IRRIGATION LEGEND

FULL | THREE-QTR. | HALF | QUARTER
(adjusted to area)

HUNTER MP ROTATORS SERIES

HUNTER MP-3000 Adjustable Rotator 22'-30' or equal

HUNTER MP-2000 Adjustable Rotator 13'-21' or equal

HUNTER MP-1000 Adjustable Rotator 8'-15' or equal

HUNTER MP- END STRIP 6' X 16'

HUNTER MP-SIDE STRIP 6' X 32'

BUBBLER NOZZLES

HUNTER BUBBLER NOZZLE- 1 GPM or equal

VALVES

IRRITROL ZONE VALVES 100 SERIES OR EQUAL
IN AMETEK OR CARSON 12"x18" VALVE BOX or equal

EXISTING FIELD CONTROLLER –
CONTRACTOR TO VERIFY LOCATION OF CONTROLLER
AND CONDITION OF CONTROLLER TO ADD ZONES AS SHOWN

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 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

(*) 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 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-DD

IRRIGATION NOTES

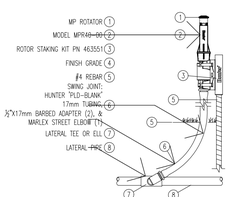
1. THE CONTRACTOR IS RESPONSIBLE FOR ALL MATERIAL REQUIRED TO MAKE THE SYSTEM FUNCTION PROPERLY. ALL IRRIGATION SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND ALSO STATE AND/OR LOCAL CODES.
2. IRRIGATION PLANS ARE SCHEMATIC AND DRAWN FOR GRAPHIC CLARITY. ALL PIPING BELOW PAVEMENT SHALL BE SLEEVED. LAYOUT OF IRRIGATION SYSTEM SHALL BE COORDINATED WITH CORRESPONDING LANDSCAPE PLAN.
3. 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.
4. 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.
5. PIPING SHALL BE SIZED TO MINIMIZE FRICTION LOSS AND MAINTAIN FLOW VELOCITY BELOW 5 FPS.
6. 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. CONTRACTOR TO VERIFY WIRES AT THE CLOCK TO DETERMINE IF THE SYSTEM CAN ACCOMODATE THE PROPOSED ZONES.
7. ALL HEADS ON RISERS SHALL BE SET AT THE HEIGHT OF ADJACENT PLANT MATERIAL.
8. 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 UNDIVIDED ROADWAYS.
9. 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.
10. 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.
11. 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.
12. ALL GLUE JOINTS SHALL BE CLEANED, SANDED, AND TREATED WITH A COLORED HIGH ETCH PRIMER AND JOINED USING A SOLVENT CONFORMING WITH ASTM D2564.
13. 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.
14. AS-BUILT DRAWINGS SHALL BE PREPARED BY THE CONTRACTOR AND GIVEN TO THE OWNER PRIOR TO FINAL ACCEPTANCE.
15. 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.
16. IRRIGATION SYSTEM TO PROVIDE 100% COVERAGE WITH 50% OVERLAP MIN.

