

**BENCHMARKS**

#1 T.N.H. AT END OF CUL-DE-SAC OF MAPLE VIEW COURT, ON EAST SIDE OF SITE  
ELEV=956.35

# WATTEN POND 2ND ADDITION RESIDENTIAL

SHOREWOOD, MINNESOTA

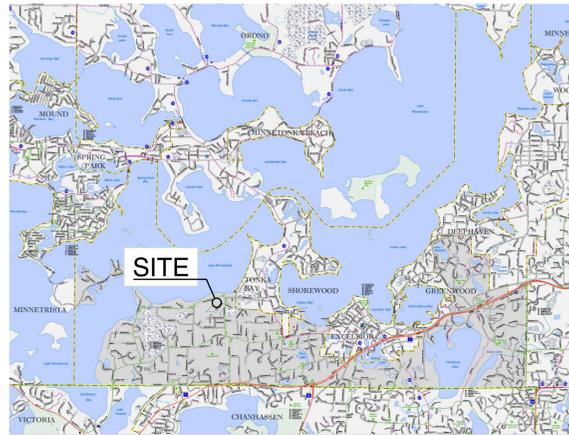
## PRELIMINARY PHASE

FOR

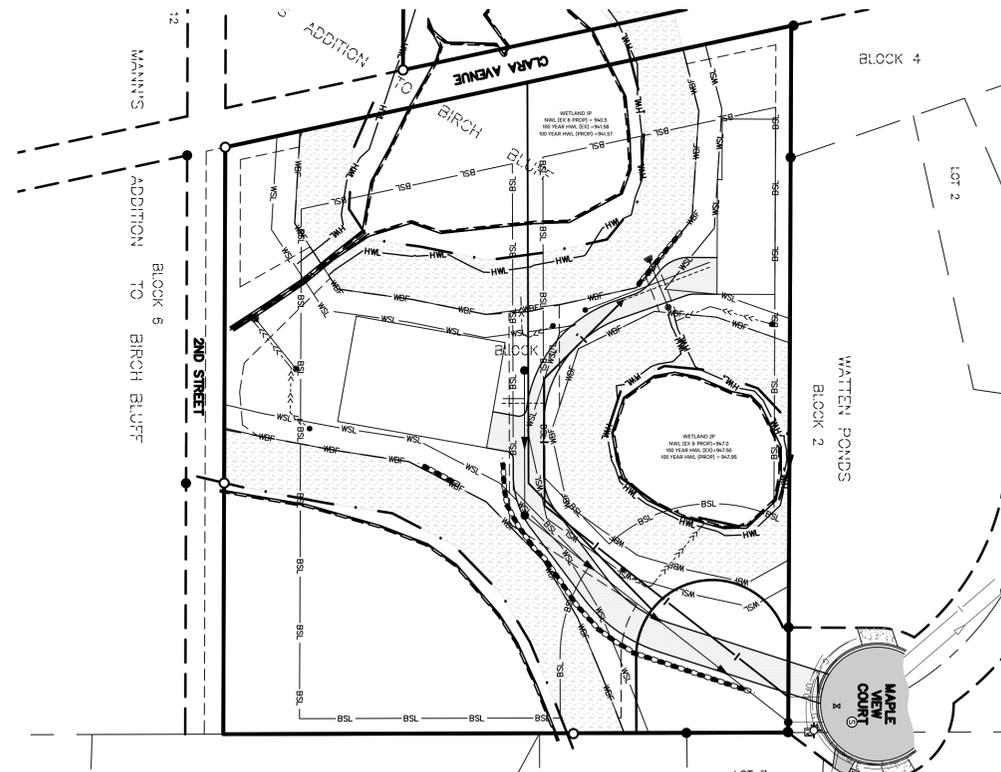
## GRAVITY INVESTMENT LLC

INDEX

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PRELIMINARY PLAT	2.0
GRADING & DRAINAGE PLAN	C300
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CONSTRUCTION DETAILS	C700-C701



LOCATION MAP



**DEVELOPER**  
GRAVITY INVESTMENT LLC  
1680 WEST FARM ROAD  
CHASKA, MN 55318  
612-865-4100

**PROJECT ENGINEER**  
HILL INCORPORATED  
2999 WEST COUNTY ROAD 42, SUITE 100  
BURNSVILLE, MN 55306  
952-890-6044

**SURVEYOR**  
HILL INCORPORATED  
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bbusselman@mnhill.com  
www.mnhill.com

**HILL**  
INCORPORATED



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 in the State of Minnesota.  
ENTER NAME HERE  
Date: 2025/10/20 Reg. No. 2025/10/20

SHOREWOOD RESIDENTIAL  
SHOREWOOD, MN  
TITLE SHEET  
FOR  
GRAVITY INVESTMENT LLC

DRAWN BY  
VUN

DATE  
10/20/2025

**REVISIONS**

2026-01-16	CITY & MCWD COMM.
2026-01-19	BASIN OUTLET REVS
2026-01-20	ROW VACATION REMOVAL
2026-01-22	LOT LINE SHIFT

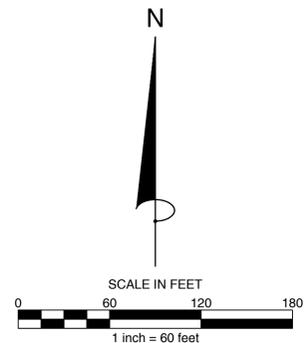
CAD FILE  
24303TS

PROJECT NO.  
24303

**C100**



Know what's below.  
Call before you dig.



