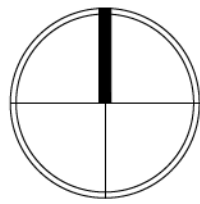
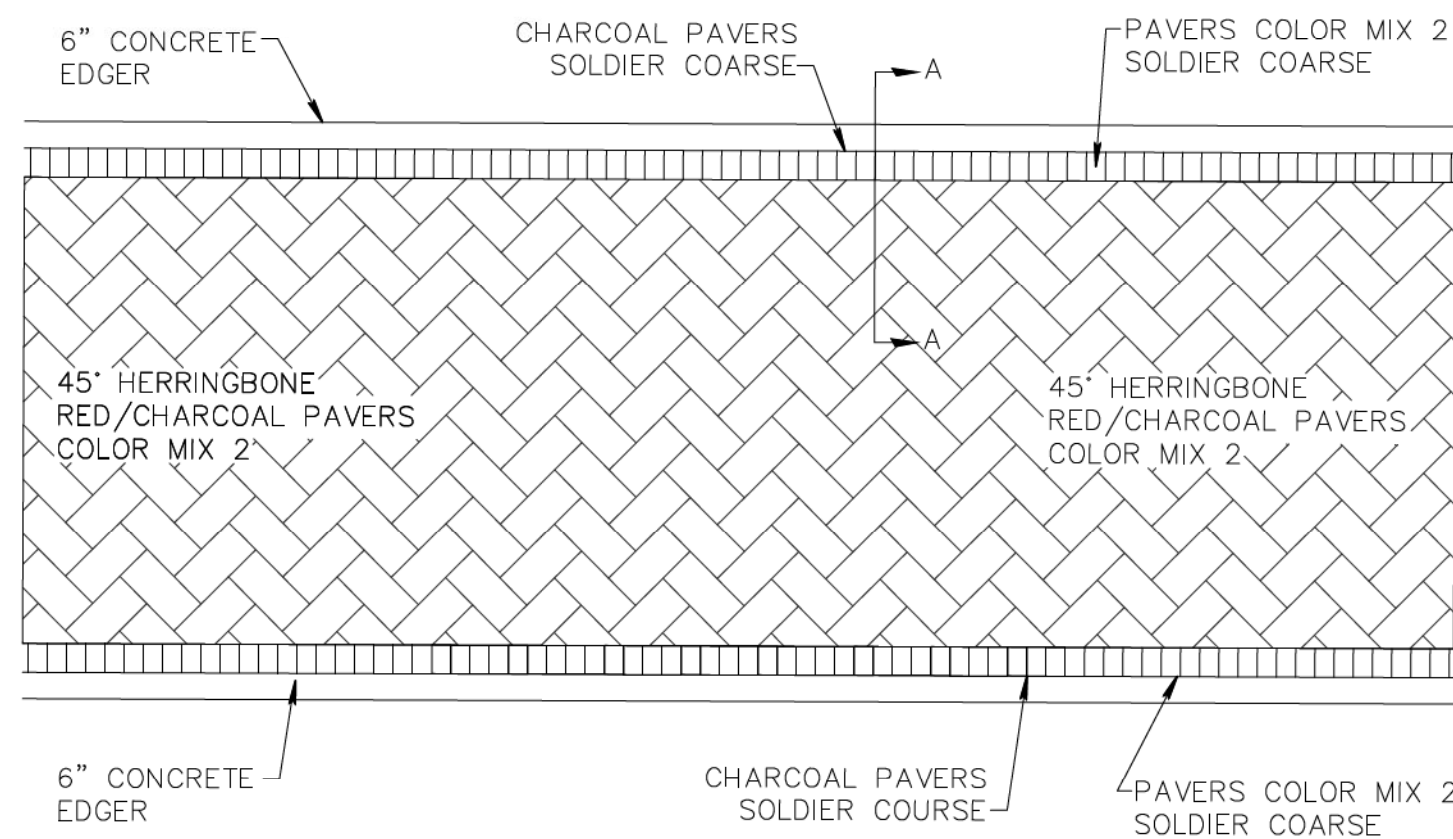
