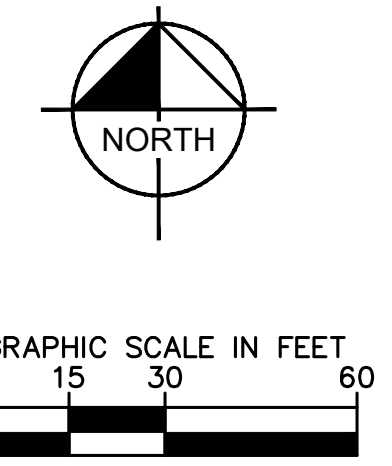
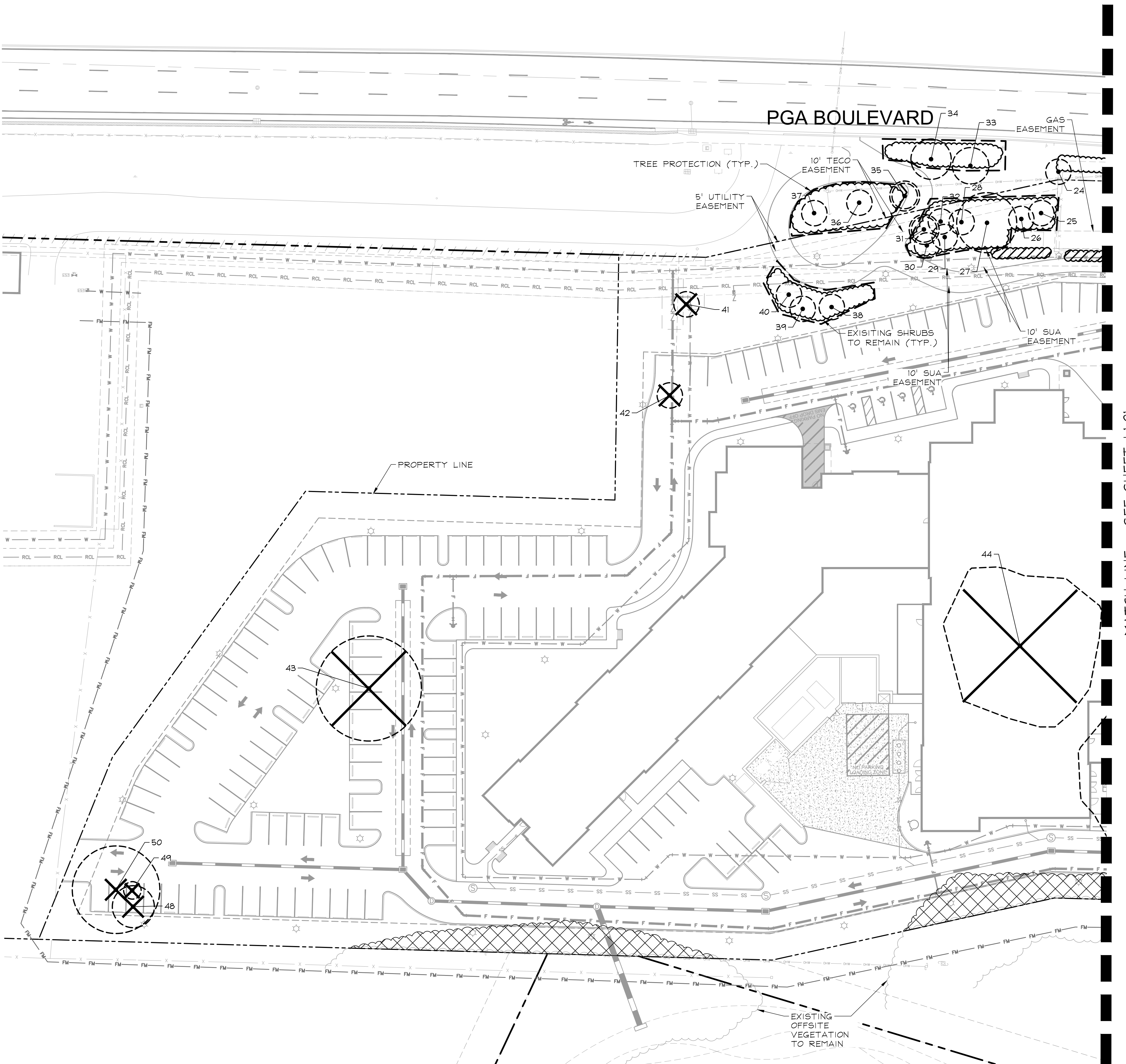
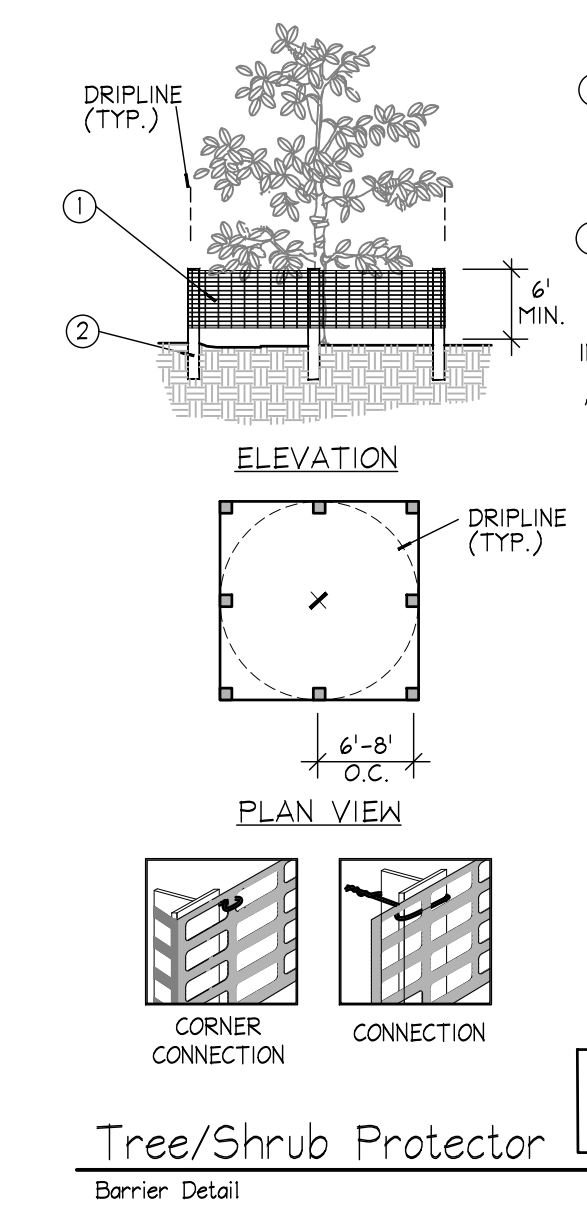


Priced By: Bogenclaf, Alex. Sheet: Sat: ENCOMPASS HEALTH. Layout: L1.00. TREE DISPOSITION PLAN. February 17, 2022. 11:34:54am. K:\WPB_DeuServices\048028008 - Enccompass Health\CAD\PlanSheets\L1.00_TREE_DISPOSITION_PLAN.dwg
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KEY:

	TREE TO REMAIN
	TREE TO BE REMOVED
	TREE TO BE RELOCATED
	TREE TO BE PROTECTED PER DETAIL ON SHEET L1.00
	SHRUBS TO REMAIN
	SHRUBS TO BE REMOVED
	EXOTIC VEGETATION TO BE REMOVED



- 6" H "PERIMETER PLUS" CONSTRUCTION FENCE BY CONNED PLASTICS OR OWNER'S REPRESENTATIVE APPROVED EQUAL. SUBMIT PRODUCT INFORMATION FOR APPROVAL PRIOR TO INSTALLATION.
 - 8' TALL METAL "T" POSTS OR 2" X 2" X 8' PRESSURE TREATED WOOD POSTS WITH 24" BURIAL BELOW GRADE.
- INSTALLATION NOTES:**
- POST SELECTION SHOULD BE BASED ON EXPECTED STRENGTH NEEDS AND THE LENGTH OF TIME FENCE WILL BE IN PLACE. FLEXIBLE FIBERGLASS ROD POSTS ARE RECOMMENDED FOR PARKS, ATHLETIC EVENTS AND CROWD CONTROL INSTALLATIONS. METAL "T" POSTS OR TREATED WOOD POSTS ARE TYPICALLY USED FOR CONSTRUCTION AND OTHER APPLICATIONS.
 - POSTS SHOULD BE DRIVEN INTO THE GROUND TO A DEPTH OF 1/4 OF THE HEIGHT OF THE POST. FOR EXAMPLE, A 8' POST SHOULD BE SET AT LEAST 2' INTO THE GROUND.
 - SPACE POSTS EVERY 6' (MIN.) TO 8' (MAX.).
 - SECURE FENCING TO POST WITH NYLON CABLE TIES (AVAILABLE FROM CONNED PLASTICS). WOOD STRIPS MAY BE ALSO BE USED TO PROVIDE ADDITIONAL SUPPORT AND PROTECTION BETWEEN TIES AND POSTS.
- NOTE:** IF WIRE TIES ARE USED, AVOID DIRECT CONTACT WITH FENCE. WIRE MAY DAMAGE FENCE OVER TIME.

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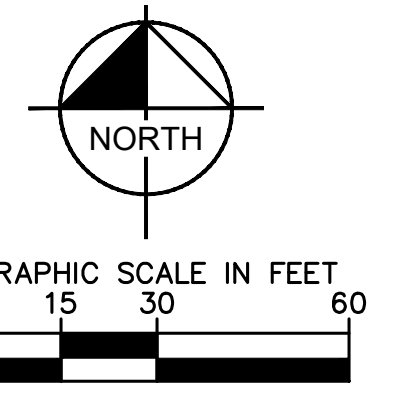
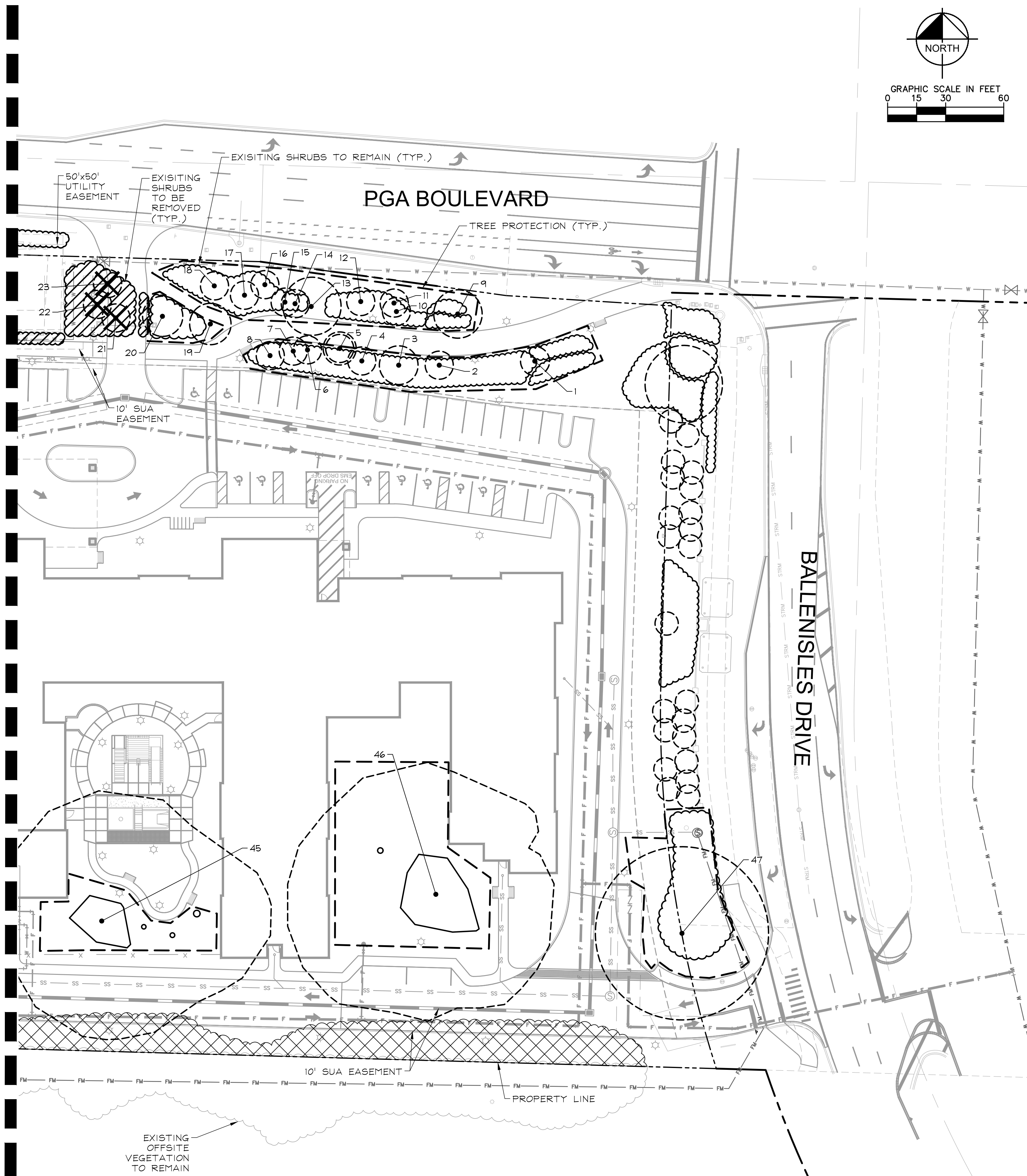
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DATE FEB 2022	SCALE AS SHOWN	DESIGNED BY AVB	DRAWN BY AVB		
CHECKED BY TCR		DATE: 2/16/2022		REVISIONS	DATE
ENCOMPASS HEALTH PREPARED FOR ENCOMPASS HEALTH CORPORATION		PALM BEACH GARDENS FL		SHEET NUMBER L1.00	

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MATCH LINE - SEE SHEET L1.00



KEY:

	TREE TO REMAIN
	TREE TO BE REMOVED
	TREE TO BE RELOCATED
	TREE TO BE PROTECTED PER DETAIL ON SHEET L1.00
	SHRUBS TO REMAIN
	SHRUBS TO BE REMOVED
	EXOTIC VEGETATION TO BE REMOVED

TREE DISPOSITION	COMMON NAME	BOTANICAL NAME	DBH	DISPOSITION
1.	Slash Pine	Pinus elliottii var. densa	9"	Remain
2.	Slash Pine	Pinus elliottii var. densa	14"	Remain
3.	Slash Pine	Pinus elliottii var. densa	15"	Remain
4.	Sabal Palm	Sabal palmetto	17"	Remain
5.	Sabal Palm	Sabal palmetto	13"	Relocate
6.	Sabal Palm	Sabal palmetto	15"	Remain
7.	Sabal Palm	Sabal palmetto	13"	Remain
8.	Sabal Palm	Sabal palmetto	9"	Remain
9.	Dahoon Holly	Ilex cassine	10"	Remain
10.	Sabal Palm	Sabal palmetto	14"	Remain
11.	Royal Palm	Roystonea regia	17"	Remain
12.	Sabal Palm	Sabal palmetto	15"	Remain
13.	Black Olive	Bucida buceras	13"	Remain
14.	Sabal Palm	Sabal palmetto	14"	Remain
15.	Sabal Palm	Sabal palmetto	10"	Remain
16.	Sabal Palm	Sabal palmetto	9"	Remain
17.	Sabal Palm	Sabal palmetto	9"	Remain
18.	Sabal Palm	Sabal palmetto	10"	Remain
19.	Slash Pine	Pinus elliottii var. densa	14"	Remain
20.	Black Olive	Bucida buceras	21"	Remain
21.	Slash Pine	Pinus elliottii var. densa	12"	Remove
22.	Slash Pine	Pinus elliottii var. densa	9"	Remove
23.	Slash Pine	Pinus elliottii var. densa	10"	Remove
24.	Sabal Palm	Sabal palmetto	17"	Remain
25.	Slash Pine	Pinus elliottii var. densa	11"	Remain
26.	Slash Pine	Pinus elliottii var. densa	13"	Remain
27.	Live Oak	Quercus virginiana	20"	Remain
28.	Slash Pine	Pinus elliottii var. densa	12"	Remain
29.	Slash Pine	Pinus elliottii var. densa	12"	Remain
30.	Sabal Palm	Sabal palmetto	10"	Remain
31.	Sabal Palm	Sabal palmetto	10"	Relocate
32.	Sabal Palm	Sabal palmetto	10"	Remain
33.	Dahoon Holly	Ilex cassine	4"	Remain
34.	Black Olive	Bucida buceras	36"	Remain
35.	Slash Pine	Pinus elliottii var. densa	9"	Relocate
36.	Slash Pine	Pinus elliottii var. densa	7"	Remain
37.	Slash Pine	Pinus elliottii var. densa	8"	Remain
38.	Slash Pine	Pinus elliottii var. densa	18"	Remain
39.	Live Oak	Quercus virginiana	17"	Remain
40.	Live Oak	Quercus virginiana	24"	Remain
41.	Sabal Palm	Sabal palmetto	16"	Remove
42.	Sabal Palm	Sabal palmetto	23"	Remain
43.	Black Olive	Bucida buceras	44"	Remove
44.	Strangler Fig	Ficus aurea	400"	Remove
45.	Strangler Fig	Ficus aurea	398"	Remain
46.	Strangler Fig	Ficus aurea	564"	Remain
47.	Strangler Fig	Ficus aurea	160"	Remain
48.	Strangler Fig	Ficus aurea	38"	Remove
49.	Sabal Palm	Sabal palmetto	12"	Remove
50.	Strangler Fig	Ficus aurea	124"	Remove

- ROOT PRUNING**
- THE LANDSCAPE ARCHITECT HAS OBSERVED TREES THAT COULD BE IMPACTED BY CONSTRUCTION OF THE PROPOSED IMPROVEMENTS.
 - IF CONSTRUCTION ACTIVITIES OCCUR WITHIN THE DRIPLINE (OR THE HORIZONTAL EXTENT OF THE CANOPY) OF A TREE, THEN THAT TREE IS A CANDIDATE FOR ROOT PRUNING.
 - ROOT PRUNING MUST OCCUR PRIOR TO TRENCHING OPERATIONS TO INSURE THAT THE ROOTS ARE CUT CLEAN AND AT PROPER ANGLES AND NOT MECHANICALLY RIPPED FROM THE EARTH DURING CONSTRUCTION.
 - FOR TREES REQUIRING ROOT PRUNING, A TREE ASSESSMENT SHALL BE CONDUCTED AND A ROOT-PRUNING PLAN SHALL BE DEVELOPED BY A CERTIFIED ARBORIST OR CONSULTING ARBORIST. THIS PLAN SHOULD IDENTIFY:
 - MAXIMUM ALLOWABLE SIZE OF ROOTS TO BE CUT
 - ALLOWABLE PROXIMITY TO THE TRUNK FOR CUTS
 - TIME OF YEAR WHEN ROOT CUTTING IS ALLOWABLE (NOTE: IN FLORIDA, IT IS BEST TO AVOID ROOT PRUNING DURING TIMES OF THE MAY THROUGH SEPTEMBER, WHEN THE POTENTIAL FOR DAMAGING WIND LOADS ON TREES ARE GREATEST.)
 - METHOD FOR MAKING CUTS
 - MITIGATING CANOPY PRUNING
 - TYPE AND EXTENT OF NECESSARY STRUCTURAL SUPPORT
 - SCHEDULE FOR WATERING/FERTILIZATION AFTER PRUNING
 - IMPLEMENT THE ROOT PRUNING PLAN PER THE ARBORIST'S RECOMMENDATION.

- EXISTING TREE - PRUNING NOTES:**
- TREE PRUNING WORK MUST BE PERFORMED BY OR DIRECTLY SUPERVISED BY AN ISA CERTIFIED ARBORIST.
 - CONTRACTOR SHALL HOLD A PRE-PRUNING CONFERENCE WITH THE OWNER AND LANDSCAPE ARCHITECT PRIOR TO COMMENCING PRUNING OPERATIONS.
 - PRUNE TREES PER ANSI A300 FOR THE FOLLOWING:
 - 3.1. MAINTENANCE - TO MAINTAIN OR IMPROVE THE TREE'S HEALTH AND STRUCTURE
 - 3.2. HAZARD REDUCTION - TO REMOVE DEAD LIMBS OR OTHER VISIBLE HAZARDS FROM THE TREE CANOPY
 - 3.3. CROWN CLEANING - TO SELECTIVELY REMOVE DEAD, DYING OR DISEASED BRANCHES, WEAK BRANCHES, AND SUCKER SPROUTS.
 - 3.4. CROWN RAISING - TO REMOVE LOWER BRANCHES TO PROVIDE VERTICAL CLEARANCE
 - 3.5. VISTA PRUNING - TO SELECTIVELY THIN FRAMEWORK LIMBS WITHIN THE CROWN TO ALLOW FOR VIEWS THROUGH THE TREE
 - 3.6. CROWN RESTORATION - TO IMPROVE THE STRUCTURE, FORM, AND APPEARANCE OF A TREE THAT HAS BEEN DAMAGED, HEADED, OR VANDALIZED

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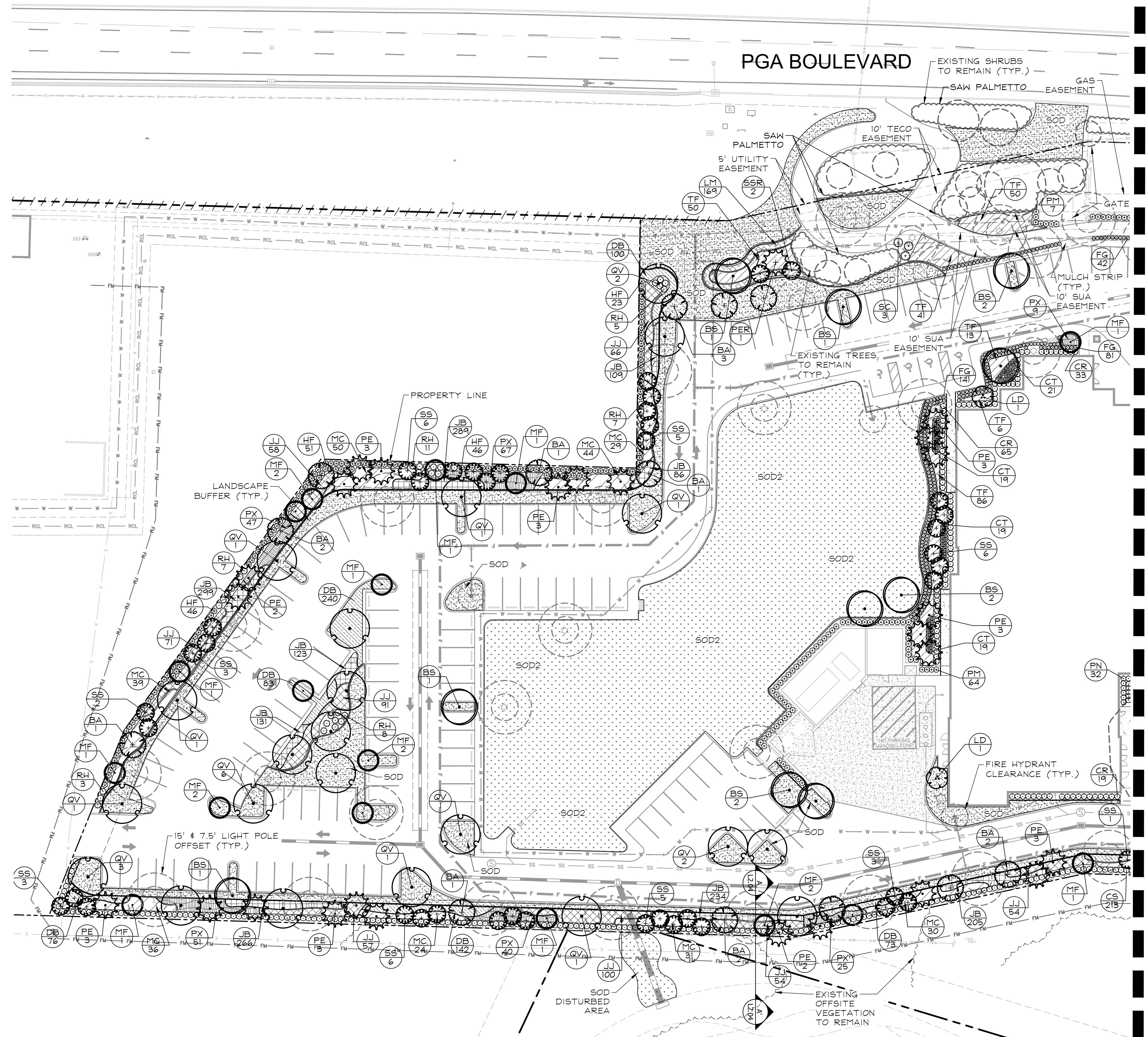
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	<p>DATE: 2/16/2022</p>	<p>SHEET NUMBER L1.01</p>	<p>DATE</p> <p>BY</p>		

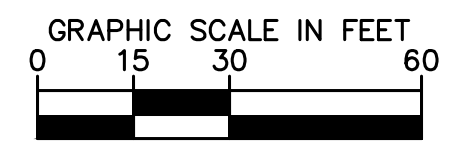
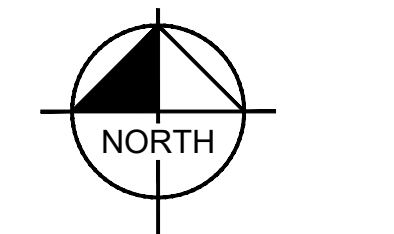
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PLANT SCHEDULE

