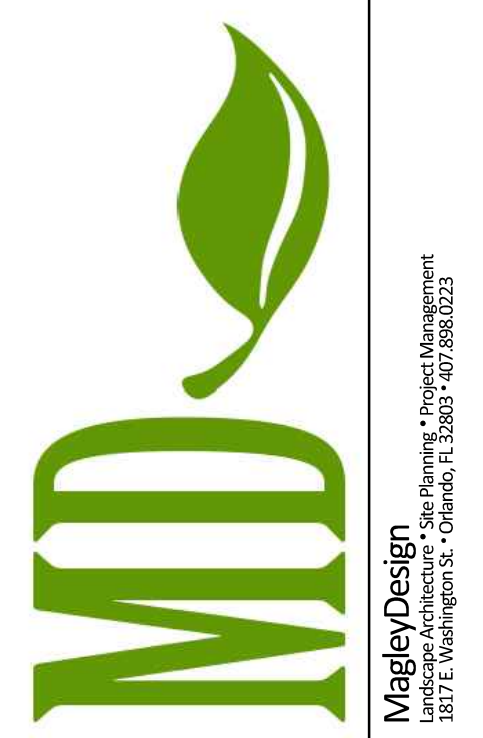
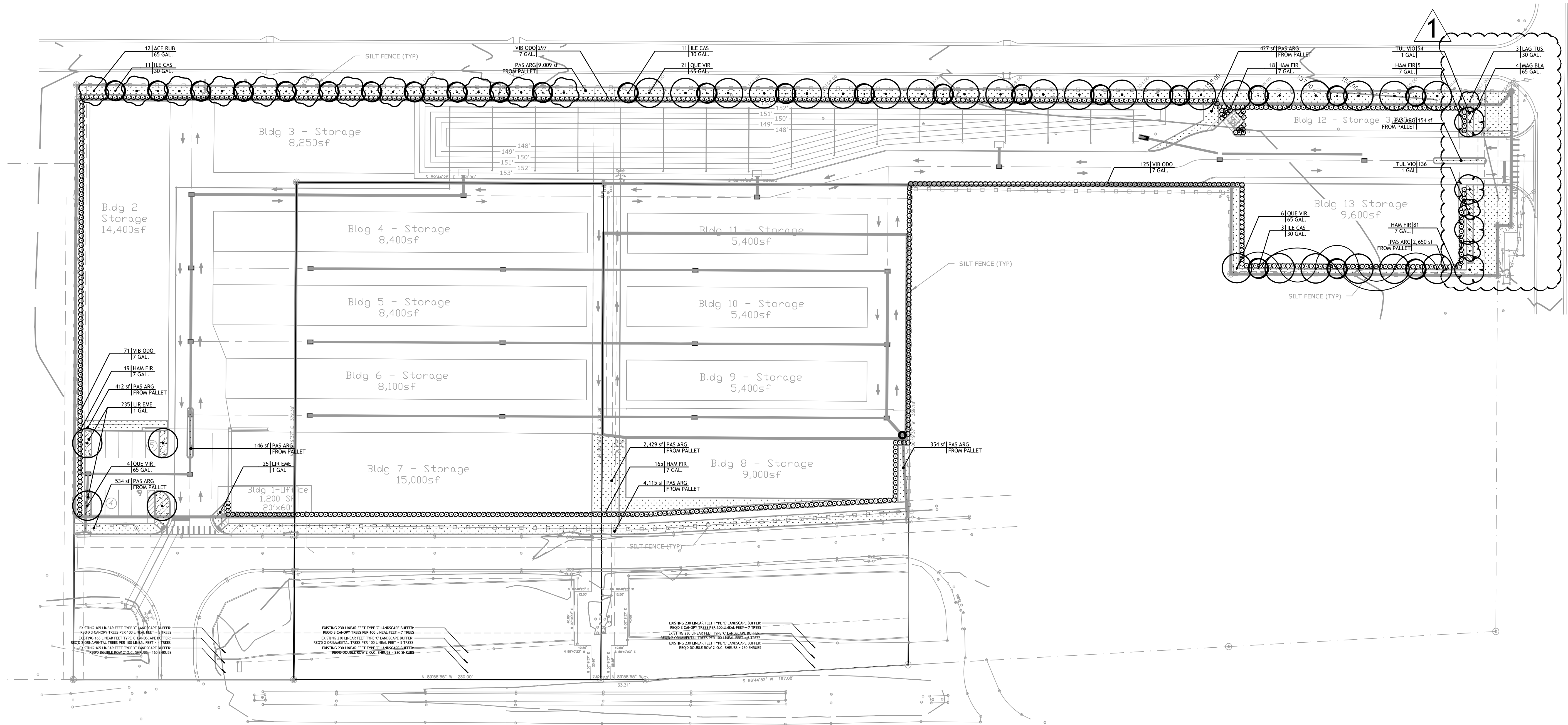


