

# VOICE OF HOPE CHURCH

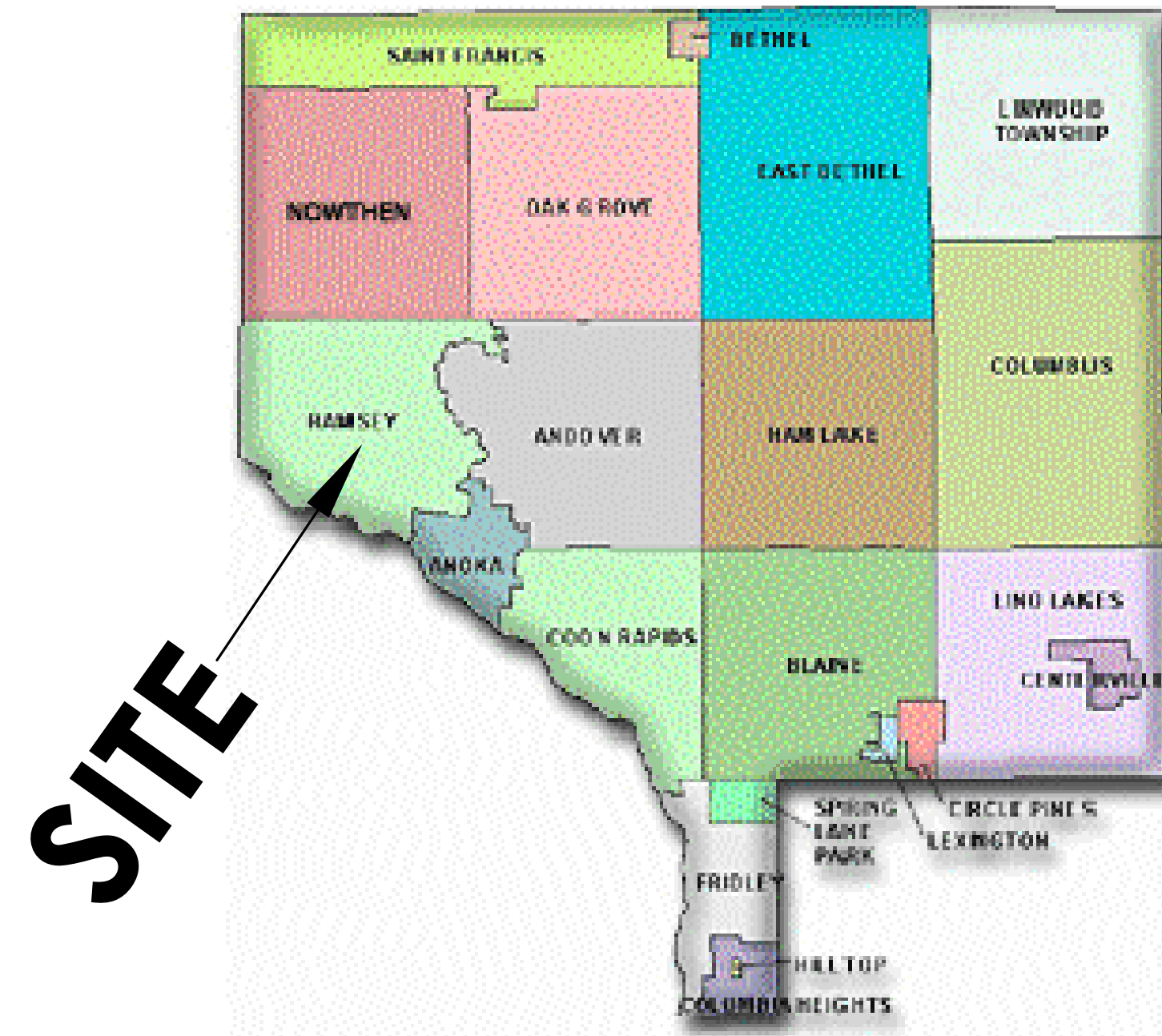
## SITE DEVELOPMENT PROJECT

### RAMSEY, MN

CLIENT:  
**VOICE OF HOPE CHURCH**  
 13850 Lincoln St NE  
 Ham Lake, MN 55304  
 Roman Andriychuk  
 763-516-4206  
 roman.atozcontract@gmail.com



MINNESOTA



ANOKA COUNTY



RAMSEY, MN



PROJECT LOCATION

APPROVED: ANOKA COUNTY ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_

**SITE DEVELOPMENT PROJECT**  
**15620 Armstrong Blvd NW**  
**Ramsey, MN 55303**  
**PROJECT LOCATION PLAN**

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.  
 Date: 02/24/26 Reg. No. 24348  
 PREPARED BY: **CIVIL ENGINEERING**  
**SITE DESIGN**  
 118 East Broadway St.  
 Monticello, Mn 55362  
 Phone: 763-314-0929  
 www.civilso.com

REVISIONS	DATE	BY	SD
06/18/24 GRADING MODIFICATIONS			
07/11/24 CITY COMMENTS			
07/30/24 ADD SEPTIC CONNECTION PER CITY COMMENTS			
07/24/24 WATERSHED COMMENTS			
07/19/25 REDUCE PARKING LOT EXPAN. BASIN			
03/11/25 CITY COMMENTS, REVISED D&I FASEMENT			
08/29/25 GRADING MODIFICATIONS			
08/29/25 REVISED ENTRANCE ELEV.'S & OWNER COMMENTS			
01/09/26 REVISED ENTRANCE ELEVATION AND ADDED NOTES			
02/24/26 REVISED TURN LANE STRIPING AND SIGNS			

DATE 06/14/24	DRAWN BY SD	DESIGNED BY SD	CHECKED BY SD
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FILE NO. 00948

**INDEX OF CIVIL SITE DRAWINGS:**

- C0 PROJECT LOCATION PLAN
- C1.1-C1.2 PRELIMINARY PLAT & SITE DESIGN
- C2 GRADING & DRAINAGE PLAN
- C3 SANITARY & WATER UTILITY PLAN
- C4 STORM SEWER UTILITY PLAN
- C5 SWPPP
- C6 EXISTING CONDITIONS & REMOVAL PLAN
- C7.1-C7.3 DETAILS

**CO**

Project Location Plan

**SURVEY DATA**

SURVEY INFORMATION PROVIDED BY:  
NORTHWESTERN SURVEYING & ENGINEERING, INC.  
P.O. BOX 3067  
BEMIDJ, MN 56601

DATED: OCT. 02, 2023

SITE BENCHMARK:  
NE COR. DEC. 20  
ELEV.=898.83

**EXISTING LEGAL DESCRIPTION**

The North 627.94 feet of the East 727.00 feet, as measured along the East and North lines respectively, thereof, of Section 20, Township 32, Range 25, Anoka County, Minnesota.

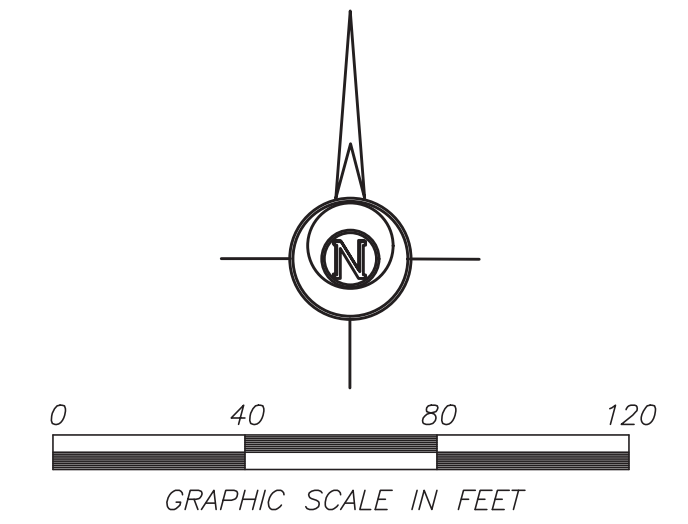
**PARKING DATA:**

REQUIRED PARKING PER CITY CODE:  
ONE SPACE FOR EACH THREE SEATS OF DESIGN CAPACITY  
DESIGN CAPACITY 500 SEATS / 3 = 167 STALLS  
PROPOSED PARKING:  
9'x20' STALLS = 92  
9'x18' STALLS = 94 INCLUDES 8 HANDICAP STALLS  
186 TOTAL

**LEGEND:**

- 908 Existing Contours
- >> Existing Storm Sewer
- x 908.2 Existing Spot Elevation
- << Existing Storm Sewer
- < Existing Sanitary Sewer
- WM WM Existing Watermain Sewer
- T T Existing Underground Telephone
- E Existing Easement Line
- Existing R/w Line
- Existing Boundary Line
- Existing Catch Basin

- Existing Flared End Section
- Proposed Curb And Gutter Standard
- Proposed Curb And Gutter Tip-out
- Proposed Concrete Light Duty Sidewalk
- Propose Lot Line
- Proposed Concrete Heavy Duty
- Proposed Bituminous Pavement
- Concrete Pavement Section Per Structural Design Plans
- Septic Drainfield Protection fence
- Access Control
- Existing Manhole
- Existing Hydrant



**REFERENCE LOT REQUIREMENTS**

ZONING: B1, B2, & B3  
LOT DEPTH 150 FT  
LOT WIDTH 100 FT  
LOT AREA 0.50 AC. & B3=0.75 AC  
SETBACKS: RR  
FRONT SETBACK 40 FT  
SETBACK FROM ARTERIAL ROADWAYS 60 FT  
SIDE SETBACK (INTERIOR) 40 FT  
SIDE SETBACK (TO ROW) 40 FT  
REAR SETBACK 40 FT  
SETBACK TO WETLANDS 16.5 FT  
ZONING: RR  
LOT DEPTH 200 FT  
LOT WIDTH 200 FT  
LOT AREA 2.50 AC  
MIN. LOT FRONTAGE ON A PUBLIC STREET 60 FT  
SETBACKS: B1, B2, & B3  
FRONT SETBACK 20 FT  
SIDE SETBACK (INTERIOR) 10 FT  
SIDE SETBACK (TO ROW) 20 FT  
REAR SETBACK (INTERIOR) 35 FT  
REAR SETBACK (TO ROW) 20 FT  
SETBACK TO RESIDENTIAL DISTRICT 60 FT  
SETBACK TO WETLANDS 16.5 FT

**SITE DATA:**

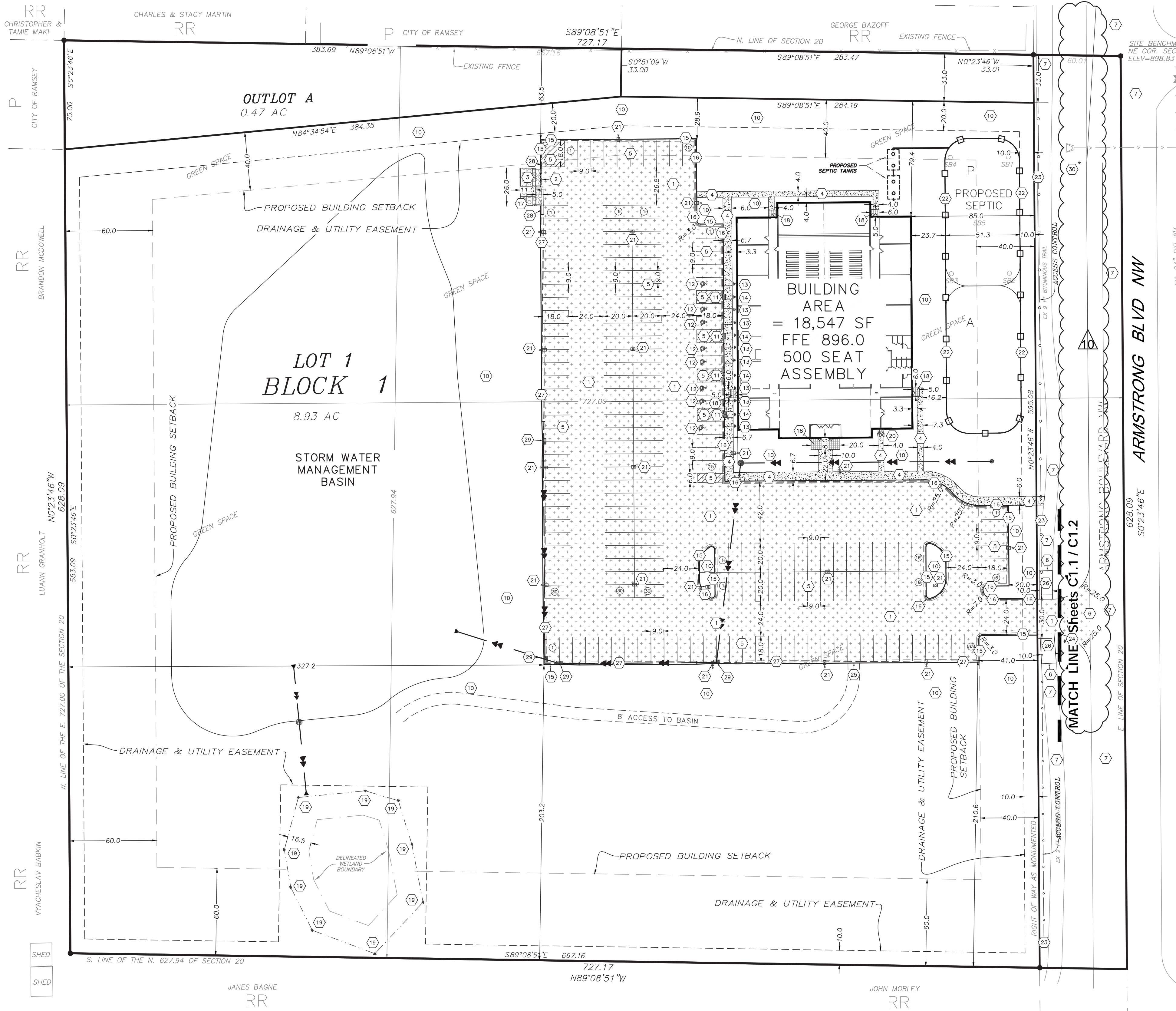
EXISTING ZONING: P1, PUBLIC/INSTITUTIONAL  
TOTAL AREA: 456,508 SF = 10.48 ACRES  
LOT 1, BLK 1 AREA: 388,991 SF = 8.93 ACRES  
EXISTING IMPERIOUS AREA: 941 SF  
PROPOSED BUILDING AREA: 18,547 SF  
PERCENT BUILDING FOOTPRINT COVERAGE: 4.77% (18,547 / 388,991)  
FLOOR AREA RATIO (ALL FLOORS) 0.0477 (18,547 / 388,991)  
PROPOSED IMPERVIOUS AREA: 91,010 SF (includes, proposed building & pavement areas)  
PERCENT PROPOSED IMPERVIOUS AREA: 23.4% (% of lot area; 91,010/388,991)  
TOTAL PERVIOUS AREA: 297,981 SF (landscape, turf areas)  
PERCENT PERVIOUS AREA: 76.6% (% of lot area; 276,100/388,991)  
DISTURBANCE AREA: 6.3 AC

**KEY NOTES:**

- 1 BITUMINOUS PAVEMENT; SEE SECTION ON DETAIL SHEET C7.2
- 2 CONCRETE RIBBON CURB AT TRASH ENCLOSURE; SEE DETAIL ON C7.2
- 3 CONCRETE PAVEMENT HEAVY DUTY; 4,500 PSI MIX; SEE SECTION ON DETAIL SHEET C7.2
- 4 CONCRETE PAVEMENT LIGHT DUTY; 4,500 PSI MIX; SEE SECTION ON DETAIL SHEET C7.2
- 5 PAINT 4" SOLID STRIPE - WHITE LATEX PAINT
- 6 SAWCUT AND REMOVE EXISTING PAVEMENT SURFACE FOR CLEAN EDGE (REPLACE PAVEMENT SURFACE IN-KIND)
- 7 EXISTING PAVEMENT TO REMAIN
- 8 EXISTING UTILITIES OR SITE FEATURE TO REMAIN IN PLACE. CONTRACTOR TO PROTECT
- 9 CONTRACTOR TO COORDINATE RELOCATION OF EXISTING UTILITIES TO ACCOMMODATE CULVERT, DRIVE, AND GRADING
- 10 PERVIOUS AREA
- 11 PED RAMP TO COMPLY WITH AMERICANS WITH DISABILITIES ACT (ADA) REQUIREMENTS. REFERENCE MNDOT STANDARD PLAN 5-297.250 INCLUDING CONTRASTING DETECTABLE WARNING DEVICES. DEPRESS BACK OF CURB AT RAMP. CONTRACTOR TO RESTORE SIDEWALK TO MATCH EXISTING PAVEMENT SECTION.
- 12 PAINT INTERNATIONAL SYMBOL OF ACCESSIBILITY. WHITE LATEX PAINT
- 13 ACCESSIBLE PARKING SIGN (MNDOT NOS. R7-8A & R7-8B). CENTER SIGN ON PARKING STALL. LOCATION PER GENERAL CONTRACTOR. MOUNT ON STEEL CHANNEL POST. SIGN HEIGHT PER MN ADA REQUIREMENTS.
- 14 NO PARKING SIGN (MNDOT # R8-3). CENTER SIGN ON ADA ACCESS AISLE. LOCATION PER GENERAL CONTRACTOR. MOUNT ON STEEL CHANNEL POST. SIGN HEIGHT PER MN ADA REQUIREMENTS.
- 15 B612 (6") CONCRETE CURB & GUTTER MIX 3F32 FOR MACHINE PLACEMENT (MNDOT 2461) MIX 3F52 FOR MANUAL PLACEMENT (MNDOT 2461)
- 16 B612 (6") CONCRETE OUTFLOW CURB & GUTTER. (TIP-OUT FLOWLINE). MIX 3F32 FOR MACHINE PLACEMENT (MNDOT 2461) MIX 3F52 FOR MANUAL PLACEMENT (MNDOT 2461)
- 17 TRASH ENCLOSURE (SEE ARCHITECTURAL PLANS)
- 18 CONCRETE PAVEMENT SECTION PER STRUCTURAL DESIGN PLANS
- 19 PROPOSED WETLAND BUFFER / CONSERVATION EASEMENT SIGN
- 20 FIRE DEPARTMENT CONNECTION ON BUILDING WALL FOR FIRE SUPPRESSION SYSTEM.
- 21 LIGHT POLE. REFER TO LIGHTING AND PHOTOMETRIC PLAN FOR LOCATIONS AND SPECIFICATIONS
- 22 SEPTIC FIELD PROTECTION FENCE
- 23 ACCESS CONTROL
- 24 TRAFFIC SIGN ON STEEL CHANNEL POST. R1-1 STOP SIGN WITH X4-3 OBJECT MARKER
- 25 9-FOOT CURB CUT (DEPRESS BACK OF CURB), SEE DETAIL ON C7.1
- 26 10 FT BITUMINOUS TRAIL (SEE DETAIL ON C7.2)
- 27 D412 MODIFY (3") CONCRETE CURB & GUTTER, SEE DETAIL ON C7.2 MIX 3F32 FOR MACHINE PLACEMENT (MNDOT 2461) MIX 3F52 FOR MANUAL PLACEMENT (MNDOT 2461)
- 28 6 FT TRANSITION TO RIBBON CURB OR CONCRETE PAVEMENT AT TRASH ENCLOSURE
- 29 10 FT TRANSITION TO B612 CURB AT CATCH BASIN INLETS, SEE DETAIL ON C7.2
- 30 TRAFFIC SIGN ON STEEL CHANNEL POST. R3-7(R) RIGHT LANE MUST TURN RIGHT

**INDEX OF CIVIL SITE DRAWINGS:**

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C6	EXISTING CONDITIONS & REMOVAL PLAN
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CLIENT:  
**VOICE OF HOPE CHURCH**  
13850 Lincoln St NE  
Ham Lake, MN 55304  
Roman Andriychuk  
763-516-4206  
roman.atozcontract@gmail.com

**SITE DEVELOPMENT PROJECT**  
**15620 Armstrong Blvd NW Ramsey, MN 55309**  
**PRELIMINARY PLAT OF VOICE OF HOPE CHURCH & SITE DESIGN**

