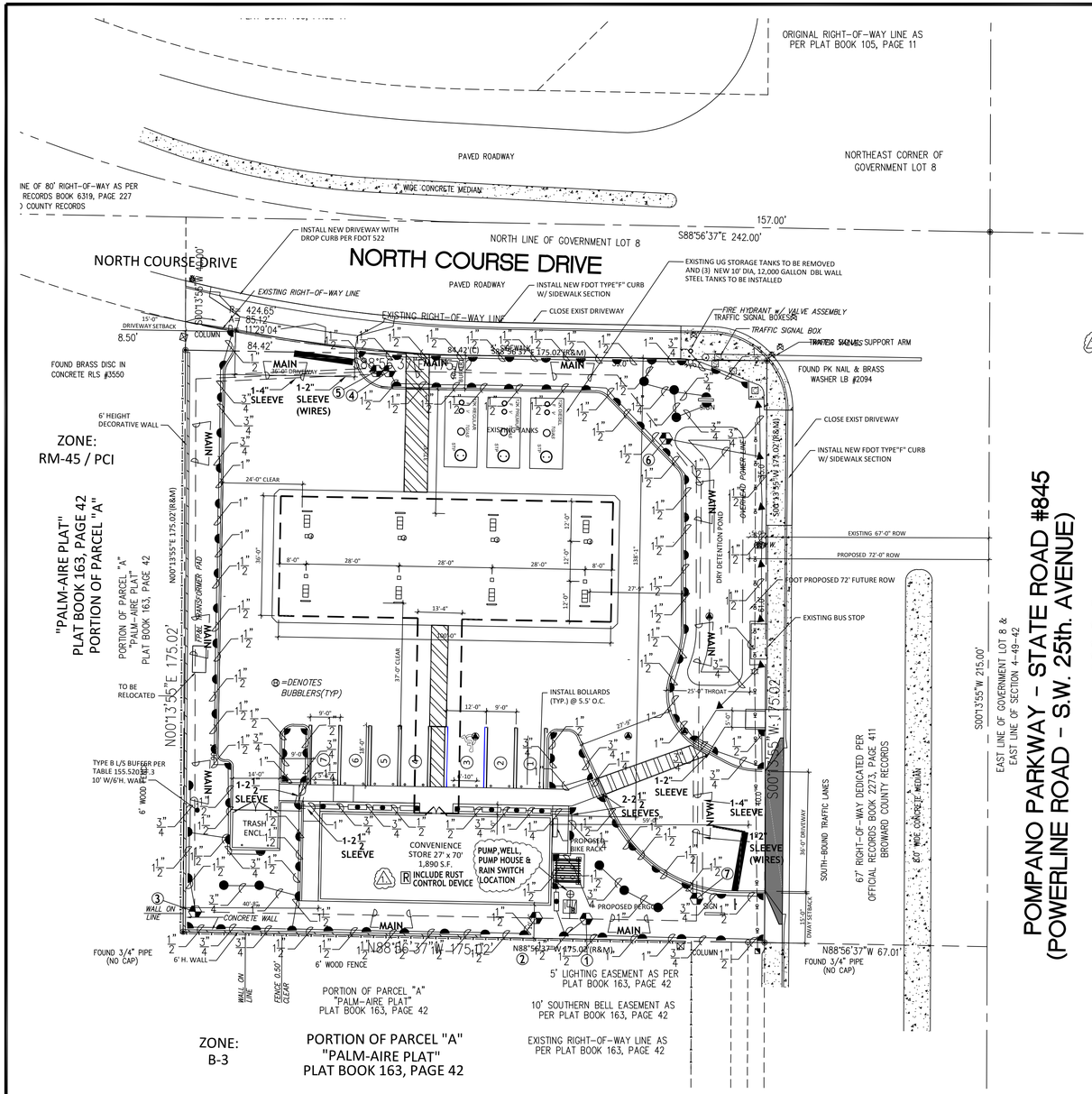


IRRIGATION PLAN

SCALE: 1" = 20'-0"

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

POMPANO PARKWAY - STATE ROAD #845
(POWERLINE ROAD - S.W. 25th. AVENUE)

IRRIGATION SCHEDULE

FOR RELOCATED AND/OR NEWLY PLANTED TREES/PALMS THE IRRIGATION SCHEDULE SHALL BE AS PER UF/IFAS PUBLICATION ENH-1061: DURING ESTABLISHMENT, TREES SHOULD BE IRRIGATED 2-3 TIMES PER WEEK WITH 2 GALLONS PER INCH TRUNK CALIPER. ALL THIS WATER SHOULD BE APPLIED ONLY TO THE TOP OF THE ROOT BALL.
TABLE 2. IRRIGATION SCHEDULES DEPEND ON SIZE OF NURSERY STOCK AND DESIRED OBJECTIVE*.

