

ADDENDUM NO 06

CITY OF FAIRHOPE

to


BID NUMBER 014-15, Fairhope Soccer Complex 2015 GRASSING and IRRIGATION PROJECT NO. REC 001-15, New Fairhope Soccer Complex Project 2015

The bid documents for this Bid shall be amended, revised, and changed in the following particulars:

1. The unit price bid schedule has been revised to include an alternate with the City of Fairhope providing pipe only for the irrigation system. All other items necessary for the irrigation system to function shall be provided by the contractor.
2. Engineering Controls Pay item has been added.
3. Revised irrigation plan has been added to remove the booster pump and increase the number of heads. Controller has been revised.
4. Rain Bird was used as the basis of design for the system. Other materials may be used if approved to be equivalent by engineer.

Submitted by:

PREBLE-RISH, LLC



Andrew N. Bobe, P.E.

Responders are to sign and include signed Addendum No. 6 with submitted bid documents.

Acknowledged:

Company

By

Date

**SCHEDULE OF VALUES FOR
CITY OF FAIRHOPE SOCCER FIELDS
GRASSING AND IRRIGATION**

PROJECT NO. 385.0003

ITEM	DESCRIPTION	UNIT	QTY.	UNIT PRICE	AMOUNT
SOCCER FIELDS & OPEN SPACES					
1	MOBILIZATION	LS	1		
2	TOTAL KILL FOR EXISTING VEGETATION	AC	16		
3	6" TOPSOIL W/ AMENDMENTS	CY	12950		
4	4" SANDY FILL (TO BE MIXED IN WITH TOPSOIL)	CY	8520		
5	4" TOPSOIL W/ AMENDMENTS	CY	11200		
6	419 BERMUDA SOLID SODDING	AC	16		
7	SILT FENCE	LF	1500		
8	WATTLES	LF	750		
9	SEEDING AND MULCING FOR ALL OTHER AREAS OUTSIDE FIELDS	AC	21		
10	TEMPORARY SEEDING AND MULCHING (AS DIRECTED BY ENGINEER)	AC	5		
11	4" PERFORATED DRAIN PIPE W/ FILTER SOCK (AS DETAILED)	LF	5840		
12	6" HDPE HEADER PIPE AS SHOWN ON PLANS	LF	1250		
13	COMPLETELY FUNCTIONING CONTROLLED IRRIGATION SYSTEM INCLUDING ALL LABOR, MATERIALS, EQUIPMENT AND COORDINATION WITH THE CITY OF FAIRHOPE INCLUDED.	LS	1		
15*	DOUBLE CHECK BACKFLOW PREVENTER	LS	1		
16*	6" X 6" TAPPING VALVE AND SLEEVE	LS	1		
17*	6" BORE UNDER MAINLY ROAD WITH ENCASEMENT PIPE	LS	1		
18**	ENGINEERING CONTROLS	LS	1		
TOTAL FOR GRASSING & IRRIGATION					

ADDITIVE ALTERNATES FOR GRASSING					
ITEM	DESCRIPTION	UNIT	QTY.	UNIT PRICE	AMOUNT
1	4" PERFORATED DRAIN PIPE W/ FILTER SOCK & 6" HEADER PIPE (FIELD #1)	LS	1		
2	4" PERFORATED DRAIN PIPE W/ FILTER SOCK & 6" HEADER PIPE (FIELD #2)	LS	1		
3	4" PERFORATED DRAIN PIPE W/ FILTER SOCK & 6" HEADER PIPE (FIELD #3)	LS	1		
4	4" PERFORATED DRAIN PIPE W/ FILTER SOCK & 6" HEADER PIPE (FIELD #6)	LS	1		
5	4" PERFORATED DRAIN PIPE W/ FILTER SOCK & 6" HEADER PIPE (FIELD #7)	LS	1		
6	4" PERFORATED DRAIN PIPE W/ FILTER SOCK & 6" HEADER PIPE (FIELD #8)	LS	1		
7	4" PERFORATED DRAIN PIPE W/ FILTER SOCK & 6" HEADER PIPE (FIELD #9)	LS	1		
8**	COMPLETELY FUNCTIONING CONTROLLED IRRIGATION SYSTEM INCLUDING ALL LABOR, MATERIALS, EQUIPMENT AND COORDINATION WITH THE CITY OF FAIRHOPE INCLUDED. (PIPE ONLY TO BE SUPPLIED BY THE CITY OF FAIRHOPE, CONTRACTOR RESPONSIBLE FOR ALL OTHER MATERIALS)	LS	1		

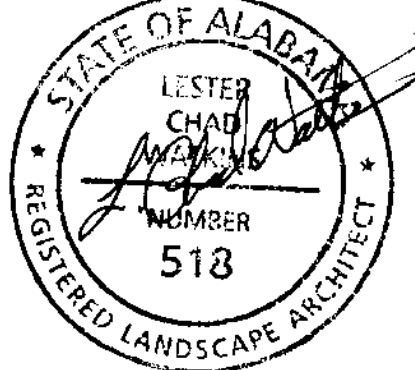
* ITEM REVISED IN ADDENDUM 4

** ITEM REVISED IN ADDENDUM 6

GENERAL NOTES

- THIS DESIGN IS BASED ON SPECIFIC BRAND EQUIPMENT AS INDICATED IN PLANS AND SPECIFICATION. ALL ALTERNATIVE MANUFACTURES AND/OR BRANDS MUST BE EQUAL TO OR BETTER THAN REQUIREMENTS LISTED IN CONTRACT DOCUMENTS.
- MAIN LINE AND HEAD LAYOUT IS TO BE FIELD STAKED AND APPROVED BY OWNER'S REPRESENTATIVE AND LANDSCAPE ARCHITECT BEFORE CONSTRUCTION.
- ALL PIPE USED FOR IRRIGATION MAINLINE IS TO BE GASKETED-JOINT WHITE RING TITE PIPE CLASS 200 PVC GASKETED.
- ALL PIPE FITTINGS 3" AND BELOW CAN BE HARCO PVC AND ANY 4" AND ABOVE ARE TO BE HARCO DUCTILE IRON.