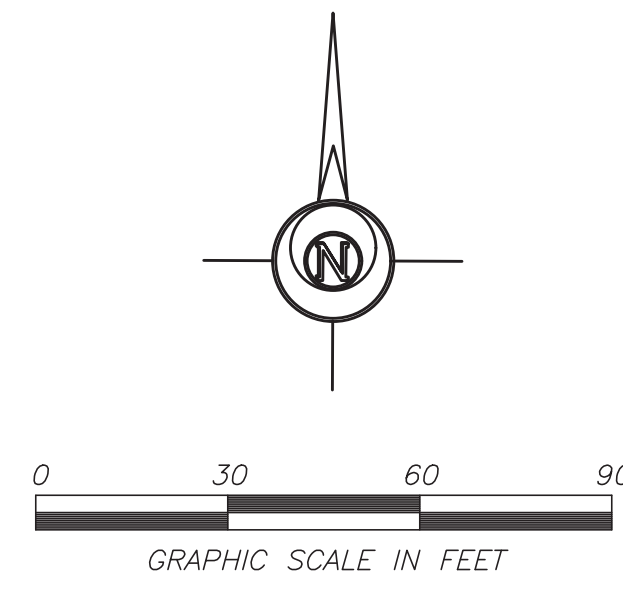
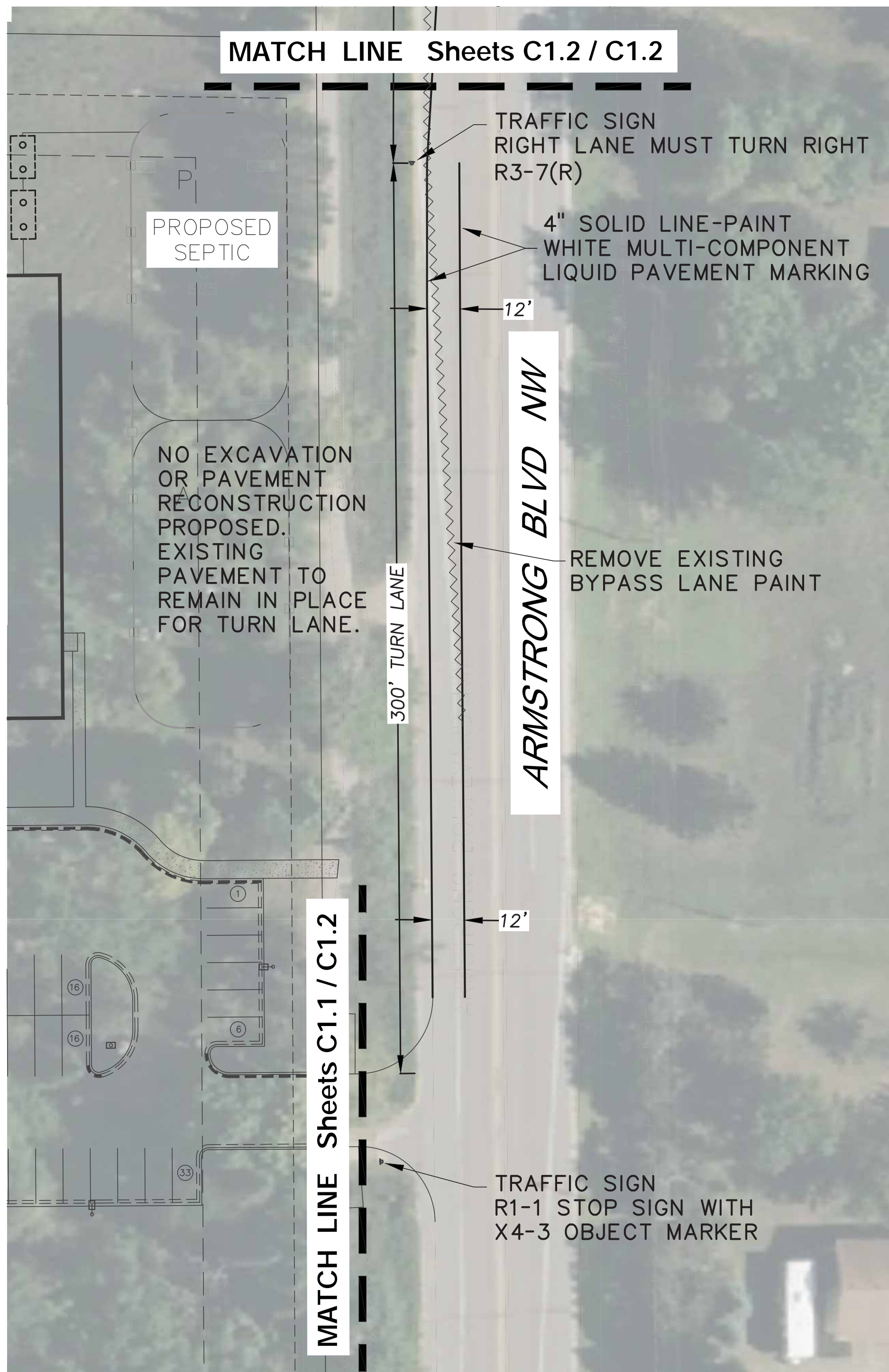
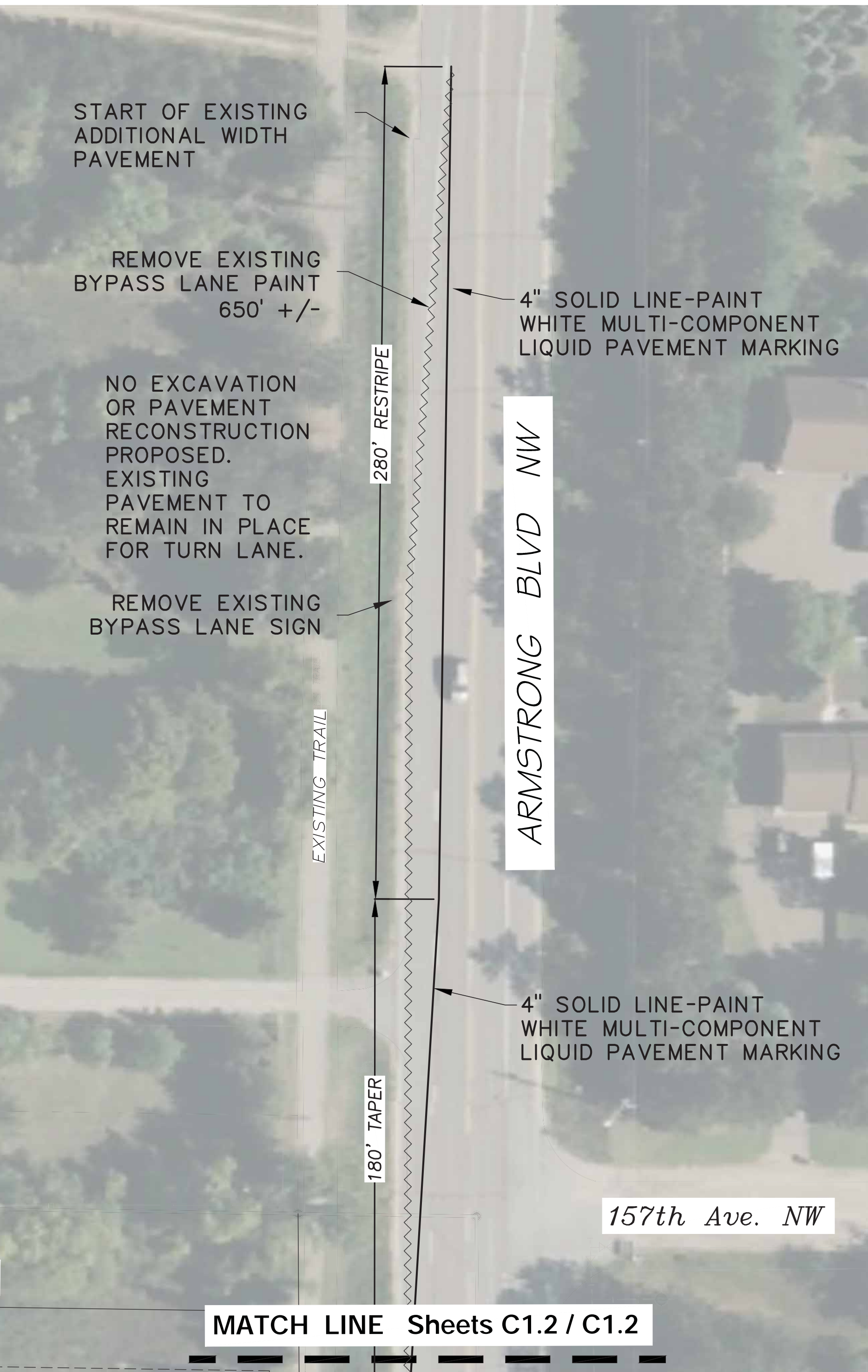
I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.  
Date: 02/24/26 Reg. No. 24348  
PREPARED BY: **CIVIL ENGINEERING SITE DESIGN**  
116 East Broadway St.  
Monticello, Mn 55362  
Phone: 763-314-0929  
www.civiliso.com

DATE	DRAWN BY	DESIGNED BY	CHECKED BY
06/14/24	SD	SD	SD

REVISIONS  
06/18/24 GRADING MODIFICATIONS  
07/11/24 CITY COMMENTS  
07/30/24 ADD SEPTIC CONNECTION PER CITY COMMENTS  
07/24/25 WATERSHED COMMENTS  
07/24/25 REDUCE PARKING LOT EXPAND BASIN  
03/11/25 CITY COMMENTS, REVISED D&I EASEMENT  
08/29/25 REVISED ENTRANCE ELEV'S & OWNER COMMENTS  
01/09/26 REVISED ENTRANCE ELEVATION AND ADDED NOTES  
02/24/26 REVISED TURN LANE STRIPE AND SIGNS

FILE NO. 00948

**C1.1**  
Preliminary Plat & Site Design



**LEGEND:**

— 908 —	Existing Contours
— >> —	Existing Storm Sewer
× 908.2	Existing Spot Elevation
— << —	Existing Storm Sewer
— < —	Existing Sanitary Sewer
— WM — WM —	Existing Watermain Sewer
— T — T —	Existing Underground Telephone
— E —	Existing Underground Electric
~~~~~	Existing Tree Line
-----	Existing Easement Line
-----	Existing R/w Line
-----	Existing Boundary Line
●	Existing Catch Basin
○	Existing Manhole
⊕	Existing Hydrant
▶	Existing Flared End Section
—	Propose Paint Stripe
~~~~~	Existing Paint Stripe Removal

**SURVEY DATA**

SURVEY INFORMATION PROVIDED BY:  
 NORTHWESTERN SURVEYING & ENGINEERING, INC.  
 P.O. BOX 3067  
 BEMIDJI, MN 56601  
 DATED: OCT. 02, 2023  
 SITE BENCHMARK:  
 NE COR. DEC. 20  
 ELEV.=898.83

**EXISTING LEGAL DESCRIPTION**

The North 627.94 feet of the East 727.00 feet, as measured along the East and North lines respectively, thereof, of Section 20, Township 32, Range 25, Anoka County, Minnesota.

**NOTE:**

1. ALL LONGITUDINAL STRIPING SHALL BE EPOXY (MULTI-COMP GROUND IN)
2. TRAFFIC SIGNS WILL BE PLACED IN ACCORDANCE TO MN. MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

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C7.1-C7.3	DETAILS

CLIENT:  
**VOICE OF HOPE CHURCH**  
 13850 Lincoln St NE  
 Ham Lake, MN 55304  
 Roman Andriychuk  
 763-516-4206  
 roman.atozcontract@gmail.com

**SITE DEVELOPMENT PROJECT**  
**15620 Armstrong Blvd NW Ramsey, MN 55303**  
**RIGHT TURN LANE SITE DESIGN**

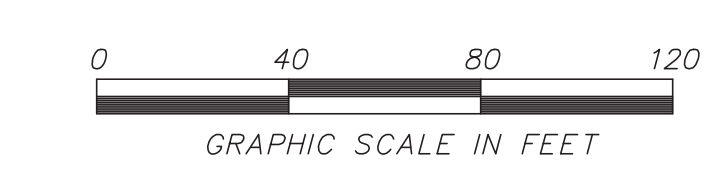
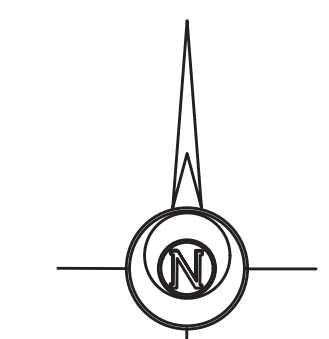
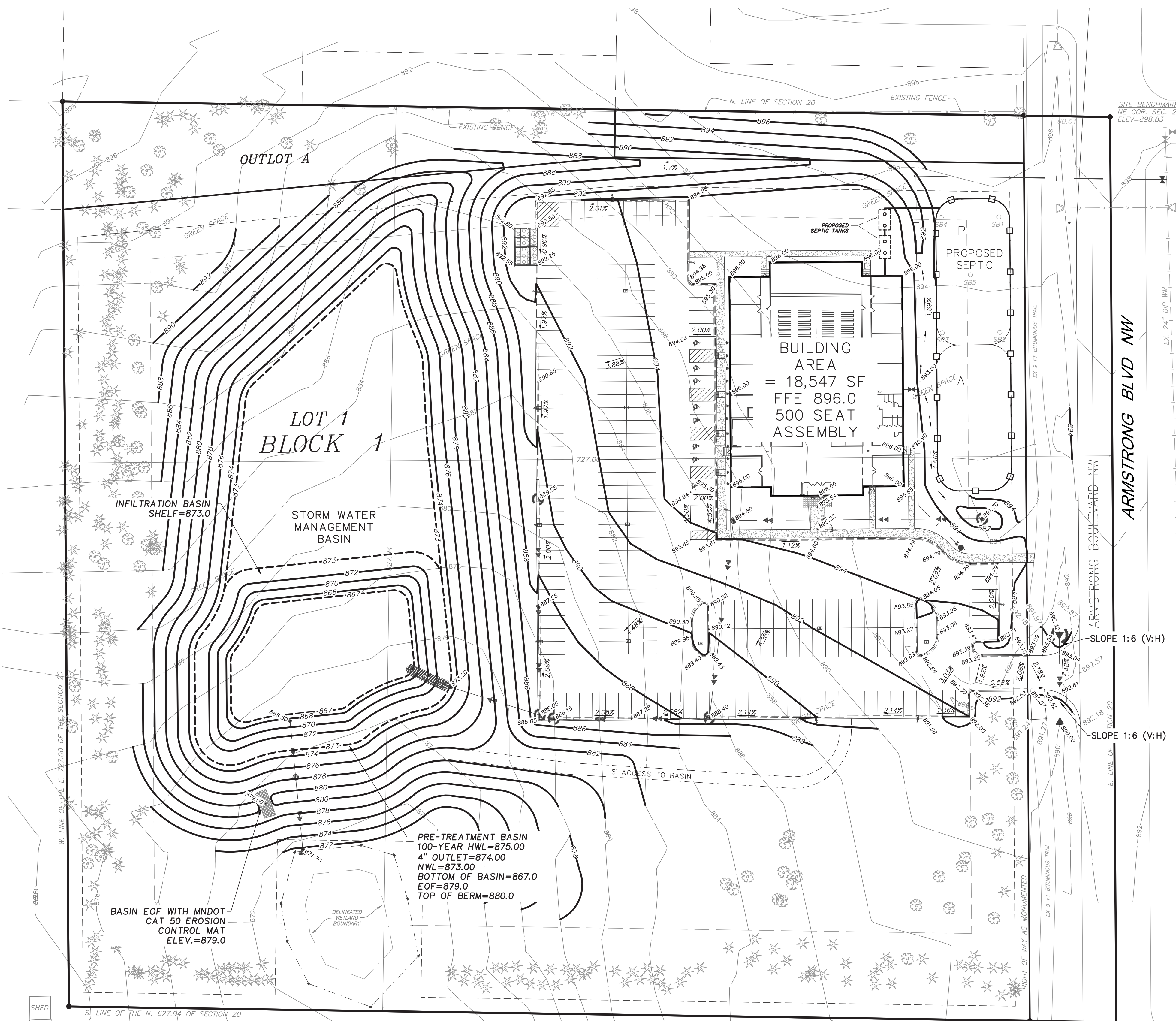
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 Date: 02/24/26 Reg. No. 24348  
 PREPARED BY: **CIVIL ENGINEERING SITE DESIGN**  
 118 East Broadway St.  
 Monticello, Mn 55362  
 Phone: 763-314-0929  
 www.civilesd.com

REVISIONS	DATE	BY	SD	COMMENTS
06/18/24	GRADING MODIFICATIONS			
07/11/24	CITY COMMENTS			
07/30/24	ADD SEPTIC CONNECTION PER CITY COMMENTS			
08/24/24	WATERSHED COMMENTS			
09/12/24	REDUCE PARKING LOT EXPAN. BASIN			
03/11/25	CITY COMMENTS, REVISED D&I EASEMENT			
08/29/25	GRADING MODIFICATIONS			
01/09/26	REVISED ENTRANCE ELEV.'S & OWNER COMMENTS			
02/24/26	REVISED TURN LANE STRIPING AND SIGNS			

DATE	06/14/24
DRAWN BY	SD
DESIGNED BY	SD
CHECKED BY	SD

FILE NO. 00948

**C1.2**  
 Right Turn Lane Site Design



- LEGEND:**
- 908 — Existing Contours
  - - - Existing Storm Sewer
  - x 908.2 Existing Spot Elevation
  - 908 — Proposed Contours
  - - - Proposed Storm Sewer
  - x ###.## Proposed Spot Elevation
  - #-% — Flow Direction
  - Proposed Storm Sewer Inlet Protection
  - Septic Drainfield Protection fence

**SURVEY DATA**

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 NORTHWESTERN SURVEYING & ENGINEERING, INC.  
 P.O. BOX 3067  
 BEMIDJI, MN 56601  
 DATED: OCT. 02, 2023  
 SITE BENCHMARK:  
 NE COR. SEC. 20  
 ELEV.=898.83

**GENERAL GRADING NOTES:**

1. Specifications applicable for this project: Current standard specifications for City of Ramsey, MN, and the latest Minnesota Department of Transportation Specifications for Highway Construction and all NPDES requirements except where modified by these contract documents.
2. OSHA requirements shall be followed for all work on this project.
3. The Contractor shall notify "Gopher State One Call" 48 hours prior to any excavation (1-800-252-1166.)
4. The Grading Contractor shall verify all locations and elevations of underground utilities with utility companies prior to any construction, and immediately notify the Engineer of any conflicts.
5. Erosion Control shall be constructed, as applicable, as sequenced below:
  - A) Silt Fence.
  - B) Rock Construction Entrance.
  - C) Demolition
  - D) Common excavation (grading).
  - E) Seed and mulch or sod (See notes on Landscape plan).
6. Final Plat shall govern for easements and lot dimensions.
7. Any erosion control items necessary to protect adjacent properties shall be constructed by the Grading Contractor.
8. Erosion control maintenance shall be performed by the Grading Contractor, and removed as per the Contract Documents or as directed by the Engineer, followed by all necessary restoration of disturbed area. This work shall be incidental to the grading contract.
9. The Grading Contractor shall schedule the soils engineer to facilitate certification of all controlled fills in a timely fashion. Density tests shall meet the following:
  - A) Within the upper 3' of streets, the Grading Contractor shall utilize approved soils that are within 1% of the optimum moisture content as defined by the Standard Proctor Test—ASTM: D-698 with compaction meeting 100% Standard Proctor Density and not exceeding this compaction by more than 1%. Below the upper 3', compaction shall meet 95% Standard Proctor Density, and be within 3% of the optimum moisture content. Grading tolerances shall be 0.1'.
  - B) Grading tolerances for the remainder of the site shall be 0.25'.
10. All areas of unsuitable soils found in the pad described above that cannot be corrected shall be located in the field by the Grading Contractor. The Grading Contractor shall immediately notify the Engineer of these areas and provide information as to their size and location.
11. The Grading contractor shall provide positive drainage on the site at all times.
12. The Grading Contractor shall keep public streets and travel ways clear of soil and debris. Daily cleaning at the construction entrance shall be performed, especially at the end of each day's work.
13. All silt fence shall be removed at project completion.
14. All erosion control best management practices shall be per City standards.

