Exhibit A – Arbor Lake Park - Plans and Specifications - Phase 2

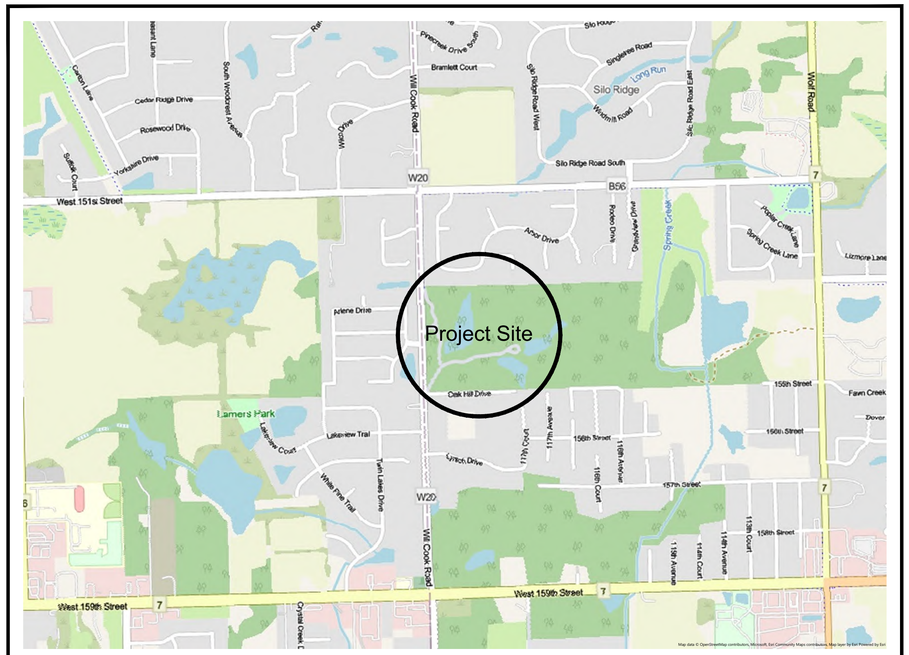
Arbor Lake Park
Orland Park, Illinois

Client:

Village of Orland Park
Mike Mazza
14700 Ravinia Avenue
Orland Park, IL 60462
Office (708) 403 6108

Landscape Architect:

Hey and Associates, Inc.
8755 West Higgins Road, Suite 835
Chicago, IL 60631
Office (773) 693-9200
Fax (847) 740-2888



Scale	Project Area	N
1" = 1000'		

Sheet Index: (Page # / Sheet # / Title)

1. C1.0 Cover Sheet
2. C2.0 Key Plan and Notes
3. C3.0 Existing Conditions Plan
4. C4.0 Demolition and Removals Plan
5. C5.0 Layout Plan
6. C5.1 Layout Plan Enlargements
7. C6.0 Planting Plan
8. C6.1 Stewardship Plan
9. C7.0 Notes, Schedules and Details

Call J.U.L.I.E. 811 or (800) 892-0123 at least 48 hours before start of construction with the following:

County:	Cook
City or Township:	Orland Park
Tier, Range & Section:	T36N, R12E, Sec. 18
Address (if applicable):	15400 S Will Cook Road

The information shown on this drawing concerning type and location of underground utilities is not guaranteed to be accurate or all inclusive. The Contractor is responsible for making their own determinations as to the type and location of underground utilities as may be necessary to avoid damage thereto.

PROFESSIONAL SEAL

REGISTERED LANDSCAPE ARCHITECT
ETHAN APPELGREN
157-012050
STATE OF ILLINOIS

Signature:
Date: 10/27/2026
License Expires: 08/31/2027

This document shall not be considered a valid technical submittal unless it bears an original seal and signature.

Base Survey Information provided by:

Cook County GIS and
Hey and Associates, Inc.

No.	Revision/Issue	Date
1	Reduced Scope	10/06/26

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Arbor Lake Park Site Improvements

