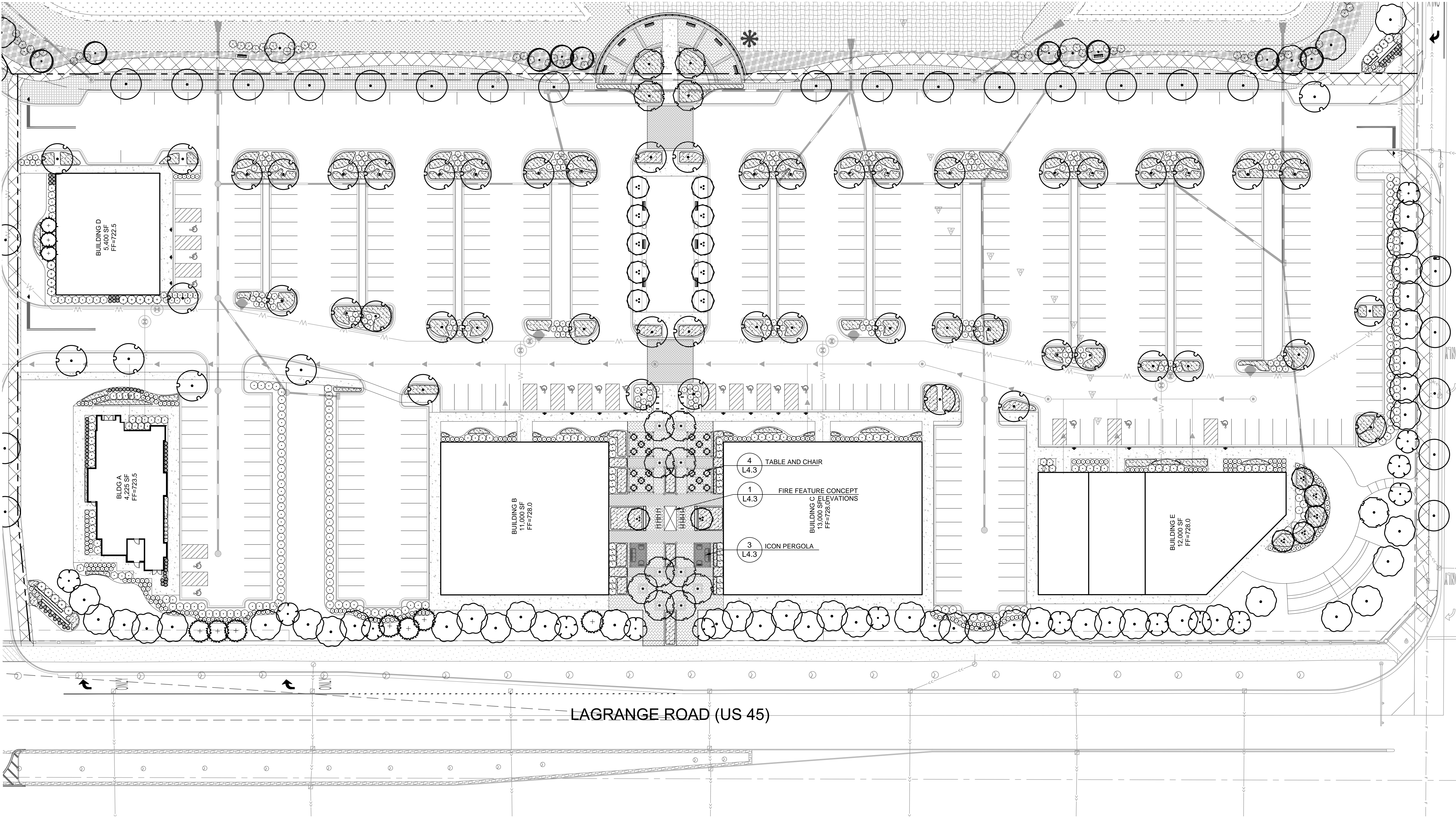
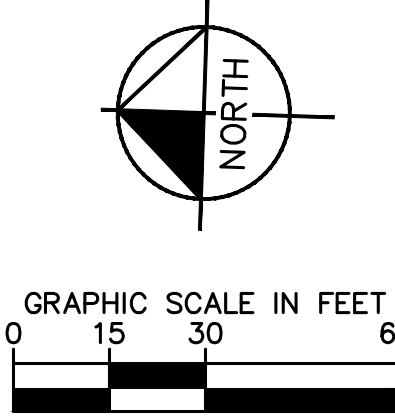




SITE LANDSCAPE REQUIREMENT CALCULATIONS		
ORDINANCE	REQUIREMENT CALCULATION	LANDSCAPING PROVIDED
6-305-D.4 - LANDSCAPE BUFFERYARDS	NA PROJECT AREA HAS NO SIDE OR REAR YARDS	NA
6-305-D.5.a - FOUNDATION LANDSCAPING	A MINIMUM 10' WIDE ON AVERAGE FOUNDATION LANDSCAPE AREA ALONG 100% OF ALL BUILDING FACADES FRONTING PUBLIC STREETS, EXCEPT WHERE BUILDING ACCESS WALKWAYS / DRIVEWAYS OR EMERGENCY SERVICE CONNECTIONS ARE NECESSARY. A MINIMUM 7' WIDE FOUNDATION LANDSCAPE AREA SHALL BE PROVIDED ALONG 50% OF ALL BUILDING FACADES NOT FRONTING A PUBLIC STREET, EXCEPT WHERE BUILDING ACCESS WALKWAYS / DRIVEWAYS OR EMERGENCY SERVICE CONNECTIONS ARE NECESSARY. ON AVERAGE, A MINIMUM OF 1 ORNAMENTAL TREE AND SIXTEEN SHRUBS OR ORNAMENTAL GRASSES FOR EVERY 100' OF BUILDING FACE.	10' WIDE AVERAGE FOUNDATION LANDSCAPE AREA ALONG BUILDING FACADES FRONTING PUBLIC STREETS. 7' WIDE AVERAGE FOUNDATION AREA ALONG 100% OF BUILDING FACADES NOT FRONTING A PUBLIC STREET.

6-305-D.5.b - INTERIOR LOT LANDSCAPING	A MINIMUM OF 1 TREE PER 10,000 SF OF LOT AREA APPROX. PROJECT AREA = 321,472 SF 321,472 / 10,000 = 32 TREES	32 TREES
6-305-D.6.a.1 - PERIMETER PARKING LOT SCREENING	ALL PARKING LOTS SIGNIFICANTLY SCREENED FROM ADJACENT PROPERTIES AND STREETS	PARKING LOTS SCREENED FROM ADJACENT STREETS
6-305-D.6.a.2 - PARKING LOT ISLAND LANDSCAPING	1 PARKING LOT ISLAND FOR EVERY 10 PARKING SPACES. 1 SHADE TREE PER PARKING ISLAND. SHRUBS, ORNAMENTAL GRASSES, PERENNIALS AND GROUND COVERS IN ADDITION TO TREES IN ISLANDS. TOTAL PARKING SPACES = 390 390 / 10 = 39 ISLANDS / TREES	42 TREES



Drawing name: \\kimley-horn.com\\W\\WHS\\CHS\\LDE\\168626000\_SR Jacobson, Ornd Park, IL\\2 Design\\CAD\\PlanSheets\\L2.1 COMMERCIAL AREA PRELIMINARY LANDSCAPE PLAN Feb 06, 2019 10:37am by: jesse.connell  
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07/13/2018  
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SHEET NUMBER  
L2.1

COMMERCIAL  
AREA  
PRELIMINARY  
LANDSCAPE PLAN

SR JACOBSON  
ARCHITECTS & PLANNERS

LORMAX STERN

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SCALE: AS NOTED

DESIGNED BY: TRE  
DRAWN BY: JDC  
CHECKED BY: WAW

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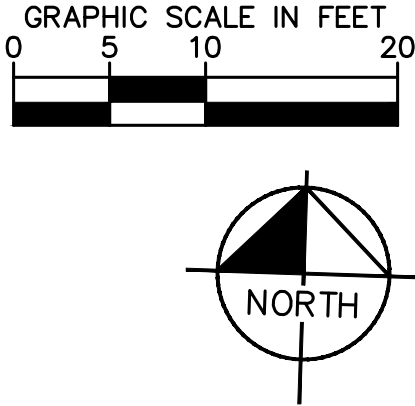
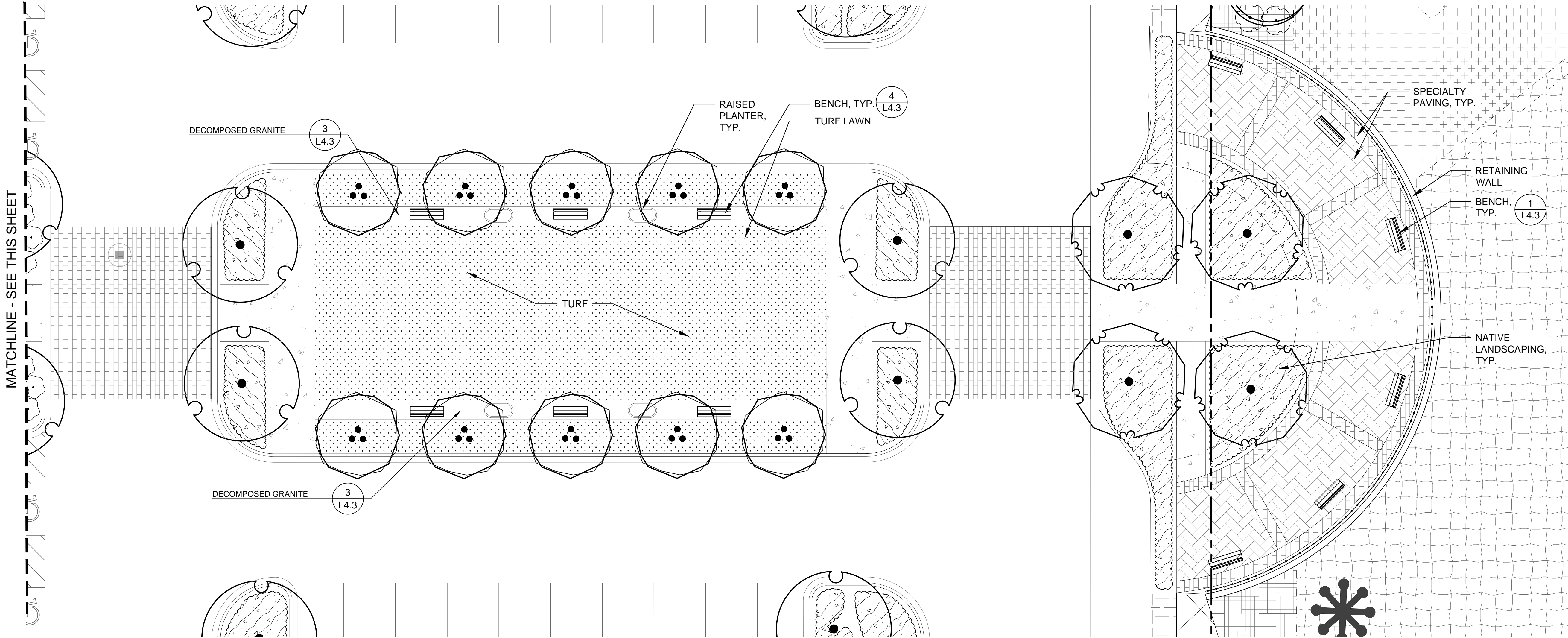
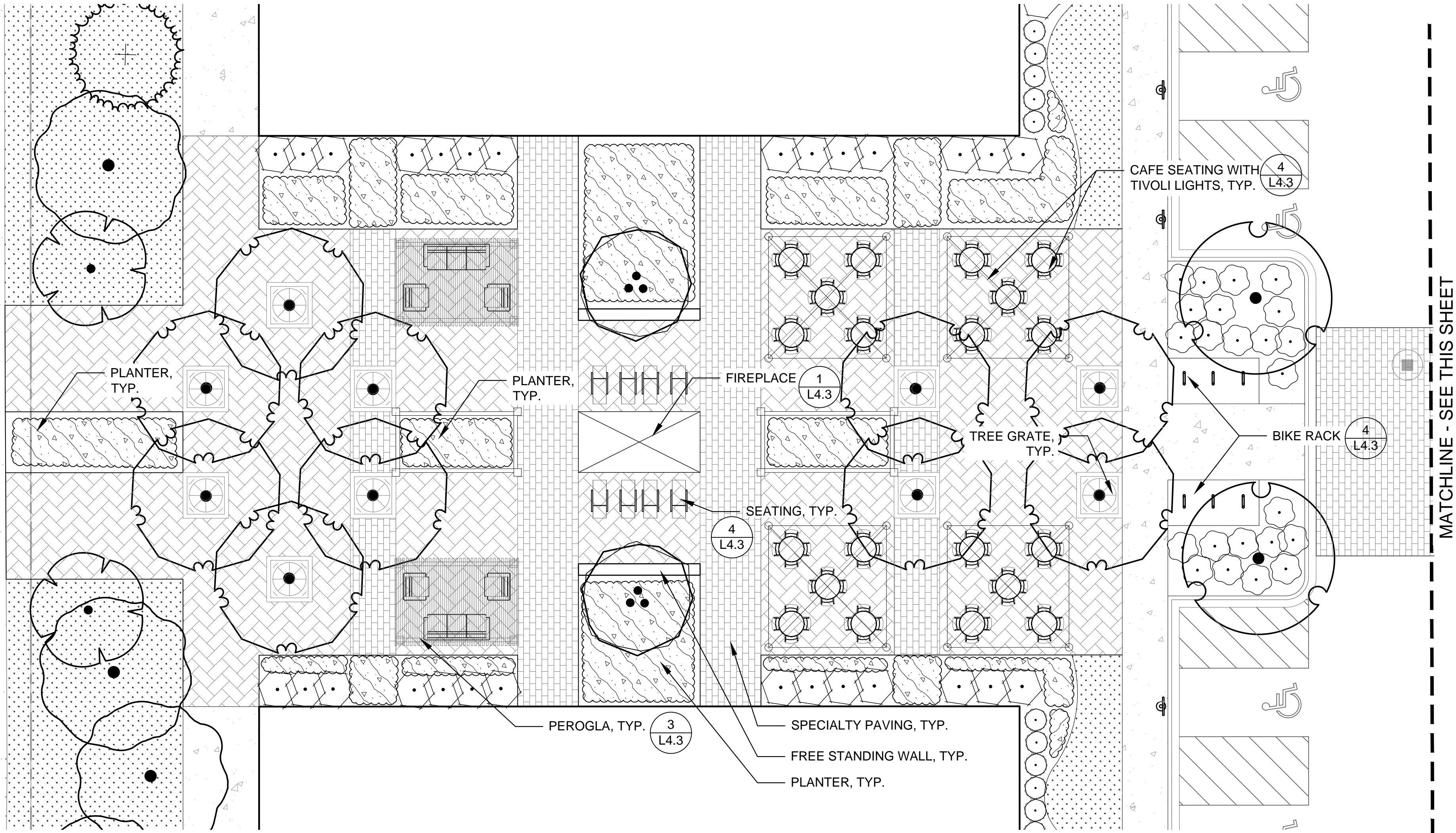
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NO.	DATE	BY
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2	07/07/19	WAW
3	11/16/18	WAW



Drawing name: \\kimley-horn.com\\WML\_OHS\\OHS\_LDE\\168626000\_SR Jacobson\_Orland Park, IL\\2 Design\\CAD\\PlanSheets\\L2.2 - LANDSCAPE PLAN.dwg L2.2 COMMERCIAL AMENITY ENLARGMENT Feb 06, 2019 10:38am by jesse.connell

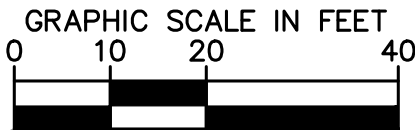
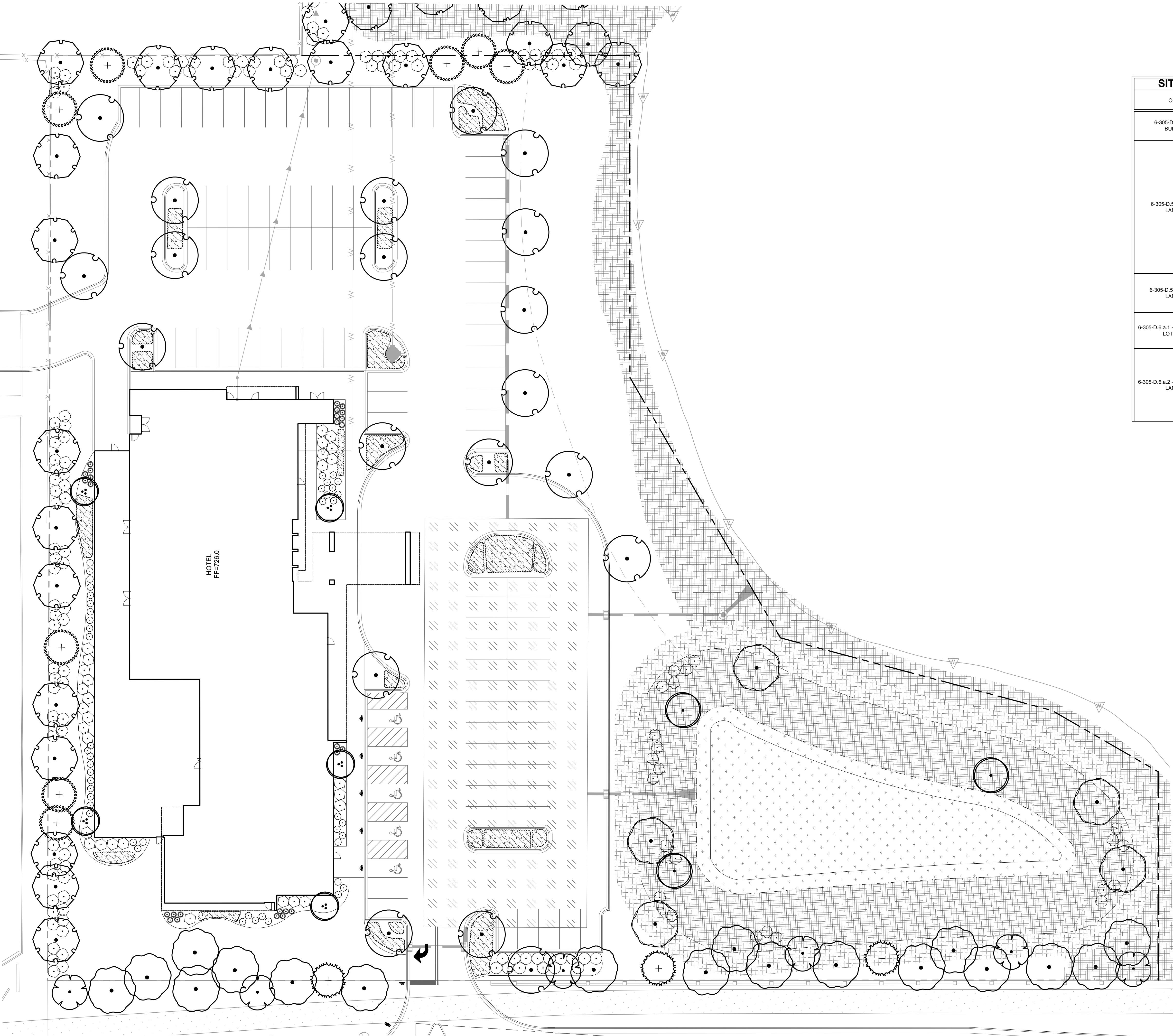
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SITE LANDSCAPE REQUIREMENT CALCULATIONS		
ORDINANCE	REQUIREMENT CALCULATION	LANDSCAPING PROVIDED
6-305-D.4 - LANDSCAPE BUFFERYARDS	<p>NA</p> <p>PROJECT AREA HAS NO SIDE OR REAR YARDS</p>	NA
6-305-D.5.a - FOUNDATION LANDSCAPING	<p>A MINIMUM 10' WIDE ON AVERAGE FOUNDATION LANDSCAPE AREA ALONG 100% OF ALL BUILDING FACADES FRONTING PUBLIC STREETS, EXCEPT WHERE BUILDING ACCESS WALKWAYS / DRIVEWAYS OR EMERGENCY SERVICE CONNECTIONS ARE NECESSARY.</p> <p>A MINIMUM 7' WIDE FOUNDATION LANDSCAPE AREA SHALL BE PROVIDED ALONG 50% OF ALL BUILDING FACADES NOT FRONTING A PUBLIC STREET EXCEPT WHERE BUILDING ACCESS WALKWAYS / DRIVEWAYS OR EMERGENCY SERVICE CONNECTIONS ARE NECESSARY.</p> <p>ON AVERAGE, A MINIMUM OF 1 ORNAMENTAL TREE AND SIXTEEN SHRUBS OR ORNAMENTAL GRASSES FOR EVERY 100' OF BUILDING FACE.</p>	<p>10' WIDE AVERAGE FOUNDATION LANDSCAPE AREA ALONG BUILDING FACADES FRONTING PUBLIC STREETS. 7' WIDE AVERAGE FOUNDATION AREA ALONG 100% OF BUILDING FACADES NOT FRONTING A PUBLIC STREET.</p>
6-305-D.5.b - INTERIOR LOT LANDSCAPING	<p>A MINIMUM OF 1 TREE PER 10,000 SF OF LOT AREA</p> <p>APPROX. PROJECT AREA = 123,710 SF</p> <p>123,710 / 10,000 = 12 TREES</p>	12 TREES
6-305-D.6.a.1 - PERIMETER PARKING LOT SCREENING	ALL PARKING LOTS SIGNIFICANTLY SCREENED FROM ADJACENT PROPERTIES AND STREETS	PARKING LOTS SCREENED FROM ADJACENT STREETS
6-305-D.6.a.2 - PARKING LOT ISLAND LANDSCAPING	<p>1 PARKING LOT ISLAND FOR EVERY 10 PARKING SPACES. 1 SHADE TREE PER PARKING ISLAND. SHRUBS, ORNAMENTAL GRASSES, PERENNIALS AND GROUND COVERS IN ADDITION TO TREES IN ISLANDS.</p> <p>TOTAL PARKING SPACES = 82</p> <p>82/ 10 = 8 ISLANDS / TREES</p>	8 TREES

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ORIGINAL ISSUE:  
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SHEET NUMBER

**L2.3**

# HOTEL PRELIMINARY LANDSCAPE PLAN



**PRELIMINARY  
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CONSTRUCTION**

SCALE:	AS NOTED
DESIGNED BY:	TRE
DRAWN BY:	JDC
CHECKED BY:	WAW

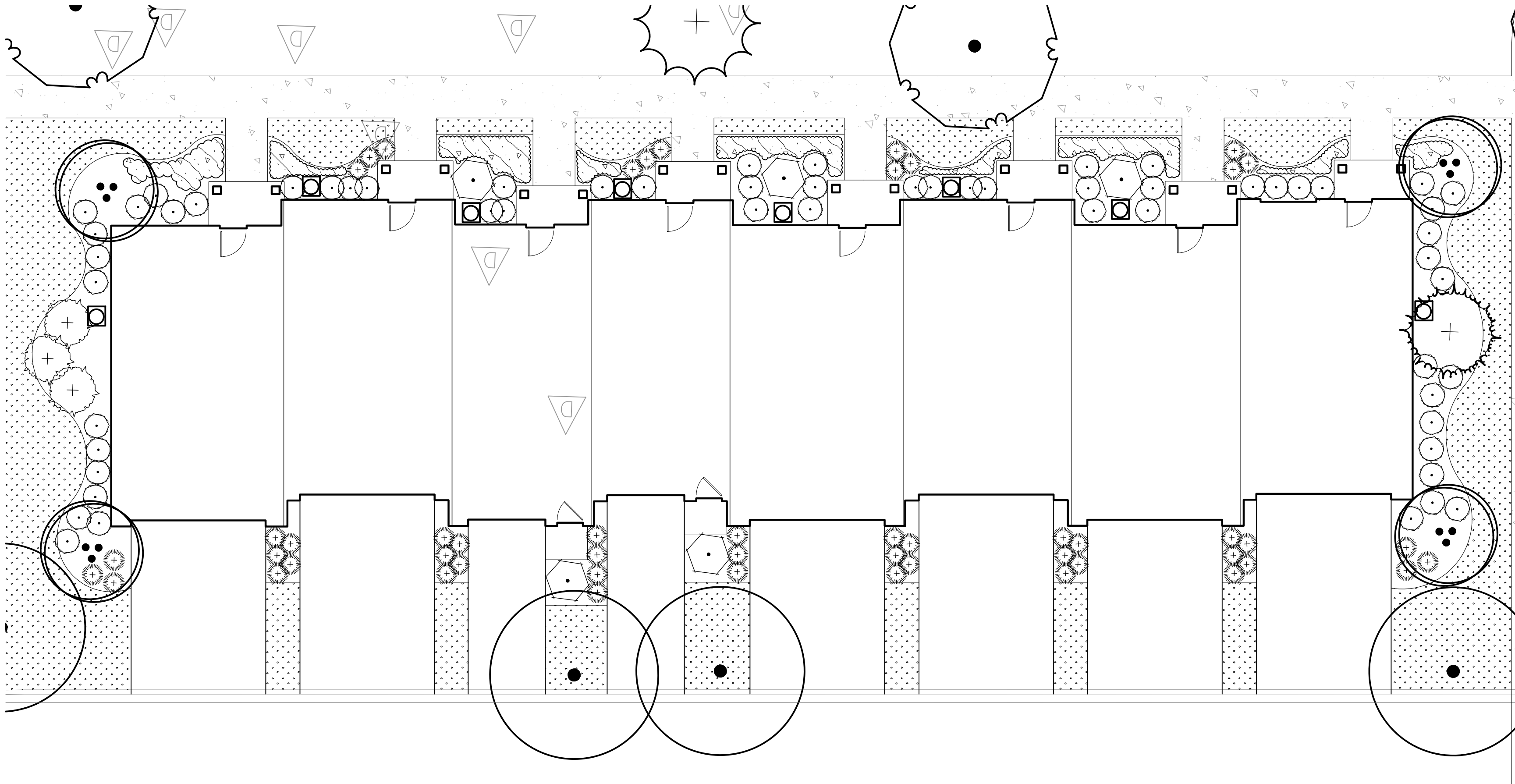
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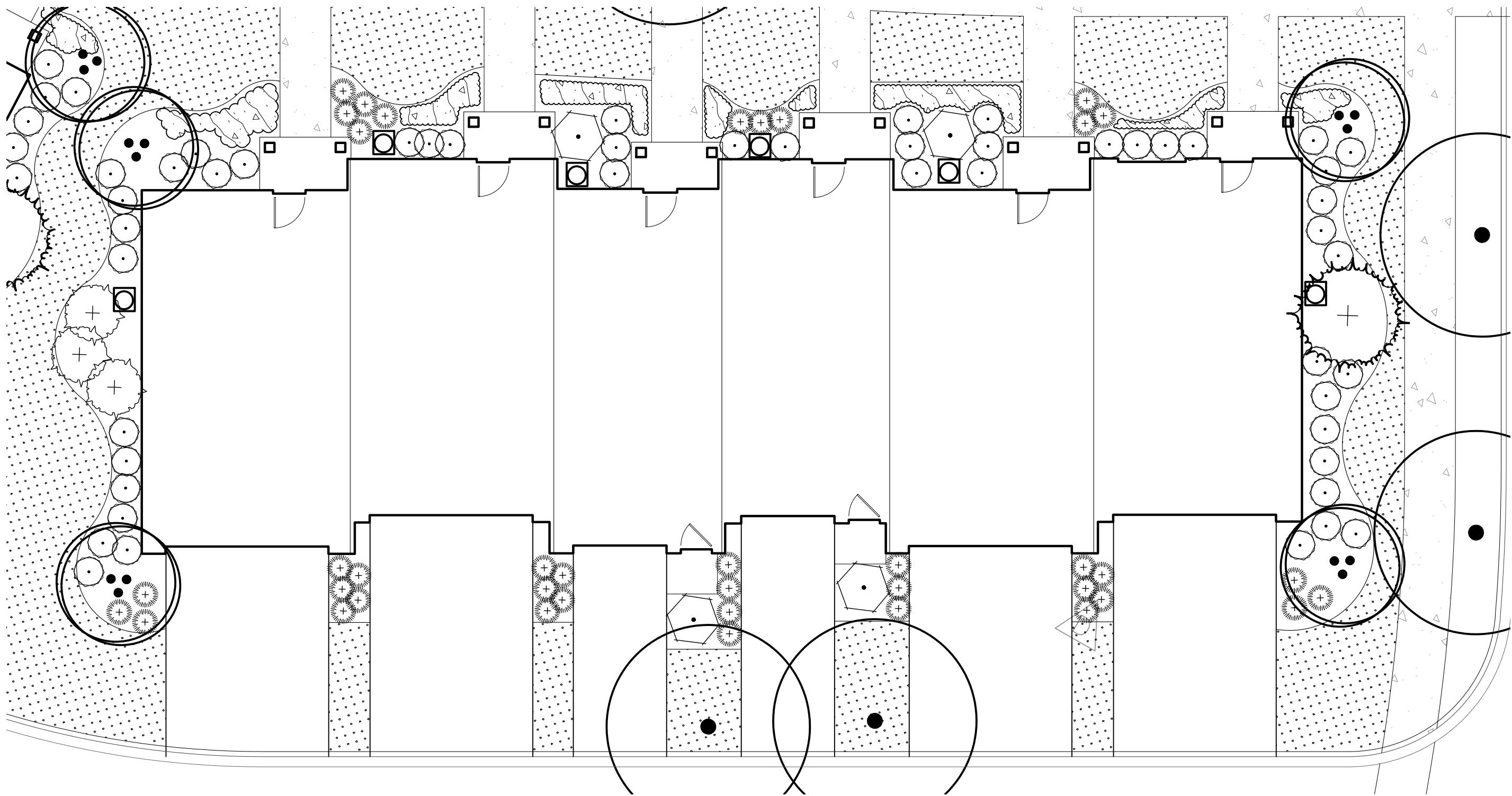


