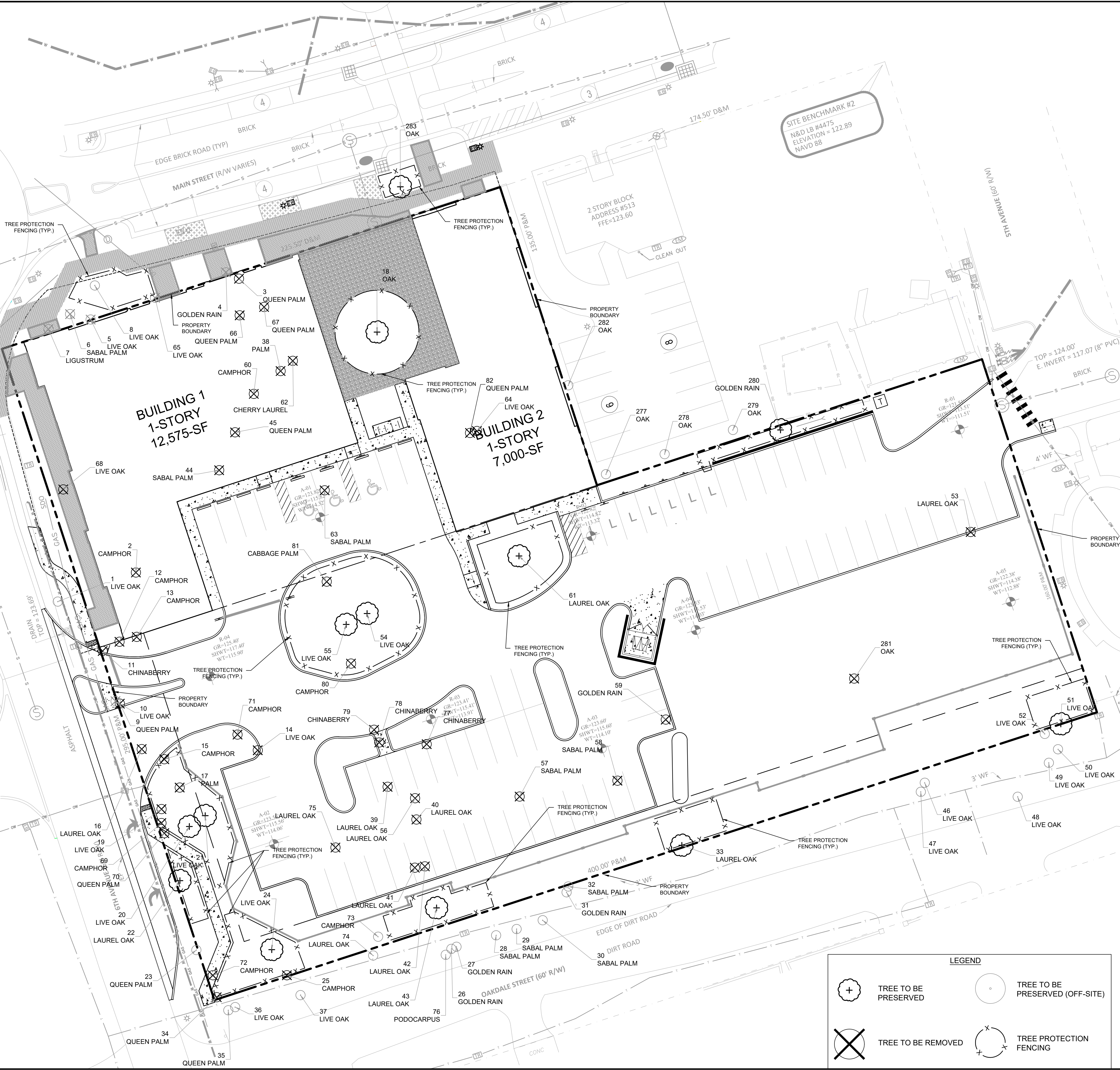


Plotted By: Ceiber, Marcus. Sheet Set: Windermere Downtown Property. Layout: L0.50 TREE MITIGATION PLAN. May 03, 2023. 06:39:20pm. K:\ORL\_EWA\14975004-Windermere Downtown Property\CADD\CONSTRUCTION\0.50 - TREE MITIGATION PLAN.dwg  
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**IT'S THE LAW! DIAL 811**  
  
 Know what's below.  
 Call before you dig.  
SUNSHINE STATE ONE CALL OF FLORIDA, INC.

WINDERMERE DOWNTOWN TREE MITIGATION CHART					
Tree Number	Species	DBH	Status	Reason	Location
1	LIVE OAK	15	PRESERVE		OFF-SITE
2	CAMPHOR	30	REMOVE	PROP. BUILDING	ONSITE
3	QUEEN PALM	9	REMOVE	PROP. BUILDING	ONSITE
4	GOLDEN RAIN	23	REMOVE		OFF-SITE
5	LIVE OAK	29	REMOVE	PROP. BUILDING	OFF-SITE
6	SABAL PALM	19	REMOVE		OFF-SITE
7	LIGUSTRUM	11	REMOVE	PROP. BUILDING	OFF-SITE
8	LIVE OAK	25	PRESERVE		OFF-SITE
9	QUEEN PALM	8	REMOVE	INGRESS/EGRESS	ONSITE
10	QUEEN PALM	9	REMOVE	INGRESS/EGRESS	OFF-SITE
11	CHINABERRY	20	REMOVE	INVASIVE	ONSITE
12	CAMPHOR	16	REMOVE	INVASIVE	ONSITE
13	CAMPHOR	10	REMOVE	INVASIVE	ONSITE
14	LIVE OAK	37	REMOVE	PROPOSED PARKING	ONSITE
15	CAMPHOR	36	REMOVE	INVASIVE	ONSITE
16	LAUREL OAK	31	REMOVE	INGRESS/EGRESS	ONSITE
17	PALM	10	REMOVE	PROPOSED WALL	ONSITE
18	OAK	38	PRESERVE		ONSITE
19	LIVE OAK	28	REMOVE	PROP. SIDEWALK	ONSITE
20	LIVE OAK	29	PRESERVE	PROPOSED WALL	ONSITE
21	LIVE OAK	21	PRESERVE	PROPOSED WALL	ONSITE
22	LAUREL OAK	23	PRESERVE		ONSITE
23	QUEEN PALM	8	PRESERVE		OFF-SITE
24	LIVE OAK	34	PRESERVE		ONSITE
25	CAMPHOR	28	REMOVE	INVASIVE	ONSITE
26	GOLDEN RAIN	10	PRESERVE	INVASIVE	OFF-SITE
27	GOLDEN RAIN	12	PRESERVE	INVASIVE	OFF-SITE
28	SABAL PALM	15	PRESERVE		OFF-SITE
29	SABAL PALM	17	PRESERVE		OFF-SITE
30	SABAL PALM	18	PRESERVE		OFF-SITE
31	GOLDEN RAIN	11	PRESERVE	INVASIVE	OFF-SITE
32	SABAL PALM	17	PRESERVE		OFF-SITE
33	OAK	36	PRESERVE		ONSITE
34	QUEEN PALM	10	REMOVE	PROP. SIDEWALK	ONSITE
35	QUEEN PALM	9	PRESERVE		OFF-SITE
36	LIVE OAK	25	PRESERVE		OFF-SITE
37	LIVE OAK	29	PRESERVE		OFF-SITE
38	PALM	10	REMOVE	PROP. BUILDING, DEAD.	ONSITE
39	LAUREL OAK	39	REMOVE	PROPOSED PARKING	ONSITE
40	LAUREL OAK	26	REMOVE	PROPOSED PARKING	ONSITE
41	LAUREL OAK	12	REMOVE	PROPOSED PARKING	ONSITE
42	LAUREL OAK	12	REMOVE	PROPOSED PARKING	ONSITE
43	LAUREL OAK	14	PRESERVE	PROPOSED WALL	ONSITE
44	SABAL PALM	21	REMOVE	PROP. BUILDING	ONSITE
45	QUEEN PALM	10	REMOVE	PROP. BUILDING	ONSITE
46	OAK	27	PRESERVE		OFF-SITE
47	OAK	17	PRESERVE		OFF-SITE
48	OAK	42	PRESERVE		OFF-SITE
49	OAK	42	PRESERVE		OFF-SITE
50	OAK	43	PRESERVE		OFF-SITE
51	OAK	48	PRESERVE		ONSITE
52	OAK	42	PRESERVE		OFF-SITE
53	OAK	38	REMOVE	PROPOSED PARKING	ONSITE
54	OAK	48	PRESERVE		ONSITE
55	OAK	48	PRESERVE		ONSITE
56	LAUREL OAK	24	REMOVE	PROPOSED PARKING	ONSITE
57	SABAL PALM	11	REMOVE	PROPOSED PARKING	ONSITE
58	SABAL PALM	15	REMOVE	PROPOSED TANK	ONSITE
59	GOLDEN RAIN	10	REMOVE	INVASIVE	ONSITE
60	CAMPHOR	32	REMOVE	INVASIVE	ONSITE
61	LAUREL OAK	22	PRESERVE		ONSITE
62	CHERRY LAUREL	14	REMOVE	PROP. BUILDING	ONSITE
63	SABAL PALM	18	REMOVE	PROPOSED PARKING	ONSITE
64	OAK	48	REMOVE	PROP. BUILDING	ONSITE
65	OAK	48	REMOVE	PROP. BUILDING	OFF-SITE
66	QUEEN PALM	9	REMOVE	PROP. BUILDING	ONSITE
67	QUEEN PALM	4	REMOVE	PROP. BUILDING	ONSITE
68	OAK	25	REMOVE	PROP. SIDEWALK	ONSITE
69	CAMPHOR	10	REMOVE	INVASIVE	ONSITE
70	QUEEN PALM	7	REMOVE	PROP. SIDEWALK	ONSITE
71	CAMPHOR	32	REMOVE	PROP. CURB	ONSITE
72	CAMPHOR	12	REMOVE	PROP. SIDEWALK	ONSITE
73	CAMPHOR	14	PRESERVE	INVASIVE	OFF-SITE
74	LAUREL OAK	17	PRESERVE		OFF-SITE
75	LAUREL OAK	18	REMOVE	PROPOSED PARKING	ONSITE
76	PODOCARPUS	13	PRESERVE		OFF-SITE
77	CHINABERRY	6	REMOVE	PROPOSED PARKING	ONSITE
78	CHINABERRY	23	REMOVE	PROPOSED PARKING	ONSITE
79	CHINABERRY	6	REMOVE	PROP. SIDEWALK	ONSITE
80	CAMPHOR	6	REMOVE	PROP. CURB	ONSITE
81	SABAL PALM	13	REMOVE	PROP. CURB	ONSITE
82	QUEEN PALM	9	REMOVE	PROP. BUILDING	ONSITE
277	OAK	35	PRESERVE		OFF-SITE
278	OAK	29	PRESERVE		OFF-SITE
279	OAK	36	PRESERVE		OFF-SITE
280	GOLDEN RAIN	38	REMOVE	PROP. WALL/PARKING	ONSITE
281	OAK	29	REMOVE	PROP. SEPTIC	ONSITE
282	OAK	36	PRESERVE		OFF-SITE
283	OAK	18	PRESERVE		OFF-SITE

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 AKP  
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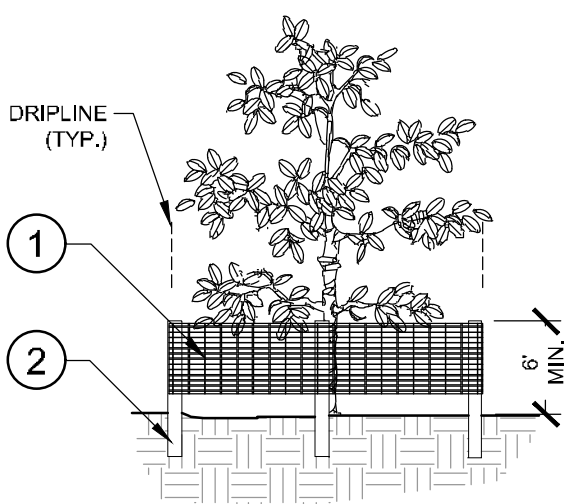
**TREE MITIGATION PLAN**

**WINDERMERE DOWNTOWN PROPERTY**  
 TOWN OF WINDERMERE

SHEET NUMBER  
**L0.50**

Plotted By: Ceider, Marcus. Sheet: Srt: Windermere Downtown Property. Layout: L0.51 TREE MITIGATION CHART. May 03, 2023 06:20:43pm. K:\DBL-Civil\14997304-Windermere Downtown Property\CADD\CONSTR\PlanSheets\L0.50 - TREE MITIGATION PLAN.dwg. This document, together with the concepts and designs presented herein, is an instrument of service, as an instrument of service, and shall be without liability to Kimley-Horn and Associates, Inc.

TREE MITIGATION FUND CALCULATION							
Tree Number	Species	DBH	Status	Reason	Location	REPLACEMENT STATUS	INCHES REQUIRED FOR PAYMENT
2	CAMPHOR	30	REMOVE	PROP. BUILDING	ONSITE	REPLACED	
3	QUEEN PALM	9	REMOVE	PROP. BUILDING	ONSITE	PAYMENT REQ'D	9
9	QUEEN PALM	8	REMOVE	INGRESS/EGRESS	ONSITE	PAYMENT REQ'D	8
14	LIVE OAK	37	REMOVE	PROPOSED PARKING	ONSITE	REPLACED	
16	LAUREL OAK	31	REMOVE	INGRESS/EGRESS	ONSITE	REPLACED	
17	PALM	10	REMOVE	PROPOSED WALL	ONSITE	PAYMENT REQ'D	10
19	LIVE OAK	28	REMOVE	PROP. SIDEWALK	ONSITE	REPLACED	
20	LIVE OAK	29	REMOVE	PROPOSED WALL	ONSITE	REPLACED	
21	LIVE OAK	21	REMOVE	PROPOSED WALL	ONSITE	REPLACED	
34	QUEEN PALM	10	REMOVE	PROP. SIDEWALK	ONSITE	PAYMENT REQ'D	10
38	PALM	10	REMOVE	PROP. BUILDING	ONSITE	PAYMENT REQ'D	10
39	LAUREL OAK	39	REMOVE	PROPOSED PARKING	ONSITE	REPLACED	
40	LAUREL OAK	26	REMOVE	PROPOSED PARKING	ONSITE	REPLACED	
41	LAUREL OAK	12	REMOVE	PROPOSED PARKING	ONSITE	PAYMENT REQ'D	12
42	LAUREL OAK	12	REMOVE	PROPOSED PARKING	ONSITE	PAYMENT REQ'D	12
43	LAUREL OAK	14	REMOVE	PROPOSED WALL	ONSITE	REPLACED	
44	SABAL PALM	21	REMOVE	PROP. BUILDING	ONSITE	REPLACED	
45	QUEEN PALM	10	REMOVE	PROP. BUILDING	ONSITE	PAYMENT REQ'D	10
53	OAK	38	REMOVE	PROPOSED PARKING	ONSITE	REPLACED	
56	LAUREL OAK	24	REMOVE	PROPOSED PARKING	ONSITE	REPLACED	
57	SABAL PALM	11	REMOVE	PROPOSED PARKING	ONSITE	PAYMENT REQ'D	11
58	SABAL PALM	15	REMOVE	PROPOSED TANK	ONSITE	REPLACED	
62	CHERRY LAUREL	14	REMOVE	PROP. BUILDING	ONSITE	REPLACED	
63	SABAL PALM	18	REMOVE	PROPOSED PARKING	ONSITE	REPLACED	
64	OAK	48	REMOVE	PROP. BUILDING	ONSITE	REPLACED	
66	QUEEN PALM	9	REMOVE	PROP. BUILDING	ONSITE	PAYMENT REQ'D	9
67	QUEEN PALM	4	REMOVE	PROP. BUILDING	ONSITE	PAYMENT REQ'D	4
68	OAK	25	REMOVE	PROP. SIDEWALK	ONSITE	REPLACED	
70	QUEEN PALM	7	REMOVE	PROP. SIDEWALK	ONSITE	PAYMENT REQ'D	7
71	CAMPHOR	32	REMOVE	PROP. CURB	ONSITE	REPLACED	
72	CAMPHOR	12	REMOVE	PROP. SIDEWALK	ONSITE	PAYMENT REQ'D	12
75	LAUREL OAK	18	REMOVE	PROPOSED PARKING	ONSITE	REPLACED	
77	CHINABERRY	6	REMOVE	PROPOSED PARKING	ONSITE	PAYMENT REQ'D	6
78	CHINABERRY	23	REMOVE	PROPOSED PARKING	ONSITE	REPLACED	
79	CHINABERRY	6	REMOVE	PROP. SIDEWALK	ONSITE	PAYMENT REQ'D	6
80	CAMPHOR	6	REMOVE	PROP. CURB	ONSITE	PAYMENT REQ'D	6
81	SABAL PALM	13	REMOVE	PROP. CURB	ONSITE	REPLACED	
82	QUEEN PALM	9	REMOVE	PROP. BUILDING	ONSITE	PAYMENT REQ'D	9
280	GOLDEN RAIN	38	REMOVE	PROP. WALL/PARKING	ONSITE	REPLACED	
281	OAK	29	REMOVE	PROP. SEPTIC	ONSITE	REPLACED	
TOTAL INCHES REQUIRED TO BE PAID INTO THE TREE MITIGATION FUND							151

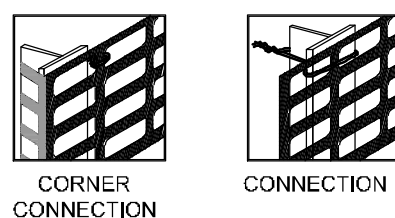
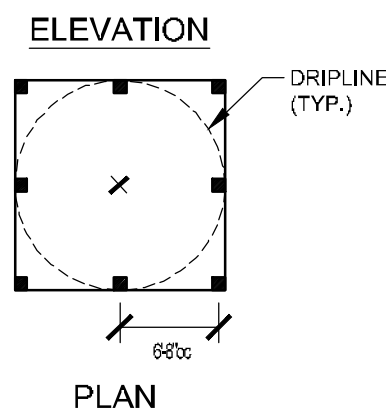


- 6" "PERIMETER PLUS" CONSTRUCTION FENCE BY CONWED PLASTICS OR OWNER'S REPRESENTATIVE APPROVED EQUAL. SUBMIT PRODUCT INFORMATION FOR APPROVAL PRIOR TO INSTALLATION.
- 8" TALL METAL "T" POSTS OR 2" x 2" x 8' PRESSURE TREATED WOOD POSTS WITH 24" BURIAL BELOW GRADE.

**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 1/3 OF THE HEIGHT OF THE POST. FOR EXAMPLE, A 6' 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 CONWED PLASTICS). WOOD STRIPS MAY BE ALSO 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.