NO.	DATE	APPL.	REVISIONS PER CITY REQUEST
1	03.27.15		
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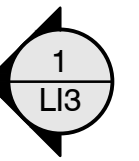
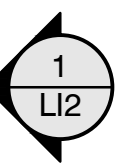
PREBLE-RISH, LLC
CONSULTING ENGINEERS
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9848 BELLAVILLE AVENUE
FAIRHOPE, ALABAMA 36526
(256) 896-9910
www.preble-rish.com

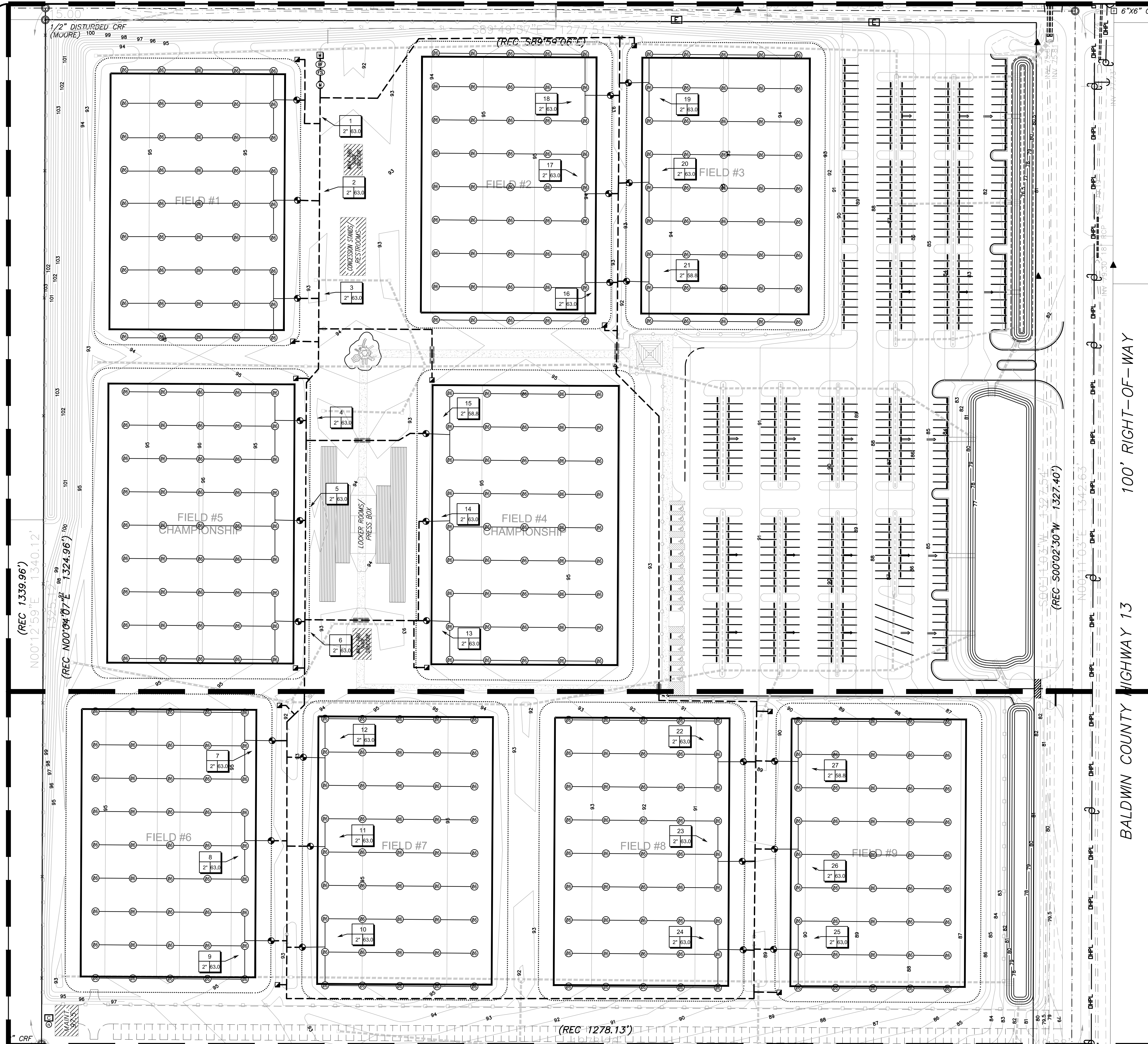
SCALE: 1"=60'
DESIGNED: ANB/CCJ
DRAWN: CCJ
CHECKED: ANB
DATE: APRIL 2014

UTILITY & IRRIGATION PLAN
FAIRHOPE SOCCER FIELDS
CITY OF FAIRHOPE
FAIRHOPE, ALABAMA

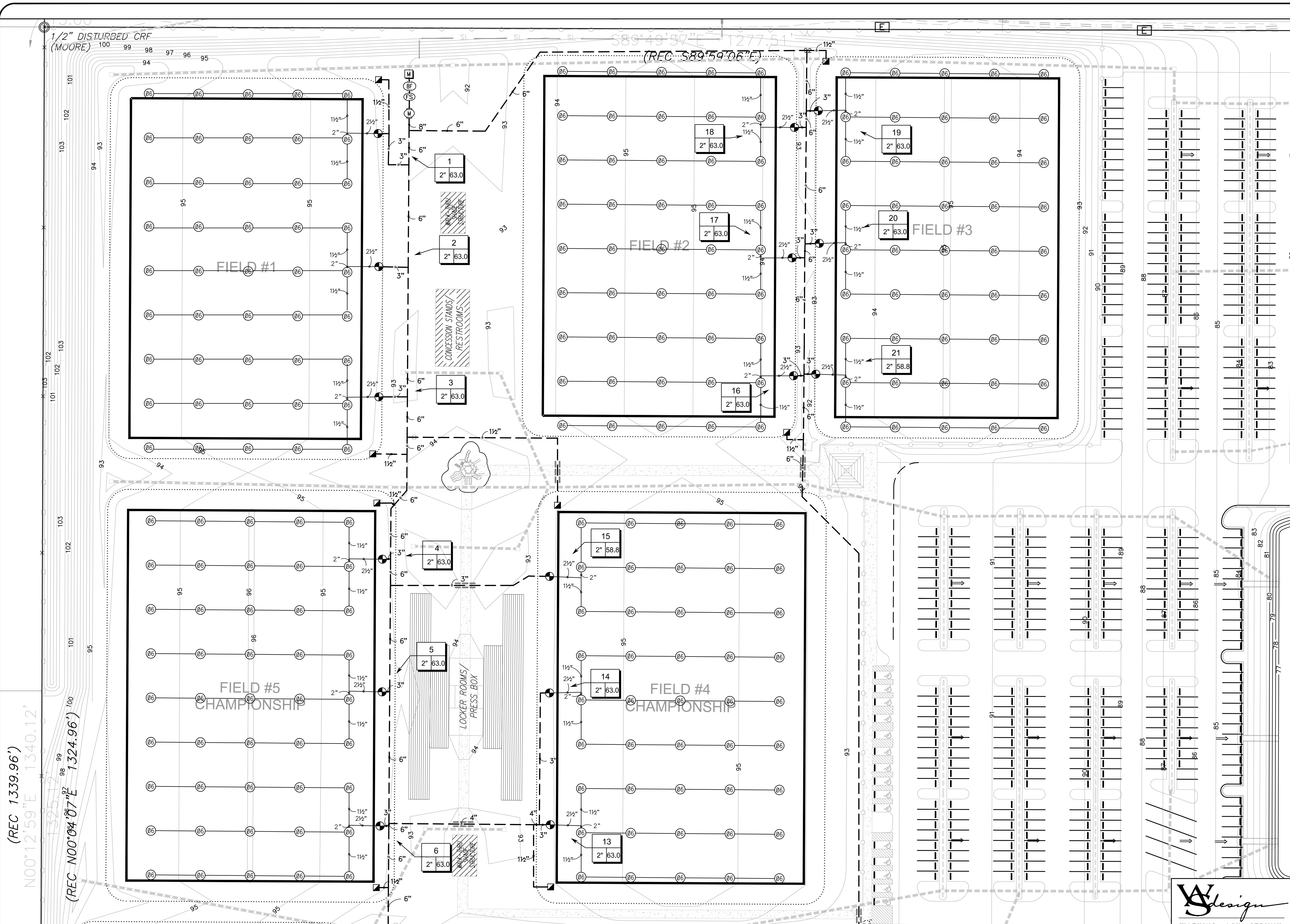
PROJECT NO: 385.0003
SHEET: LI1



BALDWIN COUNTY HIGHWAY 13 100' RIGHT-OF-WAY



