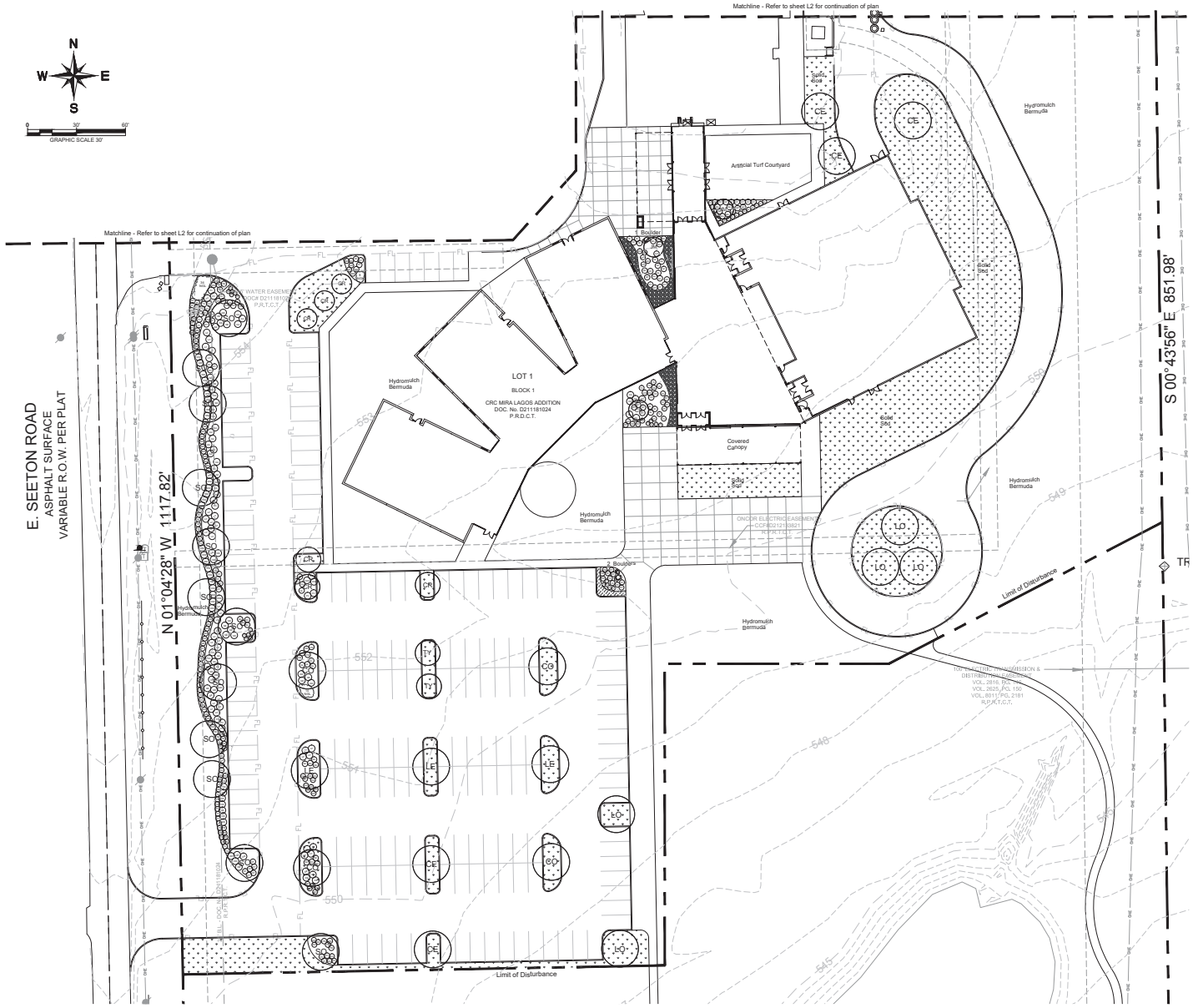


site integration studio

Landscape Architecture • Sustainable Site Planning • Natural Resource Design

John F. Murphy, ASLA

6047 Oak Hill Blvd.
Tyler, TX 75703
John@sitest.com
mark@sitest.com

903.455.3003 - Mobile
903.885.8800 - Tyler
512.905.9004 - Austin
www.sitest.com

TREE LEGEND

Canopy Trees

- LO — Live Oak
- CO — Chinquapin Oak
- CE — Cedar Elm
- SO — Shumard Oak
- LE — Lacebark Elm

