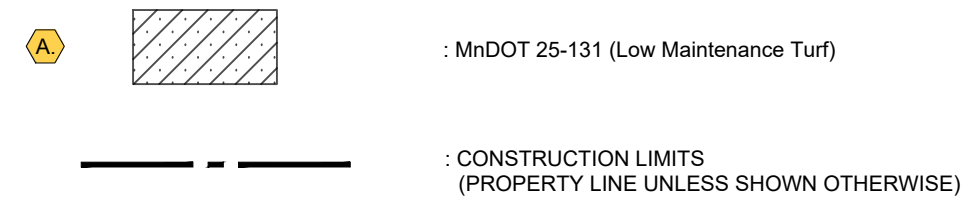


SHEET NOTES

- Refer to Sheet C0.2 for General, Existing Conditions, Erosion & Sediment Control, Grading, and Paving Notes. Refer to Sheet C4.0 for site specific grading notes.
- Seed, Erosion Control Blanket, Turf Reinforcement Mat, and Fertilizer shall be used for final stabilization of the site. Contractor shall maintain documentation of all used stabilization products and their quantities until final acceptance. Install per the following specifications:
 Temporary Erosion Control: MN Type 21-111 @100 lb./ac. (MnDOT 3876) May 1st through July 31st
 Temporary Erosion Control: MN Type 21-112 @100 lb./ac. (MnDOT 3876) August 1st through October 31st
 Seed: MnDOT 3876
 Erosion Control Blanket: Type 3N, Straw 2S, Erosion Control Mat (MnDOT 3885)
 Fertilizer: MnDOT 3881
- Contractor shall follow MnDOT 2575 for general placement. All seeded areas without Erosion Control Blanket shall be disk mulched.
- Vegetation must be established to 90% coverage with 100% coverage in areas of concentrated flow.
- Contractor shall limit site disturbance to the construction limits indicated on the plan.
- Contractor shall be responsible for ensuring seed/sod is watered until final stabilization is achieved.
- Mulch, hydromulch, polyacrylamide are not used within wetter perimeter of drainage ditches or swales with >2% slope.

FINAL STABILIZATION LEGEND



SOIL PREPARATION & VEGETATION ESTABLISHMENT

- Contractor shall remove the full section of gravel prior to the placement of topsoil or mulch.
- Prior to the placement of topsoil, apply 1 inch of compost over subsoil. Till to a minimum depth of 12 inches using rip-type tillage equipment.
- Incorporate compost in the replaced topsoil at a rate of 2 inches per 6 inches total of topsoil. Topsoil shall meet CCWMO Topsoil Specs.
- Install a minimum of 6 inches of topsoil.
- Apply seed/sod.
- Water thoroughly until final stabilization is achieved.

VEGETATION MAINTENANCE

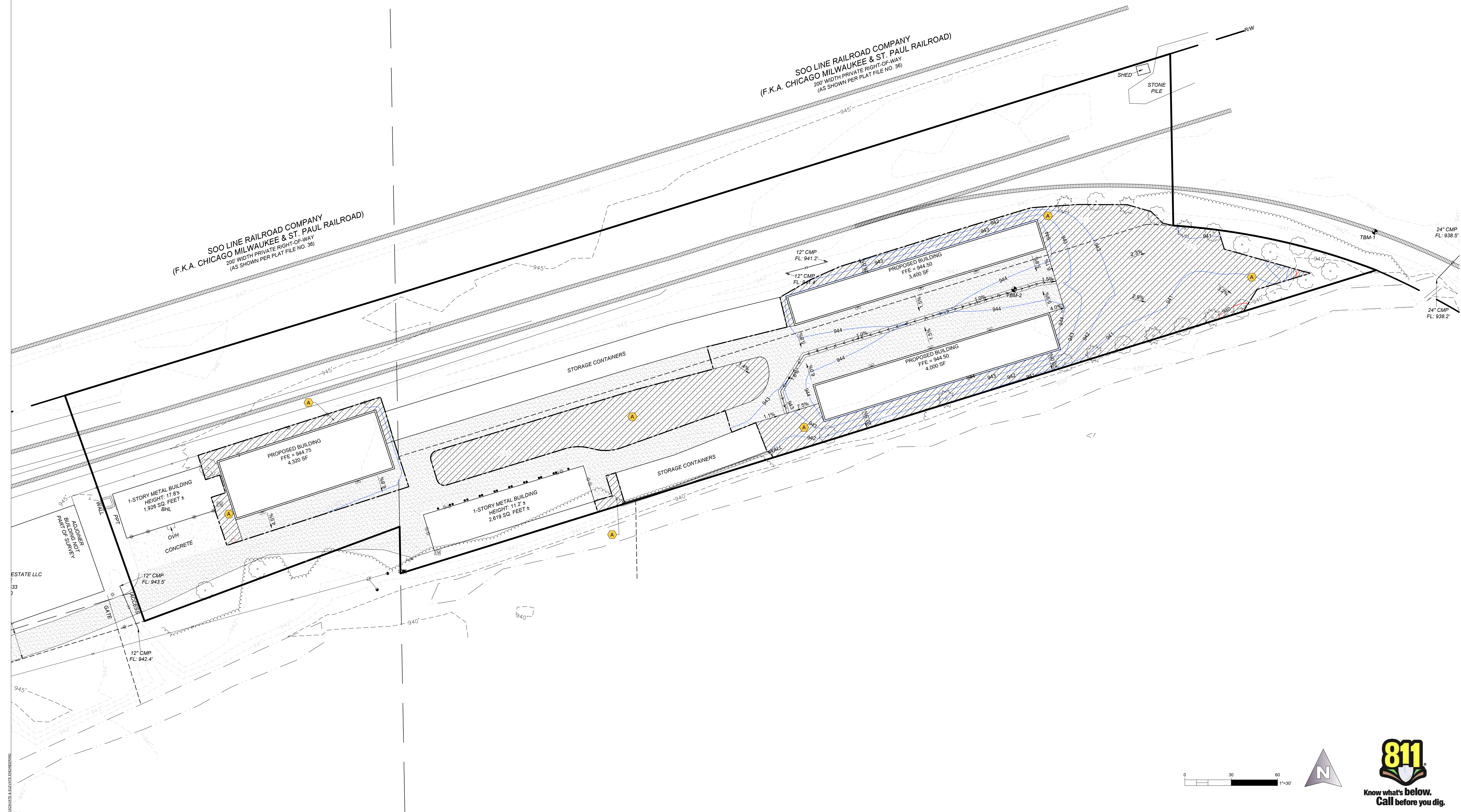
- After final stabilization of the site, the owner shall be responsible for maintenance activities including mowing, watering, re-seeding, and general upkeep of vegetated areas.
- The owner shall be responsible for following all City ordinances relating to site maintenance activities.

TOPSOIL MANAGEMENT PLAN

- A minimum of 6" of topsoil must be restored to all disturbed pervious areas.
- Topsoil must meet the Carver County topsoil standard. If topsoil does not meet the standard, it must be amended or topsoil meeting the standard must be imported to the site.
- Subsoil must be de-compacted to a depth of twelve inches prior to the placement of topsoil.
- Estimated Quantity of Topsoil:
 Disturbed Area Green Space: 22,462 sq. ft.
 Estimated Topsoil Quantity: 22,462 sq. ft. x 6 in. = 11,231 cf.
- Topsoil Testing
 - Topsoil shall be tested by an independent qualified testing firm. Tests shall be coordinated and paid for by the Owner.
 - On site stockpiles shall be tested prior to re-spreading. Sample results shall be submitted to County staff a minimum of 2 business days prior to re-spreading. Test results are valid for one year.
 - If topsoil does not meet the County standard, it must be amended and re-tested. Submit test results to the County.
 - If topsoil cannot be amended, topsoil meeting the County standard must be imported to the site. Sample test results of the imported material shall be submitted to the County.
- The contractor shall be responsible for determining the following:
 - A description of equipment used to strip the topsoil
 - Methods of topsoil decompaction
 - Methods for topsoil re-application
 - Methods for soil amendment if the topsoil does not meet the County standard
 - Schedule and phasing
 - Location and size of topsoil stockpiles
 - The contractor shall provide this information to the Engineer and the CCWMO at their request.

Table 1. Carver County Topsoil Standard

Requirement	Range	Test Method
Material Passing the 1/2 in [19 mm]	100 %	ASTM D 422
Material passing No 4 in [4.75 mm]	≥ 85%	-
Clay	5% – 33%	ASTM D 422
Silt	5% – 35%	ASTM D 422
Sand	30% – 75%	ASTM D 422
Organic matter	2.5% – 15%	ASTM D 2974
pH	6.1 – 8.0	ASTM G 51
Compaction	-1,400 kilopascals (kPa) / 200 pounds per square inch (psi) in the upper 12 inches of soil, or -bulk density of less than 1.4 grams per cubic centimeter (g/cm3) in the upper 12 inches of soil	Field test



PROJECT NAME

LOCKED LOON STORAGE EXPANSION

COLOGNE, MN

CLIENT / DEVELOPER

ODAT HOLDINGS, LLC

5904 OAKLAWN AVENUE,
EDINA, MN 55424
612-759-0982

CITY / COUNTY



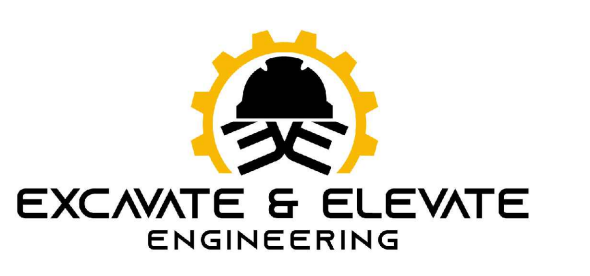
ISSUANCES & REVISIONS

ISSUANCE	DATE
CITY/WATERSHED SUBMITTAL	05/07/2025
WATERSHED RESUBMITTAL	05/22/2025
CITY/WATERSHED RESUBMITTAL	06/13/2025

CERTIFICATION

*PRELIMINARY
(NOT FOR
CONSTRUCTION)*

CITY/WATERSHED
RESUBMITTAL
06/13/2025



PHONE: 763-245-4233
 WEB: ExcavateAndElevateEng.com
 CONTACT: Austen Adam
 PROJECT NUMBER: 25003



FINAL STABILIZATION PLAN

C4.1

SWPPP COMPONENTS AND INFORMATION

- The SWPPP is composed of the following documents and information:
 - Construction Documents prepared by Excavate & Elevate Engineering
 - Stormwater Management Memo prepared by Excavate & Elevate Engineering
- All components of the SWPPP must be kept on the jobsite or must be available electronically at the jobsite by the Operator. Contact the Engineer for this information if it is unavailable.
- Site Location
 - Locked Loon Storage
 - 180 Adams Ave S,
 - Cologne, MN 55322
 - Latitude: 44.7679 Longitude: -93.7772
- Disturbance & Impervious
 - Total Site Area = 2.89 Acres
 - Total Disturbed Area = 1.03 Acres
 - Impervious Calculation Area & Disturbed Area = 1.71 Acres
 - Pre-Construction Impervious Area in Calculation/Disturbed Area = 1.20 Acres
 - Post-Construction Impervious Area in Calculation/Disturbed Area = 1.08 Acres
 - Net Change in Impervious = - 0.12 Acres
- Proposed Stormwater Management
 - Temporary sediment control BMP's
- Refer to the Grading & Erosion Control Sheet(s) for estimated quantities of erosion control measures.

