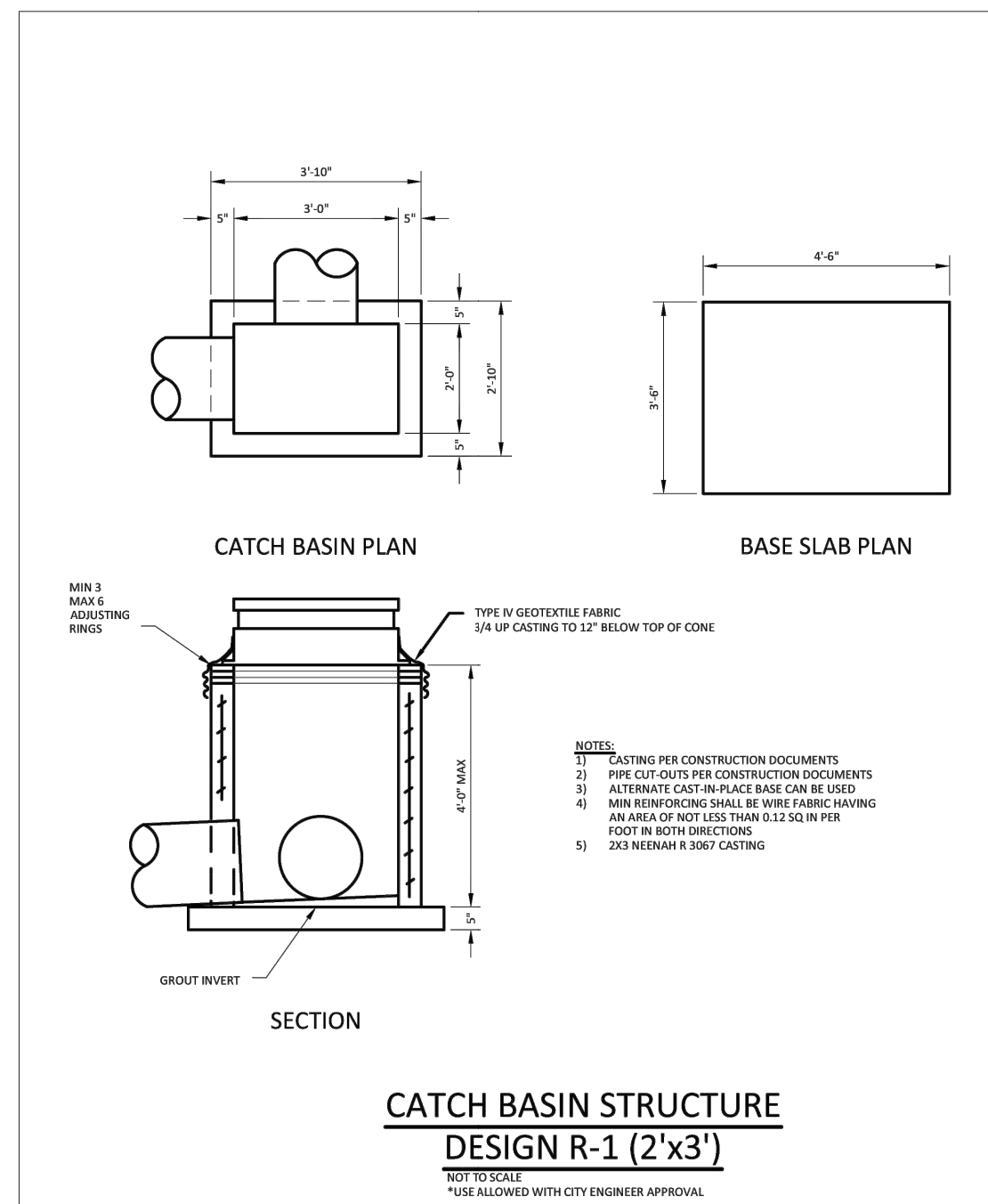
C390



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Email: bolton@bolton-menk.com
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STORM SEWER MANHOLE DESIGN "F"

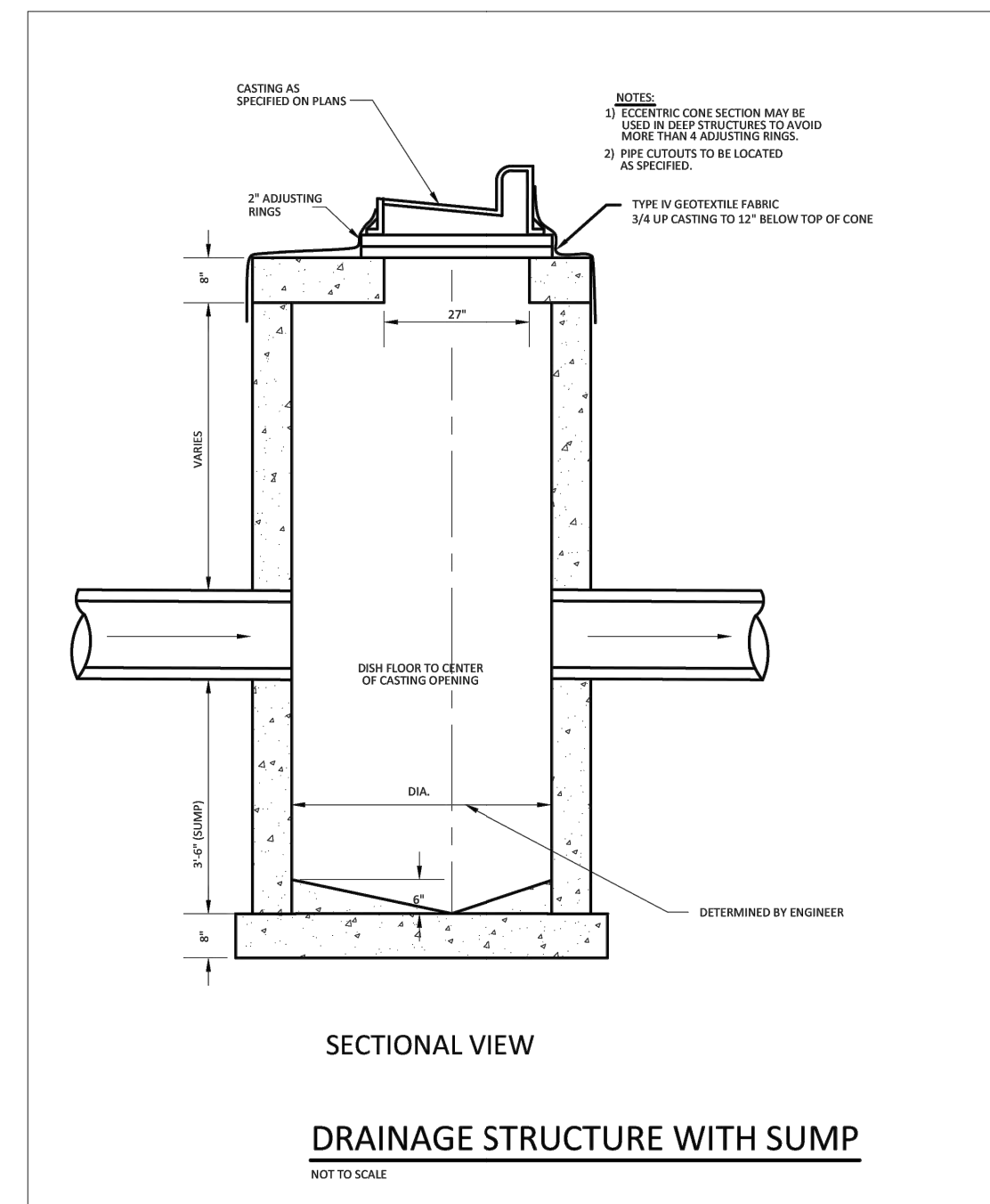
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CATCH BASIN STRUCTURE DESIGN R-1 (2'X3')

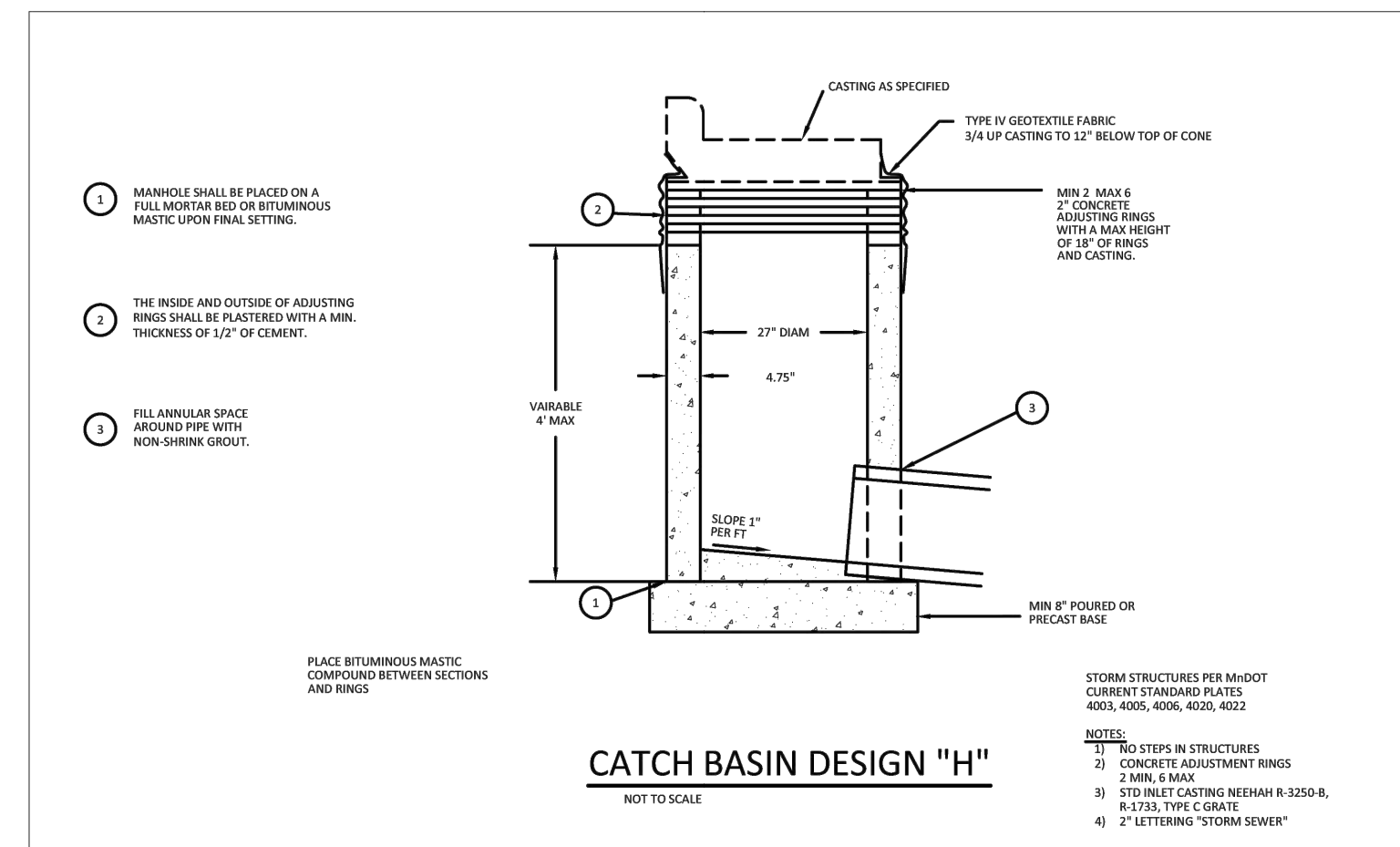
NOV 2022
STD. DETAIL
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DRAINAGE STRUCTURE WITH SUMP

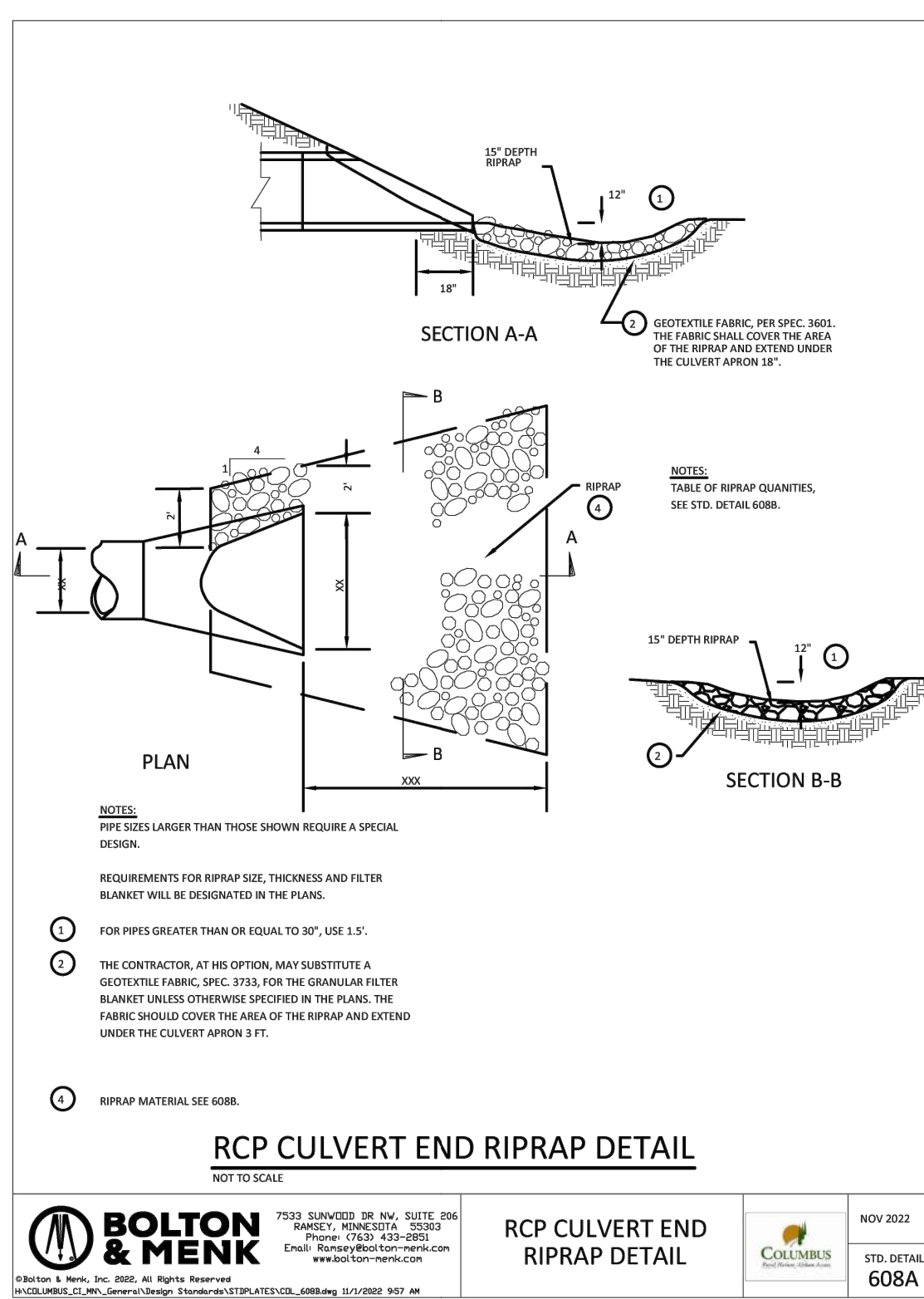
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STD. DETAIL
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CATCH BASIN DESIGN "H"

