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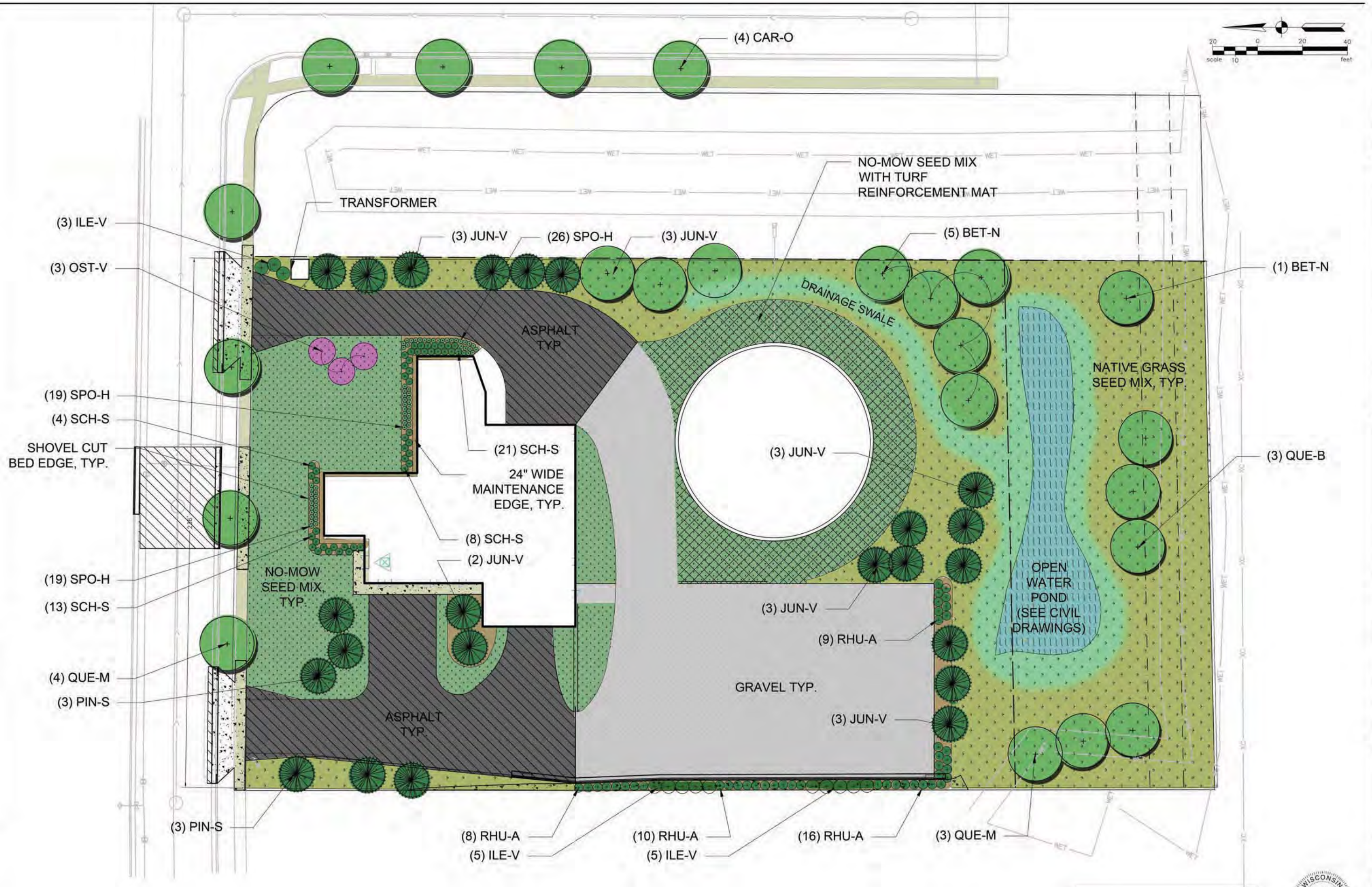
2015 WELL 31 WATER TREATMENT PLANT  
 MADISON, WISCONSIN