PROJECT DESCRIPTION

- The project includes the construction of new storage facilities, hardscape surfaces, utilities, landscaping, and final stabilization. Construction activities will include clearing and grubbing, grading, utility installation, building construction, paving, and final stabilization.
- Anticipated Timelines:
 - Estimated Project Start Date: 08/01/2025
 - Estimated Project Completion Date: 12/31/2025

SWPPP CONTACTS & TRAINING

- Owner:
 - ODAT Holdings, LLC
 - Nick Anderson
 - 5904 Oaklawn Avenue,
 - Edina, MN 55424
 - 612-759-2982
 - Nsaa96@gmail.com
- Operator:
 - TBD, TO BE FILLED OUT BY CONTRACTOR
 - Company/Organization
 - Name:
 - Address:
 - City, State, Zip Code:
 - Phone Number:
 - Email:
- BMP Installer:
 - TBD, TO BE FILLED OUT BY CONTRACTOR
 - Company/Organization:
 - Name:
 - Address:
 - City, State, Zip Code:
 - Phone Number:
 - Email:
- BMP Maintenance:
 - TBD, TO BE FILLED OUT BY CONTRACTOR
 - Company/Organization:
 - Name:
 - Address:
 - City, State, Zip Code:
 - Phone Number:
 - Email:
- SWPPP Designer:
 - Excavate & Elevate Engineering
 - Austen Adam
 - 6700 Olive Court N
 - Maple Grove, MN 55311
 - 763-245-2233
 - austen@excavateandelevateeng.com
 - Certification: University of Minnesota Design of Construction SWPPP, Expiration May 2028
- SWPPP Inspector/Manager:
 - TBD, TO BE FILLED OUT BY CONTRACTOR
 - Company/Organization:
 - Name:
 - Address:
 - City, State, Zip Code:
 - Phone Number:
 - Email:

- The General Contractor shall provide a chain of responsibility to all Operators and Subcontractors to ensure SWPPP is implemented and maintained throughout the duration of the project. The SWPPP shall remain in effect until the Notice of Termination is submitted.
- The General Contractor is responsible for complying with the requirements of the Minnesota General Permit authorization to discharge stormwater related to construction activity under the National Pollutant Discharge Elimination System (NPDES)/state disposal system. The contractor shall comply with any Local Governing Agency (LGA) having jurisdiction over stormwater of the site and comply with their respective erosion and sediment control requirements. The General Contractor is required to be a co-applicant with the property owner and the General Contractor shall be responsible for all erosion and sediment control devices.
 - The duties of the General Contractor shall include but not be limited to:
 - Ensuring full compliance with the SWPPP and Permit requirements
 - Implementing all parts of the SWPPP including erosion and sediment control measures, non-stormwater management BMP's, good house-keeping BMP's to ensure no material other than stormwater is discharged from the site having adverse effects on downstream receiving waters and drainage systems
 - Conduction inspections
 - Maintaining BMP's
 - Eliminating all discharges that are unauthorized
 - Coordinating repair of all BMP's and installation of new BMP's to ensure the project complies with the SWPPP and Permit requirements at all times throughout the duration of the project.
 - The General Contractor shall be responsible for applying for the the General Stormwater Permit for Construction Activity. The General Contractor shall be responsible for filling out the application, submitting the application, and paying the fee through the MPCA website.
 - Unless notified by the MPCA, applicants who submit a complete application in accordance with the requirements of the General Permit are authorized to discharge stormwater from construction activity under the terms and conditions of this Permit seven (7) calendar days after the online application is complete.

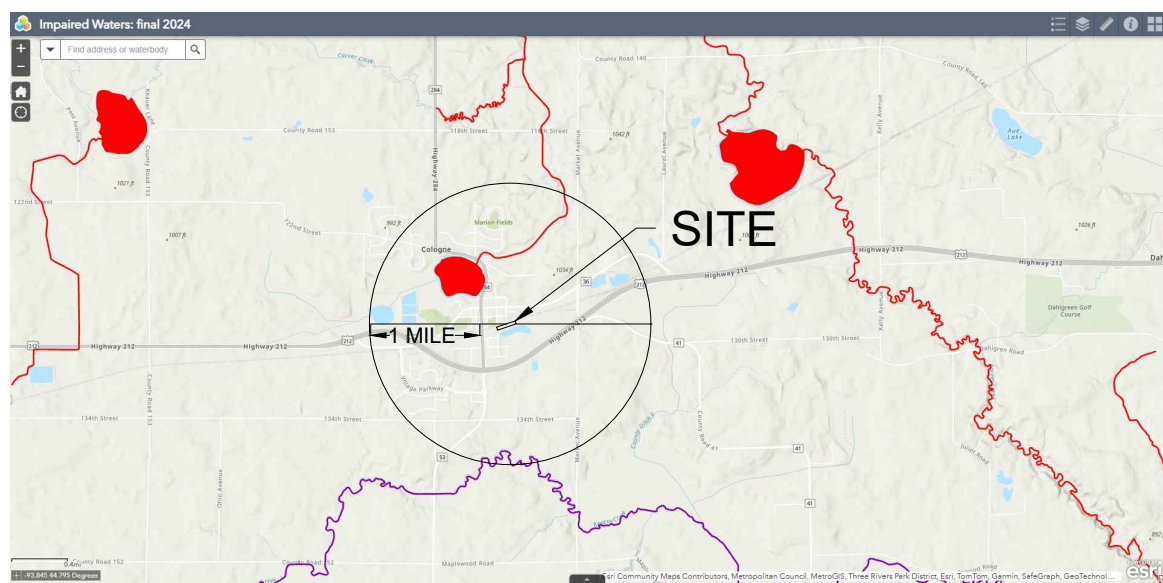
PERMANENT STORMWATER TREATMENT SYSTEMS

- Refer to the Grading, Erosion Control, and Final Stabilization sheets for information on stormwater management BMP's.

SOILS & DRAINAGE PATTERNS

- Refer to the Stormwater Management Memo for information on soil types and drainage patterns.
- Refer to the Grading Plan sheet for information on existing and proposed slopes.

WATERS WITHIN ONE MILE OF THE SITE



MN SPECIAL & IMPAIRED WATERS

- Benton Lake is impaired based on the USEPA 303(j) clean waters act list and is located within 1 mile of the site. It is assumed water from the site eventually discharges to it.
 - Impaired Use: AGR
 - TMDL Approved For: Nutrients
- Unnamed Creek (discharging from Benton Lake) is impaired base on the USEPA 303(d) clean waters act list and is located within 1 mile of the site. It is assumed water from Benton Lake discharges to this Creek.
 - Impaired Use: AGR
 - TMDL Approved For: E. coli
- Refer to the stormwater management memo prepared by Excavate & Elevate Engineering for information on how the NPDES permit requirements are being met.

DRINKING WATER SUPPLY MANAGEMENT AREA (DWSMA)

- The site does not appear to be located within a drinking water supply management area.

SURFACE WATER BUFFERS

- The project is not able to maintain a 50 foot natural buffer from surface waters. Where the surface water is within 50 feet of land disturbance redundant sediment controls shall be installed.

BMP INSTALLATION & CONSTRUCTION ACTIVITY SCHEDULE

- Install perimeter sediment control BMP's prior to any land disturbing activity. Refer to the Grading and Erosion Control sheets or initial location of BMP's.
- Install stabilized construction entrance(s) and inlet protection devices.
- Construct temporary or permanent sedimentation basins prior to any land disturbing activity. Install perimeter sediment control BMP's around normal water levels within 48 hours of basin grading.
- Stabilize temporary or permanent outlets from basins within 24 hours of outlet construction.
- Halt construction activity and contact the appropriate party for the inspection of erosion control BMP's prior to the continuation of site work.
- Hold pre-construction meeting with Engineer, land disturbing contractor, and other relevant parties.
- Clear and grub the site. Stockpile topsoil as necessary and provide stabilization and erosion control devices as outlined in this SWPPP for stockpile areas.
- Complete rough grading, provide temporary seeding as necessary.
- Install storm sewer, sanitary sewer, and water.
- Install rip rap at all outlets and inlet protection at all new storm sewer inlets.
- Install small utilities (gas, electric, communications, etc.).
- Final grade pavement areas and compact subgrade.
- Install curb and gutter. Backfill behind curb and gutter shall take place a minimum of three days after construction.
- Install pavement base material.
- Construct building and site features.
- Pave site including roads, sidewalks, and patios.
- Provide final stabilization for the site.
- Remove all temporary sedimentation and erosion control devices from the site (once final stabilization is achieved)

TEMPORARY SEDIMENT BASINS

- This project does not have more than five (5) acres of disturbed area draining to a common location and the site drains to an impaired water, therefore temporary sedimentation basins are not required.
- Temporary sedimentation basins shall treat water before it discharges from the site.
 - Sediment basins must provide live storage for runoff resulting from the 2-year 14 hour rainfall event for each acre draining to the basin. The minimum live storage provided shall be 1,800 cubic feet per acre draining to the basin. (Where no calculations are performed, each sedimentation basin shall provide a minimum of 3,600 cubic feet per acre of live storage.)
 - Discharge from temporary sedimentation basins shall be withdrawn from the surface in order to minimize discharge of sediment and other pollutants.
- Discharge from temporary basin draining shall not adversely effect downstream receiving waters or conveyance systems. Contractor shall perform visual checks to ensure nuisance conditions are not created.
- Discharges observed during inspections shall be recorded, described, and photographed.
- If temporary BMP's are not functioning as intended refer to the "Stormwater Compliance Toolkit for Small Construction Operators" per the MPCA dated 2017 for information. General Contractor shall contact the SWPPP Designer for additional requirements and information as necessary.