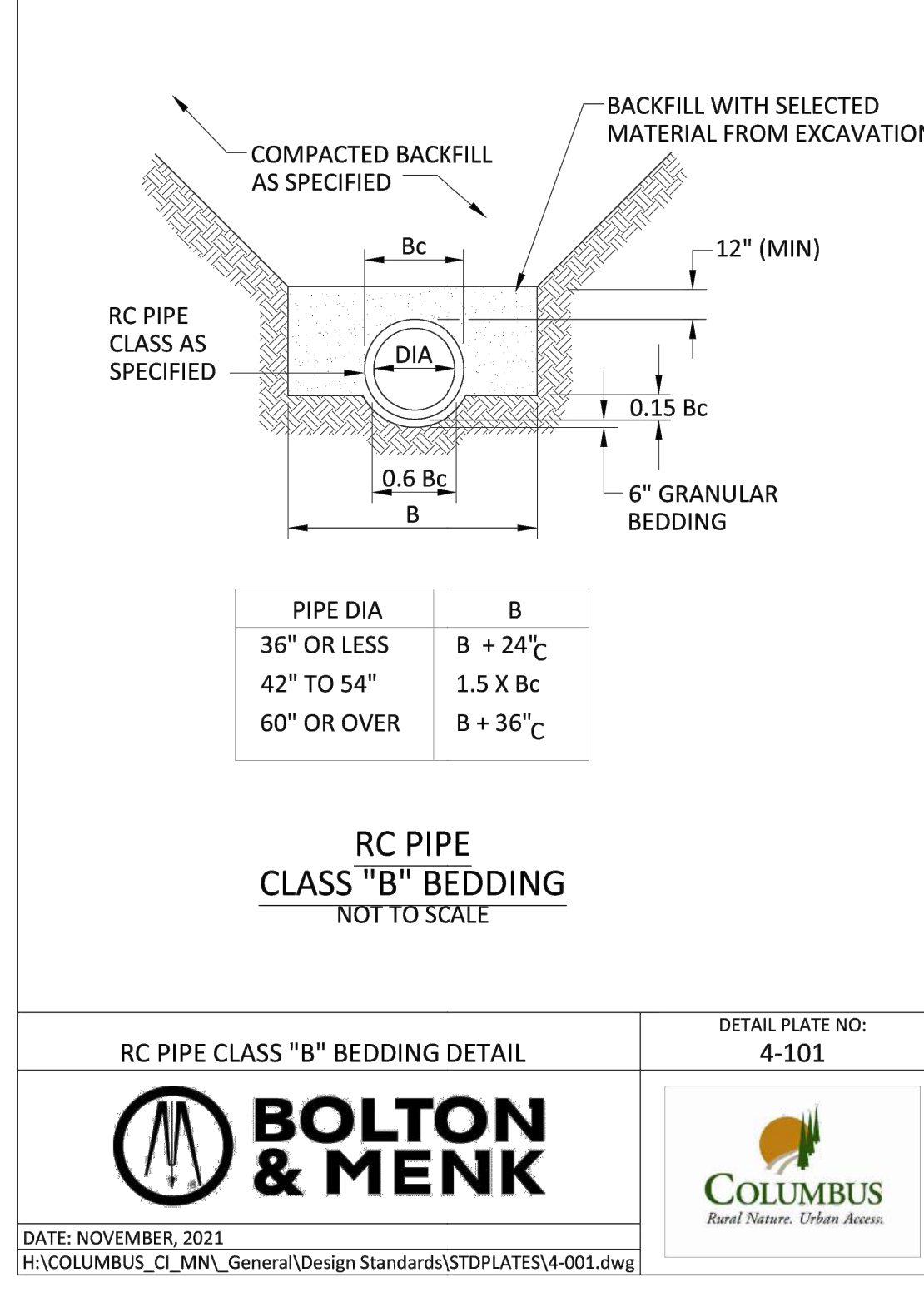
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RCP CULVERT END RIPRAP DETAIL

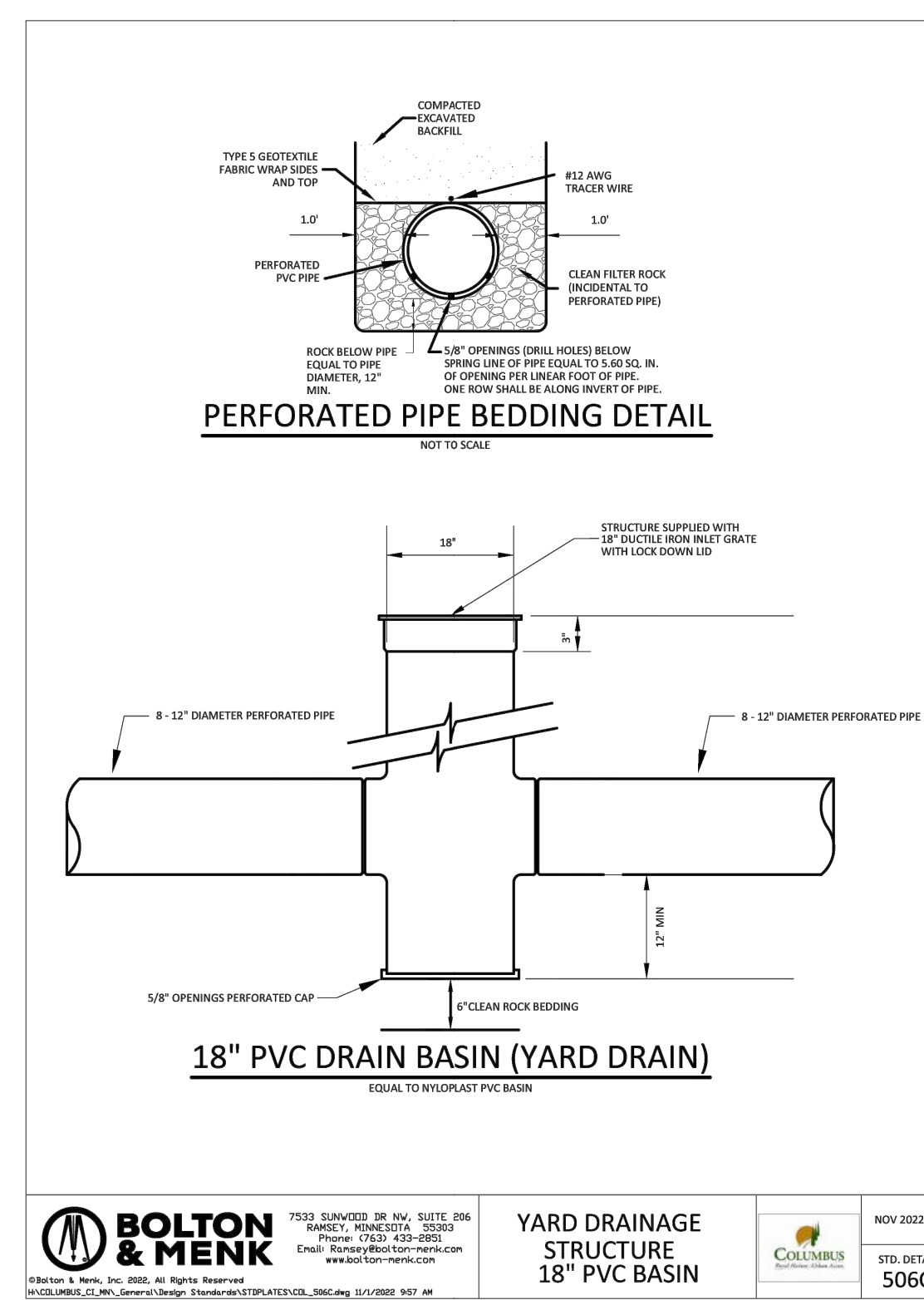
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STD. DETAIL
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RC PIPE CLASS "B" BEDDING DETAIL

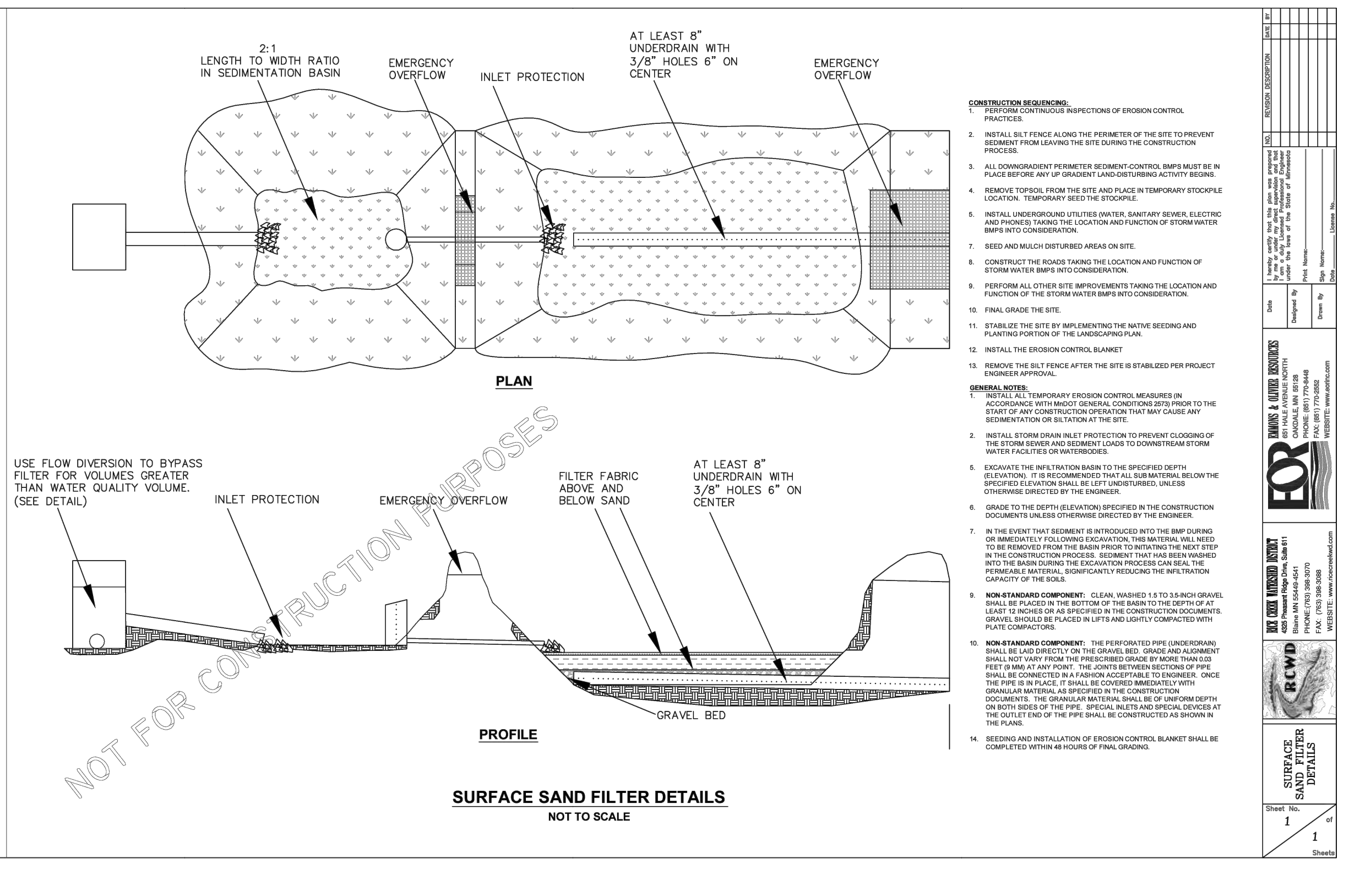
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4-101



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YARD DRAINAGE STRUCTURE 18" PVC BASIN

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STD. DETAIL
506C



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SURFACE SAND FILTER DETAILS

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506C

811
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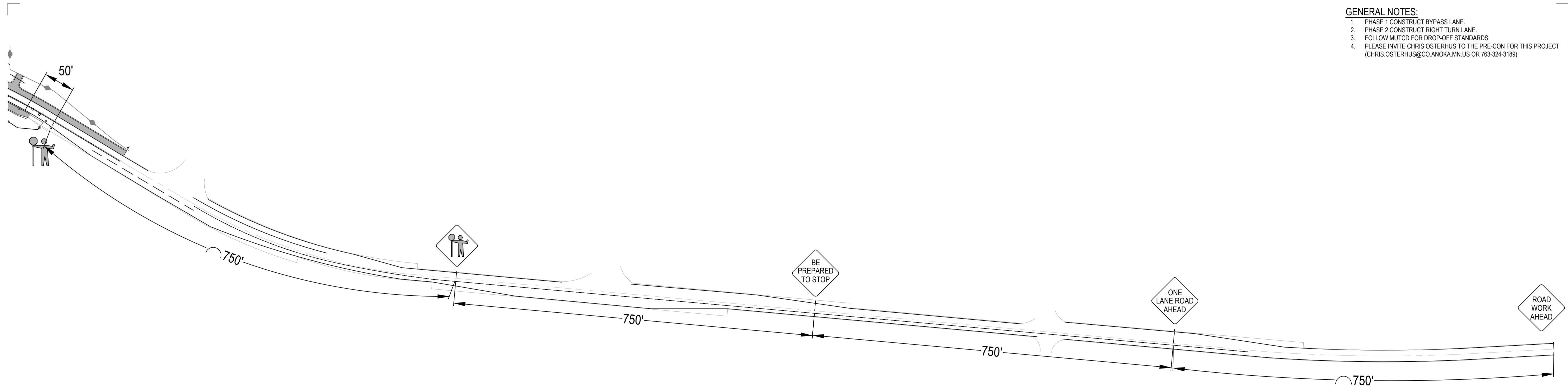
ENGINEERING PLAN
Issue Date: 08/15/2023

