

PLANT SCHEDULE

SYMBOL	CODE	QTY	COMMON NAME
TREES			
	AA	4	Autumn Flame Red Maple
	QV	10	Cathedral Live Oak
	QN	2	Nuttall Oak
SHRUBS			
	IB	89	Dwarf Burford Holly
	SM	14	Dwarf Palmetto
GROUND COVERS			
	MULCH	2,436 sf	
	CD	10,523 sf	Bermudagrass

Buffer Table			
Buffer	Length	Requirement	Required Plants
LA Highway 30	184'	1 Shade Tree / 40'	5 Trees
Saint Dominic Ave.	182'	1 Shade Tree / 40'	5 Trees
Saint Roch Street	193'	1 Shade Tree / 40'	5 Trees

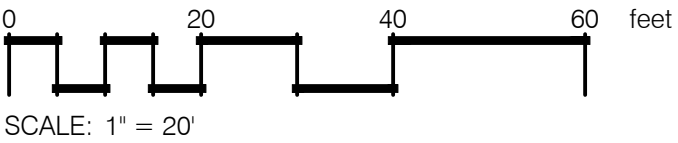


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PROJECT NO. 23-1607

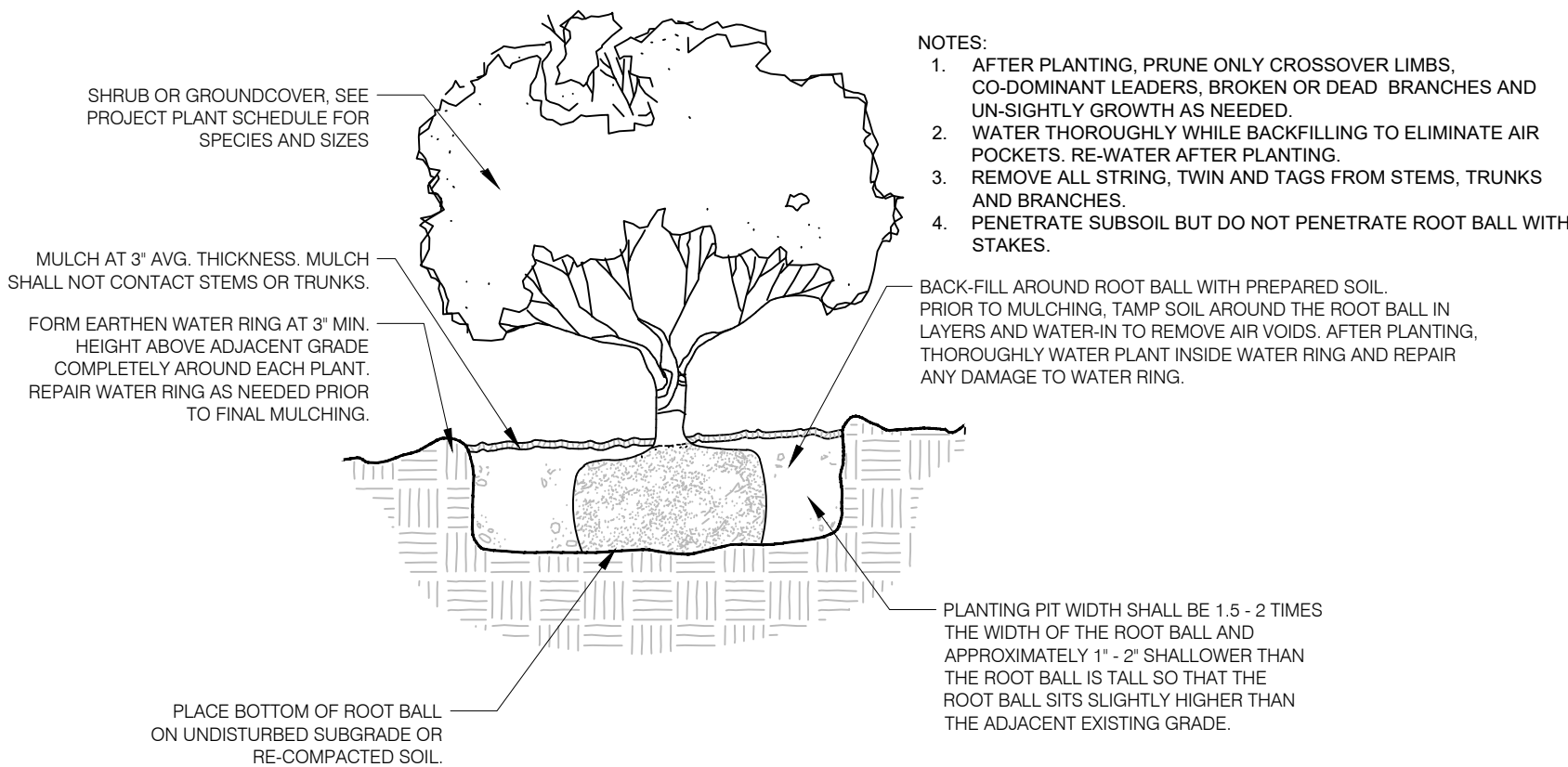
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PLANTING PLAN

LP-1

LANDSCAPE PLANTING NOTES:

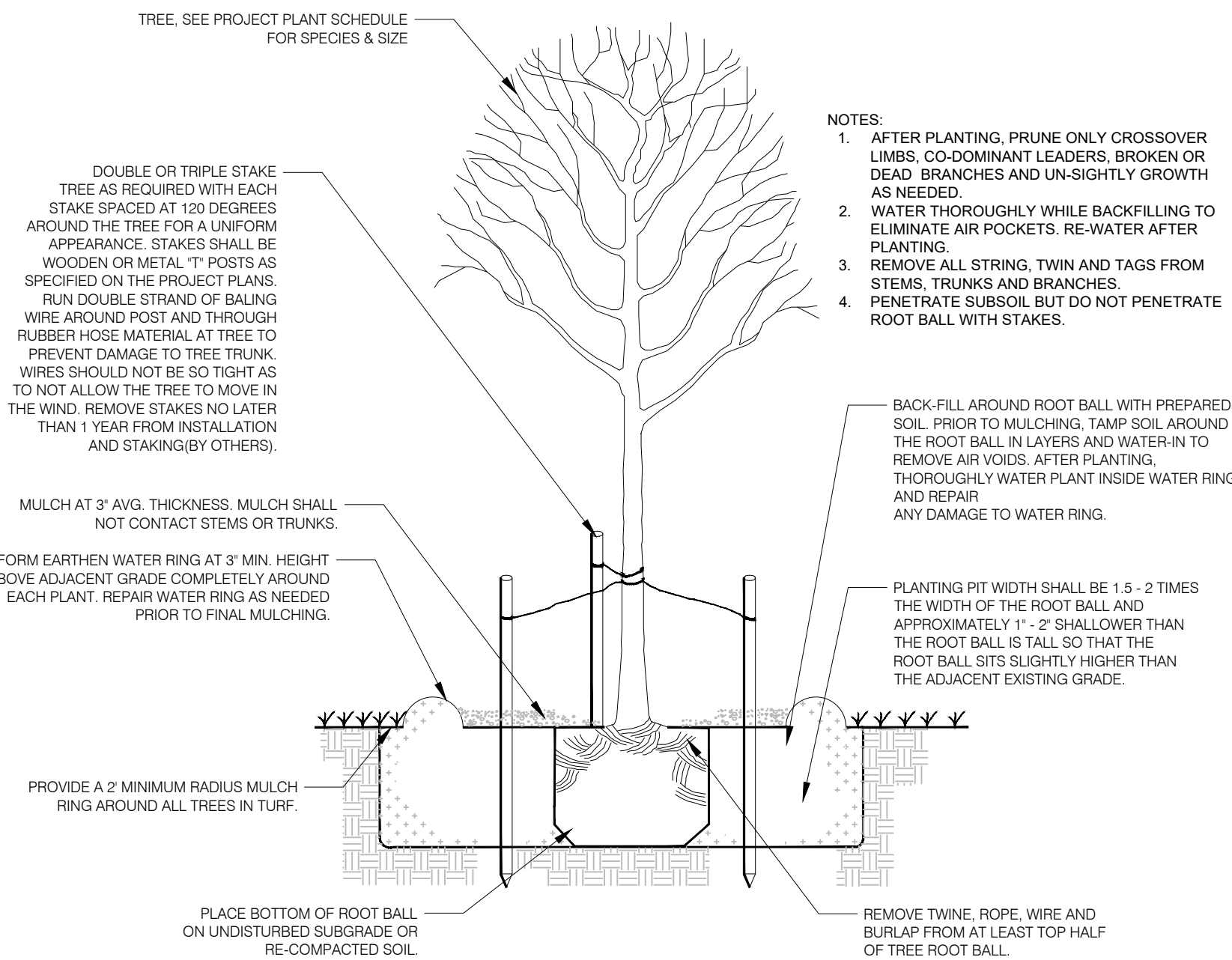
- ALL WORK SHALL COMPLY WITH LOCAL, STATE, AND FEDERAL REGULATIONS GOVERNING PLANT MATERIALS AND LANDSCAPE WORK. CONFORM TO ACCEPTED HORTICULTURE PRACTICE AS USED IN THE TRADE. THE WORK SHALL BE COORDINATED WITH OTHER TRADERS TO PREVENT CONFLICTS. TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO BUILDINGS AND STRUCTURES WHILE HANDLING LARGE MATERIALS AND EQUIPMENT.
- THE CONTRACTOR IS RESPONSIBLE FOR CALLING UNDERGROUND UTILITY LOCATE FOR IDENTIFICATION (CALL 811.COM811 IN YOUR STATE) PRIOR TO BEGINNING ANY SUB-SURFACE WORK ACTIVITIES.
- PLANT QUANTITIES SHOWN ON THE PLAN ARE FOR CONVENIENCE. CONTRACTOR IS RESPONSIBLE FOR VERIFYING QUANTITIES AND ENSURING ALL PLANTS ARE PLANTED.
- CLEAN THE PROJECT SITE BEFORE COMMENCING WORK REMOVING ALL RUBBISH AND OBJECTIONABLE ITEMS PROVIDING A SAFE AND OPEN WORK SPACE. REMOVE AND DISPOSE OF ALL DEBRIS AND CONSTRUCTION MATERIALS SUCH AS CONCRETE, BRICKS, LUMBER, TRASH, LAWN WASTE, ETC. THESE MATERIALS SHOULD NOT BE MIXED WITH THE PLANTING SOILS. ENSURE THE LANDSCAPE PROJECT SITE IS CLEANED AT THE CONCLUSION OF EACH WORK DAY LEAVING NO TRASH OR LOOSE TOOLS OR EQUIPMENT BEHIND.
- SECURE THE WATER SOURCE, HOSE WITH SPRINKLER BEFORE STORING OR PLANTING ANY PLANTS. PLANT STAGING AREAS SHOULD BE LOCATED IN THE SHADE DURING THE SUMMER MONTHS WHEN POSSIBLE. GREAT CARE IS TAKEN TO ENSURE CONTINUED VIBRANT HEALTH OF ALL STAGED PLANTS UNTIL PLANTING. HANDLE PLANTS WITH THE CONTAINERS AND NOT BY THE FOLIAGE.
- CONTRACTOR TO NOTIFY OWNER OF POOR DRAINING SOILS IN PLANTING AREAS, AND WITH APPROVAL SHALL BE EXCAVATED AND DISPOSED OF. SOIL AMENDMENTS SHALL BE HIGH IN PINE ORGANICS TO ADD ACIDITY TO THE EXISTING SOILS. THE SHALL CONTAIN SAND CONTENT TO INCREASE DRAINAGE. SOIL AMENDMENTS SHALL BE TILLED INTO THE TOP 6" - 8" OF EXISTING SOILS TO INCREASE FERTILITY, DRAINAGE, AND AERATION.
- CONTRACTOR SHALL LAYOUT ALL NEW BEDLINES AND PLANTS PER THE PLANTING PLANS AND NOTIFY THE DESIGNER OF ANY DISCREPANCIES. GREAT CARE SHOULD BE GIVEN TO ENSURE BEDLINES ARE PER PLAN. STRAIGHT LINES ARE PRECISE AND CURVED LINES ARE WITHOUT JAGGED EDGES. BEDLINES SHALL BE CUT WITH A PROMINENT V-TRENCH ON ALL SIDES INCLUDING WHEN ADJACENT TO TURF, WALKS, ROADS, BUILDINGS, ETC. THE V-TRENCH SHALL BE KEPT CLEAN AND ANY DEBRIS REMOVED PRIOR TO MULCHING.
- PLANT HOLES (PITS) SHALL BE DUG SO THAT THEY ARE 1" - 2" SHALLOWER THAN THE SOIL ROOT BALL OF THE PLANT BEING PLANTED. THE PLANT PIT SHALL BE 1.5 - 2 TIMES AS WIDE AS THE ROOT BALL OF THE PLANT BEING PLANTED. THE SIDES OF THE PIT ARE CUT STRAIGHT AND NOT ANGLED.
- SET ALL PLANTS IN THE CENTER OF THE PLANT PIT WITH THE BEST SIDE FACING THE VIEWING DIRECTION. ADD ADDITIONAL SOIL AMENDMENTS, FERTILIZERS OR HERBICIDE AS SPECIFIED. THOROUGHLY BACKFILL ALL SIDES OF THE PLANT ROOT BALL WITH THE TILLED AND AMENDED PLANTING SOIL. COMPACT THE SIDES OF THE BACKFILL AS NEEDED TO REMOVE ALL VOIDS AND AIR POCKETS. BUILD A DEFINED WATER RING ON ALL PLANTS 15 GALLON AND LARGER. REMOVE ALL SOILS FROM THE TOP OF THE ROOT BALL WHICH SHOULD STILL BE SITTING 1" - 2" ABOVE FINISH GRADE. WATER PLANT THOROUGHLY, THEN WATER SOME MORE DAILY UNTIL COMPLETION.
