

# Hillside Grove

## PHASE 1 - COMMUNITY LANDSCAPE ARCHITECTURE

Prepared For:

**EASTON & ASSOCIATES**  
HOWEY-IN-THE-HILLS, FLORIDA

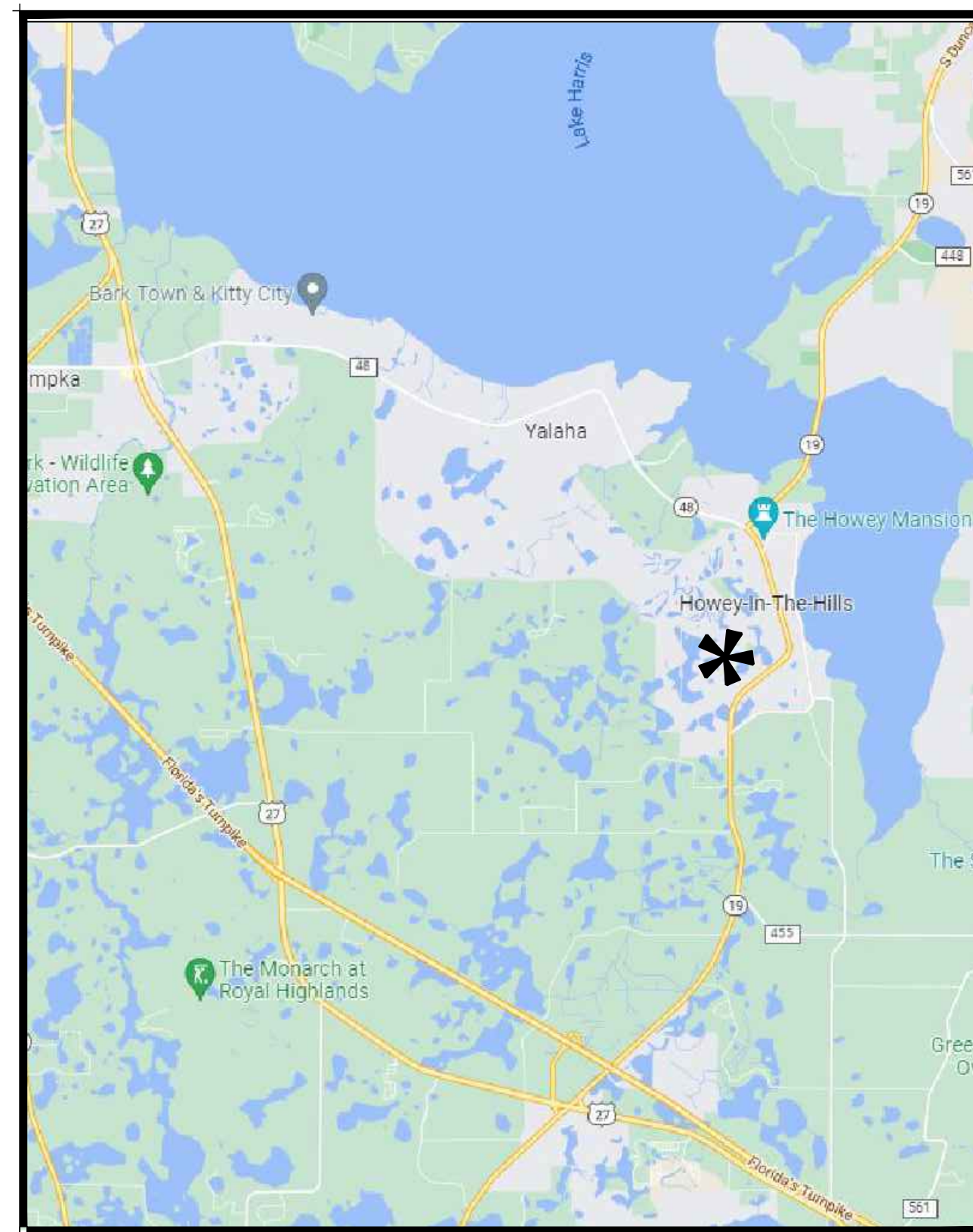
**DEVELOPER / OWNER:**  
**EASTON & ASSOCIATES**  
10165 NW 19th ST  
Miami, FL 33172

**PROJECT CIVIL ENGINEER:**  
**CONNELLY & WICKER, INC.**  
10060 Skinner Lake Drive, Suite 500  
Jacksonville, FL 32246  
Contact: Rick Welch, P.E.  
phone: 904.265.3030

**LANDSCAPE ARCHITECT:**  
**BONNETT DESIGN GROUP, LLC**  
400 South Orlando Ave. Suite 201  
Maitland, FL 32751

Contact: Todd W. Bonnett, RLA, LEED AP, CNU-a  
phone: 407.622.1588

**IRRIGATION DESIGNER:**  
**SPADE IRRIGATION DESIGN**  
307 Dubsdread Circle  
Orlando, Florida 32804  
Contact: Larry W. Spade, PLA, CID  
phone: 407.896.3904



LOCATION MAP  
not to scale

### SHEET INDEX:

L000	COVER SHEET	L500	OVERALL IRRIGATION PLAN
L100	DIGITAL SIGNATURE PAGE	L501	IRRIGATION PLAN
		L502	IRRIGATION PLAN
L200	LAYOUT PLAN	L503	IRRIGATION PLAN
L201	LAYOUT PLAN	L504	IRRIGATION PLAN
		L505	IRRIGATION PLAN
L301	HARDSCAPE DESIGN PLAN	L506	IRRIGATION PLAN
		L507	IRRIGATION PLAN
L400	OVERALL LANDSCAPE PLAN	L508	IRRIGATION PLAN
L401	LANDSCAPE PLAN	L509	IRRIGATION PLAN
L402	LANDSCAPE PLAN	L510	IRRIGATION DETAILS & NOTES
L403	LANDSCAPE PLAN		
L404	LANDSCAPE PLAN		
L405	LANDSCAPE PLAN		
L406	LANDSCAPE PLAN		
L407	LANDSCAPE PLAN		
L408	LANDSCAPE PLAN		
L409	LANDSCAPE PLAN		
L410	LANDSCAPE DETAILS & NOTES		

### Applicable Codes, Regulations, Ordinances and Standards

Town of Howey-In-the-Hills

Rev City Comments 2023-06-26  
Rev City Comments 2022-11-17  
Rev City Comments 2022-09-29  
May 27, 2022

2021.195



**BONNETT design group, llc**  
landscape architecture . community planning  
FL # LC26000341  
400 South Orlando Ave. Suite 201 . Maitland, FL 32751  
407.622.1588 voice . 407.358.5363 fax  
www.BonnettDesignGroup.com





DRAWING PLOTTED: 7/15/2023 1:02:29 PM  
Z:\SHARED\BONNETT DESIGN GROUP\2021\2021.195\_LIN - THE RESERVE AT HOWEY IN THE HILLS\DESIGN\2021.195\_LIN - HILLSIDE GROVE\_PHL\_LABASE.DWG

THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

TODD W. BONNETT, RLA

ON THE DATE ADJACENT TO THE SEAL.



This item signed and sealed by Todd W. Bonnett, RLA. Signature Printed on paper. This does not constitute the signature of an electronic signature.

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED VALID. THE SIGNATURE MUST BE VERIFIED ON THE ELECTRONIC DOCUMENT(S).

BONNETT DESIGN GROUP, LLC  
400 S. ORLANDO AVE, SUITE 201  
MAITLAND, FL 32751  
FLORIDA REGISTRY: BONNETT DESIGN GROUP, LLC LA0001718  
TODD W. BONNETT, RLA, FL LA0001718

THE ABOVE NAMED PROFESSIONAL LANDSCAPE ARCHITECT SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G10-11.011, F.A.C.

INDEX OF SHEETS	
SHEET	TITLE
L001	COVER
L100	DIGITAL SIGNATURE
L200-L201	LAYOUT PLAN
L301	HARDSCAPE DESIGN PLAN
L400	OVERALL PHASING PLAN
L401-409	LANDSCAPE PLANS
L410	LANDSCAPE DETAILS & NOTES
L500-509	IRRIGATION PLANS
L510	IRRIGATION DETAILS & NOTES

© 2022, BONNETT DESIGN GROUP, LLC. ALL RIGHTS RESERVED. DESIGNER HEREBY EXPRESSLY RESERVES HIS COPYRIGHT AND OTHER PROPERTY RIGHTS IN THESE PLANS. THESE PLANS AND DRAWINGS ARE NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, WITHOUT THE EXPRESS WRITTEN PERMISSION AND CONSENT OF BONNETT DESIGN GROUP, LLC NOR ARE THEY TO BE ASSIGNED TO ANY PARTY WITHOUT FIRST OBTAINING SAID WRITTEN PERMISSION.

ature  
es  
RIDA  
PAGE

Hills  
Landscape  
Easton  
HOWEY-IN-THE-HILLS  
DIGITAL

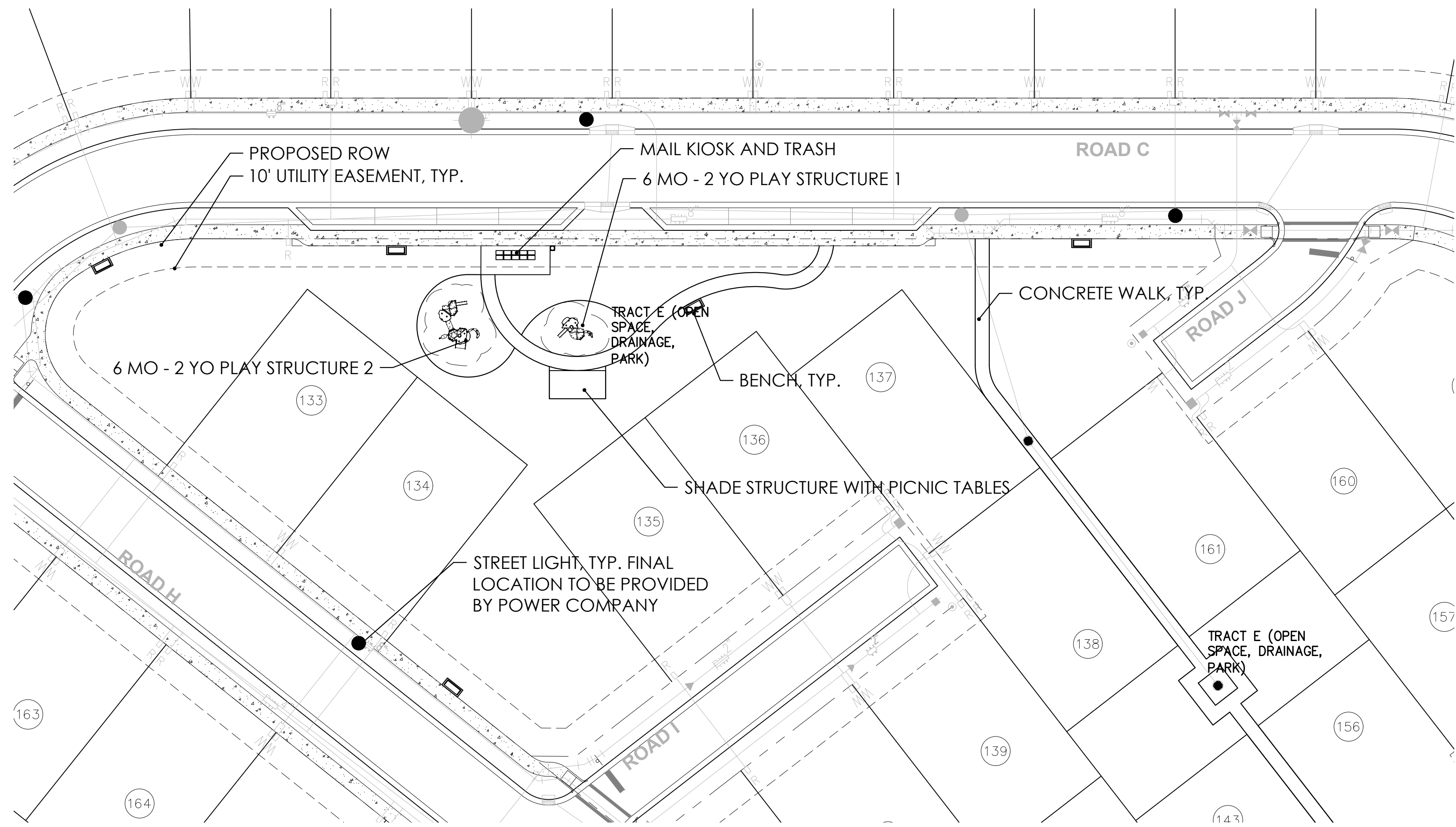
PHASE 1

DATE: May 27, 2022  
DRAWN BY: RTM  
CHECKED BY: TWB  
JOB NUMBER: 2021.195  
FILE NAME: 2021.195\_LIN - HILLSIDE GROVE\_PHL\_LABASE

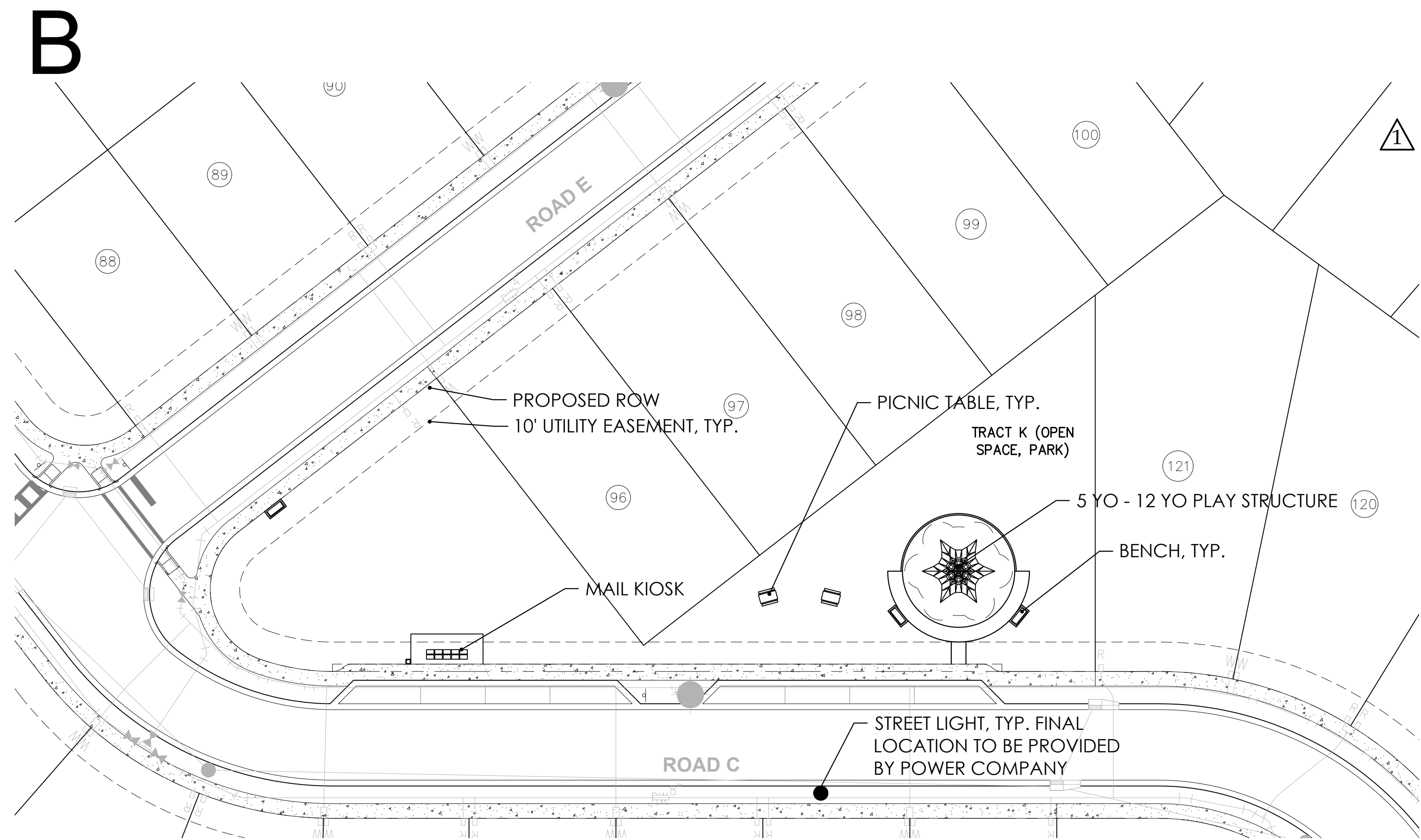
REVISIONS:  
△ City Comments 09-29-2022  
△ City Comments 11-17-2022  
△ City Comments 06-23-2023

L100

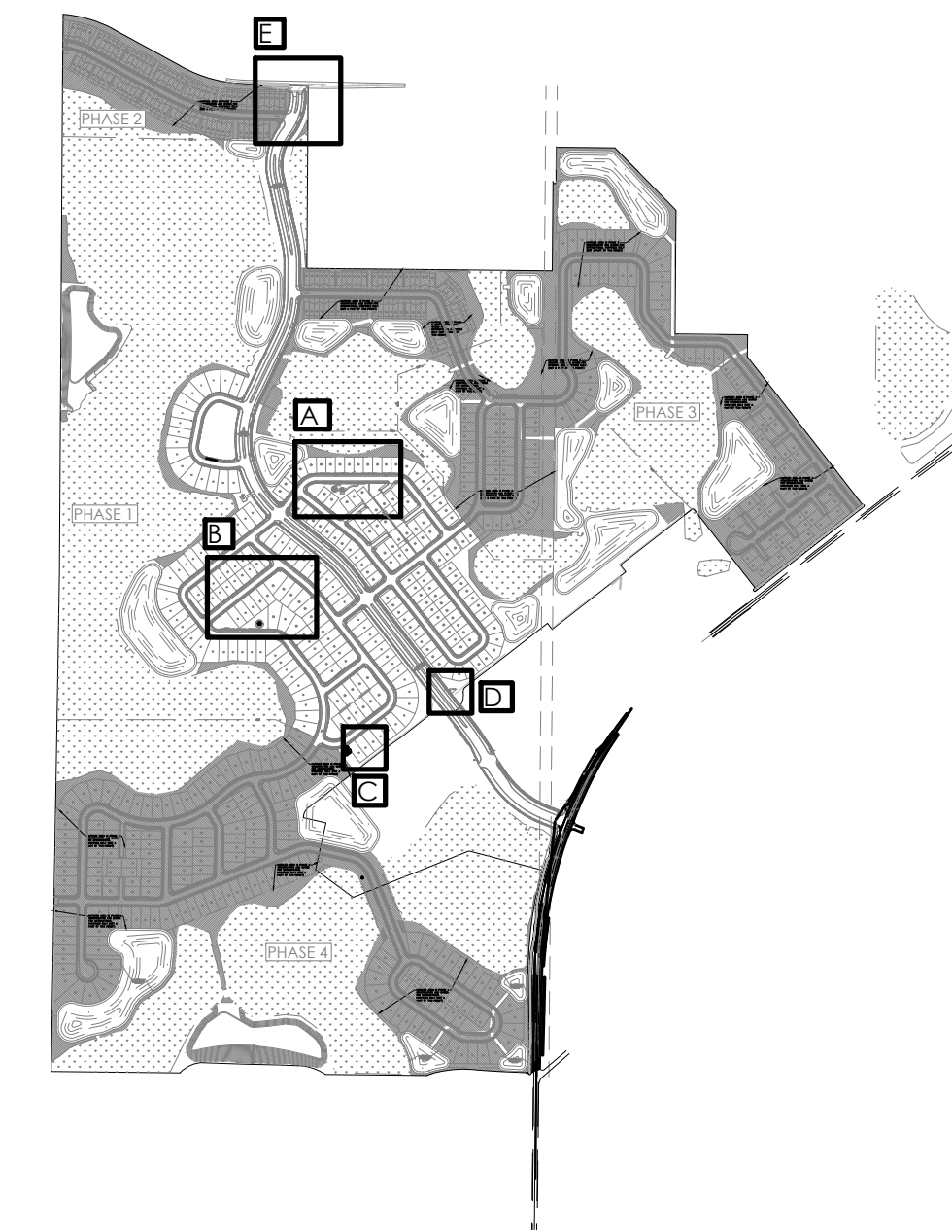
Todd W. Bonnett, RLA, FL LA0001718



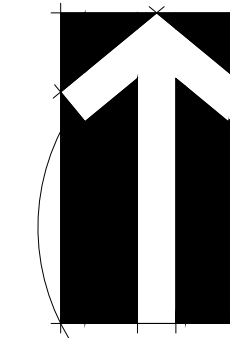
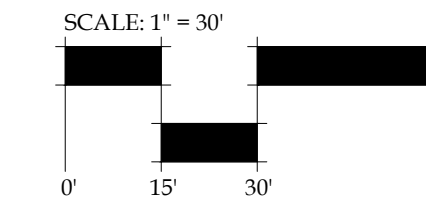
A



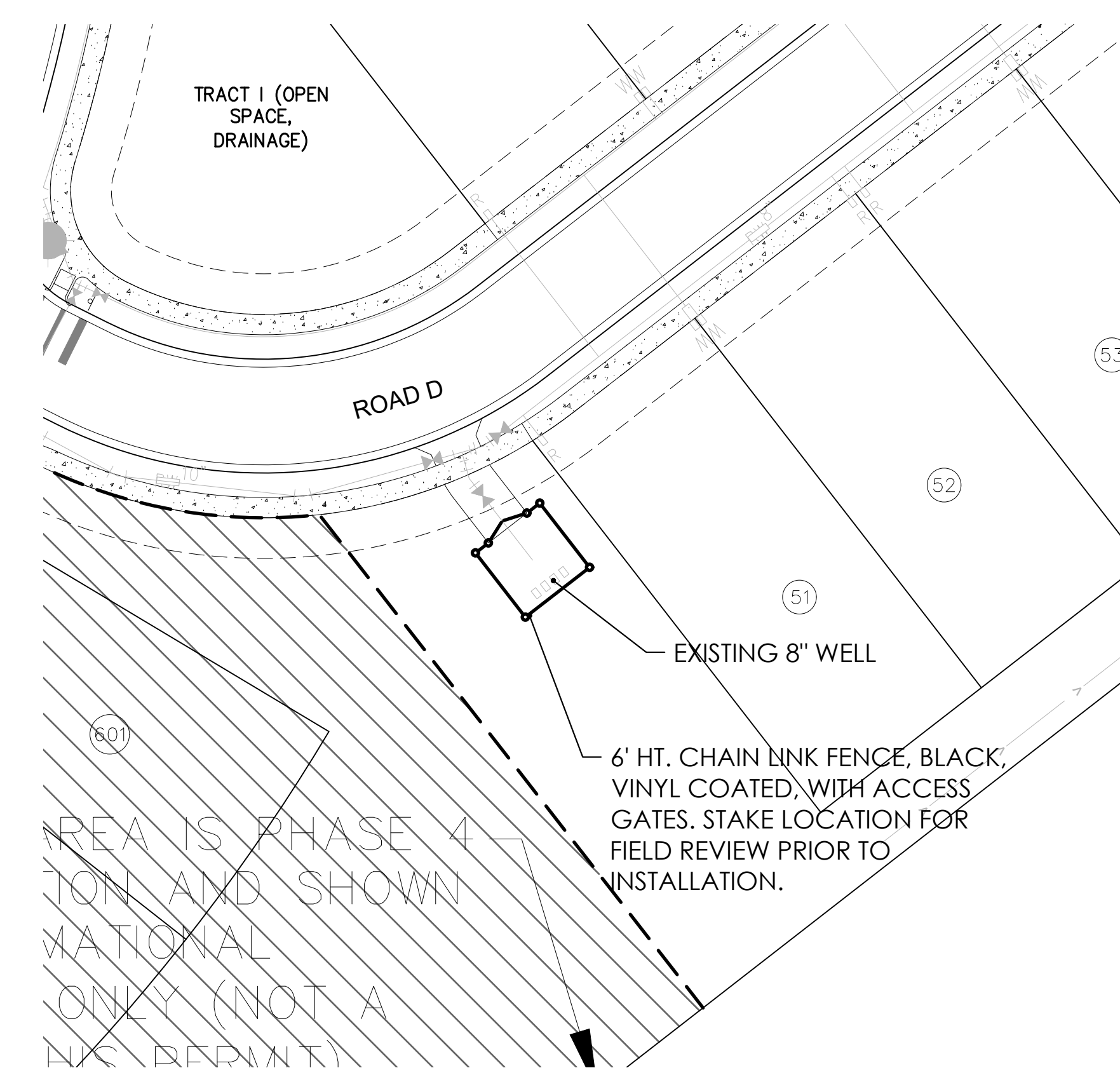
B



KEY MAP



SITE PLAN UPDATE



DRAWING PLOTTED: 7/12/2022 1:02:31 PM  
Z:\SHARE\BONNETT DESIGN GROUP\2021\2021.195\_LEN - THE RESERVE AT HOWEY IN THE HILLS\DESIGN\2021.195\_LEN - HILLSIDE GROVE\_PHL\_LABASE.DWG



BONNETT design group, llc  
landscape architecture  
community planning  
FL LC 26000341  
400 South Orlando Ave, Suite 201  
Maitland, FL 32751  
407.622.1588 voice

Hillside Grove  
Landscape Architecture  
Easton & Associates  
HOWEY-IN-THE-HILLS, FLORIDA  
LAYOUT PLAN

PHASE 1

DATE: May 27, 2022  
DRAWN BY: RTM  
CHECKED BY: TWB  
JOB NUMBER: 2021.195  
FILE NAME: 2021.195\_LEN - HILLSIDE GROVE\_PHL\_LABASE

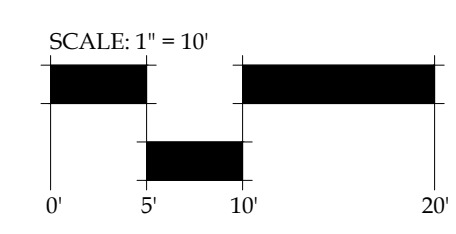
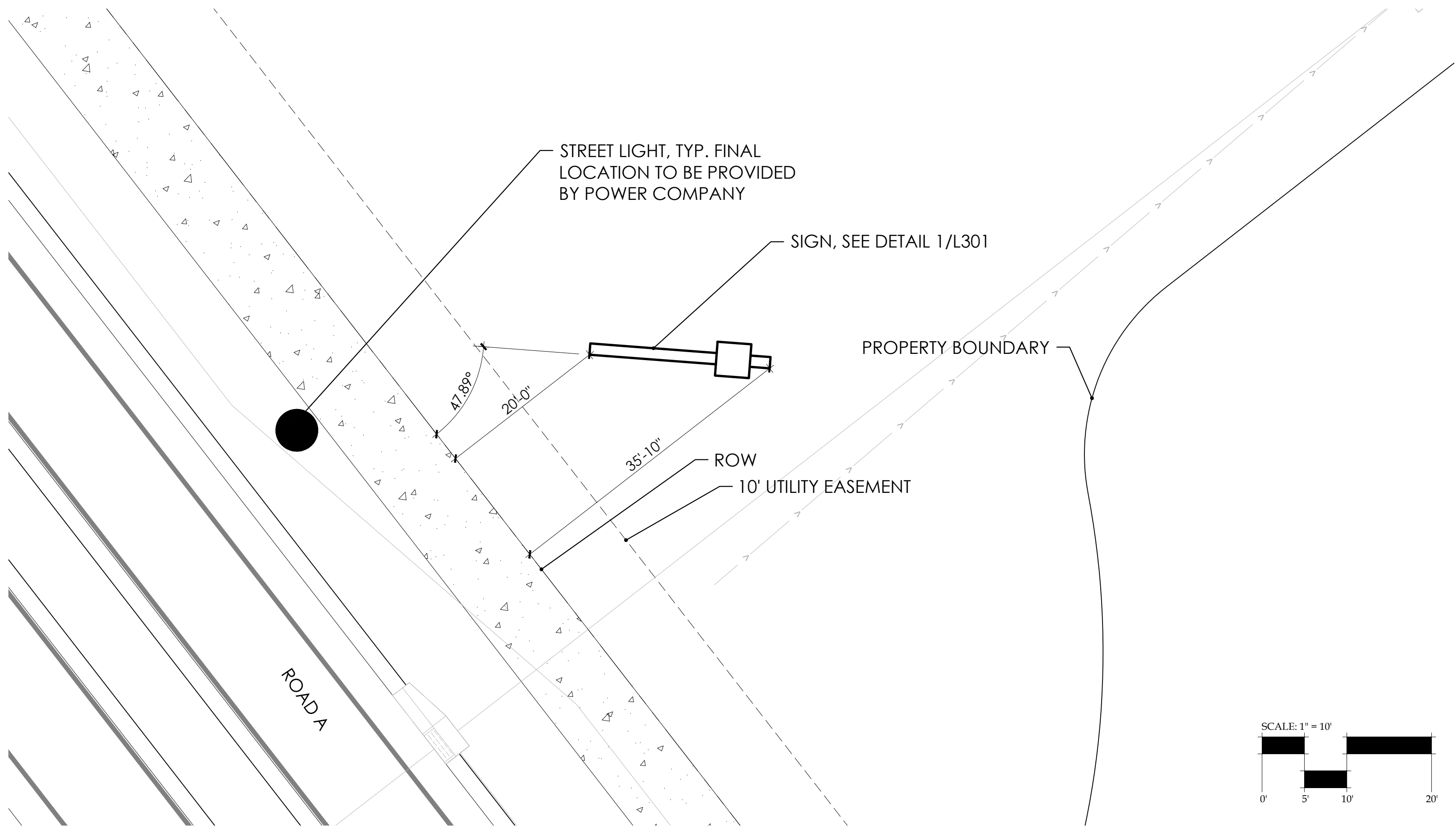
REVISIONS:  
1 City Comments 09-29-2022  
2 City Comments 11-17-2022  
3 City Comments 06-23-2023