Orland Park, Illinois

Cover

PROJECT NO:	26-0009	SHEET NO:
DESIGNED BY	ERA	C1.0
DRAWN BY	ERA	
CHECKED BY	TRP	
APPROVED BY	TRP	
ISSUE DATE	10/16/2026	

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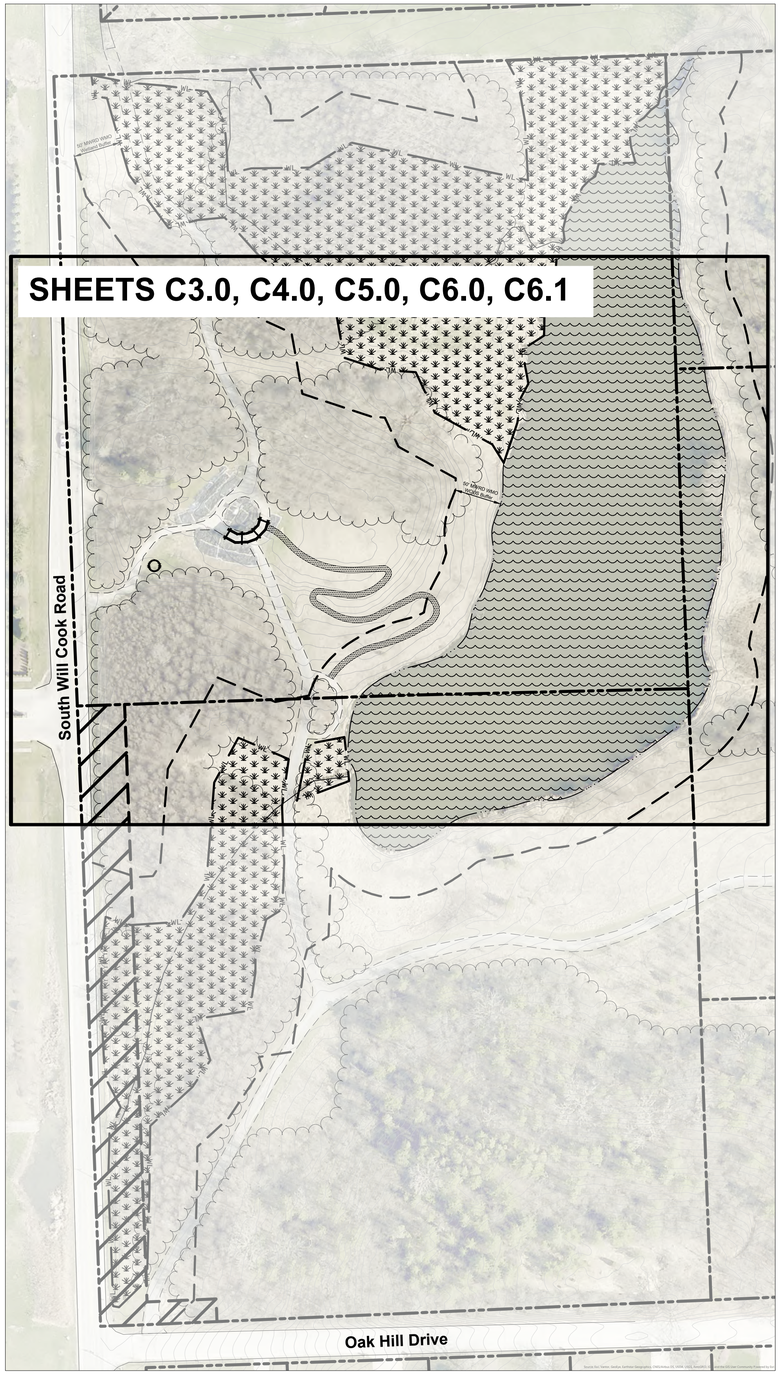
SHEETS C3.0, C4.0, C5.0, C6.0, C6.1
South Will Cook Road
Oak Hill Drive
50' MWRD WMO Wetland / WOUS Buffer
50' MWRD WMO Wetland / WOUS Buffer
WL
WL
WL



0 30 60

Scale: 1" = 30'

N

LEGEND

- Property Line
- 1' Contours (Existing) per Cook County GIS
- Edge of Water
- Stream Centerline
- WL — Wetland Boundary per Hey Survey
- 50' MWRD WMO Wetland / WOUS Buffer
- Tree/Vegetation Line
- Existing Mulch / Woodchip Path
- Waters of the United States
- Existing Delineated Wetlands

No.	Revision/Issue	Date
1	Reduced Scope	10/06/26

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Arbor Lake Park Site Improvements

Orland Park, Illinois

Existing Conditions Plan

PROJECT NO:	26-0009	SHEET NO:
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0 30 60

Scale: 1" = 30'

N

LEGEND

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- 50' MWRD WMO Wetland / WOUS Buffer
- Tree/Vegetation Line
- Existing Mulch / Woodchip Path
- Waters of the United States
- Existing Delineated Wetlands
- Moderate Selective Clearing
- Heavy Selective Clearing
- Previously Cleared Areas

No.	Revision/Issue	Date
1	Reduced Scope	10/06/26

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Arbor Lake Park Site Improvements

Orland Park, Illinois

Demolition and Removals Plan

PROJECT NO:	26-0009	SHEET NO:
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Scale: 1" = 30'

N

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- Existing Mulch / Woodchip Path
- Waters of the United States
- Existing Delineated Wetlands
- Proposed Mulch / Woodchip Path
- Proposed Concrete Paving
- Proposed Gravel
- Proposed Paver Plaza
- Soil Disposal Area

NOTES:

Paver Plazas and Paving Stone Loop are to be constructed in annual phases. Paver Plaza 'A' is to be constructed in **Year 1**, Paver Plaza 'B' in **Year 2**, and Paving Stone Loop in **Year 3**.