TREES	COMMON NAME
BA	Verawood
BS	Gumbo Limbo
LD	Natchez Crape Myrtle
MF	Simpson's Stopper
MG	Southern Magnolia
PE	Slash Pine
PER	Slash Pine
QV	Southern Live Oak
PALM TREES	COMMON NAME
PR	Pygmy Date Palm
SS	Sabal Palm
SSR	Sabal Palm
VA	Montgomery Palm
SHRUBS	COMMON NAME
AG	Dwarf Shell Ginger
CR	Red Tip Cocoplum
CS	Small Leaf Clusia
CT	Red Sister Ti Plant
FG	Green Island Ficus
HF	Firebush
PM	Podocarpus
PN	Wild Coffee
RE	Lady Palm
RH	Needle Palm
SC	Silver Saw Palmetto
ZF	Caraboard Palm
SHRUB AREAS	COMMON NAME
JJ	Wax Jasmine
GROUND COVERS	COMMON NAME
MC	Pink Muhly Grass
PX	Xanadu Philodendron
TF	Dwarf Fakahatchee Grass
DB	Blueberry Flax Lily
JB	Blue Pacific Shore Juniper
LM	Liriope
SOD	Floratum St. Augustine Grass
SOD2	Argentine Bahia Grass
TA	Asiatic Jasmine

*SEE SHEET L2.01 FOR FULL PLANT SCHEDULE



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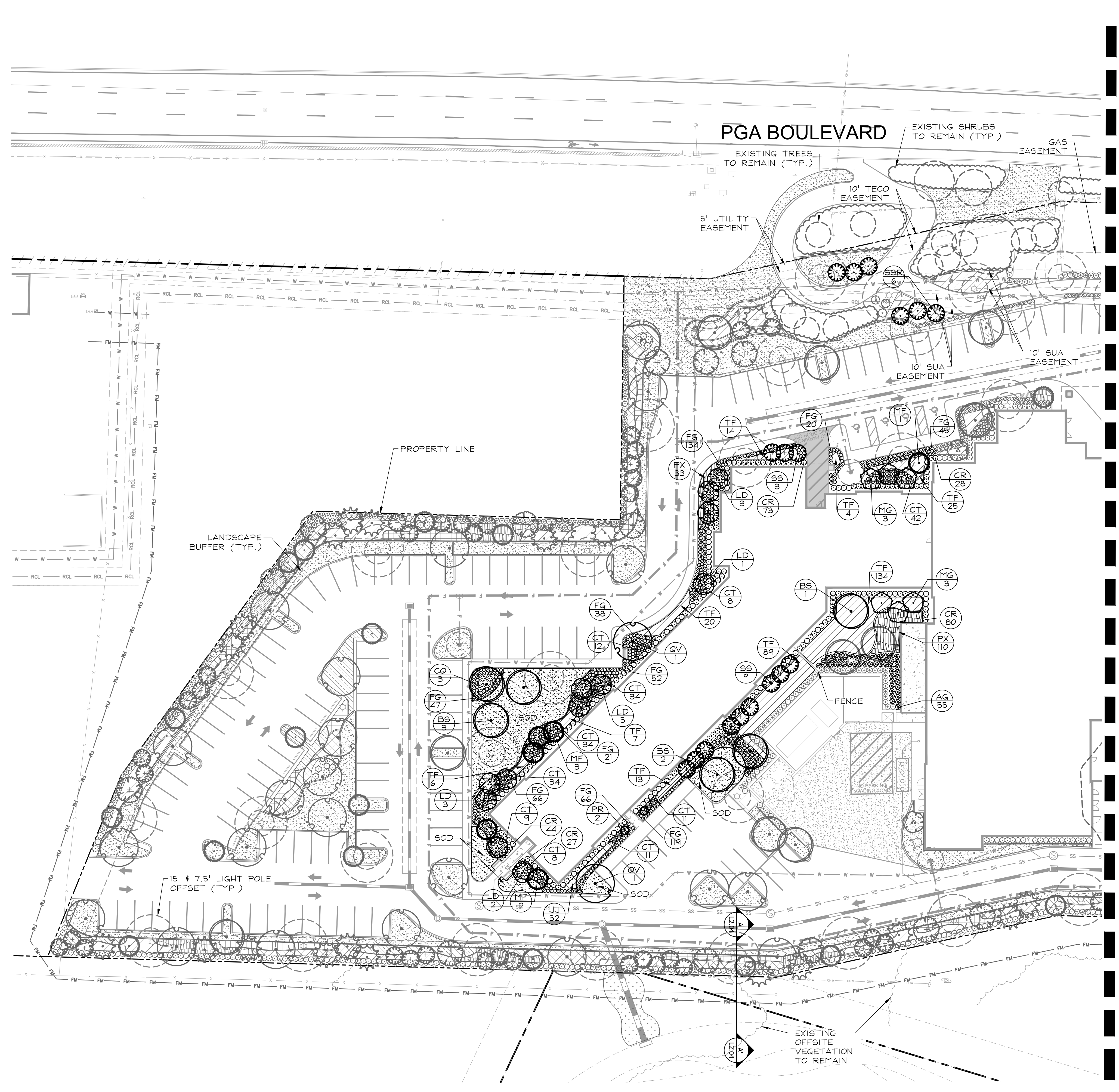
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	KHA PROJECT: 048028008 DATE: FEB 2022 SCALE: AS SHOWN DESIGNED BY: AVB DRAWN BY: AVB CHECKED BY: TOR DATE: 2/16/2022
LANDSCAPE PLAN - PHASE 1	
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SHEET NUMBER L2.00	
REVISIONS No. _____ DATE _____ BY _____	

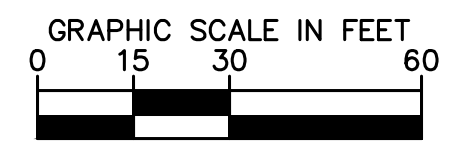
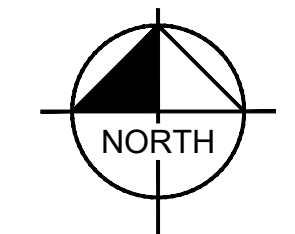
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PLANT SCHEDULE

TREES	COMMON NAME
BS	Gumbo Limbo
LD	Natchez Grape Myrtle
MF	Simpson's Stopper
MG	Southern Magnolia
PER	Slash Pine
QV	Southern Live Oak
PALM TREES	COMMON NAME
PR	Fygy Date Palm
SS	Sabal Palm
SSR	Sabal Palm
SHRUBS	COMMON NAME
AG	Dwarf Shell Ginger
CQ	Queen Emma Crinum Lily
CR	Red Tip Cocoplum
CT	Red Sister Ti Plant
FG	Green Island Ficus
PN	Wild Coffee
SHRUB AREAS	COMMON NAME
JJ	Wax Jasmine
PX	Xanadu Philodendron
TF	Dwarf Fakahatchee Grass
GROUND COVERS	COMMON NAME
*SEE SHEET L2.04 FOR FULL PLANT SCHEDULE.	

MATCH LINE - SEE SHEET L2.03



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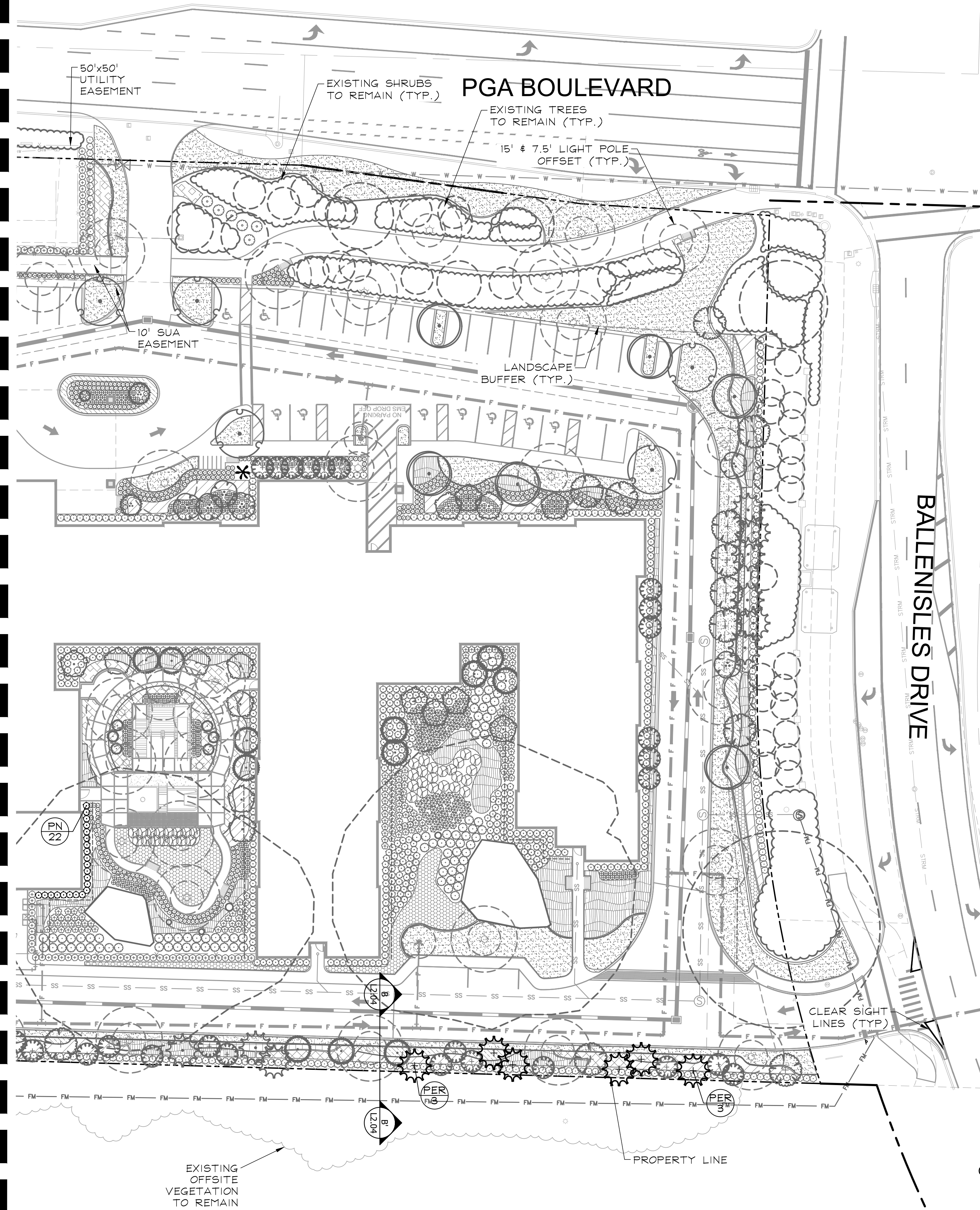
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KHA PROJECT: 048028008 DATE: FEB 2022 SCALE: AS SHOWN DESIGNED BY: AVB DRAWN BY: AVB CHECKED BY: TOR DATE: 2/16/2022	LICENSED PROFESSIONAL TRICIA C. RICHTER, PLA FL LICENSE NUMBER: LA#6667244	© 2022 KIMLEY-HORN AND ASSOCIATES, INC. 1920 MEVIA WAY, SUITE 200, WEST PALM BEACH, FLORIDA 33411 PHONE: 561-845-0865 FAX: 561-863-8175 WWW.KIMLEY-HORN.COM CA: 00060696
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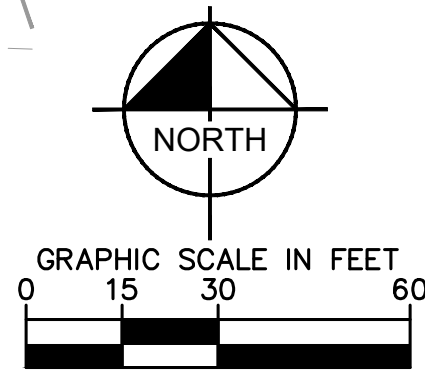
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MATCH LINE - SEE SHEET L2.02



PLANT SCHEDULE

TREES	COMMON NAME
BS	Gumbo Limbo
LD	Natchez Grape Myrtle
MF	Simpson's Stopper
MG	Southern Magnolia
PER	Slash Pine
QV	Southern Live Oak
PALM TREES	COMMON NAME
PR	Pygmy Date Palm
SS	Sabal Palm
SSR	Sabal Palm
SHRUBS	COMMON NAME
AG	Dwarf Shell Ginger
CQ	Queen Emma Crinum Lily
CR	Red Tip Cocoplum
CT	Red Sister Ti Plant
FG	Green Island Ficus
PN	Wild Coffee
SHRUB AREAS	COMMON NAME
JJ	Wax Jasmine
PX	Xanadu Philodendron
TF	Dwarf Fakahatchee Grass
GROUND COVERS	COMMON NAME
*SEE SHEET L2.04 FOR FULL PLANT SCHEDULE.	



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<small>KHA PROJECT</small> 048028008	<small>DATE</small> FEB 2022	<small>LICENSED PROFESSIONAL</small> TRICIA C. RICHTER, PLA
<small>SCALE AS SHOWN</small>	<small>DESIGNED BY</small> AVB	<small>FL LICENSE NUMBER</small> LA#6667244
<small>DRAWN BY</small> AVB	<small>CHECKED BY</small> TOR	<small>DATE</small> 2/16/2022
<small>SHEET NUMBER</small> L2.03	<small>REVISIONS</small> No.	<small>DATE</small> BY

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CODE REQUIREMENTS		
TOTAL SITE: 318,460 SF (7.31 ACRES) OPEN SPACE: 113,410 SF (2.48 ACRES) IMPERVIOUS AREA: 205,230 SF (4.83 ACRES)	REQUIRED	PROVIDED
SEC. 78-313.a MINIMUM OPEN SPACE SHALL BE AT LEAST 15% (318,460 SF * 15% = 47,769 SF)	47,769 SF 15%	113,410 SF 35.6%
SEC. 78-313.b NOT MORE THAN 40% OF THE TOTAL LANDSCAPE AREA SHALL BE SOD (113,410 SF * 40% = 45,364 SF)	45,364 SF	32,512 SF 28.6%
SEC. 78-313.c.TABLE 26 MINIMUM LANDSCAPE POINTS PER OPEN SPACE PROVIDED OPEN SPACE: 108,224 SF (33.9%) POINTS PER 100 SF PER OPEN SPACE PERCENTAGE: 11 113,410 / 100 SF * 10.5 POINTS = 11,908 POINTS	11,908 POINTS	15,802 POINTS
SEC. 78-313.c.TABLE 27 NATIVE TREES - 5" DBH = 20 POINTS + 1 POINT PER EACH INCH > 5" DBH 19 TREES * 20 POINTS = 380 POINTS 1,240 ADDITIONAL INCHES * 1 POINT = 1,240 POINTS TREES WITH 12' HT MIN. (75% FROM PBG TREE LIST) = 15 POINTS + 1 POINT PER EACH FOOT > 12' 186 TREES * 15 POINTS = 2,790 POINTS 442 ADDITIONAL FOOT * 1 POINT = 442 POINTS PBG PREFERRED PALMS WITH 8' CT MIN. = 3.3 POINTS + 1 POINT PER EACH FOOT > 8' 79 PALMS * 3.3 POINTS = 260 POINTS 790 ADDITIONAL FOOT * 1 POINT = 790 POINTS PALMS NOT ON PBG PALM LIST OR LESS THAN 8' CT = 1 POINT 9 PALMS * 1 POINT = 9 POINTS ALL SHRUBS (MIN. 75% FROM PBG PREFERRED LIST) = 1 POINT 6,980 SHRUBS * 1 POINT = 6,980 POINTS ALL GROUND COVER (MIN. 75% FROM PBG PREFERRED LIST) = 2 POINTS PER 10 SF 10,599 GROUND COVER SF / 10 SF * 2 POINTS = 2,119 POINTS GRASS = .25 POINTS PER 10 SF 31,685 GRASS SF / 10 SF * .25 POINTS = 792 POINTS		1,620 POINTS 3,232 POINTS 1,050 POINTS 9 POINTS 6,980 POINTS 2,119 POINTS 792 POINTS
SEC. 78-319.c.4 A MINIMUM OF 75% OF TOTAL QUANTITIES SHALL BE FROM THE PREFERRED PLANT LIST. 12,681 TOTAL LANDSCAPE QUANTITIES * 75% = 9,510 REQUIRED PREFERRED PLANTS	9,510 PLANTS	9,209 PLANTS
SEC. 78-320.a.4.c AT LEAST 1 TREE OR PALM CLUSTER PER 30 LF OR FOUNDATION PERIMETER. 2,133 LF FOUNDATION / 30 LF * 1 TREE = 72 TREES	72 TREES	73 PROPOSED 2 EXISTING
SEC. 78-319.c.3 THE MAXIMUM SPACING OF PLANTING TREES SHALL BE 60 FEET ALONG ANY PERIMETER BUFFER. NORTH: 606 LF BUFFER / 60 LF * 1 TREE = 11 TREES EAST: 372 LF BUFFER / 60 LF * 1 TREE = 7 TREES SOUTH: 973 LF BUFFER / 60 LF * 1 TREE = 17 TREES WEST: 616 LF BUFFER / 60 LF * 1 TREE = 11 TREES	11 TREES 7 TREES 17 TREES 11 TREES	20 TREES 17 TREES 54 TREES 24 TREES
NATIVE CALCULATIONS: TREES/PALMS: 218/274 = 80% SHRUBS/GROUND COVERS: 3,611/12,407 = 29%		

PLANT SCHEDULE - PHASE 2

TREES	COMMON NAME	BOTANICAL NAME	CONT	CAL	SIZE	NATIVE	QTY
BS	Gumbo Limbo	Bursera simaruba	B # B	3" Cal.	14' HT X 6' SPR	Yes	6
LD	Natchez Crape Myrtle Multi Trunk, 5 Trunk Min	Lagerstroemia x 'Natchez'	B # B	MULTI	16' HT x 5' SPR	No	12
MF	Simpson's Stopper Standard Trunk	Myrcianthes fragrans	B # B	3" Cal.	12' HT x 5' SPR	Yes	6
MG	Southern Magnolia	Magnolia grandiflora	B # B	3" Cal.	16' HT x 6' SPR	Yes	6
PER	Slash Pine	Pinus elliotii	Relocated			Yes	6
QV	Southern Live Oak	Quercus virginiana	B # B	3" Cal.	16' HT x 6' SPR	Yes	2
PALM TREES	COMMON NAME	BOTANICAL NAME	CONT	CAL	SIZE	NATIVE	QTY
PR	Pygmy Date Palm Double Trunk	Phoenix roebelenii	F.G.		6' HT	No	2
SS	Sabal Palm	Sabal palmetto	F.G.		18' - 22' CT	Yes	12
SSR	Sabal Palm	Sabal palmetto	Relocated			Yes	6
SHRUBS	COMMON NAME	BOTANICAL NAME	CONT	O.C.	SIZE	NATIVE	QTY
AG	Dwarf Shell Ginger	Alpinia zerumbet 'Nana'	Cont.	36" O.C.	24"x24"	No	55
CQ	Queen Emma Crinum Lily	Crinum augustum 'Queen Emma'	Cont.	As Shown	36"x36"	No	3
CR	Red Tip Cocoplum	Chrysobalanus icaco 'Red Tip'	Cont.	36" O.C.	24"x24"	Yes	255
CT	Red Sister Ti Plant 3PPP	Cordyline fruticosa 'Red Sister'	Cont.	24" O.C.	36"HT	No	203
FG	Green Island Ficus	Ficus microcarpa 'Green Island'	Cont.	24" O.C.	15"x15"	No	603
PN	Wild Coffee	Psychotria nervosa	Cont.	36" O.C.	24"x24"	Yes	22
SHRUB AREAS	COMMON NAME	BOTANICAL NAME	CONT	O.C.	SIZE	NATIVE	QTY
JJ	Wax Jasmine	Jasminum volubile	Cont.	24" O.C.	18"x18"	Yes	32
PX	Xanadu Philodendron	Philodendron x 'Xanadu'	Cont.	30" O.C.	18"x18"	No	92
TF	Dwarf Fakahatchee Grass	Tripsacum floridana	Cont.	36" O.C.	18" HT	Yes	312
GROUND COVERS	COMMON NAME	BOTANICAL NAME	CONT	O.C.	SIZE	NATIVE	QTY
SOD	Floratum St. Augustine Grass	Stenotaphrum secundatum 'Floratum'	Sod			Yes	±3,753 sf

PLANTING NOTES:

- CONTRACTOR SHALL REFER TO THE LANDSCAPE PLANTING DETAILS, PLANT LIST, GENERAL NOTES AND ALL CONTRACT DOCUMENTS FOR FURTHER AND COMPLETE INSTRUCTIONS.
- PLANT LIST QUANTITIES ARE PROVIDED FOR CONVENIENCE. IN THE EVENT OF QUANTITY DISCREPANCIES THE DRAWING SHALL TAKE PRECEDENCE. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT PRIOR TO BIDDING.
- PLANT SIZES LISTED ARE THE MINIMUM SIZE THAT WILL BE ACCEPTED FOR THAT PLANT.
- ANY SUBSTITUTION IN SIZE AND/OR PLANT MATERIAL MUST BE APPROVED BY THE LANDSCAPE ARCHITECT IN WRITING. ALL PLANTS WILL BE SUBJECT TO APPROVAL BY LANDSCAPE ARCHITECT AND/OR OWNERS REPRESENTATIVE BEFORE PLANTING CAN BEGIN.
- CONTRACTOR SHALL FIELD ADJUST LOCATION OF PLANT MATERIAL AS NECESSARY TO AVOID DAMAGE TO EXISTING UNDERGROUND UTILITIES AND/OR INTERFERE WITH EXISTING ABOVE GROUND ELEMENTS. ALL CHANGES REQUIRED SHALL BE COMPLETED AT THE CONTRACTOR'S EXPENSE AND SHALL BE COORDINATED WITH THE OWNER'S REPRESENTATIVE AND THE LANDSCAPE ARCHITECT.
- THE CONTRACTOR SHALL BEAR ALL COSTS OF TESTING OF SOILS, AMENDMENTS, ETC. ASSOCIATED WITH THE WORK AND INCLUDED IN THE SPECIFICATIONS.
- CONTRACTOR SHALL FAMILIARIZE HIM/HERSELF WITH THE LIMITS OF WORK AND EXISTING CONDITIONS AND VERIFY ALL INFORMATION. IF DISCREPANCIES EXIST, CONTRACTOR SHALL NOTIFY OWNER'S REPRESENTATIVE IN WRITING WITHIN SEVEN CALENDAR DAYS OF NOTICE TO PROCEED.
- ALL NEW AND TRANSPLANTED PLANT MATERIAL SHALL BE IRRIGATED BY AN AUTOMATIC UNDERGROUND IRRIGATION SYSTEM.

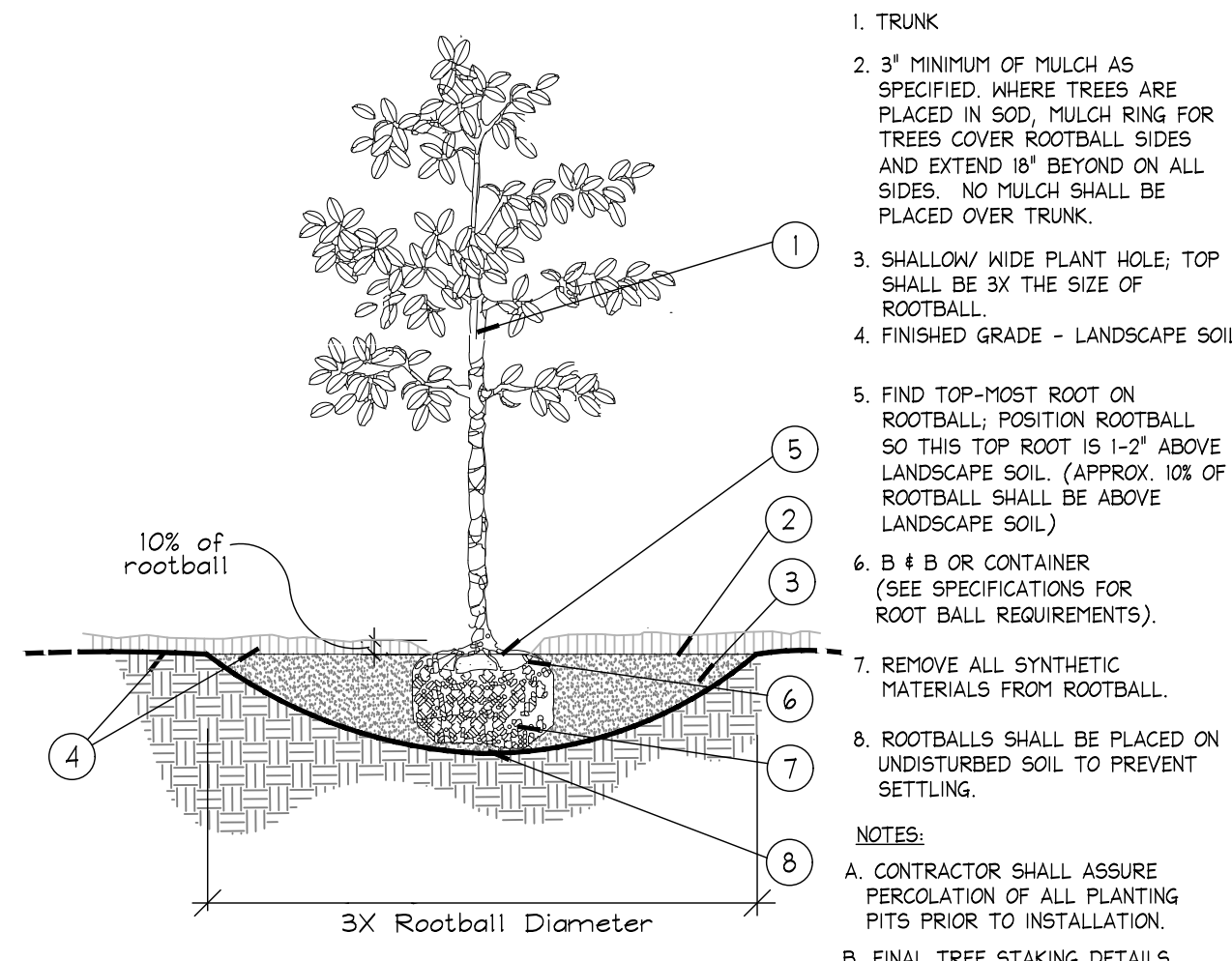


THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE AND OBTAINING ALL NECESSARY PERMITS.