1 OVERALL IRRIGATION PLAN
Scale: 1"= 60'



1 IRRIGATION PLAN ENLARGEMENT
Scale: 1" = 40'

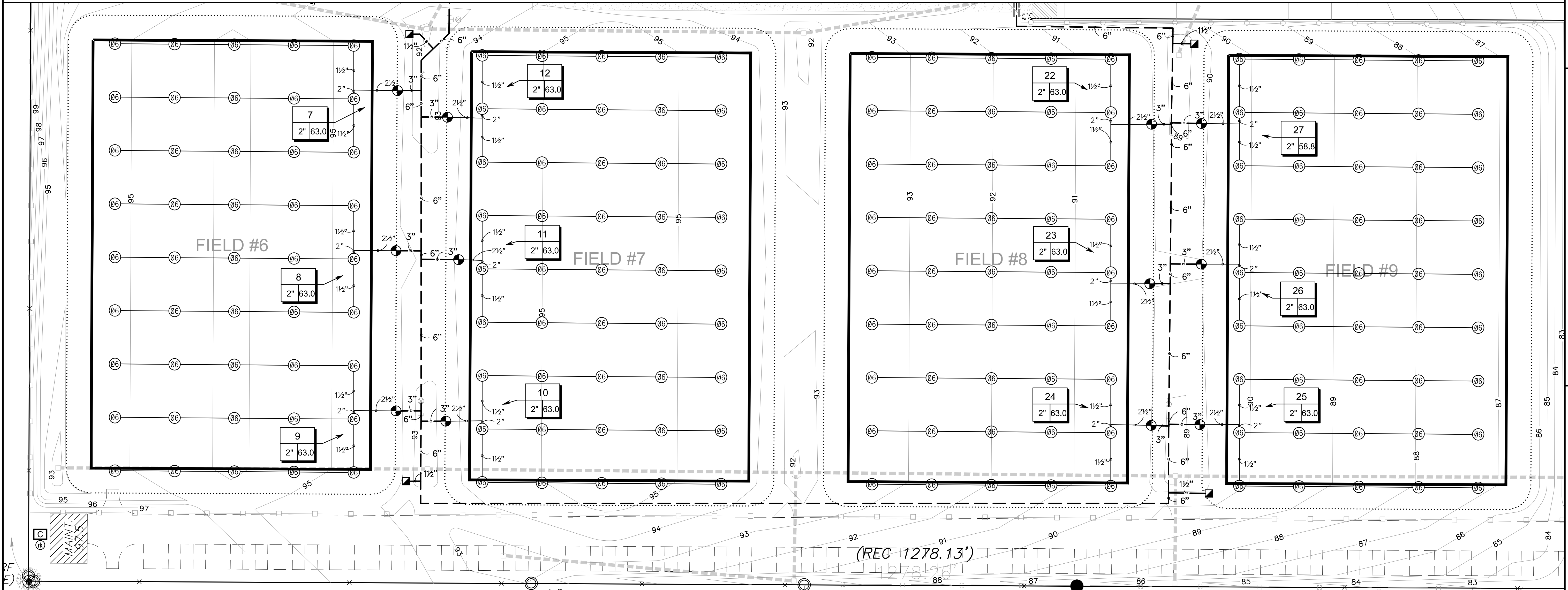


PROJECT NO:		SHEET:	
385.0003		LI2	
<p>PREBLE-RISH, LLC CONSULTING ENGINEERS CIVIL • SURVEYING • SITE PLANNING</p> <p>9048 BELLAVON AVENUE FAIRHOPE, ALABAMA 36526 (251) 966-0910 www.preble-rish.com</p>			
SCALE:	DESIGNED:	DRAWN:	CHECKED:
1"=60'	ANB/CCJ	CCJ	ANB
DATE:		APRIL 2014	
<p>STATE OF ALABAMA REGISTERED LANDSCAPE ARCHITECT LESTER CHAD RYAN NUMBER 518</p>			
NO.	DATE:	APPROVAL:	REVISION:
1	03.27.15		REVISIONS PER CITY REQUEST
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UTILITY & IRRIGATION PLAN
FAIRHOPE SOCCER FIELDS
CITY OF FAIRHOPE
FAIRHOPE, ALABAMA