Drawing name: \\kimley-horn.com\WML\_OHS\CHS\_LDE\168626000\_SR Jacobson\_Orland Park, IL\2 Design\CAD\PlanSheets\L2.0 - LANDSCAPE PLAN.dwg L2.4 APARTMENTS PRELIMINARY LANDSCAPE PLAN Feb 06, 2019 10:35am by: jesus.connell

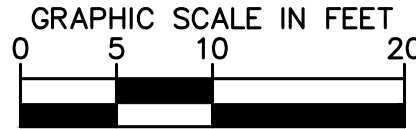
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APARTMENT BUILDING B LANDSCAPE PROTOTYPE



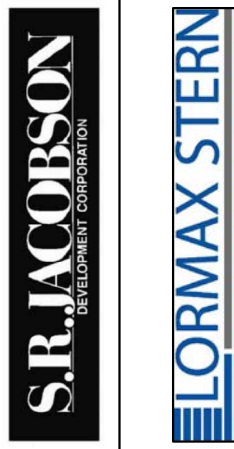
APARTMENT BUILDING A LANDSCAPE PROTOTYPE



SITE LANDSCAPE REQUIREMENT CALCULATIONS		
ORDINANCE	REQUIREMENT CALCULATION	LANDSCAPING PROVIDED
6-305-D.5.a - FOUNDATION LANDSCAPING	<p>A MINIMUM 10' WIDE ON AVERAGE FOUNDATION LANDSCAPE AREA ALONG 100% OF ALL BUILDING FACADES FRONTING PUBLIC STREETS, EXCEPT WHERE BUILDING ACCESS WALKWAYS / DRIVEWAYS OR EMERGENCY SERVICE CONNECTIONS ARE NECESSARY.</p> <p>A MINIMUM 7' WIDE FOUNDATION LANDSCAPE AREA SHALL BE PROVIDED ALONG 50% OF ALL BUILDING FACADES NOT FRONTING A PUBLIC STREET, EXCEPT WHERE BUILDING ACCESS WALKWAYS / DRIVEWAYS OR EMERGENCY SERVICE CONNECTIONS ARE NECESSARY.</p> <p>ON AVERAGE, A MINIMUM OF 1 ORNAMENTAL TREE AND SIXTEEN SHRUBS OR ORNAMENTAL GRASSES FOR EVERY 100' OF BUILDING FACE.</p>	<p>10' WIDE AVERAGE FOUNDATION LANDSCAPE AREA ALONG BUILDING FACADES FRONTING PUBLIC STREETS. 7' WIDE AVERAGE FOUNDATION AREA ALONG 100% OF BUILDING FACADES NOT FRONTING A PUBLIC STREET.</p>

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APARTMENTS  
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LANDSCAPE  
PLAN



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CONSTRUCTION

SCALE: AS NOTED  
DESIGNED BY: TRE  
DRAWN BY: JDC  
CHECKED BY: WAW

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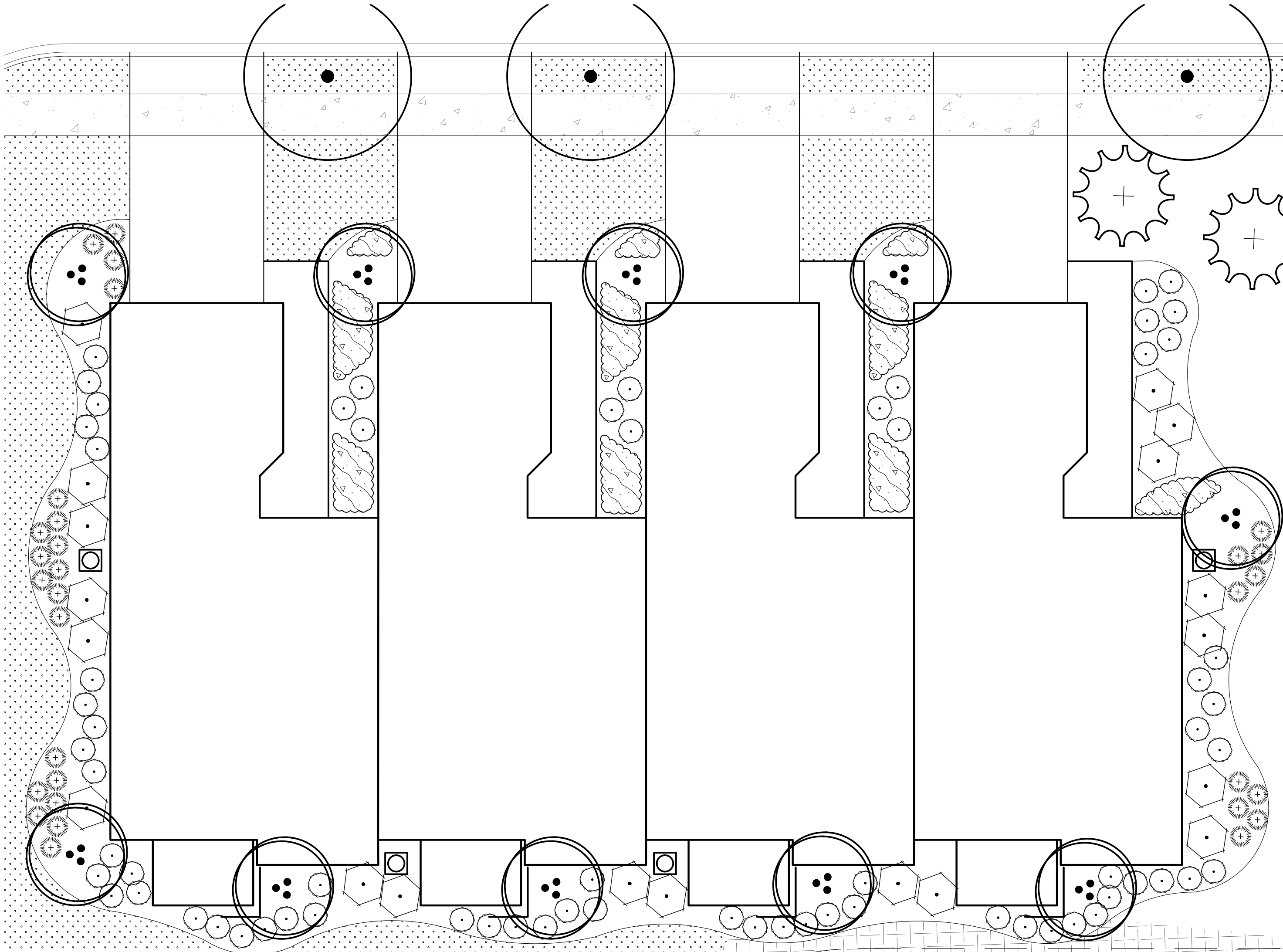
DATE	BY
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01/07/19	WAW
11/16/18	WAW

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07/13/2018  
KHA PROJECT NO.  
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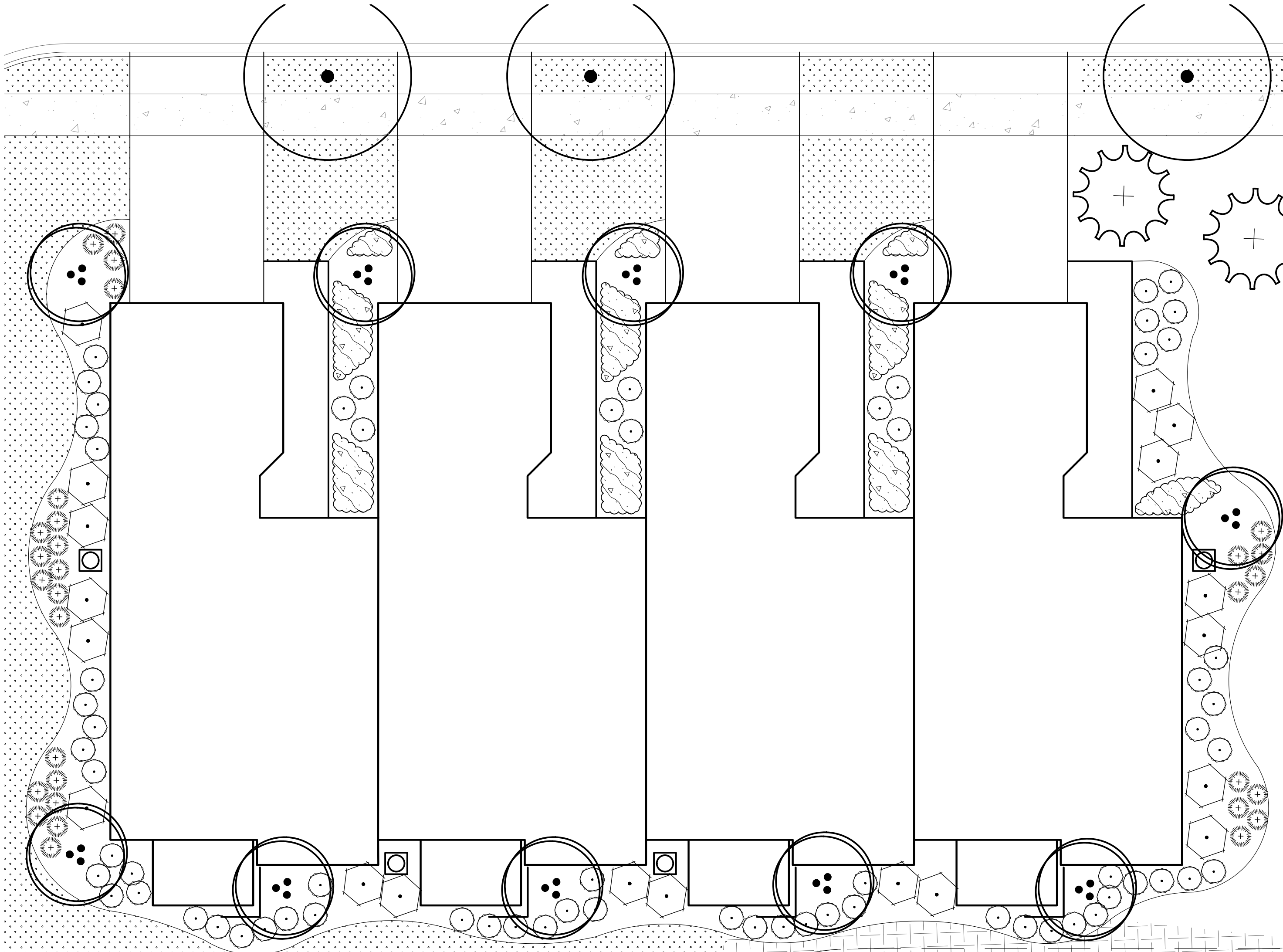
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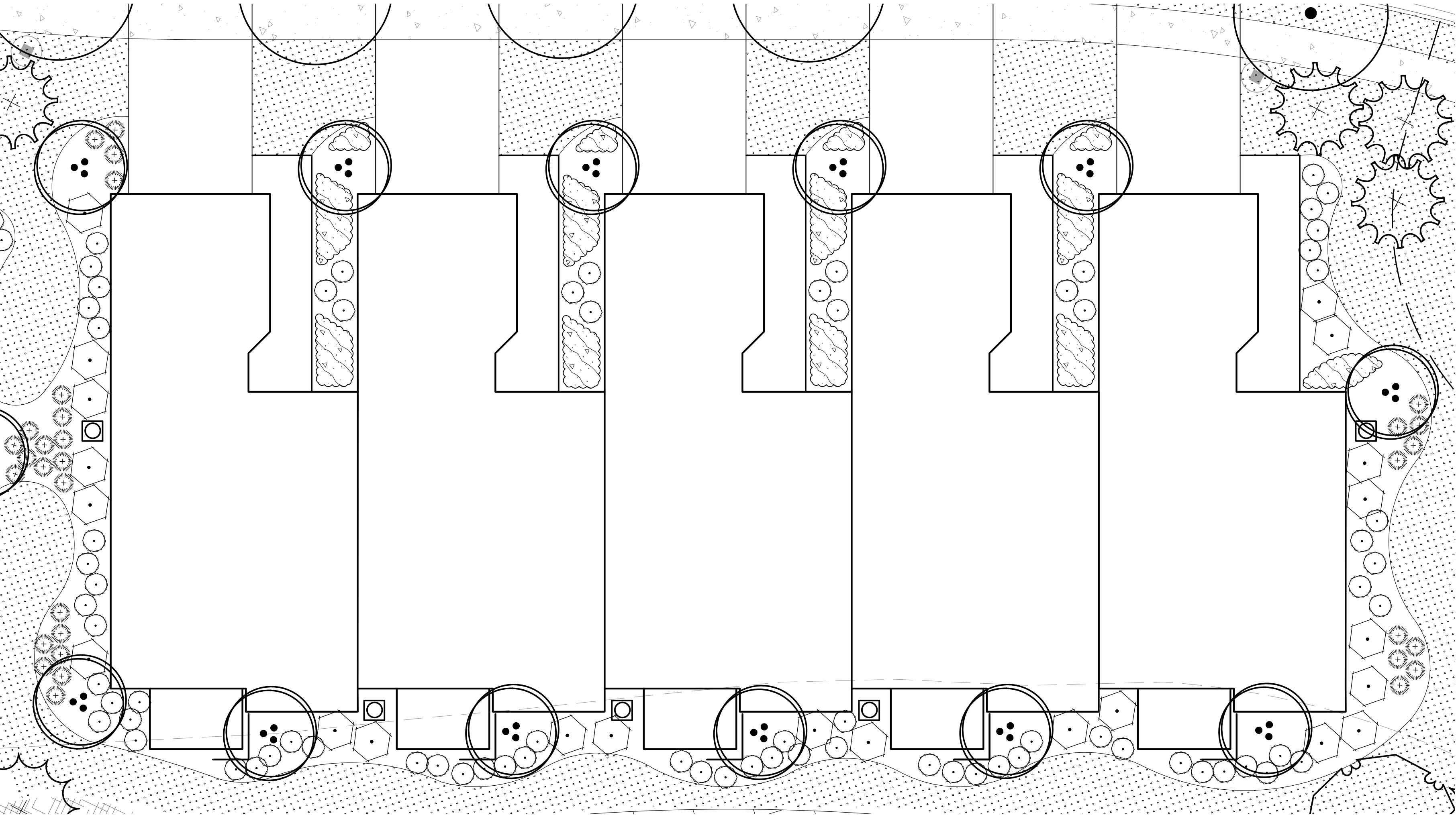
Drawing name: \\kimley-horn.com\WML\CHS\18826000\_SR Jacobson\_Orland Park, IL\2 Design\CAD\PlanSheets\L2.5 TOWNHOME PRELIMINARY LANDSCAPE PLAN.dwg    Feb 06, 2019    10:39am    by: jesse.cornell  
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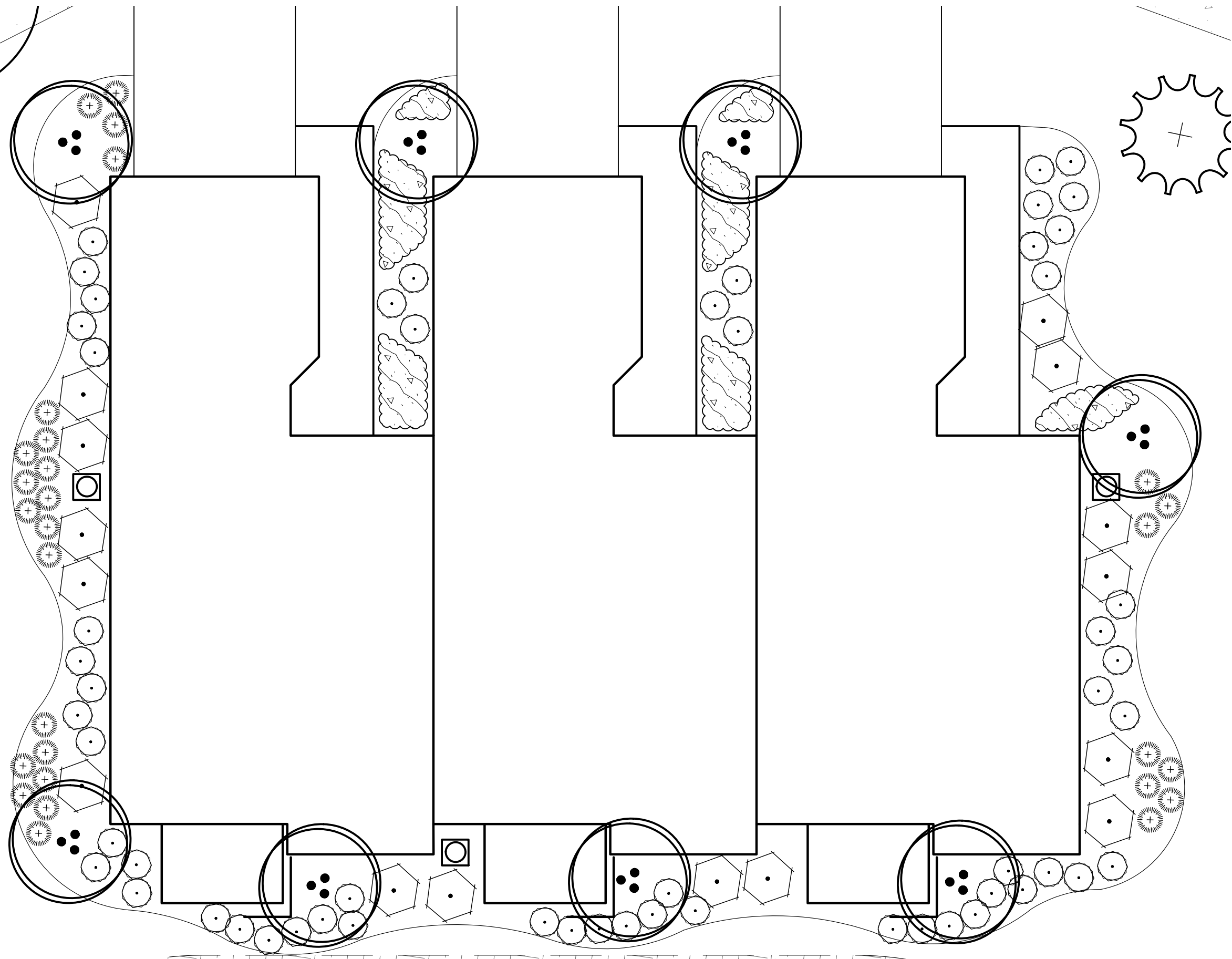
TOWNHOME BUILDING B LANDSCAPE PROTOTYPE



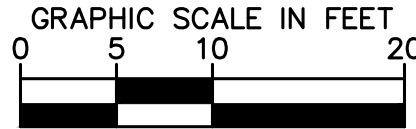
TOWNHOME BUILDING B LANDSCAPE PROTOTYPE



TOWNHOME BUILDING A LANDSCAPE PROTOTYPE



TOWNHOME BUILDING C LANDSCAPE PROTOTYPE



SITE LANDSCAPE REQUIREMENT CALCULATIONS		
ORDINANCE	REQUIREMENT CALCULATION	LANDSCAPING PROVIDED
6-305-D.5.a - FOUNDATION LANDSCAPING	<p>A MINIMUM 10' WIDE ON AVERAGE FOUNDATION LANDSCAPE AREA ALONG 100% OF ALL BUILDING FACADES FRONTING PUBLIC STREETS, EXCEPT WHERE BUILDING ACCESS WALKWAYS / DRIVEWAYS OR EMERGENCY SERVICE CONNECTIONS ARE NECESSARY.</p> <p>A MINIMUM 7' WIDE FOUNDATION LANDSCAPE AREA SHALL BE PROVIDED ALONG 50% OF ALL BUILDING FACADES NOT FRONTING A PUBLIC STREET, EXCEPT WHERE BUILDING ACCESS WALKWAYS / DRIVEWAYS OR EMERGENCY SERVICE CONNECTIONS ARE NECESSARY.</p> <p>ON AVERAGE, A MINIMUM OF 1 ORNAMENTAL TREE AND SIXTEEN SHRUBS OR ORNAMENTAL GRASSES FOR EVERY 100' OF BUILDING FACE.</p>	<p>10' WIDE AVERAGE FOUNDATION LANDSCAPE AREA ALONG BUILDING FACADES FRONTING PUBLIC STREETS. 7' WIDE AVERAGE FOUNDATION AREA ALONG 100% OF BUILDING FACADES NOT FRONTING A PUBLIC STREET.</p>

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TOWNHOME  
PRELIMINARY  
LANDSCAPE  
PLAN