L200

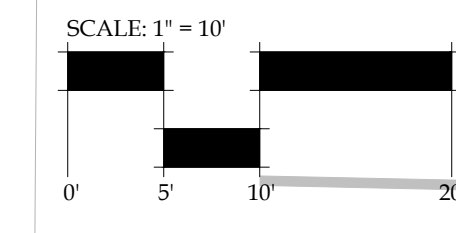
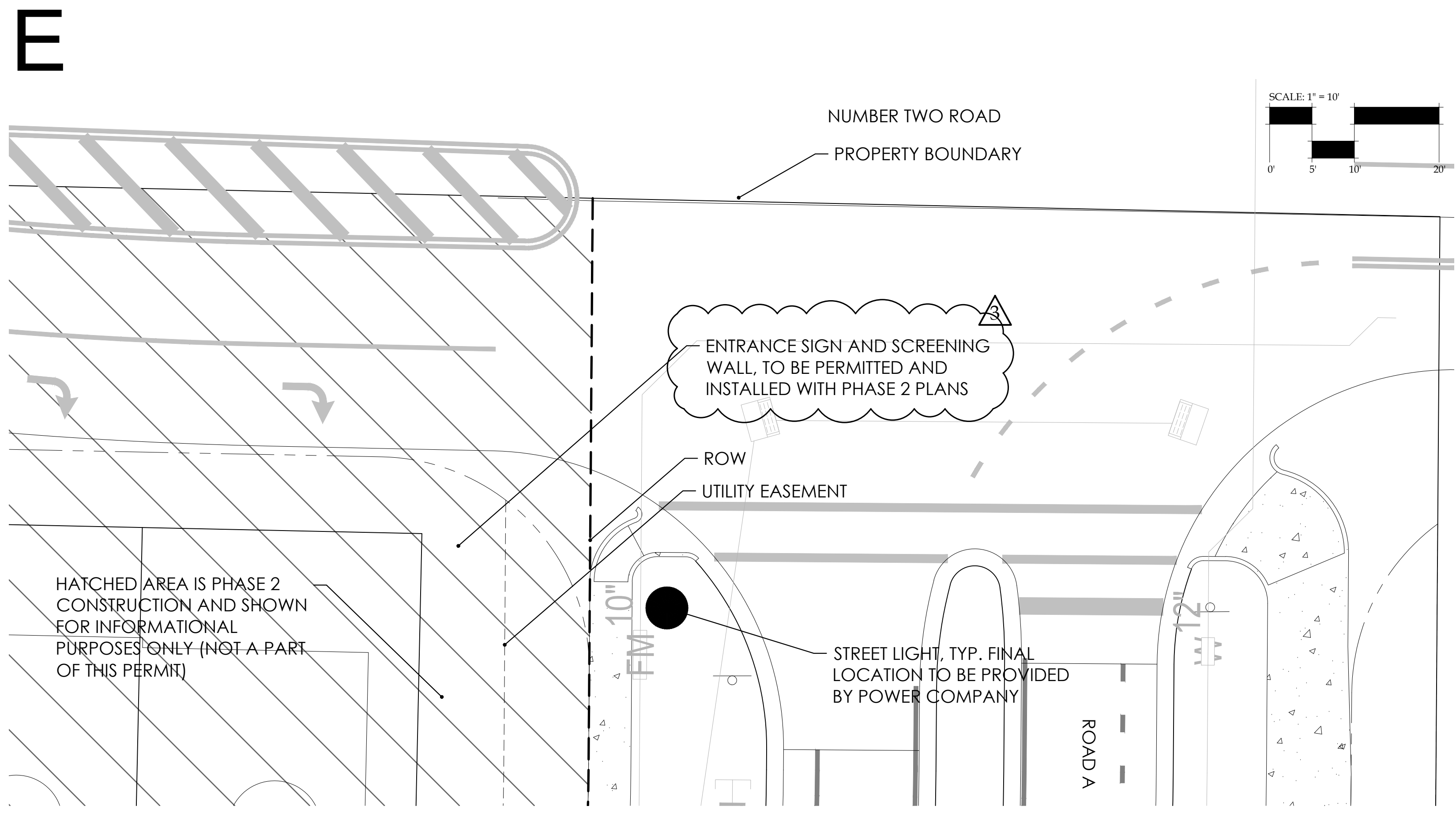
Tadell W. Bonnett, RLA, P.L. 00007276

© 2022, BONNETT DESIGN GROUP, LLC. ALL RIGHTS RESERVED. DESIGNER HEREBY EXPRESSLY RESERVES HIS COPYRIGHT AND OTHER PROPERTY RIGHTS IN THESE PLANS. THESE PLANS AND DRAWINGS ARE NOT TO BE REPRODUCED, CHANGED OR COPIED IN ANY FORM OR MANNER WHATSOEVER WITHOUT FIRST OBTAINING THE EXPRESS WRITTEN PERMISSION AND CONSENT OF BONNETT DESIGN GROUP, LLC NOR ARE THEY TO BE ASSIGNED TO ANY PARTY WITHOUT FIRST OBTAINING SAID WRITTEN PERMISSION AND CONSENT.

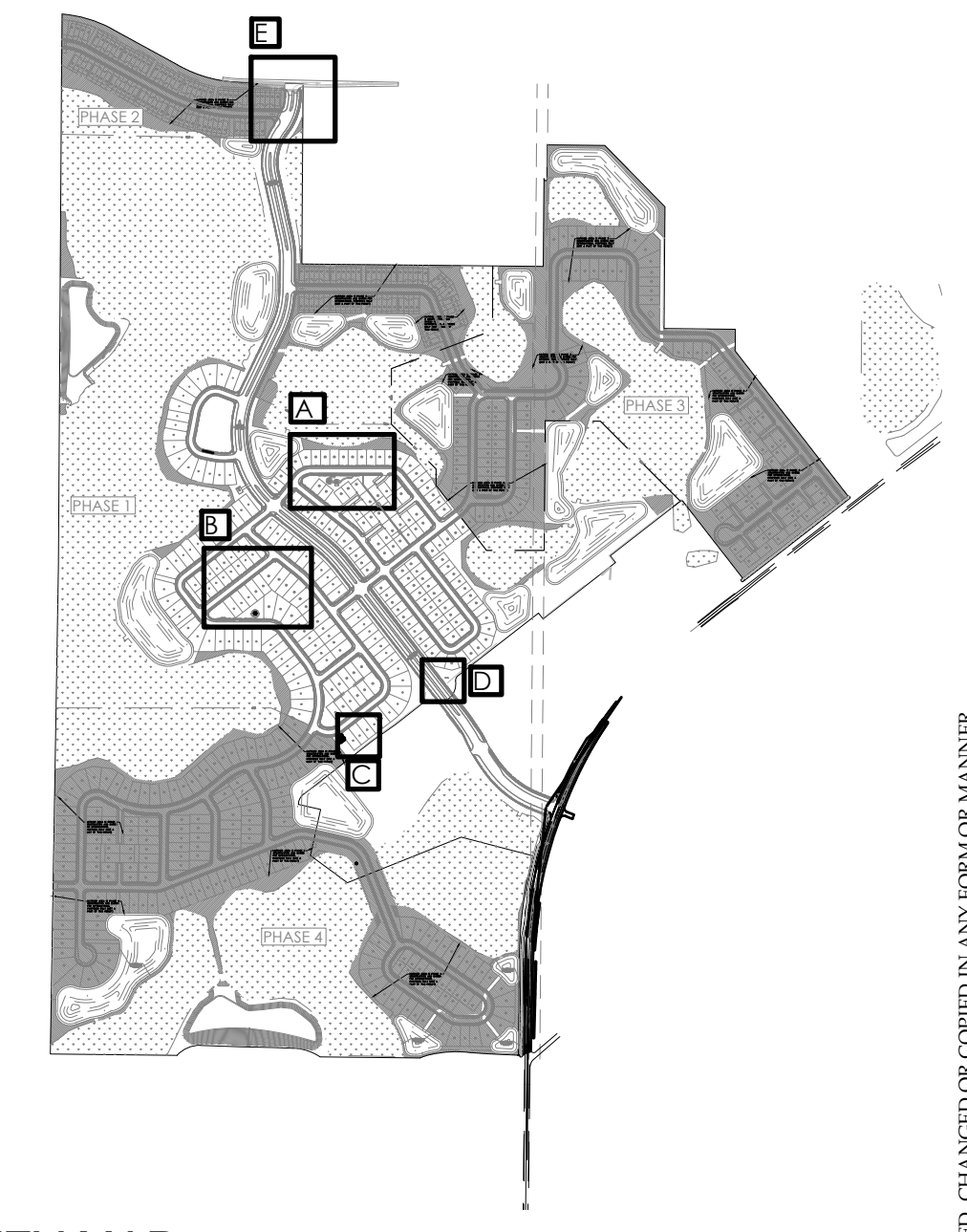




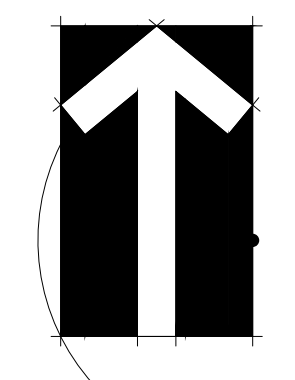
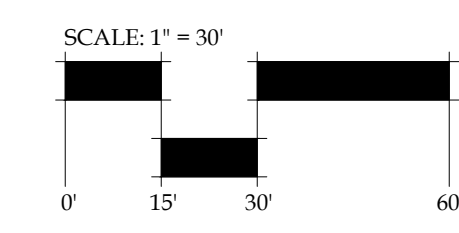
D



E



KEY MAP



© 2022, BONNETT DESIGN GROUP, LLC. ALL RIGHTS RESERVED. DESIGNER HEREBY EXPRESSLY RESERVES HIS COPYRIGHT AND OTHER PROPERTY RIGHTS IN THESE PLANS. THESE PLANS AND DRAWINGS ARE NOT TO BE REPRODUCED, CHANGED OR COPIED IN ANY FORM OR MANNER WHATSOEVER WITHOUT FIRST OBTAINING THE EXPRESS WRITTEN PERMISSION AND CONSENT OF BONNETT DESIGN GROUP, LLC NOR ARE THEY TO BE ASSIGNED TO ANY PARTY WITHOUT FIRST OBTAINING SAID WRITTEN PERMISSION AND CONSENT.



BONNETT design group, llc  
landscape architecture  
community planning  
FL LC 26000341  
400 South Orlando Ave, Suite 201  
Maitland, FL 32751  
407.622.1588 voice

Hillside Grove  
Landscape Architecture  
Easton & Associates  
HOWEY-IN-THE-HILLS, FLORIDA  
LAYOUT PLAN

PHASE 1

DATE: May 27, 2022  
DRAWN BY: RTM  
CHECKED BY: TWB  
JOB NUMBER: 2021.195  
FILE NAME: 2021.195\_LEN - HILLSIDE GROVE\_PHL\_LABASE

REVISIONS:  
1 City Comments 09-29-2022  
2 City Comments 11-17-2022  
3 City Comments 06-23-2023

L201

DRAWING PLOTTED: 7/19/2023 1:05:36 PM  
Z:\SHARE\BONNETT DESIGN GROUP\2021\2021.195\_LEN - THE RESERVE AT HOWEY IN THE HILLS\DESIGN\2021.195\_LEN - HILLSIDE GROVE\_PHL\_LABASE.DWG

Todd W. Bonnett, RLA #140007736









BONNETT design group, llc  
landscape architecture  
community planning  
FL LC 26000341

400 South Orlando Ave, Suite 201  
Maitland, FL 32751  
407.622.1588 voice

# Hillside Grove Landscape Architecture Easton & Associates HOWEY-IN-THE-HILLS, FLORIDA OVERALL PHASING PLAN

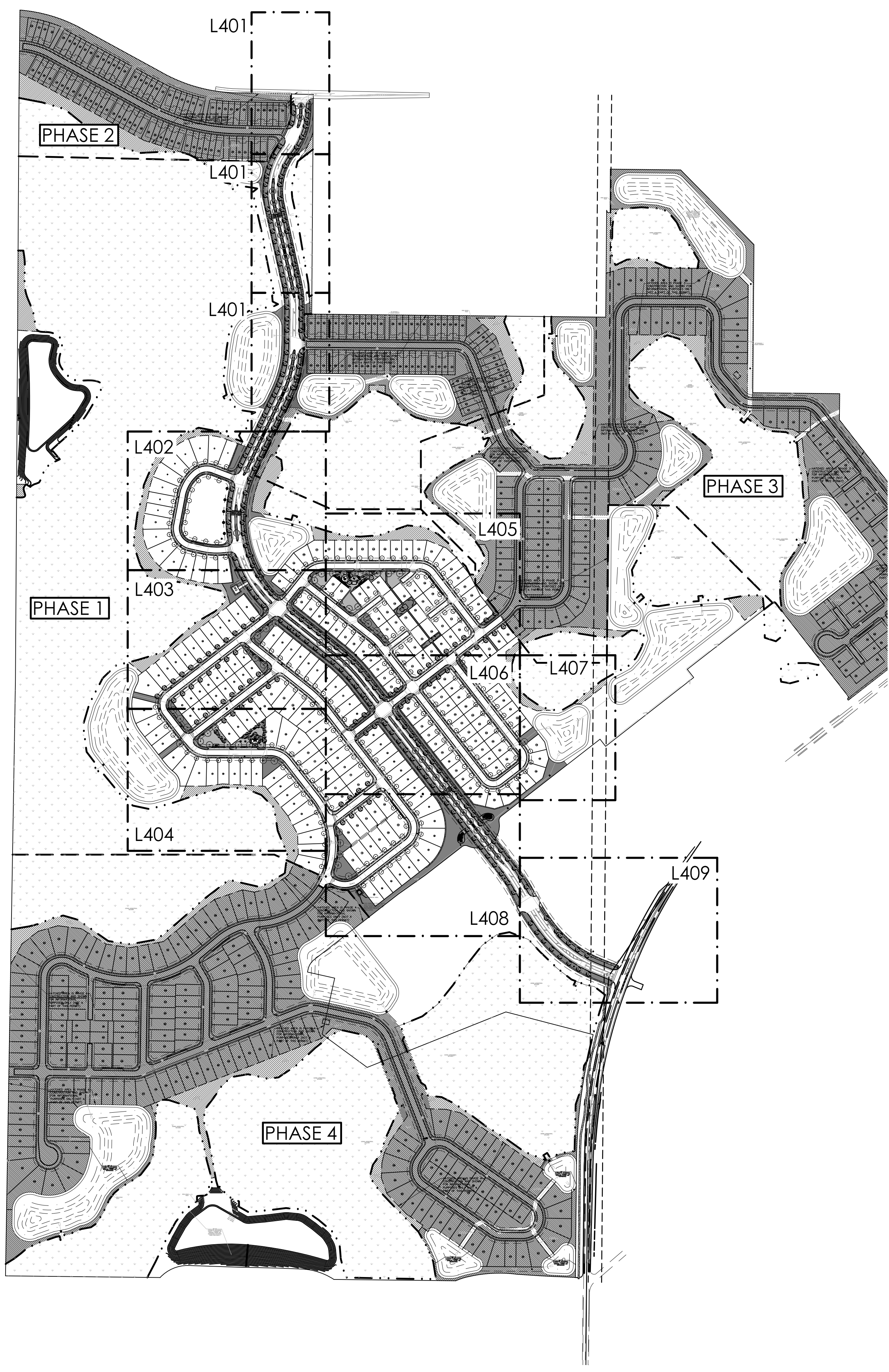
## PHASE 1

DATE: May 27, 2022  
DRAWN BY: RTM  
CHECKED BY: TWB  
JOB NUMBER: 2021.195  
FILE NAME: 2021.195\_LEN - HILLSIDE GROVE\_PHL\_LABASE

REVISIONS:  
1 City Comments 09-29-2022  
2 City Comments 11-17-2022  
3 City Comments 06-23-2023

Field W. Bonnett, RLA, P.L. 00007776

# L400



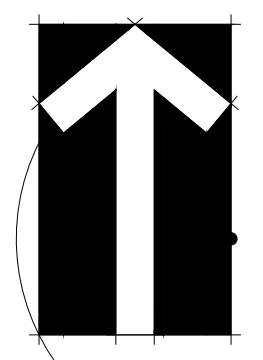
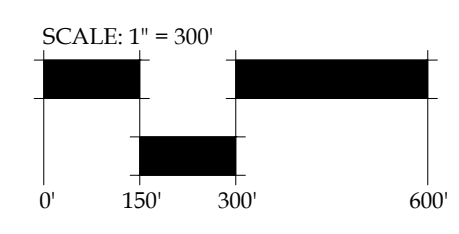
### PLANT SCHEDULE PHASE 1

AS = AS SHOWN

TREES	QTY	BOTANICAL NAME	COMMON NAME	SPECIFICATION	NATIVE	WATER USE ZONE	SPACING	REMARKS
AR	2	Acer rubrum	Red Maple	2.5" Cal. Min. 10' ht.	YES	HIGH	AS	
LIM	10	Lagerstroemia indica 'Muskogee'	Muskogee Crape Myrtle	2" cal., 8'-10' ht. x 30" spd.	NO	LOW	AS	
PE	14	Pinus Elliotti	Slash Pine	2" cal., 8'-10' ht. x 24" spd.	YES	LOW	AS	
QV	12	Quercus virginiana	Live Oak	2.5" Cal. Min. 10' ht.	YES	LOW	AS	
SP	10	Sabal palmetto	Sabal Palm	12'-15' MIXED	YES	LOW	AS	
STREET TREES: COMMON TRACTS								
MG-C	181	Magnolia grandiflora 'Brackens Brown Beauty'	Bracken's Southern Magnolia	4" Cal.	YES	MEDIUM	AS	Min. 10' height
QV-C	83	Quercus virginiana	Live Oak	4" Cal.	YES	LOW	AS	Min. 10' height
UA-C	13	Ulmus alata	Winged Elm	4" Cal.	YES	LOW	AS	Min. 10' height
STREET TREES: LOTS								
MG-L	55	Magnolia grandiflora 'Brackens Brown Beauty'	Bracken's Southern Magnolia	4" Cal.	YES	MEDIUM	AS	Min. 10' height
UA-L	207	Ulmus alata	Winged Elm	4" Cal.	YES	LOW	AS	Min. 10' height
SHRUBS								
Hpc	164	Hamelia patens 'Compacta'	Dwarf Firebush	3 gal., full	YES	LOW	36" o.c.	
Ph	26	Philodendron x 'Hope'	Hope Philodendron	3 gal., 18"-24"	NO	MEDIUM	36" o.c.	
Pa	54	Plumbago auriculata 'Imperial Blue'	Plumbago	3 gal., 20"-20"	NO	MEDIUM	36" o.c.	
Pm	90	Podocarpus macrophyllus	Podocarpus	7 gal., 30"x16" spd.	NO	MEDIUM	24" o.c.	
Src	64	Serenoa repens 'Cinerea'	Silver Saw Palmetto	3 gal., 18" o.a.	YES	LOW	36" o.c.	
Sb	122	Spartina bakeri	Sand Cord Grass	3 gal., full	NO	MEDIUM	30" o.c.	
Vovw	96	Viburnum obovatum 'Whorled Class'	Dwarf Walter's Viburnum	3 gal., 18" o.a.	YES	LOW	36" o.c.	
Vo	1,159	Viburnum odoratissimum	Sweet Viburnum	3 gal., 18" o.a.	NO	MEDIUM	36" o.c.	
Zf	12	Zamia furfuracea	Cardboard Palm	10 gal., 24" ht., 36" spd.	NO	LOW	AS	
Zp	524	Zamia pumila	Coontie	3 gal., 18" o.a.	YES	LOW	24" o.c.	
GROUND COVERS								
aa	406	Agapanthus africanus	Lily of the Nile	1 gal., full	NO	MEDIUM	18" o.c.	
agl	1,612	Arachis glabrata	Perennial Peanut	1 gal., full. Use mulch fines	NO	LOW	12" o.c.	
dtv	1,221	Dianella lasmanica 'Variegata'	Variegated Flax Lily	1 gal., 12"-15" spd., full pot	NO	LOW	18" o.c.	
dv	59	Dietsa vegata	African Iris	1 gal., 2-3 ppp	NO	LOW	24" o.c.	
jp	217	Juniperus davurica 'Parsonii'	Parson's Juniper	1 gal., 12"-15" spd.	NO	LOW	18" o.c.	
lmg	356	Liriope muscari 'Emerald Goddess'	Emerald Goddess Lilyturf	1 gal., 12"-15" spd., full pot	NO	LOW	18" o.c.	
mcc	479	Muhlenbergia capillaris	Muhly Grass	1 gal., 24" ht., full pot	YES	LOW	24" o.c.	
ta	78	Trachelospermum asiaticum	Asian Jasmine	1 gal., full. Use mulch fines	NO	MEDIUM	18" o.c.	
SOD/SEED								
soda	34,708 sf	Cynodon dactylon 'Celebration'	Celebration Bermuda Grass	sod	NO	MEDIUM	sod	solid sod - weed free
sodb	337,875 sf	Paspalum notatum 'Argentine'	Argentine Bahia Grass	sod	NO	LOW	sod	sand grown solid sod - weed free

SITE PLAN UPDATE

NOTE: THE LANDSCAPE PROVIDED FOLLOWS THE WATERWISE FLORIDA LANDSCAPES AND IS COMPLIANT WITH THE FLORIDA WATER STAR PROGRAM PER SEC. 7.04.01 STANDARDS

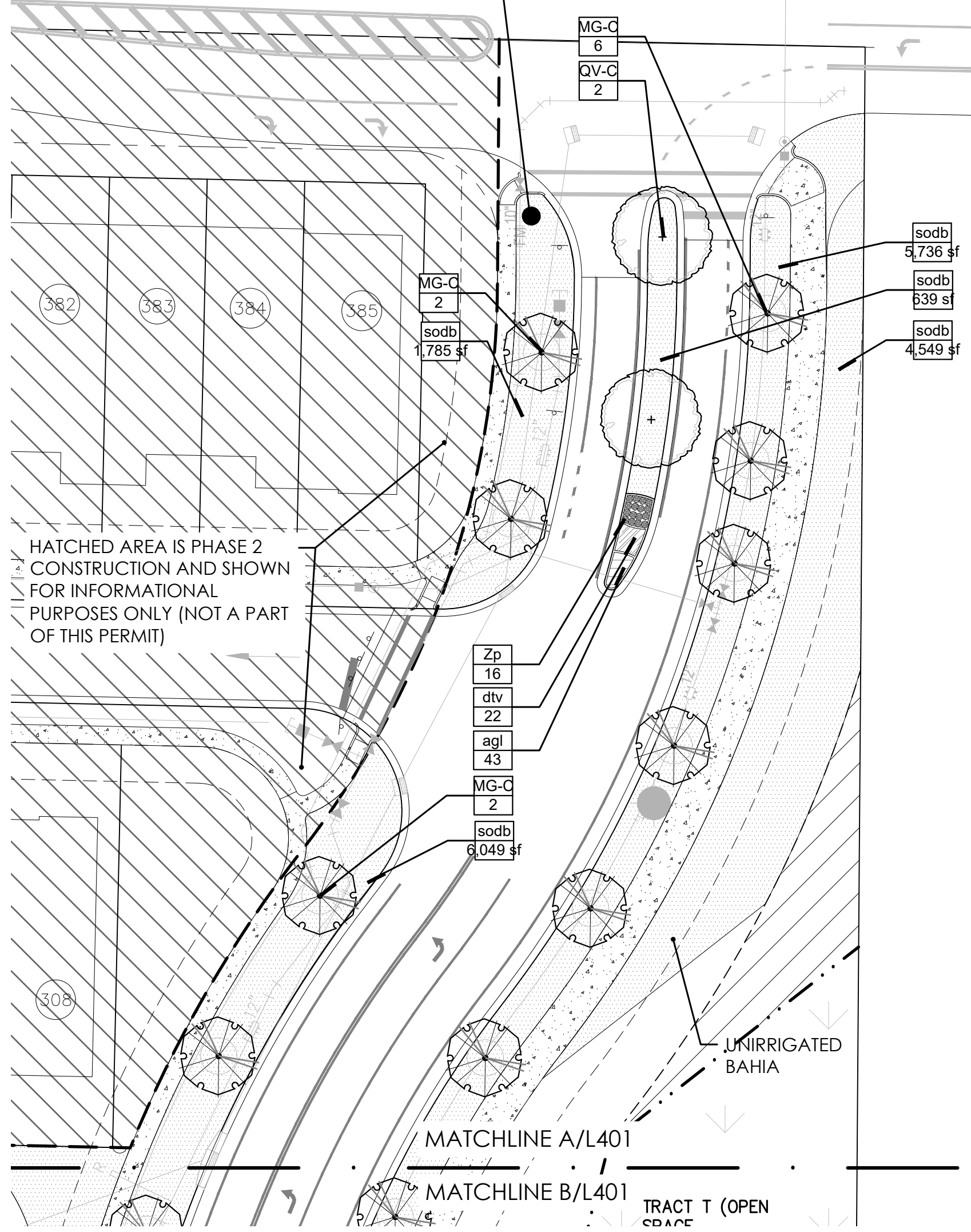


DRAWING PLOTTED: 7/19/2023 1:05:50 PM  
Z:\SHARED\BONNETT DESIGN GROUP\2021\2021.195\_LEN - THE RESERVE AT HOWEY IN THE HILLS\DESIGN\2021.195\_LEN - HILLSIDE GROVE\_PHL\_LABASE.DWG

© 2022, BONNETT DESIGN GROUP, LLC. ALL RIGHTS RESERVED. DESIGNER HEREBY EXPRESSLY RESERVES HIS COPYRIGHT AND OTHER PROPERTY RIGHTS IN THESE PLANS. THESE PLANS AND DRAWINGS ARE NOT TO BE REPRODUCED, CHANGED OR COPIED IN ANY FORM OR MANNER WHATSOEVER WITHOUT FIRST OBTAINING THE EXPRESS WRITTEN PERMISSION AND CONSENT OF BONNETT DESIGN GROUP, LLC NOR ARE THEY TO BE ASSIGNED TO ANY PARTY WITHOUT FIRST OBTAINING SAID WRITTEN PERMISSION AND CONSENT.

