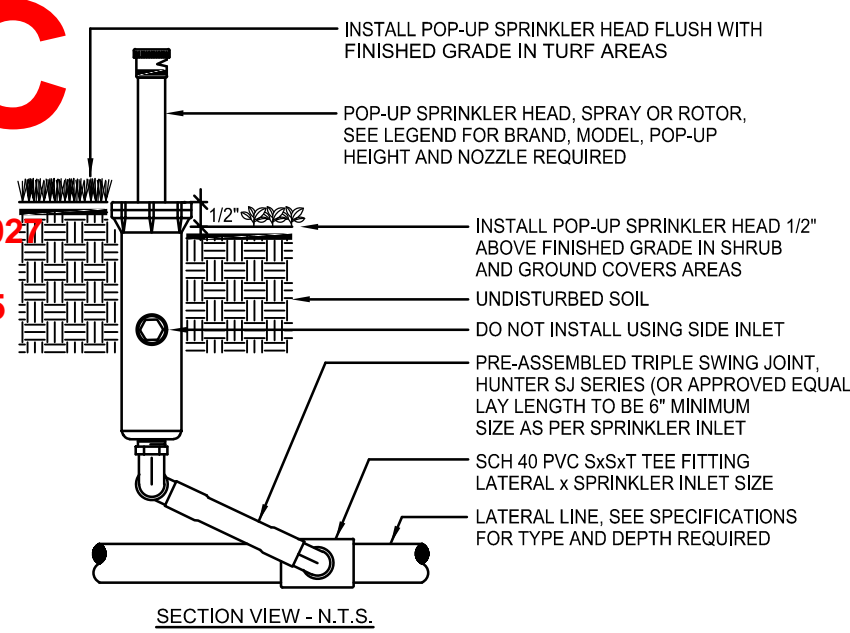


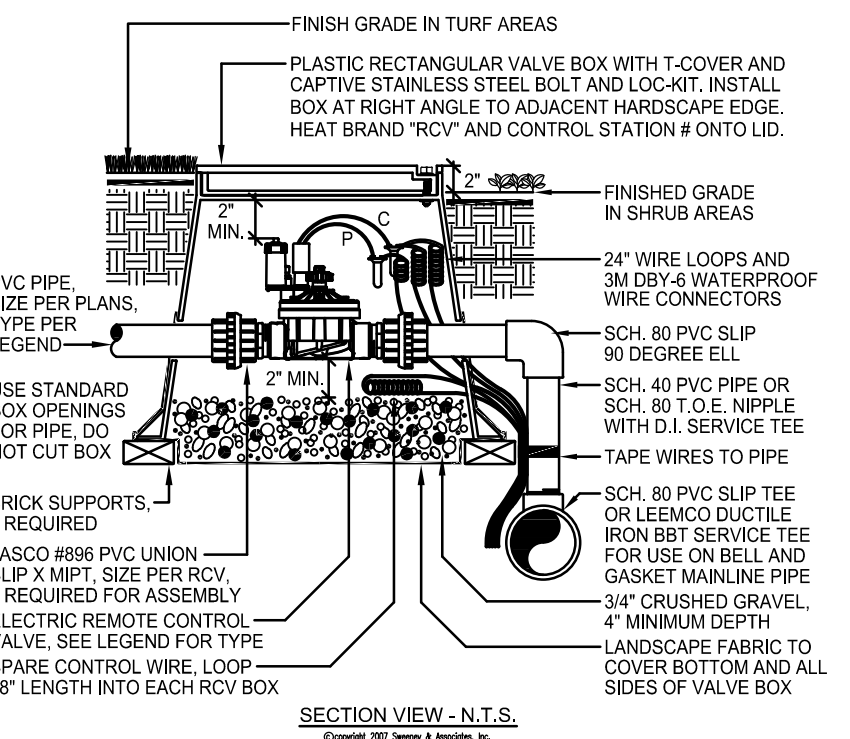
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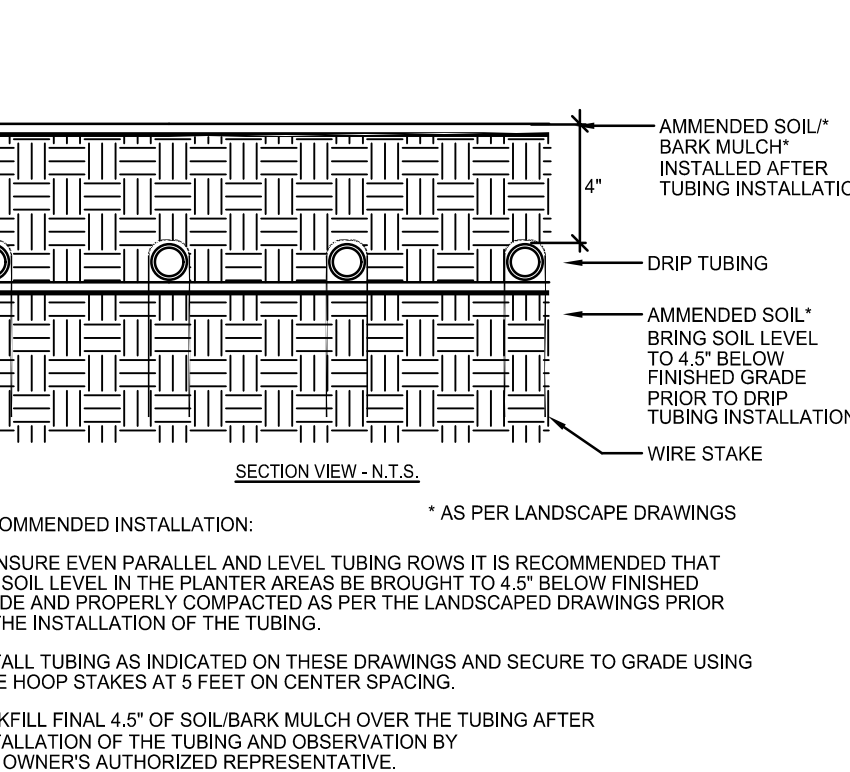