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**SITE DEVELOPMENT PROJECT**  
**15620 Armstrong Blvd NW**  
**Ramsey, MN 55903**  
**GRADING & DRAINAGE PLAN**

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.  
*S. D. W. K.*  
 Date: 02/24/26 Reg. No. 24348  
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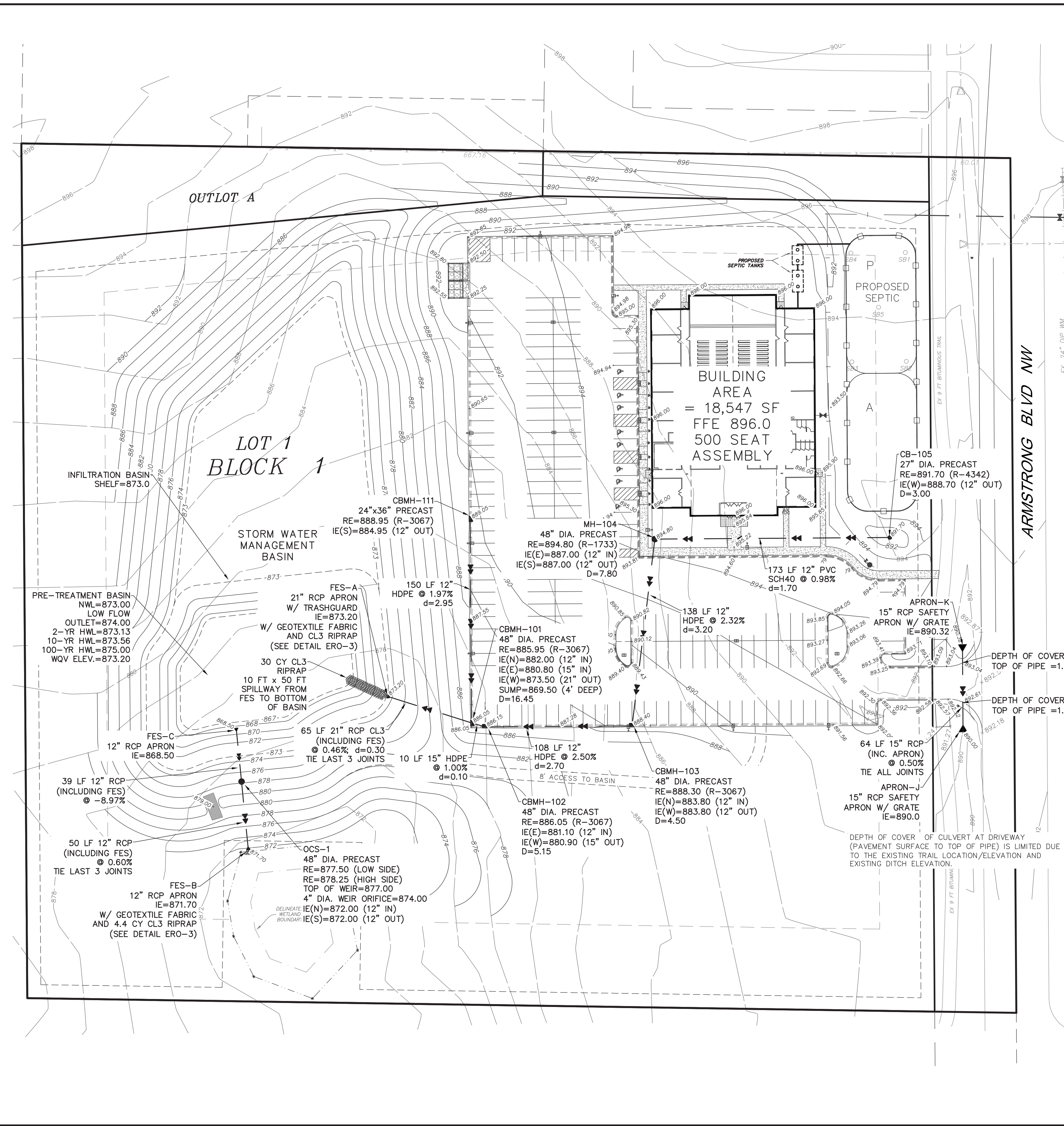
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02/24/26 REVISED TURN LANE STRIPS	02/24/26			

DATE	06/14/24	DRAWN BY	SD	DESIGNED BY	SD	CHECKED BY	SD
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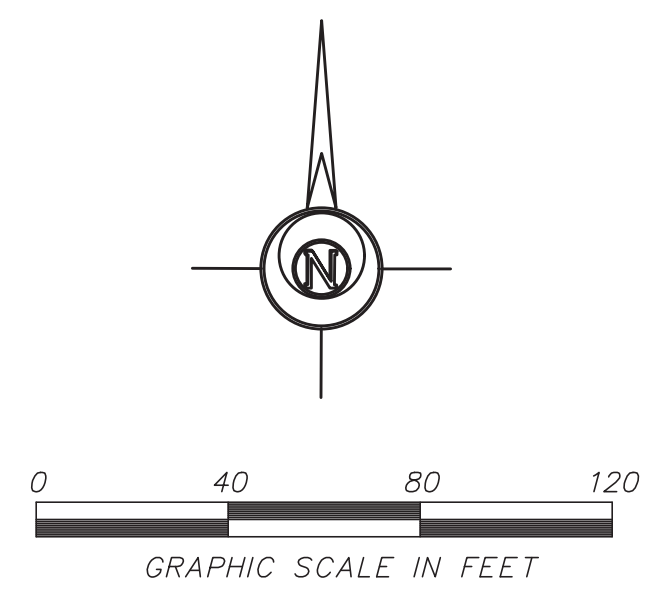
**C2**  
 Grading & Drainage Plan





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 NE COR. DEC. 20  
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- Existing Boundary Line
- Existing Catch Basin
- Existing Manhole
- ⊗ Existing Hydrant
- ▲ Existing Flared end Section
- Proposed Street R/W
- Proposed Lot Line
- - - Proposed Setback
- - - Proposed Easement
- ▲- Proposed Sanitary Sewer
- - - Proposed Water Main
- ▲- Proposed Storm Sewer

**GENERAL UTILITY NOTES**

- SPECIFICATIONS APPLICABLE FOR THIS PROJECT: CURRENT STANDARD SPECIFICATIONS FOR THE CITY OF RAMSEY AND THE LATEST VERSION OF THE STANDARD UTILITY SPECIFICATIONS BY THE CITY ENGINEERS ASSOCIATION OF MINNESOTA.
- OSHA REQUIREMENTS SHALL BE FOLLOWED FOR ALL WORK ON THIS PROJECT.
- THE CONTRACTOR SHALL NOTIFY GOPHER STATE ONE CALL 48 HOURS PRIOR TO ANY EXCAVATION.
- THE CONTRACTOR SHALL VERIFY ALL LOCATIONS AND ELEVATIONS OF UNDERGROUND UTILITIES WITH UTILITY COMPANIES PRIOR TO ANY CONSTRUCTION AND IMMEDIATELY NOTIFY THE ENGINEER OF ANY CONFLICTS.
- THE CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES AND FACILITIES TO ALLOW PROPER FUNCTIONING DURING AND AFTER CONSTRUCTION. ANY REQUIRED SUPPORTING STRUCTURES SHALL BE SUPPLIED BY THE CONTRACTOR AS WORK INCIDENTAL TO THE CONTRACT.
- THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY CONFLICTS BETWEEN EXISTING UTILITIES AND THE PROPOSED CONSTRUCTION. THE ENGINEER WILL COORDINATE WITH THE UTILITY COMPANY IN QUESTION TO DETERMINE THE NEED FOR RELOCATION OF THE EXISTING UTILITY.
- EXISTING CONDITIONS SUCH AS SAND IN MANHOLES OR VALVE BOXES SHALL BE IDENTIFIED BY THE CONTRACTOR AND THESE SHALL BE REPORTED TO THE ENGINEER PRIOR TO EXCAVATION BY THE CONTRACTOR. ONCE CONSTRUCTION HAS BEGUN, ALL DAMAGE TO UNDERGROUND UTILITIES WILL BE ASSUMED TO HAVE BEEN CAUSED BY THE CONTRACTOR. ANY REPAIRS NECESSARY SHALL BE PERFORMED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
- FINAL PLAT SHALL GOVERN FOR EASEMENTS AND LOT LINES.
- THE CONTRACTOR SHALL NOTIFY THE CITY ENGINEER AND PROJECT ENGINEER 48 HOURS PRIOR TO STARTING WORK OR AS REQUIRED BY THE LOCAL JURISDICTION OR BE SUBJECT TO BEING SHUT DOWN.
- THE CONTRACTOR SHALL PRESERVE AND PROTECT THE MARKERS AND MONUMENTS SET FOR THE SUBDIVISION OF THE LAND.
- THE CONTRACTOR SHALL SCHEDULE THE SOILS ENGINEER TO FACILITATE CERTIFICATION OF ALL CONTROLLED FILLS IN A TIMELY MANNER. DENSITY TESTS SHALL MEET THE FOLLOWING:
  - A. WITHIN THE UPPER 3' OF STREETS OR PAVEMENT, THE GRADING CONTRACTOR SHALL UTILIZE APPROVED SOILS THAT ARE WITHIN 1% OF THE OPTIMUM MOISTURE CONTENT AS DEFINED BY ASTM D-698 STANDARD PROCTOR TEST MEETING 100% STANDARD PROCTOR DENSITY AND NOT EXCEEDING THIS COMPACTION BY MORE THAN 1%. BELOW THE UPPER 3', COMPACTION SHALL MEET 95% STANDARD PROCTOR DENSITY AND BE WITHIN 3% OF THE OPTIMUM MOISTURE CONTENT. GRADING TOLERANCES SHALL AVERAGE 0.1", BUT SHALL NOT BE CONSISTENTLY HIGH OR LOW.
  - B. GRADING TOLERANCES FOR THE REMAINDER OF THE SITE SHALL BE 0.15".
- THE OWNER SHALL PAY FOR ALL TESTING OF SOILS COMPACTION. ANY AREAS WHICH FAIL TO MEET THE ABOVE STANDARDS SHALL BE CORRECTED AND RE-TESTED BY THE OWNER'S TESTING AGENCY AT THE CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL PROVIDE TEMPORARY TRAFFIC CONTROL AS NEEDED IN COMPLIANCE WITH MnDOT TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS FIELD MANUAL (CURRENT VERSION) FOR CONSTRUCTION ADJACENT TO TRAVEL WAYS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF THE DEPTH OF EXISTING UTILITIES LISTED ON THIS PLAN PRIOR TO ORDERING OF ANY FITTINGS, STRUCTURES, CASTINGS, ETC. ENGINEER AND OWNER SHALL NOT BE RESPONSIBLE FOR ANY DISCREPANCIES FOUND AS DEPTHS ARE ESTIMATED.
- CONTRACTOR TO COMPLY WITH ALL REGULATORY AGENCY PERMIT CONDITIONS FOR PERMITS OBTAINED BY THE OWNER AND FOR PERMITS OBTAINED BY THE GENERAL CONTRACTOR.
- ALL WORK PERFORMED AND MATERIALS USED FOR CONSTRUCTION OF UTILITIES MUST CONFORM TO THE CITY OF RAMSEY STANDARD SPECIFICATIONS AND DETAILS.

**STORM SEWER UTILITY NOTES:**

- ALL MANHOLE CASTINGS IN PAVEMENT SHALL BE SUMPED 0.05'. ALL CATCHBASIN CASTINGS IN CURB SHALL BE SUMPED 0.10'. RIM ELEVATIONS SHOWN ON PLAN REFLECT SUMPED ELEVATIONS.
- CASTINGS SHALL BE NEENAH R-1733 FOR MANHOLES, R-3067 FOR CATCH BASINS, AND R-4342 FOR YARD INLET (OR EQUIVALENT).
- ALL STORM SEWER MATERIALS SHALL BE HDPE (ASTM 2306) DUAL WALL PIPE OR REINFORCED CONCRETE PIPE (ASTM C76) WITH WATER TIGHT JOINTS UNLESS NOTED OTHERWISE.
- SANITARY AND STORM SEWER CROSSING ABOVE OR LESS THAN 12 INCHES BELOW A WATER SERVICE SHALL BE PVC PIPE ASTM D 1785, ASTM D 2665, ASTM F 891, ASTM F 1488, ASTM F 1760, OR ABS PIPE ASTM F 1488 WITH THE WATER SERVICE NOT CONTAINING ANY JOINTS OR CONNECTIONS WITHIN 10 FEET OF THE CROSSING.
- TRACER WIRE IS TO BE INSTALLED WITH ALL STORM SEWER LINES PER CITY STANDARDS.
- ALL FLARED END SECTIONS 18" AND LARGER SHALL BE FITTED WITH TRASH GUARDS.

**INDEX OF CIVIL SITE DRAWINGS:**

C0	PROJECT LOCATION PLAN
C1.1-C1.2	PRELIMINARY PLAT & SITE DESIGN
C2	GRADING & DRAINAGE PLAN
C3	SANITARY & WATER UTILITY PLAN
C4	STORM SEWER UTILITY PLAN
C5	SWPPP
C6	EXISTING CONDITIONS & REMOVAL PLAN
C7.1-C7.3	DETAILS

CLIENT:  
**VOICE OF HOPE CHURCH**  
 13850 Lincoln St NE  
 Ham Lake, MN 55304  
 Roman Andriychuk  
 763-516-4206  
 roman.atozcontract@gmail.com

**SITE DEVELOPMENT PROJECT**  
**15620 Armstrong Blvd NW Ramsey, MN 55303**  
**STORM SEWER UTILITY PLAN**

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision, and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.  
 Date: 02/24/26 Reg. No. 24348  
**PREPARED BY: CIVIL ENGINEERING SITE DESIGN**  
 116 East Broadway St.  
 Monticello, Mn 55362  
 Phone: 763-314-0929  
 www.civilesa.com

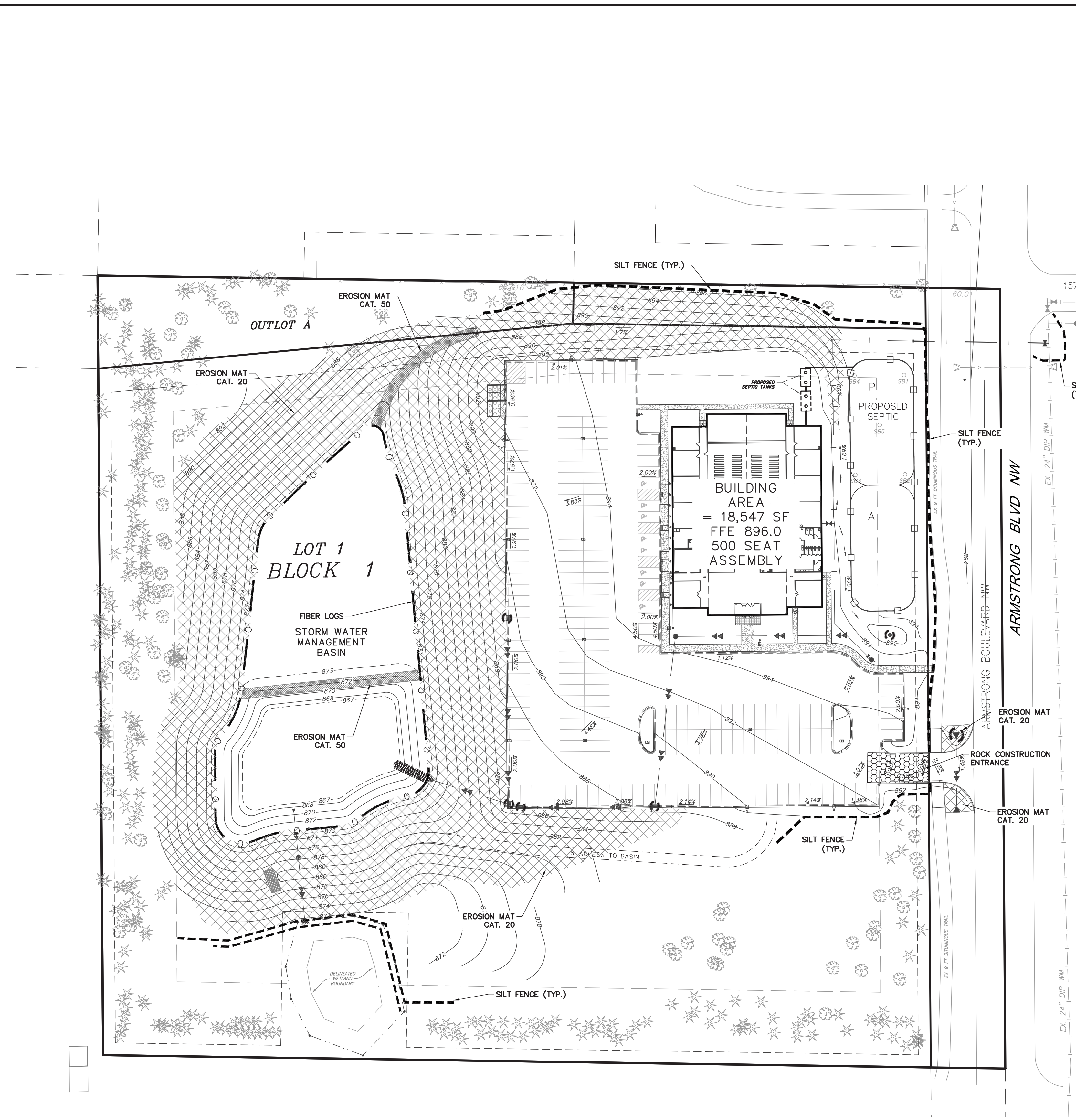
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07/11/24	07/11/24 CITY COMMENTS
07/30/24	07/30/24 ADD SEPTIC CONNECTION PER CITY COMMENTS
07/24/24	07/24/24 WATERSHED COMMENTS
07/24/25	07/24/25 REDUCE PARKING LOT EXPANDED BASIN
03/12/25	03/12/25 CITY COMMENTS, REVISED D&I EASEMENT
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08/29/25	08/29/25 REVISED ENTRANCE ELEV.'S & OWNER COMMENTS
01/09/26	01/09/26 REVISED ENTRANCE ELEVATION AND ADDED NOTES
02/24/26	02/24/26 REVISED TURN LANE STRIPING AND SIGNS

DATE	DRAWN BY	SD	DESIGNED BY	SD	CHECKED BY	SD
06/14/24						

FILE NO. 00948



Storm Sewer Utility Plan



**SWPPP NARRATIVE**

This commercial site project construction will consist of site clearing, grading, utilities, and street. Construction is planned for 2024-2025.

First, perimeter silt fence and rock construction entrance shall be installed. Then site work shall commence. The contractor shall dispose all debris off-site within 24 hours. Then the site can be graded, utilities installed, including gas, electric, and communication utilities, buildings constructed, curbing and pavements installed, final grade tolerance, and landscape final stabilization. Once final grade is established and certified, the site shall be stabilized with seed and mulch or sod. Once vegetation is established, temporary erosion control measures shall be removed.

**POLLUTION PREVENTION NOTES**

Solid waste: collected sediment, asphalt and concrete millings, floating debris, paper, plastic, fabric, construction debris and other wastes must be disposed of properly off-site and must comply with MPCA requirements.

Hazardous materials: oils, gasoline, paint, and any hazardous substance must be properly stored, including secondary containment, to prevent spills, leaks or other discharge. Restricted access to storage areas must be provided to prevent vandalism. Storage and disposal must be in compliance with MPCA regulations.

External washing of trucks or other construction vehicles is not allowed on site. No engine degreasing is allowed on site. No concrete washouts are allowed on site.

Concrete truck washout is not to be allowed on site unless washout waste is contained with no discharge to ground surface or site drainage facilities. Containment systems are to be located a minimum 50 feet away from drainage facilities and watercourses. Containment systems shall have an impermeable liner. Containment system shall be clearly marked with signage.

All sanitary waste must be collected from portable toilet units on site by a licensed waste management contractor. The units must be secured and shall be maintained on a regular basis as needed to prevent overflowing.

**DESIGN CALCULATIONS**

Design calculations, including soil types are on file with: Civil Engineering Site Design SWPPP Designer: Scott Dahlke (Expires 2025)

**EROSION CONTROL NOTES**

- All devices necessary to control erosion and sediment (i.e. perimeter silt fence, rock construction entrances, swales, ponds, berms, etc.) shall be installed prior to any other construction operations.
- After completion of final grading, exposed soils must be permanently stabilized within 14 days. Stabilization shall consist of disc-anchored seed & mulch, HECIP with fiber reinforced matrix, erosion blanket with seed, or sod.
- The site must be kept in a well drained condition at all times. The contractor shall be responsible for temporary ditches, or other means necessary to ensure proper drainage. The building pad must be provided with a positive outflow. This work shall be incidental to the grading contract.
- Entering/exiting of the site shall occur only at rock construction entrance to reduce tracking of dirt onto paved streets. Sediment tracking on streets during working hours must be reclaimed via street scraping and sweeping at the end of each working day.
- Stormwater discharge pipe outlet energy dissipation shall be provided by rip-rap with size, quantity, and placement in accordance with City standards. Rip-rap installation shall be within 24 hours of pipe installation.
- Install silt fence around all temporary inactive stockpiles which are not place within existing silt fence area or other perimeter erosion controls.
- Stabilization of temporary or permanent drainage ditches that drain water from the construction site must be initiated within 24 hours of connecting the drainage ditch to any storm water conveyance system and must be completed using erosion blanket.
- Sufficient personnel, equipment, and materials shall be mobilized within 24 hours of written order (i.e. email) by the owner or owners representative to conduct corrective work and install temporary erosion control work in the case of an emergency.

**EROSION CONTROL INSTALLATION SCHEDULE**

- Silt fence shall be installed or restored prior to any construction. Silt fence shall be located as shown to intercept runoff. The area located beyond the perimeter silt fence shall not be disturbed during construction.
- Rock Construction Entrance shall be installed prior to grading operations.
- All storm sewer inlets shall have inlet protection inserts installed. Inserts shall be "Road Rain-Top Job" or "Road Drain-Curb & Gutter" inlet protection devices as manufactured by WIMCO (or approved equal) and installed per manufacturer's recommendations.
- All erosion control installations shall remain in place and be maintained in good condition by the contractor until the site has been re-vegetated, at which time it shall be removed by the contractor. For proposed paved surface areas, the contractor may remove necessary silt fencing to construct roadway, while maintaining adequate erosion control in adjacent areas.
- Sufficient topsoil shall be stockpiled to allow for the replacement of 6" topsoil for disturbed areas to be re-vegetated.
- The contractor shall schedule site grading, utility installation and roadway construction so that the general site can be mulched and re-seeded soon after disturbance. Areas that will not be subject to construction traffic for 14 days shall be seeded and mulched or sodded within 14 days of final grading.

**EROSION CONTROL MAINTENANCE SCHEDULE**

- Erosion control measures shall be inspected by the contractor's representative and maintained by the contractor every Friday and within 24 hours after any rainfall event larger than 1/2" until the project is completed. Maintenance requirements are as follows: silt fence - 1/3 height of fence or damaged, remove sediment and/or repair fence within 24 hours; rock entrance - refresh as necessary to conform to detail; inlet protection inserts - remove sediment after each rain event, clean or replace filter when clogged; surface water - drain and stabilize, within 7 days of discovery; and street sweeping - remove all sediment tracked onto paved surfaces within 24 hours or as directed by City Engineer.
- Replacement - Fabric shall be replaced promptly when it decomposes or becomes ineffective before the barrier is no longer necessary.
- Any sediment remaining in place after silt fence is no longer required shall be dressed to conform with the existing grade, prepared, and seeded with appropriate seed mix, as directed by the engineer.
- Removal of the silt fence- Silt fences shall be removed when they have served their useful purpose, but not before the upward sloping area has been permanently stabilized.

