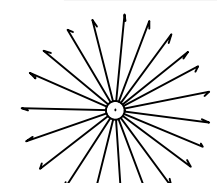
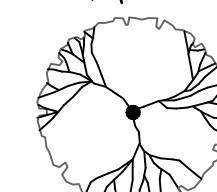
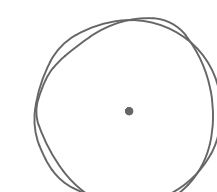
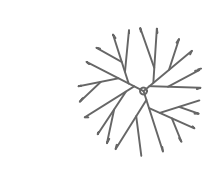
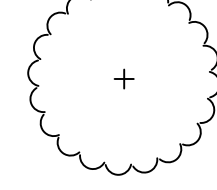
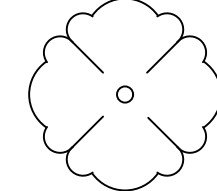
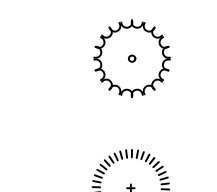

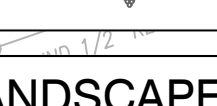
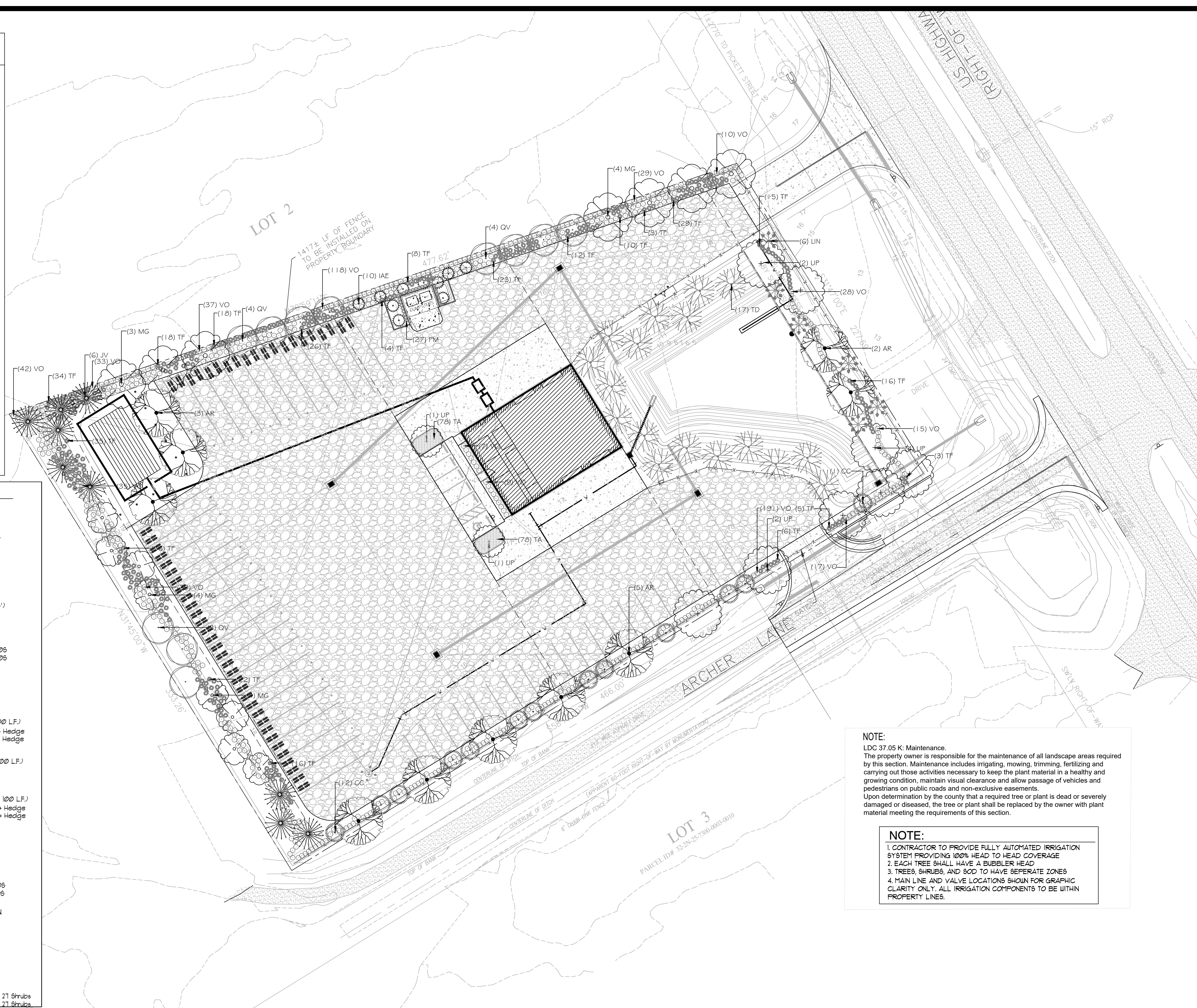


TREE KEY:

-  RED CEDAR JV
-  RED MAPLE AR
-  LIVE OAK QV
-  BALD CYPRESS TD
-  AMERICAN ELM UP
-  MAGNOLIA MG
-  EAST PALATKA HOLLY IAE
-  BOTTLEBRUSH TREE CC
-  CRAPE MYRTLE LIN

LANDSCAPE CALCULATIONS:

TOTAL AREAS:	
ZONING:	Commercial
LOT AREA/CLEARING AREA:	130,659 SF.
10% LOT REQ. OPEN SPACE AREA:	13,066 SF.
OPEN SPACE AREA PROVIDED:	15,036 SF.
OPEN SPACE AREA REQUIRED: 13,066 SF.	
1 TREE / 500 SF. OF REQUIRED OPEN SPACE:	26 TREES
TREES PROVIDED:	26 TREES
PERIMETER AREA REQUIREMENT BREAKDOWN	
PERIMETER AREA NORTH SIDE: 411 LF.	
10' SF. / LF. = 10' x 411 LF. (HIGH DENSITY) (Reduced from 25')	
AREA REQUIRED:	4,110 SF.
AREA PROVIDED:	4,110 SF.
PERIMETER TREES NORTH SIDE:	
High density (10' width, 5 CANOPY + 90 SHRUB / 100 LF.)	
TREES REQUIRED:	24C 4 430S
TREES PROVIDED:	24C 4 430S
PERIMETER AREA SOUTH SIDE: 435 LF.	
10' SF. / LF. = 10' x 234 LF. (Local ROW)	
AREA REQUIRED:	4,350 SF.
AREA PROVIDED:	4,350 SF.
PERIMETER TREES SOUTH SIDE:	
Local ROW (10' width, 2 Canopy + 3 Understory + Hedge / 100 LF.)	
TREES REQUIRED:	9C + 18U + Hedge
TREES PROVIDED:	9C + 18U + Hedge
PERIMETER AREA EAST SIDE: 178 LF.	
Arterial Roadway (25' width, 3 CANOPY + 3 Under. + Hedge / 100 LF.)	
AREA REQUIRED:	4,450 SF.
AREA PROVIDED:	4,450 SF.
PERIMETER TREES EAST SIDE:	
Arterial Roadway (25' width, 3 CANOPY + 3 Under. + Hedge / 100 LF.)	
TREES REQUIRED:	6C 4 6U + Hedge
TREES PROVIDED:	6C 4 6U + Hedge
PERIMETER AREA WEST SIDE: 333 LF.	
High density (25' width, 5 CANOPY + 90 SHRUB / 100 LF.)	
AREA REQUIRED:	8,325 SF.
AREA PROVIDED:	8,325 SF.
PERIMETER TREES WEST SIDE:	
High density (25' width, 5 CANOPY + 90 SHRUB / 100 LF.)	
TREES REQUIRED:	11C + 300S
TREES PROVIDED:	11C + 300S
PERIMETER AND INTERIOR TREE REQUIREMENT BREAKDOWN	
VIA, PUBLIC AREA:	
INTERNAL LANDSCAPE:	
1 TREE / 10 SPACES, + 6 SPACES / 10 or 1 TREE / ISLAND	
TREES REQUIRED:	1
TREES PROVIDED:	2
DUMPSTER SCREENING	
1 Shrub (4' Height) per 2 lf. + 1 Tree per 10 lf.	
53' Length of Screen Wall	
TREES 4 SHRUBS REQUIRED:	6 Trees 4 21 Shrubs
TREES 4 SHRUBS PROVIDED:	6 Trees 4 21 Shrubs



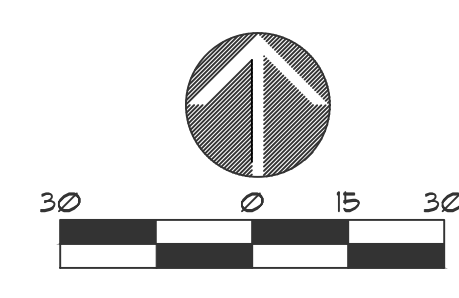
NOTE:
LDC 37.05 K: Maintenance.
The property owner is responsible for the maintenance of all landscape areas required by this section. Maintenance includes irrigating, mowing, trimming, fertilizing and carrying out those activities necessary to keep the plant material in a healthy and growing condition, maintain visual clearance and allow passage of vehicles and pedestrians on public roads and non-exclusive easements.
Upon determination by the county that a required tree or plant is dead or severely damaged or diseased, the tree or plant shall be replaced by the owner with plant material meeting the requirements of this section.

NOTE:
1. CONTRACTOR TO PROVIDE FULLY AUTOMATED IRRIGATION SYSTEM PROVIDING 100% HEAD TO HEAD COVERAGE
2. EACH TREE SHALL HAVE A BUBBLER HEAD
3. TREES, SHRUBS, AND BOD TO HAVE SEPERATE ZONES
4. MAIN LINE AND VALVE LOCATIONS SHOWN FOR GRAPHIC CLARITY ONLY. ALL IRRIGATION COMPONENTS TO BE WITHIN PROPERTY LINES.