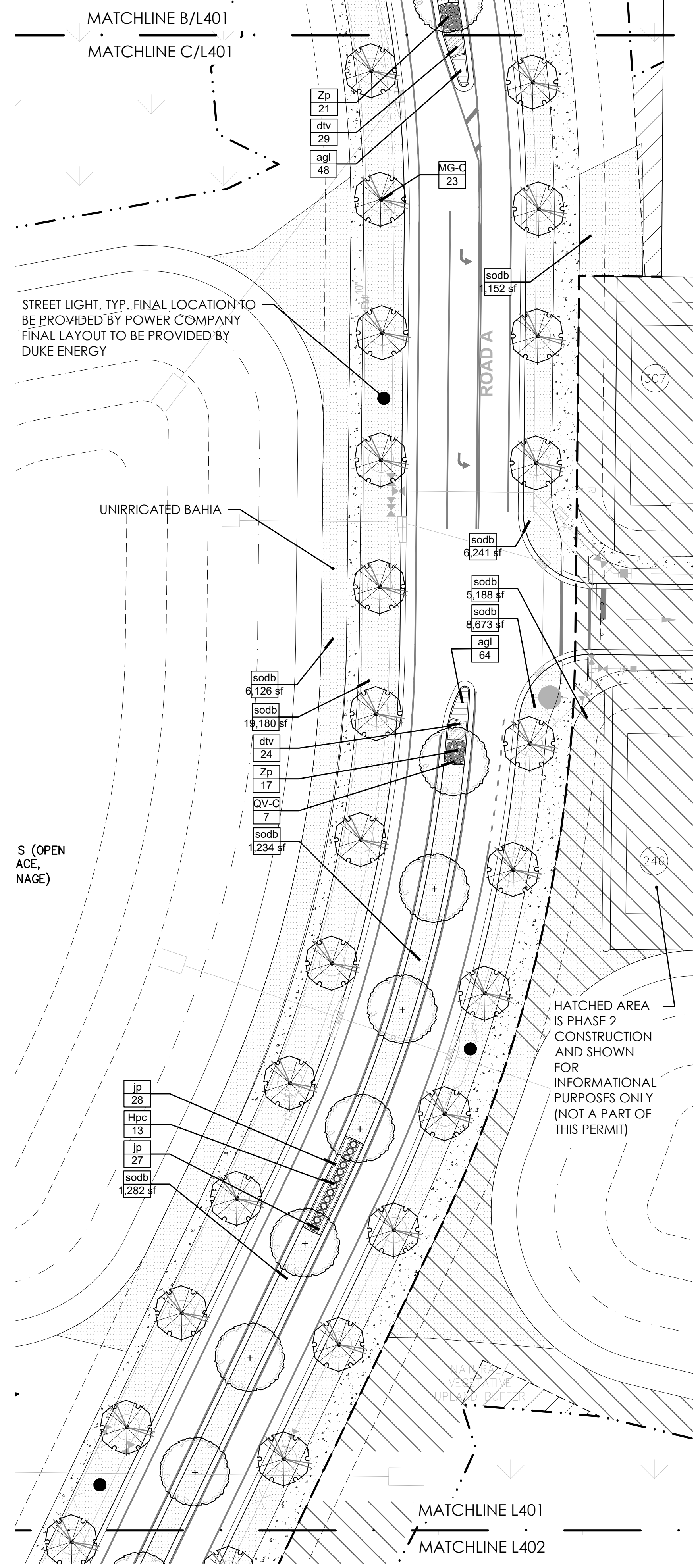
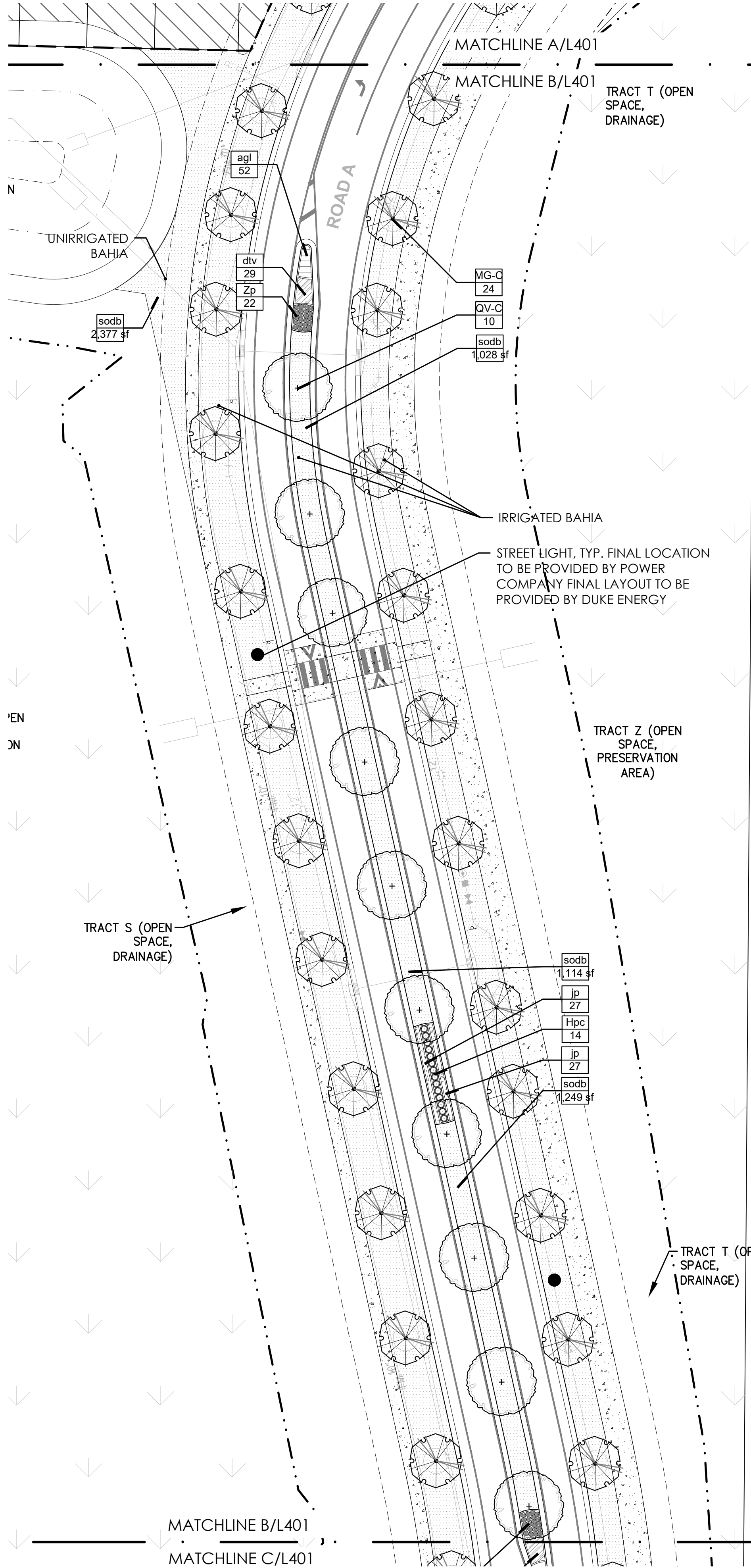
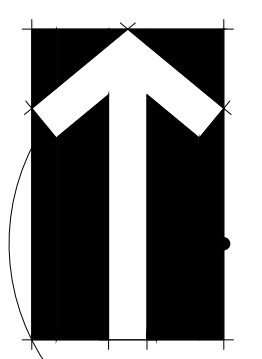
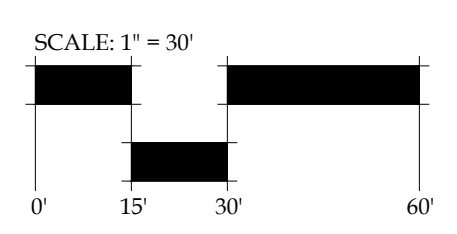


STREET LIGHT, TYP. FINAL LOCATION TO BE PROVIDED BY POWER COMPANY FINAL LAYOUT TO BE PROVIDED BY DUKE ENERGY



**KEY**

[Hatched Box]	CODE REQUIRED
[Circle with Plus]	ENHANCED



DRAWING PLOTTED: 7/12/2022 1:05:41 PM  
Z:\SHARED\BONNETT DESIGN GROUP\2021\2021.195 LEN - THE RESERVE AT HOWEY IN THE HILLS\DESIGN\2021.195 LEN - HILLSIDE GROVE\_PHL\_LABASE.DWG



**BONNETT design group, llc**  
landscape architecture  
community planning  
FL LC 26000341

400 South Orlando Ave, Suite 201  
Maitland, FL 32751  
407.622.1588 voice

**Hillside Grove**  
**Landscape Architecture**  
**Easton & Associates**  
HOWEY-IN-THE-HILLS, FLORIDA  
**LANDSCAPE PLAN**

**PHASE 1**

DATE: May 27, 2022  
DRAWN BY: RTM  
CHECKED BY: TWB  
JOB NUMBER: 2021.195  
FILE NAME: 2021.195\_LEN - HILLSIDE GROVE\_PHL\_LABASE

**REVISIONS:**

[Triangle]	City Comments 09-29-2022
[Triangle]	City Comments 11-17-2022
[Triangle]	City Comments 06-23-2023

**L401**

© 2022, BONNETT DESIGN GROUP, LLC. ALL RIGHTS RESERVED. DESIGNER HEREBY EXPRESSLY RESERVES HIS COPYRIGHT AND OTHER PROPERTY RIGHTS IN THESE PLANS. THESE PLANS AND DRAWINGS ARE NOT TO BE REPRODUCED, CHANGED OR COPIED IN ANY FORM OR MANNER WHATSOEVER WITHOUT FIRST OBTAINING THE EXPRESS WRITTEN PERMISSION AND CONSENT OF BONNETT DESIGN GROUP, LLC NOR ARE THEY TO BE ASSIGNED TO ANY PARTY WITHOUT FIRST OBTAINING SAID WRITTEN PERMISSION AND CONSENT.





BONNETT design group, llc  
landscape architecture  
community planning  
FL LC 26000341

400 South Orlando Ave, Suite 201  
Maitland, FL 32751  
407.622.1588 voice

# Hillside Grove Landscape Architecture Easton & Associates HOWEY-IN-THE-HILLS, FLORIDA LANDSCAPE PLAN

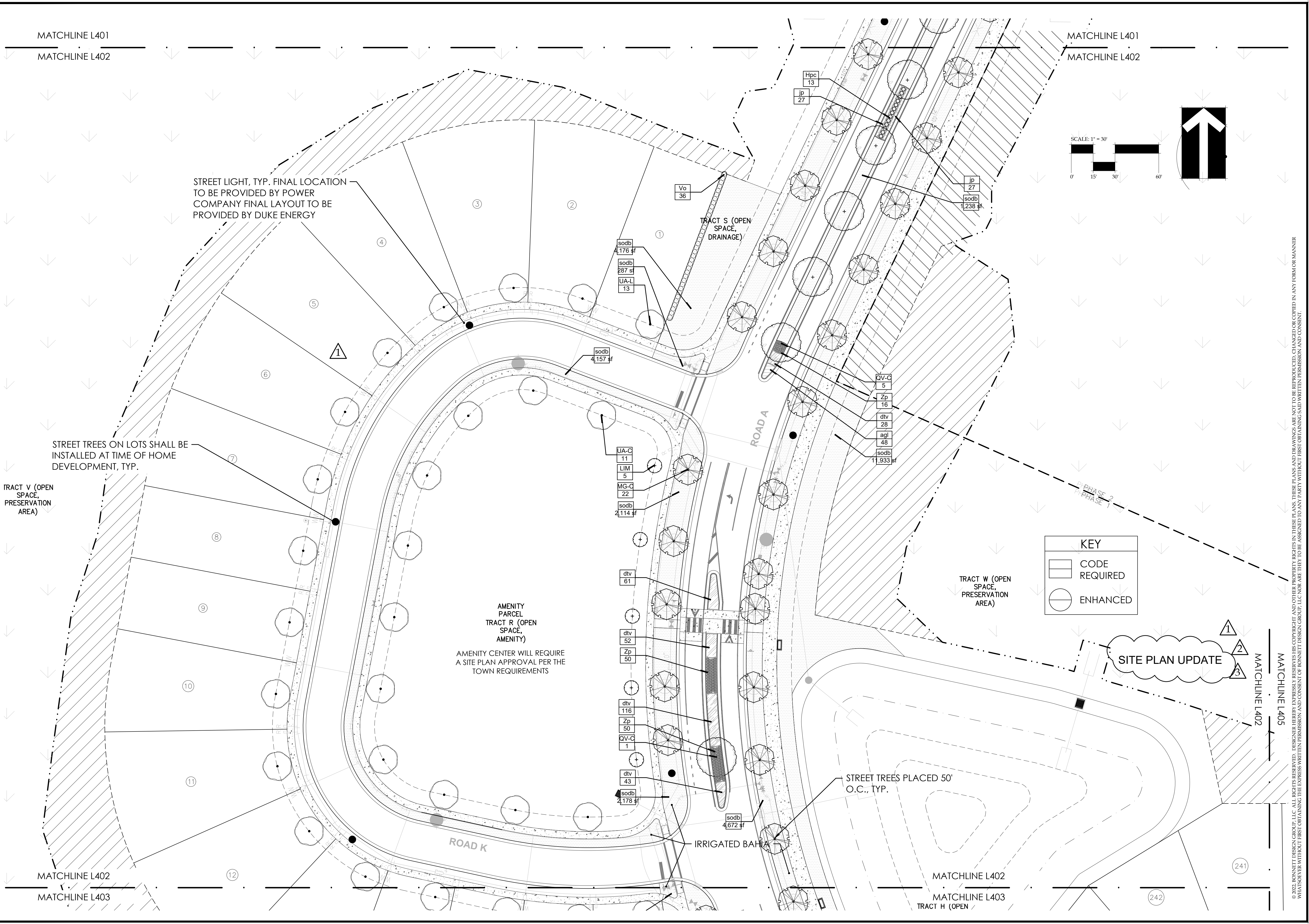
## PHASE 1

DATE: May 27, 2022  
DRAWN BY: RTM  
CHECKED BY: TWB  
JOB NUMBER: 2021.195  
FILE NAME: 2021.195\_LEN - HILLSIDE GROVE\_PHL\_LABASE

REVISIONS:  
▲ City Comments 09-29-2022  
▲ City Comments 11-17-2022  
▲ City Comments 06-23-2023

Todd W. Bonnett, RLA, P.L. 00007276

# L402



STREET LIGHT, TYP. FINAL LOCATION TO BE PROVIDED BY POWER COMPANY FINAL LAYOUT TO BE PROVIDED BY DUKE ENERGY

STREET TREES ON LOTS SHALL BE INSTALLED AT TIME OF HOME DEVELOPMENT, TYP.

TRACT V (OPEN SPACE, PRESERVATION AREA)

TRACT S (OPEN SPACE, DRAINAGE)

TRACT W (OPEN SPACE, PRESERVATION AREA)

AMENITY PARCEL  
TRACT R (OPEN SPACE, AMENITY)  
AMENITY CENTER WILL REQUIRE A SITE PLAN APPROVAL PER THE TOWN REQUIREMENTS

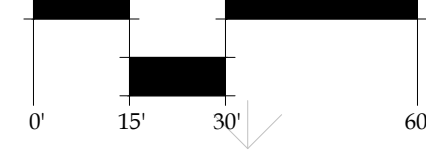
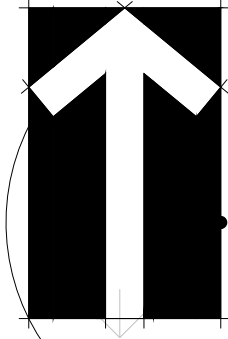
STREET TREES PLACED 50' O.C., TYP.

IRRIGATED BAHIA

SITE PLAN UPDATE

MATCHLINE L401  
MATCHLINE L402

SCALE: 1" = 30'



KEY	
[Hatched Box]	CODE REQUIRED
[Circle with Line]	ENHANCED

MATCHLINE L401  
MATCHLINE L402

MATCHLINE L402  
MATCHLINE L403

MATCHLINE L402  
MATCHLINE L403

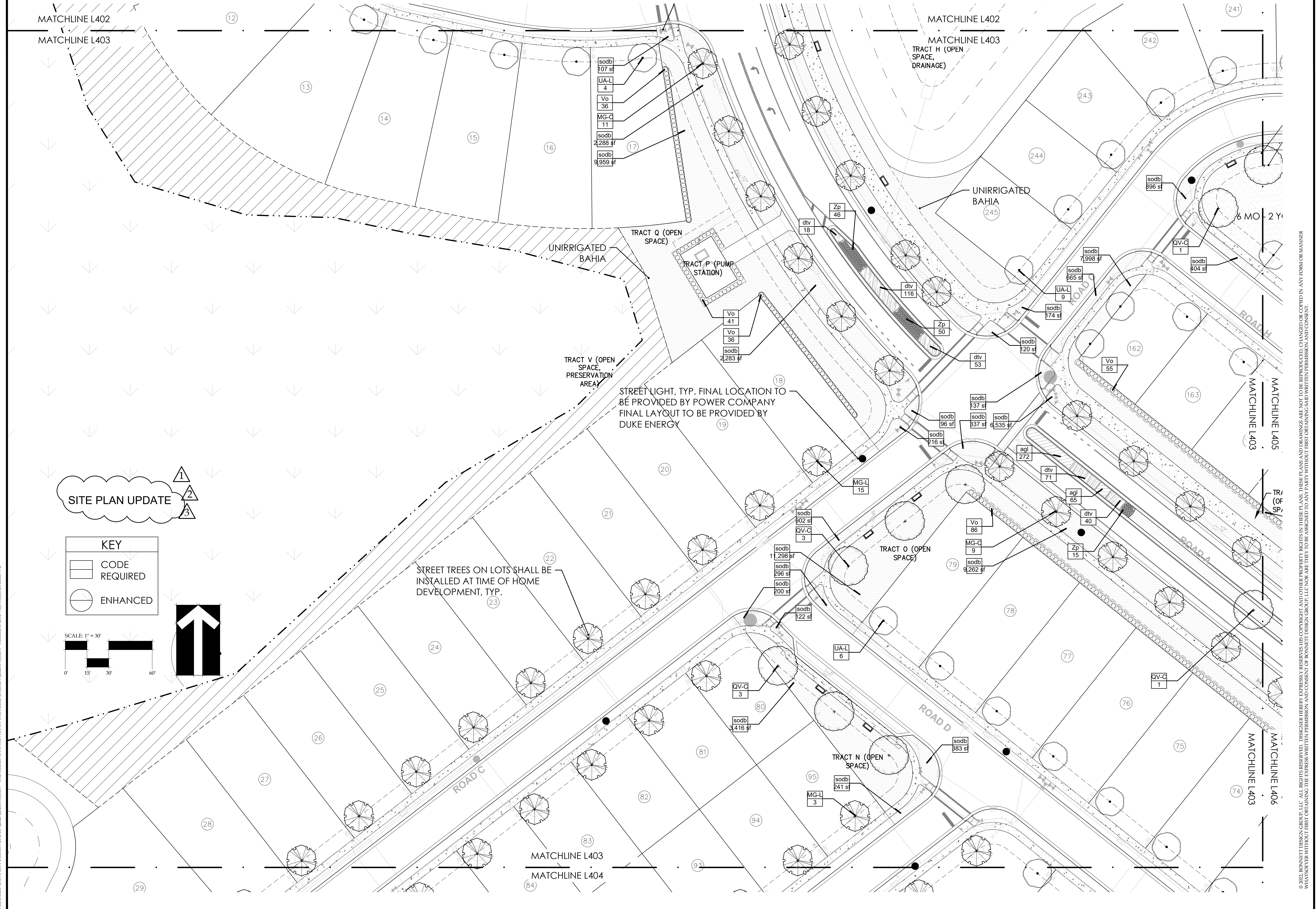
(241)

(242)

DRAWING PLOTTED: 7/12/2023 1:05:56 PM  
Z:\SHARE\BONNETT DESIGN GROUP\2021\2021.195\_LEN - THE RESERVE AT HOWEY IN THE HILLS\DESIGN\2021.195\_LEN - HILLSIDE GROVE\_PHL\_LABASE.DWG

© 2022 BONNETT DESIGN GROUP, LLC. ALL RIGHTS RESERVED. DESIGNER HEREBY EXPRESSLY RESERVES HIS COPYRIGHT AND OTHER PROPERTY RIGHTS IN THESE PLANS. THESE PLANS AND DRAWINGS ARE NOT TO BE REPRODUCED, CHANGED OR COPIED IN ANY FORM OR MANNER WHATSOEVER WITHOUT FIRST OBTAINING THE EXPRESS WRITTEN PERMISSION AND CONSENT OF BONNETT DESIGN GROUP, LLC NOR ARE THEY TO BE ASSIGNED TO ANY PARTY WITHOUT FIRST OBTAINING SAID WRITTEN PERMISSION AND CONSENT.

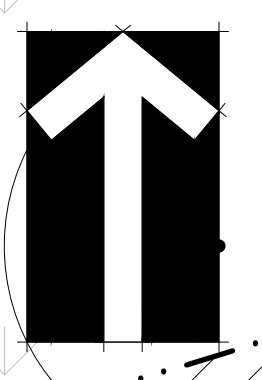
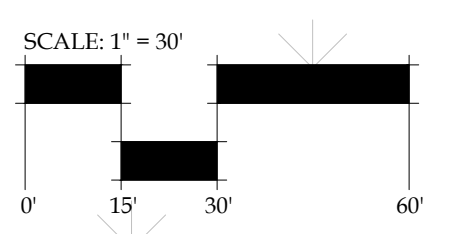




SITE PLAN UPDATE

**KEY**

	CODE REQUIRED
	ENHANCED



BONNETT design group, llc  
landscape architecture  
community planning  
FL LC 26000341

400 South Orlando Ave, Suite 201  
Maitland, FL 32751  
407.622.1588 voice

Hillside Grove  
Landscape Architecture  
Easton & Associates  
HOWEY-IN-THE-HILLS, FLORIDA

LANDSCAPE PLAN

PHASE 1

DATE: May 27, 2022  
DRAWN BY: RTM  
CHECKED BY: TWB  
JOB NUMBER: 2021.195  
FILE NAME: 2021.195\_LEN - HILLSIDE GROVE\_PHL\_LABASE

REVISIONS:

	City Comments 09-29-2022
	City Comments 11-17-2022
	City Comments 06-23-2023

L403

DRAWING PLOTTED: 7/12/2023 1:05:08 PM  
Z:\SHARED\BONNETT DESIGN GROUP\2021\195\_LEN - THE RESERVE AT HOWEY IN THE HILLS\DESIGN\2021\195\_LEN - HILLSIDE GROVE\_PHL\_LABASE.DWG

© 2022, BONNETT DESIGN GROUP, LLC. ALL RIGHTS RESERVED. DESIGNER HEREBY EXPRESSLY RESERVES HIS COPYRIGHT AND OTHER PROPERTY RIGHTS IN THESE PLANS. THESE PLANS AND DRAWINGS ARE NOT TO BE REPRODUCED, CHANGED OR COPIED IN ANY FORM OR MANNER WHATSOEVER WITHOUT FIRST OBTAINING THE EXPRESS WRITTEN PERMISSION AND CONSENT OF BONNETT DESIGN GROUP, LLC NOR ARE THEY TO BE ASSIGNED TO ANY PARTY WITHOUT FIRST OBTAINING SAID WRITTEN PERMISSION AND CONSENT.

Tadell W. Bonnett, RLA, P.L. 00007776





BONNETT design group, llc  
landscape architecture  
community planning  
FL LC 26000341

400 South Orlando Ave, Suite 201  
Maitland, FL 32751  
407.622.1588 voice

# Hillside Grove Landscape Architecture Easton & Associates HOWEY-IN-THE-HILLS, FLORIDA LANDSCAPE PLAN

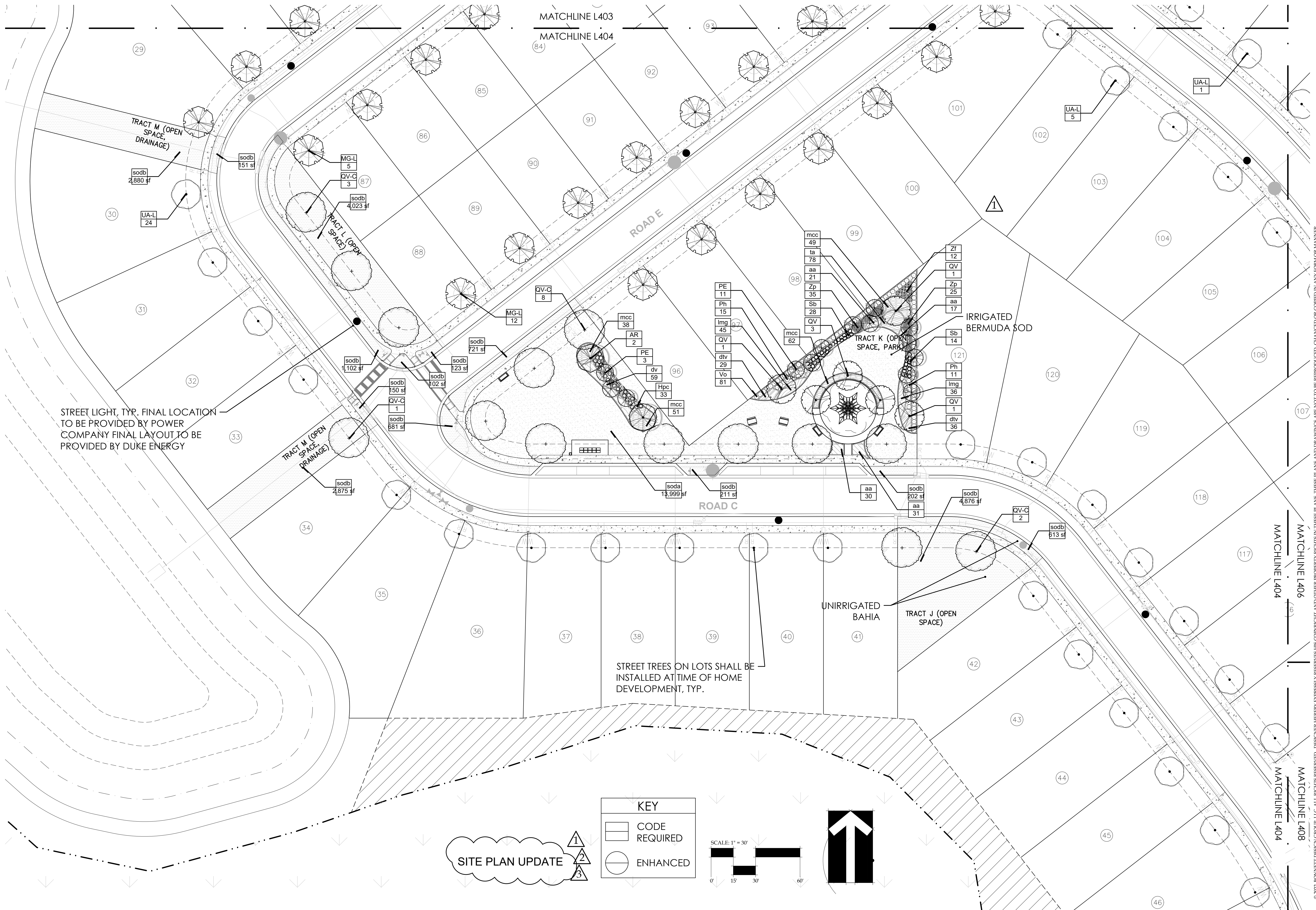
## PHASE 1

DATE: May 27, 2022  
DRAWN BY: RTM  
CHECKED BY: TWB  
JOB NUMBER: 2021.195  
FILE NAME: 2021.195\_LEN - HILLSIDE GROVE\_PHLABASE

REVISIONS:  
1 City Comments 09-29-2022  
2 City Comments 11-17-2022  
3 City Comments 06-23-2023

Todd W. Bonnett, RLA, P.L. 00007276

# L404

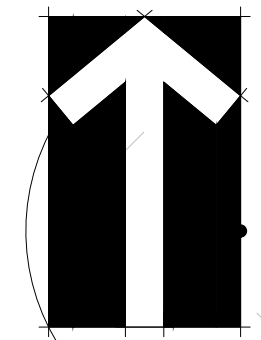
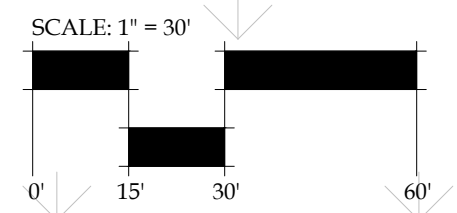


STREET LIGHT, TYR. FINAL LOCATION TO BE PROVIDED BY POWER COMPANY FINAL LAYOUT TO BE PROVIDED BY DUKE ENERGY

STREET TREES ON LOTS SHALL BE INSTALLED AT TIME OF HOME DEVELOPMENT, TYP.

SITE PLAN UPDATE

KEY	
[Hatched Box]	CODE REQUIRED
[Circle]	ENHANCED



DRAWING PLOTTED: 7/15/2023 11:01 AM  
Z:\SHARED\BONNETT DESIGN GROUP\2021\2021.195\_LEN - THE RESERVE AT HOWEY IN THE HILLS\DESIGN\2021.195\_LEN - HILLSIDE GROVE\_PHLABASE.DWG

© 2022, BONNETT DESIGN GROUP, LLC. ALL RIGHTS RESERVED. DESIGNER HEREBY EXPRESSLY RESERVES HIS COPYRIGHT AND OTHER PROPERTY RIGHTS IN THESE PLANS. THESE PLANS AND DRAWINGS ARE NOT TO BE REPRODUCED, CHANGED OR COPIED IN ANY FORM OR MANNER WHATSOEVER WITHOUT FIRST OBTAINING THE EXPRESS WRITTEN PERMISSION AND CONSENT OF BONNETT DESIGN GROUP, LLC NOR ARE THEY TO BE ASSIGNED TO ANY PARTY WITHOUT FIRST OBTAINING SAID WRITTEN PERMISSION AND CONSENT.





BONNETT design group, llc  
landscape architecture  
community planning  
FL LC 26000341

400 South Orlando Ave, Suite 201  
Maitland, FL 32751  
407.622.1588 voice

# Hillside Grove Landscape Architecture Easton & Associates HOWEY-IN-THE-HILLS, FLORIDA LANDSCAPE PLAN

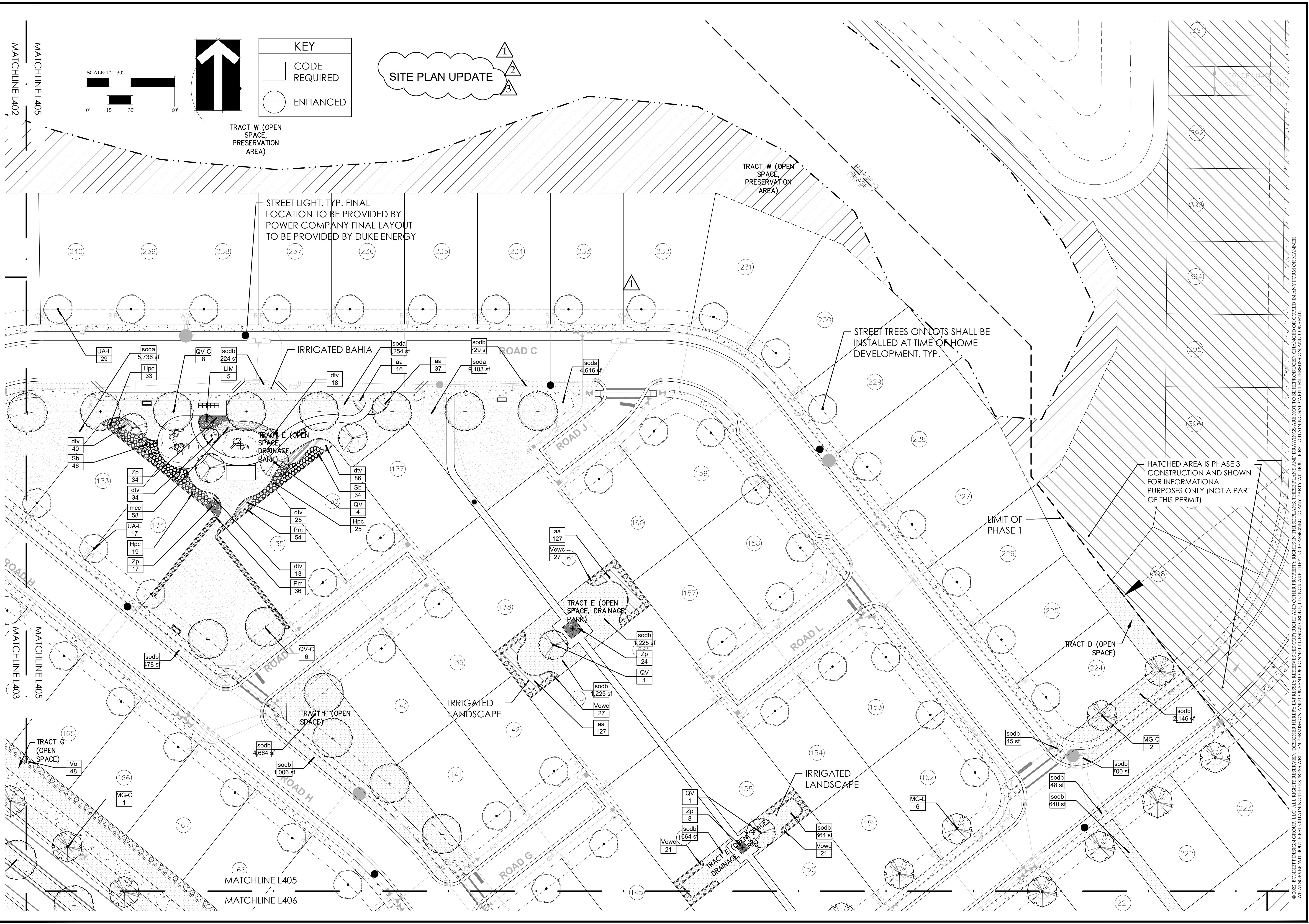
## PHASE 1

DATE: May 27, 2022  
DRAWN BY: RTM  
CHECKED BY: TWB  
JOB NUMBER: 2021.195  
FILE NAME: 2021.195\_LEN - HILLSIDE GROVE\_PHL\_LABASE

REVISIONS:  
▲ City Comments 09-29-2022  
▲ City Comments 11-17-2022  
▲ City Comments 06-23-2023

Todd W. Bonnett, RLA, P.L. 0000779

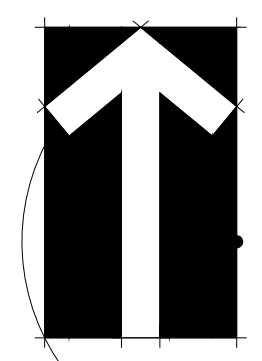
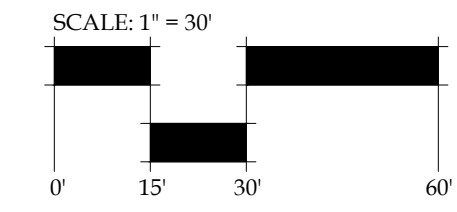
# L405



**KEY**

- CODE REQUIRED
- ENHANCED

SITE PLAN UPDATE



TRACT W (OPEN SPACE, PRESERVATION AREA)

TRACT W (OPEN SPACE, PRESERVATION AREA)

STREET LIGHT, TYP. FINAL LOCATION TO BE PROVIDED BY POWER COMPANY FINAL LAYOUT TO BE PROVIDED BY DUKE ENERGY

STREET TREES ON LOTS SHALL BE INSTALLED AT TIME OF HOME DEVELOPMENT, TYP.