- PRUNE PLANTS AS NEEDED REMOVING ALL TAGS, BAMBOO NURSERY STAKES, DEAD BRANCHES AND LEAVES, WEEDS, TRASH AND DEBRIS. APPLY A FULL MEASURE OF PLANT MULCH TO THE TYPE, COLOR, AND DEPTH SPECIFIED ON THE PLANS.
- ALL AREAS THAT ARE TO BE SODDED SHALL BE CLEARED OF ANY ROCKS, WEEDS, AND DEBRIS THAT MAY PREVENT THE GROUND BEING BROUGHT TO A SMOOTH FINISH GRADE. ALL DEPRESSIONS SHALL BE FILLED WITH ADDITIONAL SOIL, AND THE SURFACE RE-GRADED TO OBTAIN A SMOOTH FINISH GRADE.
- SOD SHALL BE LAID TIGHT EDGE TO EDGE AND SNUG AGAINST ALL EDGES OF WALKS, CURBS, DRIVES, AND BUILDINGS. ENTIRE NEW LAWN AREA SHOULD BE ROLLED WITH A SOD ROLLER REMOVING BUMPS TO OBTAIN A SMOOTH LAWN FINISH. LAWN SHOULD BE WATERED THOROUGHLY THROUGH ESTABLISHMENT.
- UPON COMPLETION OF ALL PLANTING SCOPES OF WORK, BEFORE WALK AND PUNCHLIST BY LANDSCAPE ARCHITECT OR OWNER'S REPRESENTATIVE, CONTRACTOR SHALL REMOVE ALL EQUIPMENT, MATERIAL AND DEBRIS. ALL PAVED AREAS SHALL BE SWEEP AND BLOWN FREE OF ALL DEBRIS. STUBBORN STAINS AND MUD MAY NEED TO BE PRESSURE WASHED TO A NEAT AND ACCEPTABLE CONDITION FOR REVIEW BY THE DESIGNER AND/OR OWNER'S REPRESENTATIVE.
- ALL PLANTS AND PLANTING SPECIFIED ON THIS PROJECT SHALL BE MAINTAINED BY WATERING, WEEDING, PRUNED, STRAIGHTENED, AND POSSIBLY MOVED AS NECESSARY TO INSURE A HEALTHY PLANT CONDITION BY THE CONTRACTOR DURING CONSTRUCTION BARRING DELAYS BY OTHERS UNTIL CERTIFICATION OF ACCEPTABILITY BY THE OWNER'S REPRESENTATIVE.
- THE WARRANTY PERIOD FOR ALL NEW PLANTINGS, 3-GALLON CONTAINER AND LARGER, PLANTED BY THE CONTRACTOR SHALL BE 1 YEAR FROM THE DATE OF ACCEPTABILITY (FINAL COMPLETION). ANY PLANT 3-GALLON CONTAINER AND LARGER NOT FOUND IN A HEALTHY GROWING CONDITION AT THE END OF THE WARRANTY PERIOD SHALL BE REPLACED WITH A NEW PLANT OF THE SAME KIND, AND MULCHED AS SPECIFIED ABOVE, AT NO ADDITIONAL COST TO THE OWNER.
- AFTER THE CERTIFICATION OF ACCEPTABILITY, THE OWNER SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL LANDSCAPING. NEW PLANTINGS SHALL BE WATERED DURING INSTALLATION AND THROUGH A 12-WEEK ESTABLISHMENT PERIOD EACH DAY PROVIDING NO MORE THAN 1" OF WATER. AFTER THE ESTABLISHMENT PERIOD THE LANDSCAPE SHOULD BE WATERED 3-TIMES / WEEK DURING DROUGHT SEASONS PROVIDING NO MORE THAN 1" OF WATER EACH. AUTOMATIC IRRIGATION SYSTEMS MUST BE ADJUSTED FOR THE POST-ESTABLISHMENT WATER RATE. UNDER-WATERING AND OVER-WATERING MAY VOID PLANT REPLACEMENT WARRANTIES.
- ALL LANDSCAPING SHALL BE MAINTAINED IN A NEAT AND ORDERLY MANNER AT ALL TIMES. THIS SHALL INCLUDE WATERING, MOWING, EDGING, PRUNING, FERTILIZING, WEEDING, AND OTHER SUCH ACTIVITIES COMMON TO THE MAINTENANCE OF LANDSCAPING AND TRUE TO THE HORTICULTURE STANDARDS SPECIFIED BY THE AMERICAN HORTICULTURAL SOCIETY, AGRICULTURE UNIVERSITY PUBLICATIONS, COUNTY EXTENSION SERVICES, ETC. DO NOT PRUNE OR VERY LIGHTLY PRUNE PLANTS IN THE FIRST 3 YEARS OF GROWTH.