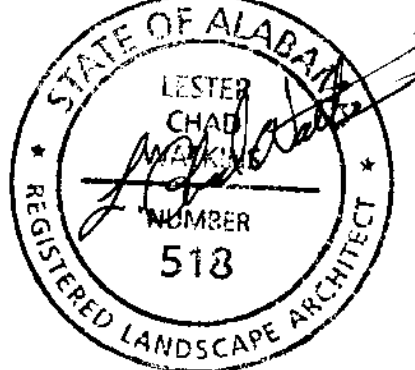
WATERING SCHEDULE

NUMBER	MODEL	TYPE	PRECIP	SUN	MON	TUE	WED	THU	FRI	SAT	IN./WEEK	MIN./WEEK	GAL./WEEK	GAL./DAY
1	Rain Bird PEB-PRS-D	Turf Rotor	0.22 in/h	69 min		69 min		69 min	69 min	1	275	17,325	4,331	
2	Rain Bird PEB-PRS-D	Turf Rotor	0.22 in/h	69 min		69 min		69 min	69 min	1	275	17,325	4,331	
3	Rain Bird PEB-PRS-D	Turf Rotor	0.22 in/h	69 min		69 min		69 min	69 min	1	275	17,325	4,331	
4	Rain Bird PEB-PRS-D	Turf Rotor	0.22 in/h	69 min		69 min		69 min	69 min	1	275	17,325	4,331	
5	Rain Bird PEB-PRS-D	Turf Rotor	0.22 in/h	69 min		69 min		69 min	69 min	1	275	17,325	4,331	
6	Rain Bird PEB-PRS-D	Turf Rotor	0.22 in/h	69 min		69 min		69 min	69 min	1	275	17,325	4,331	
7	Rain Bird PEB-PRS-D	Turf Rotor	0.22 in/h	69 min		69 min		69 min	69 min	1	275	17,325	4,331	
8	Rain Bird PEB-PRS-D	Turf Rotor	0.22 in/h	69 min		69 min		69 min	69 min	1	275	17,325	4,331	
9	Rain Bird PEB-PRS-D	Turf Rotor	0.22 in/h	69 min		69 min		69 min	69 min	1	275	17,325	4,331	
10	Rain Bird PEB-PRS-D	Turf Rotor	0.22 in/h	69 min		69 min		69 min	69 min	1	275	17,325	4,331	
11	Rain Bird PEB-PRS-D	Turf Rotor	0.22 in/h	69 min		69 min		69 min	69 min	1	275	17,325	4,331	
12	Rain Bird PEB-PRS-D	Turf Rotor	0.22 in/h	69 min		69 min		69 min	69 min	1	275	17,325	4,331	
13	Rain Bird PEB-PRS-D	Turf Rotor	0.22 in/h	69 min		69 min		69 min	69 min	1	275	17,325	4,331	
14	Rain Bird PEB-PRS-D	Turf Rotor	0.22 in/h	69 min		69 min		69 min	69 min	1	275	17,325	4,331	
15	Rain Bird PEB-PRS-D	Turf Rotor	0.22 in/h	69 min		69 min		69 min	69 min	1	275	16,170	4,043	
16	Rain Bird PEB-PRS-D	Turf Rotor	0.22 in/h	69 min		69 min		69 min	69 min	1	275	17,325	4,331	
17	Rain Bird PEB-PRS-D	Turf Rotor	0.22 in/h	69 min		69 min		69 min	69 min	1	275	17,325	4,331	
18	Rain Bird PEB-PRS-D	Turf Rotor	0.22 in/h	69 min		69 min		69 min	69 min	1	275	17,325	4,331	
19	Rain Bird PEB-PRS-D	Turf Rotor	0.22 in/h	69 min		69 min		69 min	69 min	1	275	17,325	4,331	
20	Rain Bird PEB-PRS-D	Turf Rotor	0.22 in/h	69 min		69 min		69 min	69 min	1	275	17,325	4,331	
21	Rain Bird PEB-PRS-D	Turf Rotor	0.22 in/h	69 min		69 min		69 min	69 min	1	275	16,170	4,043	
22	Rain Bird PEB-PRS-D	Turf Rotor	0.22 in/h	69 min		69 min		69 min	69 min	1	275	17,325	4,331	
23	Rain Bird PEB-PRS-D	Turf Rotor	0.22 in/h	69 min		69 min		69 min	69 min	1	275	17,325	4,331	
24	Rain Bird PEB-PRS-D	Turf Rotor	0.22 in/h	69 min		69 min		69 min	69 min	1	275	17,325	4,331	
25	Rain Bird PEB-PRS-D	Turf Rotor	0.22 in/h	69 min		69 min		69 min	69 min	1	275	17,325	4,331	
26	Rain Bird PEB-PRS-D	Turf Rotor	0.22 in/h	69 min		69 min		69 min	69 min	1	275	16,170	4,043	
27	Rain Bird PEB-PRS-D	Turf Rotor	0.22 in/h	69 min		69 min		69 min	69 min	1	275	16,170	4,043	
TOTALS:				1,863	1,863	1,863	1,863	1,863	1,863	1	7,425	464,310	116,078	