NOTE:
INSTALL SPRINKLER HEADS 6" FROM PAVING EDGE IN SHRUB AND GROUND COVER AREAS.
INSTALL SPRINKLER HEADS 12" FROM THE FACE OF BUILDING WALLS OR WINDOWS.
INSTALL SPRINKLER HEADS 4" FROM PAVING EDGE IN TURF AREAS.
INSTALL SPRINKLER HEADS PLUMB, ADJUST SPRAYS OR NOZZLE STREAM TO COVER LANDSCAPE AREA WITHOUT OVERSPRAY ONTO PAVING, FENCES, WALLS OR BUILDINGS.

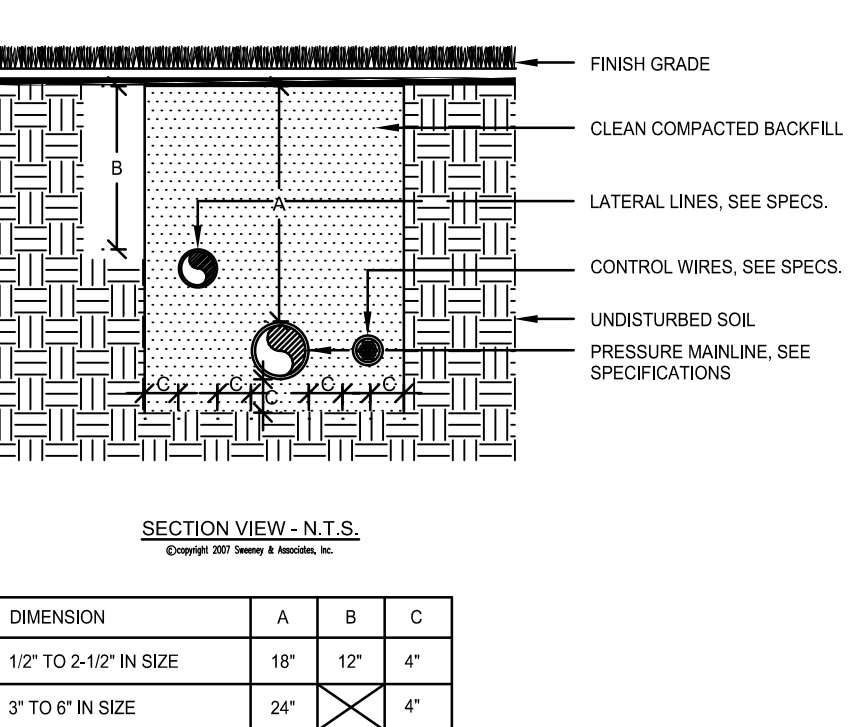
A POP-UP SPRINKLER



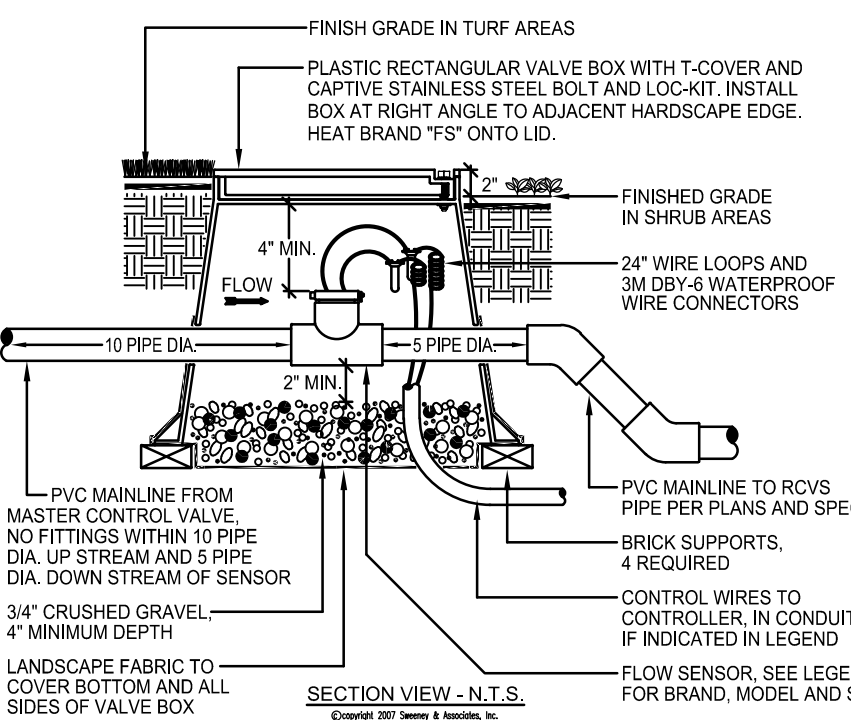
F REMOTE CONTROL VALVE



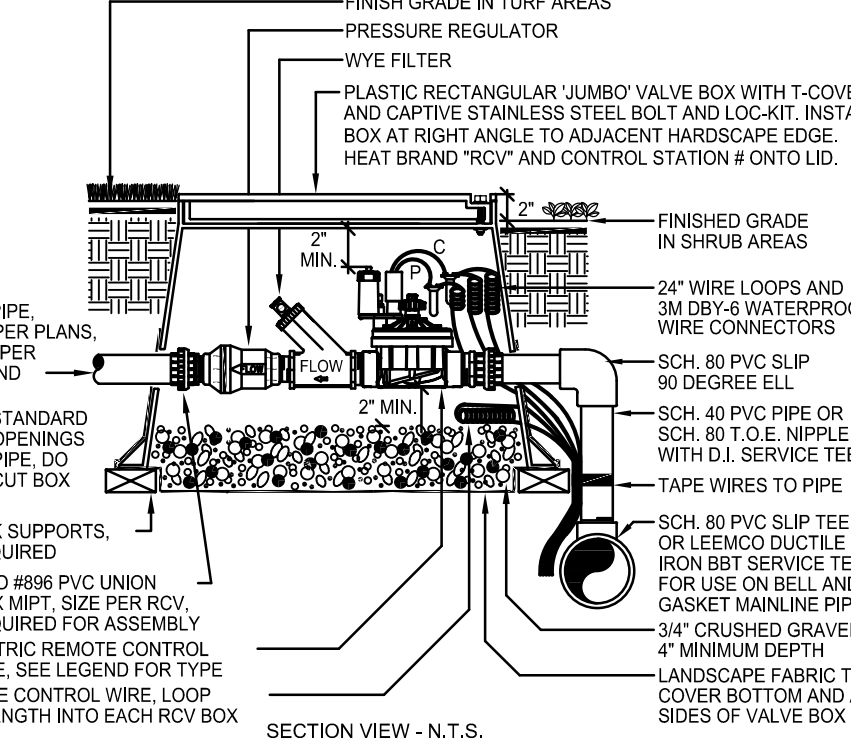
K DRIPLINE CONNECTION(SECTION)