Project Manager **MRL**
Drawn by **CKJ**
Checked by **MRL**

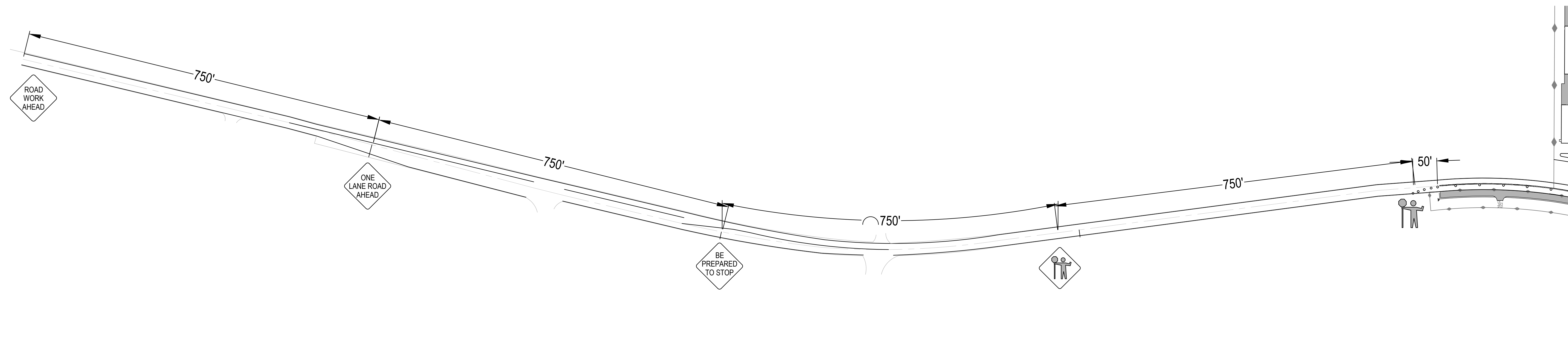
UTILITY DETAILS

C391

- GENERAL NOTES:**
1. PHASE 1 CONSTRUCT BYPASS LANE.
 2. PHASE 2 CONSTRUCT RIGHT TURN LANE.
 3. FOLLOW MUTCD FOR DROP-OFF STANDARDS.
 4. PLEASE INVITE CHRIS OSTERHUS TO THE PRE-CON FOR THIS PROJECT (CHRIS.OSTERHUS@CO.ANOKA.MN.US OR 763-324-3189)



1 PHASE 1 BYPASS TRAFFIC CONTROL PLAN NORTH HALF
SCALE: 1" = 100'



2 PHASE 1 BYPASS TRAFFIC CONTROL PLAN SOUTH HALF
SCALE: 1" = 100'

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DATE: 05-02-2023
REGISTRATION NO: 52664
SIGNED:
MARCUS R. LEE, P.E.

COLUMBUS INDUSTRIAL PARK
WEST FREEWAY DR. NE
COLUMBUS, MN 55038

ENGINEERING PLAN
Issue Date: 05/02/2023

Project Manager MRL
Drawn by CKJ
Checked by MRL

TRAFFIC CONTROL PLAN
BYPASS LANE

C400

GENERAL NOTES:
 1. PHASE 1 CONSTRUCT BYPASS LANE.
 2. PHASE 2 CONSTRUCT RIGHT TURN LANE.
 3. FOLLOW MUTCD FOR DROP-OFF STANDARDS.
 4. PLEASE INVITE CHRIS OSTERHUS TO THE PRE-CON FOR THIS PROJECT (CHRIS.OSTERHUS@CO.ANOKA.MN.US OR 763-324-3189)

Temporary Traffic Control Distance Charts

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

Posted Speed Limit Prior to Work Starting (mph)	Buffer Space (B)	Shadow Vehicle Following Distance (F)	Protection Vehicle Roll-Ahead Buffer Distance (with or without TMA) (R)
0 - 30	200	250 - 550	100
35 - 40	305	325 - 700	100
45 - 50	425	600 - 900	175
55	500	750 - 1200	175
60 - 65	650	1000 - 1400	225
70 - 75	820	1200 - 1600	225

Type A channelizing devices are typically used in attended temporary traffic control zones.*

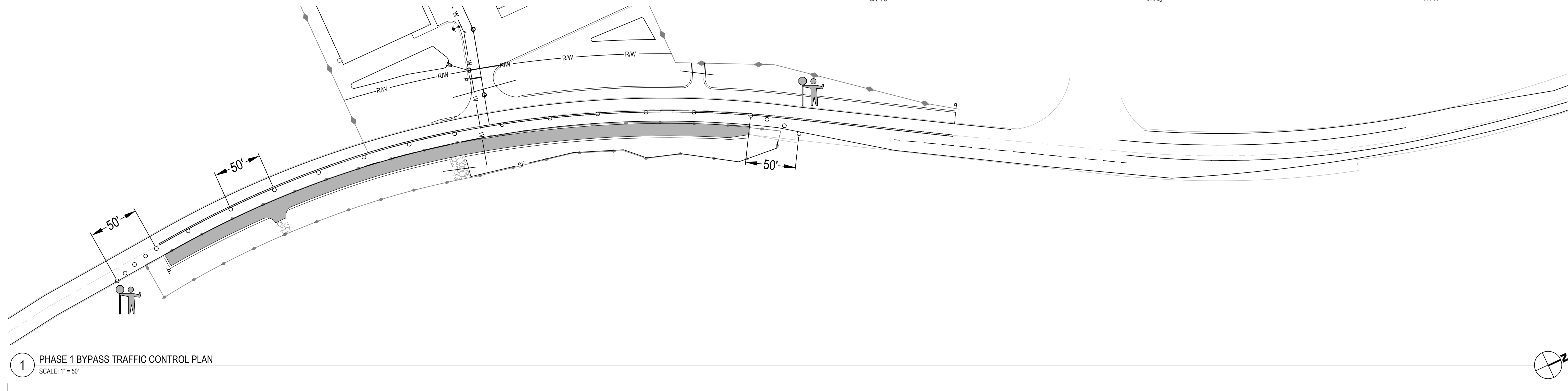
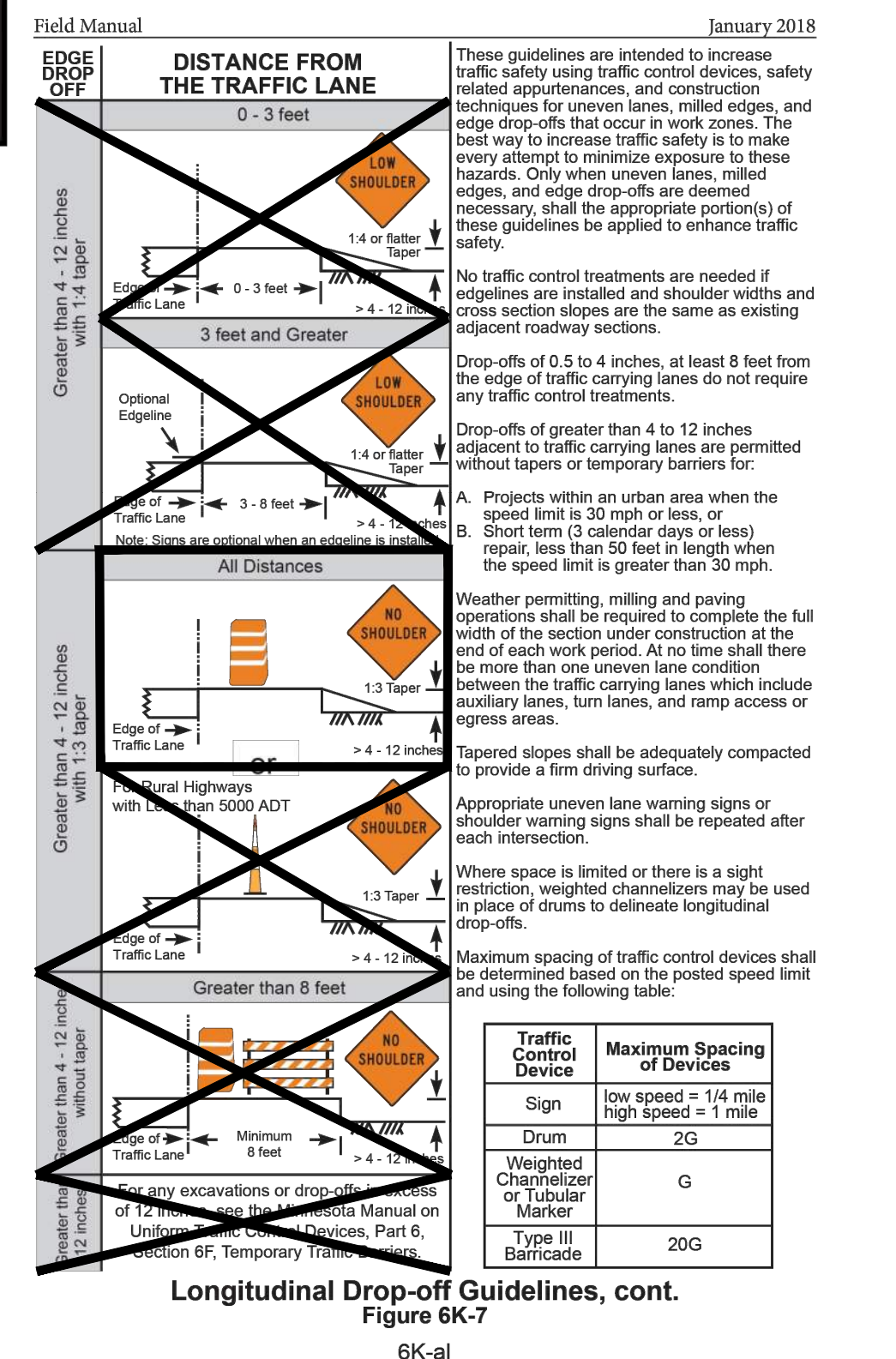
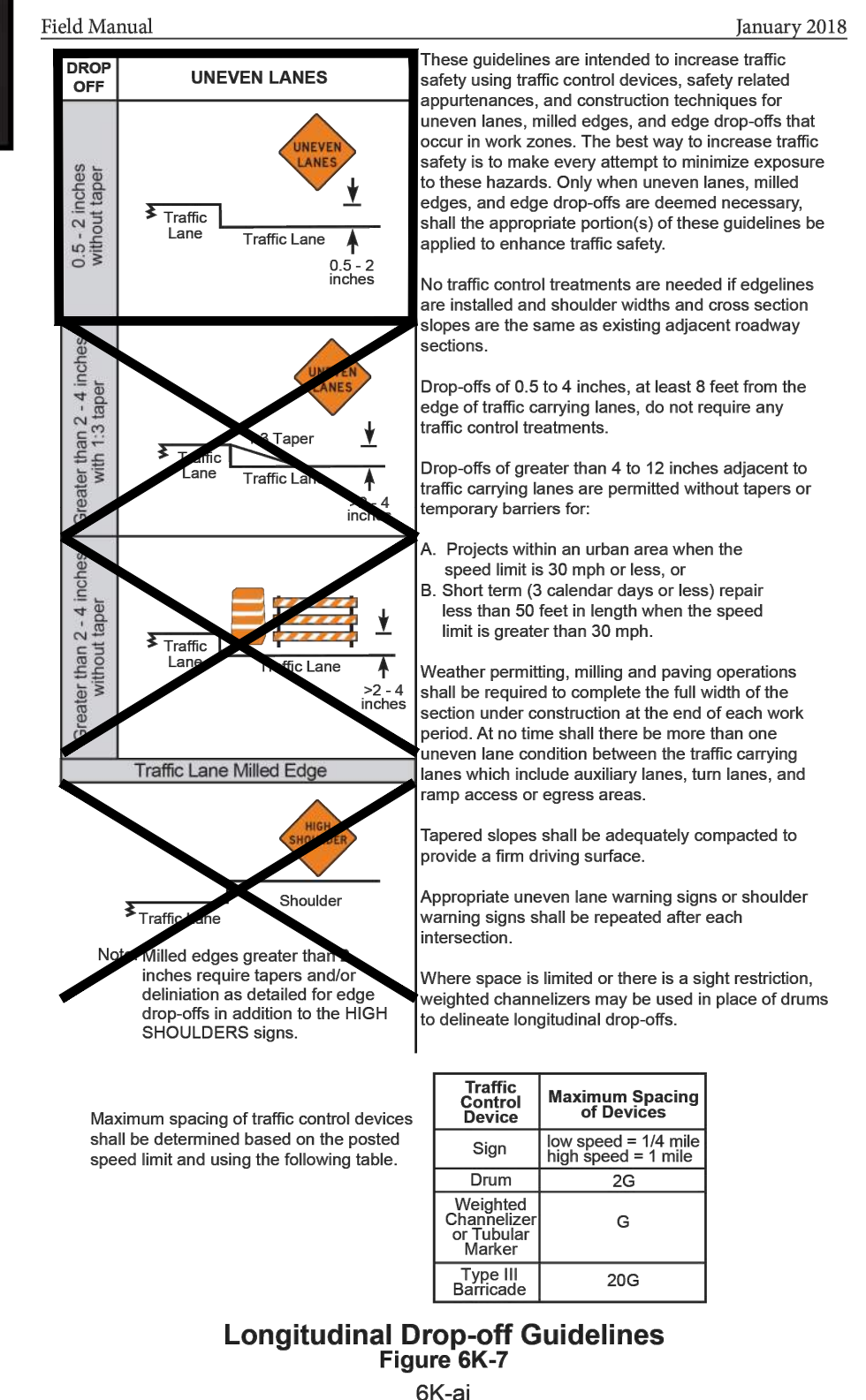
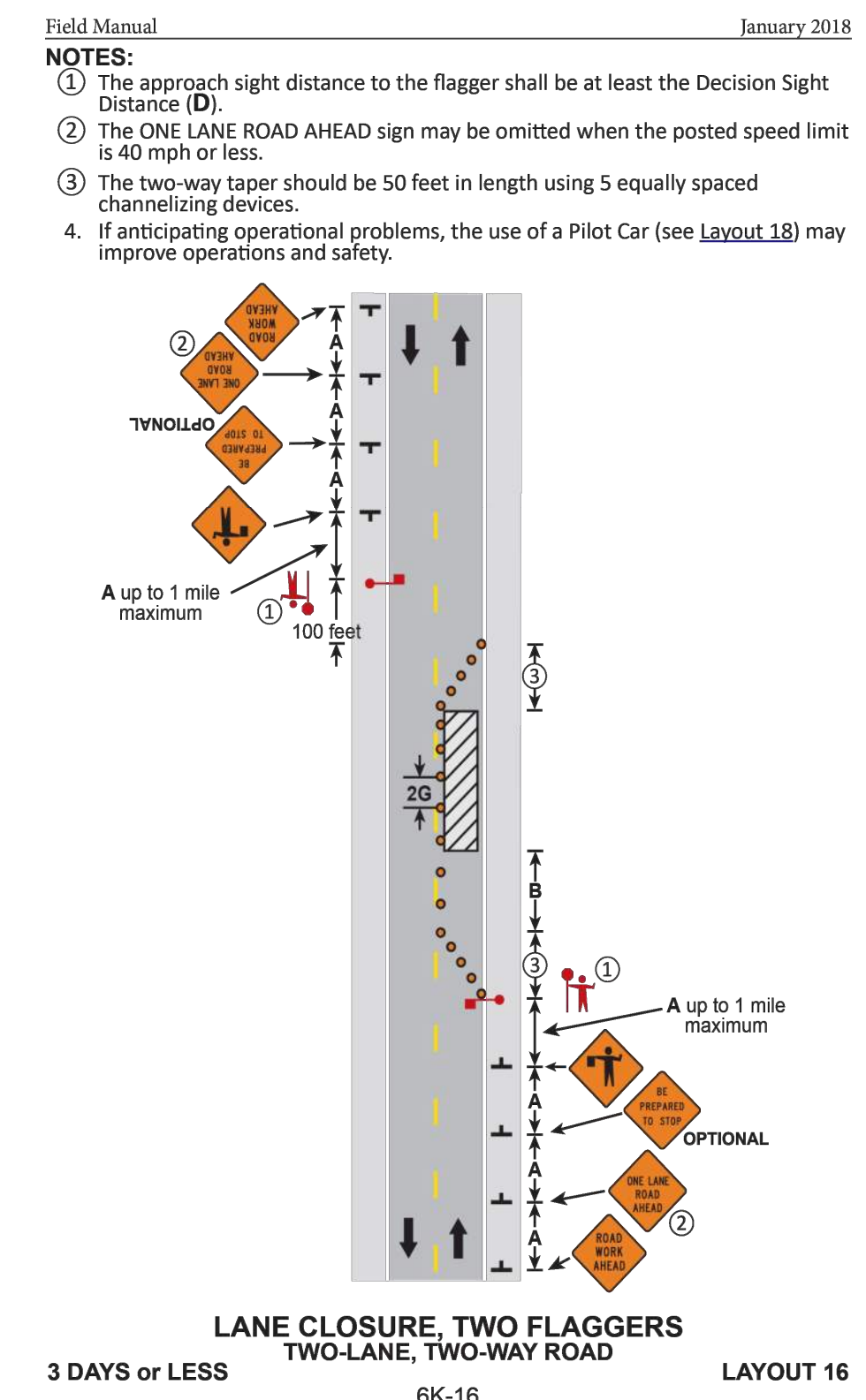
TYPE A CHANNELIZERS:

Type B channelizing devices shall be used if the temporary traffic control zone will be installed for more than 12 hours or if it is left unattended.*

TYPE B CHANNELIZERS: 270 square inch minimum of retroreflective sheeting surface

* See the MN MUTCD, Part 6F for more details on application restrictions.

Figure 6K-15
6K-xxxiii

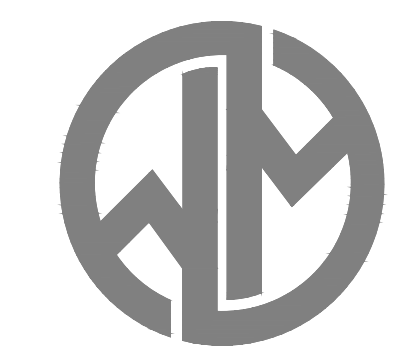


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Revisions:

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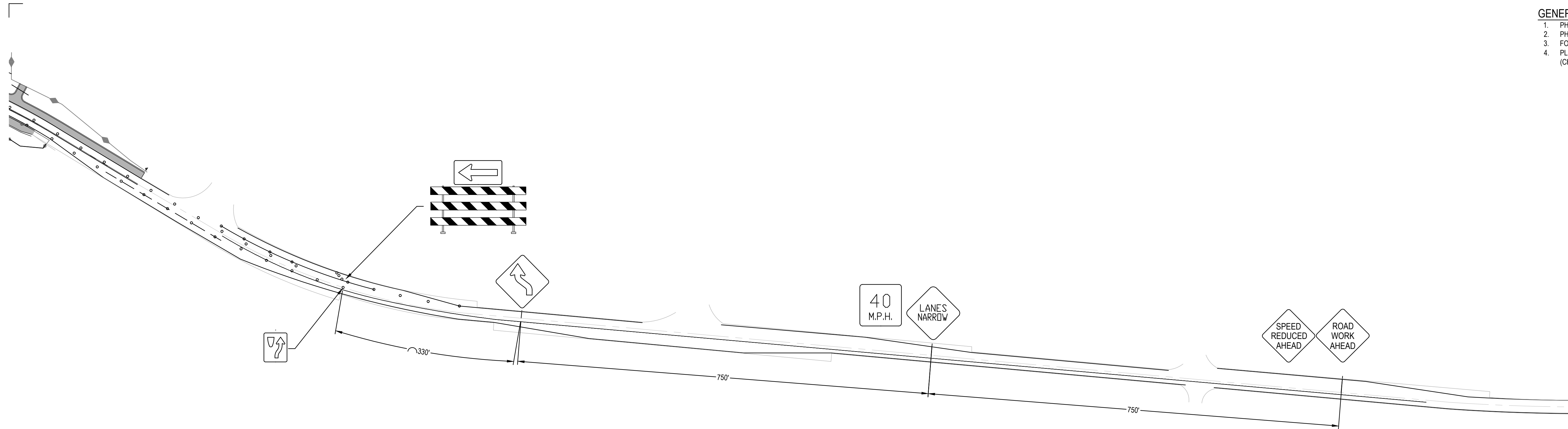
COLUMBUS INDUSTRIAL PARK
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 COLUMBUS, MN 55038
ENGINEERING PLAN
 Issue Date: 05/02/2023

Project Manager MRL
 Drawn by CKJ
 Checked by MRL

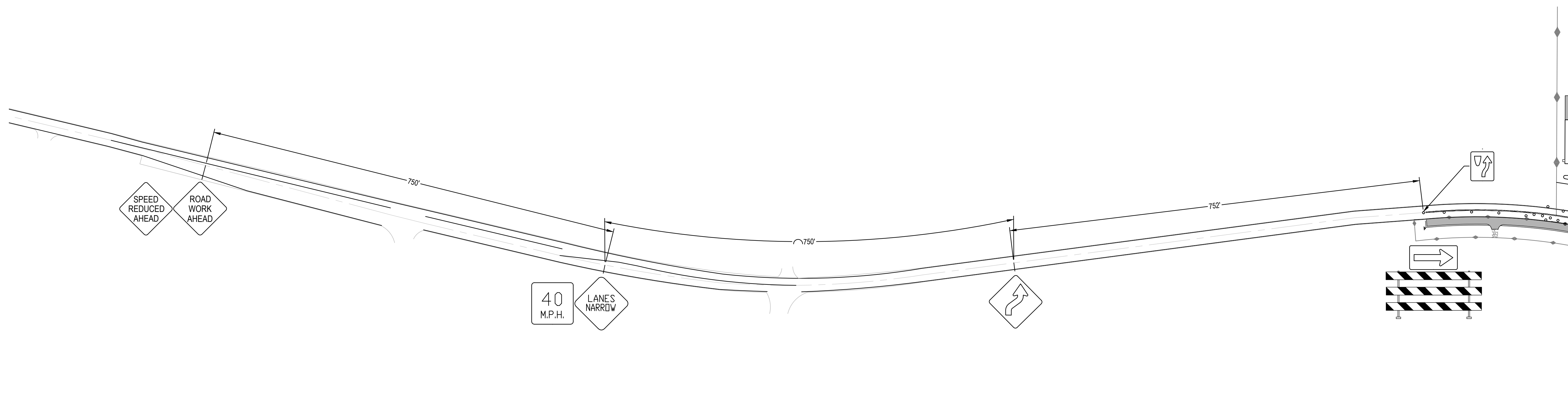
TRAFFIC CONTROL PLAN
 BYPASS LANE
C401

ISSUED FOR ENGINEERING APPROVAL ONLY

- GENERAL NOTES:**
1. PHASE 1 CONSTRUCT BYPASS LANE.
 2. PHASE 2 CONSTRUCT RIGHT TURN LANE.
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 4. PLEASE INVITE CHRIS OSTERHUS TO THE PRE-CON FOR THIS PROJECT (CHRIS.OSTERHUS@CO.ANOKA.MN.US OR 763-324-3189)



1 PHASE 2 RIGHT TURN LANE TRAFFIC CONTROL PLAN NORTH HALF
SCALE: 1" = 100'



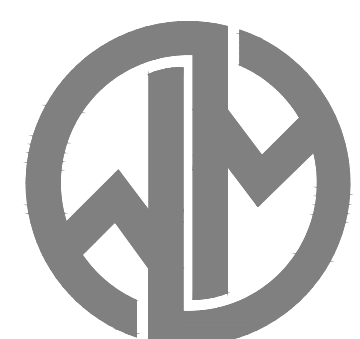
2 PHASE 2 RIGHT TURN LANE TRAFFIC CONTROL PLAN SOUTH HALF
SCALE: 1" = 100'



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ENGINEERING PLAN
Issue Date: 05/02/2023

Project Manager MRL
Drawn by CKJ
Checked by MRL

TRAFFIC CONTROL PLAN
RIGHT TURN LANE

C402

ISSUED FOR ENGINEERING APPROVAL ONLY

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0 - 30	250	550	200	100	75
35 - 40	325	700	325	175	125
45 - 50	600	900	600	300	200
55	750	1200	700	350	250
60 - 65	1000	1400	900	450	325
70 - 75	1200	1600	900	450	300

Posted Speed Limit Prior to Work Starting (mph)	Buffer Space (B) feet	Shadow Vehicle Following Distance (F) feet	Protection Vehicle Roll-Ahead Buffer Distance (with or without TMA) (R) feet
0 - 30	200	250 - 550	100 (100) Stopped
35 - 40	305	325 - 700	100 (100) Stopped
45 - 50	425	600 - 900	175 (175) Stopped
55	500	750 - 1200	175 (175) Stopped
60 - 65	650	1000 - 1400	225 (225) Stopped
70 - 75	820	1200 - 1600	225 (225) Stopped

Type A channelizing devices are typically used in attended temporary traffic control zones.*