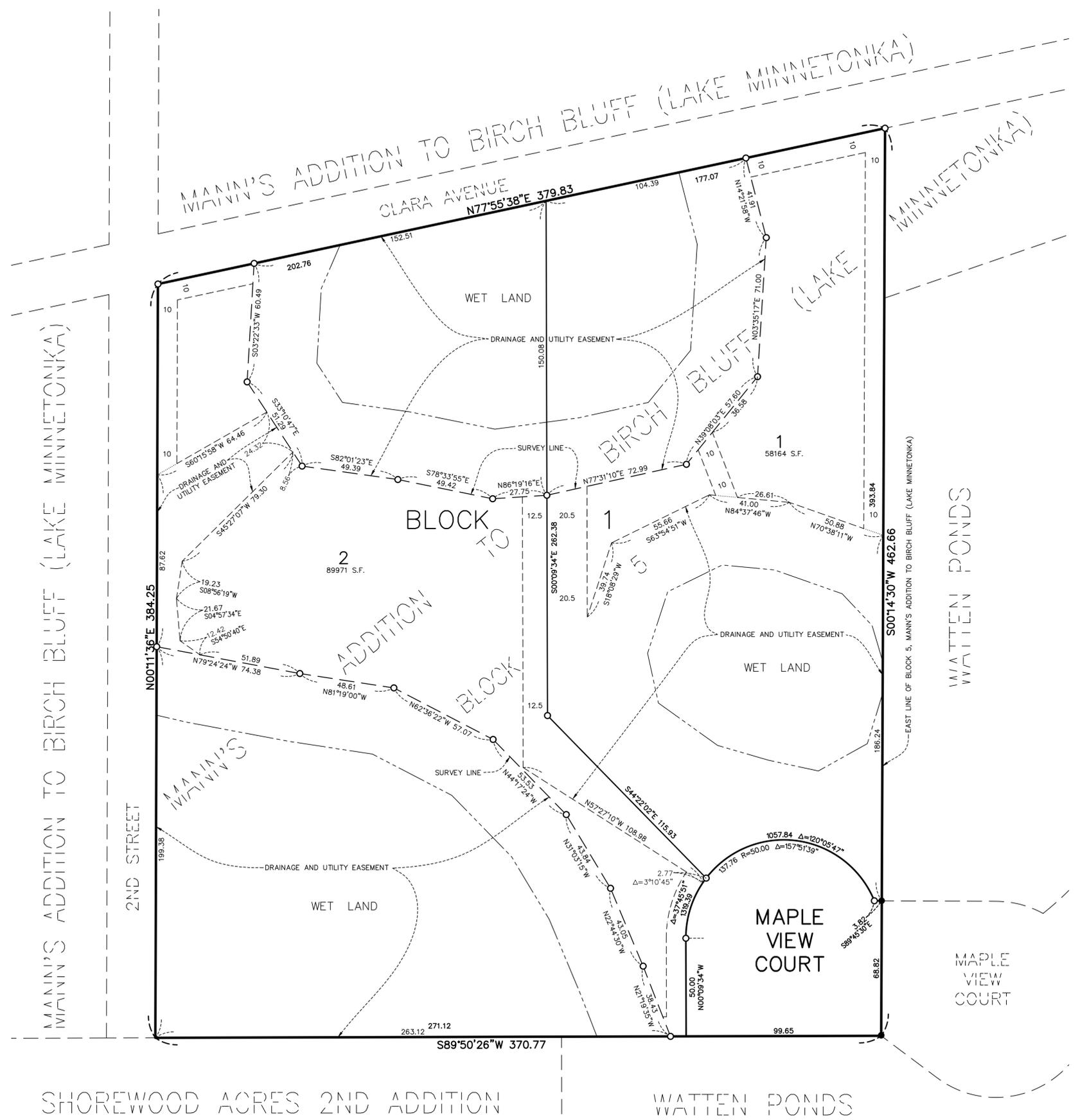


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DRAINAGE AND UTILITY EASEMENTS ARE SHOWN THUS:

DRAINAGE AND UTILITY EASEMENTS BEING 5 FEET IN WIDTH, UNLESS OTHERWISE INDICATED, ADJOINING LOT LINES, AND BEING 10 FEET IN WIDTH, UNLESS OTHERWISE INDICATED, ADJOINING RIGHT OF WAY LINES, AS SHOWN ON THIS PLAT.



**SURVEYED PROPERTY**

Legal Description:  
All of Block 5, Mann's Addition To Birch Bluff (Lake Minnetonka)

**ZONING INFORMATION**

CURRENT ZONING: R-1A RESIDENTIAL  
PROPOSED ZONING: R-1A RESIDENTIAL

**SITE DATA**

GROSS AREA: 3.61 ACRES  
LOTS: 2 LOTS  
GROSS DENSITY (TOTAL UNITS/GROSS AREA): 0.55 D.U./ACRE  
LOTS R.O.W. TOTAL: 3.40 ACRES  
R.O.W.: 0.21 ACRES  
TOTAL: 3.61 ACRES

**MINIMUM SETBACKS (SINGLE FAMILY)**

FRONT: 50 FEET  
SIDE (HOUSE & GARAGE): 10 FEET  
SIDE (STREET): 50 FEET  
REAR: 50 FEET

**MINIMUM LOT REQUIREMENTS**

LOT SIZE: 40,000 S.F.  
LOT WIDTH: 120 FEET  
LOT DEPTH: 150 FEET

I hereby certify that this survey, plan or map was prepared by me or under my direct supervision and that I am a duly Licensed Land Surveyor in the State of Minnesota.  
**PRELIMINARY**  
Date: \_\_\_\_\_ Reg. No. \_\_\_\_\_

**WATTEN PONDS 2ND ADDITION**  
SHOREWOOD, MINNESOTA  
**PRELIMINARY PLAT**  
FOR  
**GRAVITY INVESTMENT, LLC**

<b>DRAWN BY</b>	PLM
<b>DATE</b>	10/17/2025
<b>REVISIONS</b>	
A. 2026-01-13: City comments	
B. 2026-01-20: City comments	
C. 2026-01-21: City comments	

CAD FILE: 24303PP.dwg  
PROJECT NO.: 24303-00  
2.0

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BURNSVILLE, MN 55306  
PHONE: 952-890-6044  
marcus@mmhill.com  
www.mmhill.com





**LEGEND**

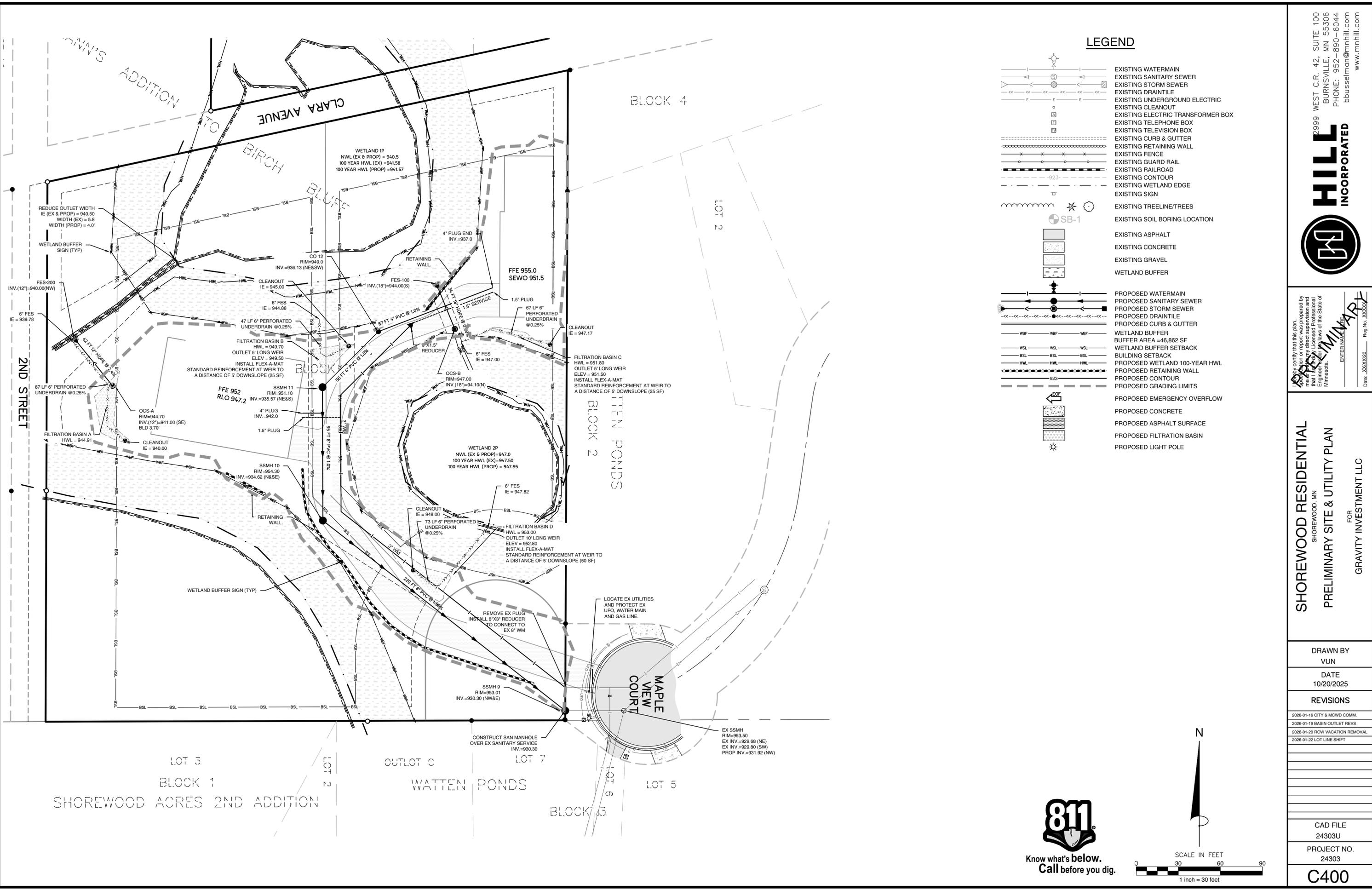
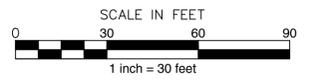
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- EXISTING SANITARY SEWER
- EXISTING STORM SEWER
- EXISTING DRAIN TILE
- EXISTING UNDERGROUND ELECTRIC
- EXISTING CLEANOUT
- EXISTING ELECTRIC TRANSFORMER BOX
- EXISTING TELEPHONE BOX
- EXISTING TELEVISION BOX
- EXISTING CURB & GUTTER
- EXISTING RETAINING WALL
- EXISTING FENCE
- EXISTING GUARD RAIL
- EXISTING RAILROAD
- EXISTING CONTOUR
- EXISTING WETLAND EDGE
- EXISTING SIGN
- EXISTING TREELINE/TREES
- EXISTING SOIL BORING LOCATION
- EXISTING ASPHALT
- EXISTING CONCRETE
- EXISTING GRAVEL
- WETLAND BUFFER
- PROPOSED WATERMAIN
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- PROPOSED DRAIN TILE
- PROPOSED CURB & GUTTER
- WETLAND BUFFER
- BUFFER AREA = 46,862 SF
- WETLAND BUFFER SETBACK
- BUILDING SETBACK
- PROPOSED WETLAND 100-YEAR HWL
- PROPOSED RETAINING WALL
- PROPOSED CONTOUR
- PROPOSED GRADING LIMITS
- PROPOSED EMERGENCY OVERFLOW
- PROPOSED CONCRETE
- PROPOSED ASPHALT SURFACE
- PROPOSED FILTRATION BASIN
- PROPOSED LIGHT POLE

