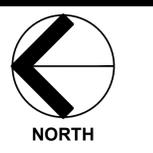


KEY MAP
N.T.S.

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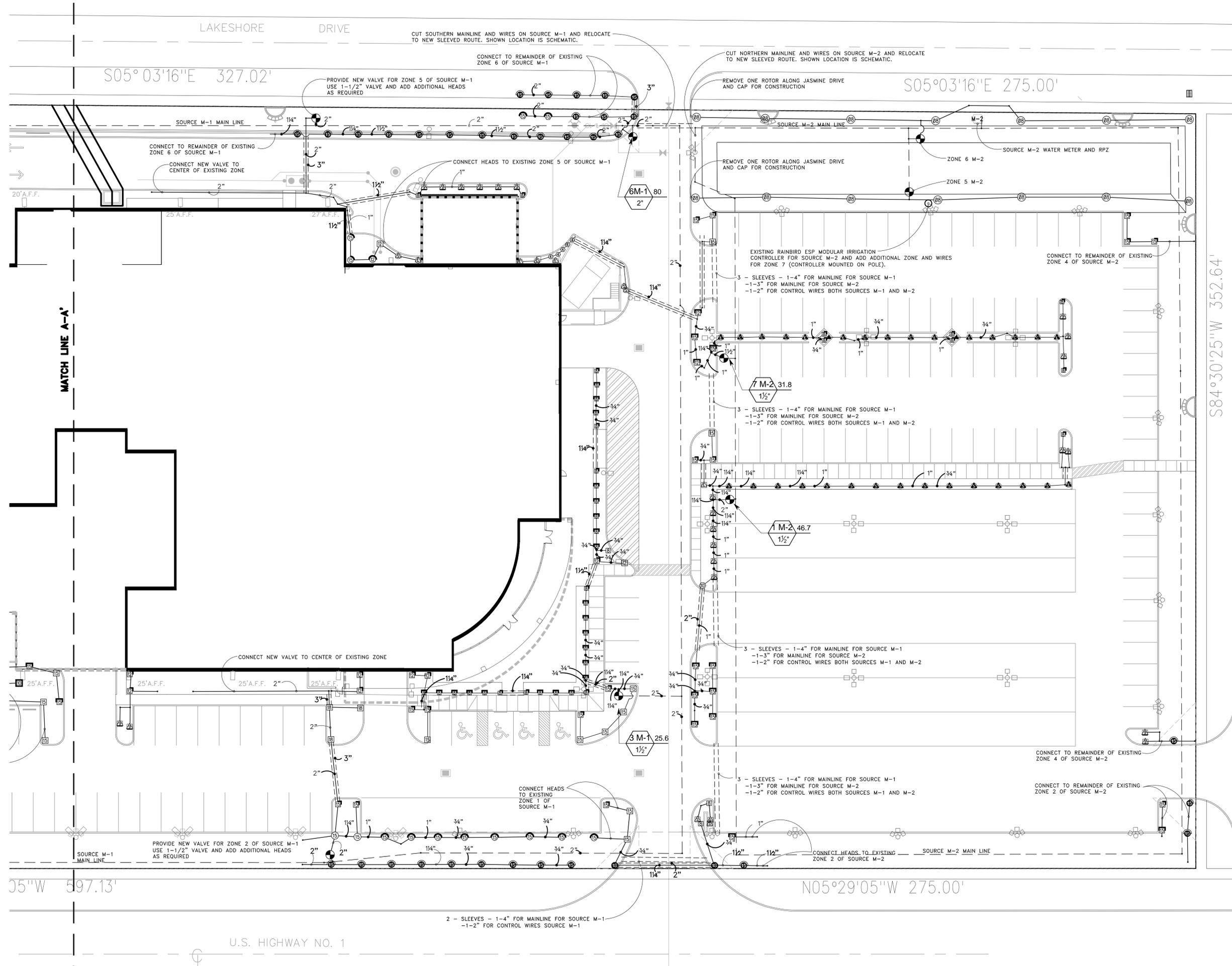
Lake Park, FL
Irrigation Plan - Phase I & II



0 10' 20' 40'
Scale: 1" = 20'-0"

Date: 03.28.2014
Project No.: 03-002.004
Designed By: JWB
Drawn By: JWB
Checked By: DM/AB

Revision Dates:
10.30.14 Updated Site & Landscape Plans



Earl Stewart Toyota

**Lake Park, FL
Irrigation Plan - Phase I & II**



NORTH

0 10' 20' 40'