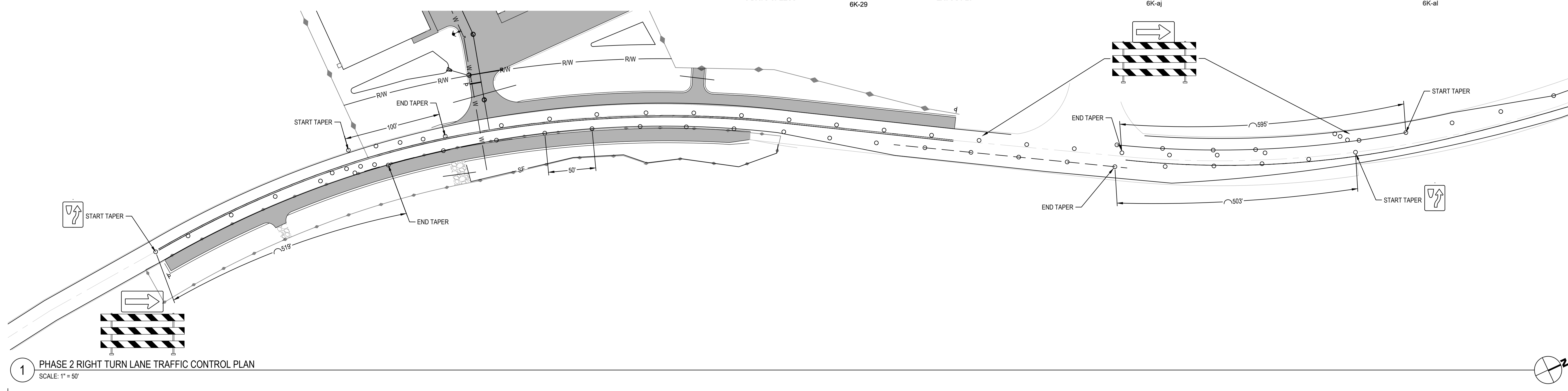
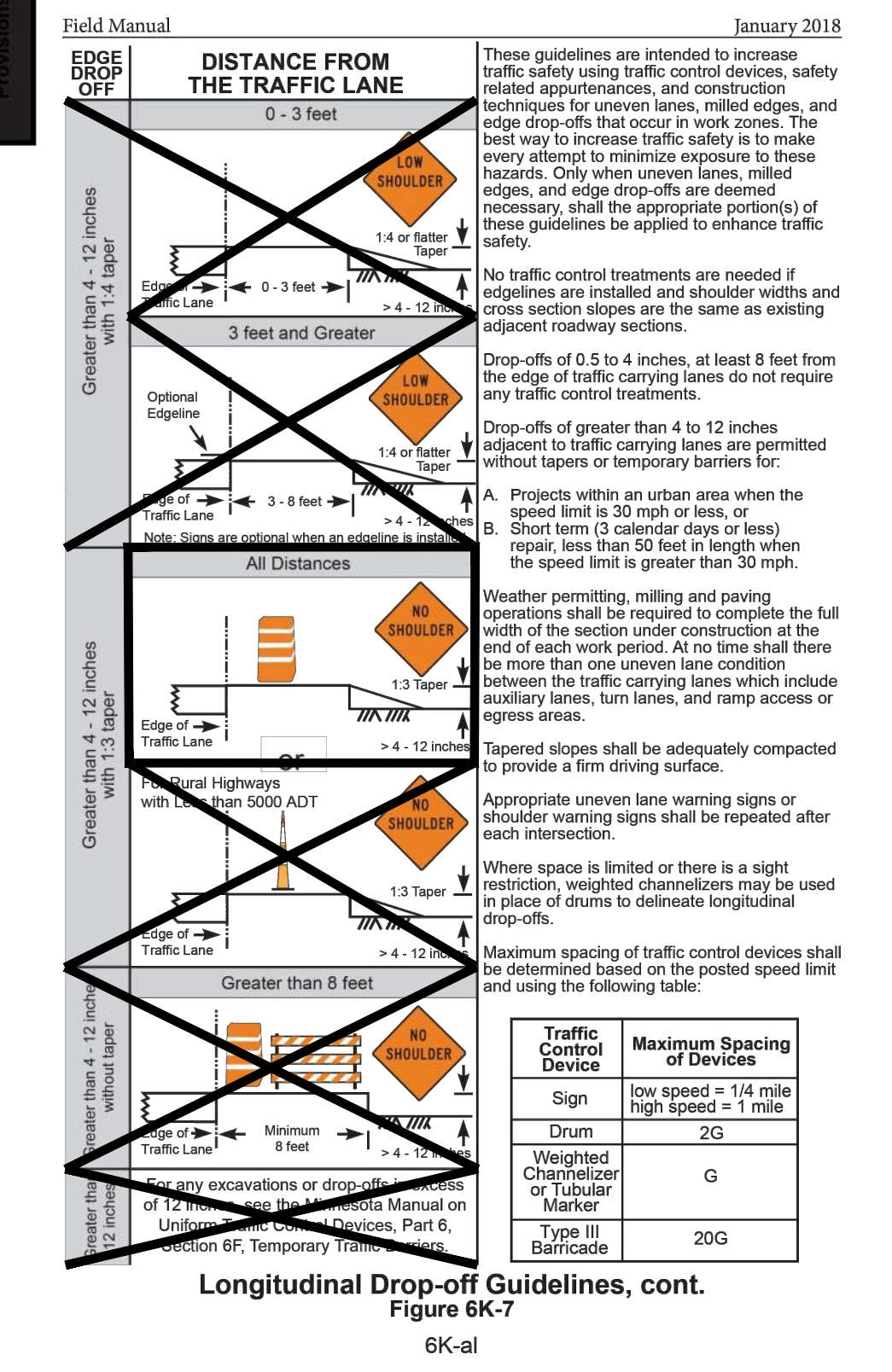
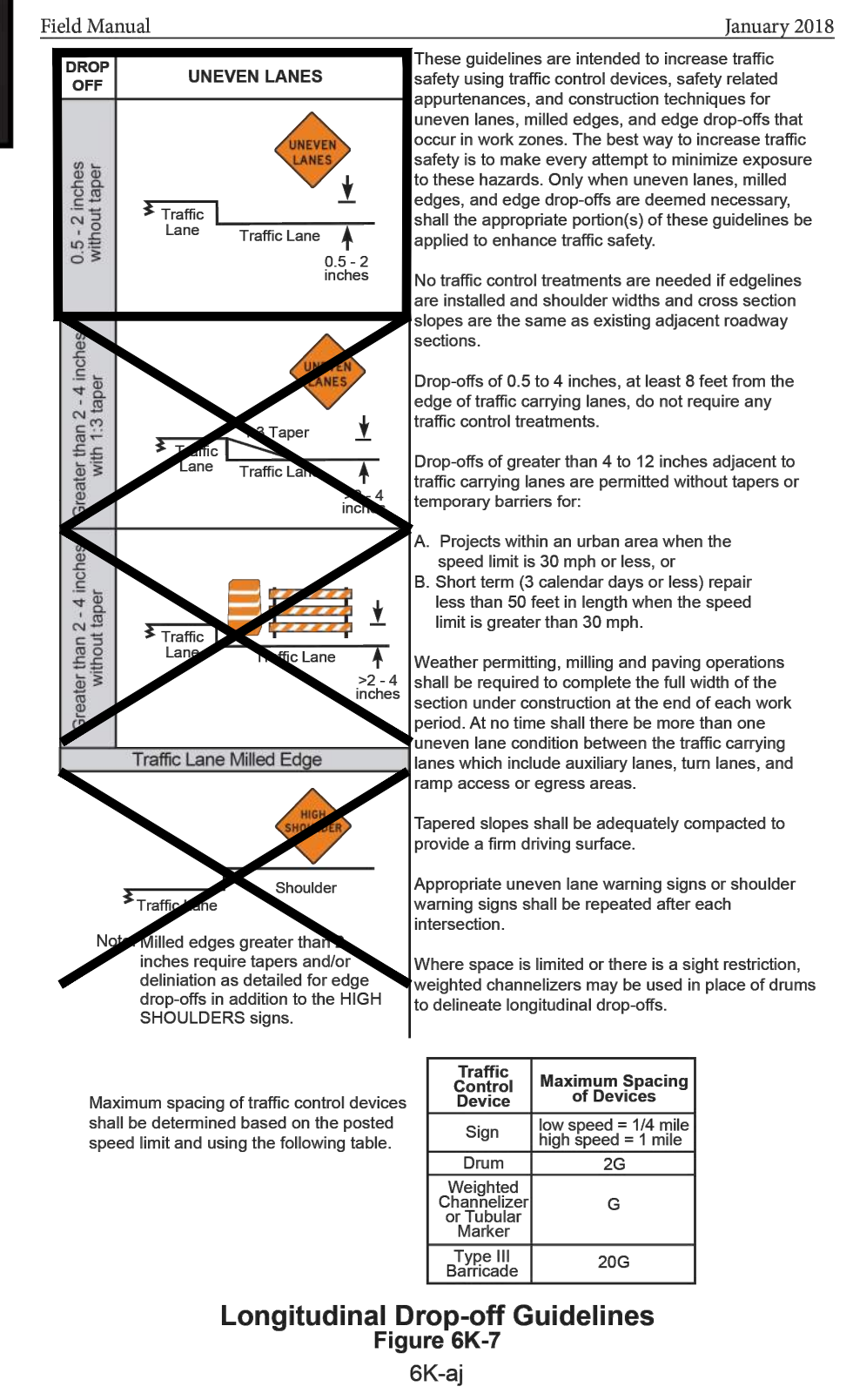
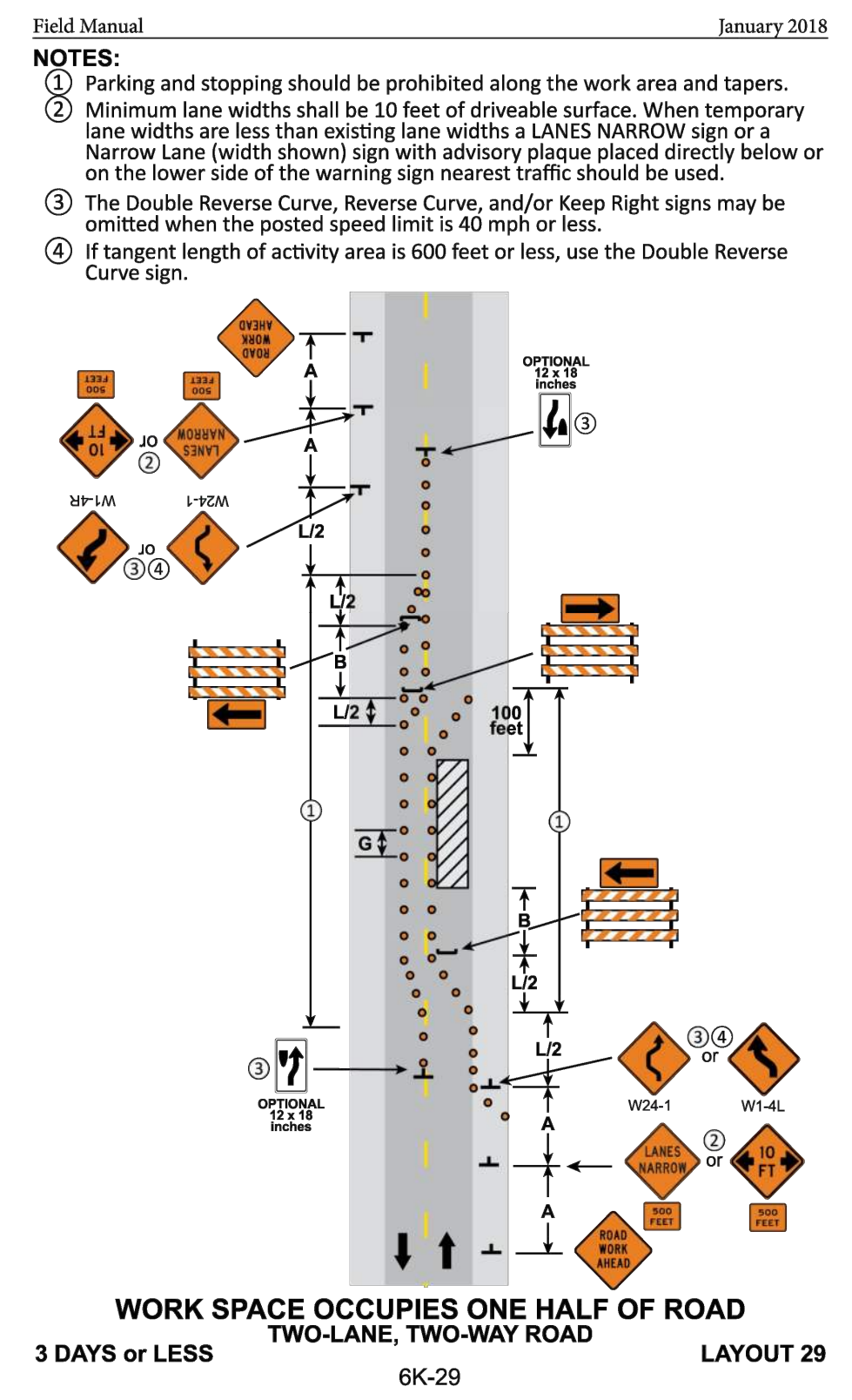
TYPE A CHANNELIZERS: 4 inch Diameter Minimum

Type B channelizing devices shall be used if the temporary traffic control zone will be installed for more than 12 hours or if it is left unattended.*

TYPE B CHANNELIZERS: 270 square inch minimum of retroreflective sheeting surface

* See the MN MUTCD, Part 6F for more details on application restrictions.

Figure 6K-15
6K-xxxiii



Revisions:

No.	Description

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TRAFFIC CONTROL PLAN
RIGHT TURN LANE

C403

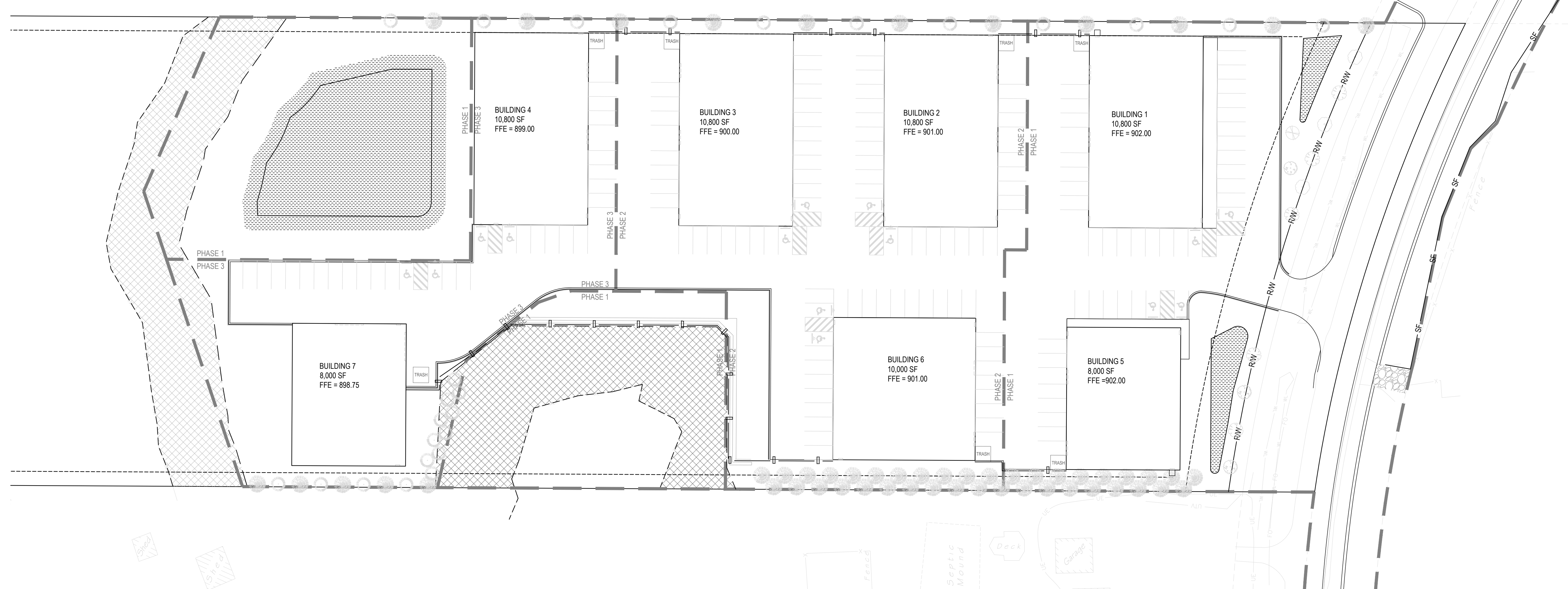
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PLANT LIST: SITE PLANTINGS					
TREES					
QTY	KEY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT
XX	ABM	Acer freemanii 'Jeffersred'	Autumn Blaze Maple	2-1/2"	B & B
XX	RRM	platanoidea Acer 'Royal Red'	Royal Red Maple	2-1/2"	B & B
XX	CH	Celtis occidentalis	Common Hackberry	2-1/2"	B & B
XX	AL	Tilia americana	American Linden	2-1/2"	B & B
XX	BHS	Picea glauca densata	Black Hills Spruce	6'-0"	B & B
XX	AP	Pinus nigra	Austrian Pine	6'-0"	B & B
XX	SP	Pinus sylvestris	Scotch Pine	6'-0"	B & B
XX	RP	Pinus resinosa	Red Pine	6'-0"	B & B
XX	GL	Tilia cordata 'Greenspire'	Greenspire Linden	2-1/2"	B & B
XX	SSC	Malus 'Spring Snow'	Spring Snow Crabapple	1-1/2"	B & B
XX	NP	Pinus resinosa	Norway Pine	6'-0"	B & B
XX	BO	Quercus macrocarpa	Bur Oak	3-1/2"	B & B
XX	WF	Abies concolor	White Fir	6'-0"	B & B
XX	PFC	Malus 'Prairie Fire'	Prairie Fire Crabapple	1-1/2"	B & B