**RELIANT TRUCKING
NASSAU COUNTY, FL**

REVISIONS:	
8/15/23 PER COUNTY COMMENTS	



DATE :	June 21, 2023
PROJECT NO. :	202329
DESIGNED BY :	KSR
DRAWN BY :	KSR
CHECKED BY :	KSR
SCALE :	1" = 30'

SHEET TITLE
LANDSCAPE PLAN

General Notes and Specifications

- Prior to construction the landscape contractor shall be responsible for locating all underground utilities and shall avoid damage to all utilities during the course of the work. The landscape contractor is responsible for repairing any and all damage to utilities, structures, site appurtenances, etc., which occurs as a result of the landscape construction.
- When conditions detrimental to plant growth are encountered, such as rubble fill, adverse drainage conditions or obstructions, notify owner's representative before planting.
- All plants must be healthy, vigorous material, free of pests and disease.
- All trees, palms, and shrubs shall be grade "Florida Fancy" per Grades and Standards For Nursery Plants (parts one and two), available through Florida Dept. of Agriculture and Consumer Services.
- All plant material must be approved by the Landscape Architect before the plant material is installed.
- Any changes to the plant material (size, type, etc.), irrigation or any other deviations from the plans must be approved by the Landscape Architect prior to the change being implemented by the contractor. The contractor must provide written proof of authorization for any changes.
- All plants to be field grown or container grown as indicated on plant list. Store plants in shade and protect from weather. If plants cannot be planted immediately upon delivery, properly protect them with soil, wet peat moss, or in a manner acceptable to owner's rep. Do not remove container grown stock from containers until planting time. Protect roots of plant from drying or other possible injury. Keep plant ball moist at all times.
- All plants shall be triangular spaced.
- Obtain agronomic soils test for all planting areas and tree pits prior to excavation of tree pits. Tests shall be performed by an approved soils testing laboratory and shall include fertility and suitability analysis with written recommendations for soil amendments, fertilizer and chemical conditioner application rates for soil preparation, planting backfill mix, and post maintenance fertilization program. Submit a copy of soils report to owner's rep. and landscape architect.
- Add soil amendments as recommended by soil test in quantities necessary to bring soil mixture to pH rating of between 5.5 and 6.0. Minerals used for pH correction shall be commercially produced for this purpose.
- All plants and planting areas must be completely mulched as specified with three (3) inches of organic mulch. Provide 4" minimum clearance of mulch from all shrub trunks and 6" minimum clearance from all tree trunks.
- The landscape contractor is responsible for verifying all quantities shown on these plans, before pricing the work.
- The planting shall be done in accordance with acceptable horticultural practices. This is to include proper planting mix, plant and tree pit preparation, pruning, staking or guying, wrapping, spraying, fertilization, planting, and adequate maintenance throughout the required maintenance period.
- The landscape contractor is responsible for fully maintaining all planting (including but not limited to: pruning, watering, fertilizing, cultivating, weeding, mowing, mulching, tightening and repairing of guys, resetting plants to proper grade or upright position, restoration of plant saucer, and furnishing and applying such sprays as necessary to keep free of insects and diseases. The landscape contractor's responsibility for maintenance (exclusive of replacement within the guarantee period) shall terminate one year from the date of final acceptance by owner and landscape architect.
- All trees, palms, shrubs and plant material shall be warranted for a period of one year after date of completion and acceptance of the entire project. Final acceptance of all landscaping under this contract shall constitute the beginning of the guarantee period. Replace, in accordance with the drawings and specifications, all plants that are dead or, as determined by the owner's representative, are in an unhealthy or unsightly condition, and have lost their natural shape due to dead branches, or other causes due to the contractor's negligence. Furnish and plant replacements which comply with requirements shown and specified. Warrant all replacement plants for one year after installation. The cost of such replacement(s) is at the contractor's expense.
- All plants are subject to approval by the owner's representative. Prior to planting, all trees and palms must be approved by the owner or owner's rep.
- Standards set forth in "American Standard for Nursery Stock" represent guideline specifications only and shall constitute minimum quality requirements for plant material.
- At the conclusion of this planting, if the owner's rep. or owner has reason to believe that the plants are not of the specified grade, he will request a re-grading or inspection, and such evidence will be the basis for requesting replacement of plants and for legal or other action according to law, should this become necessary.
- All planting beds to be treated with pre-emergent weed control prior to planting.
- Contractor is to check the site weekly to insure all plant material is healthy and well watered.
- All disturbed areas to be sodded or seeded with *Paspalum notatum* as noted.

PLANT SCHEDULE RELIANT TRUCKING					
TREES	QTY	COMMON / BOTANICAL NAME	SPACING	SPECIFICATIONS	SPECIES %
AR	10	Red Maple / <i>Acer rubrum</i>	AS SHOWN	3" cal. 10' - 12' ht., 5' - 6' spd.	9%
CC	19	Bottlebrush / <i>Callistemon citrinus</i>	AS SHOWN	3" cal. 10' - 12' ht., 5' - 6' spd.	14%
IAE	10	East Palatka Holly / <i>Ilex x attenuata 'East Palatka'</i>	AS SHOWN	3" cal. 10' - 12' ht., 5' - 6' spd.	9%
JV	9	Eastern Red Cedar / <i>Juniperus virginiana</i>	AS SHOWN	3" cal. 10' - 12' ht., 5' - 6' spd.	9%
LIN	6	Crape Myrtle / <i>Lagerstroemia x 'Natchez'</i>	AS SHOWN	3" cal. 10' - 12' ht., 5' - 6' spd.	6%
MS	15	Southern Magnolia / <i>Magnolia grandiflora</i>	AS SHOWN	3" cal. 10' - 12' ht., 5' - 6' spd.	15%
QV	11	Southern Live Oak / <i>Quercus virginiana</i>	AS SHOWN	3" cal. 10' - 12' ht., 5' - 6' spd.	11%
TD	17	Bald Cypress / <i>Taxodium distichum</i>	AS SHOWN	3" cal. 10' - 12' ht., 5' - 6' spd.	17%
UP	10	Drake Elm / <i>Ulmus parvifolia 'Drake'</i>	AS SHOWN	3" cal. 10' - 12' ht., 5' - 6' spd.	10%
SHRUBS	QTY	COMMON / BOTANICAL NAME	SPACING	SPECIFICATIONS	SPECIES %
FM	27	Podocarpus / <i>Podocarpus macrophyllus</i>	30" o.c.	24" ht. x 24" spd. minimum full & dense	0% native
TF	333	Fakahatchee Grass / <i>Tripsacum dactyloides</i>	30" o.c.	48" ht. x 24" spd. minimum full & dense	30% native
VO	610	Dwarf Walter's Viburnum / <i>Viburnum obtovatum 'Dwarf Walter's'</i>	36" o.c.	24" ht. x 24" spd. minimum full & dense	54% native
GROUND COVERS	QTY	COMMON / BOTANICAL NAME	SPACING	SPECIFICATIONS	SPECIES %
TA	156	Asian Jasmine / <i>Trachelospermum asiaticum</i>	18" o.c.	12" ht. x 12" spd. minimum full & dense	0% native

NOTES:

- MULCH ALL PLANTING BEDS WITH 3" ORGANIC MULCH.
- ALL DISTURBED AREAS NOT OTHERWISE LANDSCAPED SHALL BE SODDED WITH BAHIA SOD.
- ALL PLANT MATERIAL TO BE FLORIDA NO. 1 QUALITY OR BETTER.
- NO SUBSTITUTIONS WITHOUT PRIOR WRITTEN CONSENT OF THE LANDSCAPE ARCHITECT.
- ALL TREES AND PLANTS SHALL MEET MINIMUM SPECIFIED SIZES IN INCHES AND FEET, REGARDLESS OF CONTAINER SIZE INDICATED. WHERE DIFFERENCES OCCUR, THE LARGER SPECIFICATION SHALL PREVAIL.
- CONTRACTOR TO VERIFY ALL QUANTITIES

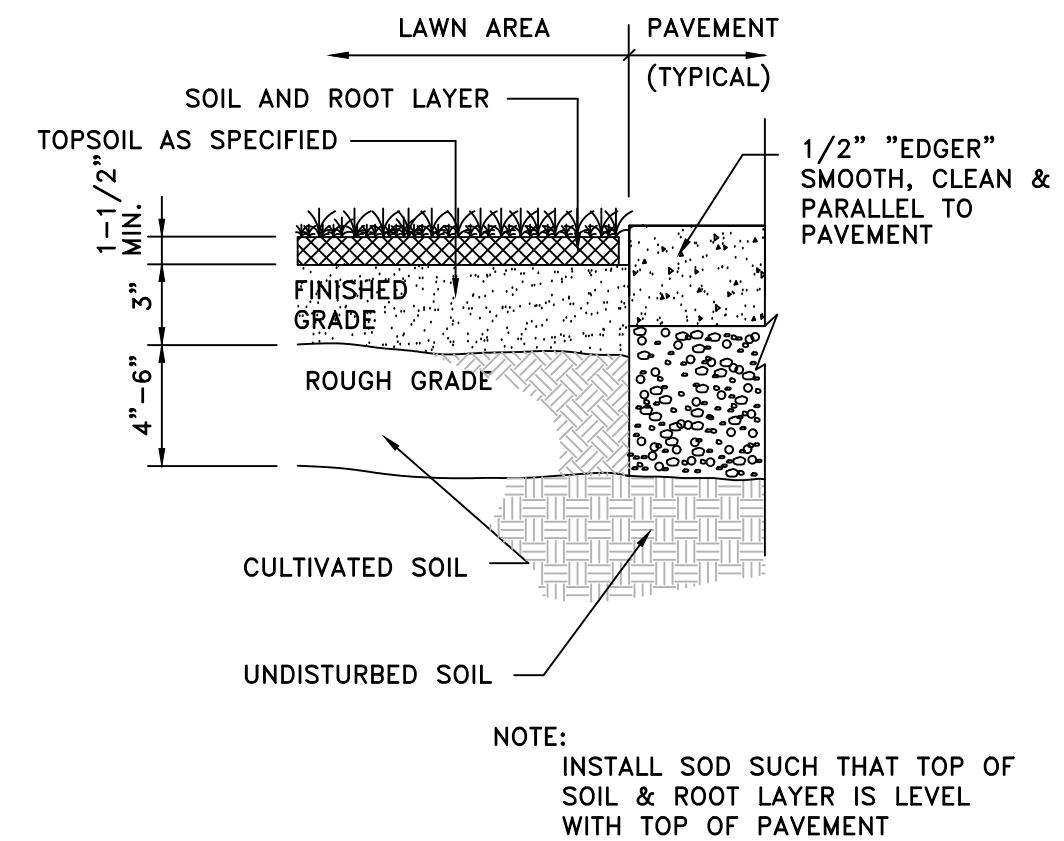
ORDINANCE CHAPTER 366 SCHEDULE AND IRRIGATION REQUIREMENTS:

MARCH-NOVEMBER (DAYLIGHT SAVING TIME)	NOVEMBER - MARCH (STANDARD TIME)
- NO WATERING FROM 10AM TO 4 PM	- NO WATERING FROM 10 AM TO 4 PM
- ODD NUMBER ADDRESSES OR THOSE ENDING WITH N-Z OR NO ADDRESS MAY WATER ON WEDNESDAY AND SATURDAY	- ODD NUMBER ADDRESSES OR THOSE ENDING WITH N-Z OR NO ADDRESS MAY WATER ON SATURDAY
- EVEN NUMBER ADDRESSES OR THOSE ENDING WITH A-M MAY WATER ON THURS. AND SUNDAY	- EVEN NUMBER ADDRESSES OR THOSE ENDING WITH A-M MAY WATER ON SUNDAY
- NON-RESIDENTIAL ADDRESSES MAY WATER ON TUESDAY AND FRIDAY	- NON-RESIDENTIAL ADDRESSES MAY WATER ON ONLY ON TUESDAY
- APPLY UP TO ½ - INCH OR LESS OF WATER EACH CYCLE	- APPLY UP TO ½ - INCH OR LESS OF WATER ONE TIME PER WEEK.

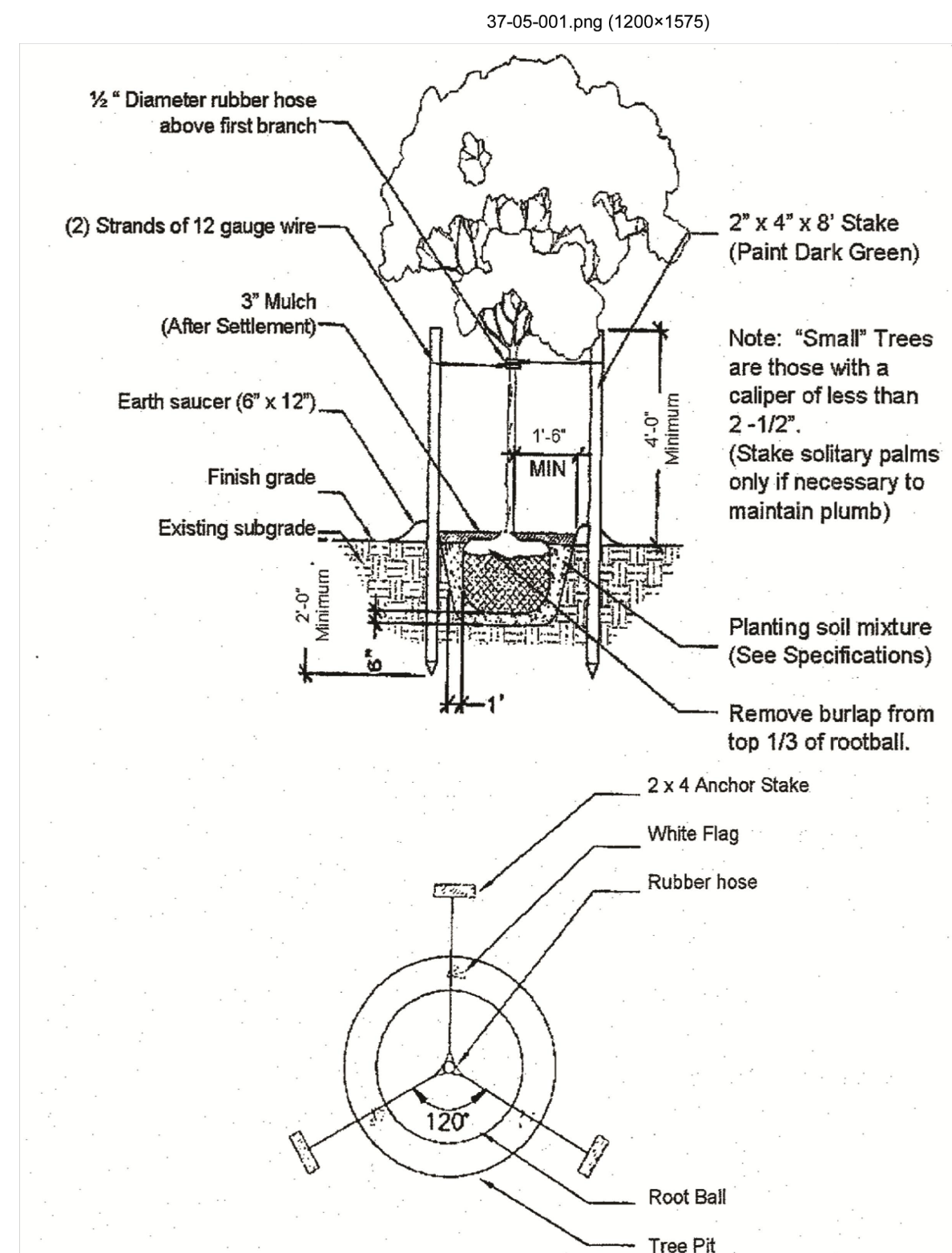
NASSAU COUNTY NOTES:

Plant material. All installed trees, shrubs and groundcovers shall conform to the standards for Florida Grade #1 or better according to the current edition of "Grades and Standards for Nursery plants" published by the Florida Department of Agriculture and Consumer Services, Division of Plant Industry. Synthetic or artificial trees, shrubs, groundcovers or vines are not acceptable substitutes. In choosing plant materials, consideration should be given to the amount of sun or shade, the wetness or dryness of the soil, the effects of salt spray (where applicable), the amount of irrigation required and the mature size and spatial needs of plants chosen.

- The minimum number of trees required by this section shall be either qualifying existing trees preserved on-site or more than one species listed in Tables 37-1 or 37-2. Trees planted in addition to these minimum requirements of this section may be any species of canopy tree or palm except for the prohibited species listed herein. In order to prevent a monoculture, new landscaping should not include more than fifty (50) percent of any one genus or twenty-five (25) percent of any one species. All trees shall be planted in a minimum dimension of ten (10) feet. This minimum planting area must be free of all pavement and vehicle overhang in order to prevent possible tree damage. All trees shall have a minimum trunk diameter, measured six (6) inches above ground level, in accordance with Table 37-3.
- Shrubs shall have a minimum height of eighteen (18) inches when planted. When planted as a hedge, the maximum spacing is 30 inches on center. All shrubs used for visual screening shall be of a plant species that is capable of reaching a height of four (4) feet within twenty-four (24) months under normal growing conditions. Shrubs used as accent ground cover and vines may vary in size depending on the type of plant material and the desired effect.
- Groundcovers shall be planted in such manner as to present a finished appearance and complete coverage within one (1) year after planting.
- LDC Section 37.05 (B)(1) -All trees shall be planted in a minimum dimension of ten (10) feet. This minimum planting area must be free of all pavement and vehicle overhang in order to prevent possible tree damage.
- LDC Section 37.05 (B) -All trees planted shall be staked or guyed for a period of at least six (6) months in accordance with the adopted planting detail.
- LDC Section 37.05 (H)(4)-All planting areas shall be mulched with approximately three inches of organic mulch, such as pine bark or shredded hardwood chips.
- LDC Section 37.05 (K)(2) -All buffer areas required as part of a development plan, whether in common or private ownership, shall be the responsibility of that development's property owners' association. Where there is no property owners' association, such landscaped areas shall be the responsibility of the property owner.
- LDC Section 37.05 (K)(3) -Trees on developed properties may be pruned to maintain shape and promote their shade-giving qualities. They should be pruned to remove diseased or dying portions in areas where falling limbs could be a hazard to people or property. Lower limbs may be removed to provide clearance. In addition, trees located in association with vehicular use areas shall also be pruned to allow a seven-foot clearance from ground level to avoid potential for damage or injury to pedestrians and cleared to thirteen (13) above pavement level for vehicles. However, the excessive pruning or pollarding of trees into round balls or branches resulting in an unnecessary reduction of shade is prohibited and may require supplemental plantings. All pruning shall be done following the American National Standard for Tree Care Operations "Tree, Shrub and Other Woody Plant Maintenance - Standard Practices."
- LDC Section 37.05 (E)(1) -At the intersection of two (2) streets, all landscaping within that area defined by the Florida Department of Transportation sight triangle, as outlined in the FDOT Design Standards for Design, Construction, Maintenance and Utility Operations on the State Highway System shall be installed and maintained below three (3) feet in height or above eight (8) feet in height.
- LDC Section 37.05 (E)(2) -When a driveway intersects a right-of-way, clear unobstructed cross visibility shall be provided within the site triangle formed by such intersection. The sight triangle shall be measured from the point of intersection, fifteen (15) feet along the access way and then fifteen (15) feet along the right-of-way, with the third side being a line connecting the two (2) points. Cross visibility within the sight triangle shall be unobstructed between the height of three (3) feet and eight (8) feet measured from the ground line. Trees and palms shall have their limbs and foliage trimmed in a manner that no limbs or foliage will extend in to the cross visibility area. To ensure proper visibility at the intersection of access ways with public rights-of-way, excluding properly trimmed trees as previously stated; only ground cover type plants shall be allowed within the sight triangle.