1 IRRIGATION PLAN ENLARGEMENT
Scale: 1" = 40'

NO.	DATE	APPROV.	REVISIONS PER CITY REQUEST
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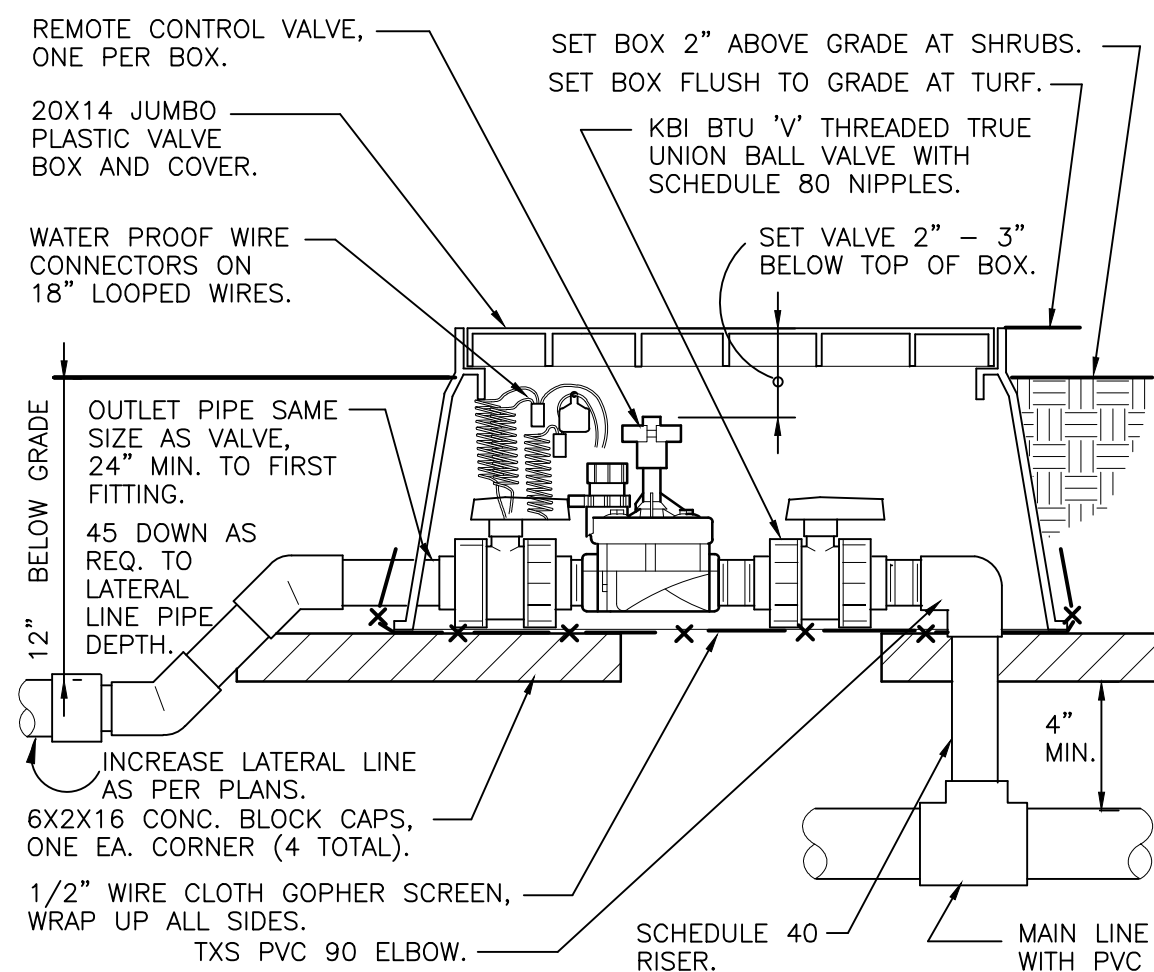
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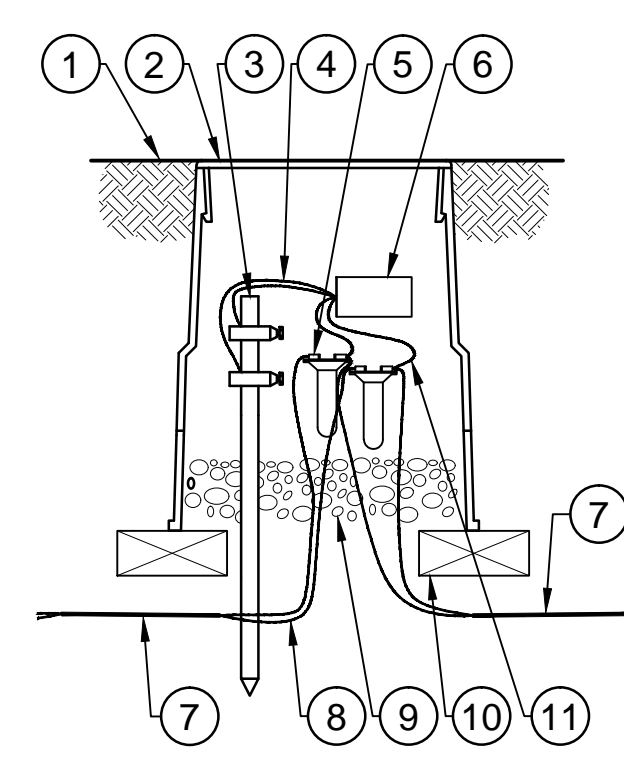
CHECKED: ANB
DRAWN: CCJ
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DATE: APRIL 2014

UTILITY & IRRIGATION PLAN
FAIRHOPE SOCCER FIELDS
CITY OF FAIRHOPE
FAIRHOPE, ALABAMA





1 RCV WITH UNION S.O.V.
1 1/2" = 1'-0" 328406.13-04

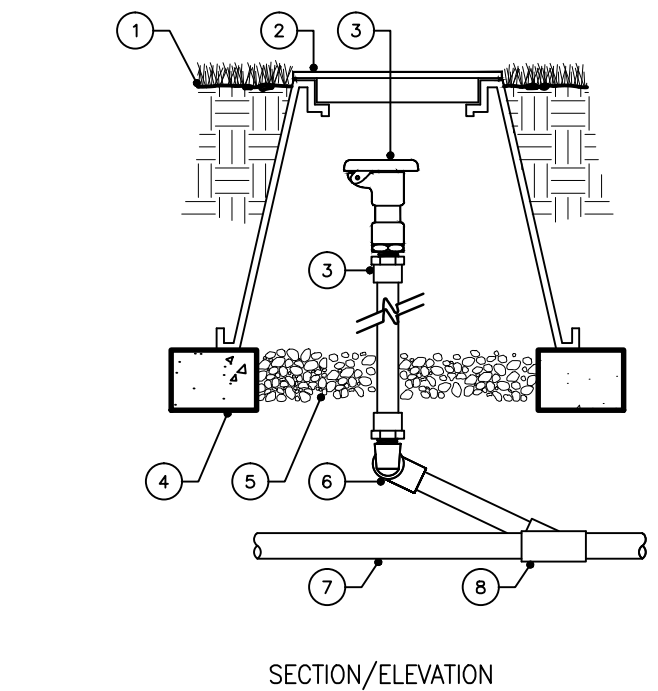


2 RAINBIRD 2-WIRE GROUNDING DETAIL
1 1/2" = 1'-0"

- 1 FINISH GRADE OR TOP OF MULCH
- 2 10-INCH VALVE BOX WITH COVER: RAIN BIRD VB-10RND
- 3 GROUNDING ROD: 10 OHMS OR LESS
- 4 GREEN/YELLOW WIRE FROM LSP-1TURFTURF TO GROUNDING ROD BRASS CLAMPS (1 OF 2)
- 5 DB SERIES WIRE CONNECTOR: RAIN BIRD DBWC25 (1 OF 2)
- 6 LINE SURGE PROTECTOR: RAIN BIRD LSP-1TURF M10008
- 7 TWO-WIRE CABLE TO NEXT DEVICE (FIELD DECODER, SENSOR DECODER, LINE SURGE PROTECTOR OR ESP-LXD CONTROLLER)
- 8 COMMUNICATION WIRE TO NEXT DEVICE (FIELD DECODER, SENSOR DECODER, LINE SURGE PROTECTOR OR ESP-LXD CONTROLLER)
- 9 3-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL
- 10 BRICK (1 OF 2)
- 11 BLUE WIRE FROM LSP-1TURF TO DB SERIES WIRE CONNECTOR