PRELIMINARY  
NOT FOR  
CONSTRUCTION

SCALE: AS NOTED  
DESIGNED BY: TRE  
DRAWN BY: JDC  
CHECKED BY: WAW

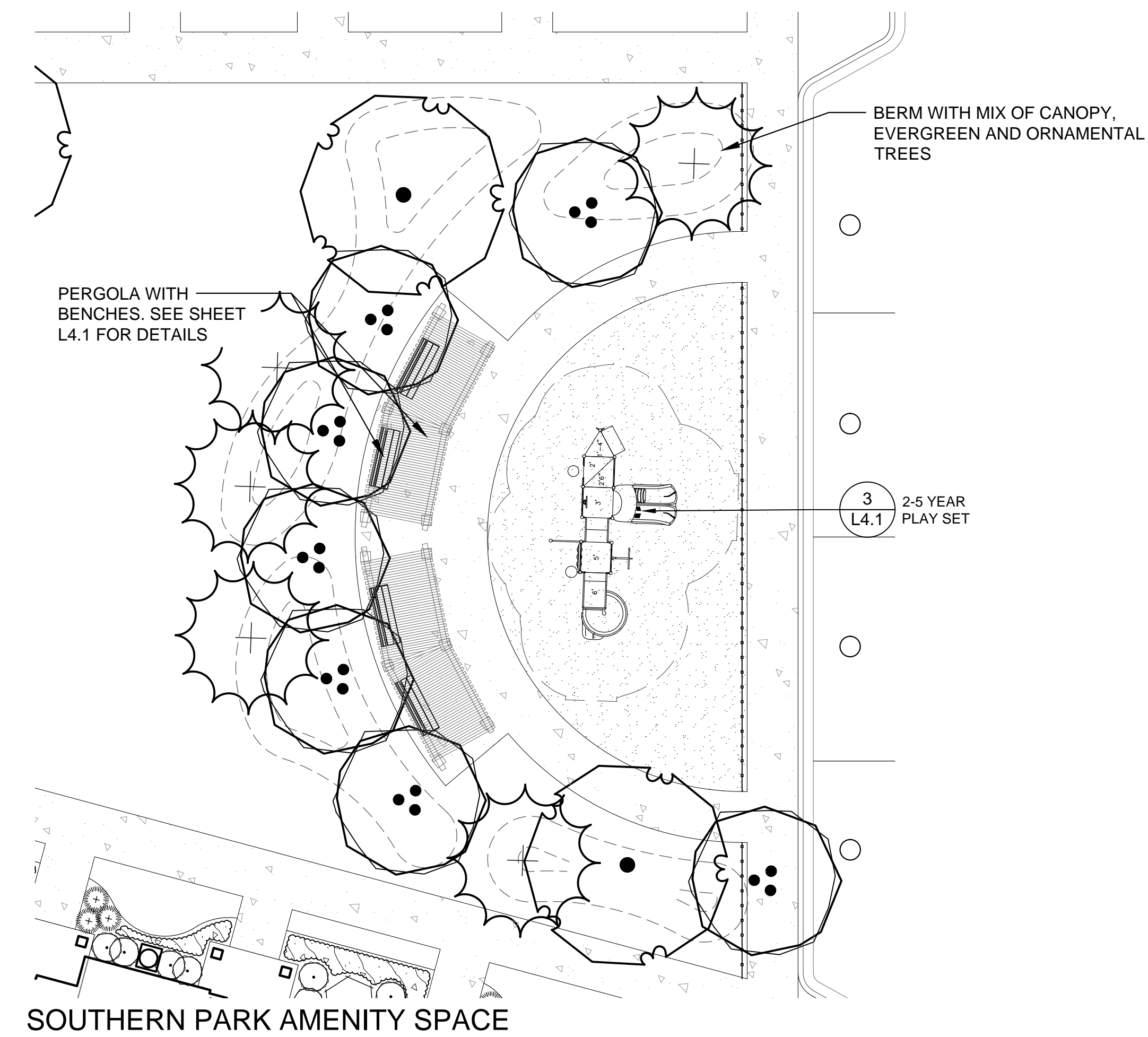
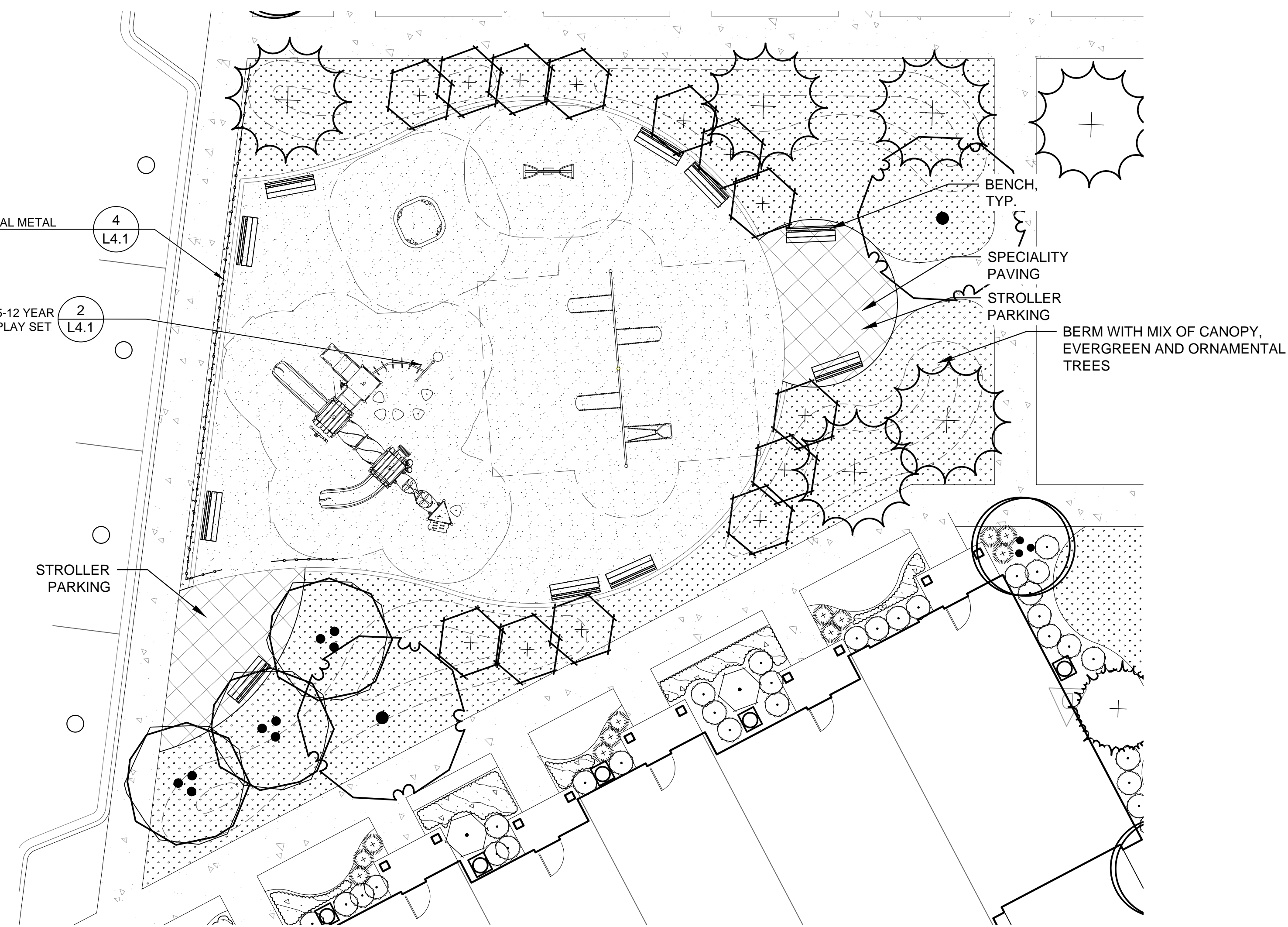
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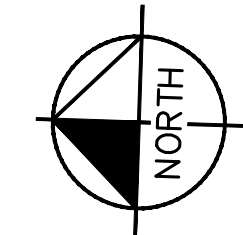
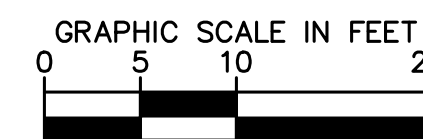
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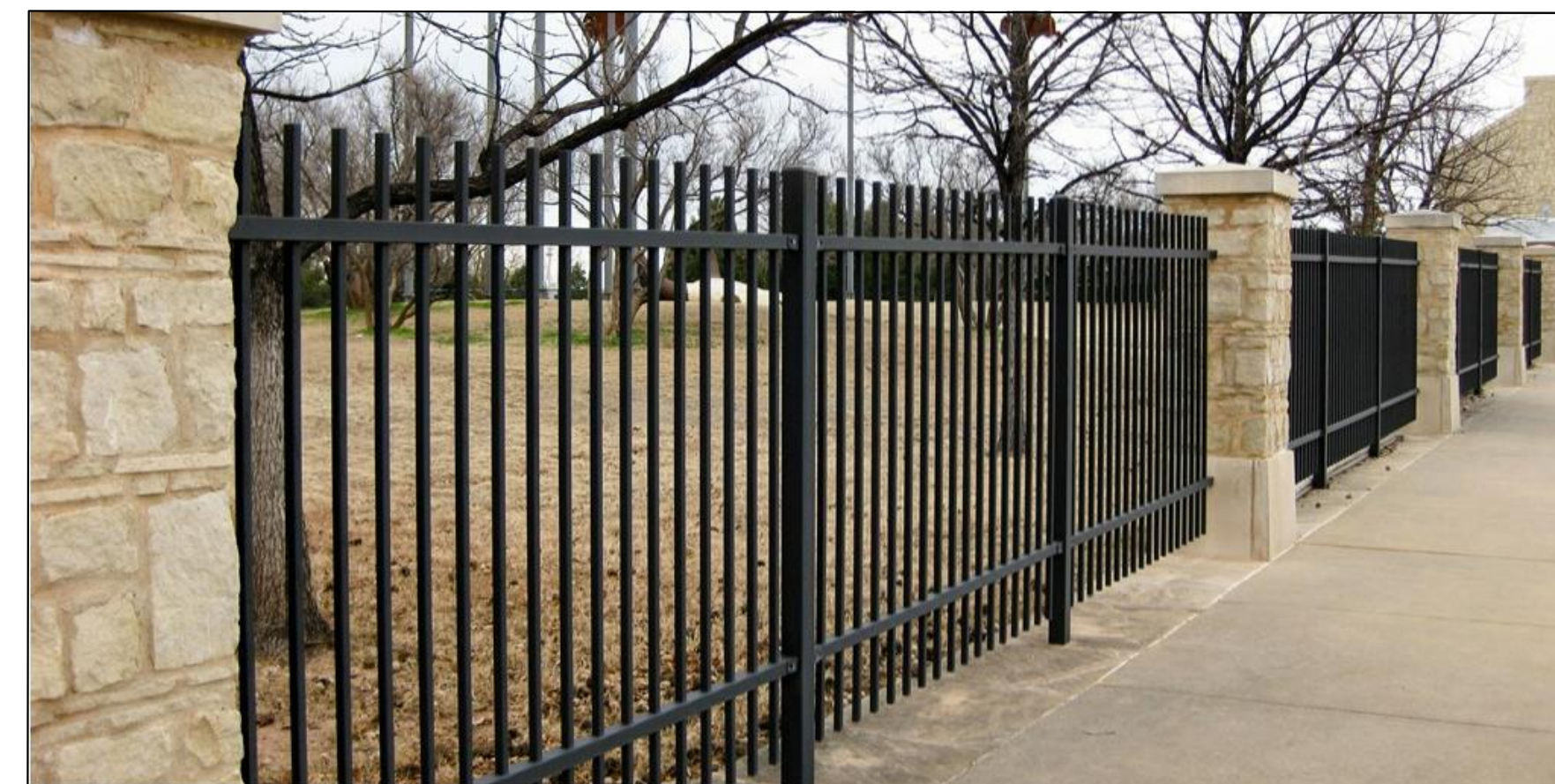
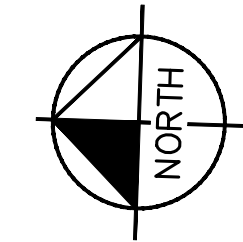
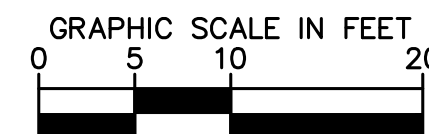
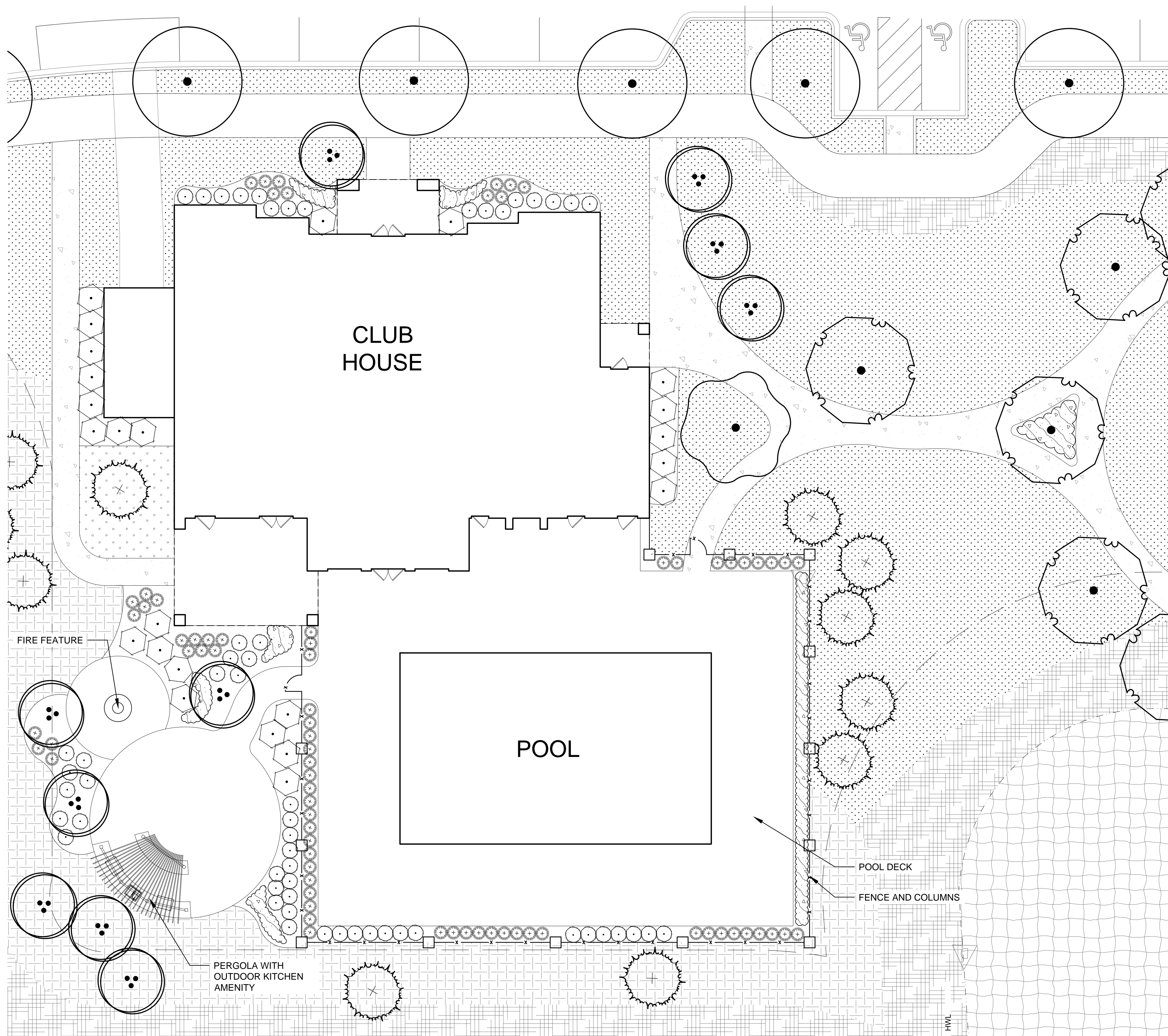
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LOCATION MAP

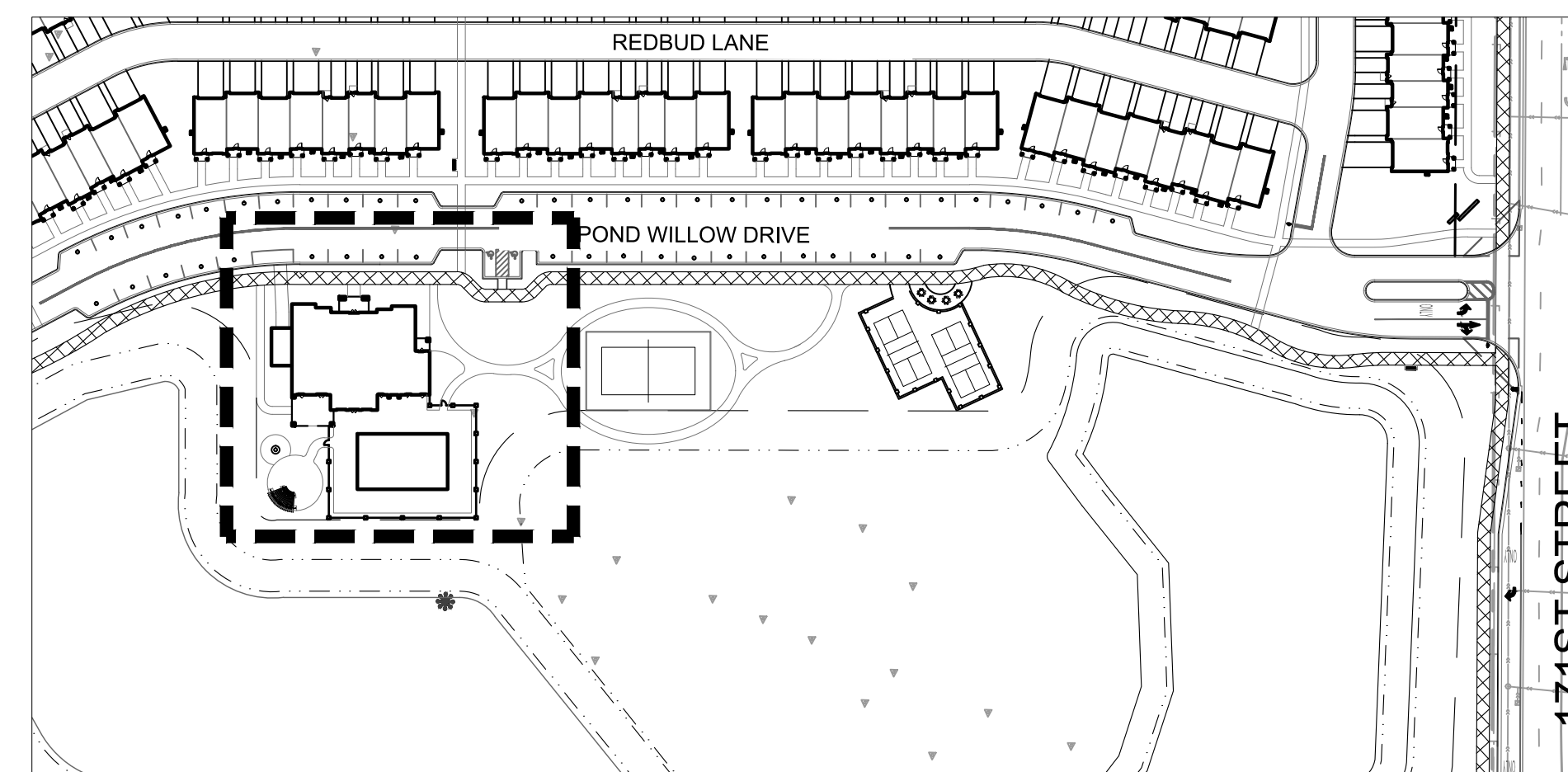
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## FENCE AND COLUMN

IMAGE SHOWN FOR CONCEPTUAL PURPOSE ONLY MATERIALS TO BE FINALIZED AT FINAL PLAN SUBMITTAL



LOCATION MAP

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LANDSCAPE REQUIREMENT CALCULATIONS		
ORDINANCE	REQUIREMENT CALCULATION	LANDSCAPING PROVIDED
6-305-D.2 - LANDSCAPE PARKWAYS: 94TH AVE	PARKWAY TREES SPACED 40' O.C.	PROVIDED AT 40' O.C.
6-305-D.2 - LANDSCAPE PARKWAYS: LAGRANGE ROAD	PARKWAY TREES SPACED 40' O.C.	EXISTING TREES PROVIDED AT 40' O.C.
6-305-D.2 - LANDSCAPE PARKWAYS: 171ST STREET	PARKWAY TREES SPACED 40' O.C.	PROVIDED AT 40' O.C.
RESIDENTIAL INTERIOR ROADS	PARKWAY TREES SPACED 40' O.C.	PROVIDED AT 40' O.C.
6-305-D.3 - LANDSCAPE CORRIDORS: LAGRANGE ROAD (ARTERIAL CORRIDOR)	4 SHADE TREES, 2 ORNAMENTAL OR EVERGREEN TREES PER 100' CORRIDOR LENGTH = 450.57 LF 450.57 / 100 = 4.545 X 4 = 18 SHADE TREES 4.5 X 2 = 9 ORNAMENTAL OR EVERGREEN TREES	18 SHADE TREES 9 ORNAMENTAL OR EVERGREEN TREES
6-305-D.3 - LANDSCAPE CORRIDORS: LAGRANGE ROAD COMMERCIAL SECTION (ARTERIAL CORRIDOR)	4 SHADE TREES, 2 ORNAMENTAL OR EVERGREEN TREES PER 100' CORRIDOR LENGTH = 897 LF 897 / 100 = 8.97 8.97 X 4 = 36 (35.88) SHADE TREES 8.97 X 2 = 18 (17.94) ORNAMENTAL OR EVERGREEN TREES	36 SHADE TREES 18 ORNAMENTAL OR EVERGREEN TREES
6-305-D.3 - LANDSCAPE CORRIDORS: 171ST STREET (TYPICAL CORRIDOR)	3 SHADE TREES, 1 ORNAMENTAL OR EVERGREEN TREES PER 100' CORRIDOR LENGTH = 1078.22 LF 1078.22 / 100 = 10.78 10.78 X 3 = 32 (32.34) SHADE TREES 10.78 X 1 = 11 (10.78) ORNAMENTAL OR EVERGREEN TREES	32 SHADE TREES 11 ORNAMENTAL OR EVERGREEN TREES
6-305-D.3 - LANDSCAPE CORRIDORS: 94TH AVE (TYPICAL CORRIDOR)	3 SHADE TREES, 1 ORNAMENTAL OR EVERGREEN TREES PER 100' CORRIDOR LENGTH = 392 LF 3.92 / 100 = 10.78 3.92 X 3 = 12 (11.76) SHADE TREES 3.92 X 1 = 4 (3.92) ORNAMENTAL OR EVERGREEN TREES	12 SHADE TREES 4 ORNAMENTAL OR EVERGREEN TREES
6-305-D.3 - LANDSCAPE CORRIDORS: 94TH AVE (ENHANCED CORRIDOR)	RECOMMENDED PLANTING 2 SHADE TREES, 3 ORNAMENTAL TREES, 2 EVERGREEN TREES, 2 SMALL EVERGREEN TREES, 10 SHRUBS, 9 GRASSES PER 100' CORRIDOR LENGTH = 1636.5 LF 1636.5 / 100 = 16.36 16.36 X 2 = 33 (32.72) SHADE TREES 16.36 X 3 = 49 ORNAMENTAL 16.36 X 2 = 33 (32.72) EVERGREEN TREES 16.36 X 2 = 33 (32.72) SMALL EVERGREEN TREES 16.36 X 10 = 164 (163.6) SHRUBS 16.36 X 8 = 131 (130.88) GRASSES	33 SHADE TREES 49 ORNAMENTAL 33 EVERGREEN TREES 33 SMALL EVERGREEN TREES 164 SHRUBS 131 GRASSES
6-305-D.4 - LANDSCAPE BUFFERYARDS - RESIDENTIAL ADJACENT TO RESIDENTIAL (TOWNHOMES), NORTH PROPERTY LINE (BUFFER TYPE 1)	3 SHADE TREES, 1 EVERGREEN OR ORNAMENTAL TREE, AND 16 SHRUBS PER 100' CORRIDOR LENGTH: 425 LF 425 / 100 = 4.25 4.25 X 3 = (12.75) 13 SHADE TREES 4.25 X 1 = (4.25) 5 EVERGREEN TREES 4.25 X 16 = 68 SHRUBS	13 SHADE TREES PROVIDED 5 EVERGREEN TREES PROVIDED 68 SHRUBS PROVIDED
6-305-D.4 - LANDSCAPE BUFFERYARDS - RESIDENTIAL ADJACENT TO NON-RESIDENTIAL (PARK/OPEN SPACE), WEST PROPERTY LINE (BUFFER TYPE 1)	3 SHADE TREES, 1 EVERGREEN OR ORNAMENTAL TREE, AND 16 SHRUBS PER 100' CORRIDOR LENGTH: 114 LF 114 / 100 = 1.14 1.14 X 3 = (3.42) 3 SHADE TREES 1.14 X 1 = (1.14) 1 EVERGREEN TREES 1.14 X 16 = (18.24) 18 SHRUBS	3 SHADE TREES PROVIDED 1 EVERGREEN TREES PROVIDED 18 SHRUBS PROVIDED
6-305-D.4 - LANDSCAPE BUFFERYARDS - RESIDENTIAL ADJACENT TO NON-RESIDENTIAL (PARK/OPEN SPACE), NORTH PROPERTY LINE (BUFFER TYPE 1)	3 SHADE TREES, 1 EVERGREEN OR ORNAMENTAL TREE, AND 16 SHRUBS PER 100' CORRIDOR LENGTH: 99 LF 99 / 100 = 0.99 0.99 X 3 = (2.96) 3 SHADE TREES 0.99 X 1 = (.99) 1 EVERGREEN TREES 0.99 X 16 = (15.84) 16 SHRUBS	3 SHADE TREES PROVIDED 1 EVERGREEN TREES PROVIDED 16 SHRUBS PROVIDED
6-305-D.4 - LANDSCAPE BUFFERYARDS - RESIDENTIAL ADJACENT TO NON-RESIDENTIAL (WAREHOUSE), NORTH PROPERTY LINE (BUFFER TYPE 2)	4 SHADE TREES, 2 EVERGREEN OR ORNAMENTAL TREE, AND 18 SHRUBS PER 100' CORRIDOR LENGTH: 280 LF 280 / 100 = 2.8 2.8 X 4 = (11.2) 11 SHADE TREES 2.8 X 2 = (5.6) 6 EVERGREEN TREES 2.8 X 18 = (50.4) 50 SHRUBS	11 SHADE TREES PROVIDED 6 EVERGREEN TREES PROVIDED 50 SHRUBS PROVIDED

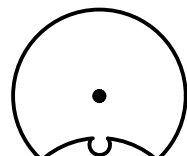

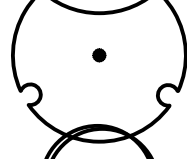
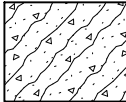
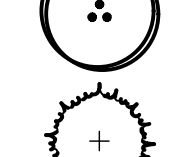
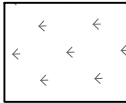
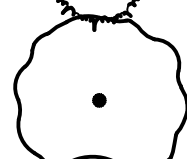



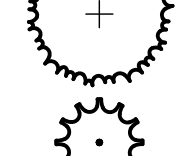

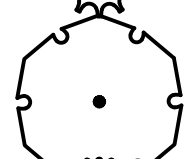

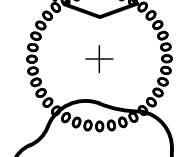
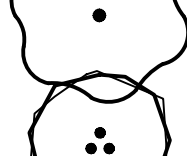
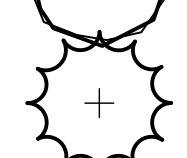
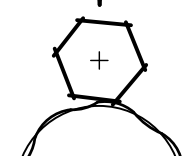
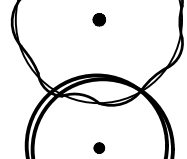

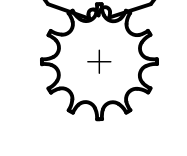
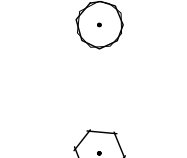
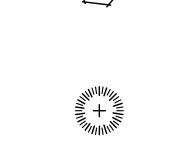
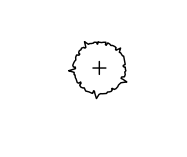
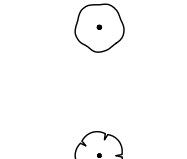
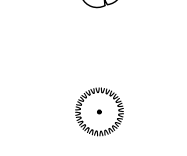
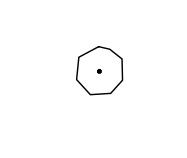
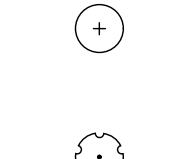
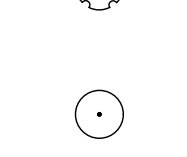
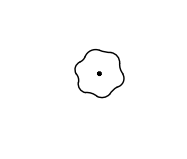