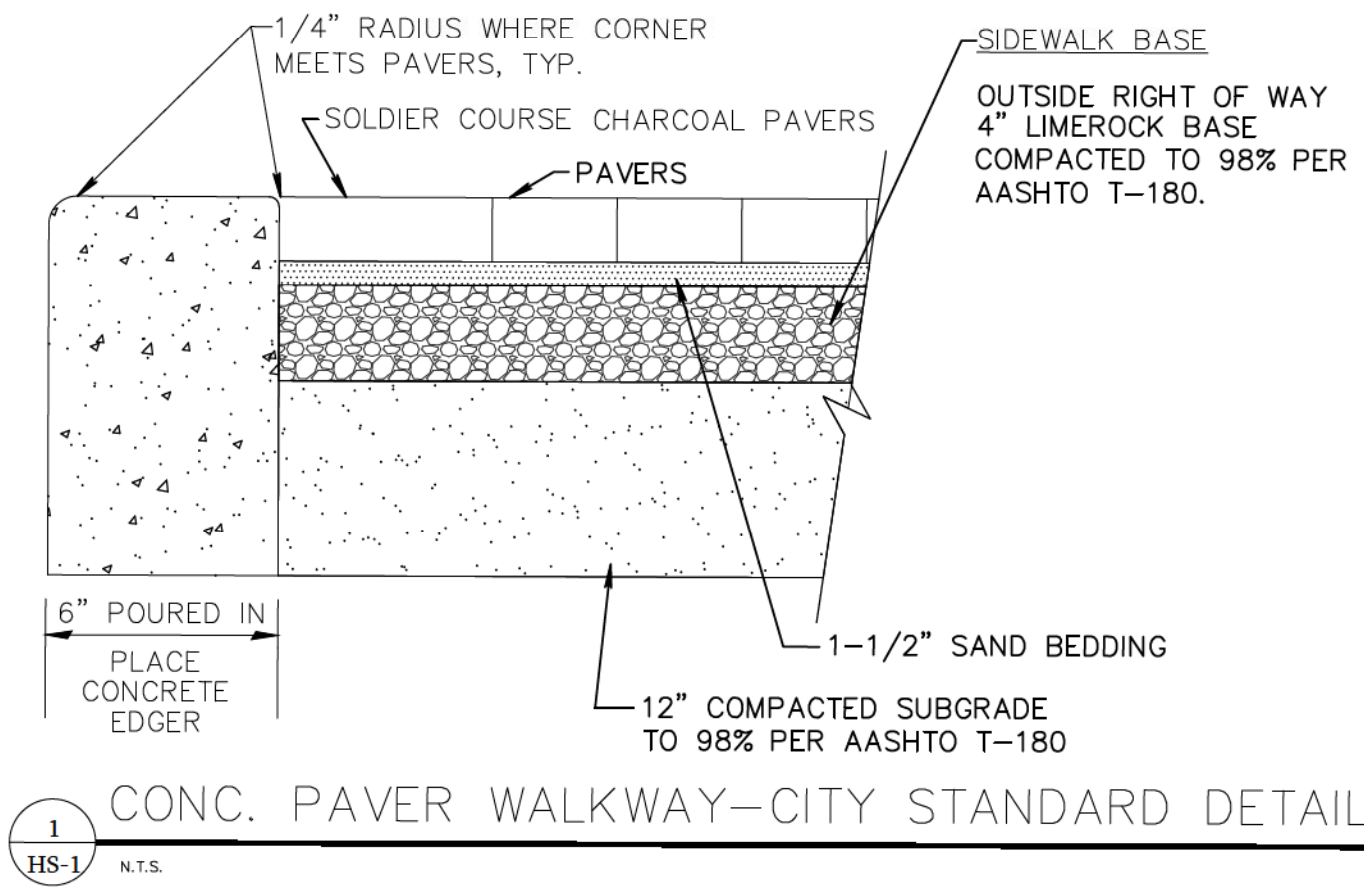
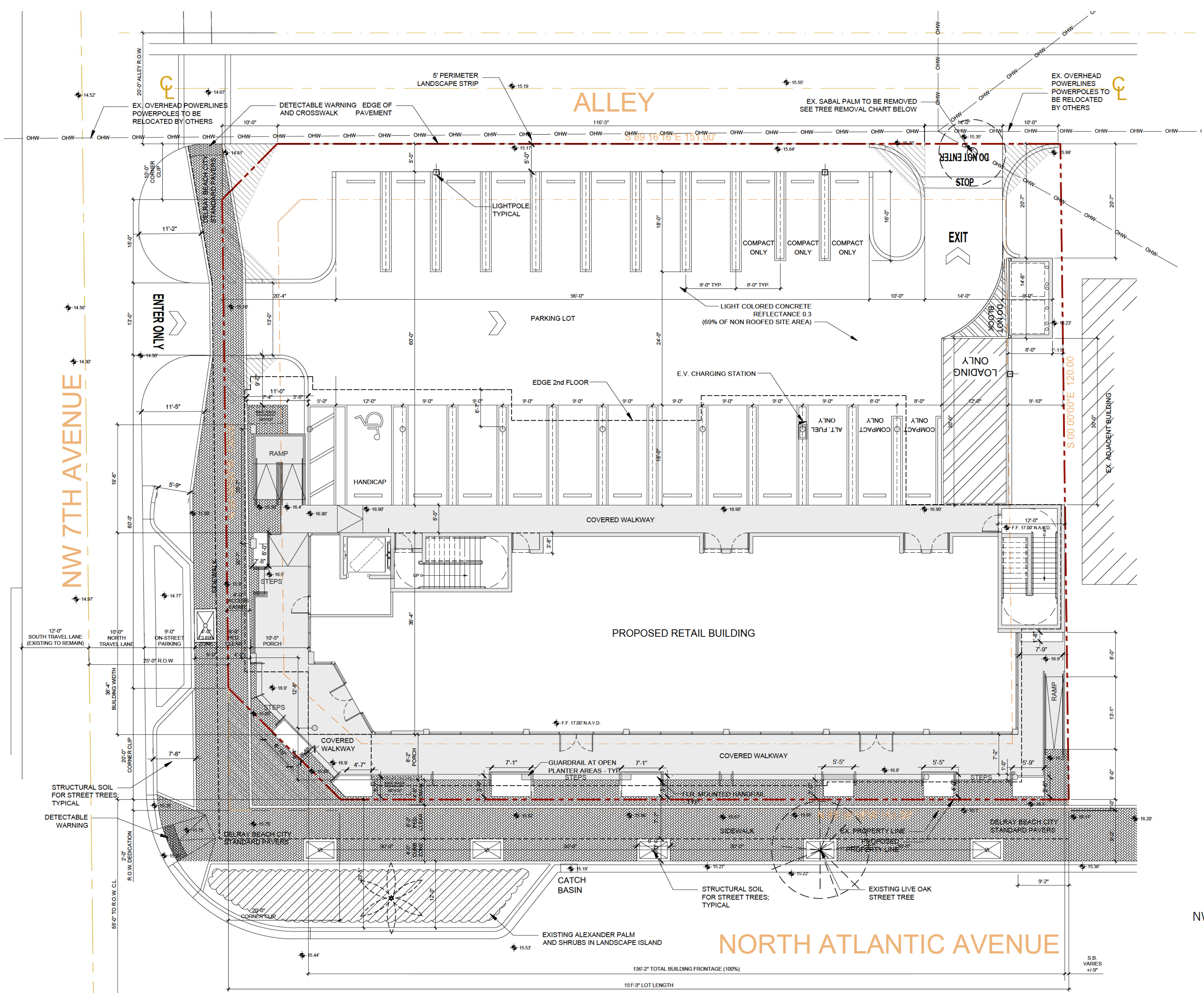