HATCHED AREA IS PHASE 3 CONSTRUCTION AND SHOWN FOR INFORMATIONAL PURPOSES ONLY (NOT A PART OF THIS PERMIT)

LIMIT OF PHASE 1

TRACT E (OPEN SPACE, DRAINAGE, PARK)

TRACT D (OPEN SPACE)

TRACT F (OPEN SPACE)

TRACT G (OPEN SPACE)

MATCHLINE L405

MATCHLINE L406

MATCHLINE L402

MATCHLINE L403

MATCHLINE L405

DRAWING PLOTTED: 7/12/2023 11:02 AM  
Z:\SHARED\BONNETT DESIGN GROUP\2021\2021.195\_LEN - THE RESERVE AT HOWEY IN THE HILLS\DESIGN\PH1\_LABASE.DWG

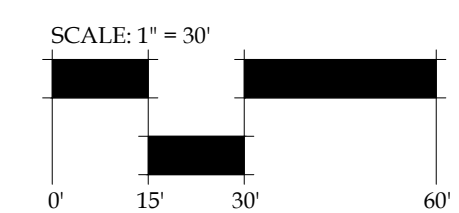
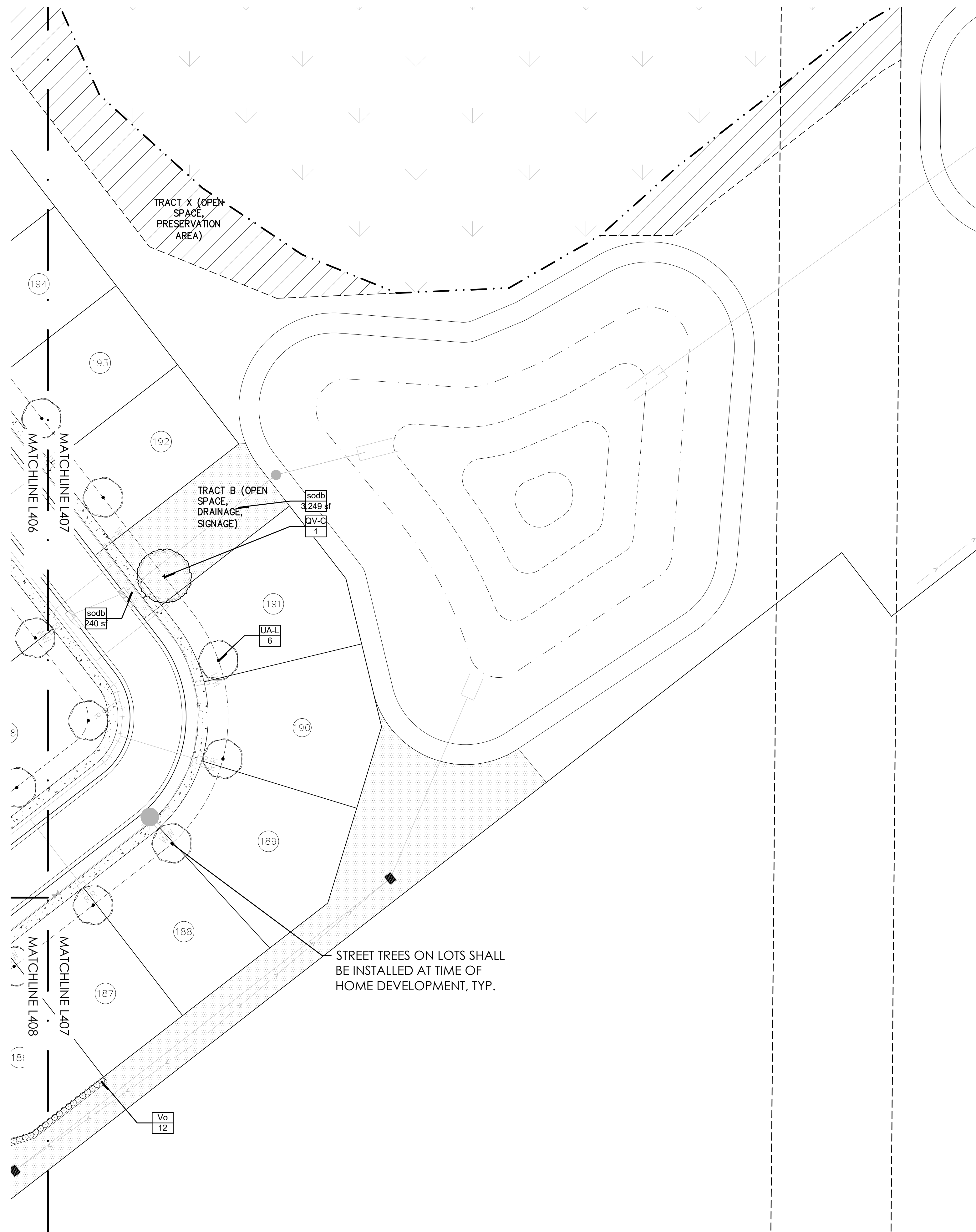
© 2022 BONNETT DESIGN GROUP, LLC. ALL RIGHTS RESERVED. DESIGNER HEREBY EXPRESSLY RESERVES HIS COPYRIGHT AND OTHER PROPERTY RIGHTS IN THESE PLANS. THESE PLANS AND DRAWINGS ARE NOT TO BE REPRODUCED, CHANGED OR COPIED IN ANY FORM OR MANNER WHATSOEVER WITHOUT FIRST OBTAINING THE EXPRESS WRITTEN PERMISSION AND CONSENT OF BONNETT DESIGN GROUP, LLC NOR ARE THEY TO BE ASSIGNED TO ANY PARTY WITHOUT FIRST OBTAINING SAID WRITTEN PERMISSION AND CONSENT.







DRAWING PLOTTED: 7/19/2023 1:14:06 PM  
 Z:\SHARED\BONNETT DESIGN GROUP\2021\195\_LEN - THE RESERVE AT HOWEY IN THE HILLS\DESIGN\2021\195\_LEN - HILLSIDE GROVE\_PHL\_LABASE.DWG



**SITE PLAN UPDATE**

KEY	
	CODE REQUIRED
	ENHANCED

- 1
- 2
- 3

© 2022, BONNETT DESIGN GROUP, LLC. ALL RIGHTS RESERVED. DESIGNER HEREBY EXPRESSLY RESERVES HIS COPYRIGHT AND OTHER PROPERTY RIGHTS IN THESE PLANS. THESE PLANS AND DRAWINGS ARE NOT TO BE REPRODUCED, CHANGED OR COPIED IN ANY FORM OR MANNER WHATSOEVER WITHOUT FIRST OBTAINING THE EXPRESS WRITTEN PERMISSION AND CONSENT OF BONNETT DESIGN GROUP, LLC NOR ARE THEY TO BE ASSIGNED TO ANY PARTY WITHOUT FIRST OBTAINING SAID WRITTEN PERMISSION AND CONSENT.



**BONNETT design group, llc**  
 landscape architecture  
 community planning  
 FL LC 26000341

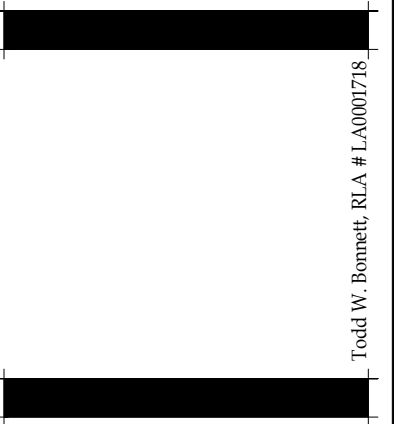
400 South Orlando Ave, Suite 201  
 Maitland, FL 32751  
 407.622.1588 voice

# Hillside Grove Landscape Architecture Easton & Associates HOWEY-IN-THE-HILLS, FLORIDA LANDSCAPE PLAN

## PHASE 1

DATE: May 27, 2022  
 DRAWN BY: RTM  
 CHECKED BY: TWB  
 JOB NUMBER: 2021.195  
 FILE NAME: 2021.195\_LEN - HILLSIDE GROVE\_PHL\_LABASE

REVISIONS:  
 1 City Comments 09-29-2022  
 2 City Comments 11-17-2022  
 3 City Comments 06-23-2023



L407

Todd W. Bonnett, RLA, P.L. 00007276





BONNETT design group, llc  
landscape architecture  
community planning  
FL LC 26000341

400 South Orlando Ave, Suite 201  
Maitland, FL 32751  
407.622.1588 voice

# Hillside Grove Landscape Architecture Easton & Associates HOWEY-IN-THE-HILLS, FLORIDA LANDSCAPE PLAN

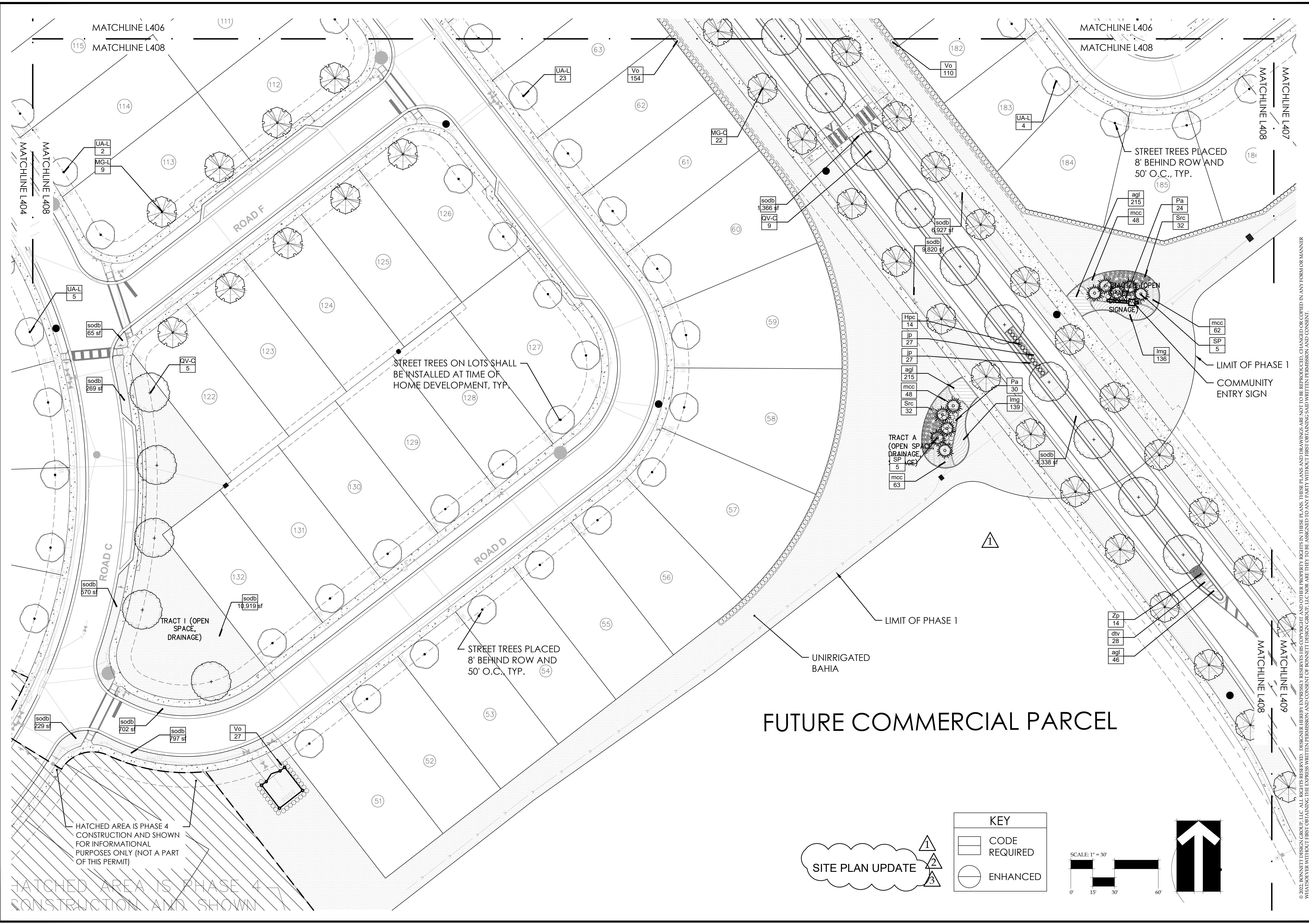
## PHASE 1

DATE: May 27, 2022  
DRAWN BY: RTM  
CHECKED BY: TWB  
JOB NUMBER: 2021.195  
FILE NAME: 2021.195\_LEN - HILLSIDE GROVE\_PHLABASE

REVISIONS:  
1 City Comments 09-29-2022  
2 City Comments 11-17-2022  
3 City Comments 06-23-2023

Todd W. Bonnett, RLA, P.L. 00007736

# L408



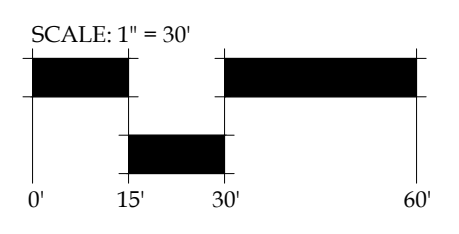
STREET TREES ON LOTS SHALL BE INSTALLED AT TIME OF HOME DEVELOPMENT, TYP.

STREET TREES PLACED 8' BEHIND ROW AND 50' O.C., TYP.

STREET TREES PLACED 8' BEHIND ROW AND 50' O.C., TYP.

### FUTURE COMMERCIAL PARCEL

KEY	
[Symbol]	CODE REQUIRED
[Symbol]	ENHANCED



SITE PLAN UPDATE

DRAWING PLOTTED: 7/15/2023 11:08 PM  
Z:\SHARED\BONNETT DESIGN GROUP\2021\2021.195\_LEN - THE RESERVE AT HOWEY IN THE HILLS\DESIGN\2021.195\_LEN - HILLSIDE GROVE\_PHLABASE.DWG

© 2022, BONNETT DESIGN GROUP, LLC. ALL RIGHTS RESERVED. DESIGNER HEREBY EXPRESSLY RESERVES HIS COPYRIGHT AND OTHER PROPERTY RIGHTS IN THESE PLANS. THESE PLANS AND DRAWINGS ARE NOT TO BE REPRODUCED, CHANGED OR COPIED IN ANY FORM OR MANNER WHATSOEVER WITHOUT FIRST OBTAINING THE EXPRESS WRITTEN PERMISSION AND CONSENT OF BONNETT DESIGN GROUP, LLC NOR ARE THEY TO BE ASSIGNED TO ANY PARTY WITHOUT FIRST OBTAINING SAID WRITTEN PERMISSION AND CONSENT.





BONNETT design group, llc  
landscape architecture  
community planning  
FL LC 26000341

400 South Orlando Ave, Suite 201  
Maitland, FL 32751  
407.622.1588 voice

# Hillside Grove Landscape Architecture Easton & Associates HOWEY-IN-THE-HILLS, FLORIDA LANDSCAPE PLAN

## PHASE 1

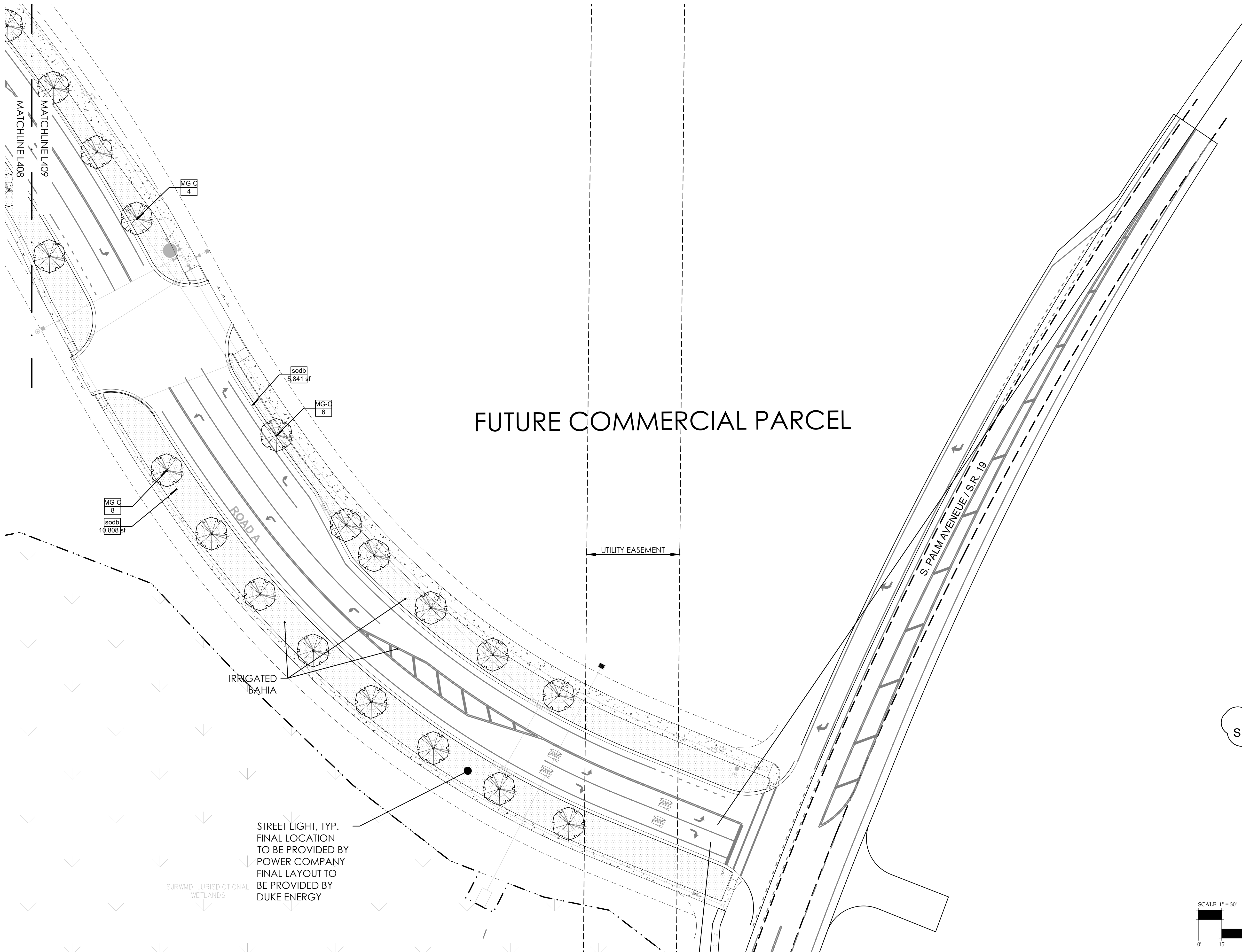
DATE: May 27, 2022  
DRAWN BY: RTM  
CHECKED BY: TWB  
JOB NUMBER: 2021.195  
FILE NAME: 2021.195\_LEN-HILLSIDE GROVE\_PHL\_LABASE

REVISIONS:  
1 City Comments 09-29-2022  
2 City Comments 11-17-2022  
3 City Comments 06-23-2023

Field W. Bonnett, RLA PL 0000729

# L409

### FUTURE COMMERCIAL PARCEL



MG-C 4

sodb 8,841 sf

MG-C 6

MG-C 8

sodb 10,808 sf

UTILITY EASEMENT

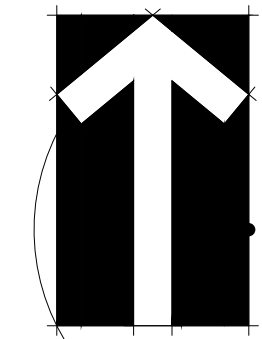
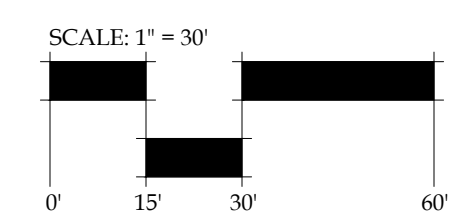
IRRIGATED BAHIA

STREET LIGHT, TYP.  
FINAL LOCATION  
TO BE PROVIDED BY  
POWER COMPANY  
FINAL LAYOUT TO  
BE PROVIDED BY  
DUKE ENERGY

SURWMD JURISDICTIONAL  
WETLANDS

SITE PLAN UPDATE

KEY	
	CODE REQUIRED
	ENHANCED



DRAWING PLOTTED: 7/12/2023 11:41:00 AM  
Z:\SHARED\BONNETT DESIGN GROUP\2021\2021.195\_LEN - THE RESERVE AT HOWEY IN THE HILLS\DESIGN\2021.195\_LEN - HILLSIDE GROVE\_PHL\_LABASE.DWG

© 2022, BONNETT DESIGN GROUP, LLC. ALL RIGHTS RESERVED. DESIGNER HEREBY EXPRESSLY RESERVES HIS COPYRIGHT AND OTHER PROPERTY RIGHTS IN THESE PLANS. THESE PLANS AND DRAWINGS ARE NOT TO BE REPRODUCED, CHANGED OR COPIED IN ANY FORM OR MANNER WHATSOEVER WITHOUT FIRST OBTAINING THE EXPRESS WRITTEN PERMISSION AND CONSENT OF BONNETT DESIGN GROUP, LLC NOR ARE THEY TO BE ASSIGNED TO ANY PARTY WITHOUT FIRST OBTAINING SAID WRITTEN PERMISSION AND CONSENT.



**GENERAL REQUIREMENTS**

The Landscape Contractor shall be responsible for all materials and all work as called for on the landscape plans. The list of plant quantities accompanying the plans shall be used as guide only. If a discrepancy occurs between the plans and the plant list, the plans shall control.

The Landscape Contractor shall warranty all trees for a period of one (1) year and shrubs and ground covers for a period of six (6) months from the time of final acceptance by Owner and Landscape Architect.

The Landscape Contractor shall be wholly responsible for the stability and plumb condition of all trees and shall be legally liable for any damage caused by the instability of any plant material. Staking of trees and palms, if required, shall be done utilizing a method agreed upon by the Landscape Architect.

The Landscape Contractor shall research plans and contact appropriate agencies to determine the location of any utilities and obstructions prior to commencing work. Any utilities or unanticipated obstructions shall be reported to Landscape Architect or Owner immediately.

All plant material and sodded areas shall have an automatic underground irrigation system providing 100% coverage.

Positive drainage shall be maintained away from all structures on the site.

**PLANT SPECIFICATIONS**

All nursery stock plant material shall be Florida #1 or better in accordance with Grades and Standards for Nursery Plants Parts I & II, latest edition as published by the Florida Department of Agriculture and Consumer Services- Division of Plant Industry.

All plant material shall be planted, fertilized and mulched as per the plant details and planting specifications noted on the plans.

All container grown material shall be healthy, vigorous, well rooted plants, and established in the container in which they are delivered to the site. The plants shall have tops which are good quality and in a healthy growing condition. Established container grown plant material shall be grown in that container sufficiently long enough for the new fibrous roots to have developed enabling the root mass to retain its shape when removed the container. Plants which have become root bound in the container are unacceptable.

All plant material that is not container grown shall be freshly dug, sound, healthy, vigorous, well branched, and free of disease and insect eggs and larvae, and shall have adequate root systems. Where any requirements are omitted from the plant list, the plants furnished shall be normal for the variety. Plants may be pruned prior to delivery only upon the approval of the Landscape Architect.

**FERTILIZER**

Two fertilizers shall be used on all types of plantings, except palms. Granular fertilizer shall be uniform in composition, dry and free flowing. This fertilizer shall be delivered to the site in the original unopened bags bearing the manufacturer's statement of analysis. Granular fertilizer shall be a controlled release variety meeting the following requirements: sixteen percent (16%) nitrogen, four percent (4%) phosphorus, eight percent (8%) potassium, plus iron. Tablet fertilizer ("Agriform" or approved equal) in 21 gram size shall meet the following requirements: twenty percent (20%) nitrogen, ten percent (10%) phosphorus, five percent (5%) potassium.

**Application Rates:**

Plant size	16-4-8	"Agriform" tablet (21 grams)
1 gallon	1/4 lb.	1 tablet
3 gallon	1/3 lb.	2 tablets
7-15 gallon	1/2 lb.	4 tablets
1" - 6" caliper	2 lbs. per 1" caliper	2 tablets per 1" caliper
6" + caliper	3 lbs. per 1" caliper	2 tablets per 1" caliper

Sodded areas shall receive an application of the granular fertilizer (16-4-8) at a rate of 1/2 lb. of Nitrogen per 1,000 square feet of sod area.

"Palm Special" fertilizer shall be applied to all palms at installation at a rate of 1 1/2 lbs. per 100 square feet of canopy area. Palm fertilizer shall be a controlled release variety containing chelated micro nutrients and a ratio of N-P-K-Mg of 2:1:3:1.

**SOIL**

Planting soil for use in preparing the backfill material for planting pits shall be added a rate of fifty percent (50%) planting soil to fifty percent (50%) existing soil. This soil mix shall be used in all plant pits except Sabal Palms which shall be backfilled with clean sand. Planting soil shall be a fertile, friable natural topsoil of loamy character. It shall contain forty (40) to fifty (50) percent decomposed organic matter and be free of heavy clay, stones larger than 1" in diameter, noxious weeds and plants, sod, partially disintegrated debris, insects or any other undesirable material, plants or seeds that would be toxic or harmful to plant growth.

**MULCH**

All plant beds and tree watering basins shall be top dressed with three inches (3") of pine bark mini-nuggets mulch.

**SOD**

Refer to Landscape Plan for limits of sod.