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1	Reduced Scope	10/06/26

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Arbor Lake Park Site Improvements

Orland Park, Illinois

Layout Plan

PROJECT NO:	26-0009	SHEET NO:
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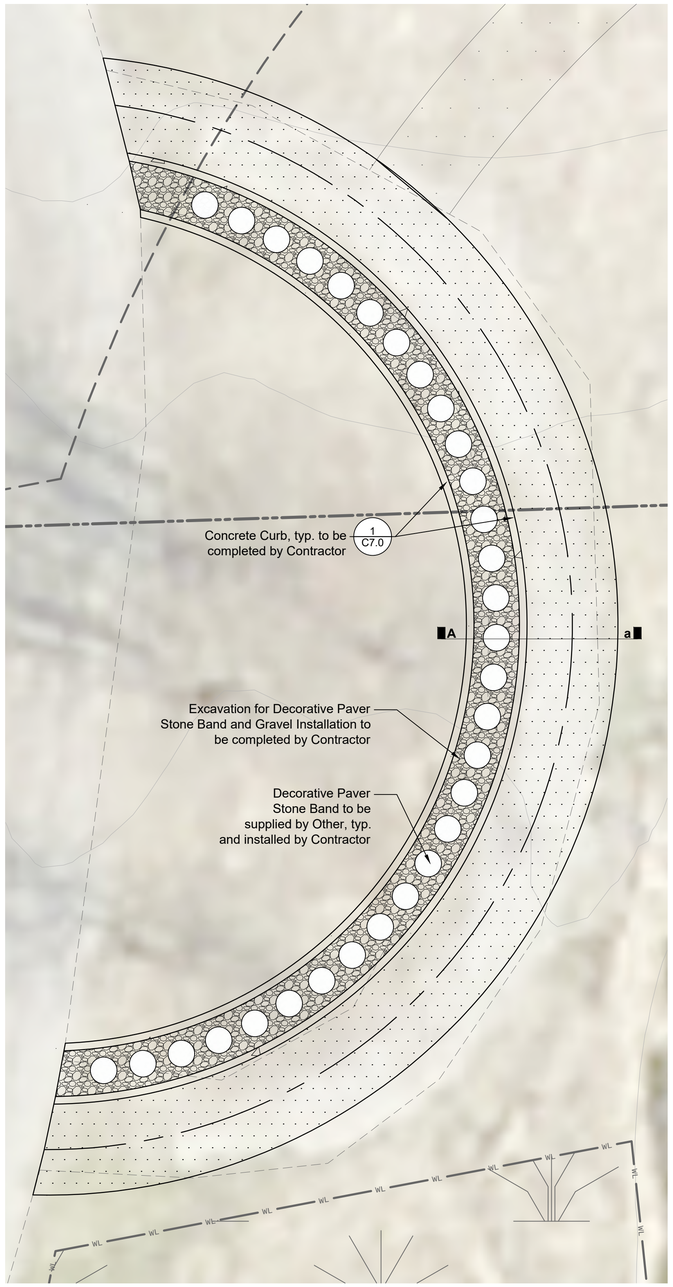
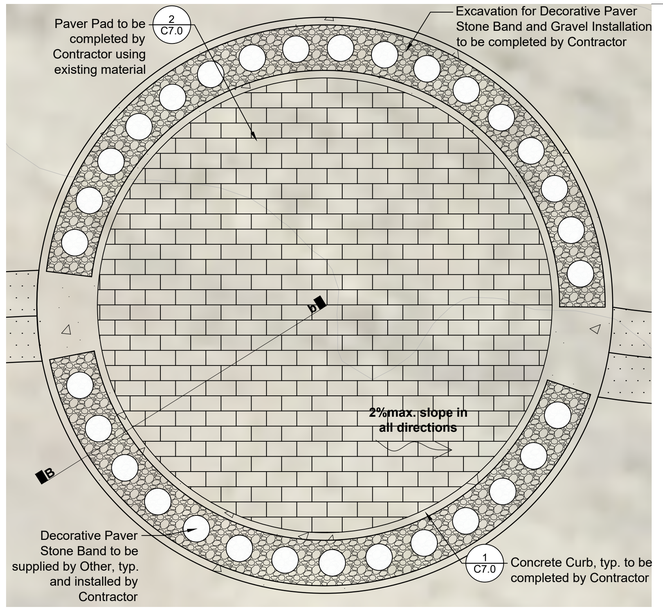
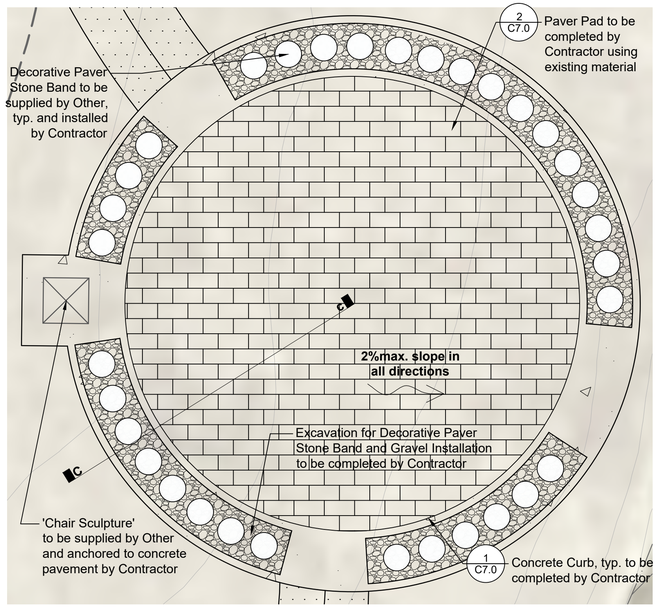