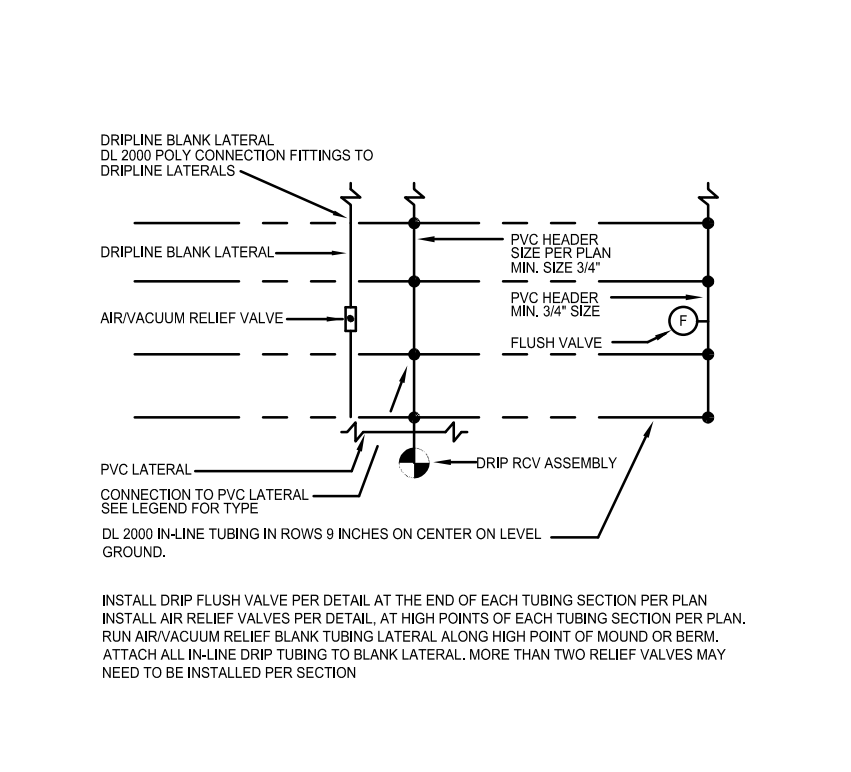
O PIPE INSTALLATION



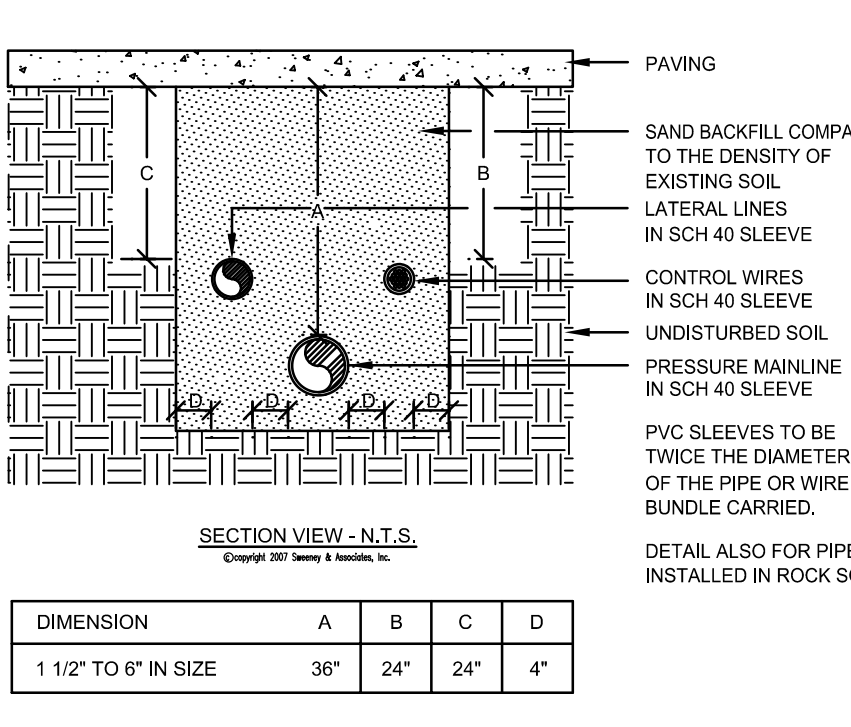
C FLOW SENSOR