Ornamental Trees

- CR — Crapemyrtle
- JM — Japanese Maple
- TY — Tree Yaupon

SHRUB LEGEND

DY	Dwarf Yaupon	RY	Red Yucca
DA	Dwarf Abelia	DB	Dwarf Burford Holly
BA	Japanese Barberry	NGL	New Gold Lantana
AZ	Dwarf Azalea	DIH	Dwarf Indian Hawthorne
RO	Prostrate Rosemary	CO	Coreopsis
WM	Dwarf Wax Myrtle	BM	Big Muhly
DP	Dwarf Pittosporum	TX	Texas Sage
BI	Butterfly Iris	PM	Pink Muhly
MS	Miscanthus	CS	Cherry Sage
VL	Variegated Liriope	PV	Pavonia
LP	Chinese Fringe Shrub	GL	Giant Liriope

HATCH LEGEND

- Solid Sod / Bermuda Grass
- River rock

LANDSCAPE NOTES

1. The project will have an underground automatic irrigation system to water all new plantings.
2. Install 4" layer of shredded hardwood mulch to all planting beds.
3. Install 4" steel edging between all shrub beds and grass areas.
4. Shrub beds to have 12 inches of prepared planting mix (75% import topsoil, 15% composted amendment, 10% washed sand)
5. Shredded hardwood mulch must contain long strands along with double shred finer material obtained from a local source.
6. Install 4 inches of clean topsoil in all areas of the site disturbed by grading and construction operations. Topsoil shall be free from sticks, debris and rocks larger than 2 inches in diameter and have an organic matter level of 3 percent minimum and a pH range between 5.5 and 7.4 percent. Provide soil test analysis from a soil test laboratory showing soil makeup and organic percentage.
7. Hydromulch all areas disturbed by construction activities.

CITY CASE #: XXXXXXX

LEGAL DESCRIPTION:

1355 E. SEETON ROAD
GRAND PRAIRIE, TEXAS 75054
OUT OF THE S.C. NEILL SURVEY,
ABSTRACT NO. 1159
GRAND PRAIRIE, DALLAS COUNTY, TEXAS