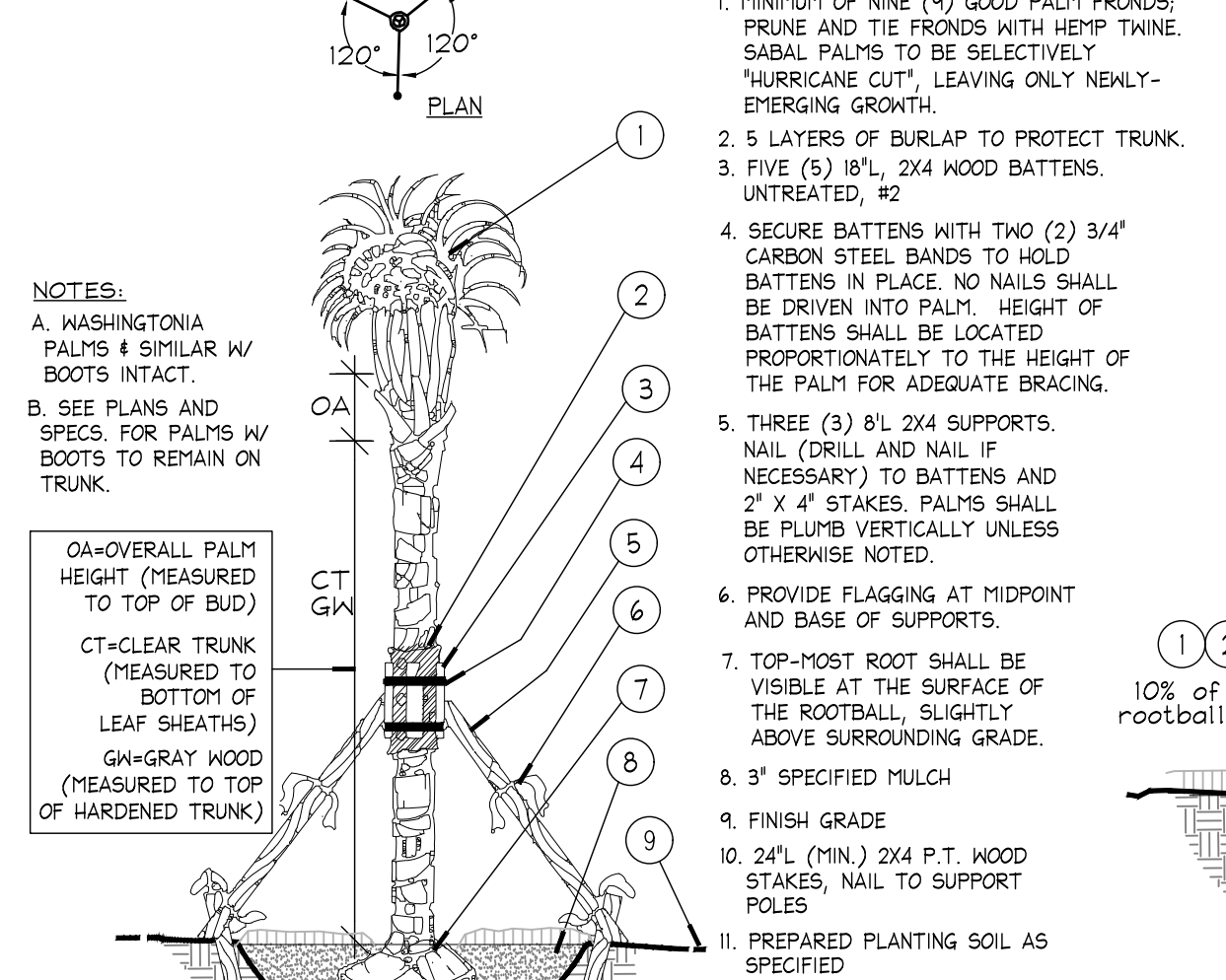
CALL 2 WORKING DAYS BEFORE YOU DIG **811**
IT'S THE LAW! DIAL 811 **Know what's below. Call before you dig.**
SUNSHINE STATE ONE CALL OF FLORIDA, INC.

Kimley»Horn © 2022 KIMLEY-HORN AND ASSOCIATES, INC. 1920 MEKAWA WAY, SUITE 200, WEST PALM BEACH, FLORIDA 33411 PHONE: 561-845-1885 FAX: 561-863-8175 WWW.KIMLEY-HORN.COM CA 00069696	LICENSED PROFESSIONAL TRICIA C. RICHTER, PLA FL LICENSE NUMBER LA#6667244 CHECKED BY: TOR DATE: 2/16/2022
	KHA PROJECT 048028008 DATE FEB 2022 SCALE AS SHOWN DESIGNED BY AVB DRAWN BY AVB CHECKED BY TOR
LANDSCAPE PLAN	
ENCOMPASS HEALTH PREPARED FOR ENCOMPASS HEALTH CORPORATION PALM BEACH GARDENS FL	
SHEET NUMBER L2.04	

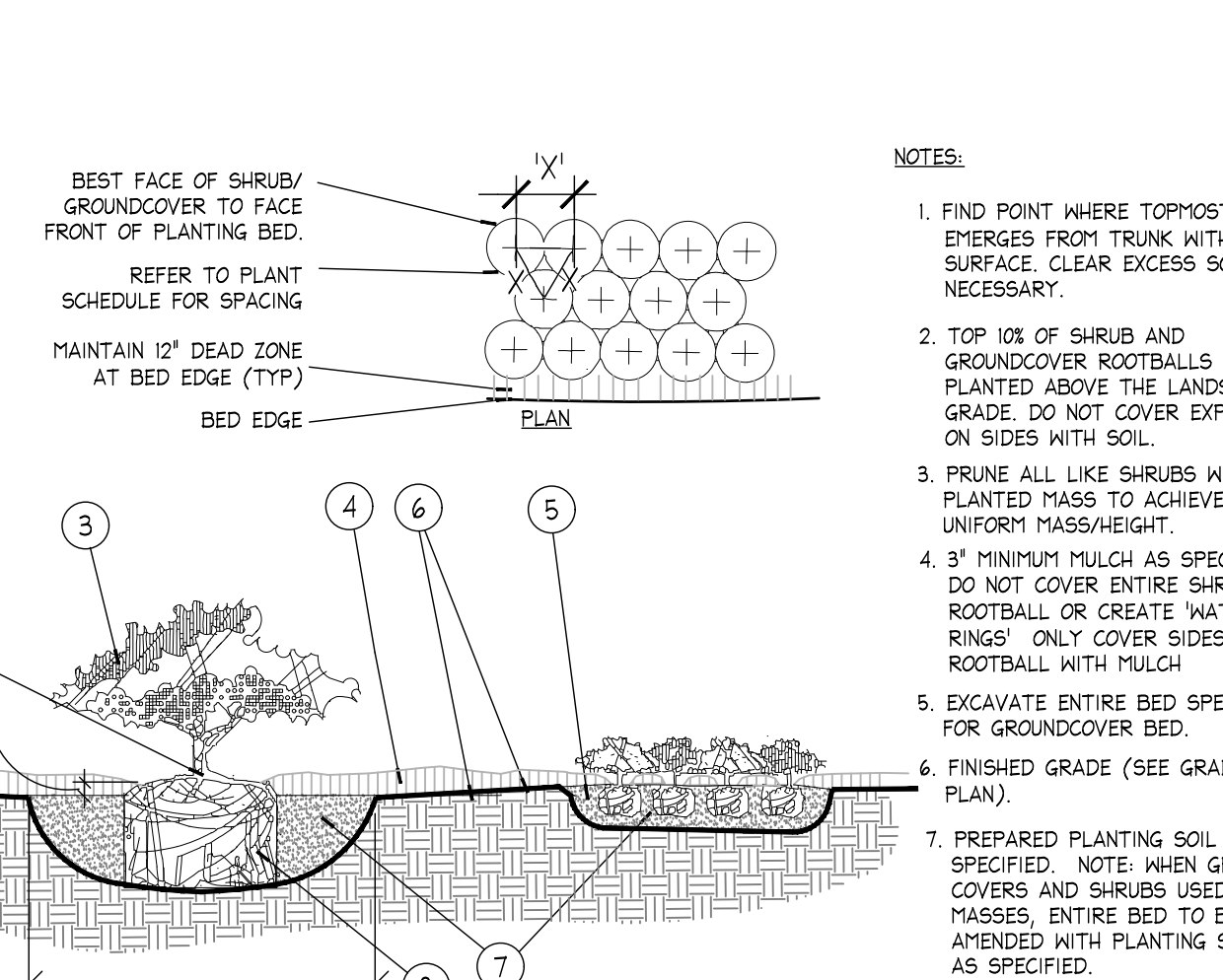
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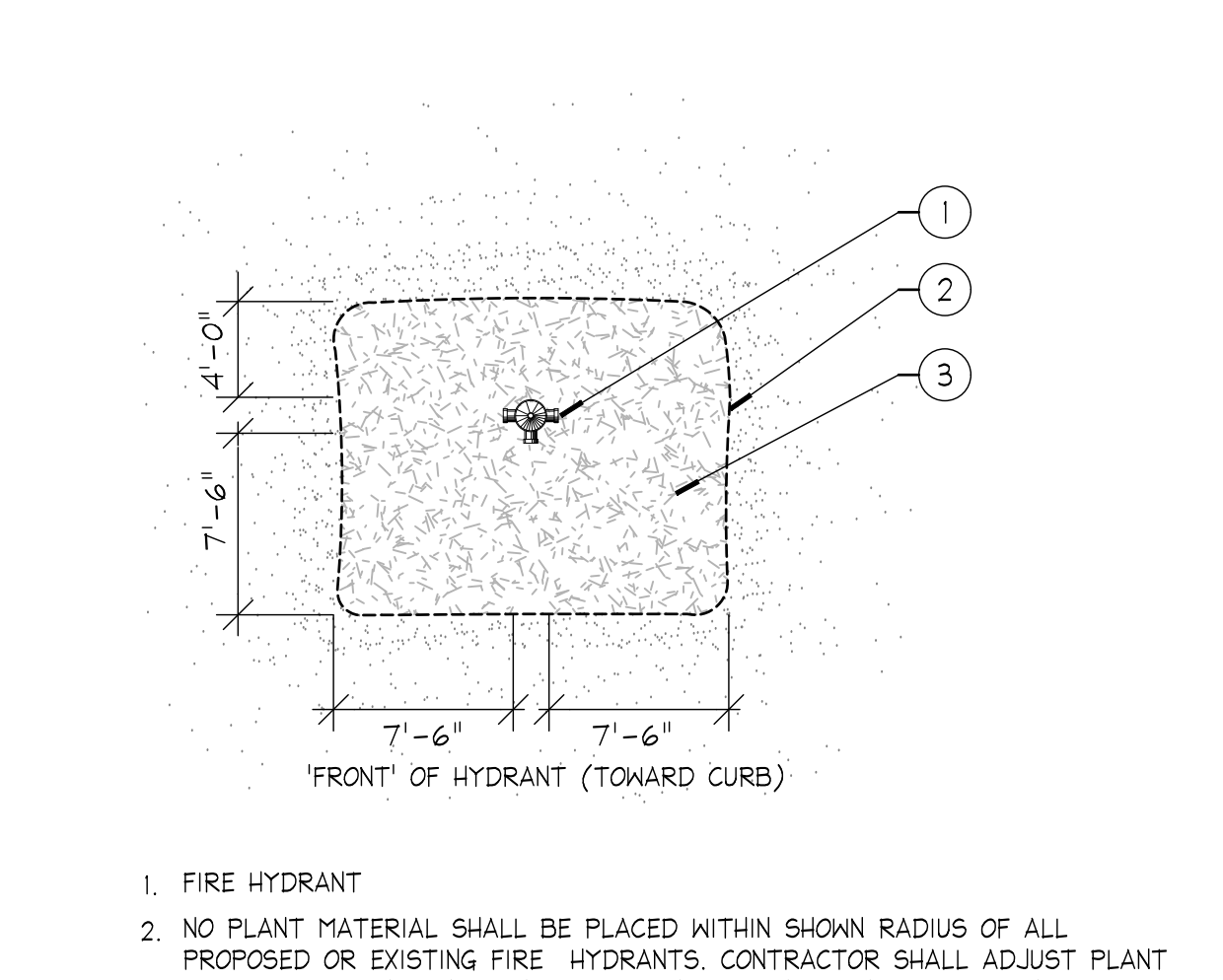
A Tree Planting SECTION NTS



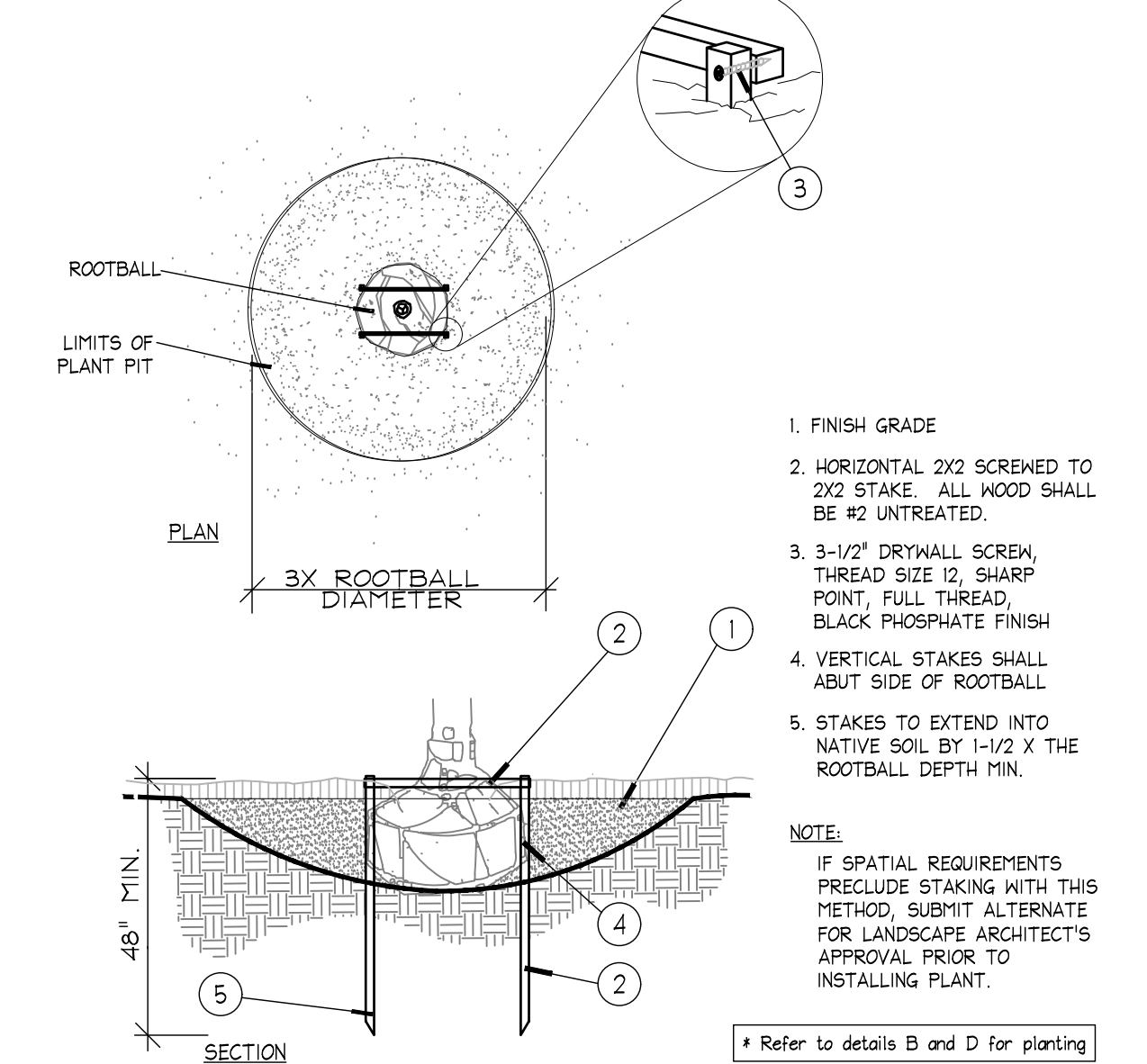
B Palm Planting and Staking SECTION NTS



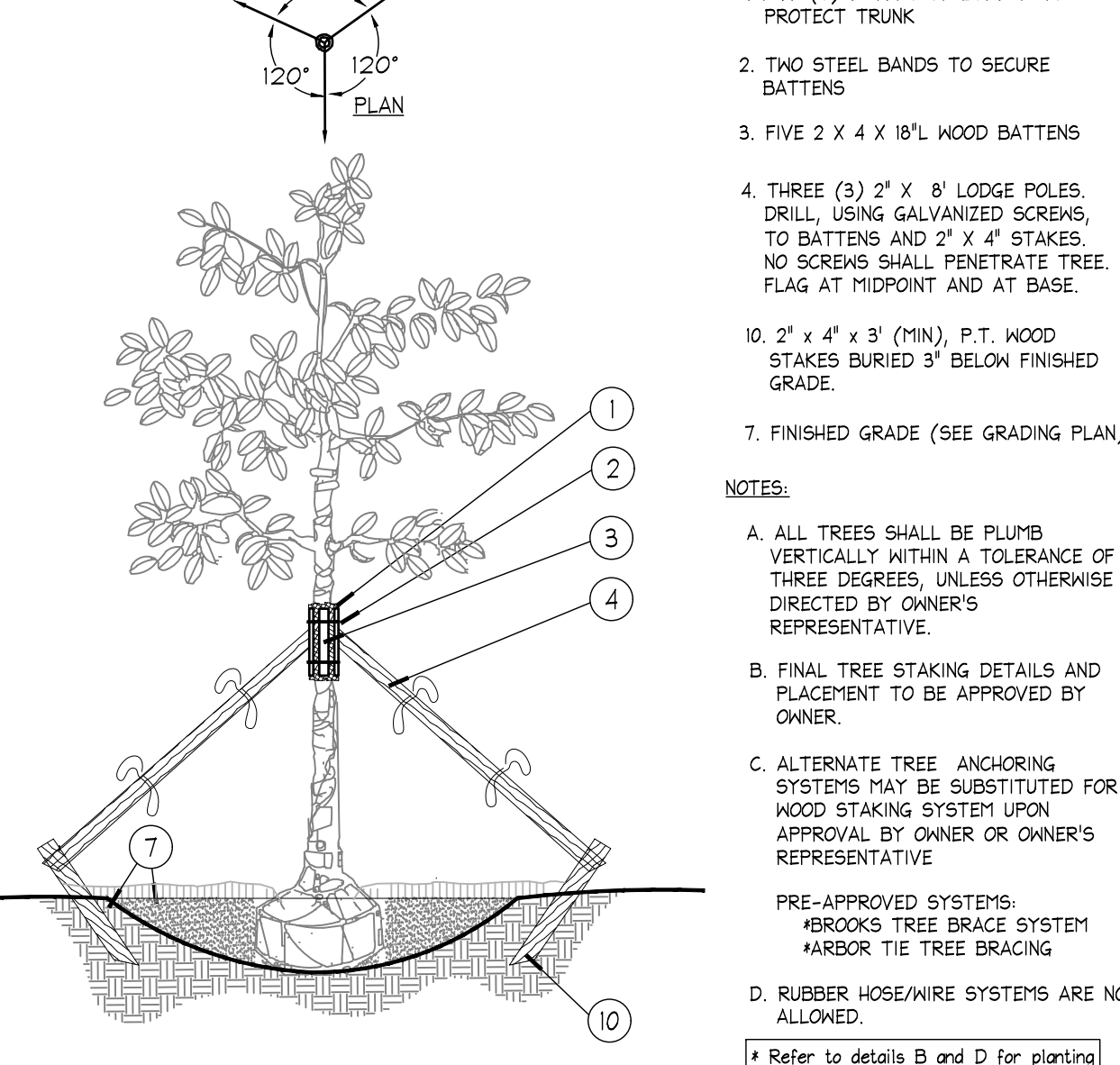
C Shrub / Groundcover Planting PLAN/SECTION NTS



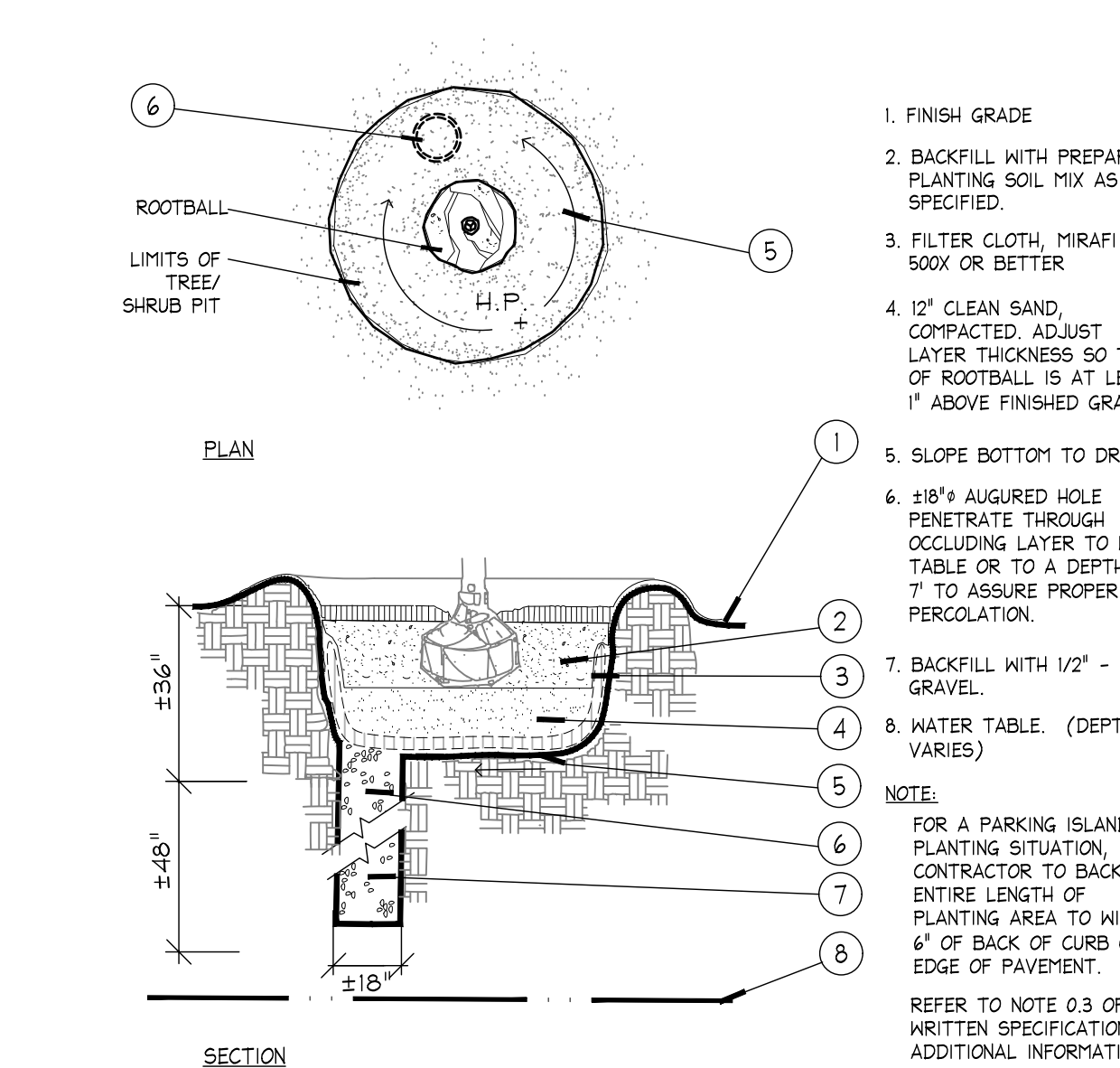
D Fire Hydrant Clear Zone PLAN NTS



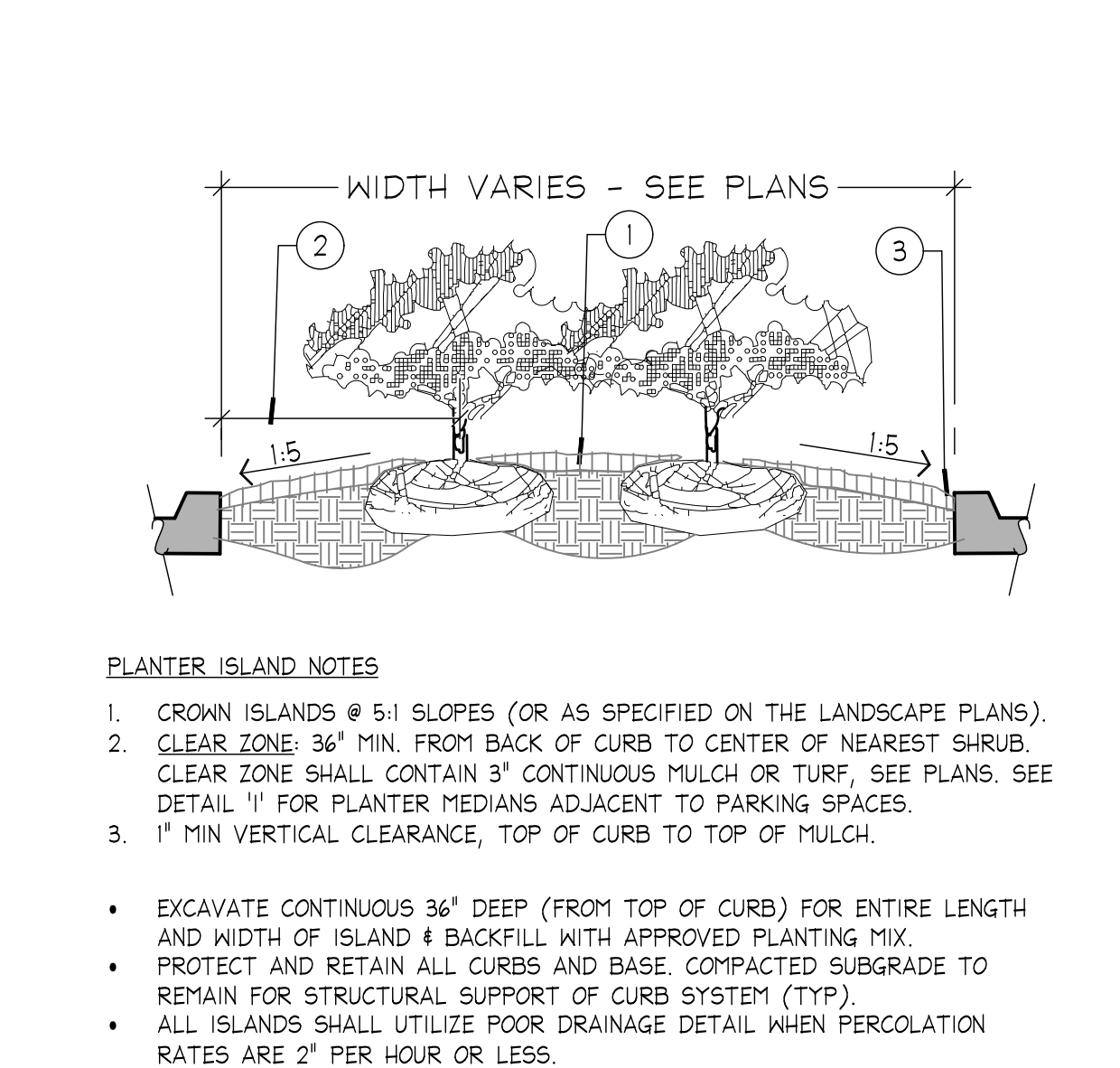
E Staking - up to 65 gal. or B#B to 3-1/2\"/>