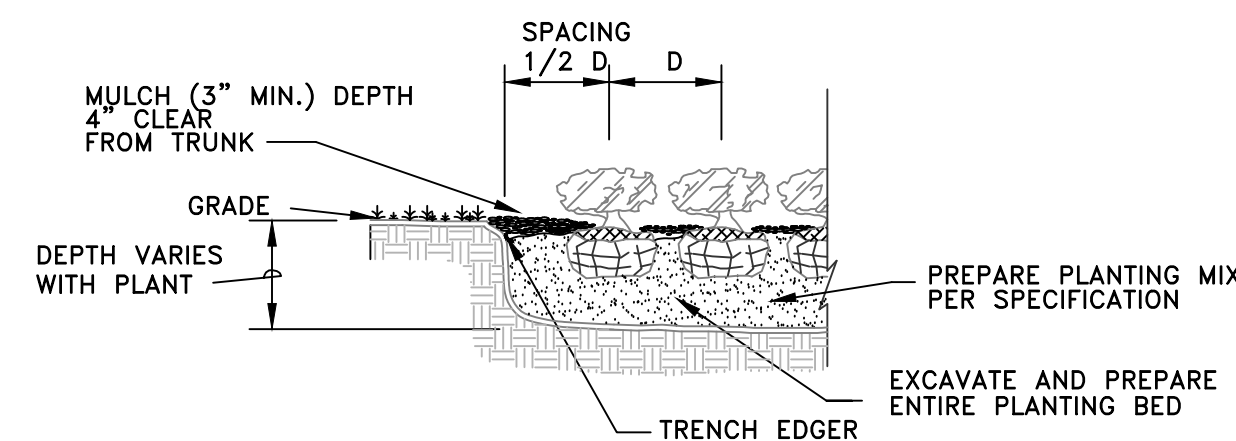
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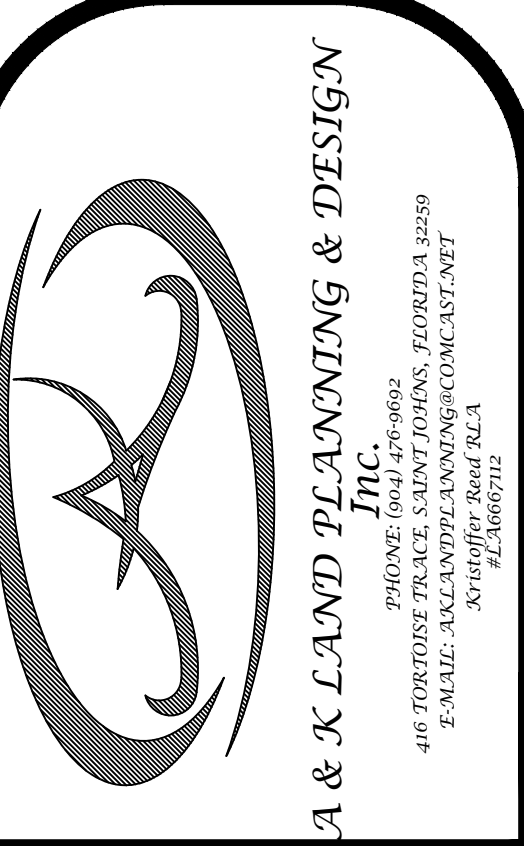
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TREE PLANTING DETAIL

1/2



SHRUB & GROUNDCOVER PLANTING DETAIL



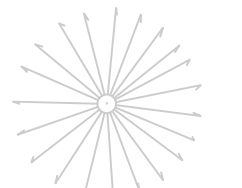

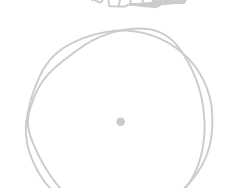
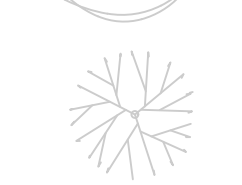

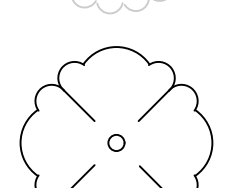
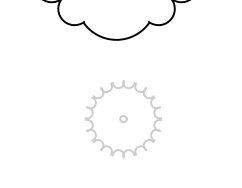


RELIAANT TRUCKING
NASSAU COUNTY, FL

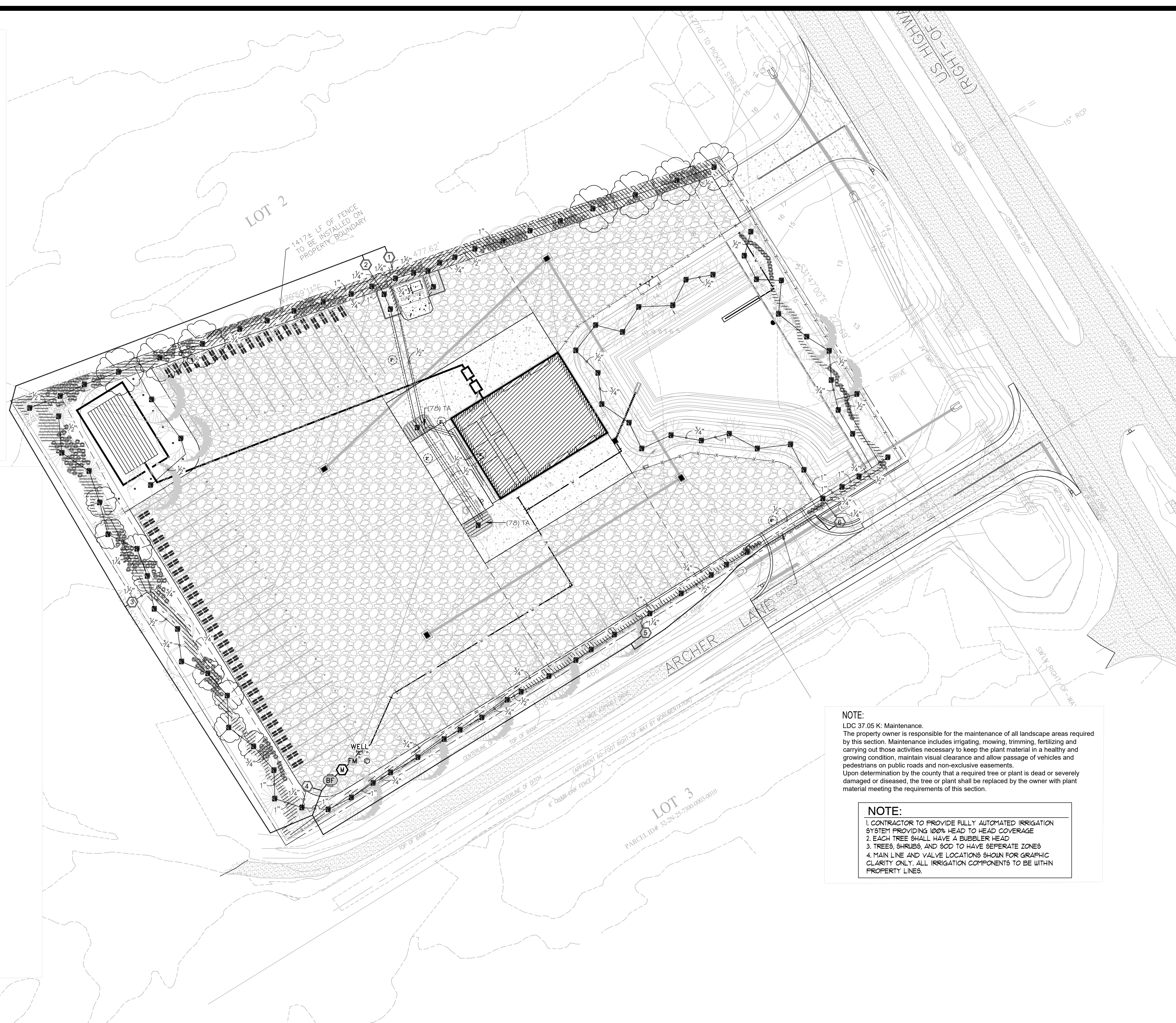
REVISIONS :
8/15/23 PER COUNTY COMMENTS

DATE : June 27, 2023
PROJECT NO. : 202329
DESIGNED BY : KSR
DRAWN BY : KSR
CHECKED BY : KSR
SCALE : N.T.S.

SHEET TITLE
PLANTING
DETAILS

L-2
SHEET

-  L
-  AR
-  QV
-  TD
-  UP
-  MG
-  IAE
-  CC
-  LIN



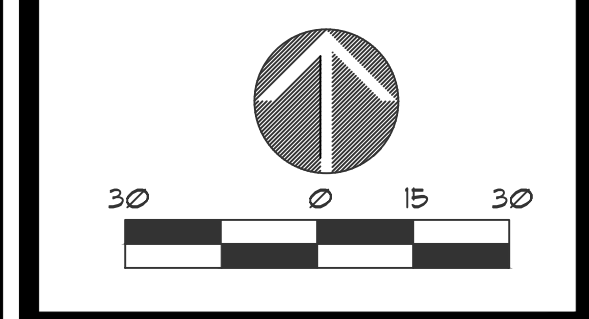
NOTE:
 LDC 37.05 K: Maintenance.
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NOTE:
 1. CONTRACTOR TO PROVIDE FULLY AUTOMATED IRRIGATION SYSTEM PROVIDING 100% HEAD TO HEAD COVERAGE
 2. EACH TREE SHALL HAVE A BUBBLER HEAD
 3. TREES, SHRUBS, AND SOD TO HAVE SEPERATE ZONES
 4. MAIN LINE AND VALVE LOCATIONS SHOWN FOR GRAPHIC CLARITY ONLY, ALL IRRIGATION COMPONENTS TO BE WITHIN PROPERTY LINES.