DEWATERING & BASIN DRAINING

- Allowed non-stormwater discharges as defined by the General Permit are limited to dewatering and basin draining. Any turbid or sediment filled discharge shall be discharged to a temporary or permanent sedimentation basin to the maximum extent practicable. Where a sedimentation basin is not practical, water shall be discharged to appropriate BMP's such that there is no adverse impact to downstream receiving waters or adjacent land. Discharges shall be adequately protected from erosion and scour and shall be dispersed over energy dissipation devices such as rip rap, sand bags, plastic sheathing, or other approved measure. If the contractor elects to use a filter with backwash water, the backwash water shall be hauled off-site for removal, return the backwash water to the beginning of the treatment process, or incorporate the backwash water into the site in a manner that does not cause erosion. Contractor shall also clean the filter used in the dewatering device such that adequate functionality is maintained.
- Projects that will withdraw more than 10,000 gallons of water per day or 1,000,000 gallons per year shall obtain the necessary permit from the Minnesota DNR. Photographs shall be taken of the dewatering discharge by the inspector at the beginning of dewatering operation and every 24 hours during operation.
- Any discharge containing oil or grease shall be properly treated to remove oil and grease prior to discharge.
- If nuisance conditions result from dewatering operations, dewatering shall be halted until nuisance conditions are remedied.

EROSION & SEDIMENT CONTROL MEASURES

- The purpose of erosion control BMP's is to prevent suspended particles from being discharged from the site and transported to downstream surface waters or drainage systems.
- In existing conditions of the site, soil is stabilized by natural vegetation. In the final conditions of the site soil shall be stabilized by natural vegetation, pavement, or building cover.
- Contractor shall refer to the Grading and Erosion Control sheets for the location, type, and quantity of temporary erosion prevention measures that must be in place prior construction. Contractor shall refer to the Grading, Erosion Control and Final Stabilization sheets for permanent erosion prevention measures.
 - Contractor shall minimize disturbed area of the site to the maximum extent practicable and shall under no circumstance deviate from the maximum disturbed area indicated on the plans.
 - Area not to be disturbed shall be protected with buffers or silt fence prior to construction.
 - The General Contractor shall have methods in place to minimize soil compaction outside of building pads, pavement, and utility locations.
 - Topsoil shall be salvaged and reused on-site to the maximum extent practicable unless an LGU determines the soil is unsuitable for re-use.
 - Under no circumstance shall the contractor disturb more area than can effectively be maintained and inspected.
 - Install down-gradient erosion and sediment control measures prior to demolition and construction.
 - Time installation of additional temporary sediment control BMP's as construction progresses. BMP's shall be in place prior to the start of any long or short term phase. New BMP's shall be installed prior to the start of the next construction phase.
 - Temporary or permanent drainage ditches or swales that convey any stormwater from the site shall be stabilized within 200 linear feet of the property boundary or point of discharge to any surface water. The last 200 feet shall be stabilized within 24 hours of connection and the entire ditch or swale shall be stabilized within 14 days after connection or construction activities are temporarily or permanent ceased for that portion of ditch/swale.
- All exposed soils shall be stabilized, including stockpiles.
 - Temporary and permanent stabilization shall occur immediately when construction activity is temporarily or permanently ceased and will not resume for 14 calendar days. Stabilization shall be completed within 7 calendar days.
 - Refer to the Grading and Erosion Control plan for temporary and permanent seeding information, seed mixes, application methods, and mulch.
 - Temporary stockpiles shall be protected from erosion with silt fence or other approved erosion control BMP(s) and shall be in place prior to stockpiling. Stockpiles shall not be placed within a surface water or water conveyance system. Stockpiles without significant clay, organic, or silt material are exempt.
 - Erosion control netting shall be safe for wildlife and be composed of decomposable non-welded material.
 - Soil sediment control devices shall be stabilized within 24 hours.
 - Contractor shall protect slopes to the maximum extent practicable and avoid work on slopes greater than 3:1. Grading operations on slopes greater than 3:1 will require phasing of stabilization practices.
 - Erosion control blanket shall be installed as shown on the Grading and Erosion Control sheets and as necessary throughout construction to prevent erosion on steep slopes.
 - All storm inlets (catch basins, flared ends, outlet control structures, etc.) shall be protected with appropriate BMP's during construction until the site reaches final stabilization.
 - Energy dissipation shall be provided on all piped outlets within 24 hours of connection to a surface water or permanent stormwater treatment system.
 - Prior to any land disturbance, perimeter erosion and sediment controls shall be established.
 - Construction entrances and vehicle tracking pads shall be installed as shown on the Grading and Erosion Control sheets to minimize tracking of sediment from vehicles leaving the site onto adjacent streets. Adjacent streets shall be swept clean weekly. Construction exits shall be inspected weekly for evidence of off-site sediment tracking.
 - Infiltration basins shall not be excavated to final grade or within three (3) feet of final grade until all contributing drainage areas are fully stabilized and erosion and sediment control devices are in place.
 - When excavating infiltration basin(s) to final grade or within three (3) feet of final grade contractor shall delineate and protect the infiltration are from heavy equipment to prevent the compaction of soils.
 - Sediment deposits shall be removed from surface waters, drainage ways, catch basins, sumps, and other conveyance measures. Drainage areas shall be re-stabilized within seven (7) calendar days.
 - Polymers, flocculants, or other sediment treatment chemicals shall only be used after traditional sediment control devices are used. Chemicals shall only be applied where treated stormwater is discharged to a sediment control system that allows for filtration or settlement of floc prior to final discharge. Contractor shall consider soil types, turbidity, pH, and flow rate when selecting chemicals. Contractor shall note that chemicals are part of the erosion and sediment control plan and apply them with accepting engineering practices. Dosing specifications and sediment removal design shall be provided by the manufacturer or supplier of the chemicals.

POLLUTION PREVENTION MANAGEMENT MEASURES

- Contractor shall protect stormwater from any wastes, hazardous materials, or products stored on-site that may cause contamination.
- Hazardous building materials, chemicals, and landscaping materials shall be stored such that they are covered and protected from rain water and discharging pollutants.
- The General Contractor shall track the use of the following on site map: vehicle fueling and maintenance areas, material and stockpile storage, portable toilets, paint/solco washouts, concrete washouts, dumpster's or other trash containers, and temporary and non-structural BMP's.
- Hazardous waste materials such as gasoline, paint, and oil shall be contained in and stored in properly sealed containers to prevent spills or leaks. Containers shall be stored in a sealed area to prevent misuse. Storage shall comply with Minnesota R. Ch. 7045 and section 12.4 of the General Permit including secondary containments if applicable.
- Solid waste including sediment collected by BMP's, asphalt, concrete, floating debris, fabric, and other debris from site operations shall be disposed of in a manner compliant with current MPCA regulations.
- Portable toilets shall be securely placed on site in a manner they will not be tipped over. Portable toilets shall be provided throughout the duration of construction phases as required by state or local regulations. Facilities shall be used by all construction personnel and serviced by a commercial operator.
- Concrete and other washouts shall be provided and must effectively contain the liquid and solid wastes disposed within them. The wastes shall not contact the ground and must not generate runoff. The wastes shall disposed of in a manner compliant with current MPCA regulations. Signs shall be installed at each washout location indicating personnel are to use proper facilities and techniques for washout operations.
- Vehicle washing shall only occur at designated areas of the site and the runoff shall be properly disposed of. Engine degreasing shall not be allowed on site.
- The General Contractor shall take necessary precautions to prevent spillage or chemical leaks, including fuel, from any area of the site where the materials will be unloaded as detailed in the Permit.
- The General Contractor shall ensure all applicable federal, state, and local building codes are followed. They shall follow the rules and regulations as defined by the Occupational Safety and Health Act (OSHA) and general conditions/requirements of the construction contract.
- Groundwater shall be protected from contamination at all times. If a spill occurs, it shall be contained and disposed of in a manner that it will not flow off of the site. Contractor shall dispose of contaminated soils caused by spills in manner compliant with local regulations.
- When an accidental spill occurs of oil or other hazardous substances required to be reported and cleaned up the Contractor shall contact and notify the Minnesota Pollution Control Agency at their 24 hour telephone number 651-649-5451. Refer to section 12 of the General Permit for additional information.

MAINTENANCE REQUIREMENTS

- All non-functional BMP's shall be repaired or replaced by the end of the following business day after discovery. If a different time frame is necessary, the Permittee shall inform the SWPPP Designer.
- Follow all designers and manufacturers recommended maintenance procedures.
- Sediment shall be removed from BMP's when the sediment has reached half the full height of the BMP. Sediment shall be properly disposed of to prevent subsequent erosion.
- Sediment shall be removed from paved surfaces within one calendar day of discovery.
- Sediment shall be removed from BMP's protecting storm inlets within one calendar day of discovery.
- Where contamination is evident in surface waters, the contributing drainage area shall be stabilized within seven calendar days and sediment shall be removed within seven calendar days of discovery, or as stated by the Permit.
- Ensure all construction areas including stock piles, waste areas, borrow pits, storage areas, and bituminous/concrete batch plants are cleaned and maintained.
- Replace all BMP's that are non-functioning.
- Add BMP's as necessary throughout construction to minimize erosion.
- All temporary or permanent basins where the water quality volume has been reduced by half shall have the sediment removed within 72 hours of discovery.

FINAL STABILIZATION

- To achieve final stabilization of the site, all disturbed soil shall be stabilized with uniform perennial vegetative cover with a density of 70 percent of the entire pervious surface area. Other equivalent methods shall only be used when necessary to prevent soil failure under erosive conditions.
- The permanent stormwater management system shall meet the requirements of sections 15, 16, 17, 18, and 19 of the General Permit and operate as designed. Temporary or permanent sedimentation basins, water quality basins, wet ponds, or other BMP's shall be cleaned of any accumulated sediment. Conveyance systems shall also be cleaned of sediment and permanently stabilized with vegetative cover.
- Temporary erosion control devices and BMP's shall be removed.
- Land used for agricultural purposes may be permanently stabilized by restoring the disturbed land to its pre-construction agricultural use.