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ROCKER FAMILY TRUST

ROCKERS LOCKERS

LOTS 3, 4, 5
GREEN VALLEY COMMONS
GROVELAND, FLORIDA

SITE PLANS

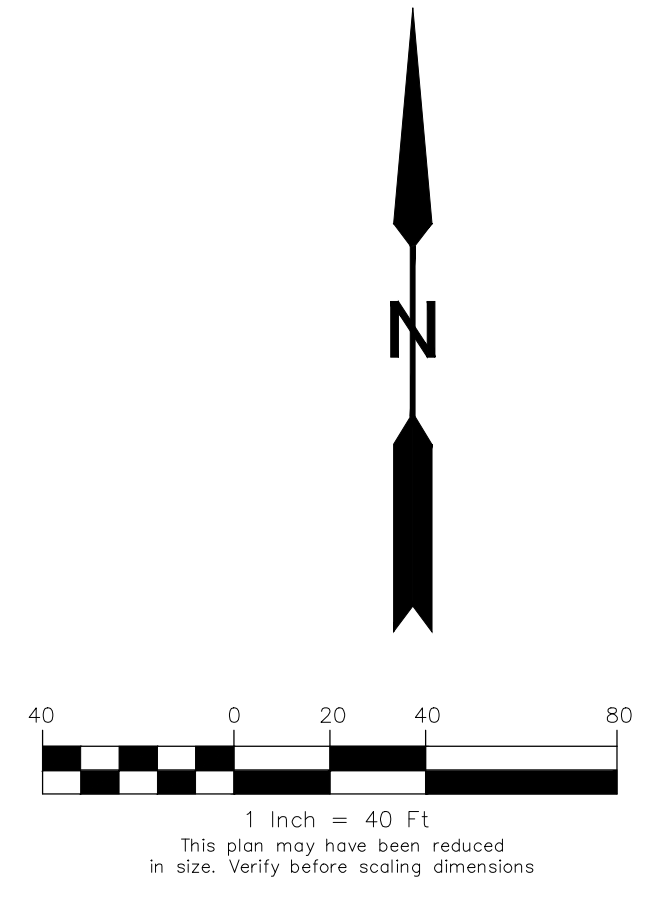
Sheet Title:
LANDSCAPE PLAN

Date: October 12, 2015
Revisions:
No.: 1 Date: January 26, 2015

Seal
James R Magley
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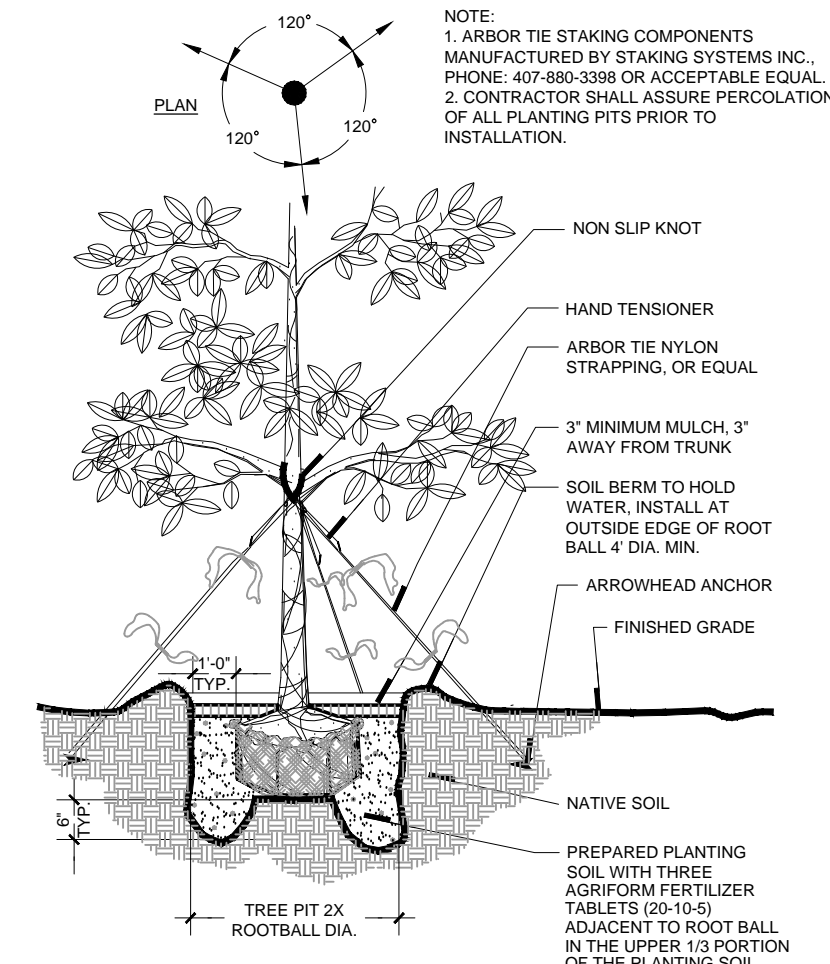
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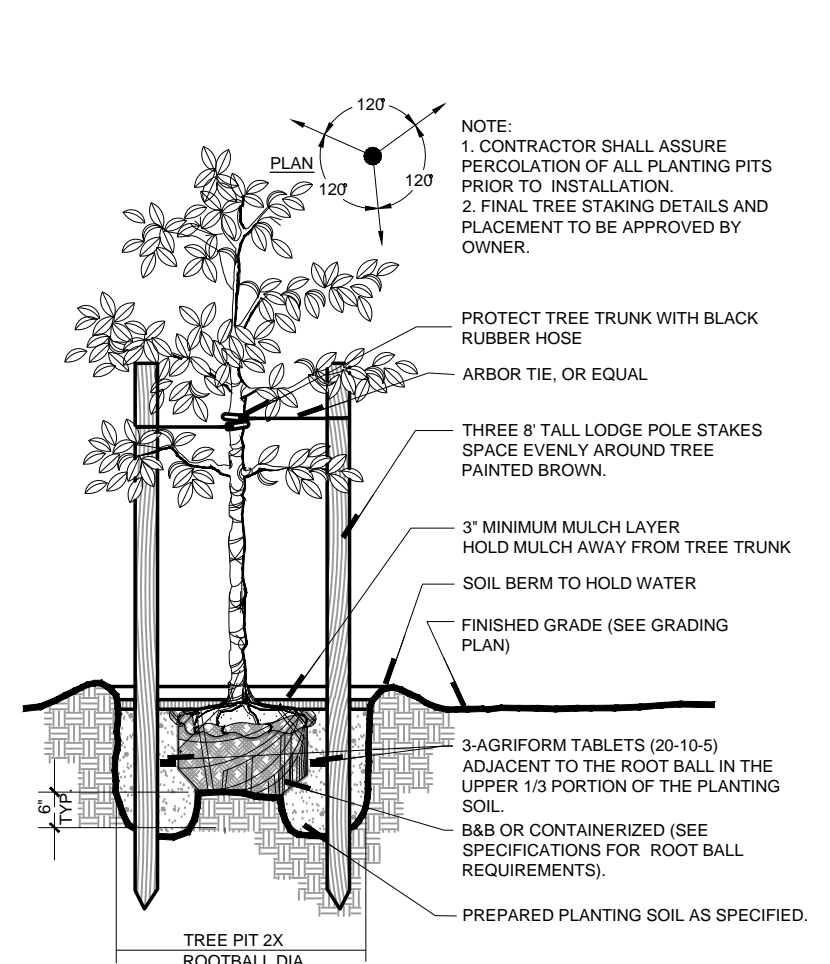
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TYPICAL LANDSCAPE NOTES:

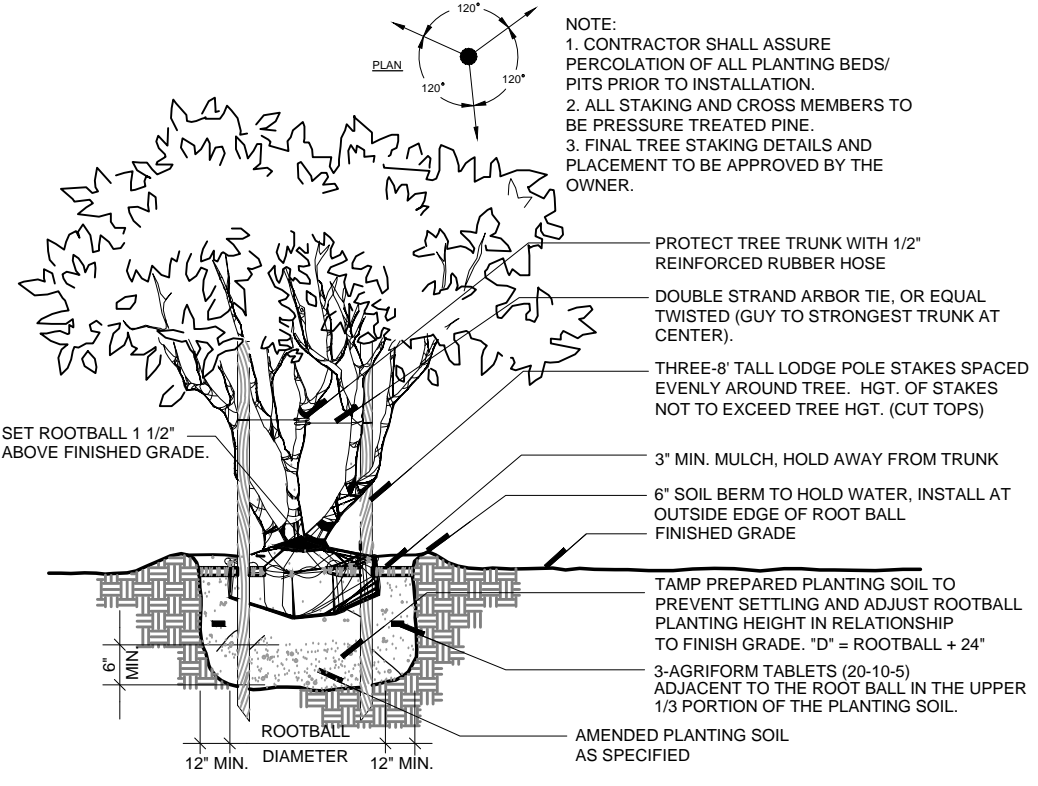
- ALL TREE CALIPER SIZES NOTED ARE MINIMUM. INCREASE SIZE OR ANY OTHER SPECIFICATIONS AS REQUIRED, PROVIDING MINIMUM PLANT SIZE AND SPECIFICATIONS.
- ALL CONTAINER SIZES NOTED ARE MINIMUM. INCREASE SIZE OF POT AS REQUIRED, PROVIDING MINIMUM PLANT SIZE AND SPECIFICATIONS. ALL HEIGHT AND SPREAD SPECIFICATIONS ARE MINIMUM.
- SHRUB AND GROUND COVER BED QUANTITIES ARE INDICATED FOR EACH PLANT BED. ALL PLANT QUANTITIES FOR PROPOSALS SHALL BE DERIVED SOLELY FROM DRAWINGS AND SPECIFICATIONS.
- SHRUB AND GROUND COVER SPACING IS INDICATED ON THE PLANT LIST AND SHALL APPLY FOR ALL "MASS PLANTING" BEDS.
- OWNERS REPRESENTATIVE MUST TAG AN EXAMPLE OF EACH PALM SPECIES ACCORDING TO THE SPECIFICATIONS IN THE PLANT LIST.
- SEE PLANT LIST DETAILS AND SPECIFICATIONS FOR FURTHER PLANTING INFORMATION.
- LOCATION OF ALL UTILITIES AND BASE INFORMATION IS APPROXIMATE. CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES AND OBSTRUCTIONS AND COORDINATE WITH OWNERS REPRESENTATIVE PRIOR TO INITIATING INSTALLATION WORK. CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR OR REPLACE ANY DAMAGE COMMITTED TO EXISTING ELEMENTS ABOVE OR BELOW GROUND TO ITS ORIGINAL CONDITION AND TO THE SATISFACTION OF THE OWNERS REPRESENTATIVE.
- CONTRACTOR SHALL FIELD ADJUST LOCATION OF PLANT MATERIAL AS NECESSARY TO AVOID DAMAGE TO EXISTING UNDERGROUND UTILITIES AND/OR EXISTING ABOVE GROUND ELEMENTS. ALL CHANGES REQUIRED SHALL BE COMPLETED AT THE CONTRACTORS EXPENSE AND SHALL BE COORDINATED WITH THE OWNERS REPRESENTATIVE.
- CONTRACTOR SHALL FIELD STAKE THE LOCATION OF ALL PLANT MATERIAL PRIOR TO INITIATING INSTALLATION FOR THE REVIEW AND APPROVAL OF THE LANDSCAPE ARCHITECT OR OWNERS REPRESENTATIVE. THE LOCATION OF ALL PLANT MATERIAL IS SUBJECT TO FIELD CHANGE.
- LANDSCAPE CONTRACTOR SHALL COORDINATE THEIR WORK WITH THE IRRIGATION CONTRACTOR AND ALL OTHER TRADES.
- LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL HAND WATERING AS REQUIRED UNTIL PLANT MATERIALS ARE WELL ESTABLISHED, TO SUPPLEMENT IRRIGATION WATERING AND RAINFALL.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAND WATERING IN ALL LANDSCAPE AREAS WHERE THE EXISTING OR PROPOSED IRRIGATION IS FOR WHATEVER REASON NOT OPERATING CORRECTLY.
- CONTRACTOR SHALL CLEAN THE WORK AREAS AT THE END OF EACH WORKING DAY. RUBBISH AND DEBRIS SHALL BE COLLECTED AND DEPOSITED AS DIRECTED DAILY. ALL MATERIALS, PRODUCTS, AND EQUIPMENT SHALL BE STORED IN AN ORGANIZED FASHION AS DIRECTED BY THE OWNER OR OWNERS REPRESENTATIVE.
- ALL PLANT MATERIAL SHALL BE IN FULL AND STRICT ACCORDANCE WITH FLORIDA NO. 1 GRADE, ACCORDING TO THE "GRADES AND STANDARDS FOR NURSERY PLANTS" PUBLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES, CURRENT EDITION.
- CONTRACTOR SHALL REMOVE EXISTING SOD AND/OR VEGETATION IN ALL AREAS TO BE PLANTED WITH SHRUB/GROUNDCOVERS AND/OR ALL AREAS TO BE MULCHED.
- CONTRACTOR SHALL REPLACE SOD IN ALL AREAS WHERE EXISTING VEGETATION IS REMOVED OR RELOCATED, WHERE EXISTING LAWN AREAS ARE DAMAGED BY HIS WORK, AND WHERE NEW VEGETATION IS INSTALLED (UNLESS OTHERWISE NOTED ON PLANS) WITH SAME GRASS SPECIES TO THE SATISFACTION OF THE OWNERS REPRESENTATIVE. CONTRACTOR SHALL BE RESPONSIBLE FOR FINISH GRADING ALL SUCH AREAS TO BLEND BOTH ELEVATIONS AND SOD INTO EXISTING SURROUNDING LAWN AREAS.
- THE CONTRACTOR SHALL BEAR ALL COSTS OF TESTING OF SOILS, AMENDMENTS, ETC. ASSOCIATED WITH THE WORK AND INCLUDED IN THE SPECIFICATIONS. PRIOR TO COMMENCEMENT OF THE LANDSCAPING WORK. FOR EVERY BLOCK SECTION OF STREET THE CONTRACTOR SHALL PROVIDE COMPLETE SOIL TESTS FOR AT LEAST THREE AREAS UNDISTURBED BY PREVIOUS WORK AND TWO AREAS DISTURBED AND/OR REFILLED. SEE SPECIFICATIONS FOR ADDITIONAL TESTING REQUIREMENTS.
- THE CONTRACTOR SHALL PROVIDE UNIT PRICES AS REQUESTED WHICH INCLUDE THE TOTAL COST OF THE WORK INCLUDING BUT NOT LIMITED TO ANY AND ALL COSTS FOR EQUIPMENT, MATERIAL, PRODUCTS, OVERHEAD, PROFIT, GUARANTEES, LABOR, INSTALLATION, ETC. TO PROVIDE A COMPLETE JOB AS OUTLINED ON THE DRAWINGS. THE OWNER SHALL HAVE THE OPTION TO ADD OR DEDUCT FROM THE LUMP SUM BID CONTRACT AMOUNT, BASED ON THE QUOTED UNIT PRICES FOR ANY OR THE ITEMS LISTED IN THE "PLANT LIST".
- CONTRACTOR SHALL PROTECT EXISTING VEGETATION TO REMAIN BY MEANS APPROVED BY THE OWNER/OWNERS REPRESENTATIVE AND AS DETAILED IN THE DRAWINGS.
- CONTRACTOR SHALL CLEAN, PRUNE, AND SHAPE EDGES OF EXISTING VEGETATION AS DIRECTED BY OWNERS REPRESENTATIVE. CREATE SMOOTH BED LINES AROUND EXISTING VEGETATION.
- CONTRACTOR AND EMPLOYEE VEHICLE PARKING SHALL BE COORDINATED WITH THE OWNER OR OWNERS REPRESENTATIVE. SHUTTLING OF EMPLOYEES TO THE PROJECT AREAS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL NOT DISRUPT OR CONFLICT IN ANY WAY WITH EXISTING TRAFFIC.
- CONSTRUCTION ACCESS SHALL BE INDICATED BY THE OWNER. COORDINATION OF HEAVY EQUIPMENT AND MATERIALS SHALL BE THE CONTRACTORS RESPONSIBILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SCHEDULING AND COORDINATION OF WORK WITH OTHER TRADES AND THE OWNER OR OWNERS REPRESENTATIVE.
- THE CONTRACTOR SHALL TAKE WHATEVER MEANS THAT MAY BE NECESSARY TO FULLY UNDERSTAND ALL THE ACCESS ROUTES AND CONSTRUCTION SCHEDULES IN ORDER TO PROVIDE A COMPLETE AND FINISHED PROJECT ON SCHEDULE.
- PINE STRAW MULCH OR APPROVED EQUAL SHALL BE USED (CYPRESS MULCH NOT ALLOWED).