1 Paving Stone Loop
1" = 5'



2 Paver Plaza 'A'
1" = 5'



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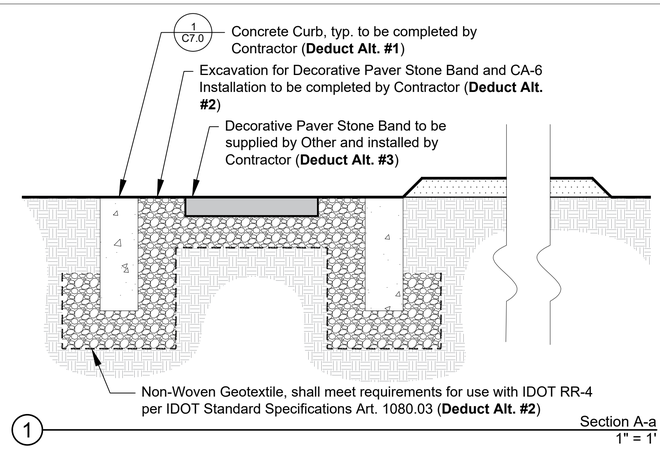
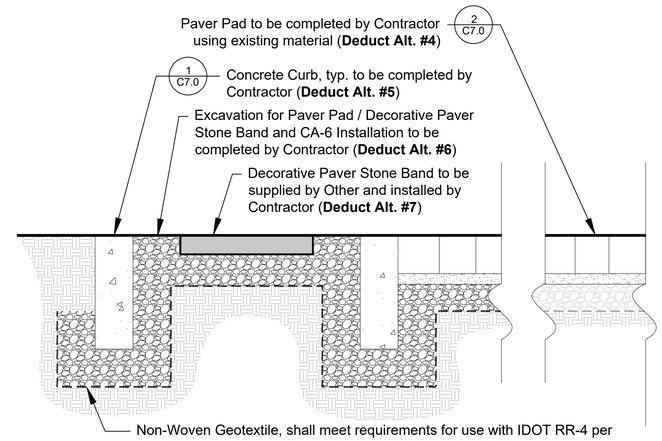
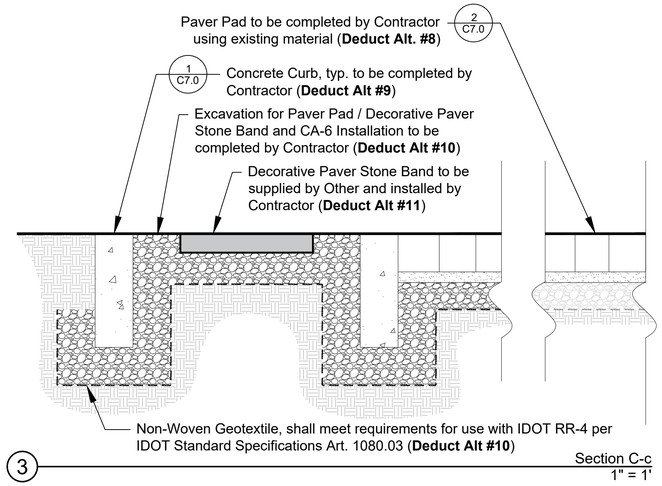


1 Section A-a
1" = 1'



2 Section B-b
1" = 1'



3 Section C-c
1" = 1'

1 inch

N

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- Proposed Mulch / Woodchip Path
- Proposed Concrete Pavement
- Proposed Gravel
- Proposed Paver Plaza

No.	Revision/Issue	Date
1	Reduced Scope	10/06/26

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Arbor Lake Park Site Improvements