RELIANT TRUCKING
NASSAU COUNTY, FL

REVISIONS :

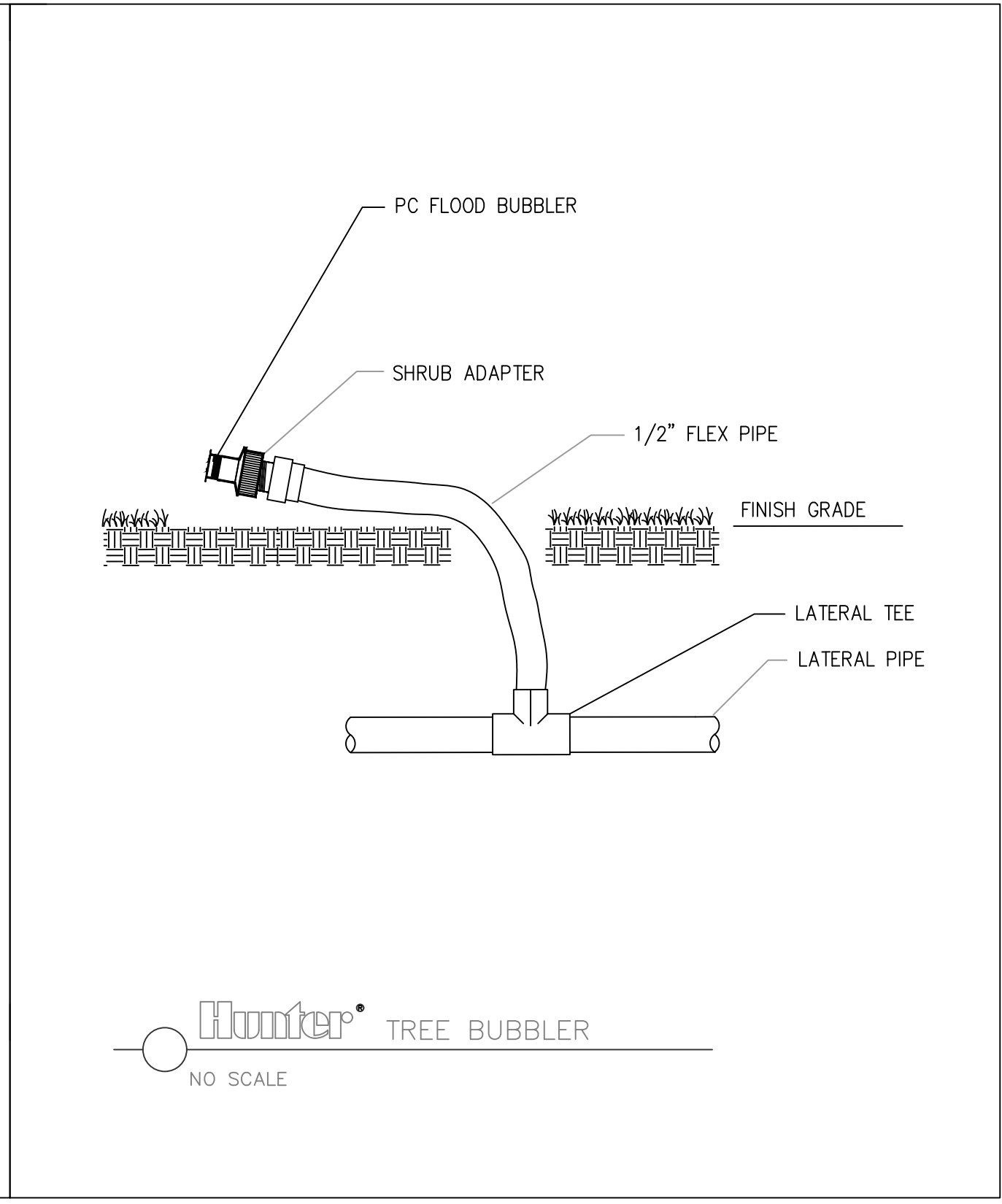
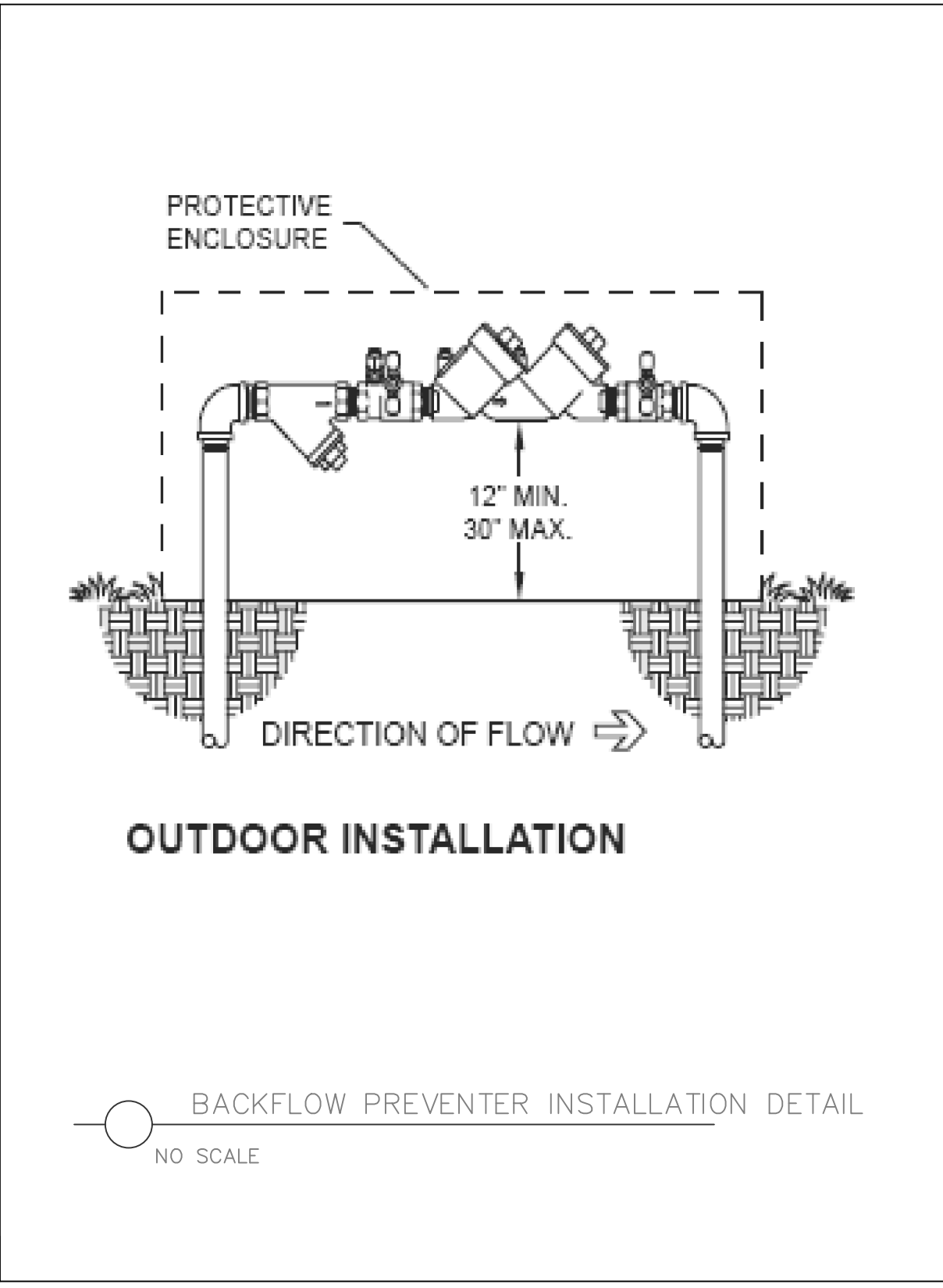
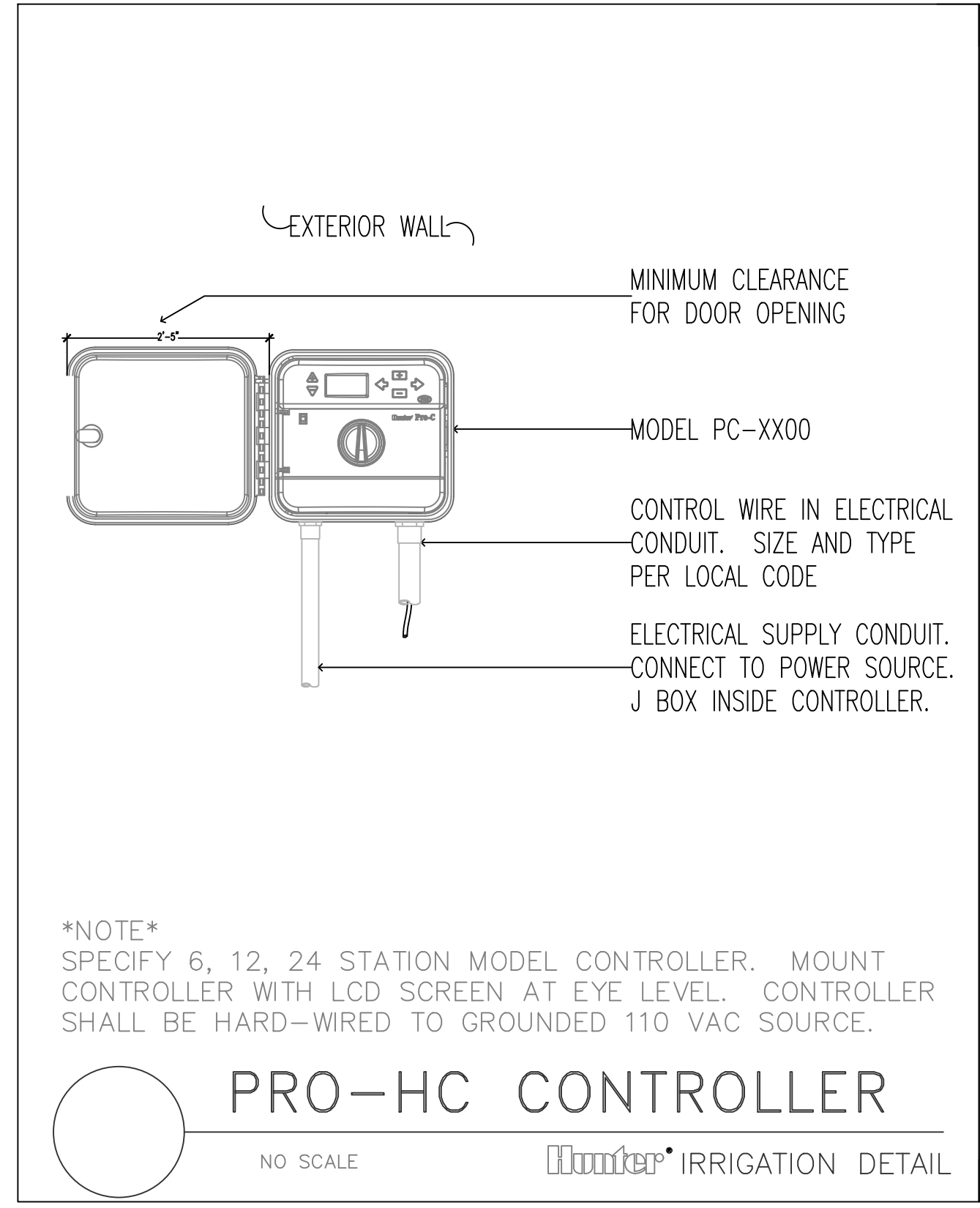