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 in the State of Minnesota.  
**OPPE MAAR**  
 ENTER NAME HERE  
 Date: 2/22/2025 Reg. No. 202527

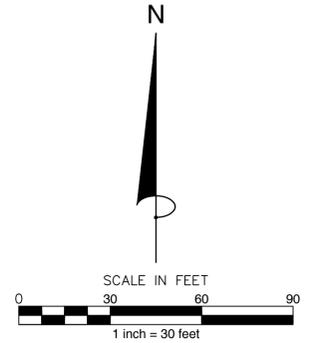
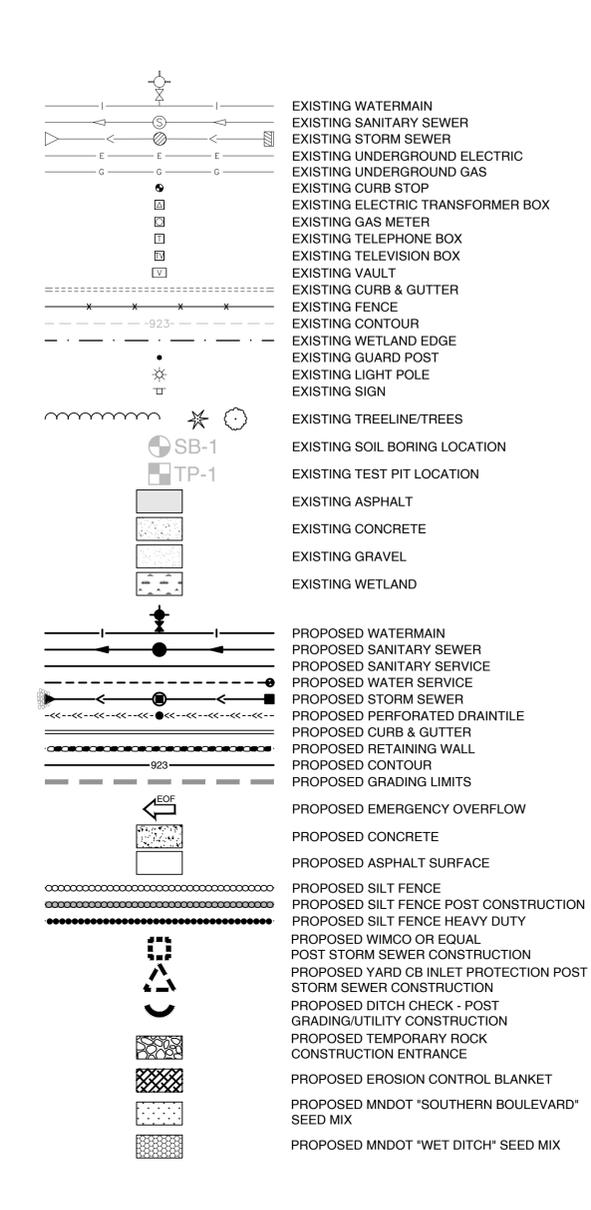
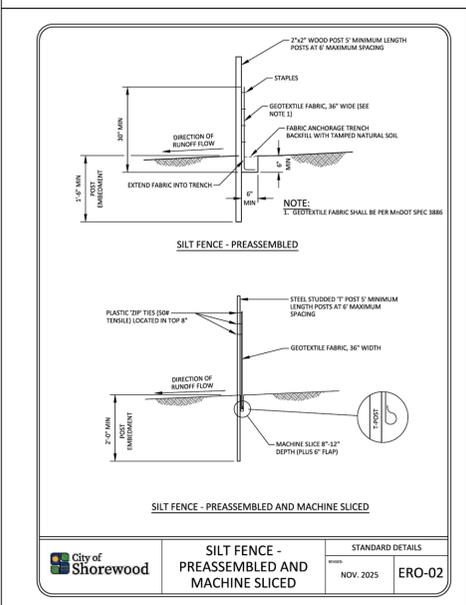
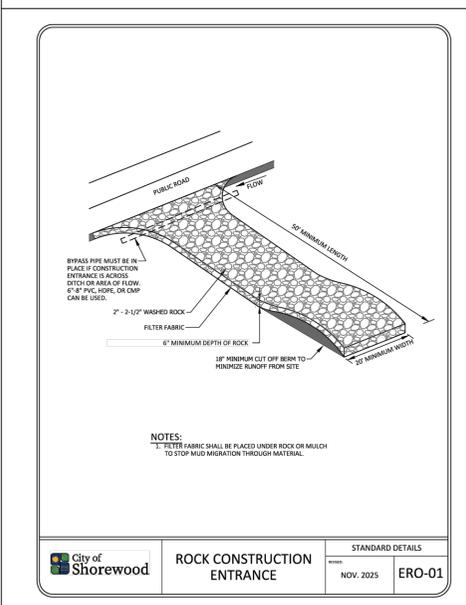
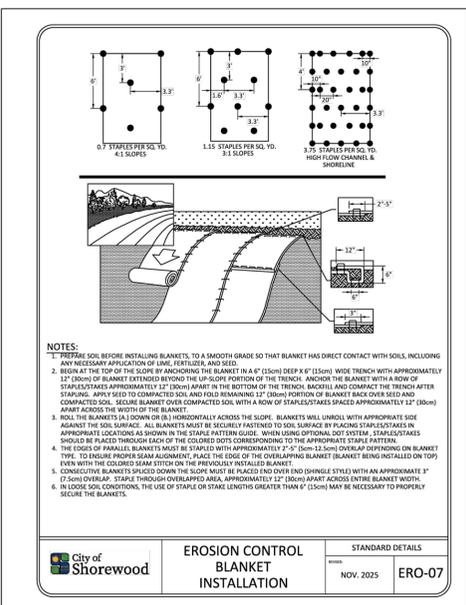
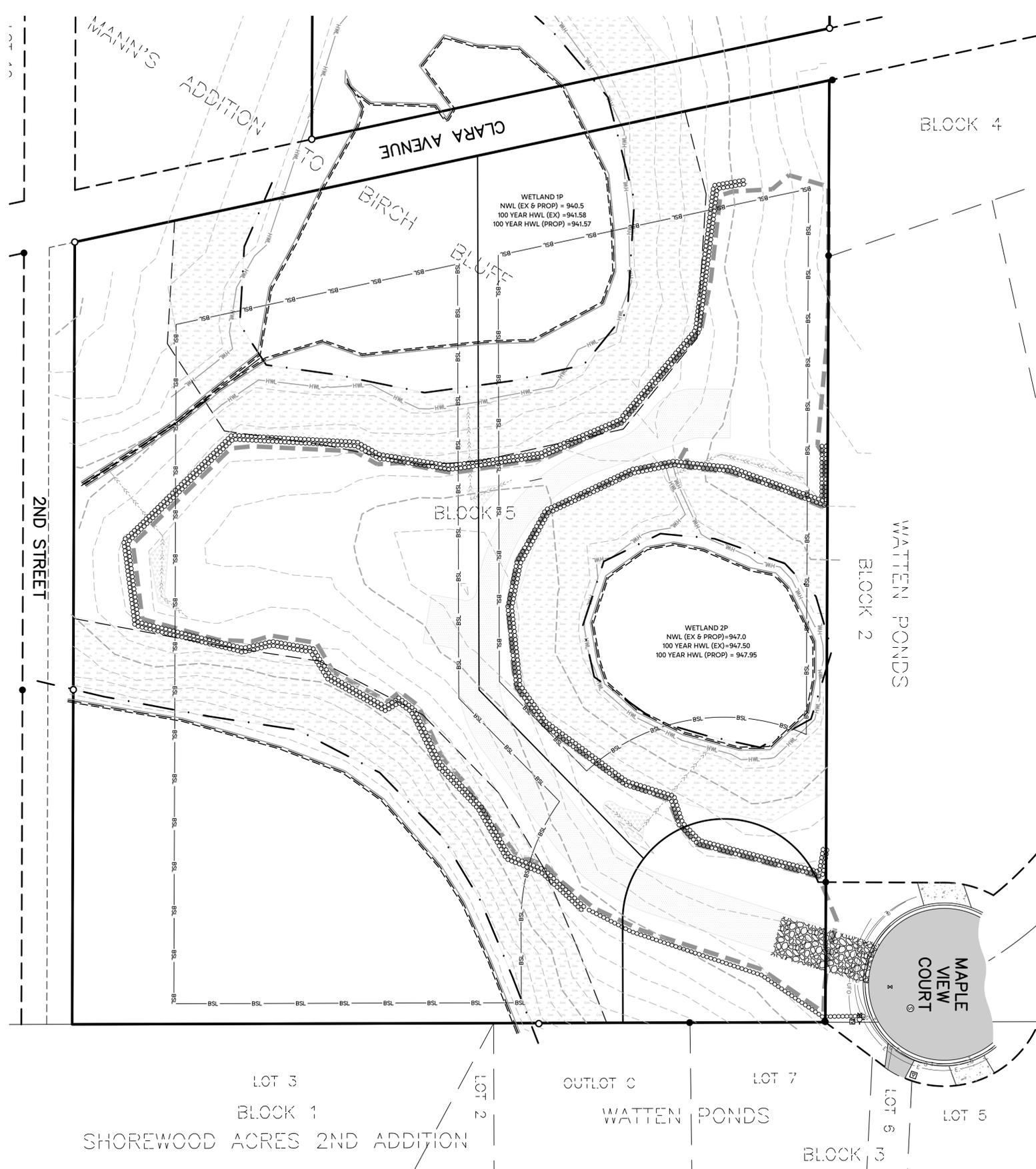
**SHOREWOOD RESIDENTIAL**  
 SHOREWOOD, MN  
**PRELIMINARY SITE & UTILITY PLAN**  
 FOR  
**GRAVITY INVESTMENT LLC**