CITY OF GRAND PRAIRIE

OWNER:
THE CHURCH ON RUSH CREEK - MIRA LAGOS CAMPUS
1355 E. SEETON ROAD
GRAND PRAIRIE, TX 75054

APPLICANT:
CLAYMOORE ENGINEERING, INC.
1903 CENTRAL DR., SUITE #406
BEDFORD, TX 76021
PH: 817.281.0572

SURVEYOR:
EAGLE SURVEYING, INC.
210 SOUTH ELM STREET, STE 104
DENTON, TX 76201
PH: 940.222.3009

COUNTY:	CITY:	STATE:
DALLAS COUNTY	CITY OF GRAND PRAIRIE	TEXAS

TEXAS REGISTRATION #14199

CLAYMOORE ENGINEERING

1903 CENTRAL DRIVE, SUITE 406
BEDFORD, TX 76021
817.281.0572
WWW.CLAYMOORE.COM

LANDSCAPE ARCHITECT
JOHN F. MURPHY
973
STATE OF TEXAS
1/22/18

CHURCH ON RUSH CREEK
MIRA LAGOS CAMPUS
1355 E. SEETON ROAD
GRAND PRAIRIE, TEXAS 75054

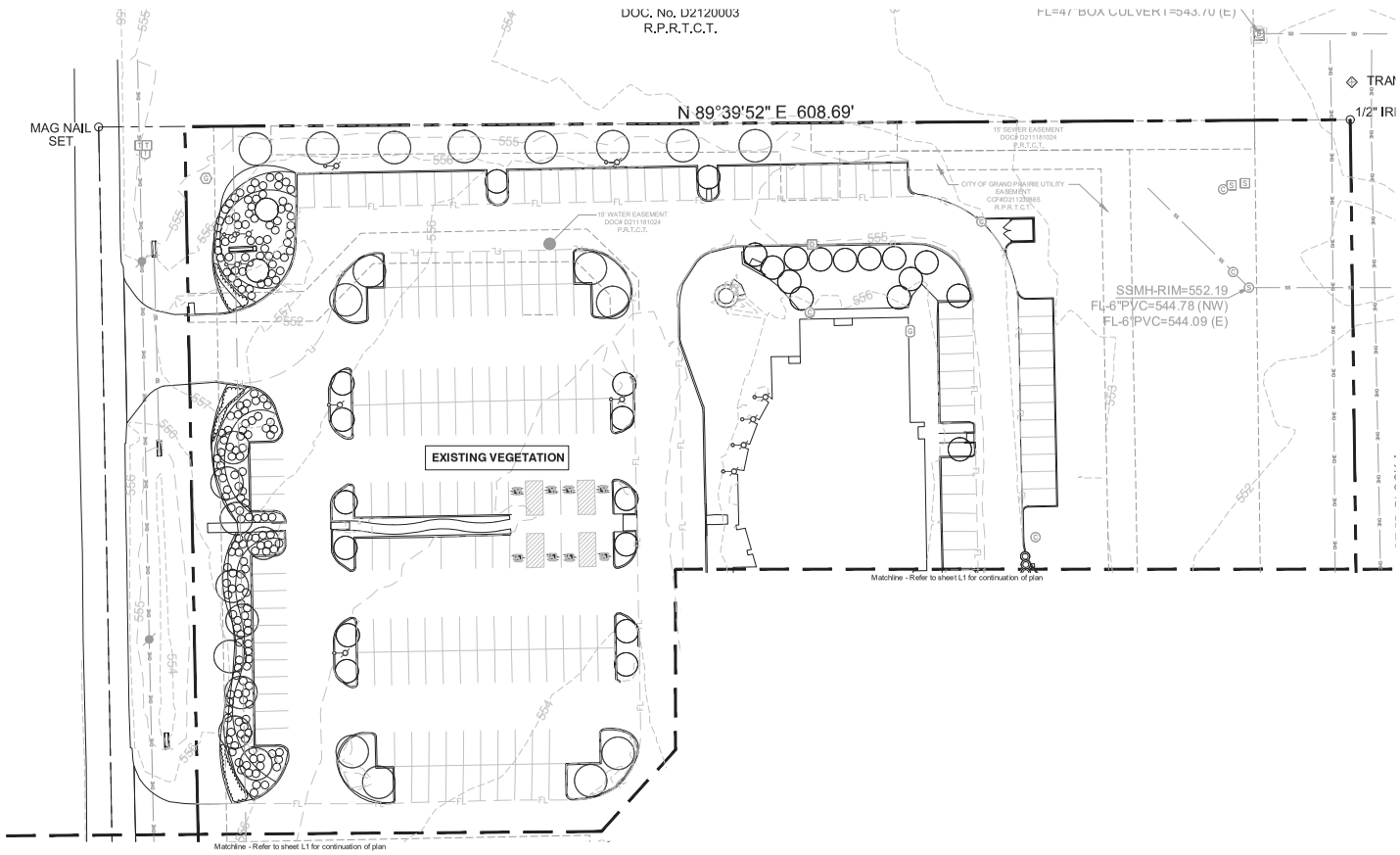
LANDSCAPE PLAN

DESIGN:	ASD
DRAWN:	ASD
CHECKED:	MAM
DATE:	01/22/2018

SHEET
L-1

Case No. XXXXXXXXX
File No. 2017-176

PLOTTED BY: SCOTTFULWILER
PLOT DATE: 1/22/2018 12:51 PM
LOCATION: C:\USERS\SCOTTFULWILER\DOCUMENTS\AUTOCAD_PRP\CHURCH ON RUSH CREEK\CHURCHRUSHCREEK_LS.DWG
LAST SAVED: 1/22/2018 11:41 AM



site integration studio

Landscape Architecture • Sustainable Site Planning • Natural Resource Design

John F. Murphy, ASLA

6547 Cob Hill Blvd.
Tyler, TX 75703
John@sitestud.com
mail@sitestud.com

903.533.3033 - Mobile
903.533.3033 - Tyler
512.303.3004 - Austin
www.sitestud.com

TREE LEGEND

Canopy Trees

- LO — Live Oak
- CO — Chinquapin Oak
- CE — Cedar Elm
- SO — Shumard Oak
- LE — Lacebark Elm

Ornamental Trees

- CR — Crapemyrtle
- JM — Japanese Maple
- TY — Tree Yaupon

SHRUB LEGEND

DY	Dwarf Yaupon	RY	Red Yucca
DA	Dwarf Abelia	DB	Dwarf Burford Holly
BA	Japanese Barberry	NGL	New Gold Lantana
AZ	Dwarf Azalea	DIH	Dwarf Indian Hawthorne
RO	Prostrate Rosemary	CO	Coreopsis
WM	Dwarf Wax Myrtle	BM	Big Muhly
DP	Dwarf Pittosporum	TX	Texas Sage