**VEGETATION GROUND COVER SCHEDULE**

- Stabilization of all exposed soil areas must be initiated immediately but in no case completed later than fourteen (14) days after the construction activity in that portion of the site has temporarily or permanently ceased. Seeding and mulching shall conform to the latest NPDES requirements for installation schedule with regards to grading.
- Permanent turf ground cover shall include all disturbed areas be covered with a minimum 6" topsoil. Turf seed to be MnDOT mix 25-11 applied at 59 lbs/ac with MnDOT Type 1 mulch to be applied at 2 tons/ac and disc anchored in areas not covered by sod or erosion blanket. Infiltration basin seed to be 33-261 applied at 35 lbs/ac with bottom of basin mulched with clean grain straw (Mn/DOT Type 1) applied at 2 tons/ac. Do not seed below open water in wet pond pre-treatment area. Seeding and mulching shall conform to the latest NPDES requirements for installation schedule with regards to grading.
- Temporary ground cover to be MnDOT seed mix 22-111 shall be applied at 31 lbs/ac, or equivalent as approved by City. MnDOT Type 1 mulch shall be applied at 2 tons/ac and disc anchored in areas not covered by sod or erosion blanket.
- Fertilizer for turf shall be MnDOT Type 3 22-5-10 and applied at 350 lb/ac. Disc fertilizer into top 3" of soil. Fertilizer. Specification reference is MnDOT 2574. Dormant seed mix shall be used after November 1 or when temperatures do not exceed 40° F, using same rates specified above. No seed shall be placed on snow or ice greater than 2" in depth.
- Any seeded areas that do not become established with vegetation shall be re-seeded at Contractor's expense.
- Erosion blanket shall be installed in seed areas with ground surface slopes of 4H:1V or steeper.

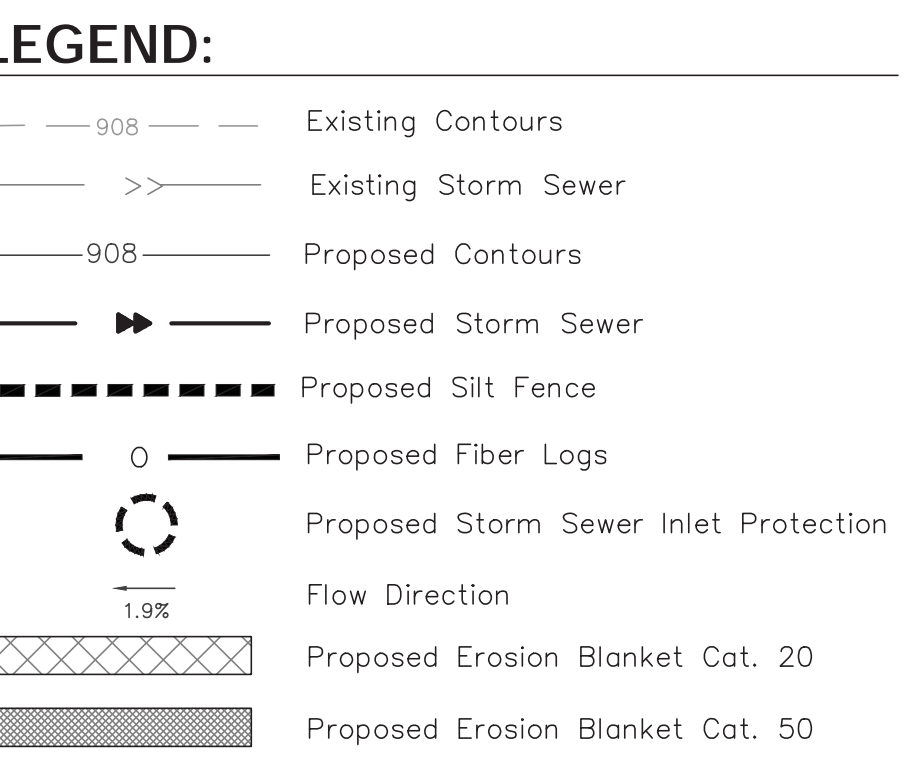
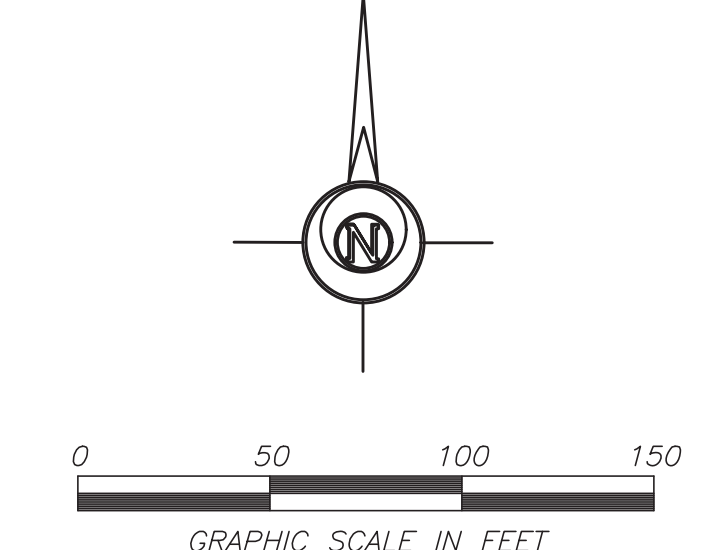
**RESponsible Party**

Contact information for the responsible party for erosion control is:

Owner: Roman Andriychuk  
13850 Lincoln Street NE  
Ham Lake, MN 55304  
763-516-4206

Contractor: To be Determined

Manager: To be Determined



**EXISTING LEGAL DESCRIPTION**

The North 627.94 feet of the East 727.00 feet, as measured along the East and North lines respectively, thereof, of Section 20, Township 32, Range 25, Anoka County, Minnesota.

**SITE DATA**

TOTAL AREA = 456,508 SF = 10.48 AC  
EXISTING TOTAL IMPERVIOUS AREA: 941 SF  
PROPOSED TOTAL IMPERVIOUS AREA: 91,010 SF  
PERCENT TOTAL IMPERVIOUS AREA: 19.9% (91,010 SF / 456,508 SF)  
AREA OF DISTURBANCE: 6.3 AC

**EROSION CONTROL QUANTITIES:**

ITEM:	QUANTITY	UNIT
ROCK ENTRANCE	1	EA
SILT FENCE	1,410	LF
FIBER LOGS	860	LF
INLET PROTECTION	6	EA
STRAW MULCH TYPE 3	0.2	AC
EROSION BLANKET CAT. 20	11,000	SY
EROSION MAT CAT. 50	250	SY



**CITY SPECIFIC REQUIREMENT NOTES**

- A sweeper must be available to the site to remove tracking on public streets within 3 hours notice from the City.
- Send weekly and 1/2 inch event reports to the city inspector.

**INFILTRATION BASIN NOTES**

- Infiltration area shall be staked off during construction to restrict heavy equipment traffic from compacting native soils.
- Install appropriate temporary erosion control devices to prevent sediment from entering the practice during construction.
- Grading of the infiltration basin shall be accomplished using low impact earth-moving equipment to prevent compaction of the underlying soils. Small tracked dozers and skid-steers with runner tracks are recommended.
- In the event that sediment is introduced into the BMP during or immediately following excavation, this material will need to be removed from the basin prior to initiating the next step in the construction process.
- Install sediment control around basin after completion of basin grading.
- Seeding and installation of erosion control shall be completed within 48 hours of final grading of basin.

**LOCATION OF SWPPP REQUIREMENTS IN PLANS**

DESCRIPTION	LOCATION
STANDARD BMP DETAILS	DETAILS ON SHEET C7.1-7.3
STORMWATER CALCULATIONS	STORM SEWER REPORT
SITE MAP	STORM SEWER REPORT
DRAINAGE ROUTING	GRADING PLAN SHEET C2
SOILS DATA	GEO TECHNICAL REPORT

CLIENT:  
**VOICE OF HOPE CHURCH**  
13850 Lincoln St NE  
Ham Lake, MN 55304  
  
Roman Andriychuk  
763-516-4206  
roman.atozcontract@gmail.com

**SITE DEVELOPMENT PROJECT**  
**15620 Armstrong Blvd NW Ramsey, MN 55303**  
**SWPPP**

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.

Scott Dahlke  
Date: 02/24/26 Reg. No. 24348  
PREPARED BY: CIVIL ENGINEERING SITE DESIGN  
118 East Broadway St.  
Monticello, Mn 55362  
Phone: 763-314-0929  
www.civilsite.com

**REVISIONS**

DATE	DESCRIPTION	BY	SD
06/18/24	GRADING MODIFICATIONS		
07/11/24	CITY COMMENTS		
07/30/24	ADD SEPTIC CONNECTION PER CITY COMMENTS		
09/23/24	WATERSHED COMMENTS		
07/24/25	REDUCE PARKING LOT EXPANDED BASIN		
07/19/25	CITY COMMENTS, REVISED D&I EASEMENT		
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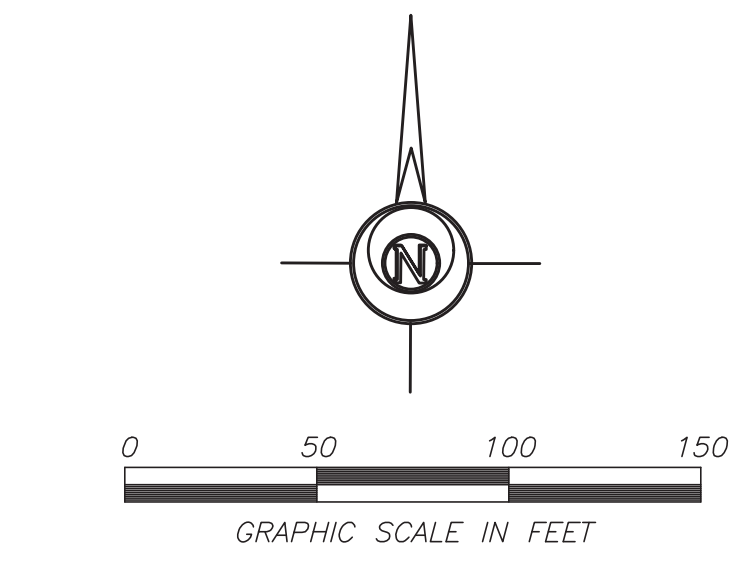
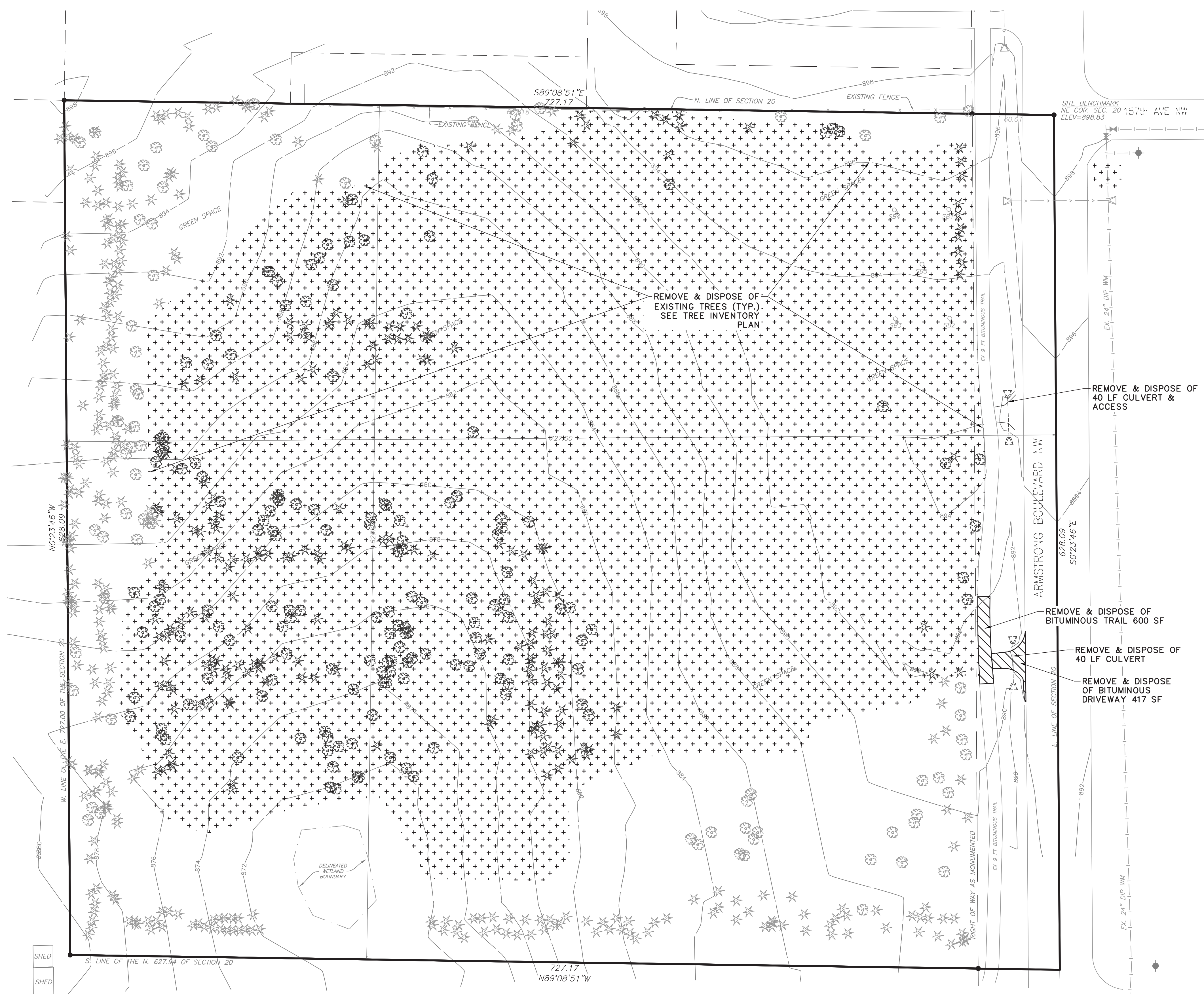
DATE	DRAWN BY	DESIGNED BY	CHECKED BY
06/14/24	SD	SD	SD

FILE NO. 00948

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**C5**  
SWPPP



**LEGEND:**

	Existing Contours
	Existing Sanitary Sewer
	Existing Water Main
	Existing Storm Sewer
	Existing Trees
	Existing Bndy Line
	PROPOSED DEMOLITION & REMOVAL AREA
	PROPOSED TREE REMOVAL & DISTURBED AREA

**EXISTING LEGAL DESCRIPTION**  
 The North 627.94 feet of the East 727.00 feet, as measured along the East and North lines respectively, thereof, of Section 20, Township 32, Range 25, Anoka County, Minnesota.

**SURVEY DATA**  
 SURVEY INFORMATION PROVIDED BY:  
 NORTHWESTERN SURVEYING & ENGINEERING, INC.  
 P.O. BOX 3067  
 BEMIDJI, MN 56601  
 DATED: OCT. 02, 2023  
 SITE BENCHMARK:  
 NE COR. SEC. 20  
 ELEV.=898.83

- DEMOLITION NOTES**
1. Install perimeter sediment controls as soon as possible during clear and grub operations. See Erosion Control Plan.
  2. Provide air quality control measures at the request of the Engineer or City Representatives. Take necessary measures to keep dust levels to a minimum. Provide sweeping of adjacent paving as needed, or as required by the City Engineer.
  3. Locate and protect all utility lines prior to and during demolition. Utility locations shown are based on best available information and are not guaranteed. Contact private utility service for disconnection and removal.
  4. Remove or relocate all existing site features that interfere with the proposed construction.
  5. Protect existing site features that are to remain during construction. Replace anything damaged with new construction.
  6. Pavement shall be saw cut at limits of removal unless noted otherwise. Do not impede existing traffic circulation to adjacent businesses or streets.
  7. Sufficient topsoil shall be stockpiled to allow for the replacement of 6" (4" minimum) of topsoil in disturbed areas to be re-vegetated.
  8. All construction and post-construction parking shall be on-site. At no time shall parking, loading, or unloading be allowed on public streets.
  9. Storage of materials or equipment shall not be allowed within public Right-of-Way and shall be maintained on site within project boundaries.

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CLIENT:  
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 roman.atozcontract@gmail.com

**SITE DEVELOPMENT PROJECT**  
 15620 Armstrong Blvd NW  
 Ramsey, MN 55303  
**EXISTING CONDITION & REMOVAL PLAN**

*I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.*  
 Date: 02/24/26 Reg. No. 24348  
**PREPARED BY: CIVIL ENGINEERING SITE DESIGN**  
 118 East Broadway St.  
 PO Box 566 5362  
 Mpls. 763-374-0929  
 www.civilesd.com

