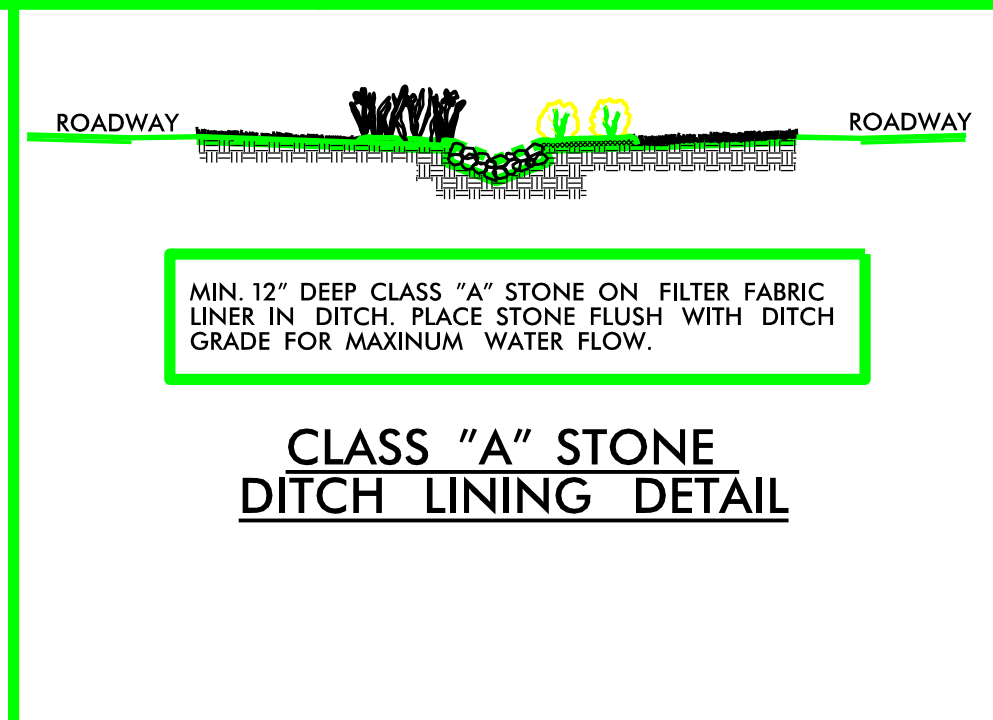
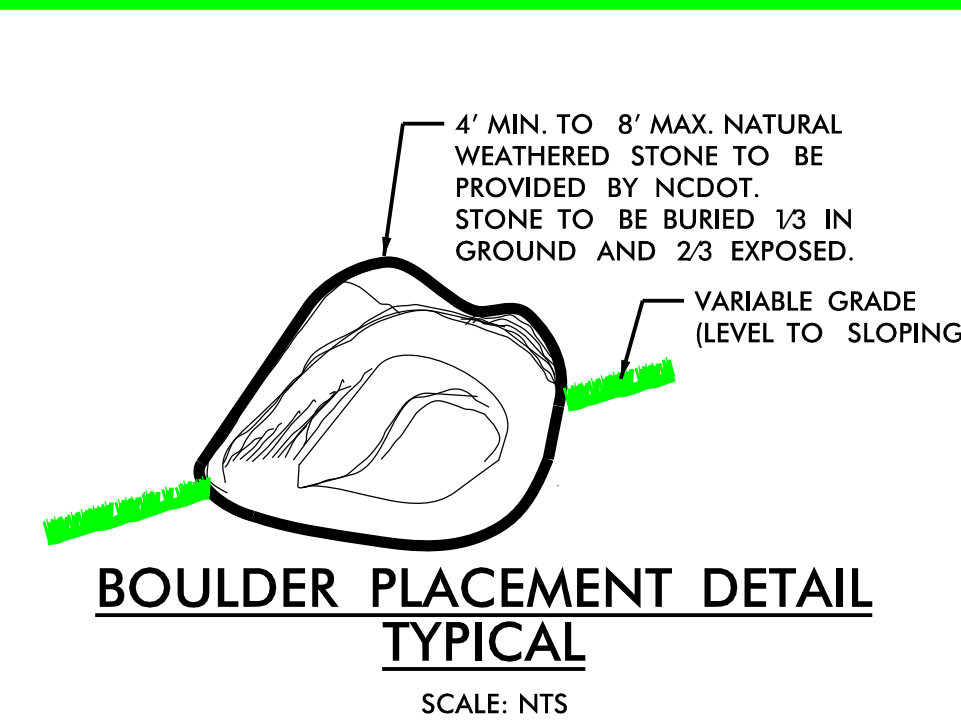