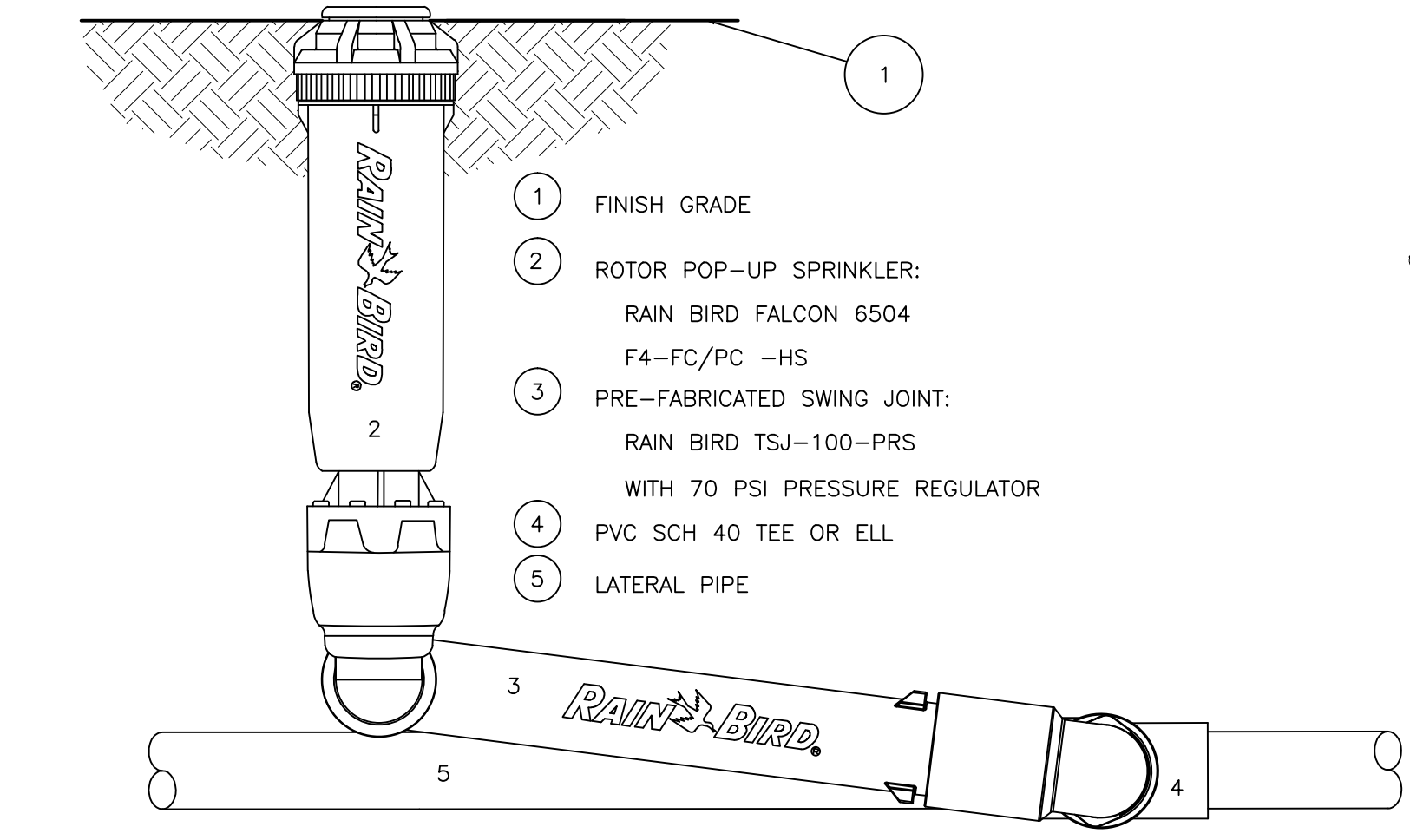
NOTES:

1. LSP-1TURF SHOULD BE INSTALLED EVERY 500-FEET OR FOR EVERY EIGHT DECODERS ON TWO-WIRE PATH.
2. LSP-1TURF TO BE INSTALLED AT END OF WIRE RUN THAT TERMINATES IN THE FIELD (STAR CONFIGURATION).
3. RAIN BIRD FD-401TURF AND FD-601TURF FIELD DECODERS COME WITH LSP-1TURF'S BUILT-IN FD-101TURF. FD-102TURF AND FD-202TURF REQUIRE SEPARATE LSP-1TURF PROTECTION.