BI	Butterfly Iris	PM	Pink Muhly
MS	Miscanthus	CS	Cherry Sage
VL	Variegated Liriope	PV	Pavonia
LP	Chinese Fringe Shrub	GL	Giant Liriope

HATCH LEGEND

- Solid Sod / Bermuda Grass
- River rock

LANDSCAPE NOTES

1. The project will have an underground automatic irrigation system to water all new plantings.
2. Install 4" layer of shredded hardwood mulch to all planting beds.
3. Install 4" steel edging between all shrub beds and grass areas.
4. Shrub beds to have 12 inches of prepared planting mix (75% import topsoil, 15% composted amendment, 10% washed sand)
5. Shredded hardwood mulch must contain long strands along with double shred finer material obtained from a local source.
6. Install 4 inches of clean topsoil in all areas of the site disturbed by grading and construction operations. Topsoil shall be free from sticks, debris and rocks larger than 2 inches in diameter and have an organic matter level of 3 percent minimum and a pH range between 5.5 and 7.4 percent. Provide soil test analysis from a soil test laboratory showing soil makeup and organic percentage.
7. Hydromulch all areas disturbed by construction activities.

CITY CASE #: XXXXXXX

LEGAL DESCRIPTION:

1355 E. SEETON ROAD
GRAND PRAIRIE, TEXAS 75054
OUT OF THE S.C. NEILL SURVEY,
ABSTRACT NO. 1159
GRAND PRAIRIE, DALLAS COUNTY, TEXAS

CITY OF GRAND PRAIRIE

OWNER:
THE CHURCH ON RUSH CREEK - MIRA LAGOS CAMPUS
1355 E. SEETON ROAD
GRAND PRAIRIE, TX 75054

APPLICANT:
CLAYMOORE ENGINEERING, INC.
1903 CENTRAL DR., SUITE #406
BEDFORD, TX 76021
PH: 817.281.0572

SURVEYOR:
EAGLE SURVEYING, INC.
210 SOUTH ELM STREET, STE 104
DENTON, TX 76201
PH: 940.222.3009

COUNTY:	CITY:	STATE:
DALLAS COUNTY	CITY OF GRAND PRAIRIE	TEXAS

N W E S

0 30' 60'
GRAPHIC SCALE 30'