1 TREE PROTECTION FENCING  
ELEVATION / PLAN

NTS

**SEC. 5.01.17. - DEVELOPMENT SITE TREE PROTECTION STANDARDS.**

- (A) DURING CONSTRUCTION AND DEVELOPMENT, ALL REASONABLE STEPS NECESSARY TO PREVENT DESTRUCTION OR DAMAGE TO TREES AND NATIVE VEGETATION SHALL BE TAKEN. ALL TREE AND LANDSCAPE WORK SHALL BE GOVERNED BY THE AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) A-300 SERIES AND THE BEST MANAGEMENT PRACTICES. UNLESS OTHERWISE AUTHORIZED BY A TREE REMOVAL PERMIT, TREES AND NATIVE VEGETATION DESTROYED OR RECEIVING MAJOR DAMAGE MUST BE REPLACED BY TREES AND VEGETATION OF EQUAL ENVIRONMENTAL VALUE, AS SPECIFIED BY THE TOWN MANAGER OR HIS DESIGNEE (PERMITTING AUTHORITY), BEFORE OCCUPANCY OR USE.
- (B) APPROVED TREE REMOVAL PERMITS ARE TO BE POSTED ON SITE, LEGIBLE, AND VISIBLE FROM THE STREET PRIOR TO COMMENCEMENT AND THROUGHOUT COMPLETION OF THE WORK.
- (C) DURING CONSTRUCTION, UNLESS OTHERWISE AUTHORIZED BY A TREE REMOVAL PERMIT, NO EXCESS SOIL, ADDITIONAL FILL, EQUIPMENT, LIQUIDS, OR CONSTRUCTION DEBRIS SHALL BE PLACED WITHIN THE DRIP LINE OF ANY TREE THAT IS REQUIRED TO BE PRESERVED IN ITS ORIGINAL LOCATION.
- (D) NO ATTACHMENTS OR WIRES OTHER THAN THOSE OF A PROTECTIVE AND NON-DAMAGING NATURE SHALL BE ATTACHED TO ANY TREE DURING CONSTRUCTION OR DEVELOPMENT.
- (E) UNLESS OTHERWISE AUTHORIZED BY THE TREE REMOVAL PERMIT, NO SOIL SHALL BE REMOVED FROM WITHIN THE DRIP LINE OF ANY TREE THAT IS TO REMAIN IN ITS ORIGINAL LOCATION. (F) PRIOR TO CONSTRUCTION, THE PERMIT APPLICANT IS REQUIRED TO HAVE THE FOLLOWING PROTECTIVE BARRIERS AND MEASURES PUT IN PLACE:
- ALL PROTECTIVE BARRIERS SHALL BE INSTALLED AND MAINTAINED FOR THE PERIOD OF TIME BEGINNING WITH THE COMMENCEMENT OF ANY LAND CLEARING OR BUILDING OPERATIONS AND ENDING WITH THE COMPLETION OF THE PERMITTED CLEARING OR BUILDING CONSTRUCTION WORK ON THE SITE.
  - THE APPLICANTS FOR A TREE REMOVAL PERMIT SHALL, AT THE TIME OF APPLICATION, DESIGNATE AN ON-SITE REPRESENTATIVE FOR THE INSTALLATION AND MAINTENANCE OF ALL TREE AND SHRUB PROTECTIVE BARRIERS.
  - THE CIRCUMFERENCE OF AN AREA TO BE PRESERVED SHALL BE PROTECTED DURING LAND DEVELOPMENT AND CONSTRUCTION BY PLACING TWO-INCH BY TWO-INCH WOOD STAKES A MAXIMUM OF 20 FEET APART AROUND THE TREE PROTECTION ZONE AND BY TYING FLUORESCENT RIBBON, SURVEY FLAGGING, ETC., FROM STAKE TO STAKE ALONG THE PERIMETER OF THE AREAS TO BE PRESERVED.
  - WHEN PROTECTION OF INDIVIDUAL TREES IS REQUIRED, A PROTECTIVE BARRIER SHALL BE PLACED AROUND THE PERIMETER OF THE BASE AT A DISTANCE NOT LESS THAN THE DRIP LINE.
  - A TREE PROTECTION SIGN SHALL BE A MINIMUM OF TWO FEET WIDE BY THREE FEET HIGH CONSISTING OF DURABLE RIGID, PLASTIC OR METAL MATERIAL WITH NON FADING LETTERING, LEGIBLY PRINTED IN CHARACTERS A MINIMUM OF ONE AND ONE-HALF INCHES HIGH ON ITS FACE. TREE PROTECTION SIGNS AND BARRIERS ARE TO BE MAINTAINED THROUGH JOB COMPLETION OR AS OTHERWISE REQUIRED BY THE TOWN MANAGER OR HIS DESIGNEE. A MINIMUM OF ONE SIGN IS REQUIRED PER BARRIER. SIGN TEXT SHALL BE INCLUDE IN ENGLISH AND SPANISH AND SHALL READ:

**TREE PROTECTION AREA**

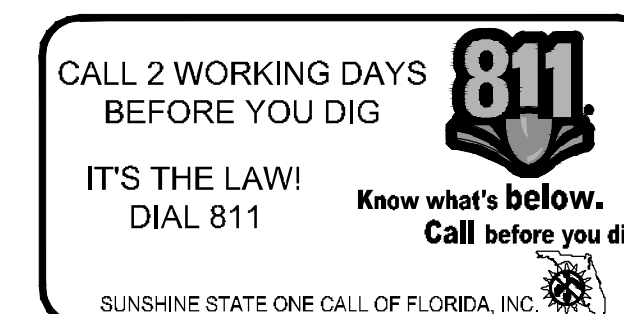
PROHIBITED WITHIN THIS AREA:

- PARKING OF USE OF VEHICLES, EQUIPMENT OR MACHINERY.
- STORAGE OR DUMPING OF ANY MATERIALS OR LIQUIDS.
- CONSTRUCTION, EXCAVATION OR TRENCHING.

**AREA DE PROTECCION DE ARBOLES**

PROHIBIDO DENTRO DE ESTA AREA:

- APARCAR O USO DE VEHICULO, EQUIPAMIENTO, O MAQUINARIA.
- ALMACENAR O TIRAR DE LIQUIDOS O MATERIALES.
- CONSTRUCCION, EXCAVACION O ZANJAS. (6) UNLESS PRIOR APPROVAL IS GRANTED BY THE TOWN MANAGER OR HIS DESIGNEE, THE FOLLOWING ACTIVITIES ARE PROHIBITED WITHIN THE DRIP-LINE OF A PROTECTED TREE OR WITHIN TEN FEET OF ITS TRUNK, WHICHEVER IS GREATER: (I) PARKING OR USE OF VEHICLES, EQUIPMENT OR MACHINERY, OR (II) STORING OR DUMPING ANY MATERIAL OF LIQUIDS, OR (III) CONSTRUCTION, EXCAVATION OR TRENCHING.



NO.	REVISIONS	DATE	BY

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LICENSING PROFESSIONAL	KHA PROJECT 149973004
DATE 02/09/2023	SCALE AS SHOWN
DESIGNED BY AKP	DRAWN BY AKP
CHECKED BY AKP	DATE

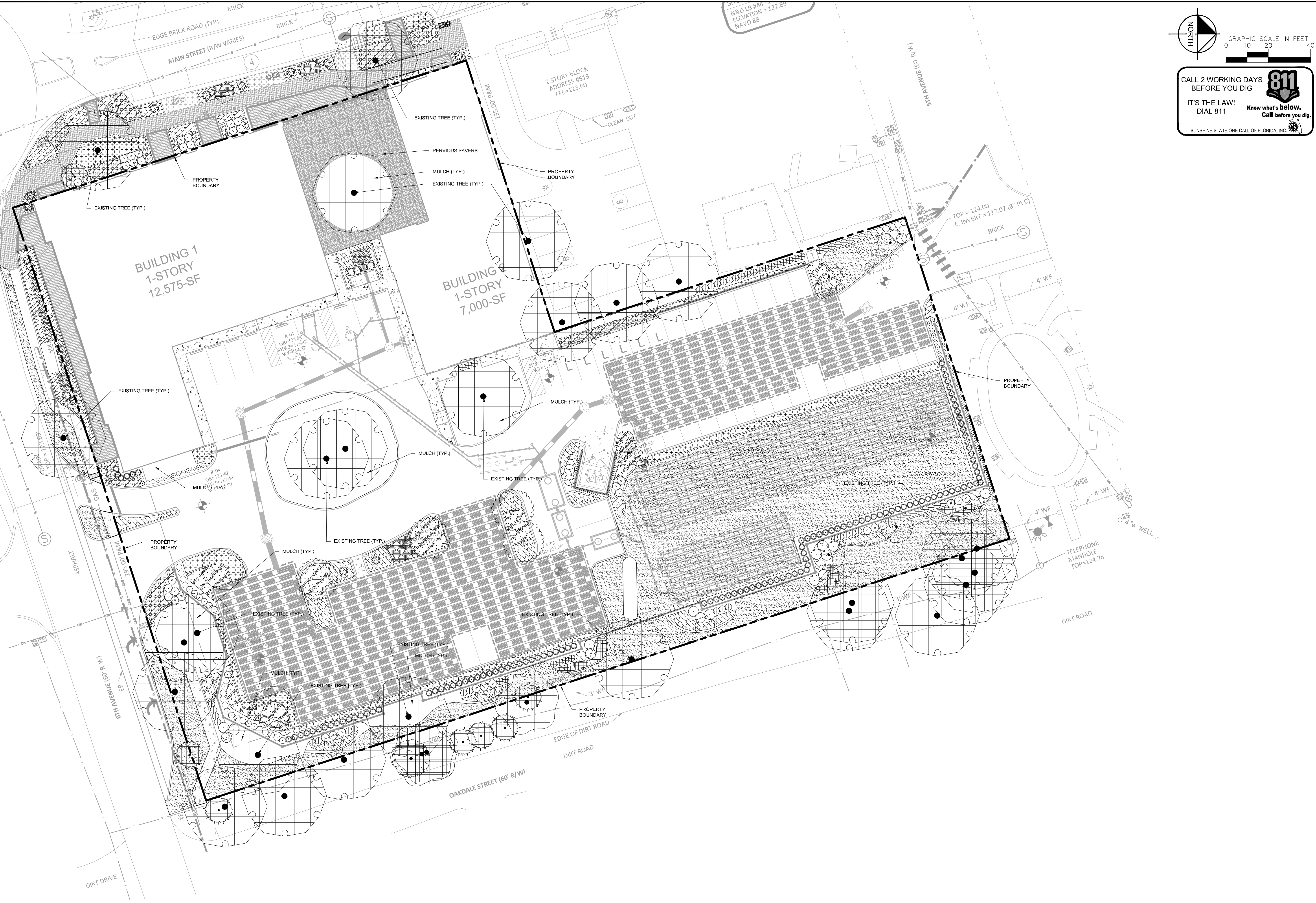
**TREE MITIGATION CHART**

**WINDERMERE DOWNTOWN PROPERTY**  
TOWN OF WINDERMERE

SHEET NUMBER  
**L0.51**



Plotted By: Ceiler, Marcus. Sheet: Sct: Windermere Downtown Property. Layout: L1.00 OVERALL LANDSCAPE PLAN. May 03, 2023. 08:21:28pm. K:\GR-Civil\14997504-Windermere Downtown Property\CADD\CONSTR\PlanSheets\L1.00 - LANDSCAPE PLAN.dwg  
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 GRAPHIC SCALE IN FEET  
 0 10 20 40  
**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.

A LANDSCAPE PLAN  
 L1.00

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 KHA PROJECT 149975004  
 DATE 02/09/2023  
 SCALE AS SHOWN  
 DESIGNED BY AKP  
 DRAWN BY AKP  
 CHECKED BY AKP DATE:

**LANDSCAPE PLAN**

**WINDERMERE DOWNTOWN PROPERTY**  
 TOWN OF WINDERMERE FL

SHEET NUMBER  
**L1.00**

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### PLANT SCHEDULE

CANOPY TREE	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL	SIZE	DROUGHT TOL.	NATIVE
	QVC	2	QUERCUS VIRGINIANA 'CATHEDRAL' SINGLE, STRAIGHT TRUNK, FULL, FLORIDA #1	CATHEDRAL LIVE OAK	100 GAL	3.5" CAL MIN	14' HT., 16' SPR.	YES	YES
	UPA	4	ULMUS PARVIFOLIA ALLEE TM SINGLE, STRAIGHT TRUNK, FULL, FLORIDA #1	ALLEE LACEBARK ELM	65 GAL	3" CAL. TOT.	14' HT., 10' SPR.	YES	YES
EXISTING TREES TO REMAIN	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL	SIZE	DROUGHT TOL.	NATIVE
	KPE	3	EXISTING GOLDEN RAIN TREE CONTRACTOR LIABLE FOR DAMAGES	TO REMAIN	EXISTING	-	-	-	-
	PAE	7	EXISTING PALM CONTRACTOR LIABLE FOR DAMAGES	TO REMAIN	EXISTING	-	-	-	-
	PME	1	EXISTING PODOCARPUS TREE CONTRACTOR LIABLE FOR DAMAGES	TO REMAIN	EXISTING	-	-	-	-
	QVE	27	EXISTING LIVE OAK CONTRACTOR LIABLE FOR DAMAGES	TO REMAIN	EXISTING	-	-	-	-
UNDERSTORY TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL	SIZE	DROUGHT TOL.	NATIVE
	IAE	3	ILEX X ATTENUATA 'EAST PALATKA' SINGLE, STRAIGHT TRUNK, FULL, FLORIDA #1	EAST PALATKA HOLLY	FG	3" CAL MIN	12' HT., 6' SPR.	YES	YES
	LIN	3	LAGERSTROEMIA INDICA X FAURIEI 'NATCHEZ' STANDARD, SINGLE, STRAIGHT TRUNK, FULL, FLORIDA #1	NATCHEZ CRAPE MYRTLE MULTI-TRUNK	65 GAL	5" CAL. TOT.	12' HT., 7' SPR.	YES	NO
	LJ	9	LIGUSTRUM JAPONICUM MULTI-TRUNK, 4 TRUNKS, FULL, FLORIDA #1	JAPANESE PRIVET	100 GAL	4" CAL. TOT.	8' HT., 8' SPR.	YES	NO
SHRUBS	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SPACING	SIZE	DROUGHT TOL.	NATIVE
	AGE	28	ABELIA X GRANDIFLORA 'EDWARD GOUCHER' FULL	EDWARD GOUCHER GLOSSY ABELIA	3 GAL	36" OC	24" HT MIN	YES	YES
	GM	21	GARDENIA AUGUSTA MIAMI SUPREME' STANDARD, FULL	MIAMI SUPREME GARDENIA	7 GAL	SEE PLAN	48" HT MIN	NO	NO
	IF	120	ILICIJUM FLORIDANUM FULL	FLORIDA ANISE	3 GAL	36" OC	20" HT MIN	YES	YES
	PM	101	PODOCARPUS MACROPHYLLUS FULL TO BASE, CLOSELY MATCHING	PODOCARPUS	3 GAL	24" OC	36" HT MIN	YES	NO
	RF	41	RHOODODENDRON X 'FASHION' FULL	FASHION GLENN DALE AZALEA	7 GAL	SEE PLAN	30" HT MIN	YES	NO
	RG	22	RHOODODENDRON X 'MRS. G. G. GERBING' FULL	LARGE WHITE AZALEA	7 GAL	SEE PLAN	36" HT MIN	NO	NO
	RR	6	RHOODODENDRON X 'FORMOSA' FULL	FORMOSA AZALEA	7 GAL	SEE PLAN	36" HT MIN	YES	YES
	VS	73	VIBURNUM SUSPENSUM FULL	SANDANKWA VIBURNUM	3 GAL	36" OC	36" HT MIN	YES	NO
SHRUB AREAS	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING	DROUGHT TOLERANCE	NATIVE
	BT	35	BOUGAINVILLEA X 'MISS ALICE' THORNLESS FULL	MISS ALICE BOUGAINVILLEA	3 GAL	12" HT MIN	36" OC	YES	NO
	JM	19	JASMINUM MULTIFLORUM FULL	DOWNEY JASMINE	3 GAL	14" HT MIN	30" OC	YES	NO
	NF	41	NEPHROLEPIS FALCATA FULL	MACHO FERN	3 GAL	12" HT MIN	30" OC	YES	NO
	PA	177	PLUMBAGO AURICULATA FULL	BLUE PLUMBAGO	3 GAL	12" HT MIN	36" OC	YES	NO
	RA	198	RHAPHOLEPIS INDICA 'ALBA' FULL	WHITE INDIAN HAWTHORN	3 GAL	18" HT MIN	30" OC	YES	NO
GROUND COVERS	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING	DROUGHT TOL.	NATIVE
	AE	105	ASPIDISTRA ELATIOR FULL	CAST IRON PLANT	1 GAL	20" HT, MIN	18" OC	YES	NO
	LMS	804	LIRIOPE MUSCARI 'BIG BLUE' FULL	BIG BLUE LILYTURF	1 GAL	12" FULL	18" OC	YES	NO
	TM	2,121	TRACHELOSPERMUM ASIATICUM 'MINIMA' FULL	MINIMA ASIATIC JASMINE	1 GAL	8" SPRD MIN	14" OC	YES	NO
SOD	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACING	DROUGHT TOL.	NATIVE
	SOD A	16,961 SF	STENOTAPHRUM SECLINATUM 'FLORITAM' 100% INSECT/DIEASE FREE, LAID TIGHT, ROLLED	FLORITAM ST. AUGUSTINE SOD	SOD	-	-	NO	NO