SIZE OF NURSERY STOCK	IRRIGATION SCHEDULE FOR	
	VIGOR	SURVIVAL
LESS THAN 2 INCH CALIPER	**DAILY:** 2 WEEKS **EVERY OTHER DAY:** 2 MONTHS **WEEKLY:**UNTIL ESTABLISHED	TWICE WEEKLY FOR 2-3 MONTHS
2-4 INCH CALIPER	**DAILY:** 1 MONTH **EVERY OTHER DAY:** 3 MONTHS **WEEKLY:**UNTIL ESTABLISHED	TWICE WEEKLY FOR 3-4 MONTHS
GREATER THAN 4 INCH CALIPER	**DAILY:** 6 WEEKS **EVERY OTHER DAY:** 5 MONTHS **WEEKLY:**UNTIL ESTABLISHED	TWICE WEEKLY FOR 4-5 MONTHS

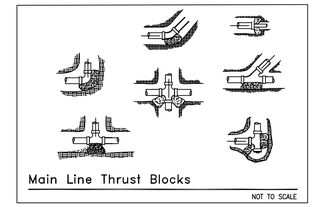
* ESTABLISHMENT TAKES APPROXIMATELY 3 MONTHS (HARDINESS ZONES 10-11) 4 MONTHS (HARDINESS ZONES 8-9) PER INCH TRUNK CALIPER.

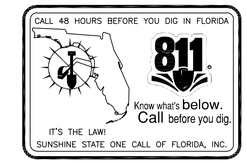
NOTES:

1. ALL LANDSCAPED AREAS SHALL BE PROVIDED WITH AN UNDERGROUND FULLY AUTOMATIC IRRIGATION SYSTEM USING POP-UP SPRINKLERS. SYSTEM SHALL PROVIDE 100% COVERAGE WITH A 50% OVERLAP (MINIMUM) USING RUST FREE WATER, EXCEPT PRESERVED AREAS REMAINING IN NATURAL STATE. A RAIN SENSOR DEVICE OR SWITCH SHALL BE INSTALLED THAT WILL OVERRIDE THE IRRIGATION SYSTEM WHEN ADEQUATE RAINFALL HAS OCCURRED. WATER SHALL NOT BE DIRECTED AND/OR PROVIDED ONTO IMPERVIOUS SURFACES AND/OR BE DESIGNED OR INSTALLED TO THROW WATER OVER IMPERVIOUS SURFACE SUCH AS SIDEWALKS, ETC.. HOURS OF OPERATION FOR ALL IRRIGATION SYSTEMS SHALL BE LIMITED TO 5:00 PM TO 8:00 AM ONLY OR AS MAY BE FURTHER RESTRICTED BY SOUTH FLORIDA MANAGEMENT DISTRICT OR OTHER JURISDICTIONAL AGENCY.
2. GENERAL CONTRACTOR TO SUPPLY & INSTALL SLEEVES AS SHOWN & PROVIDE ELECTRICAL HOOK UP AS REQUIRED.
3. CODES AND STANDARDS: ALL WORK SHALL BE INSTALLED AND COMPLY WITH "FLORIDA BUILDING CODE APPENDIX (F)", INCLUDING ORDINANCES AND REGULATIONS OF ALL GOVERNING AUTHORITIES. WORK ALSO SHALL COMPLY WITH THE AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM) .
4. PIPE INSTALLATION IN VEHICLE TRAFFIC AREAS SHALL BE AS FOLLOWS: PBC V-A-1.:

PIPE SIZE (INCHES)	DEPTH OF COVER (INCHES)
1/2-2 1/2	18"-24"
3-5	24"-30"
6 AND LARGER	30"-36"