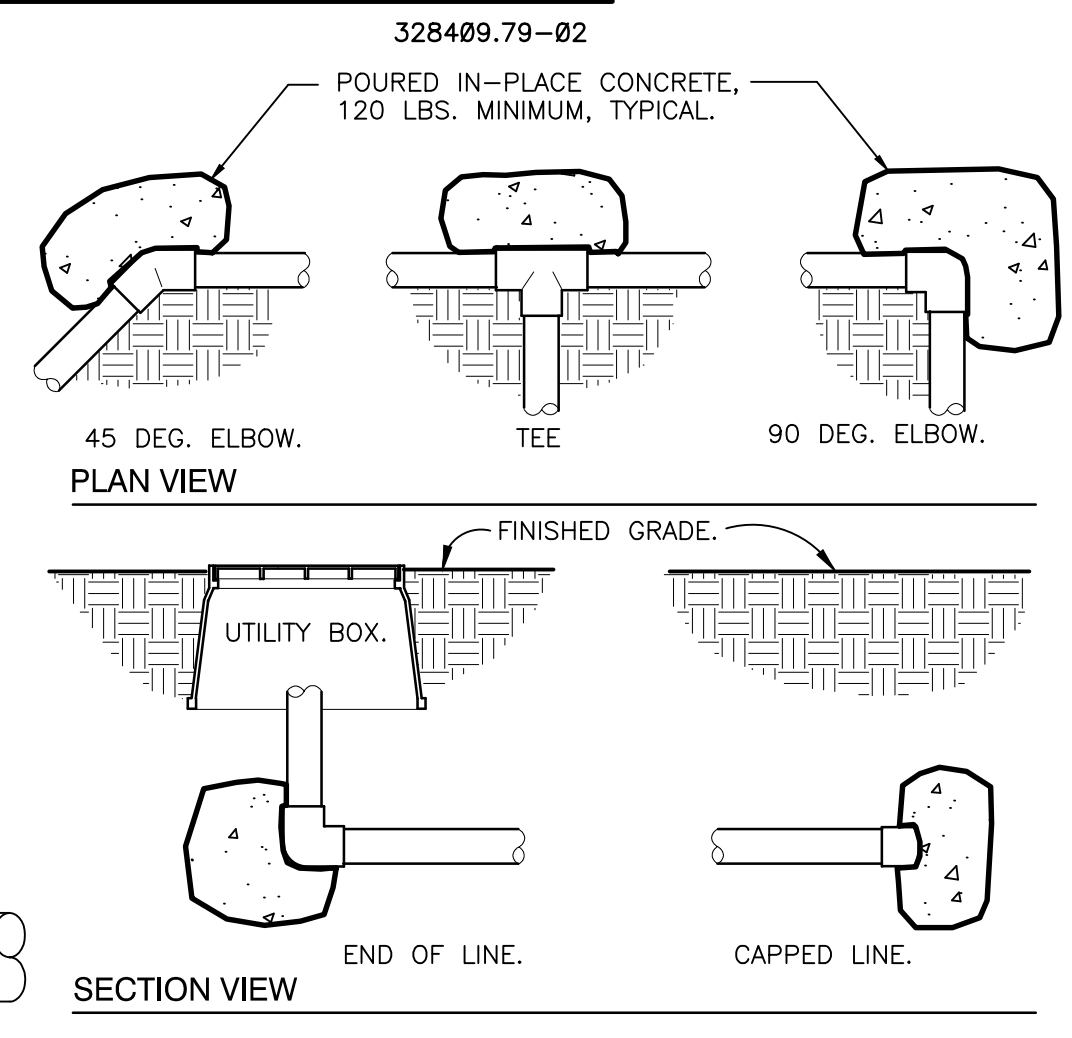
3 QUICK COUPLER VALVE
6" = 1'-0" 328406.43-05

- 1 FINISHED GRADE
 - 2 VALVE BOX & COVER
 - 3 QUICK COUPLER
 - 4 CONTINUOUS BRICK SUPPORTS
 - 5 GRAVEL (1 CU. FT.)
 - 6 18" SWING JOINT, QUICK COUPLER, AOME UNI-BODY, 1" AOME x 1" QUICK COUPLER
 - 7 PVC MAIN LINE
 - 8 PVC TEE OR ELBOW (TYP.)
- NOTES:**
SEE PLANS, LEGEND AND SPECIFICATIONS FOR ADDITIONAL INSTALLATION NOTES.