SHRUBS					
QTY	KEY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT
xx	R & B	Raspberry and Blackberry shrubs	Species selected by owner	3 Gal.	POT
xx	SR	Shrub rose hedge, mix several varieties - Blanc Double De Coubert, Hansa, & Magnifica		3 Gal.	POT
xx	WH	Hamamelis virginiana	Witch Hazel	5 Gal.	POT
xx	DWE	Euonymus alatus 'Compactus'	Dwarf Winged Euonymus	5 Gal.	POT
xx	GMS	Spiraea x bumalda	Goldmound Spirea	2 Gal.	POT
xx	LPS	Spiraea japonica 'Little Princess'	Little Princess Spirea	2 Gal.	POT
xx	TA	Thuja occidentalis 'Techny'	Techny Arborvitae, upright form	5 Gal.	POT
xx	H	Hosta, sp.	Any sun tollerant hosta	1 Gal.	POT
xx	RTD	Tilia cordata 'Greenspire'	Redtwigged Dogwood	5 Gal.	POT
xx	AJ	Juniperus horizontalis 'Compacta'	Compact Andorra Juniper	5 Gal.	POT
xx	HJ	Juniperus horizontalis 'Hughes'	Hughes Juniper	5 Gal.	POT
xx	SJ	Juniperus sabina 'Scandia'	Scandia Juniper	5 Gal.	POT
xx	CL	Syringa vulgaris	Common Lilac	5 Gal.	POT
xx	SGJ	Juniperus chinensis 'Sea Green'	Sea Green Juniper	5 Gal.	POT
xx	B	Boulders as accents in landscaped areas Match boulders with rock mulch			

GRASSES				
QTY	KEY	BOTANICAL NAME	SIZE	ROOT
	SOD	Locally grown Minnesota highland sod.		
	SEED	Native grass mixture for short, dry species.		
	SEED	Native grass mixture for short, dry species or wetland; depends on site area.		
	NO MOW	Fescue blend with equal parts: Improved Creeping Red, Sheep, Southport Chewings,		
	NO MOW	Boreal Creeping Red, and Durar Hard		
xx	KFG	Calamagrostis acutiflora 'Karl Forester' Karl Forester Feather Reed Grass	1 Gal.	POT
	A	Seed - Drought tolerant turf blend		
	B	Seed - Short dry native grass blend		
	C	Seed - Wildflower blend for infiltration basins		
	D	Seed - Mesic native grass blend		
	A	Seed - Infiltration grass blend, MnDOT 33-261, or similar @ 35 lbs/ac		
	B	Seed - Mesic native grass blend, MnDOT 35-221, or similar @ 36.5 lbs/ac		
	C	Seed - Short native grass blend, MnDOT 35-241, or similar @ 36.5 lbs/ac		
	D	Seed - Short native grass blend, MnDOT 25-131, or similar @ 220 lbs/ac		
		Follow MnDOT Spec 2575 for seeding, watering, and weed control and "Turf Establishment Recommendations for Metro Districts" by MnDOT, April 2014.		

ZIEGLER ADDITION



1 LANDSCAPE PLAN
SCALE: 1" = 40'

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WEST FREEWAY DR. NE
COLUMBUS, MN 55038
ENGINEERING PLAN
Issue Date: 08/15/2023

Project Manager MRL
Drawn by CKJ
Checked by MRL

LANDSCAPE PLAN
L100

ISSUED FOR ENGINEERING APPROVAL ONLY

REQUIRED RESIDENTIAL SCREENING.

1. A SCALED AND DIMENSIONED SCREENING PLAN MUST BE SUBMITTED TO THE ZONING ADMINISTRATOR PRIOR TO APPROVAL OF THE FOLLOWING:
 - a. ANY NEW NONRESIDENTIAL USE, STRUCTURE, BUILDING ADDITION, SITE IMPROVEMENT, OR LAND USE CHANGE THAT OCCURS ON A PROPERTY LOCATED WITHIN A NON RESIDENTIALLY ZONED DISTRICT THAT ABUTS PROPERTY LOCATED WITHIN A RESIDENTIALLY ZONED DISTRICT OR WITHIN 150 FEET OF AN EXISTING RESIDENCE, INCLUDING BUT NOT LIMITED TO:
 - i. OUTDOOR STORAGE, CONTRACTOR'S YARD, COMMERCIAL EQUIPMENT AND COMMERCIAL VEHICLES;
 - ii. ANY NEW DEVELOPMENT THAT REQUIRES AN INTERIM USE PERMIT, CONDITIONAL USE PERMIT, PLANNED UNIT DEVELOPMENT OR SUBDIVISION APPROVAL; AND
 - iii. OUTDOOR STORAGE AREAS.
 2. THE SCREENING PLAN MUST BE REVIEWED AND APPROVED ADMINISTRATIVELY BY THE ZONING ADMINISTRATOR EXCEPT WHERE IT ACCOMPANIES A LAND USE APPLICATION, IN WHICH CASE IT SHALL BE REVIEWED CONCURRENTLY WITH THAT APPLICATION BY THE PLANNING COMMISSION AND CITY COUNCIL. THE REQUIRED SCREENING PLAN SHALL RESTRICT DIRECT VISUAL ACCESS TO THE NONRESIDENTIAL USE OR NONRESIDENTIAL PROPERTY FROM ANY RESIDENTIALLY ZONED PROPERTY OR RESIDENCE WITHIN 150 FEET. THE SCREENING SHALL BE DESIGNED AND MAINTAINED AS FOLLOWS:
 - a. REQUIRED SCREENING SHALL BE A F SIX (6) FEET IN HEIGHT.
 - b. REQUIRED SCREENING SHALL BE LOCATED ENTIRELY WITHIN THE REQUIRED SETBACKS.
 - c. REQUIRED SCREENING SHALL BE AT LEAST NINETY-FIVE (95) PERCENT OPAQUE THROUGHOUT THE YEAR.
 - d. REQUIRED SCREENING SHALL BE SATISFIED BY ONE (1) OR MORE OF THE FOLLOWING:
 - i. A BERM.
 - ii. A DECORATIVE FENCE. FOR THE PURPOSES OF THIS SECTION, A CHAIN-LINK FENCE WITH SLATS OR FABRIC MATERIAL IS NOT A DECORATIVE FENCE. THE FINISHED SIDE OF FENCE (THE SIDE HAVING NO STRUCTURAL SUPPORTS) SHALL FACE THE RESIDENTIAL PROPERTY.
 - iii. A DECORATIVE MASONRY WALL.
 - iv. A HEDGE OR PLANTINGS THAT GROW TO THE REQUIRED HEIGHT WITHIN THREE (3) YEARS OF INSTALLATION.
 3. THE REQUIRED SCREENING REQUIREMENT MAY BE WAIVED BY THE ZONING ADMINISTRATOR IN LOCATIONS WHERE THE MINIMUM SEPARATION OF NONRESIDENTIALLY ZONED DEVELOPABLE AREAS AND RESIDENTIAL ZONE DEVELOPABLE AREAS IS AT LEAST ONE-QUARTER MILE, DUE TO WETLANDS, PUBLIC WATERS, OR PUBLICLY-OWNED PROPERTIES. THE PROPERTY OWNER SHALL BE RESPONSIBLE FOR THE RESTORATION OR REPAIR OF SCREENING THAT BECOMES NOT IN COMPLIANCE WITH THE APPROVED SCREENING PLAN. APPROVED SCREENING MUST BE MAINTAINED IN A REASONABLE CONDITION AND SHALL NOT BY REASON OF AGE, DECAY, ACCIDENT, OR OTHERWISE BE ALLOWED TO BECOME AND REMAIN IN A STATE OF DISREPAIR ON NONCOMPLIANCE WITH THE APPROVED SCREENING PLAN.

PLANTING NOTES:

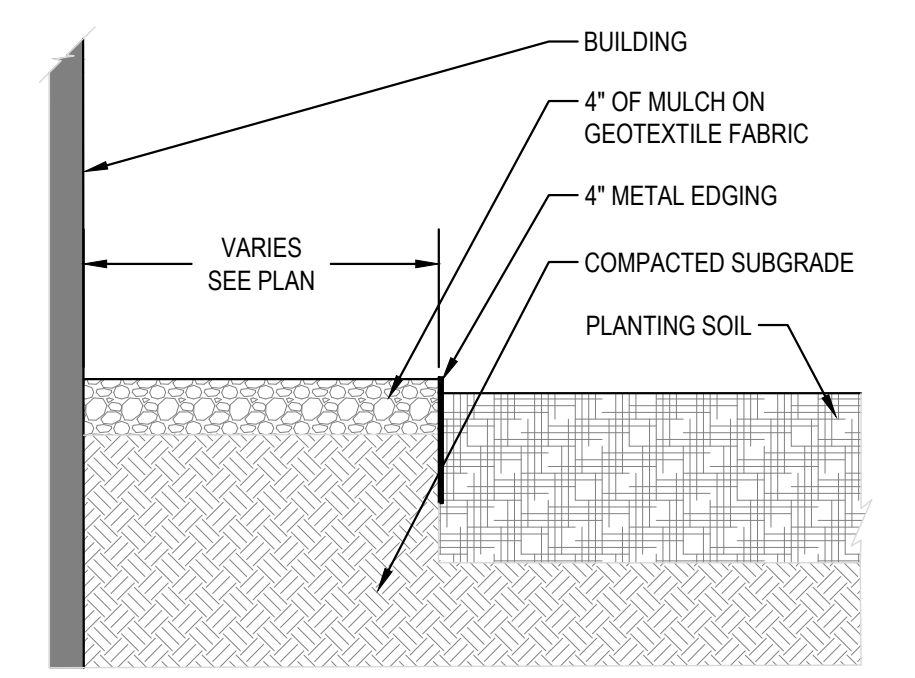
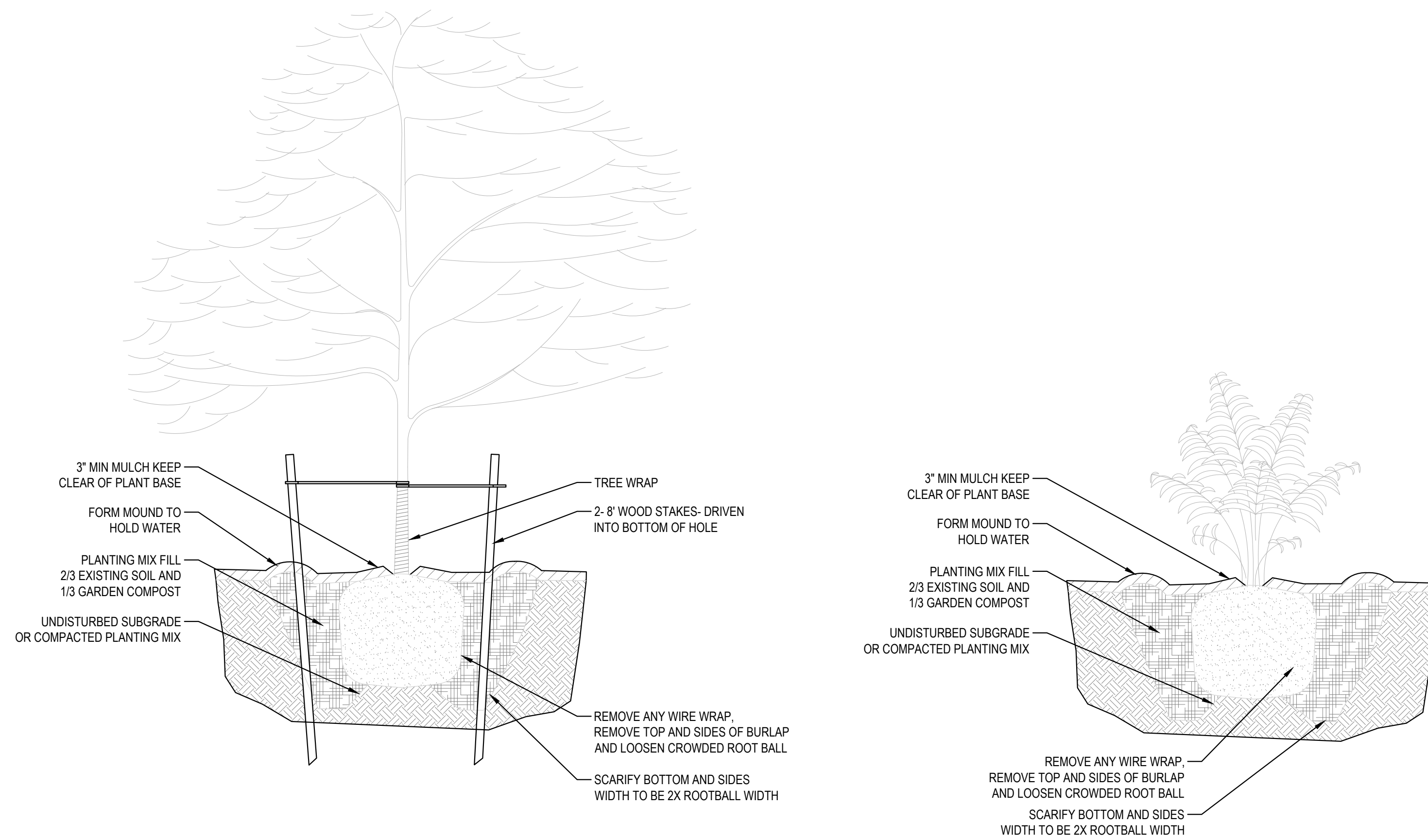
1. CONTRACTOR SHALL PROVIDE ONE YEAR GUARANTEE OF ALL PLANT MATERIALS. THE GUARANTEE BEGINS ON THE DATE OF THE LANDSCAPE ARCHITECT'S WRITTEN ACCEPTANCE OF THE INITIAL PLANTING. REPLACEMENT PLANT MATERIALS SHALL ALSO HAVE A ONE YEAR GUARANTEE COMMENCING UPON PLANTING.
2. ALL PLANTS TO BE NORTHERN-GROWN AND HARDY.
3. PLANTS TO BE INSTALLED AS PER STANDARD AAN PLANTING PRACTICES.
4. USE MINIMUM 12" LOAM PLANTING SOIL ON TREES AND 6" ON SHRUBS.
5. CONTRACTOR SHALL VERIFY LOCATIONS WITH ALL UTILITIES PRIOR TO INSTALLATION OF PLANTS.
6. ALL LANDSCAPING AND SOD AREAS SHALL BE IRRIGATED MANUALLY BY THE OWNER.
7. STAKING OF TREES OPTIONAL; REPOSITION IF NOT PLUMB AFTER ONE YEAR.
8. WRAP ALL SMOOTH-BARKED TREES-FASTEN TOP AND BOTTOM. REMOVE BY APRIL 1.
9. OPEN TOP OF BURLAP ON BB MATERIALS; REMOVE POT ON POTTED PLANTS; SPLIT AND BREAK APART PEAT POTS.
10. PRUNE PLANTS AS NECESSARY - PER STANDARD NURSERY PRACTICE.
11. OWNER SHALL BE RESPONSIBLE FOR MAINTENANCE AFTER ACCEPTANCE OF THE WORK BY THE OWNER.
12. PLANTS SHALL BE IMMEDIATELY PLANTED UPON ARRIVAL AT SITE. PROPERLY HEEL-IN MATERIALS IF NECESSARY; TEMPORARY ONLY.
13. ALL DISTURBED AREAS TO BE SODDED UNLESS OTHERWISE NOTED. SOD SHALL BE NORTHERN GROWN AND HARDY.
14. PLANTING BEDS FOR SHRUBS SHALL HAVE (4 OZ. MIN.) WEED BARRIER FABRIC, 4" - 6" OF SHREDDED HARDWOOD MULCH AND 4" VERTICAL (COMMERCIAL GRADE) BLACK POLY EDGING. THE EDGING SHALL BE PLACED AND STAKED WITH SMOOTH CURVES.
15. SHREDDED HARDWOOD MULCH 4" DEEP SHALL BE PROVIDED AROUND ALL INSTALLED TREES.
16. NO RETAINING WALLS ARE PROPOSED. ANY FUTURE RETAINING WALLS ARE NOT THE RESPONSIBILITY OF THE LANDSCAPE ARCHITECT. CONTACT THE PROJECT ENGINEER FOR DETAILS, LOCATIONS, MATERIALS, AND SPECIFICATIONS FOR ALL RETAINING WALLS.
17. A VARIETY OF MULCHES SHALL BE USED IN THE LANDSCAPE AREAS AS DISPLAY AREAS. DISPLAY AREA BY OTHERS.
18. SHREDDED HARDWOOD MULCH 4" DEEP SHALL BE PROVIDED AROUND ALL INSTALLED TREES.