Orland Park, Illinois

Layout Enlargements

PROJECT NO:	26-0009	SHEET NO:
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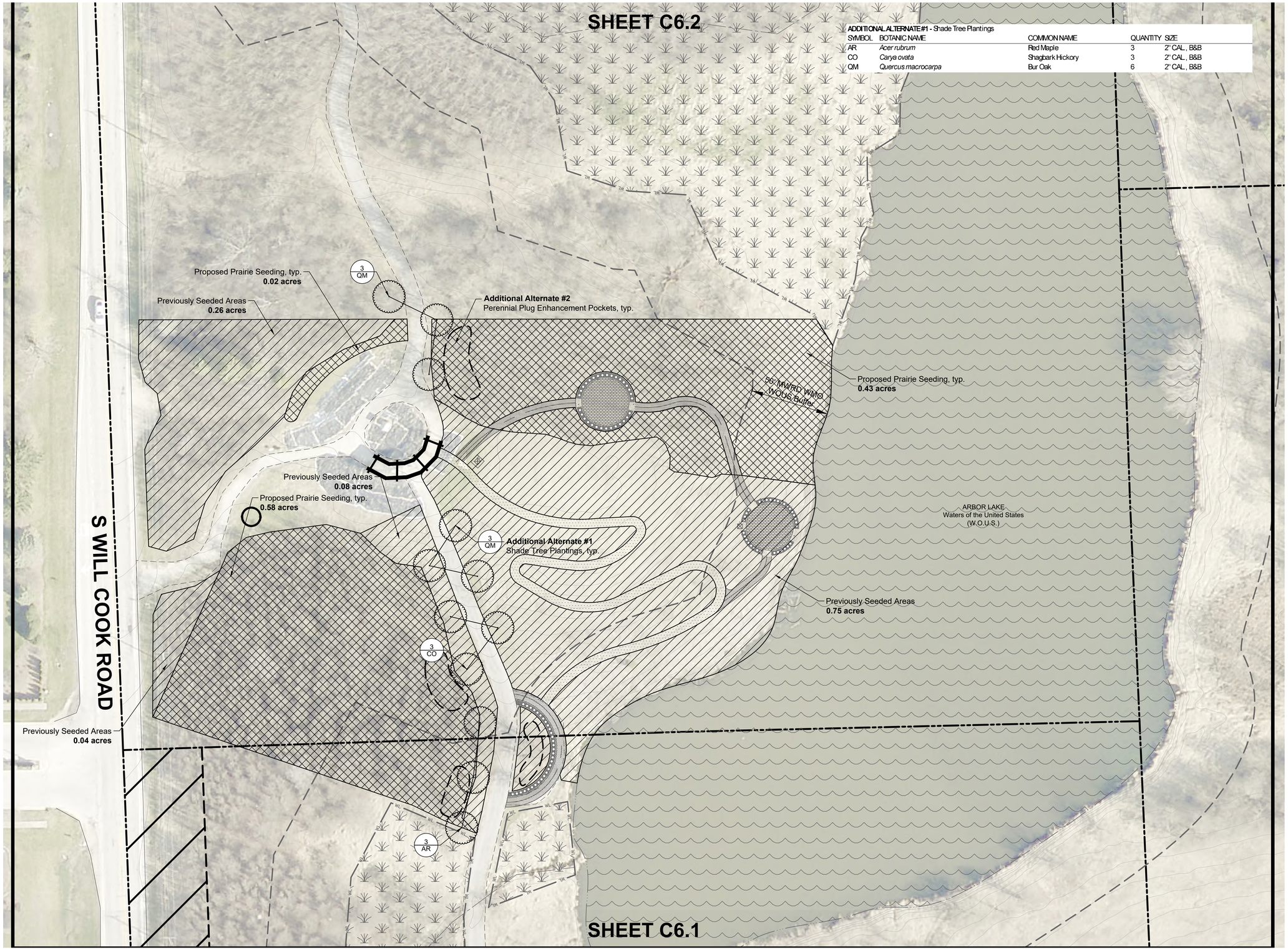

ADDITIONAL ALTERNATE #1 - Shade Tree Plantings

SYMBOL	BOTANIC NAME	COMMON NAME	QUANTITY	SIZE
AR	*Acer rubrum*	Red Maple	3	2" CAL., B&B
CO	*Carya ovata*	Shagbark Hickory	3	2" CAL., B&B
QM	*Quercus macrocarpa*	Bur Oak	6	2" CAL., B&B

0 30 60

Scale: 1" = 30'

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- Waters of the United States
- Existing Delineated Wetlands
- Proposed Mulch / Woodchip Path
- Proposed Concrete Paving / Structure
- Proposed Gravel
- Proposed Prairie Seeding Mix, Cover Crop and Hydromulch
- Previously Seeded Areas
- **Additional Alternate #1** (12) Shade Tree Plantings
- **Additional Alternate #2** Perennial Plug Enhancement Pockets (10 Units)