#### LANDSCAPE NOTES

- ALL LANDSCAPE MATERIAL TO BE FLORIDA GRADE #1 OR BETTER QUALITY
- ALL LANDSCAPED AREAS ARE TO RECEIVE A MINIMUM OF 4" OF TOPSOIL.
- ALL PLANT MATERIAL SHALL BE HEALTHY, VIGOROUS, AND FREE OF PESTS AND DISEASE.
- ALL MATERIALS ARE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT BEFORE, DURING, AND AFTER INSTALLATION.
- ALL TREES MUST BE GUYED OR STAKED AS SHOWN IN THE DETAILS.
- ALL PLANTING AREAS SHALL BE COMPLETELY MULCHED AS SPECIFIED.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND SHALL AVOID DAMAGE TO ALL UTILITIES DURING THE COURSE OF THE WORK. LOCATIONS OF EXISTING BURIED UTILITY LINES SHOWN ON THE PLANS ARE BASED UPON BEST AVAILABLE INFORMATION AND ARE TO BE CONSIDERED APPROXIMATE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR 1) TO VERIFY THE LOCATIONS OF UTILITY LINES ADJACENT TO THE WORK AREA 2) TO PROTECT ALL UTILITY LINES DURING THE CONSTRUCTION PERIOD 3) TO REPAIR ANY AND ALL DAMAGE TO UTILITIES, STRUCTURES, SITE APPURTENANCES, ETC. WHICH OCCURS AS A RESULT OF THE CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL QUANTITIES SHOWN ON THESE PLANS BEFORE PRICING THE WORK.
- CONTRACTOR SHALL BE RESPONSIBLE FOR DELIVERY SCHEDULE AND PROTECTION BETWEEN DELIVERY AND PLANTING TO MAINTAIN HEALTHY PLANT CONDITIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR FULLY MAINTAINING (INCLUDING BUT NOT LIMITED TO: WATERING, SPRAYING, MULCHING, FERTILIZING, ETC.) ALL OF THE PLANT MATERIALS AND LAWN FOR THE WARRANTY PERIOD.
- ANY PLANT MATERIAL WHICH IS DISEASED, DISTRESSED, DEAD, OR REJECTED (PRIOR TO SUBSTANTIAL COMPLETION) SHALL BE PROMPTLY REMOVED FROM THE SITE AND REPLACED WITH MATERIAL OF THE SAME SPECIES, QUANTITY, AND SIZE AND MEETING ALL PLANT LIST SPECIFICATIONS.
- THE CONTRACTOR SHALL COMPLETELY GUARANTEE ALL PLANT MATERIAL FOR WARRANTY PERIOD. THE CONTRACTOR SHALL PROMPTLY MAKE ALL REPLACEMENTS DURING THE NORMAL PLANTING SEASON.
- STANDARDS SET FORTH IN "AMERICAN STANDARD FOR NURSERY STOCK" REPRESENT GUIDELINE SPECIFICATIONS ONLY AND SHALL CONSTITUTE MINIMUM QUALITY REQUIREMENTS FOR PLANT MATERIAL.
- ALL LANDSCAPING SHALL BE INSTALLED ACCORDING TO SOUND NURSERY PRACTICES, AND SHALL BE FLORIDA NO. 1 OR BETTER AS GIVEN IN "GRADES AND STANDARDS FOR NURSERY PLANTS, PARTS I AND II," STATE OF FLORIDA, DEPARTMENT OF AGRICULTURE.
- ALL INVASIVE / EXOTIC SPECIES AND PROHIBITED TREE SPECIES SHALL BE REMOVED FROM SITE, INCLUDING ROOT BALLS TO THE EXTENT POSSIBLE WITH NO DAMAGE TO ADJACENT EXISTING TREES.
- ALL LANDSCAPE AREAS WILL BE PROVIDED WITH PERMANENT AUTOMATIC IRRIGATION SYSTEM.
- TREE SUPPORT MATERIALS ARE TO BE REMOVED FROM EACH TREE ONCE IT IS "ESTABLISHED" (AS APPROVED BY THE LANDSCAPE ARCHITECT).
- ALL PLANT SPECIFICATIONS IN THE PLANT SCHEDULE SHALL BE CONSIDERED THE MINIMUM ALLOWABLE SPECIFICATIONS. CONTRACTOR SHALL PROCURE PLANT MATERIALS AND UPSIZE AS NECESSARY TO MEET THE MOST STRINGENT SPECIFICATION.

GRAPHIC SCALE IN FEET

0 1 2 3 4 5 6 7 8 9 10

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WINDERMERE DOWNTOWN PROPERTY

TOWN OF WINDERMERE

SHEET NUMBER L1.01

**LANDSCAPE SCHEDULE & NOTES**

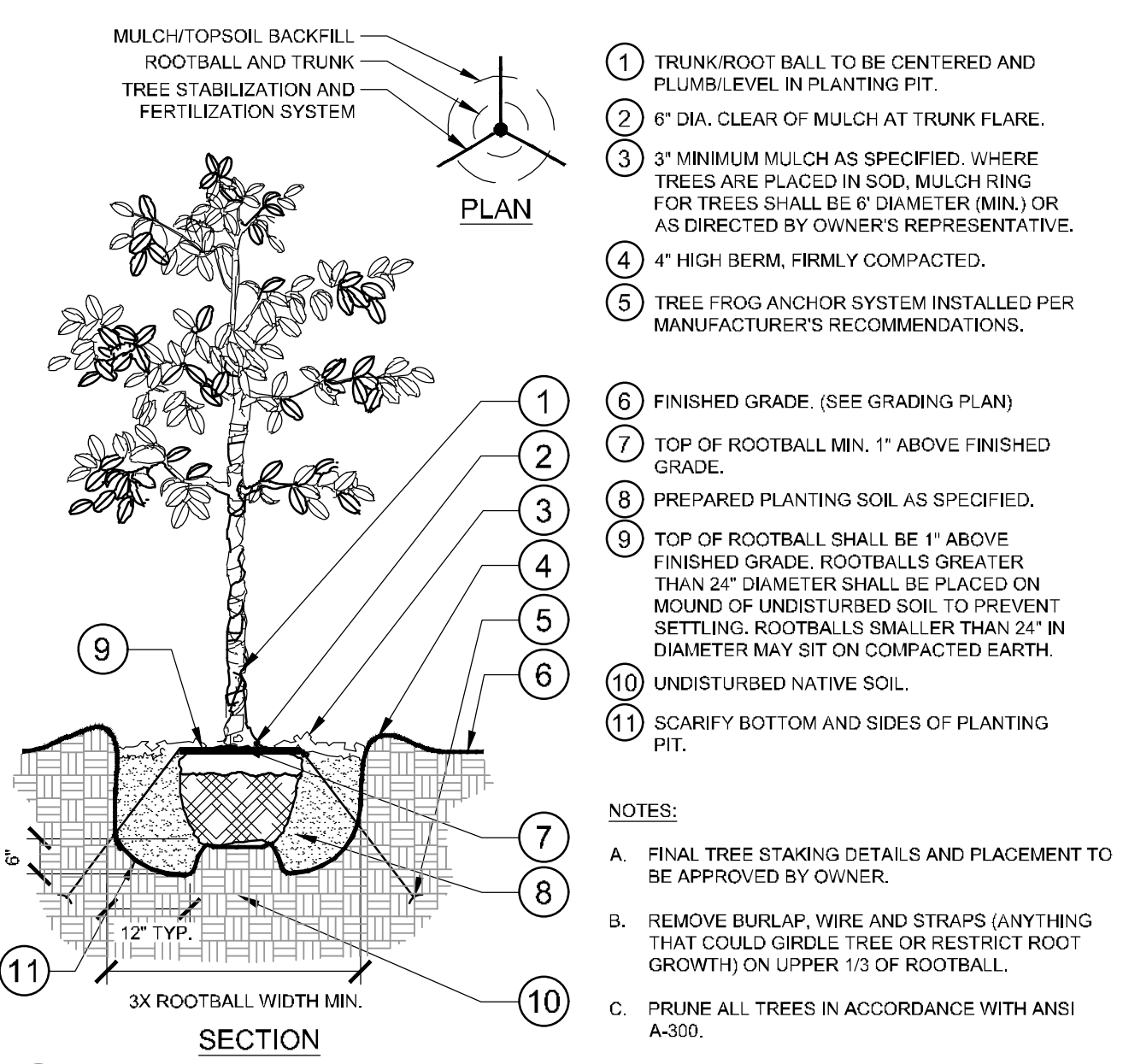
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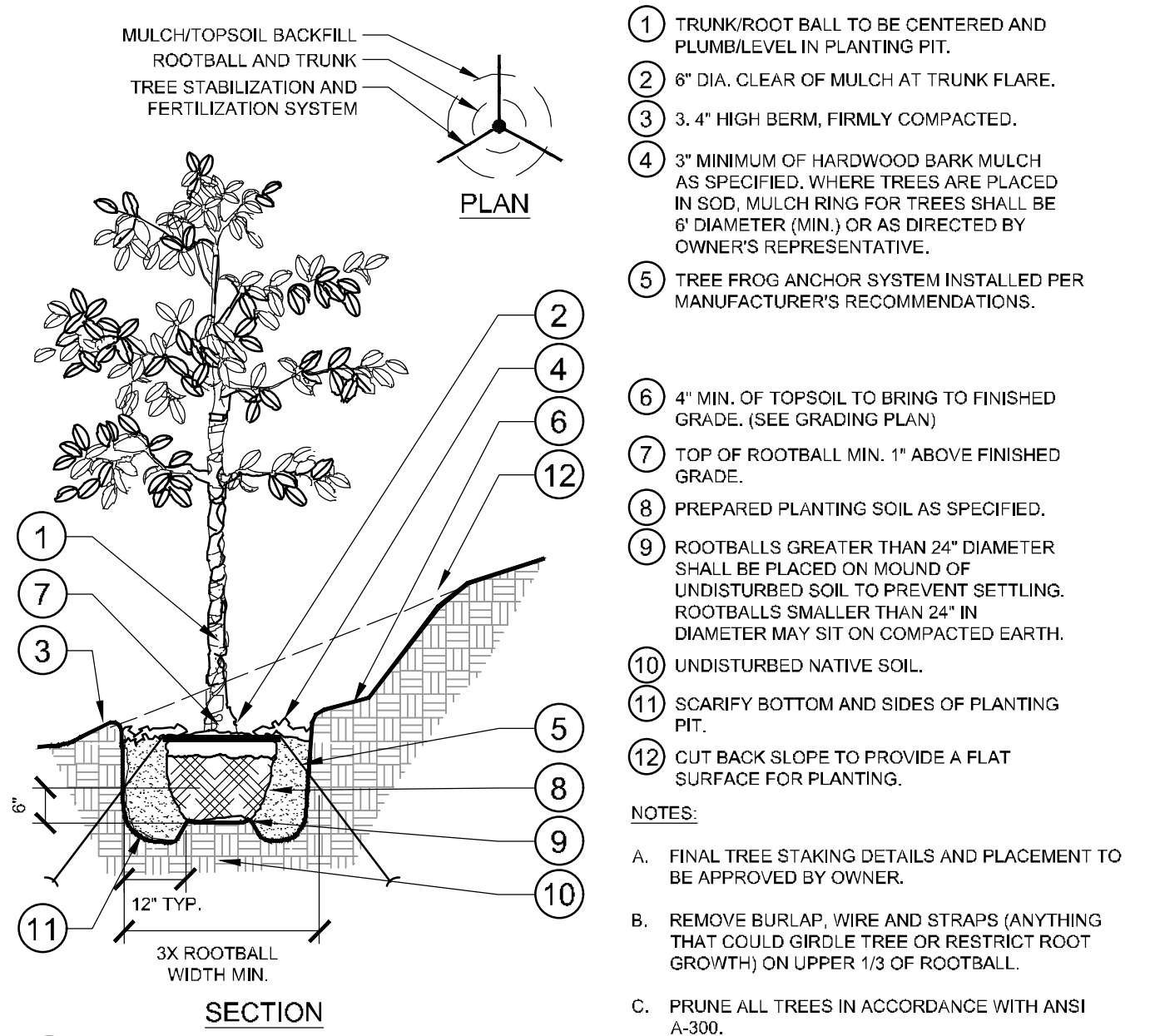
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PHONE: 407-698-1511  
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KHA PROJECT 149973004	DATE 02/09/2023	SCALE AS SHOWN	DESIGNED BY AKP	DRAWN BY AKP	CHECKED BY AKP
LICENSED PROFESSIONAL					
REVISIONS					
No.					
DATE					
BY					

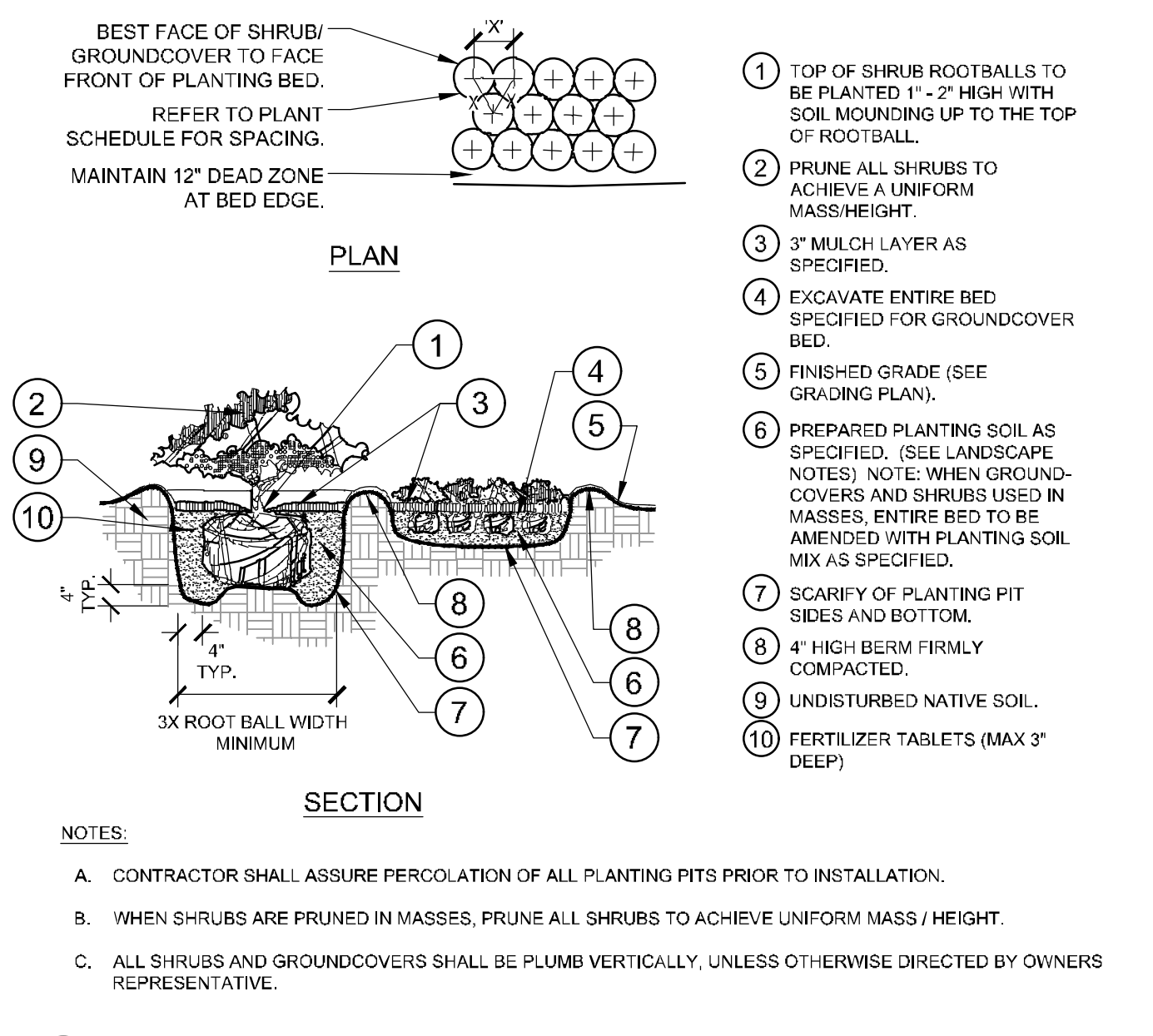
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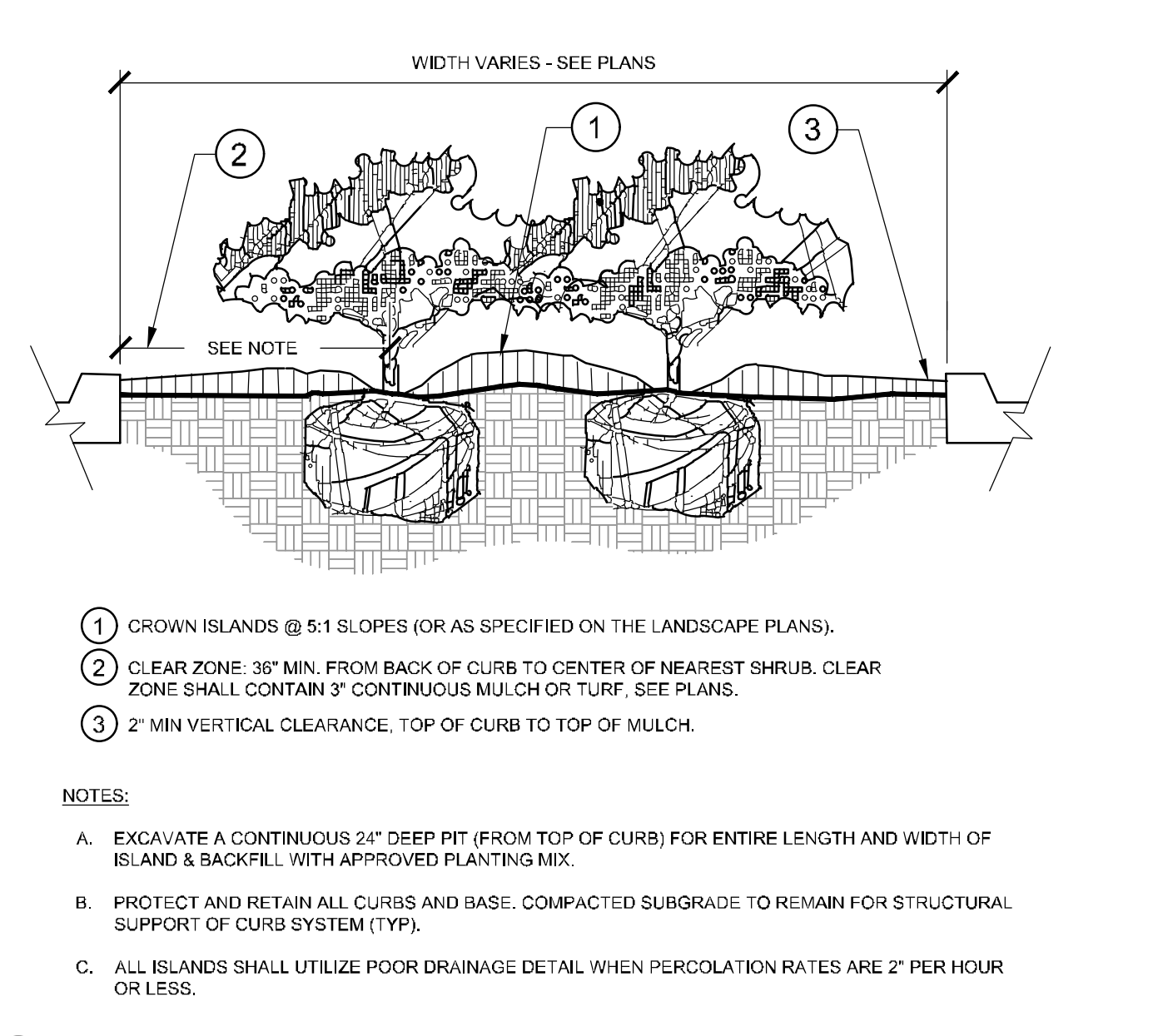
**1 TREE PLANTING**  
SECTION / PLAN NTS