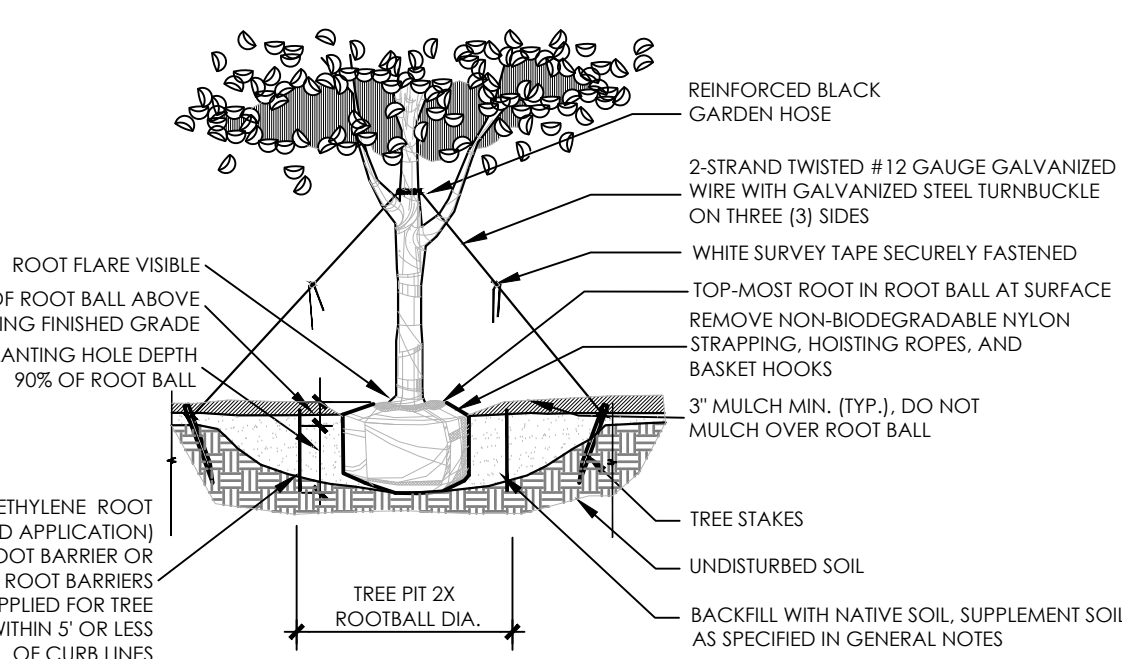
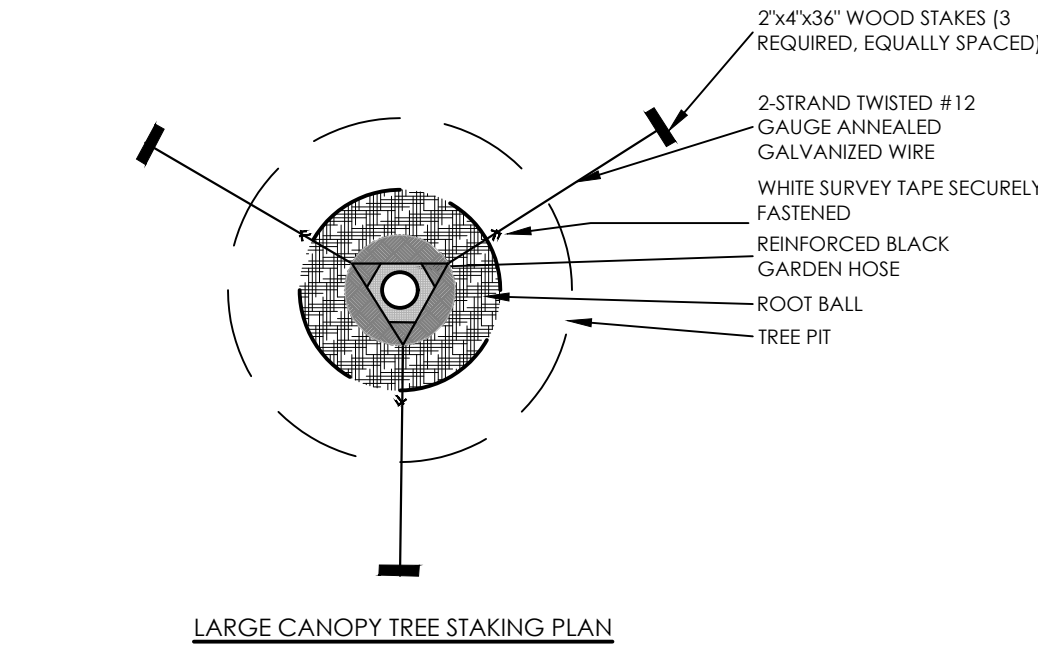
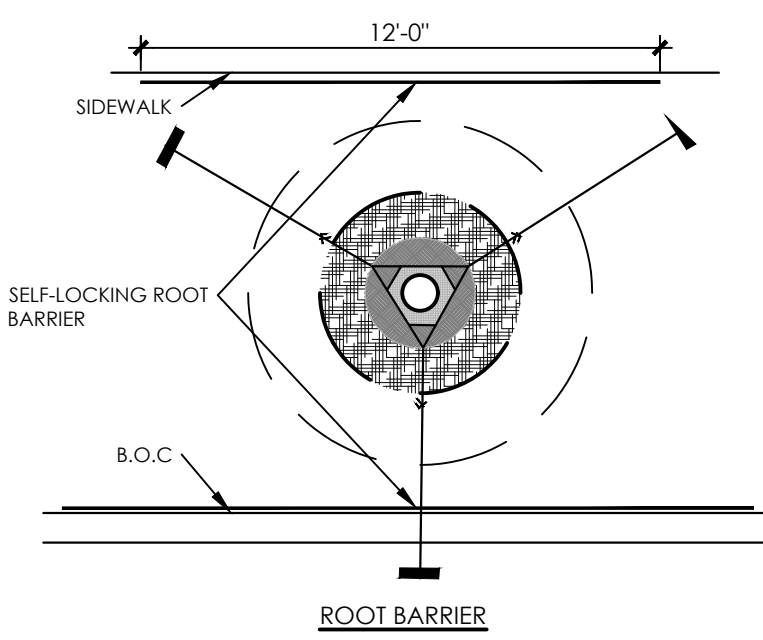
All areas disturbed by construction (including material staging, equipment storage, temporary facilities, site access, construction staff parking, etc.) beyond the minimum limits of sod as shown on the Landscape Plan shall be sodded as needed.

All lawn areas to receive sod shall be disked four (4) to six (6) inches and graded to establish a level finished grade ensuring positive drainage from all structures. All debris shall be removed from the site.

Sod shall be free of weeds and pests. It shall be laid evenly with tight fitting joints and rolled. The sod shall contain moist soil which does not fall apart or tear when lifted.

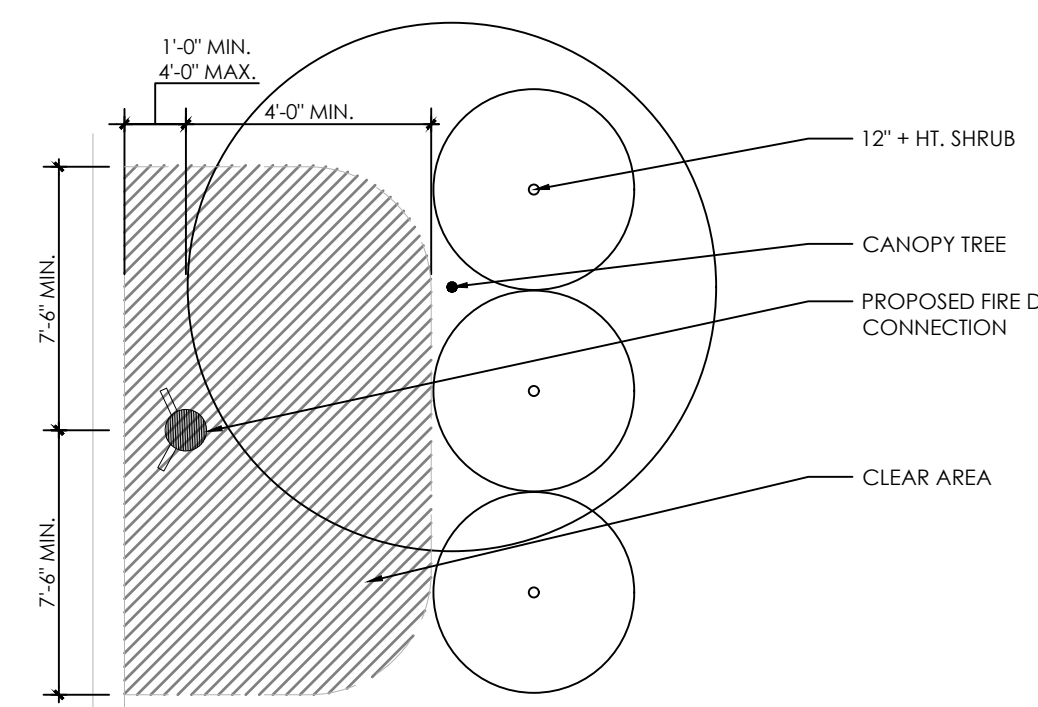
See plant list for specific sod species and locations.

See 'Fertilizer' for requirements of all sodded areas.

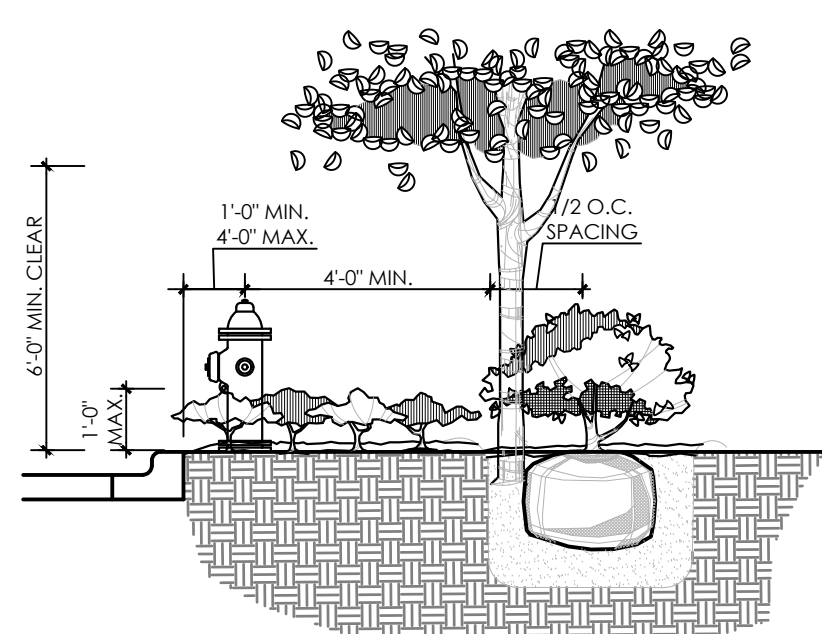


**LARGE CANOPY TREE PLANTING DETAIL**

N.T.S.



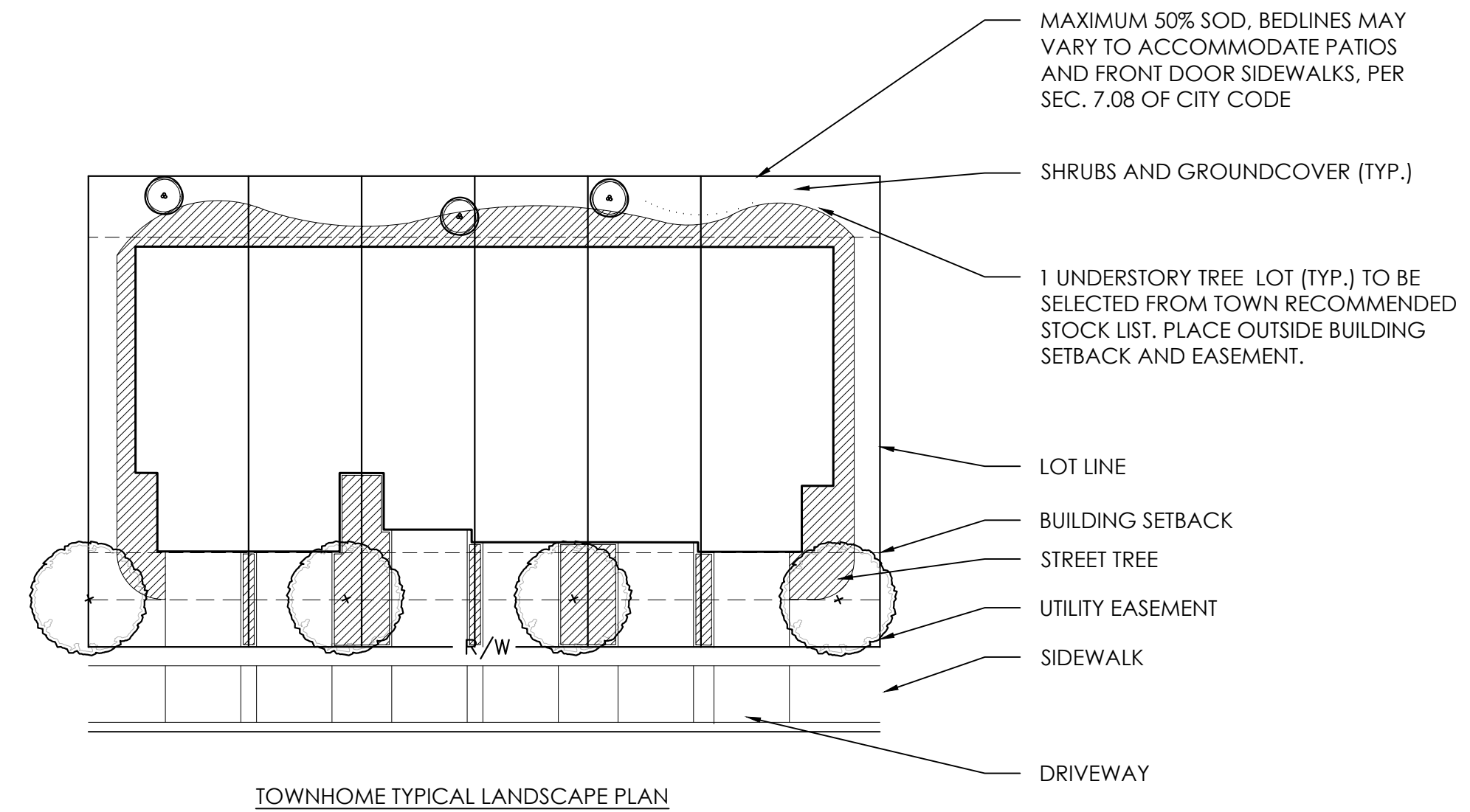
**PLAN**



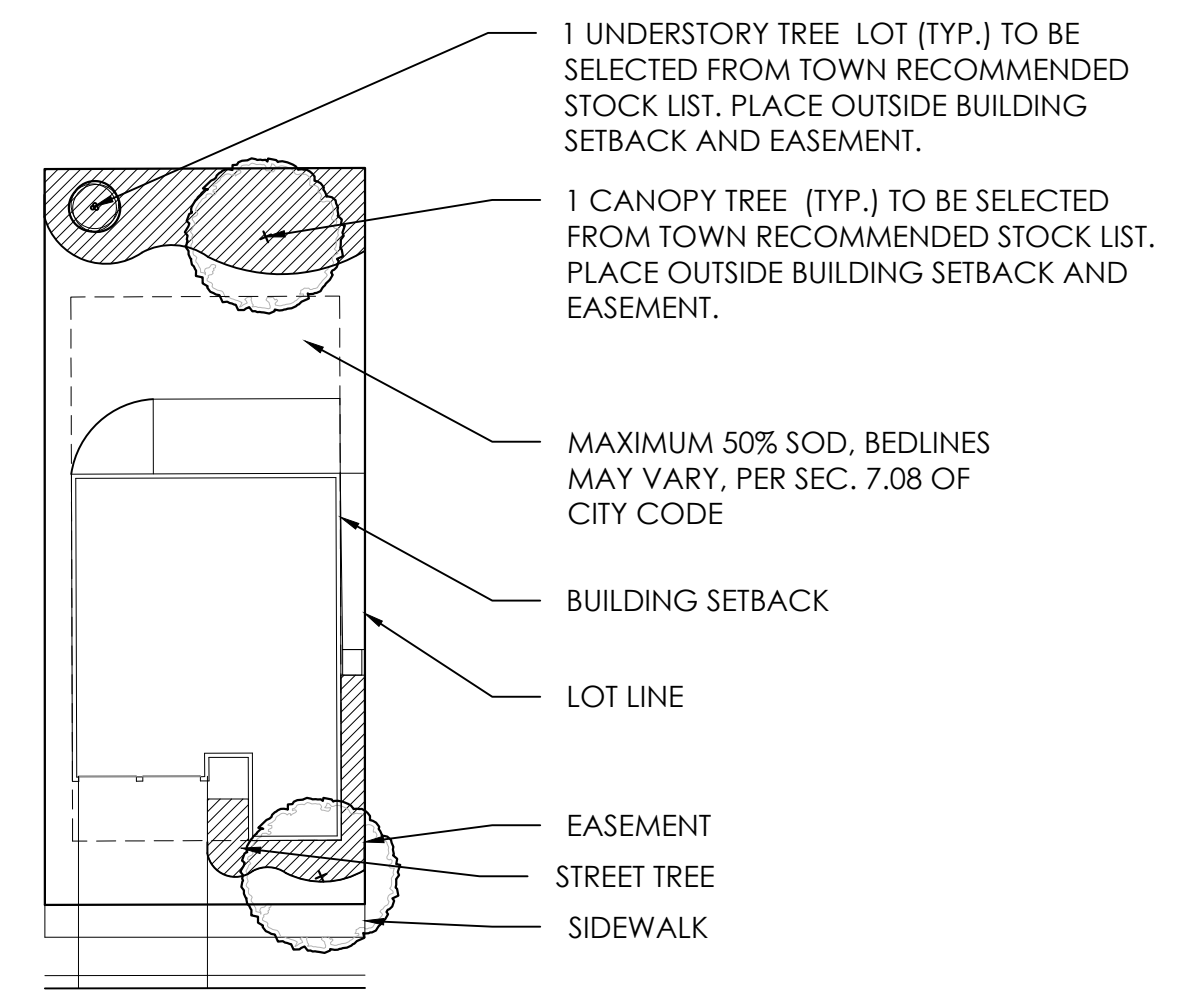
**SECTION**

**TYPICAL PLANTING AT FIRE HYDRANT**

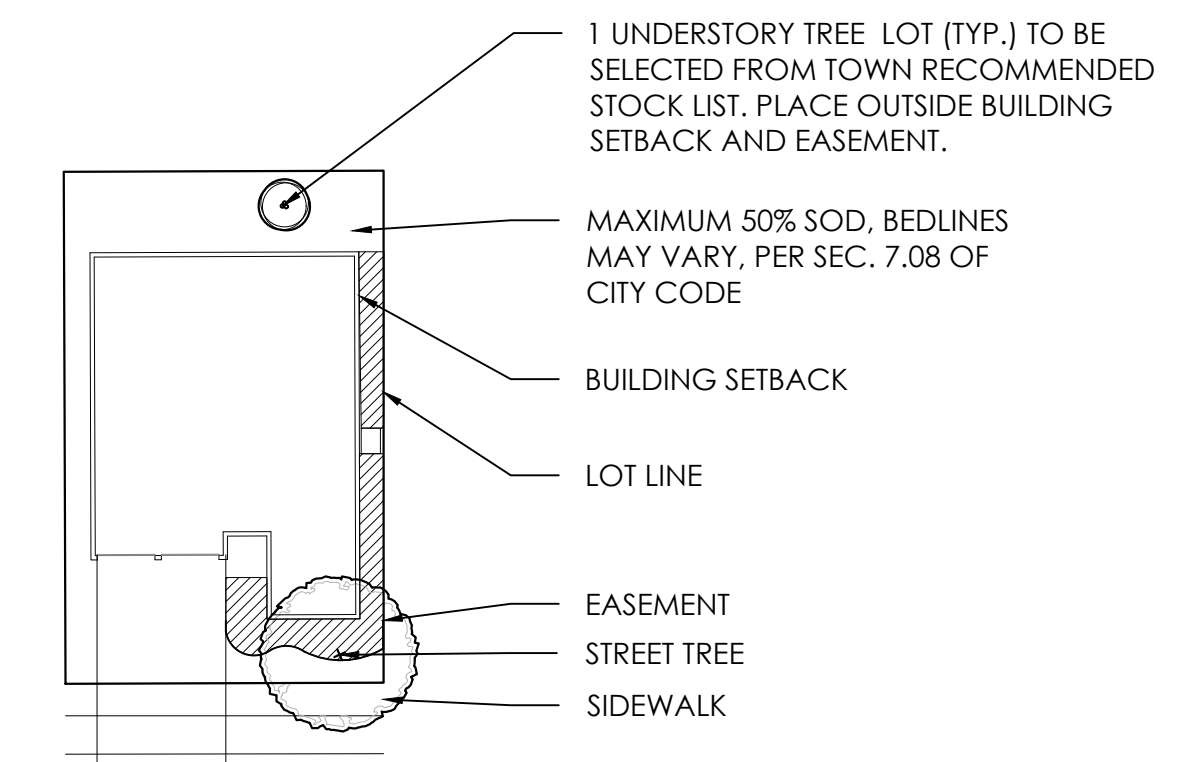
N.T.S.



**TOWNHOME TYPICAL LANDSCAPE PLAN**



**TYPICAL LOT WITH TREES**



**TYPICAL LOT WITH TREES, 50'X80'**

NOTE: TREE SUPPORT MATERIALS SHALL BE REMOVED FROM EACH TREE ONCE IT IS ESTABLISHED. THIS IS USUALLY DONE AFTER 6 MONTHS FOR SHADE TREES AND 1 YEAR FOR PALM TREES.

© 2022, BONNETT DESIGN GROUP, LLC. ALL RIGHTS RESERVED. DESIGNER HEREBY EXPRESSLY RESERVES HIS COPYRIGHT AND OTHER PROPERTY RIGHTS IN THESE PLANS. THESE PLANS AND DRAWINGS ARE NOT TO BE REPRODUCED, CHANGED OR COPIED IN ANY FORM OR MANNER WHATSOEVER WITHOUT FIRST OBTAINING THE EXPRESS WRITTEN PERMISSION AND CONSENT OF BONNETT DESIGN GROUP, LLC NOR ARE THEY TO BE ASSIGNED TO ANY PARTY WITHOUT FIRST OBTAINING SAID WRITTEN PERMISSION AND CONSENT.

DRAWING PROJECTED: 7/19/2022 11:41 AM  
Z:\SHAREPOINT\BONNETT DESIGN GROUP\2021\2021-195-LEN - THE RESERVE AT HOWEY IN THE HILLS\DESIGN\2021-195-LEN - HILLSIDE GROVE\_PHL\_LABASE.DWG



**BONNETT design group, llc**  
landscape architecture  
community planning  
FL LC 26000341

400 South Orlando Ave, Suite 201  
Maitland, FL 32751  
407.622.1588 voice

**Hillside Grove**  
**Landscape Architecture**  
**Easton & Associates**  
HOWEY-IN-THE-HILLS, FLORIDA  
**LANDSCAPE DETAILS & NOTES**

**PHASE 1**

DATE: May 27, 2022  
DRAWN BY: RTM  
CHECKED BY: TWB  
JOB NUMBER: 2021.195  
FILE NAME: 2021.195-LEN - HILLSIDE GROVE\_PHL\_LABASE

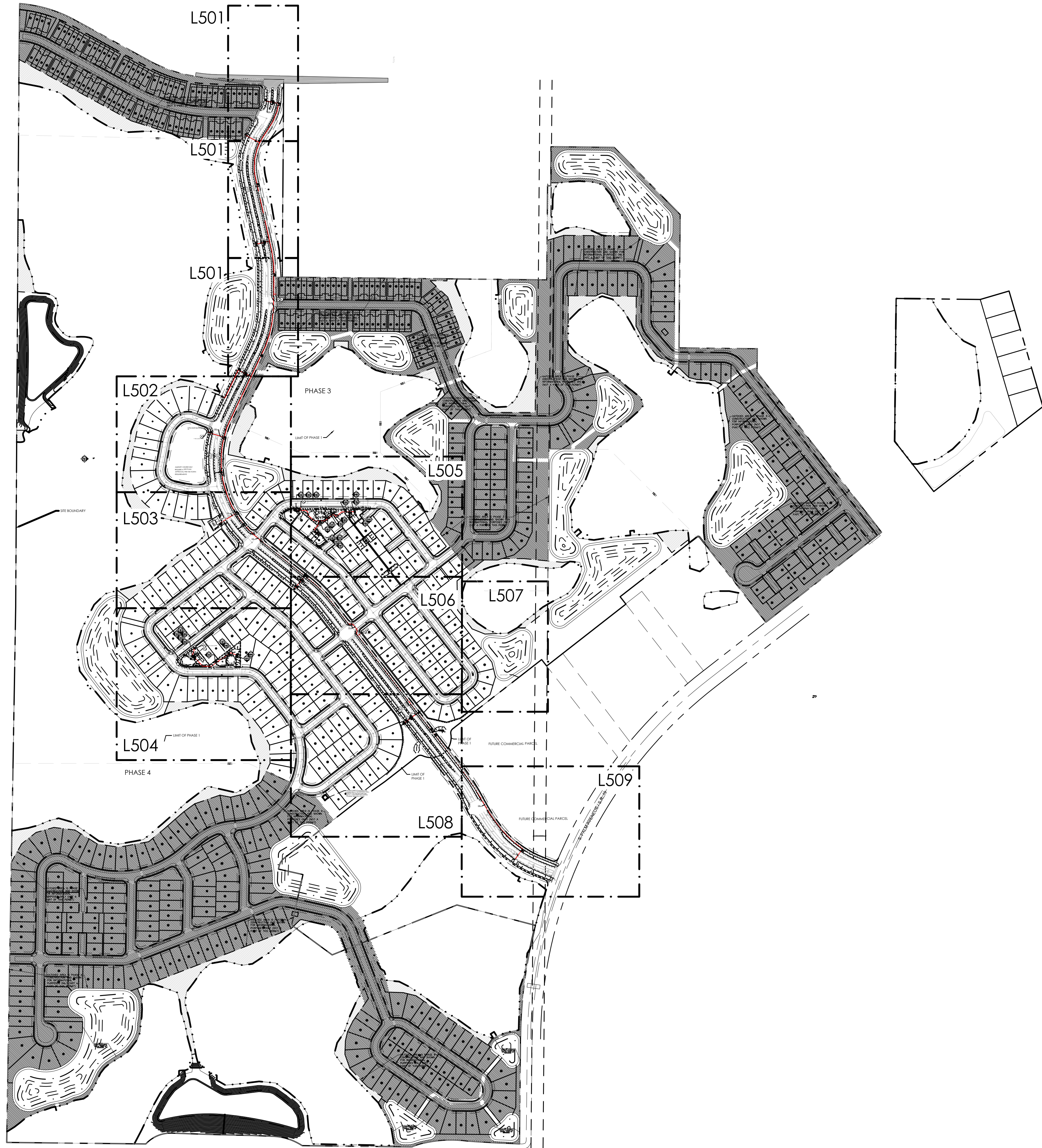
REVISIONS:  
City Comments 09-29-2022

Tadell W. Bonnett, RLA, P.L. 00007276

**L410**

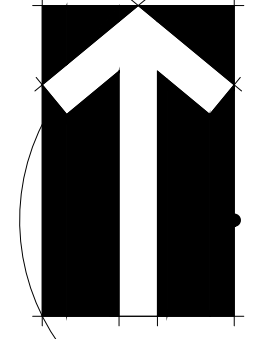
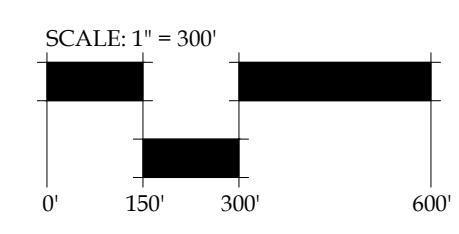


DRAWING PLOTTED: 7/12/2023 11:41:15 AM  
Z:\SHARED\BONNETT DESIGN GROUP\2021\195\_LEN - THE RESERVE AT HOWEY IN THE HILLS\DESIGN\2021\195\_LEN - HILLSIDE GROVE\_P1H\_IRBASE.DWG



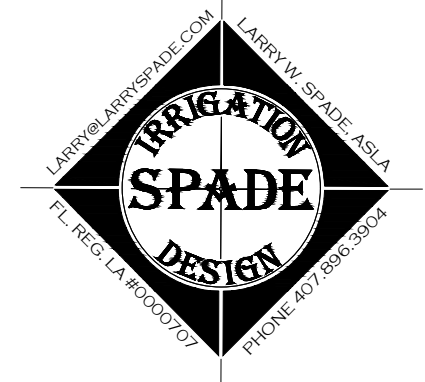
**SITE PLAN UPDATE**

NOTE: PER 7.06.03 IRRIGATION DESIGN AND INSTALLATION AFFIDAVITS, THIS IRRIGATION SYSTEM WILL COMPLY WITH THE STANDARDS OF HOWEY-IN-THE-HILLS WATER CONSERVATION PLAN, IRRIGATION STANDARDS.



- 1
- 2
- 3

© 2022 BONNETT DESIGN GROUP, LLC. ALL RIGHTS RESERVED. DESIGNER HEREBY EXPRESSLY RESERVES HIS COPYRIGHT AND OTHER PROPERTY RIGHTS IN THESE PLANS. THESE PLANS AND DRAWINGS ARE NOT TO BE REPRODUCED, CHANGED OR COPIED IN ANY FORM OR MANNER WHATSOEVER WITHOUT FIRST OBTAINING THE EXPRESS WRITTEN PERMISSION AND CONSENT OF BONNETT DESIGN GROUP, LLC NOR ARE THEY TO BE ASSIGNED TO ANY PARTY WITHOUT FIRST OBTAINING SAID WRITTEN PERMISSION AND CONSENT.