INSPECTIONS REQUIREMENTS

- Permittee's shall ensure a trained person will inspect the entire construction site at a minimum every seven (7) days throughout the duration of construction and within 24 hours after a rainfall event greater than 0.5 inches in 24 hours.
- Inspection records shall be retained with the SWPPP and all maintenance activities shall be recorded within 24 hours of the inspection.
 - The qualified inspector shall inspect all areas of the site including stabilized areas, temporary and permanent erosion control BMP's, surface waters, ponds, and conveyance systems. The inspector shall also inspect adjacent property to ensure no nuisance conditions have been created.
 - Surface waters on and adjacent to the site shall be inspected for evidence of sediment deposition.
 - Inspection record shall contain, at a minimum, the following:
 - Date/time of inspections
 - Name of the person conducting the inspection
 - Inspection findings with detailed information on areas where corrective actions are necessary
 - Corrective actions taken with dates, times, and who performed the action
 - Dates of all rainfall events greater than .05 inches in 24 hours (measurements shall be taken per the requirements in the General Permit)
 - Discharges shall be recorded with photographs, descriptions, and locations
 - Documentation of amendments to the Permit as a result of inspection activities, documentation shall occur with seven calendar days
 - Photographs of dewatering activities with detailed descriptions of water conditions. Any nuisance conditions created by dewatering shall be documented.
- Inspection record shall contain, at a minimum, the following:
 - Date/time of inspections
 - Name of the person conducting the inspection
 - Inspection findings with detailed information on areas where corrective actions are necessary
 - Corrective actions taken with dates, times, and who performed the action
 - Dates of all rainfall events greater than .05 inches in 24 hours (measurements shall be taken per the requirements in the General Permit)
 - Discharges shall be recorded with photographs, descriptions, and locations
 - Documentation of amendments to the Permit as a result of inspection activities, documentation shall occur with seven calendar days
 - Photographs of dewatering activities with detailed descriptions of water conditions. Any nuisance conditions created by dewatering shall be documented.

RECORD RETENTION REQUIREMENTS

- The owner must keep the SWPPP, all changes made to it during construction, and the following additional record on file for a period of three (3) years after completion of the construction project (final stabilization and Notice of Termination).
 - Other stormwater related permits required as part of the project
 - Inspection record and maintenance that was conducted
 - Permanent operations and maintenance agreements that have been implemented (including right-of-ways, contracts, covenants, or other binding agreements)
 - Calculations for design of temporary and permanent stormwater management systems
- The SWPPP shall be kept on site in a field office or vehicle.

AMENDMENTS

- The SWPPP shall be amended within seven (7) days of inspection to include additional requirements such as new temporary or permanent BMP's, designs for corrective measures, or address other situations as detailed in the Permit.
- It is acceptable to add sketches, new sections, addenda and revised drawings to the SWPPP in order to keep it current with the pollutant control measures utilized.

PERMIT TERMINATION CONDITIONS

- Permittee's must comply with sections 4 and 13 of the General Permit in order to achieve permit termination.
- Compliance with the Permit is required until a Notice of Termination (NOT) is submitted to the MPCA.
 - In order to submit a NOT the site must have achieved final stabilization, sediment has been removed from temporary and permanent stormwater BMP's and conveyance systems, and temporary erosion control devices and BMP's have been removed from the site.
- For residential construction only, permit coverage terminates on individual lots if the lot is sold to the homeowner, structures are finished, and permanent cover has been established. For lots sold to the homeowner and vegetative cover has not been established, coverage terminates only if proper perimeter temporary erosion control devices are installed downgradient and the Permittee has distributed the MPCA's "Homeowner Fact Sheet" to the homeowner to inform the homeowner of the requirements and benefits of permanent cover.

PROJECT NAME

LOCKED LOON STORAGE EXPANSION

COLOGNE, MN

CLIENT / DEVELOPER

ODAT HOLDINGS, LLC

5904 OAKLAWN AVENUE,
EDINA, MN 55424
612-759-0982

CITY / COUNTY



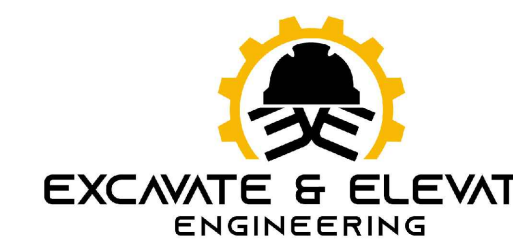
ISSUANCES & REVISIONS

ISSUANCE	DATE
CITYWATERSHED SUBMITTAL	05/07/2025
WATERSHED RESUBMITTAL	05/22/2025
CITYWATERSHED RESUBMITTAL	06/13/2025

CERTIFICATION

PRELIMINARY
(NOT FOR
CONSTRUCTION)

CITYWATERSHED
RESUBMITTAL
06/13/2025



PHONE: 763-245-4233
WEB: ExcavateAndElevateEng.com
CONTACT: Austen Adam
PROJECT NUMBER: 25003

SWPPP NOTES

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SHEET NOTES

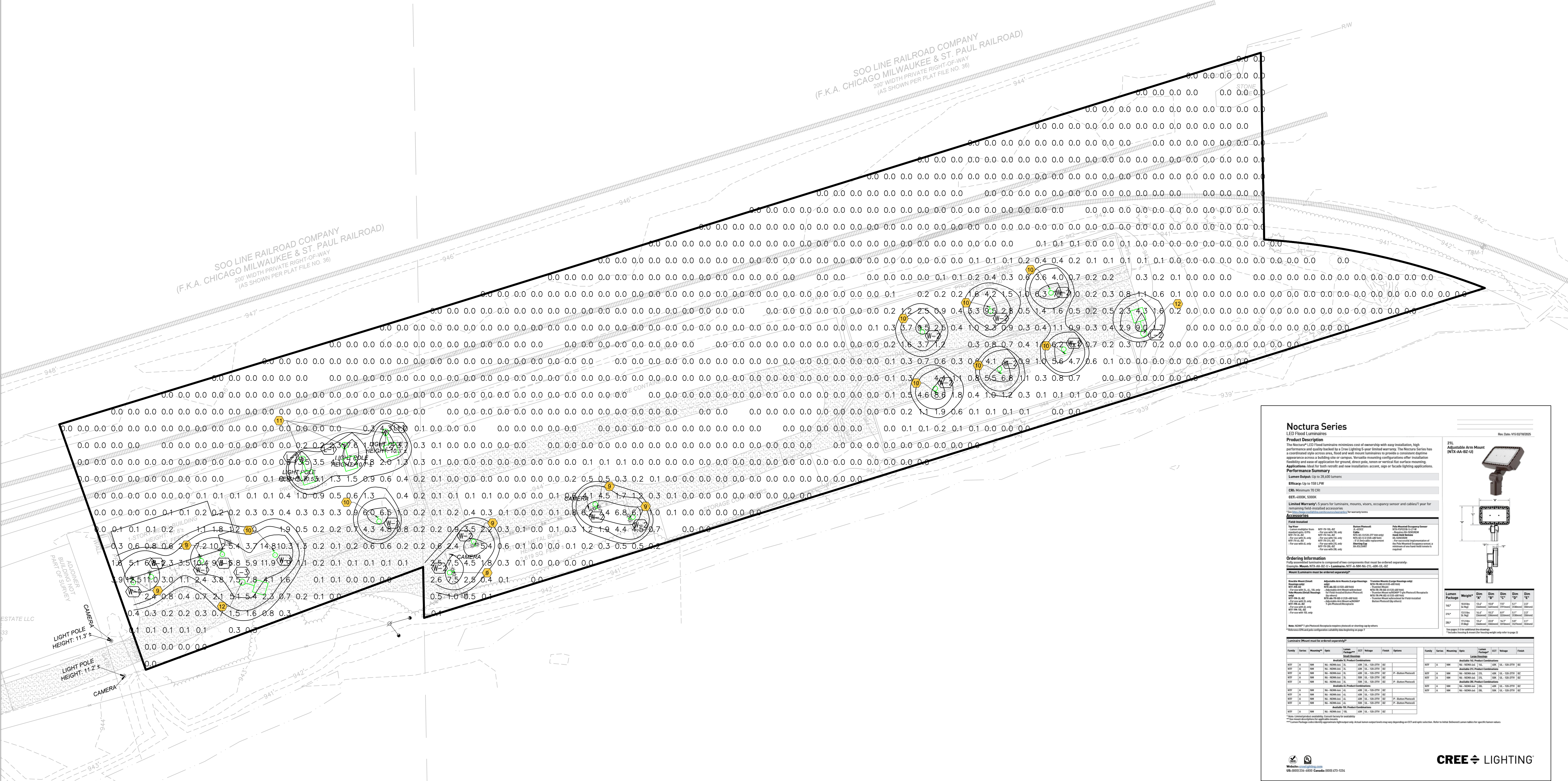
- Coordinate site work with the electrical contractor to provide conduits for site lighting. Re-route existing wiring as necessary.
- Light pole bases shall be designed by others if they are required.
- The contractor shall ensure salvaged light poles are properly reinstalled. The contractor shall be fully responsible for any design necessary for proper installation and be responsible for any failures. Failures shall be repaired at no additional cost to the Owner.
- The listed mounting height in the luminaire schedule includes the height of the light pole base (if applicable).
- Calculations are for Cree Lighting, Noctura Series, any substitutions must be approved and meet city/county standards.
- Contractor shall install each fixture at the angle shown on the plan. Contractor shall adjust the mounting angle at no additional cost to the owner if installation deviates from the plan.
- See luminaire schedule for fixture information.
- Refer to Sheet C0.2 for General, Existing Conditions, and Utility Notes.
- Existing Wall Pack fixture.
- Proposed Wall Pack fixture.
- Existing Light Pole
- Reinstalled Light Pole
- EXISTING FIXTURE MODELS ARE NOT AVAILABLE, MODELS USED IN THE PHOTOMETRIC ANALYSIS ARE BASED OFF SITE PICTURES. HEIGHTS ARE BASED OFF FIELD SURVEY DATA.

CITY OF COLOGNE REQUIREMENTS

- Ordinance 153.064 - Glare: Glare or illumination from any source of lighting from any use shall be aimed or deflected away from adjoining property and public rights of way, except street lighting and traffic signals.

LUMINAIRE SCHEDULE

CALLOUT	SYMBOL	LAMP	DESCRIPTION	MOUNTING	QUANTITY
L-1		Pole Mounted 10.5 Ft Height	Cree Noctura Series, N6-3L-50K	POLE	3
L-2		Pole Mounted 14 Ft Height	Cree Noctura Series, N6-3L-50K	POLE	1
L-3		Pole Mounted 23 Ft Height	Cree Noctura Series, N6-3L-50K	POLE	1
W-1		Wall Mounted 15 Ft Height	Cree Noctura Series, N6-3L-50K	WALL	6
W-2		Wall Mounted 9 Ft Height	Cree Noctura Series, N6-3L-50K	WALL	10



Noctura Series
LED Flood Luminaire

Product Description
The Noctura™ LED Flood luminaire increases cost of ownership with easy installation, high performance and quality backed by a Cree Lighting 5-year limited warranty. The Noctura Series has a combination of features, from end-to-end, designed to provide a consistent lighting appearance across a building site or campus. Versatile mounting configurations offer installation flexibility and ease of application for ground, street pole, arena or special lighting applications.