MARK	DATE	DESCRIPTION

SEH FILE NO. MADWI 129083  
 PROJECT NO. 04-15-15  
 ISSUE DATE JON RUBLE  
 DESIGNED BY BETH MILLER  
 DRAWN BY  
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SHEET TITLE

SHEET  
 L1

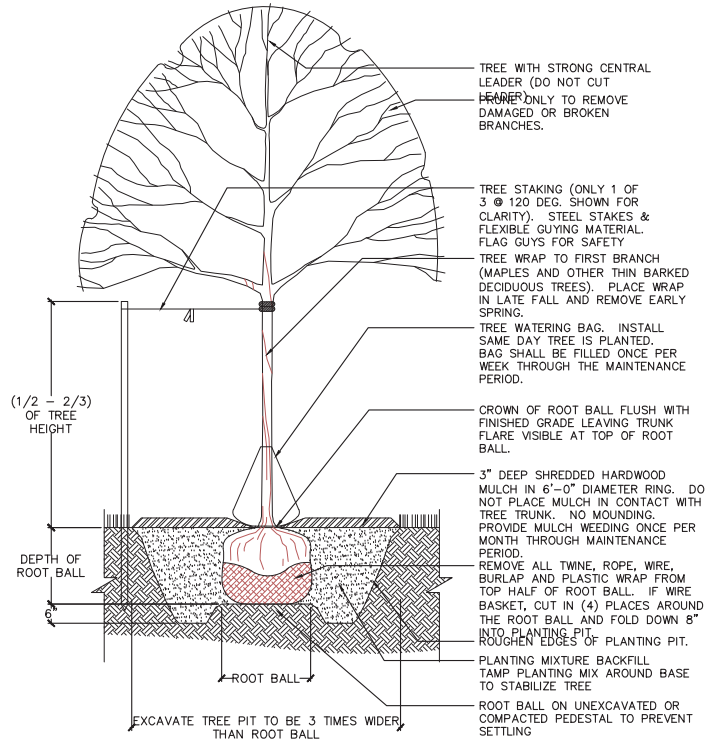


FOR REVIEW ONLY  
 NOT FOR CONSTRUCTION

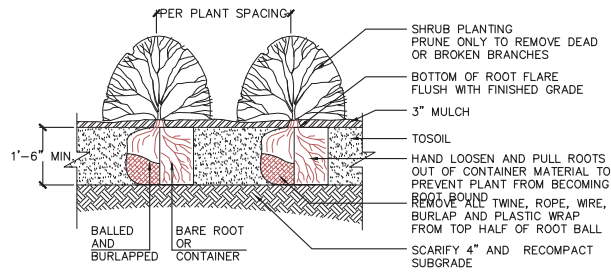


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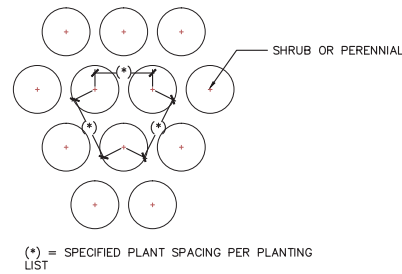
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1 TREE PLANTING DETAIL  
NOT TO SCALE



2 SHRUB PLANTING DETAIL  
NOT TO SCALE



3 PLANT SPACING DETAIL  
NOT TO SCALE

Lineal feet of frontage: 236  
Total Developed Area (sq. ft.): 92,484

ORDINANCE 28.142 LANDSCAPE & SCREENING REQUIREMENTS		
Plant Type	Points	Minimum Size at Installation
Overstory Deciduous Tree	35	2.5 inch caliper
Ornamental Tree	15	1.5 inch caliper
Evergreen Tree	15	3 feet tall
Shrub, deciduous	2	18" or 3 gallon container size
Shrub, evergreen	3	18" or 3 gallon container size
Ornamental Grasses	2	18" or 3 gallon container size
Ornamental/decorative fencing or wall	4 per 10 ln. ft.	n/a