5. HEADS TO BE INSTALLED IN PLANTERS AND BED AREAS SHALL BE 12" POP UP OR MUST BE APPROVED BY LANDSCAPE ARCHITECT TO BE LOCATED ON RISERS PRIOR TO INSTALLATION. ALL RISERS SHALL BE PAINTED FLAT BLACK IF APPROVED.
6. IRRIGATION CONTRACTOR TO INSTALL BUBBLERS TO EACH TREE/PALM, VERIFY LOCATIONS AS REQUIRED.
7. IRRIGATION CONTRACTOR TO SELECT NOZZLE SIZE BASED ON INTENDED THROW WITHIN 25% OF MAXIMUM DESIGN THROW.
8. INSTALL BUBBLERS LOCATED AT EACH NEW LOCATION OF TREES.(SEE LANDSCAPE PLAN FOR LOCATIONS) =DENOTES BUBBLERS(TYP)
9. CONTRACTOR TO PRESSURE TEST WATER SERVICE UP TO EACH ZONE VALVE IN THE IRRIGATION SYSTEM; MAIN LINE SHALL BE LEFT EXPOSED FOR VISUAL OBSERVATION PRIOR TO BACKFILL AND REQUIRED APPROVAL; CALL FOR REQUIRED INSPECTIONS.
10. A MAP OF THE SYSTEM SHALL BE KEPT IN A READILY AVAILABLE LOCATION WITH DETAILS FOR OPERATION, PROVIDED BY CONTRACTOR, IRRIGATION CONTRACTOR SHALL PROVIDE (2) TWO COPIES OF AS-BUILT PLANS AND A PDF DISK UPON COMPLETION & FINAL ACCEPTANCE.
11. A PRESURE-REGULATING VALVE SHALL BE INSTALLED AND MAINTAINED IF STATIC SERVICE PRESURE EXCEEDS 80 POUNDS PER SQUARE INCH.
12. CHECK VALVES MUST BE INSTALLED AT IRRIGATION HEADS AS NEEDED TO PREVENT LOW HEAD DRAINAGE AND PUDDLING.
13. CONTRACTOR SHALL INSTALL AUTOMATIC DRAIN LINES AS REQUIRED ON EACH ZONE.
14. CONTRACTOR TO PRESSURE TEST WATER SERVICE UP TO EACH ZONE VALVE IN THE IRRIGATION SYSTEM; MAIN LINE SHALL BE LEFT EXPOSED FOR VISUAL OBSERVATION PRIOR TO BACKFILL AND REQUIRED APPROVAL; CALL FOR REQUIRED INSPECTIONS.





NOTE: WATER SOURCE AND METHODS COMPLY WITH FLORIDA FRIENDLY LANDSCAPE NINE PRINCIPLES.

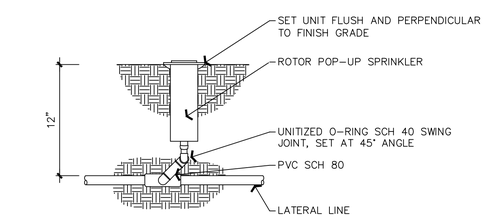
IRRIGATION LEGEND

RAIN BIRD 1806 SERIES 6" AND 1812 SERIES 12" POP UP SPRAYS

SYMBOL	MODEL NUMBER	AREA	GPM	PRECIPITATION
	RAIN BIRD 1806 CENTER STRIP – 4' CST	4'x30'	1.20	.68 IN/H
	RAIN BIRD 1806 HALF – 15' H	15' RAD	2.00	1.29 IN/H
	RAIN BIRD 1806 QUARTER – 15' Q	15' RAD	1.00	1.17 IN/H
	RAIN BIRD 1806 END STRIP – 4' EST	4'x15'	0.60	.34 IN/H
	RAIN BIRD SERIES S700 GEAR DRIVEN ROTARY SPRINKLER	42' RAD	3.50	1.93 IN/H
	RAIN BIRD 1806 SIDE STRIP – 4' SST	4'x30'	1.45	.75 IN/H
	RAIN BIRD 1806 FULL – 15' F	15' RAD	4.00	1.95 IN/H
	RAIN BIRD 1806 –FLOOD BUBBLER 6" POP UP	10' RAD	3.20	1.65 IN/H
	2 HP STARITE SELF PRIMING PUMP, MODEL #DHJ, DELIVERING 55 GPM @ 35 PSI OR EQUIVALENT 220 VOLT (OR EQUAL) W/ PUMP START			
	RAIN BIRD PEB SERIES LOW VOLTAGE CONTROL VALVES 1" & 1 1/2" W/ DIRECT BURIAL #14 WIRE AS REQUIRED			
----	1 1/2" SCH. 40 PVC MAIN LINE AS SHOWN			
—	RAIN BIRD ESP-SMTe WATER SENSE CERTIFIED 8 ZONE TIME CONTROLLER RAIN SWITCH READY 220/24 VOLT			
	RAIN BIRD WR2-RFC RAIN SENSOR			
	2" WELL SUPPLY 80' MIN.(WATER PERMIT BY OTHERS)			
R	RUST CONTROLL DEVICE-SEE DETAIL #1			