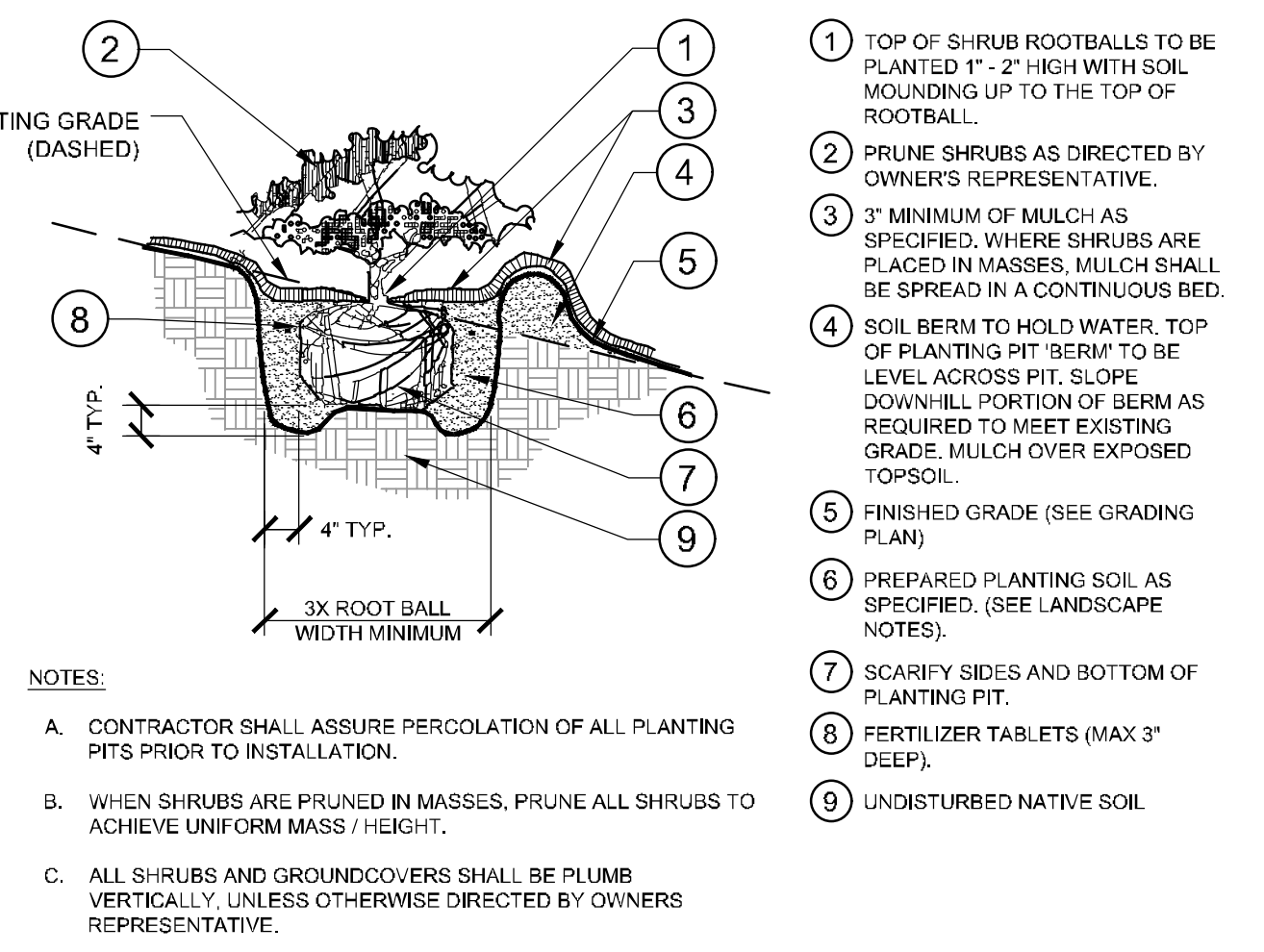
**2 TREE PLANTING ON A SLOPE**  
SECTION / PLAN NTS



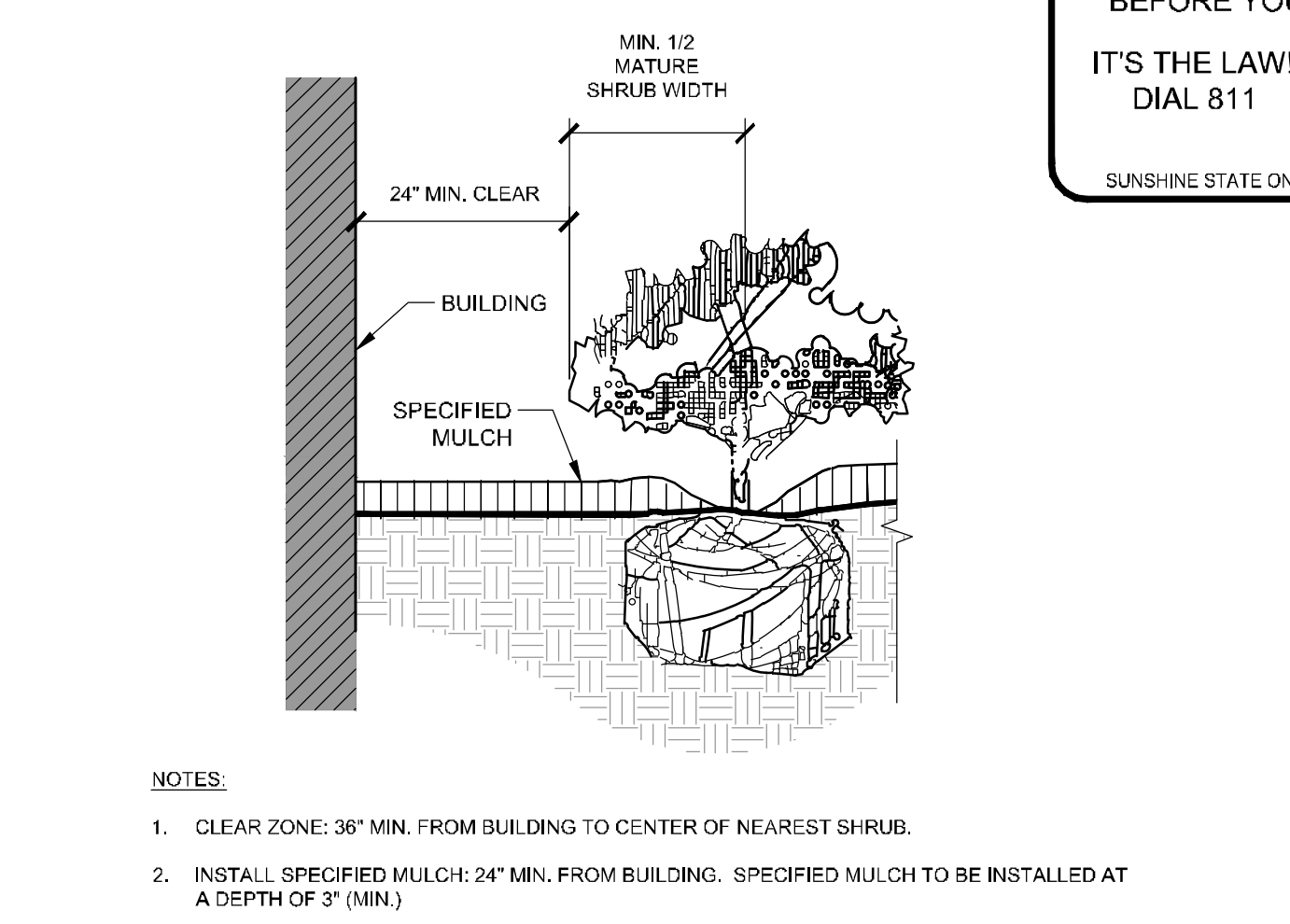
**3 SHRUB/GROUNDCOVER PLANTING**  
SECTION / PLAN NTS



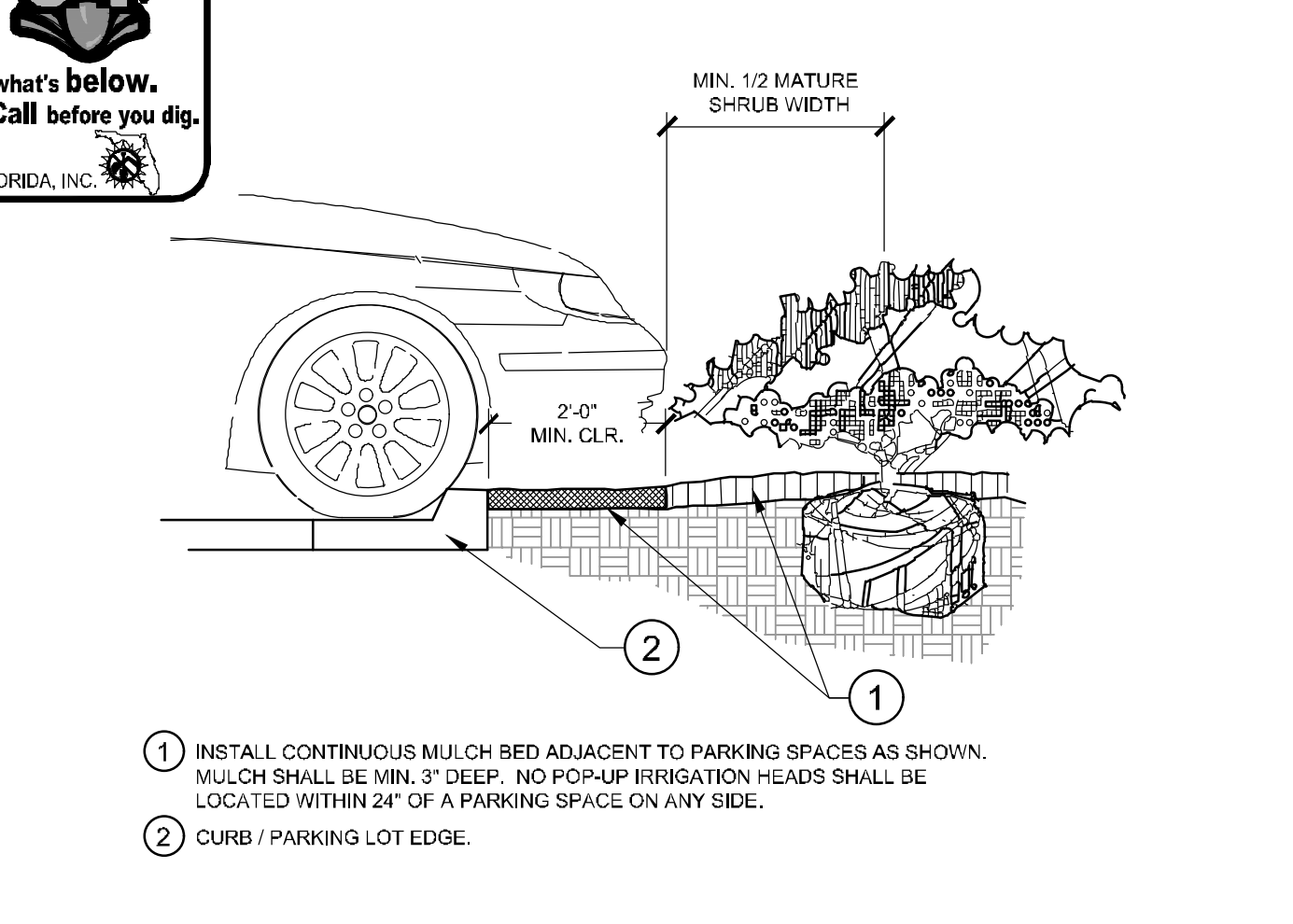
**4 PLANTED PARKING LOT ISLANDS/MEDIANS**  
SECTION NTS



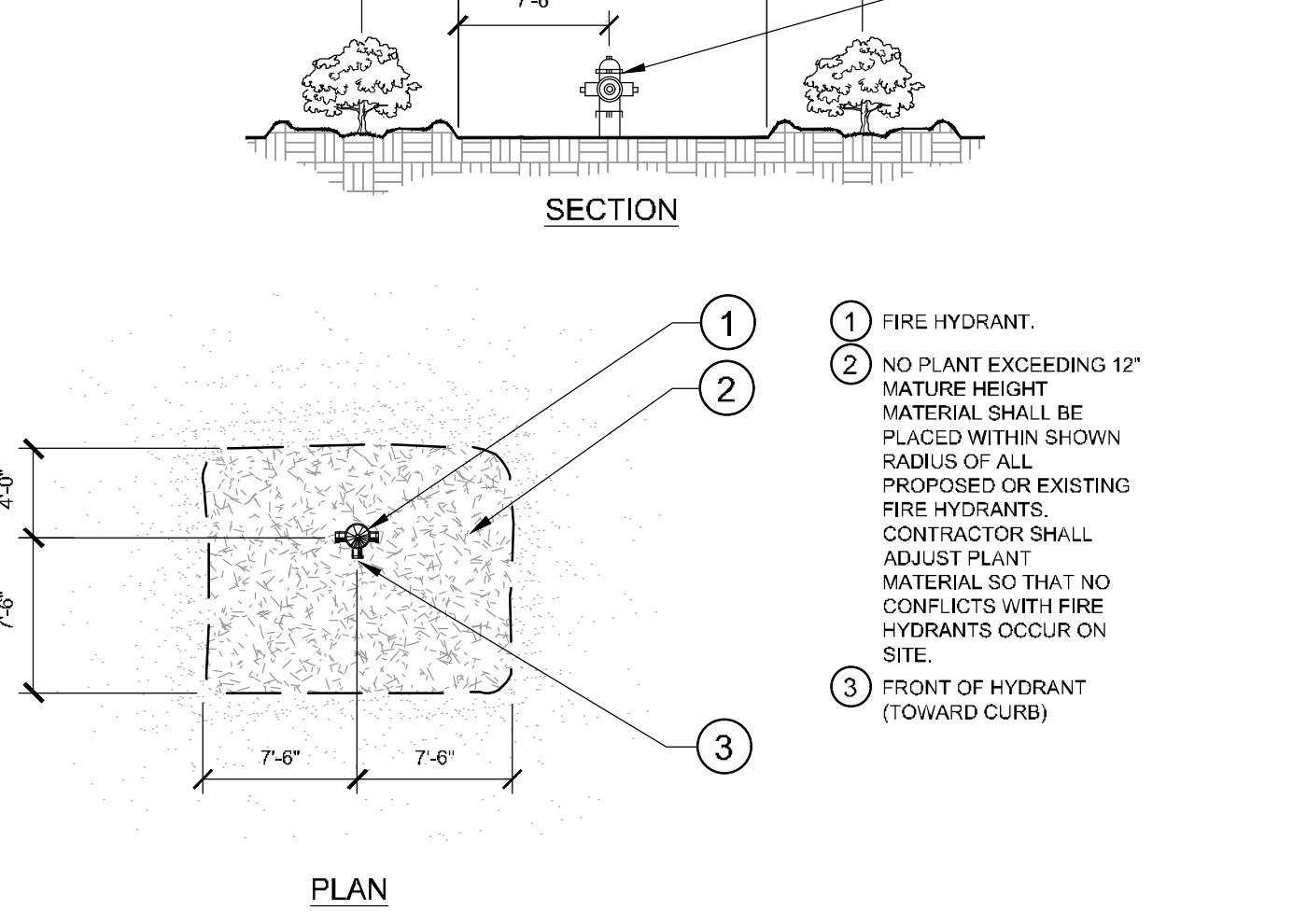
**5 SHRUB/GROUNDCOVER PLANTING ON A SLOPE**  
SECTION NTS



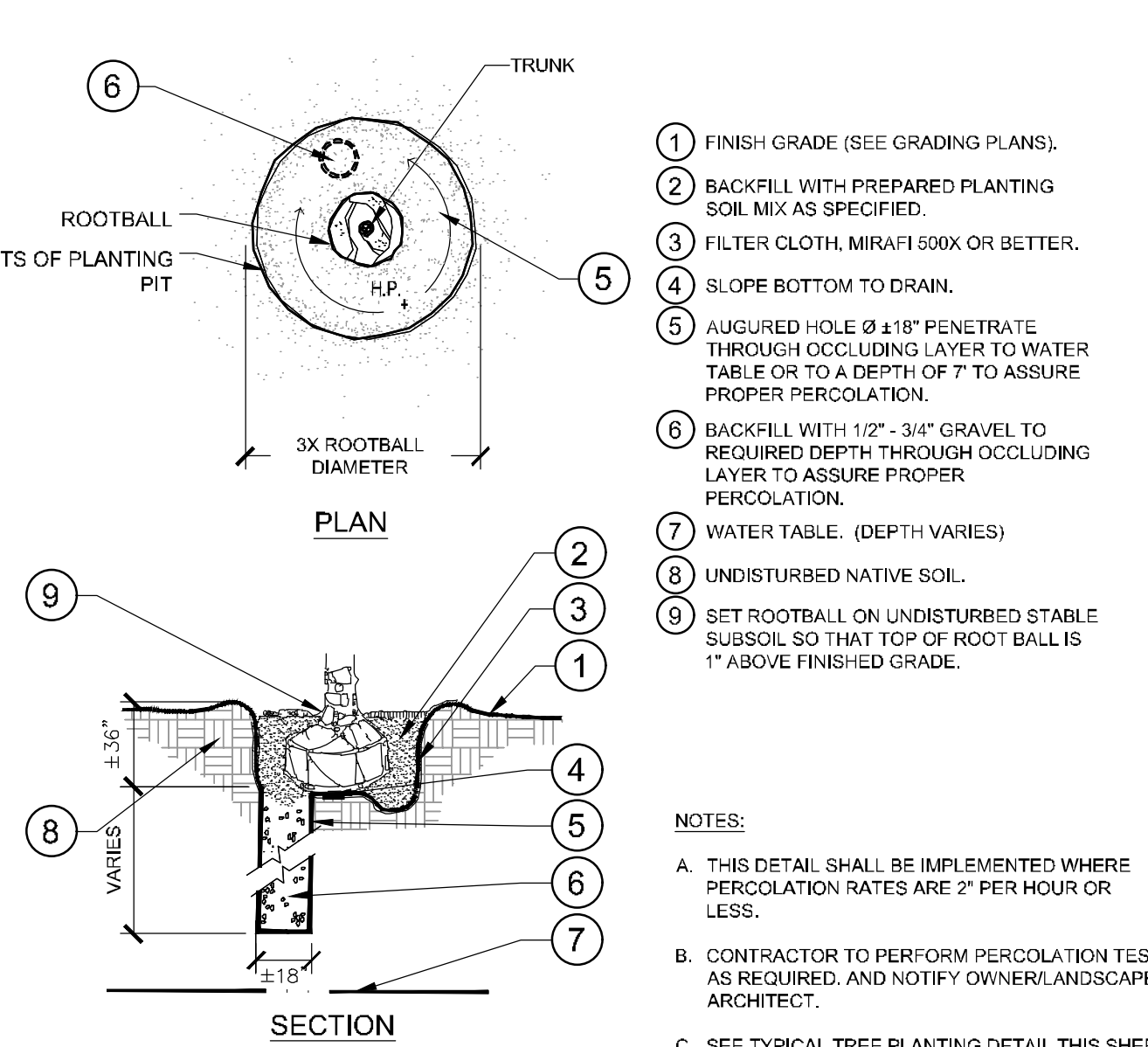
**6 PLANTINGS ADJACENT TO BUILDINGS**  
SECTION NTS



