

1 TREE PROTECTION PLAN
N.T.S. 320190.33-01

Root Pruning

Existing tree roots greater than one (1) inch in diameter, measured at the edge of excavation, shall be pruned within 24 hours of the time they have been damaged by construction activity. The severed root shall be pruned at the edge of excavation, or one (1) inch beyond the entire damaged portion of the tree root, if damaged root extends beyond the edge of excavation into undisturbed soil.

All cuts shall be cleanly made with sharp tools.

The excavated area around the existing tree roots shall be backfilled as soon as construction activities permit.

Amended existing soil shall be used as backfill material within the disturbed root zone areas not receiving drainage or subbase stone items. Amended existing soil shall be amended with peat or compost in the ratio of one part organic to seven parts existing soil.

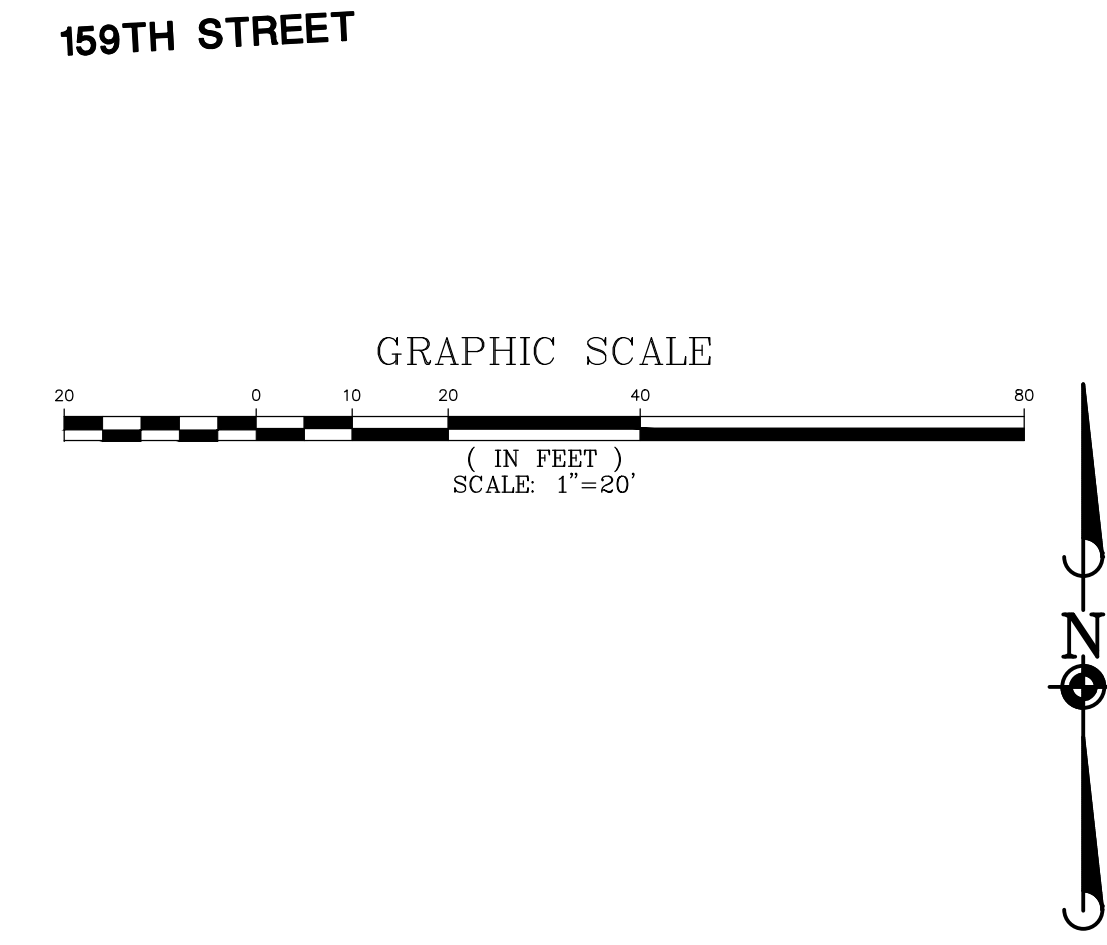
Vulnerable Area Protection Methods

All tree root zones designated as "Vulnerable" shall receive special care and attention during construction. These areas contain roots for large trees that are within the construction area. Since these trees have high value to the project, efforts shall be made to preserve these trees, however the property owner will not be held liable if the trees do not survive.