SEE SPECIFICATIONS/DETAILS

ZONE	1	2	3	4	5	6	7	8
# HEADS	16	26	20	23	17	7	15	--
G. P. M.	20.40	43.60	38.00	38.00	38.00	24.50	31.00	--



ROTARY HEAD
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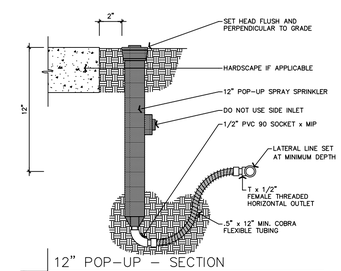

12" POP-UP – SECTION
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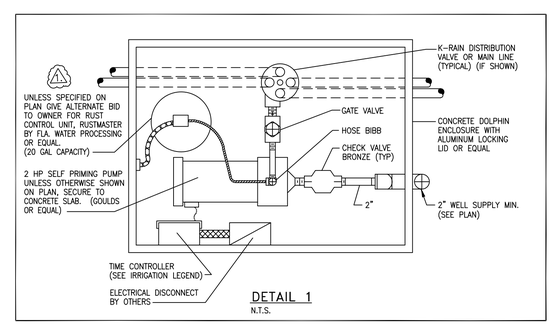
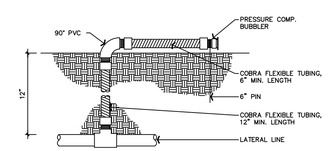


DETAIL 1
N.T.S.



BUBBLER HEAD – SECTION
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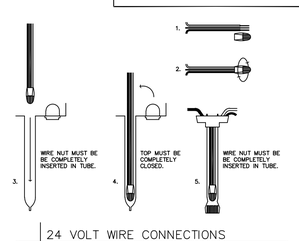
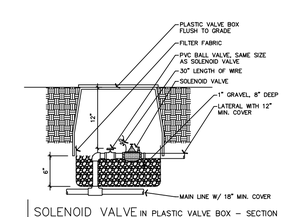
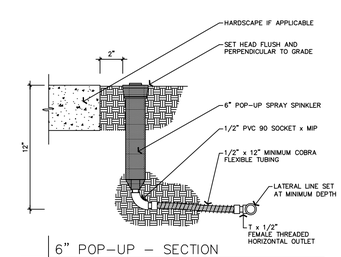


24 VOLT WIRE CONNECTIONS
NTS



SOLENOID VALVE IN PLASTIC VALVE BOX – SECTION
N.T.S.



6" POP-UP – SECTION
N.T.S.

CLIENT:

SUNSHINE GASOLINE DISTRIBUTORS,INC.

DESIGN TEAM TITLE:

MDM SERVICES, INC.
engineering • environmental • construction
2151 W. HILLSBORO BLVD, DEERFIELD BEACH, FLORIDA 33442
Phone: (954) 427-3076
FLORIDA CA #4857

NO.	DATE	REVISION DESCRIPTION
1.	06/21/23	REVISED UPDATED SITE PLAN

RICHARD BARTLETT LANDSCAPE,INC.
14417 STIRRUP LANE
WELLINGTON, FL 33414
TEL:(561)758-7707
LANDSCAPE ARCHITECTURE LC26000352
MICHAEL E. RAWLS RLA#0001633
EMAIL:-rb@richardbartlefflandscape.com

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RICHARD E. RAWLS LA-0001633 STATE OF FLORIDA LANDSCAPE ARCHITECT SEAL

Michael E Rawls
Digitally signed by Michael E Rawls
Date: 2023.06.23 14:50:01 -04'00'

DAIMIAN D. LESLIE
FL REG # 73113

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PROJECT DESCRIPTION:

NEW C-STORE

SITE DESIGNATION:

SUNSHINE GASOLINE DISTRIBUTORS CHEVRON GAS STATION #010

SITE ADDRESS:

301 POMPANO PKWY, POMPANO BEACH, FL 33069

SCALE: AS NOTED	MDM JOB # 21119
DATE: 08-11-2022	
DESIGNED BY: RGB/MER	
DRAWN BY: RICK BARTLETT	FILE NAME: 21119 CD.DWG
CHECKED BY: RGB/MER	RBL#22-08-2187

DRAWING TITLE:

IRRIGATION PLAN

SHEET NO: L-4

DRC
PZ22-12000038
08/16/2023