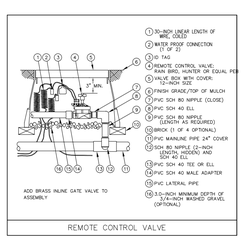
DEMOLITION NOTES

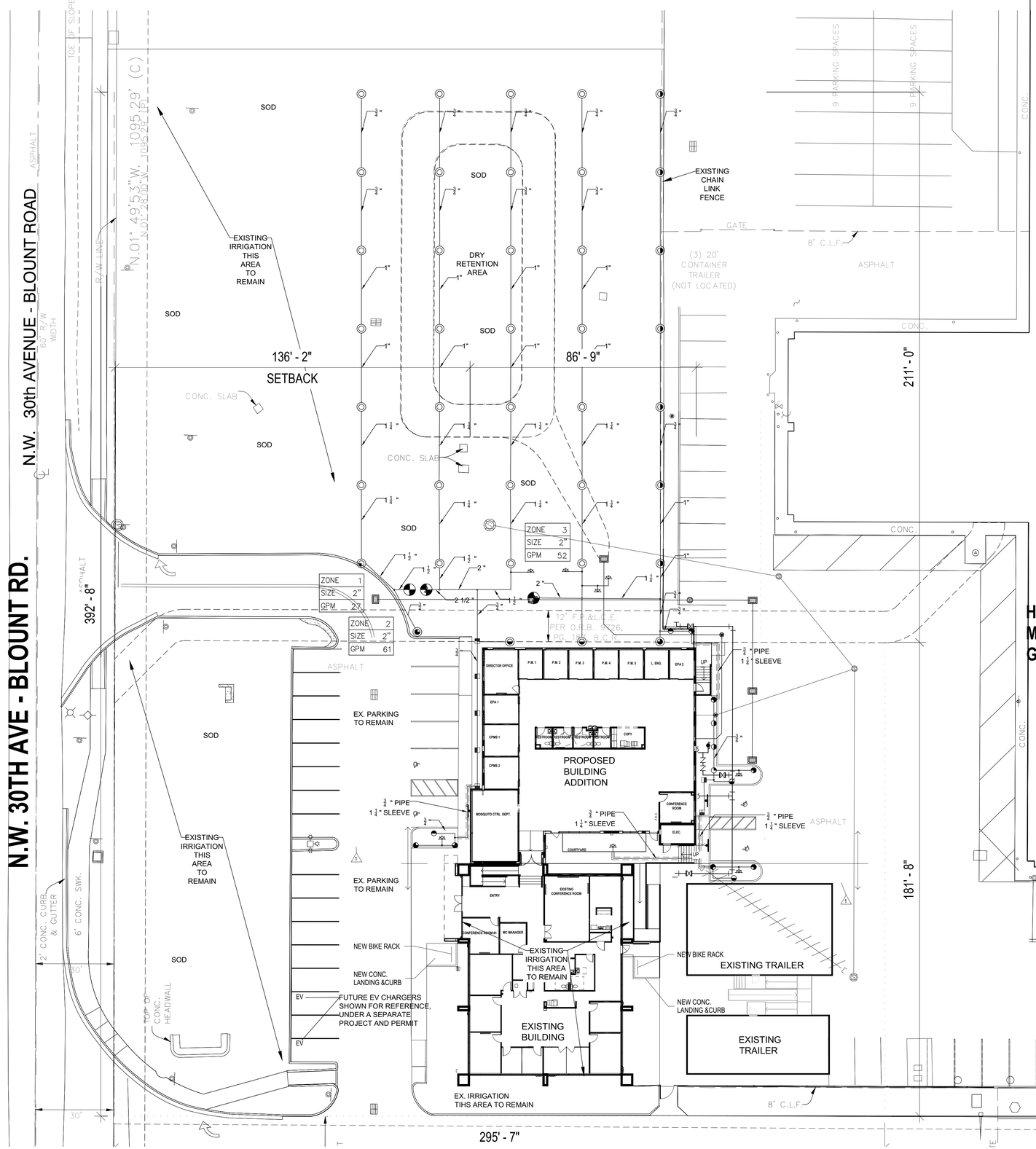
THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING LOCATIONS OF EXISTING LINES AND VALVES TO DETERMINE IF THE LINES AND VALVES ARE TO BE RE-USED OR DEMOLISHED.

SUBMAIN LINES TO BE HAND DUG DUE TO PROXIMITY OF EXISTING UTILITIES.

STOCK PILE EXISTING IRRIGATION HEADS IN FIELD OR OTHER AREAS FOR RE-USE. COORDINATE HBMD







Carol B Perez
Digitally signed by Carol B Perez
Date: 2023.06.28 10:24:14 -04'00'

DESIGN DEVELOPMENT
HBMD ADMIN BUILDING EXPANSION
BROWARD COUNTTY

1600 BLOUNT RD
POMPANO BEACH FL, 33069

SALTZ MICHELSON ARCHITECTS
3501 Griffin Road
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sma@saltzmichelson.com

AGTLAND
LANDSCAPE ARCHITECTURE
132 NORTH SWINTON AVENUE
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1"=20'-0" (0, 10', 20', 40', 60')

Project No. : 2022-104
Drawn By : BDB
Checked By : -
Date: 06.26.2023

REVISIONS

IRRIGATION PLAN

IR-1

DRC
PZ23-12000012
08/16/2023