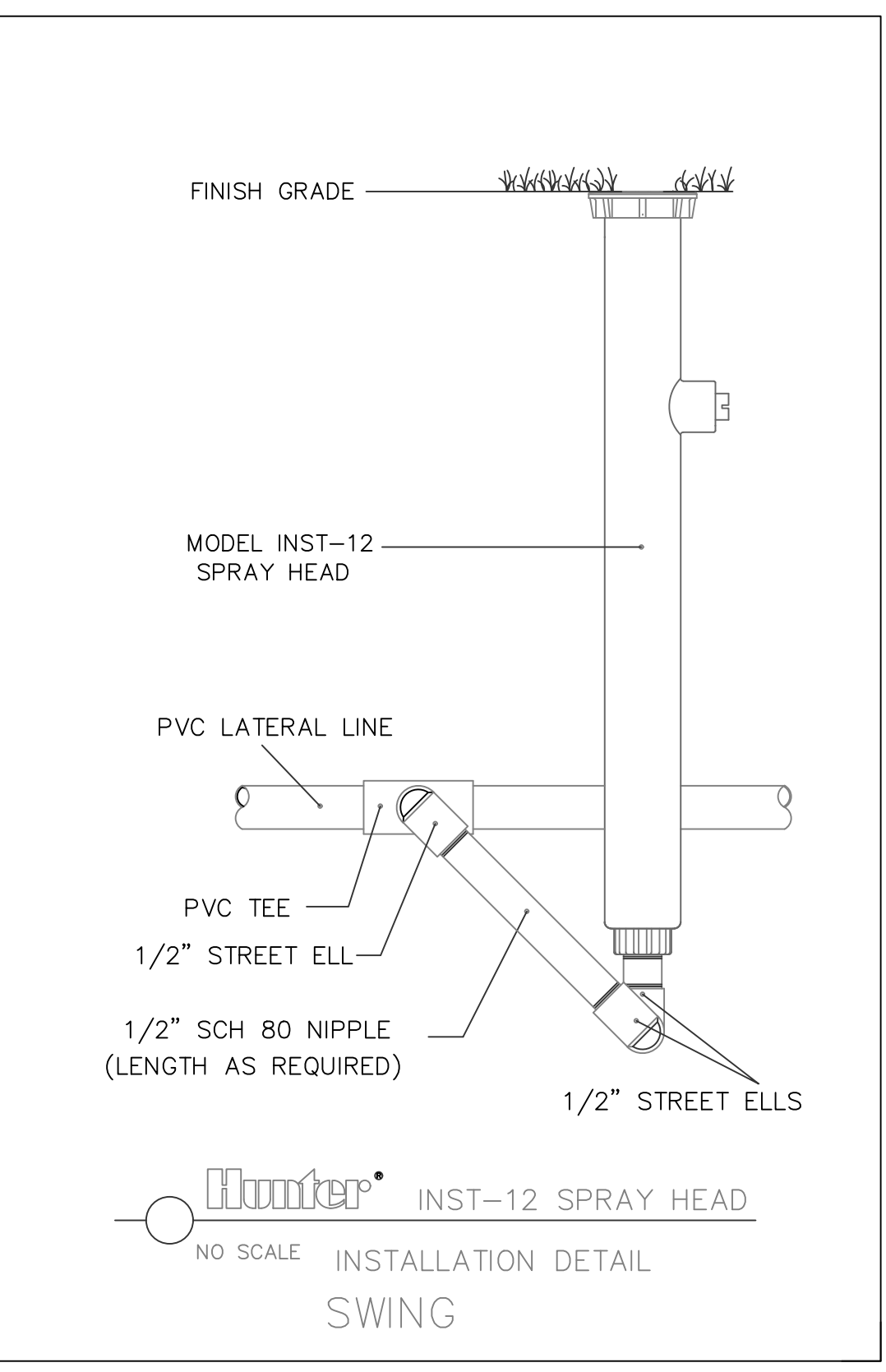
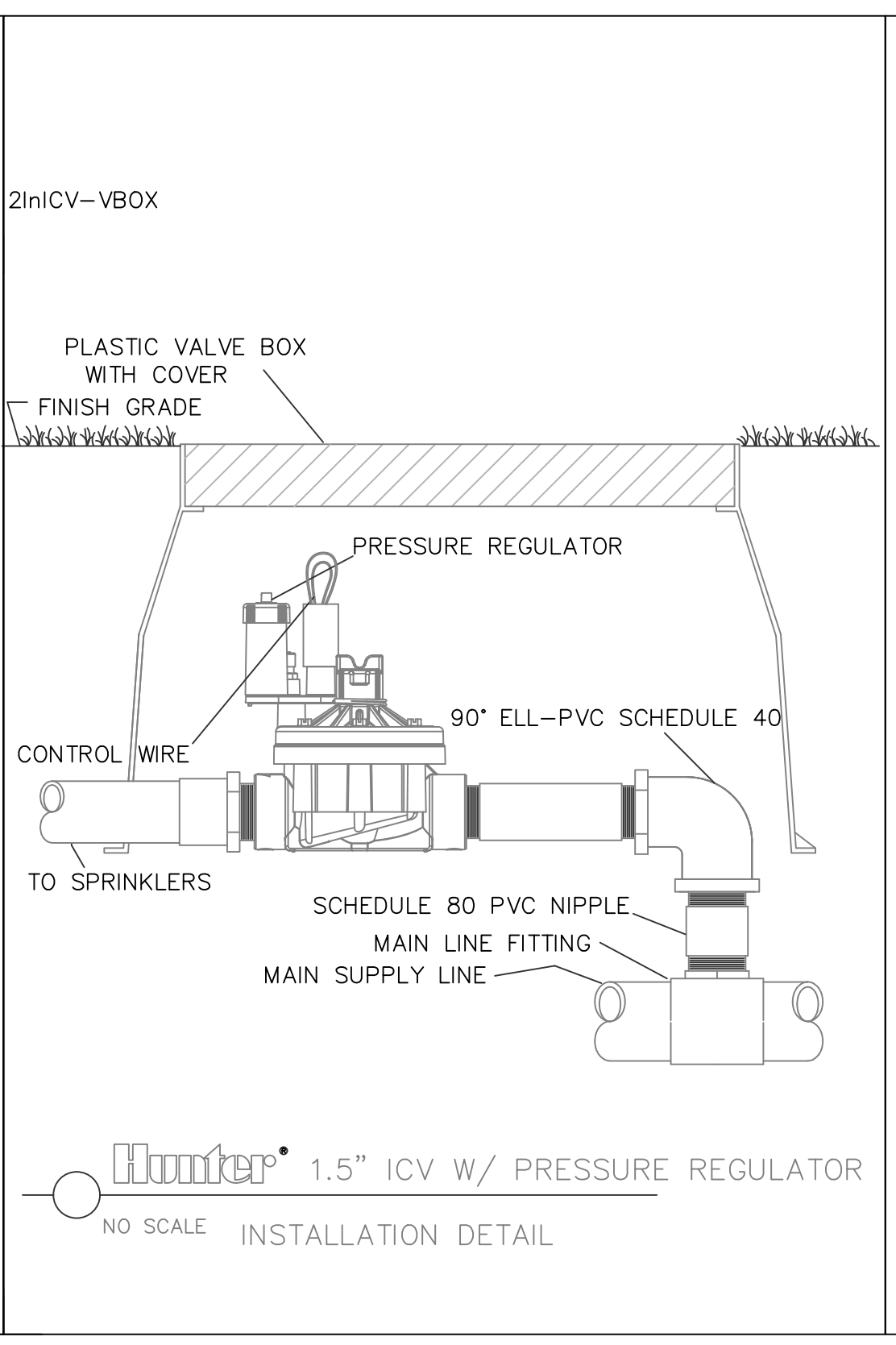
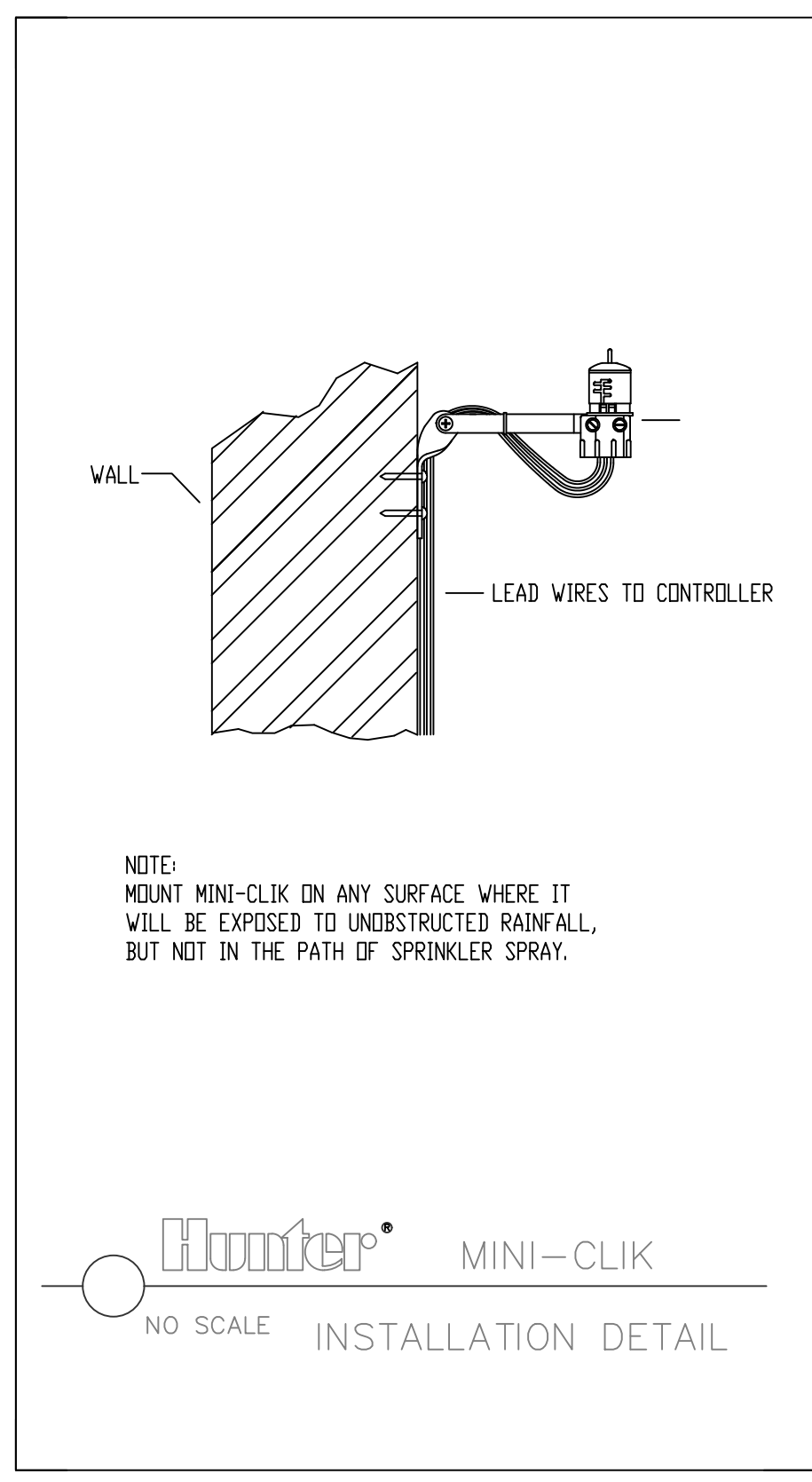
NO.	DATE	DESCRIPTION



