# Landscape Plan

# NAPERVILLE CROSSINGS

# Naperville, Illinois

August 8, 2019

# CONSULTANTS:



LANDSCAPE ARCHITECT:

GARY R. WEBER ASSOCIATES, INC 402 WEST LIBERTY DRIVE WHEATON, ILLINOIS 60187



IVIL ENGINEER

MACKIE CONSULTANTS, LLC. 9575 WEST HIGGINS ROAD, SUITE 500 ROSEMONT, ILLINOIS 60018



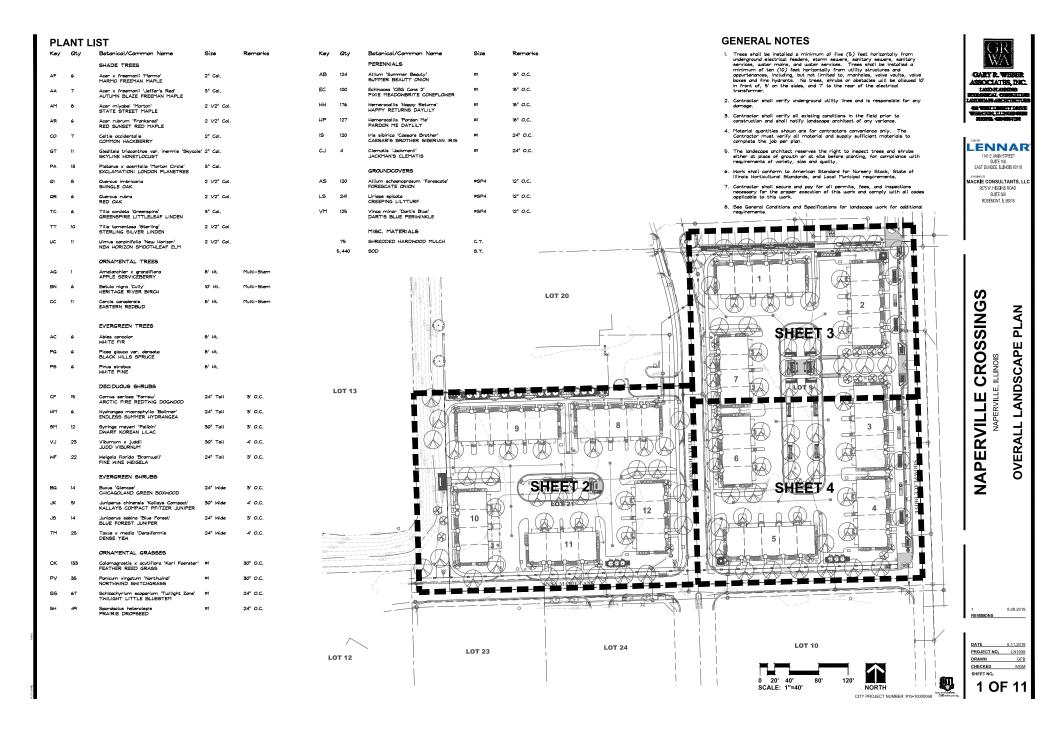
LOCATION MAP

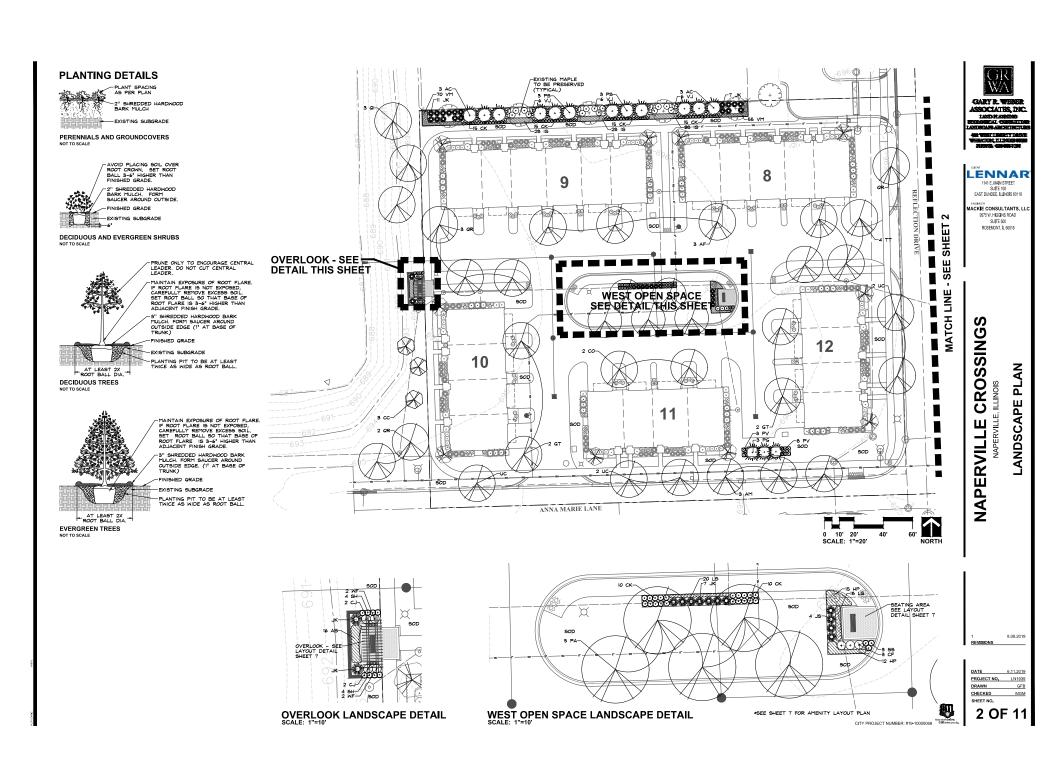
SCALE: 1"=200'

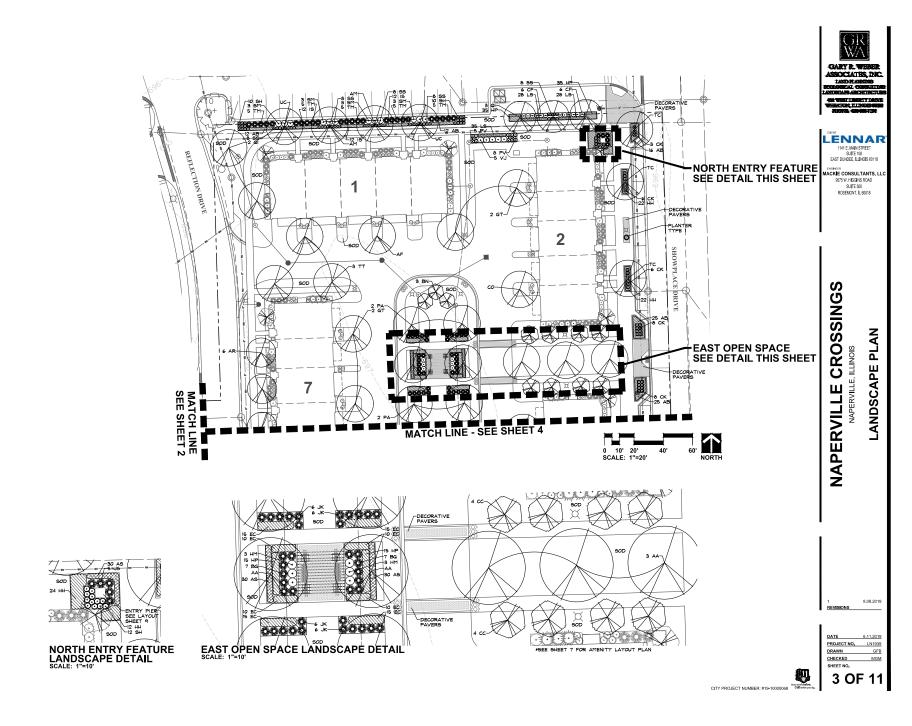
# INDEX OF SHEETS

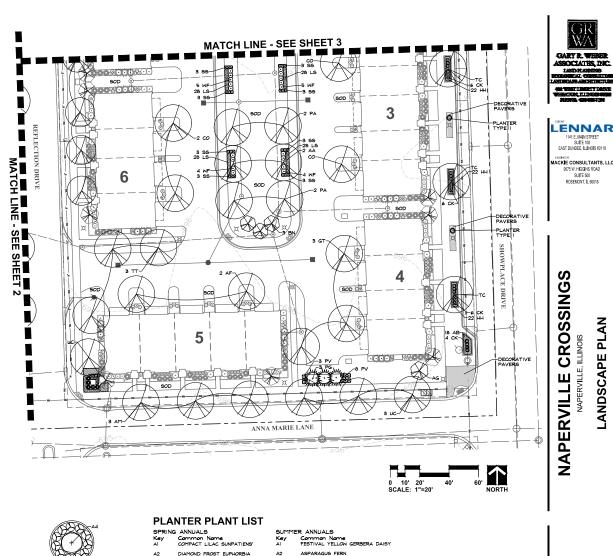
| SHEET NO. | DESCRIPTION              |
|-----------|--------------------------|
| 0         | COVER SHEET              |
| 1         | OVERALL LANDSCAPE PLAN   |
| 2         | LANDSCAPE PLAN           |
| 3         | LANDSCAPE PLAN           |
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HAY-SCENTED FERN FRENCH LAVENDER MOJITO ELEPHANT EAR KING TUT EGYPTIAN PAPYRUS

TYPICAL PLANTER SCALE: 1/2"=1"

# FALL ANNUALS

Key Al PURPLE SWEET POTATO VINE

АЗ HAY-SCENTED FERN PURPLE FOUNTAIN GRASS

#### WINTER ANNUALS

Common Name TOKYO PINK ORNAMENTAL CABBAGE JUNIPER & BOXWOOD BRANCHES

RED DOGWOOD BRANCHES HOLLY & BIRCH BRANCHES DATE

PROJECT NO. LN1939 DRAWN GFB SHEET NO.