TEXAS REGISTRATION #14199

CLAYMOORE ENGINEERING
1903 CENTRAL DR. SUITE 406
BEDFORD, TX 76021
817.281.0572
www.claymoore-eng.com

LANDSCAPE ARCHITECT
JOHN F. MURPHY
973
STATE OF TEXAS
1/22/18

CHURCH ON RUSH CREEK
MIRA LAGOS CAMPUS
1355 E. SEETON ROAD
GRAND PRAIRIE, TEXAS 75054

LANDSCAPE PLAN

DESIGN:	ASD
DRAWN:	ASD
CHECKED:	MAM
DATE:	01/22/2018

SHEET
L-2

Case No. XXXXXXXXX
File No. 2017-176

PLOTTED BY: SCOTTFULWILER
PLOT DATE: 1/22/2018 12:52 PM
LOCATION: C:\USERS\SCOTTFULWILER\DOCUMENTS\AUTOCAD_DRG\CHURCH ON RUSH CREEK\CHURCHRUSHCREEK_LS.DWG
LAST SAVED: 1/22/2018 11:41 AM

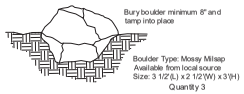
PLANT LIST

CANOPY TREES				
3	LE	Lacebark Elm	Ulmus parvifiora	3 1/2" cal. 65 gal. 12' ht. 5' spread
4	CO	Chinquapin Oak	Quercus muhlenbergia	3 1/2" cal. 65 gal. 12' ht. 5' spread
5	LO	Live Oak	Quercus virginiana	3 1/2" cal. 65 gal. 12' ht. 6' spread
5	CE	Cedar Elm	Ulmus crassifolia	3 1/2" cal. 65 gal. 12' ht. 6' spread
12	SO	Shumard Oak	Quercus shumardii	3 1/2" cal. 65 gal. 12' ht. 5' spread
ORNAMENTAL TREES				
2	TY	Tree Yaupon	Ilex vomitoria	30 gal. 8' ht. multi-trunk female
7	CR	Crapemyrtle	Lagerstroemia indica	30 gal. 8' ht. 3 trunk 2 1/2" cal. min.
2	JM	Japanese Maple	Acer palmatum 'Moonfire'	30 gal. 6' ht. multi-trunk 2 1/2" cal. min.
SHRUBS & GROUNDCOVERS				
44	DY	Dwarf Yaupon	Ilex vomitoria 'Nana'	5 gal. 36" oc
44	DA	Dwarf Abelia	Abelia x grandiflora 'Prostrata'	5 gal. 36" oc
22	BA	Japanese Barberry	Berberis thunbergii 'atropurpurea'	5 gal. 36" oc
5	AZ	Dwarf Azalea	to be selected at time of planting	5 gal. 36" oc
9	RO	Prostrate Rosemary	Rosmarinus prostratus	5 gal. 36" oc
29	WM	Dwarf Wax Myrtle	Myrica pusilla	5 gal. 36" oc
5	DP	Dwarf Pittosporum	Pittosporum tobira 'Wheelers Dwarf'	5 gal. 36" oc
7	BI	Butterfly Iris	Dietes bicolor	5 gal. 36" oc
28	MS	Miscanthus	Miscanthus gracillimus	5 gal. 36" oc
17	VL	Variegated Liriope	Liriope muscari 'Variegata'	1 gal. 18" oc
34	LP	Chinese Fringe Shrub	Loropetalum 'Petite Delight'	5 gal. 36" oc
22	RY	Red Yucca	Hesperaloe parviflora	5 gal. 36" oc
49	DB	Dwarf Burford Holly	Ilex cornuta 'Burfordii'	5 gal. 36" oc
56	NGL	New Gold Lantana	Lantana 'New Gold'	1 gal. 24" oc
27	DIH	Dwarf Indian Hawthorne	Raphiolepis indica 'Pinkie'	5 gal. 36" oc
22	CO	Coreopsis	Coreopsis lanceolata 'Early Sunrise'	1 gal. 18" oc
2	BM	Big Muhly	Muhlenbergia lindheimeri	5 gal. 36" oc
50	TX	Texas Sage	Leucophyllum frutescens 'Silverado'	5 gal. 36" oc
22	PM	Pink Muhly	Muhlenbergia capillaris	3 gal. 30" oc
9	CS	Cherry Sage	Salvia greggii	3 gal. 30" oc
10	PV	Pavonia	Pavonia lasiopetala	5 gal. 36" oc
11	GL	Giant Liriope	Liriope gigantea	3 gal. 36" oc