Landscape Calculations & Distribution	Plant Req.	Req. Points
Required Landscape Units:	154	771
Development Frontage Landscape		
Overstory Deciduous Trees:	8	275
Ornamental Trees:	0	0 (2 may be used in the place of 1 Overstory Deciduous Tree)
Evergreen Trees:	0	0 (2 may be used in the place of 1 Overstory Deciduous Tree)
Shrub, deciduous	39	0
Shrub, evergreen	0	0
Ornamental Grasses	0	0
Frontage Fencing (in lineal feet)	236	0

TOTAL POINTS: 275

Development Landscape	Plants	Points
Overstory Deciduous Trees:	20	700
Ornamental Trees:	3	45
Evergreen Trees:	23	345
Shrub, deciduous	56	112
Shrub, evergreen	0	0
Ornamental Grasses	110	220
TOTAL POINTS:		1422

#### 4 ORDINANCE REQUIREMENTS

##### Madison Wellhead 31

###### Plant List

Quantity	Code	Botanical Name	Common Name	Size	Spacing
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###### SHADE TREES

6	BET-N	<i>Betula nigra</i>	River Birch	2.5" cal.	24'
4	CAR-O	<i>Carya ovata</i>	Shagbark Hickory	2.5" cal.	24'
3	QUE-B	<i>Quercus bicolor</i>	Swamp White Oak	2.5" cal.	24'
7	QUE-M	<i>Quercus macrocarpa</i>	Bur Oak	2.5" cal.	24'
20					

###### ORNAMENTAL TREES

3	OST-V	<i>Ostrya virginiana</i>	Ironwood (Eastern Hop Hornbeam)	8' B&B	12'
3					

###### EVERGREEN TREES

17	JUN-V	<i>Juniperus virginiana</i>	Eastern Red Cedar	8' B&B	
6	PLN-S	<i>Pinus strobus</i>	Eastern White Pine	8' B&B	
23					

###### SHRUBS

13	ILE-V	<i>Ilex verticillata</i>	Winterberry	#5	5'
43	RHU-A	<i>Rhus aromatica 'Gro-Low'</i>	Gro-Low Sumac	#5	3'
56					

###### ORNAMENTAL GRASSES

46	SCH-S	<i>Schizachyrium scoparium 'Carousel'</i>	Carousel Little Bluestem	#3	30"
64	SPO-H	<i>Sporobolus heterolepis</i>	Prairie Dropseed	#3	24"
110					