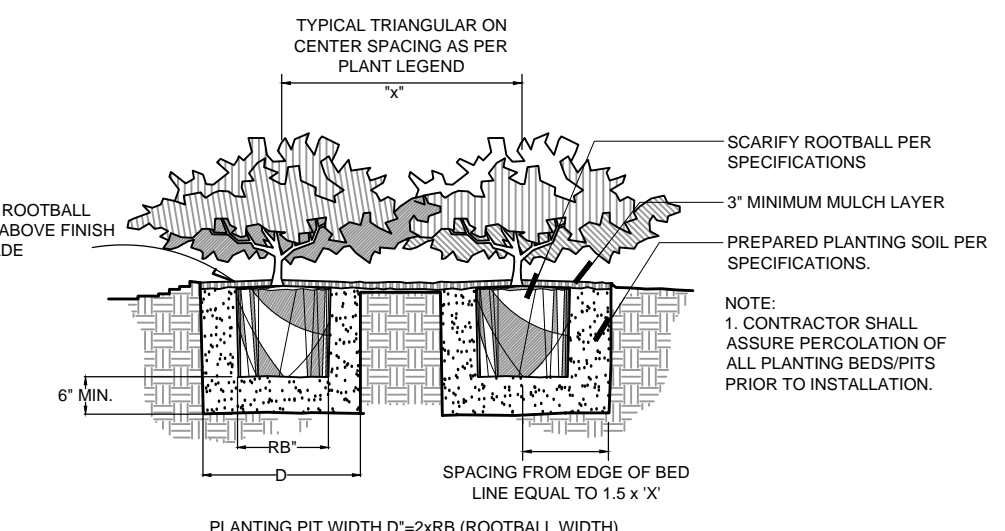
2 LARGE TREE PLANTING DETAIL
Scale: N.T.S.



3 SMALL TREE PLANTING DETAIL
Scale: N.T.S.



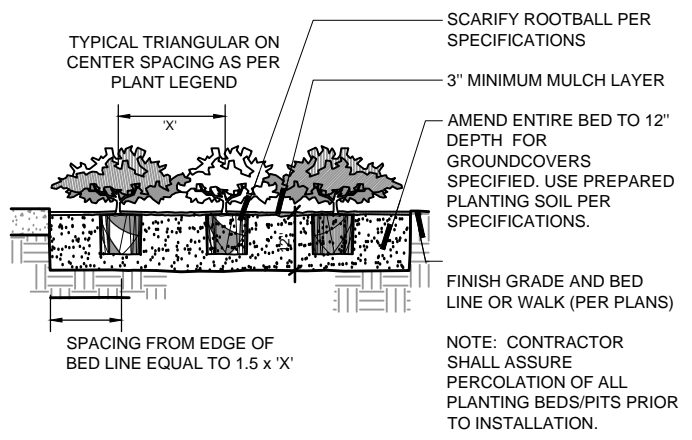
4 MULTI-TRUNK TREE PLANTING DETAIL
Scale: N.T.S.



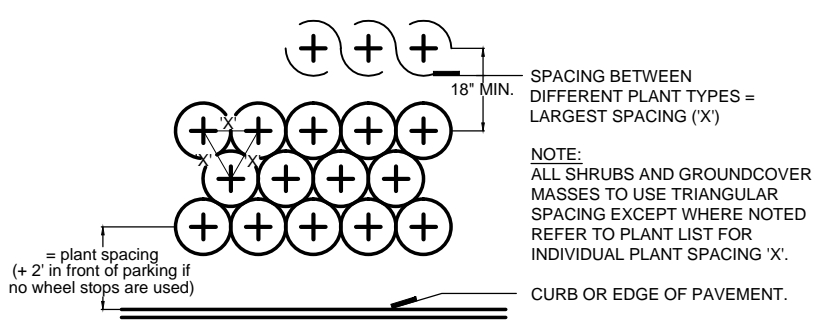
5 SHRUB PLANTING DETAIL
Scale: N.T.S.