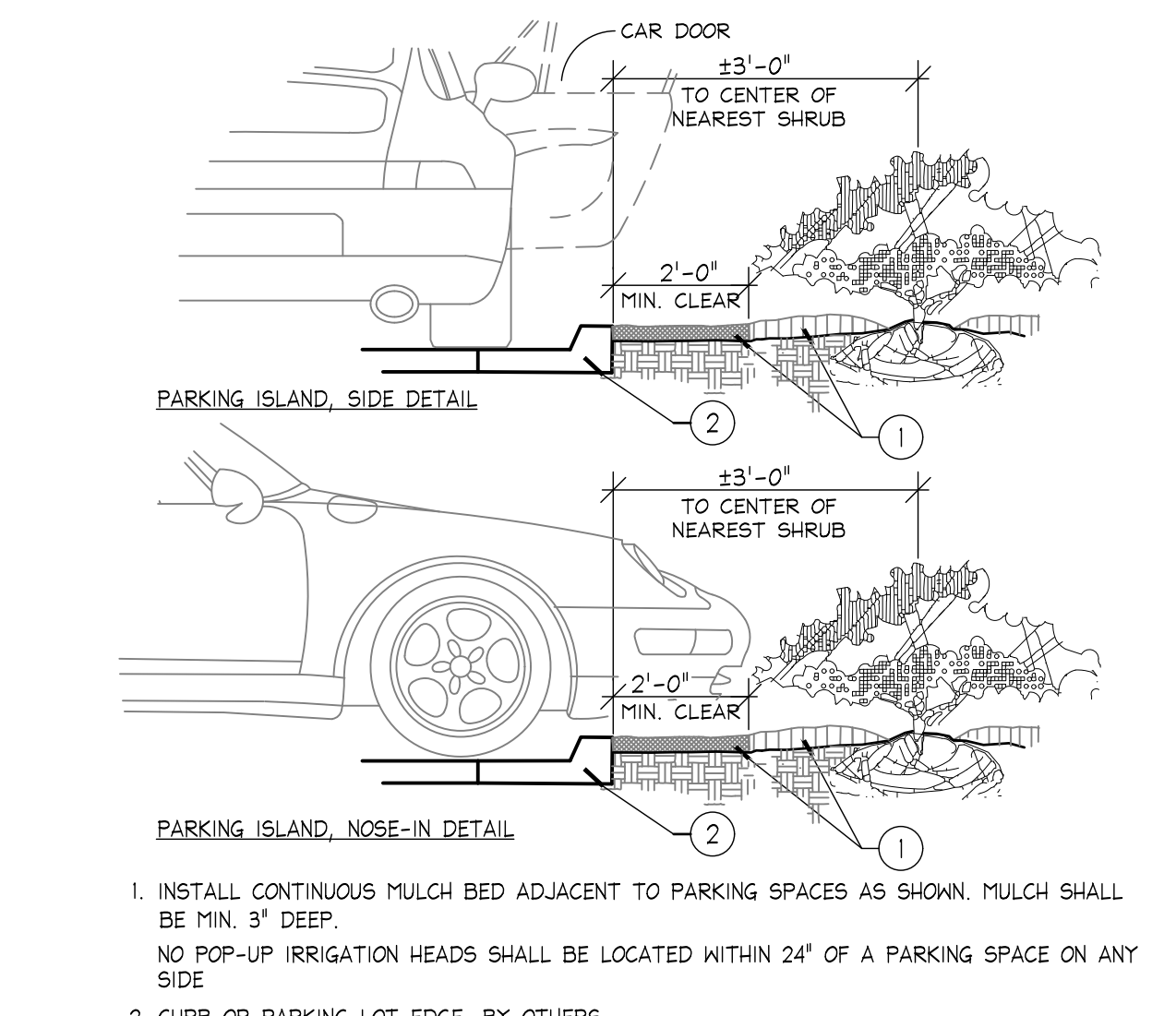
F Large Tree Staking - 100 Gal + or B#B 4\"/>



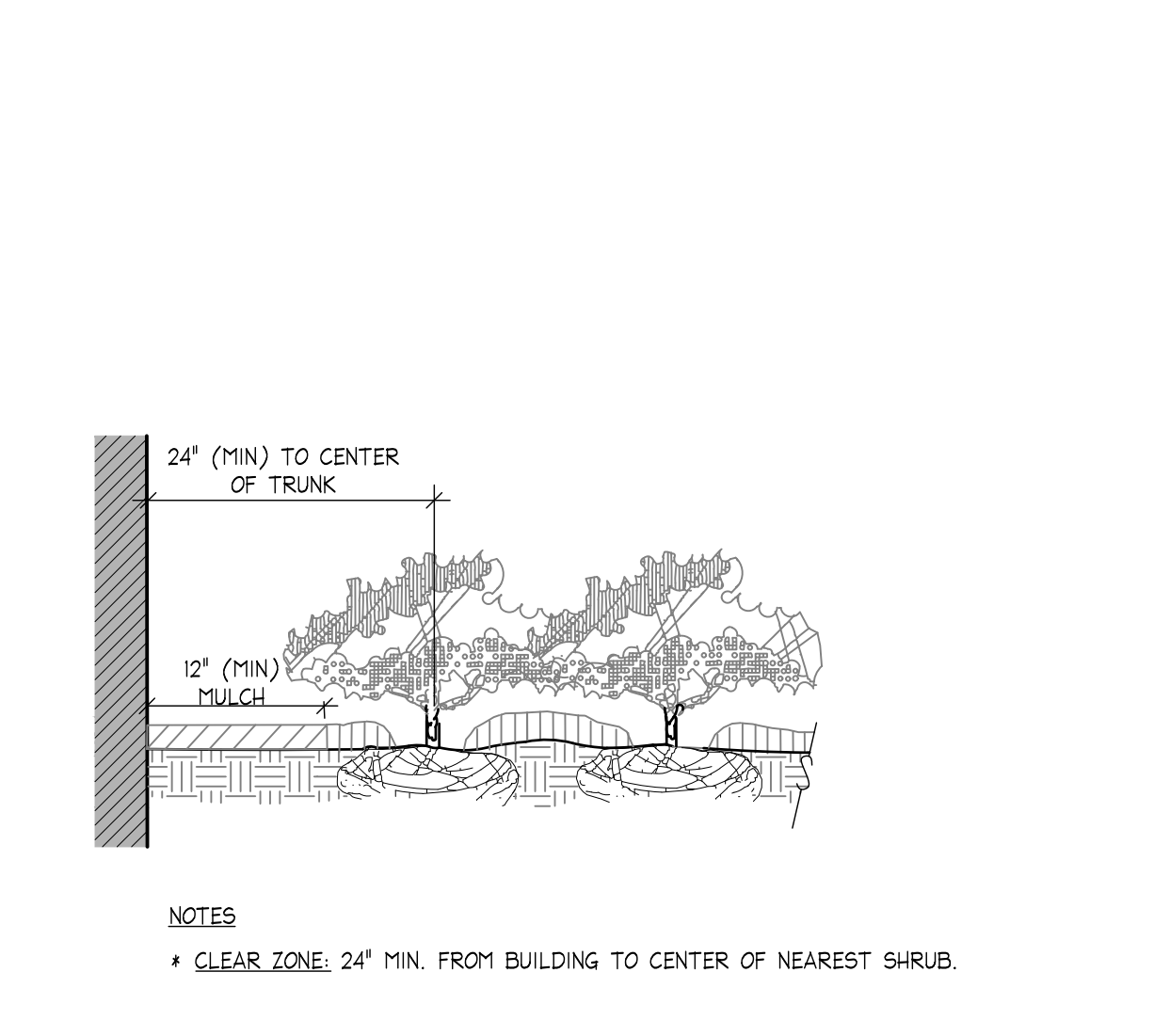
G Poor Drainage Condition PLAN/SECTION NTS



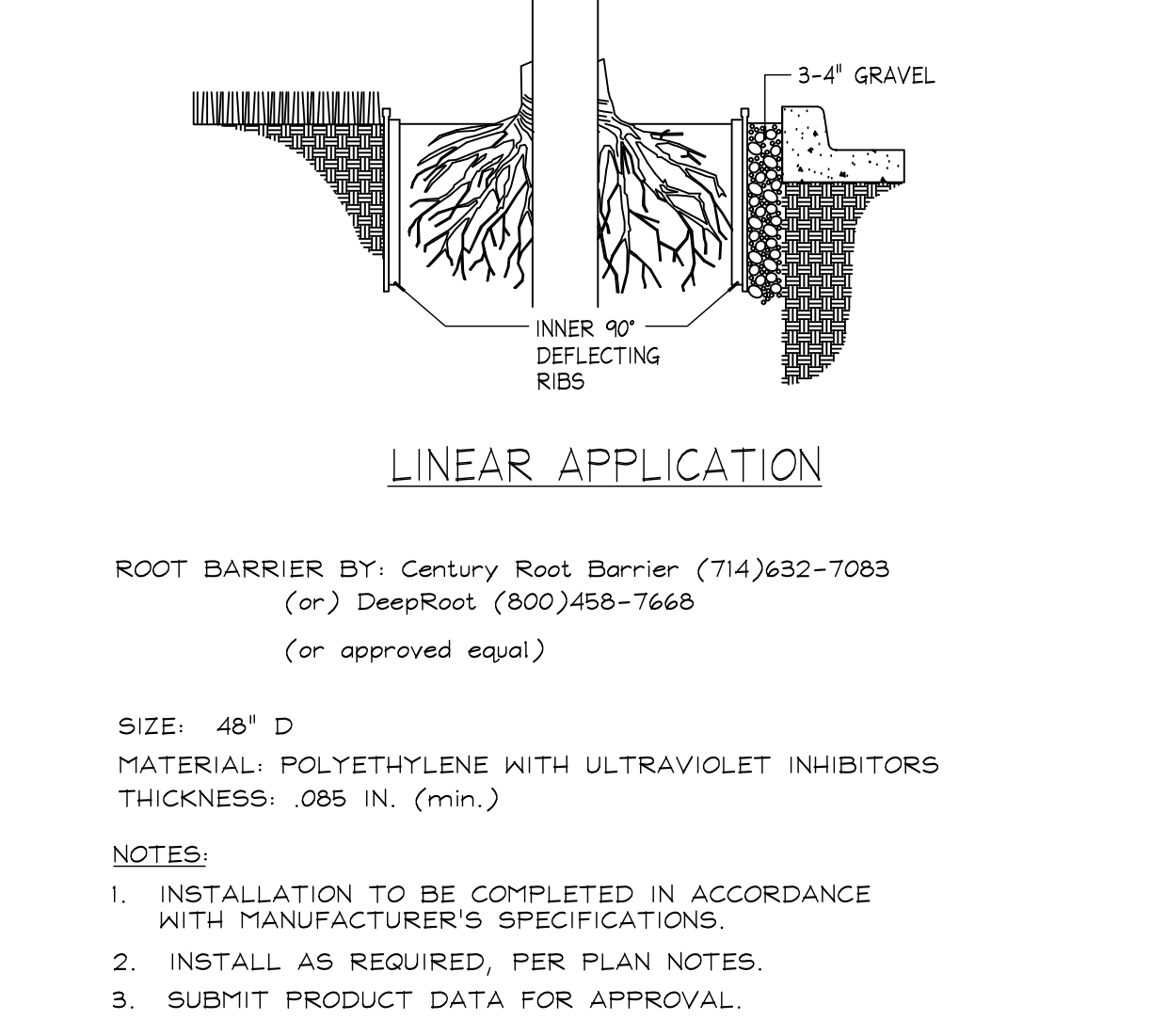
H Planted Parking Lot Islands / Medians SECTION NTS



I Parking Space/Curb Planting SECTION NTS



J Plantings Adjacent to Buildings SECTION NTS



K Root Barrier Barrier Detail NTS

No.	REVISIONS	DATE	BY

Kimley»Horn

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LICENSED PROFESSIONAL
TRICIA C. RICHTER, PLA
 FL LICENSE NUMBER
 LA#6667214

KHA PROJECT	048028008
DATE	FEB 2022
SCALE	AS SHOWN
DESIGNED BY	AVB
DRAWN BY	AVB
CHECKED BY	TCR
DATE	9/8/2021

LANDSCAPE DETAILS

ENCOMPASS HEALTH
 PREPARED FOR
ENCOMPASS HEALTH CORPORATION
 PALM BEACH GARDENS FL

SHEET NUMBER
L2.10

Printed By:Bencher, Alex Sheet: Set:ENCOMPASS_HEALTH_LowestL2.11_LANDSCAPE NOTES - February 17, 2022, 11:35:44am K:\WEB_Development\04028008 - Encompass Health\CA\Drawings\2.10 LANDSCAPE DETAILS.dwg

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GENERAL LANDSCAPE SPECIFICATIONS AND NOTES

A. SCOPE OF WORK

- 1. THE WORK CONSISTS OF: FURNISHING ALL LABOR, MATERIALS, EQUIPMENT, TOOLS, TRANSPORTATION, AND ANY OTHER APPURTENANCES NECESSARY FOR THE COMPLETION OF THIS PROJECT AS SHOWN ON THE DRAWINGS, AS INCLUDED IN THE PLANT LIST, AND AS HEREIN SPECIFIED.
2. WORK SHALL INCLUDE MAINTENANCE AND WATERING OF ALL CONTRACT PLANTING AREAS UNTIL CERTIFICATION OF ACCEPTABILITY BY THE OWNER.

B. PROTECTION OF EXISTING STRUCTURES

ALL EXISTING BUILDINGS, WALKS, WALLS, PAVING, PIPING, OTHER SITE CONSTRUCTION ITEMS, AND PLANTING ALREADY COMPLETED OR ESTABLISHED SHALL BE PROTECTED FROM DAMAGE BY THE CONTRACTOR UNLESS OTHERWISE SPECIFIED. ALL DAMAGE RESULTING FROM NEGLIGENCE SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER, AT NO COST TO THE OWNER.

C. PROTECTION OF EXISTING PLANT MATERIALS OUTSIDE LIMIT OF WORK

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL UNAUTHORIZED CUTTING OR DAMAGE TO TREES AND SHRUBS EXISTING OR OTHERWISE, CAUSED BY CARELESS EQUIPMENT OPERATION, MATERIAL STOCKPILING, ETC. THIS SHALL INCLUDE COMPACTION BY DRIVING OR PARKING INSIDE THE DRIP-LINE AND SPILLING OIL, GASOLINE, OR OTHER DELETERIOUS MATERIALS WITHIN THE DRIP-LINE. NO MATERIALS SHALL BE BURNED WHERE HEAT WILL DAMAGE ANY PLANT. EXISTING TREES KILLED OR DAMAGED SO THAT THEY ARE MISSHAPEN AND/ OR UNSIGHTLY SHALL BE REPLACED AT THE COST TO THE CONTRACTOR OF ONE HUNDRED DOLLARS (\$100) PER CALIPER INCH ON AN ESCALATING SCALE WHICH ADDS AN ADDITIONAL TWENTY (20) PERCENT PER INCH OVER FOUR (4) INCHES CALIPER AS FIXED AND AGREED LIQUIDATED DAMAGES. CALIPER SHALL BE MEASURED SIX (6) INCHES ABOVE GROUND LEVEL FOR TREES UP TO AND INCLUDING FOUR (4) INCHES IN CALIPER AND TWELVE (12) INCHES ABOVE GROUND LEVEL FOR TREES OVER FOUR (4) INCHES IN CALIPER.

D. MATERIALS

1. GENERAL

MATERIALS LISTED BELOW SHALL BE SUBMITTED FOR APPROVAL. UPON SUBMITTALS' APPROVAL, DELIVERY OF MATERIALS MAY COMMENCE.

Table with 2 columns: MATERIAL, SUBMITTAL. Rows include MULCH, TOPSOIL MIX, PLANTS, FERTILIZER, INNOCULANT, HERBICIDE, STAKING/GUYING.

2. PLANT MATERIALS

- A. PLANT SPECIES AND SIZE SHALL CONFORM TO THOSE INDICATED ON THE DRAWINGS. NOMENCLATURE SHALL CONFORM TO STANDARDIZED PLANT NAMES, 1942 EDITION. ALL NURSERY STOCK SHALL BE IN ACCORDANCE WITH GRADES AND STANDARDS FOR NURSERY PLANTS, LATEST EDITION, PUBLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES.
B. MEASUREMENTS: THE HEIGHT AND/OR WIDTH OF TREES SHALL BE MEASURED FROM THE GROUND OR ACROSS THE NORMAL SPREAD OF BRANCHES WITH THE PLANTS IN THEIR NORMAL POSITION.
C. INSPECTION: PLANTS SHALL BE SUBJECT TO INSPECTION AND APPROVAL AT THE PLACE OF GROWTH, OR UPON DELIVERY TO THE SITE, AS DETERMINED BY THE OWNER, FOR QUALITY, SIZE, AND VARIETY; SUCH APPROVAL SHALL NOT IMPAIR THE RIGHT OF INSPECTION AND REJECTION AT THE SITE DURING PROGRESS OF THE WORK OR AFTER COMPLETION FOR SIZE AND CONDITION OF ROOT BALLS OR ROOTS, LATENT DEFECTS OR INJURIES.

E. SOIL MIXTURE (PLANTING MEDIUM, PLANTING MIX, TOPSOIL MIX)

- 1. SOIL MIXTURE (PLANTING MEDIUM FOR PLANT PITS) SHALL CONSIST OF 20% CLEAN FLORIDA MUCK AND 80% PARTS CLEAN SAND. IT SHALL CONTAIN THREE (3) TO FIVE (5) PERCENT DECOMPOSED ORGANIC MATTER AND A PH BETWEEN 5.5 AND 7.0 - SUBMIT SAMPLE AND PH TESTING RESULTS FOR APPROVAL.
2. MUCK (OR MUCKY PEAT) FOR USE IN PREPARING SOIL MIXTURE FOR BACKFILLING PLANT PITS SHALL BE FERTILE, AND OF A VERY HIGH ORGANIC CONTENT DERIVED FROM FLORIDA SOURCES; REASONABLY FREE OF SUBSOIL, CLAY LUMPS, BRUSH WEEDS AND OTHER LITTER; FREE OF ROOTS, STUMPS, STONES LARGER THAN 2" IN ANY DIRECTION, AND OTHER EXTRANEIOUS OR TOXIC MATTER HARMFUL TO PLANT GROWTH.
3. SAND FOR USE IN PREPARING SOIL MIXTURE SHALL BE COARSE, CLEAN, WELL-DRAINING, NATIVE SAND. CONTRACTOR SHALL SUBMIT RESULTS OF SOIL TESTS FOR TOPSOIL AND SAND PROPOSED FOR USE UNDER THIS CONTRACT FOR APPROVAL BY THE OWNER.

F. WATER

WATER NECESSARY FOR PLANTING AND MAINTENANCE SHALL BE OF SATISFACTORY QUALITY TO SUSTAIN AN ADEQUATE PLANT GROWTH AND SHALL NOT CONTAIN HARMFUL, NATURAL OR MAN-MADE ELEMENTS DETRIMENTAL TO PLANTS. WATER MEETING THE ABOVE STANDARD SHALL BE OBTAINED ON THE SITE FROM THE OWNER, IF AVAILABLE, AND THE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE ARRANGEMENTS FOR ITS USE BY HIS TANKS, HOSES, SPRINKLERS, ETC.. IF SUCH WATER IS NOT AVAILABLE AT THE SITE, THE CONTRACTOR SHALL PROVIDE SATISFACTORY WATER FROM SOURCES OFF THE SITE AT NO ADDITIONAL COST TO THE OWNER.
*WATERING/IRRIGATION RESTRICTIONS MAY APPLY - REFER TO PROPERTY'S JURISDICTIONAL AUTHORITY.

G. FERTILIZER

CONTRACTOR SHALL PROVIDE FERTILIZER APPLICATION SCHEDULE TO OWNER, AS APPLICABLE TO SOIL TYPE, PLANT INSTALLATION TYPE, AND SITE'S PROPOSED USE. SUGGESTED FERTILIZER TYPES SHALL BE ORGANIC OR OTHERWISE NATURALLY-DERIVED.
*FERTILIZER RESTRICTIONS MAY APPLY - REFER TO PROPERTY'S JURISDICTIONAL AUTHORITY.

H. MULCH

MULCH MATERIAL SHALL BE MOISTENED AT THE TIME OF APPLICATION TO PREVENT WIND DISPLACEMENT, AND APPLIED AT A MINIMUM DEPTH OF 3 INCHES. CLEAR MULCH FROM EACH PLANT'S CROWN (BASE). TYPE OF MATERIAL: "FLORIMULCH" OR SHREDDED, STERILE EUCALYPTUS MULCH

I. DIGGING AND HANDLING

- 1. PROTECT ROOTS OR ROOT BALLS OF PLANTS AT ALL TIMES FROM SUN, DRYING WINDS, WATER AND FREEZING, AS NECESSARY UNTIL PLANTING. PLANT MATERIALS SHALL BE ADEQUATELY PACKED TO PREVENT DAMAGE DURING TRANSIT. TREES TRANSPORTED MORE THAN TEN (10) MILES OR WHICH ARE NOT PLANTED WITHIN THREE (3) DAYS OF DELIVERY TO SITE SHALL BE SPRAYED WITH AN ANTITRANSPIRANT PRODUCT ("WILTRUP" OR EQUAL) TO MINIMIZE TRANSPIRATIONAL WATER LOSS.
2. BALLED AND BURLAPPED PLANTS (B&B) SHALL BE DUG WITH FIRM, NATURAL BALLS OF SOIL OF SUFFICIENT SIZE TO ENCOMPASS THE FIBROUS AND FEEDING ROOTS OF THE PLANTS. NO PLANTS MOVED WITH A ROOT BALL SHALL BE PLANTED IF THE BALL IS CRACKED OR BROKEN. PLANTS BALLED AND BURLAPPED OR CONTAINER GROWN SHALL NOT BE HANDLED BY STEMS.
3. PLANTS MARKED "BR" IN THE PLANT LIST SHALL BE DUG WITH BARE ROOTS, COMPLYING WITH FLORIDA GRADES AND STANDARDS FOR NURSERY PLANTS, CURRENT EDITION. CARE SHALL BE EXERCISED THAT THE ROOTS DO NOT DRY OUT DURING TRANSPORTATION AND PRIOR TO PLANTING.

J. CONTAINER GROWN STOCK

- 1. ALL CONTAINER GROWN MATERIAL SHALL BE HEALTHY, VIGOROUS, WELL-ROOTED PLANTS ESTABLISHED IN THE CONTAINER IN WHICH THEY ARE SOLD. THE PLANTS SHALL HAVE TOPS WHICH ARE OF GOOD QUALITY AND ARE IN A HEALTHY GROWING CONDITION, FLORIDA #1 OR BETTER.
2. AN ESTABLISHED CONTAINER GROWN PLANT SHALL BE TRANSPLANTED INTO A CONTAINER AND GROWN IN THAT CONTAINER SUFFICIENTLY LONG FOR THE NEW FIBROUS ROOTS TO HAVE DEVELOPED SO THAT THE ROOT MASS WILL RETAIN ITS SHAPE AND HOLD TOGETHER WHEN REMOVED FROM THE CONTAINER. CONTAINER GROWN STOCK SHALL NOT BE HANDLED BY THEIR STEMS.
3. PLANT ROOTS BOUND IN CONTAINERS ARE NOT ACCEPTABLE.
4. SUBSTITUTION OF NON-CONTAINER GROWN MATERIAL FOR MATERIAL EXPLICITLY SPECIFIED TO BE CONTAINER GROWN WILL NOT BE PERMITTED WITHOUT WRITTEN APPROVAL IS OBTAINED FROM THE OWNER OR OWNER'S REPRESENTATIVE.

K. COLLECTED STOCK

WHEN THE USE OF COLLECTED STOCK IS PERMITTED AS INDICATED BY THE OWNER OR OWNER'S REPRESENTATIVE, THE MINIMUM SIZES OF ROOTBALLS SHALL BE EQUAL TO THAT SPECIFIED FOR THE NEXT LARGER SIZE OF NURSERY GROWN STOCK OF THE SAME VARIETY.

