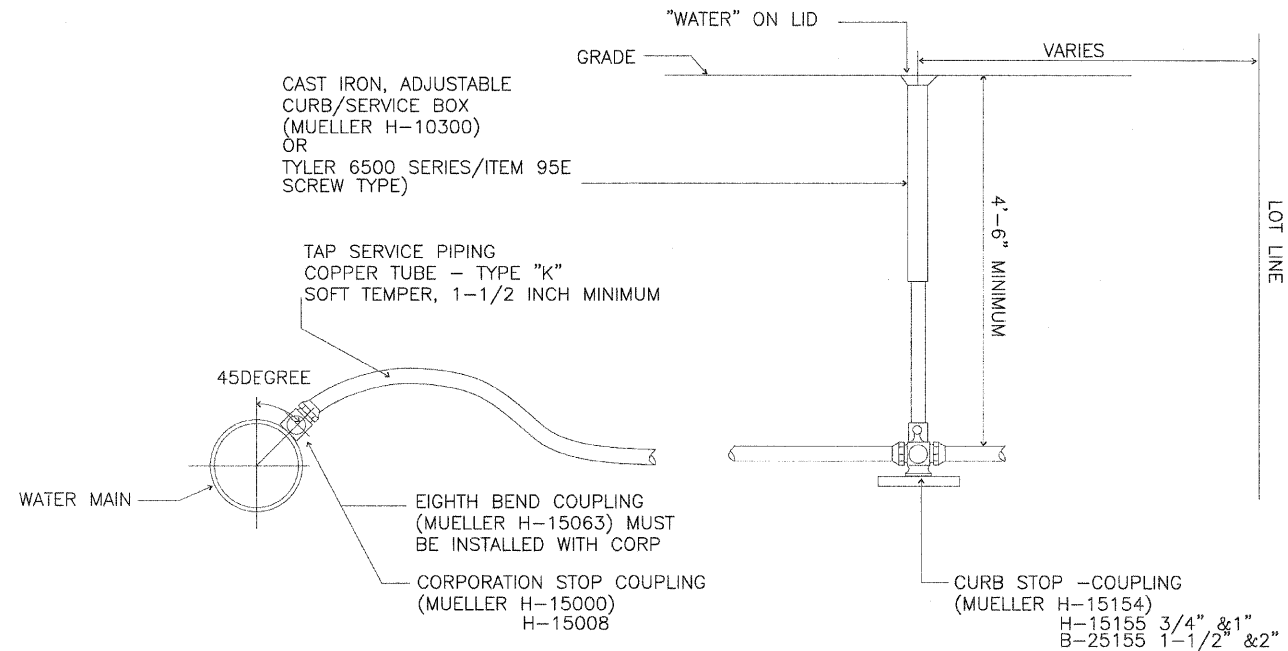


## GENERAL IRRIGATION NOTES

- CONTACT ALL UTILITIES AND ENGINEER AT LEAST 5 DAYS PRIOR TO THE START OF CONSTRUCTION.
- MAINTAIN ALL CODES REQUIRED BY STATE AND LOCAL AUTHORITIES.
- COORDINATE ELECTRICAL HOOKUP WITH OTHER TRADES, ELECTRICIAN AND ENGINEER THE CONTROLLER WILL BE A STAND ALONE MOUNT WITH ELECTRICAL BROUGHT TO THE CONTROLLER LOCATION THE IRRIGATION CONTRACTOR WILL BE RESPONSIBLE FOR CONNECTIONS FROM THE POWER DROP TO THE CONTROLLER.
- COORDINATE ALL SLEEVES AND PENETRATIONS WITH OTHER TRADES.
- IRRIGATION CONTRACTOR IS RESPONSIBLE FOR BORES, SLEEVES OR PENETRATIONS RELATED TO THE IRRIGATION.
- INSTALL ALL PIPING AND FITTINGS USING GLUE METHODS CONSISTENT WITH MANUFACTURER'S RECOMMENDATIONS.
- MAINLINE PIPING SHALL BE INSTALLED AT MINIMUM OF 12" LATERAL LINES SHALL BE INSTALLED AT A MINIMUM DEPTH OF 12"..
- CAP OR PLUG ALL OPENINGS AS SOON AS LINES ARE INSTALLED TO PREVENT DEBRIS IN THE LINE.
- THOROUGHLY FLUSH ALL LINES PRIOR TO THE OPERATION OF SPRINKLER HEADS.
- INSTALL WIRES A MIN. OF 10" BELOW GRADE.
  - SPLICES ARE NOT ALLOWED IN THE TRENCH.
  - PROVIDE A 24" EXPANSION LOOP AT EACH CHANGE IN DIRECTION.
  - 5 FEET OF EXCESS DECODER WIRE IS TO BE AT EACH DECODER LOCATION FOR EASE OF ACCESS.
- THE IRRIGATION SYSTEM SHALL BE TESTED AT OPERATING PRESSURE FOR A MINIMUM OF 4 HOURS. REPAIR ALL LEAKS AND RETEST AFTER CURING.
- UPON COMPLETION OF TEST, COMPLETE ASSEMBLY OF ALL EQUIPMENT AND SPRINKLERS FOR PROPER DISTRIBUTION.
- PROVIDE 'AS BUILT' DRAWINGS SHOWING ALL COMPONENTS OF THE SYSTEM PRIOR TO FINAL PAYMENT. PROVIDE FINAL GPM OF ZONES, WIRE RUNS, HEADS, VALVES, PIPE SIZES ETC..
- SLEEVE UNDER ROAD, WALLS, PAVERS, AND DRIVES
  - SLEEVE WIRE AND PIPING SEPARATELY, SEE PLAN FOR SIZING
- ALL GASKETED PRESSURE PIPE AND FITTINGS SHALL BE THRUST BLOCKED. NO CONCRETE PREFORMED BLOCKS WILL BE ALLOWED.
- ALL EXISTING UTILITIES WHICH ARE NOT SHOWN ON THESE DOCUMENTS WHICH NEED TO BE REMOVED, RELOCATED AND/OR ADJUSTED SHALL BE THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR.
- ALL BIDDERS SHALL VISIT AND REVIEW THE SITE AND FAMILIAR THEMSELVES WITH THE SITE THE SITE PRIOR TO SUBMITTING A BID.
- CONTRACTOR TO PROVIDE BLOW OUT TAP AFTER RPZ UNIT.
- CONTRACTOR IS RESPONSIBLE FOR SUBMITTING AND ACQUIRING ALL PERMITS
- PRIOR TO INSTALLATION, FIELD TEST THE SYSTEM PRESSURE AT THE POINT OF CONNECTION THE SYSTEM IS BASED ON GPM AND PRESSURE FURNISHED BY OTHERS, CONTRACTOR IS RESPONSIBLE TO VERIFY PRESSURE IS AT LEAST 60 STATIC PSI AND NOTIFY OWNER IF PRESSURE IS LOWER.
- DRAWING IS SCHEMATIC, FIELD ADJUSTMENTS MAY BE NEEDED. LOCATE ALL MAIN LINES AND LATERAL LINES IN TURF OR PLANTING AREAS. COMPONENTS ARE DRAWN OUTSIDE OF AREAS FOR EASE OF READING.
- WATER METER WILL BE PROVIDED BY THE OWNER, COORDINATE WITH DON LANGE @ 630-368-5280.
- CONTRACTOR TO VERIFY THAT THE EXISTING B BOX/CURB STOP IS SELF DRAINING, IF NOT PROVIDE A SELF DRAINING B BOX/CURB STOP BETWEEN TAP AND IRRIGATION SYSTEM FOR WINTERIZATION.