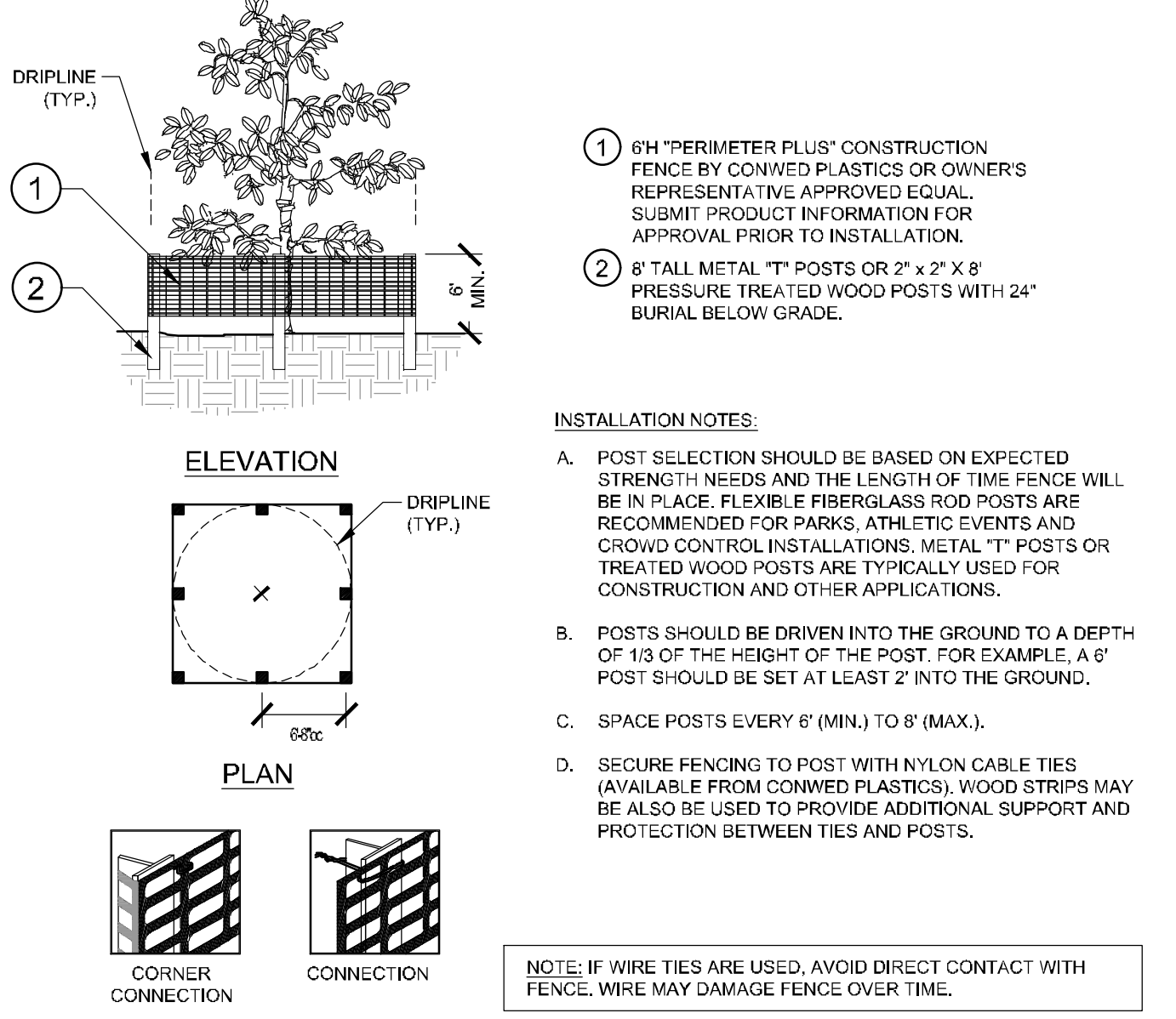
**7 PARKING SPACE/CURB PLANTING**  
SECTION NTS



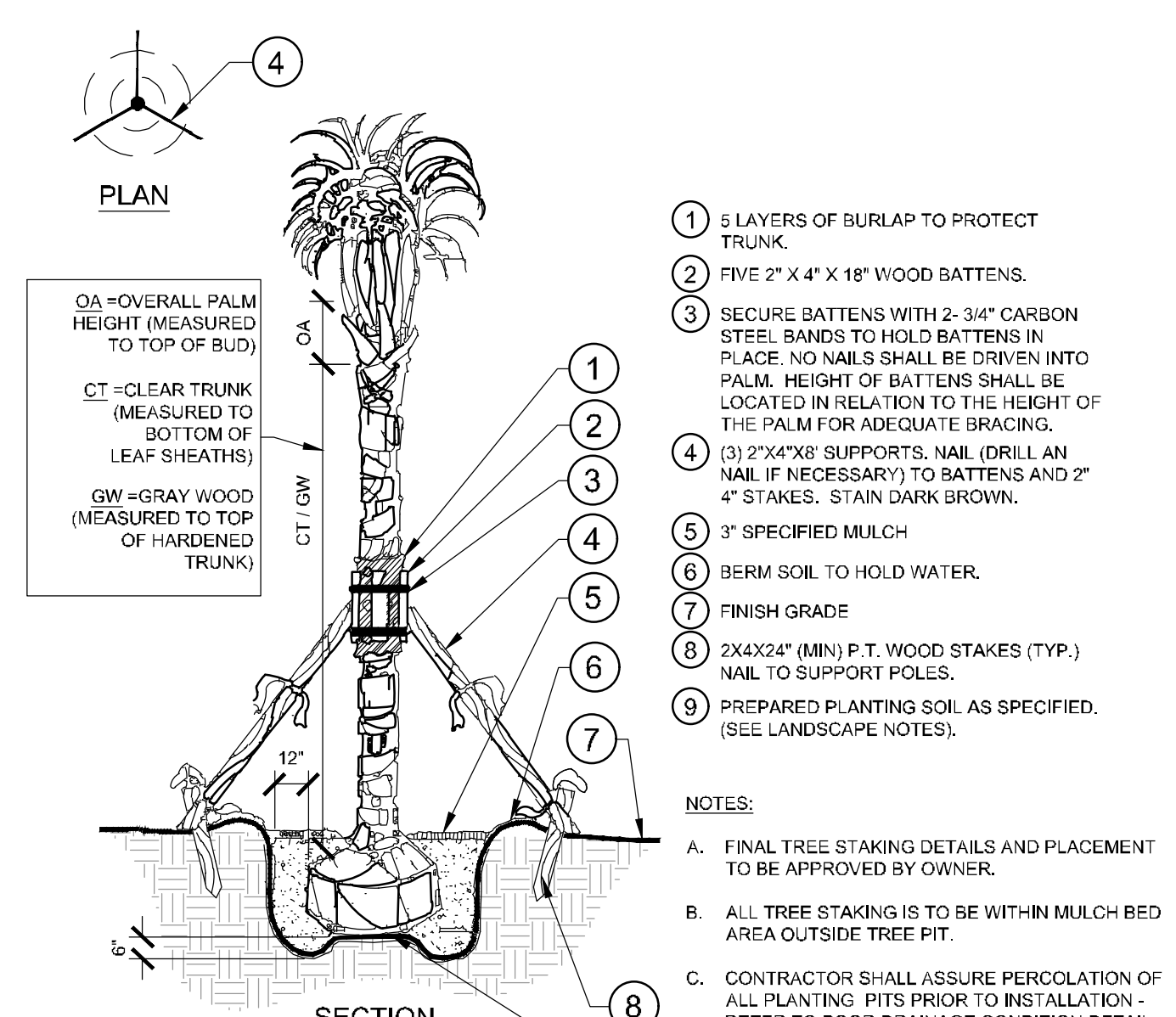
**8 SHRUB PLANTING AT FIRE HYDRANT**  
SECTION / PLAN NTS



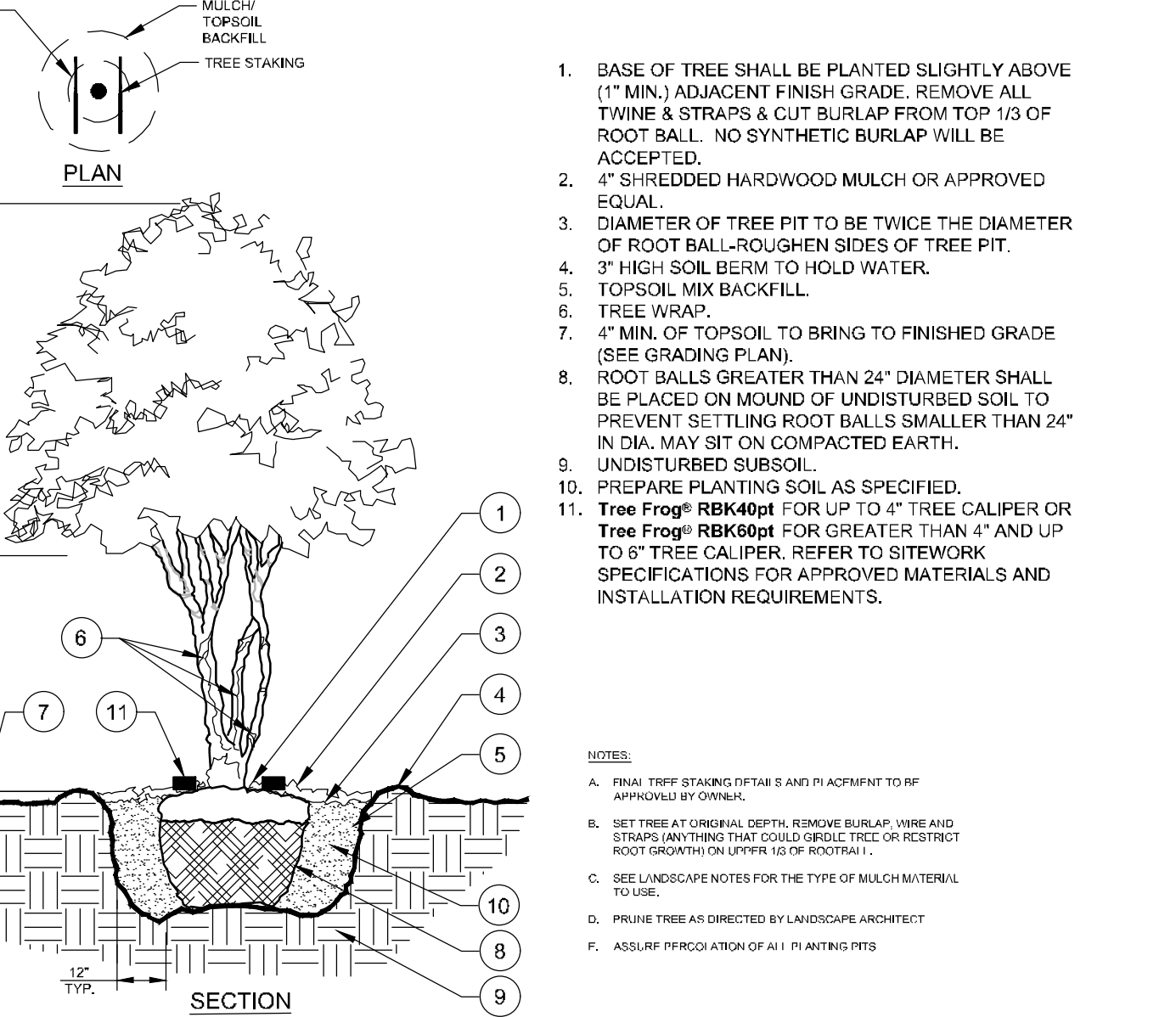
**9 POOR DRAINAGE CONDITION**  
SECTION / PLAN NTS



**10 TREE PROTECTION FENCING**  
ELEVATION / PLAN NTS



**11 PALM PLANTING**  
SECTION / PLAN NTS



**12 MULTI-TRUNK TREE PLANTING**  
SECTION / PLAN NTS

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NO.	REVISIONS	DATE	BY

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DATE	02/09/2023
SCALE	AS SHOWN
DESIGNED BY	AKP
DRAWN BY	AKP
CHECKED BY	AKP