DATE : June 27, 2023
 PROJECT NO. : 202329
 DESIGNED BY : K&R
 DRAWN BY : K&R
 CHECKED BY : K&R
 SCALE : 1" = 30'

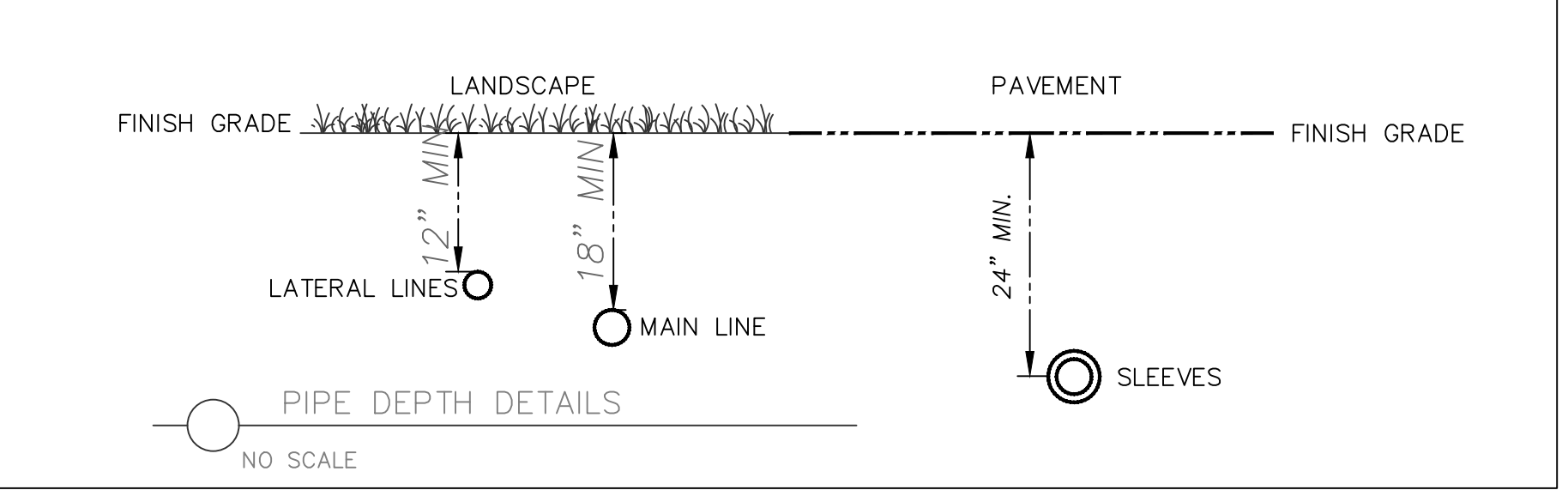
SHEET TITLE
IRRIGATION PLAN

**RELIANT TRUCKING
 NASSAU COUNTY, FL**



ORDINANCE CHAPTER 366 SCHEDULE AND IRRIGATION REQUIREMENTS:

MARCH-NOVEMBER (DAYLIGHT SAVINGS TIME)	NOVEMBER - MARCH (STANDARD TIME)
- NO WATERING FROM 10AM TO 4 PM	- NO WATERING FROM 10 AM TO 4 PM
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- EVEN NUMBER ADDRESSES OR THOSE ENDING WITH A-M MAY WATER ON THURS, AND SUNDAY	- EVEN NUMBER ADDRESSES OR THOSE ENDING WITH A-M MAY WATER ON SUNDAY
- NON-RESIDENTIAL ADDRESSES MAY WATER ON TUESDAY AND FRIDAY	- NON-RESIDENTIAL ADDRESSES MAY WATER ON ONLY ON TUESDAY
- APPLY UP TO 3/4 - INCH OR LESS OF WATER EACH CYCLE	- APPLY UP TO 3/4 - INCH OR LESS OF WATER ONE TIME PER WEEK.

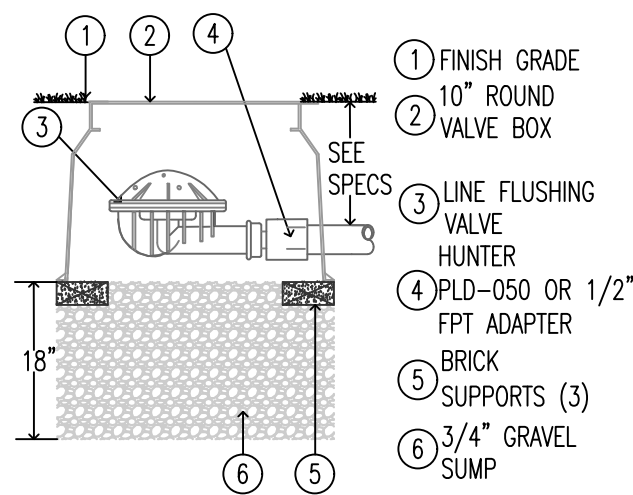


REVISIONS :

NO.	DATE	DESCRIPTION
1	8/15/23	PER COUNTY COMMENTS

DATE : June 27, 2023
 PROJECT NO. : 202329
 DESIGNED BY : KSR
 DRAWN BY : KSR
 CHECKED BY : KSR
 SCALE : N.T.S.

SHEET TITLE
 IRRIGATION
 DETAILS



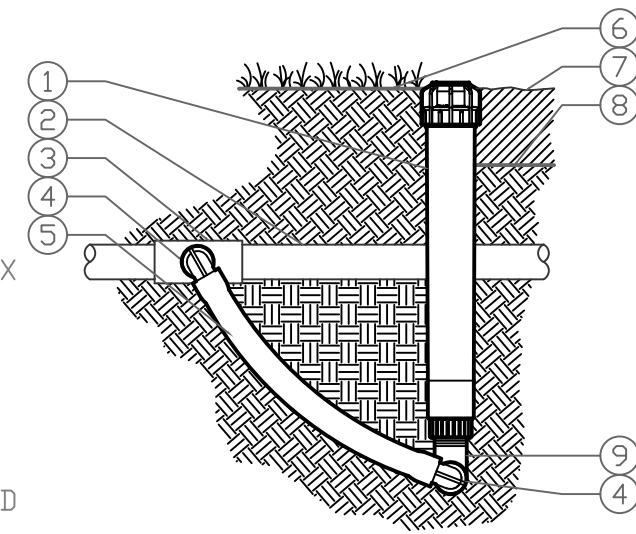
FLUSH VALVE AUTOMATIC

SCALE: N.T.S.