**BONNETT design group, llc**  
landscape architecture  
community planning  
FL LC 26000341

400 South Orlando Ave, Suite 201  
Maitland, FL 32751  
407.622.1588 voice

# Hillside Grove Landscape Architecture Easton & Associates HOWEY-IN-THE-HILLS, FLORIDA OVERALL IRRIGATION PLAN

## PHASE 1

DATE: May 27, 2022  
 DRAWN BY: LWS  
 CHECKED BY: TWB  
 JOB NUMBER: 2021.195  
 FILE NAME: 21.195\_LEN - HILLSIDE GROVE\_P1H\_IRBASE

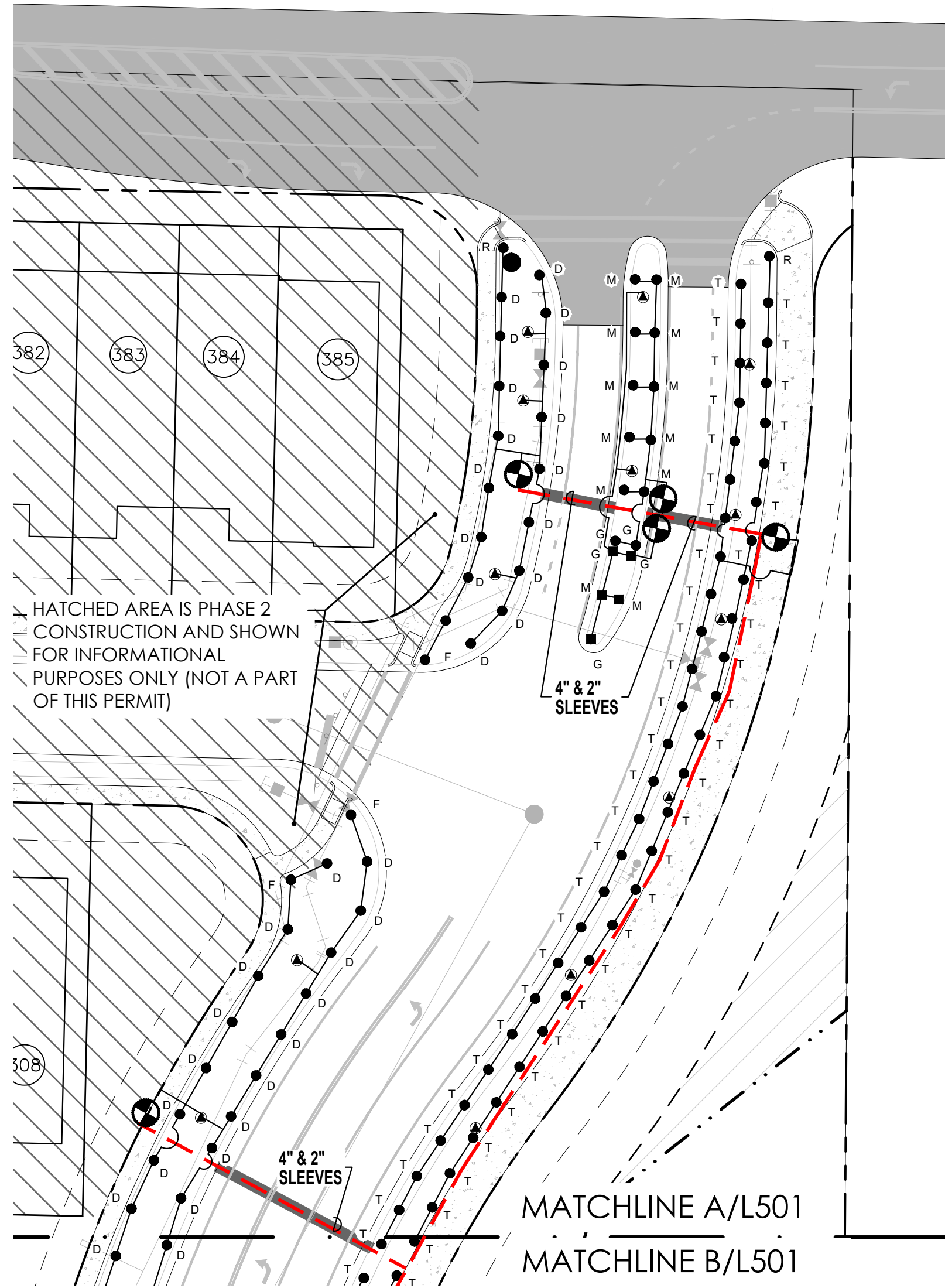
REVISIONS:  
 1 City Comments 09-29-2022  
 2 City Comments 11-17-2022  
 3 City Comments 06-23-2023



# L500

Field W. Bonnett, RLA #140007736

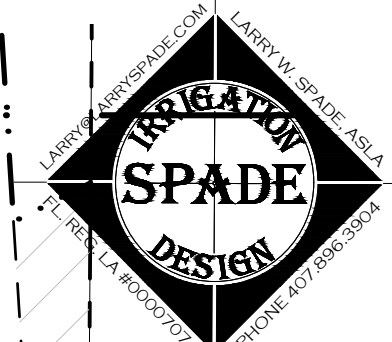
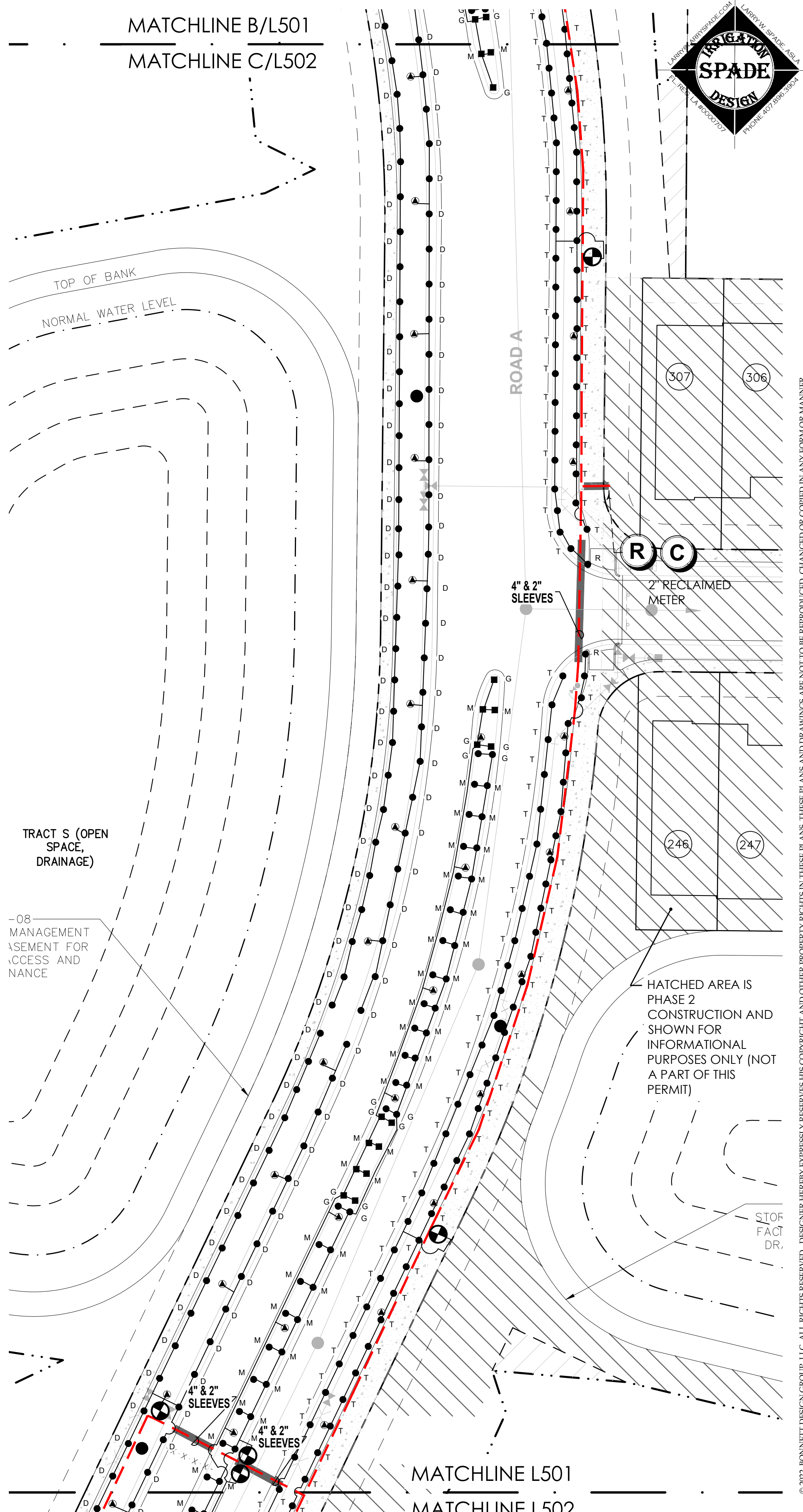
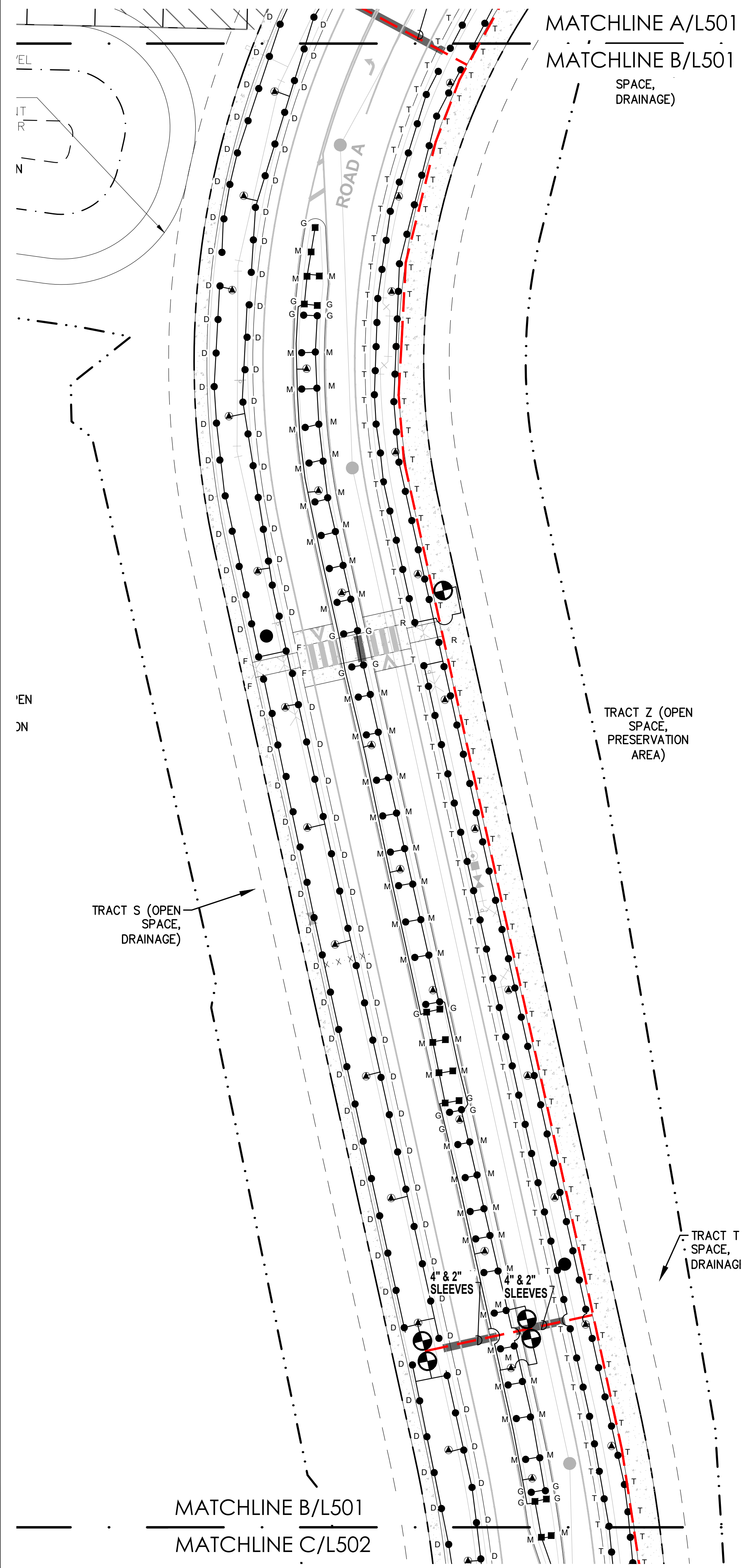
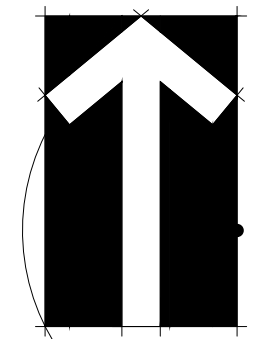
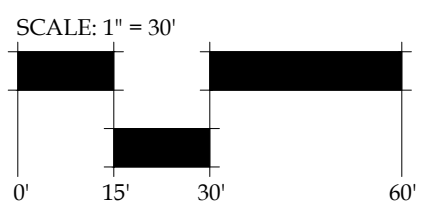




HATCHED AREA IS PHASE 2 CONSTRUCTION AND SHOWN FOR INFORMATIONAL PURPOSES ONLY (NOT A PART OF THIS PERMIT)

**PLANT SHRUB HEAD NOTE**

SPRAY HEADS WERE USED IN THE PLANT BEDS INSTEAD OF MICRO-IRRIGATION. THESE ZONES SHALL BE TURNED OFF AFTER THE PLANTS ARE ESTABLISHED.



BONNETT design group, llc  
landscape architecture  
community planning  
FL LC 26000341  
400 South Orlando Ave, Suite 201  
Maitland, FL 32751  
407.622.1588 voice

Hillside Grove  
Landscape Architecture  
Easton & Associates  
HOWEY-IN-THE-HILLS, FLORIDA  
IRRIGATION PLAN

**PHASE 1**

DATE:	May 27, 2022
DRAWN BY:	LWS
CHECKED BY:	TWB
JOB NUMBER:	2021.195
FILE NAME:	21.195_LEN - HILLSIDE GROVE_PHL_IRBASE
REVISIONS:	
△	City Comments 09-29-2022
△	City Comments 11-17-2022
△	City Comments 06-23-2023

L501

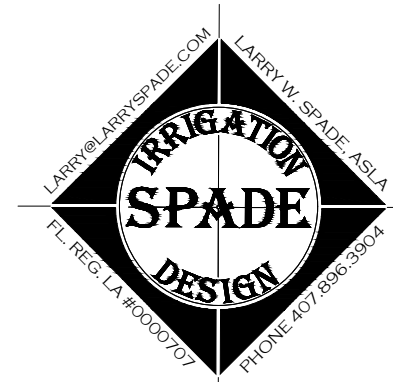
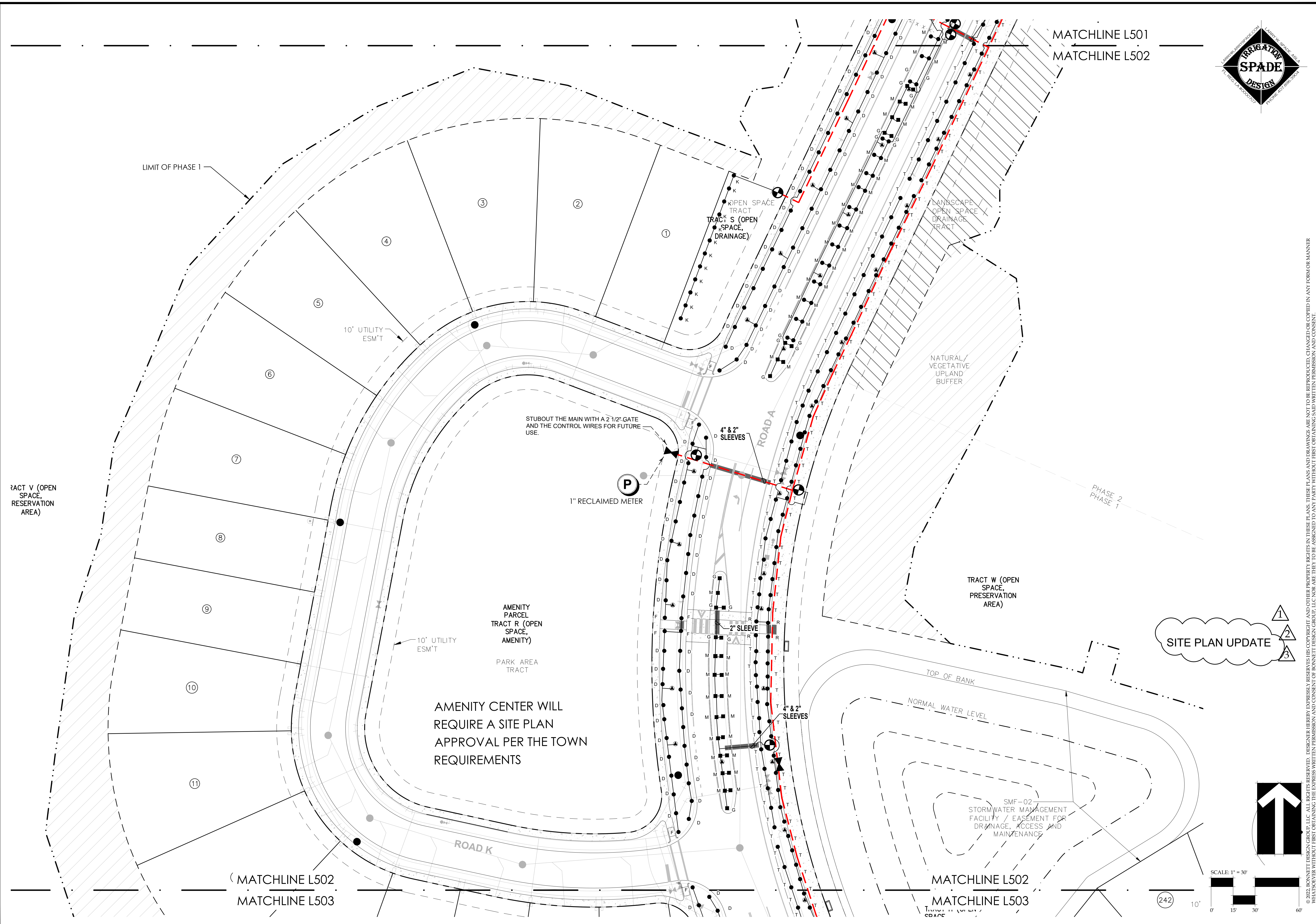
DRAWING CREATED: 7/12/2021 11:41:04 AM  
Z:\SHARED\BONNETT DESIGN GROUP\2021\2021.195\_LEN - THE RESERVE AT HOWEY IN THE HILLS\DESIGN\2021.195\_LEN - HILLSIDE GROVE\_PHL\_IRBASE.DWG

© 2022, BONNETT DESIGN GROUP, LLC. ALL RIGHTS RESERVED. DESIGNER HEREBY EXPRESSLY RESERVES HIS COPYRIGHT AND OTHER PROPERTY RIGHTS IN THESE PLANS. THESE PLANS AND DRAWINGS ARE NOT TO BE REPRODUCED, CHANGED OR COPIED IN ANY FORM OR MANNER WHATSOEVER WITHOUT FIRST OBTAINING THE EXPRESS WRITTEN PERMISSION AND CONSENT OF BONNETT DESIGN GROUP, LLC NOR ARE THEY TO BE ASSIGNED TO ANY PARTY WITHOUT FIRST OBTAINING SAID WRITTEN PERMISSION AND CONSENT.

Tadell W. Bonnett, RLA, P.L. 00007376



DRAWING FILED: 7/19/2022 1:11:20 PM  
Z:\SHARE\BONNETT DESIGN GROUP\2021\195 LEN - HILLSIDE GROVE PH1\_RBASE.DWG



**BONNETT design group, llc**  
landscape architecture  
community planning  
FL LC 26000341

400 South Orlando Ave, Suite 201  
Maitland, FL 32751  
407.622.1588 voice

**Hillside Grove**  
**Landscape Architecture**  
**Easton & Associates**  
HOWEY-IN-THE-HILLS, FLORIDA  
**IRRIGATION PLAN**

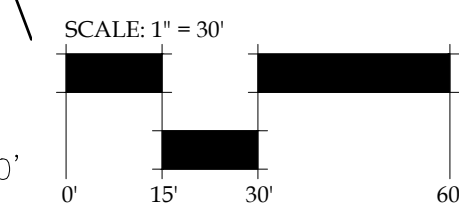
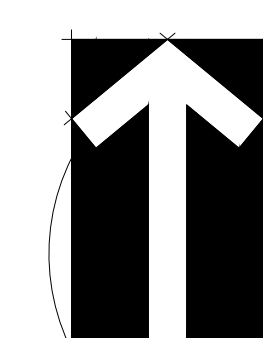
**PHASE 1**

DATE: May 27, 2022  
DRAWN BY: LWS  
CHECKED BY: TWB  
JOB NUMBER: 2021.195  
FILE NAME: 21.195\_LEN - HILLSIDE GROVE\_PH1\_RBASE

REVISIONS:

1	City Comments 09-29-2022
2	City Comments 11-17-2022
3	City Comments 06-23-2023

SITE PLAN UPDATE

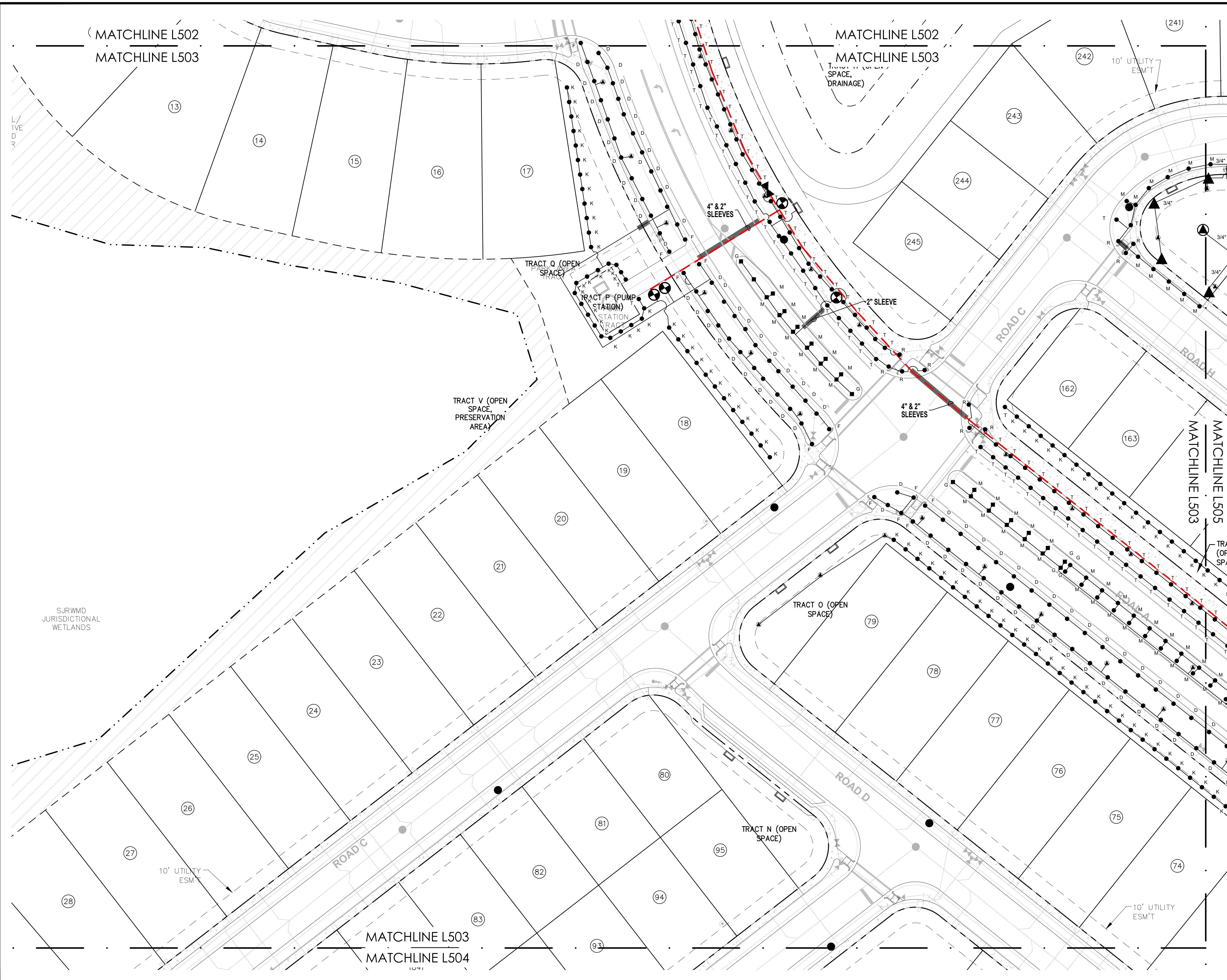


**L502**

© 2022 BONNETT DESIGN GROUP, LLC. ALL RIGHTS RESERVED. DESIGNER HEREBY EXPRESSLY RESERVES HIS COPYRIGHT AND OTHER PROPERTY RIGHTS IN THESE PLANS. THESE PLANS AND DRAWINGS ARE NOT TO BE REPRODUCED, CHANGED OR COPIED IN ANY FORM OR MANNER WHATSOEVER WITHOUT FIRST OBTAINING THE EXPRESS WRITTEN PERMISSION AND CONSENT OF BONNETT DESIGN GROUP, LLC NOR ARE THEY TO BE ASSIGNED TO ANY PARTY WITHOUT FIRST OBTAINING SAID WRITTEN PERMISSION AND CONSENT.

Tedd W. Bonnett, RLA, P.L. 00007376





BONNETT design group, llc  
 landscape architecture  
 community planning  
 FL LC 26000341  
 400 South Orlando Ave, Suite 201  
 Maitland, FL 32751  
 407.622.1588 voice

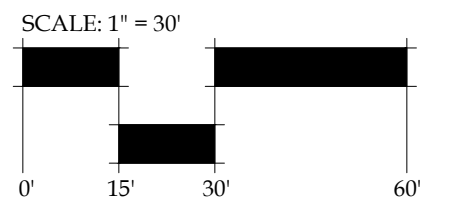
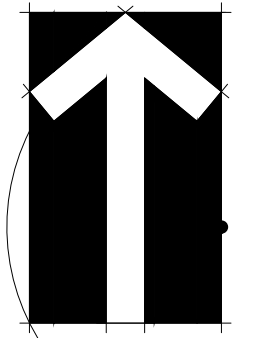
Hillside Grove  
 Landscape Architecture  
 Easton & Associates  
 HOWEY-IN-THE-HILLS, FLORIDA  
 IRRIGATION PLAN

PHASE 1

DATE: May 27, 2022  
 DRAWN BY: LWS  
 CHECKED BY: TWB  
 JOB NUMBER: 2021.195  
 FILE NAME: 21.195\_LEN - HILLSIDE GROVE\_PH1\_IRBASE

- REVISIONS:
- ▲ City Comments 09-29-2022
  - ▲ City Comments 11-17-2022
  - ▲ City Comments 06-23-2023

SITE PLAN UPDATE

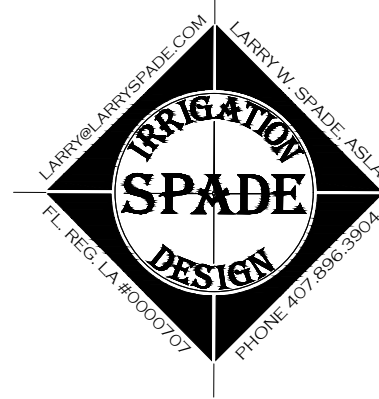


© 2022, BONNETT DESIGN GROUP, LLC. ALL RIGHTS RESERVED. DESIGNER HEREBY EXPRESSLY RESERVES HIS COPYRIGHT AND OTHER PROPERTY RIGHTS IN THESE PLANS. THESE PLANS AND DRAWINGS ARE NOT TO BE REPRODUCED, CHANGED OR COPIED IN ANY FORM OR MANNER WHATSOEVER WITHOUT FIRST OBTAINING THE EXPRESS WRITTEN PERMISSION AND CONSENT OF BONNETT DESIGN GROUP, LLC NOR ARE THEY TO BE ASSIGNED TO ANY PARTY WITHOUT FIRST OBTAINING SAID WRITTEN PERMISSION AND CONSENT.

DRAWING PLOTTED: 7/19/2023 11:22 AM  
 Z:\SHARED\BONNETT DESIGN GROUP\2021\195\_LEN - THE RESERVE AT HOWEY IN THE HILLS\DESIGN\2021\195\_LEN - HILLSIDE GROVE\_PH1\_IRBASE.DWG

L503





BONNETT design group, llc  
landscape architecture  
community planning  
FL LC 26000341

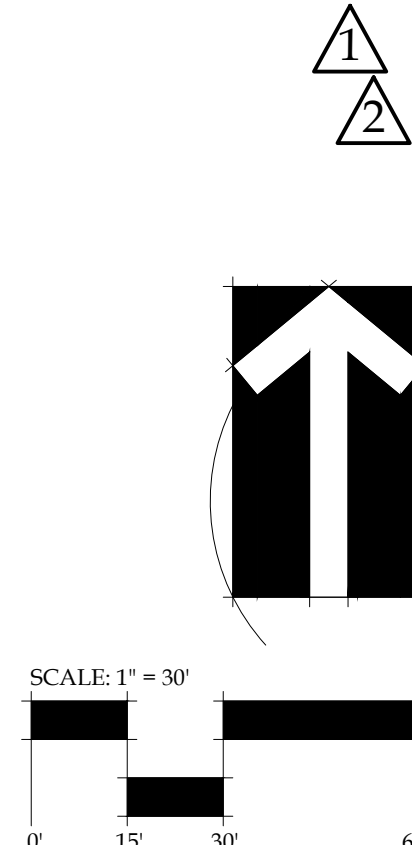
400 South Orlando Ave, Suite 201  
Maitland, FL 32751  
407.622.1588 voice

Hillside Grove  
Landscape Architecture  
Easton & Associates  
HOWEY-IN-THE-HILLS, FLORIDA  
IRRIGATION PLAN

PHASE 1

DATE: May 27, 2022  
DRAWN BY: LWS  
CHECKED BY: TWB  
JOB NUMBER: 2021.195  
FILE NAME: 21.195\_LEN - HILLSIDE GROVE\_PHL\_IRBASE

REVISIONS:  
1 City Comments 09-29-2022  
2 City Comments 11-17-2022



L504

DRAWING PLOTTED: 7/19/2023 11:24 AM  
Z:\SHARE\BONNETT DESIGN GROUP\2021\2021.195\_LEN - THE RESERVE AT HOWEY IN THE HILLS\DESIGN\2021.195\_LEN - HILLSIDE GROVE\_PHL\_IRBASE.DWG

© 2022, BONNETT DESIGN GROUP, LLC. ALL RIGHTS RESERVED. DESIGNER HEREBY EXPRESSLY RESERVES HIS COPYRIGHT AND OTHER PROPERTY RIGHTS IN THESE PLANS. THESE PLANS AND DRAWINGS ARE NOT TO BE REPRODUCED, CHANGED OR COPIED IN ANY FORM OR MANNER WHATSOEVER WITHOUT FIRST OBTAINING THE EXPRESS WRITTEN PERMISSION AND CONSENT OF BONNETT DESIGN GROUP, LLC NOR ARE THEY TO BE ASSIGNED TO ANY PARTY WITHOUT FIRST OBTAINING SAID WRITTEN PERMISSION AND CONSENT.