01 SINGLE OR MASS SHRUB PLANTING DETAIL

N.T.S.

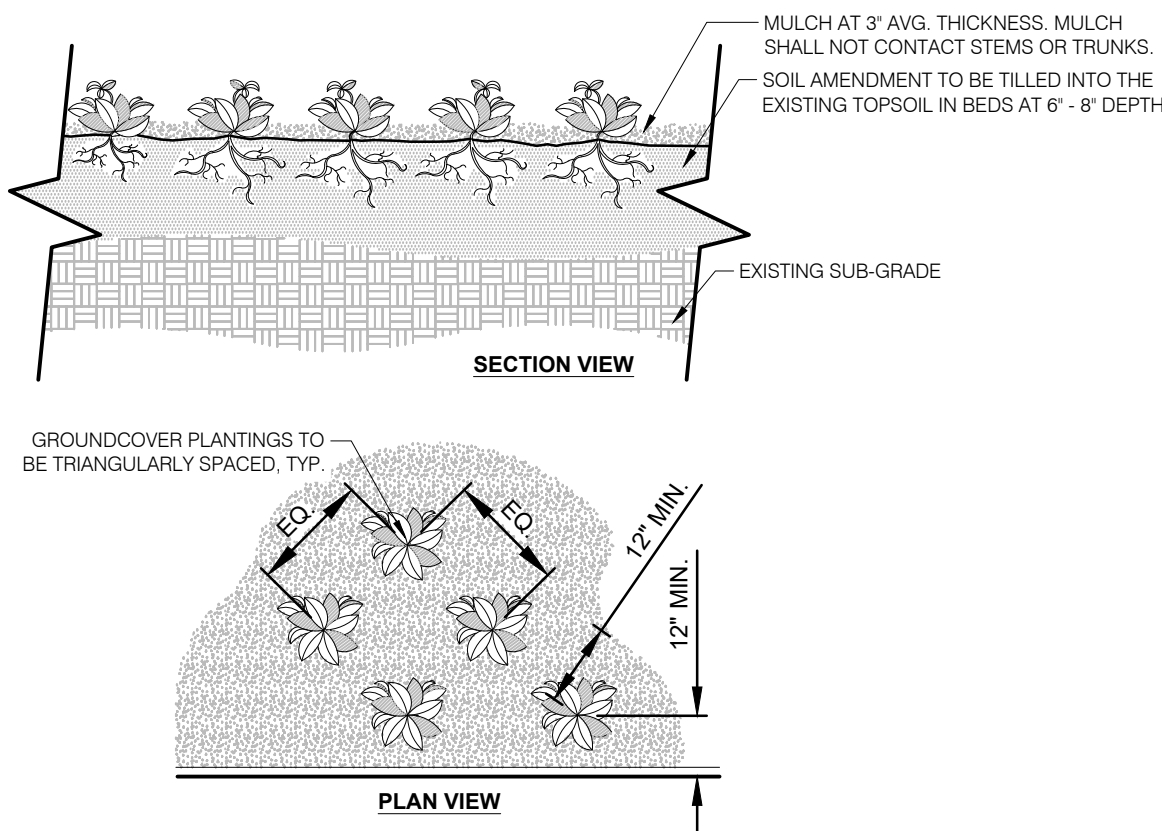
DETAIL-FILE



02 SINGLE TREE PLANTING DETAIL

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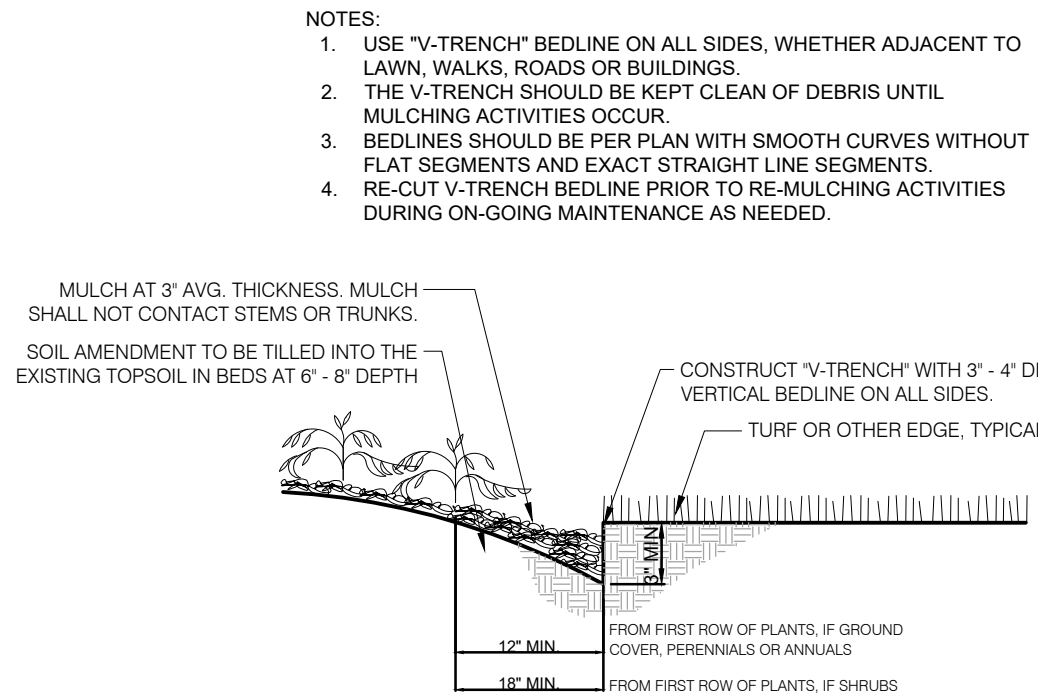
DETAIL-FILE



03 GROUNDCOVER PLANTING DETAIL

N.T.S.