Scale: 1" = 20'-0"

Date: 03.15.2014
Project No.: 03-002.004
Designed By: JWB
Drawn By: JWB
Checked By: DM/AB

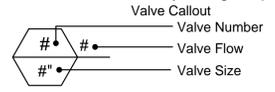
Revision Dates:
10.30.14 Updated Site & Landscape Plans
02.18.15 Resubmit SP Admendment

IRRIGATION SCHEDULE

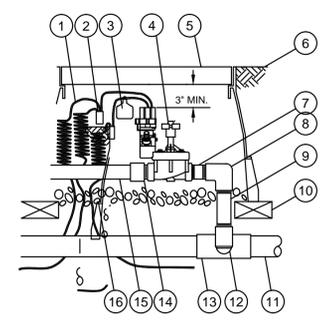
SYMBOL	MANUFACTURER/MODEL	QTY	ARC	PSI	2015-02-18 10:54 GPM RADIUS
▲	Rain Bird 1804 15 Strip Series	9	CST	30	1.21 4'x30'
▲	Rain Bird 1804 15 Strip Series	7	EST	30	0.61 4'x15'
▲	Rain Bird 1804 15 Strip Series	1	RCS	30	0.49 4'x15'
▲	Rain Bird 1804 15 Strip Series	15	SST	30	1.21 4'x30'
Ⓛ	Rain Bird 1804 15 Series MPR	40	180	30	1.85 15'
Ⓛ	Rain Bird 1804 15 Series MPR	8	90	30	0.92 15'
Ⓛ	Rain Bird 1804 VAN Series	2	Adj	30	18'
Ⓛ	Rain Bird 1804 HE-VAN Series	1	Adj	30	15'
▲	Rain Bird 1800-PA-80 15 Strip Series	1	CST	30	1.21 4'x30'
▲	Rain Bird 1800-PA-80 15 Strip Series	1	EST	30	0.61 4'x15'
▲	Rain Bird 1800-PA-80 15 Strip Series	2	SST	30	1.21 4'x30'
Ⓛ	Rain Bird 1800-PA-80 10 Series MPR	7	180	30	0.79 10'
Ⓛ	Rain Bird 1800-PA-80 10 Series MPR	2	90	30	0.39 10'
Ⓛ	Rain Bird 1800-PA-80 12 Series MPR	1	180	30	1.30 12'
Ⓛ	Rain Bird 1800-PA-80 15 Series MPR	9	180	30	1.85 15'
Ⓛ	Rain Bird 1800-PA-80 15 Series MPR	3	90	30	0.92 15'
Ⓛ	Rain Bird 1800-PA-80 VAN Series	2	Adj	30	6'
Ⓛ	Rain Bird 1800-PA-80 VAN Series	1	Adj	30	18'
Ⓛ	Rain Bird 1800-PA-80 HE-VAN Series	3	Adj	30	15'
▲	Rain Bird 1806 15 Strip Series	2	EST	30	0.61 4'x15'
▲	Rain Bird 1806 15 Strip Series	1	SST	30	1.21 4'x30'
Ⓛ	Rain Bird 1806 5 Series MPR	2	90	30	0.10 5'
Ⓛ	Rain Bird 1806 15 Series MPR	5	180	30	1.85 15'
Ⓛ	Rain Bird 1806 15 Series MPR	1	90	30	0.92 15'
Ⓛ	Rain Bird 1806 VAN Series	5	Adj	30	4'
Ⓛ	Rain Bird 1806 HE-VAN Series	1	Adj	30	10'
▲	Rain Bird 1812 15 Strip Series	1	EST	30	0.61 4'x15'
▲	Rain Bird 1812 15 Strip Series	3	SST	30	1.21 4'x30'
Ⓛ	Rain Bird 1812 8 Series MPR	22	180	30	0.52 8'
Ⓛ	Rain Bird 1812 8 Series MPR	16	90	30	0.26 8'
Ⓛ	Rain Bird 1812 15 Strip Series	21	SST	30	1.73 9'x18'
Ⓛ	Rain Bird 1812 10 Series MPR	1	360	30	1.58 10'
Ⓛ	Rain Bird 1812 12 Series MPR	2	180	30	1.30 12'
Ⓛ	Rain Bird 1812 12 Series MPR	7	90	30	0.65 12'
Ⓛ	Rain Bird 1812 15 Series MPR	12	180	30	1.85 15'
Ⓛ	Rain Bird 1812 15 Series MPR	18	90	30	0.92 15'
Ⓛ	Rain Bird 1812 VAN Series	3	Adj	30	18'
Ⓛ	Rain Bird 1812 HE-VAN Series	3	Adj	30	8'
Ⓛ	Rain Bird 1812 HE-VAN Series	2	Adj	30	12'
Ⓛ	Rain Bird 1812 HE-VAN Series	12	Adj	30	15'
▲	Rain Bird 1804-1400 Flood	4	360	30	1.00 1'