4 OF 11

CITY PROJECT NUMBER: #19-10000068

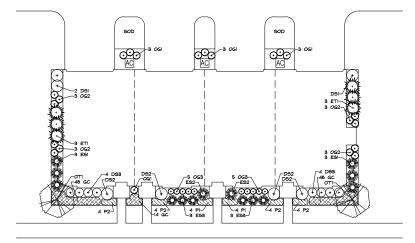


ROSEMONT, L 60018

LANDSCAPE PLAN

**TOWNHOME PLANT LIST - B** 

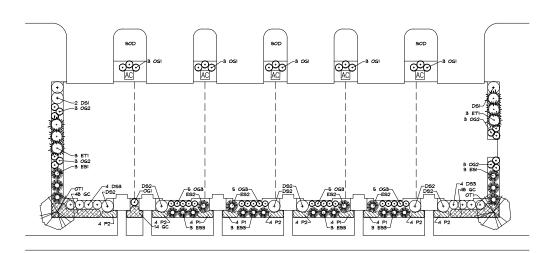
| (BL | DG  | S. 7, 10, & 12)  |          |             | (BL | DG  | S. 3, 6, & 11)   |          |            |
|-----|-----|--|----------|-------------|-----|-----|--|----------|------------|
| Key | Qty | Botonical/Common Name<br>ORNAMENTAL TREES                                      | Size     | Remarks     | Key | Qty | Botonical/Common Name<br>ORNAMENTAL TREES                                | Size     | Remarks    |
| σπ  | 2   | Amelonchier x grandiflora<br>APPLE SERVICEBERRY                                | a' Ht.   | Multi-Stern | στι | 2   | Cornue mas<br>CORNELIAN CHERRY DOGMOOD                                   | 8' HL,   | Mutti-Stem |
|     |     | EVERGREEN TREES  |          |             |     |     | EVERGREEN TREES  |          |            |
| ETI | •   | Thuja accidentalia 'Smaraga'<br>EMERALD GREEN ARBORVITAE                       | 5' Ht.   | 4' O.C.     | ETI | 6   | Thujo occidentalle 'BoilJohn'<br>TECHNY ARBORVITAE                       | 5' Ht.   | 4º O.C.    |
|     |     | DECIDUOUS SHRUBS   |          |             |     |     | DECIDUOUS SHRUBS   |          |            |
| DS1 | 3   | Syringa pubescens sep. patula 'Miss Kim'<br>MISS KIM LILAC                     | 30° Tall | 5' O.C.     | D51 | 5   | Vibumum x juddii<br>JUDD VIBURNUM  | 50" Tall | 5' O.C.    |
| D82 | 4   | Comus serioso 'Forrow'<br>ARCTIC FIRE DOGNOOD                                  | 18" Toll | 4' O.C.     | D82 | 4   | Cornus sanguines 'Cata'<br>ARCTIC SUN DOGHICOD                           | 18" Tall | 4' O.C.    |
| DSS | 8   | Viburrum carlesti 'STVCB'<br>SPICE BABY VIBURNUM                               | 18" Toll | 3' O.C.     | D63 | 8   | itea virginica 'Sprich'<br>LITTLE HENRY VIRGINIA SMEETSPIRE              | 18" Tell | s' o.c.    |
|     |     | EVERGREEN SHRUBS   |          |             |     |     | EVERGREEN SHRUBS   |          |            |
| ES1 | •   | Taxus x media 'Densiformis'<br>DENSE YEM                                       | 24° Mide | 4' O.C.     | ESI | •   | Buxus x 'Glenose'<br>CHICAGOLAND BOXINOOD                                | 24" Wide | 4' O.C.    |
| E62 | 2   | Buxue x 'Giencoe'<br>CHICAGOLAND BOXINOOD                                      | 24" Wide | 4' O.C.     | E92 | 2   | Taxus x media 'Densiformis'<br>DENSE YEX                                 | 24" Hide | 4º O.C.    |
| E53 | 6   | Juniperus x přítseriono 'Kallay's Compact'<br>KALLAY'S COMPACT PFITZER JUNIPER | 24° Mide | 3,5' O,C.   | E52 | 6   | Juniperus chinensis 'Daub's Frosted'<br>DAUB'S FROSTED JUNIPER           | 24" Wide | 3.5' O.C.  |
|     |     | PERENNIALS   |          |             |     |     | PERENNIALS   |          |            |
| PI  |     | Hemerocarilis 'Little Wine Cup'<br>LITTLE WINE CUP DAYLILY                     | #        | 18° O.C.    | PI  | 8   | Hemerocollis 'Hoppy Returns'<br>HAPPY RETURNS DAYLILY                    | **       | 18° O.C.   |
| P2  | 16  | Geronium x 'Brookside'<br>BROOKSIDE GERANIUM                                   | #1       | 18° O.C.    | P2  | 16  | Hosto x 'Potriot'<br>PATRIOT HOSTA                                       | #1       | 18° O.C.   |
|     |     | ORNAMENTAL GRASSES   |          |             |     |     | ORNAMENTAL GRASSES   |          |            |
| OGI | 10  | Colomographia x acutifiara 'Karl Foerster'<br>FEATHER REED GRASS               | **       | 24° O.C.    | OGI | ю   | Colomographie x aputificate 'Karl Fourster'<br>FEATHER REED GRASS        | 81       | 24" O.C.   |
| OG2 | 12  | Ponicum vingotum 'Rotatrohibusch'<br>RED SWITCH GRASS                          | #1       | 24° O.G.    | 062 | 12  | Ponicum virgotum 'Heavy Metal'<br>HEAVY METAL SWITCH GRASS               | #1       | 24" O.C.   |
| OG3 | 10  | Pennisetum olopecuroides 'Desert Plains'<br>PRAIRIE WINDS FOUNTAIN GRASS       | •        | 24° O.C.    | OG3 | ю   | Schizochyrium scoparium 'Proirie Blues'<br>PRAIRIE BLUES LITTLE BLUESTEM | #1       | 24" O.C.   |
|     |     | GROUNDCOVER  |          |             |     |     | GROUNDCOVER  |          |            |
| GC  | 110 | Ajugo reptons "Bronze Beauty"<br>BRONZE BEAUTY BUGLE-RED                       | #6P4     | 12" O.C.    | GC  | 110 | Vince miner 'Dert's Blue'<br>DART'S BLUE PERIMINKLE                      | #8P4     | 12" O.C.   |
|     |     | MISC. MATERIALS  |          |             |     |     | MISC. MATERIALS  |          |            |
|     | 7.5 | SHREDDED HARDWOOD MULCH  | C.Y.     |             |     | 7.5 | SHREDDED HARDWOOD MULCH  | C.Y.     |            |
|     |     |  |          |             |     |     |  |          |            |



TYPICAL 4 UNIT FOUNDATION PLAN SCALE: 1"=10"

# **TOWNHOME PLANT LIST - A** (BLDG. 9)

|   | ,   |     | ,  |          |            |
|---|-----|-----|--|----------|------------|
| 1 | Key | Qty | Betanical/Common Name<br>ORNAMENTAL TREES                                | Size     | Remarks    |
| • | σп  | 2   | Syringe reticulate<br>JAPANESE TREE LILAC                                | e' Ht.   | Multi-Stem |
|   |     |     | EVERGREEN TREES  |          |            |
| , | ETI | 4   | Thujo occidentalis 'Smoragd'<br>EMERALD GREEN ARBORVITAE                 | B' HL    | 4' O.C.    |
|   |     |     | DECIDUOUS SHRUBS   |          |            |
| 1 | DSI | 3   | Syringa pubescens sep. patula 'Miss Kim'<br>MISS KIM LILAC               | 30° Tell | 6' O.C.    |
| 1 | D62 | •   | itee virginice 'Sprich'<br>LITTLE HENRY VIRGINIA SMEETSPIRE              | 18" Tall | 4' O.C.    |
| 1 | DSS |     | Hydrongeo mocrophylla 'Bolimer'<br>ENDLESS SUPPLER HYDRANGEA             | 18" Tell | 3' O.C.    |
|   |     |     | EVERGREEN SHRUBS   |          |            |
| , | E61 | •   | Taxus x media 'Denelformie'<br>DENSE YEN                                 | 24" Wide | 4' O.C.    |
| 1 | E52 | 4   | Butus x 'Glencos'<br>CHICAGOLAND BOXINOOD                                | 24" Wide | 4' O.C.    |
| , | ES3 | 12  | Juniperus conferto 'Blue Pocific'<br>BLUE PACIFIC JUNIPER                | 24" Wide | 3.5' O.C.  |
|   |     |     | PERENNIALS   |          |            |
| 1 | PI  | 16  | Allium lusitanicum 'Summer Beauty'<br>SUMMER BEAUTY ORNAMENTAL ONION     | #1       | 18° O.C.   |
| 1 | P2  | 24  | Hosto x 'Potriot'<br>PATRIOT HOSTA                                       | #1       | 18° O.C.   |
|   |     |     | ORNAMENTAL GRASSES   |          |            |
|   | OG1 | 16  | Penicum virgetum Northwind<br>NORTHHIND SHITCHGRASS                      | •        | 24" O.C.   |
| • | OG2 | 12  | Colomographie brachytricha<br>KOREAN FEATHER REED GRASS                  | #1       | 24° O.C.   |
| • | OG3 | 20  | Schizochyrium scoporium 'Twilight Zone'<br>TWILIGHT ZONE LITTLE BLUESTEM | **       | 24° O.C.   |
|   |     |     | GROUNDCOVER  |          |            |
| • | GC  | 110 | Vince minor 'Dort's Blue'<br>DART'S BLUE PERIMINKLE                      | #SP4     | 12' O.C.   |
|   |     |     | MISC. MATERIALS  |          |            |
|   |     | 9.5 | SHREDDED HARDWOOD MULCH  | c.y.     |            |



TYPICAL 6 UNIT FOUNDATION PLAN SCALE: 1"=10"

ENNAR 1141 E. MAIN STREET SUITE 108 EAST DUNDEE, ILLINOIS 60118

ENGINEER
MACKIE CONSULTANTS, LL

9575 W. HIGGINS ROAD SUITE 500 ROSEMONT, IL 60018

NAPERVILLE CROSSINGS

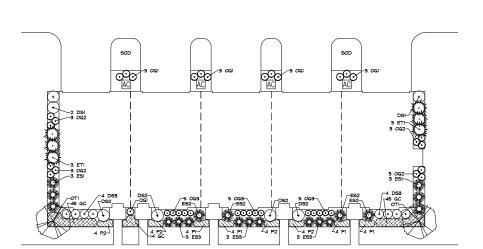
NAPERVILLE, ILLINOIS

**TYPICAL FOUNDATION PLANS** 

8.08.2019

PROJECT NO. LN1939 GFB CHECKED SHEET NO.

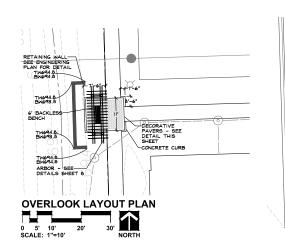
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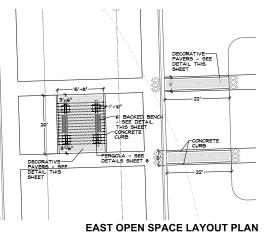


TYPICAL 5 UNIT FOUNDATION PLAN SCALE: 1"=10"