<b>DRAWN BY</b>	VUN
<b>DATE</b>	10/20/2025
<b>REVISIONS</b>	
2026-01-16 CITY & MCWD COMM.	
2026-01-19 BASIN OUTLET REVS	
2026-01-20 ROW VACATION REMOVAL	
2026-01-22 LOT LINE SHFT	

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<b>PROJECT NO.</b>	24303
<b>C400</b>	



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 PHONE: 952-890-6044  
 bbusselman@mnhill.com  
 www.mnhill.com

Shorewood Residential  
 SHOREWOOD, MN  
 PHASE I EROSION CONTROL PLAN

FOR  
 GRAVITY INVESTMENT LLC

DATE: 2026.01.16  
 REG. NO. 2026.01.16

DRAWN BY  
 BDB

DATE  
 10/20/2025

REVISIONS

2026-01-16	CITY & MCWD COMM.
2026-01-19	BASIN OUTLET REVS
2026-01-20	ROW VACATION REMOVAL
2026-01-22	LOT LINE SHIFT

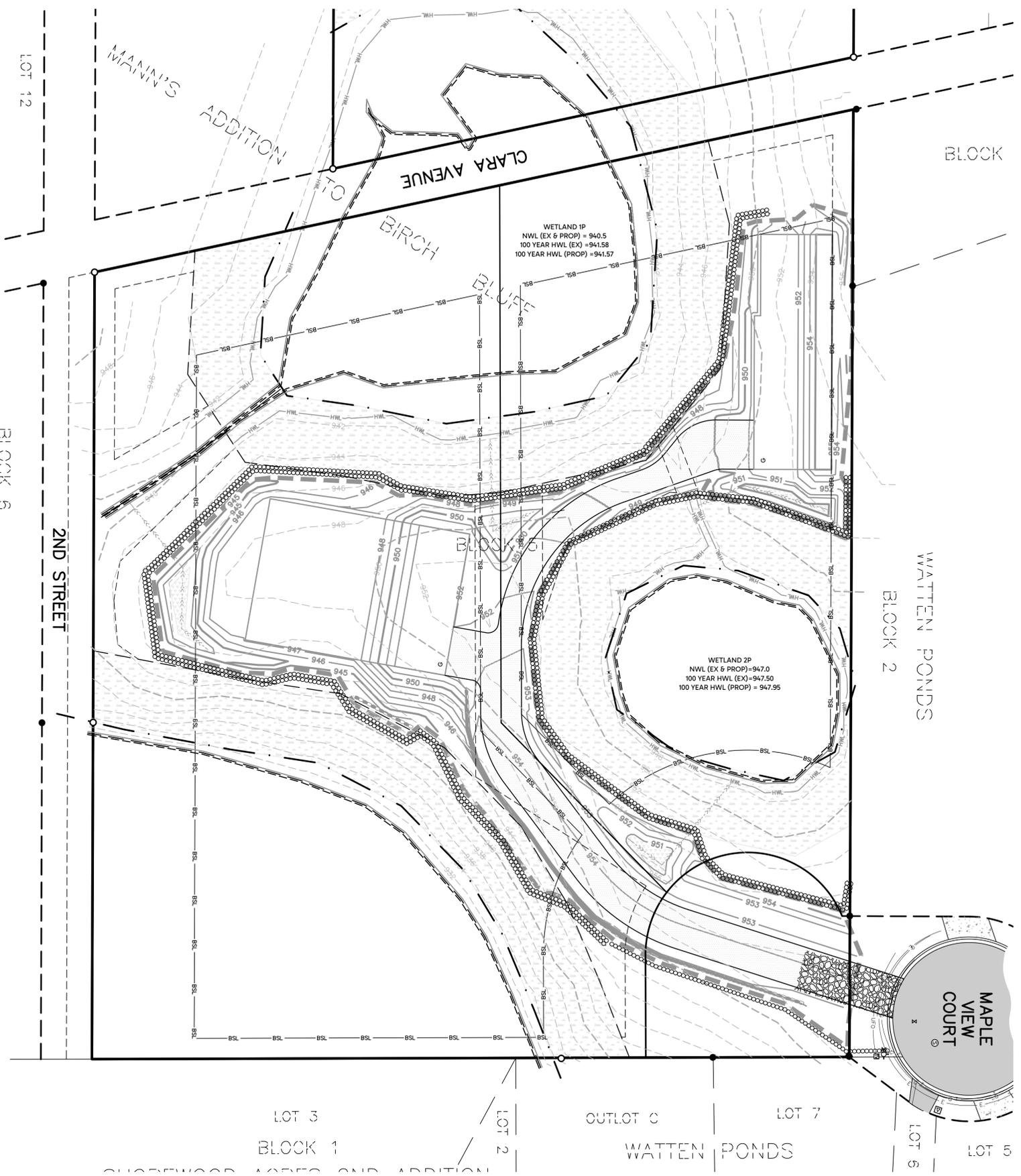
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**EROSION CONTROL BLANKET INSTALLATION**