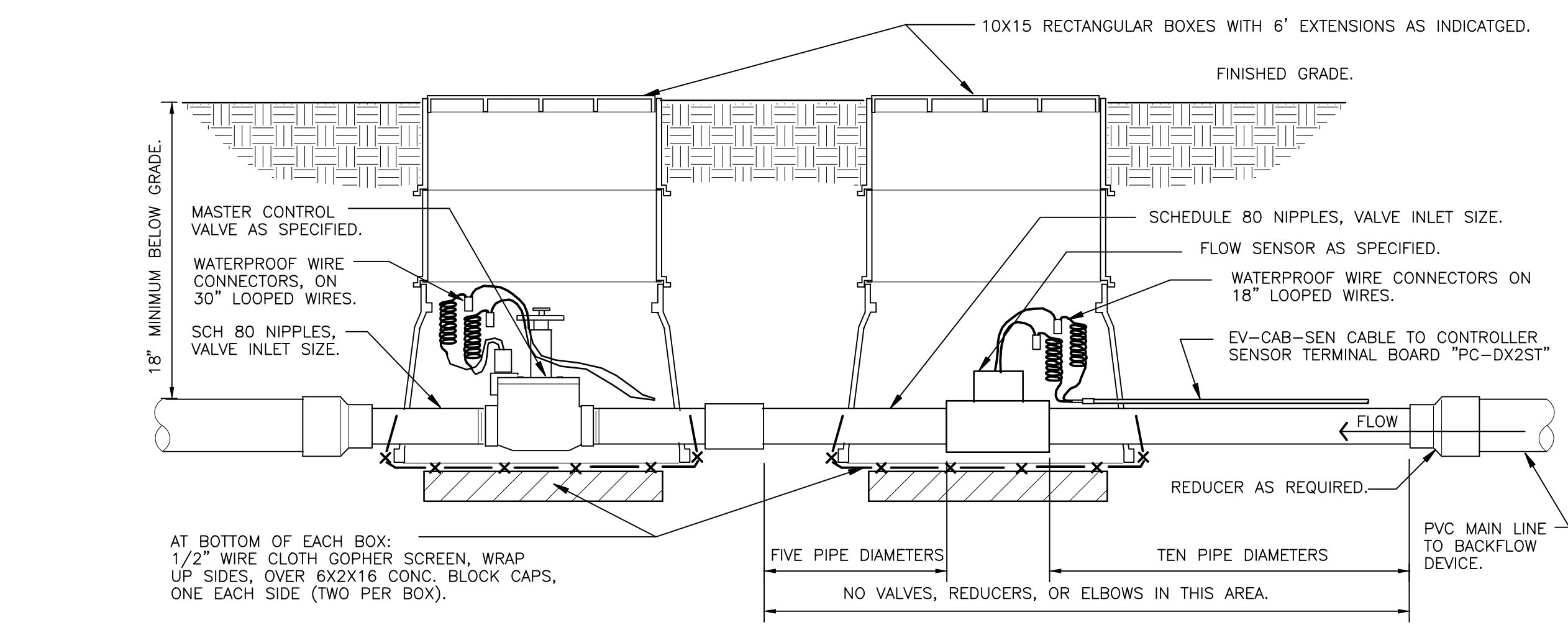


4 FALCON 6504 ASSEMBLY
3" = 12" 328403.16-01

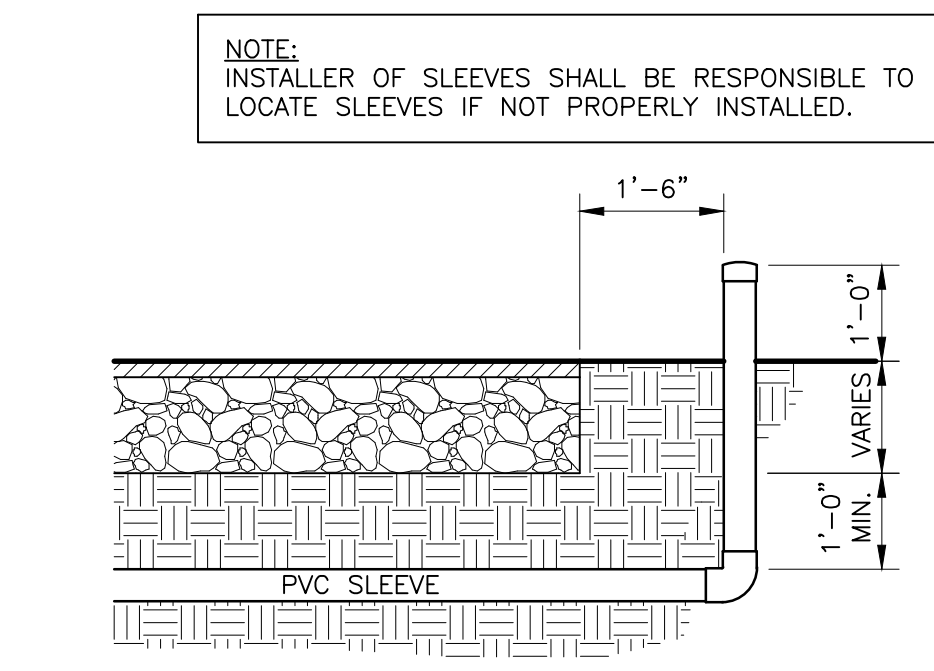
- 1 FINISH GRADE
- 2 ROTOR POP-UP SPRINKLER: RAIN BIRD FALCON 6504 F4-FC/PC -HS
- 3 PRE-FABRICATED SWING JOINT: RAIN BIRD TSJ-100-PRS WITH 70 PSI PRESSURE REGULATOR
- 4 PVC SCH 40 TEE OR ELL
- 5 LATERAL PIPE



5 THRUST BLOCKING
3/4" = 1'-0" 328409.76-01



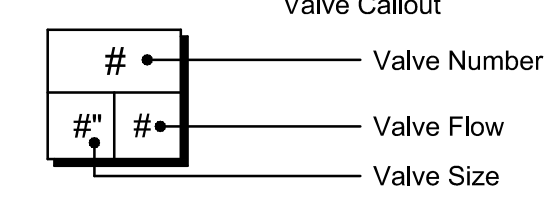
6 MASTER VALVE/FLOW SENSOR ASSEMBLY
1 1/2" = 1'-0" 328406.23-02



7 SLEEVING DETAIL
1/2" = 1'-0" 328409.76-05

IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI	GPM	RADIUS
⊗	Rain Bird F4-PC, FC Turf Rotor, 4.0" Pop-Up, Plastic Riser, Adjustable and Full Circle, With Removable Seal-A-Matic Check Valve, 1" Female Threaded Inlet.	405	30	4.20	43'
⊙	Rain Bird PEB-PRS-D 2" 1", 1-1/2", 2" Plastic Industrial Valves, Low Flow Operating Capability, Globe Configuration, With Pressure Regulator Module.	27			
■	Rain Bird 5-LRC 1" 1" Brass Quick-Coupling Valve, with Corrosion-Resistant Stainless Steel Spring, Locking Thermoplastic Rubber Cover, and 1-Piece Body.	12			
Ⓜ	Rain Bird 300-BPE-PRS-D Globe 3" 3" Brass Master Valve, with Globe Configuration, With PRS-Dial Pressure Regulator Module.	1			
Ⓛ	Watts 709 6" Double Check Detector Assemblies	1			
Ⓢ	Rain Bird ESP-LXD Two-Wire Decoder Commercial Controller, 50 Stations, UV-Resistant, Outdoor-Rated, Plastic Locking Wall-Mountable Case. Available in the US market, International, European, or Australian Markets.	1			
Ⓚ	Rain Bird LIMRKIT Landscape Irrigation and Maintenance Remote. Maintains Rain Bird system operation and head alignment. Operates with all ESP and STP Rain Bird Controllers. Kit comes with batteries and a durable plastic carrying case.	1			
Ⓧ	Rain Bird FS-400-P 4" Flow Sensor for use with Rain Bird Maxicom, SiteControl, and ESP-LXD Central Control Systems. Plastic (PVC) Model. Suggested Operating Range of 40.0 GPM to 500.0 GPM. Sensors should be sized for flow rather than pipe size.	1			
Ⓜ	Water Meter 6" 6" Water Meter @ 65 PSI Contractor to verify prior to construction	1			
---	Irrigation Lateral Line: PVC Class 200 SDR 21 1"	15,635 l.f.			
---	Irrigation Lateral Line: PVC Class 200 SDR 21 1 1/2"	2,078 l.f.			
---	Irrigation Lateral Line: PVC Class 200 SDR 21 2"	200.6 l.f.			
---	Irrigation Lateral Line: PVC Class 200 SDR 21 2 1/2"	823.0 l.f.			
---	Irrigation Mainline: PVC Class 200 SDR 21 1 1/2"	551.2 l.f.			
---	Irrigation Mainline: PVC Class 200 SDR 21 3"	768.1 l.f.			
---	Irrigation Mainline: PVC Class 200 SDR 21 4"	146.2 l.f.			
---	Irrigation Mainline: PVC Class 200 SDR 21 6"	3,596 l.f.			
---	Irrigation Mainline: PVC Class 200 SDR 21 8"	55.0 l.f.			
---	Pipe Sleeve: PVC Class 200 SDR 21 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.	88.8 l.f.			



REVISION:

NO.	DATE	APPR.	REVISIONS PER QTY REQUEST
1	03.27.15		
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STATE OF ALABAMA
LESTER CHAD
REGISTERED LANDSCAPE ARCHITECT
NUMBER 518

PREBLE-RISH, LLC
CONSULTING ENGINEERS
CIVIL • SURVEYING • SITE PLANNING

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SCALE: 1"=60'

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FAIRHOPE, ALABAMA

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SHEET: L14