SYMBOL	Existing On Property MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI	GPM	RADIUS
Ⓛ	Hunter PGP-ADJ Turf Rotor, 4.0" Pop-Up, Adjustable and Full Circle. Standard Angle Red Nozzle. Lower Precipitation Rate.	14	50	3.90	41'

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
●	Rain Bird PEB 1", 1-1/2", 2" Plastic Industrial Valves. Low Flow Operating Capability, Globe Configuration.	8
—	Irrigation Lateral Line: PVC Class 160 SDR 26 PVC Class 315 for 1/2" pipe, PVC Class 200 for 3/4" pipe, PVC Class 160 SDR 26 for 1" and above.	3,678 l.f.
- - -	Irrigation Mainline: PVC Schedule 40 PVC Schedule 40 irrigation pipe.	3,166 l.f.
- - - - -	Pipe Sleeve: PVC Schedule 40 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.	572.1 l.f.

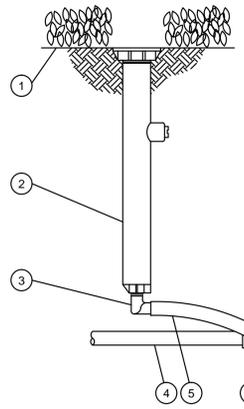


NOTE: All Pipe Lengths are estimates.



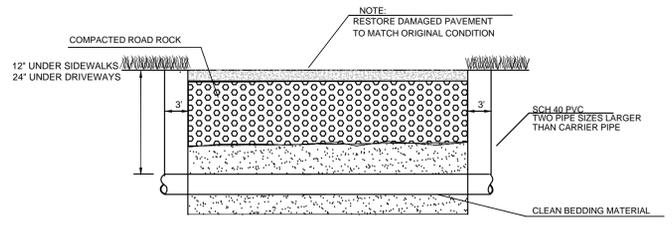
RAIN BIRD PEB SERIES VALVE
NOT TO SCALE

- 30-INCH LINEAR LENGTH OF WIRE, COILED
- WATERPROOF CONNECTION RAIN BIRD SPLICE-1 (1 OF 2)
- ID TAG: RAIN BIRD VID SERIES
- REMOTE CONTROL VALVE: RAIN BIRD PEB WITH GATE VALVE
- VALVE BOX WITH COVER: ARMOR 10" PLASTIC VALVE BOX
- FINISH GRADE/TOP OF MULCH
- PVC SCH 80 NIPPLE (CLOSE)
- PVC SCH 40 ELL
- PVC SCH 80 NIPPLE (LENGTH AS REQUIRED)
- BRICK (1 OF 4)
- PVC MAINLINE PIPE
- SCH 80 NIPPLE (2-INCH LENGTH, HIDDEN) AND SCH 40 ELL
- PVC SCH 40 TEE OR ELL
- PVC SCH 40 MALE ADAPTER
- PVC LATERAL PIPE
- 3.0-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL



RAIN BIRD 1812 SPRAY HEAD
NOT TO SCALE

- FINISH GRADE/TOP OF MULCH
- POP-UP SPRAY SPRINKLER: RAIN BIRD 1812 WITH RAIN BIRD ROTARY NOZZLE
- 1/2-INCH MALE NPT x .490 INCH BARB ELBOW: RAIN BIRD MODEL SBE-050
- PVC LATERAL PIPE
- SWING PIPE, 12-INCH LENGTH: RAIN BIRD MODEL SP-100
- PVC SCH 40 TEE OR ELL



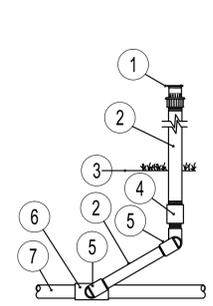
PIPE SLEEVE DETAIL

THRUST BLOCK SCHEDULE							
PIPE SIZE	2"	4"	6"	8"	10"	12"	14"
A *	1	3	5.5	10	15	22	30
B *	1	2	4.5	7.5	12	17	23

* DENOTES CHART NUMBERS ARE SQ. FT. BEARINGS ON UNDISTURBED SOIL.