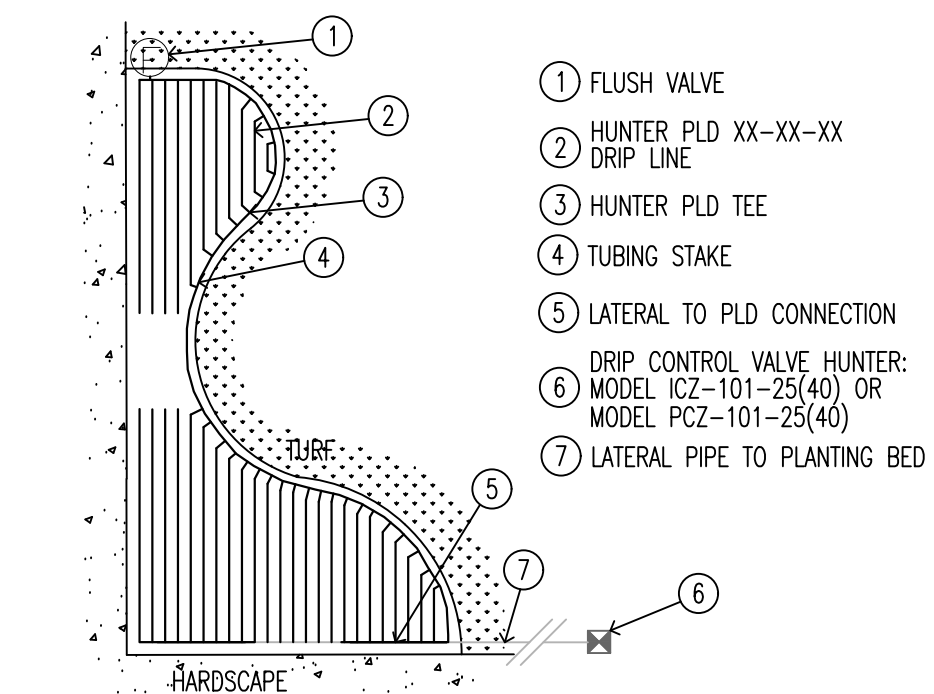
LEGEND:

- ① ECO INDICATOR - ECOID
- ② LATERAL PIPE PER PLAN
- ③ FPT CONNECTION FROM LATERAL
- ④ SPIRAL BARB ELBOW - HSBE-XXX
- ⑤ FLEX_{ss} TUBING - FLEXSG
- ⑥ FINISHED GRADE IN TURF
- ⑦ ADJACENT MULCH
- ⑧ FINISHED GRADE IN PLANTER BED
- ⑨ MARLEX STREET ELBOW



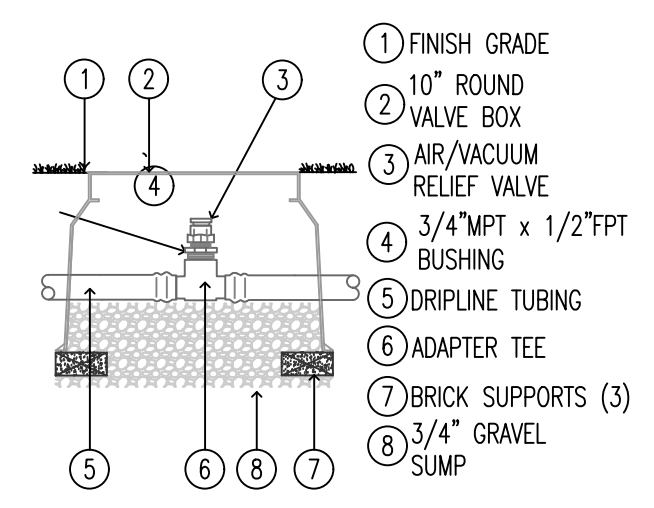
ECO INDICATOR WITH FLEX TUBING

SCALE: N.T.S.



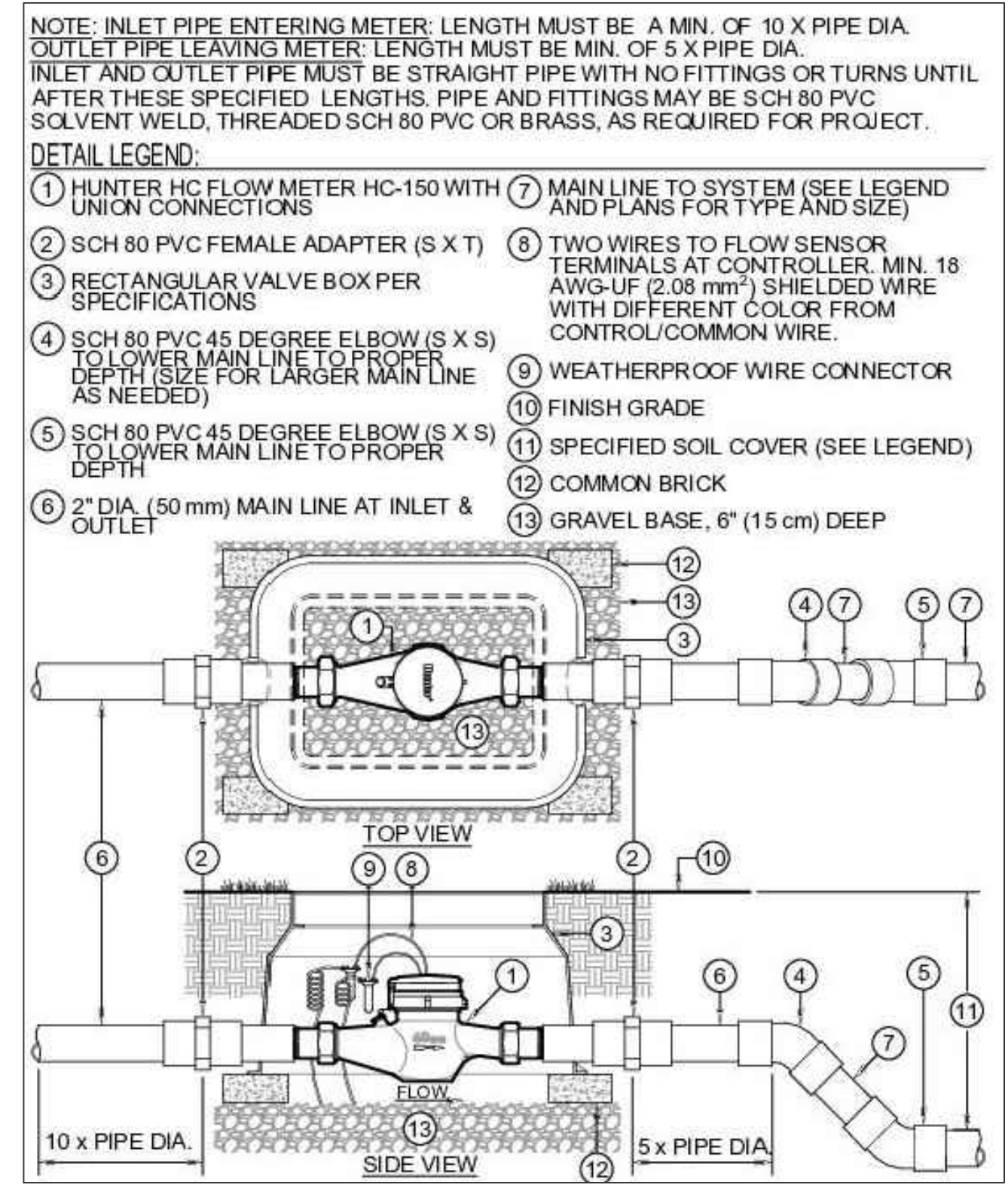
PLANTING BED

SCALE: N.T.S.



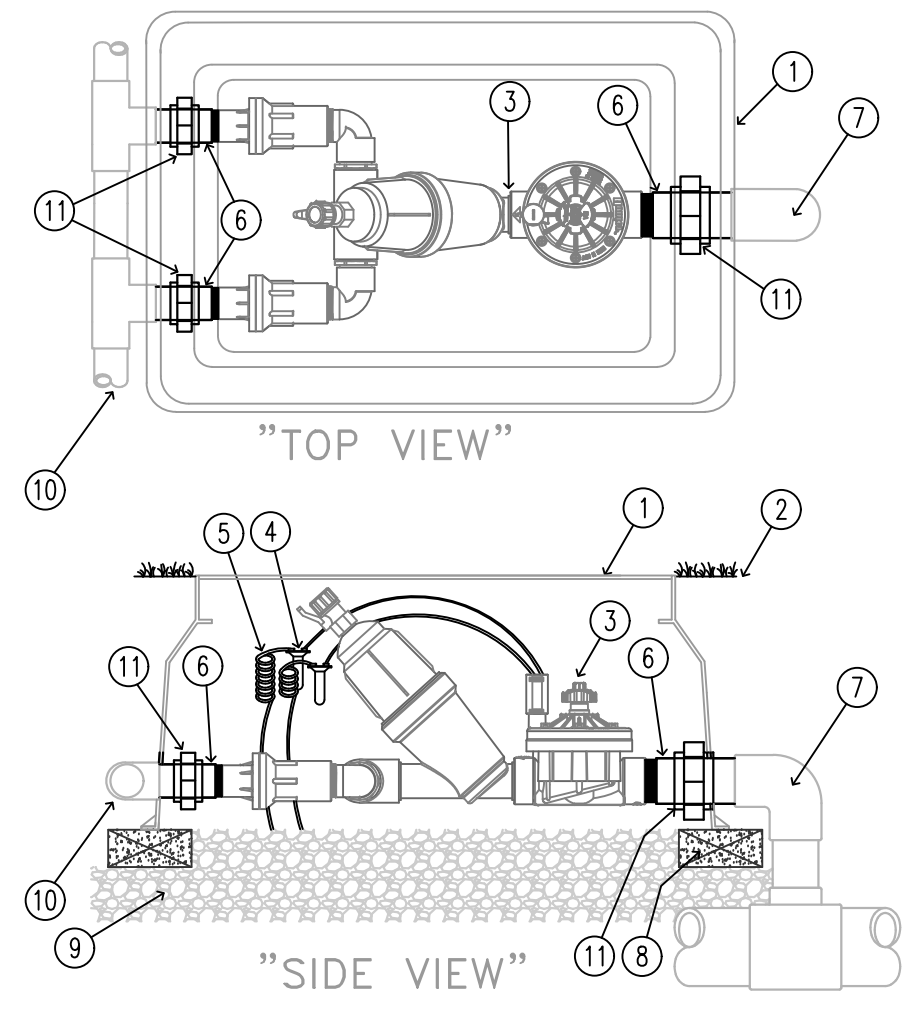
AIR RELIEF TUBING

SCALE: N.T.S.



FLOW METER

SCALE: N.T.S.



ICZ-151-40 DRIP CONTROL KIT

SCALE: N.T.S.



- ① SUPER JUMBO VALVE BOX
- ② FINISH GRADE
- ③ DRIPLINE KIT
- ④ MODEL ICZ-151-40 WITH FILTER (TIP 45 DEGREES) REGULATOR 40 PSI
- ⑤ WATERPROOF CONNECTORS (2)
- ⑥ 18-24" COILED WIRE
- ⑦ SCH 80 T.O.E. NIPPLE
- ⑧ MAIN LINE PIPE & FITTINGS
- ⑨ BRICK SUPPORTS (7)
- ⑩ 3/4" MINUS WASHED GRAVEL
- ⑪ LATERAL PIPE AND FITTINGS
- ⑫ PVC SLIP UNIONS (2)

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