No.	Revision/Issue	Date
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Arbor Lake Park Site Improvements

Orland Park, Illinois

Planting Plan

PROJECT NO:	26-0009	SHEET NO:
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- Proposed Concrete Paving / Structure
- Proposed Gravel
- Stewardship Areas

No.	Revision/Issue	Date
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Arbor Lake Park Site Improvements

Orland Park, Illinois

Stewardship Plan

PROJECT NO:	26-0009	SHEET NO:
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PRAIRIE SEEDING MIX

Botanic Name	Common Name	PLS Rate/Acre
Asclepias syriaca	Common Milkweed	8.0 oz
Elymus canadensis	Canada Wild Rye	3.0 lbs
Heliopsis helianthoides	False Sunflower	8.0 oz
Rudbeckia hirta	Black-eyed Susan	12.0 oz
Schizachyrium scoparium	Little Bluestem	2.0 lbs
Oligoneuron rigidum	Stiff Goldenrod	6.0 oz
Sorghastrum nutans	Indian Grass	2.0 lbs

COVER CROP

Spring

Botanic Name	Common Name	PLS Rate/Acre
Elymus virginicus	Virginia Wild Rye	15.0 lbs
Elymus canadensis	Canada Wild Rye	15.0 lbs

Fall/Winter

Botanic Name	Common Name	PLS Rate/Acre
ReGreen (sterile wheat x wheatgrass hybrid)		30.0 lbs

PERENNIAL PLUG ENHANCEMENT POCKETS

Botanic Name	Common Name	Size	Quantity
Asclepias syriaca	Common Milkweed	Plug	200
Rudbeckia hirta	Black-eyed Susan	Plug	200
Oligoneuron rigidum	Stiff Goldenrod	Plug	200
Sorghastrum nutans	Indian Grass	Plug	200
Schizachyrium scoparium	Little Bluestem	Plug	200

Note: Perennials to be distributed with input from Engineer and / or Owner.

NOTES

1. Selective Herbaceous Weed Control

1.1. Provide season-long Selective Herbaceous Weed Control.
1.2. Post-emergent herbicide shall be selected by the Contractor based upon their experience and site conditions. Additives such as surfactants, water, and other materials shall be per the manufacturer's recommendations and shall be included. Contractor must submit a sample label and MSDS for all herbicides at least one week before their use.
1.3. Selective herbaceous weed control shall be completed where undesirable, invasive, non-native weeds (e.g., common reed, reed canary grass, teasel, purple loosestrife, etc.) exist or as directed by the Engineer. Weedy native species (e.g., ragweed, Canada goldenrod, etc.) may also be targeted with approval of the Engineer. Follow herbicide label directions at all times. Herbicide must be applied by an Illinois Licensed Pesticide Operator or Applicator. Provide copies of Licenses to Engineer for all who will be applying herbicides. Use care not to damage adjacent vegetation to remain. The Contractor shall replace desirable vegetation to remain affected by their selective herbaceous weed control efforts at their own cost. Conduct selective mowing for routine maintenance of landscape.

2. Selective Dead Tree and Debris Removal

2.1. Roots and stumps of dead trees do not need to be removed. Stumps shall be cut flush with surrounding grade.
2.2. Logs and branches may be chipped and used on site for trail management; used to delineate trails; or as otherwise approved by the Engineer.

3. Selective Clearing of Woody Species

3.1. Provide season-long Selective Woody Weed Control.
3.2. The Contractor's staff completing the work must be capable of identifying plants to be removed and remain to the species level at the time the work occurs. All persons applying herbicide must possess an Illinois Pesticide Applicator's or Operator's license with certifications in the appropriate categories. Contractor must submit a sample label and MSDS for all herbicides at least one week before their use. Provide copies of licenses to Engineer for all who will be applying herbicides.
3.3. All invasive woody plants shall be cut. Stumps shall be cut flat to within one inch (1") of the surrounding ground surface. All stumps must be treated with an appropriate herbicide within one (1) hour of cutting. Any stump that is not treated within this timeframe must be recut and treated as specified.
3.4. Invasive woody plants shall include all species not native to northeastern Illinois, as defined in Flora of the Chicago Region by Wilhelm and Rericha (2017). Some aggressive, weedy native species shall be included. Invasive woody plants include, but not are limited to, those listed below.