L. NATIVE STOCK

PLANTS COLLECTED FROM WILD OR NATIVE STANDS SHALL BE CONSIDERED NURSERY GROWN WHEN THEY HAVE BEEN SUCCESSFULLY RE-ESTABLISHED IN A NURSERY ROW AND GROWN UNDER REGULAR NURSERY CULTURAL PRACTICES FOR A MINIMUM OF TWO (2) GROWING SEASONS AND HAVE ATTAINED ADEQUATE ROOT AND TOP GROWTH TO INDICATE FULL RECOVERY FROM TRANSPLANTING INTO THE NURSERY ROW.

M. MATERIALS LIST

QUANTITIES NECESSARY TO COMPLETE THE WORK ON THE DRAWINGS SHALL BE FURNISHED BY THE CONTRACTOR. QUANTITY ESTIMATES HAVE BEEN MADE CAREFULLY, BUT THE LANDSCAPE ARCHITECT OR OWNER ASSUMES NO LIABILITY FOR OMISSIONS OR ERRORS. SHOULD A DISCREPANCY OCCUR BETWEEN THE PLANS AND THE PLANT LIST QUANTITY, THE LANDSCAPE ARCHITECT SHALL BE NOTIFIED FOR CLARIFICATION PRIOR TO BIDDING OR INSTALLATION. ALL DIMENSIONS AND/OR SIZES SPECIFIED SHALL BE THE MINIMUM ACCEPTABLE SIZE

N. FINE GRADING

- 1. FINE GRADING UNDER THIS CONTRACT SHALL CONSIST OF FINAL FINISHED GRADING OF LAWN AND PLANTING AREAS THAT HAVE BEEN ROUGH GRADED BY OTHERS. BERMING AS SHOWN ON THE DRAWINGS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, UNLESS OTHERWISE NOTED.
2. THE CONTRACTOR SHALL FINE GRADE THE LAWN AND PLANTING AREAS TO BRING THE ROUGH GRADE UP TO FINAL FINISHED GRADE ALLOWING FOR THICKNESS OF SOD AND/OR MULCH DEPTH. THIS CONTRACTOR SHALL FINE GRADE BY HAND AND/OR WITH ALL EQUIPMENT NECESSARY INCLUDING A GRADING TRACTOR WITH FRONT-END LOADER FOR TRANSPORTING SOIL WITHIN THE SITE.
3. ALL PLANTING AREAS SHALL BE GRADED AND MAINTAINED FOR POSITIVE DRAINAGE TO SURFACE/SUBSURFACE STORM DRAIN SYSTEMS. AREAS ADJACENT TO BUILDINGS SHALL SLOPE AWAY FROM THE BUILDINGS. REFER TO CIVIL ENGINEER'S PLANS FOR FINAL GRADES.

O. PLANTING PROCEDURES

- 1. CLEANING UP BEFORE COMMENCING WORK: THE CONTRACTOR SHALL CLEAN WORK AND SURROUNDING AREAS OF ALL RUBBISH OR OBJECTIONABLE MATTER. ALL MORTAR, CEMENT, AND TOXIC MATERIAL SHALL BE REMOVED FROM THE SURFACE OF ALL PLANT BEDS. THESE MATERIALS SHALL NOT BE MIXED WITH THE SOIL. SHOULD THE CONTRACTOR FIND SUCH SOIL CONDITIONS BENEATH THE SOIL WHICH WILL IN ANY WAY ADVERSELY AFFECT THE PLANT GROWTH, HE SHALL IMMEDIATELY CALL IT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE. FAILURE TO DO SO BEFORE PLANTING SHALL MAKE THE CORRECTIVE MEASURES THE RESPONSIBILITY OF THE CONTRACTOR.

- 2. VERIFY LOCATIONS OF ALL UTILITIES, CONDUITS, SUPPLY LINES AND CABLES, INCLUDING BUT NOT LIMITED TO: ELECTRIC, GAS (LINES AND TANKS), WATER, SANITARY SEWER, STORMWATER SYSTEMS, CABLE, AND TELEPHONE. PROPERLY MAINTAIN AND PROTECT EXISTING UTILITIES. CALL NATIONAL ONE CALL - 811 - TO LOCATE UTILITIES.
3. SUBGRADE EXCAVATION: CONTRACTOR IS RESPONSIBLE TO REMOVE ALL EXISTING AND IMPORTED LIMEROCK AND LIMEROCK SUB-BASE FROM ALL LANDSCAPE PLANTING AREAS TO A MINIMUM DEPTH OF 36". CONTRACTOR IS RESPONSIBLE TO BACKFILL THESE PLANTING AREAS TO ROUGH FINISHED GRADE WITH CLEAN TOPSOIL FROM AN ON-SITE SOURCE OR AN IMPORTED SOURCE. IF LIMEROCK OR OTHER ADVERSE CONDITIONS OCCUR IN PLANTED AREAS AFTER 36" DEEP EXCAVATION BY THE CONTRACTOR, AND ADEQUATE PERCOLATION CAN NOT BE ACHIEVED, CONTRACTOR SHALL UTILIZE PLANTING DETAIL THAT ADDRESSES POOR DRAINAGE.
4. FURNISH NURSERY'S CERTIFICATE OF COMPLIANCE WITH ALL REQUIREMENTS AS HEREIN SPECIFIED AND REQUIRED. INSPECT AND SELECT PLANT MATERIALS BEFORE PLANTS ARE DUG AT NURSERY OR GROWING SITE.
5. GENERAL: COMPLY WITH APPLICABLE FEDERAL, STATE, COUNTY, AND LOCAL REGULATIONS GOVERNING LANDSCAPE MATERIALS AND WORK. CONFORM TO ACCEPTED HORTICULTURAL PRACTICES AS USED IN THE TRADE. UPON ARRIVAL AT THE SITE, PLANTS SHALL BE THOROUGHLY WATERED AND PROPERLY MAINTAINED UNTIL PLANTED. PLANTS STORED ON-SITE SHALL NOT REMAIN UNPLANTED FOR A PERIOD EXCEEDING TWENTY-FOUR (24) HOURS. AT ALL TIMES, METHODS CUSTOMARY IN GOOD HORTICULTURAL PRACTICES SHALL BE EXERCISED.
6. THE WORK SHALL BE COORDINATED WITH OTHER TRADES TO PREVENT CONFLICTS. COORDINATE PLANTING WITH IRRIGATION WORK TO ASSURE AVAILABILITY OF WATER AND PROPER LOCATION OF IRRIGATION APPURTENANCES AND PLANTS.
7. ALL PLANTING PITS SHALL BE EXCAVATED TO SIZE AND DEPTH IN ACCORDANCE WITH THE USA STANDARD FOR NURSERY STOCK 260.1, UNLESS SHOWN OTHERWISE ON THE DRAWINGS, AND BACKFILLED WITH THE PREPARED PLANTING SOIL MIXTURE AS SPECIFIED IN SECTION E. TEST ALL TREE PITS WITH WATER BEFORE PLANTING TO ASSURE PROPER DRAINAGE PERCOLATION IS AVAILABLE. NO ALLOWANCE WILL BE MADE FOR LOST PLANTS DUE TO IMPROPER PERCOLATION. IF POOR PERCOLATION EXISTS, UTILIZE "POOR DRAINAGE CONDITION" PLANTING DETAIL. TREES SHALL BE SET PLUMB AND HELD IN POSITION UNTIL THE PLANTING MIXTURE HAS BEEN FLUSHED INTO PLACE WITH A SLOW, FULL HOSE STREAM. ALL PLANTING SHALL BE PERFORMED BY PERSONNEL FAMILIAR WITH PLANTING PROCEDURES AND UNDER THE SUPERVISION OF A QUALIFIED LANDSCAPE FOREMAN. PROPER "JETTING IN" SHALL BE ASSURED TO ELIMINATE AIR POCKETS AROUND THE ROOTS. "JET STICK" OR EQUAL IS RECOMMENDED.

- 8. TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO BUILDINGS AND BUILDING STRUCTURES WHILE INSTALLING TREES.
9. SOIL MIXTURE SHALL BE AS SPECIFIED IN SECTION E OF THESE SPECIFICATIONS.
10. TREES AND SHRUBS SHALL BE SET STRAIGHT AT AN ELEVATION THAT, AFTER SETTLEMENT, THE PLANT CROWN WILL STAND ONE (1) TO TWO (2) INCHES ABOVE GRADE. EACH PLANT SHALL BE SET IN THE CENTER OF THE PIT. PLANTING SOIL MIXTURE SHALL BE BACKFILLED, THOROUGHLY TAMPED AROUND THE BALL, AND SETTLED BY WATER (AFTER TAMPING).
11. AMEND PINE AND OAK PLANT PITS WITH ECTOMYCORRHIZAL SOIL APPLICATION PER MANUFACTURER'S RECOMMENDATION. ALL OTHER PLANT PITS SHALL BE AMENDED WITH ENDOMYCORRHIZAL SOIL APPLICATION PER MANUFACTURER'S RECOMMENDATION. PROVIDE PRODUCT INFORMATION SUBMITTAL PRIOR TO INOCULATION.
12. FILL HOLE WITH SOIL MIXTURE, MAKING CERTAIN ALL SOIL IS SATURATED. TO DO THIS, FILL HOLE WITH WATER AND ALLOW TO SOAK MINIMUM TWENTY (20) MINUTES, STIRRING IF NECESSARY TO GET SOIL THOROUGHLY WET. PACK LIGHTLY WITH FEET. ADD MORE NET SOIL MIXTURE. DO NOT COVER TOP OF BALL WITH SOIL MIXTURE, ONLY WITH MULCH. ALL BURLAP, ROPE, WIRE, BASKETS, ETC., SHALL BE REMOVED FROM THE SIDES AND TOPS OF BALLS, BUT NO BURLAP SHALL BE PULLED FROM UNDERNEATH.

- 13. PRUNING: TREES SHALL BE PRUNED, AT THE DIRECTION OF THE OWNER OR OWNER'S REPRESENTATIVE, TO PRESERVE THE NATURAL CHARACTER OF THE PLANT. ALL SOFT WOOD OR SUCKER GROWTH AND ALL BROKEN OR BADLY DAMAGED BRANCHES SHALL BE REMOVED WITH A CLEAN CUT. ALL PRUNING TO BE PERFORMED BY LICENSED ARBORIST, IN ACCORDANCE WITH ANSI A-300.

- 14. SHRUBS AND GROUND COVER PLANTS SHALL BE EVENLY SPACED IN ACCORDANCE WITH THE DRAWINGS AND AS INDICATED ON THE PLANT LIST. CULTIVATE ALL PLANTING AREAS TO A MINIMUM DEPTH OF 6", REMOVE AND DISPOSE ALL DEBRIS. MIX TOP 4" TO ACHIEVE SOIL MIXTURE AS SPECIFIED IN SECTION E. THOROUGHLY WATER ALL PLANTS AFTER INSTALLATION.

- 15. TREE GUYING AND BRACING SHALL BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH THE PLANS TO INSURE STABILITY AND MAINTAIN TREES IN AN UPRIGHT POSITION. IF THE CONTRACTOR AND OWNER DECIDE TO WAIVE THE TREE GUYING AND BRACING, THE OWNER SHALL NOTIFY THE LANDSCAPE ARCHITECT IN WRITING AND AGREE TO INDEMNIFY AND HOLD HARMLESS THE LANDSCAPE ARCHITECT IN THE EVENT UNSUPPORTED TREES PLANTED UNDER THIS CONTRACT FALL AND DAMAGE PERSON OR PROPERTY.

- 16. MULCHING: PROVIDE A THREE INCH (MINIMUM) LAYER OF SPECIFIED MULCH OVER THE ENTIRE AREA OF EACH SHRUB BED, GROUND COVER, VINE BED, AND TREE PIT PLANTED UNDER THIS CONTRACT.

- 17. HERBICIDE WEED CONTROL: ALL PLANT BEDS SHALL BE KEPT FREE OF NOXIOUS WEEDS UNTIL FINAL ACCEPTANCE OF WORK. IF DIRECTED BY THE OWNER, "ROUND-UP" SHALL BE APPLIED FOR WEED CONTROL BY QUALIFIED PERSONNEL TO ALL PLANTING AREAS IN SPOT APPLICATIONS PER MANUFACTURER'S PRECAUTIONS AND SPECIFICATIONS. PRIOR TO FINAL INSPECTION, TREAT ALL PLANTING BEDS WITH AN APPROVED PRE-EMERGENT HERBICIDE AT AN APPLICATION RATE RECOMMENDED BY THE MANUFACTURER. (AS ALLOWED BY JURISDICTIONAL AUTHORITY)

P. LAWN SODDING

- 1. THE WORK CONSISTS OF LAWN BED PREPARATION, SOIL PREPARATION, AND SODDING COMPLETE, IN STRICT ACCORDANCE WITH THE SPECIFICATIONS AND THE APPLICABLE DRAWINGS TO PRODUCE A TURF GRASS LAWN ACCEPTABLE TO THE OWNER.
2. LAWN BED PREPARATION: ALL AREAS THAT ARE TO BE SODDED SHALL BE CLEARED OF ANY ROUGH GRASS, WEEDS, AND DEBRIS, AND THE GROUND BROUGHT TO AN EVEN GRADE. THE ENTIRE SURFACE SHALL BE ROLLED WITH A ROLLER WEIGHING NOT MORE THAN ONE-HUNDRED (100) POUNDS PER FOOT OF WIDTH. DURING THE ROLLING, ALL DEPRESSIONS CAUSED BY SETTLEMENT SHALL BE FILLED WITH ADDITIONAL SOIL, AND THE SURFACE SHALL BE REGRADED AND ROLLED UNTIL PRESENTING A SMOOTH AND EVEN FINISH TO THE REQUIRED GRADE.
3. SOIL PREPARATION: PREPARE LOOSE BED FOUR (4) INCHES DEEP. HAND RAKE UNTIL ALL BUMPS AND DEPRESSIONS ARE REMOVED. WET PREPARED AREA THOROUGHLY.

4. SODDING

- A. THE CONTRACTOR SHALL SOD ALL AREAS THAT ARE NOT PAVED OR PLANTED AS DESIGNATED ON THE DRAWINGS WITHIN THE CONTRACT LIMITS, UNLESS SPECIFICALLY NOTED OTHERWISE.
B. THE SOD SHALL BE CERTIFIED TO MEET FLORIDA STATE PLANT BOARD SPECIFICATIONS, ABSOLUTELY TRUE TO VARIETAL TYPE, AND FREE FROM WEEDS, FUNGUS, INSECTS AND DISEASE OF ANY KIND.
C. SOD PANELS SHALL BE LAID TIGHTLY TOGETHER SO AS TO MAKE A SOLID SODDED LAWN AREA. SOD SHALL BE LAID UNIFORMLY AGAINST THE EDGES OF ALL CURBS AND OTHER HARDSCAPE ELEMENTS, PAVED AND PLANTED AREAS, ADJACENT TO BUILDINGS, A 24 INCH STONE MULCH STRIP SHALL BE PROVIDED - REFER TO DETAILS. IMMEDIATELY FOLLOWING SOD LAYING, THE LAWN AREAS SHALL BE ROLLED WITH A LAWN ROLLER CUSTOMARILY USED FOR SUCH PURPOSES, AND THEN THOROUGHLY IRRIGATED. IF, IN THE OPINION OF THE OWNER, TOP-DRESSING IS NECESSARY AFTER ROLLING TO FILL THE VOIDS BETWEEN THE SOD PANELS AND TO EVEN OUT INCONSISTENCIES IN THE SOD, CLEAN SAND, AS APPROVED BY THE OWNER'S REPRESENTATIVE, SHALL BE UNIFORMLY SPREAD OVER THE ENTIRE SURFACE OF THE SOD AND THOROUGHLY WATERED IN. FERTILIZE INSTALLED SOD AS ALLOWED BY PROPERTY'S JURISDICTIONAL AUTHORITY.
5. DURING DELIVERY, PRIOR TO, AND DURING THE PLANTING OF THE LAWN AREAS, THE SOD PANELS SHALL AT ALL TIMES BE PROTECTED FROM EXCESSIVE DRYING AND UNNECESSARY EXPOSURE OF THE ROOTS TO THE SUN. ALL SOD SHALL BE STACKED SO AS NOT TO BE DAMAGED BY SWEATING OR EXCESSIVE HEAT AND MOISTURE.
6. LAWN MAINTENANCE:
A. WITHIN THE CONTRACT LIMITS, THE CONTRACTOR SHALL PRODUCE A DENSE, WELL ESTABLISHED LAWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR AND RE-SODDING OF ALL ERODED, SUNKEN OR BARE SPOTS (LARGER THAN 12"x12") UNTIL CERTIFICATION OF ACCEPTABILITY BY THE OWNER'S REPRESENTATIVE. REPAIRED SODDING SHALL BE ACCOMPLISHED AS IN THE ORIGINAL WORK (INCLUDING REGRADED IF NECESSARY).
B. CONTRACTOR RESPONSIBLE FOR ESTABLISHING AND MAINTAINING SOD/LAWN UNTIL ACCEPTANCE BY THE OWNER'S REPRESENTATIVE. PRIOR TO AND UPON ACCEPTANCE, CONTRACTOR TO PROVIDE WATERING/IRRIGATION SCHEDULE TO OWNER. OBSERVE ALL APPLICABLE WATERING RESTRICTIONS AS SET FORTH BY THE PROPERTY'S JURISDICTIONAL AUTHORITY.

Q. CLEANUP

UPON COMPLETION OF ALL PLANTING WORK AND BEFORE FINAL ACCEPTANCE, THE CONTRACTOR SHALL REMOVE ALL MATERIAL, EQUIPMENT, AND DEBRIS RESULTING FROM HIS WORK. ALL PAVED AREAS SHALL BE BROOM-CLEANED AND THE SITE LEFT IN A NEAT AND ACCEPTABLE CONDITION AS APPROVED BY THE OWNER'S AUTHORIZED REPRESENTATIVE.

R. PLANT MATERIAL MAINTENANCE

ALL PLANTS AND PLANTING INCLUDED UNDER THIS CONTRACT SHALL BE MAINTAINED BY WATERING, CULTIVATING, SPRAYING, AND ALL OTHER OPERATIONS (SUCH AS RE-STAKING OR REPAIRING GUY SUPPORTS) NECESSARY TO INSURE A HEALTHY PLANT CONDITION BY THE CONTRACTOR UNTIL CERTIFICATION OF ACCEPTABILITY BY THE OWNER'S REPRESENTATIVE. MAINTENANCE AFTER THE CERTIFICATION OF ACCEPTABILITY SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS IN THIS SECTION. CONTRACTORS ARE REQUESTED TO PROVIDE A BID ESTIMATE TO COVER LANDSCAPE AND IRRIGATION MAINTENANCE FOR A PERIOD OF 90 CALENDAR DAYS COMMENCING AFTER ACCEPTANCE.

S. MAINTENANCE (ALTERNATE BID ITEM)

CONTRACTORS ARE REQUESTED TO PROVIDE A BID ESTIMATE FOR MAINTENANCE FOLLOWING THE INITIAL 90-DAY MAINTENANCE PERIOD ON A COST-PER-MONTH BASIS.

T. FINAL INSPECTION AND ACCEPTANCE OF WORK

FINAL INSPECTION AT THE END OF THE WARRANTY PERIOD SHALL BE ON PLANTING, CONSTRUCTION AND ALL OTHER INCIDENTAL WORK PERTAINING TO THIS CONTRACT. ANY REPLACEMENT AT THIS TIME SHALL BE SUBJECT TO THE SAME ONE (1) YEAR WARRANTY (OR AS SPECIFIED BY THE LANDSCAPE ARCHITECT OR OWNER IN WRITING) BEGINNING WITH THE TIME OF REPLACEMENT AND ENDING WITH THE SAME INSPECTION AND ACCEPTANCE HEREIN DESCRIBED.

U. WARRANTY

- 1. THE LIFE AND SATISFACTORY CONDITION OF ALL 7 GALLON AND LARGER PLANT MATERIAL INSTALLED BY THE LANDSCAPE CONTRACTOR SHALL BE WARRANTED BY THE CONTRACTOR FOR A MINIMUM OF ONE (1) CALENDAR YEAR COMMENCING AT THE TIME OF CERTIFICATION OF ACCEPTABILITY BY THE OWNER'S REPRESENTATIVE.
2. THE LIFE AND SATISFACTORY CONDITION OF ALL OTHER PLANT MATERIAL (INCLUDING SOD) INSTALLED BY THE LANDSCAPE CONTRACTOR SHALL BE WARRANTED BY THE CONTRACTOR FOR A MINIMUM OF ONE (1) CALENDAR YEAR COMMENCING AT THE TIME OF CERTIFICATION OF ACCEPTABILITY BY THE OWNER'S REPRESENTATIVE.
3. REPLACEMENT: ANY PLANT NOT FOUND IN A HEALTHY GROWING CONDITION AT THE END OF THE WARRANTY PERIOD SHALL BE REMOVED FROM THE SITE AND REPLACED AS SOON AS WEATHER CONDITIONS PERMIT. ALL REPLACEMENTS SHALL BE PLANTS OF THE SAME KIND AND SIZE AS SPECIFIED IN THE PLANT LIST. THEY SHALL BE FURNISHED PLANTED AND MULCHED AS SPECIFIED UNDER "PLANTING", AT NO ADDITIONAL COST TO THE OWNER.
4. IN THE EVENT THE OWNER DOES NOT CONTRACT WITH THE CONTRACTOR FOR LANDSCAPE (AND IRRIGATION) MAINTENANCE, THE CONTRACTOR IS ENCOURAGED TO VISIT THE PROJECT SITE PERIODICALLY DURING THE ONE YEAR WARRANTY PERIOD TO EVALUATE MAINTENANCE PROCEDURES BEING PERFORMED BY THE OWNER, AND SHALL NOTIFY THE OWNER IN WRITING OF MAINTENANCE PROCEDURES OR CONDITIONS WHICH THREATEN VIGOROUS AND HEALTHY PLANT GROWTH. IT IS SUGGESTED SUCH SITE VISITS SHALL BE CONDUCTED A MINIMUM OF ONCE PER MONTH FOR A PERIOD OF TWELVE (12) MONTHS FROM THE DATE OF ACCEPTANCE.

Table with 4 columns: No., REVISIONS, DATE, BY. Contains revision tracking information.

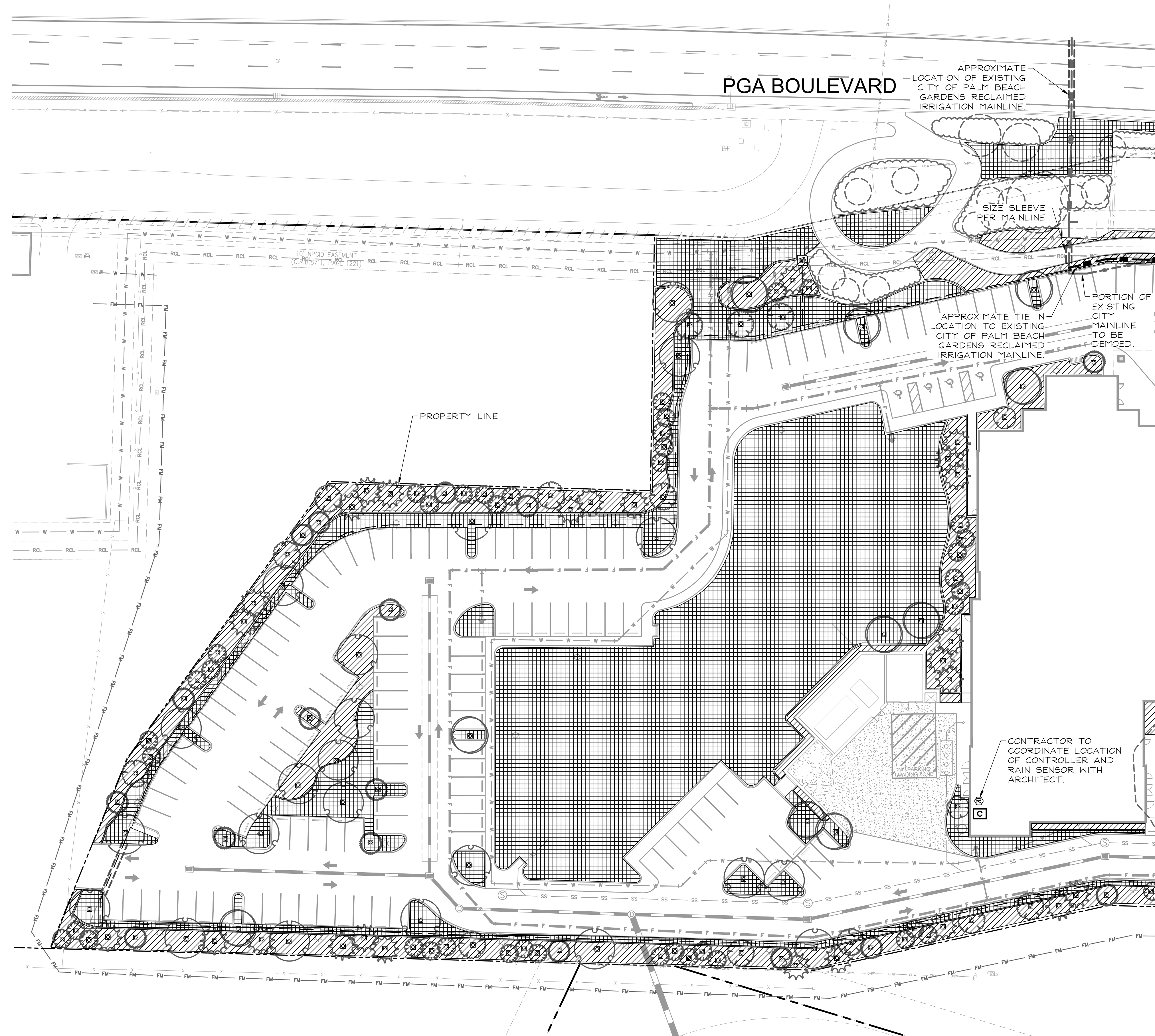
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Table with 4 columns: KHA PROJECT, LICENSED PROFESSIONAL, DATE, SCALE. Includes project details like 048028008 and TRICIA C. RICHTER, PLA.