###### GRASSES

-	-	-	No-Mow Seed Mix		
-	-	-	Native Grass Seed Mix		

#### 5 PLANT SCHEDULE

#### PLANTING NOTES:

- EXISTING SHRUBS FOUND ON SITE SHALL BE REMOVED. QUESTIONS REGARDING EXISTING PLANT MATERIAL SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT PRIOR TO REMOVAL.
- THE LAYOUT OF ALL PLANTING BEDS AND INDIVIDUAL TREES SHALL BE STAKED BY THE CONTRACTOR IN ADVANCE OF INSTALLATION. FLAGGING, STAKES, OR PAINT MAY BE USED TO DELINEATE LOCATIONS AS SCALED FROM THE PLANS. THE LANDSCAPE ARCHITECT WILL REVIEW THESE LOCATIONS WITH THE CONTRACTOR AND MAKE MINOR ADJUSTMENTS AS NECESSARY. BED LAYOUT SHALL ALSO INCLUDE PERENNIAL GROUPINGS BY SPECIES.
- THE CONTRACTOR IS RESPONSIBLE FOR INDEPENDENTLY DETERMINING THE PLANT MATERIAL QUANTITIES REQUIRED BY THE LANDSCAPE PLANS. REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT.
- SALVAGE TOPSOIL FROM THE EARTHWORK AREAS AS APPROPRIATE AND/OR AS DIRECTED BY LANDSCAPE ARCHITECT AND STOCKPILE FOR REUSE IN LOCATION APPROVED BY OWNER.
- CONTRACTOR SHALL ENSURE THAT SOIL CONDITIONS AND COMPACTION ARE ADEQUATE TO ALLOW FOR PROPER DRAINAGE AROUND THE CONSTRUCTION SITE. UNDESIRABLE CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT PRIOR TO BEGINNING OF WORK. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE PROPER SURFACE AND SUBSURFACE DRAINAGE IN ALL AREAS.
- ALL SEED & SOD AREAS SHALL RECEIVE A MINIMUM OF 6" DEPTH OF TOPSOIL.
- ALL PLANTING BEDS SHALL RECEIVE 18" DEPTH OF PREPARED SOIL.
- PAINT OR STAKE LIMITS OF SEEDING FOR REVIEW BY LANDSCAPE ARCHITECT & OWNER PRIOR TO SEEDING.
- NEW SEEDED AREAS TO BE TREATED WITH HERBICIDE TO KILL ALL EXISTING GROUND COVER. THERE SHALL BE A MINIMUM OF TWO (2) APPLICATIONS SEPARATED BY 10 DAYS. IF ALL EXISTING GROUND COVER VEGETATION IS NOT KILLED WITHIN 10 DAYS OF 2ND APPLICATION, A 3RD APPLICATION IS REQUIRED.
- ALL DISTURBED AREAS OUTSIDE THE LIMITS OF WORK SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION AT NO ADDITIONAL COST TO THE OWNER.
- ALL PLANTING BEDS SHALL HAVE A SHOVEL CUT EDGE, UNLESS OTHERWISE SPECIFIED.
- ALL PLANTING BEDS AND PLANTED TREES SHALL BE MULCHED WITH 3" DEEP SHREDDED HARDWOOD MULCH PER PLANTING DETAILS. MULCH SHALL BE CONSIDERED INCIDENTAL TO PLANT MATERIALS.
- NO PLANT MATERIAL SUBSTITUTIONS WILL BE ACCEPTED UNLESS APPROVAL BY THE LANDSCAPE ARCHITECT. ALL PLANT MATERIAL AND SEED SHALL BE PROVIDED FROM A NURSERY (WITHIN 200 MILES) WITH A SIMILAR PLANT HARDINESS ZONE AS PROJECT LOCATION.
- CONTRACTOR IS RESPONSIBLE FOR ON-GOING MAINTENANCE OF ALL NEWLY INSTALLED MATERIALS UNTIL TIME OF OWNER ACCEPTANCE. ANY ACTS OF VANDALISM OR DAMAGE WHICH MAY OCCUR PRIOR TO OWNER ACCEPTANCE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- PROVIDE 1 YEAR WARRANTY ON ALL PLANT MATERIAL.
- NO-MOW LAWN SHALL INCLUDE A BLEND OF BUNCH-FORMING AND CREEPING FESCUES DERIVED FROM SPECIES THAT ARE NATIVE TO WISCONSIN. SPECIES MIX AND SEEDING RATES SHALL BE "NO-MOW LAWN MIX" AS PREPARED BY PRAIRIE NURSERY, OR APPROVED EQUIVALENT.
- NO-MOW LAWN SEED SHALL BE ESTABLISHED BY THE CONTRACTOR TO A DENSE, GREEN CONSISTENT LAWN VOID OF ANY BARE OR PATCHY AREAS LARGER THAN 3'X3'.
- SEED PRIOR TO OCT. 15. IF SEEDED AFTER OCT. 15, MAINTAIN AND ESTABLISH LAWN UNTIL SPRING REVIEW.