LANDSCAPE CODE FOR CITY OF COLUMBUS:

1. LI - LIGHT INDUSTRIAL = 4 TREES OR 1 / 6,000 SF SITE AREA.
2. THE REQUIRED NUMBER OF TREES IS BASED UPON A MINIMUM OF 4 TREES OR 1 TREE PER 6,000 SF OF SITE AREAS (NET OF WETLANDS, SURFACE WATERS, AND EXISTING ROAD EASEMENTS, WHICHEVER IS GREATER. TREE SPACING MUST INCLUDE TREES AT THE BOULEVARD AT A MINIMUM OF 50 FEET INTERVALS.
3. FOUNDATION PLANTINGS - PERENNIAL FLOWERS, DECIDUOUS SHRUBS, AND CONIFEROUS SHRUBS, ARE ENCOURAGED IN ALL COMMERCIAL AND INDUSTRIAL ZONING DISTRICTS. SUGGESTED LOCATIONS INCLUDE BUILDING ENTRANCES, SIGN BASES, BERMS AND OTHER SIMILAR VISIBLE LOCATIONS.

MINIMUM STANDARDS

4. DECIDUOUS TREES - 2-1/2" CALIPER PLANTING SIZE - BALLED AND BURLAPPED
5. CONIFEROUS TREES - 6" IN HEIGHT PLANTING SIZE, BALLED AND BURLAPPED
6. FOUNDATION PLANTINGS - CONIFEROUS AND DECIDUOUS SHRUBS SHOULD BE PLANTED AT A MINIMUM OF 1/3 OF THE MATURE SPREAD AND HEIGHT OF A TYPICAL GROWTH HABITS.
7. BOULEVARD TREES - ALL BOULEVARD TREES SHALL BE HARDWOOD SHADE TREES OR FLOWERING TREES.
8. OVERSTORY MIX - WHEN MULTIPLE QUANTITIES OF OVERSTORY TREES ARE REQUIRED, AT LEAST 50% OF THE TREES REQUIRED SHALL BE DECIDUOUS.
9. HARDINESS - ALL LANDSCAPE MATERIALS PROPOSED SHALL BE CONSISTENT WITH MINNESOTA HARDINESS ZONES. WHETHER INDIGENOUS OR FOREIGN. PLANT SPECIES MUST ALSO BE TOLERANT TO SNOW STORAGE, EXPOSURE TO SALT AND SUN SCALD IN PARKING AREAS.
10. DIVERSITY - IN ANY DEVELOPMENT, IN WHICH AT LEAST 8 OVERSTORY TREES ARE REQUIRED, AT LEAST 3 VARIETIES OF PLANTINGS ARE REQUIRED.
11. WARRANTY - ALL REQUIRED LANDSCAPE MATERIALS SHALL BE WARRANTED FOR GROWTH A MINIMUM OF 2 YEARS AFTER PLANTING.
12. CLEAR ZONES - NO LANDSCAPING OVER 2' IN HEIGHT SHALL BE PLANTED OR MAINTAINED IN A SIGHT TRIANGLE AT THE INTERSECTION OF TWO PUBLIC STREETS. SUCH A CLEAR ZONE IS A TRIANGLE MEASURED 30' FROM THE INTERSECTION OF TWO RIGHT OF WAY ALONG EACH RIGHT OF WAY.



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Drawn by CKJ
Checked by MRL

LANDSCAPE NOTES AND DETAILS

L101

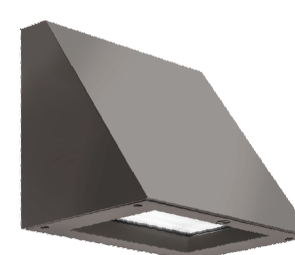
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PROJECT GENERAL NOTES

- COORDINATE POWER WITH DEVELOPER AND BUILDING ELECTRICAL PLANS.
- CITY OF COLUMBUS LIGHTING REQUIREMENTS (7A-813.B):
 - ALL NEWLY INSTALLED, REPAIRED, OR REPLACED OUTDOOR LIGHTING FIXTURES SHALL INCLUDE CUTOFF LUMINAIRES AND SHALL BE DIRECTED AWAY FROM RESIDENTIAL PROPERTY AND PUBLIC STREETS IN SUCH A WAY THAT RESIDENTIAL STRUCTURES SHALL BE SHIELDED FROM DIRECT RAYS OF LIGHT AND SO AS NOT TO EXCEED AN INTENSITY OF ILLUMINATION GREATER THAN ONE (1) FOOT-CANDLE (ONE LUMEN PER SQUARE FOOT) MEASURED AT THE RESIDENTIAL PROPERTY LINE
- PROVIDE EMERGENCY EGRESS LIGHTING PER IBC, NOT SHOWN ON THIS PLAN (BY OTHERS).

LUMINAIRE SCHEDULE

LABEL	MFR.	CATALOG#	WATTAGE
SW1	LITHONIA	WDGE2-LED-P3-40K-80CRI-T3M	32
SW2	LITHONIA	WDGE4-LED-P2-40K-80CRI-R3	109




Specifications

Depth (D1): 7"
Depth (D2): 1.5"
Height: 9"
Width: 11.5"
Weight: 13.5 lbs (without options)

WDGE2 LED
Architectural Wall Sconce
Visual Comfort Optic

Introduction
The WDGE2 LED family is designed to meet specifier's every wall-mounted lighting need in a widely accepted shape that blends with any architecture. The clean, rectangular design comes in four sizes with lumen packages ranging from 1,200 to 25,000 lumens, providing a true site-wide solution. Embedded with rLight® AIR wireless controls, the WDGE2 family provides additional energy savings and code compliance. WDGE2 delivers up to 6,000 lumens with a soft, non-pixelated light source, creating a visually comfortable environment. When combined with multiple integrated emergency battery backup options, including an 18V cold temperature option, the WDGE2 becomes the ideal wall-mounted lighting solution for pedestrian scale applications in any environment.

Luminaire	Beam	Standard ILL. F.C.	Color IDL, 20°C	Series	PL	P1	P2	P3	P4	P5	P6
WDGE2 LED	Visual Comfort	4W	—	756	1,200	2,000	—	—	—	—	—
WDGE2 LED	Visual Comfort	10W	18W	Standalone / Full Light	—	1,200	2,000	3,000	4,500	6,000	—
WDGE2 LED	Precision Reflector	10W	18W	Standalone / Full Light	700	1,200	2,000	3,000	4,500	—	—
WDGE2 LED	Precision Reflector	15W	18W	Standalone / Full Light	—	7,500	8,500	10,000	12,000	—	—
WDGE4 LED	Precision Reflector	—	—	Standalone / Full Light	—	12,000	16,000	18,000	20,000	22,000	25,000



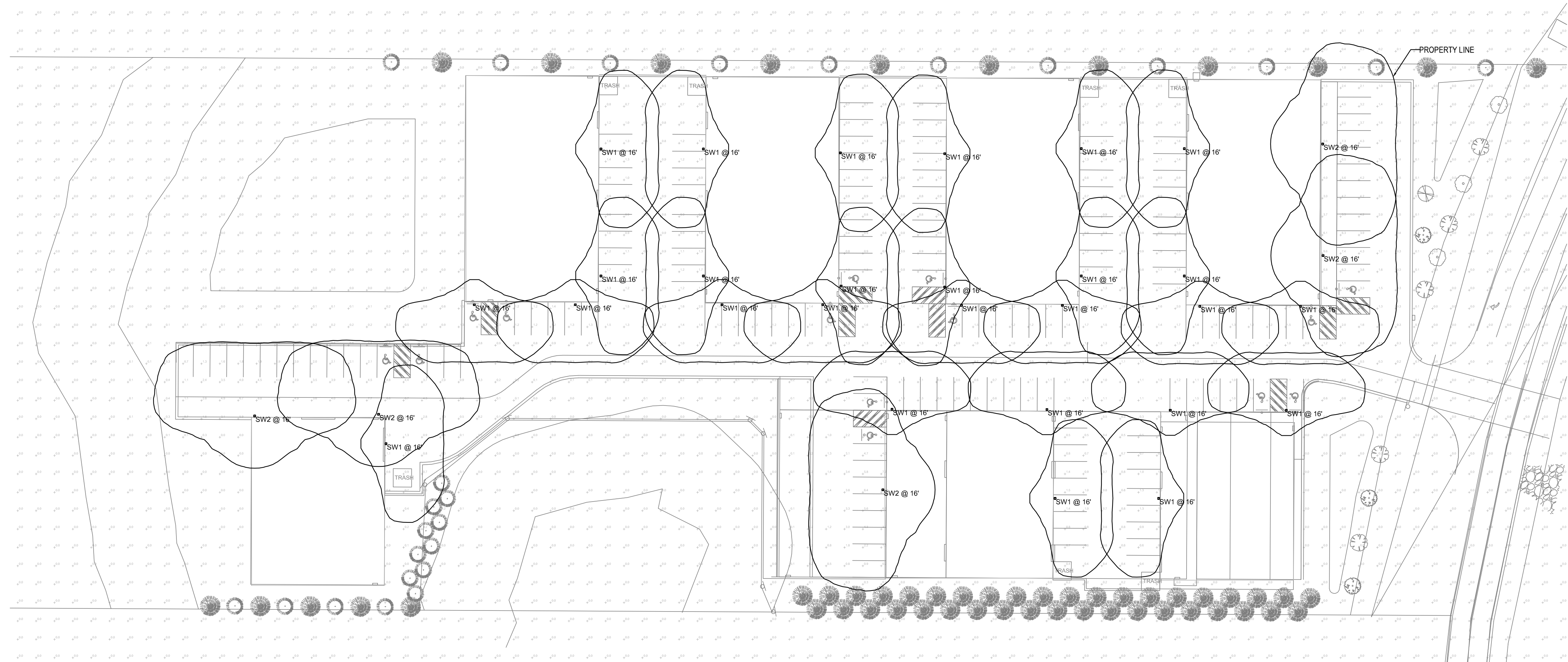
Specifications

Depth (D1): 10"
Depth (D2): 2"
Height: 9"
Width: 25"
Weight: 30.5 lbs (without options)

WDGE4 LED
Architectural Wall Sconce

Introduction
The WDGE4 LED family is designed to meet specifier's every wall-mounted lighting need in a widely accepted shape that blends with any architecture. The clean, rectangular design comes in four sizes with lumen packages ranging from 1,200 to 25,000 lumens, providing a true site-wide solution. Embedded with rLight® AIR wireless controls, the WDGE4 family provides additional energy savings and code compliance. WDGE4 has been designed to deliver up to 25,000 lumens through a precision refractive lens with wide distribution, perfect for augmenting the lighting from pole-mounted luminaires.

Luminaire	Beam	Standard ILL. F.C.	Color IDL, 20°C	Series	PL	P1	P2	P3	P4	P5	P6
WDGE4 LED	4W	—	—	756	1,200	2,000	—	—	—	—	—
WDGE4 LED	10W	18W	Standalone / Full Light	1,200	2,000	3,000	4,500	6,000	—	—	—
WDGE4 LED	15W	18W	Standalone / Full Light	7,500	8,500	10,000	12,000	—	—	—	—
WDGE4 LED	—	—	Standalone / Full Light	12,000	16,000	18,000	20,000	22,000	25,000	—	—



1 SITE LIGHTING PHOTOMETRIC PLAN
Scale: 1" = 40'-0"

2 LUMINAIRE DETAILS
NTS



Revisions:

NO.	DATE	DESCRIPTION

WINDSOR ENGINEERS
Vancouver, WA
Duluth + Minneapolis, MN
www.windsorengineers.com
Project No: 21136.4
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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.