LANDSCAPE NOTES

ENCOMPASS HEALTH PREPARED FOR ENCOMPASS HEALTH CORPORATION PALM BEACH GARDENS FL

Priced By: Bogenclaf, Alex. Sheet: Set: ENCOMPASS - HEALTH. Layout: L3.00. IRRIGATION PLAN - PHASE 1. February 17, 2022. 11:35:49am. K:\VBB_Development\048028008 - Encompass Health\CADD\PlanSheets\L3.00. IRRIGATION PLAN.dwg
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IRRIGATION SCHEDULE - PHASE 1

SYMBOL	DESCRIPTION
	SHRUB SPRAY
	TURF SPRAY
SYMBOL	MANUFACTURER/MODEL
	Rain Bird 1804-NP-1400 Flood 1401
SYMBOL	MANUFACTURER/MODEL
	Rain Bird PEB-NP-HAN
	Rain Bird ESP8LXME w/ (3) ESPLXMSM12
	Hunter MINI-CLIK
	Water Meter 1-1/2"
	Irrigation Lateral Line: PVC Class 200 SDR 21
	Irrigation Mainline: PVC Schedule 40
	Pipe Sleeve: PVC Schedule 40

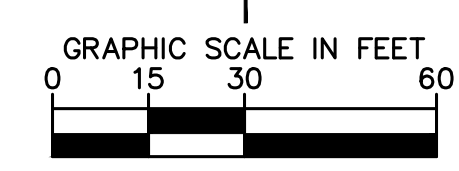
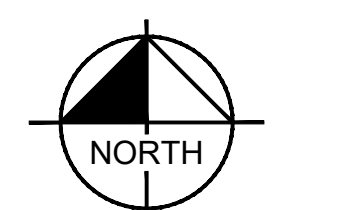


IRRIGATION SYSTEM NOTES

- CONTRACTOR SHALL REFER TO THE IRRIGATION DETAILS, IRRIGATION SCHEDULE, SPECIFICATIONS AND ALL CONTRACT DOCUMENTS FOR FURTHER AND COMPLETE INSTRUCTIONS.
- IRRIGATION QUANTITIES ARE PROVIDED FOR CONVENIENCE. IN THE EVENT OF QUANTITY DISCREPANCIES THE DRAWING SHALL TAKE PRECEDENCE. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT PRIOR TO BIDDING.
- ANY SUBSTITUTIONS FOR SPECIFIED IRRIGATION EQUIPMENT MUST BE APPROVED BY THE LANDSCAPE ARCHITECT OR OWNER'S REPRESENTATIVE IN WRITING PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL FIELD ADJUST LOCATION OF IRRIGATION EQUIPMENT AS NECESSARY TO AVOID DAMAGE TO EXISTING UNDERGROUND UTILITIES AND/OR INTERFERE WITH EXISTING ABOVE GROUND ELEMENTS. ALL FIELD ADJUSTMENTS SHALL BE COMPLETED AT THE CONTRACTOR'S EXPENSE AND SHALL BE COORDINATED WITH THE OWNER'S REPRESENTATIVE AND THE LANDSCAPE ARCHITECT.
- CONTRACTOR SHALL FAMILIARIZE HIM/HERSELF WITH THE LIMITS OF WORK AND EXISTING CONDITIONS AND VERIFY ALL INFORMATION. IF DISCREPANCIES EXIST, CONTRACTOR SHALL NOTIFY OWNER'S REPRESENTATIVE IN WRITING WITHIN SEVEN CALENDAR DAYS OF NOTICE TO PROCEED.
- IRRIGATION PLAN IS DIAGRAMMATIC. EQUIPMENT SHOWN ON IMPERVIOUS SURFACES IS FOR GRAPHIC CLARITY UNLESS OTHERWISE NOTED. CONTRACTOR SHALL INSTALL ALL EQUIPMENT WITHIN LANDSCAPE AREAS IN PROPERTY LIMITS.
- CITY OF PALM BEACH GARDENS IRRIGATION SYSTEM ALONG PGA BLVD TO REMAIN OPERATIONAL THROUGHOUT CONSTRUCTION. ANY DISRUPTION TO SERVICE IS TO BE COORDINATED WITH CITY OF PALM BEACH GARDENS OPERATION STAFF.

THE IRRIGATION SYSTEM IS DESIGNED TO OPERATE WITH A SOURCE PROVIDING 75 GPM AT 70 PSI.

SPRAY HEAD DESIGN PRESSURE: 30 PSI
 BUBBLER DESIGN PRESSURE: 30 PSI



THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE AND OBTAINING ALL NECESSARY PERMITS.

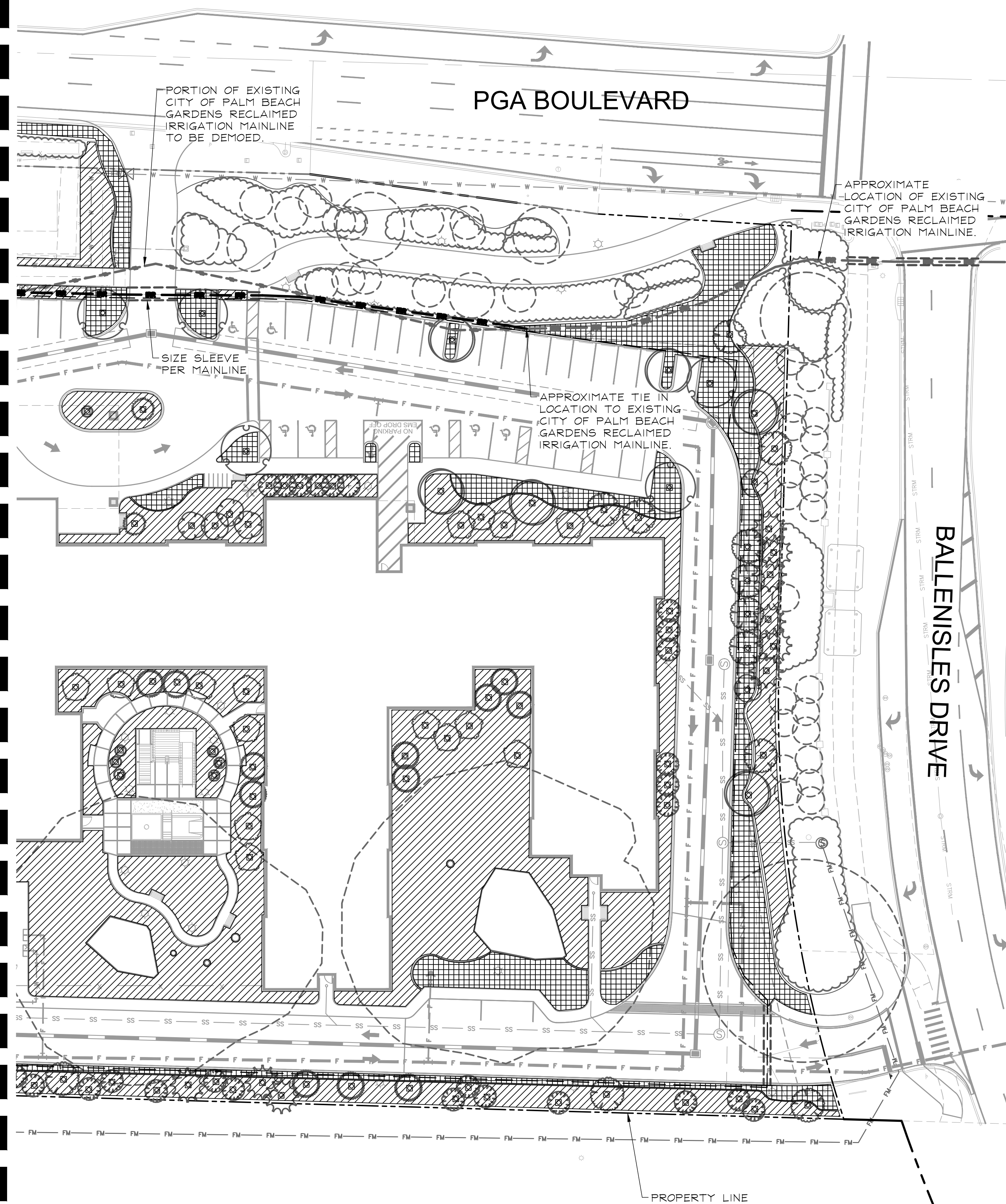
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 SUNSHINE STATE ONE CALL OF FLORIDA, INC.

MATCH LINE - SEE SHEET L2.01

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No.	DATE	BY					
<p>LICENSED PROFESSIONAL</p> <p>TRICIA C. RICHTER, PLA</p> <p>FL LICENSE NUMBER LA#6667244</p> <p>DATE: 2/16/2022</p>	<p>KHA PROJECT 048028008</p> <p>DATE FEB 2022</p> <p>SCALE AS SHOWN</p> <p>DESIGNED BY AVB</p> <p>DRAWN BY AVB</p> <p>CHECKED BY TOR</p>						
<p>IRRIGATION PLAN - PHASE 1</p>							
<p>ENCOMPASS HEALTH PREPARED FOR ENCOMPASS HEALTH CORPORATION</p> <p style="font-size: small;">PALM BEACH GARDENS FL</p>							
<p>SHEET NUMBER L3.00</p>							

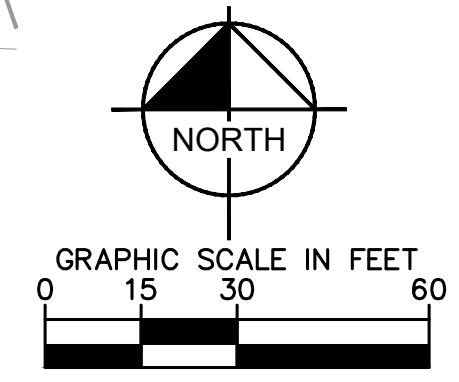
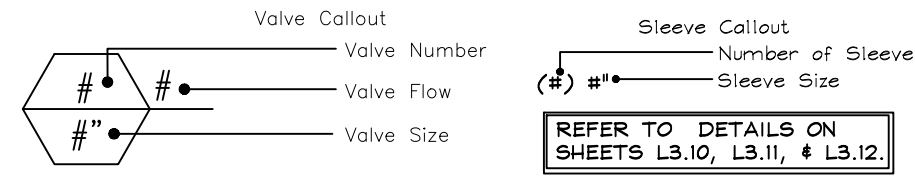
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IRRIGATION SCHEDULE - PHASE 1

SYMBOL	DESCRIPTION	QTY	PSI
	SHRUB SPRAY 4'-15' radius (1,2m-4,6m), triangular spaced, head to head coverage.	50,142 s.f.	
	TURF SPRAY 4'-15' radius (1,2m-4,6m), triangular spaced, head to head coverage.	60,160 s.f.	
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI
	Rain Bird 1804-NP-1400 Flood 1401 Flood Bubbler 4" popup with non-potable purple cap.	230	30
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	
	Rain Bird PEB-NP-HAN 1", 1-1/2", 2" Plastic Industrial Valves. Low Flow Operating Capability, Globe Configuration. With Purple Handle for Non-Potable Water Use.	AS NEEDED	
	Rain Bird ESP8LXME w/ (3) ESPLXMSM12 44 Station, Traditionally-Wired, Commercial Controller. (1) ESP8LXME 8-Station, Indoor/Outdoor, Plastic Wall-Mount Enclosure w/ (3) ESPLXMSM12 - 12-Station Expansion Modules.	1	
	Hunter MINI-CLIK Rain Sensor, mount as noted	1	
	Water Meter 1-1/2" Reclaimed Water Meter	1	
	Irrigation Lateral Line: PVC Class 200 SDR 21 Non-potable purple	AS NEEDED	
	Irrigation Mainline: PVC Schedule 40 Non-potable purple	AS NEEDED	
	Pipe Sleeve: PVC Schedule 40	AS NEEDED	



THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE AND OBTAINING ALL NECESSARY PERMITS.

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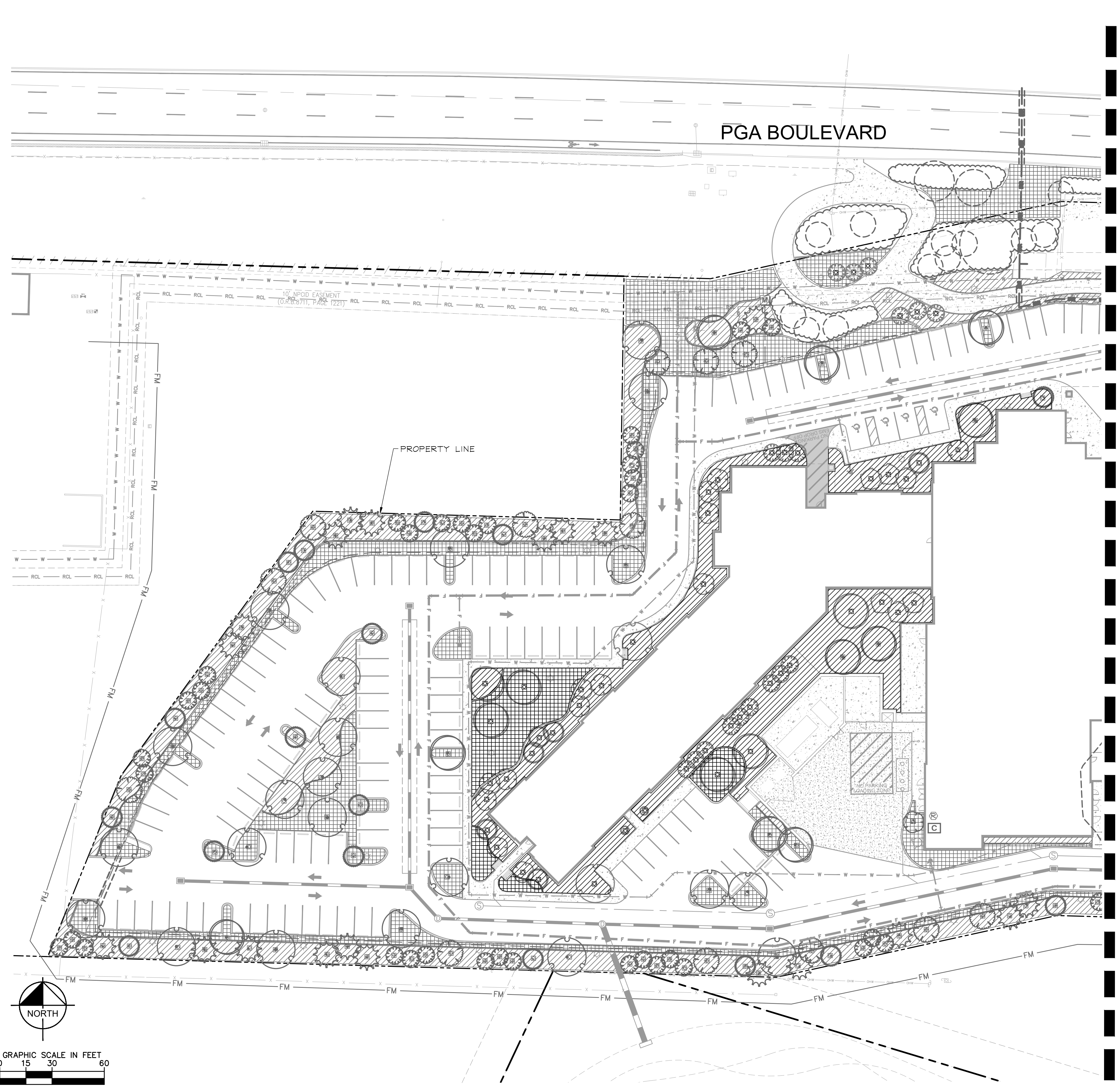
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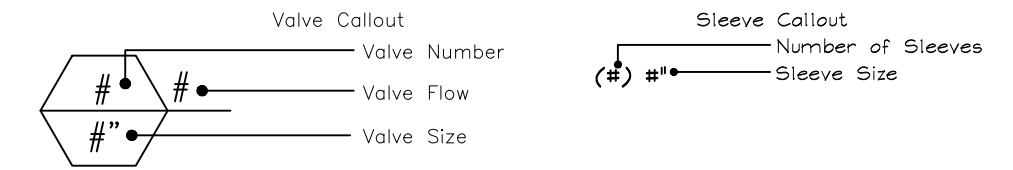
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	KHA PROJECT 048028008 DATE FEB 2022 SCALE AS SHOWN DESIGNED BY AVB DRAWN BY AVB CHECKED BY TOR DATE: 2/16/2022
IRRIGATION PLAN - PHASE 1	
ENCOMPASS HEALTH PREPARED FOR ENCOMPASS HEALTH CORPORATION PALM BEACH GARDENS FL	SHEET NUMBER L3.01
REVISIONS No. DATE BY	

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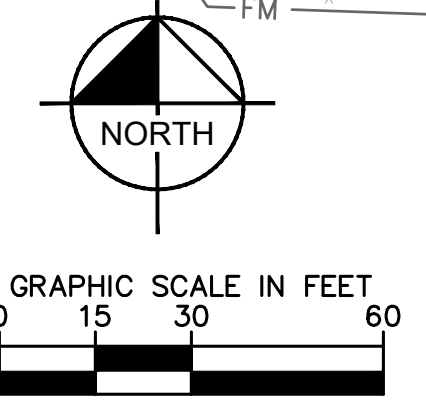


IRRIGATION SCHEDULE - PHASE 2

SYMBOL	DESCRIPTION
	SHRUB SPRAY
	TURF SPRAY
SYMBOL	MANUFACTURER/MODEL
	Rain Bird 1804-NP-1400 Flood 1401
	Rain Bird 1404-1408
SYMBOL	MANUFACTURER/MODEL
	Rain Bird PEB-NP-HAN
	Irrigation Lateral Line: PVC Class 200 SDR 21



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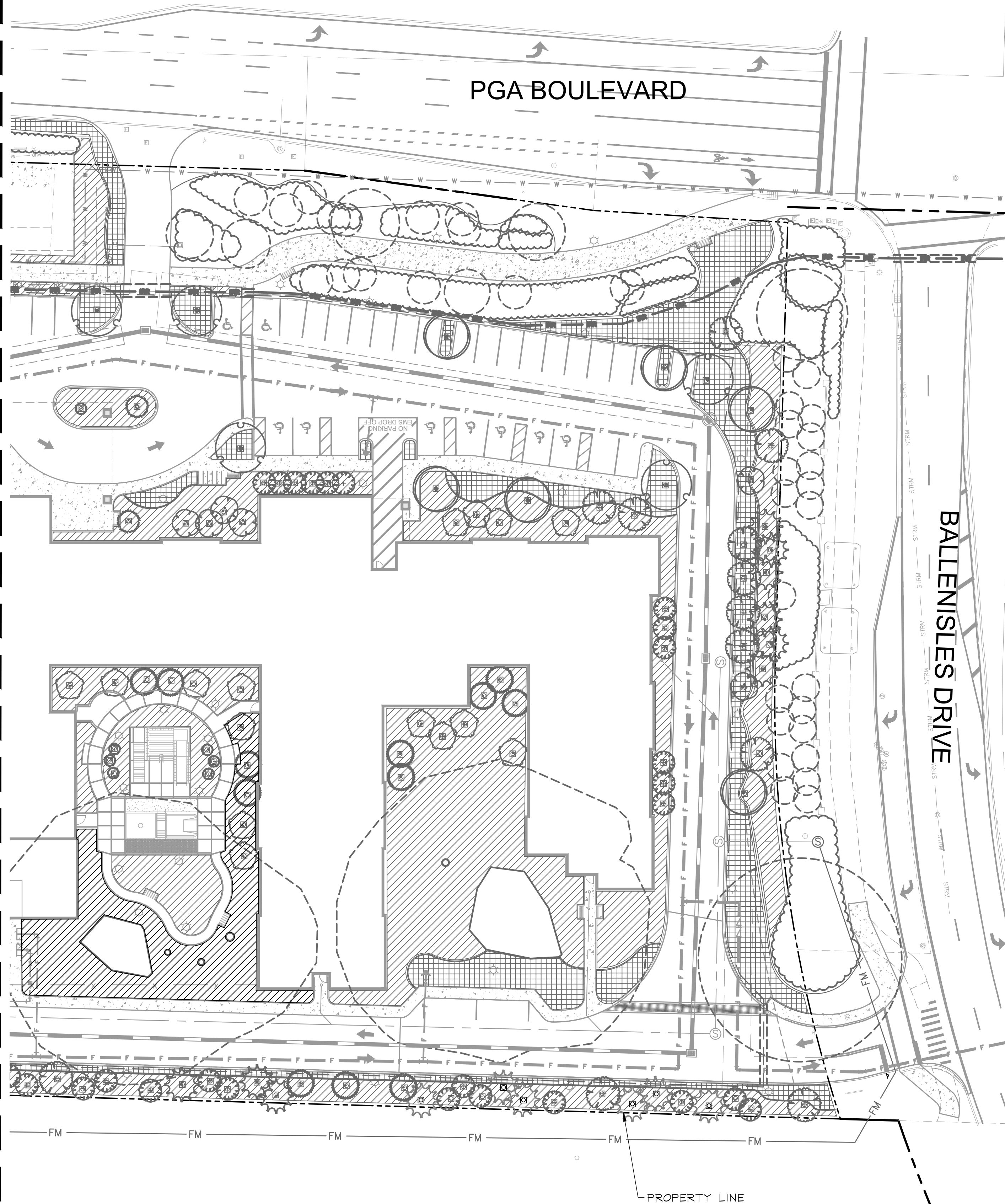
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DATE FEB 2022	SCALE AS SHOWN	DESIGNED BY AVB	DRAWN BY AVB	
TRICIA C. RICHTER, PLA		LA#6667244		REVISIONS
IRRIATION PLAN - PHASE 2		COR		DATE 2/3/2022
ENCOMPASS HEALTH PREPARED FOR ENCOMPASS HEALTH CORPORATION		PALM BEACH GARDENS FL		BY
SHEET NUMBER L3.02				DATE

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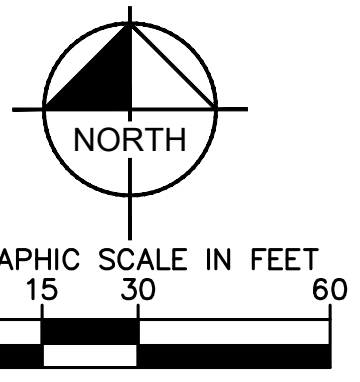


IRRIGATION SCHEDULE - PHASE 2

SYMBOL	DESCRIPTION	QTY	PSI
	SHRUB SPRAY 4'-15' radius (1,2m-4,6m), triangular spaced, head to head coverage.	16,711 s.f.	
	TURF SPRAY 4'-15' radius (1,2m-4,6m), triangular spaced, head to head coverage.	3,565 s.f.	
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI
	Rain Bird 1804-NP-1400 Flood 1401	58	30
	Flood Bubbler 4" popup with non-potable purple cap.		
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	
	Rain Bird PEB-NP-HAN 1", 1-1/2", 2" Plastic Industrial Valves. Low Flow Operating Capability, Globe Configuration. With Purple Handle for Non-Potable Water Use.	AS NEEDED	
	Irrigation Lateral Line: PVC Class 200 SDR 21 Non-potable purple	AS NEEDED	

IRRIGATION CONNECTIONS TO EXISTING SYSTEM

1. THE IRRIGATION CONTRACTOR SHALL SECURE ANY AND ALL NECESSARY PERMITS FOR THE WORK PRIOR TO COMMENCEMENT OF HIS OPERATIONS ON-SITE. COPIES OF THE PERMITS SHALL BE SENT TO THE OWNER/GENERAL CONTRACTOR.
2. WORK IN THE R.O.W. SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF LOCAL AND/OR STATE HIGHWAY JURISDICTION.
3. CONTRACTOR SHALL COORDINATE WITH PROPERTY OWNER FOR OPERATING PARAMETERS OF THE EXISTING SYSTEM.
4. CONTRACTOR SHALL VERIFY CONTROLLER AND MAINLINE POINT OF CONNECTION AT PROJECT SITE WITH PROPERTY OWNER.
5. COORDINATE WITH PLANTING PLAN FOR PLANTER BED LOCATIONS AND TREE LOCATIONS.
6. ALL WIRING SHALL BE OF DIRECT BURIAL COPPER WIRE.
7. IF THE MASTER SYSTEM CANNOT PROVIDE THE PARAMETERS OUTLINED IN THESE PLANS, CONTRACTOR SHALL MAKE ADJUSTMENTS TO THE DESIGN BY ADDING CONTROL VALVES, MAINLINE, AND LATERALS.
8. VERIFY LOCATIONS OF ALL UNDERGROUND UTILITIES PRIOR TO INSTALLATION OF IRRIGATION SYSTEM. ALL UTILITIES AND STRUCTURES MAY NOT BE SHOWN ON THESE PLANS-CONTRACTOR SHALL VERIFY THEIR LOCATION.
9. ALL PRESSURE MAINLINES UNDER ASPHALT PAVEMENT SHALL BE PLACED WITHIN SLEEVES AS NOTED. WHERE ELECTRIC VALVE CONTROL LINES PASS THROUGH A SLEEVE WITH OTHER MAIN OR LATERAL LINES THEY SHALL BE CONTAINED WITHIN A SEPARATE, SMALLER CONDUIT. ALL SLEEVES SHALL BE SIZED TWO PIPE SIZES GREATER THAN PIPE IT CARRIES.
10. CONTRACTOR SHALL PROVIDE "AS-BUILT" DRAWINGS OF THE FINAL INSTALLATION TO OWNER AT SUBSTANTIAL COMPLETION BEFORE RECEIVING FINAL PAYMENT. ALL SLEEVES UTILIZED BY THE IRRIGATION CONTRACTOR, WHETHER INSTALLED BY HIM OR NOT, SHALL BE LOCATED ON THE "AS-BUILT" DRAWINGS. THE DEPTH BELOW FINISH GRADE, TO THE NEAREST FOOT OF EACH END OF EACH SLEEVE SHALL BE NOTED AT EACH SLEEVE LOCATION ON THE "AS-BUILT" DRAWINGS.