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SHEET TITLE  
LANDSCAPE  
DETAILS

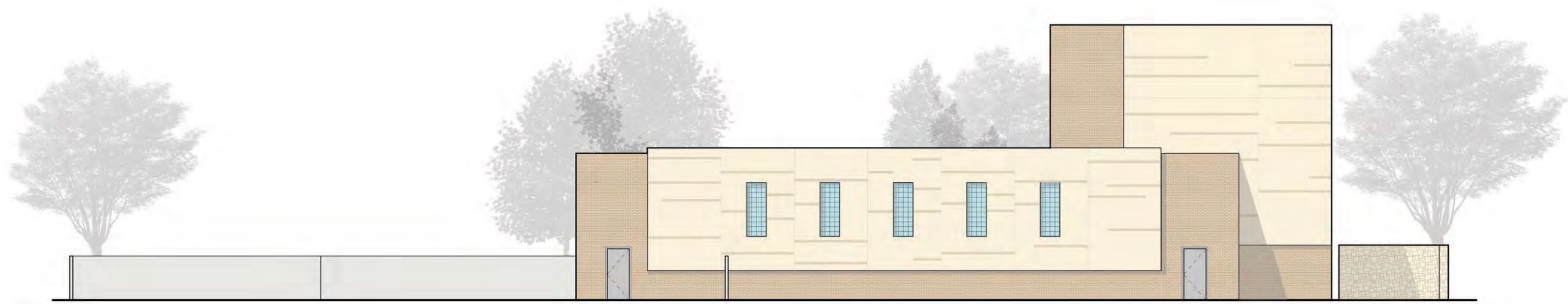
SHEET

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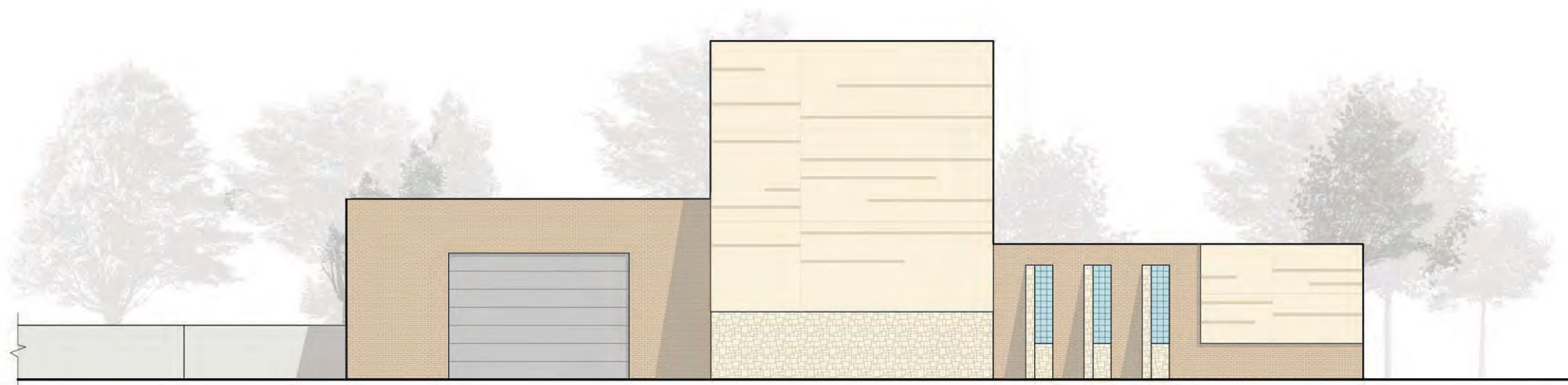