6-305-D.4 - LANDSCAPE BUFFERYARDS - NON-RESIDENTIAL ADJACENT TO PARK/OPEN SPACE), NORTH PROPERTY LINE (BUFFER TYPE 2)	4 SHADE TREES, 2 EVERGREEN OR ORNAMENTAL TREE, AND 16 SHRUBS PER 100' LENGTH: 342 LF 342 / 100 = 3.42 3.42 X 4 = (13.68) 14 SHADE TREES 3.42 X 2 = (6.84) 7 EVERGREEN TREES 3.42 X 18 = (61.56) 62 SHRUBS	14 SHADE TREES PROVIDED 7 EVERGREEN TREES PROVIDED 62 SHRUBS PROVIDED
6-305-D.4 - LANDSCAPE BUFFERYARDS - NON-RESIDENTIAL (HOTEL) ADJACENT TO RESIDENTIAL, EAST PROPERTY LINE (BUFFER TYPE 2)	4 SHADE TREES, 2 EVERGREEN OR ORNAMENTAL TREE, AND 16 SHRUBS PER 100' LENGTH: 140 LF 140 / 100 = 1.4 1.4 X 4 = (5.6) 6 SHADE TREES 1.4 X 2 = (2.8) 3 EVERGREEN TREES 1.4 X 18 = (25.2) 25 SHRUBS	6 SHADE TREES PROVIDED 3 EVERGREEN TREES PROVIDED 25 SHRUBS PROVIDED
6-305-D.4 - LANDSCAPE BUFFERYARDS - NON-RESIDENTIAL (WAREHOUSE) ADJACENT TO NON-RESIDENTIAL (HOTEL), EAST PROPERTY LINE (BUFFER TYPE 1)	3 SHADE TREES, 1 EVERGREEN OR ORNAMENTAL TREE, AND 16 SHRUBS PER 100' LENGTH: 107 LF 107 / 100 = 1.07 1.07 X 3 = 3 SHADE TREES 1.07 X 1 = 1 EVERGREEN TREES 1.07 X 16 = 17 SHRUBS	3 SHADE TREES PROVIDED 1 EVERGREEN TREES PROVIDED 17 SHRUBS PROVIDED
6-305-D.4 - LANDSCAPE BUFFERYARDS - NON-RESIDENTIAL (LIMITED RETAIL) ADJACENT TO NON-RESIDENTIAL (HOTEL), NORTH PROPERTY LINE (BUFFER TYPE 1)	3 SHADE TREES, 1 EVERGREEN OR ORNAMENTAL TREE, AND 16 SHRUBS PER 100' LENGTH: 368 LF 368 / 100 = 3.68 3.68 X 3 = (11.04) 6 SHADE TREES 3.68 X 1 = (3.68) 4 EVERGREEN TREES 3.68 X 16 = (58.88) 59 SHRUBS	11 SHADE TREES PROVIDED 4 EVERGREEN TREES PROVIDED 59 SHRUBS PROVIDED
6-305-D.5.a - FOUNDATION LANDSCAPING	A MINIMUM 10' WIDE ON AVERAGE FOUNDATION LANDSCAPE AREA ALONG 100% OF ALL BUILDING FACADES FRONTING PUBLIC STREETS, EXCEPT WHERE BUILDING ACCESS WALKWAYS / DRIVEWAYS OR EMERGENCY SERVICE CONNECTIONS ARE NECESSARY. A MINIMUM 7' WIDE FOUNDATION LANDSCAPE AREA SHALL BE PROVIDED ALONG 50% OF ALL BUILDING FACADES NOT FRONTING A PUBLIC STREET, EXCEPT WHERE BUILDING ACCESS WALKWAYS / DRIVEWAYS OR EMERGENCY SERVICE CONNECTIONS ARE NECESSARY. ON AVERAGE, A MINIMUM OF 1 ORNAMENTAL TREE AND SIXTEEN SHRUBS OR ORNAMENTAL GRASSES FOR EVERY 100' OF BUILDING FACE.	10' WIDE AVERAGE FOUNDATION LANDSCAPE AREA ALONG BUILDING FACADES FRONTING PUBLIC STREETS, 7' WIDE AVERAGE FOUNDATION AREA ALONG 100% OF BUILDING FACADES NOT FRONTING A PUBLIC STREET. SEE ENLARGEMENT SHEET PLANS L2.1-L2.4
6-305-D.8 - STORM WATER MANAGEMENT AREA LANDSCAPE - NORTH TOWNHOME DETENTION AREA	1 SHADE TREE PER 100 LF OF BASIN PERIMETER. 1 UNDERSTORY TREE PER 200 LF OF BASIN PERIMETER. 3 SHRUBS PER 50 LF OF BASIN PERIMETER. TOTAL BASIN PERIMETER = 1,000 LF 1,000 / 100 = 10 SHADE TREES 1,000 / 200 = 5 UNDERSTORY TREES 1,000 / 50 = 20 X 3 = 60 SHRUBS	10 SHADE TREES 5 UNDERSTORY TREES 60 SHRUBS
6-305-D.8 - STORM WATER MANAGEMENT AREA LANDSCAPE - SOUTH TOWNHOME DETENTION AREA	1 SHADE TREE PER 100 LF OF BASIN PERIMETER. 1 UNDERSTORY TREE PER 200 LF OF BASIN PERIMETER. 3 SHRUBS PER 50 LF OF BASIN PERIMETER. TOTAL BASIN PERIMETER = 190 LF 190 / 100 = 2 SHADE TREES 190 / 200 = 1 UNDERSTORY TREES 190 / 50 = 3.8 X 3 = 12 SHRUBS	2 SHADE TREES 1 UNDERSTORY TREES 12 SHRUBS
6-305-D.8 - STORM WATER MANAGEMENT AREA LANDSCAPE - SOUTH OF HOTEL PARKING LOT DETENTION AREA	1 SHADE TREE PER 100 LF OF BASIN PERIMETER. 1 UNDERSTORY TREE PER 200 LF OF BASIN PERIMETER. 3 SHRUBS PER 50 LF OF BASIN PERIMETER. TOTAL BASIN PERIMETER = 414 LF 414 / 100 = 5 SHADE TREES 414 / 200 = 3 UNDERSTORY TREES 414 / 50 = 8.28 X 3 = 25 SHRUBS	5 SHADE TREES 3 UNDERSTORY TREES 25 SHRUBS
6-305-D.8 - STORM WATER MANAGEMENT AREA LANDSCAPE - WEST OF COMMERCIAL PARKING LOT DETENTION AREA (NORTH SIDE)	1 SHADE TREE PER 100 LF OF BASIN PERIMETER. 1 UNDERSTORY TREE PER 200 LF OF BASIN PERIMETER. 3 SHRUBS PER 50 LF OF BASIN PERIMETER. TOTAL BASIN PERIMETER = 1,340 LF 1,340 / 100 = 14 SHADE TREES 1,340 / 200 = 7 UNDERSTORY TREES 1,340 / 50 = 26.8 X 3 = 81 SHRUBS	14 SHADE TREES 7 UNDERSTORY TREES 81 SHRUBS
6-305-D.8 - STORM WATER MANAGEMENT AREA LANDSCAPE - WEST OF COMMERCIAL PARKING LOT DETENTION AREA (SOUTH SIDE)	1 SHADE TREE PER 100 LF OF BASIN PERIMETER. 1 UNDERSTORY TREE PER 200 LF OF BASIN PERIMETER. 3 SHRUBS PER 50 LF OF BASIN PERIMETER. TOTAL BASIN PERIMETER = 1,040 LF 1,040 / 100 = 11 SHADE TREES 1,040 / 200 = 6 UNDERSTORY TREES 1,040 / 50 = 20.8 X 3 = 63 SHRUBS	11 SHADE TREES 6 UNDERSTORY TREES 63 SHRUBS

<div><div><div></div><div></div></div><div><div>LANDSCAPE</div><div>NOTES AND</div><div>CALCULATIONS</div></div><div><div>ORLAND RIDGE</div><div>LAGRANGE ROAD &amp; 171ST STREET</div><div>ORLAND PARK, IL 60487</div></div></div>	ORIGINAL ISSUE: 07/13/2018			
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<div><div>SCALE:</div><div>AS NOTED</div></div> <div><div>DESIGNED BY: TRE</div><div>DRAWN BY: JDC</div><div>CHECKED BY: WAW</div></div>				
<div><div><div>Kimley»Horn</div><div>© 2019 KIMLEY-HORN AND ASSOCIATES, INC. 1000 N. LAUREL ROAD, SUITE 300, LIBLE, IL 60534 TEL: 630.234.1100 WWW.KIMLEY-HORN.COM</div></div><div><div>REVISD PER VILLAGE COMMENTS</div><div>REVISD PER VILLAGE COMMENTS</div><div>REVISD PER VILLAGE COMMENTS</div></div></div>				



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CONCEPT PLANT SCHEDULE

	PARKWAY SHADE TREES	388		PARKING LOT SHRUB	
	PARKING LOT/INTERIOR TREES	74		PERENNIALS AND GRASSES	
	FOUNDATION ORNAMENTAL TREES	344		EMERGENT WETLAND PLUG MIX	
	FOUNDATION EVERGREEN TREES	91		WET-MESIC PRAIRIE SEED MIX	
	CORRIDOR SHADE TREES	135		MESIC LOW-PROFILE PRAIRIE SEED MIX	
	CORRIDOR ORNAMENTAL TREES	83		NO-MOW TURF SEED MIX	
	CORRIDOR EVERGREEN TREES	58		RESTORED WETLAND WET-MESIC PRAIRIE SEED MIX	
	CORRIDOR SMALL EVERGREEN	41	WET-MESIC PRAIRIE SEED MIX		
	BUFFERYARD SHADE TREES	50			
	BUFFERYARD EVERGREEN TREES	21			
	AMENITY AREA CANOPY TREES	1			
	AMENITY AREA ORNAMENTAL TREES	42			
	AMENITY AREA EVERGREEN TREES	61			
	AMENITY AREA SMALL EVERGREEN TREE	13			
	DETENTION AREA CANOPY TREES	38			
	DETENTION AREA ORNAMENTAL TREES	22			
	4" CAL. REPLACEMENT TREE	92			
	EVERGREEN TREE	40			
	FOUNDATION SMALL SHRUB	3,409			
	FOUNDATION LARGE SHRUB	963			
	FOUNDATION ORNAMENTAL GRASS	2,353			
	FOUNDATION EVERGREEN SHRUB	77			
	BUFFERYARD LARGE SHRUB	246			
	CORRIDOR SHRUBS	201			
	CORRIDOR GRASSES	170			
	AMENITY AREA LARGE SHRUB	49			
	AMENITY AREA SMALL AHRUB	127			
	DETENTION AREA SHRUBS LARGE	227			
	PARKING LOT SCREEN SHRUB	192			
	PARKING LOT SHRUB	240			

BOTANICAL NAME	COMMON NAME	LBS / ACRE	% OF TOTAL
GRASSES, SEDGES, & RUSHES			
Bouteloua curtipendula	Side Oats Grama	2.0	6.7%
Bromus ciliatus	Fringed Brome	1.0	3.3%
Bromus pubescens	Woodland Brome	1.0	3.3%
Carex lurida	Bottlebrush Sedge	1.0	3.3%
Carex vulpinoidea	Brown Fox Sedge	1.0	3.3%
Elymus canadensis	Canada Wild Rye	3.5	11.7%
Elymus hystrix	Bottle Brush Grass	1.0	3.3%
Elymus riparius	Riverbank Wild Rye	1.0	3.3%
Elymus virginicus	Virginia Wild Rye	3.0	10.0%
Glyceria striata	Fowl Manna Grass	1.0	3.3%
Juncus effusus	Common Rush	2.0	6.7%
Juncus torreyi	Torrey's Rush	0.5	1.7%
Leersia oryzoides	Rice Cut Grass	2.5	8.3%
Panicum virgatum	Switch Grass	3.0	10.0%
Puccinellia pallida	Pale Manna Grass	0.5	1.7%
Scirpus atrovirens	Dark Green Rush	1.0	3.3%
Scirpus cyperinus	Wool Grass	0.5	1.7%
Scirpus validus	Great Bulrush	0.5	1.7%
Zizania aquatica	Wild Rice	1.0	3.3%
TOTAL LBS PER ACRE:		27	90.0%
FORBS & BROADLEAVES			
Anemone cylindrical	Thimbleweed	0.05	0.2%
Asclepias tuberosa	Butterfly Milkweed	0.25	0.8%
Aster ericoides	Heath Aster	0.05	0.2%
Aster laevis	Smooth Blue Aster	0.10	0.3%
Aster novae-angliae	New England Aster	0.10	0.3%
Coreopsis palmate	Prairie Coreopsis	0.20	0.7%
Echinacea purpurea	Purple Coneflower	0.35	1.2%
Eryngium yuccifolium	Rattlesnake Master	0.15	0.5%
Kuhnia eupatorioides	False Boneset	0.05	0.2%
Monarda fistulosa	Wild Bergamot	0.10	0.3%
Parthenium integrifolium	Wild Quinine	0.10	0.3%
Penstemon candidum	White Prairie Clover	0.15	0.5%
Pycnanthemum virginianum	Mountain Mint	0.15	0.5%
Ratibida pinnata	Yellow Coneflower	0.35	1.2%
Rudbeckia hirta	Black-Eyed Susan	0.40	1.3%
Rudbeckia subtomentosa	Sweet Black-Eyed Susan	0.10	0.3%
Tradescantia ohiensis	Spiderwort	0.25	0.8%
Vernonia spp.	Ironweed	0.10	0.3%
FORBS & BROADLEAVES LBS PER ACRE:		3	10.0%
SEED MIX TOTAL LBS PER ACRE:			
30			
TEMPORARY COVER			
Avena sativa	Common Oat	200	67%
Lolium multiflorum	Annual Rye	100	33%
TEMPORARY COVER LBS PER ACRE:		300	

BOTANICAL NAME	COMMON NAME	LBS / ACRE	% OF TOTAL
GRASSES, SEDGES, & RUSHES			
Lolium perenne	Perennial Rye	25.0	8%
Agrostis gigantea	Red Top	15.0	5%
Festuca rubra	Creeping Red Fescue	200.0	67%
Festuca arundinacea	Tall Fescue	60.0	20%
SEED MIX TOTAL LBS PER ACRE:		300	

EMERGENT WETLAND SEED MIX

BOTANICAL NAME	COMMON NAME	LBS / ACRE	% OF TOTAL
Acorus calamus	Sweet Flag	15	5%
Asclepias incarnata	Swamp Milkweed	15	5%
Iris virginica	Iris	15	5%
Lobelia siphilitica	Great Blue Lobelia	15	5%
Lythrum alatum	Winged Loosestrife	10	3%
Polygonum amphibium	Knotweed	25	8%
Pontedaria cordata	Pickernel Plant	25	8%
Rudbeckia laciniata	Cut Leaf Coneflower	15	5%
Sagittaria latifolia	Arrowhead	15	5%
Scirpus acutus	Hard Stemmed Bulrush	25	8%
Scirpus atrovirens	Dark Green Bulrush	25	8%
Scirpus fluvialis	River Bulrush	25	8%
Solidago riddellii	Riddell's Goldenrod	10	3%
Sparganium americanum	Bur Reed	25	8%
Symphyotrichum puniceum	Stemmed Aster	15	5%
Zizania aquatica	Wild Rice	25	8%
SEED MIX TOTAL LBS PER ACRE:		300	

MESIC LOW-PROFILE PRAIRIE SEED MIX

BOTANICAL NAME	COMMON NAME	LBS / ACRE	% OF TOTAL
GRASSES, SEDGES, & RUSHES			
Agrostis alba palustris	Bent grass	2.0	6.7%
Bouteloua curtipendula	Side-Oats Grama	6.0	20.0%
Calamagrostis canadensis	Bluejoint	2.0	6.7%
Carex vulpinoidea	Prairie Sedge	2.0	6.7%
Elymus canadensis	Canada Wild Rye	3.0	10.0%
Panicum virgatum	Switch Grass	4.0	13.3%
Schizachyrium scoparium	Little Bluestem	4.0	13.3%
Sporobolus heterolepis	Prairie Dropseed	3.0	10.0%
TOTAL LBS PER ACRE:		26	86.7%

FORBS & BROADLEAVES			
Asclepias tuberosa	Butterfly Weed	0.25	0.8%
Cassia fasciculata	Partridge Pea	0.50	1.7%
Coreopsis palmata	Prairie Coreopsis	0.25	0.8%
Echinacea purpurea	Purple Coneflower	0.75	2.5%
Liatris aspera	Rough Blazing Star	0.25	0.8%
Monarda fistulosa	Wild Bergamot	0.50	1.7%
Potentilla arguta	Prairie Cinquefoil	0.25	0.8%
Pycnanthemum virginianum	Virginia Mountain Mint	0.25	0.8%
Rudbeckia hirta	Black-Eyed Susan	0.75	2.5%
Solidago juncea	Early Goldenrod	0.25	0.8%
FORBS & BROADLEAVES LBS PER ACRE:		4	13.3%

SEED MIX TOTAL LBS PER ACRE:

30

TEMPORARY COVER			
Avena sativa	Common Oat	150	60%
Lolium multiflorum	Annual Rye	100	40%
TEMPORARY COVER LBS PER ACRE:		250	

NATURAL AREA NOTES

- VILLAGE REQUIRED MONITORING AND MAINTENANCE AGREEMENT TO BE SUBMITTED WITH FINAL LANDSCAPE PLANS
- ALL WORK DEEMED NATURAL AREA TO BE SEEDED OR PLANTED SHALL BE PERFORMED BY A NATURALS AREA CONTRACTOR WITH AT LEAST 5 YEARS OF DOCUMENTED EXPERIENCE IN SELECTIVE BRUSH CLEARING, PLANTING OF NATIVE SPECIES, AND NATURAL AREAS MANAGEMENT FOR THE PURPOSE OF ECOLOGICAL RESTORATION, AND SHALL BE ABLE TO DEMONSTRATE THERE KNOWLEDGE THROUGH REFERENCES AND IN THE FIELD.
  - SEED LIMIT LINES ARE APPROXIMATE. THE NATURAL AREAS CONTRACTOR SHALL SEED ALL AREAS WHICH ARE DISTURBED BY GRADING WITH THE SPECIFIED SEED MIXES. SEED MIXES ARE TO BE SOURCED RESPECTIVELY THROUGH THE SPECIFIED COMPANY ON PLANS. REQUESTS FOR COMPARABLE SEED MIXES ARE TO BE APPROVED BY THE LANDSCAPE ARCHITECT.
  - SEED, LIVE PLUGS, OR BARE ROOT PLANTS SHALL BE OBTAINED FROM SOURCES SPECIALIZING IN NATIVE SPECIES. SEED AND PLANT STOCK SHALL BE SOURCED NO MORE THAN 350 MILES FROM THE JOB SITE.
  - ALL SEED MIXES SHALL BE INSTALLED WITH A GRANULAR FORM OF ENDOMYCORRHIZAL INOCULUM PER THE SUPPLIERS SPECIFICATIONS. COVER CROP IS TO BE APPLIED TO ALL SEED MIXES CONSISTING ONLY OF AVENA SATIVA (SEED OATS) FOR SPRING INSTALLATIONS OR REGREEN (WHEAT HYBRID) FOR FALL PLANTINGS. NO OTHER COVER CROP IS TO BE USED ON SITE.
  - STANDARD EROSION CONTROL BLANKET SHALL BE APPLIED TO ALL SEEDED AREAS WITH SINGLE TO DOUBLE NET STRAW AND DOUBLE NET STRAW/COCONUT BLANKET HYDROSEEDING IS UNACCEPTABLE.
  - LIVE PLUG AND BARE ROOT INSTALLATION SHALL BE ACCOMPANIED BY GOOSE EXCLOSURE FOR UP TO 12 MONTHS AFTER INSTALLATION. NATURAL AREAS CONTRACTOR TO REMOVE AT OWN EXPENSE AFTER 12 MONTHS.
  - STEWARDSHIP OF THE NATURAL AREA SHALL BE CONDUCTED BY A NATURAL AREAS CONTRACTOR TO BEGIN IMMEDIATELY AFTER INSTALLATION FOR THREE YEARS.

LANDSCAPE NOTES

- THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING MATERIALS AND PLANTS SHOWN ON THE LANDSCAPE PLAN. THE CONTRACTOR IS RESPONSIBLE FOR THE COST TO REPAIR UTILITIES, ADJACENT LANDSCAPE, PUBLIC AND PRIVATE PROPERTY THAT IS DAMAGED BY THE CONTRACTOR OR THEIR SUBCONTRACTOR'S OPERATIONS DURING INSTALLATION OR DURING THE SPECIFIED MAINTENANCE PERIOD. CALL FOR UTILITY LOCATIONS PRIOR TO ANY EXCAVATION.
- THE CONTRACTOR SHALL REPORT ANY DISCREPANCY IN PLAN VS. FIELD CONDITIONS IMMEDIATELY TO THE LANDSCAPE ARCHITECT, PRIOR TO CONTINUING WITH THAT PORTION OF WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OF ANY OF THEIR TRENCHES OR EXCAVATIONS THAT SETTLE.
- ALL NURSERY STOCK SHALL BE WELL BRANCHED, HEALTHY, FULL, PRE-INOCULATED AND FERTILIZED. DECIDUOUS TREES SHALL BE FREE OF FRESH SCARS. TRUNKS WILL BE WRAPPED IF NECESSARY TO PREVENT SUN SCALD AND INSECT DAMAGE. THE LANDSCAPE CONTRACTOR SHALL REMOVE THE WRAP AT THE PROPER TIME AS A PART OF THIS CONTRACT.
- ALL NURSERY STOCK SHALL BE GUARANTEED, BY THE CONTRACTOR, FOR ONE YEAR FROM DATE OF FINAL INSPECTION.
- AMENDED SOIL SHALL BE PROVIDED AND GRADED BY THE GENERAL CONTRACTOR UP TO 6 INCHES BELOW FINISHED GRADE IN TURF AREAS AND 18 INCHES IN PLANTING AREAS.
- PLANTING AREA SOIL SHALL BE AMENDED WITH 25% SPHAGNUM PEATMOSS, 5% HUMUS AND 65% PULVERIZED SOIL FOR ALL SHRUB, ORNAMENTAL GRASS, PERENNIAL AND ANNUAL BEDS. AMENDED TURF AREA SOIL SHALL BE STANDARD TOPSOIL.
- SEED/SOD LIMIT LINES ARE APPROXIMATE. CONTRACTOR SHALL SEED/SOD ALL AREAS WHICH ARE DISTURBED BY GRADING WITH THE SPECIFIED SEED/SOD MIXES.
- CONTRACTOR SHALL INSTALL SHREDDED HARDWOOD MULCH AT A 3" DEPTH TO ALL TREES, SHRUB, PERENNIAL, AND GROUND COVER AREAS. TREES PLACED IN AREA COVERED BY TURF SHALL RECEIVE A 4 FT WIDE MAXIMUM TREE RING WITH 3" DEPTH SHREDDED HARDWOOD MULCH. A SPIDERWEB SHALL SEPARATE MULCH BEDS FROM TURF OR FINISHED AREAS. A SPADED EDGE IS NOT REQUIRED ALONG CURBED EDGES.
- WEED FABRIC SHALL ONLY BE APPLIED UNDER DECORATIVE STONE APPLICATIONS.
- INSTALLATION OF TREES WITHIN PARKWAYS SHALL BE COORDINATED IN THE FIELD WITH LOCATIONS OF UNDERGROUND UTILITIES. TREES SHALL NOT BE LOCATED CLOSER THAN 5' FROM UNDERGROUND UTILITY LINES AND NO CLOSER THAN 10' FROM UTILITY STRUCTURES.
- DO NOT DISTURB THE EXISTING PAVING, LIGHTING, OR LANDSCAPING THAT EXISTS ADJACENT TO THE SITE UNLESS OTHERWISE NOTED ON PLAN.
- PLANT QUANTITIES SHOWN ARE FOR THE CONVENIENCE OF THE OWNER AND JURISDICTIONAL REVIEW AGENCIES. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL PLANT QUANTITIES AS DRAWN.
- THE OWNER'S REPRESENTATIVE MAY REJECT ANY PLANT MATERIALS THAT ARE DISEASED, DEFORMED, OR OTHERWISE NOT EXHIBITING SUPERIOR QUALITY.
- THE CONTINUED MAINTENANCE OF ALL REQUIRED LANDSCAPING SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY ON WHICH SAID MATERIALS ARE REQUIRED. ALL PLANT MATERIALS REQUIRED BY THIS SECTION SHALL BE MAINTAINED AS LIVING VEGETATION AND SHALL BE PROMPTLY REPLACED IF THE PLANT MATERIAL HAS DIED PRIOR TO FINAL ACCEPTANCE. PLANTING AREAS SHALL BE KEPT FREE OF TRASH, LITTER, AND WEEDS AT ALL TIMES.