Carol B Perez
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by Carol B Perez
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SCALE: 1" = 10'



PROJECT

BANYAN WEST ATLANTIC
NW 7TH AVE & ATLANTIC BLVD

DELRAY BEACH, FL

TITLE

HARDSCAPE PLAN

PROJ. NO.

FILE NAME

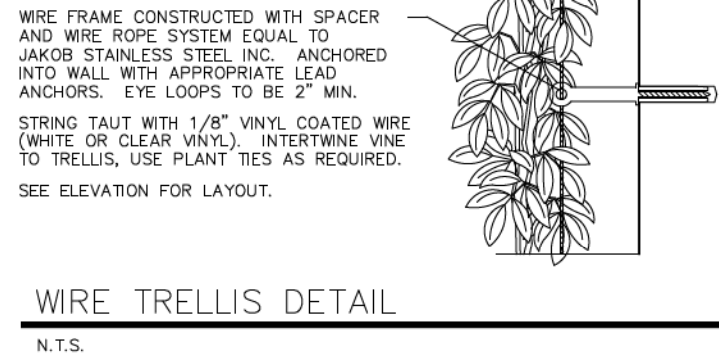
BB DRAWN

05-20-22 DATE

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HS-1
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WIRE TRELLIS DETAIL
N.T.S.

VINE SUPPORT DETAIL
N.T.S.

PLANT LIST

KEY	QTY	PLANT AND SPECIFICATION
TREES		
** BA	5	Bulnesia arborea (Bulnesia) 16' ht., 8' spr., 8' c.t. 6' single straight trunk, full, matched
** N CES	6	Conocarpus erectus 'Sericeus' (Silver Buttonwood) 16' ht., 7' spr., 8' c.t. 6' single straight trunk, full, matched, right tree right place
** N QV	7	Quercus virginiana (Live Oak) 16' ht., 8' spr., 8' c.t., 6' single straight trunk, matched
TA	1	Tabebuia argentea (Yellow Tabebuia)
TH	1	Tabebuia heterophylla (Pink Tabebuia) 14' ht., 8' spr., 6' c.t., 6' single straight trunk

PALMS AND ACCE

** PM	2	Ptychosperma macarthurii (Macarthur Palm) 16' ht., clump, 8' c.t., full
** BGS	2	Bougainvillea arborea (Red Bougainvillea Tree) 8' ht., 6' spr., standard, 4' c.t., full
** N MF	6	Myrcianthes fragrans (Simpson's Stopper) 8'-10' ht., 4' spr., multi-trunk, matched

VINES

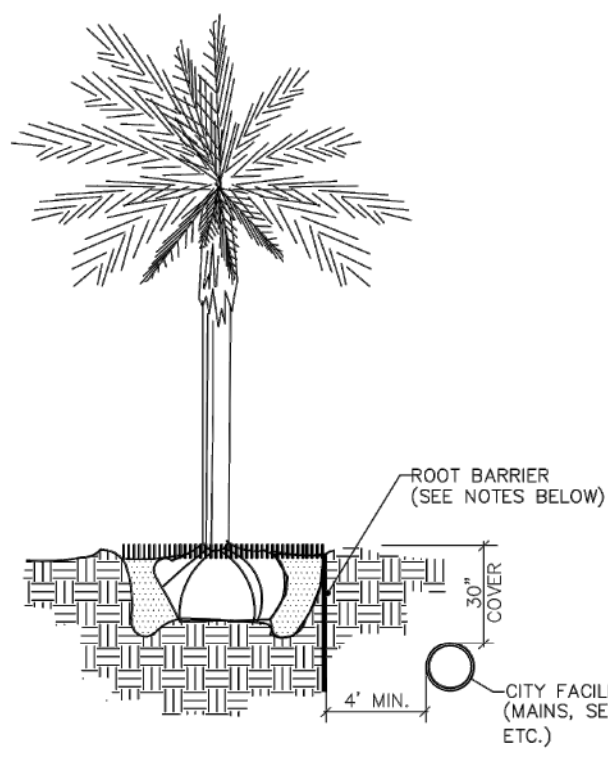
CON	5	Trachelospermum jasminoides (Confederate Jasmine) 8' ht. train to trellis columns
THU	5	Thunbergia grandiflora (Sky Vine) 8' ht. train to wall