| TOWNHOME PLANT LIST - A<br>(BLDGS. 2 & 4) |             |     |  | TOWNHOME PLANT LIST - B (BLDGS. 1 & 8) |            |             |     |  |               | TOWNHOME PLANT LIST - C (BLDG. 5) |             |     |  |           |            |
|---|-------------|-----|--|--|------------|-------------|-----|--|---------------|-----------------------------------|-------------|-----|--|-----------|------------|
|   | Cay         | Oty | Batanical/Common Name  | Size                                   | Remarks    | Key         | Qty | Batanical/Common Name  | Size          | Remorks                           | Key         | Qty | Batanical/Common Name  | Size      | Remarks    |
|   |             |     | ORNAMENTAL TREES   |  |            |             |     | ORNAMENTAL TREES   |               |                                   |             |     | ORNAMENTAL TREES   |           |            |
|   | ודכ         | 2   | Amelanchier x grandiflora<br>APPLE SERVICEBERRY                          | 8' Ht.                                 | Multi-Stem | <i>0</i> T1 | 2   | Comus mas<br>CORNELIAN CHERRY DOGINOOD                                   | 8' Ht.        | Multi-Stem                        | στι         | 2   | Syrings reticulate JAPANESE TREE LILAC                                     | 8' Ht.    | Multi-Stem |
|   |             |     | EVERGREEN TREES  |  |            |             |     | EVERGREEN TREES  |               |                                   |             |     | EVERGREEN TREES  |           |            |
|   | ETI         | •   | Thuje essidentelle "Smerage"<br>EMERALD GREEN ARBORVITAE                 | 5' Ht.                                 | 4 o.c.     | EΠ          | •   | Thuja occidentalis 'Ballahn'<br>TECHNY ARBORVITAE                        | 5' Ht.        | 4' O.G.                           | ETI         | •   | Thujo occidentalis "Smorogo"<br>EMERALD GREEN ARBORVITAE                   | 5' Ht.    | 4' O.C.    |
|   |             |     | DECIDUOUS SHRUBS   |  |            |             |     | DECIDUOUS SHRUBS   |               |                                   |             |     | DECIDUOUS SHRUBS   |           |            |
|   | <b>18</b> 0 | 3   | Syringo pubescens esp. potulo 'Miss Kim'<br>MISS KIM LILAC               | 30° Tell                               | 8' O.C.    | DSI         | 3   | Viburnum dentatum 'Synnestvedt'<br>CHICAGO LUSTRE ARRONACOD VIBURNU      | 30" Tell<br>M | 5' O.C.                           | DSI         | 3   | Viburnum x juddii<br>JUDD VIBURNUM   | 30" Tell  | €' O.C.    |
|   | 052         | 4   | ites virginics 'Sprich'<br>LITTLE HENRY VIRGINIA SMEETSPIRE              | 18" Tall                               | 4º O.C.    | D92         | 4   | Cornus songuinea 'Coto'<br>ARCTIC SUN DOGMOOD                            | 18" Tell      | 4' O.C.                           | D92         | 4   | Hydrongeo poniculato 'SMHPLGF<br>LITTLE GUICK FIRE HYDRANGEA               | 18" Tell  | 4 O.C.     |
|   | 263         |     | Hydronges macrophylis 'Ballmer'<br>ENDLESS SUMMER HYDRANGEA              | 16" Tall                               | a' o.c.    | D53         | 8   | Fothergillo gardenii<br>DWARF FOTHERGILLA                                | 18° Tall      | 3' O,C.                           | D53         | 8   | Rose x 'Rodrozz'<br>RED KNOCKOUT ROSE                                      | 18" Tall  | 3' O.C.    |
|   |             |     | EVERGREEN SHRUBS   |  |            |             |     | EVERGREEN SHRUBS   |               |                                   |             |     | EVERGREEN SHRUBS   |           |            |
|   | E84         | •   | Taxe x media 'Densiformis'<br>DENSE YEN                                  | 24" Hide                               | 4º O.C.    | E81         | •   | Buxus x 'Glencoe'<br>CHICAGOLAND GREEN BOXINCOD                          | 24" Hide      | 4' O.C.                           | E51         | 6   | Taxus x media 'Densiformis'<br>DENSE YEM                                   | 24° Wide  | # O.C.     |
|   | 192         | 4   | Burus x 'Glencos'<br>CHICAGOLAND GREEN BOXMOOD                           | 24' Wide                               | # O.C.     | E82         | 4   | Taxus x media 'Densiformis'<br>DENSE YEM                                 | 24' Wide      | 4' O.C.                           | ES2         | 4   | Bucus x 'Glensee'<br>CHICAGOLAND BOXHOOD                                   | 24" Wide  | 4' O.C.    |
|   | 553         | 9   | Juniperus chineneis 'Gold Lace'<br>GOLD LACE JUNIPER                     | 24° Mide                               | 3,5' O.C.  | ESS         | 9   | Juniperus conferta 'Blue Pacific'<br>BLUE PACIFIC JUNIPER                | 24" Mide      | 3.5' O.C.                         | E83         | 4   | Juniperus chinerals 'Kolloy's Compoct'<br>KALLAY'S COMPACT PFITZER JUNIPER | 24" Hide  | 3.5' O.C.  |
|   |             |     | PERENNIALS   |  |            |             |     | PERENNIALS   |               |                                   |             |     | PERENNIALS   |           |            |
|   | 91          | 16  | Allium lueitonicum 'Summer Beauty'<br>SUMMER BEAUTY ORNAMENTAL ONION     | =1                                     | 18" O.C.   | PI          | 16  | Hemerocollis "Little Wine Cup"<br>LITTLE WINE CUP DAYLILY                | =             | 18" O.C.                          | PI          | 16  | Hemerocollis 'Hoppy Returns'<br>HAPPY RETURNS DAYLILY                      | <b>21</b> | 18" O.C.   |
|   | 2           | 16  | Hoste x 'Petriet'<br>PATRIOT HOSTA                                       | =1                                     | 18" O.C.   | P2          | 16  | Hosto x 'Potriot'<br>PATRIOT HOSTA                                       | =1            | 18" O.C.                          | P2          | 16  | Geranium x 'Brackside'<br>BROOKSIDE GERANIUM                               | =1        | 18" O.C.   |
|   |             |     | ORNAMENTAL GRASSES   |  |            |             |     | ORNAMENTAL GRASSES   |               |                                   |             |     | ORNAMENTAL GRASSES   |           |            |
|   | 2GI         | 13  | Panioum vingatum 'Northwind'<br>NORTHWIND SWITCHGRASS                    | #1                                     | 24" O.G.   | <b>OGI</b>  | 18  | Colomograptis x acutifions 'Karl Foerster'<br>FEATHER REED GRASS         | •             | 24° O.C.                          | <b>OGI</b>  | 13  | Colomograptis x acutifiora 'Kart Foerster'<br>FEATHER REED GRASS           | 41        | 24° O.C.   |
|   | )G2         | 12  | Colomograetie brachytricha<br>KOREAN FEATHER REED GRASS                  | =1                                     | 24° O.C.   | OG2         | 12  | Ponicum vingatum 'Heavy Metal'<br>HEAVY METAL SWITCH GRASS               | #I            | 24" O.C.                          | OG2         | 12  | Panicum vingatum 'Ratetrohilauech'<br>RED SWITCHGRASS                      | =1        | 24° O.C.   |
|   | 2G3         | 15  | Schizzohyrium ecoporium 'Proirie Blues'<br>PRAIRIE BLUES LITTLE BLUESTEM | =1                                     | 24° O.G.   | OG3         | 15  | Schizzchynium scopanium 'Twilight Zone'<br>TWILIGHT ZONE LITTLE BLUESTEM | =1            | 24° O.C.                          | <i>0</i> G3 | 15  | Pennisetum alopecureides 'Desert Pleins'<br>PRAIRIE WINDS FOUNTAIN GRASS   | =1        | 24° O.G.   |
|   |             |     | GROUNDCOVER  |  |            |             |     | GROUNDCOVER  |               |                                   |             |     | GROUNDCOVER  |           |            |
|   | ic          | 110 | Vince miner 'Dort's Blue'<br>DART'S BLUE PERIMINGLE                      | #5P4                                   | 12" O.C.   | GC          | 110 | Ajugo reptone 'Bronze Beouty'<br>BRONZE BEAUTY BUGLEWEED                 | #SP4          | 12" O.C.                          | GC          | 110 | Sedum rupestne 'Angelina'<br>ANGELINA STONECROP                            | #9P4      | 12" O.C.   |
|   |             |     | MISC, MATERIALS  |  |            |             |     | MISC. MATERIALS  |               |                                   |             |     | MISC. MATERIALS  |           |            |
|   |             |     |  |  |            |             |     |  |               |                                   |             |     |  |           |            |

6 OF 11





SCALE: 1"=10"

SCALE: 1"=10"

6' BACKLESS-BENCH



GARY R. WEBER ASSOCIATES, INC. LAND PLANDERS SECRETAL CONSTITUTE WHENTON, ILLDRONG COM

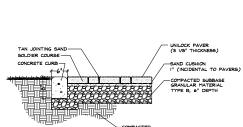
# NAPERVILLE CROSSINGS **AMENITY LAYOUT PLANS**

WEST OPEN SPACE LAYOUT PLAN

8.08.2019

DATE 6.11.2019 PROJECT NO. LN1939 DRAWN GFB CHECKED

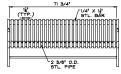
SHEET NO. 7 OF 11



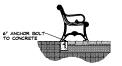
**DECORATIVE PAVER DETAIL** 



DUMOR SITE FURNISHINGS MODEL: BENCH 58 (6' BENCH) COLOR: BLACK MOUNTING: SURFACE INSTALL PER MANUFACTURER'S SPECIFICATIONS



6' BENCH DETAILS



PAVER NOTES:

MANUFACTURER: UNILOCK
PAYER UNIT: HOLLANDSTONE
PAYER COLOR: TO MATCH EXISTING
PAYER PATTERN: HERRINGBONE

INSTALL PER MANUFACTURER'S SPECIFICATIONS.

**BENCH MOUNTING DETAIL** 

## SITE FURNISHING SCHEDULE

| ITEM              | MANUFACTURER    | MODEL            | QUANTITY   | COMMENTS/CONTACT   |
|-------------------|-----------------|------------------|------------|--|
| 6' BACKED BENCH   | DUMOR           | 58               | 2          | COLOR: BLACK   |
| 6' BACKLESS BENCH | DUMOR           | 92               | 2          | COLOR: BLACK<br>SURFACE MOUNT  |
| DECORATIVE PAVERS | UNILOCK         | HOLLANDSTONE     | 1,932 S.F. | COLOR: TO MATCH EXISTING SHOWPLACE DRIVE STREETSCAPE                     |
| CONCRETE CURB     |                 |                  | 234 L.F.   |  |
| RETAINING WALL    | UNILOCK         | LINEO STONE      | 60 F.F.    | COLOR: SIERRA COPING: LEDGESTONE - BUFF SEE ENGINEERING PLANS FOR DETAIL |
| PERGOLA           |                 |                  | 1          | STAIN ONE-YEAR AFTER INSTALLATION  |
| ARBOR             |                 |                  | 1          | STAIN ONE-YEAR AFTER INSTALLATION  |
| PLANTER - TYPE 1  | LANDSCAPE FORMS | ROSA - 42"       | 3          | COLOR: MILLSTONE<br>SIZE: 42" x 13" x 63 Gal.                            |
| UPLIGHT           | KICHLER         | LED ACCENT LIGHT | 5          | 16207AZT42   |

9575 W. HIGGINS ROAD

MACKIE CONSULTANTS. LL SUITE 500 ROSEMONT, L 60018

**CROSSINGS** 

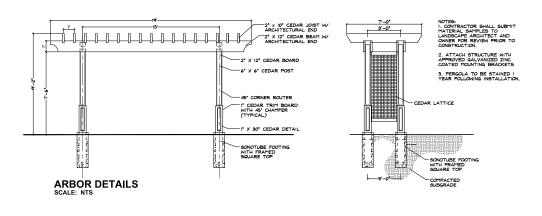
NAPERVILLE, ILLINOIS

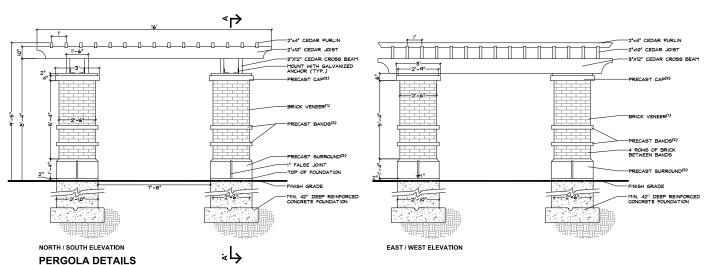
**AMENITY DETAILS** 

NAPERVILLE

DATE 6.11.2019 PROJECT NO. LN1939 DRAWN GFB

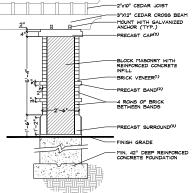
SHEET NO. 8 OF 11





SCALE: 1/2"=1'-0"

- (1) BRICK VENEER MANUFACTURER: BELDEN STYLE: BERWICK RED RANGE SIZE: STANDARD (2) PRECAST CONCRETE COLOR: LIMESTONE OR APPROVED EQUAL



-2"x4" CEDAR PURLIN

SECTION A-A'

8.08.2019 REVISIONS

≺ا≻

NAPERVILLE

3'-6"

**∀ا**≽

-PRECAST CAP<sup>(3)</sup>, ATTACH WITH STAINLESS STEEL DING

-PRECAST<sup>(3)</sup> SIGN PANEL - NORTH \$ SOUTH FACES

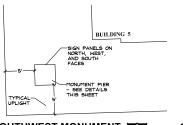
PRECAST<sup>(3)</sup> BAND

- BRICK VENEER<sup>(2)</sup>
ATTACHED WITH
MASONRY TIES
- PRECAST<sup>(3)</sup> SURROUND

-TOP OF FOUNDATION

MIN. 42" DEEP REINFORCED CONCRETE FOUNDATION

COMPACTED SUBGRADE



PRECAST CAP<sup>(3)</sup>, ATTACH WITH STAINLESS STEEL PINS.

DRIP EDGE ALL SIDES

-VINYL FLASHING - CAULK EDGE

PRECAST(3) SIGN PANEL NORTH # SOUTH FACES

BRICK VENEER(2) ATTACHED WITH MASONRY TIES

-MIN. 42" DEEP REINFORCED CONCRETE FOUNDATION

-COMPACTED SUBGRADE

PRECAST(3) BANDS

PRECAST(3) SURROUND

-I" FALSE JOINT

- TOP OF FOUNDATION



3'

3

EAST / WEST ELEVATION



-3'-6"

-3'-2

3" 1

3" 1

SECTION A-A

(1) BRICK VENEER MANUFACTURER: BELDEN STYLE: BERNICK RED RANGE SIZE: STANDARD

(2) PRECAST CONCRETE COLOR: LIMESTONE OR APPROVED EQUAL

-PRECAST CAP<sup>(3)</sup>. ENSURE POSITIVE DRAINAGE. ATTACH WITH STAINLESS STEEL PINS.

BLOCK MASONRY WITH REINFORCED CONCRETE INFILL

BRICK VENEER<sup>(2)</sup> - ATTACHED WITH MASONRY TIES

-PRECAST SUPPOUND ALL SIDES(3)

-WEEPS @ 18" O.C. ALL SIDES

MIN. 42" DEEP REINFORCED CONCRETE FOUNDATION

COMPACTED SUBGRADE

FINISHED GRADE

PRECAST SIGN PANEL(8).