ALL DISTURBED AREAS WITHIN COUNTY ROW ARE TO BE RESTORED WITH 4" TOPSOIL AND SOD, OR AS APPROVED BY CCDOTH

RESTORED WETLAND WET-MESIC PRAIRIE SEED MIX

BOTANICAL NAME	COMMON NAME	LBS / ACRE	% OF TOTAL
GRASSES, SEDGES, & RUSHES			
Bouteloua curtipendula	Side Oats Grama	2.0	6.7%
Bromus ciliatus	Fringed Brome	1.0	3.3%
Bromus pubescens	Woodland Brome	1.0	3.3%
Carex lurida	Bottlebrush Sedge	1.0	3.3%
Carex vulpinoidea	Brown Fox Sedge	1.0	3.3%
Elymus canadensis	Canada Wild Rye	3.5	11.7%
Elymus hystrix	Bottle Brush Grass	1.0	3.3%
Elymus riparius	Riverbank Wild Rye	1.0	3.3%
Elymus virginicus	Virginia Wild Rye	3.0	10.0%
Glyceria striata	Fowl Manna Grass	1.0	3.3%
Juncus effusus	Common Rush	2.0	6.7%
Juncus torreyi	Torrey's Rush	0.5	1.7%
Leersia oryzoides	Rice Cut Grass	2.5	8.3%
Panicum virgatum	Switch Grass	3.0	10.0%
Puccinellia pallida	Pale Manna Grass	0.5	1.7%
Scirpus atrovirens	Dark Green Rush	1.0	3.3%
Scirpus cyperinus	Wool Grass	0.5	1.7%
Scirpus validus	Great Bulrush	0.5	1.7%
Zizania aquatica	Wild Rice	1.0	3.3%
TOTAL LBS PER ACRE:		27	90.0%

FORBS & BROADLEAVES			
Anemone cylindrical	Thimbleweed	0.05	0.2%
Asclepias tuberosa	Butterfly Milkweed	0.25	0.8%
Aster ericoides	Heath Aster	0.05	0.2%
Aster laevis	Smooth Blue Aster	0.10	0.3%
Aster novae-angliae	New England Aster	0.10	0.3%
Coreopsis palmate	Prairie Coreopsis	0.20	0.7%
Echinacea purpurea	Purple Coneflower	0.35	1.2%
Eryngium yuccifolium	Rattlesnake Master	0.15	0.5%
Kuhnia eupatorioides	False Boneset	0.05	0.2%
Monarda fistulosa	Wild Bergamot	0.10	0.3%
Parthenium integrifolium	Wild Quinine	0.10	0.3%
Penstemon candidum	White Prairie Clover	0.15	0.5%
Pycnanthemum virginianum	Mountain Mint	0.15	0.5%
Ratibida pinnata	Yellow Coneflower	0.35	1.2%
Rudbeckia hirta	Black-Eyed Susan	0.40	1.3%
Rudbeckia subtomentosa	Sweet Black-Eyed Susan	0.10	0.3%
Tradescantia ohiensis	Spiderwort	0.25	0.8%
Vernonia spp.	Ironweed	0.10	0.3%
FORBS & BROADLEAVES LBS PER ACRE:		3	10.0%

SEED MIX TOTAL LBS PER ACRE:

30

TEMPORARY COVER			
Avena sativa	Common Oat	200	67%
Lolium multiflorum	Annual Rye	100	33%
TEMPORARY COVER LBS PER ACRE:		300	



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ORIGINAL ISSUE:  
07/13/2018

KHA PROJECT NO.  
168626000

SHEET NUMBER

L3.1

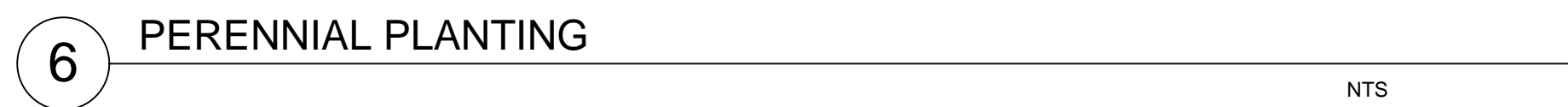
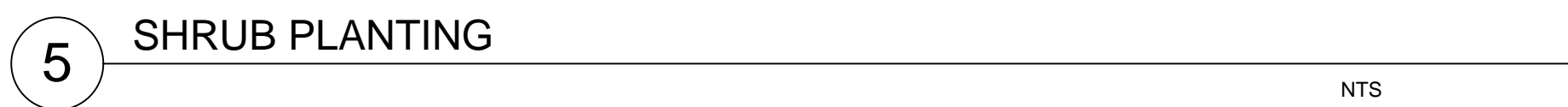
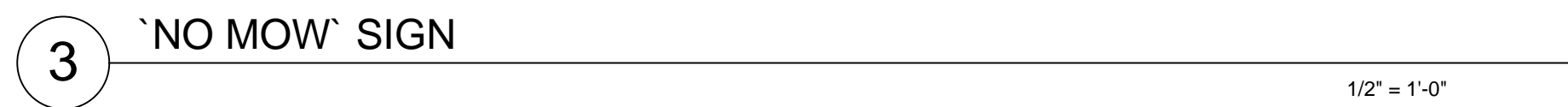
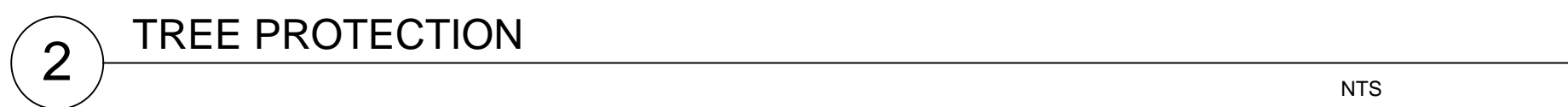
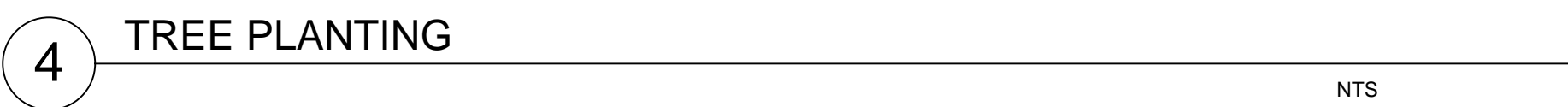
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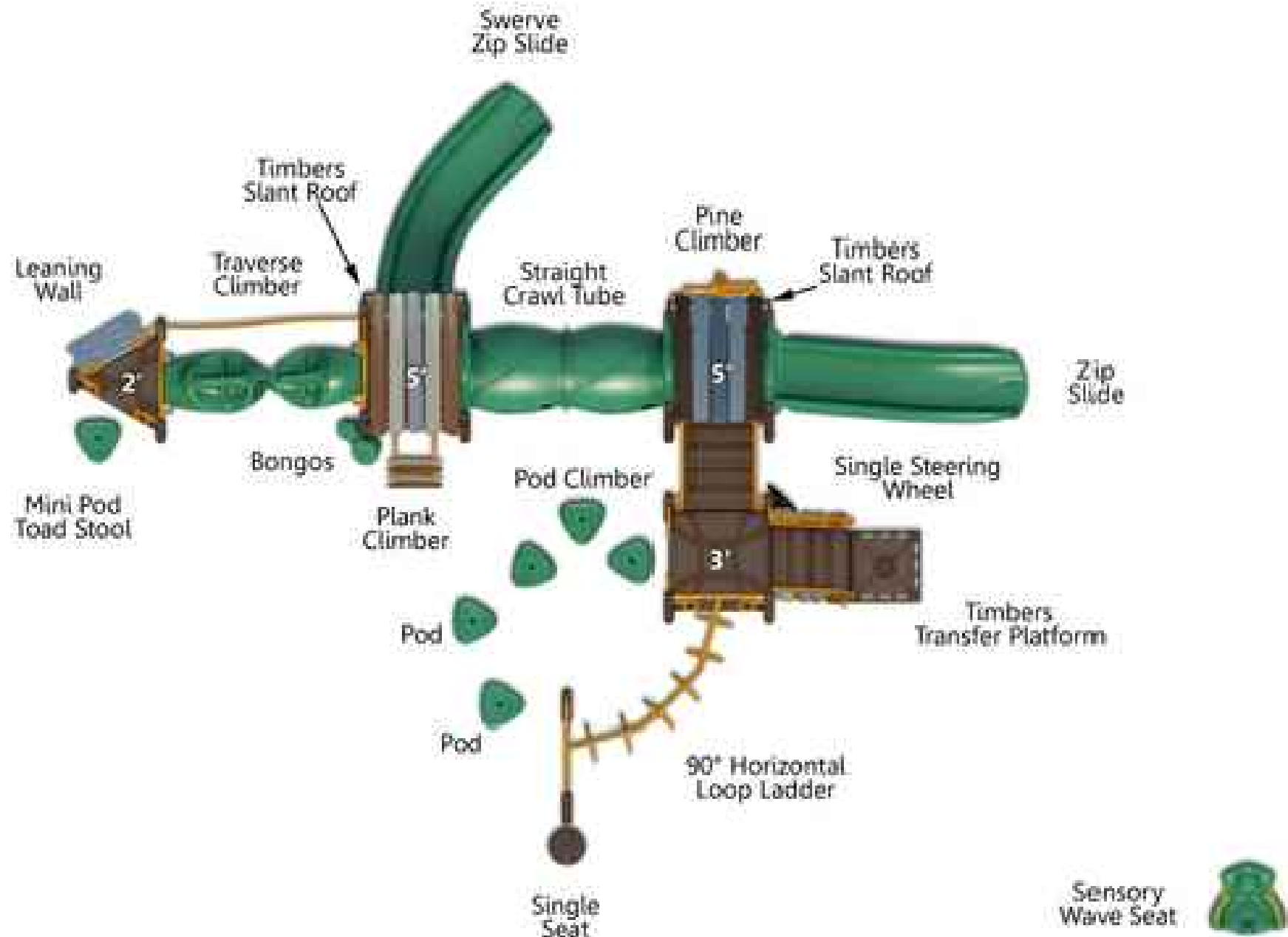






Drawing name: \\kimley-horn.com\\WML\\CHS\\LDE\\168626000\_SR Jacobson\_Orland Park, IL\\2 Design\\CAD\\PlanSheet\\L4.2 LANDSCAPE DETAILS.dwg L4.2 PLAYGROUND & FITNESS DETAILS Feb 06, 2019 10:41am by Jesse Cornell

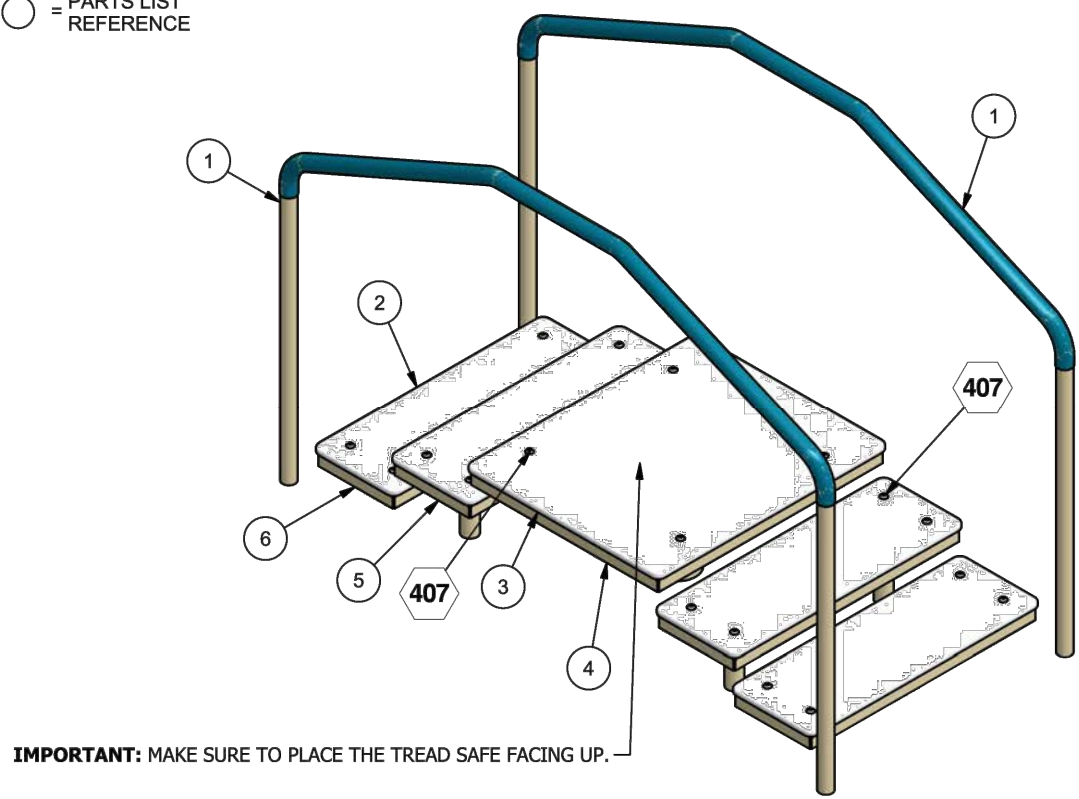
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1 AGE 5-12 YEAR - PLAY SET

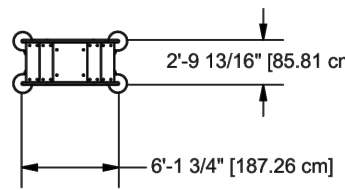
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○ = INSTALLATION  
DETAIL  
○ = PARTS LIST  
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IMPORTANT: MAKE SURE TO PLACE THE TREAD SAFE FACING UP.

ASSEMBLY DRAWING

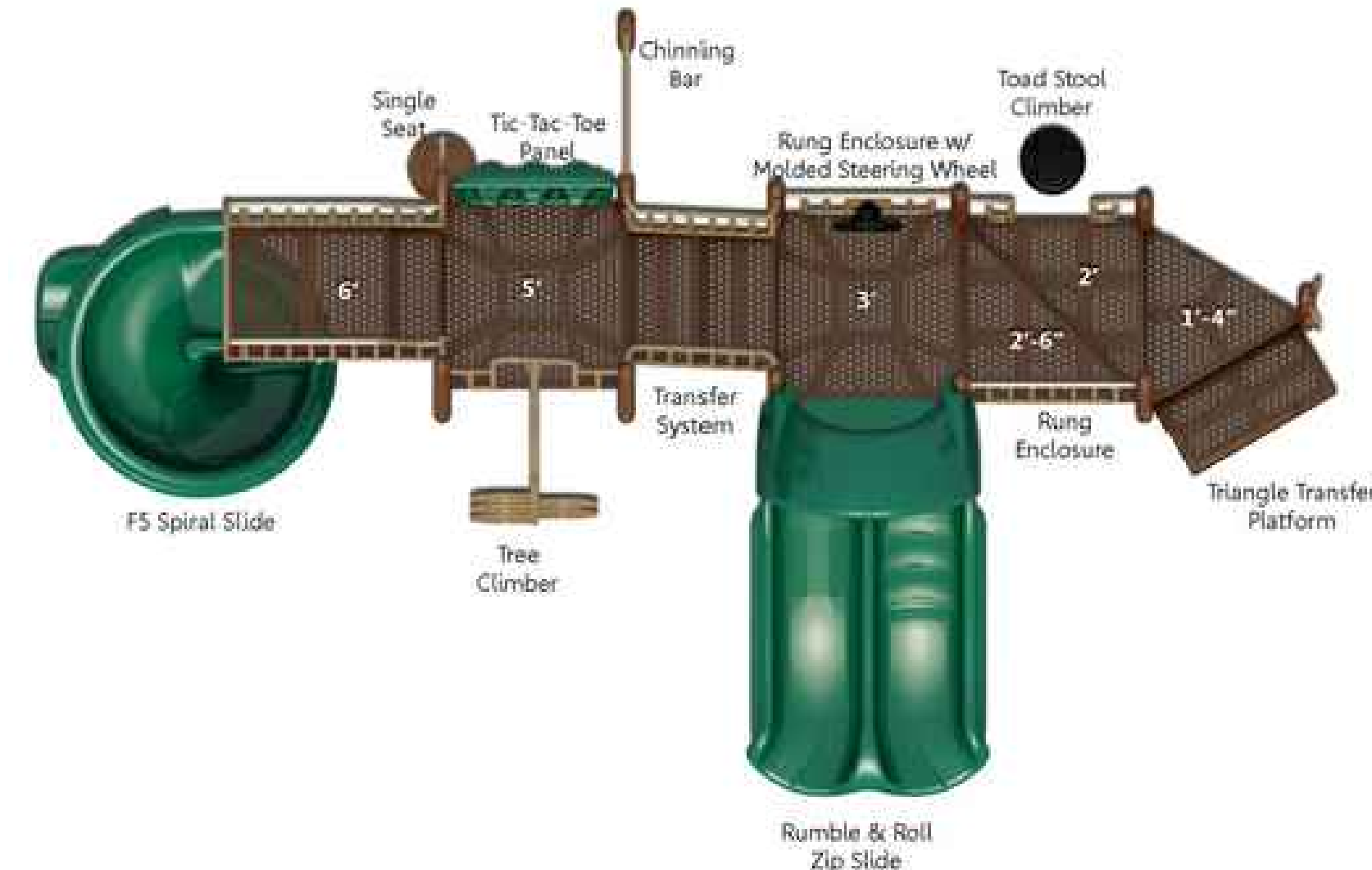


TOP VIEW

NOTE:  
MINIMUM OF ONE USAGE/WARNING LABEL  
SIGN POST (13565) MUST BE USED WITH EACH  
ASSISTED STEP TRAINER. SEE SIGN POST  
INSTALLATION SHEET FOR INSTALLATION DETAILS.  
SIGN POST MUST BE OUTSIDE MAXIMUM SPACE IN WHICH  
THE USER AND EXERCISE EQUIPMENT COMPONENTS  
TRAVERSE WHEN THE EQUIPMENT IS OPERATED.

4 GAMETIME 14901 - ASSISTED STEP TRAINER

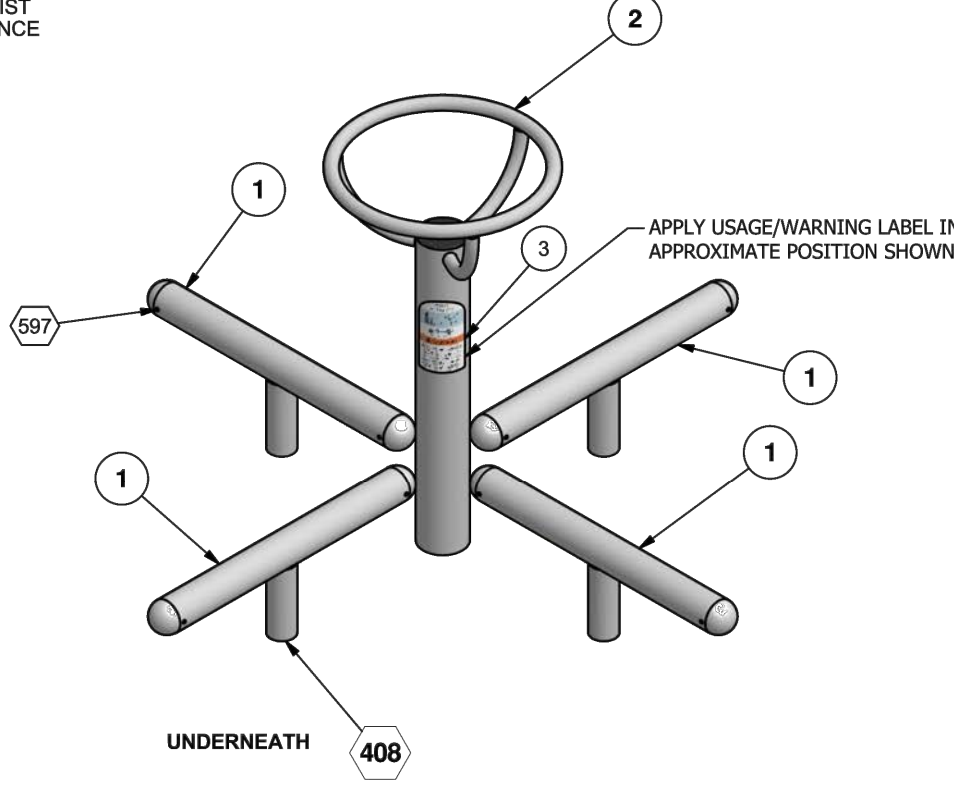
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2 AGE 2-5 YEAR - PLAY SET

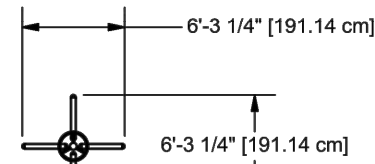
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APPLY USAGE/WARNING LABEL IN  
APPROXIMATE POSITION SHOWN

ASSEMBLY DRAWING

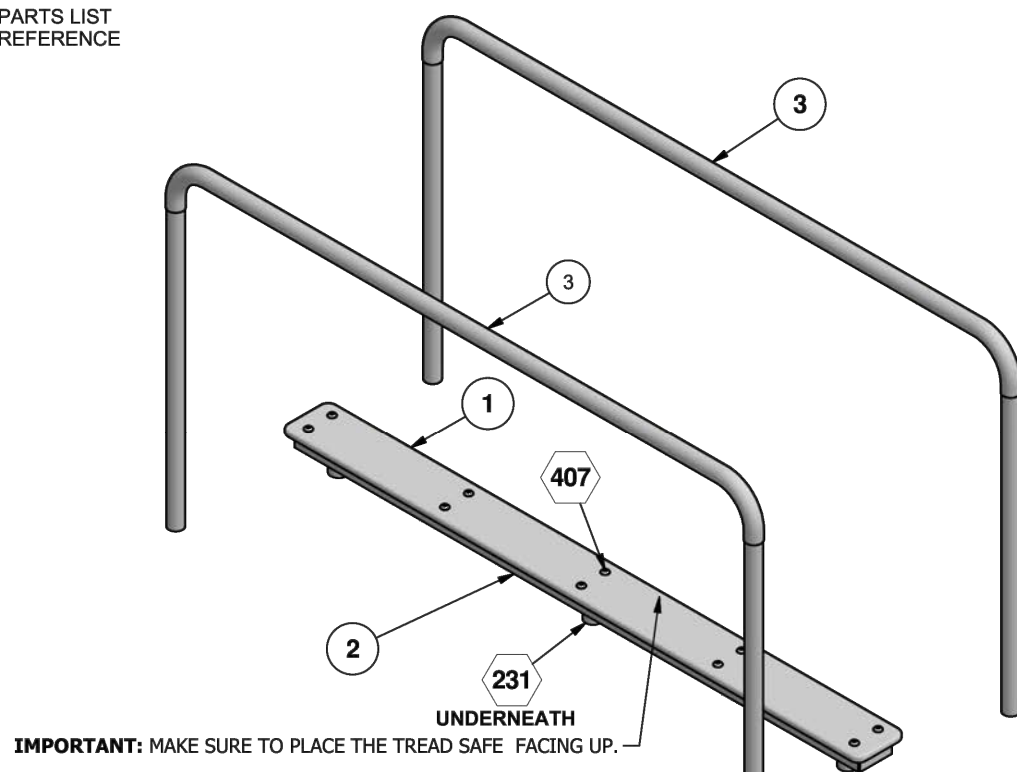


TOP VIEW

5 GAMETIME 14903 - STEP AROUND STATION

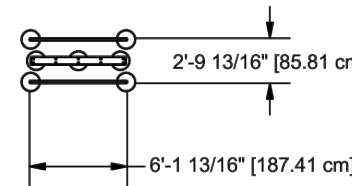
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IMPORTANT: MAKE SURE TO PLACE THE TREAD SAFE FACING UP.

ASSEMBLY DRAWING



TOP VIEW

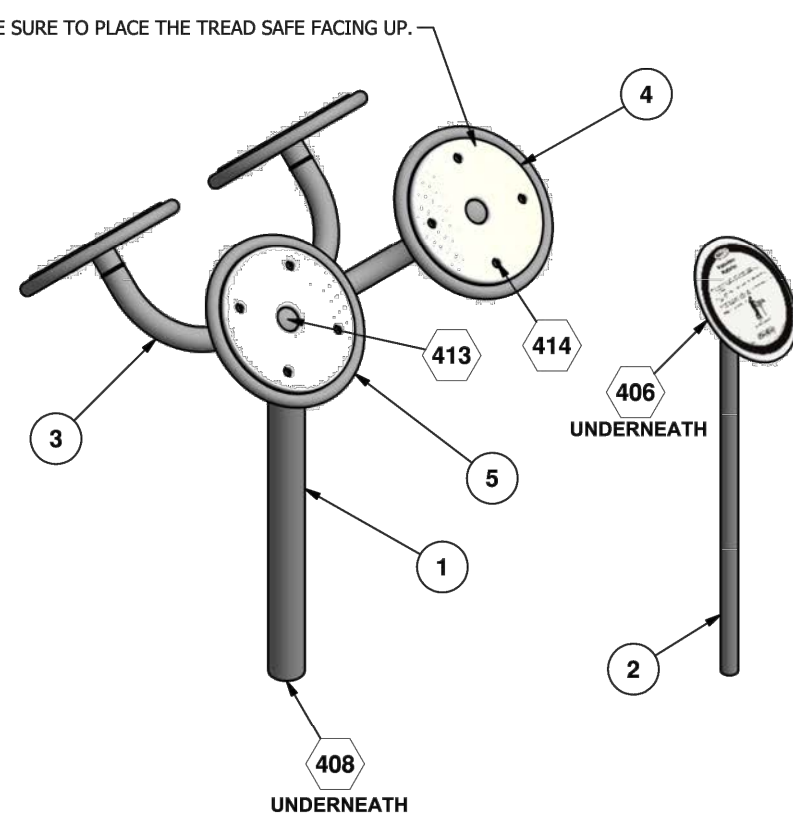
NOTE:  
MINIMUM OF ONE USAGE/WARNING LABEL  
SIGN POST (13565) MUST BE USED WITH EACH  
ASSISTED BALANCE WALK. SEE SIGN POST  
INSTALLATION SHEET FOR INSTALLATION DETAILS.  
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TRAVERSE WHEN THE EQUIPMENT IS OPERATED.

3 GAMETIME 14900 - ASSISTED BALANCE WALK

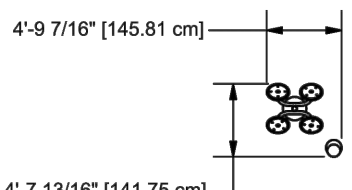
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IMPORTANT: MAKE SURE TO PLACE THE TREAD SAFE FACING UP.



