LEGEND

- IRRITROL 533 SERIES PRESSURE COMPENSATING BUBBLER NOZZLE.
- HUNTER PROS-04 SERIES POP UP SPRAY HEAD WITH PRO SPRAY SERIES NOZZLE AS NOTED BELOW
- HUNTER PGP SERIES ROTOR HEAD
- LANDSCAPE PRODUCT DRIP TUBE (.9 GPH) IN SHRUB BED INSTALLED AT 2" BELOW BOTTOM OF MULCH
- HUNTER PGV SERIES ELECTRIC REMOTE CONTROL VALVE
- HUNTER PGV SERIES ELECTRIC REMOTE CONTROL VALVE "TREE BUBBLER ZONE" VALVE
- HUNTER PGV SERIES ELECTRIC REMOTE CONTROL VALVE WITH "ACCU-SET" PRESSURE REGULATOR AND SAME SIZE NETAFIM TECH FILTER - FOR "DRIP" ZONES SET REGULATOR AT 30 P.S.I.
- FEBCO 850-100 SERIES D.C.A INSTALLED PER CITY CODE, WITH SAME SIZE WATTS 6000 SERIES BRONZE BALL VALVE AND WATTS 777 SERIES BRONZE WYE FILTER WITH STAINLESS STEEL SCREEN
- IRRIGATION WATER METER AND TAP, SIZE AS NOTED ON THE PLAN
- HUNTER PRO-C CONTROLLER WITH HARD-WIRED MINI-CLIK RAIN AND FREEZE SENSOR LOCATED AS FIELD DIRECTED BY THE GENERAL CONTRACTOR
- CLASS 200 PVC MAINLINE PIPE
- CLASS 200 LATERAL LINE PIPE
- 6" SCH 40 SLEEVE PIPES

I.I.C. SHALL SELECT APPROPRATE NOZZLES AS TO HAVE HEAD TO HEAD COVERAGE.
FOR MINIMUM OVERSPRAY ONTO WALLS AND WALKS. NO OVERSPRAY INTO STREETS IS PERMITTED.

REVISIONS

Date	Description

STATE OF TEXAS
Nathan J. Gitlin
12782
LICENSED IRRIGATOR
04/08/16

CEDAR PARK FIRST UNITED METHODIST CHURCH
600 WEST PARK ST, CEDAR PARK, TX

IRRIGATION PLAN

DATE: 04-08-16

SCALE = 1"=20'-0"