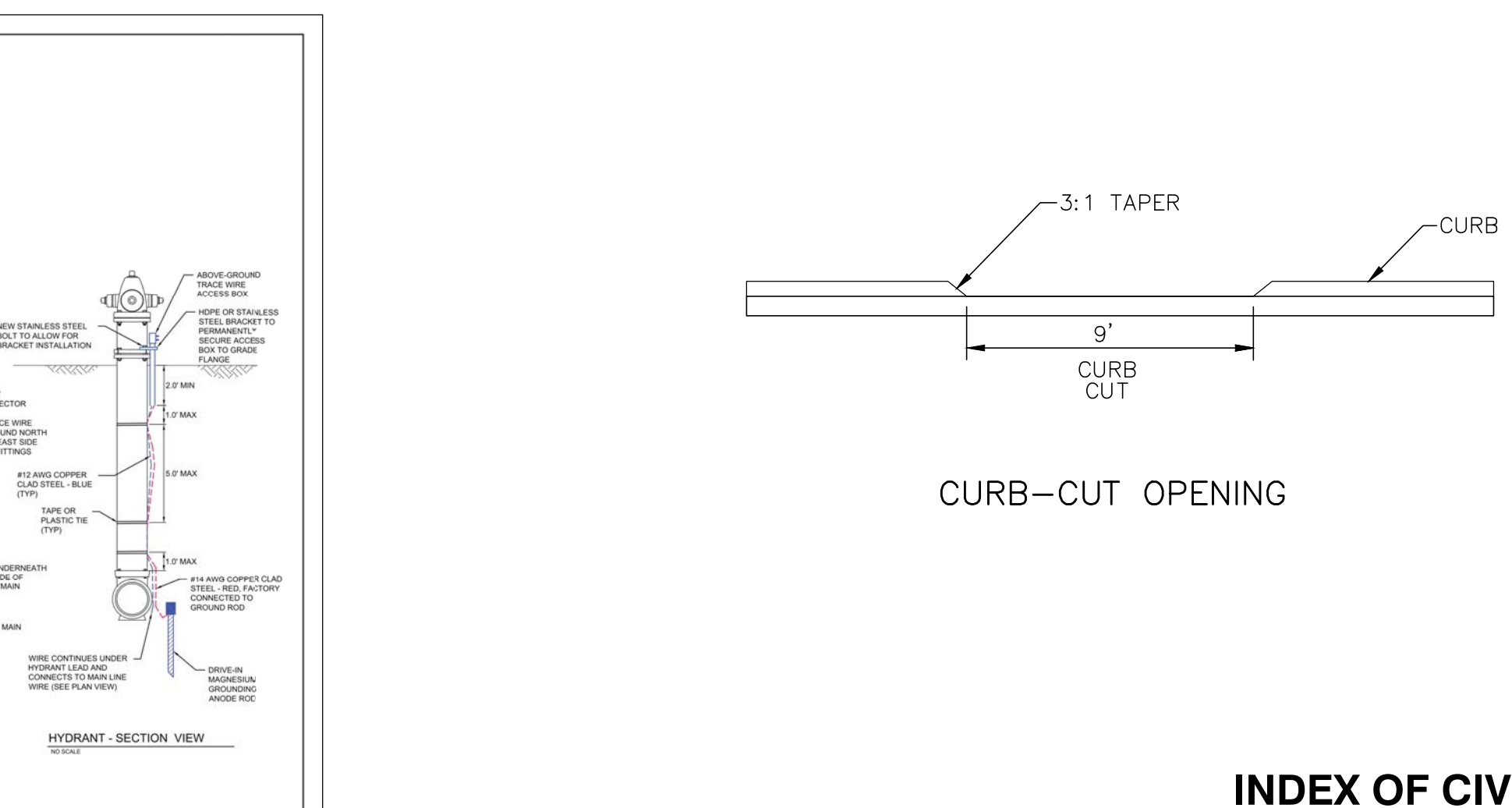
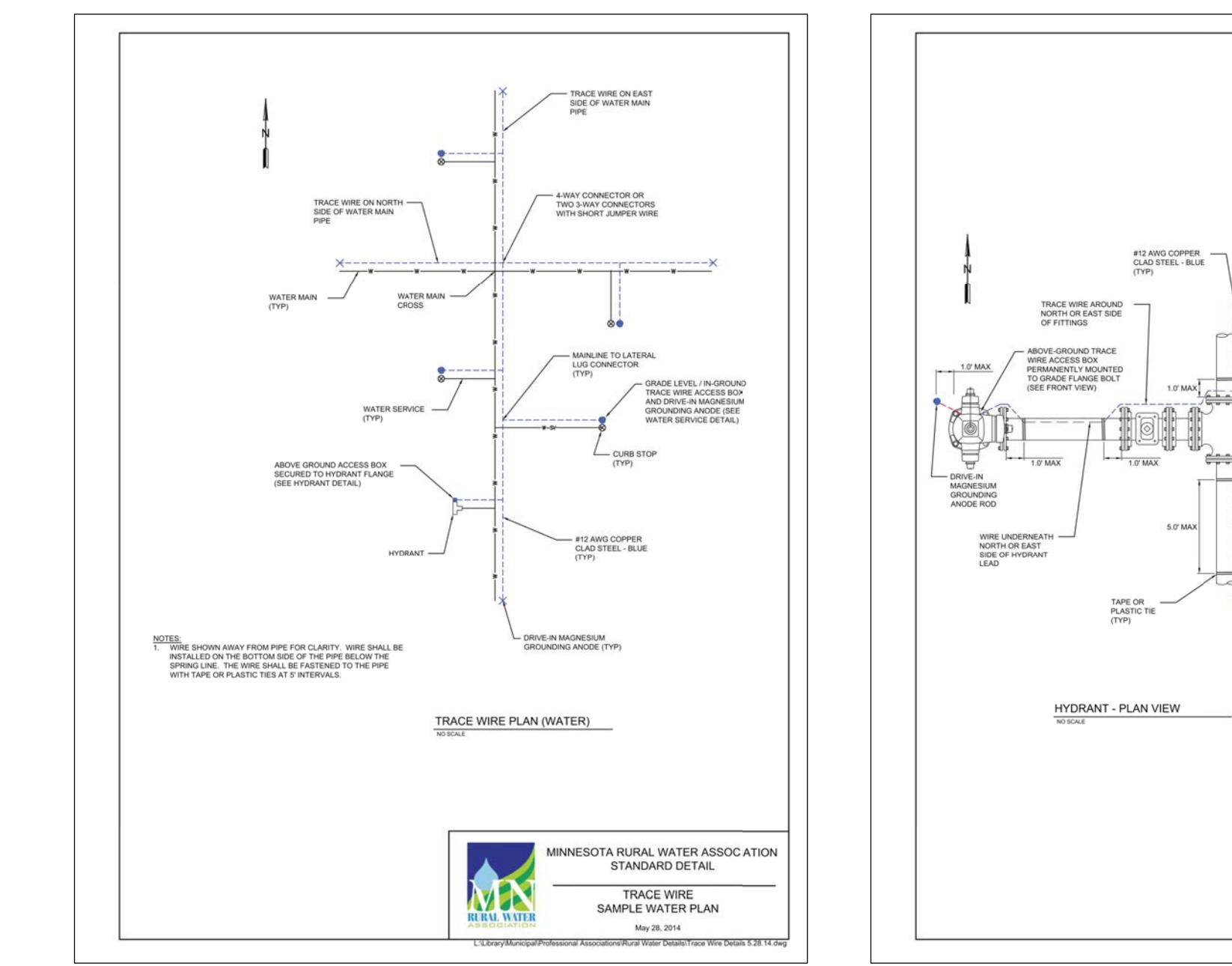
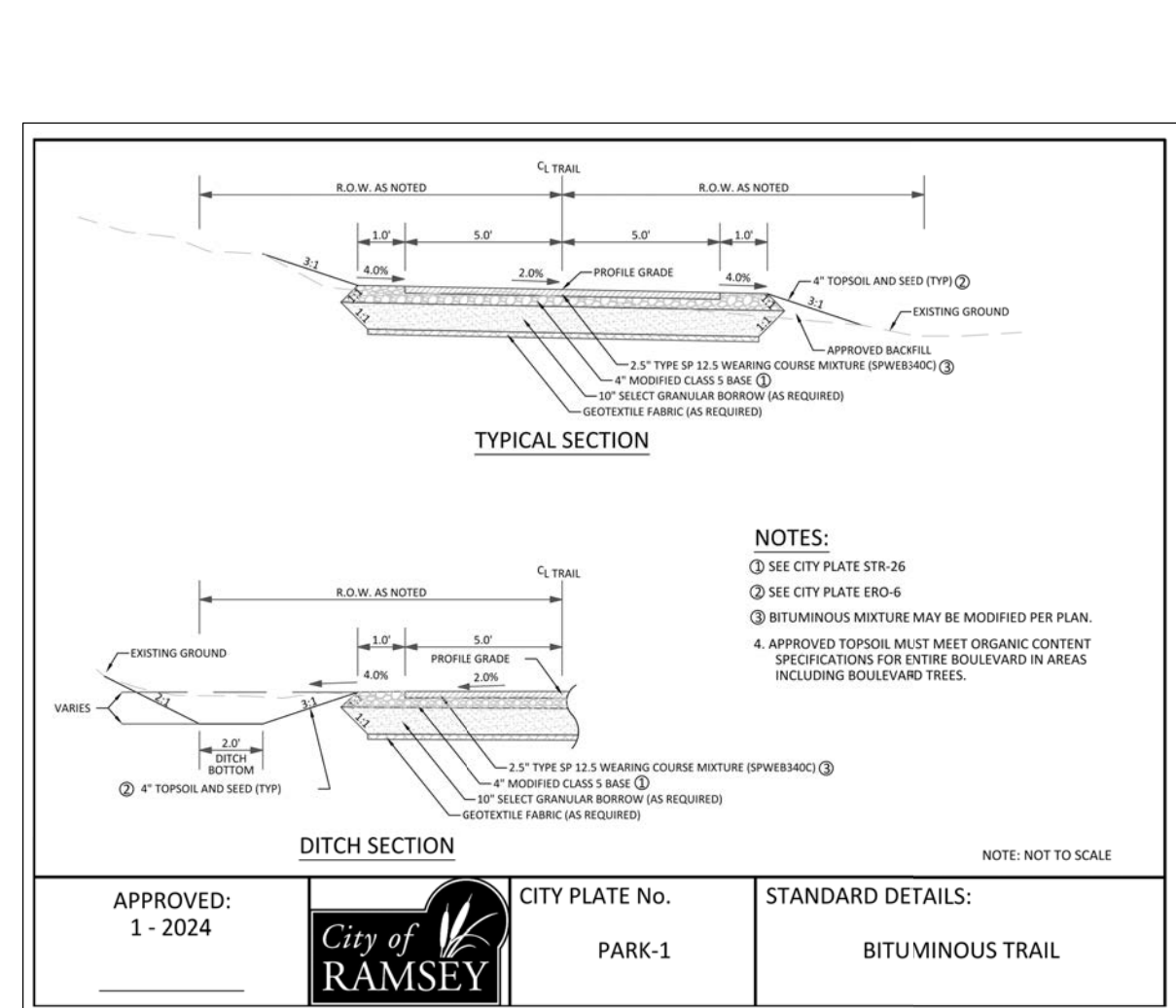
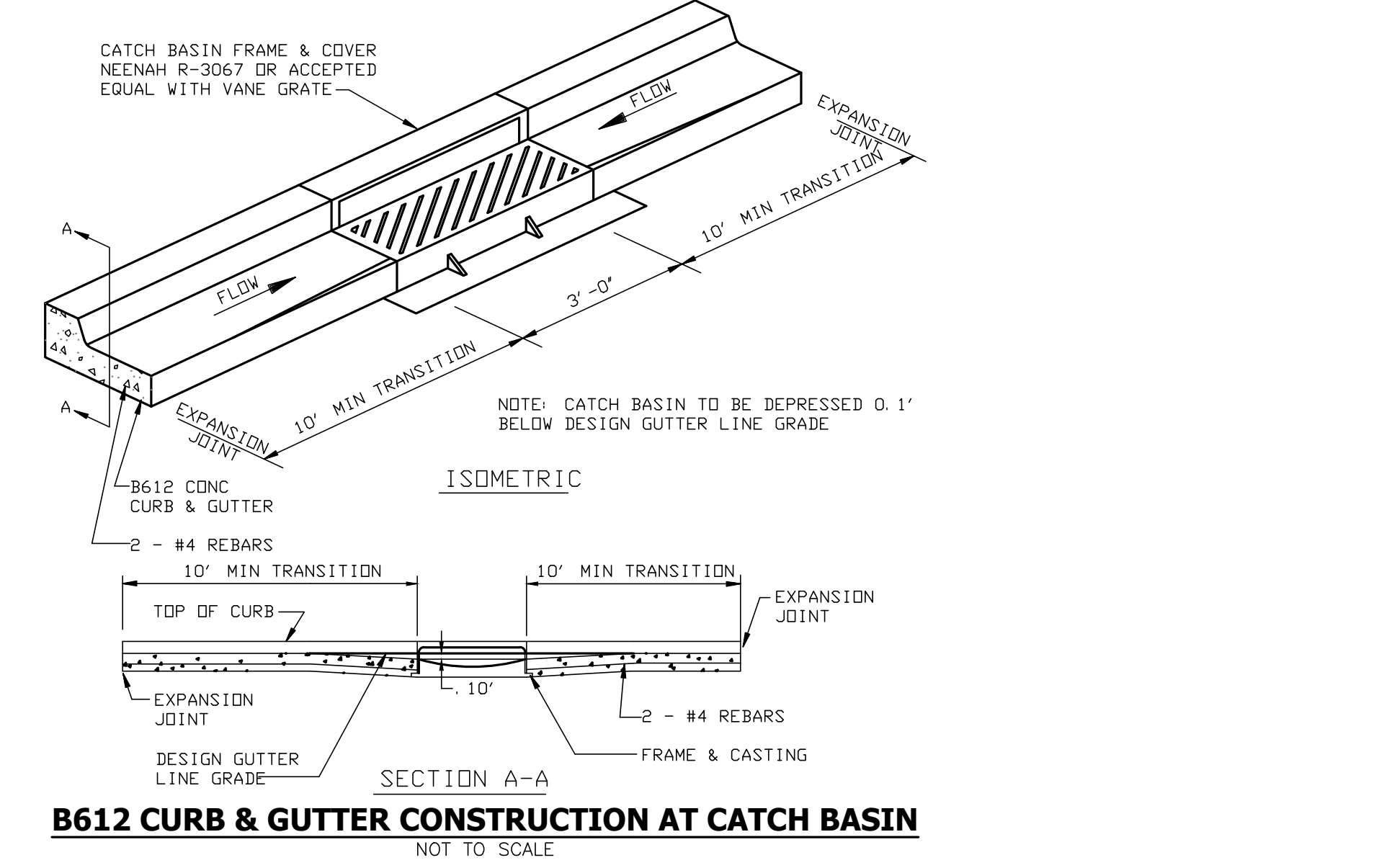
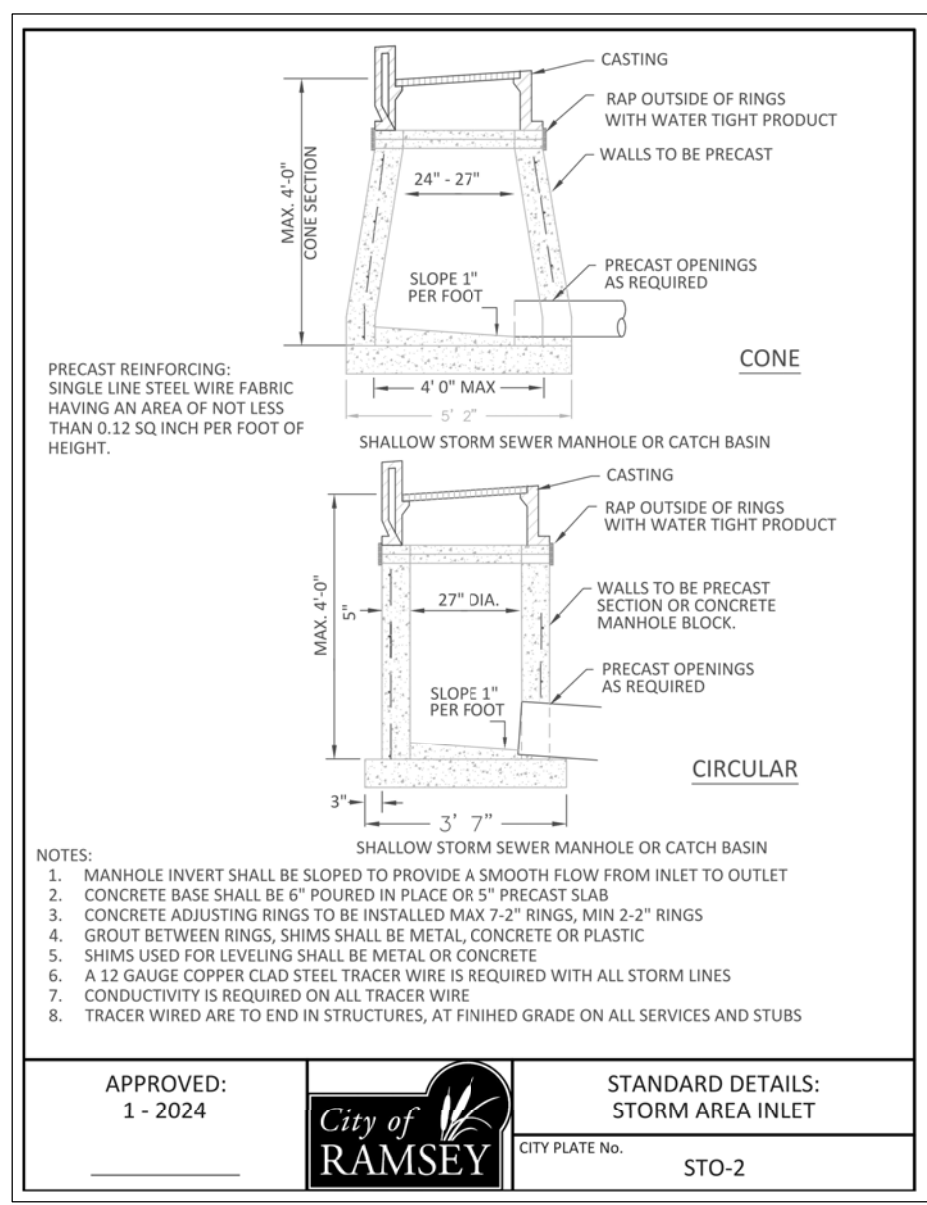
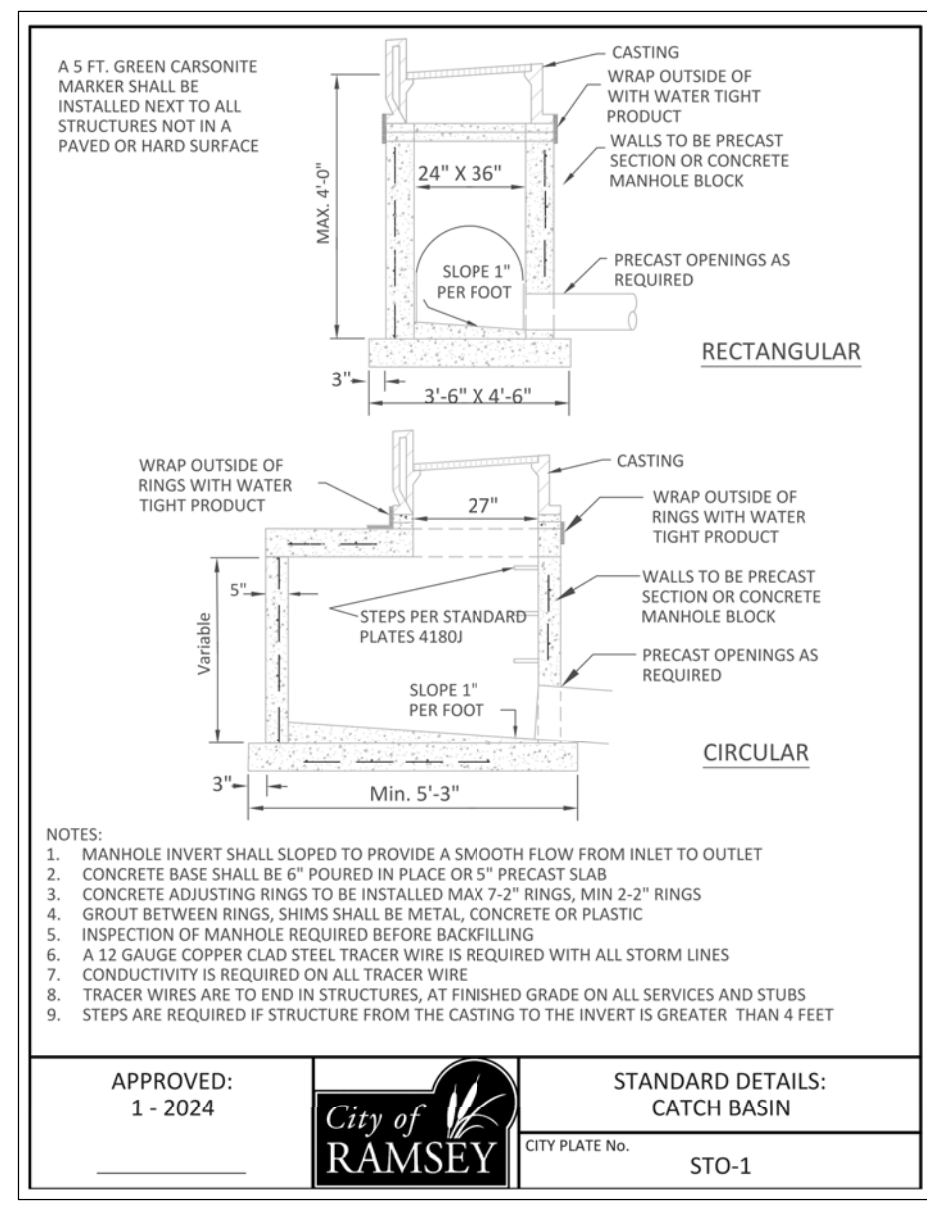
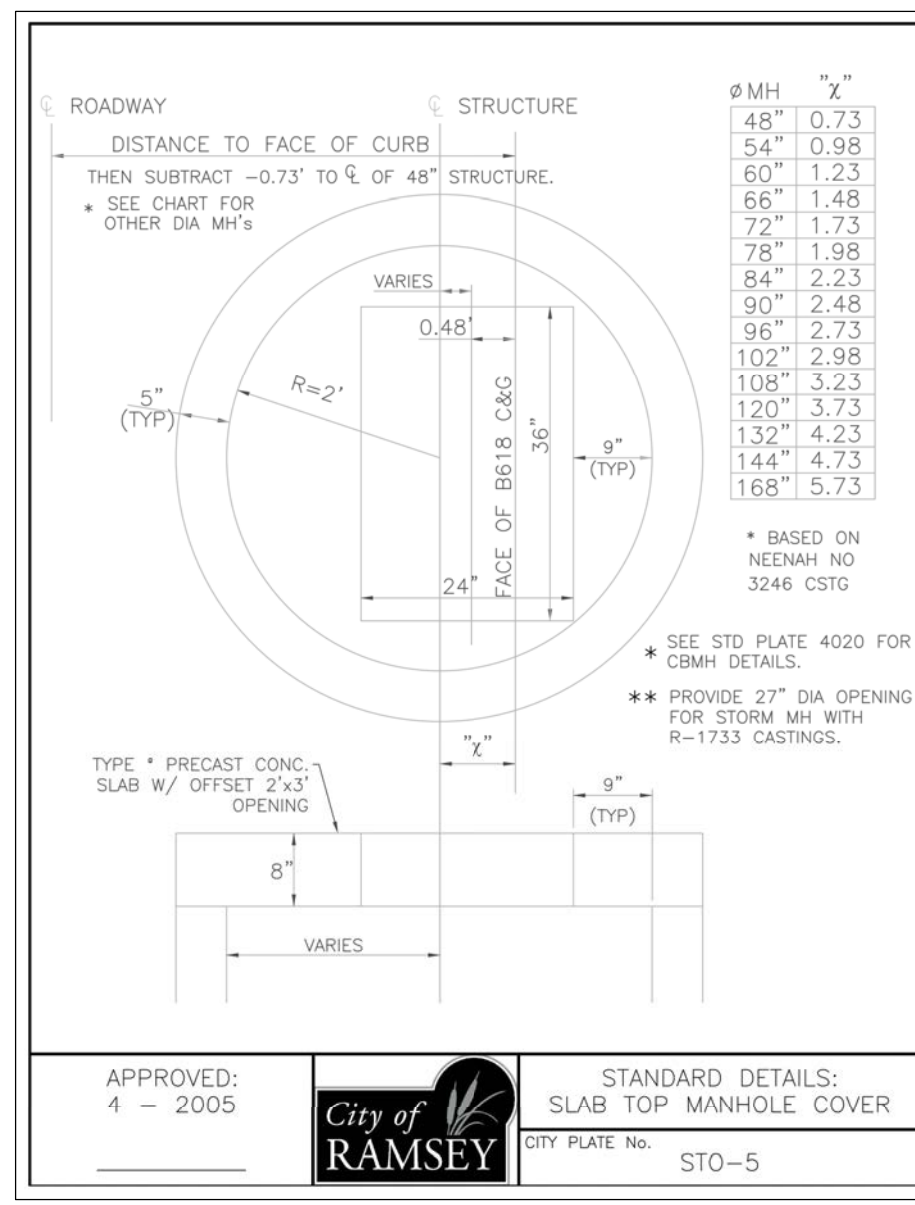
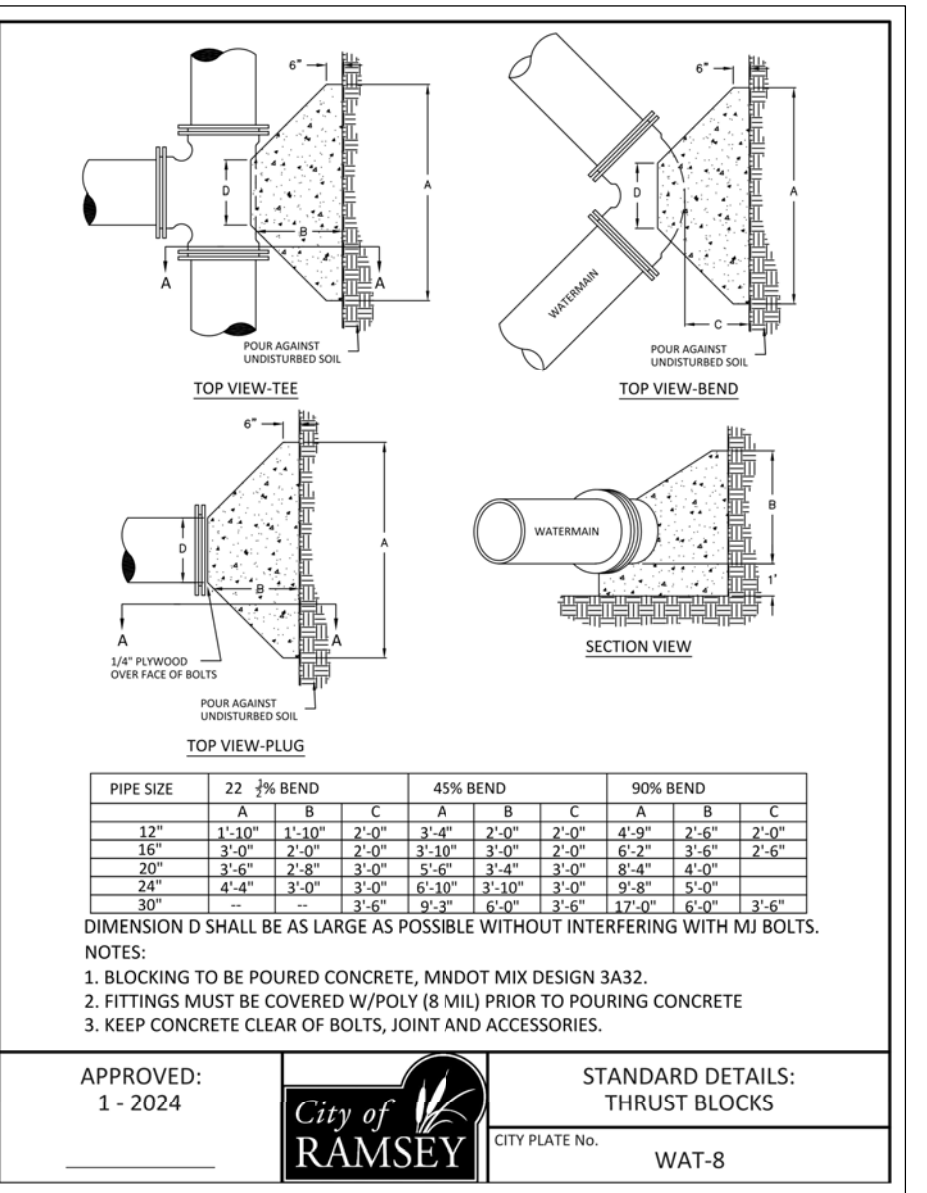
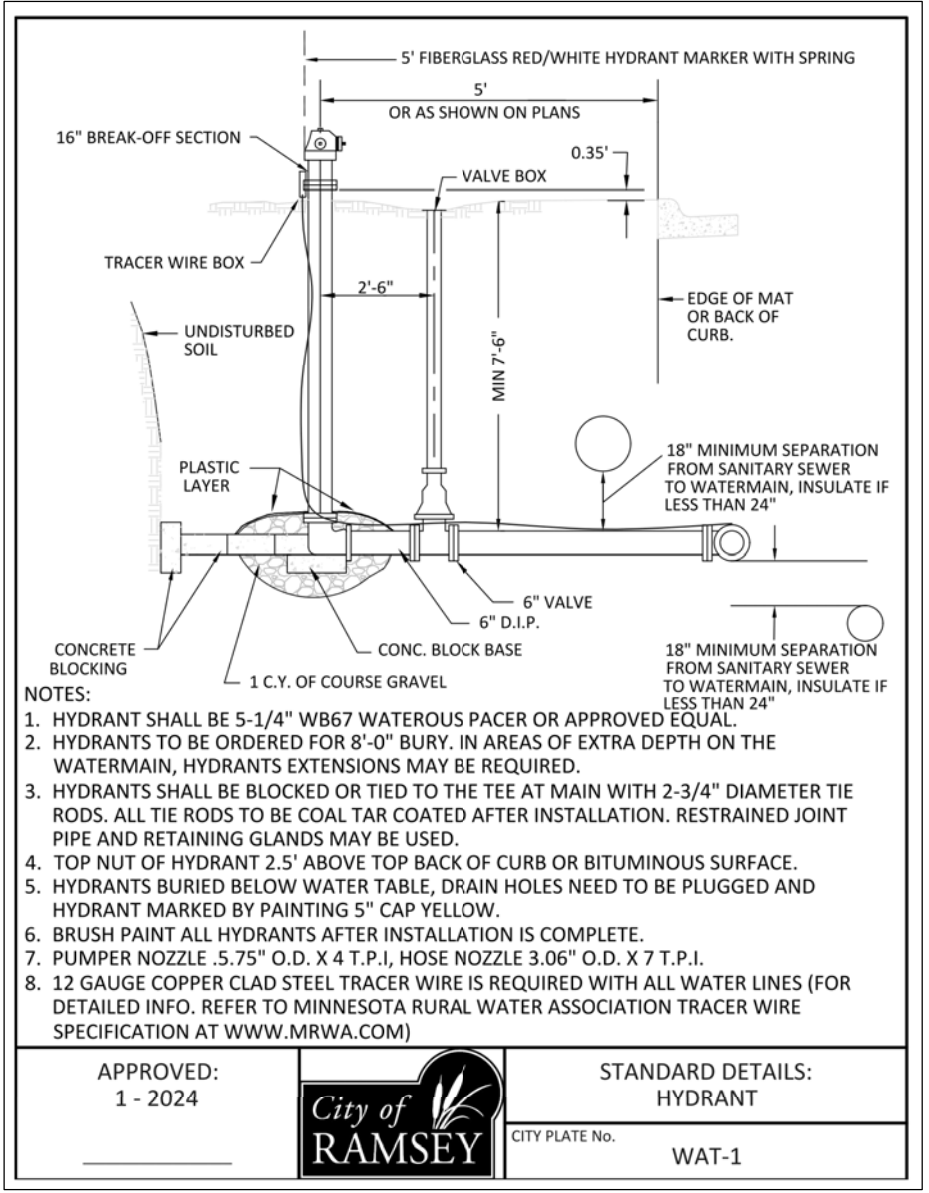
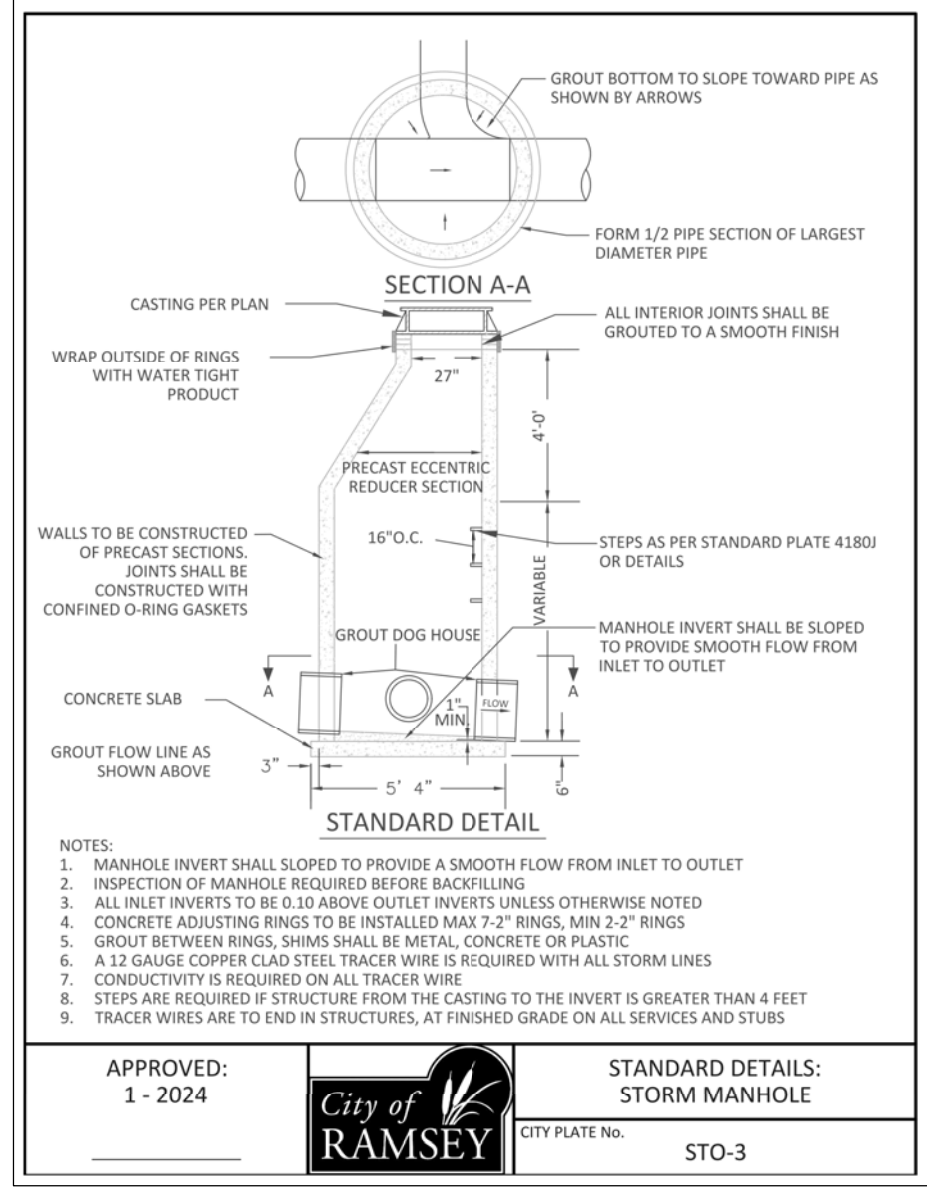
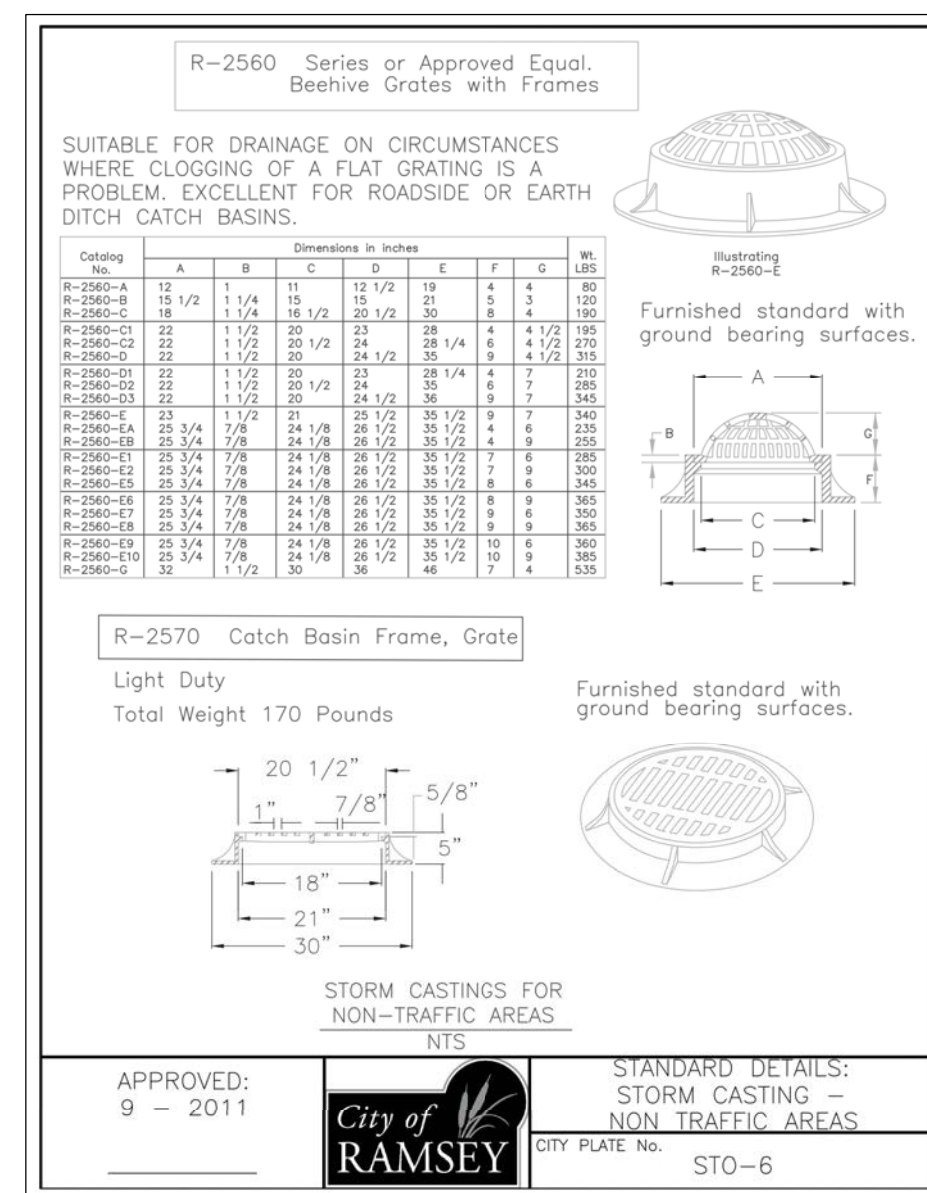
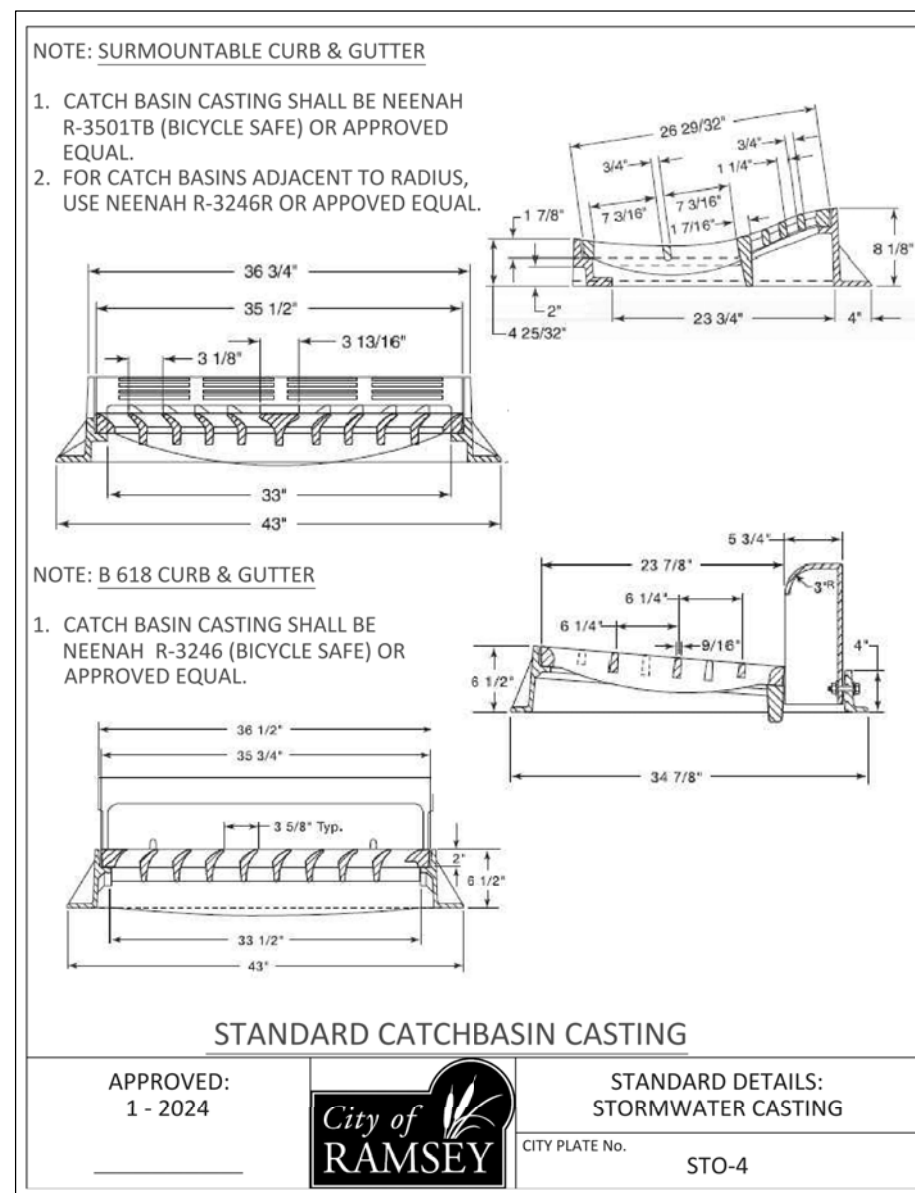
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01/09/26	REVISED ENTRANCE ELEVATION AND ADDED NOTES
02/24/26	REVISED TURN LANE STRIPING AND SIGNS