SHRUBS AND GROUNDCOVERS

ARA	170	Arachis glabrata (Perennial Peanut) 4" ht., 12" spr., 4" pots., 12" o.c., full
ALO	6	Alcocia portora (Giant Elephant Ear) 4' ht., full clump, matched
BRO	omit	Acanthaceae odorata (Giant Silver Bromeliad) 30" spr., 30" ht., matched
** N CHR	74	Chrysalobianus icaco (Cocoplum) 24" ht., 24" spr., full, 24" o.c.
** FGI	180	Ficus microcarpa 'Green Island' (Green Island Ficus) 14" ht., 14" spr., 18" o.c., full
** N HYM	35	Hymenocallis latifolia (Spider Lily) 24" ht., 8' spr., full, 2' o.c.
** N LAN	38	Lantana sp. 'Yellow Trailing' (Yellow Trailing Lantana) 14" ht., 14" spr., 18" o.c., full
** N LAM	40	Lantana montevidensis (Purple Trailing Lantana) 14" ht., 14" spr., 18" o.c., full
** LIR	92	Liriope muscari 'Super Blue' (Super Blue Liriope) 12" ht., 12" spr., 12" o.c., full
** N MUH	31	Muhlenbergia capillaris (Muhly Grass) 24" o.a., full, 30" o.c.
PBM	16	Philodendron 'Burle Marx' (Burle Marx Philodendron) 16" ht., 16" spr., 18" o.c., full
POD	44	Podocarpus macrophyllus (Podocarpus) 6' ht., 20" spr., full, 24" o.c.
PRI	132	Podocarpus macrophyllus 'Pringles' (Pringles Podocarpus) 18" ht., 18" spr., full, 18" o.c.
PRC	10	Philodendron 'Rojo Congo' (Rojo Congo Philodendron) 24" ht., 24" spr., 30" o.c., full

N DENOTES NATIVE SPECIES
** DENOTES DROUGHT TOLERANT

MULCH	Brown mulch, non-Cypress, 3" depth, contractor to determine quantity
SOD	St. Augustine 'Palmetto' Sod see plan for locations, contractor to determine quantity

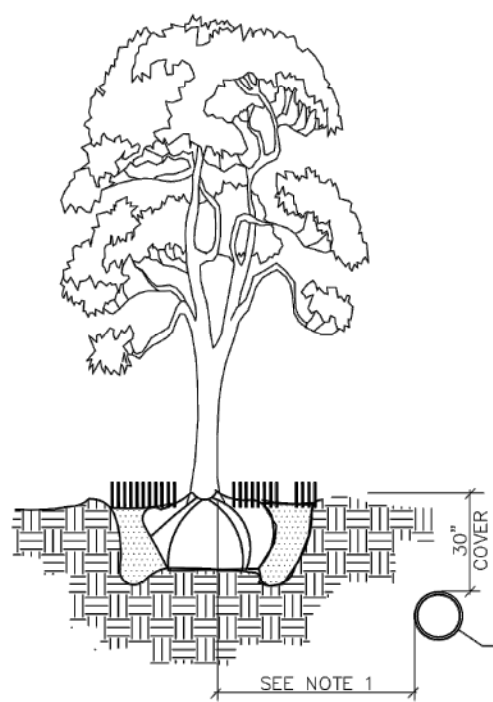


NOTES:

- ALL ROOT BARRIERS SHALL BE 4" MINIMUM FROM ALL CITY FACILITIES.
- THE INSTALLATION OF ROOT BARRIERS SHALL BE COORDINATED WITH CITY AND INSPECTED BY CITY PRIOR TO BACKFILLING. ALL ROOT BARRIERS SHALL EXTEND UP TO FINISHED GRADE.
- ROOT BARRIERS SHALL BE MINIMUM 36" DEEP. APPROVED PRODUCTS INCLUDE "DEEP ROOT" AND "ROOT SOLUTIONS". FLEXIBLE BARRIERS SHALL BE 36" PANELS MANUFACTURED BY BIOBARRIER.
- ALL ROOT BARRIERS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS WRITTEN INSTRUCTIONS.