An arborist should be consulted prior to construction to provide advice on preservation techniques. Each tree and construction condition is unique so an arborist is best qualified to provide a recommendation for each tree. Preservations may include root pruning, crown pruning, hormone treatment, fertilizers, soil amendments, excavation techniques, etc.

Legend

- Tree to be Removed
- Protective Fencing for Tree to be Preserved
- Vulnerable Area



January 8, 2020 - 11:39 AM - User Name: \\net-lb-nash\Projects-VIA\Phase\01_Van\London\Final Drawings\Landscape Plan.dwg - Updated By: JHendricks

DATE	REVISIONS
1-8-20	REVISED PER CITY COMMENTS
12-13-19	REVISED PER CITY COMMENTS
8-23-19	REVISED PER CITY COMMENTS
6-28-19	REVISED PER SITE PLAN ADJUSTMENTS

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 Civil Engineers • Surveyors • Water Resource Engineers • Wetland Scientists • Environmental Scientists • Landscape Architects • Planners
 Construction Managers • Environmental Scientists • Landscape Architects • Planners

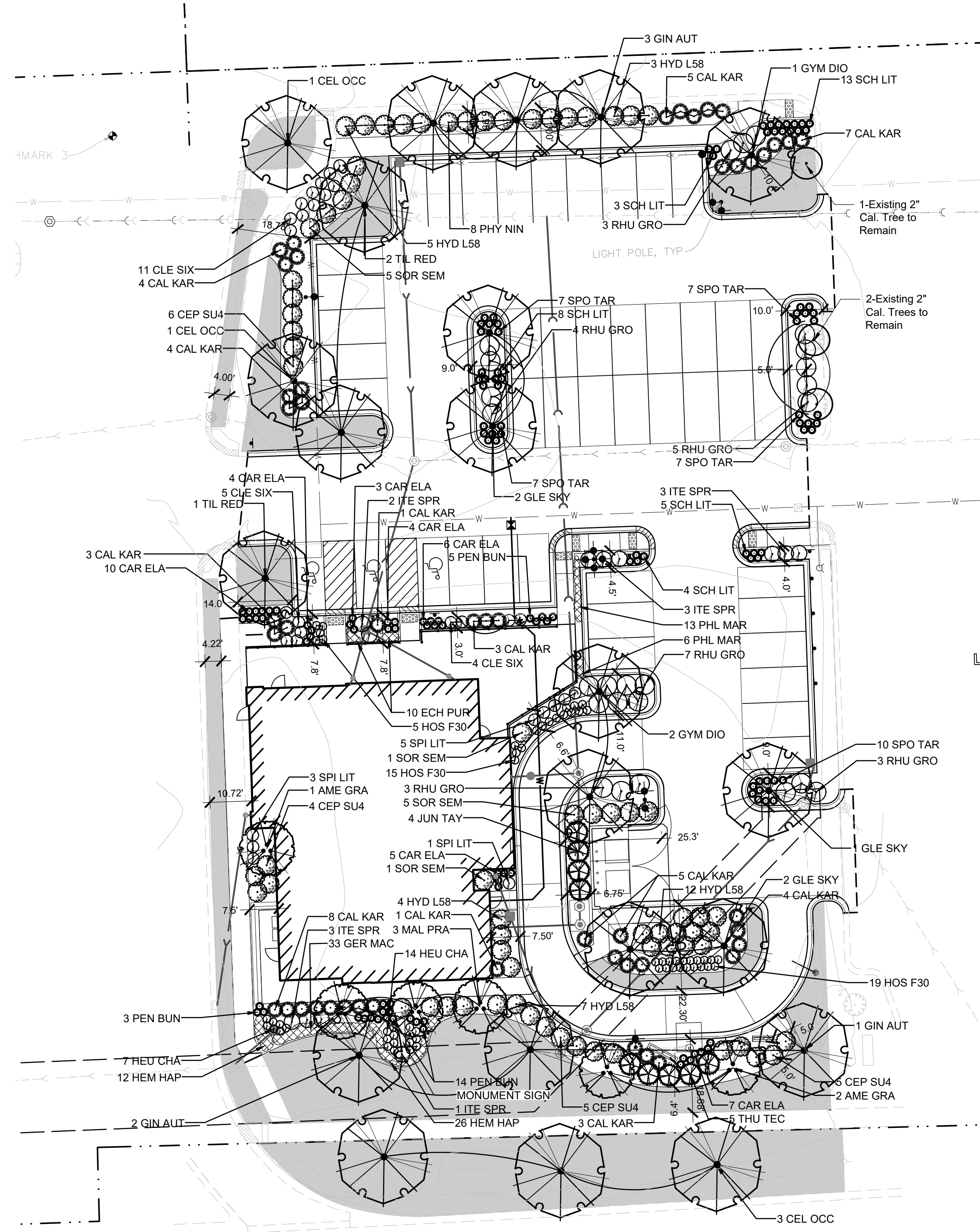
PANERA BREAD COMPANY
ORLAND PARK, ILLINOIS
TREE PRESERVATION PLAN

PROJ. MGR.: KC
 PROJ. ASSOC.: JSH
 DRAWN BY: JBD
 DATE: 06/10/19
 SCALE: 1" = 20'

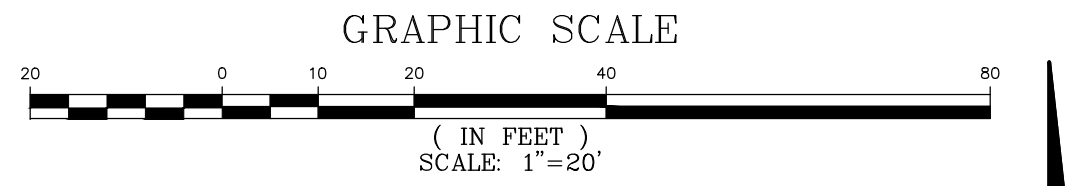
SHEET
L1 OF L4
 PBC.OP101



Pending: Not For Construction



159TH STREET



PLANT SCHEDULE

DECIDUOUS TREES	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER
CEL OCC	5	Celtis occidentalis	Common Hackberry	2.5" Cal.	B&B
GIN AUT	6	Ginkgo biloba 'Autumn Gold' TM	Maidenhair Tree	2.5" Cal.	B&B
GLE SKY	5	Gleditsia triacanthos 'Skyline'	Skyline Honey Locust	2.5" Cal.	B&B
GYM DIO	3	Gymnocladus dioica 'Espresso'	Kentucky Coffeetree	2.5" Cal.	B&B
TIL RED	3	Tilia americana 'Redmond'	Redmond American Linden	2.5" Cal.	B&B
EVERGREEN TREES	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER
JUN TAY	4	Juniper virginiana 'Taylor'	Taylor Eastern Redcedar	6' Ht.	B&B
THU TEC	5	Thuja occidentalis 'Techny'	Techny Arborvitae	6' Ht.	B&B
ORNAMENTAL TREES	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER
AME GRA	3	Amelanchier x grandiflora 'Autumn Brilliance'	'Autumn Brilliance' Serviceberry	6' Ht.	B&B
MAL PRA	3	Malus x 'Prairifire'	Prairifire Crab Apple	6' Ht.	B&B
DECIDUOUS SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER
CEP SU4	20	Cephalanthus occidentalis 'Sugar Shack'	Buttonbush	18"	
CLE SIX	20	Clethra alnifolia 'Sixteen Candles'	Summersweet Clethra	18"	
HYD L58	31	Hydrangea paniculata 'Little Lime'	Little Lime Hydrangea	18"	
ITE SPR	12	Itea virginica 'Sprich'	Virginia Sweetspire	18"	
PHY NIN	8	Physocarpus opulifolius 'Summer Wine'	Summer Wine Ninebark	18"	
RHU GRO	25	Rhus aromatica 'Gro-Low'	Gro-Low Fragrant Sumac	18"	
SOR SEM	12	Sorbaria sorbifolia 'Sem'	Sem Ash Leaf Spirea	18"	
SPI LIT	9	Spiraea x bumalda 'Little Princess'	Little Princess Spirea	18"	
ORNAMENTAL GRASSES	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER
CAL KAR	48	Calamagrostis x acutiflora 'Karl Foerster'	Feather Reed Grass	#1	
CAR ELA	39	Carex elata 'Bowles Golden'	Bowles Golden Sedge	#1	
PEN BUN	22	Pennisetum alopecuroides 'Little Bunny'	Little Bunny Fountain Grass	#1	
SCH LIT	33	Schizachyrium scoparium	Little Bluestem Grass	#1	
SPO TAR	38	Sporobolus heterolepis 'Tara'	Prairie Dropseed	#1	
PERENNIALS	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER
HEU CHA	21	Heuchera sanguinea 'Chatterbox'	Coral Bells	#1	
HOS F30	39	Hosta x 'Fire Island'	Fire Island Plantain Lily	#1	
SHRUB AREAS	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER
ECH PUR	10	Echinacea purpurea	Purple Coneflower	#1	
GER MAC	33	Geranium maculatum	Spotted Geranium	#1	
HEM HAP	38	Hemerocallis x 'Happy Returns'	Happy Returns Daylily	#1	
PHL MAR	19	Phlox divaricata 'Mary Helen'	Woodland Phlox	#1	