DATE	06/14/24
DRAWN BY	SD
DESIGNED BY	SD
CHECKED BY	SD

FILE NO. 00948

**C6**  
 Existing Conditions & Removal Plan



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**SITE DEVELOPMENT PROJECT**

15620 Armstrong Blvd NW  
Ramsey, MN 55303

**DETAILS**

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.

*Sart Dalka*

Date: 02/24/26 Reg. No. 24348

PREPARED BY: **CIVIL ENGINEERING SITE DESIGN**

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PO Box 566  
Monticello, Mn 55362  
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**REVISIONS**

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DATE 06/11/24

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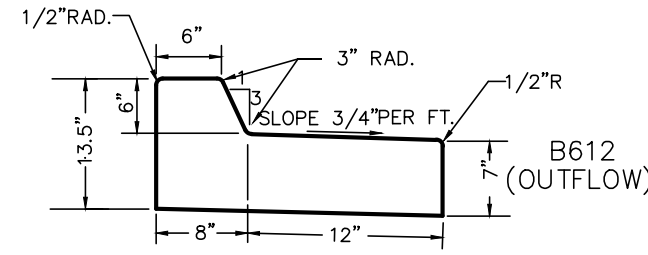
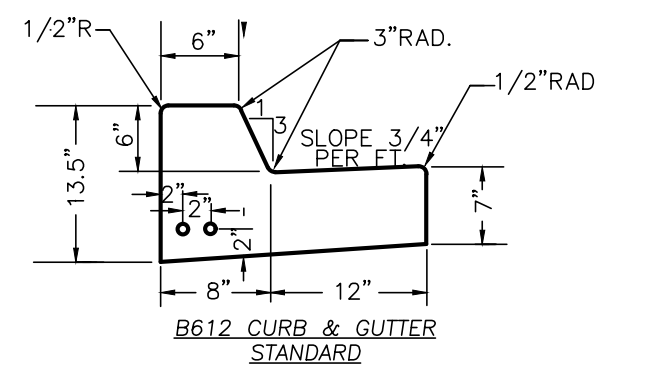
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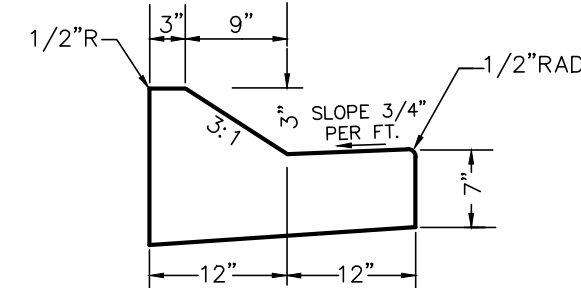
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**C7.1**

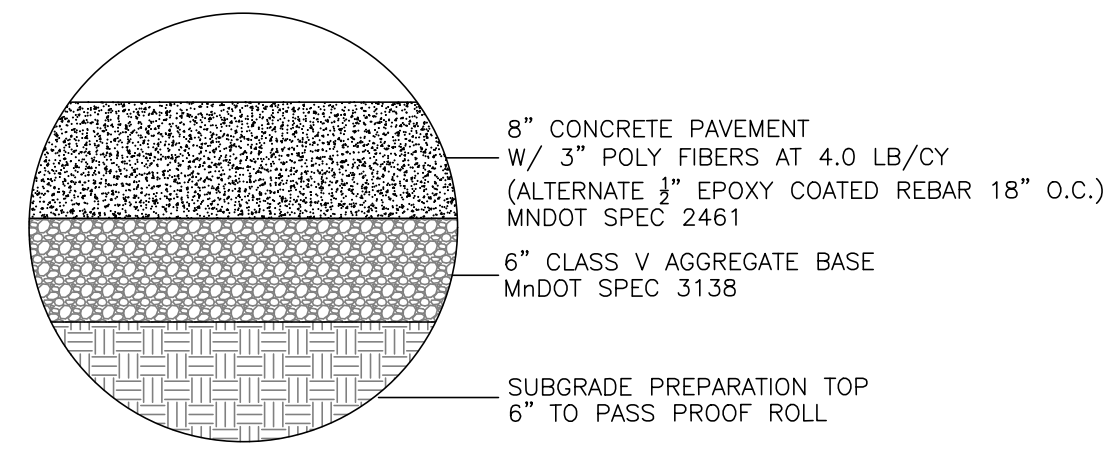
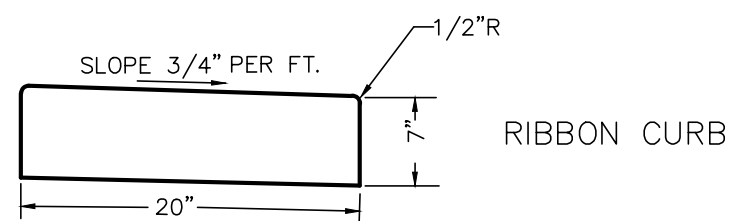
Details