TYPICAL TREE WITH ROOT BARRIER
LD 1.1



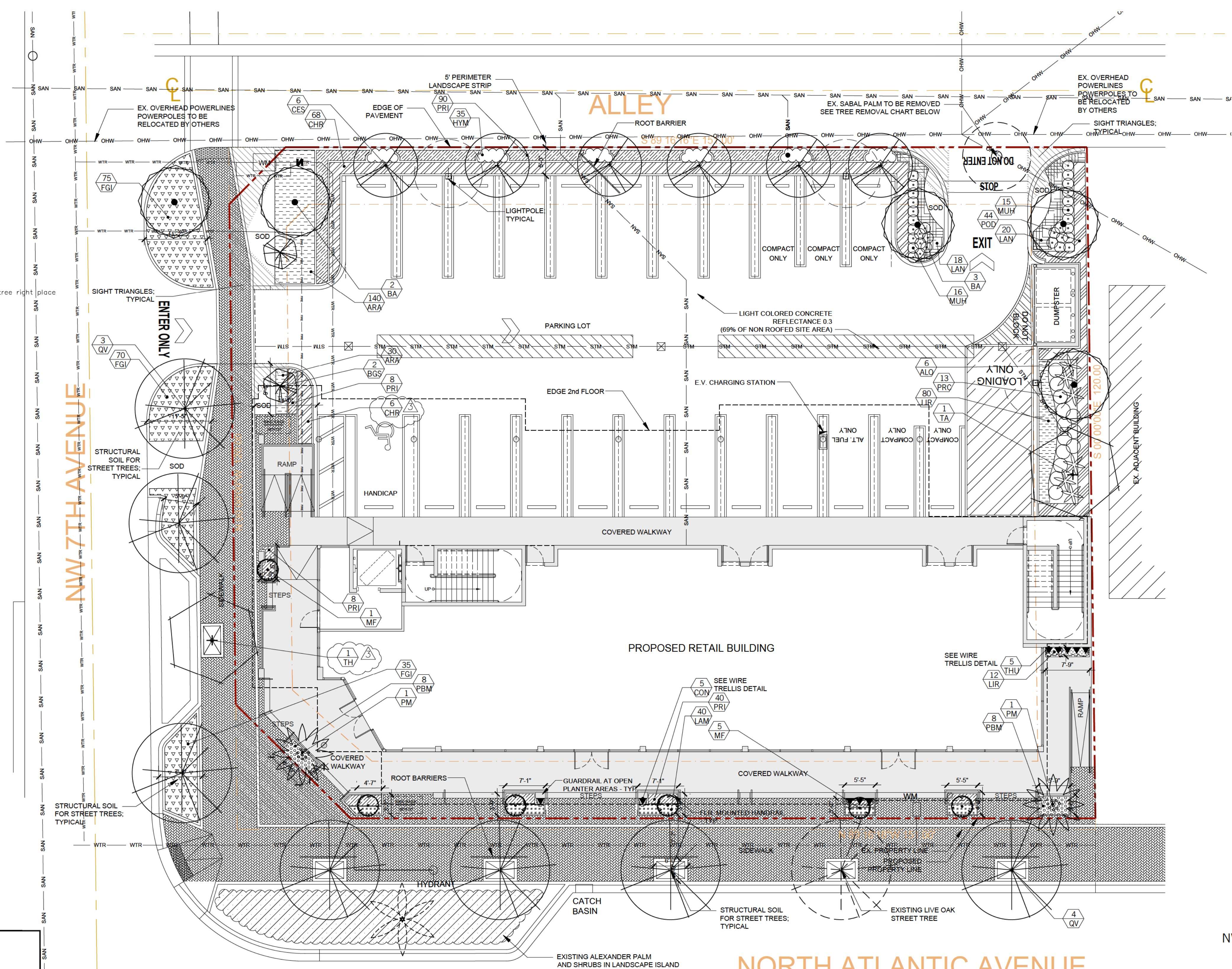
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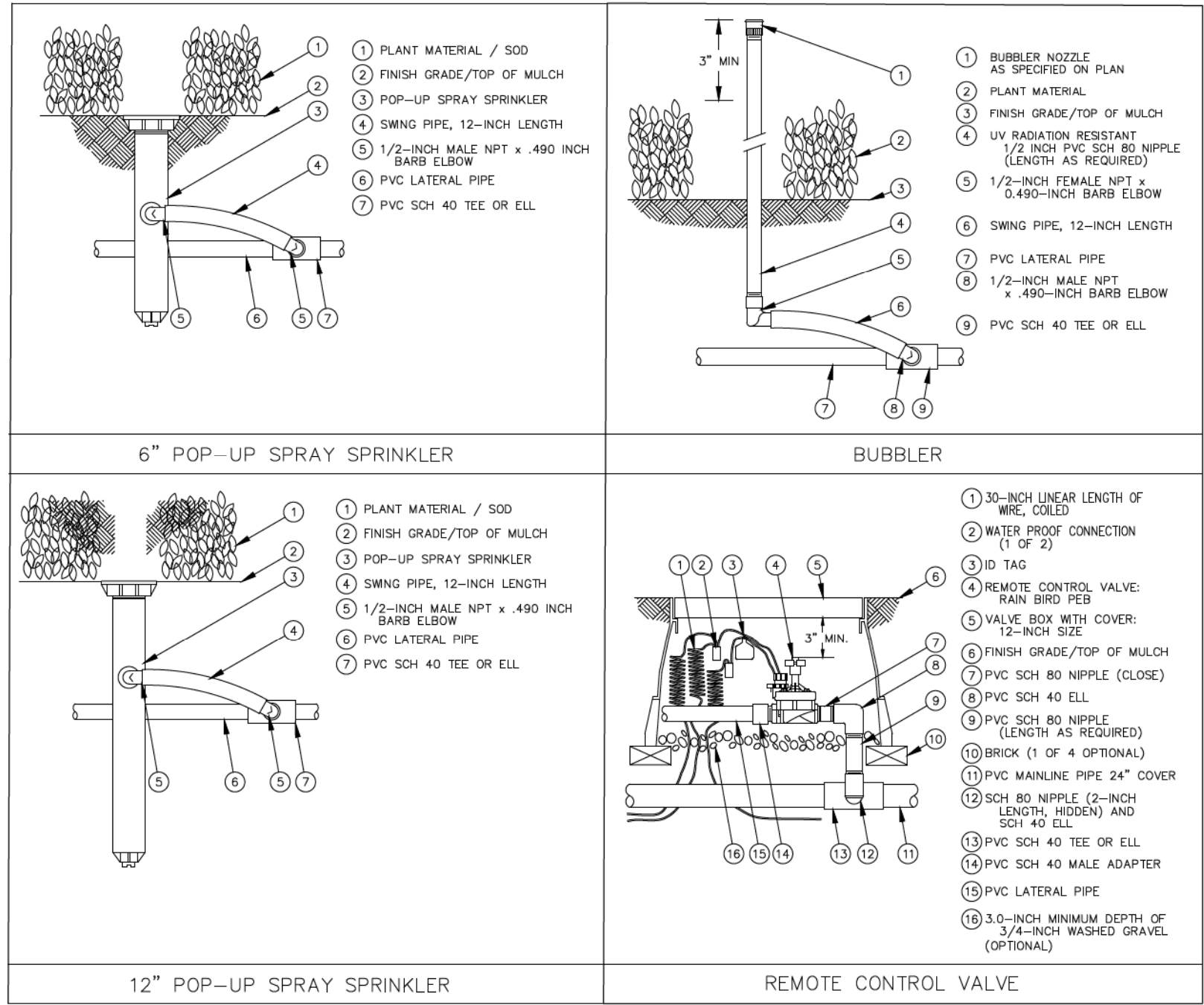
- THIS DISTANCE SHALL BE 10" MINIMUM FROM ALL CITY FACILITIES IF NO ROOT BARRIER IS USED.