Todd W. Bonnett, RLA #14000778





BONNETT design group, llc  
landscape architecture  
community planning  
FL LC 26000341

400 South Orlando Ave, Suite 201  
Maitland, FL 32751  
407.622.1588 voice

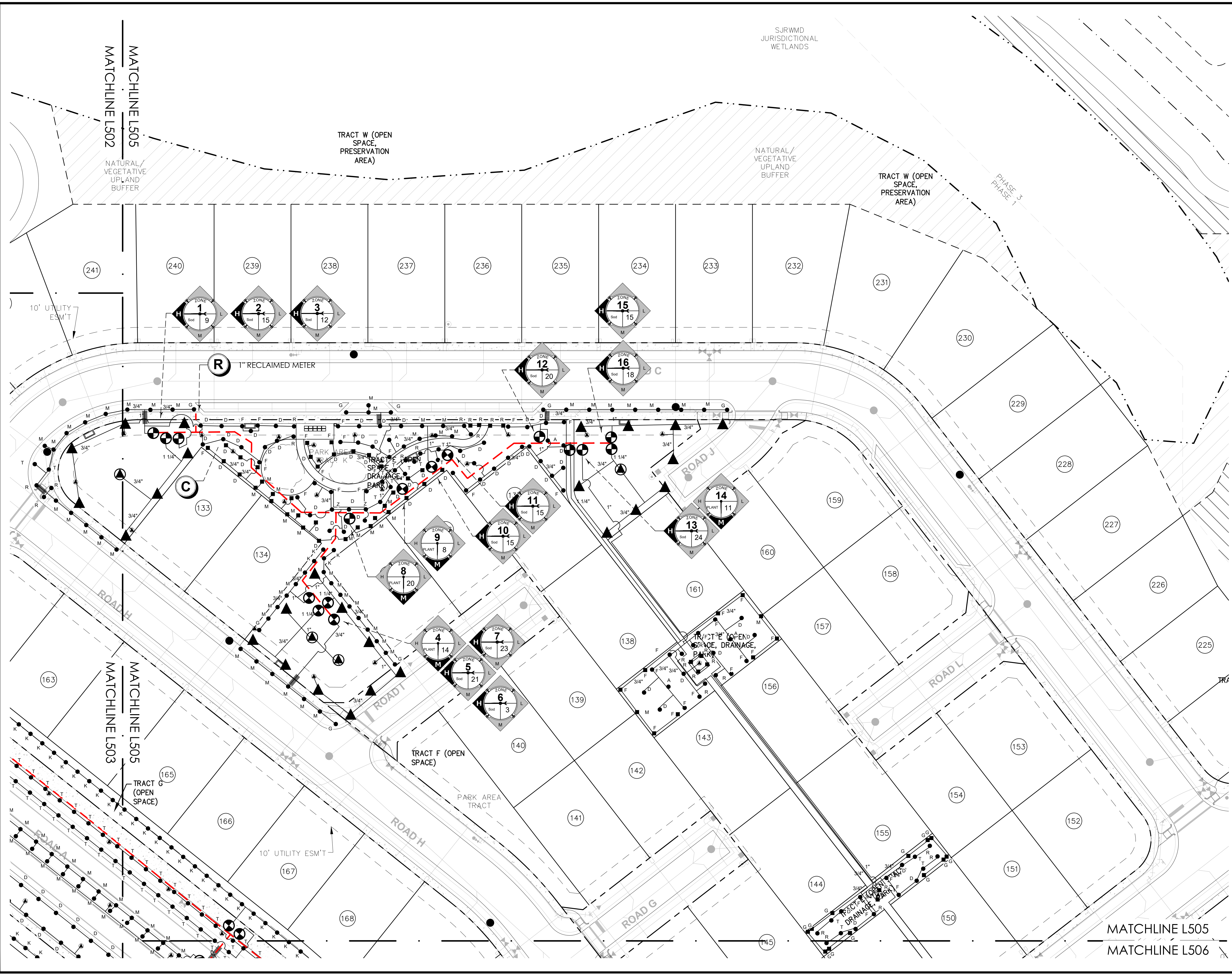
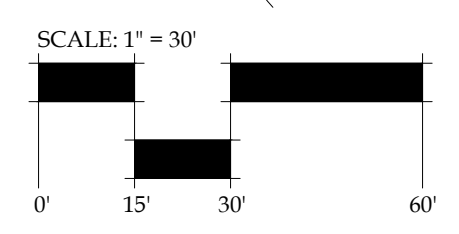
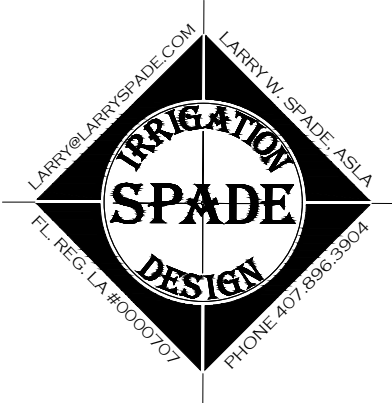
# Hillside Grove Landscape Architecture Easton & Associates HOWEY-IN-THE-HILLS, FLORIDA IRRIGATION PLAN

## PHASE 1

DATE: May 27, 2022  
DRAWN BY: LWS  
CHECKED BY: TWB  
JOB NUMBER: 2021.195  
FILE NAME: 21.195\_LEN - HILLSIDE GROVE\_PHL\_IRBASE

REVISIONS:  
1 City Comments 09-29-2022  
2 City Comments 11-17-2022

# L505

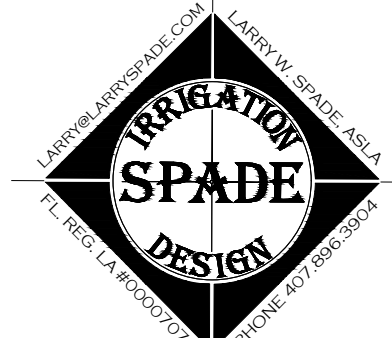
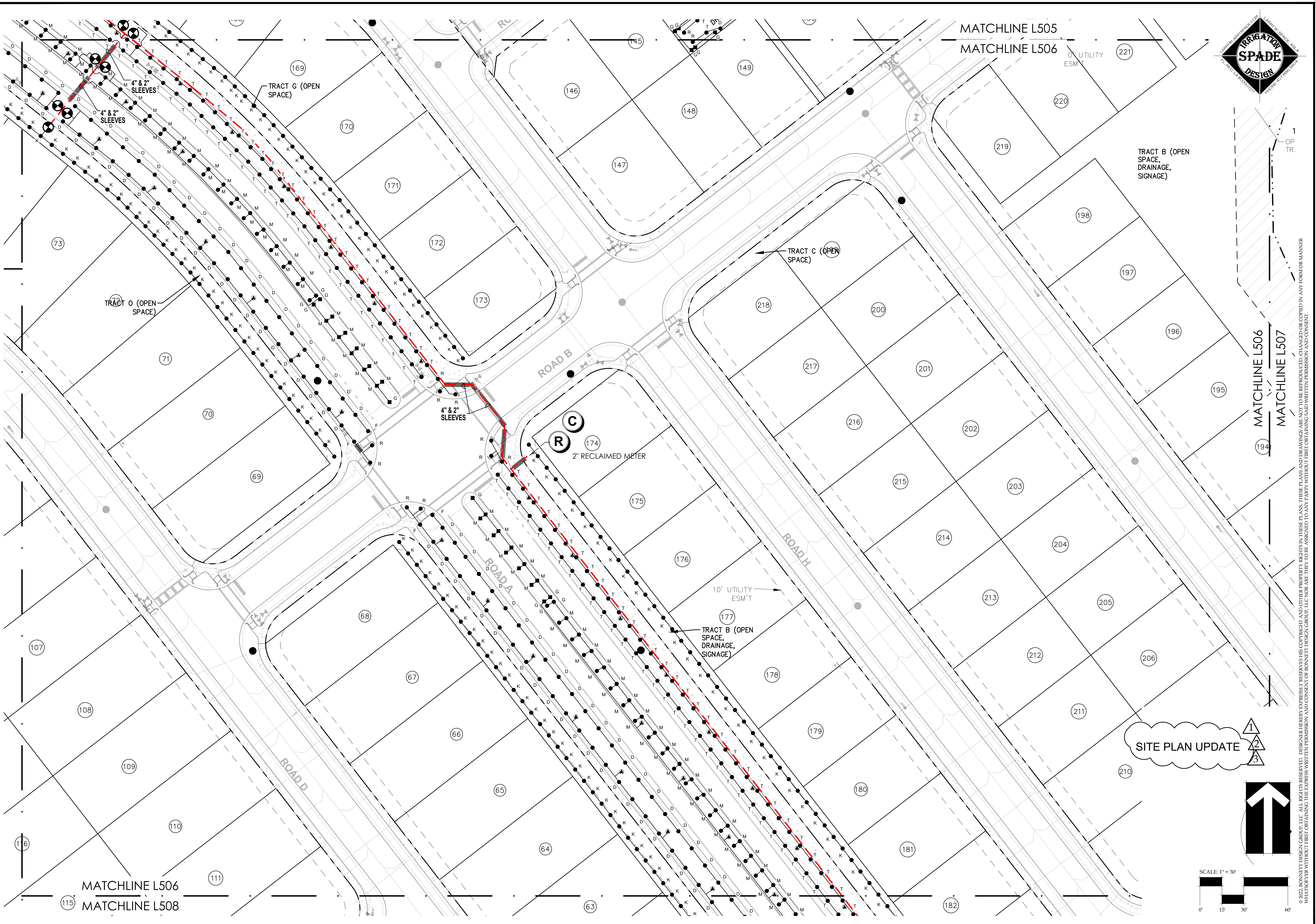


DRAWING PLOTTED: 7/12/2022 1:12:25 PM  
Z:\SHARE\BONNETT DESIGN GROUP\2021\2021.195\_LEN - THE RESERVE AT HOWEY IN THE HILLS\DESIGN\2021.195\_LEN - HILLSIDE GROVE\_PHL\_IRBASE.DWG

© 2022 BONNETT DESIGN GROUP, LLC. ALL RIGHTS RESERVED. DESIGNER HEREBY EXPRESSLY RESERVES HIS COPYRIGHT AND OTHER PROPERTY RIGHTS IN THESE PLANS. THESE PLANS AND DRAWINGS ARE NOT TO BE REPRODUCED, CHANGED OR COPIED IN ANY FORM OR MANNER WHATSOEVER WITHOUT FIRST OBTAINING THE EXPRESS WRITTEN PERMISSION AND CONSENT OF BONNETT DESIGN GROUP, LLC NOR ARE THEY TO BE ASSIGNED TO ANY PARTY WITHOUT FIRST OBTAINING SAID WRITTEN PERMISSION AND CONSENT.

Todd W. Bonnett, RLA, P.L. 00007276





BONNETT design group, llc  
 landscape architecture  
 community planning  
 FL LC 26000341  
 400 South Orlando Ave, Suite 201  
 Maitland, FL 32751  
 407.622.1588 voice

Hillside Grove  
 Landscape Architecture  
 Easton & Associates  
 HOWEY-IN-THE-HILLS, FLORIDA  
 IRRIGATION PLAN

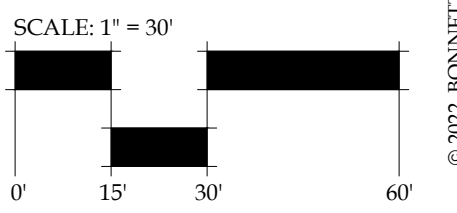
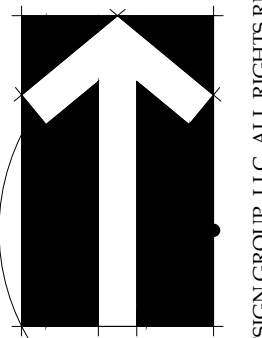
PHASE 1

DATE: May 27, 2022  
 DRAWN BY: LWS  
 CHECKED BY: TWB  
 JOB NUMBER: 2021.195  
 FILE NAME: 21.195\_LEN - HILLSIDE GROVE\_PHL\_IRBASE

REVISIONS:

1	City Comments 09-29-2022
2	City Comments 11-17-2022
3	City Comments 06-23-2023

SITE PLAN UPDATE



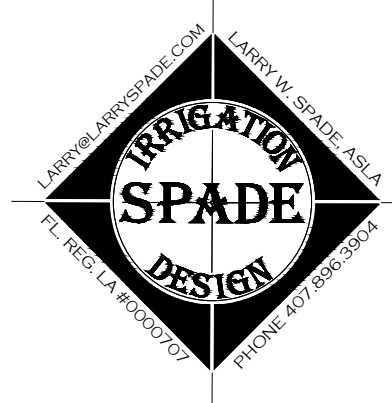
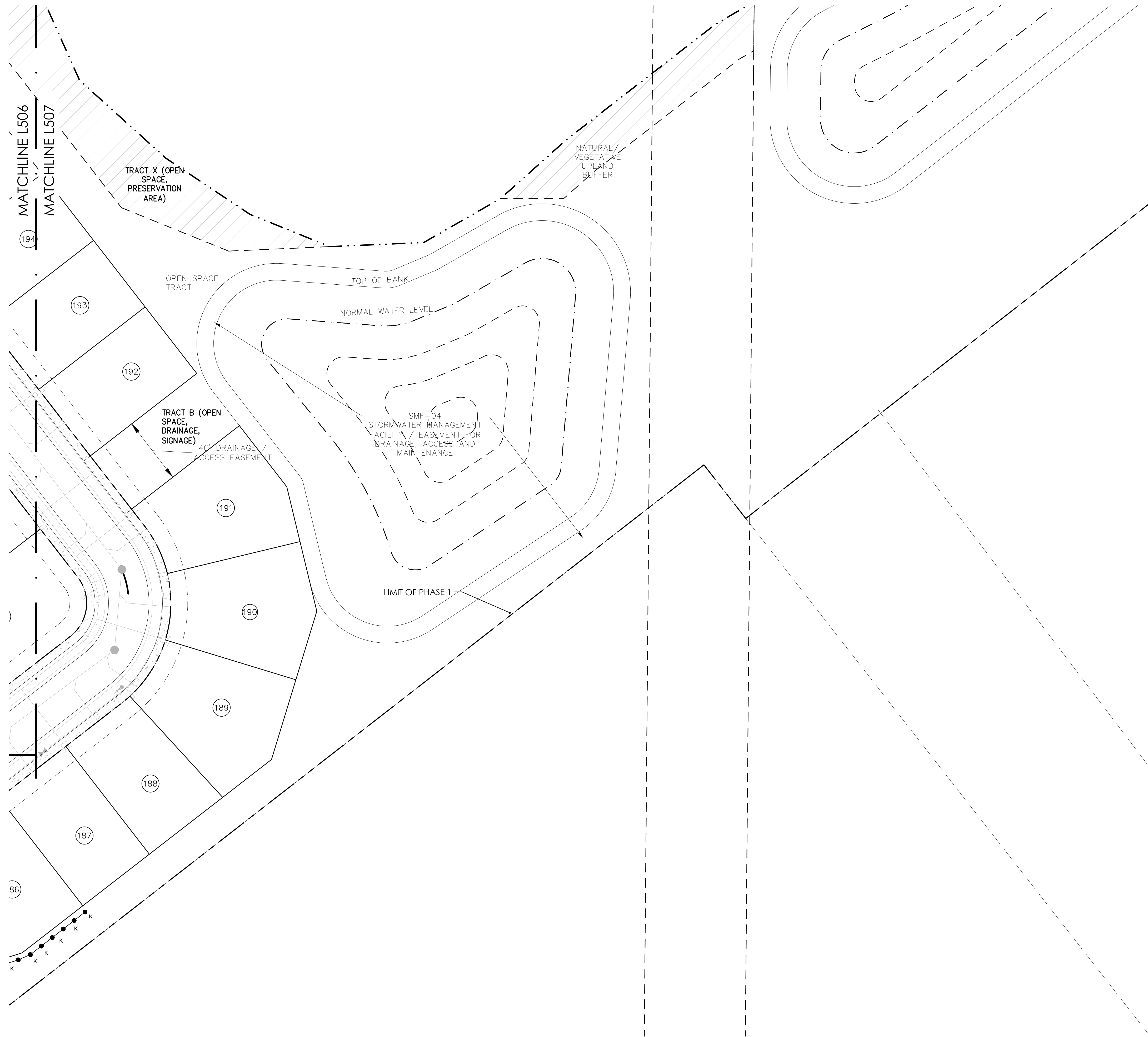
L506

DRAWING PLOTTED: 7/12/2023 11:27 AM  
 Z:\SHARED\BONNETT DESIGN GROUP\2021\2021.195\_LEN - THE RESERVE AT HOWEY IN THE HILLS\DESIGN\2021.195\_LEN - HILLSIDE GROVE\_PHL\_IRBASE.DWG

© 2022 BONNETT DESIGN GROUP, LLC. ALL RIGHTS RESERVED. DESIGNER HEREBY EXPRESSLY RESERVES HIS COPYRIGHT AND OTHER PROPERTY RIGHTS IN THESE PLANS. THESE PLANS AND DRAWINGS ARE NOT TO BE REPRODUCED, CHANGED OR COPIED IN ANY FORM OR MANNER WHATSOEVER WITHOUT FIRST OBTAINING THE EXPRESS WRITTEN PERMISSION AND CONSENT OF BONNETT DESIGN GROUP, LLC NOR ARE THEY TO BE ASSIGNED TO ANY PARTY WITHOUT FIRST OBTAINING SAID WRITTEN PERMISSION AND CONSENT.



DRAWING PLOTTED: 7/19/2022 1:11:28 PM  
Z:\SHARE\BONNETT DESIGN GROUP\2021\195\_LEN - THE RESERVE AT HOWEY IN THE HILLS\DESIGN\2021\195\_LEN - HILLSIDE GROVE\_P1H\_IRRBASE.DWG



BONNETT design group, llc  
landscape architecture  
community planning  
FL LC 26000341

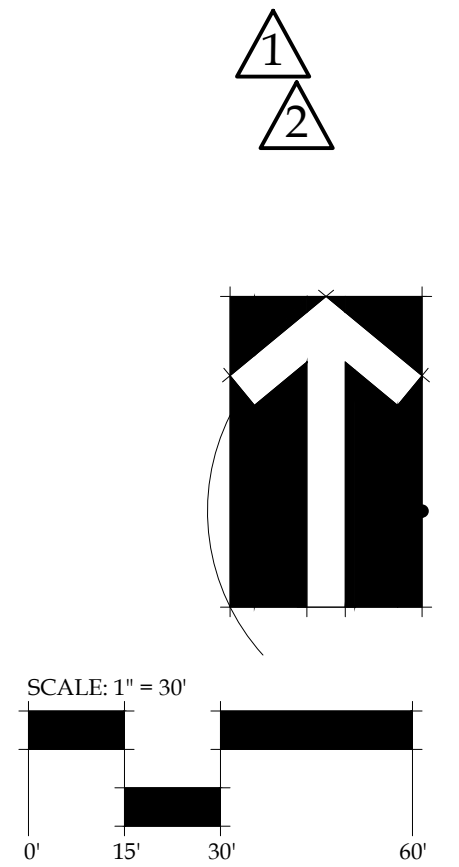
400 South Orlando Ave, Suite 201  
Maitland, FL 32751  
407.622.1588 voice

# Hillside Grove Landscape Architecture Easton & Associates HOWEY-IN-THE-HILLS, FLORIDA IRRIGATION PLAN

## PHASE 1

DATE: May 27, 2022  
DRAWN BY: LWS  
CHECKED BY: TWB  
JOB NUMBER: 2021.195  
FILE NAME: 21.195\_LEN - HILLSIDE GROVE\_P1H\_IRBASE

REVISIONS:  
1 City Comments 09-29-2022  
2 City Comments 11-17-2022

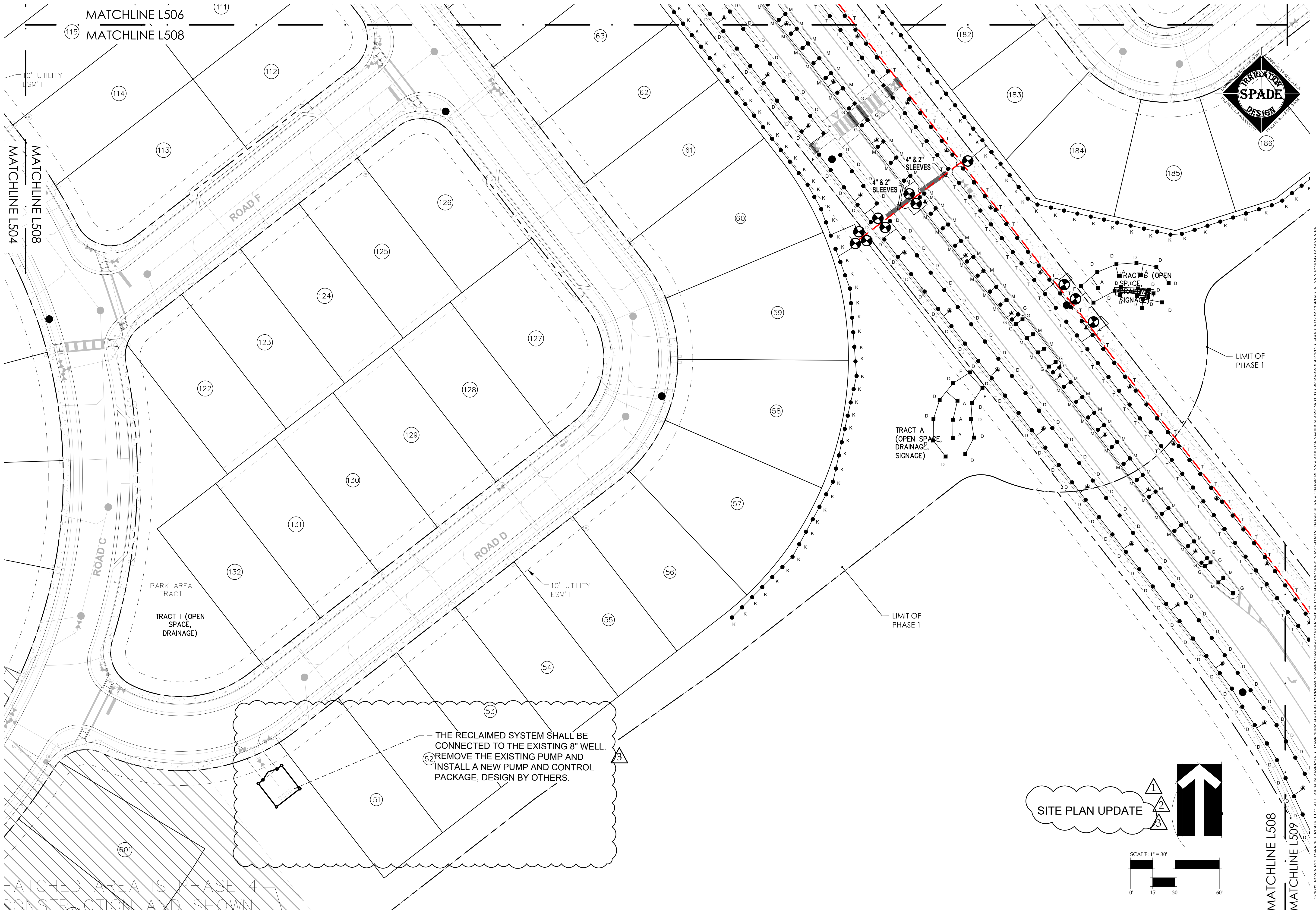


# L507

© 2022, BONNETT DESIGN GROUP, LLC. ALL RIGHTS RESERVED. DESIGNER HEREBY EXPRESSLY RESERVES HIS COPYRIGHT AND OTHER PROPERTY RIGHTS IN THESE PLANS. THESE PLANS AND DRAWINGS ARE NOT TO BE REPRODUCED, CHANGED OR COPIED IN ANY FORM OR MANNER WHATSOEVER WITHOUT FIRST OBTAINING THE EXPRESS WRITTEN PERMISSION AND CONSENT OF BONNETT DESIGN GROUP, LLC NOR ARE THEY TO BE ASSIGNED TO ANY PARTY WITHOUT FIRST OBTAINING SAID WRITTEN PERMISSION AND CONSENT.

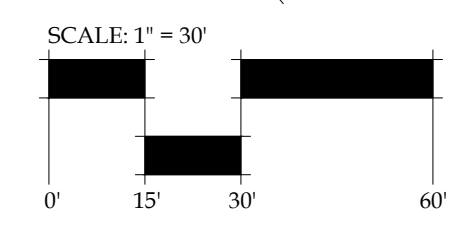
Todd W. Bennett, R.L.A. P.L. 00007376





THE RECLAIMED SYSTEM SHALL BE CONNECTED TO THE EXISTING 8" WELL. REMOVE THE EXISTING PUMP AND INSTALL A NEW PUMP AND CONTROL PACKAGE, DESIGN BY OTHERS.

SITE PLAN UPDATE



HATCHED AREA IS PHASE 4 CONSTRUCTION AND SHOWN



BONNETT design group, llc  
landscape architecture  
community planning  
FL LC 26000341

400 South Orlando Ave, Suite 201  
Maitland, FL 32751  
407.622.1588 voice

Hillside Grove  
Landscape Architecture  
Easton & Associates  
HOWEY-IN-THE-HILLS, FLORIDA  
IRRIGATION PLAN

PHASE 1

DATE: May 27, 2022  
DRAWN BY: LWS  
CHECKED BY: TWB  
JOB NUMBER: 2021.195  
FILE NAME: 21.195\_LEN - HILLSIDE GROVE\_PHL\_IRBASE

REVISIONS:

1	City Comments 09-29-2022
2	City Comments 11-17-2022
3	City Comments 06-23-2023

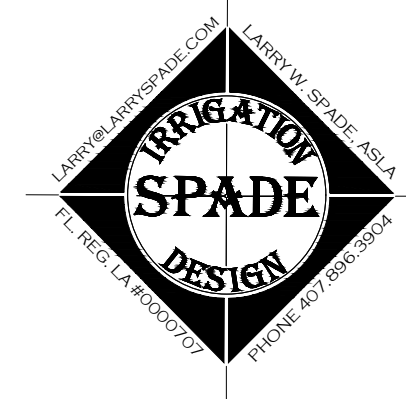
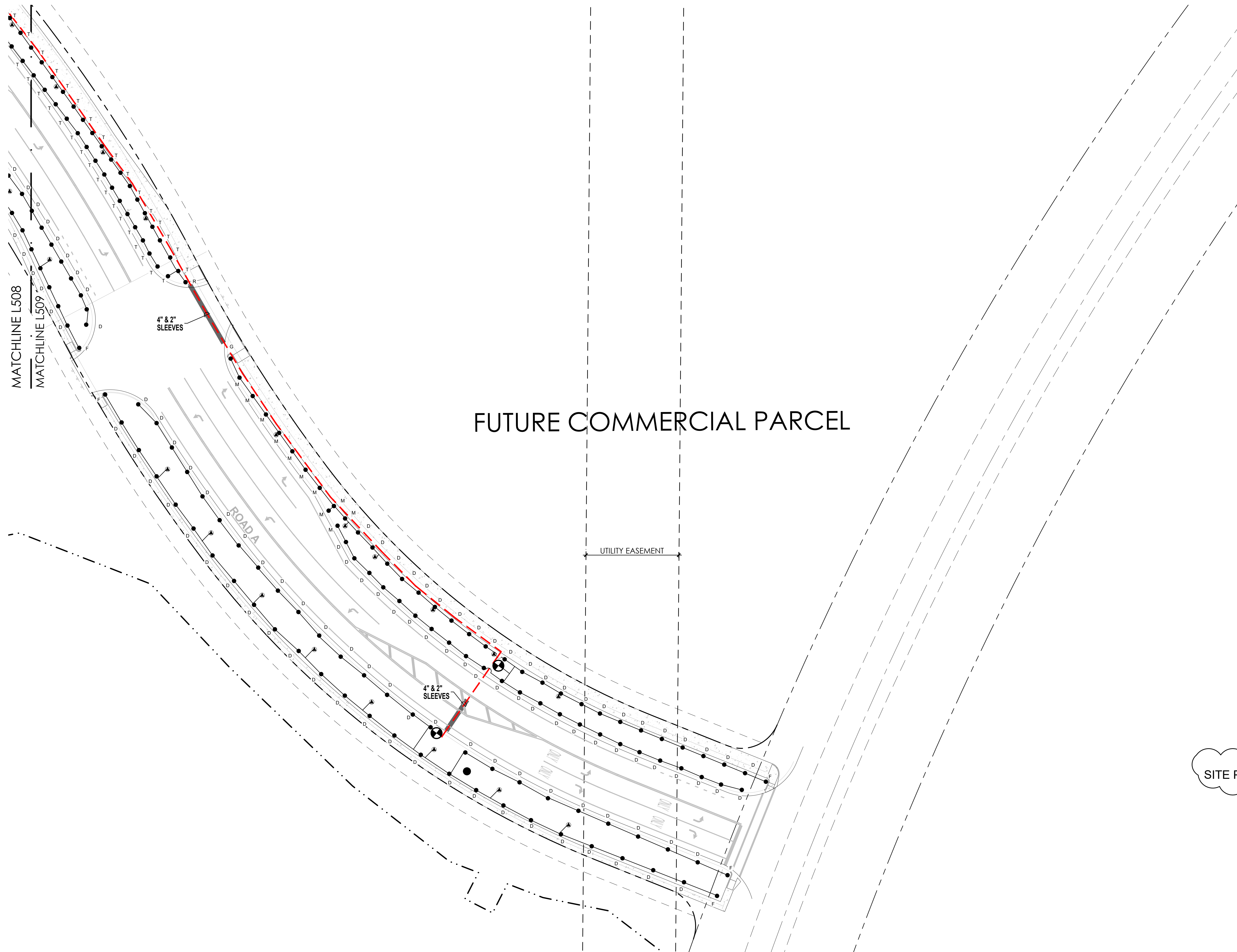
L508

DRAWING PLOTTED: 7/12/2023 11:20 AM  
Z:\SHARED\BONNETT DESIGN GROUP\2021\2021.195\_LEN - THE RESERVE AT HOWEY IN THE HILLS\DESIGN\2021.195\_LEN - HILLSIDE GROVE\_PHL\_IRBASE.DWG

© 2022, BONNETT DESIGN GROUP, LLC. ALL RIGHTS RESERVED. DESIGNER HEREBY EXPRESSLY RESERVES HIS COPYRIGHT AND OTHER PROPERTY RIGHTS IN THESE PLANS. THESE PLANS AND DRAWINGS ARE NOT TO BE REPRODUCED, CHANGED OR COPIED IN ANY FORM OR MANNER WHATSOEVER WITHOUT FIRST OBTAINING THE EXPRESS WRITTEN PERMISSION AND CONSENT OF BONNETT DESIGN GROUP, LLC NOR ARE THEY TO BE ASSIGNED TO ANY PARTY WITHOUT FIRST OBTAINING SAID WRITTEN PERMISSION AND CONSENT.