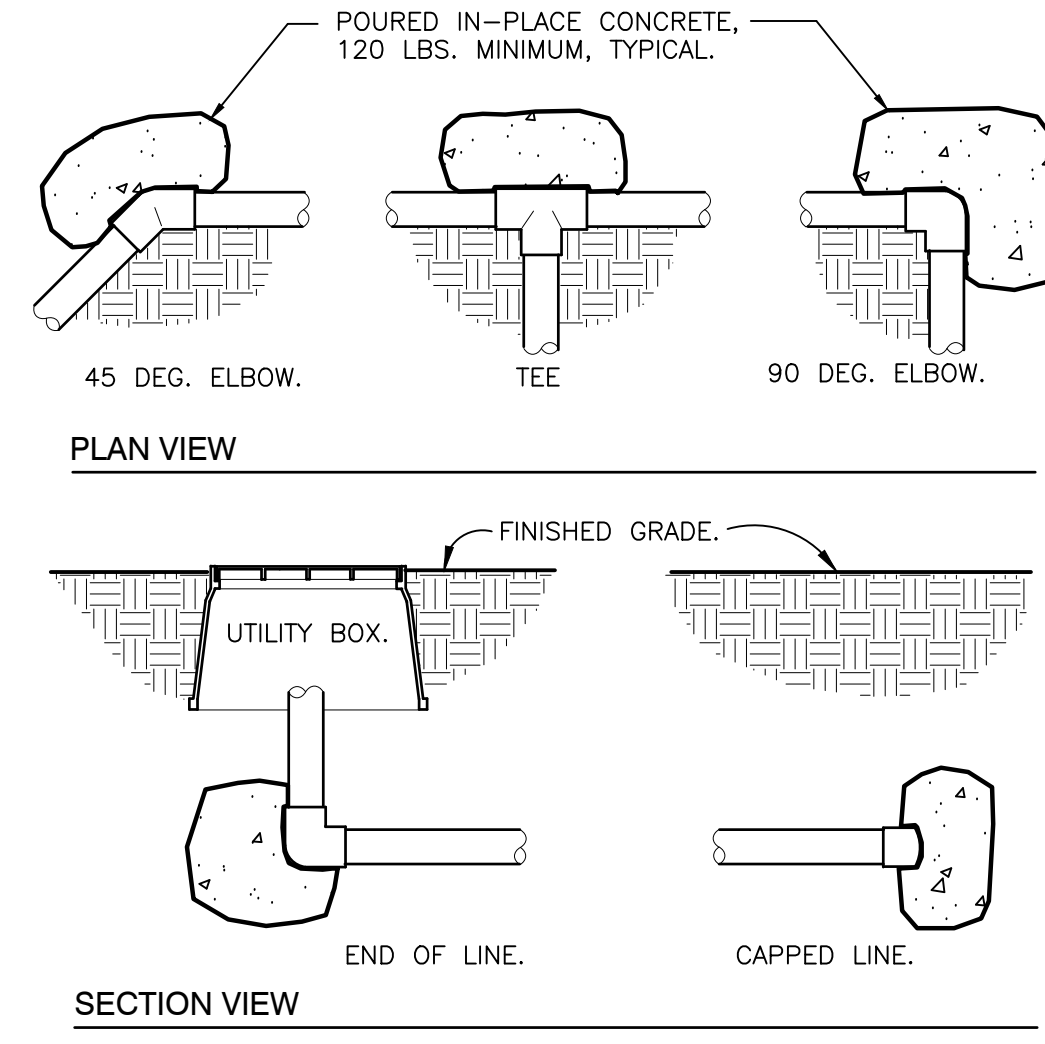


THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE AND OBTAINING ALL NECESSARY PERMITS.

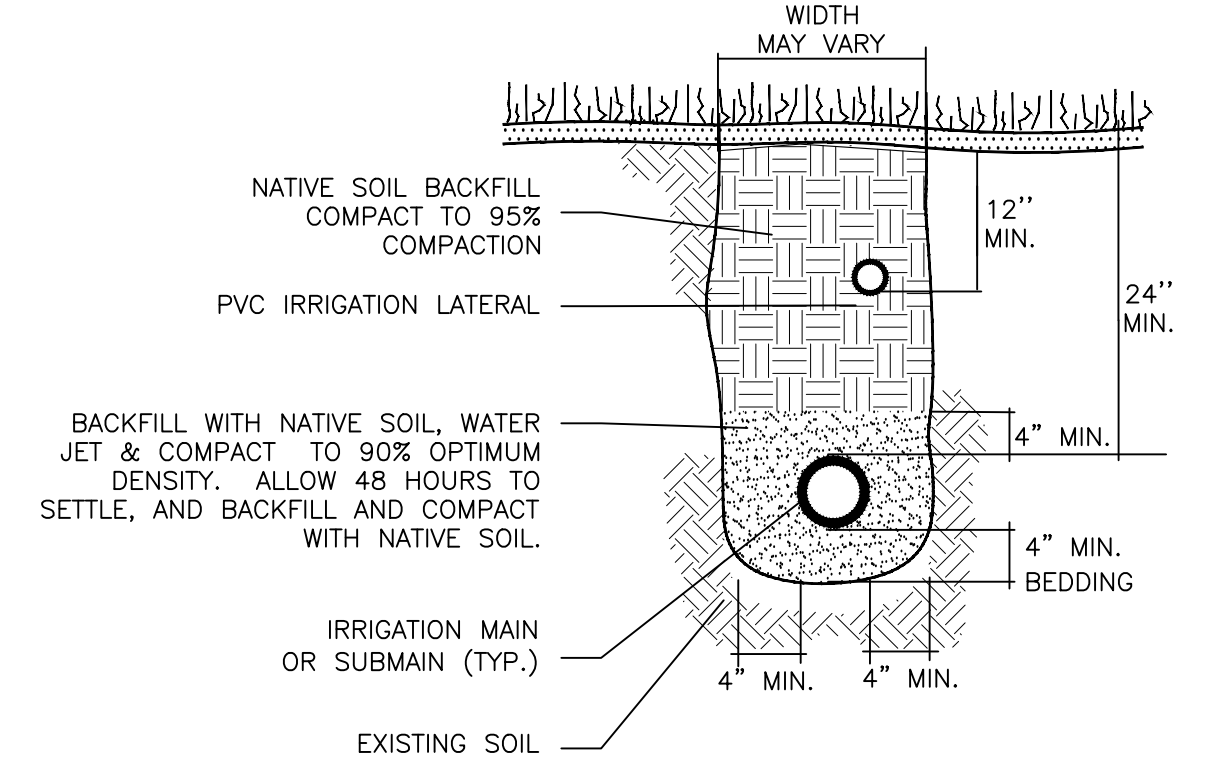
CALL 2 WORKING DAYS BEFORE YOU DIG
811
 IT'S THE LAW!
 DIAL 811
 Know what's below.
 Call before you dig.
 SUNSHINE STATE ONE CALL OF FLORIDA, INC.

Kimley»Horn © 2022 KIMLEY-HORN AND ASSOCIATES, INC. 1920 MEVA WAY, SUITE 200, WEST PALM BEACH, FLORIDA 33411 PHONE: 561-845-1885 FAX: 561-863-8175 WWW.KIMLEY-HORN.COM CA 00060696	LICENSED PROFESSIONAL TRICIA C. RICHTER, PLA FL LICENSE NUMBER LA#6667214	KHA PROJECT 048028008 DATE FEB 2022 SCALE AS SHOWN DESIGNED BY AVB DRAWN BY AVB CHECKED BY TOR DATE 2/3/2022	IRRIGATION PLAN - PHASE 2	ENCOMPASS HEALTH PREPARED FOR ENCOMPASS HEALTH CORPORATION PALM BEACH GARDENS FL	SHEET NUMBER L3.03
	REVISIONS No. DATE BY				

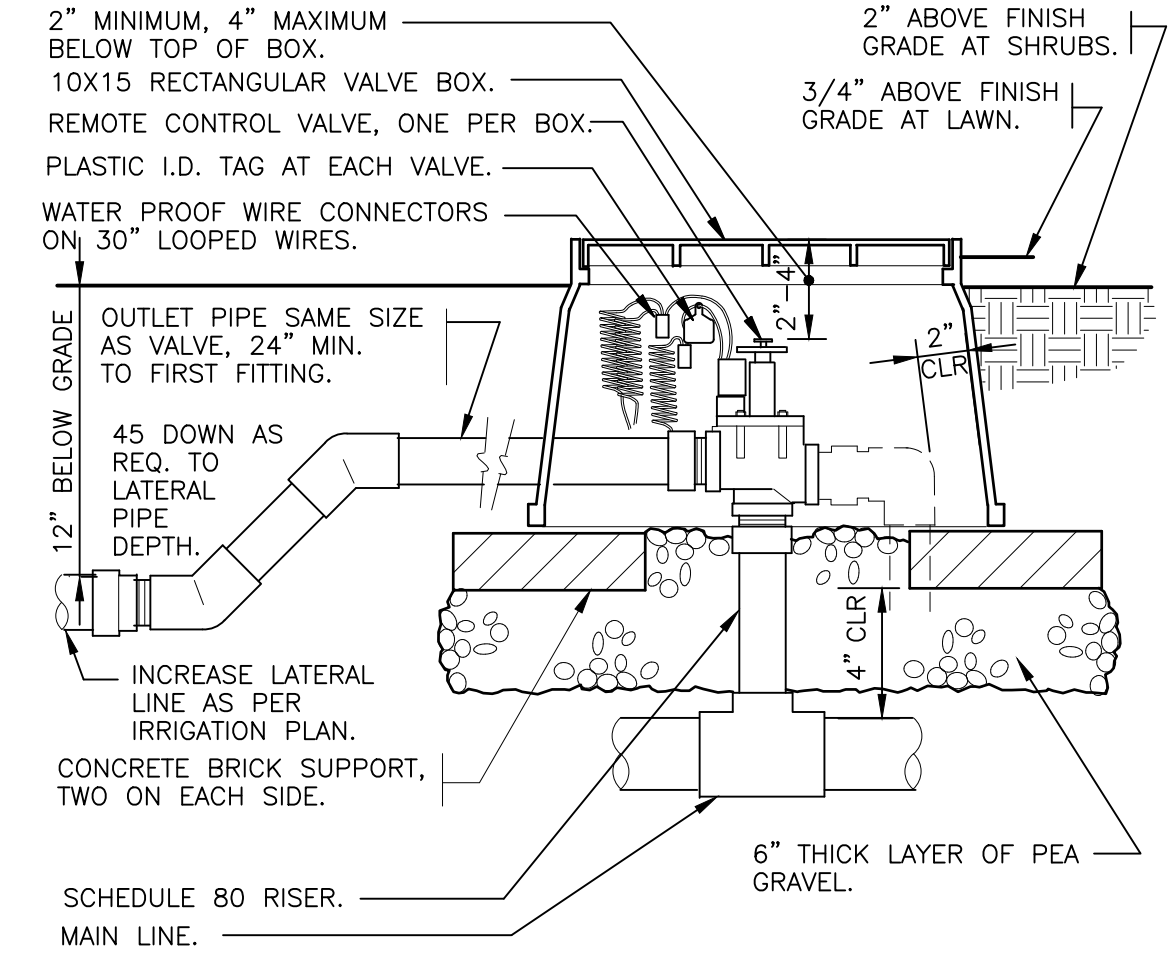
Pictured By: Bogenclaf, Alex. Sheet Set: ENCOMPASS HEALTH. Layout: L3.10. IRRIGATION DETAILS. February 17, 2022. 11:36:28am. K:\WEB_Development\Projects\CADD\Encompass Health\13.10. IRRIGATION DETAILS.dwg
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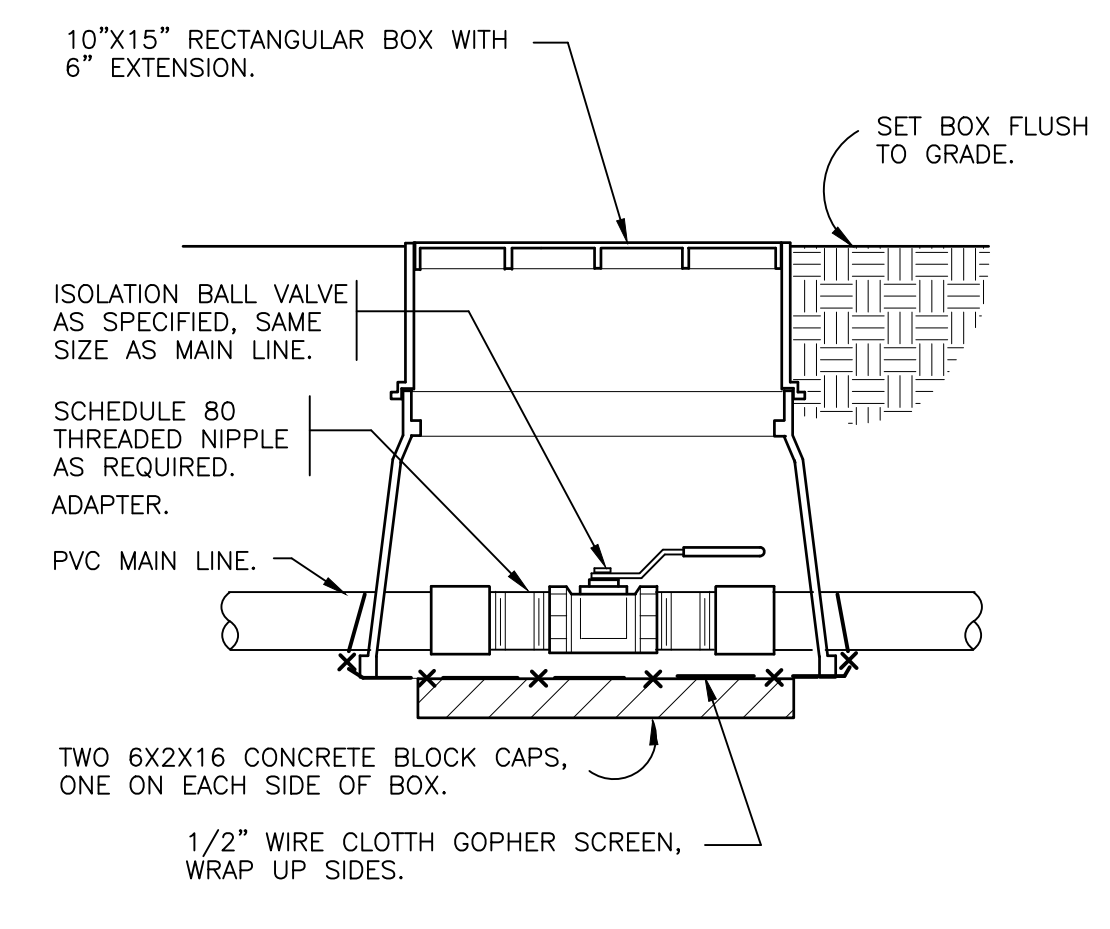
1 THRUST BLOCKING
 3/4" = 1'-0" 32 8409.76-01



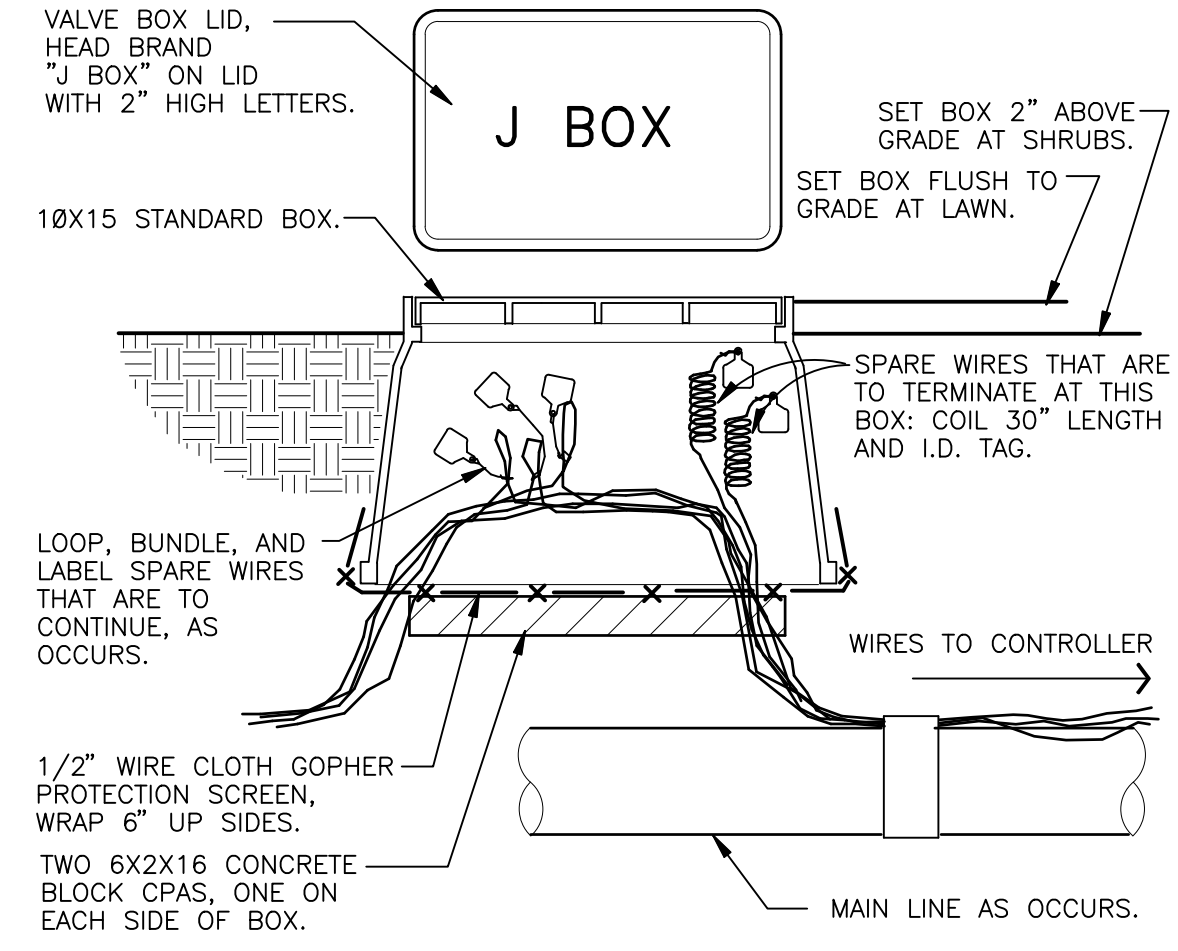
2 TRENCHING DETAIL
 NOT TO SCALE 32 8409.76-03



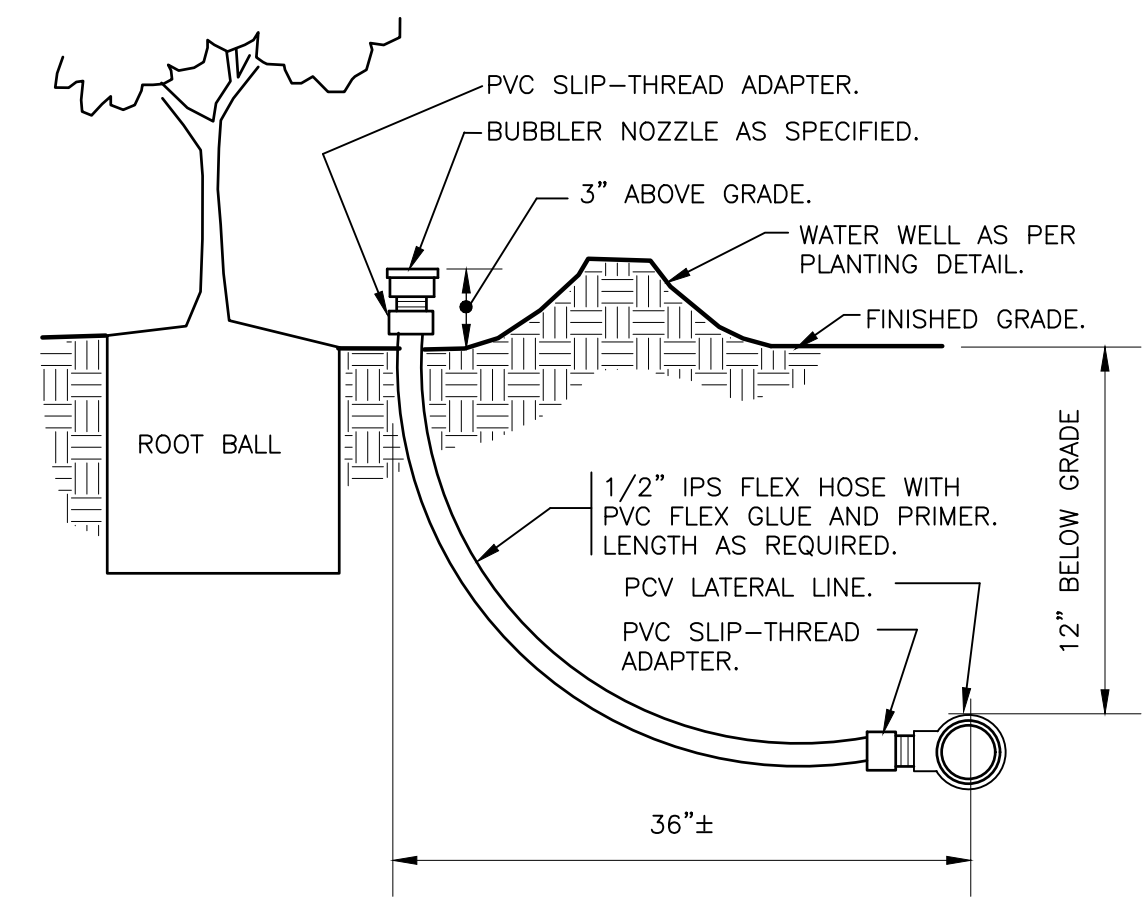
3 ELECTRIC REMOTE CONTROL VALVE
 1 1/2" = 1'-0" 32 8406.13-01



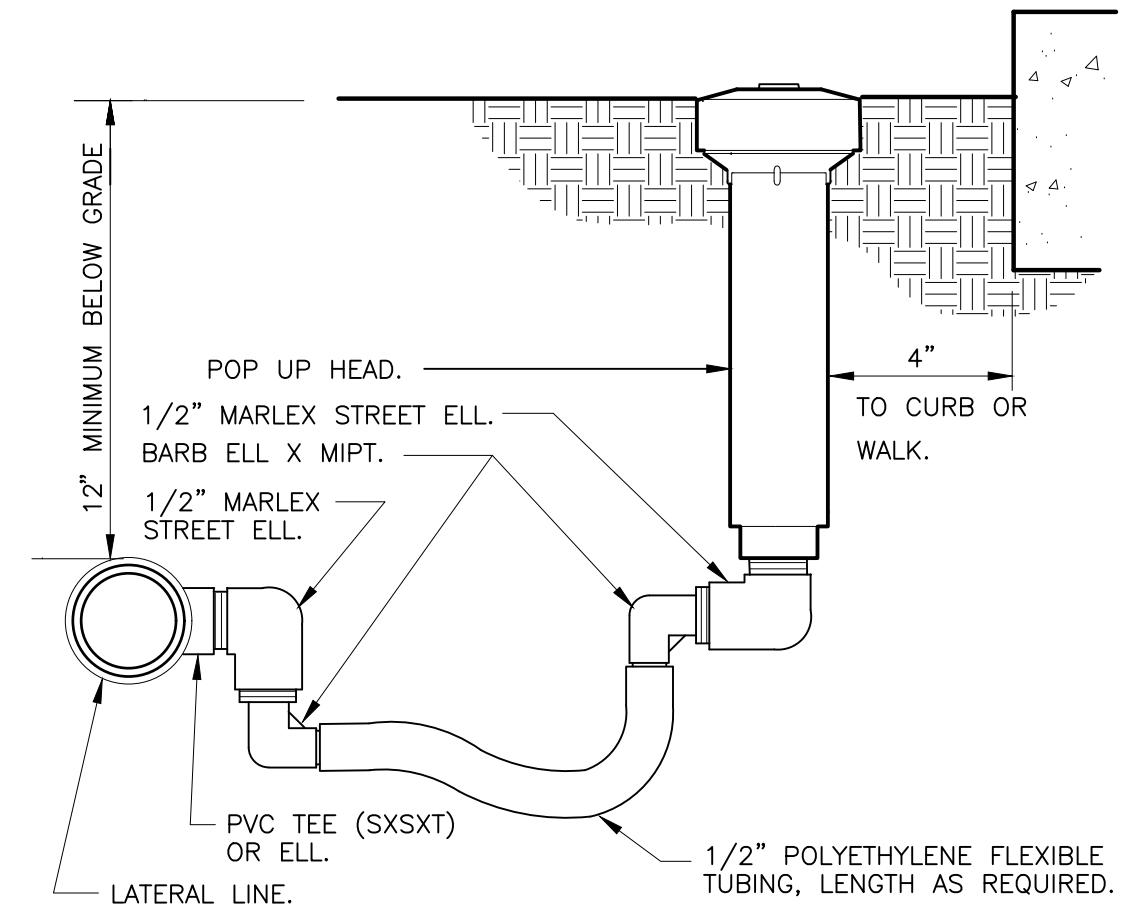
4 BRASS BALL ISOLATION VALVE
 1 1/2" = 1'-0" 32 8406.33-02