Common Name	Botanic Name	Size class to be removed
Buckthorn	*Rhamnus* spp.	All
Honeysuckle	*Lonicera* spp.	All
Mulberry	*Morus alba*	All
Sandbar Willow	*Salix interior*	All
Boxelder	*Acer negundo*	*Less than 12" DBH*
Cottonwood	*Populus deltoides*	Less than 12" DBH
Black Cherry	*Prunus serotina*	Less than 6" DBH
Black Locust	*Robinia pseudoacacia*	All
American Elm	*Ulmus americana*	Less than 12" DBH
Multiflora Rose	*Rosa multiflora*	All
Callery Pear	*Pyrus calleryana*	All
Autumn Olive	*Eleagnus umbellata*	All

3.5. Cut material may be disposed of in different ways. Cut material may be chipped and used for trail management or removed from the site and properly disposed of. Logs 12" diameter or greater may be used to line the trail edges or removed from the site and properly disposed of.

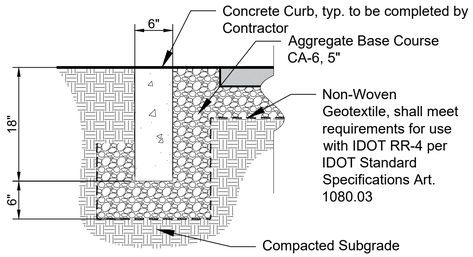
4. Seeding

4.1. Fertilizer and agricultural ground limestone are not required for seeding.
4.2. Seed Bed Preparation as follows: All areas to be seeded that are crusted, glazed, or compacted shall be lightly worked to create a seedbed suitable for germination and growth of vegetation. Existing weeds, debris, and other foreign matter shall be removed and properly disposed of by the Contractor as necessary for good soil to seed contact. The Contractor shall submit their seeding plan to the Engineer for review and approval prior to commencing seed installation.
4.3. Seed shall be hand broadcast over the prepared soil surface or other method approved by the Engineer.
4.4. All native species must have a genetic provenance within 200 miles of Orland Park, Illinois. In the event one or more species or quantities is not available, the Engineer may approve substitutions. Submit the seed source, purity and rate prior to commencement of seeding.
4.5. Performance Criteria. All seeded areas shall achieve not less than 70% vegetative cover within 30 days of seeding or 30 days into the growing season for dormant seeding. Any areas not meeting this requirement shall be re-seeded / overseeded at no additional cost to the Owner. After this has been met, Selective Herbaceous Weed Control and Selective Clearing of Woody Species performance criteria shall apply.
4.6. Hydromulch shall be applied at a dry weight of 2,500 pounds per acre, and shall be composed of 70 percent wood fiber and 30 percent cellulose (paper) fiber premixed with an anionic polyacrylamide tackifier per manufacturer's specifications.

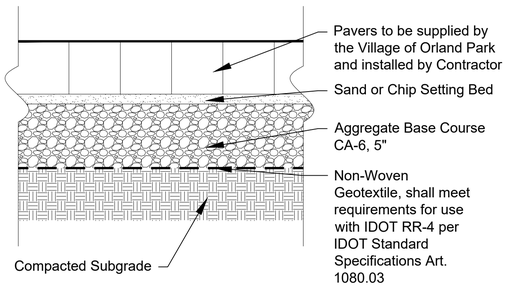
Refer to **Sheet C2.0** for Earthwork and Grading, and SESC notes.

Summary of Quantities			
Item	*Description*	*Quantity*	*Units*
1	Initial Site Selective Clearing - Heavy	0.91	Acres
2	Initial Site Selective Clearing - Moderate	0.12	Acres
3	Woodchip / Mulch Distribution -Paths	1	Lump Sum
4	Seeding - Cover Crop	1.03	Acres
5	Seeding - Prairie Seeding Mix	1.03	Acres
6	Seeding - Hydromulch	1.03	Acres
7	Paver Pad 'A' (Complete)	1	Lump Sum
8	Paver Pad 'B) (Complete)	1	Lump Sum
9	Paving Stone Loop (Complete)	1	Lump Sum
10	Stewardship (2027)	2.16	Acres
AA1	**Additional Alternate #1** - Shade Tree Plantings	12	Each
AA2	**Additional Alternate #2** - Perennial Plug Enhancement Pockets	10	Units
AA3	**Additional Alternate #3** - Stewardship (2028)	2.16	Acres
AA4	**Additional Alternate #4** - Stewardship (2029)	2.16	Acres
DA1	**Deduct Alternate #1** - Concrete Curb Installation	1	Lump Sum
DA2	**Deduct Alternate #2** - Paver Stone Band Excavation and CA-6	1	Lump Sum
DA3	**Deduct Alternate #3** - Paver Stone Band Installation	1	Lump Sum
DA4	**Deduct Alternate #4** - Paver Pad Installation	1	Lump Sum
DA5	**Deduct Alternate #5** - Concrete Curb Installation	1	Lump Sum
DA6	**Deduct Alternate #6** - Paver Pad / Paver Stone Band Excavation and CA-6	1	Lump Sum
DA7	**Deduct Alternate #7** - Paver Stone Band Installation	1	Lump Sum
DA8	**Deduct Alternate #8** - Paver Pad Installation	1	Lump Sum
DA9	**Deduct Alternate #9** - Concrete Curb Installation	1	Lump Sum
DA10	**Deduct Alternate #10** - Paver Pad / Paver Stone Band Excavation and CA-6	1	Lump Sum
DA11	**Deduct Alternate #11** - Paver Stone Band Installation	1	Lump Sum

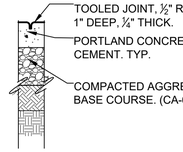
Note: Owner reserves the right to adjust quantities based upon available budget.