ENNAR 1141 E. MAIN STREET

SUITE 108 EAST DUNDEE, ILLINOIS 60118 ACKIE CONSULTANTS, LL

GARY R. WEBER

ASSOCIATES, INC. LAND HANDENS CROWNELLD IN

400 WHEET LINES TY DRIVE TURE TIME

9575 W. HIGGINS ROAD SUITE 500 ROSEMONT | 60018

G NIS CROS 끸

NAPERVIL

¥ ONUMENT

DET/

# MONUMENT PIER DETAILS

NORTH / SOUTH ELEVATION

#### **ENTRANCE MONUMENT SPECIFICATIONS**

- I,0 DESCRIPTION OF WORK
- A. The work consists of all labor, materials, work and equipment necessary and required to complete manuments, fence and foundations as shown an drawings or specified herein, including but not limited to:
- Submission of color and material samples
- 2. Submission of shop drawings
- Submission of construction schedule
   Verification of existing conditions and underground utilities
- Secure and pay for all permits, fees, inspections and schedule all inspections related to work, including J.U.L.I.E. locates.
- 6. Comply with all applicable codes
- A. Construction shall conform to @Building Code Requirements for Engineered Brick Masonry," BIA, lotest edition.
- B. All brick and stone shall be finest architectural grade free of cracks, chips, defects, etc.
- C. Installation shall be by a company continuously and regularly employed in the installation of brick and stone manuments for a period of at least 5 consecutive years.
- D. No mesonry shall be loid when the temperature is expected to fall below 40 degrees F, unless suitable means, submitted in uriting to the owner, ore provided to have makerials of protect the work. Protect work from cold and frost and insure that morter will handen without freeding. No additives shall be used, unless approved in writing by the owner.
- E. All comers of monuments and piers are to be staked by engineer and verified by the contractor.

# 3.0 JOB CONDITIONS

- A. Exemine and evaluate grades, and soils. Provide soil testing and verify soils structural integrity. Observe the conditions under which work is to be performed and notify the cause of unsatisfactory conditions. Do not proceed with the work until unsatisfactory conditions have been corrected in an acceptable manner.
- All streets and curbs must be cleaned at the end of each working day. D. All OSHA requirements for safety must be adhered to at all times.

#### 4.0 GUARANTEES

SCALE: 1"=5"

- A. Guarantee manuments 1 year from final acceptance on owner's representative on workmanship and materials.
- and invaerable.

  B. Where follures have occurred resulting from the concrete not meeting the specified design strength, or workmorship, it shall be the responsibility of the subcontroctors in connection the supplier to take whotever corrective actions are necessary to eliminate the problem. In addition, it shall be their responsibility to make restitution for their resulting repoir work oresided by the problem.
- A. Construction Scheduler After example of the Contract, the Contractor shall prepare and salmit to the curren or an ounce authorised representative on estimated construction progress schedules for the work, including sub-schedules of related activities which are essential to its progress, as well as local-time for materials.
- Show complete sequence of construction by activity, with dates for beginning and completion of each element of construction. Schedule to represent a continuous flow of construction activities so that there are no days of non-activity on site.
- Product Samples: Submit samples of store, architectural pre-cost, morters and ecolorts, slote, light fixtures, tile, and annamental fencing for the owner's design conformance review prior to delivery to site.
- C. Product Data: Submit product data for stone, limestone, architectural pre-cast, mortans and Joint sealants, slate, tile, light fixtures, and arnamental fencing.
- D. Provide certificate of insurance per the guner's requirements
- F. Shop Drawings:
- 2. Submit one (1) set prints with following items in detail:
- b) Sections
- d) Arrangements of joints and band,
- a) introgenerate to joints and cond.
  Show jointing as indicated on the contract drawings, unless modification is reviewed for design conformance by Owner's Representative prior to preparation of shop drawings.
  4. Establish jointing in accordance with industry standards and practices where not indicated an contract drawings.

#### 6.0 PRODUCT DELIVERY, STORAGE, AND HANDLING A. Leading and Shipment:

- Pack carefully for transportation, with exercise of all customary and reasonable precautions against damage in transit, all brick, and limestone to be used for the work.
- Load and ship all brick and cut stane in a sequence mutually agreed upon by the General Contractor and the material supplier.
- Receive and unload at site all brick and stone with necessary care in handling to avoid damage or sailing.
- Store brick and stone clear of ground on non-staining skids. Wood containing tannin, chemical treatment, or excessive amounts of resin shall not be used.
- Cover brick and stone with waterproof, clean convox, or polyethylens for protection from construction or natural elements.

#### 7.0 INSTALLATION

- A. Morton 1. Cement: white, non-staining masonry cement, conforming to ASTM-C9I.
- Sand: Clean, sharp, and weeked, capable of possing a low. Is sieve, and in conformance with ASTM-CIAA. Carefully select sand for use in pointing morter for color to match limestane. For pointing morter, select a white sand.
- 3. Lime: Hydroted, conforming to ASTM-C207, Type S.
- 4. Nater: Clear, non-alkaline, potable and free of alls, salts, and other harmful elements
- C. Mortor Bede
- 2. Provide sufficient mortar on ends of brick to completely fill head joints.
- 3. Rock closure into place with head joints thrown against two adjacent bricks in place
- D. Mortar Joints; Horizontal and vertical Face joints:
- Nominal thickness: 3/8 inch.
   Construct uniform joints.
- 3. Shave vertical joints tight

#### 4. Tool concave joints in exposed surfaces when thumborint hard,

- 5. Width, depth, and taoling of all mortar joints shall be consistent and shall not vary more than 1/5.
- 6. Movement joints: Keep clean of all mortar and debris.
- 1. Install complete and continuous under stone copings and other projections.
- Lop Joints 6: Seal entire contact surface with mostic.
   Provide a mortor wash at the base of the covity, underneath the through-well flashing, sitching or.
- 4. Cover floshing with mortar. F. Neepholes
- Provide 3/8' cotton rope weeps. Rope weeps shall extend thru the veneer face and inside the cavity, lying on top and along the bottom length of the flashing. Cut rope flush with wall face or
- 2. Maximum spacing: rope weeps: 16 inches a.c., at wall base; 16 inches a.c. at lintels above apenings.
- seepholes and area above flashing free of mortar droppings. 8.0 CLEAN UP AND PROTECTION
- A. All material shall be washed with fiber brushes, soop powder, and clean water or Owner reviewed mechanical cleaning process.
- B. Sand blasting, wine brushes, or acids shall not be used. Exceptions may be considered if neviewed by the Cuner or an Cuner authorized representative.
- During work, store materials and equipment as directed by the owner.

  Protect work and materials from damage due to operations by other trades and tres Maintain protection during installation.
- 9.0 INSPECTION AND ACCEPTANCE
- A. The Owner and or the Owner's representative reserves the right to inspect materials and workmarship at the site prior to, during construction, or at the time of inspection for cornolines with these specifications.



SHEET NO. 9 OF 11

PROJECT NO. LN1939

REVISIONS

DATE

DRAWN

CHECKED

8.08.2019

6.11.2019

GFB

CITY PROJECT NUMBER: #19-10000068 Callisters you do

- 1. This work shall a This work shall consist of preparing the planting beds, seedbed or ground surface, and furnishing transporting and placing plants, mulch, seed, sod, fertilizer and other materials required in the sg
- 2. Planting required for this work is indicated on the Landscape Plans and, in general consists of the following: The establishment of trees, shrubs, perennials, annuals, lawn and natural areas as shown on the Landscape Plans;
- b. The provision of post-planting management as specified herein
- c. Any remedial operations necessary for conformance with The Landscape Plans as specified in this document
- d. The design, furnishing and installation of a complete underground sprinkler system at locations

#### B General

#### 1 Permits

The Landscape Contractor shall be responsible for obtaining any permits required for the completion of the work and shall be responsible for the cost of the same.

#### 2. Field Verification

Upon notice to begin work the Landscape Contractor shall verify all existing conditions of the site and shall report any conditions that will impede the beginning of work to the Landscape Architect in writing. The Landscape Contractor shall examine areas, conditions, grades, soils and water levels under which work is to be performed and notify the Landscape Architect of conditions detrimental to the proper and timely completion of the work.

#### 3. Existing Utilities

The Landscape Contractor shall verify location of all underground utilities before construction. Contact J.U.I.E at 1.800.892.0123; 48 hours prior to digging, Notification of any disturbance of existing utilities shall be given to the Landscape Architect immediately. Should uncharied or incorrect utilities be encountered, notify the Landscape Architect immediately.

#### 4. Inspections of Project

During the construction period, all phases of work shall be available for inspections by the Landscape Architect. All plant materials halt be subject to inspection and approval, and the Landscape Architect the right to reject any plants which fall to meet the standards of this inspection. The Landscape Architect reserves the right to inspect nursery stock either at place of growth or at site for compliance with requirements of variety, so and quality.

#### C.Quality Assurance

- 1. The Landscape Contractor shall provide at least one person who shall be present at all times during execution of this portion of the work and who shall be thoroughly familiar with the type of materials being installed and the best methods for their installation and who shall direct all work performed under this Section and shall comply with work site requirements.
- age Contractor must verify with the Li KD/WHPRWFXUHOWHWR SDO/IRJWHSIRWFWCGSWDWRCHVHWR WHFXUHOVSDO/F600.0 P.DUNG\*) LHC
- 3. The Landscape Contractor shall provide protection for structures, utilities, roads, trees and vegetation from damages caused by settlement, undermining, washout and other hazards created by landscape operations
- 4. The Landscape Contractor shall provide and maintain fences, planking, guard lights, barricades, warning signs and guards as necessary for protection of material storage, curbs, sidewalks, streets, drives and
- 5. Any damage to utilities, structures, plantings, or lawns which result from the Landscape Contractor's course of work will be repaired at the Landscape Contractor's expense, to the satisfaction of the Landscape Architect, in a reasonably timely manner with as little incommentence to the Owner as possibile.
- Existing trees, shrubs and plant material to remain shall be protected. Damage to existing plants which from the Landscape Contractor's course of work shall be repaired by a qualified nurseryman or replace approved material per village ordinance at the expense of the Landscape Contractor.
- 7. S©BÓDOZÓJ WEKCITZHV DOGP HMROZYKDÓBH FROZDWÓZÍ MI WHIÓMAZHRORI 3+ RUBYXMUH 6 MOCEUGZRI 1 XUHU P DO DOGDZGHAMBOROWH GUZ IQIV:
- 8. Landscape Contractor shall maintain all relevant erosion control devises destroyed or disrupted during landscape installation. Erosion control devises include measures shown on the approved erosion control plans, place any additional measures demend necessary by the Owner or public agency having jurisdictioner erosion control. Erosion control devices include, but are not inhibid to, sitt faine, sit raine bales, erosi control tips, filter faibrio in storm structures, filter basistic sitch rhocks and statistion basins.

- tion from the approved plans will be accepted only when satisfactory evidence in writing is submitted andscape. Architect, showing that the plant specified is not available.
- Landscape Contractor shall submit request for approval to substitute plant material available and shall include Common and Botanical names and size of substitute material.
- 3. Only those substitutions of equivalent size and having essential characteristics similar to the originally
- Acceptance or rejection of substitute plant materials will be issued in writing by the Landscape Architect, following approval by Lennar Homes and the governing Municipality or Regulatory Agency.
- 5. Any unauthorized substitutions will be removed and replaced by the Landscape Contractor at the expense of

## E Submittale

- 1. Nursery List: In Bid Proposal Form Landscape Contractor shall identify a list of area nurseries from where nursery stock for the job will be obtained.
- Materials List: Before any plant materials are delivered to the job site, submit to the Landscape Architect a complete list of all plants and other items to be installed and the nursery sources.
- 3. Certification of Inspection: Shall accompany each shipment of plants as may be required by law for transportation. File certificates with the Landscape Architect prior to acceptance of the material. In Federal or State authorities at place of growth does not preclude rejection of the plants at the site.
- Planting Schedule: Submit proposed planting schedule with dates for review and inspection of plants by the Landscape Architect prior to planting.
- Soil Tests: Submit two (2) copies of soils test of existing topsoil with recommendations for soil amend for Landscape Architect's review.
- Seed: Submit seed vendor's certification for required grass seed mixture, indicating percentage by weight, and percentage of purity, germination, and weed seed for each grass species and date tested.
- 7. Sod: Submit sod grower's certification of grass species. Identify source location in Bid Proposal Form.
- Mulch and Erosion Control Blankets: Submit two (2) sample of shredded hardwood bark mulch, erosion control blankets, and all other products and materials as specified on plans to Landscape Architect for control blankets, and all othe review and written approval.
- Verwer and wheeling-purvise.