Performance Summary

Lumen Output:	Up to 20,000 lumens
Efficiency:	Up to 100 lm/w
CEC:	Minimum 70 CEC
CEC:	Minimum 100W

Warranty: 5 years for luminaire, mounts, wires, occupancy sensor and cables (7 year for accessories) (not included accessories)

Accessories

Item	Part Number	Part Description	Part Number	Part Description
1" x 1" x 1" x 1" x 1" x 1"	100-100-100-100-100-100	1" x 1" x 1" x 1" x 1" x 1"	100-100-100-100-100-100	1" x 1" x 1" x 1" x 1" x 1"

Ordering Information
Fully assembled luminaire to be completed of these components that must be ordered separately.
Example: Noctura N6-3L-50K Luminaire 100-100-100-100-100-100

Dimensions (Mount to be ordered separately)

Series	Mounting	Size	Height	Depth	Weight	Options
L-1	POLE	10.5 FT	10.5 FT	10.5 FT	10.5 FT	10.5 FT

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

PROJECT NAME

LOCKED LOON STORAGE EXPANSION

COLOGNE, MN

CLIENT / DEVELOPER

ODAT HOLDINGS, LLC

5904 OAKLAWN AVENUE,
EDINA, MN 55424
612-759-0982

CITY / COUNTY



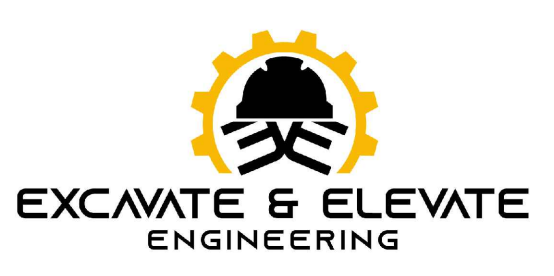
ISSUANCES & REVISIONS

ISSUANCE	DATE
CITYWATERSHED SUBMITTAL	05/07/2025
WATERSHED RESUBMITTAL	05/22/2025
CITYWATERSHED RESUBMITTAL	06/13/2025

CERTIFICATION

PRELIMINARY (NOT FOR CONSTRUCTION)

CITYWATERSHED RESUBMITTAL
06/13/2025



PHONE: 763-245-4233
WEB: ExcavateAndElevateEng.com
CONTACT: Austen Adam
PROJECT NUMBER: 25003

PHOTOMETRICS
C7.0

LOCKED LOON STORAGE EXPANSION

COLOGNE, MN

CLIENT / DEVELOPER

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5904 OAKLAWN AVENUE,
EDINA, MN 55424
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CITY / COUNTY



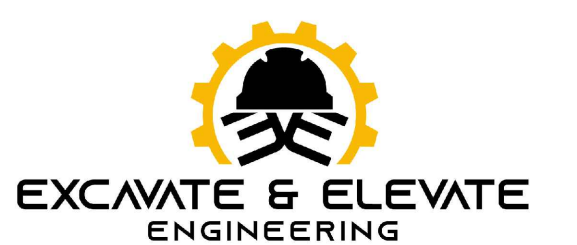
ISSUANCES & REVISIONS

ISSUANCE	DATE
CITY/WATERSHED SUBMITTAL	05/07/2025
WATERSHED RESUBMITTAL	05/22/2025
CITY/WATERSHED RESUBMITTAL	06/13/2025

CERTIFICATION

PRELIMINARY
(NOT FOR
CONSTRUCTION)

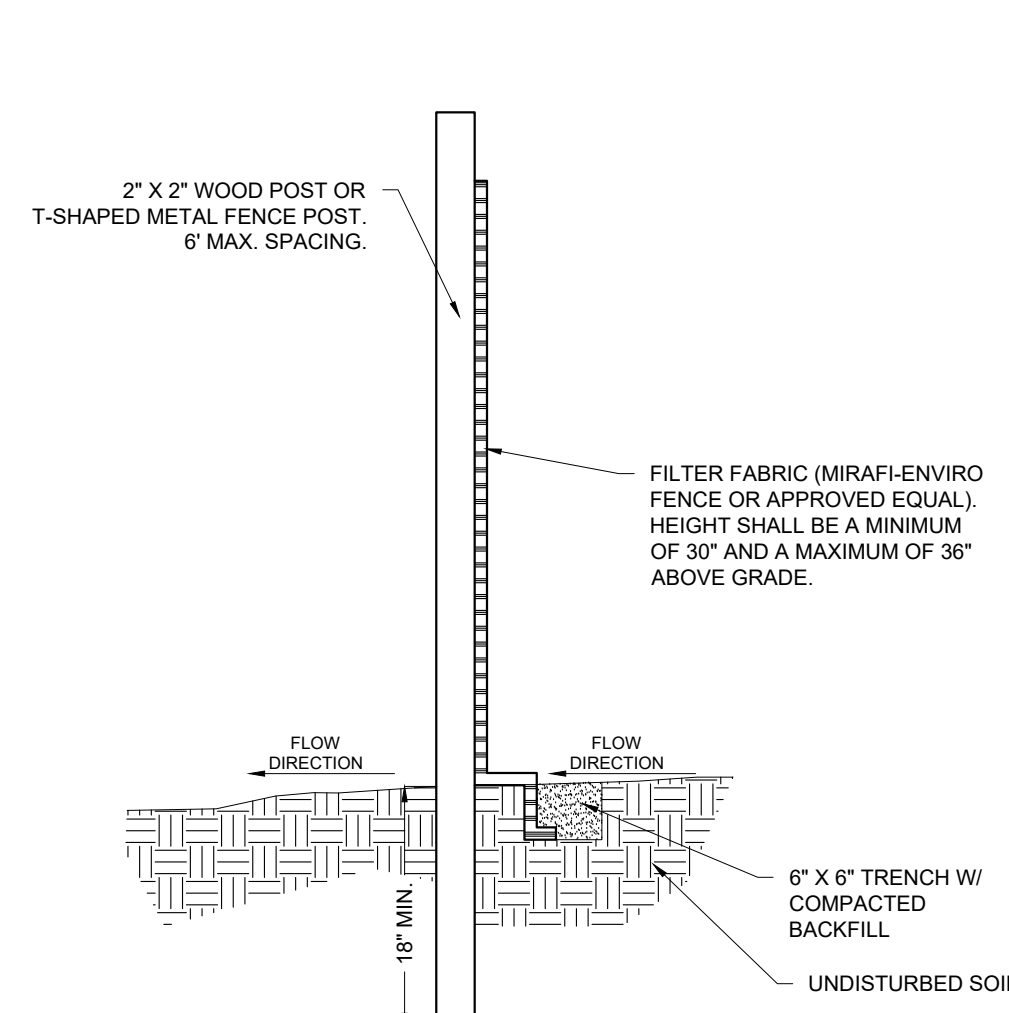
CITY/WATERSHED
RESUBMITTAL
06/13/2025



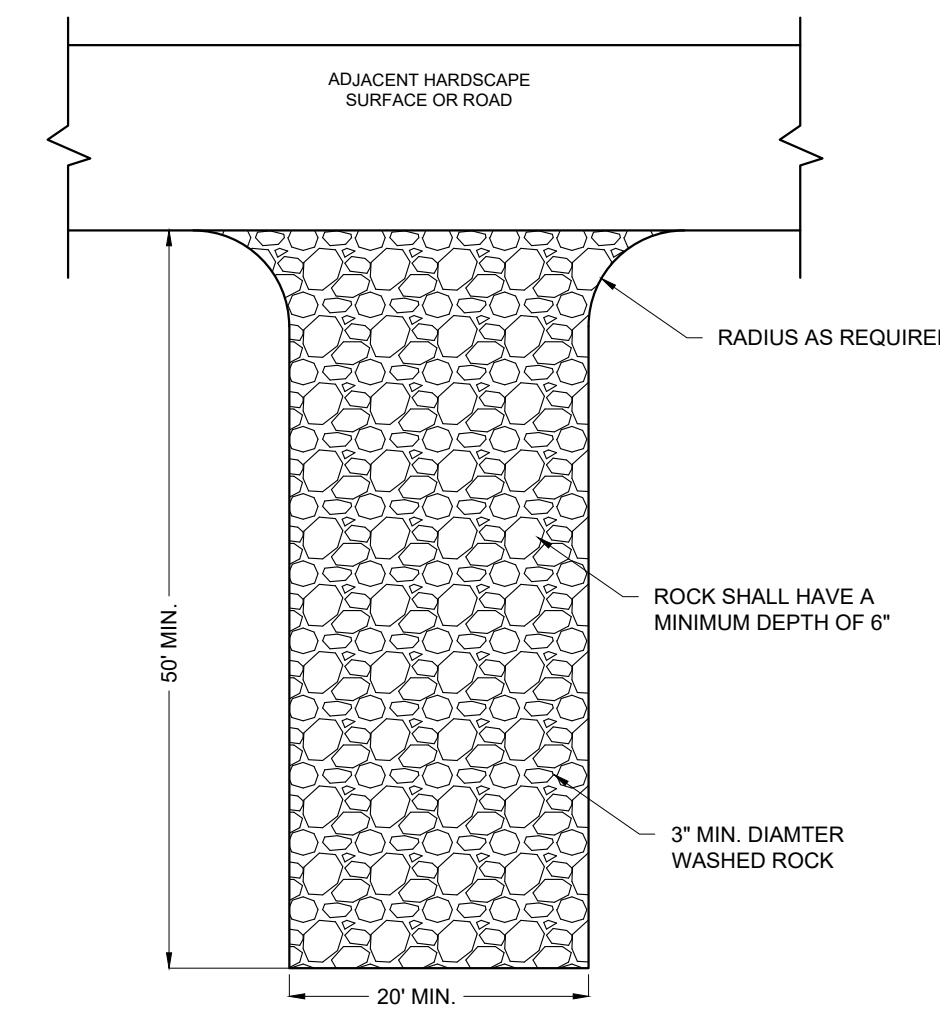
PHONE: 763-245-4233
WEB: ExcavateAndElevateEng.com
CONTACT: Austen Adam
PROJECT NUMBER: 25003