STANDARD DETAILS  
NOV. 2025 ERO-07

City of Shorewood

**NOTES:**

1. PREPARE SOIL BEFORE INSTALLING BLANKETS TO A SMOOTH GRADE SO THAT BLANKET HAS DIRECT CONTACT WITH SOILS, INCLUDING ANY NECESSARY APPLICATION OF GRISS, FERTILIZERS, AND SEED.
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" (15cm) DEEP X 4" (10cm) WIDE TRENCH WITH APPROXIMATELY 12" (30cm) OF BLANKET EXTENDING BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAPLES APPROXIMATELY 12" (30cm) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FILL REMAINING 12" (30cm) PORTION OF BLANKET BACK COVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAPLES SPACED APPROXIMATELY 12" (30cm) APART ACROSS THE WIDTH OF THE BLANKET.
3. ROLL THE BLANKETS (A) DOWN THE SLOPE (B) CONTINUALLY ACROSS THE SLOPE. BLANKETS WILL UNROLL WITH APPROXIMATE DISE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAPLES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING OPTIONAL DOT SYSTEM STAPLES/STAPLES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 12" (30cm) OVERLAP DEPENDING ON BLANKET TYPE. TO ENSURE PROPER SEAM ALIGNMENT, PLACE THE EDGE OF THE OVERLAPPING BLANKET (BLANKET BEING INSTALLED ON TOP) EVEN WITH THE COLORED SEAM STITCH ON THE PREVIOUS BLANKET.
5. CONSECUTIVE BLANKETS SPACED DOWN THE SLOPE MUST BE PLACED END OVER END (CHANGE STYLES) WITH AN APPROXIMATE 1" (25mm) OVERLAP. STAPLE THROUGH OVERLAP AREA, APPROXIMATELY 12" (30cm) APART ACROSS THE BLANKET WIDTH.
6. IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" (15cm) MAY BE NECESSARY TO PROPERLY SECURE THE BLANKETS.

**ROCK CONSTRUCTION ENTRANCE**

STANDARD DETAILS  
NOV. 2025 ERO-01

City of Shorewood

**NOTES:**

1. SPREAD PIPES MUST BE IN PLACE IF CONSTRUCTION ENTRANCE IS ACROSS SLOPE OR AREA OF FLOW. 6" (15cm) PVC PIPE OR CMP CAN BE USED.
2. 2" - 3/4" WASHED ROCK.
3. 6" MINIMUM DEPTH OF ROCK.
4. 18" MINIMUM CUT OFF BEHIND TO REDUCE RUNOFF FROM SITE.

**SILT FENCE - PREASSEMBLED AND MACHINE SLICED**

STANDARD DETAILS  
NOV. 2025 ERO-02

City of Shorewood

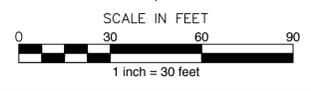
**NOTES:**

1. 2"x4" WOOD POST 1" MINIMUM LENGTH POSTS AT 6' MAXIMUM SPACING.
2. STAPLES.
3. GEOTEXTILE FABRIC, 36" WIDE (SEE NOTES).
4. FABRIC ANCHORAGE TRENCH BACKFILL WITH TAMPED NATURAL SOIL.
5. 12" MIN.
6. 14" MIN.
7. 2"x4" POST EMBARKMENT.
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100. 2"x4" POST EMBARKMENT.

**EXISTING WATERMAIN**  
**EXISTING SANITARY SEWER**  
**EXISTING STORM SEWER**  
**EXISTING UNDERGROUND ELECTRIC**  
**EXISTING UNDERGROUND GAS**  
**EXISTING CURB STOP**  
**EXISTING ELECTRIC TRANSFORMER BOX**  
**EXISTING GAS METER**  
**EXISTING TELEPHONE BOX**  
**EXISTING TELEVISION BOX**  
**EXISTING VAULT**  
**EXISTING CURB & GUTTER**  
**EXISTING FENCE**  
**EXISTING CONTOUR**  
**EXISTING WETLAND EDGE**  
**EXISTING GUARD POST**  
**EXISTING LIGHT POLE**  
**EXISTING SIGN**

**EXISTING TREELINE/TREES**  
**EXISTING SOIL BORING LOCATION**  
**EXISTING TEST PIT LOCATION**  
**EXISTING ASPHALT**  
**EXISTING CONCRETE**  
**EXISTING GRAVEL**  
**EXISTING WETLAND**

**PROPOSED WATERMAIN**  
**PROPOSED SANITARY SEWER**  
**PROPOSED SANITARY SERVICE**  
**PROPOSED WATER SERVICE**  
**PROPOSED STORM SEWER**  
**PROPOSED PERFORATED DRAINTILE**  
**PROPOSED CURB & GUTTER**  
**PROPOSED RETAINING WALL**  
**PROPOSED CONTOUR**  
**PROPOSED GRADING LIMITS**  
**PROPOSED EMERGENCY OVERFLOW**  
**PROPOSED CONCRETE**  
**PROPOSED ASPHALT SURFACE**  
**PROPOSED SILT FENCE POST CONSTRUCTION**  
**PROPOSED SILT FENCE HEAVY DUTY**  
**PROPOSED WIMCO OR EQUAL**  
**POST STORM SEWER CONSTRUCTION**  
**PROPOSED YARD CB INLET PROTECTION POST**  
**STORM SEWER CONSTRUCTION**  
**PROPOSED DITCH CHECK - POST GRADING/UTILITY CONSTRUCTION**  
**PROPOSED TEMPORARY ROCK CONSTRUCTION ENTRANCE**  
**PROPOSED EROSION CONTROL BLANKET**  
**PROPOSED MNDOT "SOUTHERN BOULEVARD" SEED MIX**  
**PROPOSED MNDOT "WET DITCH" SEED MIX**



**HILL INCORPORATED**

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 bbusselman@mhill.com  
 www.mhill.com