  Maintenance lesitudions: Submit to the Landscape Architect typewritism instructions recommending procedures to be established by the Owner for the maintenance of landscape work after preliminary acceptance of plantings and furl areas. Submit prior to beginning of warranty period. Instructions after a comparation of the procedure of

- a. Deliver all items to the site in their original containers with all labels intact and legible at the time of
- b. Immediately remove from the site all plants which are not true to name and all materials which do comply with the provisions of these Specifications.
- c. Use all means necessary to protect plant materials before, during, and after installation and to protect the installed work and materials of all other trades.
- d. Cover all plant material transported in open vehicles with a protective covering to prevent windburn

- 2. Time of Planting
  - a. All planting shall be performed during favorable weather conditions and only during normal and accepted planting seasons when satisfactory growing conditions exist.
- b. The planting operations shall not be performed during times of extreme drought, when ground is frozen or during times of other unfavorable climatic conditions unless otherwise approved by the Landscape Architect. The Landscape Contractor assumes full and complete responsibility for such plantings and

#### 1 Diant Material

Provide plants typical of their species or variety with normal, densely developed branches and vigorou fibrous root systems. Provide only sound, healthy, vigorous plants free from defects, disfiguring knots, sunccald injunes, frost cracks, abrasions of the bark, plant diseases, insect eggs, borers, and all forms of infestation. All plants shall have a fully developed from without voids and open spaces.

- a Ballad and buildened plants shall have a firm natural hall of earth of sufficient diameter and don'th ous and fee encompass the fibrous and feeding root system necessary for full recovery of the plant. Provide by NU.H/JERP SDIQUIZ UNIVERHOMMANHOMBORY WHIS PHUFDQ6 VIDCODIGIRUT XXHU (6 VIRFN (0.8 UDFN-GRU
- THEN STORM OF SHOWN IN CHEEN MERCHAN SHOW IT FOR HIS COUNTY HOW DEEP SHOPE IN SHOWE WE. pe Architect. Tree spade must be of a size generally accepted in the trade to safely mo tree size
- c. Container grown stock shall be grown in a container for a sufficient length of time for the root system to have developed to hold its soil together, firm and whole.
- (i) No plants shall be loose in the container.
- (iii) All container plants used on the project shall conform to the sizes indicated on the plant list and on
- d. No evidence of wounds and/or pruning cuts shall be permitted unless approved by the Landscape
- e. When specified by caliper, provide shade and ornamental trees with a single main trunk. When specified by height, provide shade and ornamental trees as multi-stemmed plants with not less than three main trunks and side branches that are generous and well twigged.
- f. Evergreen trees shall be branched to the ground unless otherwise specified and accepted
- g. Provide plants matched in form when arranged in groups. h. All plants shall be nursery grown under climatic conditions similar to those in the locality of the project for a minimum of No. 1-HDU-SRP 95 ZMXNJ (2D DC3103QD N0C0C06/R NH-QMM-RQMOR) 95 PH502 VMC0C06/R 13-MH504 WF30MOR) 95 PH502 VMC0C06/R 13-MH504 SPR NS 900WK00BH QP H5MF0-G07/WM003/101W 0DMDCSR/MR01 R 900W shall be lose in the container.
- (i) Shade Tree and Ornamental Tree caliper shall be measured at a point on the trunk six (6) inches above natural ground line for trees up to and including four (4) inches in diameter, and at a point twelve (12) inches above the natural ground line for trees over four (4) inches in diameter.
- (ii) Height of Evergreen Trees is measured from the natural ground line to the first lateral branch closest to the top.
- (iii) Height of Clump Ornamental Trees is measured from the natural ground line to the be year's growth.
- (iv) Shrub and small plants shall meet the requirements for spread and/or height indicated on the plant list and with not less than the minimum number of canes required by ANSI 260.1 for the type and

#### 2. Sub-drainage Systems

- a. Provide piping types and sizes indicated. Provide matching reducers, adapters, couplings, fittings and accessory components to ensure continuity of the sub-drainage system.
- i) Plastic tubing shall be ASTM F405, corrugated Polyethylene drainage tubing, perforated or solid as
- ILISKE GEDOOLHIIMAKOMEHSSSS+72 IN TITTET VRITTET ERROXOLER OLIEGIG VAROHELLIEDAKO ILL 8 XE GLICO) H ISALICELF V/OBEH: X3 ROW?\ SOU RURMHUROZ R/HQSURAV SROSUS, 80H ICELF approved by the Landscape Architect.

#### 3. Grass Seed a. All seeds shall be guaranteed by the vendor to be true to name and variety

- b. Seed mixtures shall be fresh, clean new crop with a tolerance for purity and germination e the Official Seed Analysts of North America. Seed will not contain any noxious weed seed
- Seed mixtures shall be proportioned by weight and shall be as specified on the drawings. If no seed mix
  is specified, the following general turf seed mix shall be used:
- 65% Improved Kentucky Bluegrass (minimum three (3) varieties
- 25% Improved Perennial Ryegrass (minimum two (2) varieties with endophytes)
- 10% Creeping Red Fescue

#### 4 Frosion Control Blanket

8.) XMUUD HOYURCHWHHGEOLONHIP DWILD INKDOEH XNHGIB HFXUHZUMIIT EIRMINN V

#### 5 Sod

Sed used shall be an approved blend of improved Kentucky Bluegrass (such as: Midnight, Allure, Viva, Washington and Liberty) with a mineral back that is adapted to the locality of work. It shall be either nursery grown of field grown and be well noted. The consistency of adherent sol shall be such that it will not break crumble, or tear during handling and placing of the sod. Landscape Architect reserves the right to reject.

- a. Each piece of sod shall be well covered with turf grass, shall not be less than two (2) years old, shall be from proving weeds and other philadionable plants and shall not contain substances injurious to
- b. All sod used shall comply with state and federal laws with respect to inspection for plant diseases and
- c. Each sod shipment shall be accompanied by an invoice from the vendor giving quantity and certifying that the sod received meets all requirements contained in these specifications.

#### 6. Seed Fertilizer

- a. Fertilizer for seeded areas shall be a granular non-burning product from a commercial source composed of not less than 50% organic slow acting, guaranteed analysis professional fertilizer, uniform in composition, free flowing and suitable for application with approved equipment. Fertilizer types and ratios shall be as follows
- Starter fertilizer with an approximate analysis of 13-25-12 at the rate of 4 lbs. per 1,000 S.F. or similar composition approved by the Landscape Architect.
- Post emergent fertilizer with an approximate analysis of 25-0-5 at a rate of 4 lbs. per 1,000 S.F. or similar composition approved by the Landscape Architect.

# a. Fertilizer for sod areas shall be a granular non-burning professional product from a commercial source, uniform in composition, free flowing and suitable for application with approved equipment. Fertilizer ratio shall be a ratio of 13-25-12 st the rate of 4 lbs. per 1,000. St.

#### 8. Plant Fertilizer

a. Fertilizer for plants shall be a granular non-burning standard commercial grade product, unificomposition, free flowing and suitable for application with approved equipment and an analy 14-14-14 at the rate of 6 lbs. per 1,000 St.

#### 9 Native Planting Mixtures

Provide fresh, clean, new crop of the species and proportions as specified. Native seed and live plant

For each species, the amount of seed indicated on the specifications shall mean the total amount of pure live seed (PLS) per acre. Seed tags and PLS testing information shall be provided to the Landscap

It is the sole responsibility of the Native Landscape Contractor to provide approved seed that meets industry-standard PLS requirements

#### 10. Mulch

- Mutch for tree and shrub planting beds shall be dark shredded hardwood bark mutch, six month old, not QUI HUNDQUI ID 08QUIN DOG III I IDZ IQM IUH RI Z PREFILSV DOG VDZ GXVM 6 XEP IMVD 98I WW DOG/FDSH Archibled for preprint.
- Mulch for perennial flower, annual flower and groundcover planting beds shall be pinebark fines. Submit sample to Landscape Architect for approval.

- Topsoil shall be available adjacent to the community site for use on project or in backfill mixes as specified. Initial fine grading to be done by Excavation Contractor.
- b. Touch up movement and placement of this topsoil shall be at the sole expense of the Landscape
- c. Topsoil stockpile placement will be coordinated with Excavator to ensure easy access to Contractor
- 12. Planting Bed Soil Mixture (Perennial, Annual and Groundcover Beds) A Provide planting soil mixture consisting of equal parts cooled mushroom compost and pinebark fines (Same as Midwest Trading CN30 mix) at 1 C.Y. per 100 S.F. incorporated into all perennial, annual a groundcover areas. Planting pits shall be excavated and fill with frieble topsoil (stockpiled at site) to a GPORN 11 SERVANDOSCO (DOCTRERIDOS SOCIOS) ENGINE (VINC) (MIX).

- b. Downspout Splash Areas: i) \* PZ OJSRAWSKINK DIHOZIOKIZ OZAKONEH III \* PROBIHAVSKINK BRIENZI
- ii) "RZ OASRAWINGOM DUDA IQP XIBN YNDODEN Z DWYNG JUDYHOWE EDYHUU IIII "(GLP HWU DOGULL" GEP HWU UDOWN FREEDWARCH WUDFN Z WY JHRAM WAN WAN WALLEUF ODIO) WGYN DOGERAWP RI
- c 6DOG/6DOGWDØFHERDWH\*WASHGZ/VDOG/
- Retaining Walls: Retaining walls must always be installed in strict compliance with manufacture's recommendations for sizing and reinforcement
- Retaining wall material shall be as specified on the drawings or as approved by the Landscape Architect
- Anti-Desiccant: Anti-Desiccant shall be an applicable emulsion which forms a transparent protection
  over plant surface, permeatite enough to permit transpiration. (Wilt-Pruf, manufactured by Nursen
  Specialty Products, Inc. or approved equal.)
- icide: Herbicide shall be a granular form of herbicide applied in shrub and ground or accordance with the manufacturer's directions and recommendations. Acceptable strict accordance with the manufacturer's d DUH\*71HIQCT:75 RQABU RUBSSENHGHTXDD

#### H Installation and Execution

#### 1. Inspection

- a. Prior to all work of this Section, carefully inspect the installed work of all other trades and verify that such work is complete to the point where this installation may properly commence. Verify that planti may be completed in accordance with the original design and the referenced standards. Work will commence only when satisfactory conditions exist.
- b. Check that grading, including spreading of lospol and all other sub-surface work in lawn areas have been completed and accepted by Lennar Homes. Start of work in this section shall constitute acceptance of grade. Lawn ingistion system must be completed and in operation before seeding and solding begins.
- c. Saturate and fill tree and shrub pits with water to test drainage before planting. Provide gravel drains and venting tubes at pits, which are more than half full of water after 24 hours.
- d. Landscape Contractor shall notify the Landscape Architect prior to plant installation. The Landscape Architect, at his discretion, may inspect all plant material and layout prior to planting.

#### 2. Preparation

## Trees, Shrubs, Perennials, Annuals and Groundcovers

- a. Planting shall be performed only by experienced workmen familiar with planting procedures under the supervision of a qualified supervisor
- b. Locate plants as indicated or as approved in the field by the Landscape Architect after staking by the Landscape Contractor. If obstructions are encountered that are not shown on the drawings, do not proceed with planting operations until attendate locations have been selected by the Landscape
- c. Excavate circular plant pits with tapered sides as shown on the drawing details. In general, all plant pits shall have a rounded bottom with the dopth of the pit equal to the depth of the ball to be planted. The diameter of the pit shall be a minimum of two (2) times the width of the ball.
- d. ( ) ETYON DOEPD, DOGG-EUVIR III GESM EFG-DW DOSH HOODDORDOP HOND UDW IDDOGGOOGE HUDGO JURGOFREHUEFG WICHING IN III DE HOOFGWIS KOWK VUHWAND II QUIDMENHOUFD EFGU HENDAGRU FIRZ GESE II ZEGEMENNO GLOCIAL HOND IV

- a. Seed and sod bed preparation shall not be started until all stones, boulders, debris, and similar material . Seed and soci bed preparation have been strong until all stones, boulders, obtains, and smills material larger than 1 not he parter have been the strong. The arter but be seeded shall be worked to a minimum depth of it inches when a disk or other equipment, more last soil particles to a size not larger than 1 noth in the largest dimension. Been parter or out the control strong the strong stron
- b. Upon completion of the above, any rocks or stones larger than one (1) inch in diameter shall be removed from the surface prior to seeding. If excessive amount of rocks are present in native soil Contractor should contact the Landscape Architect immediately.
- c. Landscape Contractor shall remove all debris and discuss of such material length off-site d. The areas to be seeded shall be assumed to be at final grades established by Excavator. The Landscape Contractor, however, shall be responsible for the proper drainage of the entire area. T Landscape Contractor shall fine grade all turf areas including any grading necessary to eliminate ponding of water, ruits or ridges. Limit preparation to areas which will be grassing within 48 hours.
- e. Immediately prior to the seed and sod bed preparation, specified fertilizer nutrients shall be uniformly spread at the following rate: i) 5 he ner 1000 S.E.
- elevation, with no pockets or low spots in which water can collect. Restore prepared areas to specific condition if erodet, settled, or otherwise disturbed after fine grading and prior to seeding or sodding. Finish grade surface with a drag or rake, Round out at breaks in grade, smooth down all tumps and offices. If Ill not labose end revoket.
- g. In the event of settlement, re-adjust the work to required finish grade

# 3. Planting

Plant nursery stock immediately upon delivery to the site and approval by the Landscape Architect. If immediate planting is not possible a holding area on-site must be established in a location approved by Lennar Homes. All plant material in the holding area must have the rorbotal headed in damp musth and be protected from excessive sun and wind. The Landscape Contractor must operate and maintain the holding area in a neat and orderly appearance.