TYPICAL TREE WITHOUT ROOT BARRIER
LD 1.2

NOTE:
ANY TREES OR SHRUBS PLACED WITHIN WATER, SEWER, OR DRAINAGE EASEMENTS SHALL CONFORM TO THE CITY OF DELRAY BEACH STANDARD DETAILS: LD1.1 & LD1.2





IRRIGATION LEGEND

- MIST HEADS**
- RAINBIRD 1806 6" POP-UP MIST HEAD OR EQUAL WITH THE FOLLOWING NOZZLES: (USE 12" POP-UP MIST HEAD FOR TALLER PLANT MATERIAL. ADJUST RISER HEIGHT TO PLANT MATERIAL.)
- 15' SERIES NOZZLE.
 - 12' SERIES NOZZLE.
 - 10' SERIES NOZZLE.
 - 8' SERIES NOZZLE.

- BUBBLER NOZZLES**
- RAINBIRD BUBBLER NOZZLE ON FIXED RISER 3" ABOVE FINISH GRADE. AS FOLLOWS:
5H-B .5 - 1.0 GPM
- VALVES**
- RAINBIRD PEB SERIES ELECTRIC GLOBE VALVE, SIZE AS NOTED ON PLAN, IN AMETEK OR CARSON 12"x18" VALVE BOX OR EQUAL
- CONTRACTOR TO SUPPLY:
RAINBIRD RSD SERIES RAIN SENSOR OR EQUAL
- FIELD CONTROLLERS LOCATION
RAINBIRD ESP SERIES OR EQUAL

SCH 40 PVC SLEEVES UNDER PAVEMENT
SLEEVES: SCH 40 PVC OR RATED EQUAL CLASS. SLEEVES TO BE MIN. 24" - MAX. 36" DEEP - See FPC Chart