Signature: *[Signature]*
Typed or Printed Name: Sean Wartaga
Date: 07/11/2023
License Number: 66090

COLUMBUS INDUSTRIAL
COLUMBUS, MN 55025

SITE ENGINEERING
Issue Date: 12/16/2022

SITE LIGHTING PHOTOMETRIC

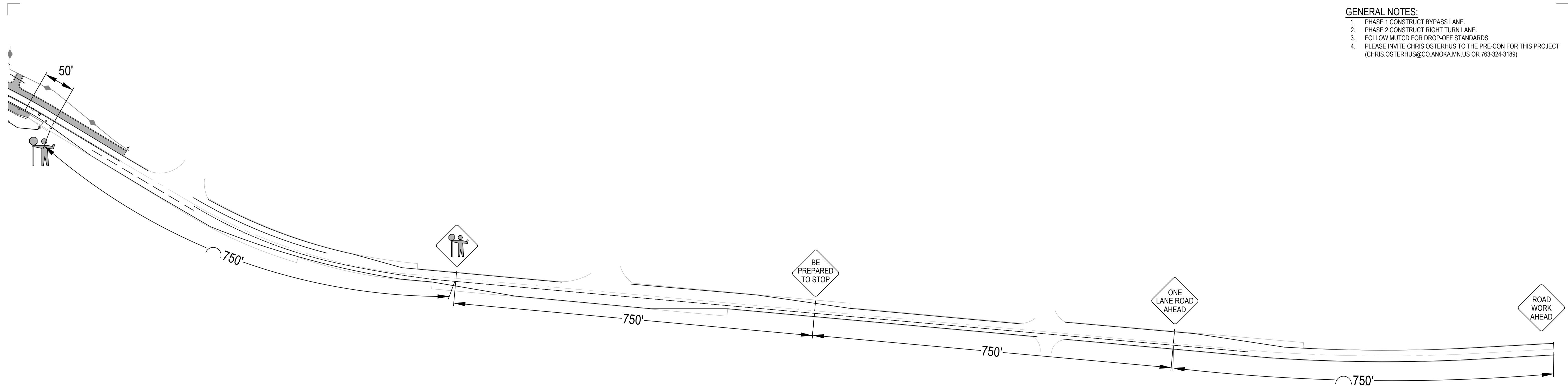
Project Manager: SEW
Drawn by: ARB
Checked by: ARB

E100

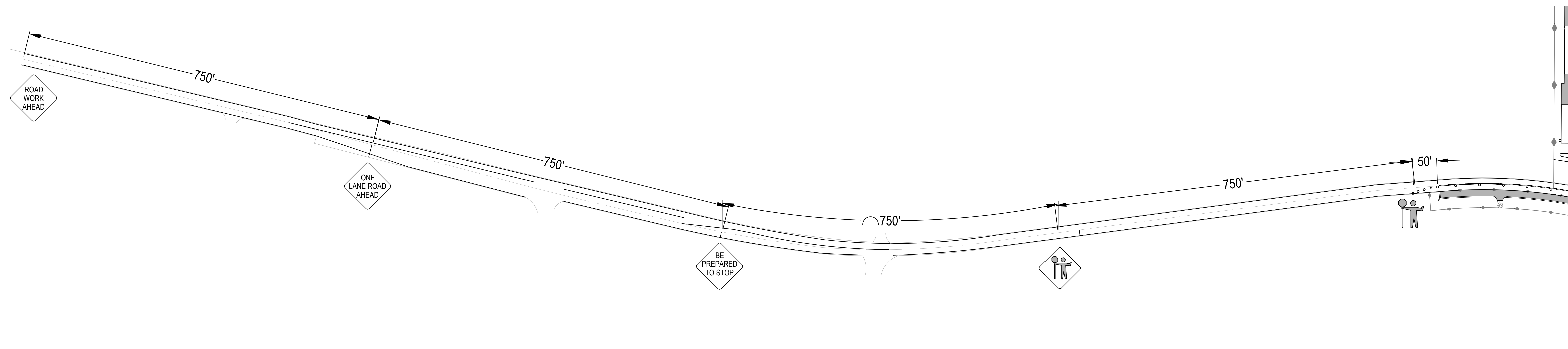
ISSUED FOR SITE PLAN REVIEW / ENGINEERING APPROVAL ONLY

PLOT DATE: 7/11/2023 2:28 PM - FILE: C:\Users\Troy\OneDrive - Windsor Engineers\OneDrive - Windsor Engineers\05 - Project\05\2021\021\136.4 - Columbus Industrial\02 - Drawings\00 - BIM - 300 files\Sheet Lighting\SLT.dwg

- GENERAL NOTES:**
1. PHASE 1 CONSTRUCT BYPASS LANE.
 2. PHASE 2 CONSTRUCT RIGHT TURN LANE.
 3. FOLLOW MUTCD FOR DROP-OFF STANDARDS.
 4. PLEASE INVITE CHRIS OSTERHUS TO THE PRE-CON FOR THIS PROJECT (CHRIS.OSTERHUS@CO.ANOKA.MN.US OR 763-324-3189)



1 PHASE 1 BYPASS TRAFFIC CONTROL PLAN NORTH HALF
SCALE: 1" = 100'



2 PHASE 1 BYPASS TRAFFIC CONTROL PLAN SOUTH HALF
SCALE: 1" = 100'

PLOT DATE: 05/02/2023 8:12 AM - FILE: C:\Users\MARCUS.L\OneDrive - Windsor Engineers\05_Projects\2021\106 - Columbus Industrial\02_Drawings\01_Working\Sheets\21136.4_C1_C001_ROAD_WORK.dwg

ISSUED FOR ENGINEERING APPROVAL ONLY



Revisions:

LINE IS 1" ON FULL SCALE DRAWING



WINDSOR ENGINEERS
Vancouver, WA
Duluth + Minneapolis, MN
www.windsorengineers.com
Project No: 21136.4
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I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.
DATE: 05-02-2023
REGISTRATION NO: 52664
SIGNED:
MARCUS R. LEE, P.E.

COLUMBUS INDUSTRIAL PARK
WEST FREEWAY DR. NE
COLUMBUS, MN 55038

ENGINEERING PLAN
Issue Date: 05/02/2023

Project Manager MRL
Drawn by CKJ
Checked by MRL

TRAFFIC CONTROL PLAN
BYPASS LANE

C400

SUPPLEMENTAL SPECIAL CONDITIONS FOR

NEW STREET TIE-INS, TURN LANES, BYPASS LANES, & TEMPORARY ACCESS

PERMIT NUMBER: 24-347

PERMIT HOLDER: Gustafson Excavating

LOCATION: W Freeway Drive - PID 32-22-32-0005

CITY: Columbus

DEVELOPMENT NAME: Columbus Industrial Park

NEW STREET NAME:

ROADWAY IMPROVEMENTS:

RIGHT TURN LANE

LEFT TURN LANE

BYPASS LANE

Southbound

None

Northbound

Shall notify the Anoka County Highway Department at least 36 hours prior to the commencement of work and upon completion at highwaypermits@anokacountymn.gov or 763-324-3176. Information needed for notification includes the permit number, date/time work is to be performed, and the traffic control contact.

TRAFFIC CONTROL

- All traffic control shall be in accordance with the most current version of the MN MUTCD and MnDOT Field Manual.
- At the new street tie-in, until paved, the permit holder shall provide a 75 foot-long, 1 ½” washed rock approach at the access to minimize the tracking of grading materials from the site onto the public highway.
- No stopping of traffic on the county highway system to allow trucks and/or equipment in or out of the new city street tie-in.
- If the need occurs to stop traffic during approved hours, a flagging operation shall be used.
- Where the new street tie-ins meet the county highway system, continuous cleanup operations are required at a minimum of once per day.
 - Additional cleanup operations may be required if conditions warrant.
 - Bare pavement and visible roadway striping shall be maintained.
 - If reports or incidents of buildup of material occur, access use shall be terminated by ACHD until clean up is completed.
- A stop sign shall be in place at the access to as they exit the site.
- There shall be no parking of trucks/equipment along the county highway system.
- The backing of trucks in and out of the site will not be allowed.
- The permit holder shall be responsible for repairing any/all damage to the county highway system.
- The permit holder shall be responsible for all restoration as the result of any damage to roadway/shoulder from use of access.
 - All costs associated with the removal of temporary access, repair to roadway/shoulder, and all restoration requirements shall be the responsibility of the permit holder.
- If turn lanes cannot be completed, including signing and striping, by October 15, then construction shall commence in the spring of the following year.

THIS PERMIT COVERS THE RIGHT OF WAY IN ANOKA COUNTY ONLY

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

SUPPLEMENTAL SPECIAL CONDITIONS FOR

NEW STREET TIE-INS, TURN LANES, BYPASS LANES, & TEMPORARY ACCESS

SIGNING & STRIPING

- Developer/Contractor will be required to make the necessary pavement marking removals for the right turn lane.
- ACHD will perform the marking for the pavement marking removal limits. Contractor shall contact Logan Keehr at 763-324-3183 at least 48 hours in advance to schedule a time for staff to perform the markings.
- Developer/Contractor will be required to make the necessary pavement markings for the right turn lane. Contractor will perform the final pavement markings for the implementation of turn lane(s), and/or bypass lane(s). Contractor shall contact Logan Keehr at 763-324-3183.
- ACHD will perform spotting for the permanent striping. Contractor shall contact Logan Keehr at 763-324-3183.
- Contractor shall use paint type per the approved plan or epoxy if paint is not indicated on the approved plan and paint shall be in accordance with Mn/DOT's Pavement Marking Qualified Product List on permanent striping (see attached or go to www.dot.state.mn.us/trafficeng/qpl/pavementmarkings).
- Permanent striping shall occur by October 15, or temperatures maintain 40° F and rising, otherwise a Late Season Cold Weather Product shall be used (see attached or go to www.dot.state.mn.us/trafficeng/qpl/pavementmarkings).
- Contractor will perform all installations and maintenance of permanent signing. Contractor shall contact Mike Murphy at 763-324-3197 to coordinate the signing installations with the permanent striping.
- It will be the responsibility of the Developer/Contractor to monitor dates and temperatures regarding the progress of the street tie-ins, paving, and striping. No construction shall commence if the above dates and temperatures cannot be met for a complete project (being open to traffic with full striping and signing).

From: Derek Gustafson [derek@gustafsonexcavating.com]
To: RS-Highway-HighwayPermits [HighwayPermits@anokacountymn.gov]
Subject: Re: Pending permit 24-347
Sent: Mon 6/10/2024 7:22 AM GMT-07:00
Importance: Normal

EXTERNAL EMAIL ALERT: This message originated from outside the Anoka County email system. Use Caution when clicking hyperlinks, downloading pictures or opening attachments.

Susan,

See below i have to get them this construction schedule.
Watermain connection 6/10/2024 (1 day)
Construct turn lane and bypass 9-16-24 start (2.5 Weeks)

Thank you,

Derek Gustafson

Vice President

Gustafson Excavating, Inc.

PO Box 788 ▪ North Branch, MN 55056

Phone: 651-674-7430 ▪ Cell: 651-303-3288

www.gustafsonexcavating.com <<http://www.gustafsonexcavating.com/>>

From: RS-Highway-HighwayPermits <HighwayPermits@anokacountymn.gov>
Sent: Monday, June 10, 2024 9:13 AM
To: Derek Gustafson <derek@gustafsonexcavating.com>
Subject: Pending permit 24-347

Hi Derek,

On your pending permit 24-347, you are indicating an 8' x 5' x 5' excavation. I can't see where that is on the plans. Can you send me an aerial view with the location of the excavation marked?

Also can you email me a construction schedule?

I will follow up with a phone call.

Thanks!

Susan M. Burgmeier

Associate Traffic Technician

Direct: 763.324.3176 Main: 763.324.3100

Anoka County Highway Department

1440 Bunker Lake Blvd. NW

Andover, MN 55304

www.anokacountymn.gov <<http://www.anokacountymn.gov/>>

"Our passion is your safe way home!"

NOTICE: Unless restricted by law, email correspondence to and from Anoka County government offices may be public data subject to the Minnesota Data Practices Act and/or may be disclosed to third parties.

Click here <https://www.mailcontrol.com/sr/M0Br2dLOZbHGx2PQP0mvUlhe-RbjMF0HT5EfYw8gLT5j8gfI6QTkzFbhvBUqPddDw7RaB-Ieup7CP4z_bwErJQ==>> to report this email as spam, a phishing email or other suspicious activity.



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.

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

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

History: *24 SR 448; 29 SR 1503*

Published Electronically: *July 20, 2005*

7560.0250 LOCATE STANDARDS.

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

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

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

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

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

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

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

Statutory Authority: *MS s 299J.04*

History: *29 SR 1503*

Published Electronically: *July 20, 2005*

7560.0300 OPERATOR PARTICIPATES AND SHARES COSTS.

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

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

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

History: *16 SR 135*

Published Electronically: *July 20, 2005*

7560.0325 EMERGENCY EXCAVATION NOTICES.

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

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

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

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

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

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

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

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

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

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

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

Statutory Authority: *MS s 299J.04*

History: *29 SR 1503*

Published Electronically: *July 20, 2005*

7560.0350 EXCAVATION NOTICE REQUESTING MEET.

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

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

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

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

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

Statutory Authority: *MS s 299J.04*

History: *29 SR 1503*

Published Electronically: *July 20, 2005*

7560.0375 LOCATING A SERVICE LATERAL.

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

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

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

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

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

Statutory Authority: *MS s 299J.04*

History: *29 SR 1503*

Published Electronically: *July 20, 2005*

7560.0400 CITATIONS.

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

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

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

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

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

History: *16 SR 135; 24 SR 448*

Published Electronically: *July 20, 2005*

7560.0500 RESPONSE OPTIONS.

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

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

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

History: *16 SR 135; 24 SR 448*

Published Electronically: *July 20, 2005*

7560.0600 DIRECTOR REVIEW.

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

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

History: *16 SR 135; 24 SR 448*

Published Electronically: *July 20, 2005*

7560.0700 CONSENT ORDER.

An executed consent order must contain:

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

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

History: *16 SR 135*

Published Electronically: *July 20, 2005*

7560.0800 CIVIL PENALTIES.

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

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

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

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

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

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

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

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

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

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

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

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

History: *16 SR 135; 24 SR 448*

Published Electronically: *July 20, 2005*

Certificate Of Completion

Envelope Id: EC465202AE24494A93934C9A67018E40	Status: Completed
Subject: DeAndra Gorsegner - ROW Permit Application	
Source Envelope:	
Document Pages: 59	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@anokacountymn.gov
	IP Address: 96.3.30.10

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Status: Original	Holder: Highway Permits	Location: DocuSign
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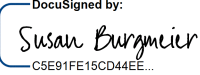
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Susan Burgmeier
Susan.Burgmeier@anokacountymn.gov
Associate Traffic Technician
Anoka County
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In Person Signer Events	Signature	Timestamp
Editor Delivery Events	Status	Timestamp
Agent Delivery Events	Status	Timestamp
Intermediary Delivery Events	Status	Timestamp
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DeAndra Gorsegner
deandra@gustafsonexcavating.com
Security Level: Email, Account Authentication (Optional)

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Notary Events	Signature	Timestamp
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Envelope Summary Events	Status	Timestamps
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Envelope Updated	Security Checked	6/10/2024 9:45:15 AM
Certified Delivered	Security Checked	6/5/2024 1:39:19 PM
Signing Complete	Security Checked	6/10/2024 9:45:15 AM
Completed	Security Checked	6/10/2024 9:45:25 AM

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Electronic Record and Signature Disclosure

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