DATE: 2/22/2026 Reg. No. 202601

ENTER NAME HERE

**SHOREWOOD RESIDENTIAL**  
 SHOREWOOD, MN  
**PHASE II EROSION CONTROL PLAN**

FOR  
**GRAVITY INVESTMENT LLC**

DRAWN BY  
BDB

DATE  
10/20/2025

REVISIONS

2026-01-16 CITY & MCWD COMM.
2026-01-19 BASIN OUTLET REVS
2026-01-20 ROW VACATION REMOVAL
2026-01-22 LOT LINE SHIFT

CAD FILE  
24303ERC

PROJECT NO.  
24303

**C501**



PT. #	NORTHING	EASTING	CALIBER (IN)	NAME
10813	142117.3	442100.8	8	MAPLE
10814	142106.2	442083.8	8	MAPLE
10815	142092.6	442098	19	OAK
10816	142081.3	442115.8	18	OAK
10817	142074.3	442124.8	23	OAK
10827	142105	442052.1	8	MAPLE
10828	142104.2	442057.1	8	OAK
10829	142098.2	442062.3	9	MAPLE
10843	142133.3	441975.7	24	OAK
10844	142145.3	442003	14	OAK
10845	142155.2	442011.2	8	OAK
10846	142135.8	442019.3	10	HICKORY
10847	142127.8	442027	8	HICKORY
10848	142116.2	442021.3	10	MAPLE
10851	142124.1	442059.7	12	OAK
10852	142137.9	442050.1	9	OAK
10853	142137.5	442043.1	8	ELM
10854	142146.9	442047	13,9,8	BASSWOOD
10855	142163.1	442012.8	14	BASSWOOD
10859	142207.6	441977.7	8	ELM
10860	142184	441982.3	9	OAK
10861	142175.3	441981.6	12	BASSWOOD
10862	142207.2	441956.3	13,11	BASSWOOD
10863	142205.2	441948.4	14	OAK
10864	142203.5	441950.4	15	OAK
10865	142192.2	441949.5	15	BASSWOOD
10866	142189.3	441947.4	10	OAK
10867	142186	441946.6	10	OAK
10874	142193.2	441905.3	8	OAK
10877	142204.8	441897.8	8	OAK
10878	142220.4	441898.7	10	OAK
10879	142224	441900	12	OAK
10880	142224.8	441907.2	8	MAPLE
10881	142235	441903.4	10	BASSWOOD
10882	142240.7	441885.2	24	OAK
10883	142256.3	441883.6	11	ELM
10884	142282.2	441846.1	15	MAPLE
10885	142295.8	441835.6	16	OAK
10886	142299.8	441830.8	20	WALNUT
10887	142285.1	441823.8	21	WALNUT
10889	142277.9	441827.4	8	WALNUT
10890	142273.9	441824.6	8	WALNUT
10891	142249.3	441837.3	8	WALNUT
10892	142241.6	441824.5	13	OAK
10943	142322.8	441884.3	18	WALNUT
10944	142282.3	441884.5	7	CEDAR
10945	142302.8	441907	8	WALNUT
10946	142315.9	441913	15	ASH
10947	142315.8	441919.4	9	MAPLE
10948	142315.7	441936.7	8	WALNUT
10954	142323.9	441980.9	17	WALNUT
10955	142316.2	441976.3	16	WALNUT

10956	142285.2	441956.8	14	MAPLE
10957	142274.3	441941.4	13	WALNUT
10958	142278.9	441924.2	14	WALNUT
10959	142269.8	441925.2	8	MAPLE
10960	142264.1	441916.8	8	ASH
10961	142265.9	441906.1	8	WALNUT
10962	142257.8	441926.4	10	MAPLE
10963	142244.3	441938.6	13	WALNUT
10964	142226.3	441954.7	15	WALNUT
10965	142236.1	441967.2	9	MAPLE
10966	142256.8	441956	9,9	MAPLE
10967	142282.4	441981.8	9	MAPLE
10970	142299.7	442003.7	12	WALNUT
11000	142332.4	442043.4	13	ASH
11001	142338.5	442037.7	14	ASH
11002	142336.8	442032	9	ASH
11003	142337.7	442028.6	10	MAPLE
11004	142335.6	442027.3	9	MAPLE
11005	142326.8	442031	8	MAPLE
11006	142346.6	442041.3	9	MAPLE
11007	142348.7	442038.7	9	MAPLE
11010	142357.8	442047.3	8	MAPLE
11011	142342.5	442052.4	9	MAPLE
11012	142341.4	442060.3	8	MAPLE
11013	142342.4	442070.8	8	MAPLE
11014	142359.5	442084.4	17	BASSWOOD
11015	142354.4	442083.3	9	ELM
11016	142360.3	442091.2	9	ELM
11017	142358.2	442101.8	10	BASSWOOD
11018	142353.4	442103.8	21	OAK
11019	142347.6	442102.4	24	OAK
11020	142336.8	442095.3	9	ELM
11028	142333.1	442130.7	15	BASSWOOD
11029	142353.1	442131.4	8	ASH
11030	142380.3	442133	8	ELM
11031	142388.5	442131.2	8	HICKORY
11032	142391.4	442130.8	8	HICKORY
11033	142403	442129.5	15	BASSWOOD
11034	142414.2	442120.7	9	MAPLE
11035	142398.7	442121.8	10	HICKORY
11036	142406.1	442092.7	28	OAK
11037	142368.2	442081	9	MAPLE
11038	142369	442062.3	10	HICKORY
11039	142375.5	442059.7	22	ASH
11042	142439.6	442117.7	10,8	MAPLE
11043	142439	442113.6	8	MAPLE



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 in the State of Minnesota.

**EXEMINAR**

Date: \_\_\_\_\_ Reg. No. \_\_\_\_\_

**SHOREWOOD RESIDENTIAL**  
SHOREWOOD, MN  
**TREE PRESERVATION PLAN**  
FOR  
GRAVITY INVESTMENT LLC

DRAWN BY  
VUN

DATE  
10/20/2025

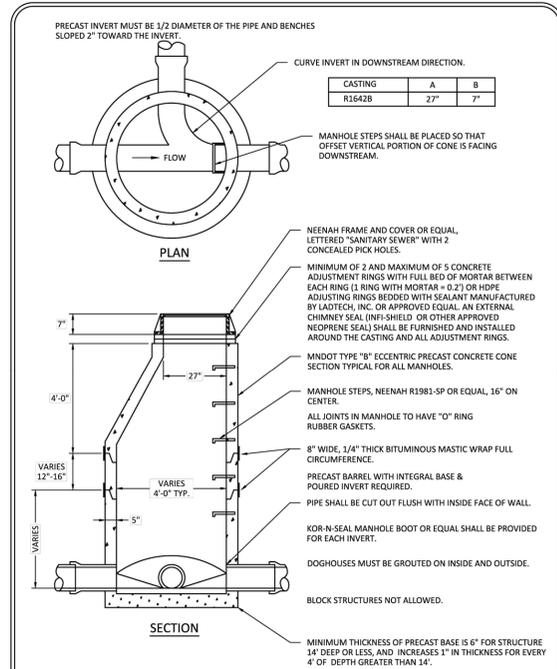
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- 2026-01-16 CITY & MCWD COMM.
  - 2026-01-19 BASIN OUTLET REVS
  - 2026-01-20 ROW VACATION REMOVAL
  - 2026-01-22 LOT LINE SHIFT