CONTRACTOR SHALL USE OUTFLOW STYLE CURB IN AREAS THAT SLOPE AWAY FROM THE CURB.  
**B612 OUTFLOW CURB & GUTTER (TIP-OUT FLOWLINE)**



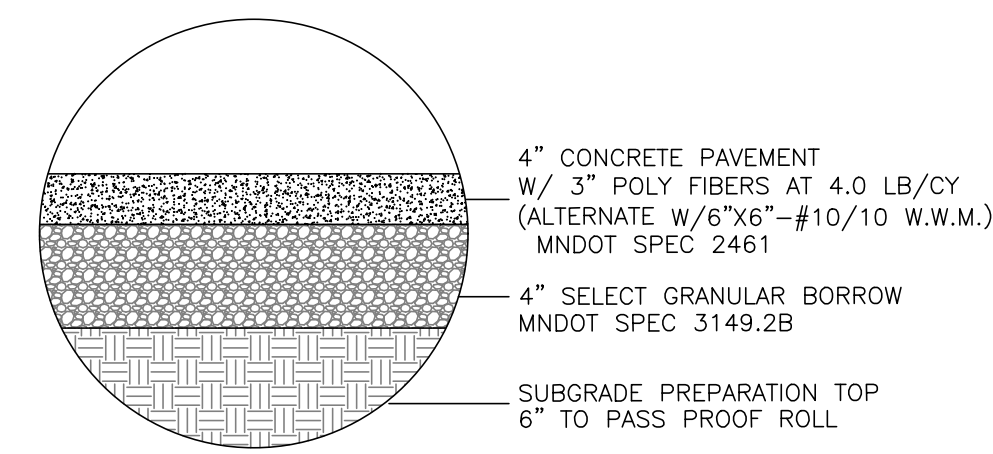
**D412 MODIFIED (STANDARD) MOUNTABLE CURB SECTION**



NOTES:

1. CONCRETE MIX SHALL CONFORM TO MNDOT SPEC. 2461  
 MIX No. 3F32 FOR SLIPFORM PLACEMENT (4,500 PSI)  
 MIX No. 3F52 FOR MANUAL PLACEMENT (4,500 PSI)
2. CONCRETE PLACEMENT SHALL CONFORM TO MNDOT SPEC. 2301
3. CONTRACTOR SHALL SPACE THE CONTRACTION JOINTS AT 12'-0" O.C.
4. SOILS SPECIFICATIONS SUPERSEDE ABOVE LISTED SPECIFICATIONS

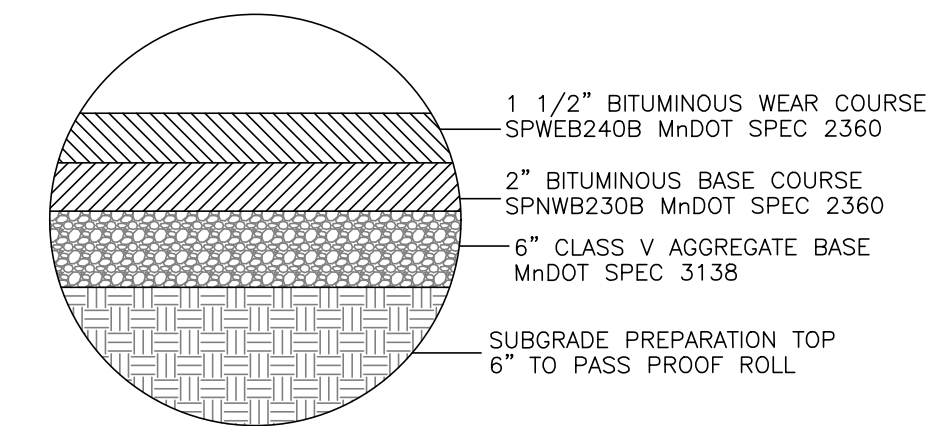
**CONCRETE PAVEMENT - HEAVY DUTY**



NOTES:

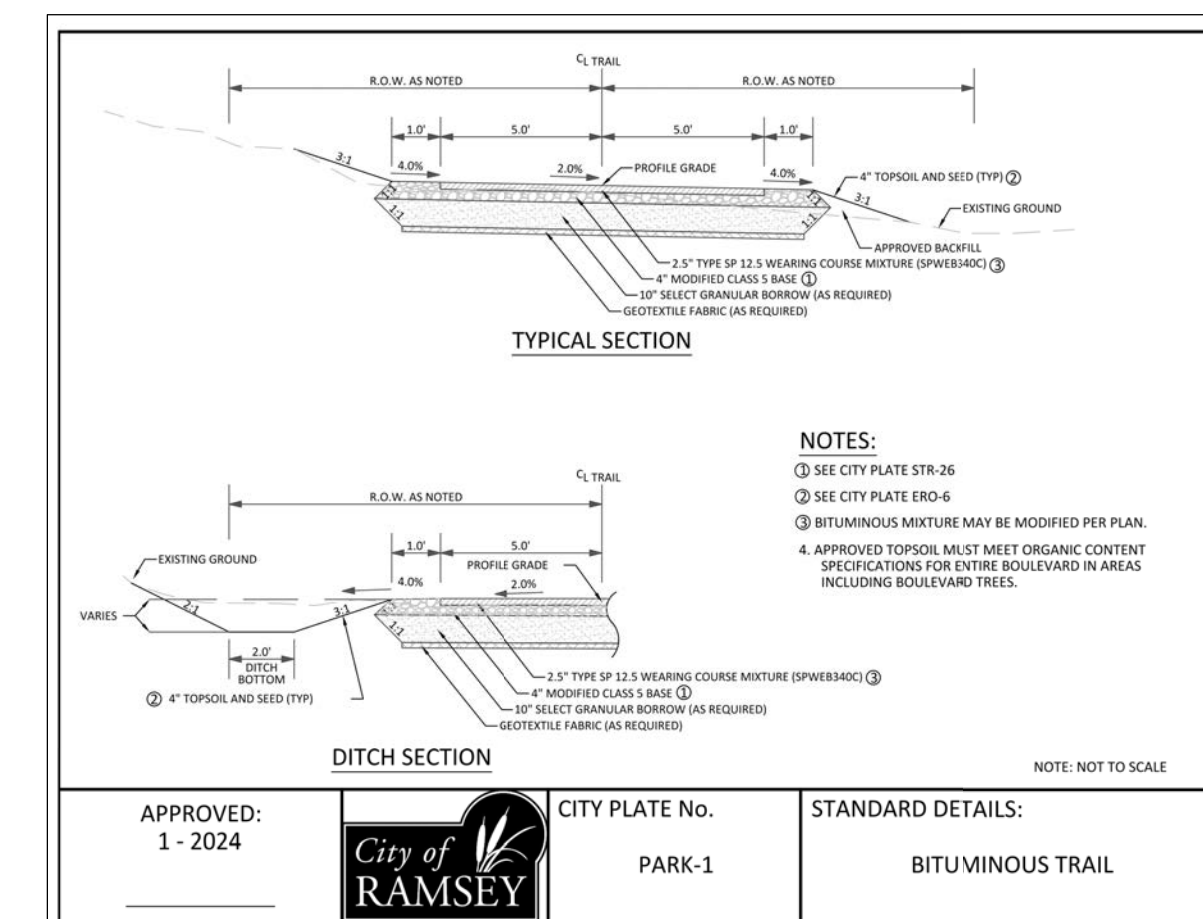
1. CONCRETE MIX SHALL CONFORM TO MNDOT SPEC. 2461  
 MIX No. 3F32 FOR SLIPFORM PLACEMENT  
 MIX No. 3F52 FOR MANUAL PLACEMENT
2. CONCRETE PLACEMENT SHALL CONFORM TO MNDOT SPEC. 2301
3. CONTRACTOR SHALL SPACE THE CONTRACTION JOINTS AT 6'-0" O.C.
4. SOILS SPECIFICATIONS SUPERSEDE ABOVE LISTED SPECIFICATIONS

**CONCRETE PAVEMENT - LIGHT DUTY**



NOTE: SOILS SPECIFICATIONS SUPERSEDE ABOVE LISTED SPECIFICATIONS

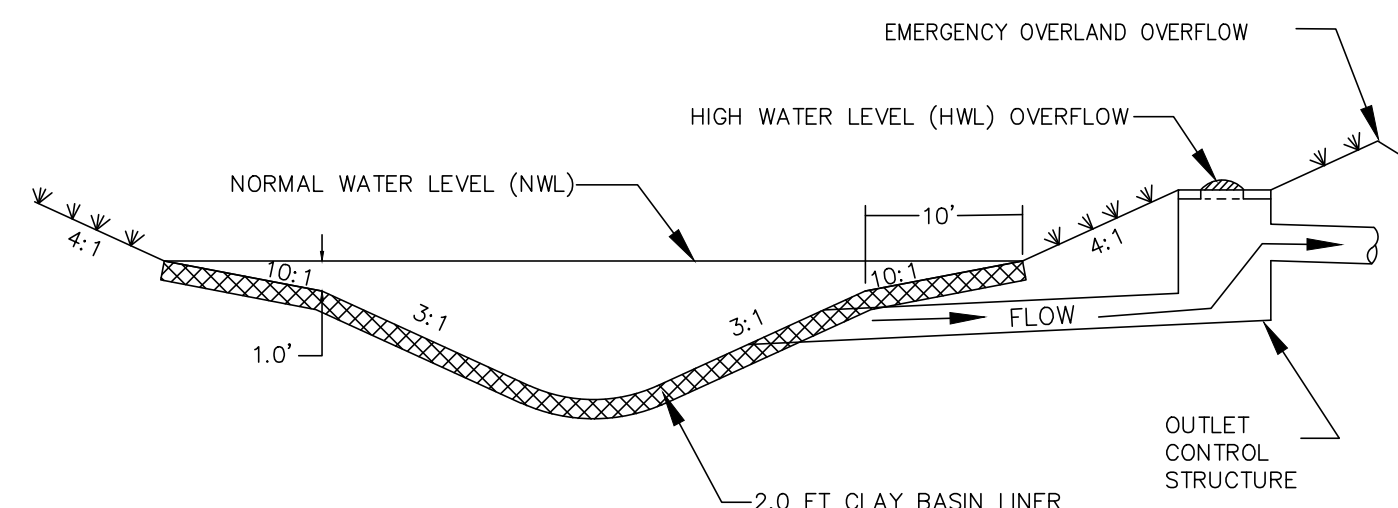
**BITUMINOUS PAVEMENT**



**PRE-TREATMENT BASIN LINER NOTES**

**CLAY LINER CRITERIA (Per MPCA Guidelines)**

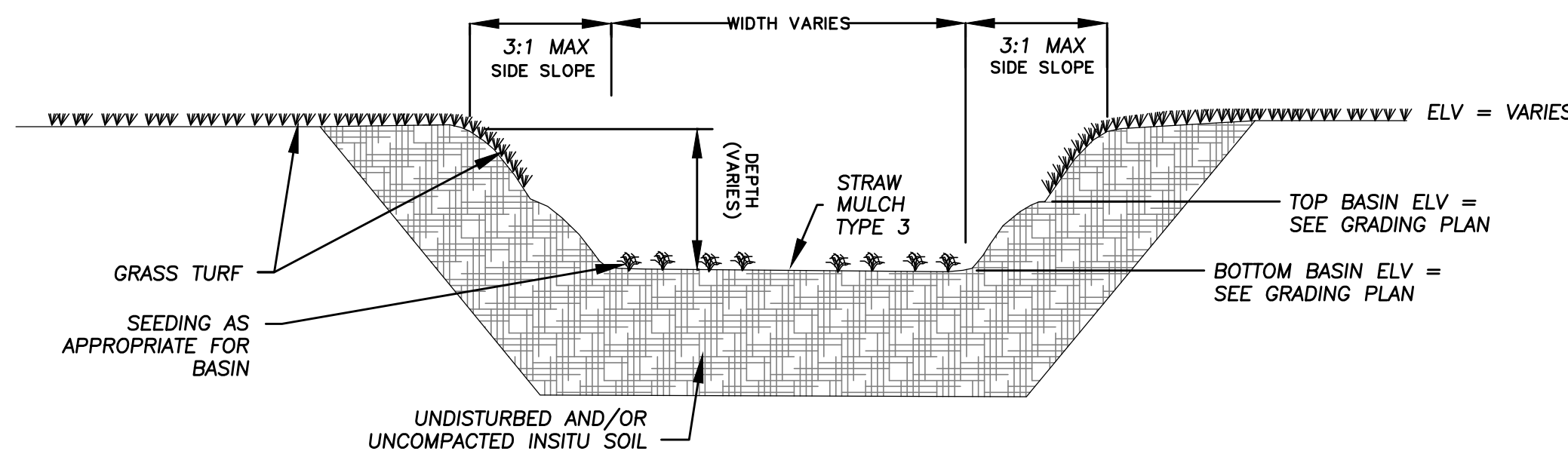
- 50 PERCENT FINES (200 SIEVE) OR MORE
- AN IN-PLACE HYDRAULIC CONDUCTIVITY OF 1X10 CENTIMETERS PER SECOND (CM/S) OR LESS
- AVERAGE LIQUID LIMIT OF 25 OR GREATER, WITH NO VALUE LESS THAN 20
- AVERAGE PI OF 12 OR MORE, WITH NO VALUES LESS THAN 10
- CLAY INSTALLED WET OF OPTIMUM IF USING PROCTOR, AND 2 PERCENT WET OF OPTIMUM IF USING MODIFIED PROCTOR
- CLAY COMPACTION AND DOCUMENTATION AS SPECIFIED IN NRCS WISCONSIN CONSTRUCTION SPECIFICATION 300, CLAY LINERS
- MINIMUM THICKNESS OF TWO FEET



**TYPICAL POND BENCH GRADING and PRE-TREATMENT BASIN LINER DETAIL**

**INFILTRATION BASIN GENERAL NOTES:**

- 1) INSTALL ALL TEMPORARY EROSION CONTROL MEASURES (IN ACCORDANCE WITH MNDOT GENERAL CONDITIONS 2573) PRIOR TO THE START OF ANY CONSTRUCTION OPERATION THAT MAY CAUSE ANY SEDIMENTATION OR SILTATION AT THE SITE.
- 2) INSTALL STORM DRAIN INLET PROTECTION TO PREVENT CLOGGING OF THE STORM SEWER AND SEDIMENT LOADS TO DOWNSTREAM STORM WATER FACILITIES OR WATERBODIES.
- 3) IF THE STORM WATER BMP IS BEING DESIGNED TO SERVE AS A TEMPORARY SEDIMENT BASIN, GRADE THE BMP TO WITHIN 12" ABOVE THE FINAL GRADE TO PROTECT THE UNDERLYING MATERIAL FROM CLOGGING. ONCE CONSTRUCTION IN THE CONTRIBUTING DRAINAGE AREA HAS BEEN COMPLETED AND THE SITE IS STABILIZED, EXCAVATE THE INFILTRATION BASIN TO FINAL GRADE AND COMPLETE CONSTRUCTION OF THE INFILTRATION BASIN.
- 4) GRADING OF THE INFILTRATION BASIN SHALL BE ACCOMPLISHED USING LOW-IMPACT EARTH MOVING EQUIPMENT TO PREVENT COMPACTION OF THE UNDERLYING SOILS. SMALL TRACKED DOZERS AND BOBCATS WITH RUNNER TRACKS ARE RECOMMENDED.
- 5) EXCAVATE THE INFILTRATION BASIN TO THE SPECIFIED DEPTH (ELEVATION). ALL SUB MATERIAL BELOW THE SPECIFIED ELEVATION SHALL BE LEFT UNDISTURBED, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- 6) IN THE EVENT THAT SEDIMENT IS INTRODUCED INTO THE BMP DURING OR IMMEDIATELY FOLLOWING EXCAVATION, THIS MATERIAL WILL NEED TO BE REMOVED FROM THE INFILTRATION BASIN PRIOR TO INITIATING THE NEXT STEP IN THE INFILTRATION BASIN CONSTRUCTION PROCESS. THIS IS ESPECIALLY IMPORTANT IF THE INFILTRATION BASIN HAS BEEN DESIGNED TO INFILTRATE STORM WATER. SEDIMENT THAT HAS BEEN WASHED INTO THE INFILTRATION BASIN DURING THE EXCAVATION PROCESS CAN SEAL THE PERMEABLE MATERIAL, SIGNIFICANTLY REDUCING THE INFILTRATION CAPACITY OF THE SOILS.
- 7) INFILTRATION BASIN TO BE SEEDED WITH MNDOT SEED MIX 33-261 OR APPROVED EQUAL. SEEDING SHALL CONFORM TO MNDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION.
- 8) BOTTOM OF INFILTRATION BASIN TO BE SEEDED AND SHALL BE MULCHED WITH CLEAN GRAIN STRAW (MNDOT TYPE 3) AT A RATE OF 2 TONS PER ACRE.
- 9) SEEDING AND INSTALLATION OF ANY EROSION CONTROL BLANKET NECESSARY SHALL BE COMPLETED WITHIN SEVEN (7) DAYS OF FINAL GRADING.



**TYPICAL INFILTRATION BASIN CROSS-SECTION**  
 NOT TO SCALE



**SPECIFICATIONS:**  
**MONUMENT:**  
 CONSISTS OF A POST AND A WETLAND BUFFER SIGN  
**WETLAND BUFFER SIGNS:**  
 MOUNTED FLUSH WITH THE TOP OF THE POSTS FASTENED WITH NON-REMEDIABLE SCREWS OR BUSHETS SIGN IS BROWN WITH WHITE LETTERING 12"x12" SIGN SHALL BE HIGH 3M HIGH INTENSITY REFLECTIVE SHEETING  
**POST MATERIALS:**  
 GALVANIZED STEEL POST  
**POST INSTALLATION:**  
 MOUNTED TO A HEIGHT OF FOUR FEET ABOVE GRADE SET AT LEAST 42 INCHES IN THE GROUND INSTALLED AT EACH CORNER OF THE MONUMENT AT LEAST ONE CORNER A 1/2" DIA. POST SHALL BE INSTALLED TO A MINIMUM OF 200 TO 250 INCHES FROM THE MONUMENT SHALL BE AT THE EDGE OF THE WETLAND  
 PLACE ADDITIONAL POSTS AS NECESSARY TO FOLLOW CONSERVATION EASEMENT LINE

CLIENT:  
**VOICE OF HOPE CHURCH**  
 13850 Lincoln St NE  
 Ham Lake, MN 55304  
 Roman Andriychuk  
 763-516-4206  
 roman.atozcontract@gmail.com

**SITE DEVELOPMENT PROJECT**  
**15620 Armstrong Blvd NW Ramsey, MN 55303**  
**DETAILS**

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.  
 Date: 02/24/26 Reg. No. 24348  
 PREPARED BY: **CIVIL ENGINEERING SITE DESIGN**  
 118 East Broadway St.  
 Monticello, Mn 55362  
 Phone: 763-314-0929  
 www.civiles.com

DATE	REVISIONS
06/18/24	GRADING MODIFICATIONS
07/11/24	CITY COMMENTS
07/30/24	ADD SEPTIC CONNECTION PER CITY COMMENTS
08/28/24	WATERSHED COMMENTS
09/12/24	REDUCE PARKING LOT EXPANDED BASIN
09/19/25	CITY COMMENTS, REVISED D&I EASEMENT
03/11/25	GRADING MODIFICATIONS
08/29/25	REVISED ENTRANCE ELEV'S & OWNER COMMENTS
01/09/26	REVISED ENTRANCE ELEVATION AND ADDED NOTES
02/24/26	REVISED TURN LANE STRIPING AND SIGNS