CONSTRUCTION DETAILS

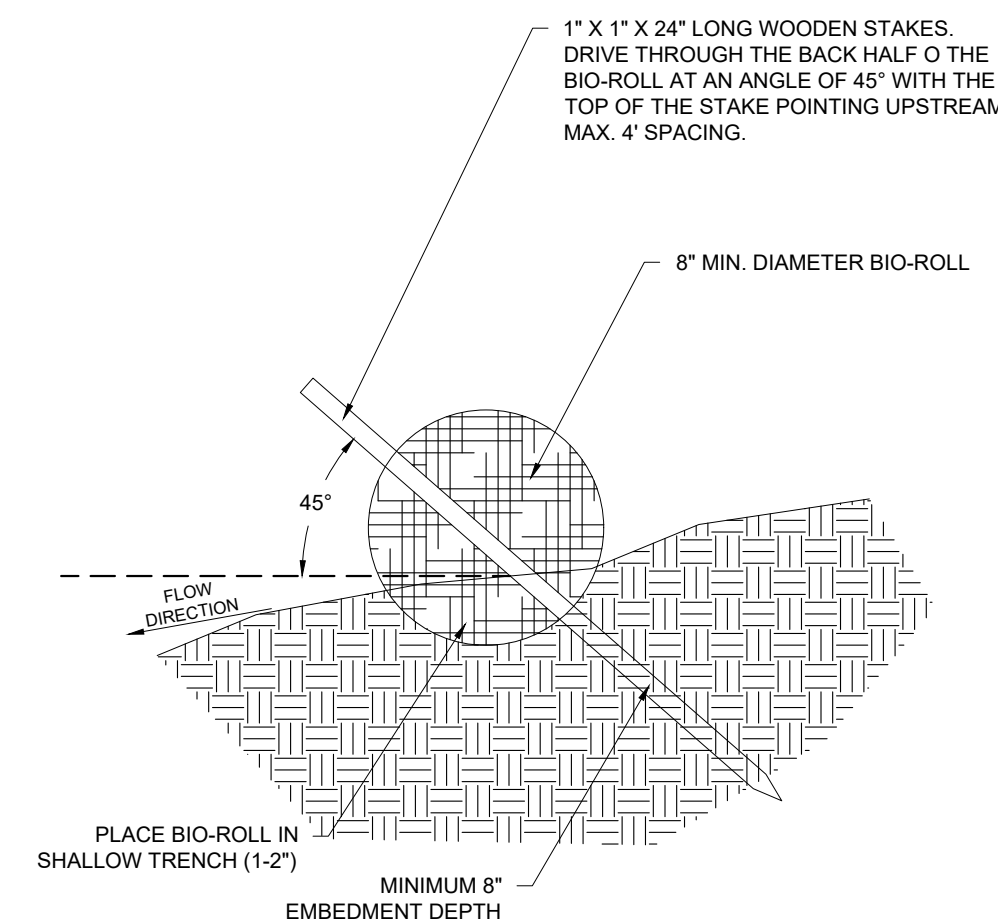
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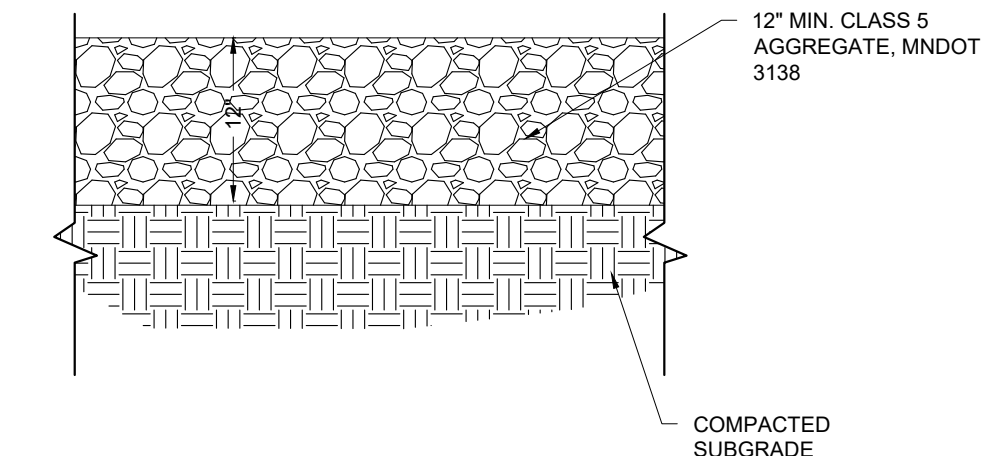
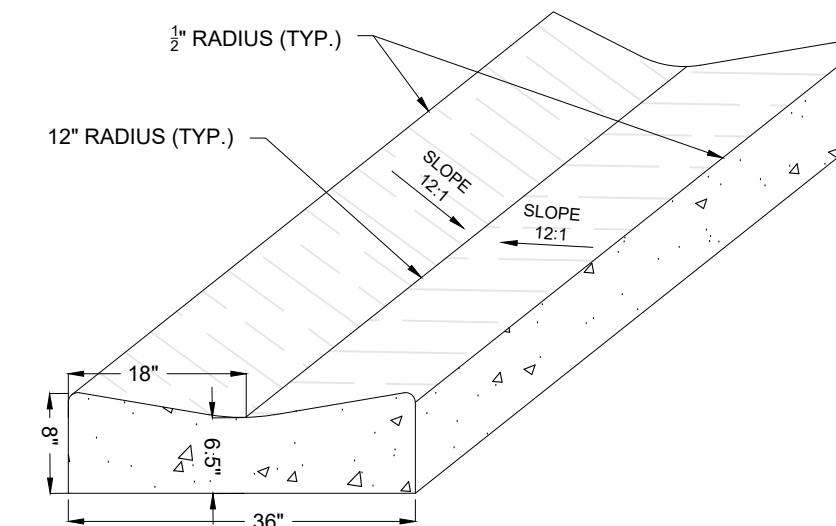
- NOTES:
- Silt fence shall be installed with machine sliced anchor or dug in with a 6" trench.
 - Drive posts into the back side of the trench.
 - Install silt fence on a contour at a constant elevation.
 - Filter fabric shall be installed on the uphill slope side of the fence.
 - Maximum spacing between posts shall be 6 feet.
 - Install a minimum of five fasteners per post.



- NOTES:
- Maximum width of construction entrance is 24 feet.
 - MNDOT 3733 Type V geotextile fabric shall be installed under the rock to prevent the migration of underlying soil into the rock.
 - Maintain entrance throughout the duration of construction. Maintenance shall be sufficient to prevent tracking of sediment onto adjacent roadways.



- NOTES:
- Remove and dispose of accumulated sediment.
 - Replace damaged logs until final stabilization is achieved.



- NOTES:
- In areas where grade is lowered and existing gravel is present, the contractor shall scrape, remove, and re-compact existing gravel material to achieve proposed grades.
 - In areas where grade is heightened and existing gravel is present, the contractor shall add additional class 5 and re-compact to achieve proposed grades.

1 SILT FENCE

NOT TO SCALE

2 CONSTRUCTION ENTRANCE

NOT TO SCALE

3 BIO-ROLL

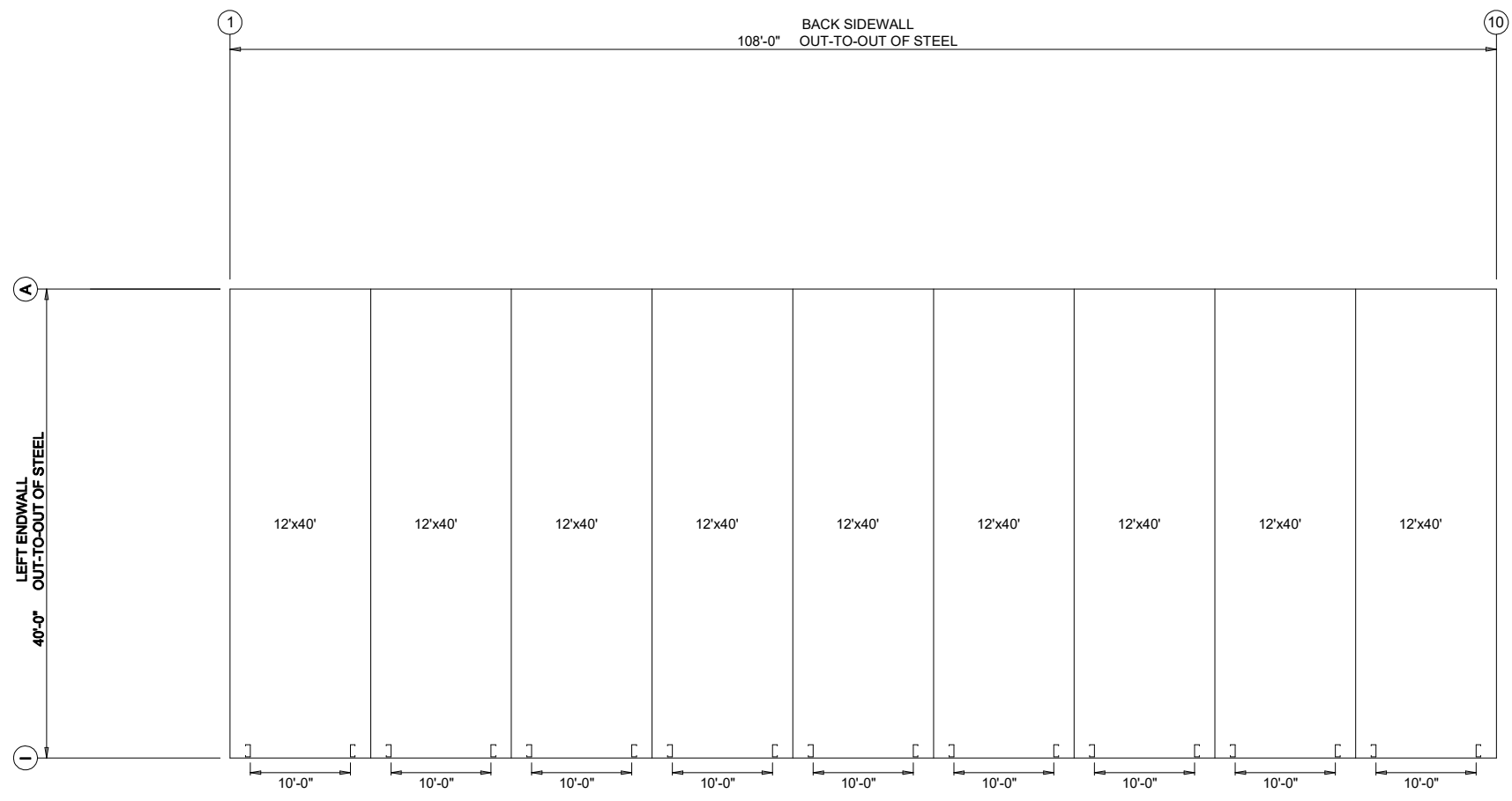
NOT TO SCALE

4 CONCRETE VALLEY GUTTER

NOT TO SCALE

5 TYPICAL GRAVEL SECTION

NOT TO SCALE



FRONT SIDEWALL
UNIT LAYOUT PLAN

RIGHT ENDWALL

Wilshar
WSTEEL
124 Mt. Hebron Rd.
Lowell, AR 72745
Phone: 479-986-0311

DWG # .