PLANT SCHEDULE									
TREES	QTY	BOTANICAL NAME	COMMON NAME	CONT.	CAL	SPECIFICATION	WATER USAGE	NATIVE	REMARKS
ACE RUB	12	ACER RUBRUM	RED MAPLE	65 GAL.	4\"/>				

1 LANDSCAPE SCHEDULE



6 GROUND COVER PLANTING DETAIL
Scale: N.T.S.



7 PLANT SPACING DETAIL
Scale: N.T.S.



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GROVELAND, FLORIDA

SITE PLANS

Sheet Title:
LANDSCAPE NOTES & DETAILS

Date: October 12, 2015
Revisions:
No. 1 Date: January 26, 2015

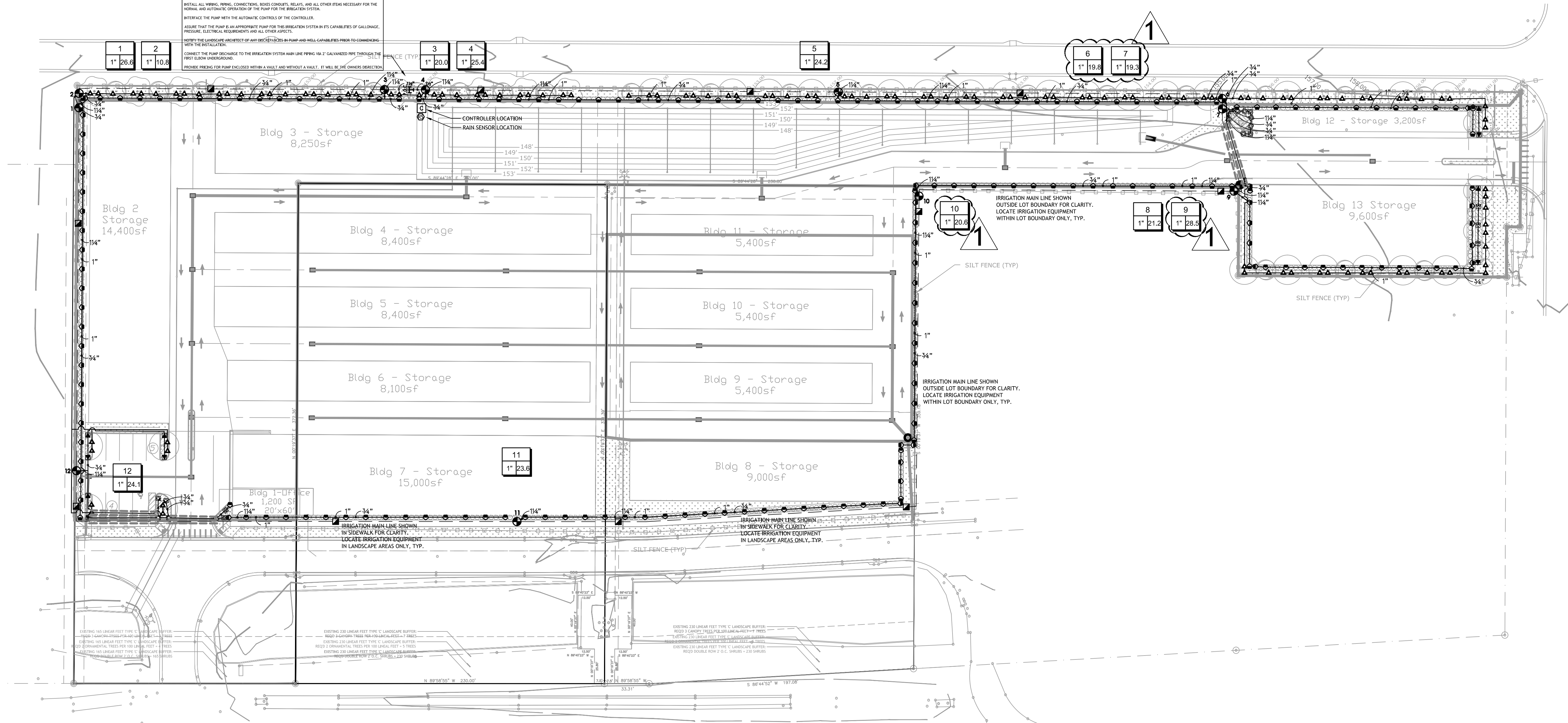
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DRILL A 5" WELL IN THIS AREA. WELL DRILLER SHALL VERIFY 100' SET DEPTH WILL PROVIDE MINIMUM 17' PUMP SUBMERGENCE AT FULL FLOW ACCOUNTING FOR SEASONAL WATER FLUCTUATION.
 PUMP SHALL BE ONE HOOPER MODEL HF7.5CV-200-3 W/ 2-2 OR APPROVED EQUAL. SEE SHEET IS FOR SPECIFICATIONS OF PUMP. THE PUMP SHALL DELIVER AN ESTIMATED 35 GPM @ 40 PSI AT THE STATION DISCHARGE AT 150' LIFT.
 INSTALL ALL WIRING, WIRING CONNECTIONS, WIRING CONDITS, RELAYS, AND ALL OTHER ITEMS NECESSARY FOR THE NORMAL AND AUTOMATIC OPERATION OF THE PUMP FOR THE IRRIGATION SYSTEM.
 INTERFACE THE PUMP WITH THE AUTOMATIC CONTROLS OF THE CONTROLLER.
 ASSURE THAT THE PUMP IS AN APPROPRIATE PUMP FOR THE IRRIGATION SYSTEM IN ITS CAPABILITIES OF GALLONS PER HOUR, PRESSURE, ELECTRICAL REQUIREMENTS AND ALL OTHER ASPECTS.
 VERIFY THE LANDSCAPE ARCHITECT'S OF ANY PRE-EXISTING PUMP AND WELL CAPABILITIES PRIOR TO COMMENCING WITH THE INSTALLATION.
 CONNECT THE PUMP DISCHARGE TO THE IRRIGATION SYSTEM MAIN LINE PIPING VIA 2" GALVANIZED PIPE THROUGH THE FIRST FLOOR UNDERGROUND.
 PROVIDE PIPING FOR PUMP ENCLOSED WITHIN A VAULT AND WITHOUT A VAULT. IT WILL BE THE OWNER'S DIRECTION.



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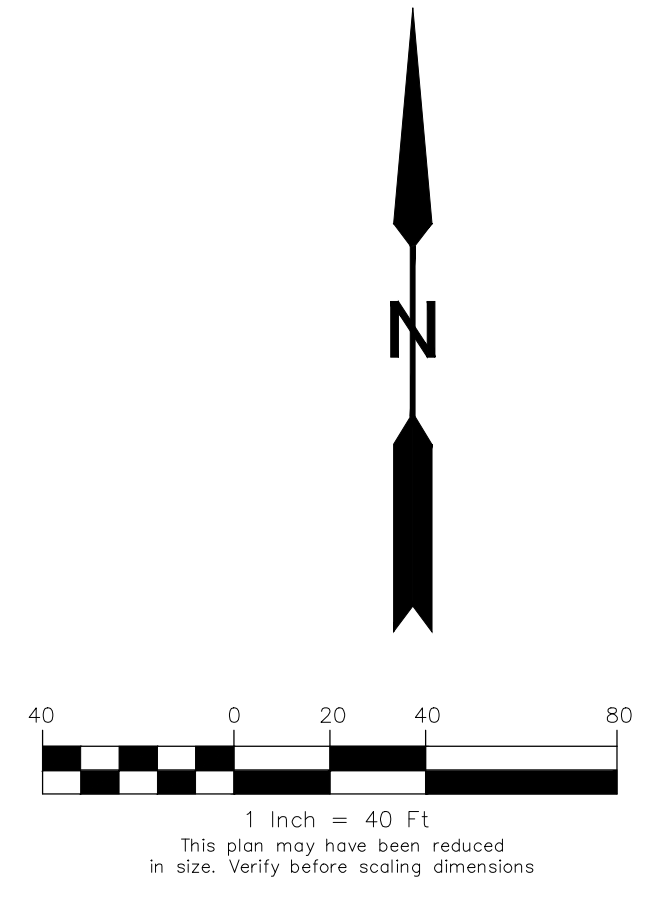
Sheet Title: IRRIGATION PLAN

Date: October 12, 2015
 Revisions:
 No.: Date:
 1 January 26, 2015

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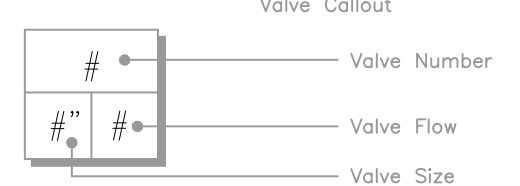


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TYPICAL IRRIGATION NOTES:

1. UNLESS OTHERWISE NOTED, THE LIMITS OF CONSTRUCTION ARE AS INDICATED ON DRAWINGS.
2. ANY TREES TO REMAIN WITHIN LIMIT OF WORK SHALL BE VERIFIED IN THE FIELD AND PROTECTED FROM DAMAGES.
3. ALL PROJECT BASE INFORMATION PROVIDED BY THE OWNER.
4. REFER TO ENGINEERING DRAWINGS FOR ALL UTILITY LOCATIONS, AND VERIFY IN THE FIELD PRIOR TO COMMENCING WORK. REFER TO ENGINEERING DRAWINGS FOR FINAL GRADING AND SPOT ELEVATIONS. VERIFY IN THE FIELD PRIOR TO CONSTRUCTION.
5. THE CONTRACTOR, PRIOR TO BEGINNING ANY UNDERGROUND EXCAVATION, DIGGING, OR BORING MUST FIRST OBTAIN ALL REQUIRED PERMITS. WORK IS NOT AUTHORIZED PRIOR TO THE ISSUANCE OF PERMIT(S). THE CONTRACTOR SHALL COMPLY WITH FL 77-153 REGARDING NOTIFICATIONS OF EXISTING GAS AND OIL PIPELINE COMPANY OWNERS. EVIDENCE OF SUCH NOTICE SHALL BE FURNISHED TO THE OWNER PRIOR TO EXCAVATING. THE CONTRACTOR SHALL COORDINATE FULLY WITH THE OWNER FOR ALL EXCAVATION PERMITS AND NOTIFICATIONS NECESSARY PRIOR TO INITIATING ALL WORK.
6. VERIFY GALLONAGE AND PRESSURE AVAILABILITY AND REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT BEFORE COMMENCING WITH THE INSTALLATION.
7. POP-UP SPRINKLER HEADS AND LATERALS SHALL BE INSTALLED 6" FROM EDGE OF PAVEMENT OR WALKS AND FLUSH WITH FINISH GRADE.
8. THE LOCATION OF ALL CONTROLLERS SHALL BE APPROVED BY THE OWNERS REPRESENTATIVE PRIOR TO INSTALLATION.
9. THE CONTRACTOR SHALL BE RESPONSIBLE TO FULLY COORDINATE THE INSTALLATION, LOCATION, AND CONNECTION OF THE POWER SOURCE AND SERVICE WITH THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
10. THE CONTRACTOR SHALL BE RESPONSIBLE TO FULLY COORDINATE THE INSTALLATION, LOCATION, AND CONNECTION OF THE TELEPHONE COMMUNICATION WIRE AND SERVICE WITH THE OWNER'S REPRESENTATIVE AND THE COMMUNICATIONS PROVIDER PRIOR TO INSTALLATION.
11. THE CONTRACTOR SHALL BE RESPONSIBLE TO FULLY COORDINATE AND INTEGRATE THE OPERATION SCHEDULE OF THE IRRIGATION CONTROL SYSTEM PER THE OWNER'S REPRESENTATIVE'S DIRECTION AND APPROVAL.
12. FIELD ALTERATIONS MADE IN THE IRRIGATION CONTRACT DRAWINGS MUST BE IN THE BEST INTEREST OF THE PLANT MATERIAL, SOD AND LANDSCAPE IRRIGATION SYSTEM. CHANGES MADE BY THE IRRIGATION CONTRACTOR SHALL BE APPROVED BY THE OWNER/LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
13. NO MATERIAL SUBSTITUTIONS ARE ALLOWED. ANY ALTERATION DEEMED BY THE OWNERS REPRESENTATIVE NOT IN CONFORMANCE WITH THE ABOVE CRITERIA SHALL BE REMOVED AND REPLACED AT THE IRRIGATION CONTRACTOR'S EXPENSE. IF QUESTIONS ARISE AS TO THE BEST WAY TO COMPLETE A FIELD ALTERATION, CONTACT THE OWNERS REPRESENTATIVE FOR APPROVAL.
14. THE LOCATION OF ALL PLANT MATERIAL SHALL BE FIELD STAKED BY THE LANDSCAPE CONTRACTOR FOR APPROVAL BY THE OWNERS REPRESENTATIVE OR LANDSCAPE ARCHITECT PRIOR TO INSTALLATION OF THE IRRIGATION SYSTEM.
15. RISER-MOUNTED SPRAY HEADS SHALL BE UTILIZED AS REQUIRED:
 - a. IN PLANTING BEDS ADJACENT TO BUILDING OR STRUCTURES ONLY.
 - b. TO BE INSTALLED 6" ABOVE PLANT HEIGHT AT TIME OF PLANTING.
 - c. RISER TO BE OF SCHEDULE 40 PVC AND PAINTED GREEN.
 - d. INSTALLED 12" FROM EDGE OF BUILDING WALL.
17. HIGH POP-UP SPRAYS SHALL BE UTILIZED AS REQUIRED:
 - a. IN PLANTING BEDS WHERE SPRAY HEAD IS IN LOW PLANTING OR GROUND COVER (MATURE PLANT HEIGHT IS 1' - 18").
 - b. IN PARKING ISLANDS CONTAINING GROUND COVER PLANTING.
 - c. WHERE IT IS ADVANTAGEOUS TO CONCEAL SPRINKLER HEADS DUE TO HIGH PEDESTRIAN TRAFFIC, VISIBILITY, VANDALISM AND MAINTENANCE, INSTALL SPRAY HIGH POP-UP RISER SO THAT HIGH POP-UPS SPRING ABOVE PLANT MATERIAL.
18. CHANGES IN HEAD PLACEMENT OR A SPRAY SUBSTITUTION SHOULD ALWAYS TAKE INTO CONSIDERATION:
 - a. WHAT IS BEST FOR THE GROWTH AND MAINTENANCE OF THE SOD AND PLANT MATERIAL.
 - b. MAINTAINING A CONSTANT AND EVEN WATER DISTRIBUTION AND PRECIPITATION RATE (I.E., NEVER PUT ROTORS AND SPRAYS IN SAME ZONE)
19. INSTALL ALL CONNECTED PIPING SHOWN BETWEEN DIFFERENT PIPE SIZES LABELS AS THE LARGER OF THE TWO SIZES OF PIPE.
20. INSTALL ALL PIPING TO INDIVIDUAL SPRAY HEADS AND BUBBLERS AS 3/4"
21. EACH TYPE OF ZONE IS TO BE PIPED SEPARATELY. DO NOT INTERCONNECT DIFFERENT TYPES OF ZONES (I.E., ROTORS AND SPRAYS).
22. ANY IRRIGATION ITEMS NORMALLY INSTALLED IN LANDSCAPE AREAS THAT ARE SHOWN OUTSIDE OF LANDSCAPE AREAS OR OUTSIDE OF PROPERTY LINES ARE SHOWN AS SUCH FOR GRAPHIC CLARITY ONLY. INSTALL THESE ITEMS INSIDE OF PROPERTY LINES AND IN LANDSCAPE AREAS.
23. PROVIDE PROOF TO THE LANDSCAPE ARCHITECT THAT ALL AVAILABLE MAINTENANCE MANUALS FOR EACH OF THE PRODUCTS INCLUDED IN THIS INSTALLATION HAVE BEEN PROVIDED TO THE OWNER OR OWNER'S REPRESENTATIVE.
24. VALVES ARE SHOWN OUTSIDE OF PLANT BEDS FOR GRAPHIC CLARITY. INSTALL ALL VALVES AND VALVE BOXES IN LAWN AREAS, NOT PLANTING BEDS.
25. THE CONTRACTORS ARE RESPONSIBLE FOR FAMILIARIZING THEMSELVES WITH ALL CODES, INCLUDING THOSE REGARDING SEPARATION DISTANCE MINIMUMS FOR POTABLE WATER VERSUS EFFLUENT WATER AND SHALL INSTALL THE SYSTEM IN ACCORDANCE WITH THOSE CODES.
26. INSTALL 12" POP-UP SPRAY HEADS AT FINISHED GRADE IN ALL GROUND COVER AREAS.
27. INSTALL ALL SPRAYHEADS IN SHRUB BEDS ON RISERS ALONG BUILDING SIDEWALLS.
28. SPACE ALL SPRAY HEADS AT A MAXIMUM OF 55% OF THEIR EFFECTIVE COVERAGE DIAMETER OR CLOSER WHERE SHOWN AS SUCH ON THE PLANS.
29. ALL BAHIA SOD WILL NOT BE IRRIGATED, UNLESS SHOWN OTHERWISE. CONTRACTOR WILL BE RESPONSIBLE FOR HAND WATERING UNTIL IT IS WELL ENOUGH ESTABLISHED TO SURVIVE THROUGH THE WARRANTY PERIOD.