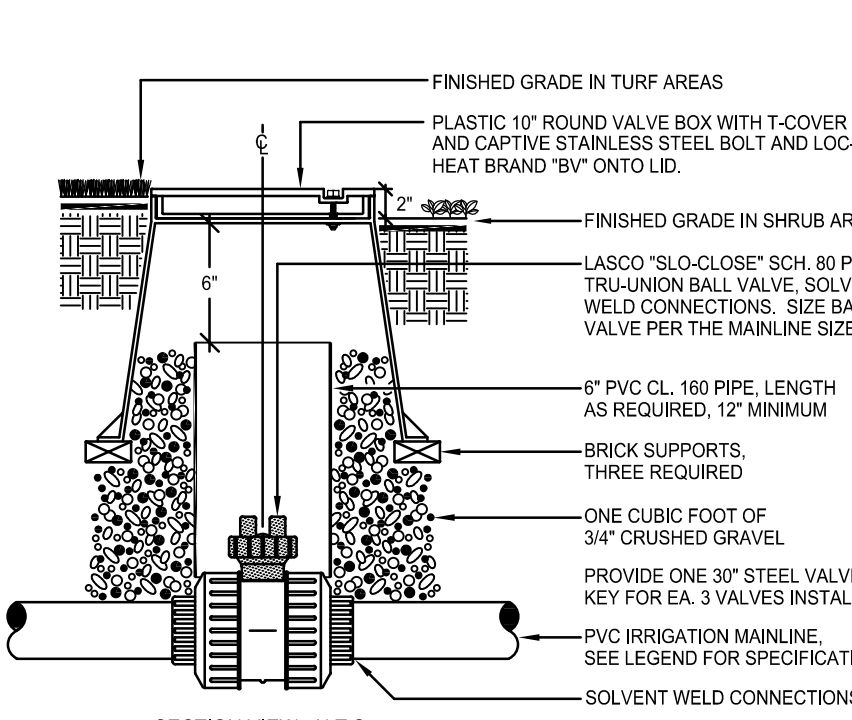
G DRIP RCV ASSEMBLY



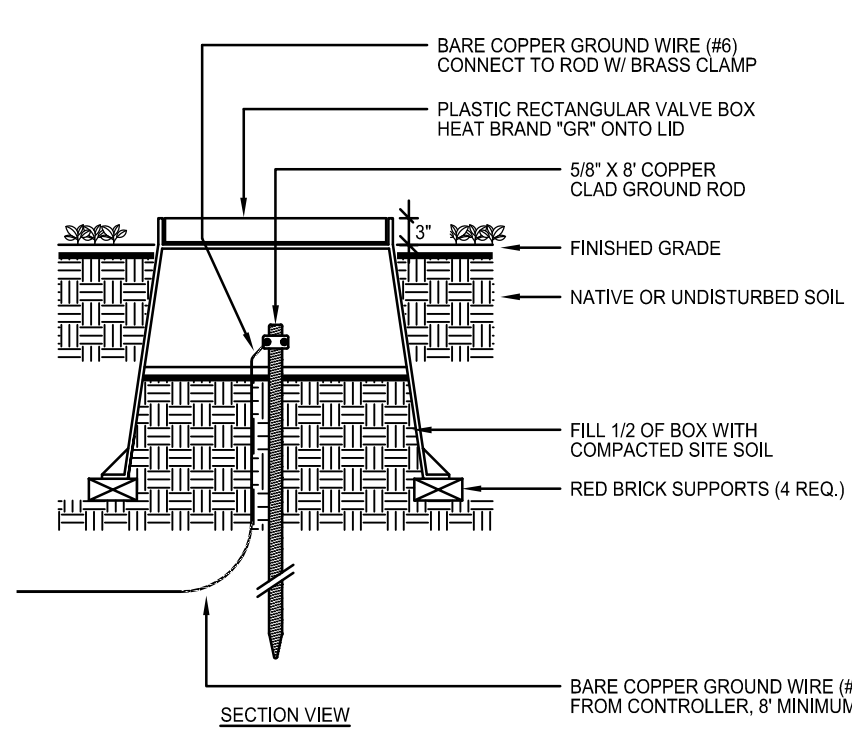
L DRIPLINE CONNECTION(PLAN)