DETAIL-FILE



04 "V-TRENCH" PLANT BEDLINE DETAIL

N.T.S.

DETAIL-FILE

PLANT SCHEDULE

SYMBOL	CODE	QTY	BOTANICAL / COMMON NAME	SIZE	CAL.	HT.
TREES						
	AA	4	Acer rubrum 'Autumn Flame' Autumn Flame Red Maple	45 gal	2" CAL. MIN.	10' HT. MIN.
	QN	2	Quercus nuttallii Nuttall Oak	45 gal	3" Cal. Min.	10' - 12' HT.
	QV	10	Quercus virginiana 'SDLN' PP12015 Cathedral Live Oak	45 gal	2" CAL. MIN.	10' - 12' HT.
SYMBOL	CODE	QTY	BOTANICAL / COMMON NAME	TYPE	SIZE	SPACING
SHRUBS						
	IB	89	Ilex cornuta 'Burfordii Nana' Dwarf Burford Holly	7-Gal	24" HT. MIN.	48" o.c.
	SM	14	Sabal minor Dwarf Palmetto	7-Gal	24" HT.	48" o.c.
SYMBOL	CODE	QTY	BOTANICAL / COMMON NAME	TYPE	FIELD2	SPACING
	CD	10,523 sf	Cynodon dactylon Bermudagrass	Sod		
	MULCH	2,436 sf	Mulch	Mulch		



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PLANTING NOTES
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LP-2



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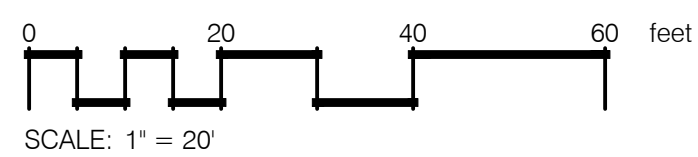


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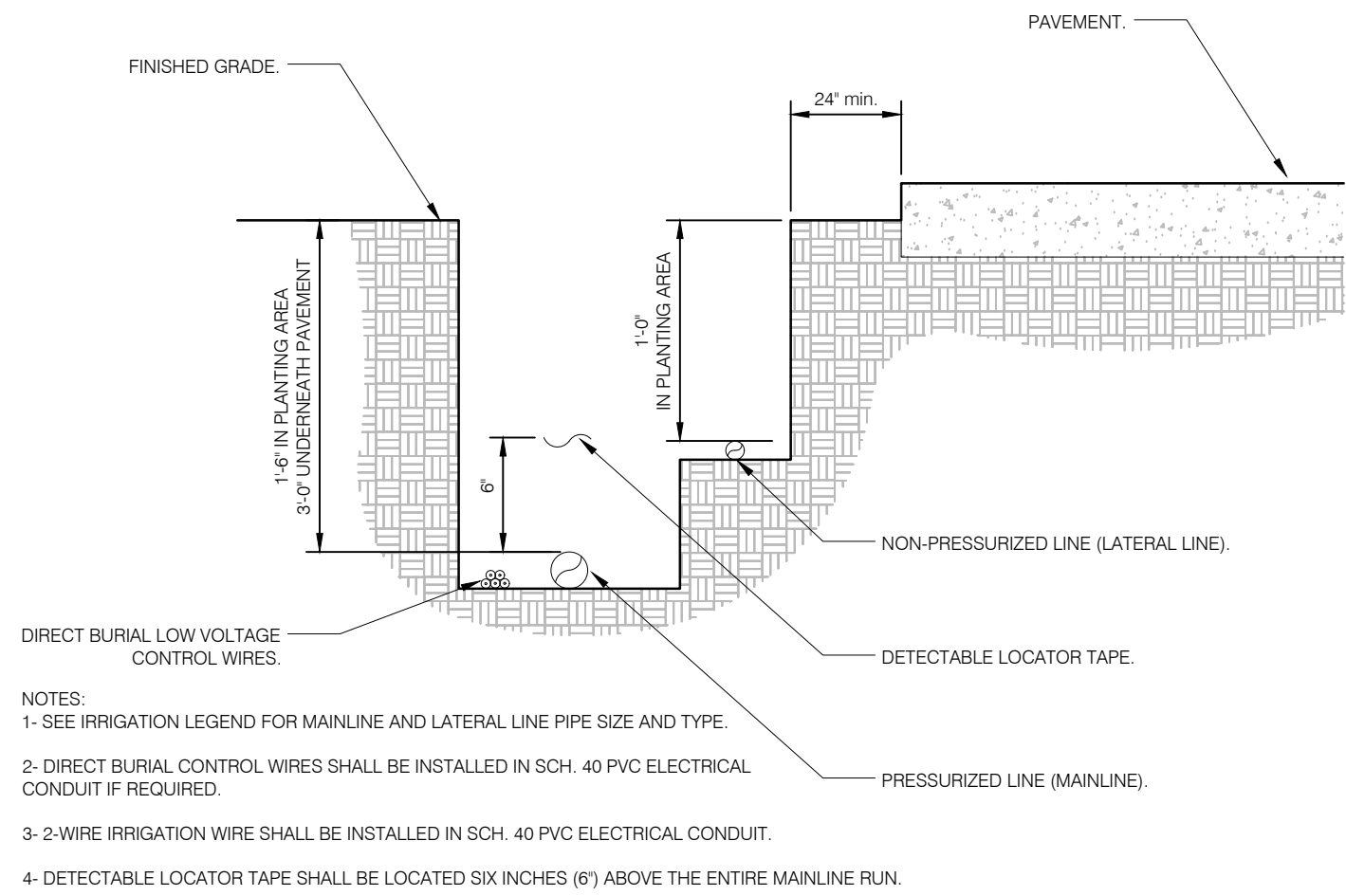
IRRIGATION PLAN