IRRIGATION SCHEDULE					
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	ARC	GPM	RADIUS
⦿	RAIN BIRD 1800-PA-85-PRS 15 STRIP SERIES SHRUB SPRAY ON FIXED RISER WITH THE PA-85-PRS PRESSURE REGULATING SHRUB ADAPTER. USE WITH 1/2" MPT THREADED RISERS.	23	EST	0.61	4x15'
⦿	RAIN BIRD 1800-PA-85-PRS 15 STRIP SERIES SHRUB SPRAY ON FIXED RISER WITH THE PA-85-PRS PRESSURE REGULATING SHRUB ADAPTER. USE WITH 1/2" MPT THREADED RISERS.	170	SST	1.21	4x30'
⦿	RAIN BIRD 1812-SAM-PRS 15 STRIP SERIES SHRUB SPRAY 12.0" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2" NPT FEMALE THREADED INLET. WITH SEAL-A-MATIC CHECK VALVE, AND PRESSURE REGULATING DEVICE.	3	CST	1.21	4x30'
⦿	RAIN BIRD 1812-SAM-PRS 15 STRIP SERIES SHRUB SPRAY 12.0" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2" NPT FEMALE THREADED INLET. WITH SEAL-A-MATIC CHECK VALVE, AND PRESSURE REGULATING DEVICE.	10	EST	0.61	4x15'
⦿	RAIN BIRD 1812-SAM-PRS 8 SERIES MPR SHRUB SPRAY 12.0" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2" NPT FEMALE THREADED INLET. WITH SEAL-A-MATIC CHECK VALVE, AND PRESSURE REGULATING DEVICE.	5	90	0.26	8'
⦿	RAIN BIRD 1812-SAM-PRS 10 SERIES MPR SHRUB SPRAY 12.0" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2" NPT FEMALE THREADED INLET. WITH SEAL-A-MATIC CHECK VALVE, AND PRESSURE REGULATING DEVICE.	4	90	0.39	10'
⦿	RAIN BIRD 1812-SAM-PRS HE-VAN SERIES SHRUB SPRAY 12.0" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2" NPT FEMALE THREADED INLET. WITH SEAL-A-MATIC CHECK VALVE, AND PRESSURE REGULATING DEVICE.	7	ADJ		8'
▲	RAIN BIRD 1800-1400 FLOOD FIXED FLOW RATE (0.25-2.0GPM), FULL CIRCLE BUBBLER, 1/2" FIPT.	122	360	0.25	1'
⦿	RAIN BIRD PESB-PRS-D 1" 1" - 1/2", 2" PLASTIC INDUSTRIAL VALVES. LOW FLOW OPERATING CAPABILITY. GLOBE CONFIGURATION. WITH PRESSURE REGULATING MODULE, AND SCRUBBER TECHNOLOGY FOR RELIABLE PERFORMANCE IN DIRTY WATER IRRIGATION APPLICATIONS.	12			
⦿	RAIN BIRD 33-DLRC 3/4" 3/4" BRASS QUICK-COUPLING VALVE, WITH CORROSION-RESISTANT STAINLESS STEEL SPRING, LOCKING THERMOPLASTIC RUBBER COVER, DOUBLE TRACK KEY LUG, AND 2-PIECE BODY.	11			
C	RAIN BIRD ESP8LXMEF WITH (02) ESPLXMSM 16 STATION COMMERCIAL CONTROLLER. MOUNTED ON A PLASTIC WALL MOUNT. FLOW SENSING AND WATER MANAGEMENT CAPABILITIES.	1			
⦿	RAIN BIRD RSD-BEX RAIN SENSOR, WITH METAL LATCHING BRACKET, EXTENSION WIRE.	1			
⦿	IRRIGATION WELL	1			
---	IRRIGATION LATERAL LINE: PVC CLASS 160 SDR 26 3/4" PVC CLASS 315 FOR 1/2" PIPE, PVC CLASS 200 FOR 3/4" PIPE, PVC CLASS 160 SDR 26 FOR 1" AND ABOVE.	3,439 L.F.			
---	IRRIGATION LATERAL LINE: PVC CLASS 160 SDR 26 1" PVC CLASS 315 FOR 1/2" PIPE, PVC CLASS 200 FOR 3/4" PIPE, PVC CLASS 160 SDR 26 FOR 1" AND ABOVE.	772.1 L.F.			
---	IRRIGATION LATERAL LINE: PVC CLASS 160 SDR 26 1 1/4" PVC CLASS 315 FOR 1/2" PIPE, PVC CLASS 200 FOR 3/4" PIPE, PVC CLASS 160 SDR 26 FOR 1" AND ABOVE.	809.8 L.F.			
---	IRRIGATION MAINLINE: PVC SCHEDULE 40 1 1/2" PVC SCHEDULE 40 IRRIGATION PIPE.	2,349 L.F.			
---	PIPE SLEEVE: BLU-LOCK AND PVC CLASS 200 TYPICAL PIPE SLEEVE FOR IRRIGATION PIPE. PIPE SLEEVE SIZE SHALL ALLOW FOR IRRIGATION PIPING AND THEIR RELATED COUPLINGS TO EASILY SLIDE THROUGH SLEEVING MATERIAL. EXTEND SLEEVES 18 INCHES BEYOND EDGES OF PAVING OR CONSTRUCTION.	313.9 L.F.			



VALVE SCHEDULE							
NUMBER	MODEL	SIZE	TYPE	PSI	PSI @ POC	GPM	PRECIP
1	RAIN BIRD PESB-PRS-D	1"	SHRUB SPRAY	41.27	45.49	26.63	2.01 in/h
2	RAIN BIRD PESB-PRS-D	1"	BUBBLER	36.73	37.49	10.75	7.66 in/h
3	RAIN BIRD PESB-PRS-D	1"	SHRUB SPRAY	37.77	37.98	19.97	1.87 in/h
4	RAIN BIRD PESB-PRS-D	1"	SHRUB SPRAY	40.47	40.47	25.41	1.84 in/h
5	RAIN BIRD PESB-PRS-D	1"	SHRUB SPRAY	39.93	40.78	24.20	1.84 in/h
6	RAIN BIRD PESB-PRS-D	1"	BUBBLER	39.32	40.97	19.75	9.92 in/h
7	RAIN BIRD PESB-PRS-D	1"	SHRUB SPRAY	37.48	39.09	19.31	1.66 in/h
8	RAIN BIRD PESB-PRS-D	1"	SHRUB SPRAY	37.21	37.21	17.71	1.66 in/h
9	RAIN BIRD PESB-PRS-D	1"	SHRUB SPRAY	41.23	45.10	28.47	1.83 in/h
10	RAIN BIRD PESB-PRS-D	1"	SHRUB SPRAY	38.28	41.45	20.60	1.94 in/h
11	RAIN BIRD PESB-PRS-D	1"	SHRUB SPRAY	39.68	45.61	23.80	1.88 in/h
12	RAIN BIRD PESB-PRS-D	1"	SHRUB SPRAY	40.47	45.99	24.08	1.62 in/h

CRITICAL ANALYSIS

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P.O.C. NUMBER: 01
Water Source Information: IRRIGATION WELL

FLOW AVAILABLE
Custom Max Flow: 30.00 gpm
Flow Available: 30.00 gpm

PRESSURE AVAILABLE
Static Pressure at POC: 50.00 psi
Pressure Available: 50.00 psi

DESIGN ANALYSIS
Maximum Station Flow: 25.28 gpm
Flow Available at POC: 30.00 gpm
Residual Flow Available: 4.72 gpm

Pressure Req. at Critical Station: 41.23 psi
Loss for Fittings: 0.75 psi
Loss for Main Lines: 7.49 psi
Loss for POC to Valve Elevation: 0.00 psi
Loss for Backflow: 0.00 psi
Critical Station Pressure at POC: 49.47 psi
Pressure Available: 50.00 psi
Residual Pressure Available: 0.53 psi



ROCKER FAMILY TRUST

ROCKERS LOCKERS
Lots 3, 4, 5
GREEN VALLEY COMMONS
GROVELAND, FLORIDA

SITE PLANS

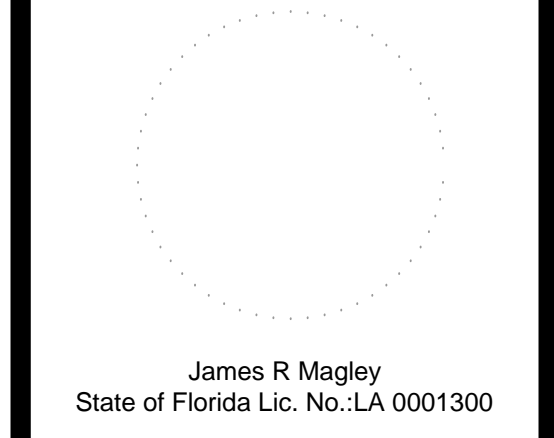
Sheet Title:

IRRIGATION NOTES

Date: October 12, 2015

Revisions:
No.: 1 Date: January 26, 2015

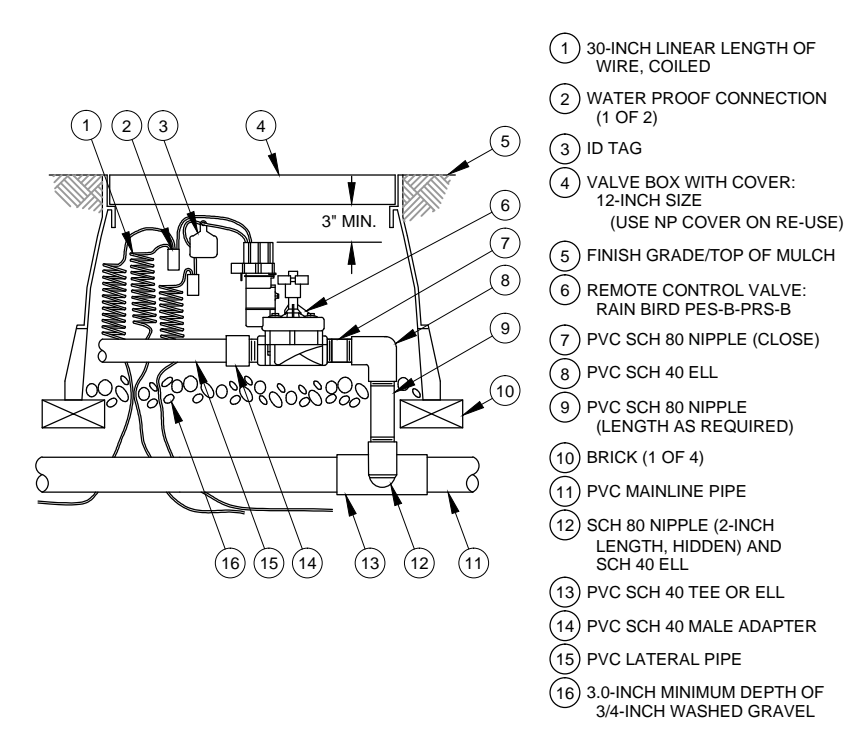
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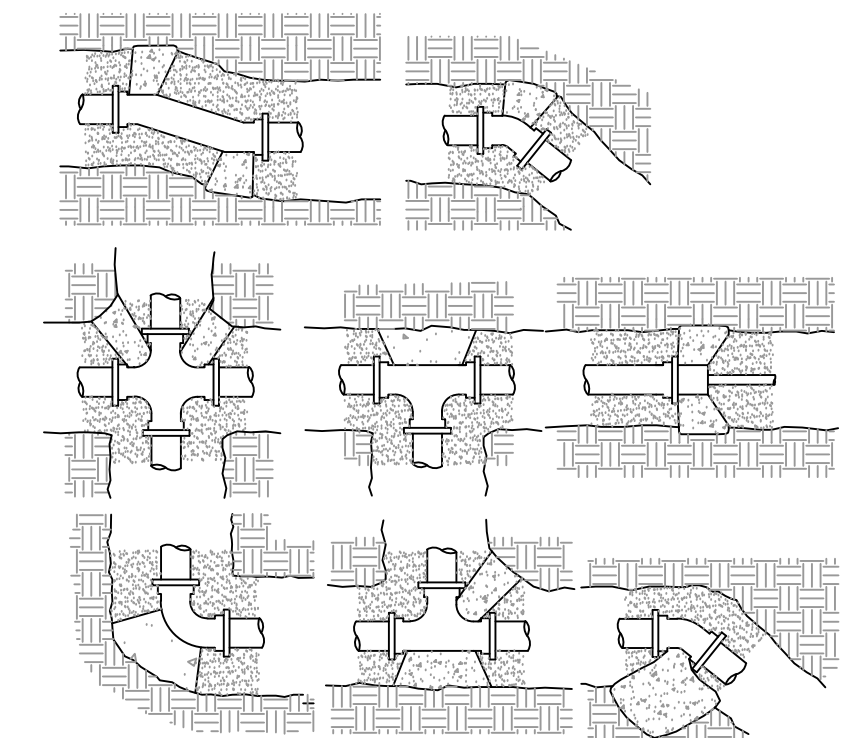


1 REMOTE CONTROL VALVE
Scale: N.T.S.

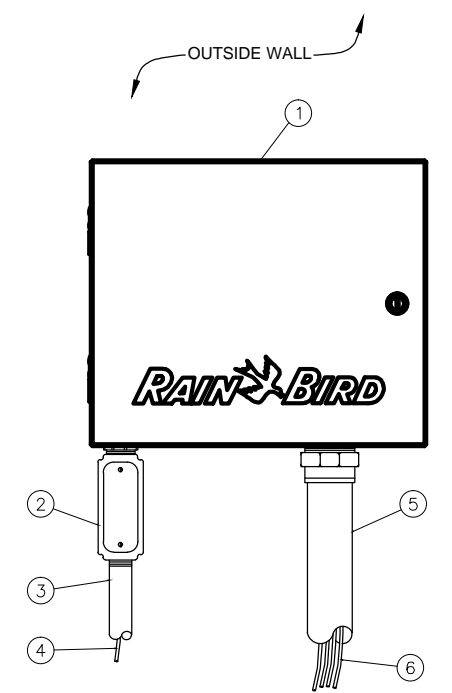
NOTE: ALL PIPE TRENCHING SHALL CONFORM TO THE CITY OF GROVELAND MANUAL OF STANDARDS, APPENDIX A, GENERAL DETAILS.



2 TYPICAL TRENCHING DETAIL
Scale: N.T.S.

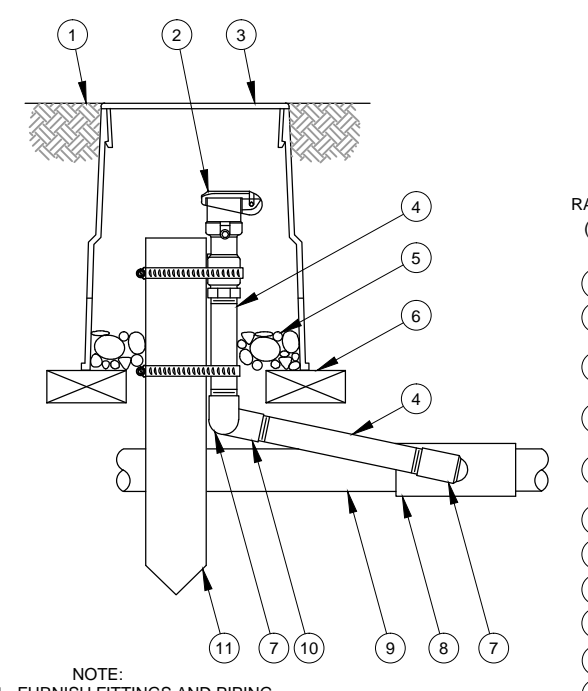


3 TYPICAL THRUST BLOCK DETAIL
Scale: N.T.S.

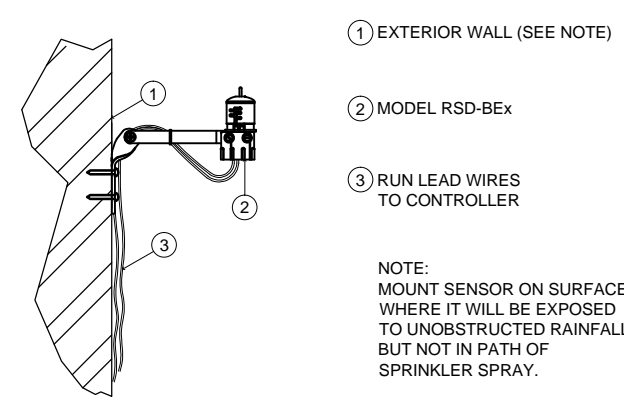


4 ESP-LXME CONTROLLER IN METAL CABINET
Scale: N.T.S.

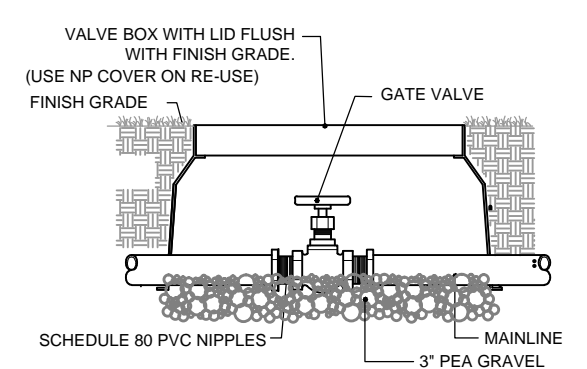
NOTES:
1. ESP-LXME CONTROLLER IS AVAILABLE IN 6- OR 12-STATION BASE MODELS. ADDITIONAL MODULES IN 4-, 6- AND 12-STATION VERSIONS MAY BE ADDED TO BRING THE CONTROLLER UP TO 48 STATIONS MAXIMUM.
2. FOR EASE OF INSTALLATION INTO A CONTROLLER WITH MORE THAN 24 STATIONS, INSTALL A JUNCTION BOX AT THE BASE OF CONTROLLER AND TRANSITION LARGER VALVE AND COMMON WIRES FROM FIELD TO 18 AWG MULTI-CONDUCTOR WIRE TO BE USED IN CONTROLLER.
3. USE STEEL CONDUIT FOR ABOVE GRADE AND SCH 40 PVC CONDUIT FOR BELOW GRADE CONDITIONS.
4. PROVIDE PROPER GROUNDING COMPONENTS TO ACHIEVE GROUND RESISTANCE OF 10 OHMS OR LESS.



