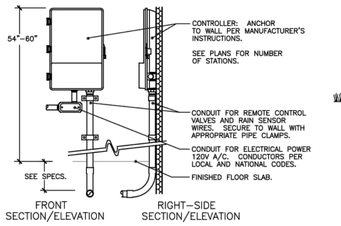
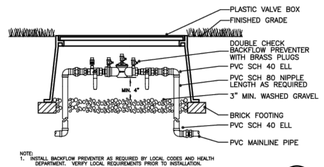


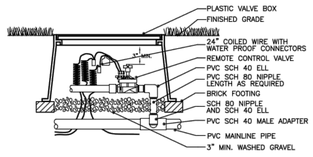
WALL MOUNT CONTROLLER

N.T.S.



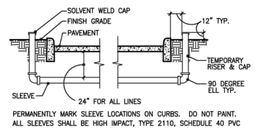
BACKFLOW PREVENTER

N.T.S.



REMOTE CONTROL VALVE

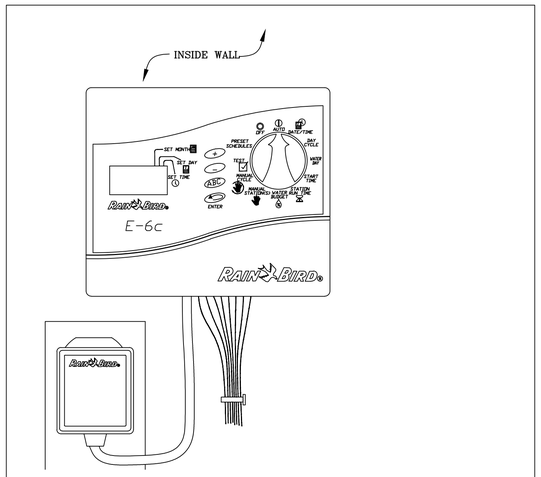
N.T.S.



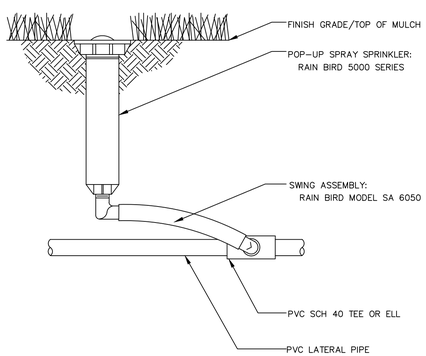
PERMANENTLY MARK SLEEVE LOCATIONS ON CURBS. DO NOT PAINT.
ALL SLEEVES SHALL BE HIGH IMPACT, TYPE 2110, SCHEDULE 40 PVC