DATE	DRAWN BY	DESIGNED BY	CHECKED BY
06/14/24	SD	SD	SD

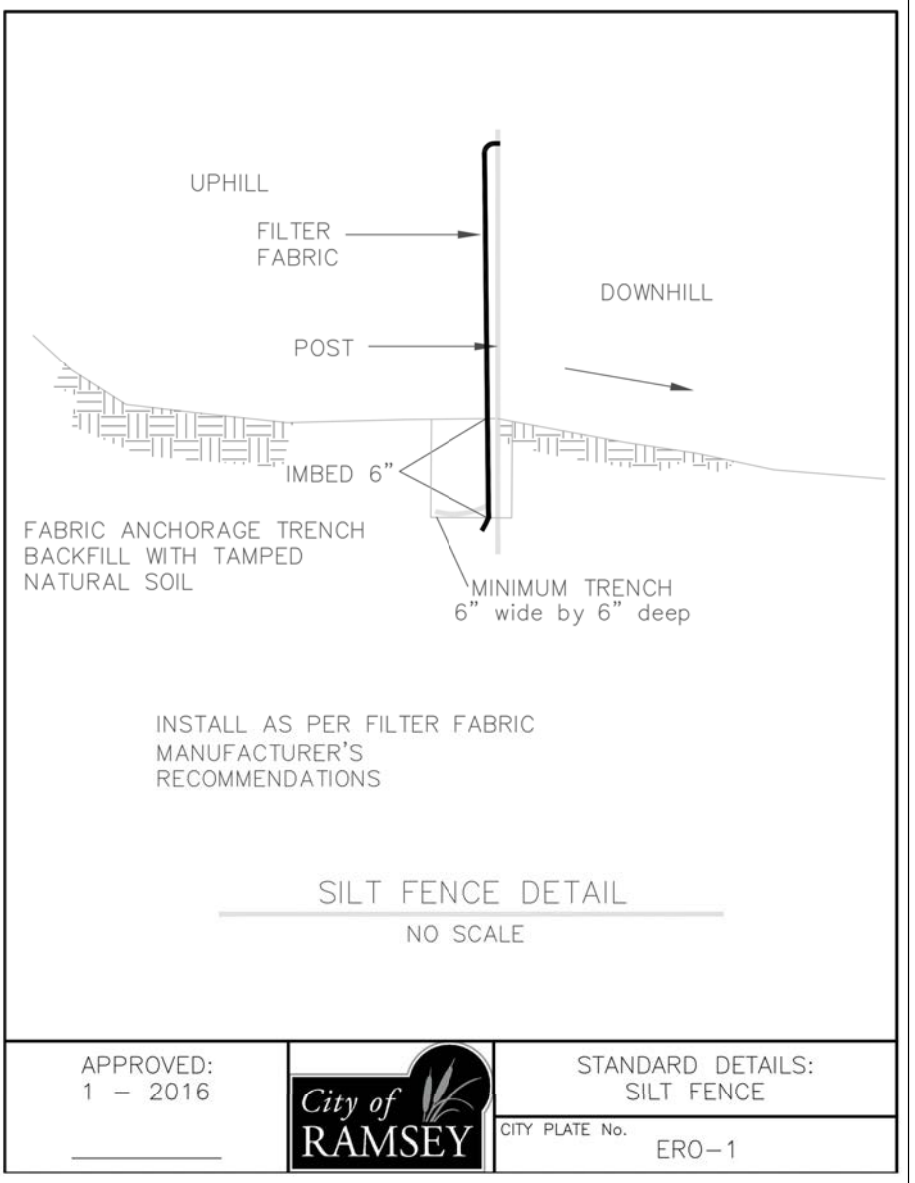
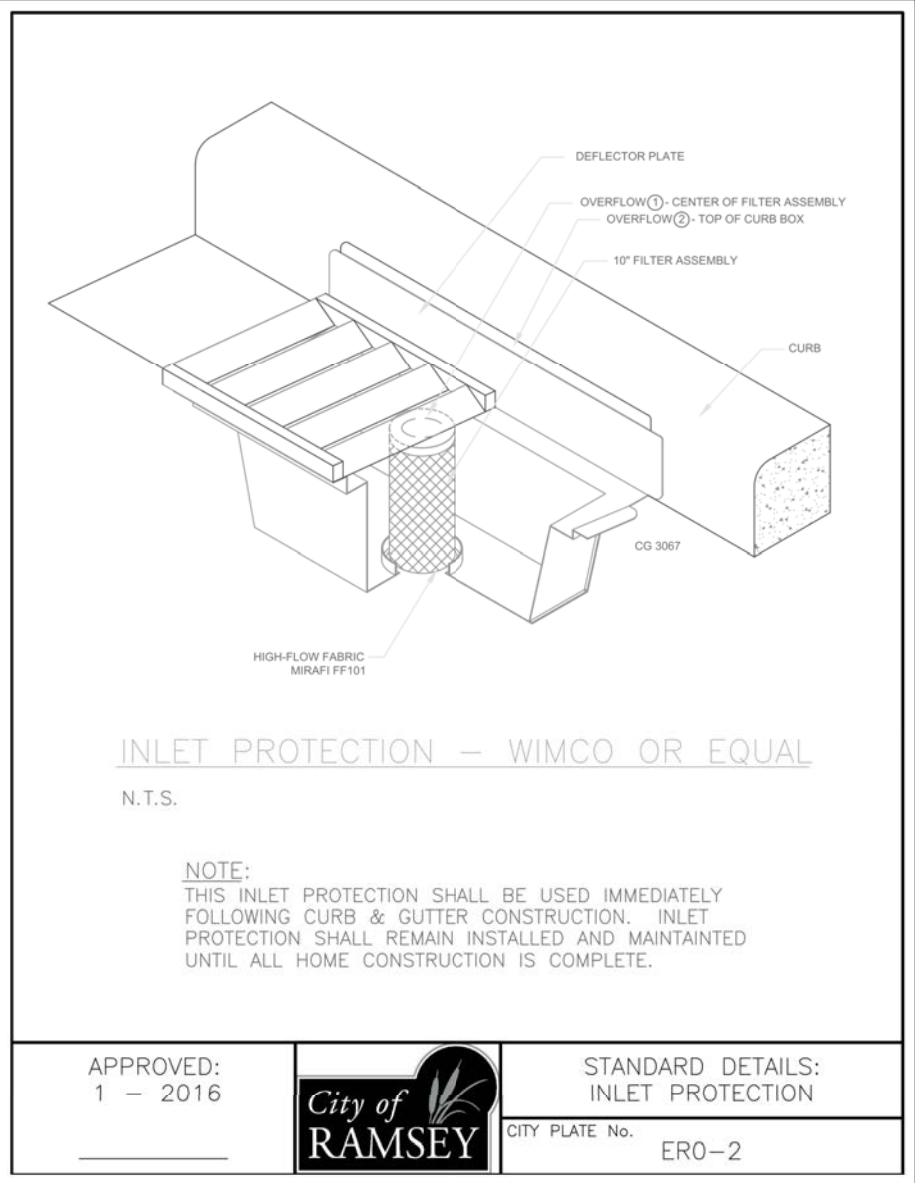
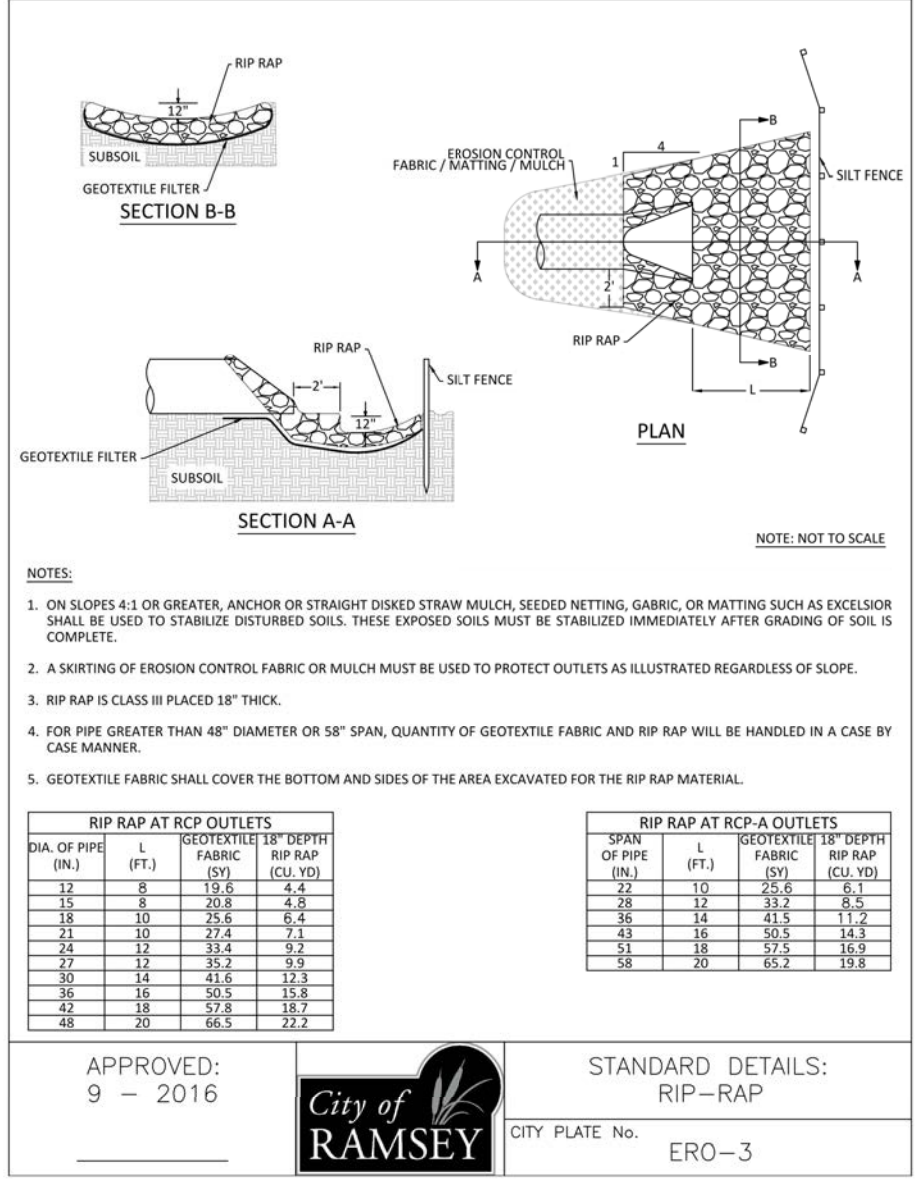
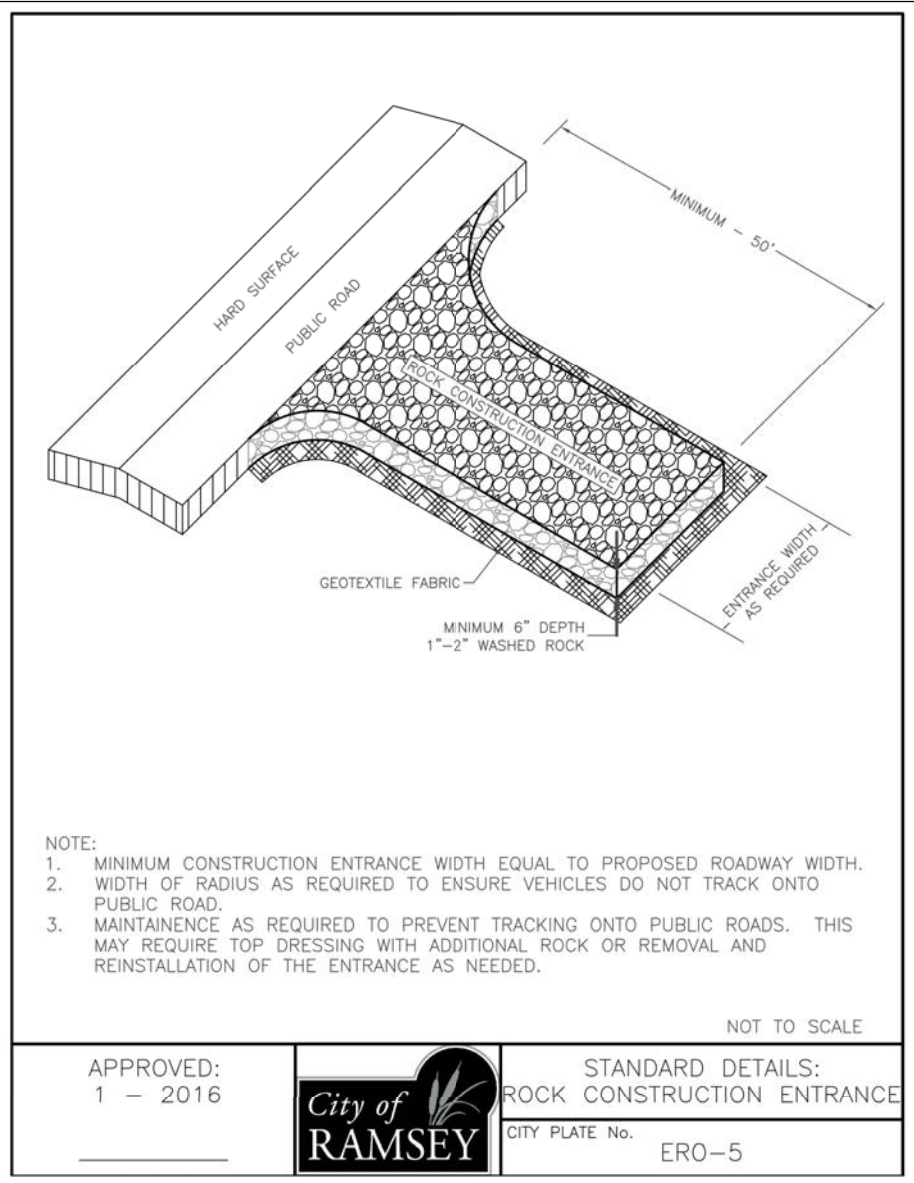
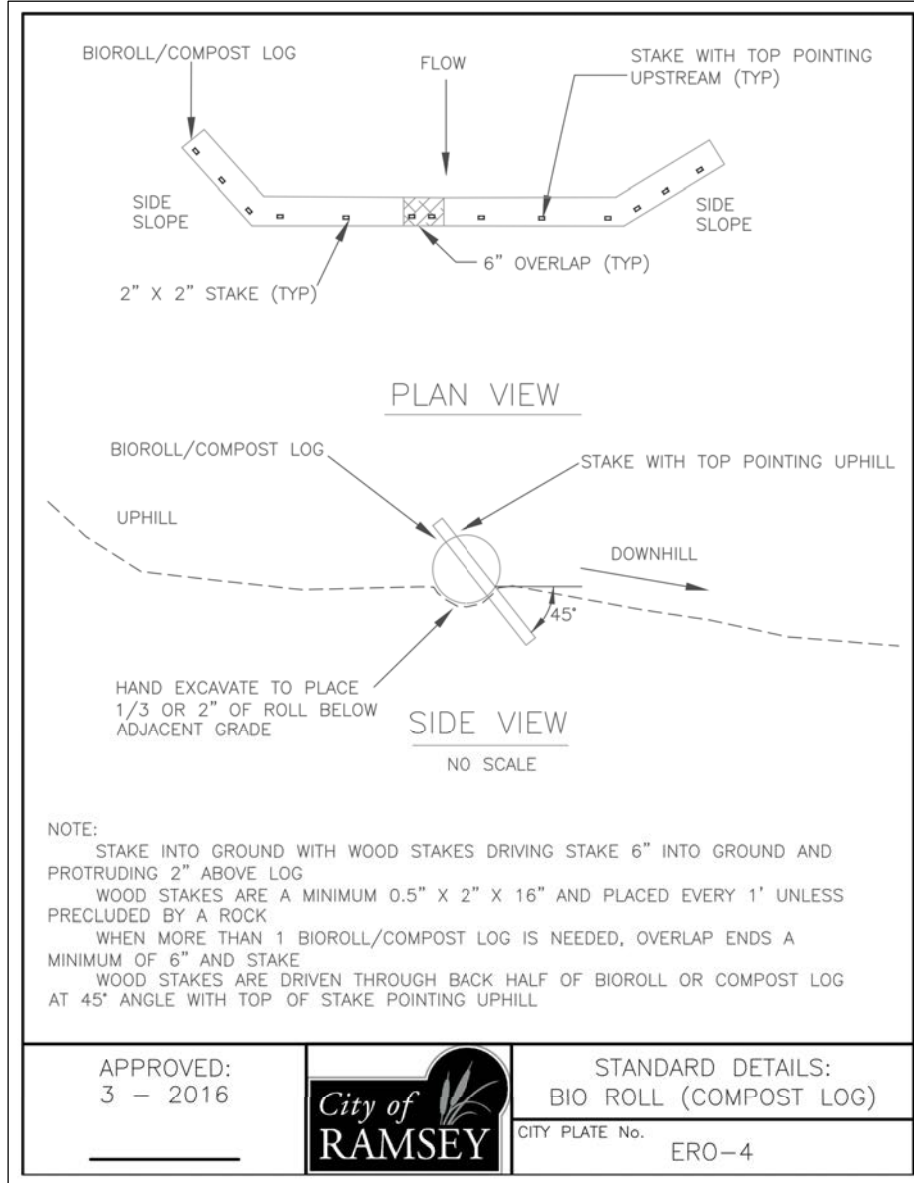
FILE NO. 00948

**C7.2**  
 Details

**INDEX OF CIVIL SITE DRAWINGS:**

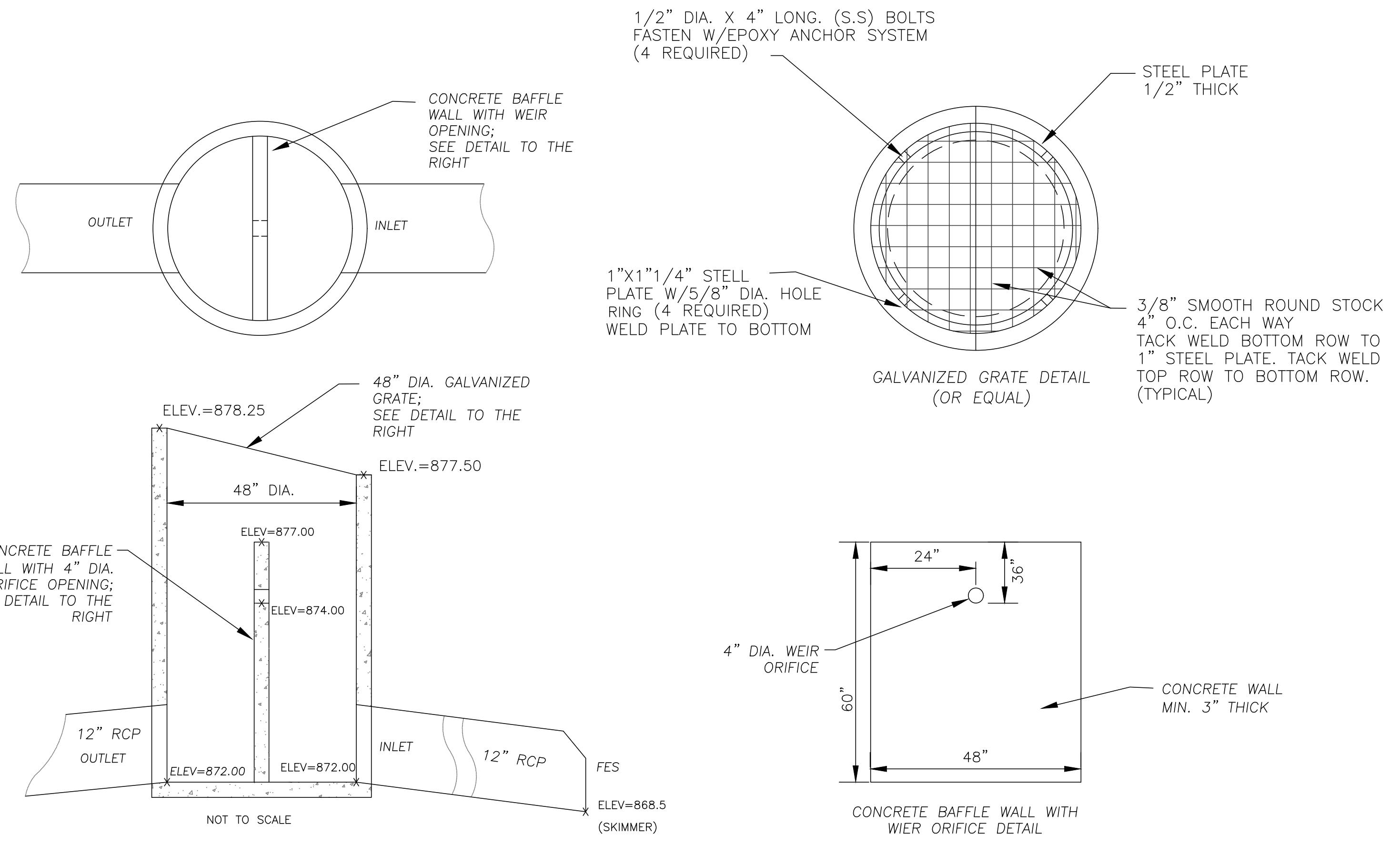
- C0 PROJECT LOCATION PLAN
- C1.1-C1.2 PRELIMINARY PLAT & SITE DESIGN
- C2 GRADING & DRAINAGE PLAN
- C3 SANITARY & WATER UTILITY PLAN
- C4 STORM SEWER UTILITY PLAN
- C5 SWPPP
- C6 EXISTING CONDITIONS & REMOVAL PLAN
- C7.1-C7.3 DETAILS

Notes:  
 1. INSTALLATION OF 4" OF TOPSOIL REQUIRED ACROSS ALL DISTURBED AREAS.  
 2. TOPSOIL IS DEFINED AS BLACK DIRT COMPOSED OF UNCONSOLIDATED MATERIAL, LARGELY UNDECOMPOSED ORGANIC MATTER WHICH IS SUITABLE FOUNDATION FOR VEGETATIVE GROWTH.  
 3. THE COMPOSITION OF TOPSOIL SHOULD CONTAIN NO MORE THAN THIRTY-FIVE PERCENT (35%) SAND CONTENT.



CLIENT:  
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**SITE DEVELOPMENT PROJECT**  
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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.  
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REVISIONS	DATE	BY	SD	COMMENTS
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07/11/24	07/11/24			CITY COMMENTS
07/30/24	07/30/24			ADD SEPTIC CONNECTION PER CITY COMMENTS
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DATE	06/14/24	DRAWN BY	SD	DESIGNED BY	SD	CHECKED BY	SD

FILE NO. 00948

**INDEX OF CIVIL SITE DRAWINGS:**

C0	PROJECT LOCATION PLAN
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C5	SWPPP
C6	EXISTING CONDITIONS & REMOVAL PLAN
C7.1-C7.3	DETAILS

**C7.3**

Details