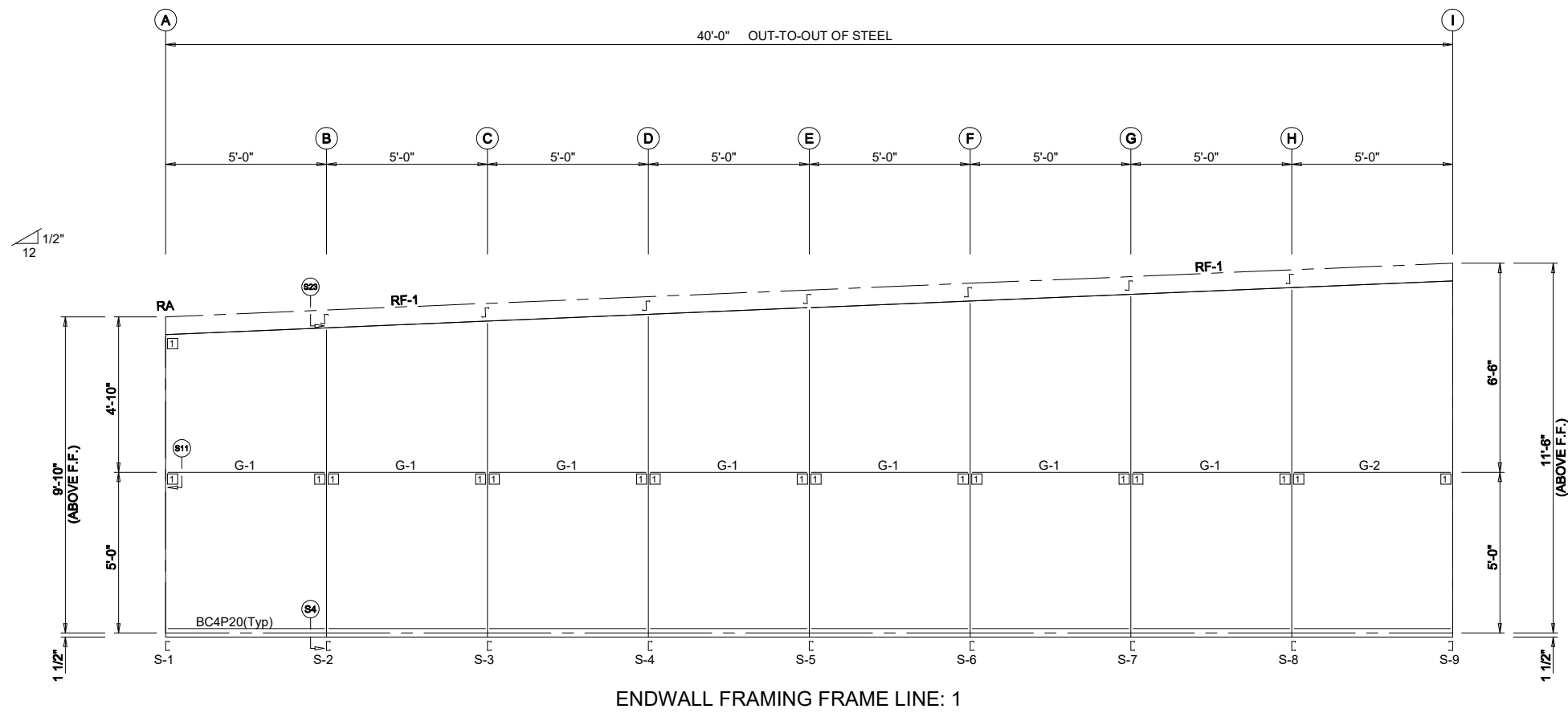
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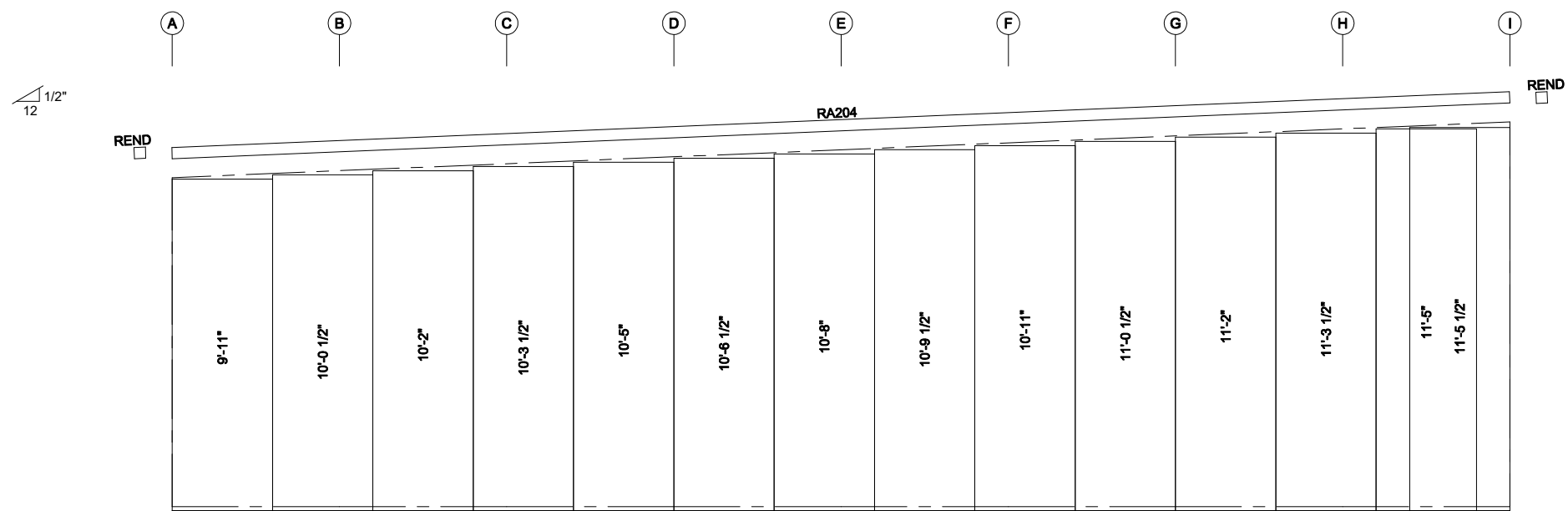
Locked_Loon_1
PROJECT: 40 x 108 x 9.8 x 11.5
LOCATION: Cologne, MN 55332
Locked Loon Expansion

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APPROVAL	BY	DATE
		6/ 2/25
PRINTS ISSUED FOR		



ENDWALL FRAMING FRAME LINE: 1



ENDWALL SHEETING & TRIM FRAME LINE: 1

PANELS: 26 Ga. RL - Gray 40 yr

MARK	PART	LENGTH
S-1	C4216	9'-10"
S-2	C4216	10'-0 1/2"
S-3	C4216	10'-3"
S-4	C4216	10'-5 1/2"
S-5	C4216	10'-8"
S-6	C4216	10'-10 1/2"
S-7	C4216	11'-1"
S-8	C4216	11'-3 1/2"
S-9	C4216	11'-7 1/2"
RF-1	C4216	20'-0 3/16"
G-1	C4216	4'-10"
G-2	C4216	4'-8"

CONNECTION PLATES	
<input type="checkbox"/> ID	MARK/PART
<input type="checkbox"/> 1	MINICLIP