IRRIGATION NOTES

- THE CONTRACTOR IS RESPONSIBLE FOR ALL MATERIAL REQUIRED TO MAKE THE SYSTEM FUNCTION PROPERLY. ALL IRRIGATION SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND ALSO STATE AND/OR LOCAL CODES.
- IRRIGATION PLANS ARE SCHEMATIC AND DRAWN FOR GRAPHIC CLARITY. ALL PIPING BELOW PAVEMENT SHALL BE SLEEVED. LAYOUT OF IRRIGATION SYSTEM SHALL BE COORDINATED WITH CORRESPONDING LANDSCAPE PLAN.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING LOCAL UNDERGROUND UTILITIES TO VERIFY LOCATIONS. THE CONTRACTOR SHOULD VISIT THE SITE PRIOR TO INSTALLATION AND BECOME FAMILIAR WITH EXISTING CONDITIONS.
- VALVE LOCATIONS ARE SCHEMATIC ONLY AND WILL BE ADJUSTED FOR SITE CONDITIONS. EACH VALVE SHALL BE INSTALLED IN A AMETEK OR CARSON VALVE BOX. THE FLOW ADJUSTMENT FEATURE WILL BE USED TO BALANCE PRESSURE THROUGHOUT THE SYSTEM.
- PIPING SHALL BE SIZED TO MINIMIZE FRICTION LOSS AND MAINTAIN FLOW VELOCITY BELOW 5 FPS.
- THE IRRIGATION CONTROLLER SHALL BE INSTALLED IN ACCORDANCE WITH LOCAL CODES AND MANUFACTURER'S RECOMMENDATIONS. PROPER GROUNDING EQUIPMENT AND SURGE PROTECTION SHALL BE PROVIDED. A RAIN SENSOR SHALL BE INSTALLED TO OVER-RIDE THE CONTROLLER.
- ALL HEADS ON RISERS SHALL BE SET AT THE HEIGHT OF ADJACENT PLANT MATERIAL.
- SPRINKLER LOCATIONS ADJACENT TO PAVEMENT, STRUCTURES, FENCES, ETC. SHALL BE OFFSET AS FOLLOWS: 12" MIN FOR POP-UP MIST HEADS, 18" FOR SHRUB RISERS, 18" FOR ROTOR HEADS, AND TYPICALLY 5 FEET FOR ROTORS ALONG UNCURRED ROADWAYS.
- ALL SLEEVING SHALL BE SCH 40 PVC TO SIZE INDICATED ON PLAN, OR IF NOT INDICATED, A MIN. OF 2 PIPE SIZES LARGER THAN SUPPLY LINE CONTAINED. ALL SLEEVES SHALL BE INSTALLED A MIN. OF 24" BELOW FINISH GRADE.
- CONTROL WIRES SHALL BE UL APPROVED PE IRRIGATION CONTROL WIRE. USE 14 GAGE CONTROL WIRE AND 12 GAGE GROUND WIRE. WIRE SHALL BE BUNDLED AND ATTACHED TO THE MAIN LINE IN TRENCH OR THROUGH WIRE SLEEVES AT PAVEMENT CROSSINGS 24" BELOW FIN. GRADE. ALL SPLICES SHALL BE MADE WITH WATERPROOF DIRECT-BURIAL SPLICE KITS AND CONTAINED IN VALVE BOXES. TWO EXTRA CONTROL WIRES SHALL BE INSTALLED TO THE FURTHEST VALVES IN EACH DIRECTION FROM THE CONTROLLER.
- PIPING IN NARROW PLANTING AREAS, PARKING ISLANDS AND PLANTERS SHALL BE SET TO ONE SIDE TO ALLOW ROOM FOR ROOT BALLS. PIPE AS INDICATED ON PLAN IS SCHEMATIC AND SHOULD BE ADJUSTED FOR FIELD CONDITIONS.
- ALL GLUE JOINTS SHALL BE CLEANED, SANDED, AND TREATED WITH A COLORED HIGH ETCH PRIMER AND JOINED USING A SOLVENT CONFORMING WITH ASTM D2564.
- SYSTEM PIPE SIZE 3/4" SHALL BE CLASS 200 PVC, SYSTEM PIPE SIZE 1" OR GREATER SHALL BE CLASS 160 PVC. SYSTEM MAIN WILL BE SCH. 40 PVC TO SIZE INDICATED ON PLAN. ALL FITTINGS WILL BE SOLVENT WELD SCH 40 PVC. MAIN LINE SHALL HAVE 24" MINIMUM COVER; ALL OTHER PIPING WILL HAVE 12" MIN. COVER. ALL BACKFILL FOR PIPE TRENCHES SHALL BE CLEAN AND FREE OF FOREIGN DEBRIS AND SHARP OBJECTS; BACKFILLED TRENCHES SHALL BE PROPERLY COMPACTED. ALL MAIN LINES WILL BE INSTALLED A MIN. OF 3' FROM ANY TREE OR PALM.
- AS-BUILT DRAWINGS SHALL BE PREPARED BY THE CONTRACTOR AND GIVEN TO THE OWNER PRIOR TO FINAL ACCEPTANCE.
- WATERING TIME PER STATION WILL BE DETERMINED IN THE FIELD AND PER LOCAL REQUIREMENTS. REFER TO MANUFACTURER'S INSTRUCTIONS FOR PRECIPITATION RATES OF SPRINKLERS SPECIFIED.
- IRRIGATION SYSTEM TO PROVIDE 100% COVERAGE WITH 50% OVERLAP MIN.

IRRIGATION PIPE INSTALLATION to follow specifications called for in Florida Plumbing Code Appendix F:

A. Vehicle Traffic Areas		
PIPE SIZE (inches)	DEPTH of COVER (inches)	
1/2 - 2 1/2	18 - 24	
3 - 5	24 - 36	
6 and larger	30 - 36	
B. Non-Traffic and Non-Cultivated Areas		
PIPE SIZE (inches)	DEPTH of COVER (inches)	
1/2 - 1 1/4	6 - 12	
1 1/2 - 2	12 - 18	
2 1/2 - 3	18 - 24	
4 and larger	24 - 36	

Depths of cover to meet or exceed SCS Code 430-00

(*) ALL TESTING AND INSPECTIONS OF INSTALLED IRRIGATION SYSTEM SHALL BE AS PER FBC APPENDIX "F", PART VI

Irrigation installation shall observe all other standards established by FPC.

IRRIGATION PIPE SIZES TO FOLLOW FOLLOWING SCHEDULE:		
PIPE SIZE (inches)	max. GPM	
3/4	10	
1	15	
1 1/4	25	
1 1/2	35	
2	55	
2 1/2	85	
3	over 85	