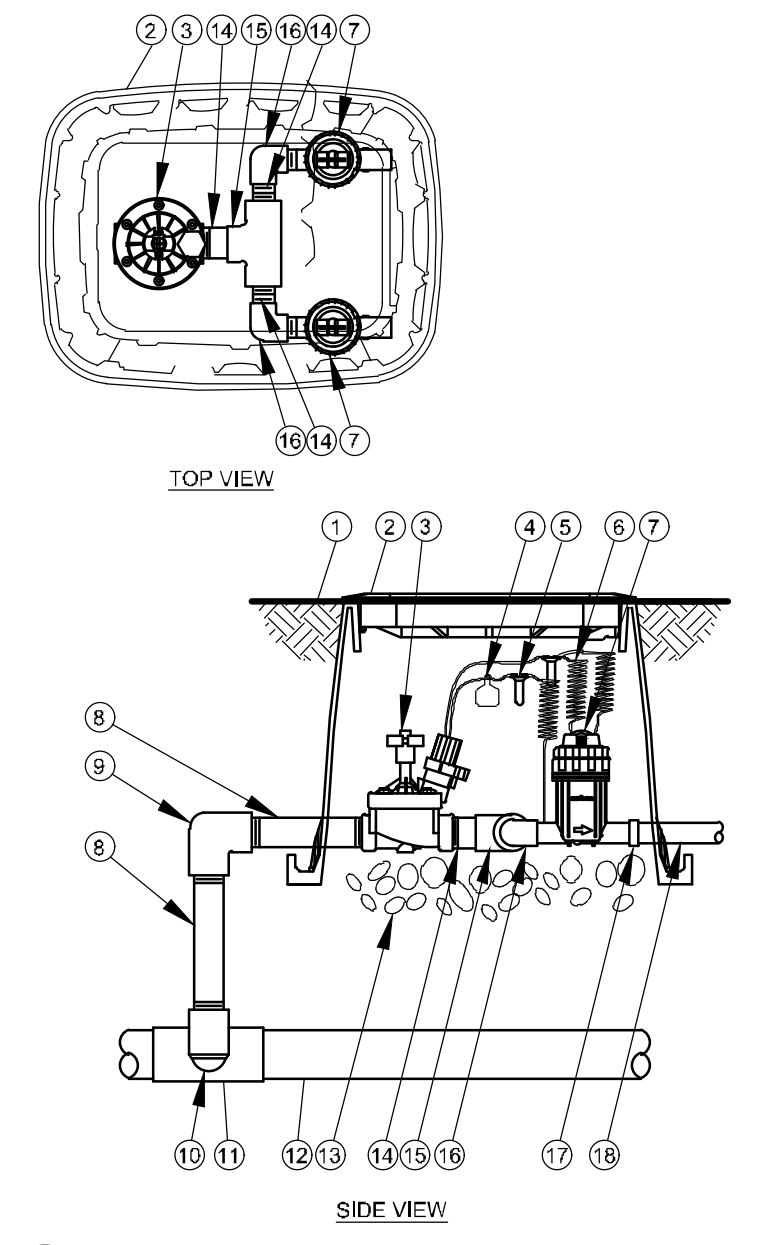
**LANDSCAPE DETAILS**

**WINDERMERE DOWNTOWN PROPERTY**

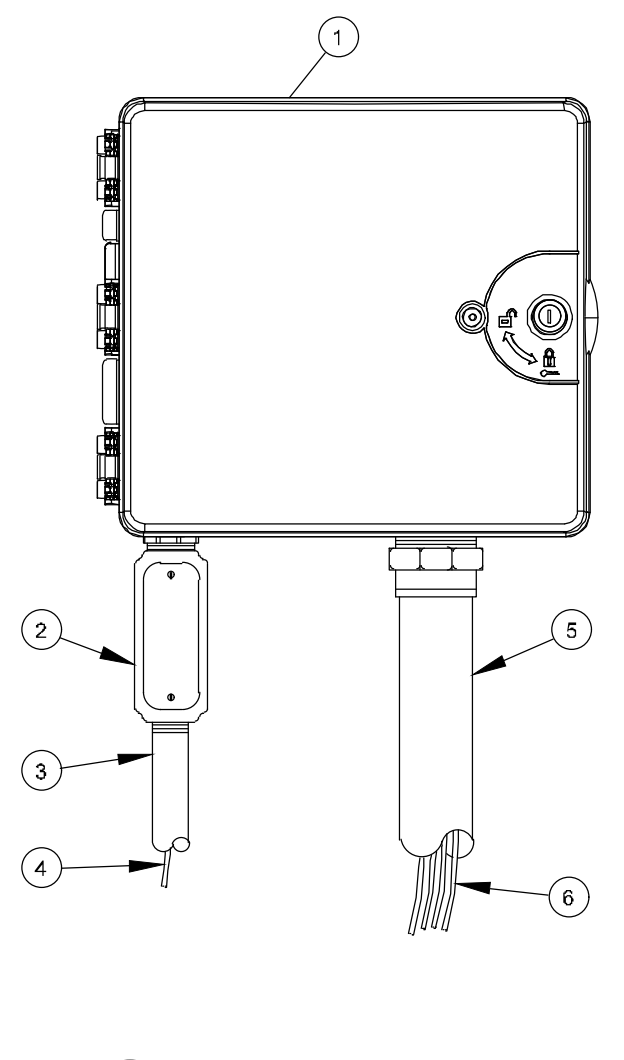
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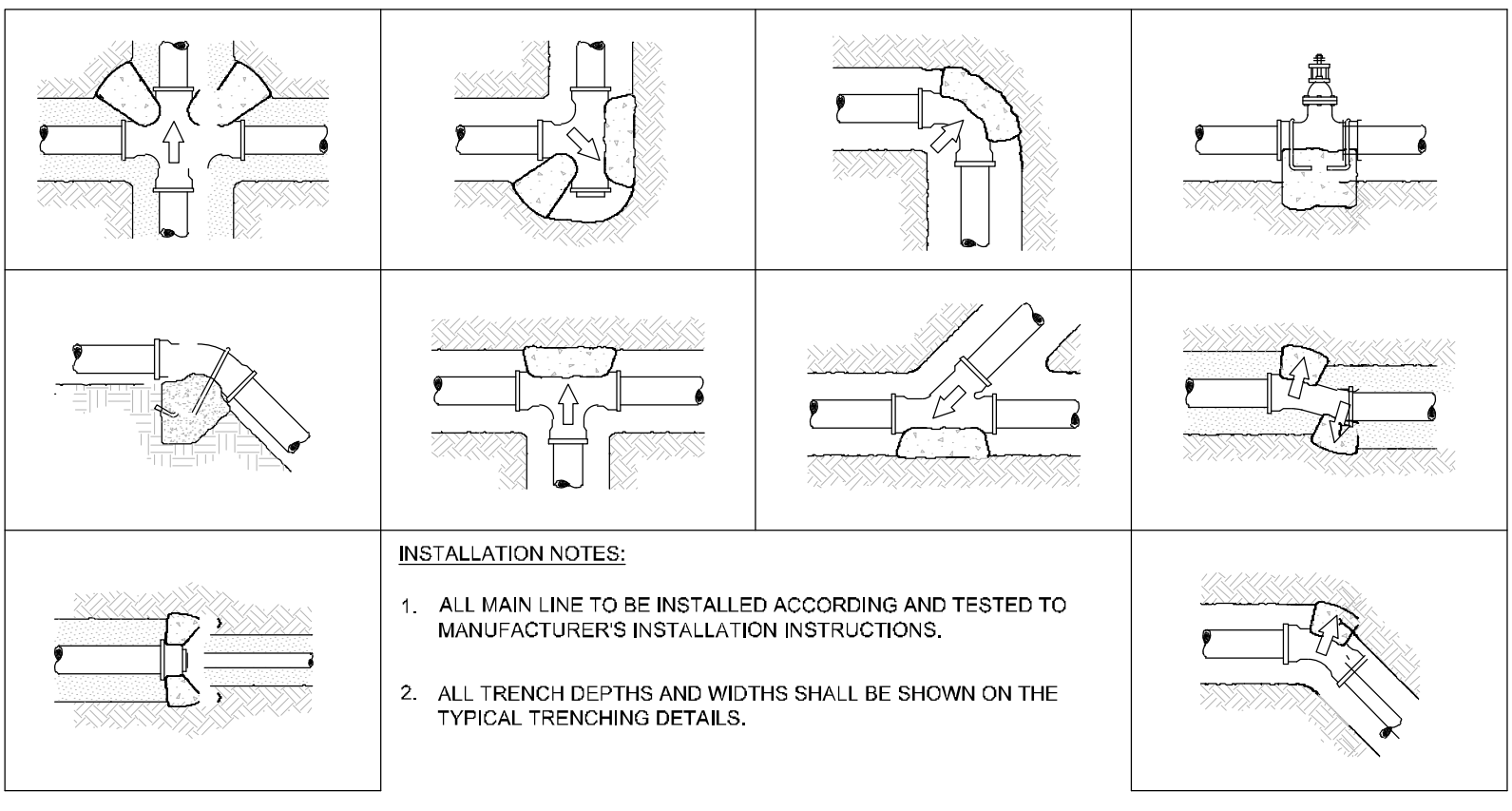
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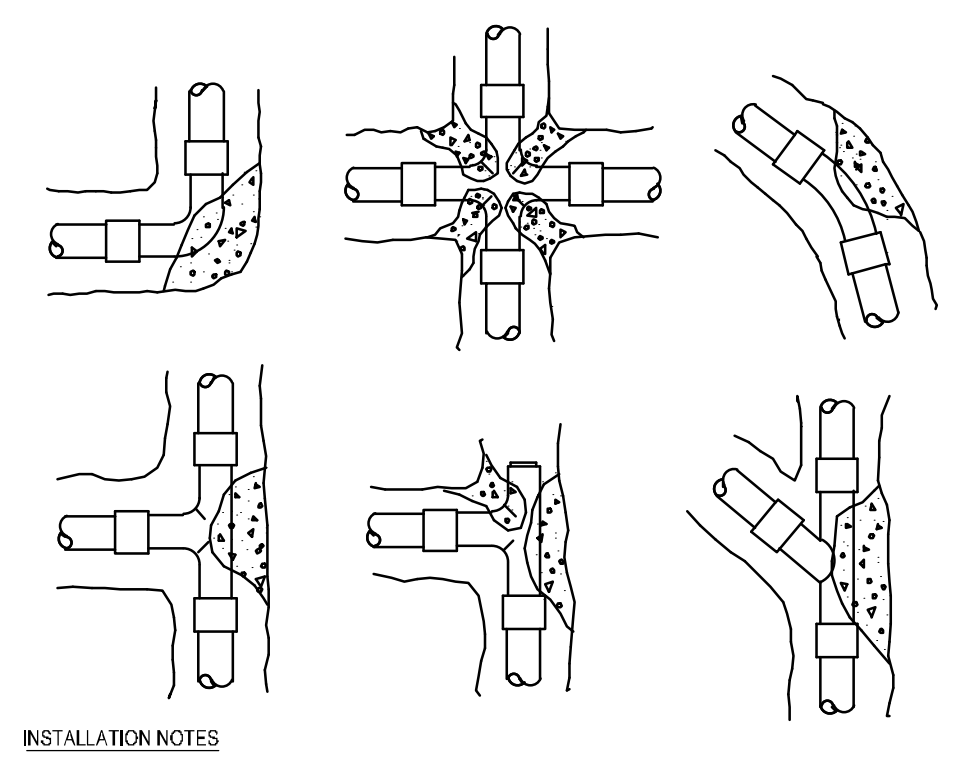
- 1 FINISH GRADE/TOP OF MULCH
- 2 VALVE BOX WITH COVER:
- 3 REMOTE CONTROL VALVE:
- 4 ID TAG
- 5 WATERPROOF CONNECTION:
- 6 30-INCH LINEAR LENGTH OF WIRE, COILED
- 7 PRESSURE REGULATING QUICK CHECK BASKET FILTER:
- 8 PVC SCH 80 NIPPLE (LENGTH AS REQUIRED)
- 9 PVC SCH 40 ELL
- 10 PVC SCH 80 NIPPLE (2-INCH LENGTH, HIDDEN) AND PVC SCH 40 ELL
- 11 PVC SCH 40 TEE OR ELL
- 12 MAINLINE PIPE
- 13 3-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL
- 14 PVC SCH 80 NIPPLE, CLOSE
- 15 PVC SCH 40 TEE
- 16 PVC SCH 40 ELL
- 17 PVC SCH 40 FEMALE ADAPTOR
- 18 LATERAL PIPE



- 1 IRRIGATION CONTROLLER: CONTROLLER (OWNER TO SPECIFY WALL MOUNT OR STAINLESS STEEL PEDESTAL MOUNT). INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
  - 2 JUNCTION BOX
  - 3 1-INCH CONDUIT AND FITTINGS TO POWER SUPPLY
  - 4 POWER SUPPLY WIRE
  - 5 2-INCH CONDUIT AND FITTINGS FOR STATION WIRES
  - 6 WIRES TO REMOTE CONTROL VALVES
- NOTES:
1. FOR EASE OF INSTALLATION INTO A CONTROLLER WITH MORE THAN 24 STATIONS, INSTALL A JUNCTION BOX AT THE BASE OF CONTROLLER AND TRANSITION LARGER VALVE AND COMMON WIRES FROM FIELD TO 18 AWG MULTI CONDUCTOR WIRE TO BE USED IN CONTROLLER.
  2. USE STEEL CONDUIT FOR ABOVE GRADE AND SCH 40 PVC CONDUIT FOR BELOW GRADE CONDITIONS.
  3. PROVIDE PROPER GROUNDING COMPONENTS TO ACHIEVE GROUND RESISTANCE OF 10 OHMS OR LESS.



- INSTALLATION NOTES:
1. ALL MAIN LINE TO BE INSTALLED ACCORDING AND TESTED TO MANUFACTURER'S INSTALLATION INSTRUCTIONS.
  2. ALL TRENCH DEPTHS AND WIDTHS SHALL BE SHOWN ON THE TYPICAL TRENCHING DETAILS.



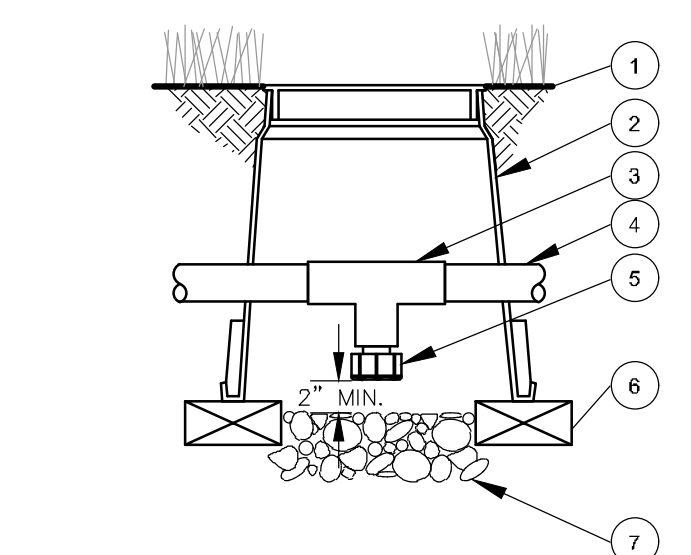
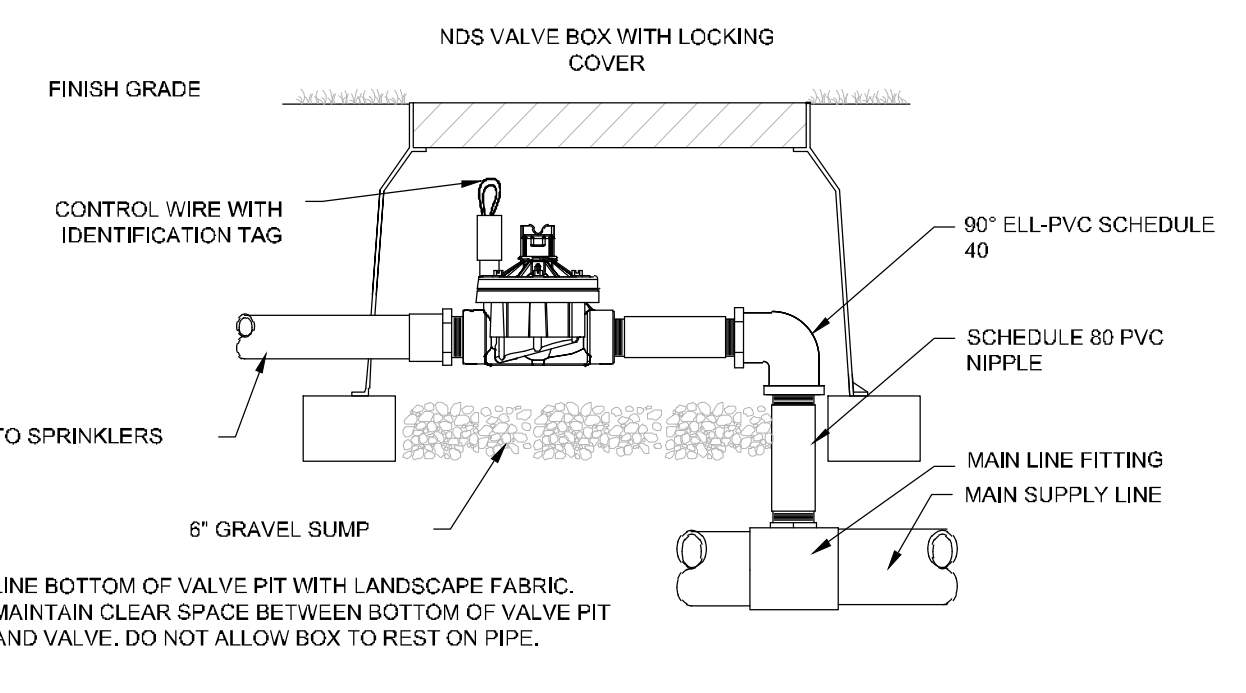
- INSTALLATION NOTES:
1. 3000 PSI CONCRETE OR BETTER IS TO BE USED FOR THRUST BLOCKS.
  2. FOR 45° 90° FITTINGS, MINIMUM OF 2 CUBIC FEET OF CONCRETE TO BE USED.
  3. FOR 22°/12° FITTINGS, MINIMUM OF 0.5 CUBIC FEET OF CONCRETE TO BE USED.
  4. FOR TEES, MINIMUM OF 2 CUBIC FEET OF CONCRETE TO BE USED. THRUST BLOCKS REQUIRED FOR IRRIGATION MAINLINE 2 1/2" AND LARGER.

1 COMMERCIAL CONTROL DRIP ZONE VALVE KIT SECTION / PLAN NTS

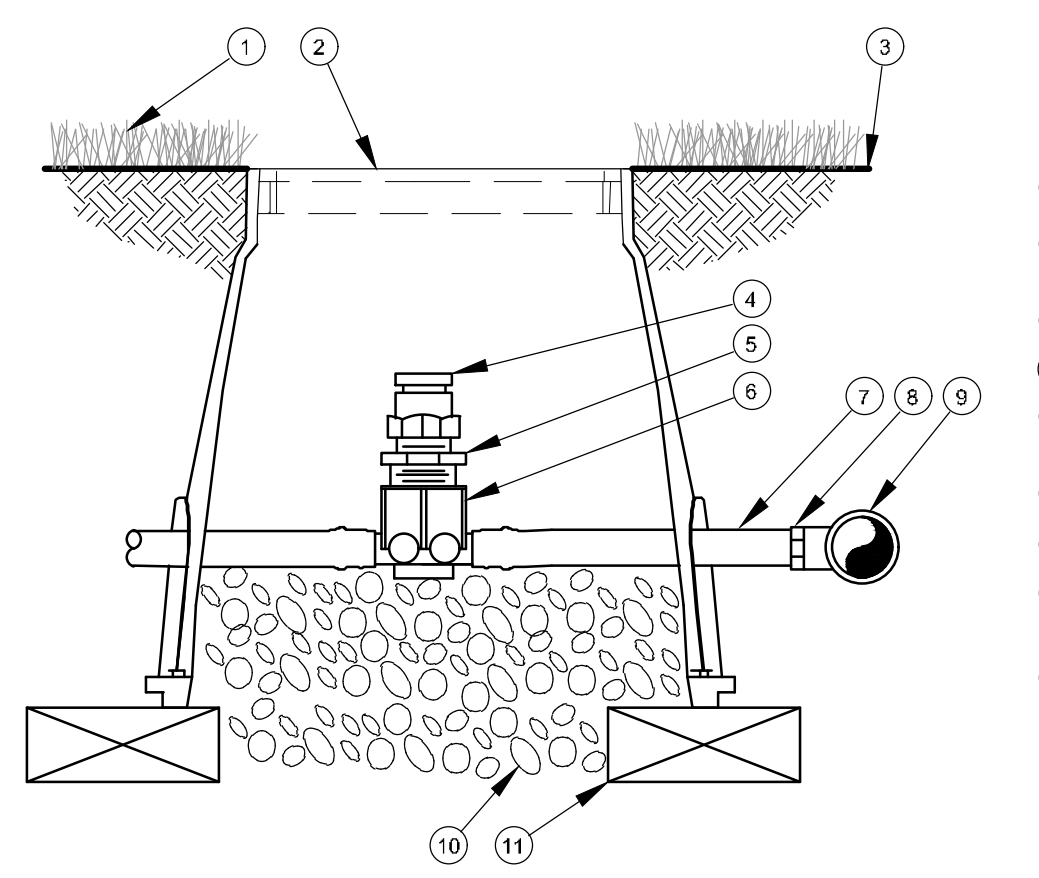
2 TYPICAL CONTROLLER ELEVATION NTS

3 TYPICAL THRUST BLOCK SECTION NTS

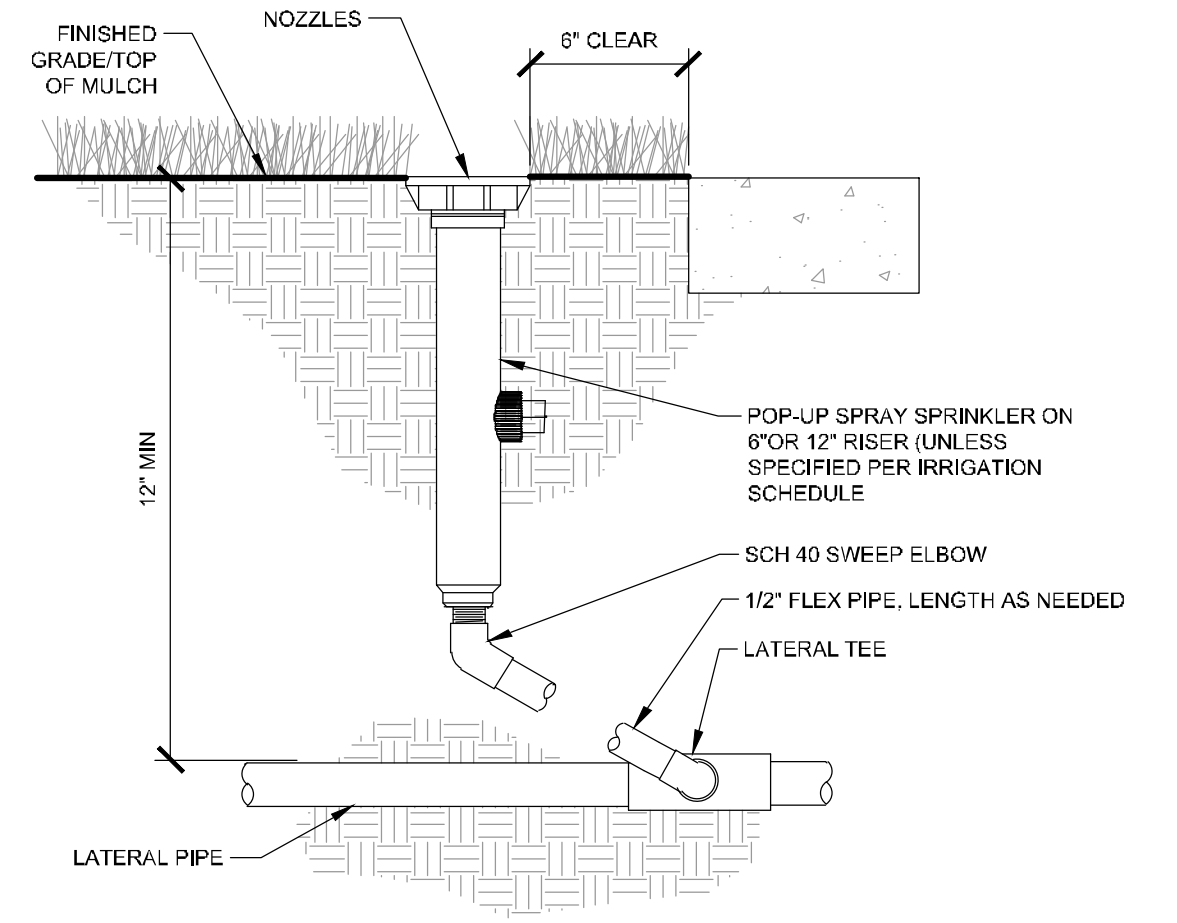
4 THRUST BLOCK REINFORCEMENT SECTION NTS