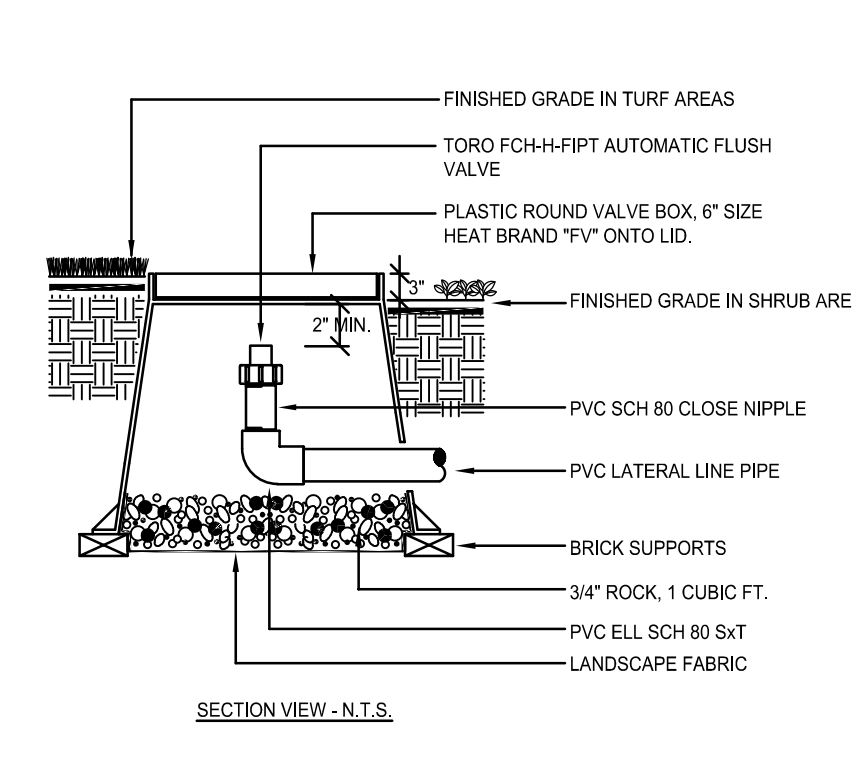
P SLEEVE INSTALLATION



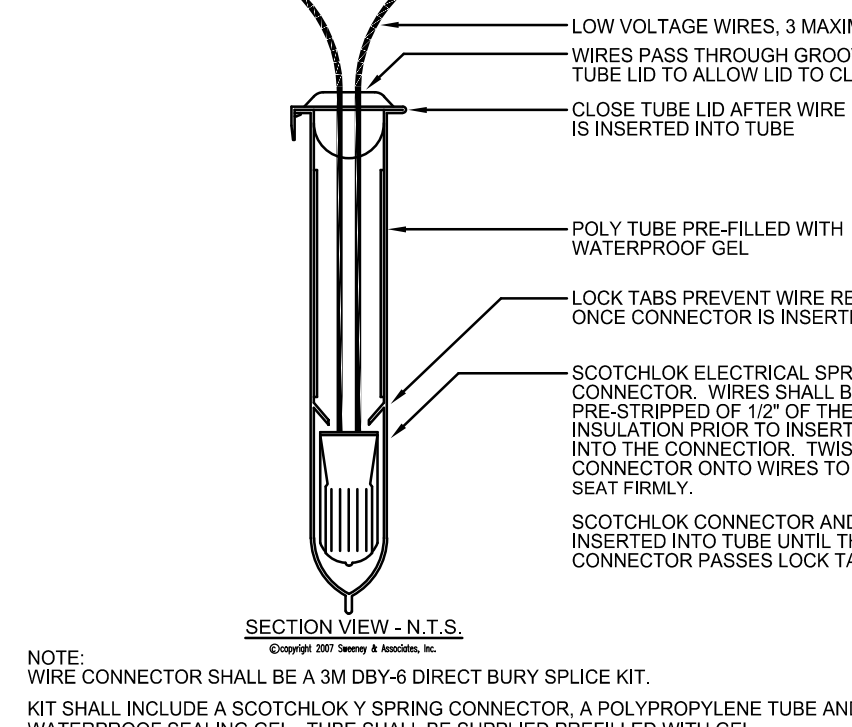
D BALL VALVE



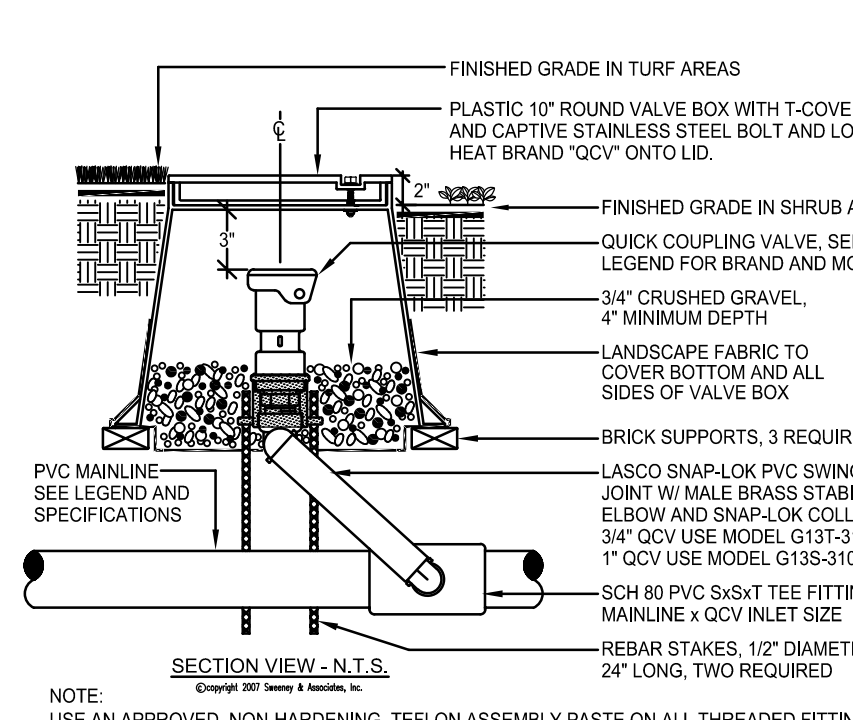
I GROUND ROD INSTALLTION



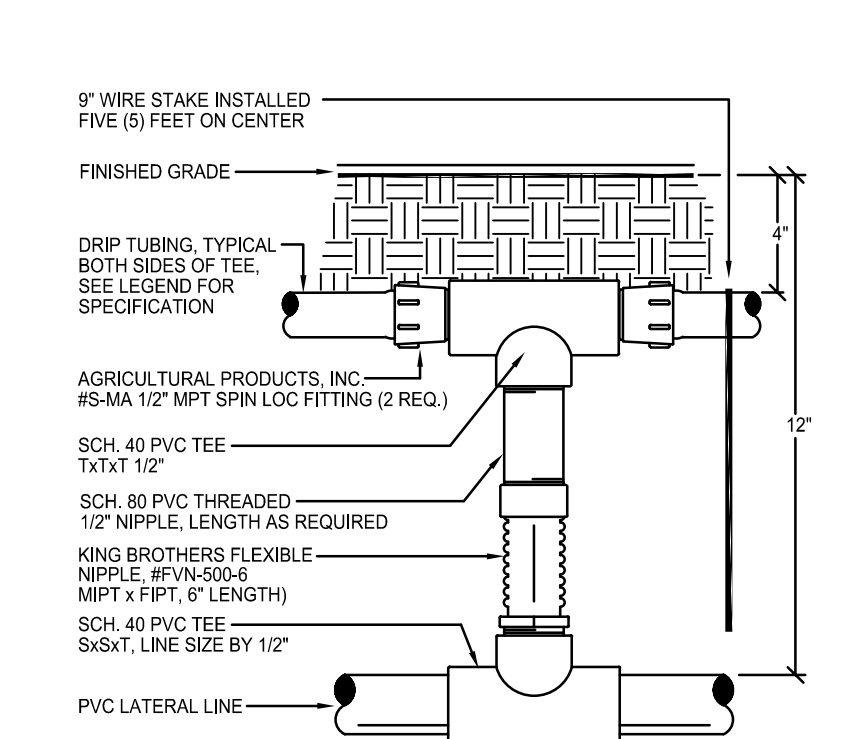
M DRIP FLUSH VALVE



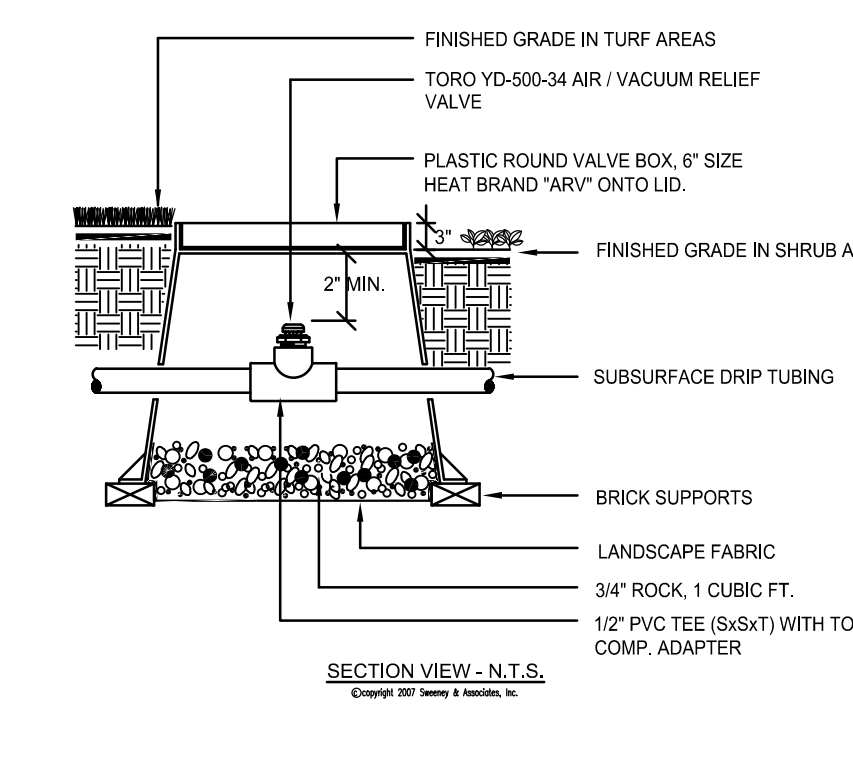
Q WIRE CONNECTION



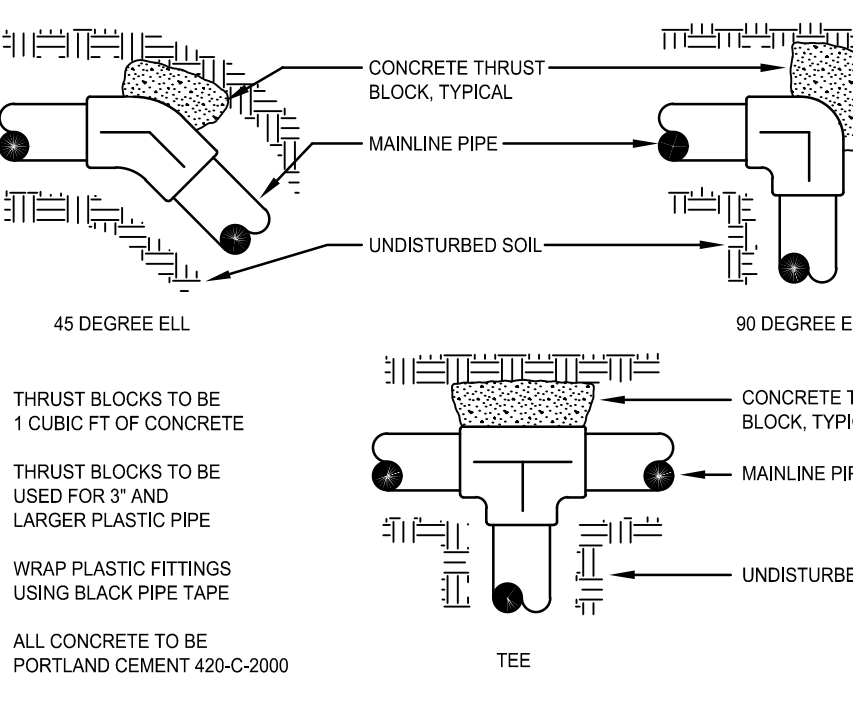
E QUICK COUPLER VALVE



J DRIPLINE TUBING



N DRIP AIR RELIEF VALVE