DRAWING PLOTTED: 7/12/2023 1:11:21 PM  
Z:\SHARED\BONNETT DESIGN GROUP\2021\2021.195\_LEN - THE RESERVE AT HOWEY IN THE HILLS\DESIGN\2021.195\_LEN - HILLSIDE GROVE\_PHL\_IRRBASE.DWG



BONNETT design group, llc  
landscape architecture  
community planning  
FL LC 26000341  
400 South Orlando Ave, Suite 201  
Maitland, FL 32751  
407.622.1588 voice

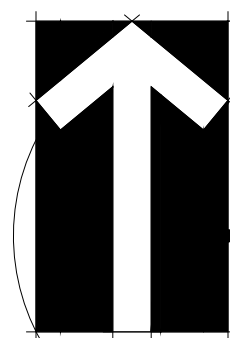
Hillside Grove  
Landscape Architecture  
Easton & Associates  
HOWEY-IN-THE-HILLS, FLORIDA  
IRRIGATION PLAN

PHASE 1

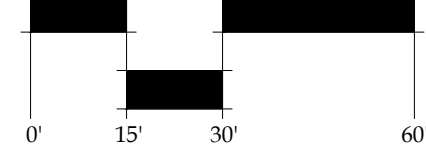
DATE: May 27, 2022  
DRAWN BY: LWS  
CHECKED BY: TWB  
JOB NUMBER: 2021.195  
FILE NAME:  
21.195\_LEN - HILLSIDE GROVE\_PHL\_IRBASE

REVISIONS:  
1 City Comments 09-29-2022  
2 City Comments 11-17-2022  
3 City Comments 06-23-2023

SITE PLAN UPDATE



SCALE: 1" = 30'

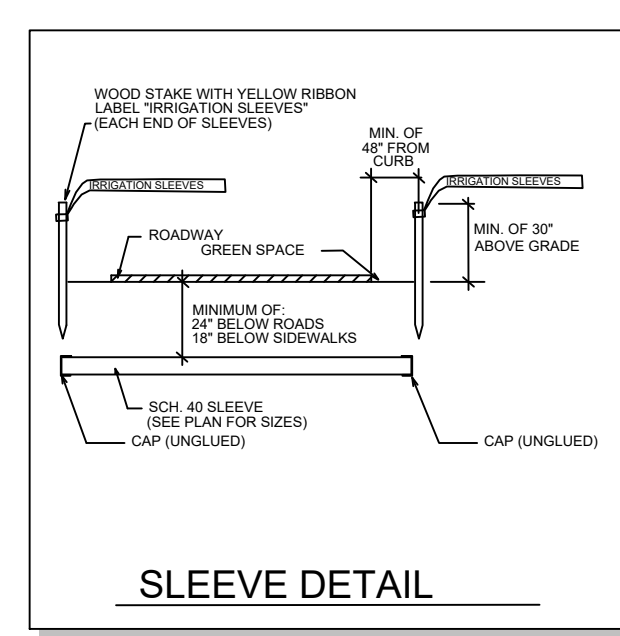
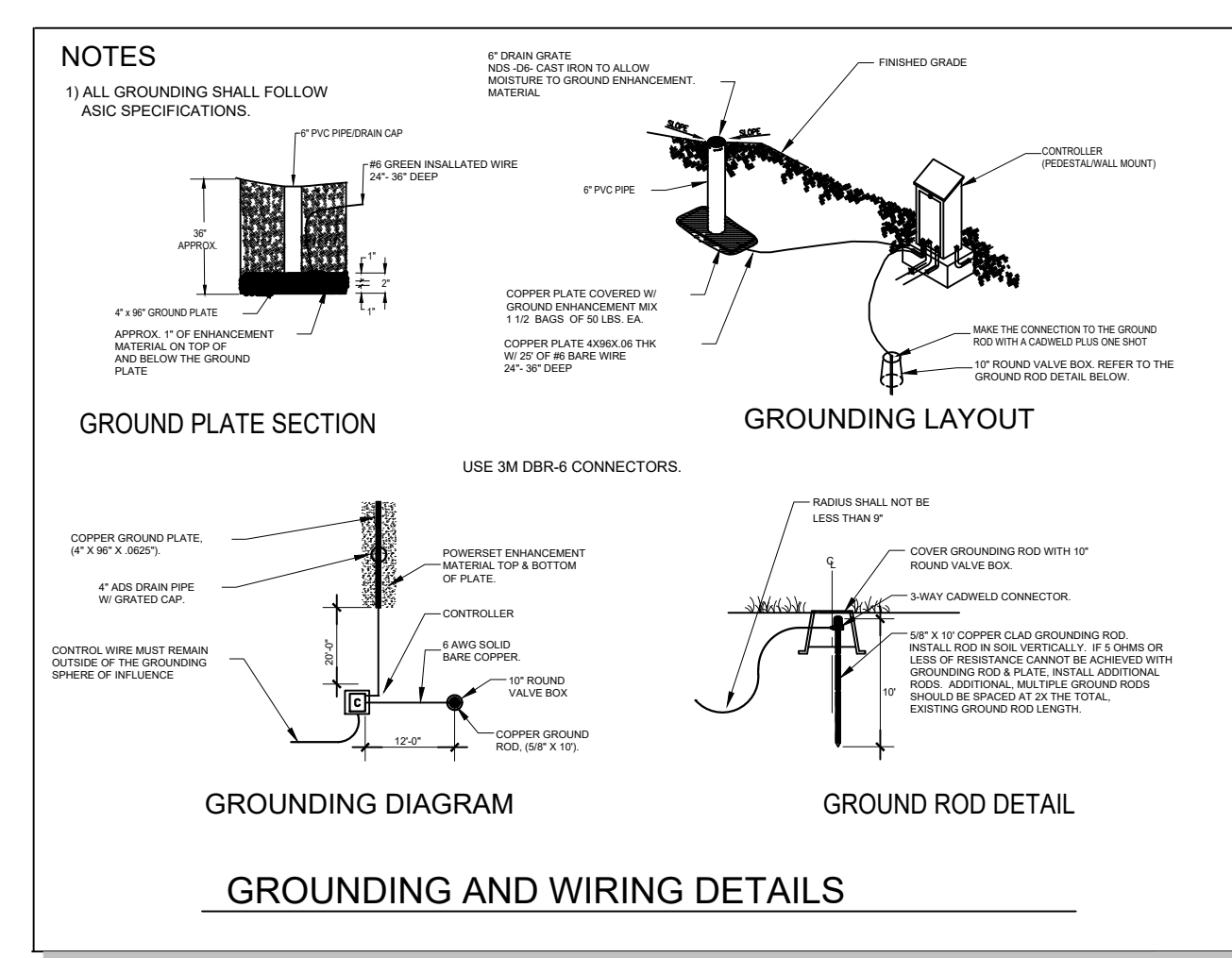
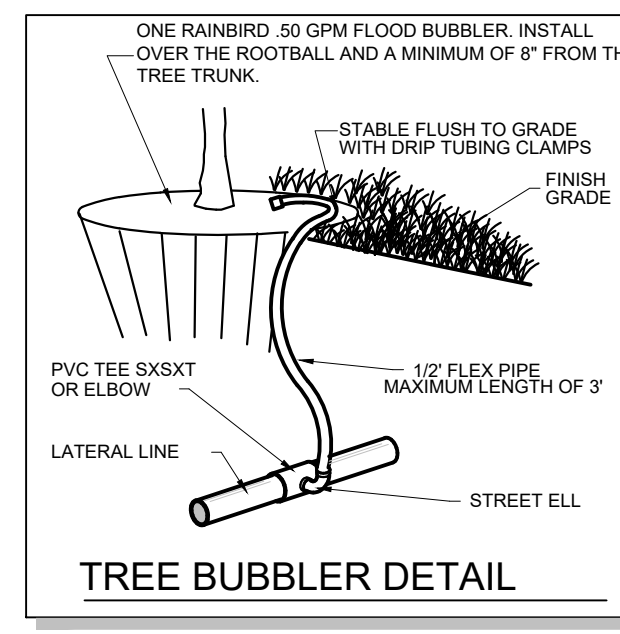
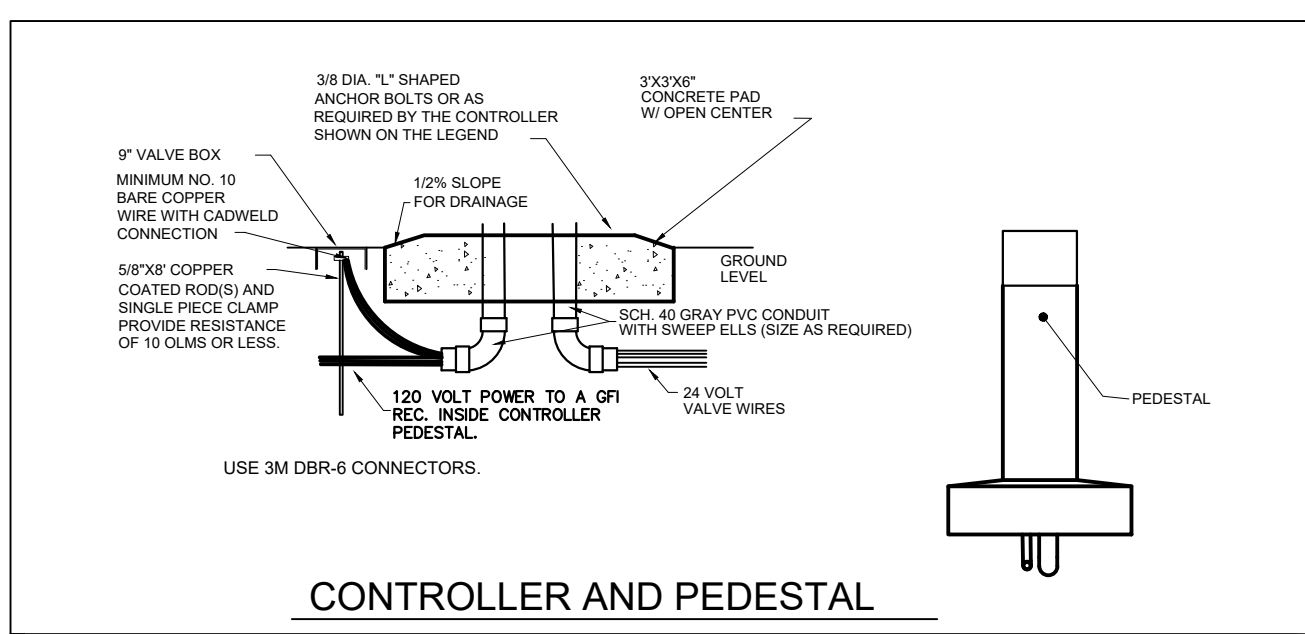
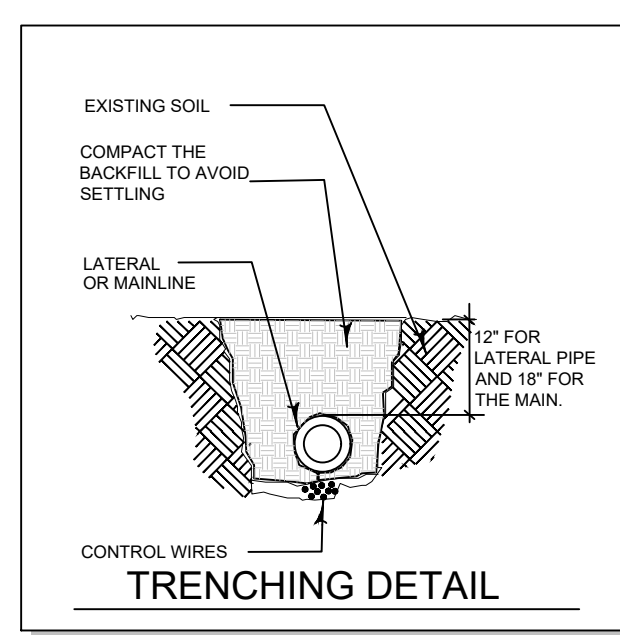
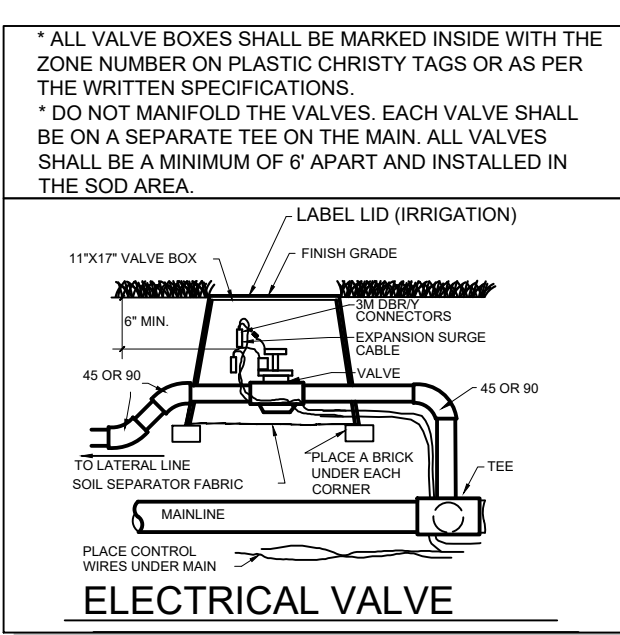
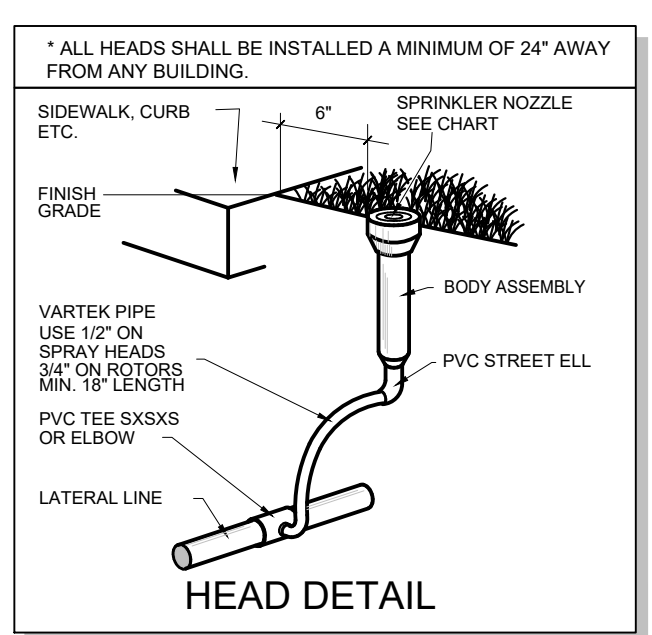


L509

© 2022, BONNETT DESIGN GROUP, LLC. ALL RIGHTS RESERVED. DESIGNER HEREBY EXPRESSLY RESERVES HIS COPYRIGHT AND OTHER PROPERTY RIGHTS IN THESE PLANS. THESE PLANS AND DRAWINGS ARE NOT TO BE REPRODUCED, CHANGED OR COPIED IN ANY FORM OR MANNER WHATSOEVER WITHOUT FIRST OBTAINING THE EXPRESS WRITTEN PERMISSION AND CONSENT OF BONNETT DESIGN GROUP, LLC NOR ARE THEY TO BE ASSIGNED TO ANY PARTY WITHOUT FIRST OBTAINING SAID WRITTEN PERMISSION AND CONSENT.

Todd W. Bonnett, RLA, P.L. 00007736





GENERAL NOTES

- REFER TO THE LANDSCAPE PLANS WHEN TRENCHING TO AVOID TREES AND SHRUBS. HAND DIG AROUND ANY EXISTING TREES. DO NOT CUT ANY ROOTS OVER 2" IN DIAMETER.
- ALL MAINLINE PIPING SHALL BE BURIED TO A MINIMUM DEPTH OF 18" OF COVER. ALL LATERAL PIPING SHALL BE BURIED TO A MINIMUM DEPTH OF 12" OF COVER.
- ALL POP-UP ROTORS AND SPRAYS SHALL BE INSTALLED USING AN 18" PVC FLEX PIPE CONNECTION. DO NOT USE POLYETHYLENE PIPE. USE WELDON 737 WITH A PURPLE PRIMER OR RED HOT CHRISTY'S BLUE GLUE ON ALL CONNECTIONS.
- ADJUST ALL NOZZLES TO REDUCE WATER WASTE ON HARD SURFACES, WINDOWS AND BLDG. WALLS. THROTTLE ALL VALVES ON SHRUB LINES AS REQUIRED TO PREVENT FOGGING. USE ADJUSTABLE NOZZLES WHERE REQUIRED TO AVOID ANY WATER ON BUILDING WINDOWS.
- ALL CONTROL WIRE CONNECTIONS SHALL BE MADE IN VALVE BOXES USING 3M DBR-V WIRE CONNECTORS AND SEALANT WITH WIRE NUTS.
- THE CONTRACTOR SHALL PREPARE AN AS-BUILT DRAWING SHOWING ALL IRRIGATION INSTALLATION. THE CONTRACTOR SHALL NEATLY MARK IN RED INK ON A WHITE BOND PAPER COPY OF THE IRRIGATION PLAN ANY INSTALLATION THAT DEVIATES FROM THE PLAN. THE AS-BUILT DRAWING SHALL ALSO LOCATE ALL MARKING AND VALVES BY SHOWING EXACT MEASUREMENTS FROM HARD SURFACES. MEASUREMENTS SHALL BE MARKED ON THE PLAN EVEN WHEN THE EQUIPMENT IS INSTALLED IN THE EXACT LOCATION AS THE PLAN. PROVIDE THE OWNER A PDF OF THE AS-BUILT PLAN.
- ALL VALVES, GATE VALVES AND QUICK COUPLERS SHALL BE INSTALLED IN VALVE BOXES. THE VALVE BOXES SHALL BE PURPLE WHEN USING RECLAIMED WATER.
- ANY PIPING SHOWN OUTSIDE THE PROPERTY LINE OR RUNNING OUTSIDE A LANDSCAPE AREA IS SHOWN THERE FOR CLARITY ONLY. ALL LINES SHALL BE INSTALLED ON THE PROPERTY AND INSIDE THE LANDSCAPE AREAS OR INSIDE A SCH. 40 SLEEVE.
- ALL HEADS SHALL BE INSTALLED A MINIMUM OF 24" FROM ANY WALL AND A MINIMUM OF 6" FROM ANY SIDEWALK, PATIO OR ROAD. (MINIMUM OF 2" WHERE THERE ARE NO BUMPS STOPS) THE EXACT HEIGHT OF ANY 12" POP-UP THAT IS SHOWN IN A SHRUB BED SHALL BE DETERMINED BY THE OWNER'S REPRESENTATIVE IN THE FIELD. INSTALL THE 12" POP-UP HIGHER WHERE BLOCKED BY TALL SHRUBS.
- THE CONTRACTOR SHALL EXERCISE CARE SO AS NOT TO DAMAGE ANY EXISTING UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE IMMEDIATE REPAIRS AND COST OF ANY DAMAGE CAUSED BY THEIR WORK.
- ALL WORK SHALL BE GUARANTEED FOR ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE AGAINST ALL DEFECTS IN EQUIPMENT AND WORKMANSHIP OR AS OUTLINED IN THE WRITTEN SPECIFICATIONS.
- ELECTRICAL SERVICE TO LOCATION OF THE CONTROLLER, WELL OR PUMP SHALL BE PROVIDED TO A JUNCTION BOX OR DISCONNECT AT THE EQUIPMENT LOCATION BY THE ELECTRICAL CONTRACTOR OR BY OWNER WHEN IT IS NOT PART OF THE BID PACKAGE. CONFIRM THE LOCATION OF THE CONTROLLER WITH THE OWNER OR GENERAL CONTRACTOR BEFORE ANY INSTALLATION.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO SCALE THE PLAN AND CHECK NOZZLE TYPES TO DETERMINE THE CORRECT SPACING OF THE HEADS. THE CONTRACTOR SHALL NOT SPACE THE HEADS FURTHER APART OR USE LESS HEADS THAN SHOWN ON THE PLAN. ANY CHANGES TO THE HEAD SPACING OR LAYOUT, WITHOUT THE CONSENT OF THE LANDSCAPE ARCHITECT OR OWNER, SHALL HOLD THE IRRIGATION CONTRACTOR RESPONSIBLE FOR WARRANTY OF THE PLANTS AND OR SOD IN THESE AREAS.
- 48 HOURS BEFORE DIGGING, CALL 1-800-432-4770 (SUNSHINE STATE ONE CALL CENTER).
- INSTALL THREE EXTRA CONTROL WIRES TO EACH TERMINATION OF THE MAIN. ALL CONTROL WIRES SHALL BE INSTALLED INSIDE OF SCH. 40 GRAY PVC CONDUIT WHERE THEY CANNOT BE UNDER THE MAIN.

RECLAIMED WATER REQUIREMENTS

- ALL PIPE SHALL BE THE PURPLE RECLAIMED WATER TYPE.
- ALL SPRINKLER HEADS SHALL HAVE PURPLE INDICATORS.
- ALL MANUAL AND ELECTRIC VALVES SHALL HAVE TAGS TO INDICATE RECLAIMED WATER.
- ALL VALVE BOXES SHALL BE PURPLE WITH PURPLE LIDS TO INDICATE THE PRESENCE OF RECLAIMED WATER.
- ALL EQUIPMENT SHALL BE INSTALLED AS PER ALL LOCAL, COUNTY, STATE, AND FEDERAL CODES. PROVIDE AND INSTALL ALL REQUIRED RECLAIMED WATER SIGNS. COORDINATE PLACEMENT AND TYPE WITH THE RECLAIMED WATER PROVIDER.
- ALL CROSSINGS OF IRRIGATION PIPING AND POTABLE WATER LINES SHALL HAVE THE VERTICAL CLEARANCE VISUALLY VERIFIED AND THIS VERIFICATION MUST BE SHOWN ON THE AS-BUILT DRAWINGS BY DOCUMENTING THE VERTICAL MEASUREMENT SEPARATING THE PIPES.
- THE VERTICAL SEPARATION BETWEEN THE POTABLE AND RECLAIMED WATER LINES SHALL BE A MINIMUM OF 18". THIS SEPARATION SHALL BE VERIFIED AND DOCUMENTED IN A SET OF AS-BUILT DRAWINGS AS PER SPECIFICATIONS. THE HORIZONTAL SEPARATION SHALL BE 8" CENTER TO CENTER AND 3' OUTSIDE TO OUTSIDE IF VERTICAL MINIMUM OF 18" IS NOT MET. REFER TO THE SPECIFIC CODE IF THESE SEPARATIONS CAN NOT BE MET.

NOZZLE CHART

LETTER	PRODUCT	G.P.M. @ 40 PSI	RADIUS	RADIUS/ANGLE	ZONE LABELS
A	RAINBIRD R-VAN 18	1.80	13'-18"	FULL	360 °
B	RAINBIRD R-VAN 18	.60	13'-18"	ONE THIRD	120 °
D	RAINBIRD R-VAN 18	.98	13'-18"	HALF	180 °
F	RAINBIRD R-VAN 18	.50	13'-18"	QUARTER	90 °
G	RAINBIRD 1800-1SEST	.23	4' X 15'	END STRIP	
H	RAINBIRD XPCN	.23	4.5'	HALF PATTERN	
K	RAINBIRD R-VAN 14	1.22	8'-14"	FULL	360 °
M	RAINBIRD 1800-1SSST	.46	4' X 30'	SIDE STRIP	
R	RAINBIRD R-VAN 14	.31	8'-14"	QUARTER	90 °
T	RAINBIRD R-VAN 14	.61	8'-14"	HALF	180 °
V	RAINBIRD R-VAN 24	.77	17'-24"	QUARTER	90 °
W	RAINBIRD R-VAN 24	1.54	17'-24"	HALF	180 °
X	RAINBIRD R-VAN 24	2.31	17'-24"	THREE QUAR.	270 °
Y	RAINBIRD R-VAN 24	3.13	17'-24"	FULL	360 °
Z	RAINBIRD R-VAN 18	1.42	13'-18"	THREE QTR.	270 °

THE NOZZLES LISTED SHOW THE TYPE OF RAINBIRD ROTARY NOZZLE THAT SHOULD BE USED. THE CONTRACTOR SHOULD INSTALL THE NOZZLES IN EACH HEAD AS SHOWN BY THE LETTER BESIDE THE HEAD ON THE PLAN. THE GPM, DISTANCE AND ANGLE ON THE NOZZLE CHART ARE APPROXIMATE. THE CONTRACTOR SHALL ADJUST ALL NOZZLES TO PROVIDE THE 100% COVERAGE, BUT LIMIT OVERTHROW ON TO BUILDINGS, WALLS, PAVEMENT, ETC. THE HEADS SHALL BE SPACED AS PER THE PLAN. SCALE THE PLAN FOR DISTANCE. DO NOT ASSUME THAT ALL HEADS ARE SPACED AS PER CONVENTIONAL SPRAY HEADS. THE PRECIPITATION RATE FOR THESE NOZZLES IS LESS THAN A CONVENTIONAL SPRAY NOZZLE. FOLLOW THE ZONE CHART FOR AN APPROXIMATE RUN TIME FOR EACH ZONE, BUT SET THE RUN TIME ON THE CONTROLLER BASED ON THE SPECIFIC SITE CONDITIONS.

LEGEND

SYMBOL	QUANTITY	SPECIFICATION
●	2306	RAINBIRD 1800-PRS-P45 SPRAY SERIES 6" POP-UP
■	308	RAINBIRD 1800-PRS-P45 SPRAY SERIES 12" POP-UP
▲	275	RAINBIRD .5 GPM FLOOD BUBBLER
⊙	52	RAINBIRD 5000 SERIES ROTOR HEAD - FULL CIRCLE 6 GPM
⊙	52	RAINBIRD 5000 SERIES ROTOR HEAD - PART CIRCLE 3 GPM
---	2 1/2"	CLASS 200 PURPLE PVC MAINLINE-2 1/2"
---	6016'	CLASS 200 PURPLE PVC MAINLINE-1 1/2"
---	1 1/2"	CLASS 200 PURPLE PVC MAINLINE-1 1/2"
---	REFER TO PLAN	CLASS 200 PVC PURPLE LATERAL LINE- SIZE AS SHOWN UNTIL A SMALLER SIZE IS SHOWN. MINIMUM SIZE OF 3/4" (EXCEPT RISERS AND FLEX PIPE)
---	REFER TO PLAN	SCH. 40 SLEEVE (MINIMUM OF 24" DEPTH AND 2 SIZES LARGER THAN THE PIPE SIZE OR AS LABELED ON THE PLAN)
⊕	72	RAINBIRD PESR-PRS-D2 ELECTRIC VALVE. INSTALL THE VALVE IN A PURPLE ARMOR 11" X 17" VALVE BOX AND COVER.
⊙	4	CONTROLLER-RAINBIRD ESP-LXD-PED PEDESTAL MOUNT WHERE SHOWN ON THE PLAN. INSTALL WITH A RAINBIRD RAIN SENSOR. GROUND AS PER ASIC SPECIFICATIONS AND DETAILS. SLEEVE TO AS REQUIRED.
⊙	4	POINT OF CONNECTION TO A RECLIMED WATER METER. REFER TO THE UTILITY PLAN FOR THE EXACT LOCATION AND DETAILS.
⊙	1	POINT OF CONNECTION TO A 2" METER. REFER TO THE UTILITY PLAN FOR THE EXACT LOCATION AND DETAILS.

PLANT SHRUB HEAD NOTE

SPRAY HEADS WERE USED IN THE PLANT BEDS INSTEAD OF MICRO-IRRIGATION. THESE ZONES SHALL BE TURNED OFF AFTER THE PLANTS ARE ESTABLISHED.

© 2022, BONNETT DESIGN GROUP, LLC. ALL RIGHTS RESERVED. DESIGNER HEREBY EXPRESSLY RESERVES HIS COPYRIGHT AND OTHER PROPERTY RIGHTS IN THESE PLANS. THESE PLANS AND DRAWINGS ARE NOT TO BE REPRODUCED, CHANGED OR COPIED IN ANY FORM OR MANNER WHATSOEVER WITHOUT FIRST OBTAINING THE EXPRESS WRITTEN PERMISSION AND CONSENT OF BONNETT DESIGN GROUP, LLC. NO PART OF THESE PLANS OR DRAWINGS ARE TO BE ASSIGNED TO ANY PARTY WITHOUT FIRST OBTAINING SAID WRITTEN PERMISSION AND CONSENT.