Legend

Turf

City of Orland Park Required Landscaping

LANDSCAPE PARKWAYS- TYPE C PARKWAY:
Required: Shade Trees 40' o.c. in parkway. **Requirement is met, per plan.**

LANDSCAPE CORRIDOR - ARTERIAL:
2 Shade Trees per 100' of roadway frontage. 150' frontage. 3 Shade Trees required. 3 Shade Trees provided. **Requirement is met, per plan.**
2 Evergreen or Ornamental Trees per 100' of roadway frontage. 150' frontage. 3 Ornamental/Evergreen Trees required. 3 Ornamental Trees provided. **Requirement is met, provided between drive-through location and parkway.**

LANDSCAPE BUFFERYARD - TYPE 1:
3 Shade Trees per 100' of bufferyard, 1 Evergreen or Ornamental Tree per 100'. Rear Bufferyard is 145 linear feet. **3 Shade Trees and 4 Evergreen Trees are provided in Rear (North) Bufferyard. Requirement is met.**
16 shrubs (including grasses) per 100' of bufferyard. 23 shrubs required in rear bufferyard. **47 shrubs are provided in Rear (North) Bufferyard. Requirement is met.**

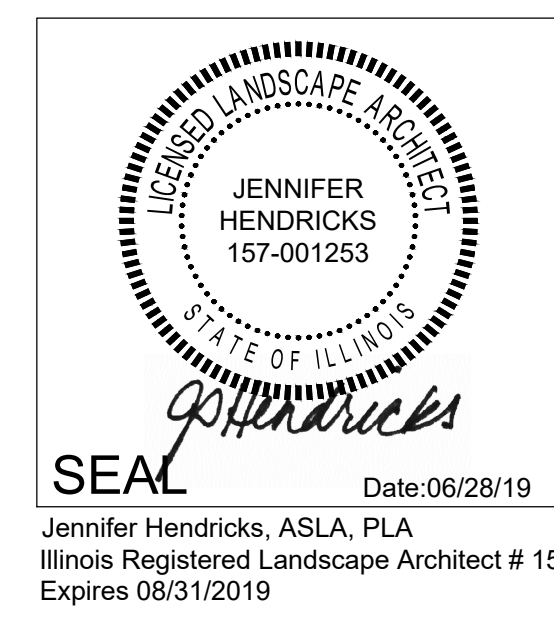
Side (West) Bufferyard is 88 linear feet. 3 Shade Trees are required. **3 Shade Trees are provided in Side Bufferyard. Requirement is met.**
14 shrubs are required. **30 shrubs are provided. Requirement is met.**

FOUNDATION LANDSCAPE:
1 Ornamental Tree and 16 shrubs (including grasses and perennials) per 100' of building face are required. 265 linear feet of building face. 3 Ornamental Trees and 42 shrubs are required. **3 Ornamental Trees and 69 shrubs are provided. Requirement is met.**

PARKING LOT AREA LANDSCAPE:
1 Shade Tree is required per island. **1 Shade Tree per island is provided. Requirement is met.**

SIGNAGE LANDSCAPE:
Landscape bed should extend a minimum of 5' from each side of sign. **Requirement is met.**

Additional landscaping provided in foundation planting area to supplement inability to provide buffer plantings along east side, and to make up for deficiencies in planting quantities along the Arterial Corridor.



DATE	REVISIONS
11-18-20	REVISED PER CITY COMMENTS
11-18-20	REVISED PER CITY COMMENTS
10-15-19	REVISED PER CITY COMMENTS
8-22-19	REVISED PER CITY COMMENTS
6-28-19	REVISED PER SITE PLAN ADJUSTMENTS

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ORLAND PARK, ILLINOIS
LANDSCAPE PLAN

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PROJ. ASSOC.:	JSH
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