ASSEMBLY DRAWING



TOP VIEW

6 GAMETIME 14905 - SHOULDER ROTATOR

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PLAYGROUND  
& FITNESS  
DETAILS

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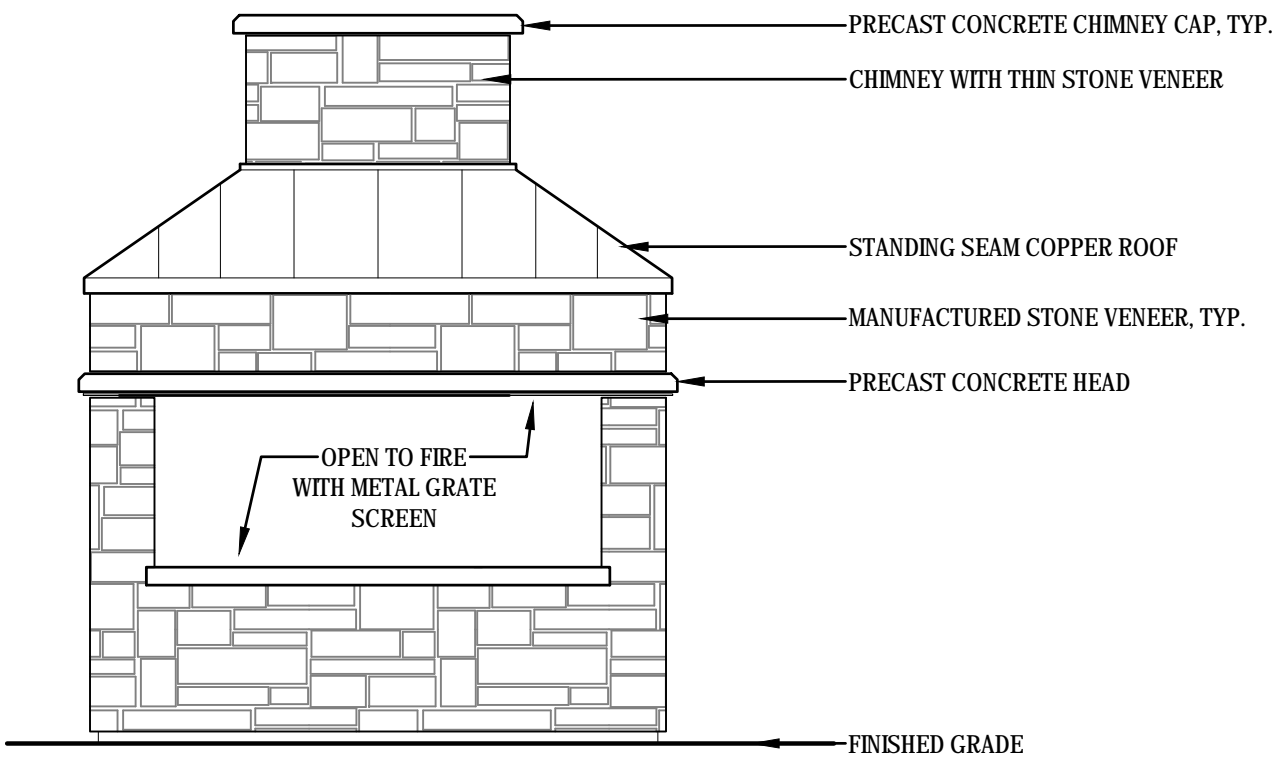
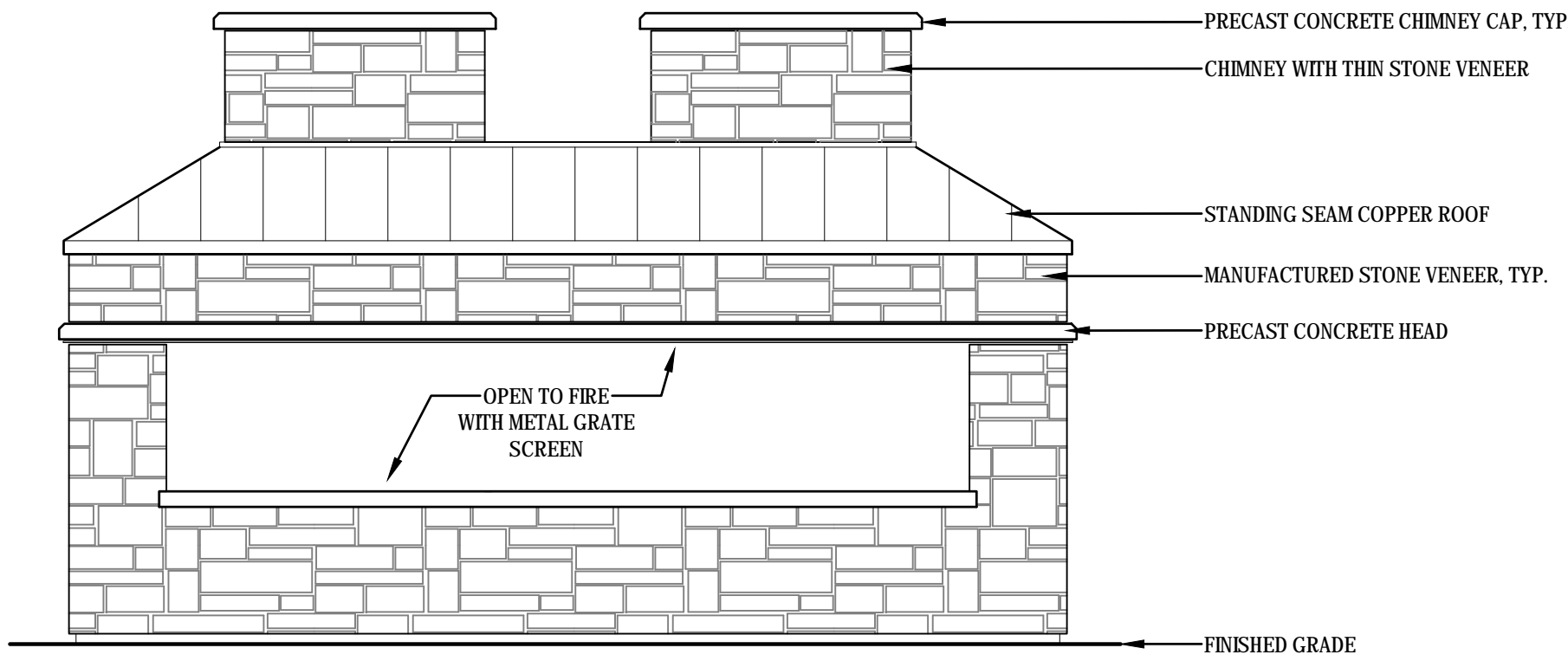
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KHA PROJECT NO.  
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L4.2

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NO. DATE BY  
1 02/06/19 WAW  
2 01/07/19 WAW  
3 11/16/18 WAW

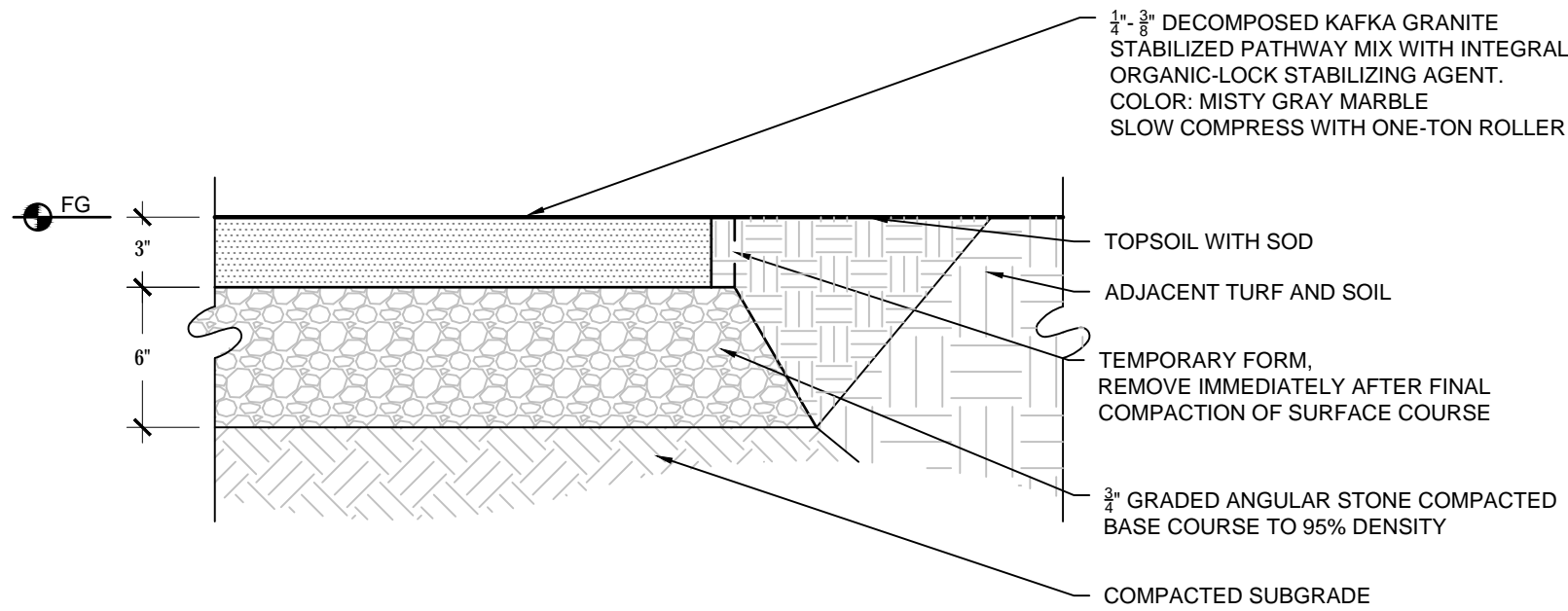


Drawing name: \\kimley-horn.com\\WML\_OHS\\CHS\_LDE\\168626000\_SR Jacobson\_Orland Park, IL\\2 Design\\CAD\\PlanSheets\\L4.0 - LANDSCAPE DETAILS.dwg L4.3 COMMERCIAL AREA AMENITIES AND DETAILS Feb 08, 2019 10:41am by jesse.connell  
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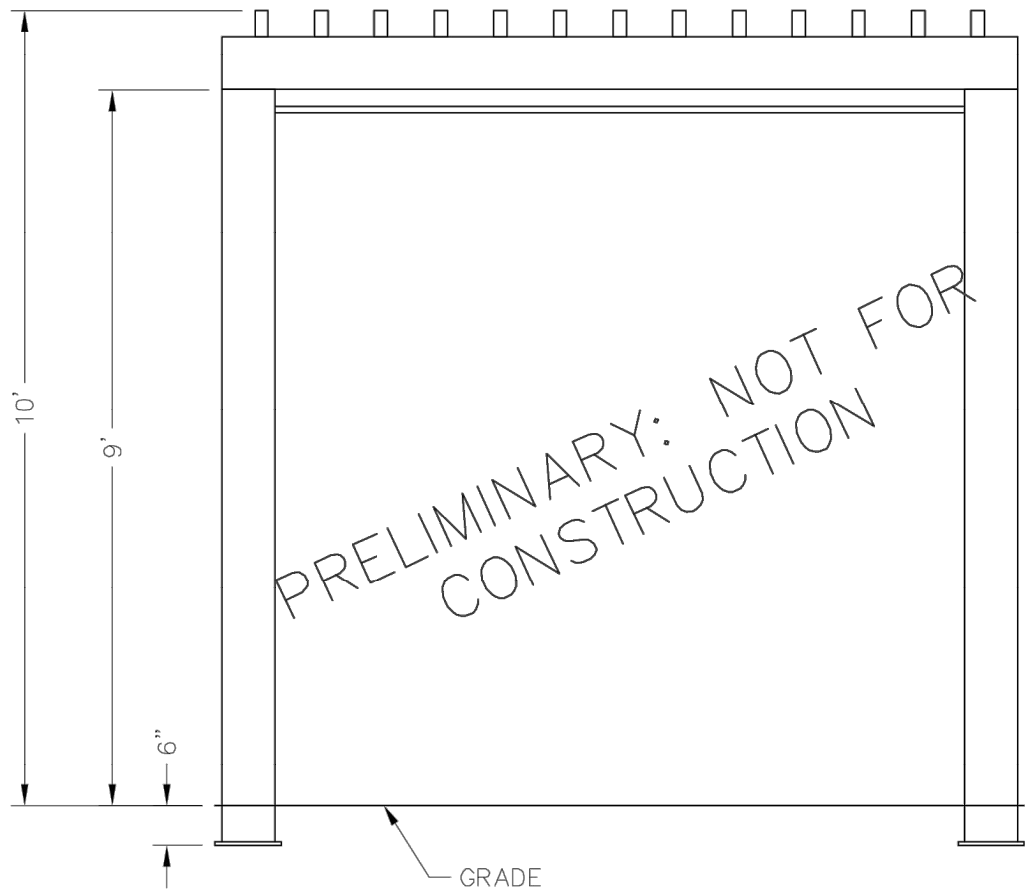
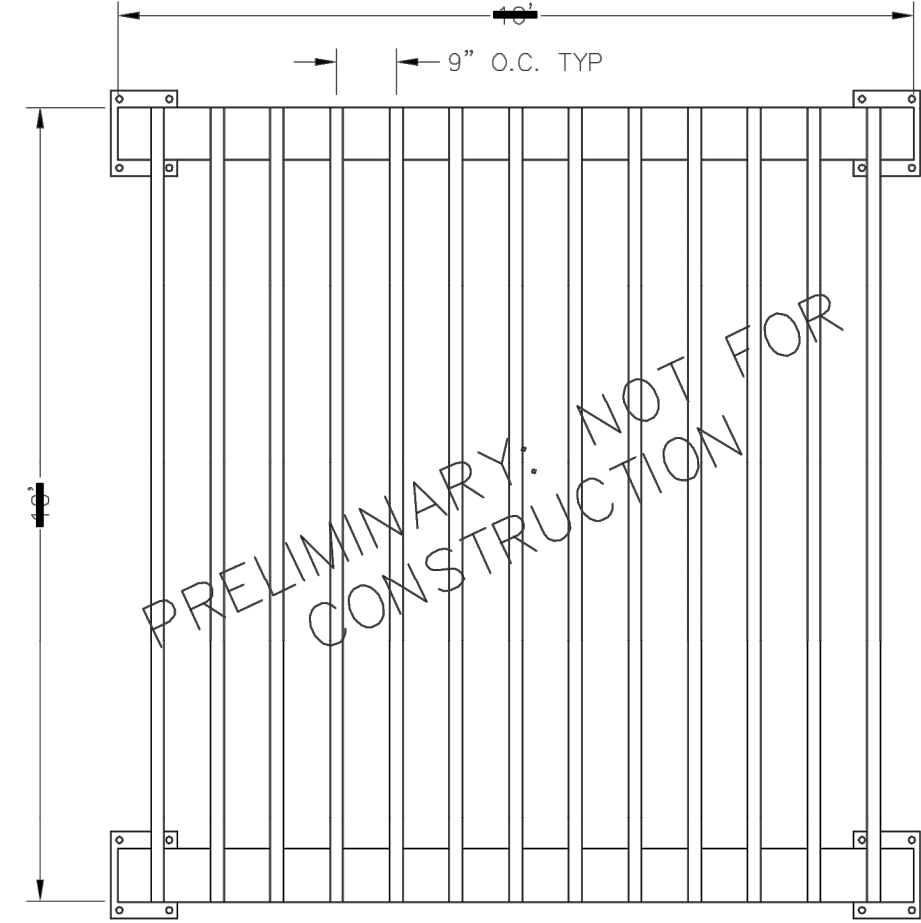
### 1 FIRE FEATURE CONCEPT ELEVATIONS

3/8" = 1'-0"



### 3 DECOMPOSED GRANITE

1 1/2" = 1'-0"



### 4 ICON - PERGOLA

NTS



### 2 FIRE FEATURE CONCEPT

NTS



- Ride™ Bike Rack**
- Capacity: 2 bikes
  - Surface mount or embedded to concrete surface.
  - Requires only two bolts to mount, with extra surface mount anchor hole provided.
  - 4 stainless steel leveling glides within the base are provided for fine adjustment from top side of base.
  - Cover plate over bike rack base provides seamless appearance.
  - Must be spaced 30" apart and 24" from a wall to meet APSP guidelines.

	STYLE	DEPTH	WIDTH	HEIGHT	PRODUCT WEIGHT
	bike rack	3.5'	28"	28"	50 lb
	backed w/o armrest	26 1/2"	60"	33 1/2"	Depth: 214 lb Arm: 90 lb
	30-gallon top-opening recirculating filter	15.5"	23.5"	37.5"	140 lb

- Rest™ Bench**
- Rest length is 80", longer than typical three-person benches.
  - Rest seat height is 18" and seat depth is 16".
  - Optional arms (available only on backed version)
  - End frames are joined using concealed mortise and tenon connections.
  - Available with one or two optional intermediate cast aluminum seat dividers/seatboard elements.
  - Equipped with "anti-glides;" cushioned plastic pads on the underside of the frame that keep the bench from moving under seated loads and protect the powdercoat finish from becoming scratched by concrete or floor.

- Collect™ Litter**
- All Collect receptacles have a cast aluminum frame and rotationally-molded polyethylene bin.
- Top-opening**
- 30-gallon capacity.
  - Freestanding or surface mount.
  - Freestanding version has a cast iron base.
  - Bin pivots open for emptying; bag is pulled out at a 35° angle.
  - Bag is attached by clips to inside of molded bin.
  - No divider rim.
  - Molded bin color comes standard in matte black; optional polyethylenecolors available.
  - Side latch with optional keyed lock.

### 5 LANDSCAPE FORMS - METRO40 SITE FIRNISHINGS

NTS



- Chill™**
- The Chill lounge is suitable for corporate, public and urban spaces.
  - Its sculptural form echoes the human body.
  - Constructed of rotationally molded polyethylene and has been impact tested at zero degrees Fahrenheit.
  - Chill strips fully assembled.

- Mounting Options**
- Chill lounge is shipped with removable surface mounting plates.
  - The lounge may be surface mounted to hard surfaces, or placed freestanding on all surfaces.

- Material**
- Rotationally molded polyethylene provides strong structure with integral color that stands up to heavy use and is easily cleaned.
  - Molded to a wall thickness of 5/16", Chill has withstood testing under 300 pound dropped weights.

	STYLE	LENGTH	WIDTH	HEIGHT	PRODUCT WEIGHT
	lounge	62"	28"	33"	60 lb
	surface mounting plate				

### 6 LANDSCAPE FORMS - 35 COLLECTION LOUNGE CHAIR

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LANDSCAPE ARCHITECTS  
**LORMAX STERN**

**COMMERCIAL  
AREA AMENITIES  
AND DETAILS**

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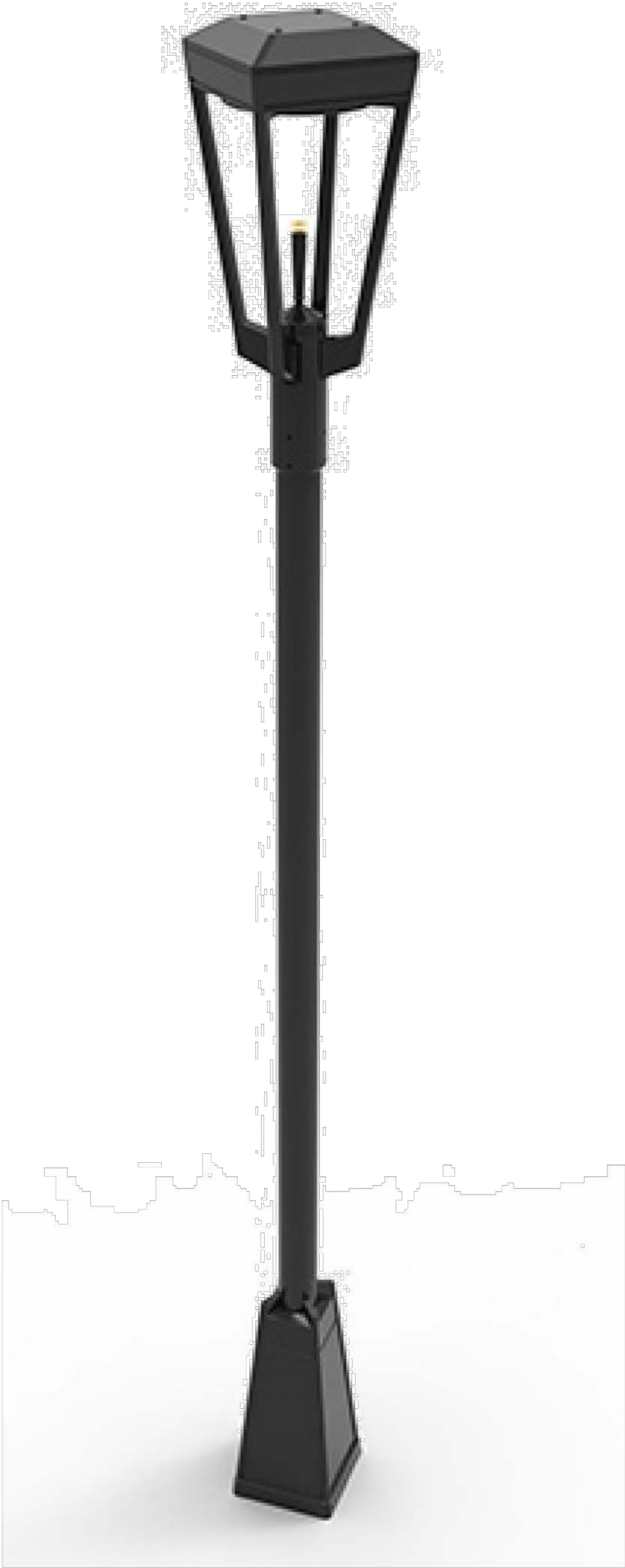
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**L4.3**

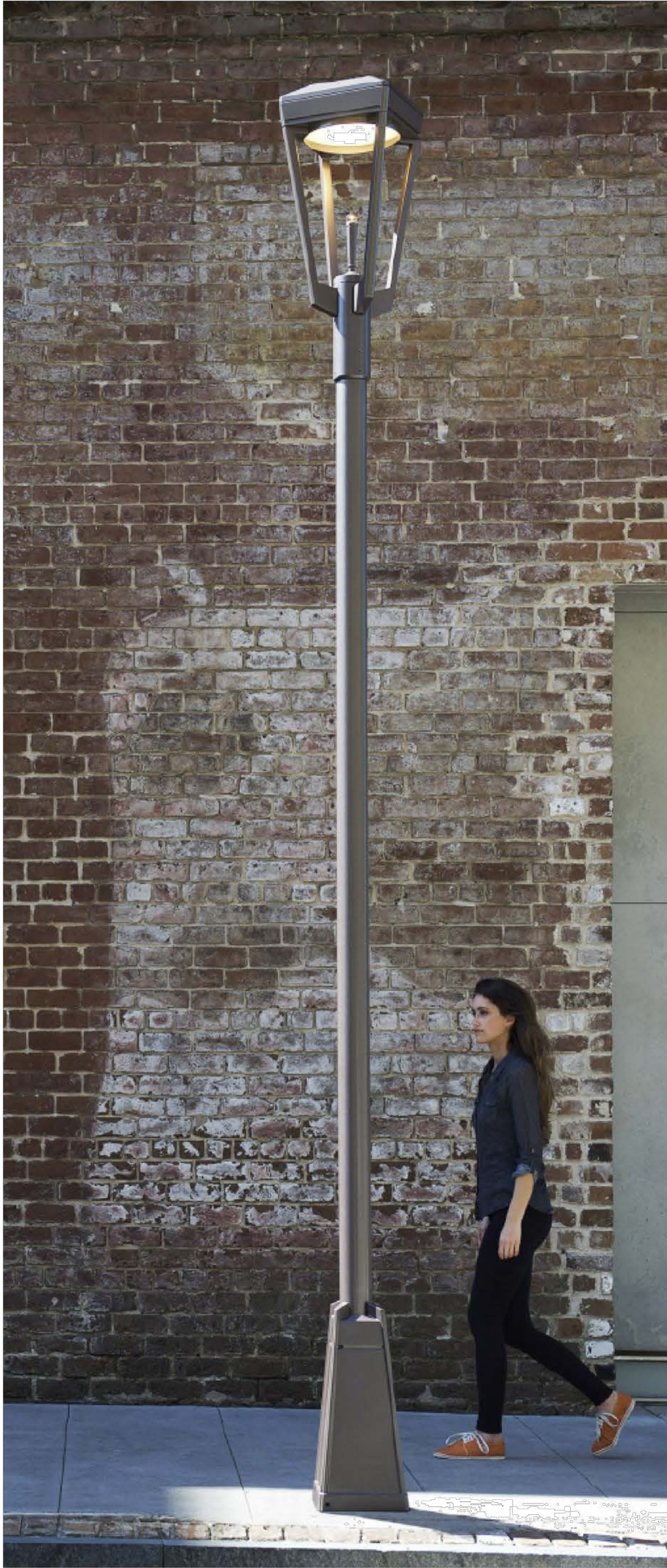


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ASHBERY - LANDSCAPE FORMS



ASHBERY BOLLARD-  
LANDSCAPE FORMS

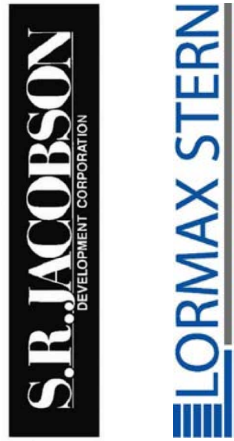
LIGHTING FIXTURES

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CONCEPTUAL  
LIGHTING



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2	REVISED PER VILLAGE COMMENTS	01/07/19	WAW
3	REVISED PER VILLAGE COMMENTS	11/16/18	WAW



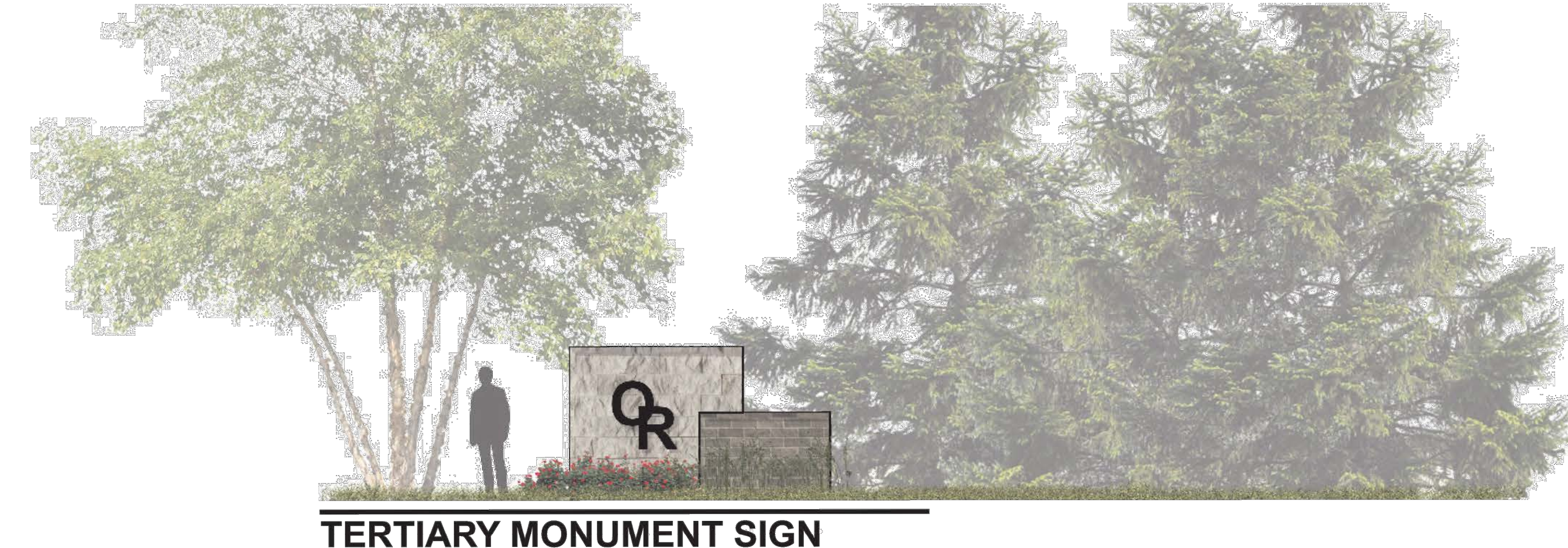
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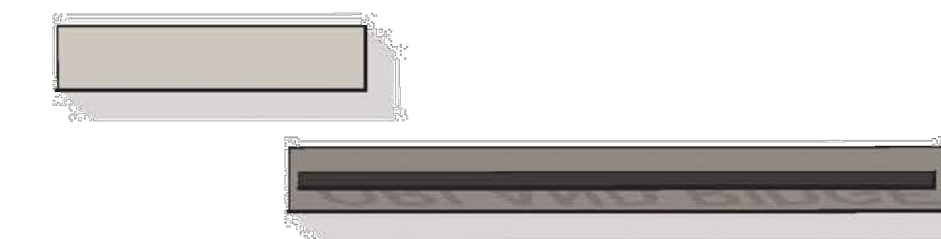
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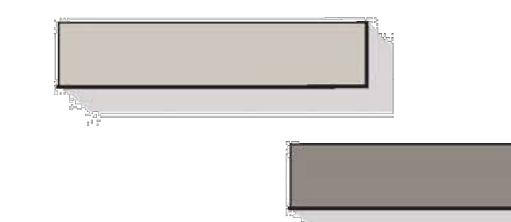
### **TERTIARY MONUMENT SIGN**