All planting shall be performed during favorable weather conditions and only during normal and accepted planting seasons when satisfactory growing conditions exist. The planting operations shall not be perform during times of extreme drought, when ground is frozen or during times of extreme drought, when ground is frozen or during times of extreme drought, when ground is frozen or during times of extreme drought, when ground is frozen or during times of other unfavorable climatic conditions unless otherwise approved by the Landscape Architect. The Contractor assumes full and complete responsibility for such plantings and operations

## Trees and Shrubs

- Set plant material in the planting pit to proper grade and alignment. Set plants upright, plumb and fac WAUSH EH-WISSHDUDTH RUHDWISDKIS WHETER RWHURUDGITH CHAWAT WAIT IS HARROUMP DANIED. 1 DERN The adjacent grade. The Contractor is responsible for planting to correct grades and alignment and plants shall be sets to that when settled will bear the same relationship to finished grade as they did before being transported.
- b. Remove all non-biodegradable strings and twine from top of ball. Remove non-biodegradable burlap from to 1/3 of ball after the tree is set in the planting hole. The wire basket should remain. Fold the top portion of the wire basket into the hole.

- c. Any topsol excavated from plant pits shall be used in the backfill soil mixture. No filling will be permitted around trunks or stems. Backfill the pit with topsoil. Do not use frozen or muddy mixture for backfilling. Form a ring of soil around the edge of each planting pit to retain water.
- d. STWUNHWIDESDOWIG SLAWR SURSHLUIDGHERP SCHW! REVRICOURNOGEDHER EDIDE LIDWIHHOWE SDOWD hole with water and allow to soak in. Gradually backfill remaining space around the ball or roots and compact the soil thoroughly using water to eliminate all voids and thoroughly soak the plant root ball
- e. Within 24 hours of planting slowly re-water the plant thoroughly spaking the root half again.
- f. Install enough topsoil to insure finished grades are met after settling.
- g. AI excess soil, other than topsoil, excavated from pits, shall be removed from the holes and left on site in locations designated by Lennar Homes.
- h. After planting apply specified commercial pre-emergent herbicide per manufacturer's directions to all

#### Perennials, Ornamental Grasses, Annual Flowers and Groundcover

- a. Where perennials, ornamental grasses, annual flowers and groundcovers are specified on the plans, prepare entire plant bed incorporating a 1 C.Y. layer of planting soil mixture per 100 S.F. Incorporate commercial 14-14-14 fertilizer into prepared soil mixture at approximate rate of 6 lbs. per 1000 S.F.
- b. Space plants in accordance with dimensions indicated on the plans. Adjust spacing as necessary to HHDD ILIBEODADI IEE DEZ INICOSEDNATI XXXXIV SOOW 3 000W 3 000W 10 HD TINICOSEDNATI WHAY DOO WADEY NIDWASHI HS SOOM DO
- c. After planting apply specified commercial pre-emergent herbicide per manufacturer's directions to all planting beds. Confirm herbicide compatibility with all plant material in beds and notify the Landscape Architect immediately if a conflict exists.

Install seed under favorable weather conditions unless approved by the Landscape Architect. The
conditions of the guarantee apply regardless of the date of installation. The generally accepted times for

#### Spring - April 1st to June 15th

## Fall - September 15th to just before first frost

- Seed indicated areas within contract limits and areas adjoining contract limits disturbed as a result of construction operations.
- c. Seed with specified seed mix at rate specified on the drawings or at a rate of 5 lbs. per 1000 S.F.
- d. Broadcast Seeding: Using a broadcast seeder, sow seed evenly over entire area by sowing equal quantities in two directions at right angles to each other. Do not seed when wind speed exceeds five (5) miles per hour. Seeding by hand is not allowed.
- o.) RIBZ LOJ VH-BQJ WH-DUFD WDIBH-BJ KAD UDN-SVR LCFR-SR LDM VH-B LOR WAS 1111 VR1111 F it soil. Remove all stones and other debris greater than 1 inch in any dimension which are vise removed and disposed of legally of Fisik. Areas shall then be smoothed by rolling with a har
- F. O HERDOGEDOS HHGIQUIIIS VIQUI DEN MUZIRO, WISHT WHISHUDOGER KONSOFIN-LUMRZ, WHIGHMHOD RYHUHOAMHDUHD
- g. Following seeding, all seed areas will be covered with specified erosion control seed matting and stapled
- purco.
  h. Following seeding, raking and matting, the entire area shall be watered by use of lawn sprinklers or other means approved by the Landscape Architect. Landscape Contractor shall assure initial watering continues until the equivalent of two inches of water has been applied to entire seed surface, at a rate which will not displaye the seed.
- Landscape Contractor shall assure watering is repeated thereafter as frequently as required to prever drying of the surface and to ensure proper establishment. j. Landscape Contractor shall mow the Iswm area as soon as top growth reaches a 3 inch height. Cut back to 2 inch height. Not more than 33% of grass leaf shall be removed at any single mowing. The contract shall include a minimum of 3 (three) mowings. Requeit mowing as require to maintain specific height until Landscape Architect issues preliminary acceptance of completed work.
- k. It shall be the Landscape Contractor's responsibility to determine and implement whatever procedur deemed necessary to establish the turf as part of the work. Reseed bare areas and provide erosion control as necessary until complete establishment achieved.

#### Areas of seed installation will not be accepted unit it meets the growth coverage specifications detailed by Illinois Department of Transportation. Sodding

- Transport sod in either a closed van or in properly covered open trucks b. Maintain sod in a moist condition from cutting until placement. Any sod that has dried out, or excessively heated will be rejected and shall be immediately removed and legally disposed of off-site by the Landscape Contractor. Replacement of rejected sod shall be at the expense of the Landscape
- c. Sod shall be placed within 24 hours of cutting. Do not use sod cut for more than 24 hours without the
- d. Sod shall be placed when the ground is in a workable condition and temperatures are less than 90oF Do not lay dormant sod or install sod on saturated or frozen soil or during an extended drought. e. The sod shall be placed on the prepared surface with the edges in close contact and alternate course staggered. Lay sod to form a solid mass with tightly-fitted joints. Butt ends and sides of sod strips. Do sanggeren. Lay soot to rorm a soot mass wen tigmiy-fined joints, sout effoot and soot soot sorts, or not overlay edges. Stagger strips to offset joints in adjacent courses. Remove excess soot now. U smothering of adjacent grass. Provide sod pad top flush with adjacent curbs, sidewalks, drains, and seeded areas.
- f. In ditches, the sod shall be placed with the longer dimension perpendicular to the flow of water in the . in uncress, the soot shall be placed with the longer dimension perpendicular to the flow of water in the dick. On slopes, install preliminary own sod in a straight lite, starting at the bottom of the slope, the sod shall be placed with the longer dimension parallel to the contours of the ground. Place subsequent rows parallel to and lightly against previously installed row. The exposed edges of sod shall be buried flush with the adjacent soil.
- g. All sod shall be rolled with a light drum roller to ensure contact with sub-grade, uniformity and foster root h, 7KHVRGVKDOZEHWONHGRODOWBSHVRI RUVAHSHURISUMHOWOSSDJH 6RGVKDOZEHWONHGZIAK stakes per square yard of sod as necessary to stabilize with at least one stake for each piece of s
- Sodded areas shall be watered to ensure proper establishment. Sod shall be watered thoroughly with fine sprsy immediately after laying and not be altowed to dry out. Any sod that has shrunk shall be replaced. Landacape Contractor shall assure initial watering continues until the equivalent of two inche of water has been applied to entire sod surface, at a rate which will not distodge the sod. j. Landscape Contractor shall assure watering is repeated thereafter as frequently as required to prevent drying of the surface and watering shall continue through preliminary acceptance to ensure proper

- k. Landscape Contractor shall mow the lawn area as soon as top growth reaches a 3 inch height. Cut back to 2 inch height, Not more than 40% of grass leaf shall be removed at any single mowing. The contract shall include a minimum of 3 (they mowings, Repeat mowing as required movings) and the minimum of the promotings. Repeat mowing as required moving and the minimum of the mi Native Seeding and Planting a. The period for planting prairie seed shall be between April 1st and June 15th, or as soon thereafter as the soil is free of frost and in workable condition, and from September 15 to freeze up. If these dates are adjusted, it shall be the responsibility of the Landscape Contractor to ensure establishment of the
- Remove existing grass, vegetation and turf. Dispose of such material legally off-site. Do not turn over into soil being prepared for lawns.
- c. If present, compacted soils shall be disked or raked prior to seeding. Remedial measures for the access area may at direction of the Wetland Consultant, involve ripping from 12-18 inches of the soil horizon prior to disking. d. Prior to seeding, planting areas shall have at least twelve inches of clean un-compacted WISVRD, 8 OP SV:[RRSV:[WICH/RI]]" (GLP HAULURRW DOG RWH-LH), WIDH-RXVP DWMUWDDEHUHP RYHG DOG
- Granular mycorrhizal inoculants shall be installed with the seed mix at a rate of 40 belacre. Inoculant
  can be banded under seed, worked into seed or added into spray tanks. NATIVE AREAS SHALL NOT
  RECEIVE FERTILIZER.
- RECEWE FERMILIZER.

  Contractor shall be solely responsible for the proper handling and storage of the seed according to the best seed handling and storage practices, including fungible treatments and stratification considerations, owner shall make no compensation for damage to the seed because of improper storage, cleaning, threshing or screening operations.



GARY R. WEBER ASSOCIATES, INC.

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8.08.2019 REVISIONS

DATE 6.11.2019 PROJECT NO. LN1939 DRAWN GFB CHECKED

SHEET NO. 10 OF 11

CITY PROJECT NUMBER: #19-10000068 Callieto

#### L GENERAL SPECIFICATIONS CONTINUED

- g. Seeding operations, including installation of erosion control matting, must be accomplished with hours of any area which is fine graded. Fine grade, plant and cover only areas small enough to to completed within the required time frame.
- compress warnin ine requires time ranse.

  Except where sits conditions preduction their uses, seeding shall be performed using a Truax drill, Truax Trillion seeder, or comparable equipment designed specifically for the installation of native seed. For areas where site conditions preducted he use of specialized equipment, seed may be installed through hand broadcasting and followed by light raking. Hand broadcast seed shall be spread at twice the specified ratio. Other emerchos of seed installation may be used with prior approval from the Landscape Architect.
- j. Prior to starling work, all seeding equipment shall be calibrated and adjusted to sow seeds at the proper seeding rate. In general, the optimum seeding depth is 0.25 inch below the soil surface. Areas where the seed has not been incorporated into the soil to the proper depths will not be accepted, and no compensation for materials or labor for the rejected work will be made by the owner.
- k. Seed mixture shall be as specified on the drawings or the specified Prairie planting mixture. Sow not less
- If a broadcast method of seeding is used, the following requirements shall be met. Within twelve hours, it
  conditions permit or as soon thereafter as is practical rake prairie seed lightly into top 114" of soil, not at
  right angles to the run-off with an approved type roller to compact the seedbed and place the seed in tact with the soil.
- m If a drill-seed method is used, rolling of the seedbed will not be required
- n. After the seeding, raking and rolling operations are completed, water with a fine spray and install specified erosion control blanket per manufacturer's specifications over the entire prairie area.
- o. The Landscape Contractor shall monitor all seeded areas to insure at least one inch of water perform a combination of watering and natural rainfall and shall mow plantings to a height of 6-10 it the enhancement of native species until preliminary acceptance by the Landscape Architecture.
- p. It shall be the Landscape Contractor's responsibility to determine and implement whatever procedures deemed necessary to establish the turf as part of the work.
- q. Wet mesic and emergent areas shall be planted and seed allowed to germinate (if possible), prior to the flooding with significant amounts of water. Any areas of significant permanent water located within the planting area will receive live plugs in licu of seed.
- After seeding operation is completed, install erosion control blanket per manufacturer's specific
- Emergent plugs, if used, shall be planted in natural groupings within designed areas containing saturated sols or inundation. Plants within groupings shall be planted at 2 foot centers.
- Emergent plugs shall not be planted less than the specified rate and shall be protected with goose enclosures surrounding all natural groupings of plugs.