IR-1



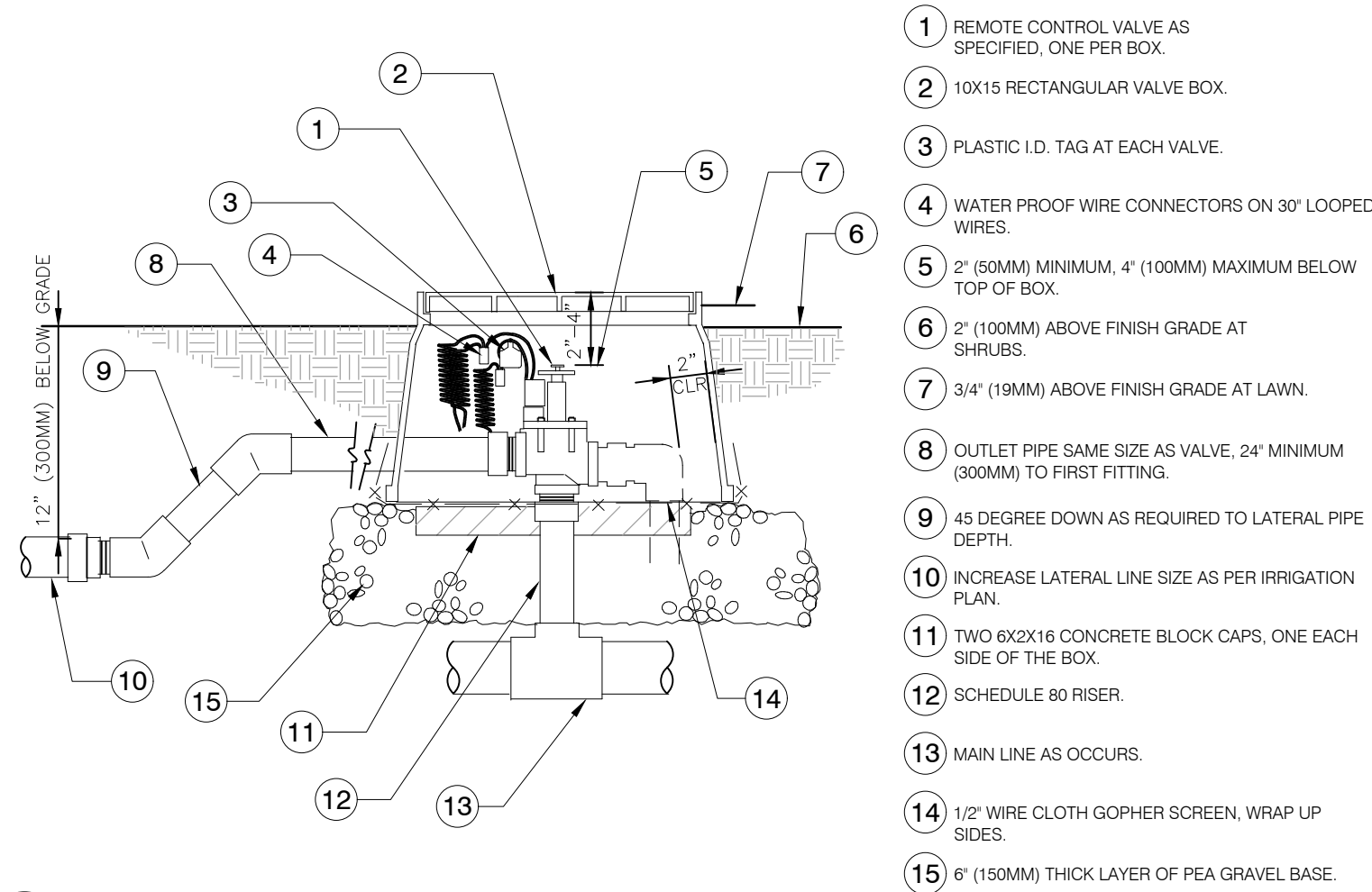
LANDSCAPE IRRIGATION NOTES:

- THE CONTRACTOR IS RESPONSIBLE FOR CALLING UNDERGROUND UTILITY LOCATE FOR IDENTIFICATION (CALL811.COM/811 IN YOUR SATE) PRIOR TO BEGINNING ANY SUB-SURFACE WORK ACTIVITIES.
- IRRIGATION SYSTEM DESIGNS AND INSTALLATIONS SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL CODES AS WELL AS BEST MANAGEMENT PRACTICES SET FORTH BY THE IRRIGATION ASSOCIATION RECOMME4NDATIONS AND CERTIFICATIONS. WORK IN THE R.O.W. SHALL CONFORM TO LOCAL AND/OR STATE HIGHWAY JURISDICTION STANDARDS AND SPECIFICATIONS.
- IRRIGATION SYSTEMS TO BE CONNECTED TO THE POTABLE WATER SUPPLY WILL REQUIRE A DEDICATED WATER METER AND BACKFLOW PREVENTER, AS REQUIRED BY THE GOVERNING MUNICIPALITY. CONTRACTOR SHALL ENSURE THE OWNER HAS APPLIED AND PAID FOR THE INSTALLATION OF THIS EQUIPMENT PRIOR TO BEGINNING INSTALLATION OF IRRIGATION OR PLANTING OF PLANTS.
- IRRIGATION SYSTEM SHALL BE CAPABLE OF SUPPLYING AN AVERAGE OF 1" OF WATER PER WEEK WITHIN WATERING RESTRICTIONS AS APPLICABLE. IRRIGATION SYSTEMS TO USE THE LOWEST QUALITY WATER AVAILABLE WHICH SAFELY MEETS THE WATER NEEDS OF THE SYSTEM, SUCH AS STORM WATER, RECLAIMED WATER, OR GRAY WATER WHERE FEASIBLE. DESIGNER SHALL VERIFY THE AVAILABILITY OF RE-USE WATER CURRENTLY OR IN THE FUTURE TO SPECIFY APPROPRIATE EQUIPMENT.
- WATER OVERTHROW TO IMPERVIOUS SURFACES SHALL BE MINIMIZED. IRRIGATED AREAS SHALL UTILIZE THE MOST EFFICIENT COMBINATION OF DRIP, SPRAY, AND ROTOR SYSTEMS SPACED TO PROVIDE 100% COVERAGE. ALL PROPOSED TREES AND PALMS IN ROTOR ZONES SHALL BE IRRIGATED WITH BUBBLERS.
- SET SPRAY HEADS 6", ROTORS 12" IN FROM THE BACK OF CURB OR 24" IN IF THE ROAD HAS NO CURB, AND 3" FROM SIDEWALKS WHERE APPLICABLE. LOCATE ALL VALVES A MINIMUM OF 36" FROM EDGE OF ANY PAVEMENT OR CONCRETE.
- ALL PRESSURIZED PIPES UNDER ASPHALT OR CONCRETE HARDSCAPES SHALL BE WITHIN SLEEVES AS SPECIFIED. ELECTRICAL WIRES UTILIZING THE SAME SLEEVE AS IRRIGATION SHALL BE IN THEIR OWN CONDUIT.
- THE SMALLEST DIAMETER LATERAL PIPE SHALL BE 3/4". ALL VALVES SHALL BE INSTALLED IN A PLASTIC VALVE BOX FLUSH WITH THE PROPOSED FINISH GRADE. IRRIGATION CONTROLLER SHALL BE INSTALLED PER PLAN AND TO BE VERIFIED WITH THE OWNER'S AGENT. FASTEN CONTROLLER TO WALL OR POST AT LEAST 3' ABOVE FINISH GRADE.