## PLAN VIEW



## PLAN VIEW



## PLAN VIEW

MONUMENT SIGN

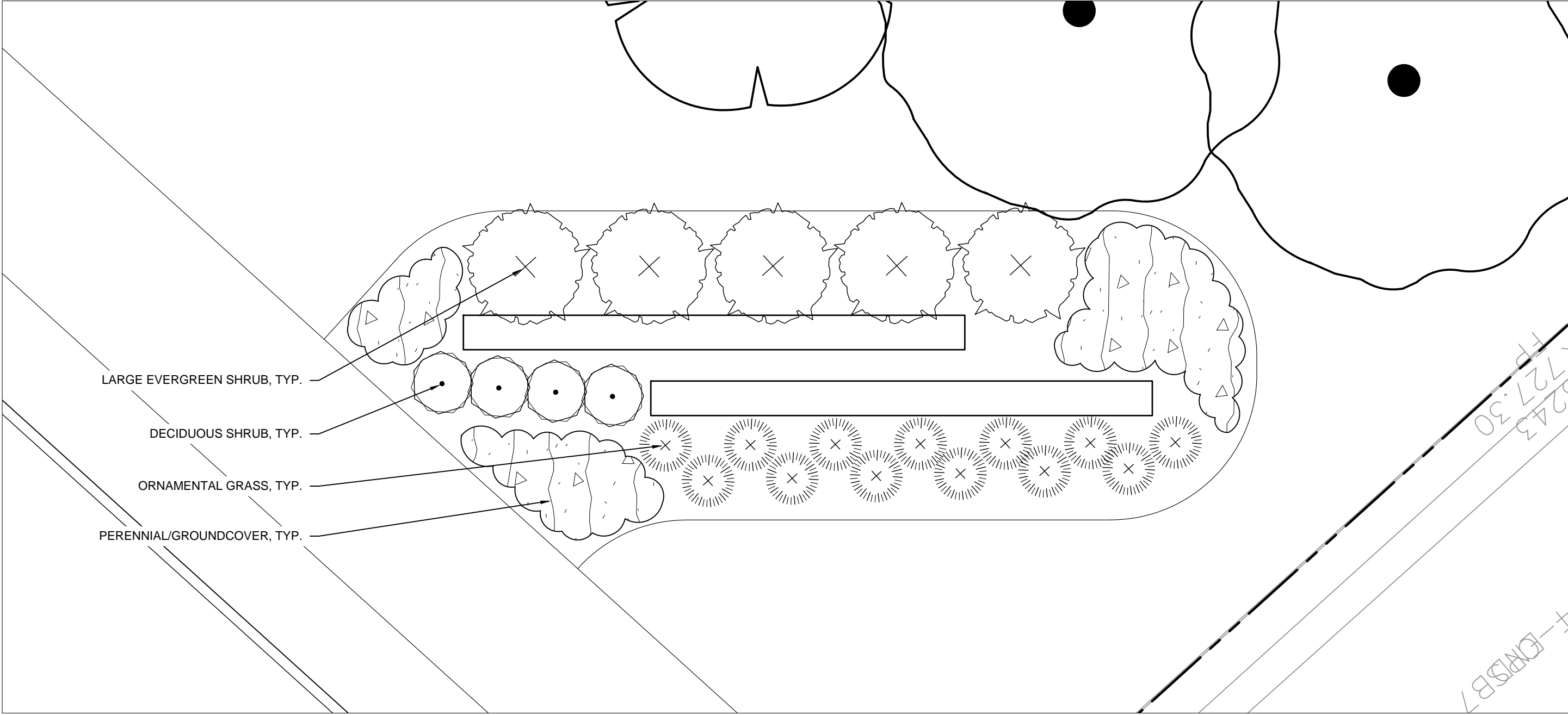
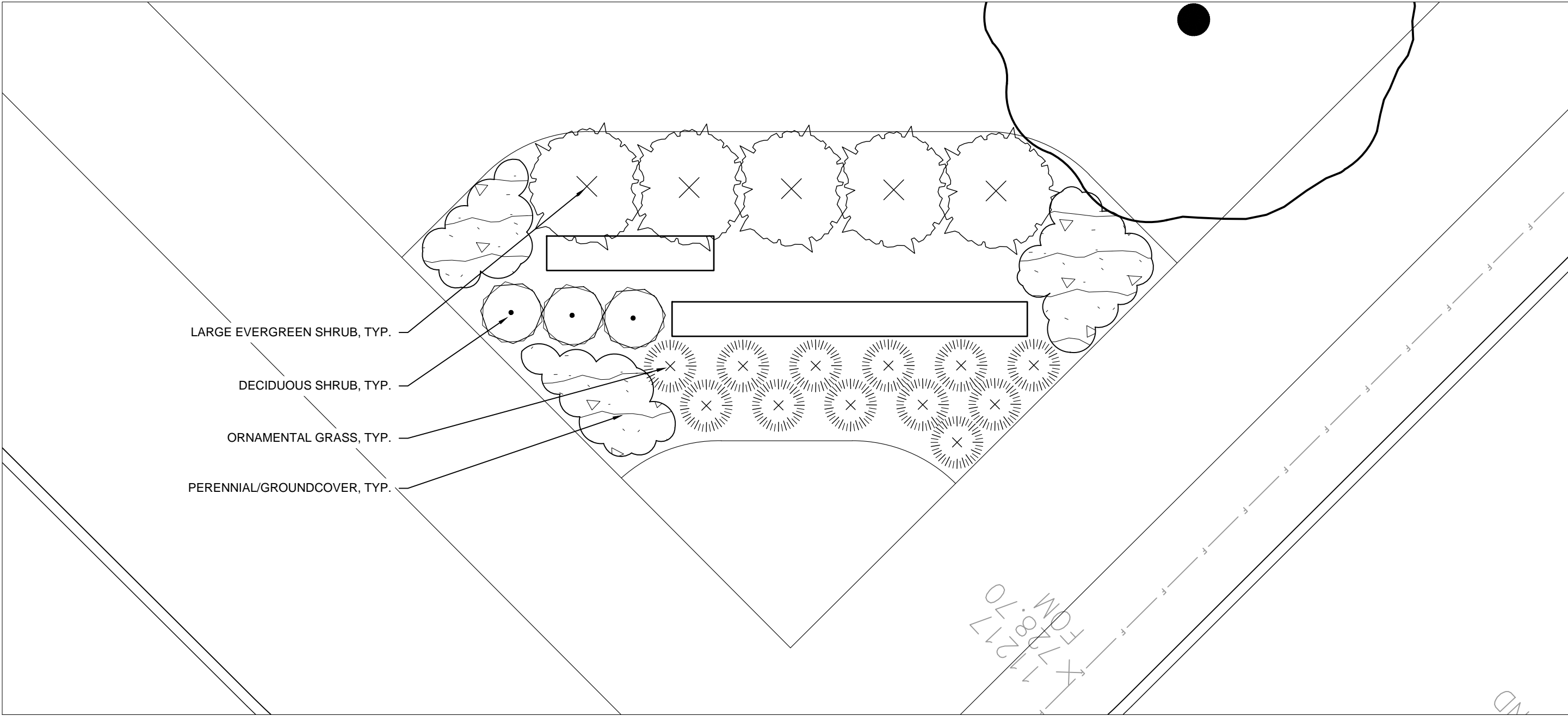
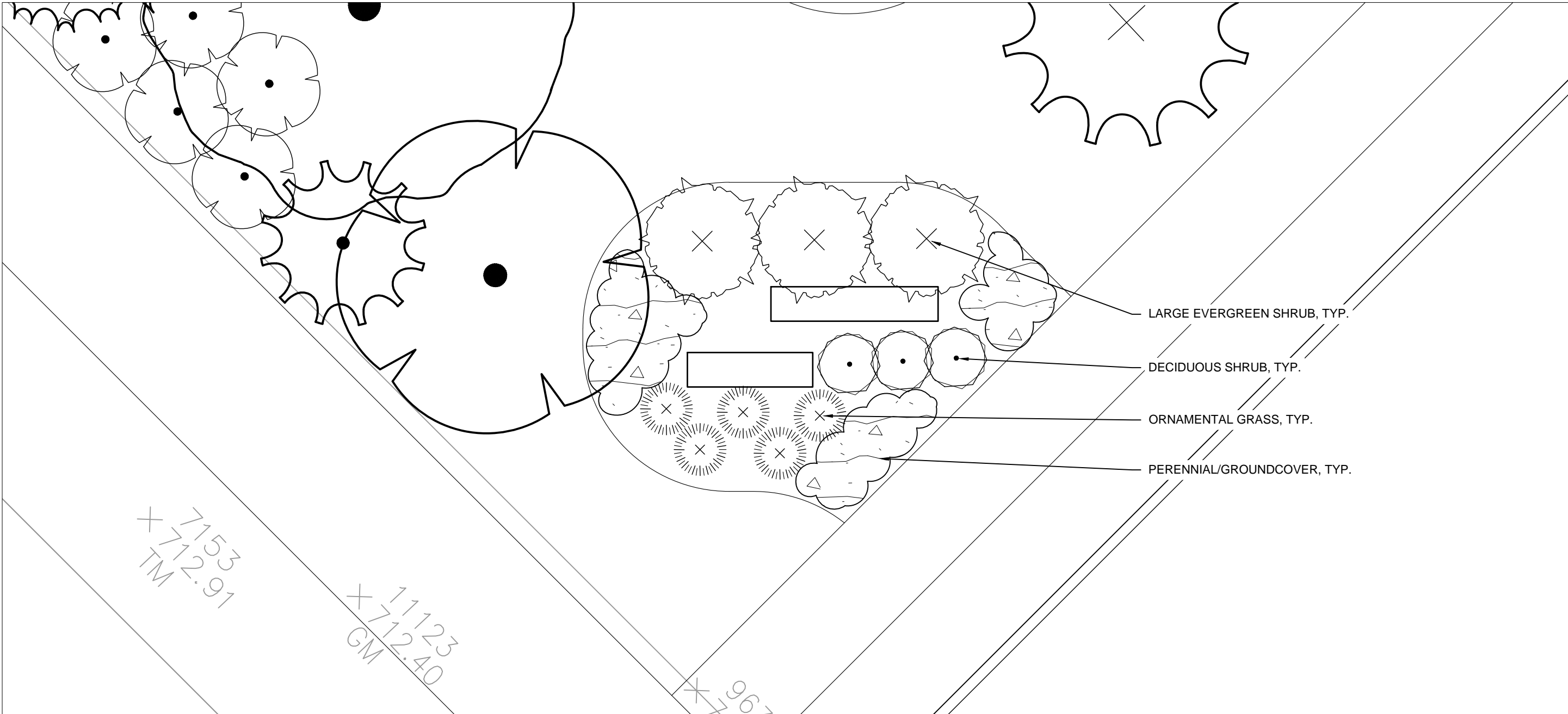
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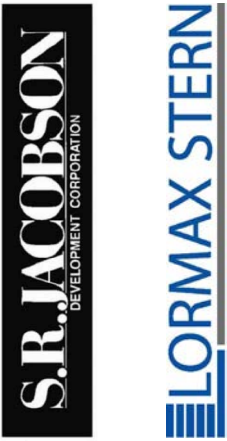
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**SIGNAGE  
LANDSCAPE  
PROTOTYPE**



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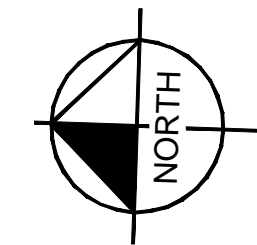
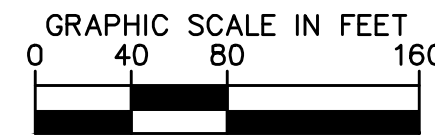
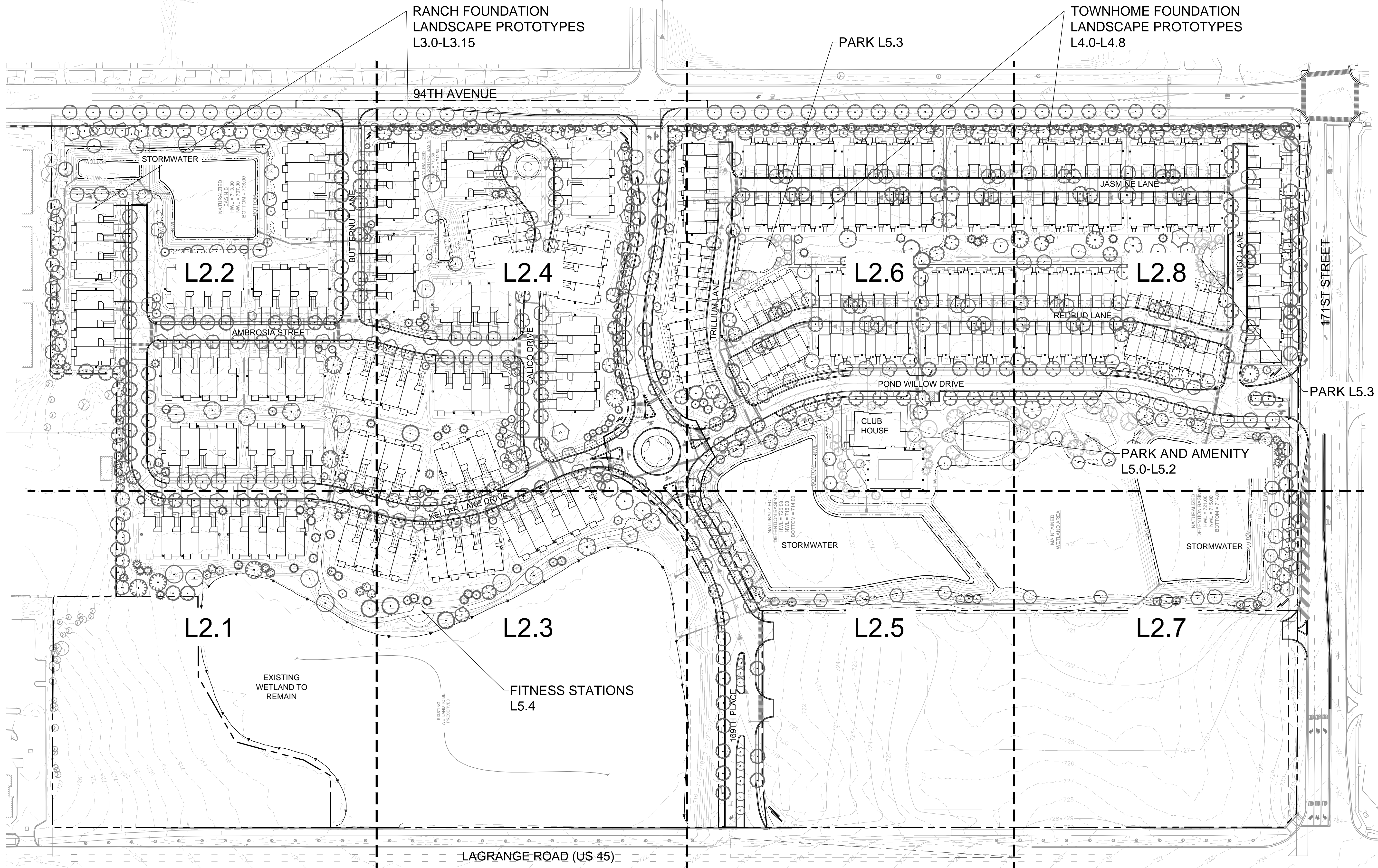
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2	NO		
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02/06/19	WAW
01/07/19	WAW
11/16/18	WAW
DATE	BY



Drawing name: K:\GIS\_DEVELOPMENT\168626000\_ar\_jacobson\_orland park\_1\2 - OVERALL LANDSCAPE PLAN.dwg Feb 14, 2020 12:05pm By: spencerandresen  
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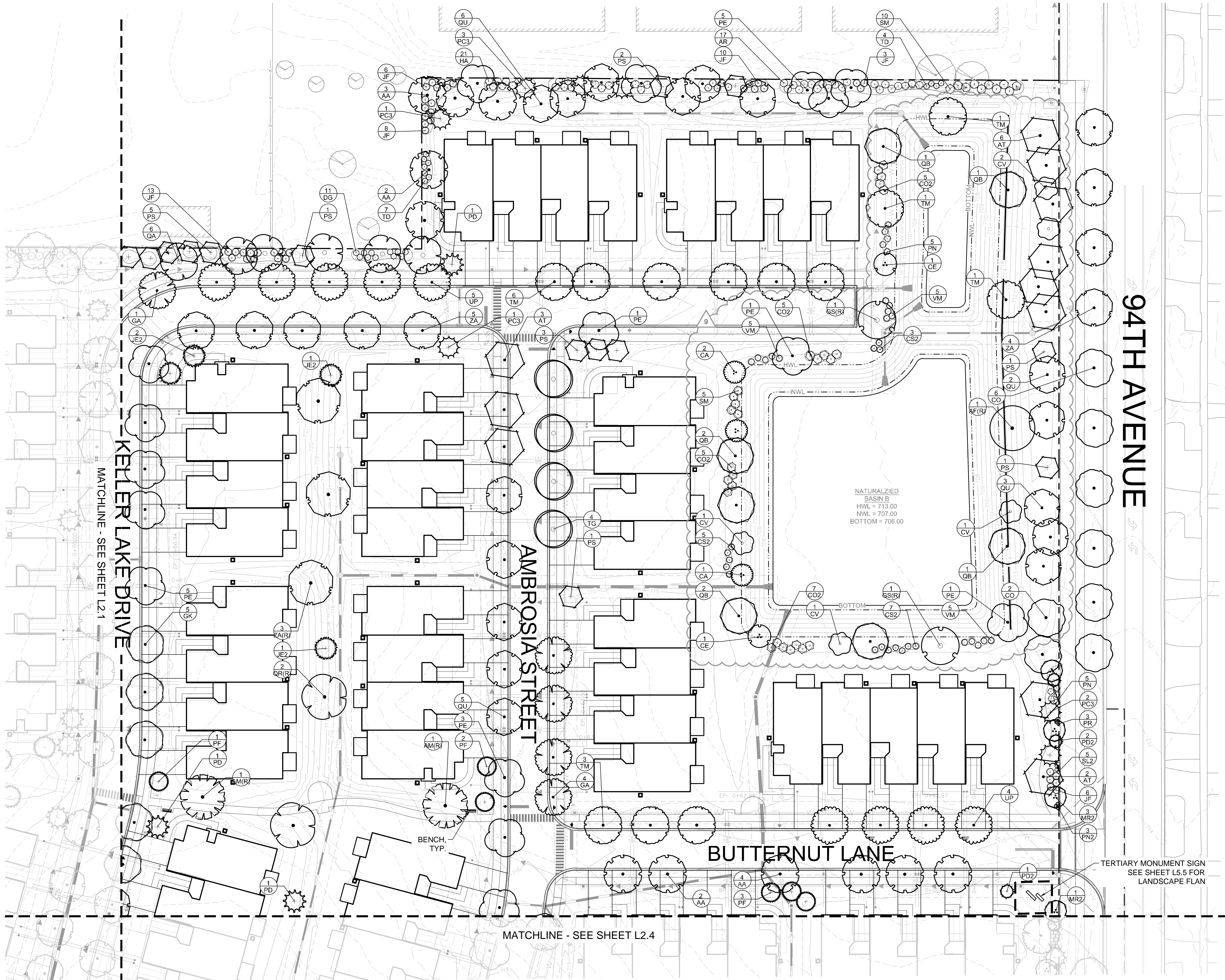


ORLAND RIDGE LAGRANGE ROAD & 171ST STREET ORLAND PARK, IL 60487	OVERALL LANDSCAPE PLAN	SR.JACOBSON LANDSCAPE ARCHITECTS, INC.	SCALE: AS NOTED	DESIGNED BY: TFE DRAWN BY: JDC CHECKED BY: WAW	Kimley»Horn © 2020 KIMLEY-HORN AND ASSOCIATES, INC. 1001 WARENEVILLE ROAD, SUITE 350, Lisle, IL 60532 PH: 630.329.4500 WWW.KIMLEY-HORN.COM	REVISOR	DATE	BY
						1	02/14/20	WAW
						2	02/06/20	SKA
						3	02/05/20	WAW
						4	01/09/20	WAW
ORIGINAL ISSUE: 07/17/2019 KHA PROJECT NO. 168626000 SHEET NUMBER L2.0	SEE L2.9 FOR PLANT SCHEDULE SEE L6.0 FOR GROUNDCOVER PLAN					5	12/20/19	WAW
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						7	10/15/19	WAW
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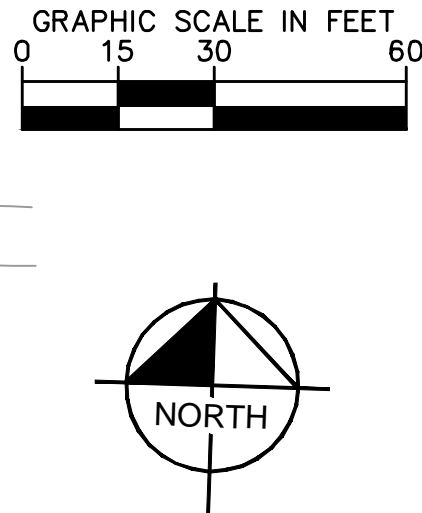








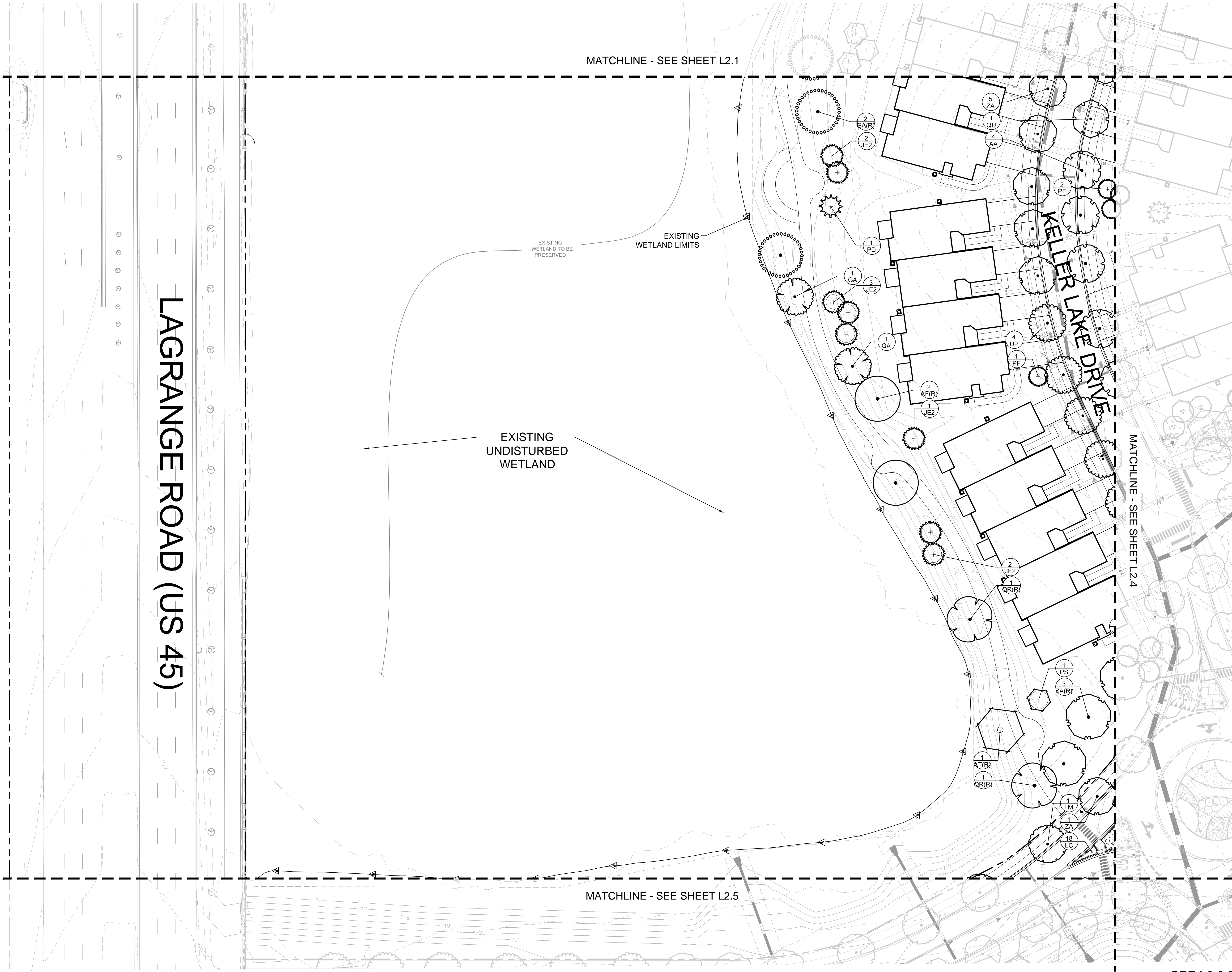
SEE L2.9 FOR PLANT SCHEDULE  
SEE L6.0 FOR GROUNDCOVER PLAN