APPROVAL	6/ 2/25	DATE
PRINTS ISSUED FOR	BY	

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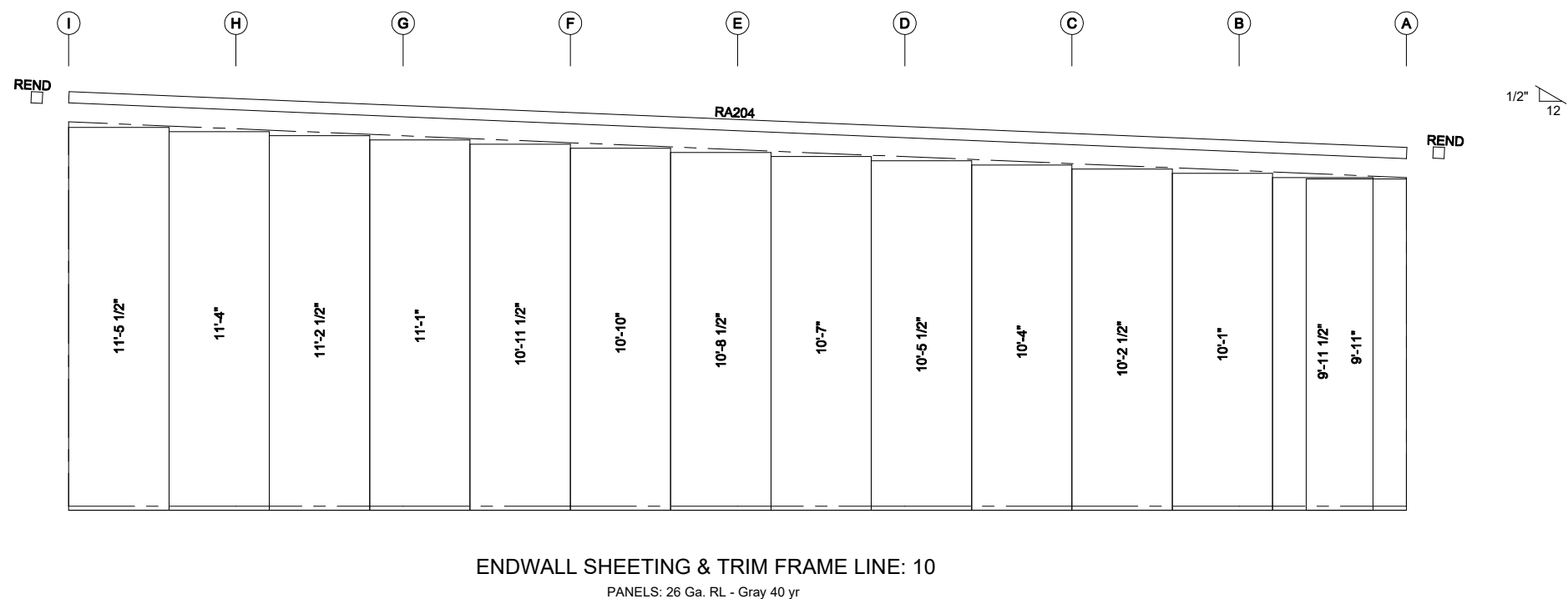
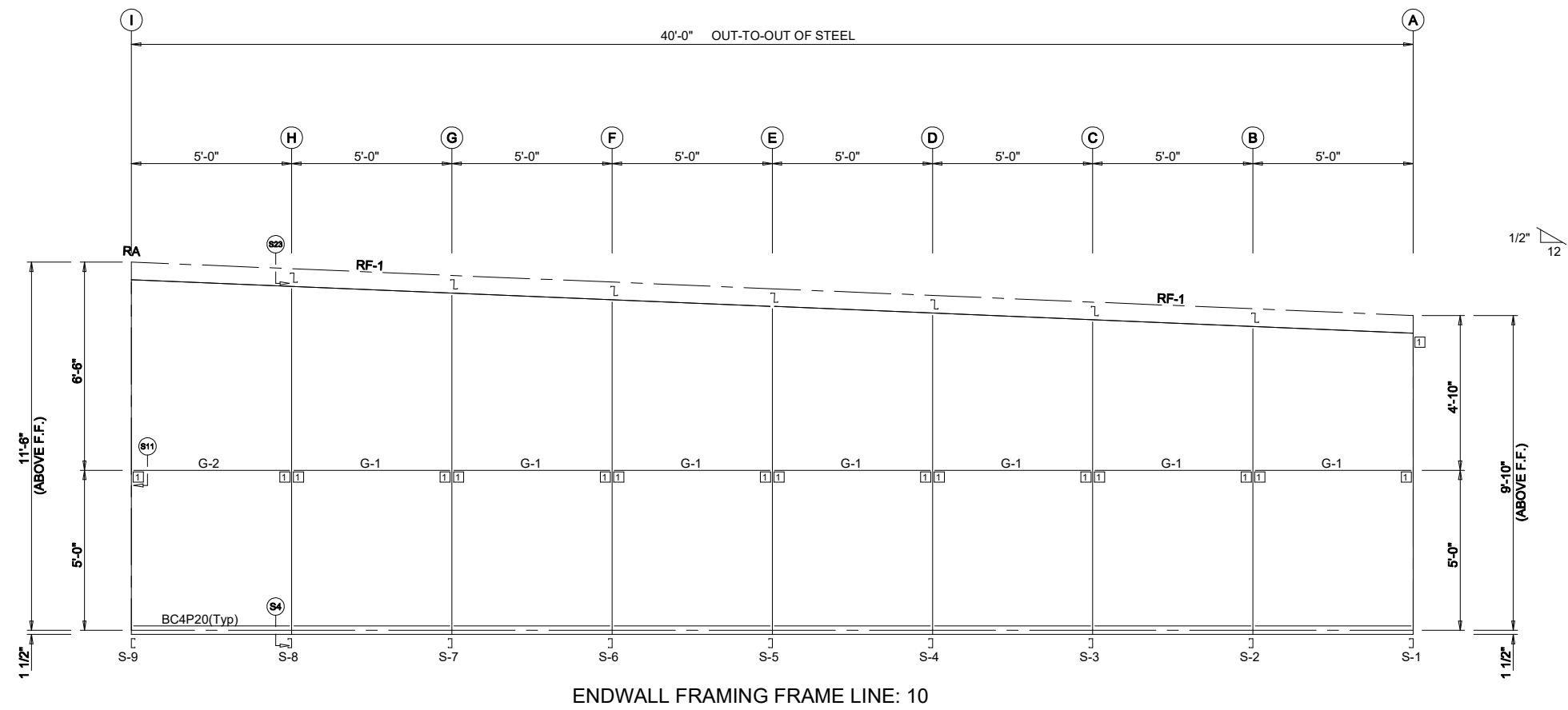
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 Locked Loon Expansion

Wilshar Steel
 124 Mt. Hebron Rd.
 Lowell, AR 72745
 Phone: 479-986-0311

DWG # .

Sheet

01



MARK	PART	LENGTH
S-1	C4216	9'-10"
S-2	C4216	10'-0 1/2"
S-3	C4216	10'-3"
S-4	C4216	10'-5 1/2"
S-5	C4216	10'-8"
S-6	C4216	10'-10 1/2"
S-7	C4216	11'-1"
S-8	C4216	11'-3 1/2"
S-9	C4216	11'-7 1/2"
RF-1	C4216	20'-0 3/16"
G-1	C4216	4'-10"
G-2	C4216	4'-8"

CONNECTION PLATES	
□ ID	MARK/PART
1	MINICLIP

APPROVAL	FOR	BY	DATE
			6/ 2/25

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 Locked Loon Expansion

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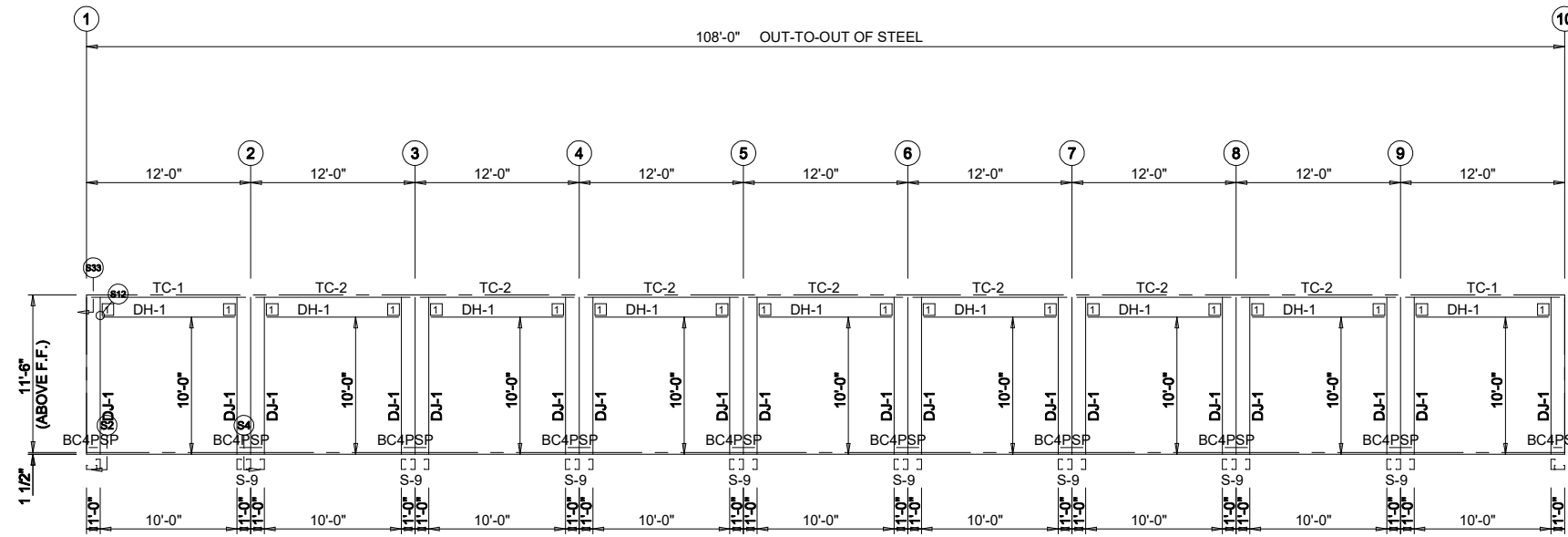
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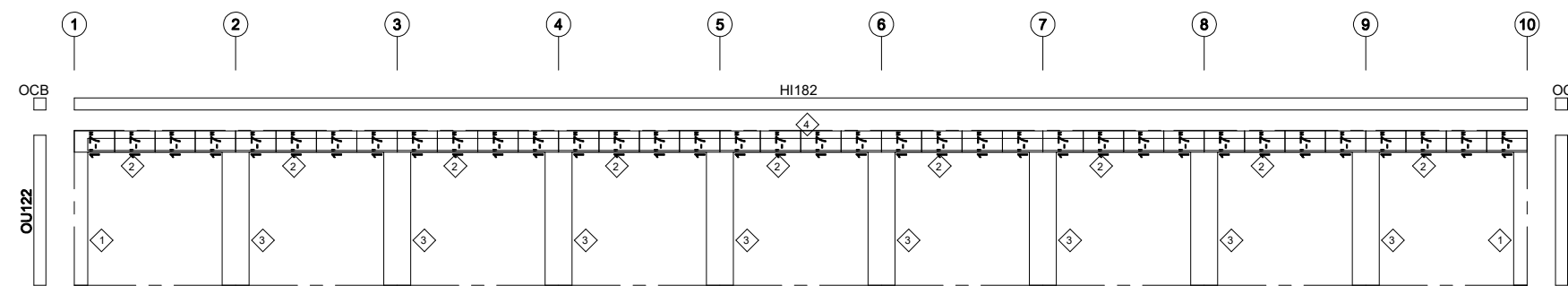
MEMBER TABLE		
MARK	PART	LENGTH
S-9	C4216	11'-7 1/2"
DJ-1	C43516	11'-7 1/4"
TC-1	U4216	11'-11 3/4"
TC-2	U4216	12'-0"
DH-1	C4216	10'-0"

TRIM TABLE		
ID	MARK	LENGTH
1	CM1210	10'-0"
2	HC100	10'-0"
3	MC24V0	10'-0"
4	HE183	18'-3"

CONNECTION PLATES	
ID	MARK/PART
1	MINICLIP



SIDEWALL FRAMING FRAME LINE: I



SIDEWALL SHEETING & TRIM FRAME LINE: I

PANELS: 26 Ga. RL - Gray 40 yr

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APPROVAL	PRINTS ISSUED FOR	BY	DATE
			6/ 2/25