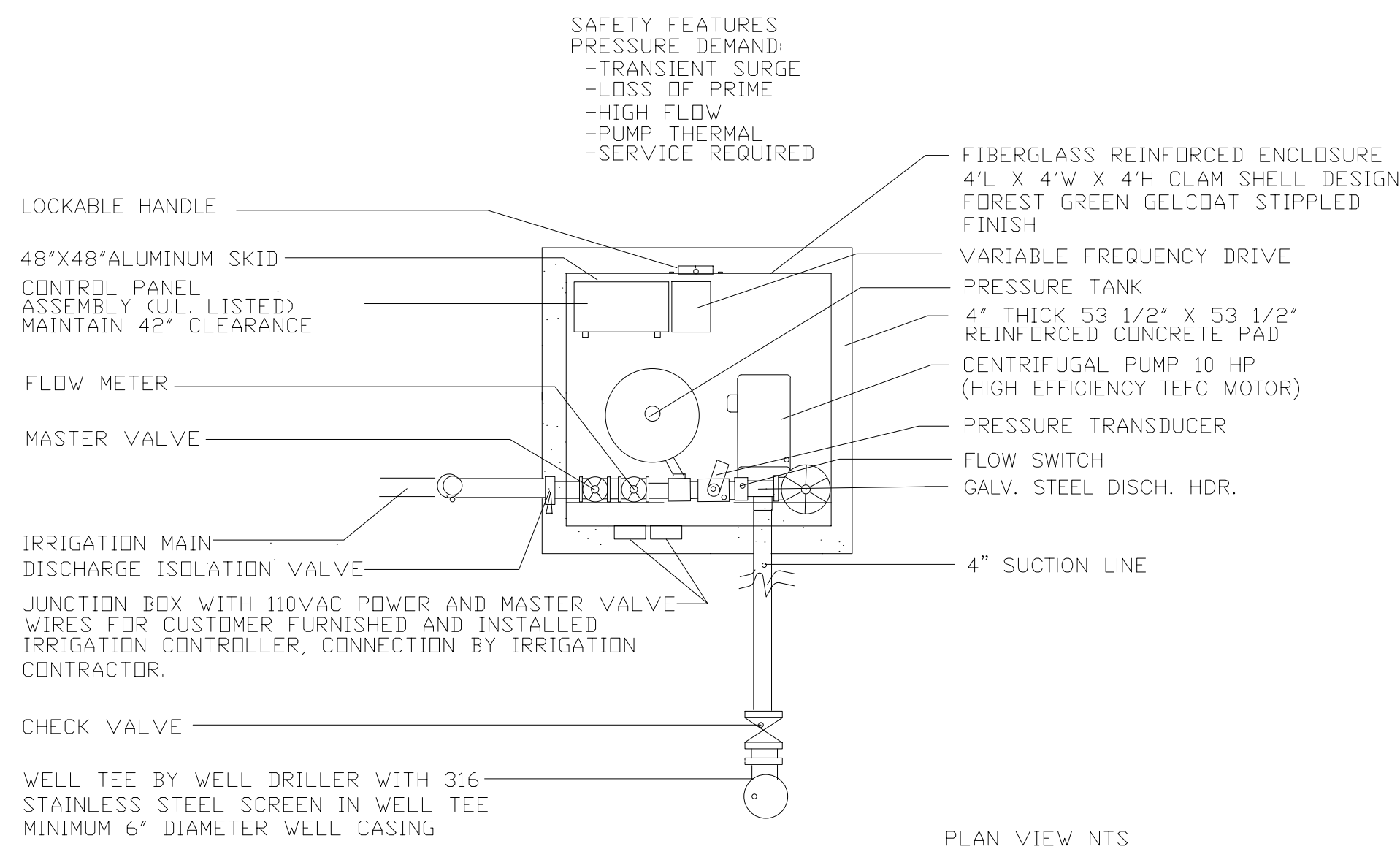
R THRUST BLOCKING

NOTE: SUCTION PIPE SHALL BE SCHED 40 GALVANIZED STEEL WITH GALVANIZED ROLL GROOVE FITTINGS FROM THE PUMP TO THE WELL TEE. CHECK VALVES 3" AND LARGER SHALL BE SWING TYPE, 2" AND SMALLER SHALL BE POPPET STYLE

PROVIDE MINIMUM OF 4" CLEARANCE ON ALL SIDES OF PUMP SYSTEM

* FEATURES ARE INCLUDED IF MARKED WITH AN "X"

- X VARIABLE FREQUENCY DRIVE
- X IRRIGATION CONTROLLER WITH RAIN SENSOR ON 8' POLE.
- X PRESSURE TANK FOR PRESSURE DEMAND SYSTEMS



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.

PUMP PERFORMANCE
150 GPM @ 165 TDH, 60 PSI

HOOPER PUMPING MODEL: HCF-10PDV-230/3-M,W,Z
Pompano Beach, Florida, Tel: 954-971-7350

FILE PN15079.DWG 11/18

CENTRIFUGAL PUMP SYSTEM DETAIL FIBERGLASS ENCLOSED SINGLE WELL SUCTION PRESSURE DEMAND VARIABLE FREQUENCY DRIVE HOOVER GREEN