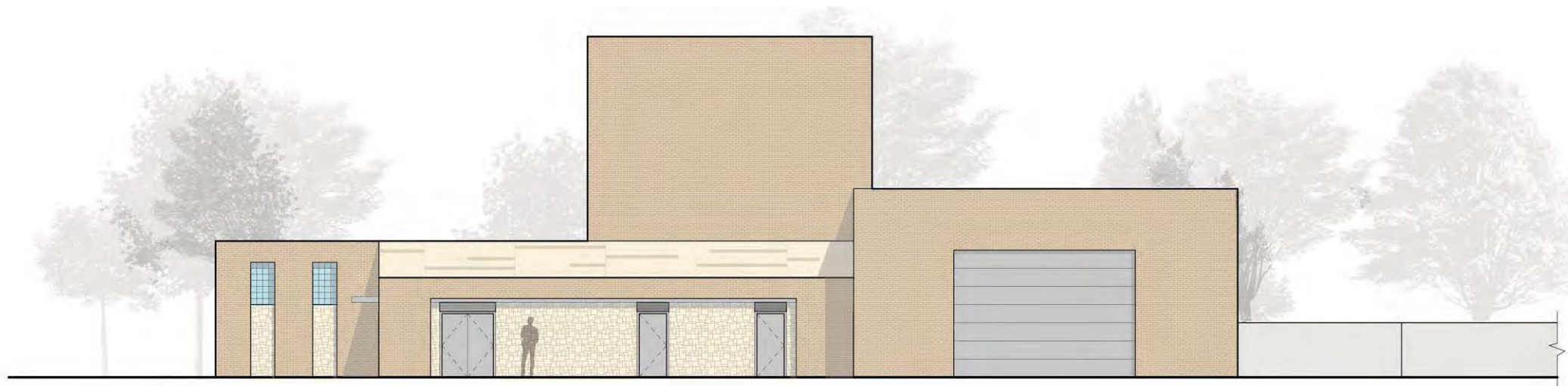
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A02 1/8" = 1'-0"



1 SOUTH ELEVATION  
A02 1/8" = 1'-0"



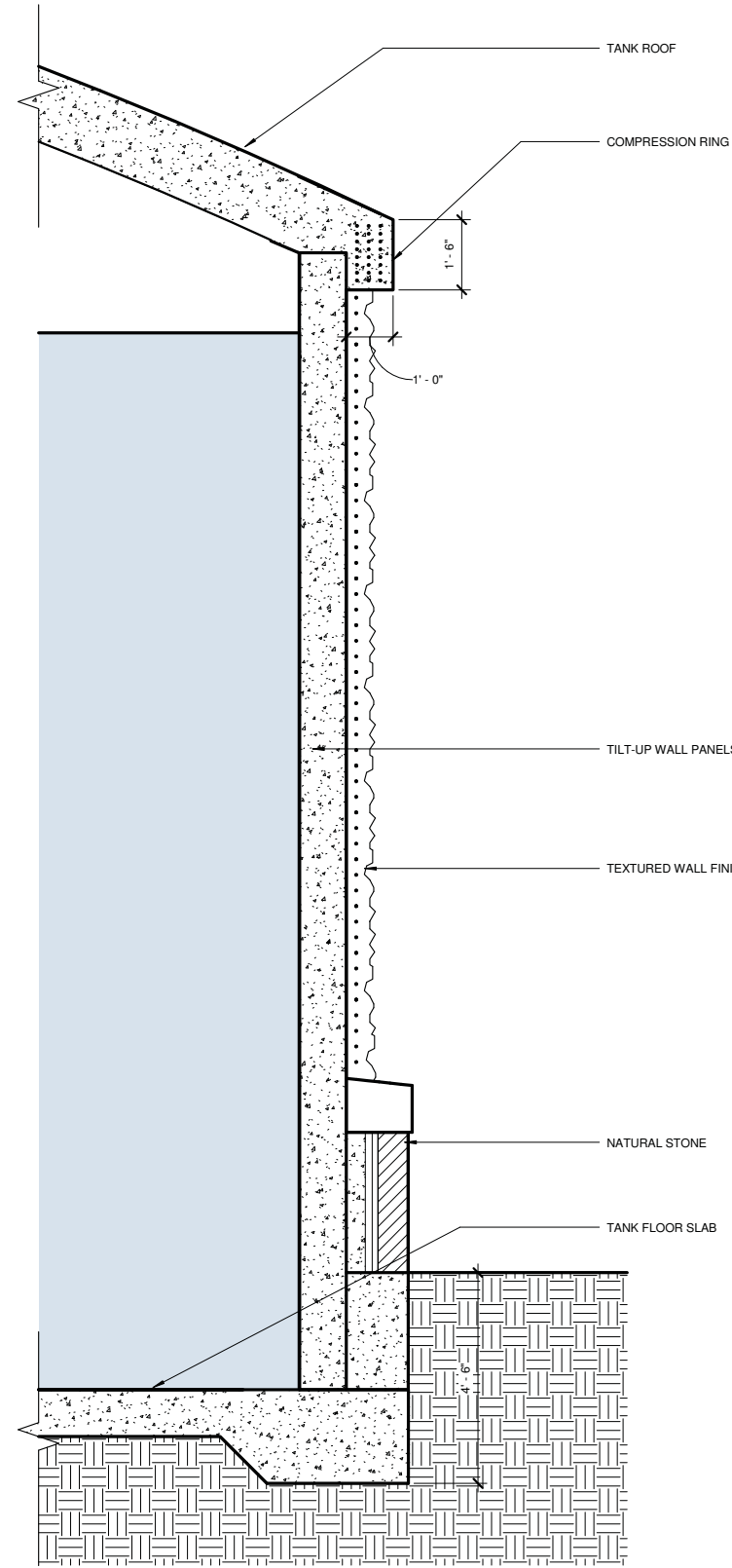
2 EAST ELEVATION  
A03 1/8" = 1'-0"