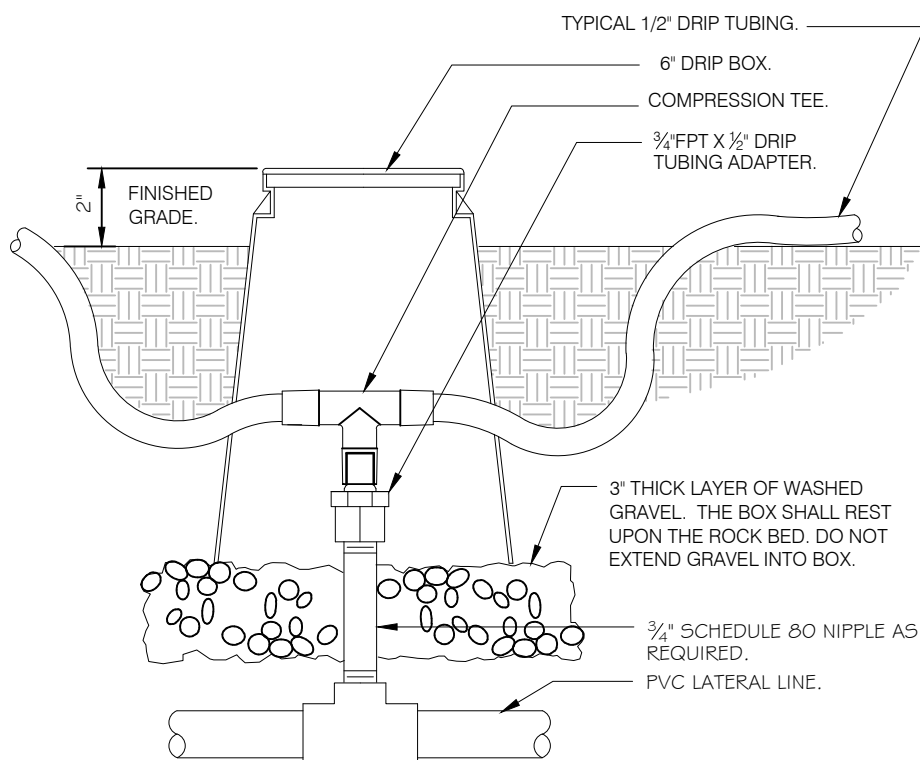
1 IRRIGATION TRENCHING
1 1/2" = 1'-0"

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FX-IR-FX-AUXEQ-05



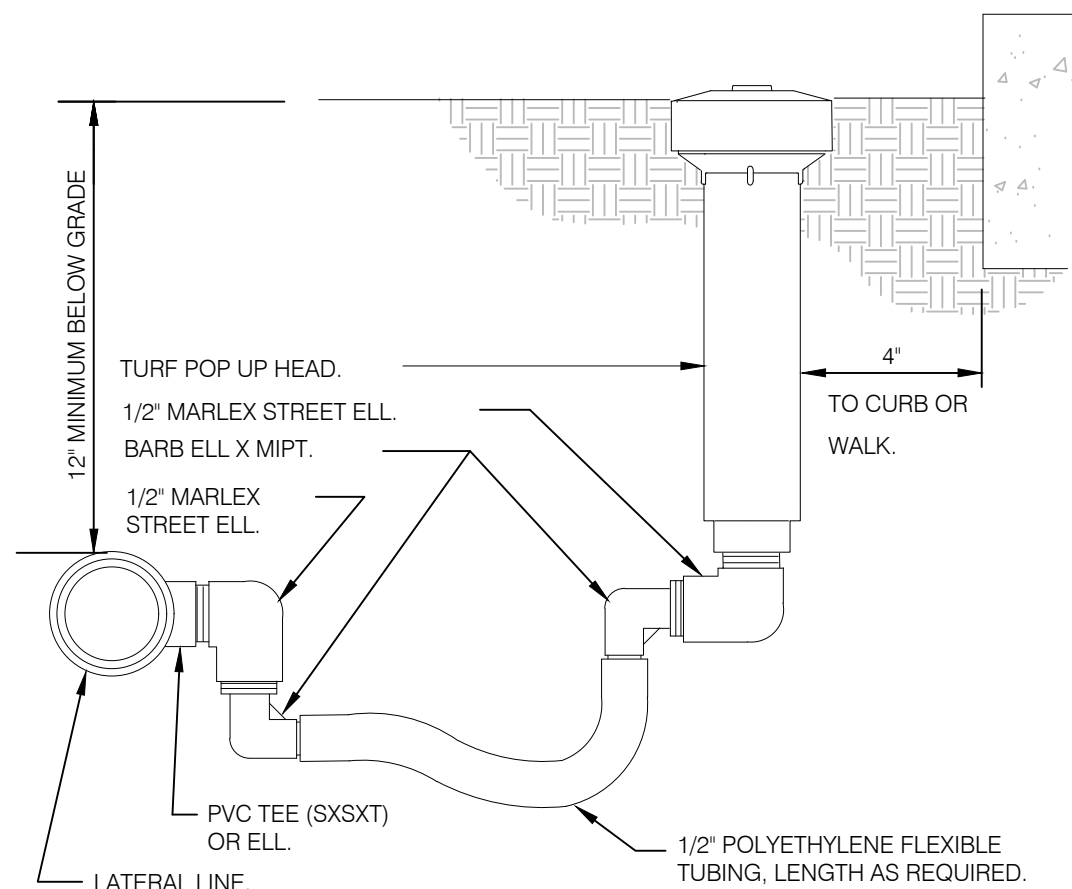
2 REMOTE CONTROL VALVE
1 1/2" = 1'-0"