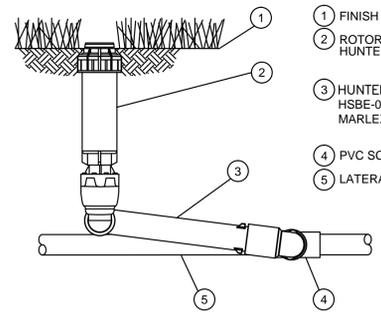
GENERAL NOTES :

- THRUST BLOCKS SHALL BE POURED AGAINST UNDISTURBED MATERIAL. WHERE TRENCH WALL HAS BEEN DISTURBED EXCAVATE ALL LOOSE MATERIAL AND EXTEND THRUST BLOCK TO UNDISTURBED MATERIAL.
- ON BENDS AND TEES EXTEND THRUST BLOCKS TO THE FULL LENGTH OF THE FITTING.
- PLACE BOARD IN FRONT OF ALL PLUGS BEFORE POURING THRUST BLOCK.
- BACKFILL SHALL CONSIST ENTIRELY OF CLEAN SAND AND SMALL ROCK FRAGMENTS. ANY MUCK FOUND AROUND THE EXCAVATION SHALL BE REPLACED WITH COMPACTED ACCEPTABLE MATERIAL.
- DESIGN CRITERIA : SOIL BEARING = 1000 LBS./SQ. FT. PRESSURE = 150 PSI
- CONCRETE SHALL BE 2500 PSI MINIMUM.
- CONTRACTOR SHALL WRAP ALL FITTINGS IN POLYETHYLENE FILM (6 MILS) MINIMUM THICKNESS, PROVIDING MINIMUM OF ONE (1) FOOT OVERLAP, EACH SIDE OF FITTING.



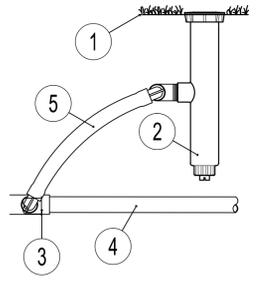
RAIN BIRD 1800 NOZZLE ON RISER SPRAY HEAD
NOT TO SCALE

- RAIN BIRD 1800 SERIES PLASTIC NOZZLE AND SHRUB ADAPTER MODEL PA-82
- SCH 80 NIPPLE
- FINISH GRADE
- SCH 80 THREADED COUPLER
- 1/2" PVC STREET ELLS (3)
- LATERAL TEE OR ELL
- LATERAL PIPE



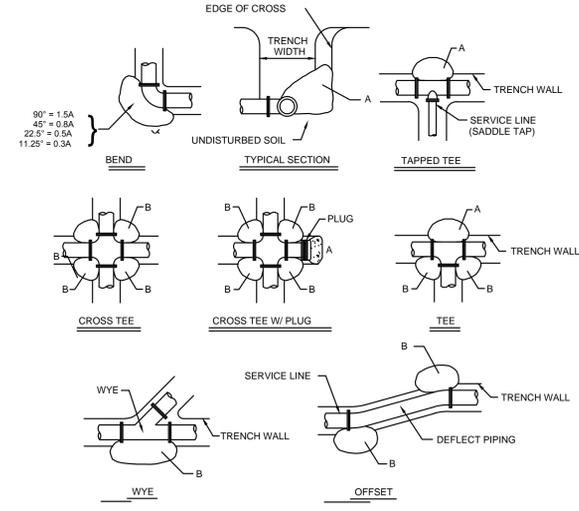
HUNTER PGP ROTOR HEAD
NOT TO SCALE

- FINISH GRADE
- ROTOR POP-UP SPRINKLER: HUNTER PGP
- HUNTER SWING PIPE: HSBE-050 ELBOWS (2), & MARLEX STREET ELBOW (1)
- PVC SCH 40 TEE OR ELL
- LATERAL PIPE



RAIN BIRD 1804 SPRAY HEAD
NOT TO SCALE

- FINISH GRADE
- RAINBIRD 1804 4" POP-UP SPRAY HEAD
- LATERAL TEE OR ELL
- LATERAL PIPE
- RAIN BIRD SWING PIPE: MODEL SP-100, HSBE-050 ELBOWS (2), & MARLEX STREET ELBOW (1)



THRUST BLOCK DETAIL
NOT TO SCALE

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 Landscape Architecture
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Earl Stewart Toyota

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Irrigation Details**

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IR-3
of 4