CAD FILE  
24303TP

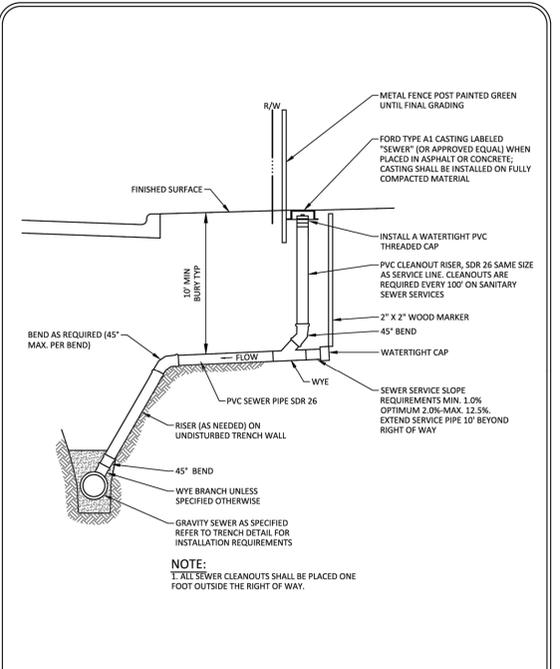
PROJECT NO.  
24303

**C601**

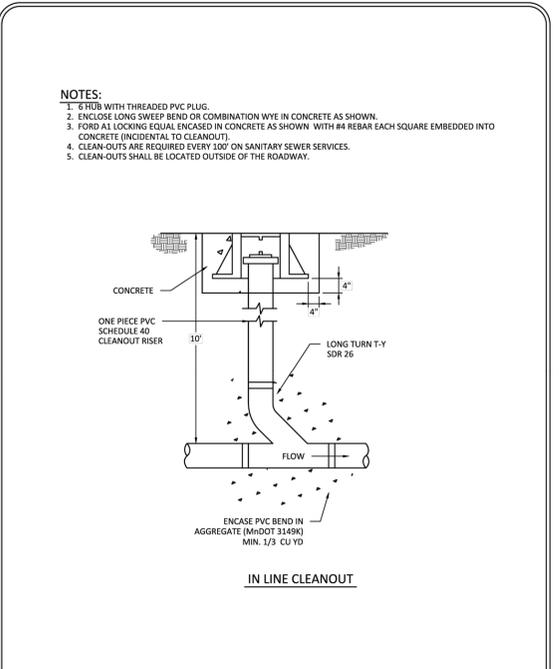
2999 WEST C.R. 42, SUITE 100  
BURNSVILLE, MN 55306  
PHONE: 952-890-6044  
bbusnelman@mnhill.com  
www.mnhill.com



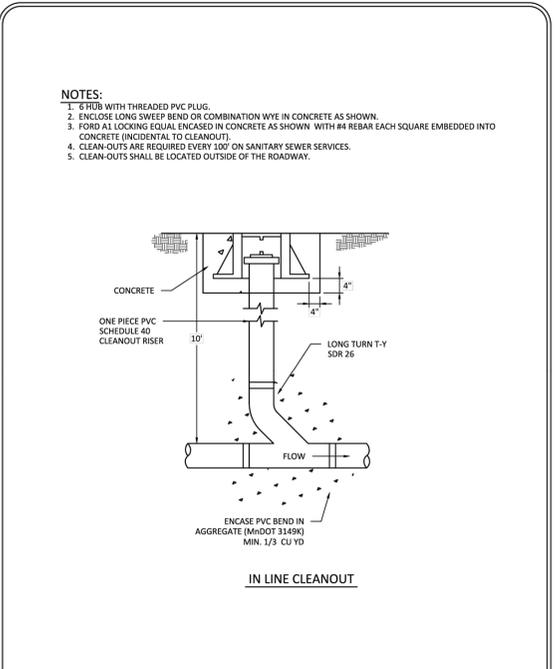
**SANITARY SEWER MANHOLE**  
 STANDARD DETAILS  
 NOV. 2025 SAN-01



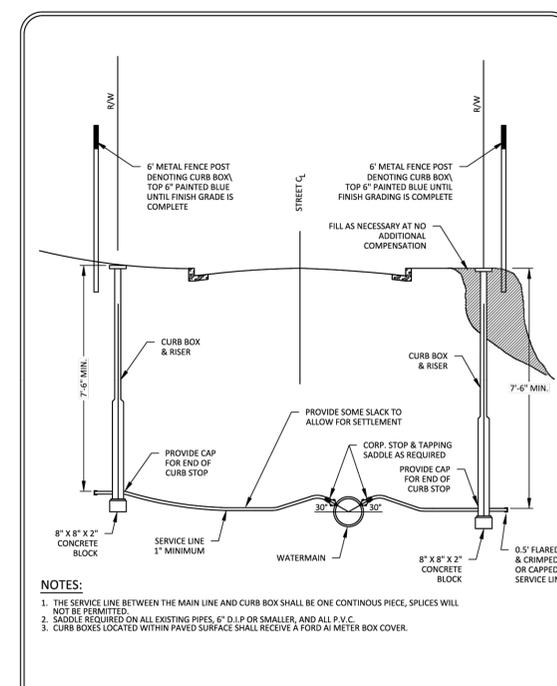
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 STANDARD DETAILS  
 NOV. 2025 SAN-04



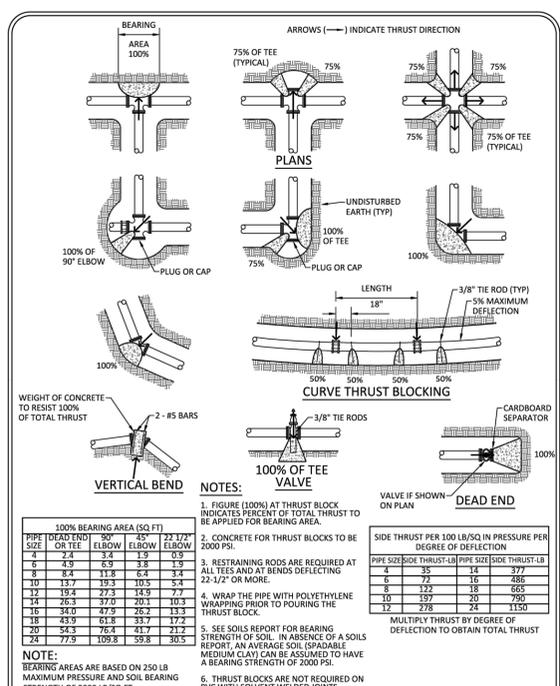
**PVC SERVICE LINE CLEANOUTS**  
 STANDARD DETAILS  
 NOV. 2025 SAN-05



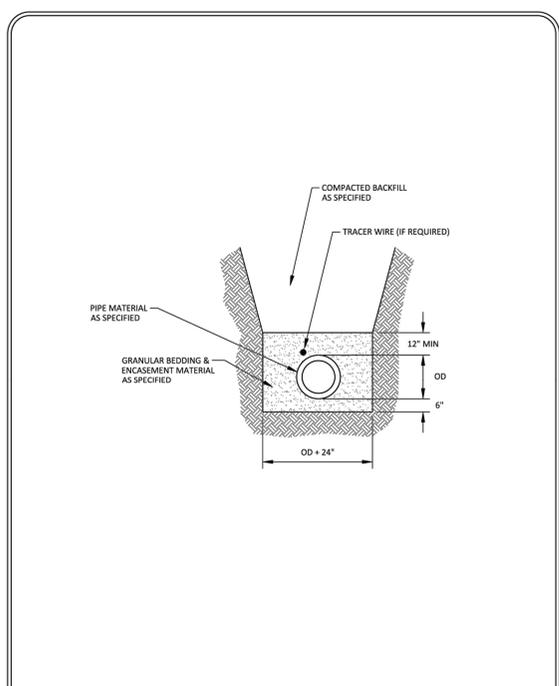
**PVC SERVICE LINE CLEANOUTS**  
 STANDARD DETAILS  
 NOV. 2025 SAN-05



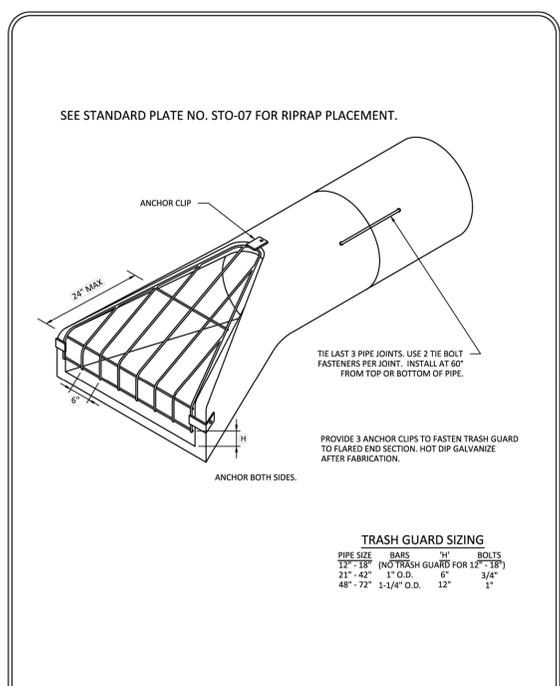
**WATER SERVICE CONNECTION**  
 STANDARD DETAILS  
 NOV. 2025 WAT-01