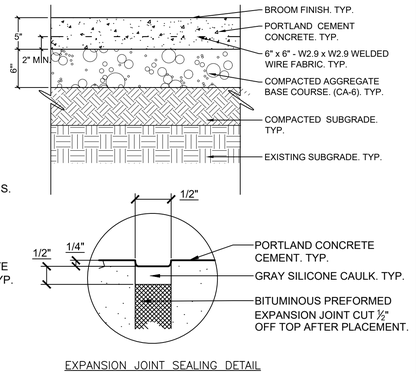
1 Concrete Curb Detail (Not to Scale)



2 Paver Pad Detail (Not to Scale)

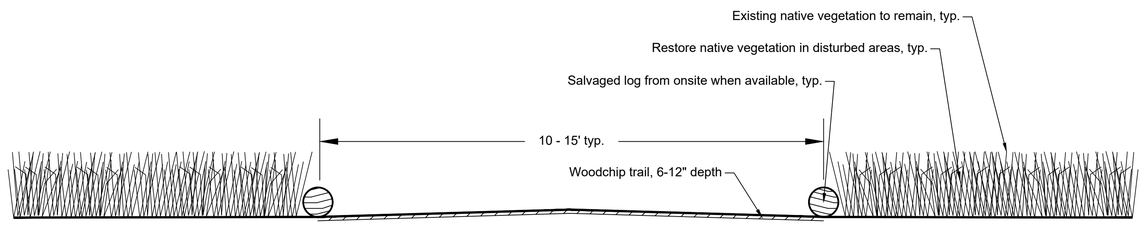


TOOLED CONTRACTION JOINT



EXPANSION JOINT SEALING DETAIL

3 Concrete Pavement Detail (Not to Scale)



4 Woodchip / Mulch Trail Detail
Not to Scale

TREE PLANTING NOTES

1. Planting Time

1.1. With the exception of container grown items, plants must be dormant when delivered to the storage site or project.
1.2. Bare root plant material shall be planted only when the air temperatures exceed 35 degrees Fahrenheit.
1.2.1. Maple (*Acer sp.*) and Oak (*Quercus sp.*) species shall be planted only during the spring planting season.

2. Digging of Plants

2.1. Plants shall not be dug until the Contractor is ready to transport them from their original locations to the site of the work or approved storage. The maximum time between digging and being properly loaded for delivery to the site of the work or being placed in approved storage, shall be four days for balled and burlapped plants and one day for bare root plants. They shall be dug with care, avoiding injury to the plants or loss and damage to the roots. Particular attention shall be given to fibrous roots. Immediately after digging, roots shall be protected against drying out and freezing. Bare root plants shall be dug only when air temperatures exceed 35 degrees Fahrenheit.

3. Layout of Planting

3.1. The area to be planted shall be finished to line and grade before planting operations are begun. The Contractor shall furnish all marking flags for locating plants, and shall mark the common name of plants. The engineer will place the marking flags and outline each area for mass or solid planting.

4. Excavation of Plant Holes

4.1. Plant holes shall be dug to the required depth and width, and shall be saucer shaped. On slopes, the depth of excavation will be measured at the center of the hole. The excess material excavated from the holes shall be spread in the immediate area as directed by the Engineer. The excavated material shall not be stockpiled on turf or in ditches. The sides of the holes shall not be glazed or smooth.
4.1.1. Excavation for Deciduous Trees and Evergreen Trees. Holes for trees shall be dug at the location indicated by the marker flags. The diameter of the hole shall be equal to three times the diameter of the root ball and depth of the hole shall be equal to the depth of the root ball minus 2 in.

5. Warranty

5.1. All plant material installed on site shall endure a period of establishment of one year. If installed plant material dies within this period of establishment, it must be replaced at the expense of the Contractor responsible for installation.

1 inch

No.	Revision/Issue	Date
1	Reduced Scope	10/06/26

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Arbor Lake Park Site Improvements

Orland Park, Illinois

Notes, Schedules and Details

PROJECT NO:	26-0009	SHEET NO:
DESIGNED BY	ERA	C7.0
DRAWN BY	ERA	
CHECKED BY	TRP	
APPROVED BY	TRP	
ISSUE DATE	10/16/2026	

FOR BID

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