TYPICAL SLEEVE DETAIL

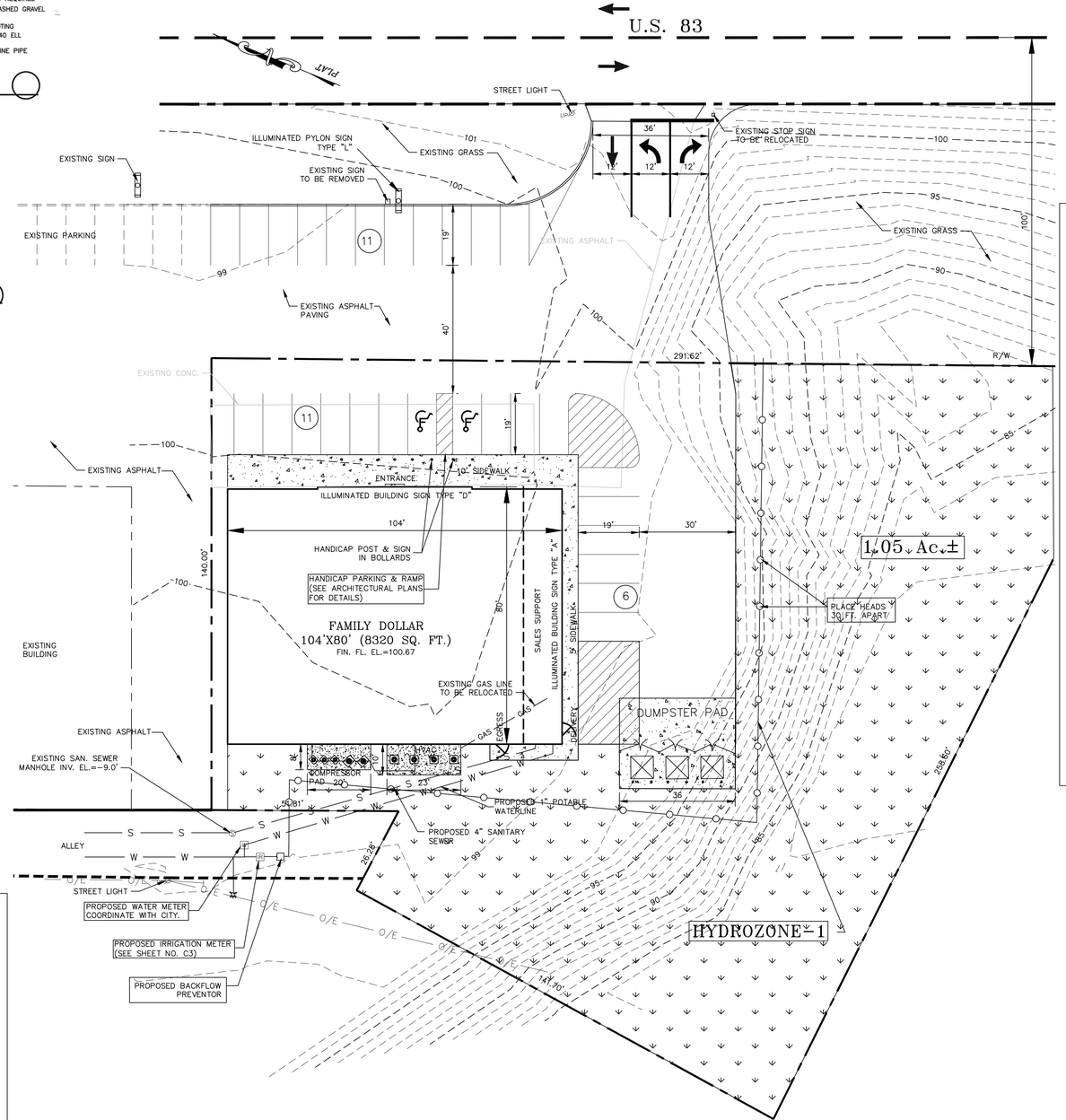
N.T.S.



THREE PROGRAM HYDRID CONTROLLER



RAIN BIRD 5000 SERIES ROTARY HEAD



LEGEND

GRASS	
REMOTE CONTROL VALVE	
IRRIGATION LINE	

SPRINKLER IRRIGATION NOTES:

1. Examination Of Site: The installer shall visit the site of the work to fully acquaint himself with conditions and difficulties attending the performance of the work. By submission of his bid, the installer certifies that he has complied with the requirements and no additional compensation nor relief from any obligation of the Contract will be considered because of lack of knowledge of the site or conditions under which the work will be performed.
2. Specifications: The installer is responsible for obtaining a copy of the project specifications prior to bidding. The project specifications are apart of these plans and shall be consulted by installer.
3. Notes On Drawings: The installer is responsible for notes on the Drawings which call attention to particular requirements or conditions. The fact that these requirements or conditions may not be called out in the Specifications does not relieve the installer of responsibility for such requirements or conditions.
4. Field Conditions: The installer shall verify drawing dimensions with actual field dimensions and inspect related work and adjacent surfaces. The installer shall report any discrepancies to the Engineer prior to bidding and/or installation. If a question arises as to the coverage of areas, consider the drawings to be a minimum acceptable coverage and make necessary adjustments prior to submitting bid. Notify in writing the Engineer of any changes or substitutions to system. Only those changes or substitutions approved in writing will be allowed.
5. Codes And Ordinances: All local, State, Federal laws and regulations, and National Sanitation Foundation recommendations, governing or relating to any part of this work are incorporated into and made apart of these drawings.
6. Utilities: The exact location of all existing utilities, structures and underground utilities, which may not be indicated on the Drawings, shall be determined by the installer and he shall conduct his work so as to prevent interruption of service or damage. Installer shall be responsible for any damage and shall repair to original condition at no cost to Owner.
7. Quantities: Quantities indicated on the Drawings take precedence over quantities indicated in Partial Material List. Verify all quantities prior to submitting bid.
8. Line Placement: Lines shown on the Drawings are essentially diagrammatic, their exact location shall be established in the field. Lines shown parallel to each other shall be placed in common trench. Spacing heads shall not be exceeded. Coordinate placement of lines with placement of trees balls and plant materials. Irrigation lines and valves may be shown outside of property lines on these plans. All irrigation lines and valves shall be installed within property lines.
9. Sleeves: Place sleeves as indicated on Drawings. Provide Sch 40 PVC with a minimum coverage of 24 inches measured from the top of pipe to finished grade. Extend pipe 24 inches beyond edges of pavement and permenantly mark curbs at locations. Do not paint.
10. Flumes: Where irrigation lines run under flumes, either install lines in sleeves or bore under flume.
11. Risers: Above ground risers shall be measured from finished grade to the top of sprinkler head. Provide Sch 80 PVC with threaded ends. Stake risers higher than 12 inches with #3 Re-Bar and attach with black plastic electrical ties every 12 inches.
12. System Design: System is designed to operate with 35 PSI furnished at each sprinkler head. Prior to installation, verify water pressure and G.P.M. flow to insure proper operation and spray patterns of heads. Notify Engineer if water pressure is inadequate.
13. Valve Boxes: Provide Ametek Valve Boxes for each remote control valve and control wire splices.
14. Spray Patterns: Adjust spray patterns so as not to fog or throw water onto adjacent pavements.
15. PEB Valve Adjustments: Field adjust valves to prevent fogging at heads. Set 1800 Series heads at 30 PSI and Rotor heads at 35 PSI.
16. Property Lines: Irrigation lines shown are diagrammatic. Place all lines and sleeves inside property lines.
17. Tee's: Where a larger pipe tee's into a smaller pipe, the tee shall be equal in size to the larger pipe.
18. Winterizing System: Entire system shall be winterized prior to freezing weather by completely flushing all water out of irrigation lines, and draining all valves, sprinkler heads, and backflow prevention devices. Winterizing shall be performed by a competent sprinkler irrigation contractor familiar with the proper procedures.

DEVELOPER:
F.D. DELTA T DEVELOPMENT, LLC
PMB 102
3331 Rainbow Drives, Suite E
Rainbow City, AL 35906
Tel.: (256) 504-6419 & (256) 613-3267

F.D. Project #
FAMILY DOLLAR STORE
104'X80'

REGISTERED PROFESSIONAL ENGINEER
EDWARD O. PERMAN JR.
PE-8531
DATE
NORTH DAKOTA
SEAL

NO.	DATE	REVISIONS	DWN	CKD	APPRV'D

DRAWN BY: DT	DATE	CHECKED BY: EOP	DATE
DESIGNED BY: EOP	DATE		

PECO
PERMAN ENGINEERING CO., LLC
Engineers-Contractors-Developers
2425 Lumbley Rd.
Rainbow City, Al. 35906
Tel. (256) 413-0433
Fax: (256) 442-0161
E-mail: EDDIE@PERMANENG.COM

IRRIGATION PLAN

LINTON, ND

SCALE:	SHEET NO.	PROJECT NAME:
1"=20'	C3	LINTON
DATE: 4/1/14		PECO PROJECT # FD130228 — REV. 0