**THRUST BLOCKS**  
 STANDARD DETAILS  
 NOV. 2025 WAT-02



**BEDDING METHODS FOR PLASTIC PIPE**  
 STANDARD DETAILS  
 NOV. 2025 BED-01



**FLARED END SECTION AND TRASH GUARD**  
 STANDARD DETAILS  
 NOV. 2025 STO-06

SEE TABLE FOR MINIMUM DEPTH

ROUND PIPE DIA (IN)	L (FT)	CLASS II	CLASS III	CLASS IV
		d50-6"	d50-9"	d50-12"
DEPTH RIPPAP (CU YD)				
12	8	5	8	10
15	8	5	8	10
18	10	6	10	15
21	10	8	15	15
24	12	10	15	20
27	12	10	15	20
30	14	15	20	25
36	16	18	25	30
42	18	20	30	40
48	20	20	40	50

GEOTEXTILE FABRIC, PER SPEC 3733. THE FABRIC SHOULD COVER THE AREA OF THE RIPPAP AND EXTEND UNDER THE CULVERT APRON THREE FEET

**City of Shorewood** | **RIPPAP AT OUTLETS** | STANDARD DETAILS | REVISED: NOV. 2025 | **STO-07**

**GRATE NOTES:**  
 1. GRATE TO BE MADE IN TWO (2) PIECES  
 2. ALL METAL SHALL BE HOT-DIPPED GALVANIZED

**TWO-PIECE POND SKIMMER GRATE**  
 MIN 5/8" THICKNESS

HINGE ASSEMBLY - MINIMUM OF 2 HINGES REQUIRED  
 (6) 1/2" DIA. 1/2 UN. - HEX HEAD STAINLESS STEEL BOLTS WITH NUTS AND WASHERS  
 4" OC BOTH WAYS

**City of Shorewood** | **POND SKIMMER STRUCTURE** | STANDARD DETAILS | REVISED: NOV. 2025 | **STO-11**

POND	100 YR	NWL	ORIFICE Ø	INLET Ø	INLET EL.	OUTLET Ø	OUTLET EL.	OUTLET %

**DECIDUOUS TREE PLANTING**

**NOTE:** INCLUDE ADDITIONAL NOTES PROVIDED THAT PERTAIN TO TYPE OF PLANTING CALLED OUT IN THE PLAN.  
 ENGINEER TO DETERMINE IF MULCH AND WEED BARRIER ARE INCIDENTAL TO PLANTING OR PAID AS SEPARATE ITEMS.

**BAG & BALL PLANTING NOTE:**  
 1. REMOVE WRAPPING AND ALL TIES OR STRAPS. IF ROOT BALL IS WRAPPED IN BURLAP THE LOWER 1/2 PORTION OF THE FABRIC MAY BE LEFT AT THE BOTTOM OF THE HOLE. SYNTHETIC WRAP MUST BE REMOVED AND PROPERLY DISPOSED.  
 2. LOOSEN ROOTS TO ENSURE THEY ARE NOT GIRDLING THE ROOT BALL.  
 3. SALVAGE AND REUSE ALL SOIL THAT CAME WITH THE ROOT BALL. IF ROOT BALL IS EXTREMELY DRY WATER IT PRIOR TO PLACING IT IN THE HOLE.  
 5. IF TREE IS CONTAINER GROWN, SALVAGE ALL SOIL AND MIX WITH SUPPLEMENTED SOIL FOR BACK FILL.

**BARE ROOT PLANTING NOTE:**  
 IF BARE ROOT MATERIAL IS SPECIFIED THESE ADDITIONAL REQUIREMENTS MUST BE MET:  
 1. ROOTS MUST BE SOAKED OVERNIGHT THE NIGHT BEFORE PLANTING.  
 2. ROOTS MUST BE PROTECTED FROM DRYING OUT DURING THE INSTALLATION PROCESS.  
 3. ALL DAMAGED, DISEASED OR DESIGNATED ROOTS AND ROOT ENDS MUST BE CLEANLY PRUNED. TREE SHALL NOT HAVE GIRDLING ROOTS.

**City of Shorewood** | **DECIDUOUS TREE PLANTING** | STANDARD DETAILS | REVISED: NOV. 2025 | **MISC-01**

**CONIFEROUS TREE PLANTING**

**NOTE:** INCLUDE ADDITIONAL NOTES PROVIDED THAT PERTAIN TO TYPE OF PLANTING CALLED OUT IN THE PLAN.  
 ENGINEER TO DETERMINE IF MULCH AND WEED BARRIER ARE INCIDENTAL TO PLANTING OR PAID AS SEPARATE ITEMS.

**BAG & BALL PLANTING NOTE:**  
 1. REMOVE WRAPPING AND ALL TIES OR STRAPS. IF ROOT BALL IS WRAPPED IN BURLAP THE LOWER PORTION OF THE FABRIC MAY BE LEFT AT THE BOTTOM OF THE HOLE. SYNTHETIC WRAP MUST BE REMOVED AND PROPERLY DISPOSED.  
 2. LOOSEN ROOTS TO ENSURE THEY ARE NOT GIRDLING THE ROOT BALL.  
 3. SALVAGE AND REUSE ALL SOIL THAT CAME WITH THE ROOT BALL.  
 4. WATER THE ROOT BALL PRIOR TO PLACING IT IN THE HOLE.  
 5. IF TREE IS CONTAINER GROWN, SALVAGE ALL SOIL AND MIX WITH SUPPLEMENTED SOIL FOR BACK FILL.

**BARE ROOT PLANTING NOTE:**  
 IF BARE ROOT MATERIAL IS SPECIFIED THESE ADDITIONAL REQUIREMENTS MUST BE MET:  
 1. ROOTS MUST BE SOAKED OVERNIGHT THE NIGHT BEFORE PLANTING.  
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 3. ALL DAMAGED, DISEASED OR DESIGNATED ROOTS AND ROOT ENDS MUST BE CLEANLY PRUNED. TREE SHALL NOT HAVE GIRDLING ROOTS.

**City of Shorewood** | **CONIFEROUS TREE PLANTING** | STANDARD DETAILS | REVISED: NOV. 2025 | **MISC-02**

**TREE PRESERVATION FENCE**

ORANGE COLORED PLASTIC MESH

STUDDED STEEL "T" POST  
 6' MIN LENGTH  
 MAX 8' SPACING

18" MIN POST EMBEDMENT

(INSTALLED AT THE DRIP LINE)

**City of Shorewood** | **TREE PRESERVATION FENCE** | STANDARD DETAILS | REVISED: NOV. 2025 | **MISC-06**

2999 WEST C.R. 42, SUITE 100  
 BURNSVILLE, MN 55306  
 PHONE: 952-890-6044  
 bbusselman@mnhill.com  
 www.mnhill.com

**HILL INCORPORATED**

PROFESSIONAL ENGINEER

DATE: \_\_\_\_\_ REG. NO. \_\_\_\_\_

**SHOREWOOD RESIDENTIAL**  
 SHOREWOOD, MN

**CONSTRUCTION DETAILS**

FOR  
**GRAVITY INVESTMENT LLC**

DRAWN BY  
**VUN**

DATE  
**10/20/2025**

REVISIONS

2026-01-16	CITY & MCWD COMM.
2026-01-19	Basin Outlet Revs
2026-01-20	ROW VACATION REMOVAL
2026-01-22	LOT LINE SHIFT

CAD FILE  
**24303D**

PROJECT NO.  
**24303**

**C701**

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