City of Grand Prairie, Texas
LANDSCAPE CALCULATIONS

Total Site Area	14.212 acres = 619,075 Square Feet
Undisturbed Natural Area	188,732 Square Feet
Net Site Area	430,343 Square Feet

Required Landscape Area		Required	Provided
10%		43,035 Square Feet	176,161 Square Feet
Street Trees	1 tree per 40 LF	Required	Provided
E SEETON ROAD	818 Linear Feet	21 trees	12 new trees + 9 ex. trees
Site Trees and Shrubs		Required	Provided
1 tree per 500 Square Feet		86 trees	89 trees
1 shrub per 50 Square Feet		861 shrubs	434 new shrubs 470 existing shrubs 904 total shrubs
	75% in Frontyard	646 shrubs	772 shrubs (89% in Frontyard)
Parking Lot Trees		Required	Provided
1 tree per 20 spaces	400 spaces	20 trees	15 new trees + 22 ex. trees

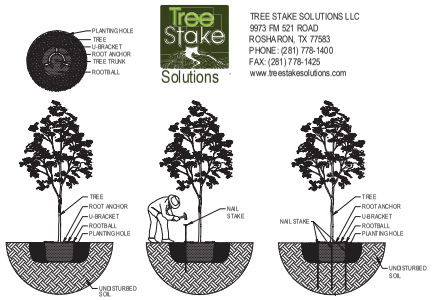


5 BOULDER DETAIL
SCALE: NONE

site integration studio
Landscape Architecture • Sustainable Site Planning • Natural Resource Design
John F. Murphy, ASLA
6047 Cob Hill Blvd.
Tyler, TX 75703
John@sitestud.com
mark@sitestud.com
903.533.3033 - Mobile
903.533.8000 - Tyler
903.509.0004 - Austin
www.sitestud.com

TEXAS REGISTRATION #14199
CLAYMOORE ENGINEERING
1903 CENTRAL DR., SUITE #406
BEDFORD, TX. 76021
817.281.0572
www.CLAYMOORESOFT.COM

CHURCH ON RUSH CREEK
MIRA LAGOS CAMPUS
1355 E. SEETON ROAD
GRAND PRAIRIE, TEXAS 75054



1. WITH TREE IN A STRAIGHT & PLUMB POSITION, CENTER THE APPROPRIATE ROOT ANCHOR SAFETY STAKE AROUND THE TRUNK WITH RINGS LAYING FLAT AGAINST ROOTBALL, U-BRACKETS FACING UP.

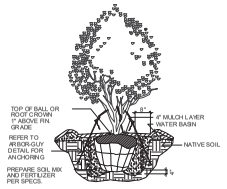
2. INSERT 1 OF 3 NAIL STAKES THROUGH EACH OF THE U-BRACKETS. NAILS SHOULD REST IN THE UNDISTURBED SOIL AT THE BOTTOM OF THE TREE PIT. ALL NAILS SHOULD FIT SNUG AGAINST THE SIDE OF THE ROOTBALL.
(FOR HAND OR MACHINE DUG TREES, IT MAY BE NECESSARY TO PENETRATE 1" - 4" OF OUTER AREA OF THE ROOTBALL WITH THE NAIL.)