#### 4. Preparation of Reconditioned Native Areas

The Contractor chosen for the enhancement and maintenance of native areas must be must be experienced in the restoration, installation, and management of select alreas the must be must be a minimum five years' experience in the field and shall be able to identify non-native and native plants by genus and species. It is imperative that a qualified Native candidates the minimum five years' experience in the field and shall be able to identify non-native and native plants by genus and species. It is imperative that a qualified Native candidacepe Contractor perform the initial installation and

A basic work procedure is outlined below. The contractor is required to evaluate all existing conditions prior to bidding the work. Any proposed changes to the work plan shall be submitted to the Landscape Architect as required under Section 1.3 (A)(B)

#### a. Woody Vegetation Removal

- i. All woody, non-planted species shall be removed from basin slopes and bottoms for existing ponds Contractor will cut all woody species to be removed with hand tools including, but not, limited to gas powered chainsaws, gas powered clearing saws, bow saws, and loppers.
- iii. All stumps shall be cut flat with no sharp points and to within two inches of surrounding grade. Stumps shall be painted with Garlon 4, or equivalent, immediately after cutting.
- iv. A supply of chemical absorbent shall be kept on-site. Spills shall be properly cleaned up and reported
- of work.

  VicU brush piles shall not exceed eight (8) feet in height by welve (12) feet in diameter. Piles shall be speed as necessary to minimize dragging out material. Piles must be located in open areas without cancey branches of preserved trees extending over the julks. Piles shall be build withis blairing prevailing wrids into account. Ash from burn piles shall be dispersed across the site at a depth not to #HH-60 LISEAT SMALL SM
- b. A prescribed burn can be conducted on existing basins as per the Maintenance Section 3.4. Follo-burn, over-seed lower slopes and bottoms of existing basins with Wet Meadow species as necessal (see section 2.4B)
- c. Spot treat invasive and undesirable herbaceous species on existing basin slopes with glycophosphate to remove undesirable species in planted areas. Undesirable species are included, but not limited to, species lat in 1.5C Quarantees.
- d. Over-seed slopes of existing basins with low profile prairie grasses (see section 2.4C) as necessary. Seeding protocol should follow Section 3.2D 8-12 noted below.
- e. If adequate top soil is not present, top soil can be added to slopes with approval of Landscape Architect. Repair: Repair any damages caused by Contractor during completion of the work. Said damages may include but are not limited to tire ruts in the ground, damage to lawn areas, damage to trails, etc. In the event any vegetation to be preserved as damaged, notly the owner within 24 hours. The Contractor will be liable for remedying damages to plant materials to the satisfaction of the owner.

#### 5. Reconditioning Existing Turf

- Recondition existing turf damaged by Contractor's operations, including storage of materials or equipment and movement of construction vehicles.
- b. Provide fertilizer, seed and soil amendments as specified for new lawns and as required to provide a satisfactory reconditioned lawn. Provide topsoil as required to fill low areas and meet new finished
- c. Prior to over-seeding cultivate or rotell bare and compacted areas thoroughly to a depth of four (4) inches. Remove all rocks, stones, turf clumps and other debris larger than one (1) inch in diameter rake smooth.
- d. Remove diseased or unsatisfactory lawn areas. Do not bury into soil. Remove topsoil containing foreign materials resulting from contractor's operations, including oil drippings, stone, gravel and other
- e. Where substantial, but thin lawn remains, rake, aerate if compacted, and cultivate soil, fertilize and seed Water newly seeded areas. Maintain adequate soil moisture as specified for new lawns, until new grass is established.

#### 6. Mulchina

## Trace and Shruhe

a. Apply the specified mulch to a depth of two (2) inches, evenly spread over the entire area of each tree basis and shrub bed. Maintain exposed root flare at all times. Thoroughly water mulched bed areas. After watering, rake mulch to provide a uniform finished surface.

Perennials, Ornamental Grasses, Annual Flowers and Groundcovers

a. Apply the specified mulch to a depth of one (1) inch, evenly spread over the entire area of each planting bed using care to keep foliage exposed. Thoroughly water mulched bed areas.

- a. Prune branches of deciduous stock, after planting, to preserve the natural character appropriate to the particular plant requirements. Remove or cut back dead and bady bruised branches, broken and tangled branches, damaged and unsymmetrical growth of the new wood, suckers, water sprout growth and unnatural growth habits. No plants will be sheared for any reason.
- c. Prune trees and evergreens at the direction of the Landscape Architect and in accordance with standard horticulture practice to preserve the natural character of the plant.
- d. In general, tree pruning requires removing 1/4 to 1/3 of the leaf bearing buds. Prune multiple les plants to preserve the leader which best promote the symmetry of the plant. Do not apply paint:

#### 8. Care of Existing Trees

- Selectively prune existing trees in construction limits as required, at the direction of the Landscape Architect. Remove shoots, dead, rubbing and damaged branching.
- b. Clean up miscellaneous organic debris within construction limits and dispose of legally off-site. 9. Clean-up
- a. The Landscape Contractor shall store materials and equipment, during landscape work, where dire
  by the landscape architect.
- b. The Landscape Contractor shall thoroughly clean the project area daily during the progress of work and
- C. Landscape Contractor shall keep pavement clean and all work areas and adjoining areas in an orderly condition. The Landscape Contractor shall remove and clean any excess dirt or mud left on the streets adjacent to the site as a next of this work daily. The Landscape Contractor shall be liable for any future charges incurred to clean streets effected by his work.
- d. No storing of rubbish or debris will be allowed on the site
- e. No debris shall be buried at the site.
- f. No landscaping debris is allowed on the site dumpsters.
- g. The Landscape Contractor shall protect the property of the owner and the work of other contractors.
- h. The Landscape Contractor shall be directly responsible for all damage caused by the Landscape Contractor's activities and shall remove and properly dispose of all resultant dirt, rubbish, debris and other waste materials resulting from the vork daily.

In addition to normal progress inspections, the Landscape Contractor shall schedule and conduct the following inspections, giving the Landscape Architect at least 24 hours prior notice of readiness for inspection.

- a. Inspection of plants and containers prior to planting.
- ction of plant locations to verify compliance with the current revisions of the Landscape Plans and
- c. Preliminary acceptance inspection after completion of planting. Schedule this inspection sufficiently in advance and in cooperation with the Landscape Architect so that the inspection may be conducted in a
- d. Final acceptance inspection at the end of the maintenance period provided that all previous deficiencies

#### I. Maintenance and Monitoring

- Traditional Landscaping: Landscape Contractor shall maintain all planting, starting with the planting
  operations and continuing until all planting for that portion of the project is complete and through preliminary
  acceptance in writing from the Landscape Architect.
- Maintenance of faints and planting beds shall include resetting plants to proper grades or upright position, restoring planting saucers, lightening and repair of puy wires and stakes, weeding, cultivating, pruning, application of appropriate insecticides and fungicides necessary to keep the plant materials in a healthy growing condition and to keep the planted areas next and attractive.
- b. Maintenance of lawn areas shall be as specified, including spot weeding, mowing, application of weed and insect controls and reseeding necessary to promote proper establishment the lawn areas.
- c. Contractor shall water all sod and plantings for the first two weeks following installation.
- 2. Native Planting Areas: The Owner shall notify the County upon completion of plantings. The Owner's Environmental Specialist shall inspect the plantings and provide the County with a copy of the planting locations, species, and quantities for vertication by appricate regulatory authority.
- a. Native planting areas shall be maintained as specified below, continue for the three full (3) years after preliminary installation acceptance, and meet annual establishment performance criteria:
- ii. First Season With the exception of the emergent area, native seeding areas should be mowed to a KHJKWNTT WERFORDECONCORPOROUNTH DOG IO/O/WHYSHEIW HOLD IO/WHJURZ IO/ PALMON ! WERDINGCONDENDED. OF CONTROL OF MANY PART OF CONTROL OT CONTROL OF C
- ii. Second Season Control of undesirable plant species during the second growing season shall consist primanily of precise herbicide application. Mowing and weed whipping shal be conducted as needed during the early growing season and as needed to a height of 6 to 8 inches to prevent annual weeds from producing seed. Detris and tilter shall be removed from the native areas and storm structures shall be inspected and maintained as necessary.
- i. Third Year Seasonal moving and herbicide will continue as above but should be reduced over time bit that the advanced in investigation because we common as above our standard be inexpected and Debris and littler shall be removed from the native areas and storm structures shall be inspected and maintained as necessary. At the completion of the third growing season (dependent on fuel availability, dominance of graminoid species; and favorable weather conditions), fire may be introduced to the planted areas as a management tool.
- General performance criteria is outlined below. Contractor is responsible to ensure native areas meet Federal, County and local requirements as necessary.
- i. 1st Full Growing Season: 90% of cover crop shall be established. There shall be no bare areas greate That have 29 years to trover trop shall be established. There shall be no bare areas greater than two (29 years feet in seeded areas. At least 25% of orgestation coverage shall be native, non-invasive species. At least 50% of the emergent species, if planted as plugs shall be allive and apparent.
- ii. 2nd Full Growing Season: All areas with the exception of emergent zones shall exhibit full vegetative cover. At least 50% of the vegetation coverage shall be native, non-invasive species.
- iii. 3rd Ful Growing Season: At Jeast 75% of vegetation coverage shall be native, non-invasive s Non-native species shall constitute no more than 25% relative aerial coverage of the planted invasive species for this project shall include the following: Althrosia aerianisficial & trified if Grant Ragreed), Circlium arvonase (Canada Thistel), Dipsacus laciniatus (Cut-laverd Toasel) ved Teasel), Dipsacus Giant Ragweod), Oristum arvense (Canada Tristel), Dipsacus Isoniatus (Cul-leaved Teasel), Dips syvestris (Common Teasel), Lythum salcaria (Purple Loosestrie), Melbutus sp. (Sweet Clover), Phalaris arrudinacea (Read Canary Grass), Phragmites australis (Giant Read), Fallopia (aponica (Japanese Knotwed), Rhamuru cathartica & frangula (Common & Glossy Buckthorn), Typha sp. (Broadleaf, Narrowleaf, and Hybrid Catital).
- c. Long Term Wetland and Prairie Management/N
- A final compliance report and Long-Term Operation and Maintenance Plan shall be submitted by the Developer/Owner's Environmental Specialist no less than 60 days prior to the expiration of any landscape Cash Bond or Letter of Credit posted for the native areas. Final acceptance and release shall be determined by the County/City/USACE upon inspection of the site to verify compliance. The Long-Term Operation and Maintenance Plan shall be written to include guidelines and schedules for burning, mowing, application of herbicide, debris/litter removal and inspection schedule for storm
- State and local nermits shall be required prior to controlled burning. Ruming shall be conducted by state aim local perimits raria or required point to clinicate uniting. Soming aim to ecloritoscate vidented professionals experienced in managing smoke in urbain environments. Prior to a controlled burn, surrounding property owners as well as local fire and police departments shall be notified. A burn plan detailing preferred wind direction and speed, location of fire breaks, and encessary personnel and equipment shall be prepared and utilized in planning and burn implementation.
- The initial burn shall be dependent on fuel availability which is directly related to the quantity and quality
  of grasses contained within the plant matrix. Timing of the burn shall be determined based on results of or or grasses contained to the amount of the contained to the contained to
- iii. Owner to provide all supplemental watering and proper care and maintenance of all plant material seed and sod areas (except for native planting areas) after preliminary acceptance of the Landsca Contractor's work.

#### J. Pretiminary Acceptance

- When the preliminary landscape work is completed, including maintenance, the Landscape Architect will, upon request, make a preliminary inspection of initial installation to determine acceptability.
- 2. The inspection for preliminary acceptance of the initial installation will be for general conformance to establishment of furf areas, specified size, character and quality of plant materials, workmanship and maintenance and shall not relieve the Landscape Contractor of responsibility for full conformance of the contract documents, including cornect species.