*OR APPROVED EQUAL

IRRIGATION NOTES

- ALL LOCAL MUNICIPAL AND STATE LAWS, RULES AND REGULATIONS GOVERNING OR RELATING TO ANY PORTION OF THIS WORK ARE HEREBY INCORPORATED INTO AND MADE A PART OF THESE SPECIFICATIONS AND THEIR PROVISIONS SHALL BE CARRIED OUT BY THE CONTRACTOR.
- THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES, STRUCTURES AND SERVICES BEFORE COMMENCING WORK. THE LOCATIONS OF UTILITIES, STRUCTURES AND SERVICES SHOWN IN THESE PLANS ARE APPROXIMATE ONLY. ANY DISCREPANCIES BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE OWNER'S REPRESENTATIVE.
- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS REQUIRED TO PERFORM THE WORK INDICATED HEREIN BEFORE BEGINNING WORK.
- THIS DESIGN IS DIAGRAMMATIC. ALL EQUIPMENT SHOWN IN PAVED AREAS IS FOR DESIGN CLARITY ONLY AND IS TO BE INSTALLED WITHIN PLANTING AREAS.
- THE CONTRACTOR SHALL NOT WILLFULLY INSTALL ANY EQUIPMENT AS SHOWN ON THE PLANS WHEN IT IS OBVIOUS IN THE FIELD THAT UNKNOWN CONDITIONS EXIST THAT WERE NOT EVIDENT AT THE TIME THESE PLANS WERE PREPARED. ANY SUCH CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE PRIOR TO ANY WORK OR THE IRRIGATION CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR ANY FIELD CHANGES DEEMED NECESSARY BY THE OWNER.
- INSTALL ALL EQUIPMENT AS SHOWN IN THE DETAILS AND SPECIFICATIONS. CONTRACTOR SHALL BE RESPONSIBLE TO COMPLY WITH LOCAL CITY, COUNTY AND STATE REQUIREMENTS FOR BOTH EQUIPMENT AND INSTALLATION.
- ACTUAL LOCATION FOR THE INSTALLATION OF THE BACKFLOW PREVENTER AND THE AUTOMATIC CONTROLLER IS TO BE DETERMINED IN THE FIELD BY THE OWNER'S AUTHORIZED REPRESENTATIVE.
- CONTRACTOR IS TO PROVIDE AN ADDITIONAL PILOT WIRE FROM CONTROLLER ALONG ENTIRETY OF MAIN LINE TO THE LAST RCV ON EACH AND EVERY LEG OF MAIN LINE. LABEL SPARE WIRES AT BOTH ENDS.
- ALL PIPE UNDER PAVED AREAS TO BE INSTALLED IN SLEEVING TWICE THE DIAMETER OF THE PIPE CARRIED. SEE LEGEND FOR TYPE. ALL WIRE UNDER PAVED AREAS TO BE INSTALLED IN A SCH. 80 SLEEVE THE SIZE REQUIRED TO EASILY PULL WIRE THROUGH. ALL SLEEVES TO BE INSTALLED WITH A MINIMUM DEPTH AS SHOWN ON THE SLEEVING DETAILS. SLEEVES TO EXTEND AT LEAST 12" FAST THE EDGE OF THE PAVING.
- ALL QUICK COUPLER AND REMOTE CONTROL VALVES TO BE INSTALLED IN SHRUB OR GROUND COVER AREAS WHERE POSSIBLE. ALL QUICK COUPLER AND REMOTE CONTROL VALVES TO BE INSTALLED AS SHOWN ON THE INSTALLATION DETAILS. INSTALL ALL QUICK COUPLER AND REMOTE CONTROL VALVES WITHIN 18" OF HARDSCAPE.
- ALL HEADS ARE TO BE INSTALLED WITH THE NOZZLE, SCREEN AND ARCS SHOWN ON THE PLANS. ALL HEADS ARE TO BE ADJUSTED TO PREVENT OVERSPRAY ONTO BUILDINGS, WALLS, FENCES AND HARDSCAPE. THIS INCLUDES, BUT NOT LIMITED TO, ADJUSTMENT OF DIFFUSER PIN OR ADJUSTMENT SCREW, REPLACEMENT OF PRESSURE COMPENSATING SCREENS, REPLACEMENT OF NOZZLES WITH MORE APPROPRIATE RADIIUS UNITS AND THE REPLACEMENT OF NOZZLES WITH ADJUSTABLE ARC UNITS.
- THE CONTRACTOR SHALL USE PROPER GROUNDING TECHNIQUES FOR GROUNDING THE CONTROLLER AND RELATED EQUIPMENT PER MANUFACTURERS SPECIFICATIONS. SWEENEY AND ASSOCIATES RECOMMENDS MEASURING FOR PROPER GROUND AT LEAST ONCE ANNUALLY, AND NECESSARY ADJUSTMENTS MAKE TO COMPLY WITH MANUFACTURER SPECIFICATIONS.
- CONTRACTOR TO RECERTIFY EXISTING PUMP AND PVB IF APPLICABLE.
- SYSTEM IS TO USE LOWEST QUALITY WATER AVAILABLE AT TIME OF INSTALLATION.
- CONTROL SYSTEM TO PROVIDE ABILITY TO BE PROGRAMMED IN MINUTES, WEEKDAY, SEASON, AND TIME OF DAY.
- IRRIGATION SYSTEM SHALL MAINTAIN AND OPERATE A RAIN SENSOR DEVICE OR SWITCH WITH 100% COVERAGE AND 50% OVERLAP THAT WILL OVERRIDE THE IRRIGATION CYCLE OF THE SPRINKLER SYSTEM WHEN ADEQUATE RAINFALL OCCURS.
- CHECK VALVES MUST BE INSTALLED AT IRRIGATION HEADS AS NEEDED TO PREVENT LOW HEAD DRAINAGE AND PUDDLING.
- IRRIGATED AREAS SHALL NOT BE LESS THAN FOUR FEET WIDE, EXCEPT WHEN USING MICRO OR DRIP IRRIGATION.
- NOZZLE PRECIPITATION RATES FOR ALL HEADS WITHIN EACH VALVE CIRCUIT MUST BE MATCHED TO WITHIN 20% OF ONE ANOTHER.
- ALL IRRIGATION LINES - MAINLINE OR LATERAL LINES - SHALL BE SCHEDULE 40 PVC OR BETTER.

B.C.H.C.E.D. REF. NO. 200617002

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FOR
URBN DESIGN
696 NE 125TH STREET
MORTH MIAMI, FL 33415

Michael D
Grosswirth

Digitally signed by Michael D
Grosswirth
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THOMAS
ENGINEERING GROUP
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August 22, 2022
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SHEET TITLE:
IRRIGATION NOTES & DETAILS
SHEET NUMBER:
L-3.2

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10/5/2022