NOTE: MUELLER BRONZE SERVICE SADDLE-DOUBLE STRAP WITH AWWA TAPER (CC) THREAD, BASE CATALOG NUMBER BR2B SERIES SHALL BE PROVIDED IN ALL CASES.

## 1 WATER SERVICE CONNECTION

NTS

## LEGEND

- RAINBIRD 1812 SAM-PRS OR EQUAL SPRAY HEAD NOZZLES XPCN FULL
- CL 200 PVC PIPE - MAINLINE, SEE PLAN FOR SIZES
- 1" & 1 1/2" PE PIPE
- HUNTER I-CORE 12 STATION OR EQUAL WITH PLASTIC PEDESTAL CONTROLLER AND SOLAR SYNC. MOUNT SOLAR SYNC IN PEDESTAL COORDINATE WITH OWNER FOR MOUNTING LOCATION, INSTALL AND GROUND TO MANUFACTURER'S RECOMMENDATIONS AND DETAILS CONTRACTOR RESPONSIBLE FOR PROVIDING POWER FROM TAP DROP TO CONTROLLER CONTROLLER IS TO BE LOCATED IN A GS-NP-1 ENCLOSURE BY BPDI OR EQUAL. COLOR TO BE DARK GREEN. INSTALL ENCLOSURE PER MANUFACTURER'S RECOMMENDATIONS.
- EXTRA WIRE DROP, LABEL AND LOCATE IN ADJACENT VALVE BOX.
- ISOLATION GATE VALVE - SIZE TO PIPE
- HUNTER PGV OR EQUAL ELECTRIC VALVES - SIZE PER PLAN
- BLOW OUT TAP WITH PLUG
- RPZ BACKFLOW PREVENTER AND METER - PROVIDED BY THIS CONTRACTOR. RPZ AND METER ARE TO BE LOCATED IN A ENCLOSURE BY BPDI OR EQUAL. COLOR TO BE DARK GREEN CONTRACTOR IS RESPONSIBLE TO ENSURE THAT THE METER AND BACKFLOW FIT IN THE ENCLOSURE. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. IF A LARGER ENCLOSURE IS NEEDED, THE CONTRACTOR IS RESPONSIBLE TO PROVIDE IT.
- POINT OF CONNECTION - COORDINATE WITH OWNER & GENERAL CONTRACTOR IRRIGATION TAP IS TO BE 1.5" & 1". FOLLOW STATE AND LOCAL CODES FROM TAP THROUGH BACKFLOW PREVENTER, METER AND SYSTEM.
- 2" PIPE SIZE
- PVC Class 200 SLEEVE IN LANDSCAPE - SIZE PER PLAN

4"/2" SLEEVE  
WIRE SLEEVE SIZE  
PIPE SLEEVE

CONTROLLER NUMBER PULSE WIRE COLOR CODE #14 GAUGE  
STATION NUMBER Valve #  
1-24 11471013  
1-35 21581114  
ZONE GPM  
VALVE SIZE ORANGE 16191215  
White - COMMON #14 GA.

G:\HITCHCOCK\22ND2011\04 - STANDARD\04-IRRIG\0117.19.11.DWG (R3)  
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DESIGNED - DPF  
DRAWN - DPF  
CHECKED - TCK  
DATE - 12-19-11

REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

## IRRIGATION LEGEND AND NOTES

SCALE: N/A

PROJECT NO: 03-0745-008 STA. 2106+83.00 TO STA. 2106+83.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1453	11-00043-000-LS	DUPAGE	20	15
63663				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT TE-0001 (872)				