3. NAIL STAKES SHOULD BE DRIVEN STRAIGHT DOWN INTO THE UNDISTURBED SOIL BELOW THE ROOTBALL. THE NAILS ARE NOW CAGING THE ROOTBALL IN PLACE, WHILE THE TOP BRACKET PINS THE ROOTBALL DOWN.
AFTER THE TREE STAKE IS INSTALLED, A LAYER OF MULCH CAN BE ADDED OVER THE STAKE. REMOVE ROOT ANCHOR AFTER TREE IS ESTABLISHED.

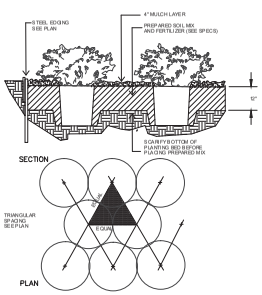
ROOT ANCHOR TM BELOW GRADE SAFETY STAKE SIZING CHART

ITEM #	DESCRIPTION	NAIL LENGTH X 3PC (INCLUDED)	ITEM #	DESCRIPTION	NAIL LENGTH X 3PC (INCLUDED)
5 BG	5 GALLON OR 10" ROOTBALL	#4 X 24"	100 BG	95/100 GALLON OR 36" ROOTBALL	#5 X 48"
15 BG	10/15 GALLON OR 17" ROOTBALL	#4 X 30"	150 BG	150 GALLON OR 42" ROOTBALL	#5 X 60"
30 BG	20/30 GALLON OR 22" ROOTBALL	#4 X 36"	200 BG	200 GALLON OR 48" ROOTBALL	#5 X 72"
45/65 BG	45/65 GALLON OR 27-30" ROOTBALL	#4 X 48"	300 BG	300 GALLON OR 58" ROOTBALL	#5 X 72"

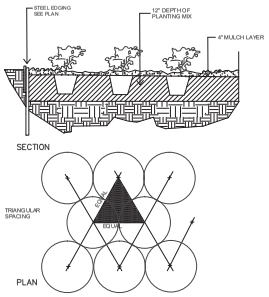
1 CANOPY TREE PLANTING
SCALE: NONE



2 MULTI-TRUNK PLANTING
SCALE: NONE



3 SHRUB PLANTING
SCALE: NONE



4 GROUNDCOVER PLANTING
SCALE: NONE

CITY CASE #: XXXXXXX

LEGAL DESCRIPTION:
1355 E. SEETON ROAD
GRAND PRAIRIE, TEXAS 75054
OUT OF THE S.C. NEILL SURVEY,
ABSTRACT NO. 1159
GRAND PRAIRIE, DALLAS COUNTY, TEXAS

CITY OF GRAND PRAIRIE

OWNER:
THE CHURCH ON RUSH CREEK - MIRA LAGOS CAMPUS
1355 E. SEETON ROAD
GRAND PRAIRIE, TX 75054

APPLICANT:
CLAYMOORE ENGINEERING, INC.
1903 CENTRAL DR., SUITE #406
BEDFORD, TX 76021
PH: 817.281.0572

SURVEYOR:
EAGLE SURVEYING, INC.
210 SOUTH ELM STREET, STE 104
DENTON, TX 76201
PH: 940.222.3009

COUNTY:	CITY:	STATE:
DALLAS COUNTY	CITY OF GRAND PRAIRIE	TEXAS

LANDSCAPE DETAILS

DESIGN:	ASD
DRAWN:	ASD
CHECKED:	MAM
DATE:	01/22/2018

SHEET
L-3

Case No. XXXX.XXX.XX
File No. 2017-176

PLOTTED BY: SCOTTFULWILER
PLOT DATE: 1/22/2018 12:54 PM
PLOT SCALE: 1:1 CUSTOM
LAST SAVED: 1/22/2018 12:54 PM