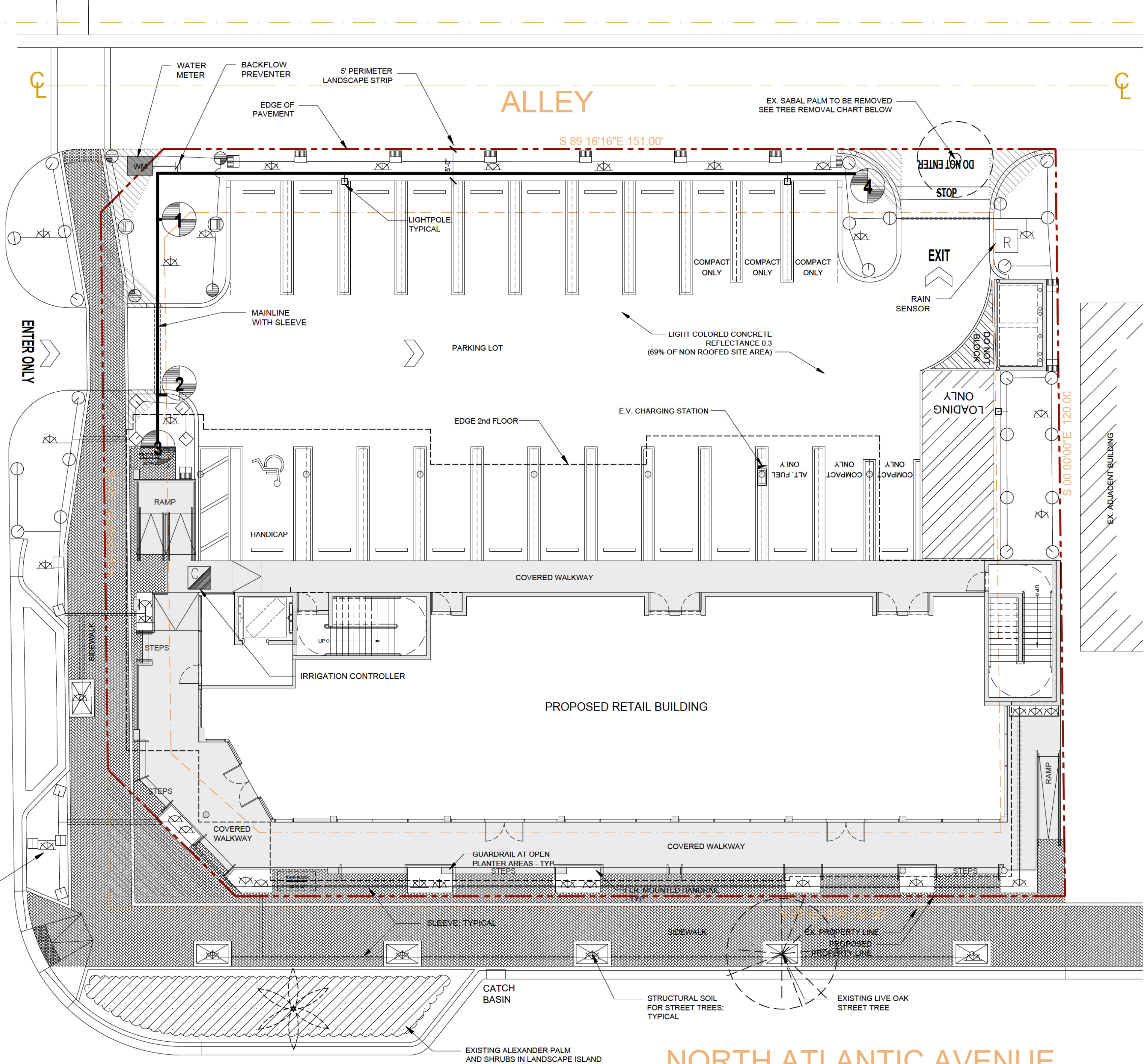
City required backflow valve provided. (pressure vacuum breaker)

Irrigation heads shall have 100 % coverage / 100 % overlap.

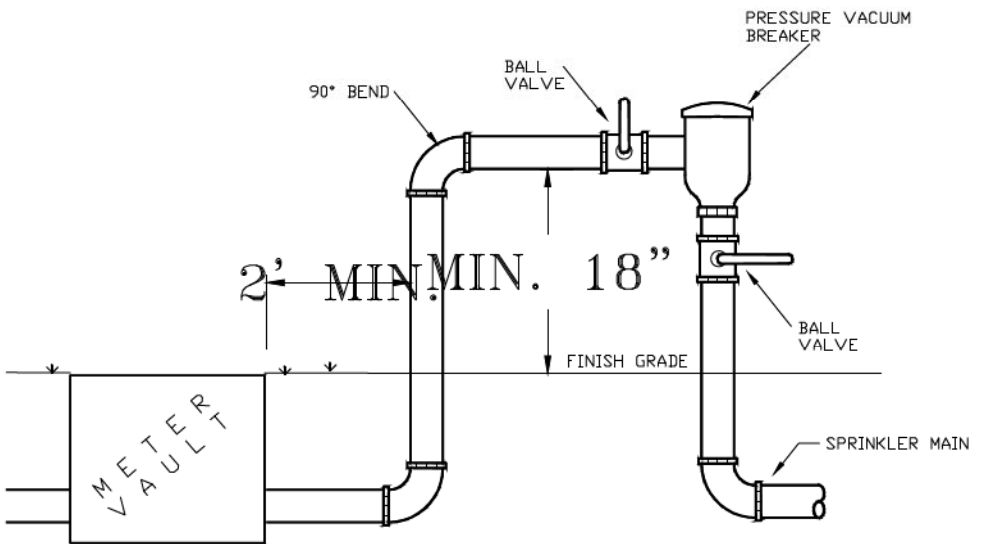
Irr. system to have rain sensor.

Site has high irrigation demand separated from low demand areas.

NW 7TH AVENUE



NORTH ATLANTIC AVENUE



SUPPLY - PRESSURE VACUUM BREAKER

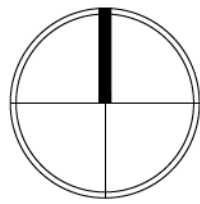
CODE SHALL TAKE PRECEDENCE OVER ANY DETAIL SHOWN. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COMPLY.

AGTLAND
LANDSCAPE ARCHITECTURE

132 NORTH SWINTON AVENUE
DELRAY BEACH, FL 33444
T (561) 276-5050
www.agtland.com

Carol B
Perez

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by Carol B Perez
Date: 2022.07.20
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SCALE: 1" = 10'

PROJECT

BANYAN WEST ATLANTIC
NW 7TH AVE & ATLANTIC BLVD

DELRAY BEACH, FL

TITLE

IRRIGATION
HEAD LAYOUT PLAN

PROJ. NO.

FILE NAME

BB DRAWN

12-16-21 DATE

05-20-22 REV.

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