- 1 FINISH GRADE/TOP OF MULCH
- 2 VALVE BOX WITH COVER:
- 3 PVC SCH 40 TEE
- 4 PVC LATERAL PIPE
- 5 FILTERED DRAIN VALVE:
- 6 BRICK (1 OF 2)
- 7 6-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL



- 1 TURF GRASS
- 2 VALVE BOX LID
- 3 FINISH GRADE
- 4 1/2" AIR RELIEF VALVE: TO BE INSTALLED AT HIGH POINTS IN DRIP ZONE
- 5 1/2" X 3/4" PVC REDUCER BUSHING
- 6 BARB X FEMALE THREAD CONNECTOR:
- 7 1/2" BLANK DRIPLINE TUBING:
- 8 BARB X MALE THREAD CONNECTOR:
- 9 PVC TEE CONNECTED TO PVC HEADER PIPE
- 10 3" MINIMUM DEPTH OF 3/4" WASHED GRAVEL
- 11 BRICK (1 OF 2)



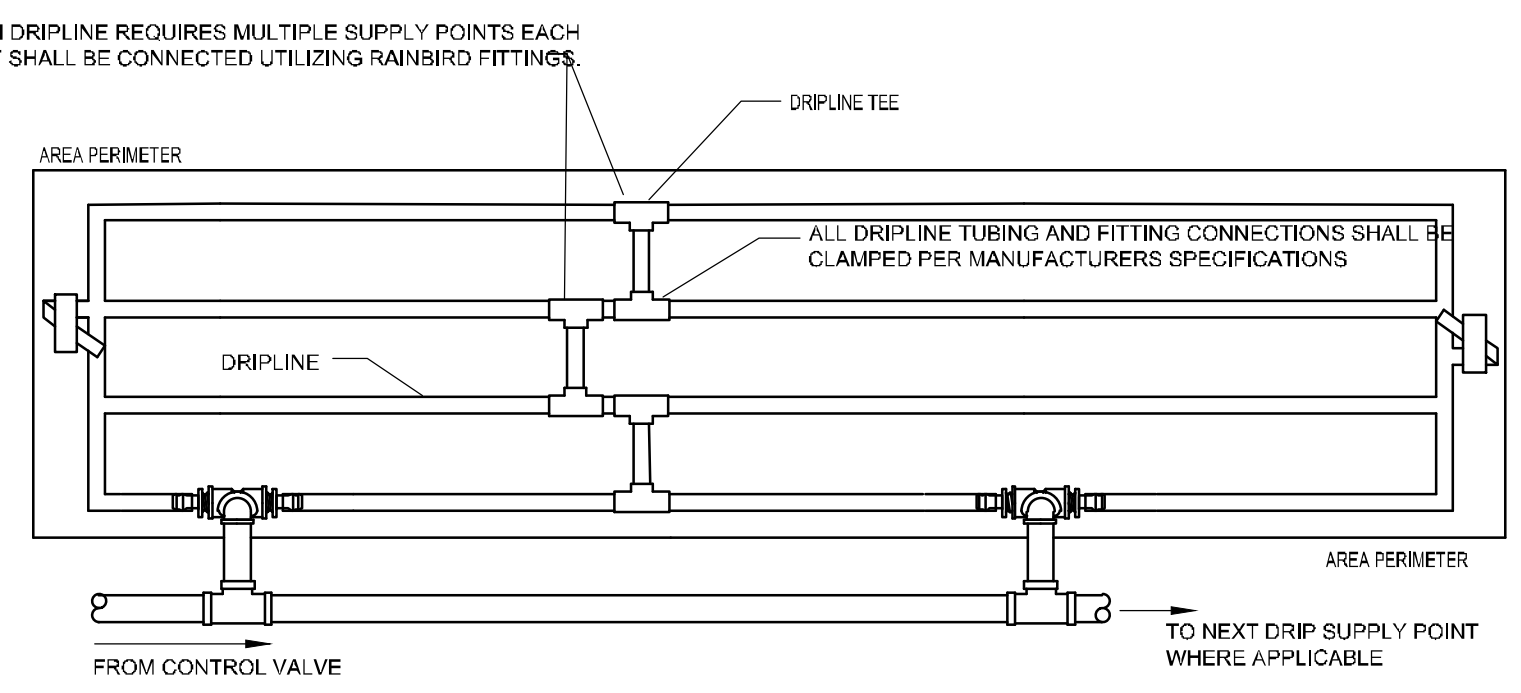
- 1 FINISHED GRADE/TOP OF MULCH
- 2 NOZZLES
- 3 8" CLEAR
- 4 POP-UP SPRAY SPRINKLER ON 8" OR 12" RISER (UNLESS SPECIFIED PER IRRIGATION SCHEDULE)
- 5 SCH 40 SWEEP ELBOW
- 6 LATERAL TEE
- 7 LATERAL PIPE
- 8 12" MIN

5 TYPICAL CONTROL VALVE SECTION NTS

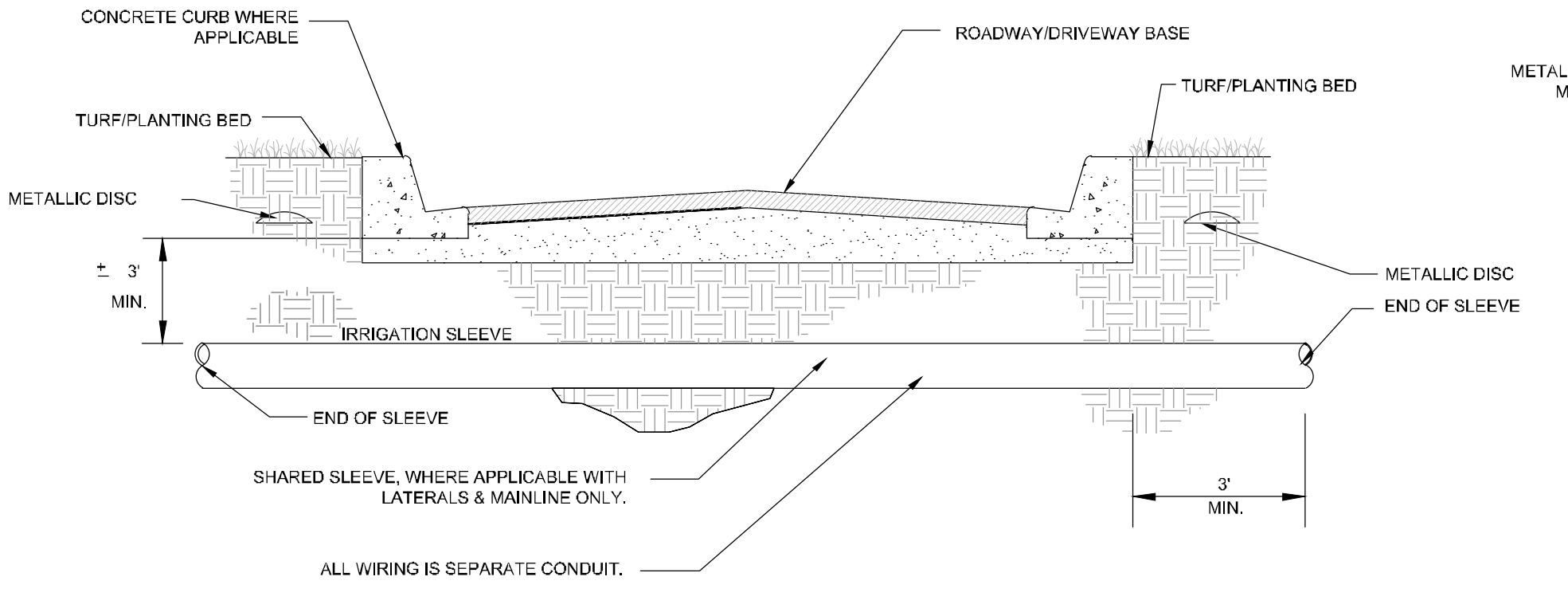
6 DRAIN VALVE SECTION NTS

7 AIR RELIEF VALVE IN XFS DRIP LINE SECTION NTS

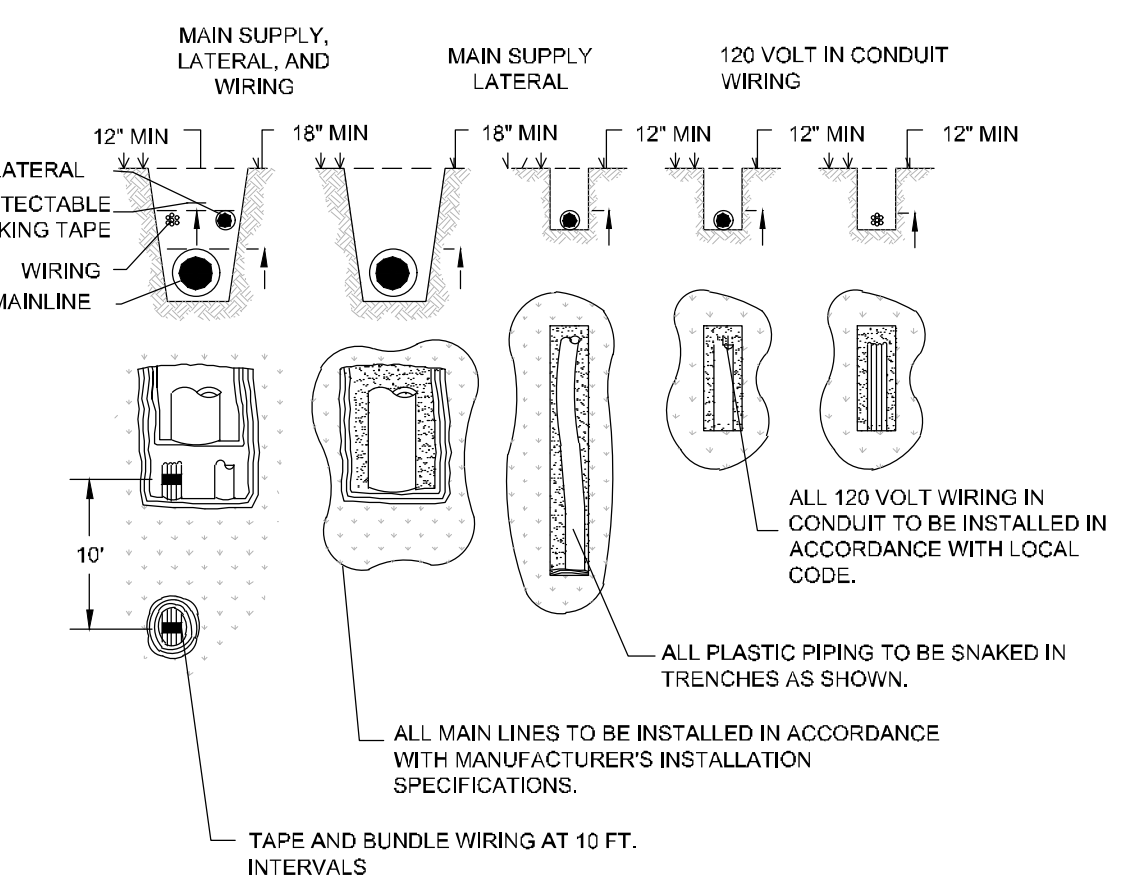
8 TYPICAL SPRAY / ROTAR HEAD SECTION NTS



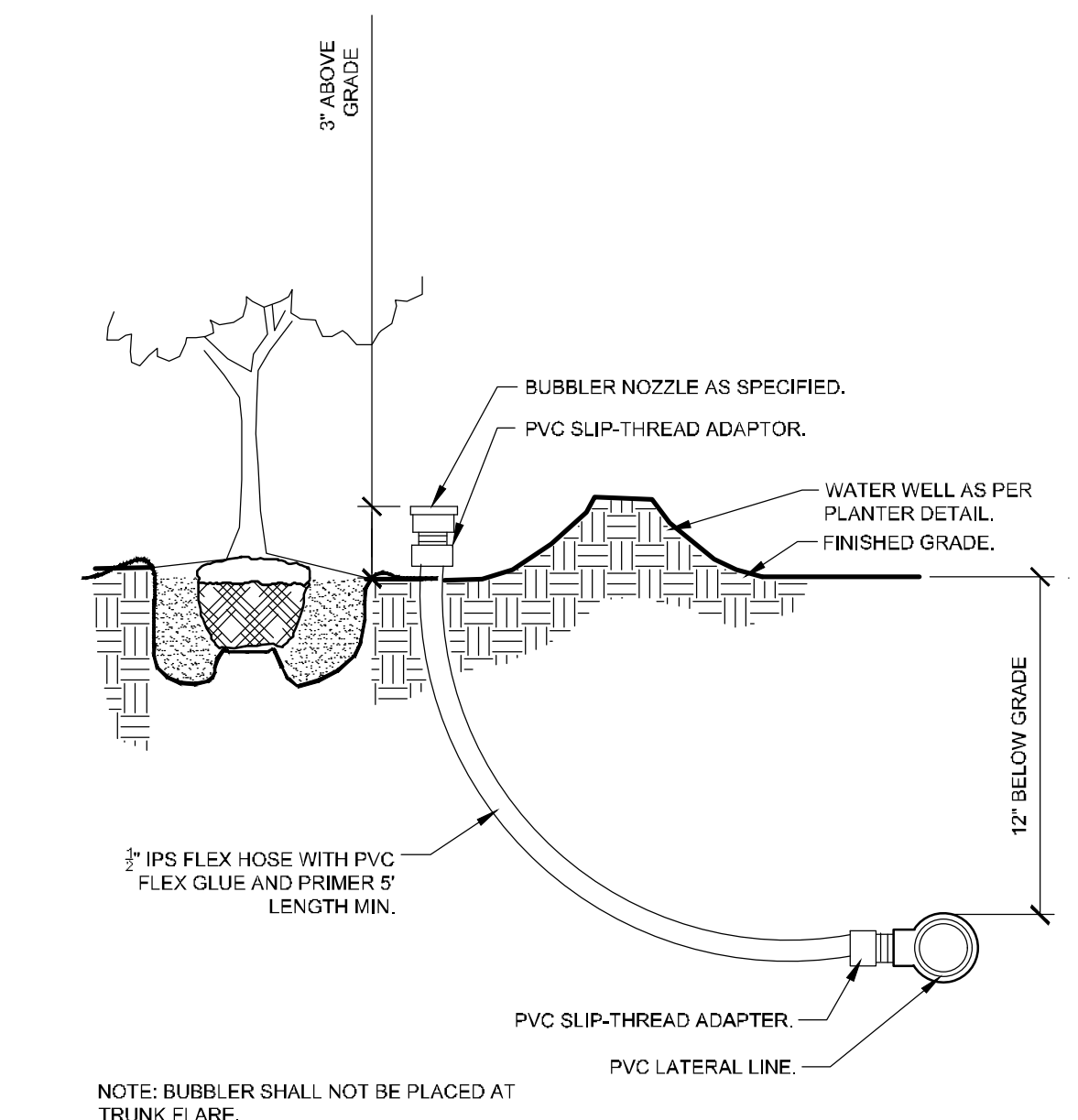
- WHEN DRIPLINE REQUIRES MULTIPLE SUPPLY POINTS EACH POINT SHALL BE CONNECTED UTILIZING RAINBIRD FITTINGS.
- ALL DRIPLINE TUBING AND FITTING CONNECTIONS SHALL BE CLAMPED PER MANUFACTURER'S SPECIFICATIONS.
- CONTRACTOR TO REFER TO IRRIGATION PLAN FOR LOCATION OF CONTROL VALVES THAT UTILIZE MULTIPLE DRIPLINE SUPPLY CONNECTIONS. IF NOT SHOWN, INSTALL WITHIN ADJACENT GREEN AREA NOT IN A HIGHLY VISIBLE AREA.
- NOTE:
1. DRIP TUBING TO BE ROUTED IN THE PLANT MATERIAL BED WITH AT MAXIMUM LATERAL SPACING OF 16 INCHES.
  2. DRIP TUBING TO BE INSTALLED IN A GRID PATTERN. DRIP TUBING SHALL NOT BE INSTALLED IN A LONG CONTINUOUS RUN.
  3. CONTRACTOR TO REFER TO IRRIGATION PLAN FOR LOCATION OF CONTROL VALVES THAT UTILIZE MULTIPLE DRIPLINE SUPPLY CONNECTIONS (IF SHOWN).