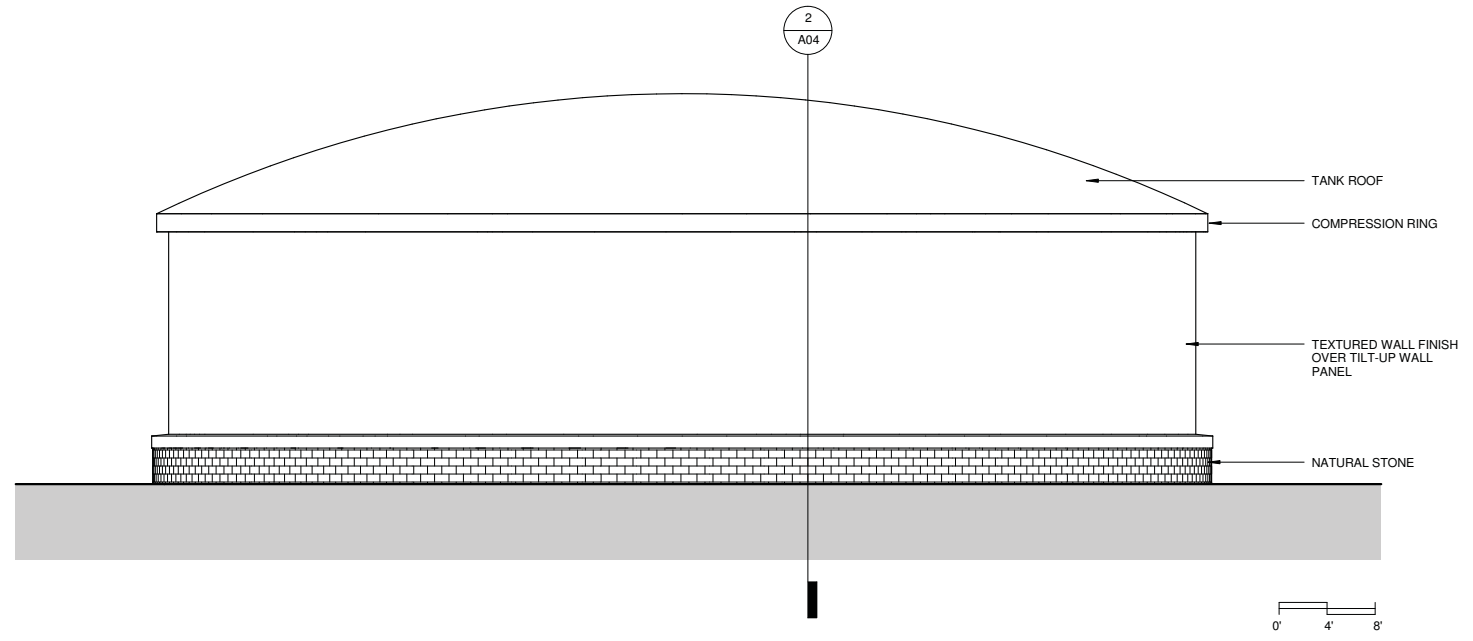
1 WEST ELEVATION  
A03 1/8" = 1'-0"