FX-IR-FX-RCV-O1



3 ZONE CONTROL
3" = 1'-0"

P-RE-02





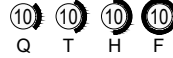


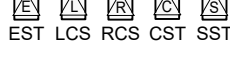
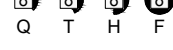








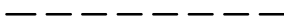

4 TURF SPRAY FLEX ASSEMBLY
3" = 1'-0"

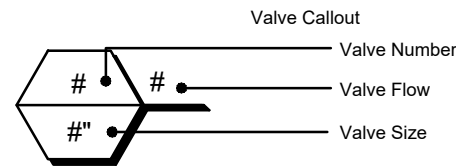
P-RE-05

CRITICAL ANALYSIS

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P.O.C. NUMBER: 01	
Water Source Information:	
FLOW AVAILABLE	
Point of Connection Size:	3"
Flow Available	155.34 GPM
PRESSURE AVAILABLE	
Static Pressure at POC:	60 PSI
Pressure Available:	60 PSI
DESIGN ANALYSIS	
Maximum Station Flow:	26 GPM
Flow Available at POC:	155.34 GPM
Residual Flow Available:	129.34 GPM
Design Pressure:	30 PSI
Friction Loss:	1.44 PSI
Fittings Loss:	0.14 PSI
Elevation Loss:	0 PSI
Loss through Valve:	1.9 PSI
Pressure Req. at Critical Station:	33.5 PSI
Loss for Fittings:	0.5 PSI
Loss for Main Line:	4.98 PSI
Loss for POC to Valve Elevation:	0 PSI
Loss for Backflow:	4.86 PSI
Critical Station Pressure at POC:	43.6 PSI
Pressure Available:	60 PSI
Residual Pressure Available:	16.4 PSI

IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI	DETAIL
	Rain Bird 1806 15 Strip Series Turf Spray 6.0in. Pop-Up Sprinkler with Co-Molded Wiper Seal. Side and Bottom Inlet. 1/2in. NPT Female Threaded Inlet.	1	30	
	Rain Bird 1806 8 Series MPR Turf Spray 6.0in. Pop-Up Sprinkler with Co-Molded Wiper Seal. Side and Bottom Inlet. 1/2in. NPT Female Threaded Inlet.	7	30	
	Rain Bird 1806 10 Series MPR Turf Spray 6.0in. Pop-Up Sprinkler with Co-Molded Wiper Seal. Side and Bottom Inlet. 1/2in. NPT Female Threaded Inlet.	2	30	
	Rain Bird 1806 12 Series MPR Turf Spray 6.0in. Pop-Up Sprinkler with Co-Molded Wiper Seal. Side and Bottom Inlet. 1/2in. NPT Female Threaded Inlet.	4	30	
	Rain Bird 1806 15 Series MPR Turf Spray 6.0in. Pop-Up Sprinkler with Co-Molded Wiper Seal. Side and Bottom Inlet. 1/2in. NPT Female Threaded Inlet.	41	30	
	Rain Bird 1812 15 Strip Series Shrub Spray 12in. Pop-Up Sprinkler with Co-Molded Wiper Seal. Side and Bottom Inlet. 1/2in. NPT Female Threaded Inlet.	26	30	
	Rain Bird 1812 8 Series MPR Shrub Spray 12in. Pop-Up Sprinkler with Co-Molded Wiper Seal. Side and Bottom Inlet. 1/2in. NPT Female Threaded Inlet.	4	30	
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	DETAIL	
	Rain Bird PGA Globe 1-1/2" 1in., 1-1/2in., 2in. Electric Remote Control Valve, Globe.	3		
	Rain Bird PGA Globe 1" 1in., 1-1/2in., 2in. Electric Remote Control Valve, Globe.	3		
	Febco 765 1" Pressure Vacuum Breaker, brass with ball valve SOV. Install 12in. above highest downstream outlet and the highest point in the downstream piping.	1		
	Rain Bird ESP-LXD 50 Station, 2-Wire Decoder based Controller. (1) ESP-LXD 50-Station, Indoor/Outdoor, Plastic Wall-Mount Enclosure. System Requirements: Rain Bird FD-XXX-TURF Field Decoders, Paige Electric Cable P7072D & Rain Bird WC20 Dry Splices ONLY. Ground System w/ (X) LSP-1TURF Line Surge Protectors in Rain Bird Round Valve Boxes. Install Per Manufacturers Recommendations.	1		
	Point of Connection 3"	1		
	Irrigation Lateral Line: PVC Class 200 SDR 21 1"	1,373 l.f.		
	Irrigation Lateral Line: PVC Class 200 SDR 21 1 1/2"	32.3 l.f.		
	Irrigation Mainline: PVC Class 200 SDR 21 1 1/2"	538.9 l.f.		
	Pipe Sleeve: PVC Schedule 40 2"	54.3 l.f.		
	Pipe Sleeve: PVC Schedule 40 4"	19.1 l.f.		



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IRRIGATION
NOTES & DETAILS

IR-2