10 TYPICAL SLEEVING SECTION NTS



11 TYPICAL TRENCHING SECTION / PLAN NTS



12 TYPICAL BUBBLER SECTION NTS

WINDERMERE DOWNTOWN PROPERTY

IRRIGATION DETAILS

FL

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LICENSED PROFESSIONAL  
KHA PROJECT  
149973004

DATE  
02/09/2023

SCALE  
AS SHOWN

DESIGNED BY  
AKP

DRAWN BY  
AKP

CHECKED BY  
AKP

REVISIONS

DATE

BY

SHEET NUMBER  
**L2.50**



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**IRRIGATION SYSTEM NOTES:**

1. THE IRRIGATION MAINLINE LAYOUT IS DIAGRAMMATIC. ANY CHANGES MADE IN THE IRRIGATION MAINLINE DUE TO FIELD CONDITIONS OR CONTRACTOR'S SUBMITTED DESIGN SHALL BE IN ACCORDANCE WITH THESE STANDARDS.
2. SET SPRAY HEADS 6" AND ROTORS 12" IN FROM BACK OF CURB OR 24" IF PAVEMENT HAS NO CURB.
3. IRRIGATION CONTRACTOR IS RESPONSIBLE FOR PERFORMING ALL NECESSARY MODIFICATIONS REQUIRED TO MEET THE SCHEMATIC INTENT OF THESE PLANS PRIOR TO SUBMITTING PROPOSAL. THESE PLANS OUTLINE THE OVERALL LAYOUT THE SYSTEM AND IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ZONE THE SYSTEM ACCORDINGLY BASED ON FLOW AND PRESSURE AVAILABLE. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE FOLLOWING BUT NOT LIMITED TO AVAILABLE FLOW, AVAILABLE PRESSURE, CONNECTION ASSEMBLY, CAPACITY OF THE SYSTEM.
4. CONTRACTOR TO PROVIDE NEW AUTOMATIC CONTROLLER FOR PROPOSED SYSTEM (NO BATTERY OPERATED CONTROLLERS ALLOWED), COORDINATE LOCATION WITH OWNER.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AUTOMATIC RAIN SENSOR, COORDINATE LOCATION W/ OWNER.
6. IRRIGATION SHALL NOT BE COMBINED ON A SINGLE ZONE AND SHALL BE ZONED ACCORDING TO IRRIGATION TYPE, PRECIPITATION RATE, AND THE SYSTEM'S AVAILABLE WATER / PRESSURE. CONTRACTOR TO SUBMIT SHOP DRAWINGS TO OWNER FOR REVIEW PRIOR TO INSTALLATION.
7. 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 FIELD VERIFY.
8. CONTRACTOR TO FIELD VERIFY ALL POINT OF CONNECTION SOURCE INFORMATION INCLUDING PSI AND GPM PRIOR TO CONSTRUCTION.
9. INSTALLATION OF WORK SHALL BE COORDINATED WITH OTHER CONTRACTORS IN SUCH A MANNER AS TO ALLOW FOR A SPEEDY AND ORDERLY COMPLETION OF ALL WORK ON-SITE.
10. CONTRACTOR SHALL COORDINATE WITH THE PLANTING PLAN FOR PLANTER BED AND TREE LOCATIONS TO ENSURE ALL PLANT MATERIAL IS COVERED BY 100% HEAD-TO-HEAD IRRIGATION.
11. CONTRACTOR SHALL PROVIDE "AS-BUILT" DRAWINGS OF THE FINAL INSTALLATION TO OWNER AT SUBSTANTIAL COMPLETION BEFORE RECEIVING FINAL PAYMENT.
12. PRODUCTS SHALL BE AS SPECIFIED OR APPROVED EQUAL.

PRE-APPROVED MANUFACTURERS

1. TORO
2. HUNTER
3. RAINBIRD

13. 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. WORK IN THE R.O.W. SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF LOCAL AND/OR STATE JURISDICTION.
14. LOCATE ALL IRRIGATION LINES WITHIN LANDSCAPED AREAS WHENEVER POSSIBLE. ALL LINES UNDER PAVEMENT MUST BE SLEEVED WITHIN SCH. 40 PVC 2x SIZE OF PIPE AND FREE OF STONES/DEBRIS. ALL VALVES SHALL BE LOCATED WITHIN LANDSCAPED AREAS.
15. MAINLINE SHALL NOT BE LOCATED WITHOUT PRIOR APPROVAL OF THE OWNER'S REPRESENTATIVE.
16. THE IRRIGATION CONTRACTOR SHALL BE DIRECTLY RESPONSIBLE FOR SLEEVEING AND DIRECTIONAL BORES.
17. 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 THE SLEEVE SHALL BE NOTED AT EACH SLEEVE LOCATION ON THE "AS-BUILT" DRAWINGS. ALL SLEEVES ON PLAN FOR WALL PENETRATIONS AND UNDER SIDEWALKS SHALL BE SIZED TWO PIPE SIZES GREATER THAN THE PIPE IT CARRIES.
18. ALL PRESSURIZED MAINLINES AND LATERALS UNDER PAVEMENT SHALL BE WITHIN SCH. 40 PVC SLEEVES. WHERE ELECTRIC OR HYDRAULIC VALVE CONTROL LINES PASS THROUGH A SLEEVE WITH OTHER MAIN OR LATERAL LINES THEY SHALL BE CONTAINED WITHIN A SEPARATE, SMALLER CONDUIT.
19. NUMBER THE TOP OF ALL VALVE BOX LIDS WITH MINIMUM 1" HEIGHT BLACK LETTERS TO CORRESPOND TO AUTOMATIC AND GATE VALVE DESIGNATIONS. ALL HOSE BIBB VALVE BOXES SHALL BE LABELED IN A SIMILAR MANNER WITH THE DESIGNATION "HB", LETTER OUTSIDE OF TIME CLOCK CABINETS TO CORRESPOND WITH IRRIGATION CLOCK PROGRAM DESIGNATION.
20. THE IRRIGATION CONTRACTOR SHALL INSTALL A COLOR CODED METAL, DETECTABLE MARKING TAPE WHICH CLEARLY NOTES: "CAUTION: IRRIGATION LINE BURIED BELOW." THE TAPE SHALL BE INSTALLED THE FULL LENGTH OF THE IRRIGATION MAINLINE.
21. ELECTRIC SERVICE TO THE CONTROLLER SHALL BE PROVIDED BY THE GENERAL CONTRACTOR.
22. ALL 24 VAC WIRING FROM DECODER TO VALVE SHALL BE OF DIRECT BURIAL COPPER WIRE. MAXIMUM LENGTH OF WIRE FROM DECODER TO VALVE SHALL NOT EXCEED 400 FEET. AS FOLLOWS:  
CONTROL WIRES - #14  
COMMON WIRES - #14
23. ALL VALVES, SPLICES WITHIN CONTROL LINES, AND QUICK COUPLERS SHALL BE LOCATED WITHIN NDS VALVE BOXES AS FOLLOWS:  
-RECTANGULAR 12"x17" HEAVY DUTY BOX. (PURPLE COVER FOR REUSE TO BE PROVIDED WHERE APPROPRIATE).
24. ALL IRRIGATION HEADS/DRIP TUBING SHALL BE LOCATED ONE (1) FOOT FROM BACK OF CURB WHEN NEXT TO A ROADWAY. (THIS SHALL NOT INCLUDE PARKING AREAS OR DRIVE AISLES).
25. HEADS, LATERALS, EMITTERS, AND VALVES ARE NOT SHOWN, BUT ARE NECESSARY FOR A FULLY FUNCTIONING IRRIGATION SYSTEM.
26. LOCATE ALL VALVES IN PLANTING BEDS WITH A MINIMUM OF 3'-0" FROM BACK OF CURB OR EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED. PIPE SIZES ON EITHER SIDE OF SECTION VALVES CONNECTING MAINLINE TO SECTION LATERAL SHALL BE ONE (1) PIPE SIZE LARGER THAN VALVE SIZE. WHERE MAINLINES RUN PARALLEL TO PAVEMENT OR CURBING, THE MAINLINE SHALL BE OFFSET 2'-0" FROM THE EDGE OF PAVEMENT OR CURB.
27. IRRIGATION ZONES SHALL BE SEPARATED FOR HIGH AND LOW WATER USE REQUIREMENTS AND OPERATED ON DIFFERENT WATERING CYCLES. BUBBLERS, DRIPLINE, AND SPRAY HEADS SHALL BE SEPARATED ON DIFFERENT VALVES. AT NO TIME SHALL MULTIPLE IRRIGATION HEAD TYPES BE LOCATED ON THE SAME VALVE.
28. ALL DRIP ZONES SHALL BE INSTALLED WITH A FLUSH VALVE AND AIR RELIEF VALVE. IN THE EVENT THAT A DRIP ZONE HAS MORE THAN ONE HIGH OR LOW POINT, MORE THAN ONE AIR RELIEF VALVE OR FLUSH VALVE WILL BE REQUIRED FOR THAT ZONE. DRIPLINE SHALL PROVIDE 0.9 GPH EMITTERS, 12" O.C. WITH 12" LINE SPACING AT A MINIMUM.
29. ALL WIRING FOR CONNECTION OF THE VALVES TO THE CONTROLLER SHALL FOLLOW MANUFACTURERS SPECIFICATIONS. IF REQUIRED, ALL WIRING FOR A TWO WIRE PATH SHALL BE WITH RED/BLUE TWISTED PAIR 14 AWG. ELECTRIC CONTROL LINES FROM THE DECODER TO THE SOLENOID VALVES SHALL BE TWISTED PAIR 18 AWG. ALL DECODERS SHALL BE GROUNDED EVERY 1,000 L.F. OR EVERY 10 DEVICES. ALL WIRE SHALL BE FURNISHED IN MINIMUM 2,500' REELS AND SPLICING SHALL BE MINIMIZED. BURY SPLICE KIT. ALL 24 VOLT WIRING SHALL BE DONE IN ACCORDANCE WITH EXISTING CODES. SPLICING SHALL BE IN VALVE BOXES OR CONTROLLERS ONLY. IRRIGATION SYSTEM CONTROL SHALL BE TWO WIRE PATH. CONTRACTOR SHALL FOLLOW ALL MANUFACTURER'S REQUIREMENTS FOR THIS INSTALLATION. TWO WIRE SYSTEM SHALL HAVE 2-WAY COMMUNICATIONS FIELD PROGRAMMABILITY, STATION SPECIFICATIONS AND INTEGRATED SURGE PROTECTION.
30. ALL CONTROL WIRE SHALL BE INSTALLED IN A 1 1/2" ELECTRICAL CONDUIT.
31. SMALLEST DIAMETER LATERAL PIPE SHALL BE 3/4".
32. IRRIGATION SYSTEM SHALL BE CAPABLE OF SUPPLYING AN AVERAGE OF 1.05" OF WATER PER WEEK WITHIN WATERING RESTRICTIONS AS APPLICABLE.
33. IRRIGATION SYSTEM SHALL NOT BE INSTALLED THROUGH EXISTING, OR PRESERVED PLANT COMMUNITIES. DO NOT TRENCH THROUGH EXISTING ROOT SYSTEMS OF ANY VEGETATION INTENDED TO BE PRESERVED.
34. CONTRACTOR TO MINIMIZE IRRIGATION OVERTHROW TO IMPERVIOUS AND NATURAL AREAS THROUGH FIELD ADJUSTMENTS TO INDIVIDUAL HEADS.
35. ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED BY THE CONTRACTOR TO THE CONDITION DENOTED ON THE LANDSCAPE PLAN.
36. IRRIGATION PIPING INSTALLED UNDER ROADS AND SIDEWALKS SHALL BE IN SCHEDULE 40 PVC SLEEVEING AT 2X THE PIPE SIZE. ALL SLEEVEING SHALL BE FREE OF STONES AND DEBRIS.
37. IRRIGATION SOURCE TO BE EITHER WELL, POTABLE, OR NON-POTABLE WATER. IRRIGATION CONTRACTOR TO VERIFY SOURCE PRIOR TO DESIGN.
38. POINT OF CONNECTION TO BE DETERMINED BY OWNER. IRRIGATION SYSTEM CONNECTIONS TO THE LOCAL JURISDICTION SERVICE SHALL COMPLY WITH ALL APPLICABLE CODES.
39. IRRIGATION CONNECTION MAY REQUIRE BACKFLOW PREVENTION, VERIFY WITH LOCAL JURISDICTION.
40. IRRIGATION SYSTEM SHALL COMPLY WITH THE LOCAL JURISDICTION LAND DEVELOPMENT CODE.

WINDERMERE  
DOWNTOWN  
PROPERTY

TOWN OF WINDERMERE FL

IRRIGATION  
SPECIFICATIONS

KHA PROJECT  
149973004

DATE  
02/09/2023

SCALE  
AS SHOWN

DESIGNED BY  
AKP

DRAWN BY  
AKP

CHECKED BY  
AKP

LICENSED PROFESSIONAL  
MARCUS J. CEIGER, P.E.

FL LICENSE NUMBER  
89199

DATE  
5/3/2023

**Kimley»Horn**

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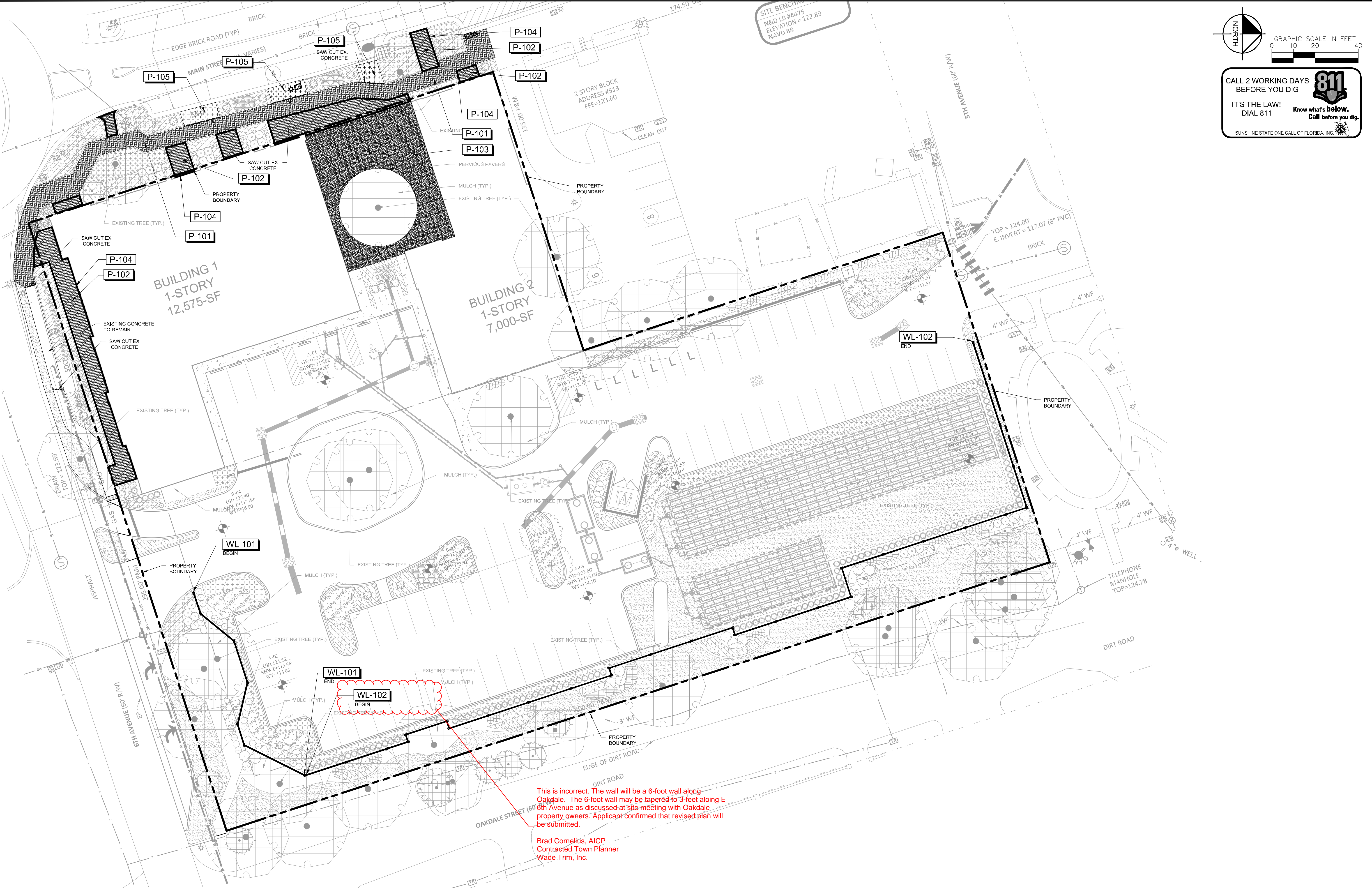
No.

REVISIONS

DATE

BY

Plotted By: Ceiler, Marcus Sheet: Sct: Windermere Downtown Property Layout: L3.01 May 03, 2023 06:23:06pm K:\081\_civil\149973004-Windermere Downtown Property\CADD\CONSTR\PlanSheets\L3.00 - HARDSCAPE PLAN.dwg  
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NORTH  
 GRAPHIC SCALE IN FEET  
 0 10 20 40  
**CALL 2 WORKING DAYS BEFORE YOU DIG**  
**IT'S THE LAW! DIAL 811**  
 Know what's below. Call before you dig.  
 SUNSHINE STATE ONE CALL OF FLORIDA, INC.

This is incorrect. The wall will be a 6-foot wall along Oakdale. The 6-foot wall may be tapered to 3-feet along E 8th Avenue as discussed at site meeting with Oakdale property owners. Applicant confirmed that revised plan will be submitted.  
 Brad Cornelius, AICP  
 Contracted Town Planner  
 Wade Trim, Inc.

**REFERENCE NOTES SCHEDULE**

SYMBOL	DESCRIPTION	QTY	MANUFACTURER	MODEL	COLOR	PATTERN	NOTES
[P-101]	BRICK PAVER FIELD - HERRINGBONE PATTERN	2,115 SF	BELGARD	HOLLAND STONE 60MM	GEORGIA BLEND	HERRINGBONE PATTERN	
[P-102]	BRICK PAVER FIELD - RUNNING BOND PATTERN	1,899 SF	BELGARD	HOLLAND STONE 60MM	GEORGIA BLEND	RUNNING BOND	INSTALL PER MANUFACTURER'S SPECIFICATIONS
[P-103]	PERMEABLE PAVER - INTERLOCKING GRID	2,376 SF	BELGARD	TURFSTONE	GRAY	VOIDS TO BE FILLED WITH PEA GRAVEL. GRAY AND WHITE BLEND	INSTALL PER MANUFACTURER'S SPECIFICATIONS; SEE DETAIL ON CIVIL PLANS
[P-104]	PAVER BANDING 1	448 SF	BELGARD	HOLLAND STONE 60MM	GEORGIA BLEND	SAILOR COURSE	INSTALL PER MANUFACTURER'S SPECIFICATIONS
[P-105]	EXISTING CONCRETE SIDEWALK TO REMAIN; CONTRACTOR TO SAW CUT TO LAYOUT SHOWN	335 SF					

SYMBOL	DESCRIPTION	QTY	MANUFACTURER	MODEL	WALL HEIGHT	WALL PANEL FINISH	WALL PANEL COLOR	COLUMN VENEER MANUFACTURER	COLUMN VENEER MODEL
[WL-101]	6 PERMACAST WALL	112 LF	PERMACAST	PERMACAST 2.0	6' HEIGHT	SAND FINISH	TO BE PROVIDED FROM OWNER	EL DORADO	HARTFORD
[WL-102]	3' PERMACAST WALL	464 LF	PERMACAST	PERMACAST 2.0	3' HEIGHT	SAND FINISH	TO BE PROVIDED FROM OWNER	EL DORADO	HARTFORD

**WINDERMERE DOWNTOWN PROPERTY**

TOWN OF WINDERMERE

**HARDSCAPE PLAN**

REVISIONS

No.	DATE	BY

LICENSED PROFESSIONAL

KHA PROJECT 149973004

DATE 02/09/2023

SCALE AS SHOWN

DESIGNED BY AKP

DRAWN BY AKP

CHECKED BY AKP

**Kimley»Horn**

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SHEET NUMBER

**L3.01**