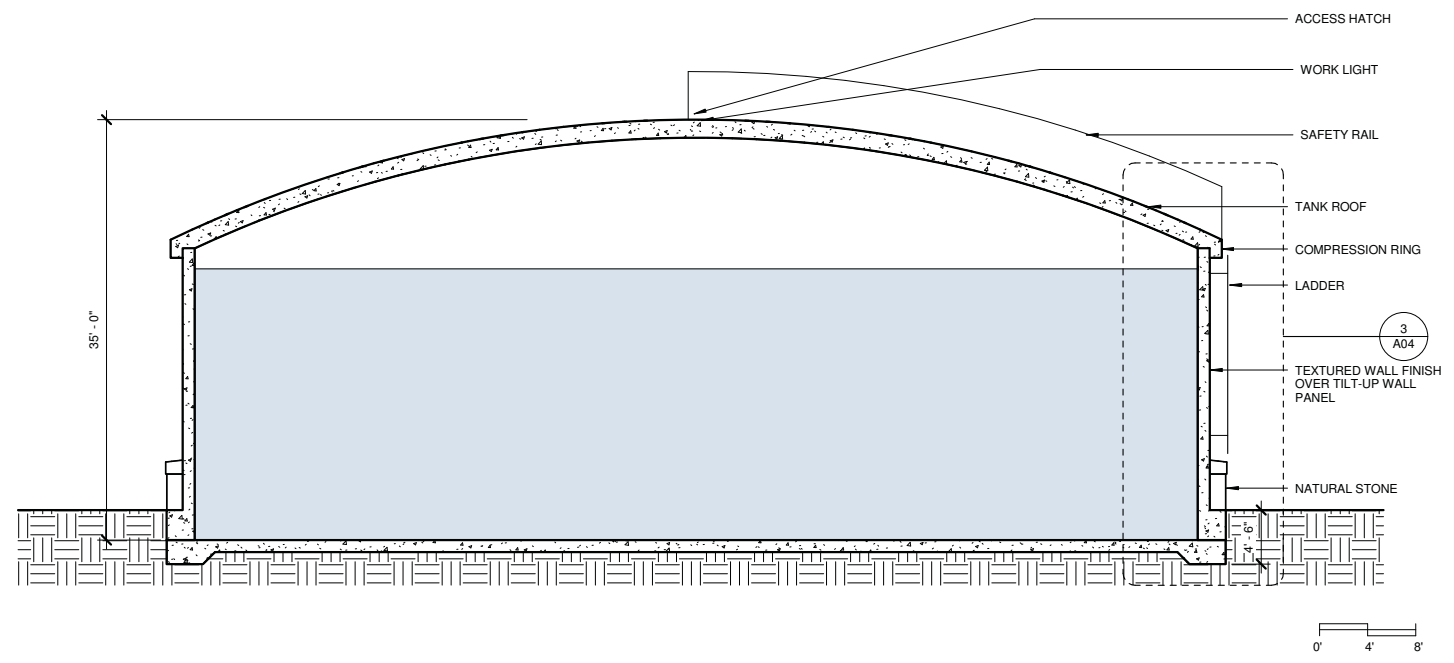




**3** TANK WALL SECTION  
A04 1/2" = 1'-0"



**1** TANK ELEVATION  
A04 1/8" = 1'-0"



**2** TANK SECTION  
A04 1/8" = 1'-0"

MARK	DATE	DESCRIPTION

FILE NO.	Project Number
CITY PROJECT NO.	Issue Date
ISSUE DATE	Designer
DESIGNED BY	Author
DRAWN BY	

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