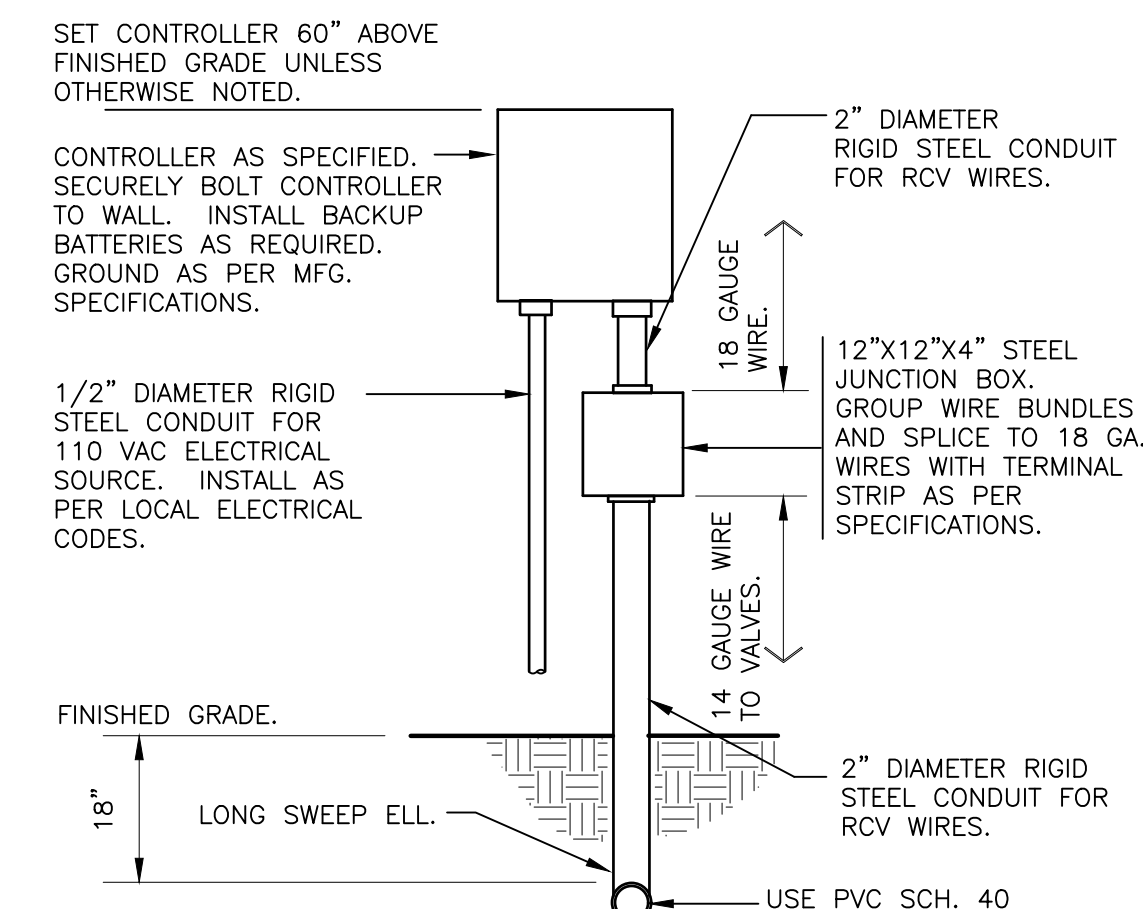
5 WIRE BUNDLE JUNCTION BOX
 1 1/2" = 1'-0" 32 8409.79-01



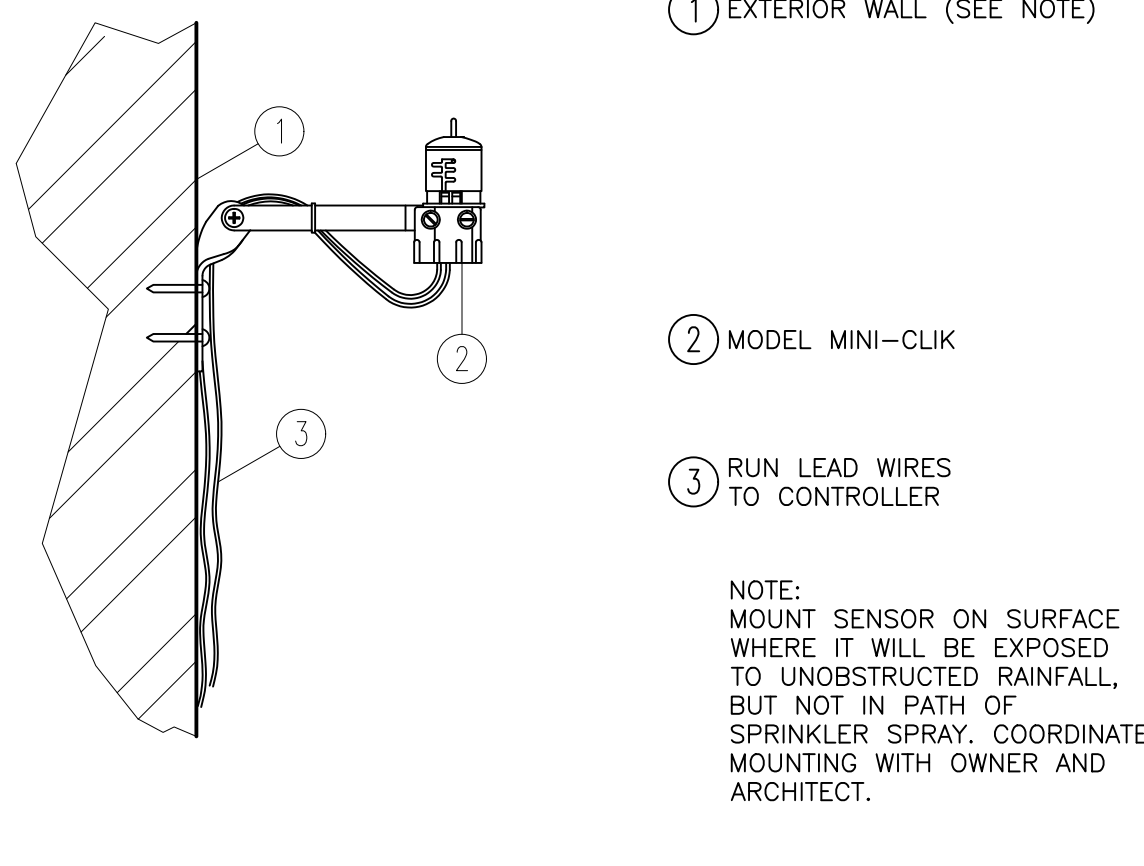
6 BUBBLER ON FLEX HOSE RISER
 3" = 1'-0" DETAIL-FILE



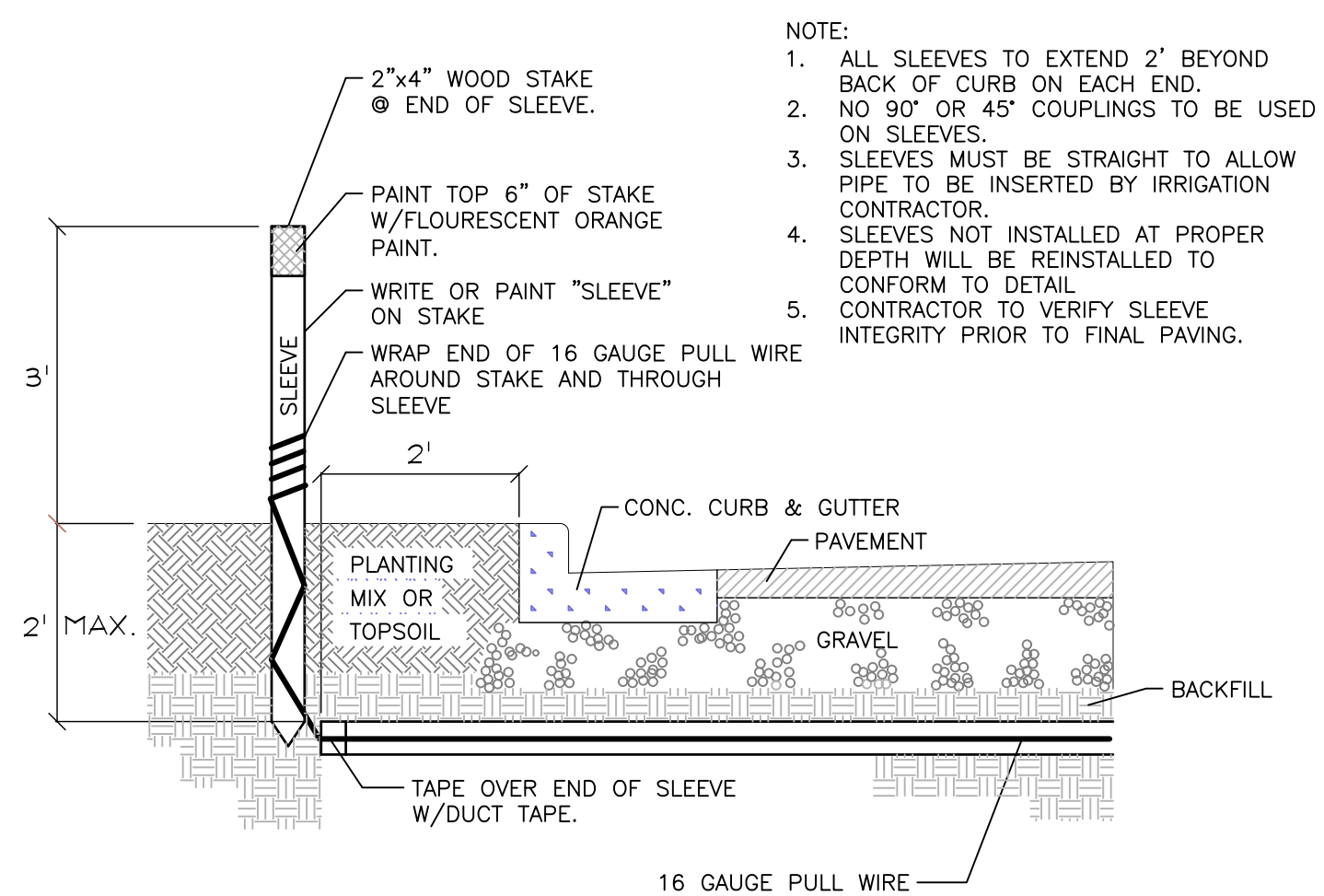
7 POP-UP SPRAY FLEX ASSEMBLY
 3" = 1'-0" 32 8403.13-02



8 WALL MOUNT CONTROLLER
 1" = 1'-0" 328409.13-02



9 RAIN SENSOR
 3" = 1'-0"



10 IRRIGATION SLEEVING
 NTS

KHA PROJECT 048028008		LICENSED PROFESSIONAL	
DATE FEB 2022	SCALE AS SHOWN	TRICIA C. RICHTER, PLA	9/8/2021
DESIGNED BY AVB	DRAWN BY AVB	FL LICENSE NUMBER LA#6667244	CHECKED BY TCR
ENCOMPASS HEALTH PREPARED FOR ENCOMPASS HEALTH CORPORATION		PALM BEACH GARDENS FL	
SHEET NUMBER L3.10		IRRIATION DETAILS	
KIMLEY HORN		© 2022 KIMLEY-HORN AND ASSOCIATES, INC. 1920 MEVA WAY, SUITE 200, WEST PALM BEACH, FLORIDA 33411 PHONE: 561-845-0865 FAX: 561-863-8175 WWW.KIMLEY-HORN.COM CA 00060696	
NO.	REVISIONS	DATE	BY

Priced By: Bogenclerk, Alex. Sheet Set: ENCOMPASS-HEALTH. Layout: L3.12. IRRIGATION NOTES. February 17, 2022. 11:36:31am. K:\A\WEB_Dev_Services\CADD\Pipes\Sheet\3.10_IRRIGATION_DETAILS.dwg. Enccompass - Bollenstein\CADD\Pipes\Sheet\3.10_IRRIGATION_DETAILS.dwg. This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

2.09 AUTOMATIC CONTROL VALVE

The automatic remote control valves shall be as specified on the plans, or approved equal.

2.10 GATE VALVES

- A. Gate valves for 3/4" through 2-1/2" shall be of brass or bronze construction, solid wedge, IPS threads, non-rising stem with wheel operating handle, for a continuous working pressure of 150 PSI.
B. Gate valves for 3" and larger: Iron body, brass or bronze mounted ANWA gate valves, with a clear waterway equal to the full nominal diameter of the valve, rubber gasket for a continuous working pressure of 150psi. Valve shall be equipped with a square operating nut.

2.11 VALVE BOXES

- A. For gate valves, use AMETEK #10-181-014 box with #10-181-015 locking lid, or as per the drawings.
B. For control valves 3/4" through 2", the drip valve assemblies, use AMETEK #10-181-014 box with #10-181-015 locking lid, or sized as necessary to effectively house the equipment
C. For control wiring splices, use AMETEK #10-181-014 box with #10-181-015 locking lid, or as per the drawings.

2.12 IRRIGATION WIRING

- A. Wiring used for connecting the electric control valves to the controllers shall be Type UF, 600 volt, single strand, solid copper with PVC insulation 4/64" thick. Size shall be 14 gauge, red for "hot" or lead wires, and common wire to be 14 gauge, white in color.
B. Contractor shall perform an ohm test on ground to assure adequate protection against surges and indirect lightning strikes.

2.13 MISCELLANEOUS MATERIALS

- A. Drainage Backfill: Cleaned gravel or crushed stone, graded from 1" maximum to 3/4" minimum.
B. Metalized Underground Tape: The detectable, underground utility marking tape shall consist of a minimum: 5 mil (0.005") overall thickness; five-ply composition; ultra-high molecular weight, 100% virgin polyethylene; acid, alkaline and corrosion resistant; with no less than 150 pounds of tensile break strength per 6" width; color-code impregnated with color stable, lead-free, organic pigments suitable for direct burial. Tapes utilizing reprocessed plastics or resins shall not be acceptable. The detectable, underground utility marking tape shall have a 35 gauge (0.0035") solid aluminum foil, core encapsulated within a 2.55 mil (0.00255") polyethylene backing and a 0.6 mil (0.006") PET cover coating. The laminate on each side shall consist of a 0.75 mil (0.00075") layer of hot LPDE, poly-fusing the "sandwich" without use of adhesives.

2.14 AUTOMATIC CONTROL SYSTEM

An Independent Station Controller: Furnish a solid state controller, as specified on the plans. Each station shall be capable of timing from zero (0) minute to 99 minutes per station in one (1) minute increments.

Each station shall be capable of operating two (2) 7VA electric valve-in-head solenoids.

The stand-alone controller shall have two (2) possible programs.

The stand-alone controller shall provide global percentage increase/decrease (water budget) for all stations simultaneously, from ten (10) to two hundred (200) percent, in ten (10) percent increments.

All stations shall be able to be turned on/off manually by operating timing mechanism or by manual switch at station output.

The stand-alone controller shall incorporate an integral MOV surge protection into the terminal block for each of its 24 VAC field wire outputs. Controller power input wires will also incorporate surge protection.

The control panel shall provide continuous display time. It shall have alphanumeric displays of descriptive English menus and legend identifiers with cursor selection of function and precision value adjustment by rotary dial input.

The stand-alone controller shall be UL listed and FCC approved.

The stand-alone controller shall have 117 VAC, 60 Hz input, 26.5 VAC, 60 Hz output for operating 24 VAC solenoids.

The stand-alone controller cabinet shall be a lockable and weather-resistant outdoor cabinet. Mount as noted on plans.

The controller shall be equipped with lightning protection, by the Contractor, on both the primary (120v) and each secondary (24v) circuit. The controller circuits shall be grounded to a copper clad grounding rod located at each controller.

The controller shall be equipped for a water conservation device, as specified.

PART III: EXECUTION

3.01 INSPECTION

The Contractor shall examine the areas and conditions under which landscape irrigation system is to be installed and notify the Landscape Architect in writing of conditions detrimental to the proper and timely completion of the work. The Contractor shall proceed with the work until unsatisfactory conditions have been corrected in a manner acceptable to the Landscape Architect.

3.02 PREPARATION

The Contractor shall provide sleeves to accommodate piping under walks or paving. The Contractor shall coordinate with other trades and install to accurate levels prior to paving work. Cutting and patching of paving and concrete will not be permitted. The Contractor shall maintain all warning signs, shoring, barricades, flares and red lanterns, as required by any local codes, ordinances or permits.

3.03 TRENCHING AND BACKFILLING

- A. Excavation: The Contractor shall stake out the location of each run of pipe, sprinkler heads, sprinkler valves and isolation valves prior to trenching. Excavation shall be open vertical construction sufficiently wide to provide free working space around the work installed and to provide ample space for backfilling and tamping. Trenches for pipe shall be cut to required grade lines, and compacted to provide accurate grade and uniform bearing for the full length of the line. The bottom of the trenches shall be free of rock or other sharp edged objects. Minimum cover shall be as follows:

Table with 2 columns: Pipe and Wire Depth, and corresponding measurements for Pressure Mainline, Lateral Piping (rotor), Lateral Piping (pop-up), and Control Wiring.

- B. Minimum Clearances: All pipelines shall have a minimum clearance of six inches from each other and from lines of other crafts. Parallel lines shall not be installed directly over one another. No lateral line shall be installed in the main-line trench.

3.04 INSTALLATION OF PIPING

- A. PVC Pipe and Joints: The Contractor shall not install solvent wild pipe when air temperature is below 40° F. Installation shall be in accordance with the manufacturer's instructions.
1. Only the solvent recommended by the pipe manufacturer shall be used. All PVC pipe and fittings shall be installed as outlined and instructed by the pipe manufacturer, and it shall be the Contractor's full responsibility to make arrangements with the pipe manufacturer for any field assistance that may be necessary. The Contractor shall assume full responsibility for the correct installation.

3.05 BACKFILLING PROCEDURES

Initial backfill on PVC lines shall be pulverized native soil, free of foreign matter. Within radius of 4" of the pipe shall be clean soil or sand. Plant locations shall take precedence over sprinkler and pipe locations. The Contractor shall coordinate the location of trees and shrubs with the routing of lines and final head locations.

- A. Backfill and Compaction: The Contractor shall leave trenches slightly mounded to allow for settlement after the backfilling is completed. The Contractor shall clean the site of the work continuously of excess waste materials as the backfilling progresses, and leave in a neat condition. No trenches shall be left open for a period of more than 48 hours. Protect open trenches as required.

The Contractor shall carefully backfill excavated materials approved for backfilling, consisting of earth, loam, sand, and other approved materials, free of rock and debris over 1" in size. Backfill shall be compacted to original density of surrounding soil without dips, sunken areas, or irregularities.

The Contractor shall conform to DOT requirements for methods and required compaction percentages, for roads and paving.

The Contractor shall hand place the first 6" of backfill (or to top of pipe) and have it walked on so as to secure the position of the pipe and wire.

No wheel rolling will be allowed. The Contractor shall remove rock or debris extracted from backfill materials and dispose of offsite. The Contractor shall fill any voids left in backfill with approved backfill materials.

- B. Existing Lawns: Where trenching is required across existing lawns, uniformly cut strips of sod 6" wider than trench. The Contractor shall remove sod in rolls of suitable size for handling and keep moistened until replanted. The Contractor shall replant sod within 48 hours after removal, roll and water generously. The Contractor shall resod any areas not in healthy condition equal to adjoining lawns 10 days after replanting.

- C. Seeded Area: Trenching will be required across existing seeded areas, primarily roadway edging. The Contractor shall conform to the requirements of seeding, Section 02930 for the reseeding of the disturbed trench area.

- D. Pavements: Jack and bore or directional bore piping under paving materials as per local regulatory codes. No cutting and patching of pavement will be permitted.

3.06 VALVES

- A. Isolation Valves: Shall be sized corresponding to adjacent pipe size. Specified valve boxes shall be installed flush with finish grade in such a manner that surface forces applied to their exposed area will not be transmitted to the piping in which the valve is installed nor any other piping, wiring or other lines in the vicinity of said valves.

- B. Gate Valves: Install where shown, in valve boxes.

- C. Electric Control Valves: Shall be installed in specified valve boxes. The valve shall have 6" of 3/4" pea gravel installed below the bottom of the valve. If the valve box does not extend to the base of the valve, a valve box extension shall be installed. Electric control valves shall be installed where shown and grouped together where practical. The Contractor shall place no closer than 24" to walk edges, bikeway edges, buildings and walls. The Contractor shall adjust the valve to provide flow rate or rated operating pressure required for each sprinkler circuit.

3.07 CONDUIT AND SLEEVES

- A. Conduit and Sleeves for Control Wiring and Main/Lateral Pipe: The Contractor shall provide and install where necessary. Contractor shall coordinate locations of previously installed sleeving with the General Site Contractor.

The Contractor shall coordinate installation of sleeves with work of other disciplines.

3.08 CONTROLS

- A. The Contractor shall connect electric control valves to controllers in a clockwise sequence to correspond with station settings beginning with Stations 1, 2, 3, etc. Automatic controllers shall be provided and installed by the Contractor as noted on the drawings. All zones will be labeled on the controller.

- B. Controllers shall be equipped with lightning protection and grounded to a standard 5/8" copper clad steel ground rod driven a minimum of 8' into the ground and clamped.

- C. The electrical service to the controllers shall be performed by an electrical subcontractor in compliance with NEC requirements.

3.09 CONTROL WIRE

- A. Control wiring between the controller and electric valves shall be buried in main line trenches or in separate trenches. Electrical connection at valve will allow for pigtail so solenoid can be removed from valve with sufficient slack to allow ends to be pulled 12" above ground for examination and cleaning.

- B. An expansion loop shall be provided at every valve at 100' o.c. Expansion loop shall be formed by wrapping wire at least eight times around a 3/4" pipe and withdrawing pipe.

- C. The wire shall be bundled and taped every ten feet. The wire shall be laid in the trench prior to installing the pipe being careful to install wire beneath and 6" to the side of the main pipe line.

- D. Electrical connections to electric control valves shall be made with Rainbird Pen-Tite or Techdel GT-3-GEL - Tite connectors or equal.

Power Connections: Electrical connections to power and signal wires shall be made using 3M 82-A2 power cable splice kits.

3.10 SPRINKLER HEADS

A. General Provisions:

- 1. Sprinkler heads shall be installed as designated on the shop drawings. Heads shall be installed on flexible PVC. Top to be flush with finish grade or top of curb.

- 2. Spacing of heads shall not exceed the maximum indicated on the shop drawings (unless directed by the Landscape Architect). In no case shall the spacing exceed the maximum recommended by the manufacturer.

B. Head Types:

- 1. Pop-up- Rotary Sprinkler Heads: Shall be installed on flex joint and be set with top of head flush with finish grade. Heads installed at curb shall have 6" to 10" between perimeter of head and concrete. Heads placed at edge of pavement having no curb shall be installed 24" from edge of pavement.

- 2. Spray Pop-up Sprinkler Heads: Shall be installed on flexible PVC and be set with top of head flush with finished grade. Sprinkler heads placed adjacent to curbs will be installed 9" from concrete. Sprinkler heads placed adjacent to pavement having no curb shall be installed 24" from the edge of pavement.

3.11 COMPLETION

- A. Flushing: Before sprinkler heads are set, the Contractor shall flush the lines thoroughly to make sure there is no foreign matter in the lines.

The Contractor shall flush the main lines from dead end fittings for a minimum of five minutes under a full head of pressure.

- B. Testing: The Contractor shall notify Landscape Architect and Owner forty-eight (48) hours in advance of testing.

Prior to backfilling of main line fittings, Contractor shall fill the main line piping with water, in the presence of the Owner/Landscape Architect, taking care to purge the air from it by operating all the sprinkler control valves one or more times and/or such other means as may be necessary. A small, high pressure pump or other means of maintaining a continuous water supply shall be connected to the main line and set so as to maintain 100 PSI in the main line system for two (2) hours without interruption. When this has been accomplished and while the pressure in the system is still 100 PSI, leakage testing shall be performed in accordance with ANWA Standard C-600. Pressure readings shall be noted and make up water usage shall be recorded. Should the rate of make up water usage indicate significant leakage, the source of such leakage shall be found and corrected and the system then retested until the Owner/Landscape Architect is satisfied that the system is reasonably sound. Lateral line testing shall be conducted during the operating testing of the system by checking visually the ground surface until no leaks in this portion of the system are evident. Leaks shall be repaired or paid for by the Contractor at any time they appear during the warranty period.

- C. Adjustment and Coverage of System: Coordinate pressure testing with adjustments and coverage test of system so both may occur at the same time. The Contractor shall balance and adjust the various components of the system so that the overall operation of the system is most efficient. This includes a synchronization of the controllers, adjustments to pressure regulators, pressure relief valves, part circle sprinkler heads, and individual station adjustments on the controllers.

3.12 WARRANTY

- A. The Contractor shall fully warrant the landscape irrigation system for a period of one (1) year after the written final acceptance and will receive a written confirmation from the Landscape Architect that the warranty period is in effect.

- B. During the warranty period, the Contractor will enforce all manufacturer's and supplier's warranties as if made by the Contractor himself. Any malfunctions, deficiencies, breaks, damages, disrepair, or other disorder due to materials, workmanship, or installation by the Contractor and his suppliers shall be immediately and properly corrected to the proper order as directed by the Owner and/or Landscape Architect.

- C. Any damages caused by system malfunction shall be the responsibility of the Contractor who shall make full and immediate restoration for said damages.

Table with columns: No., REVISIONS, DATE, BY

Kimley >>> Horn logo and contact information: 1920 MEKAWAY WAY, SUITE 200, WEST PALM BEACH, FLORIDA 33411. PHONE: 561-845-0865. FAX: 561-863-8175. WWW.KIMLEY-HORN.COM CA 00060696

LICENSED PROFESSIONAL TRICIA C. RICHTER, PLA. FL LICENSE NUMBER LA#6667244. DATE: 1/26/2022

Table with columns: KHA PROJECT, DATE, SCALE, DESIGNED BY, DRAWN BY, CHECKED BY

IRRIGATION NOTES

ENCOMPASS HEALTH PREPARED FOR ENCOMPASS HEALTH CORPORATION PALM BEACH GARDENS FL