TEXAS ECOGROW LLC

Sheet: I1 of I2

JOB#: E007-46

TRENCH DETAIL

SLEEVE DETAIL

WALL MOUNT CONTROLLER

VALVE ASSEMBLY W/ DECODER

POP-UP SPRAY HEAD

ROTOR HEAD DETAIL

TREE BUBBLER DETAIL

DRIP DETAIL

DRIP ZONE VALVE ASSEMBLY W/ DECODER

DRIP ZONE INDICATOR

LINE FLUSHING VALVE

DRIP CENTER FEED LAYOUT

DRIP ISLAND LAYOUT

** CONFIRM WITH LOCAL MUNICIPALITY CODES AND REQUIREMENTS BEFORE INSTALLATION

WATER METER - BALL VALVE - WYE STRAINER - BACKFLOW ASSEMBLY - MASTER VALVE

IRRIGATION CONSTRUCTION NOTES

1. IRRIGATION INSTALL TO BE COORDINATED WITH LANDSCAPE PLAN AND FIELD CONDITIONS TO PROVIDE COMPLETE HEAD TO HEAD COVERAGE W/ MINIMUM TO NO OVERSPRAY. ALL ADJUSTMENTS TO BE MADE BY CONTRACTOR AT NO ADDITIONAL COST.
2. L.I.C. SHALL SECURE ANY NECESSARY PERMITS REQUIRED FOR THEIR SCOPE AND FOLLOW AT ALL TIMES ALL LOCAL AND STATE ORDINANCES. ANY DISCREPANCIES SHALL BE DISCUSSED PRIOR TO CONSTRUCTION.
3. L.I.C. TO CONFIRM MINIMUM STATIC WATER PRESSURE OF 65 PSI AT HIGHEST ELEVATION AND MAXIMUM STATIC WATER PRESSURE OF 90 P.S.I. AT LOWEST ELEVATION OF SYSTEM PRIOR TO CONSTRUCTION. CONTACT CLIENT / GENERAL CONTRACTOR IF STATIC WATER PRESSURE IS OUTSIDE OF MINIMUM RANGE.
4. MAINLINE PIPE TO BE INSTALLED AT A MINIMUM DEPTH OF 18" AND LATERAL PIPES A MINIMUM OF 12". HAND TRENCHING ALLOWED ONLY IN EXISTING ROOTS ZONES WITH MACHINE TRENCHING STRICTLY PROHIBITED. ALL TRENCHES AND HOLES TO BE BACKFILLED AND COMPACTED TO ORIGINAL GRADE.
5. ALL LANDSCAPE AREAS RECEIVING DRIP IRRIGATION TO BE INSTALLED AT 18" SPACING MAX.
6. ALL TURF AREAS RECIVING DRIP IRRIGATION TO BE INSTALLED AT 12" SPACING MAX.
7. ALL IRRIGATION PIPE SHOWN IN IMPERVIOUS ARES ON PLAN TO BE INSTALLED IN SLEEVING. SOME PIPE MAY APPEAR OUTSIDE NOTED SLEEVING FOR LEGIBILITY.
8. ELECTRICAL POWER SHALL BE PROVIDED BY GENERAL CONTRACTOR WITHIN FIVE (5) FEET OF FINAL CONTROLLER LOCATION. L.I.C. TO PROVIDE FINAL INSTALLATION OF CONTROLLER AFTER FIVE (5) FEET.
9. VALVE WIRE SHALL BE A MINIMUM OF 24 VOLT, #14 GAUGE, SINGLE CONDUCTOR "IRRIGATION WIRE" U.F. APPROVED FOR DIRECT BURIAL. WIRE SPLICES SHALL INCLUDE DBY CONNECTORS AS RECOMMENDED BY 3M COMPANY. ALL SPLICES SHALL BE LOCATED IN VALVE BOXES FOR FIELD INSPECTION.
10. A DECODER GROUND ROD SHALL BE INSTALLED WITHIN A VALVE BOX AT A MINIMUM OF EVERY 500 L.F.
11. ALL VALVE BOXES TO BE INSTALLED FLUSH WITH FINISHED GRADE.
12. ALL ROTARY HEADS SHALL BE INSTALLED WITH RIGID SCH .80 PVC SWING JOINTS.
13. ALL SPRAY HEADS SHALL BE INSTALLED WITH A MINIMUM 12" LENGTH OF FLEX PIPE.
14. TREE BUBBLERS HAVE BEEN SHOWN ON PLAN WITHOUT LATERAL PIPE FOR LEGIBILITY. REF. DETAIL FOR CORRECT INSTALLATION.
15. L.I.C. TO CONTACT LOCAL 811 AND LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION.
16. FINAL LOCATION OF BACKFLOW PREVENTERS, CONTROLLERS AND WEATHER SENSORS SHALL BE APPROVED BY BOTH GENERAL CONTRACTOR AND LANDSCAPE ARCHITECT / OWNERS REPRESENTATIVE.
17. ALL HEADS SHALL BE INSTALLED A MINIMUM OF 6" FROM PAVEMENTS EDGE (OR AS REQUIRED BY ORDINANCE).
18. ADJUST SPRINKLERS TO MINIMIZE OVERSPRAY ONTO IMPERVIOUS SURFACES.
19. CHECK VALVES TO BE USED AS NEEDED TO PREVENT LOW-HEAD DRAINAGE.
20. PIPE TO BE SIZED SUCH THAT FLOW WILL NOT EXCEED VELOCITY OF 5 FEET PER SECOND.
21. PVC PIPE JOINTS TO BE PRIMED WITH PURPLE PRIMER PRIOR TO APPLYING PVC CEMENT.

IRRIGATION LEGEND

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- HUNTER PGV SERIES ELECTRIC REMOTE CONTROL VALVE WITH FLOW CONTROL "TREE BUBBLER ZONE"
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- CLASS 200 PVC MAINLINE PIPE (REF. PLAN FOR SIZE)
- CLASS 200 LATERAL LINE PIPE; (CLASS 315 FOR 1/2" PIPE) (REF. PLAN FOR SIZE)
- 6" SCH 40 SLEEVE PIPES

L.I.C. SHALL SELECT APPROPRATE NOZZLES AS TO HAVE HEAD TO HEAD COVERAGE.
FOR MINIMUM OVERSPRAY ONTO WALLS AND WALKS. NO OVERSPRAY INTO STREETS IS PERMITTED.

DRIP VALVE KEY

CONTROLLER ZONE

VALVE SIZE

FLOW IN GPM / GPH

L.F. OF DRIP TUBE

REVISIONS	
Date	Description

STATE OF TEXAS
Nathan J. Gitlin
12782
LICENSED IRRIGATOR
04/08/16

CEDAR PARK FIRST UNITED METHODIST CHURCH
600 WEST PARK ST, CEDAR PARK, TX

IRRIGATION NOTES AND DETAILS

DATE: 04-08-16

SCALE = AS SHOWN

TEXAS ECOGROW LLC

Sheet:
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JOB#: E007-46