- It shall be the responsibility of the Landscape Contractor to verify all work is completed for the initial installation and maintained as per plan prior to notifying the Landscape Architect for preliminary inspection
- 4. For preliminary acceptance of the initial installation all plant material shall be in a healthy growing cor Any plants, lawn areas, workmanship, etc. not meeting the standards will be rejected and the Landsc Contractor will be instructed to make the necessary corrections immediately before preliminary accept the initial installation will be granted.
- 5. Seeded areas will be inspected for acceptance after the first moving by the Landscape Contractor and will be satisfactory provided requirements, including maintenance, have been complied with and a uniform healthy close stand of the specified grass is established, free of weeds, bare spots exceeding 5 by 5 inches, undesirable grass species, disease, insects and surface irregulatrities.
- 6. Sodded areas will be inspected for acceptance after the first mowing by the Landscape Contractor and will be satisfactory provided requirements, including maintenance, have been complied with and when all areas show a uniform stand of the specified grass in a healthy, well-roded, even-rodered, viabel sens condition, free of weeds, undesirable grass species, open joints, bare areas, disease, insects and irregular surfaces.
- 7. The Landscape Contractor shall assume liability for the correction of his work and liability for any other charges incurred due to the correction of his work. The cost of follow-up inspections of the initial installation required to receive acceptance will be charged to the Landscape Contractor.
- 8. Upon the receipt of written acceptance of the preliminary inspection of the initial installation the Owner will be
- The warranty period will begin upon receipt of written acceptance of the preliminary inspection for initial installation from the Landscape Architect.
- After preliminary acceptance of the initial installation and receipt of notification in writing from the scape Architect, the Landscape Architect will recommend the release of payment, less retainers say by the Owner, for the combeted work.
- The release of all fees will be at the discretion of Lennar Homes upon receipt of written invoice from the

#### K. Warranty Agreement

- The Landscape Contractor shall provide a replacement warranty for all plant material and shall guarantee all work free of any defect in quality or workmanship for a minimum period of one (1) year or until final inspection and written acceptance by the Landscape Architect.
- a. Warranties of native plantings are excluded from this section and shall conform to the specified
- The warranty period will be from the date of the Landscape Architect's written preliminary acceptance of initial installation and will continue through the end of the following years growing season upon the final inspection and written acceptance of the work.
- 3. The warranty shall provide against defects including death, unsatisfactory growth, and provides the material The warrainty shall provine against olerects mixed proving search unsensectory grown, and provines the material to be in good, healthy and flourishing condition, except for defects resulting from neglect by the worse, abuse or damage by others or unsused phenomena or incidents which are beyond. Landscape Contractor's control. For varification of such defects, neglect, abuse or damage by others the Landscape Contractor must notify the Landscape Architect in writing immediately upon identifying said occurrences.
- 4. Annual increases in the size of required replacements shall serve to maintain the continuity of the landscape increased in size from the original plan to match the new growth size of the surrounding plants
- 5. The Landscape Contractor shall make as many periodic inspections as necessary, at no extra cost to the Owner during the warranty period to determine what changes, if any, should be made to the Owner's maintenance program. The Landscape Contractor shall submit, in writing to the Landscape Architect, any
- 6. During the warranty period, should the appearance of any plant die, indicate weakness and/or probability of dying, the Landscape Contractor shall immediately begin replacement of said plants with new and healthy plants of the same type and size as soon as weather conditions permit and within a specified plants of the other parts of the same type and size as soon as weather conditions permit and within a specified plants of the same type and size as soon as weather conditions permit and within as specified plants of the same type and size as soon as weather and set of the same type and size as soon as weather so the soon as weather so the soon as weather soon as weather soon as weather soon as weather so the soon as weather soon as weather so that so we so
- The Landscape Contractor shall make all necessary repairs of damage due to plant replacements. Such
  repairs shall be done at no extra cost to the Owner. 8. Replacements shall be in accordance with and subject to all requirements of landscape installation, mulching,
- The Contractor is responsible for the watering and maintenance necessary to ensure establishment of the replacement plants until the Landscape Architect inspects the replacement plants and issues preliminary
- The Landscape Contractor, prior to notifying Landscape Architect for preliminary acceptance, shall maintain the replacement plants for a period of 45 days at no additional cost to the owner.
- 11. The Landscape Contractor shall notify the Landscape Architect in writing, upon completion of replacements and extended maintenance period, for preliminary acceptance and written notification of new warranty period.
- 12. The Landscape Contractor, upon written preferringly acceptance of the immens readication of the Warrishty per language contractor, upon written preferringly acceptance of the respectments, shall warrisht inspection with the end of the following proving season and written final acceptance. The Landscape Contractor shall notify the Landscape Architect in writing at the end of the warranty period of replacement plants for final inspection and acceptance.
- 13. The Landscape Contractor shall remove tree wrapping, tree guy wires, stakes and tags from all established plants prior to contacting the Landscape Architect for final acceptance inspection. Tags, tree wrap, guy wires and stakes shall remain on all replacements until completion of additional warranty period.
- 14. All subsequent inspections required due to unacceptability of the replacements will be at the cost of the

#### L. Final Acceptance

- Inspection of all work will be made by the Landscape Architect at the end of the warranty periods upon written request of the Landscape Contractor.
- 2. The Landscape Architect shall prepare and submit, to Lennar Homes and the Landscape Contractor, a list of warranty replacement lisens to be completed before final acceptance shall be deemed to have occurred. The failure to include any items on such list does not after the responsibility of the Landscape Contractor to complete all work in accordance with the contract.
- 3. The Landscape Contractor shall complete all warranty replacement work as deemed no on of all work required to satisfy the contract and shall notify the Landscape Architect upon completion of all work for review and final acceptance
- 4. The Landscape Architect will perform a final inspection of the completed work with the Landscape Contractor and a representative from Lonnar Insued by the Landscape Architect that will constitute final acceptance of completed work to know.
- After the final inspection and acceptance of the work, the Landscape Architect will notify Lennar Homes in writing and will recommend release of fees in retention for the completed work, except for retention fees deemed necessary by Lennar Homes and the Landscape Architect for work still under additional warranty.
- 6. The Landscape Architect will make a fotow-up inspection of all additional warranty replacements at the written request of the Landscape Contractor and issue a written report accepting satisfactory completion o the warranty obligations and request release of the remaining retention fees.
- 7. The release of all retention fees will be at the discretion of Lennar Homes after receipt of written notification from the Landscape Architect and upon receipt of written invoice from the Landscape Contractor.
- 8. The written final acceptance of all work following any necessary replacements shall terminate the Landscape Contractor's plant warranty perior

## II. DAMAGES: STREET AND SITE

- The Landscape Contractor shall be responsible for any damages to streets, curbs or site improvements as a result of his work or his employees. The Landscape Contractor shall be responsible for any future charges resulting from the repair/replacement of damage.
- 2. Curb damage will be billed to the contractor at fault at a rate of \$25.00 lineal foot with a ten foot minimum
- 3. Subcontractor shall not park on any asphalt or concrete driveways at any time. Violators will be fined \$500

#### IV. TRADITIONAL LANDSCAPE MAINTENANCE

#### A.Turf Maintenance

- a All litter (i.e. naner. cans and bottles) will be removed from turf and plant bed areas prior to mowing.
- b. \$ 000Z O DUHOV Z 100EH P RZ HGZ HHNO VR D KHU KWRI I." TURP IS SUDMURXUK 1 RYHP EHU RUDV QHHQHG II R more than 1/3 of the grass blade is to be removed per cutting. Mowing height may be seasonally adjusted depending upon weather conditions in order to reduce stress and promote healthy turf.
- c. Mowing patterns shall be altered on a weekly basis wherever possible. Mowing patterns shall create straight lines for a more manicured appearance.
- d. Clippings shall be bagged and removed when clipping buildup is such that the excess clipping lay in an unsightly matted condition on the lawn.
- e. The turf shall be cut in such a manner as to avoid blowing clippings toward structures, patios, ai
- f. If the turf could potentially be damaged by equipment due to weather, moving should not be perfor g. Turf bordering vertical surfaces such as foundations, fences, and utility boxes shall be trimmed to match the mowing height.
- h. Clippings shall be removed from all pavement areas

- a Turf areas adjacent to walks, driveways and curbing will be mechanically edged monthly in a uniform
- Shrub beds and tree rings shall be neatly and uniformly edged twice per year; once during the spring cleanup, and again in August or September weather permitting.

#### 3. Fertilizer & Weed Control

- a. Pesticides must be applied by a licensed individual
- b. Notice shall be given to the homeowners association or owner's representative 1 week prior to any
- c. The lawn shall be fertilized three (3) times with a high quality granular or liquid formula. The applications should be made approximately in April, May and September. Timing, frequency and rate of application shall be adjusted to meet the development's current needs and conditions.
- d. A pre-emergent weed control application for annual grass prevention shall be incorporated into the first turf fertilization in spring.
- The entire turf area will be treated one (1) time with a post emergent broad leaf weed control at the appropriate time of year. Spot treatment should be done as necessary.
- Flags shall be posted throughout the community following each fertilizer application. Remove flags once the application is dry or as directed by the product's label.

#### B. Planting Bed Maintenance 1. Pruning

# a. Trees, shrubs and evergreens should be pruned, trimmed or sheared at the appropriate time for each species to maintain the plant's proper form. Methods and timing shall conform to standard horticultural practices. The initial spring pruning will include:

- 1. Removal of dead or injured limbs.
- 2. Removal of branches that are touching structures. 3. Shaping and internal thinning of the plant to allow for its natural form and habit.
- b. Shrubs will be pruned two (2) additional times at the appropriate time so as not to interfere with c. 7UHV/RYHUL! ILOGOP HAUZ ISSORVEH SUXCHGRAN-LINDQUIP RYDORI (RZ. ELDORYHVKO) DUGRAVVALSHGHWADQ
- d, Groundcovers should be pruned twice during the season to maintain a neat appearance
- e. Ornamental grasses should be trimmed during the spring cleanup. f. All pruning debris shall be removed from the site by the contractor immediately after the work is

#### 2 Fertilizer & Weed Control

- a. Pesticides must be applied by a licensed individual.
- Notice shall be given to the homeowner's association 1 week prior to any pesticide application
- c. Pre-emergent weed control shall be applied at the beginning of the growing season. d. Post emergent applications or hand pulling shall be used on any weeds that appear throughout the
- Trees, shrubs and groundcover shall be fertilized one (1) time during the season. The application rate
  will be determined by the specific needs of the plant material.

#### C.Spring & Fall Cleanup

- 1. Spring Cleanup
  - a. Lawn areas and planting beds will be raked as necessary to remove leaves, dead branches, litter and
- b. All mulch beds shall be cultivated to break up any existing compaction in the mulch. c. Fresh mulch should be applied to any bare spots in the planting beds.
- d Monitor plant health and notify homeowner's association or owner's repr

# e. Debris generated during the cleanup shall be disposed of legally off site.

- 2 Fall Cleanup
- All lawn areas will have leaves removed either by raking or through the mowing process so as to prevent leaf buildup on the turf on a weekly basis.
- h. All planting beds will have leaves and debris removed at the end of the season
- c. Perennials without winter interest shall be cut back. d. Monitor plant health and notify homeowner's association or owner's representative of any dead plants.

- e. Debris generated during the cleanup shall be disposed of legally off site. 1. Consumption of alcoholic beverages or drugs on the job site is strictly prohibited
- 2. Any offensive of obnoxious behavior (loud radio, profanity, etc.) is strictly prohibited. Reckless operation of vehicles or equipment by Subcontractor's employees white in the subdivision will not be tolerated.
- 4. Hard hats to be worn by all employees at all times. Failure to comply with Lennar Homes's Safety Policy, OSHA or any other presiding safety institution could result in fines starting at \$100.00 per occurrence. 6. Subcontractor to provide a competent person trained in OSHA requirements on site at all times.

Landscape Contractor Name Landscape Contractor Company\_ Landscape Contractor Signature

DATE 6.11.2019 PROJECT NO. LN1939 DRAWN GFB CHECKED SHEET NO.

GARY R. WEBER ASSOCIATES, INC. 14070-01400 OR WHAT LEADING TY DRIVE REAC TIES

LENNAR SUITE 108 EAST DUNDEE, ILLINOIS 60118

MACKIE CONSULTANTS. LL 9575 W. HIGGINS ROAD SUITE 500 ROSEMONT | 60018

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