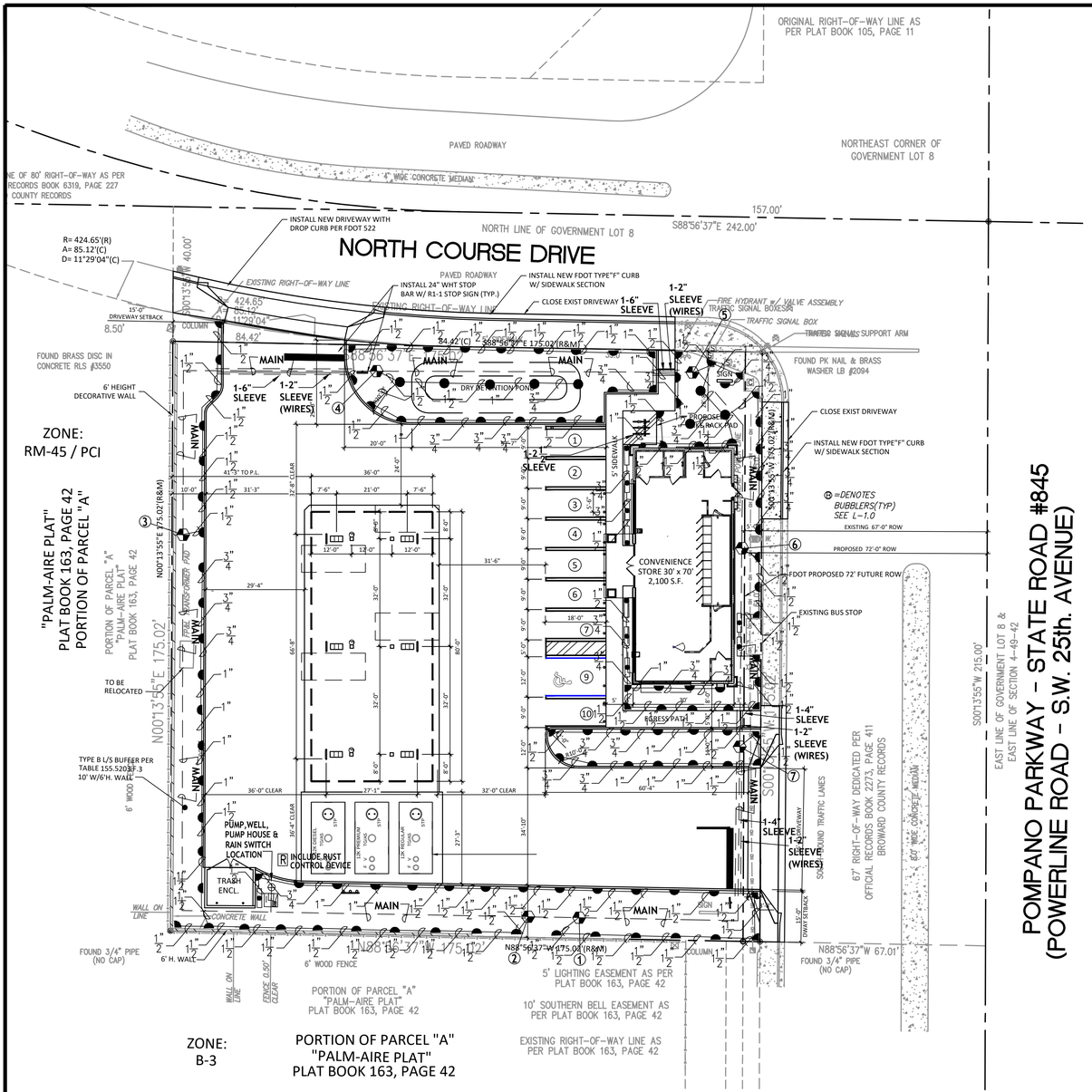


IRRIGATION PLAN

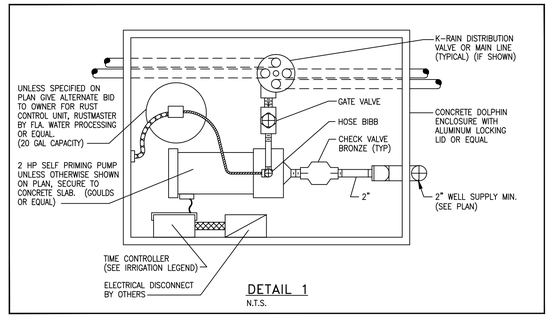
SCALE: 1" = 20'-0"

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)

1 inch = 20 ft.



DETAIL 1

N.T.S.

LOCATION MAP

1" = 100'

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. =DENOTES BUBBLERS(TYP)
8. INSTALL BUBBLERS LOCATED AT EACH NEW LOCATION OF TREES.(SEE LANDSCAPE PLAN FOR LOCATIONS)
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 #3HJ, DELIVERING 55 GPM @ 35 PSI OR EQUIVALENT 220 VOLT (OR EQUAL) W/ PUMP START			
	RIAN 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

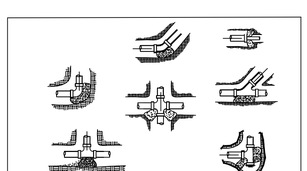
ZONE	1	2	3	4	5	6	7	8
# HEADS	21	20	22	12	21	19	14	--
G. P. M.	38.20	39.00	39.00	33.00	38.20	28.40	27.00	--

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.



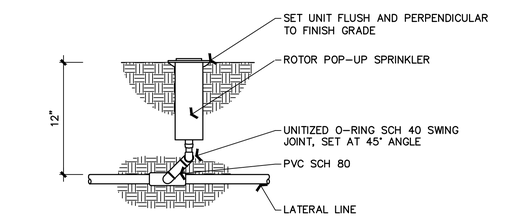
Sunshine 811

Call 811 or visit sunshine811.com two full business days before digging to have buried facilities located and marked.

Check positive response codes before you dig!

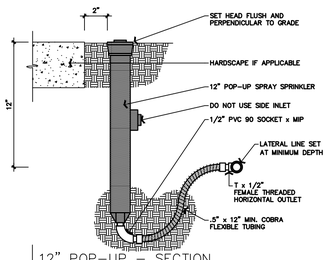
BUBBLER HEAD – SECTION

N.T.S.



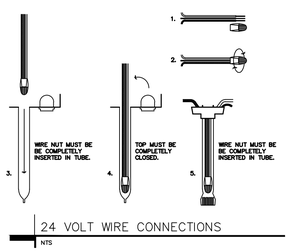
ROTARY HEAD

N.T.S.



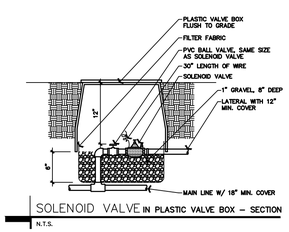
12" POP-UP – SECTION

N.T.S.



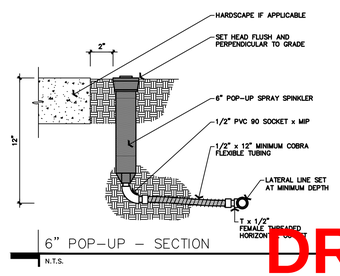
24 VOLT WIRE CONNECTIONS

NTS



SOLENOID VALVE IN PLASTIC VALVE BOX – SECTION

N.T.S.



6" POP-UP – SECTION

N.T.S.

DRC

PZ25-12000017

07/02/2025

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

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Michael E Rawls

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Date: 2025.04.24 10:34:45 -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#25-04-2235

DRAWING TITLE:

IRRIGATION PLAN

SHEET NO.

L-4.0