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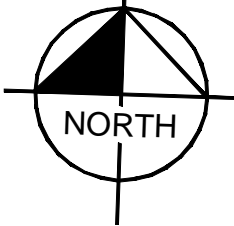


Drawing name: K:\GIS\_DEV\168626000\_sr\_jacobson\_orland.park\_112 Design\CAD\planisheets\final engineering\L2.0 - OVERALL LANDSCAPE PLAN.dwg L2.3 OVERALL LANDSCAPE PLAN Feb 14, 2020 12:05pm By: spencerandresen

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**SR.JACOBSON**  
SENIOR PROJECT MANAGER

**OVERALL  
LANDSCAPE  
PLAN**

**ORLAND RIDGE**  
LAGRANGE ROAD & 171ST STREET  
ORLAND PARK, IL 60487

ORIGINAL ISSUE:  
07/17/2019  
KHA PROJECT NO.  
168626000

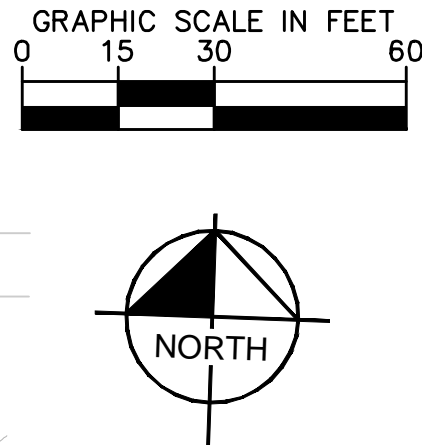
SHEET NUMBER

**L2.3**

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3	REVISED PER VILLAGE/MWRD COMMENTS	12/20/19	WAW
4	REVISED PER VILLAGE/MWRD COMMENTS	01/09/20	WAW
5	LANDSCAPE REV PER VILLAGE COMMENTS	02/05/20	WAW
6	REVISED PER IDOT COMMENTS	02/06/20	SKA
7	ADDENDUM 1 - LANDSCAPE	02/14/20	WAW



Drawing name: K:\GIS\_DEVELOPMENT\168626000\_ar\_jacobson\ord park\_l2.4 Design\CAD\plan\sheet\l2.4 - OVERALL LANDSCAPE PLAN.dwg Feb 14, 2020 12:05pm By: spencerandresen  
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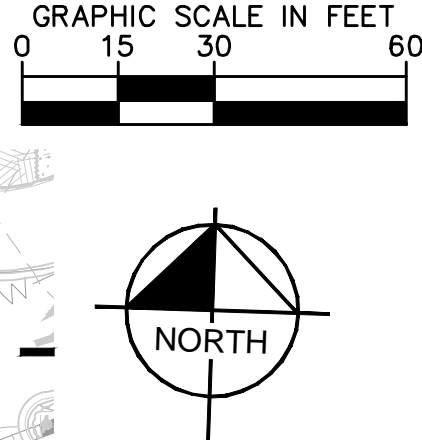
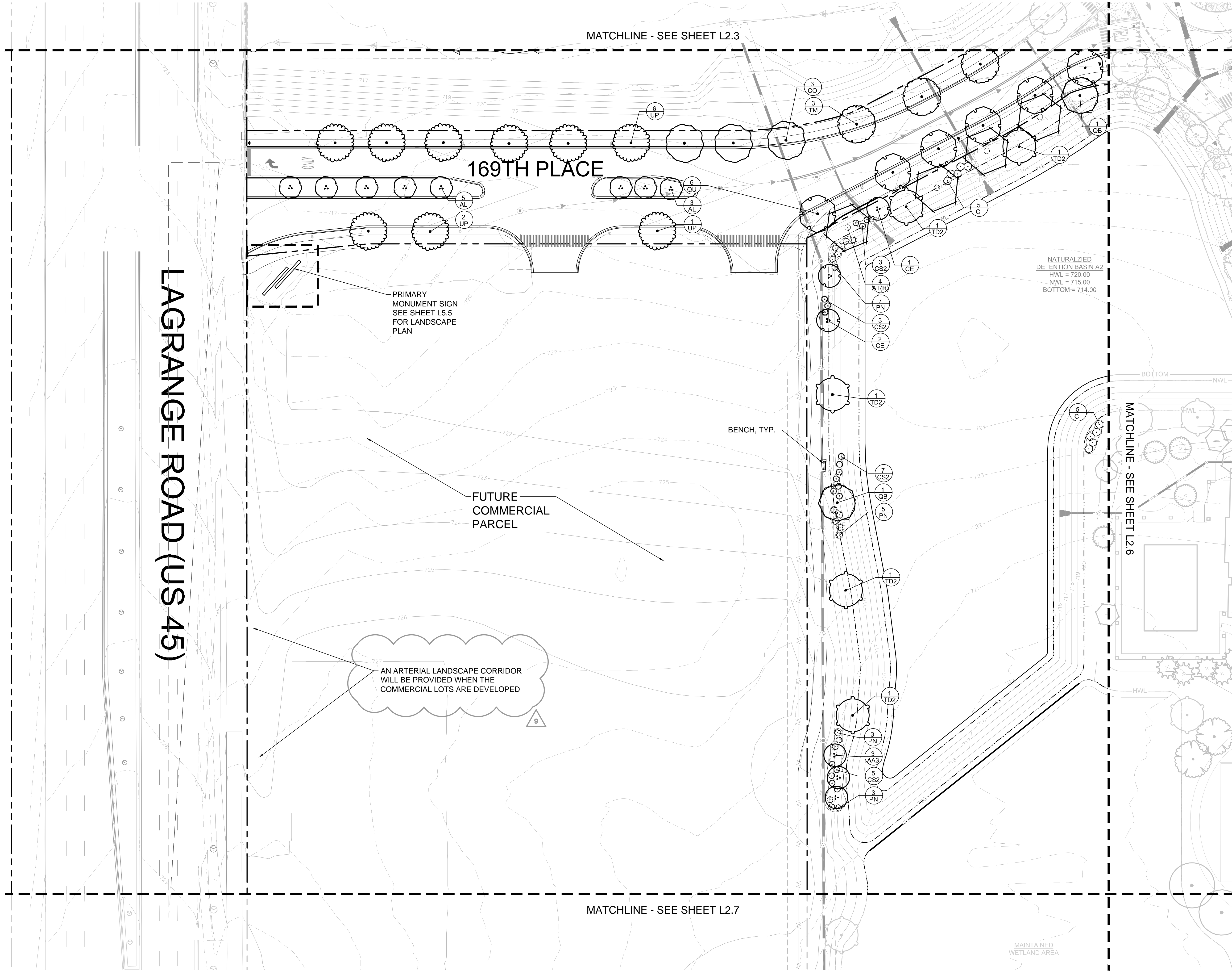



SEE L2.9 FOR PLANT SCHEDULE  
SEE L6.0 FOR GROUNDCOVER PLAN

OVERALL LANDSCAPE PLAN	ORLAND RIDGE LAGRANGE ROAD & 171 ST STREET ORLAND PARK, IL 60487	ORIGINAL ISSUE: 07/17/2019 KHA PROJECT NO. 168626000 SHEET NUMBER <b>L2.4</b>	SCALE: AS NOTED DESIGNED BY: JDC DRAWN BY: JDC CHECKED BY: WAW	Kimley»Horn © 2020 KIMLEY-HORN AND ASSOCIATES, INC. 1001 WARREN ROAD, SUITE 350, Lisle, IL 60532 PH: 630.582.4550 WWW.KIMLEY-HORN.COM	REVISIONS	02/14/20	WAW	REVISOR PER VILLAGE/CCDOT COMMENTS
						02/06/20	SKA	ADDENDUM 1 - LANDSCAPE
						02/05/20	WAW	REVISED PER DOT COMMENTS
						01/09/20	WAW	LANDSCAPE REV PER VILLAGE COMMENTS
						12/20/19	WAW	LANDSCAPE REV PER VILLAGE/CCDOT COM.
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						10/15/19	WAW	REVISED PER VILLAGE/CCDOT COMMENTS
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						10/15/19	WAW	REVISED PER VILLAGE/CCDOT COMMENTS



Drawing name: K:\GIS\_LDEV\168626000\_sr\_jacobson\_orland park, IL\2 Design\CAD\planisheets\final engineering\L2.5 OVERALL LANDSCAPE PLAN.dwg Feb 14, 2020 12:05pm By: spencerandresen  
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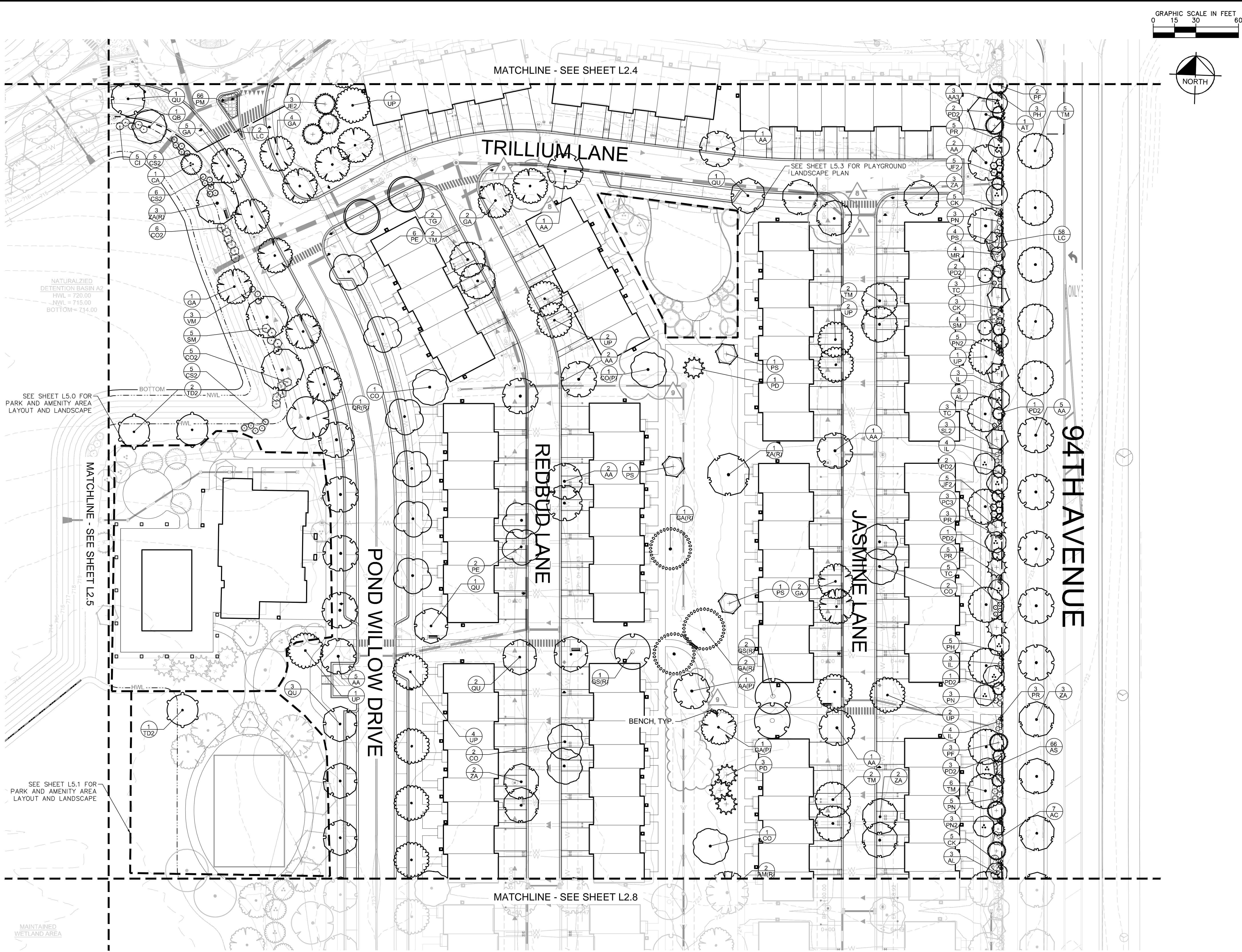


SHEET NUMBER		ORIGINAL ISSUE: 07/17/2019		ORLAND RIDGE LAGRANGE ROAD & 171ST STREET ORLAND PARK, IL 60487		OVERALL LANDSCAPE PLAN				<div>SCALE: AS NOTED</div> <div>DESIGNED BY: TRE</div> <div>DRAWN BY: JDC</div> <div>CHECKED BY: WAW</div>		<div>Kimley»Horn</div> <div>© 2020 KIMLEY-HORN AND ASSOCIATES, INC. 1001 WARRENVILLE ROAD, SUITE 350, LISLE, IL 60532-4550 WWW.KIMLEY-HORN.COM</div>		<div>1</div> <div>2</div> <div>3</div> <div>4</div> <div>5</div> <div>6</div> <div>7</div> <div>8</div> <div>9</div> <div>10</div> <div>11</div> <div>12</div> <div>13</div> <div>14</div> <div>15</div> <div>16</div> <div>17</div> <div>18</div> <div>19</div> <div>20</div> <div>21</div> <div>22</div> <div>23</div> <div>24</div> <div>25</div> <div>26</div> <div>27</div> <div>28</div> <div>29</div> <div>30</div> <div>31</div> <div>32</div> <div>33</div> <div>34</div> <div>35</div> <div>36</div> <div>37</div> <div>38</div> <div>39</div> <div>40</div> <div>41</div> <div>42</div> <div>43</div> <div>44</div> 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SEE L2.9 FOR PLANT SCHEDULE  
SEE L6.0 FOR GROUNDCOVER PLAN



Drawing name: K:\GIS\_DEVELOPMENT\168626000\_01 - OVERALL LANDSCAPE PLAN.dwg L2.6 OVERALL LANDSCAPE PLAN Feb 14, 2020 12:05pm By: spencerandresen  
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SEE L2.9 FOR PLANT SCHEDULE  
SEE L6.0 FOR GROUNDCOVER PLAN



REVISIONS		DATE	BY
1	REVISED PER VILLAGE/CCDOT COMMENTS	02/14/20	WAW
2	ADDENDUM 1 - LANDSCAPE	02/06/20	SKA
3	REVISED PER DOT COMMENTS	02/05/20	WAW
4	LANDSCAPE REV PER VILLAGE COMMENTS	01/09/20	WAW
5	REVISED PER VILLAGE/MWRD/CCDOT COM.	12/20/19	WAW
6	REVISED PER CCOT COMMENTS	11/21/19	WAW
7	REVISED PER VILLAGE/MWRD COMMENTS	10/15/19	WAW
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SCALE: AS NOTED	
DESIGNED BY: TFE	
DRAWN BY: JDC	
CHECKED BY: WAW	

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SRJACOBSON	
OVERALL LANDSCAPE PLAN	

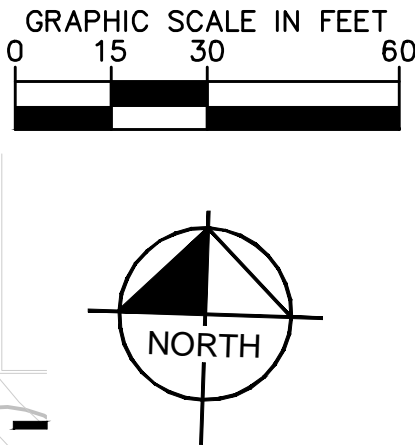
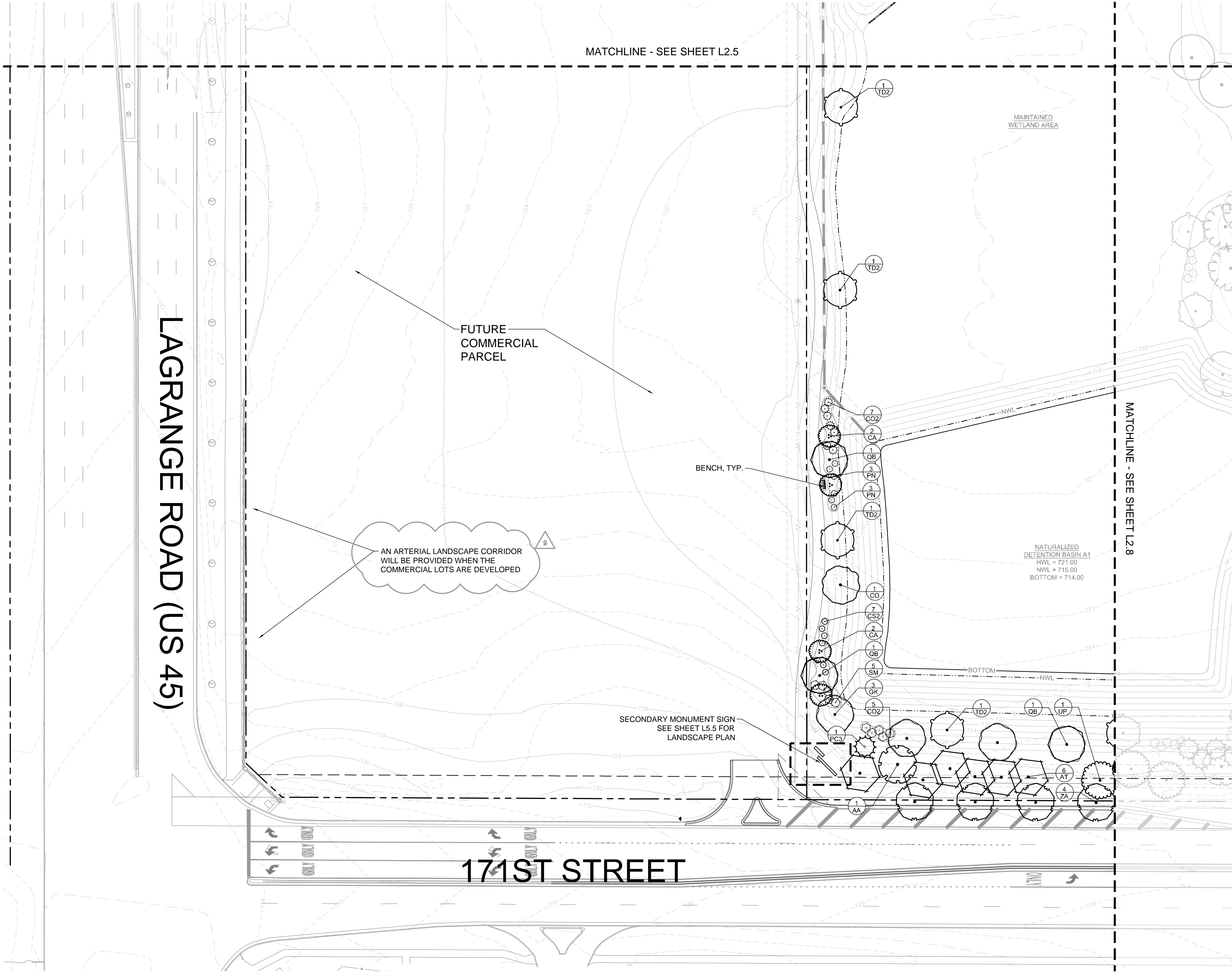
ORLAND RIDGE	
LAGRANGE ROAD & 171 ST STREET	
ORLAND PARK, IL 60487	

ORIGINAL ISSUE: 07/17/2019
KHA PROJECT NO. 168626000
SHEET NUMBER

L2.6
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Drawing name: K:\GIS\_LDEV\168626000\_ar\_jacobson\_orland park\_112 Design\CAD\planisheets\final engineering\L2.7 OVERALL LANDSCAPE PLAN Feb 14, 2020 12:05pm By: spencerandresen  
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REVISIONS		DATE	BY
No.	REVISIONS		
1	REVISED PER VILLAGE/MWRD COMMENTS	10/15/19	WAW
2	REVISED PER VILLAGE/MWRD COMMENTS	11/21/19	WAW
3	REVISED PER CCOT COMMENTS	12/20/19	WAW
4	LANDSCAPE REV PER VILLAGE COMMENTS	01/09/20	WAW
5	REVISED PER DOT COMMENTS	02/05/20	WAW
6	ADDENDUM 1 - LANDSCAPE	02/14/20	SKA
ORIGINAL ISSUE:		07/17/2019	
KHA PROJECT NO.		168626000	
SHEET NUMBER		L2.7	

SR.JACOBSON		OVERALL LANDSCAPE PLAN	
DESIGNED BY: TRE		SCALE: AS NOTED	
DRAWN BY: JDC		Kimley»Horn	
CHECKED BY: WAW		© 2020 KIMLEY-HORN AND ASSOCIATES, INC. 1001 WARRENVILLE ROAD, SUITE 350, Lisle, IL 60532-4550 WWW.KIMLEY-HORN.COM	

SEE L2.9 FOR PLANT SCHEDULE  
SEE L6.0 FOR GROUNDCOVER PLAN



Drawing name: K:\GIS\_LDEV\168626000\_ar\_jacobson\_orland\_ridge\12.8 OVERALL LANDSCAPE PLAN.dwg L2.8 OVERALL LANDSCAPE PLAN Feb 14, 2020 12:05pm By: spencerandresen  
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## PLANT SCHEDULE

CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SPACING	SIZE
AR	20	ARONIA ARBUTIFOLIA	RED CHOKEBERRY	-	SEE PLAN	24" HT MIN
BM	32	BUDDLEJA X 'MISS RUBY'	BUTTERFLY BUSH	-	SEE PLAN	36" HT MIN
CI	49	CORNUS SERICEA 'ISANTI'	ISANTI REDOSIER DOGWOOD	-	SEE PLAN	24" HT MIN
CO2	72	CEPHALANTHUS OCCIDENTALIS	BUTTONBUSH	-	SEE PLAN	36" HT MIN
CS2	89	CORNUS SERICEA 'CARDINAL'	'CARDINAL' RED-TWIG DOGWOOD	-	SEE PLAN	36" HT MIN
DG	11	DIERVILLA RIVULARIS 'G2X885411'	KODIAK RED BUSH HONEYSUCKLE	-	SEE PLAN	24" HT MIN
HA	21	HYDRANGEA ARBORESCENS 'ANNABELLE'	ANNABELLE SMOOTH HYDRANGEA	-	SEE PLAN	24" HT MIN
IL	42	ITEA VIRGINICA 'LITTLE HENRY' TM	LITTLE HENRY VIRGINIA SWEETSPIRE	-	SEE PLAN	18" HT MIN
JF	46	JUNIPERUS CHINENSIS 'SEA GREEN'	SEA GREEN JUNIPER	-	SEE PLAN	24" SPREAD
PN	65	PHYSOCARPUS OPULIFOLIUS 'SUMMER WINE'	SUMMER WINE NINEBARK	-	SEE PLAN	36" HT MIN
R3	27	ROSA X 'RADRAZZ'	KNOCK OUT SHRUB ROSE	-	SEE PLAN	18" HT MIN
RB	6	RHUS TYPHINA 'BALTIMER' TM	TIGER EYES SUMAC	-	SEE PLAN	36" HT MIN
SM	49	SYRINGA MEYERI 'PALIBIN'	DWARF KOREAN LILAC	-	SEE PLAN	36" HT MIN
TC	26	THUJA OCCIDENTALIS 'CONGABE' TM	FIRE CHIEF ARBORVITAE	-	SEE PLAN	24" HT MIN
TD	11	TAXUS X MEDIA 'DENSIFORMIS'	DENSE YEW	-	SEE PLAN	24" HT MIN
VM	24	VIBURNUM DENTATUM 'BLUE MUFFIN'	SOUTHERN ARROWWOOD	-	SEE PLAN	24" HT MIN
CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SPACING	SIZE
CK	30	CALAMAGROSTIS X ACUTIFLORA 'KARL FOERSTER'	FEATHER REED GRASS	#1	SEE PLAN	
PH	31	PANICUM VIRGATUM 'HEAVY METAL'	BLUE SWITCH GRASS	#1	SEE PLAN	
PN2	32	PANICUM VIRGATUM 'NORTHWIND'	SWITCH GRASS	#1	SEE PLAN	
PR	42	PANICUM VIRGATUM 'ROTSTRAHLBUSCH'	ROTSTRAHLBUSCH SWITCH GRASS	#2	SEE PLAN	
SL2	38	SCHIZACHYRIUM SCOPARIUM	LITTLE BLUESTEM GRASS	#2	SEE PLAN	
CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SPACING	SIZE
AB	70	AMSONIA TABERNAEMONTANA 'BLUE ICE'	BLUE ICE STAR FLOWER	#1		
AC	53	ANEMONE CANADENSIS	CANADIAN ANEMONE	#1		
AS	190	ASCLEPIAS SYRIACA	COMMON MILKWEED	#1		
AS2	39	ALLIUM X 'SUMMER BEAUTY'	SUMMER BEAUTY ALLIUM	#1		
LC	217	LIRIOPE SPICATA	CREEPING LILY TURF	#1		
PM	188	PERENNIAL MIX 50% ECHINACEA 'PICA BELLA', 50% RUDBECKIA FULGIDA VAR. SPECIOSA		#1		
PM2	120	PERENNIAL MIX 2 50% ALLIUM 'SUMMER BEAUTY', 50% SPOROBOLUS HETEROLEPIS 'TARA'		#1		
PM3	159	PERENNIAL MIX 3 33% ECHINACEA PURPUREA 'PICA BELLA', 33% RUDBECKIA FULGIDA 'GOLDSTURM', 33% LIATRIS SPICATA 'KOBOLD'		#1		
PS3	209	PANICUM VIRGATUM 'SHENANDOAH'	SWITCH GRASS	#1		
SH2	141	SPOROBOLUS HETEROLEPIS 'TARA'	DWARF PRAIRIE DROPSEED	#1		
SM2	19	SALVIA NEMOROSA 'MAY NIGHT'	MAY NIGHT SAGE	#1		



ORLAND RIDGE LAGRANGE ROAD & 171ST STREET ORLAND PARK, IL 60487		OVERALL LANDSCAPE PLANT SCHEDULE				<b>Kimley»Horn</b> © 2020 KIMLEY-HORN AND ASSOCIATES, INC. 1001 WARRENVILLE ROAD, SUITE 350, BIRMINGHAM, AL 35243 PHONE: 650-487-5550 WWW.KIMLEY-HORN.COM		SCALE: AS NOTED		Δ REVISD PER VILLAGE/CDDOT COMMENTS		WAW
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SHEET NUMBER								CHECKED BY: WAW		Δ LANDSCAPE REV PER VILLAGE COMMENTS		01/09/20
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										Δ REVISIONS		10/15/19
										BY		WAW
										DATE		WAW

SEE L6.0 FOR GROUND COVER PLAN