5 QUICK COUPLER VALVE
Scale: N.T.S.



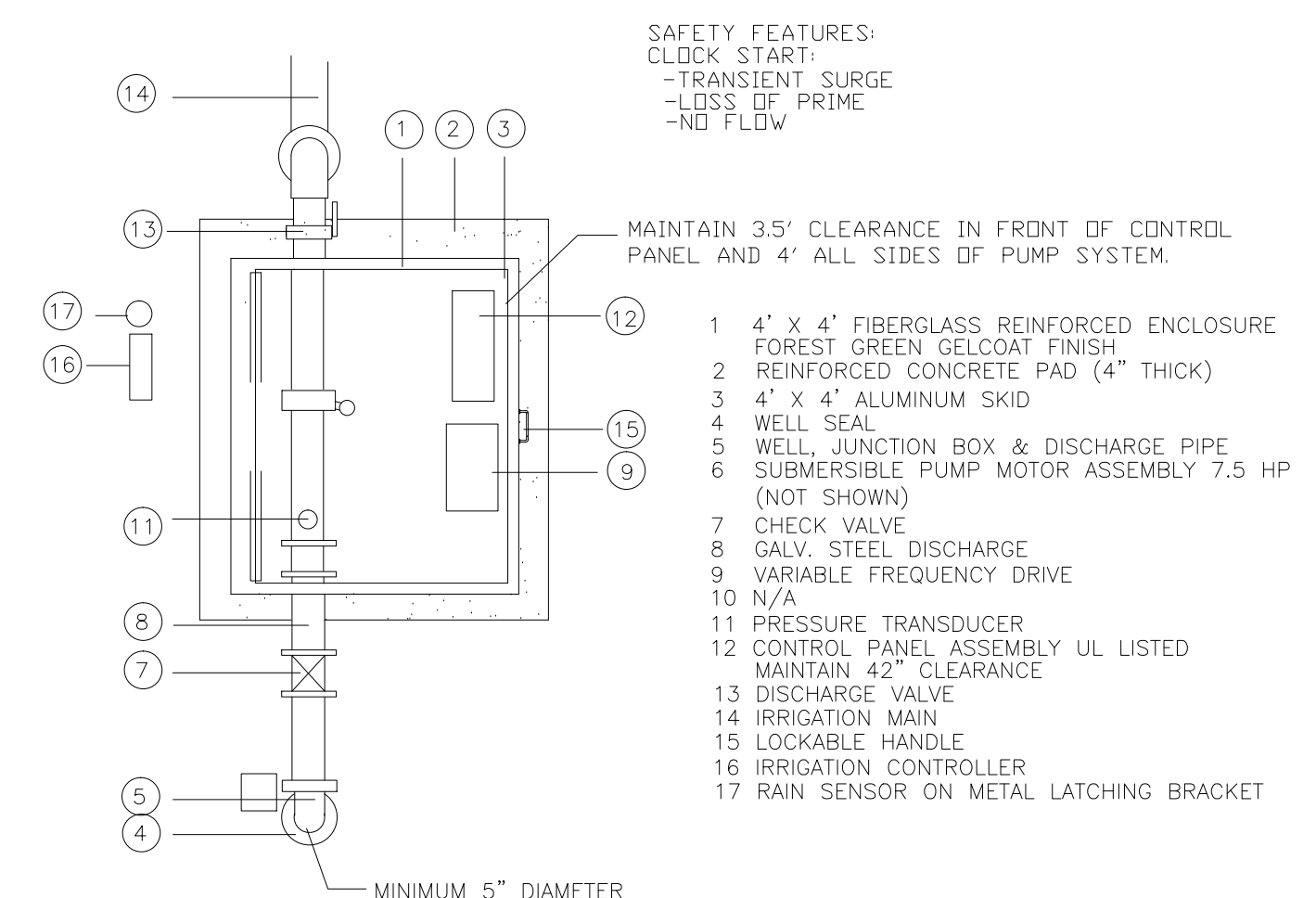
6 WALL MOUNTED RAIN SENSOR
Scale: N.T.S.



7 GATE VALVE
Scale: N.T.S.

NOTE: DISCHARGE PIPES & HEADER TO IRRIGATION MAIN SHALL BE SCHED 40 GALVANIZED STEEL PIPE WITH GALV. ROLL GROOVE FITTINGS. PUMP DROP PIPE SHALL BE HDPE HEAT FUSED. SET PUMP 150' ON 2" PIPE. INSTALL MOTOR CABLE SPLICE BETWEEN MOTOR AND CONTROL PANEL IN NEMA 4X JUNCTION BOX ADJACENT TO WELL IN ACCORDANCE WITH ELECTRICAL CODES.
WELL DRILLER SHALL NOTIFY THE PUMP SYSTEM MANUFACTURER IN WRITING WITHIN 24 HOURS OF DEVELOPING THE WELL IF THE WELL PUMPING LEVEL IS GREATER THAN 126' BELOW FINISHED GRADE AFTER 8 HOURS OF CONTINUOUS PUMPING AT 150% OF THE DESIGN FLOW BELOW.

PROVIDE MINIMUM OF 4' CLEARANCE ON ALL SIDES OF PUMP SYSTEM
* OPTIONAL FEATURES ARE INCLUDED IF MARKED WITH AN "X"
X PRESSURE CONTROL VALVE
X IRRIGATION CONTROLLER RAIN BIRD ESPLXME 16 STATIONS, AND RAIN SENSOR ON METAL LATCHING BRACKET.
X PRESSURE TANKS FOR PRESSURE DEMAND SYSTEM



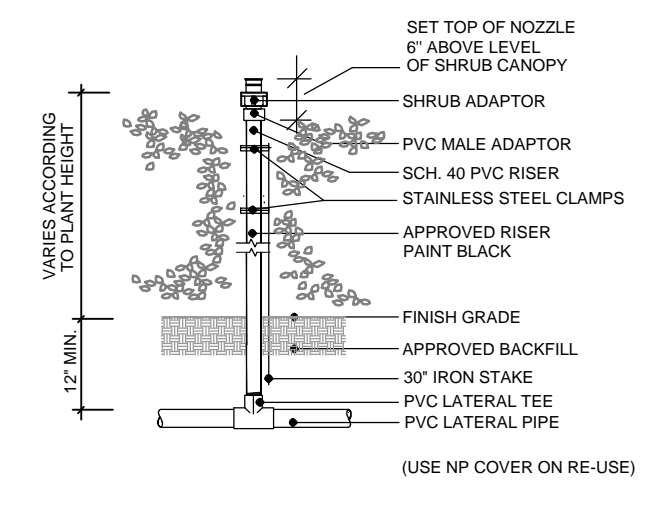
SAFETY FEATURES:
-CLOCK START
-TRANSIENT SURGE
-LOSS OF PRIME
-NO FLOW

PLAN VIEW NTS

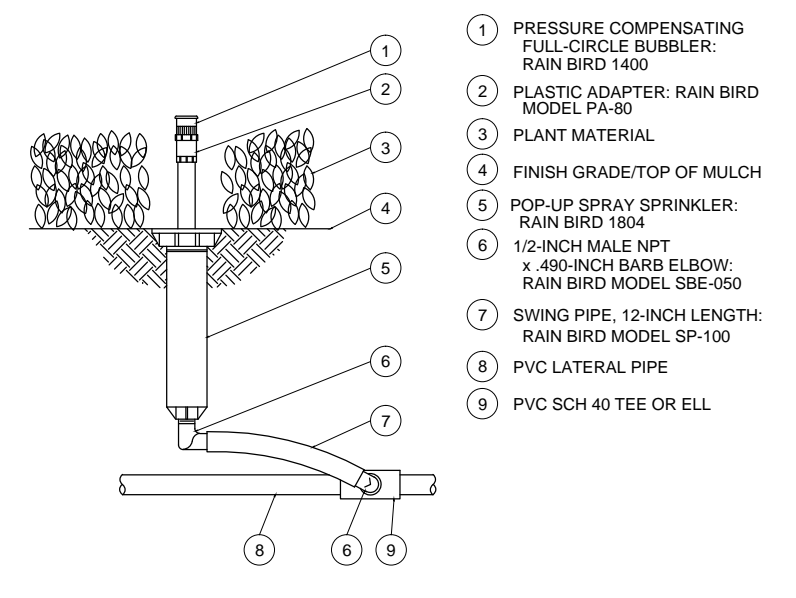
PUMP PERFORMANCE
35 GPM @ 290 TDH, 60 PSI

ELECTRIC SERVICE TO BE, IN ORDER OF PREFERENCE:
460V 3-PHASE, 230V CLOSED-DELTA 3-PHASE, 208 WYE 3-PHASE,
230 1-PHASE, 208V 1-PHASE, 230 OPEN-DELTA 3-PHASE.

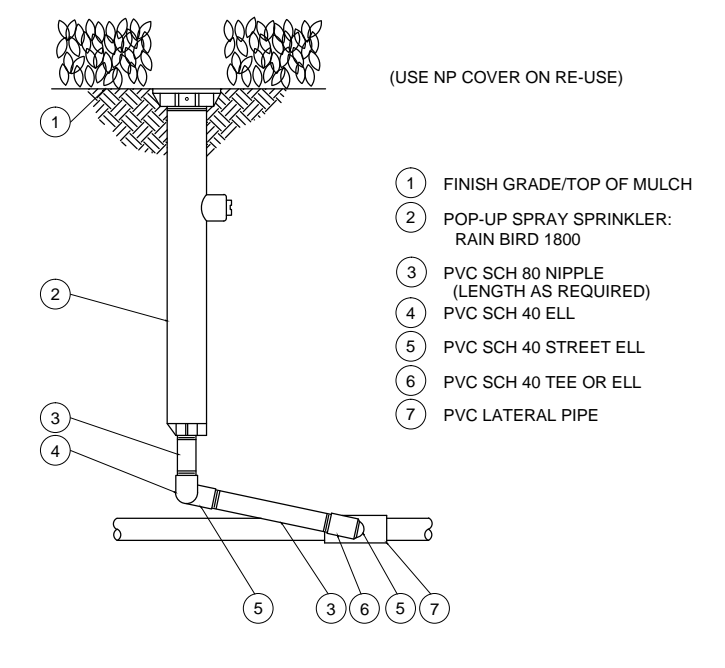
11 SUBMERSIBLE PUMP SYSTEM DETAIL
Scale: N.T.S.



8 SHRUB NOZZLE ON FIXED RISER
Scale: N.T.S.



9 TYPICAL BUBBLER DETAIL
Scale: N.T.S.



10 TYPICAL POP-UP SPRAY HEAD DETAIL
Scale: N.T.S.



ROCKER FAMILY TRUST

ROCKERS LOCKERS
LOTS 3, 4, 5
GREEN VALLEY COMMONS
GROVELAND, FLORIDA

SITE PLANS

Sheet Title:
IRRIGATION DETAILS

Date: October 12, 2015
Revisions:
No.: Date:
1 January 26, 2015

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