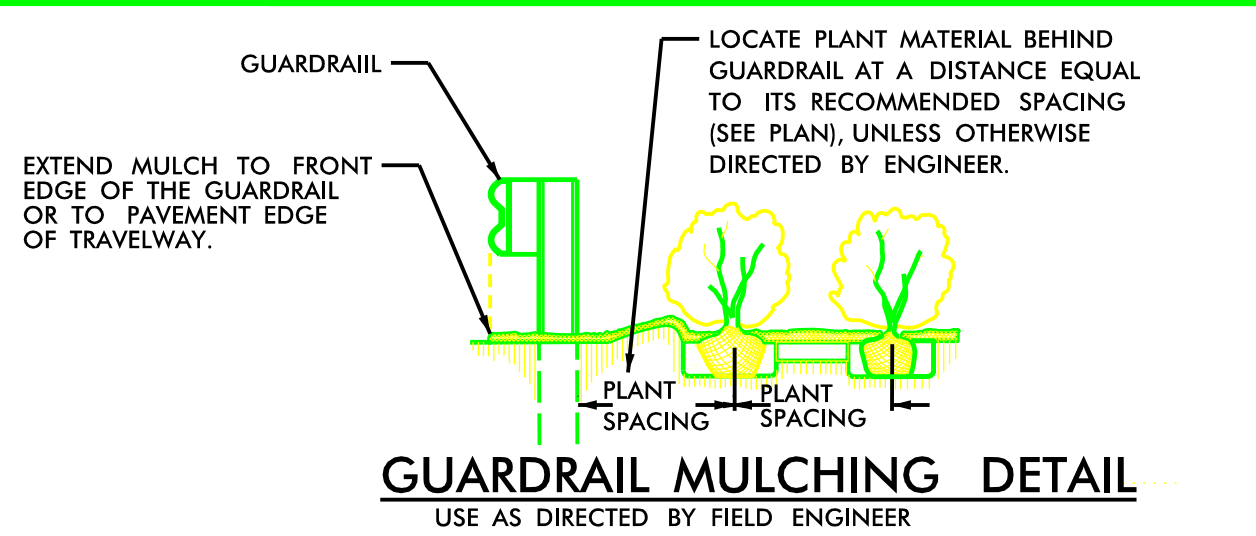
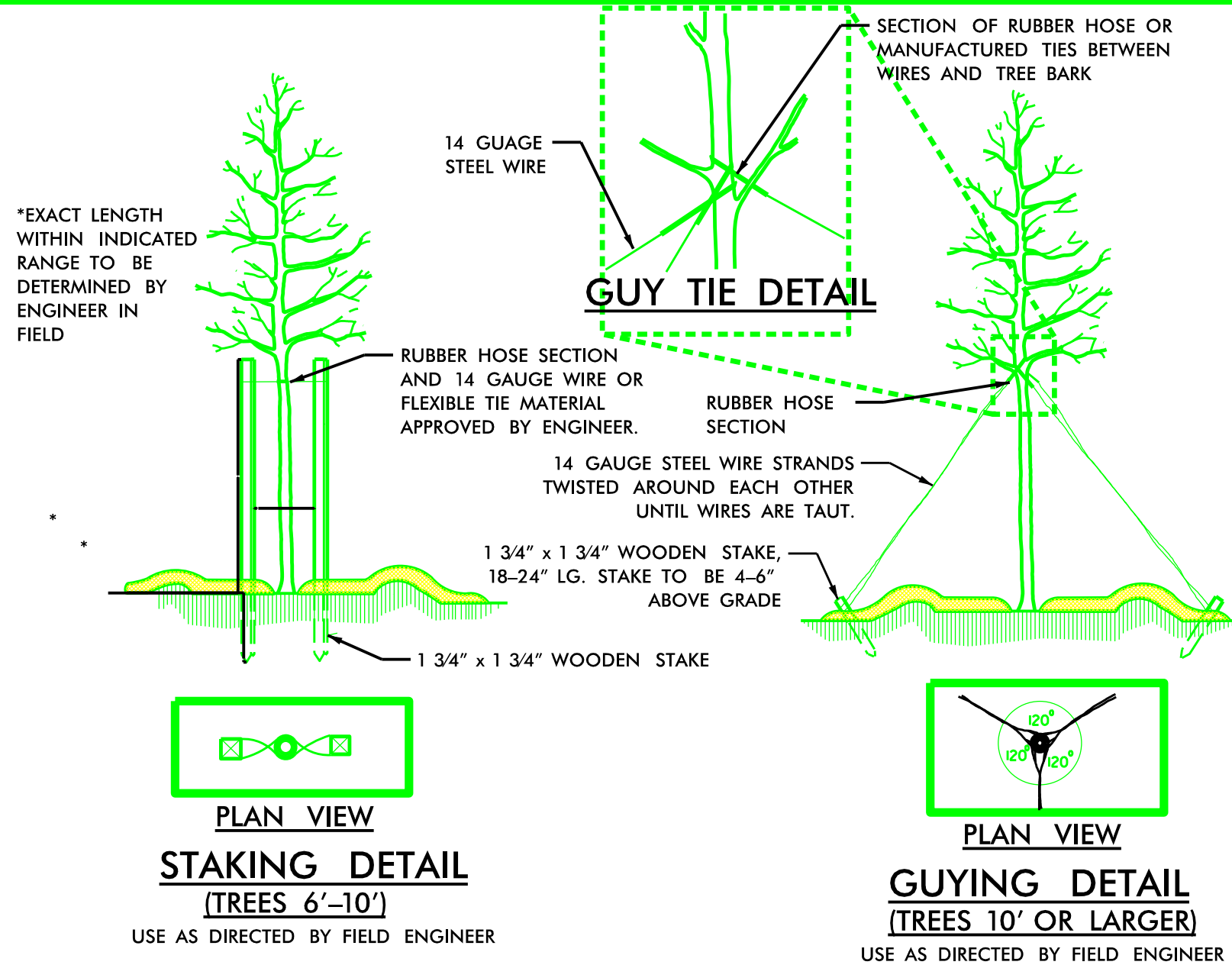
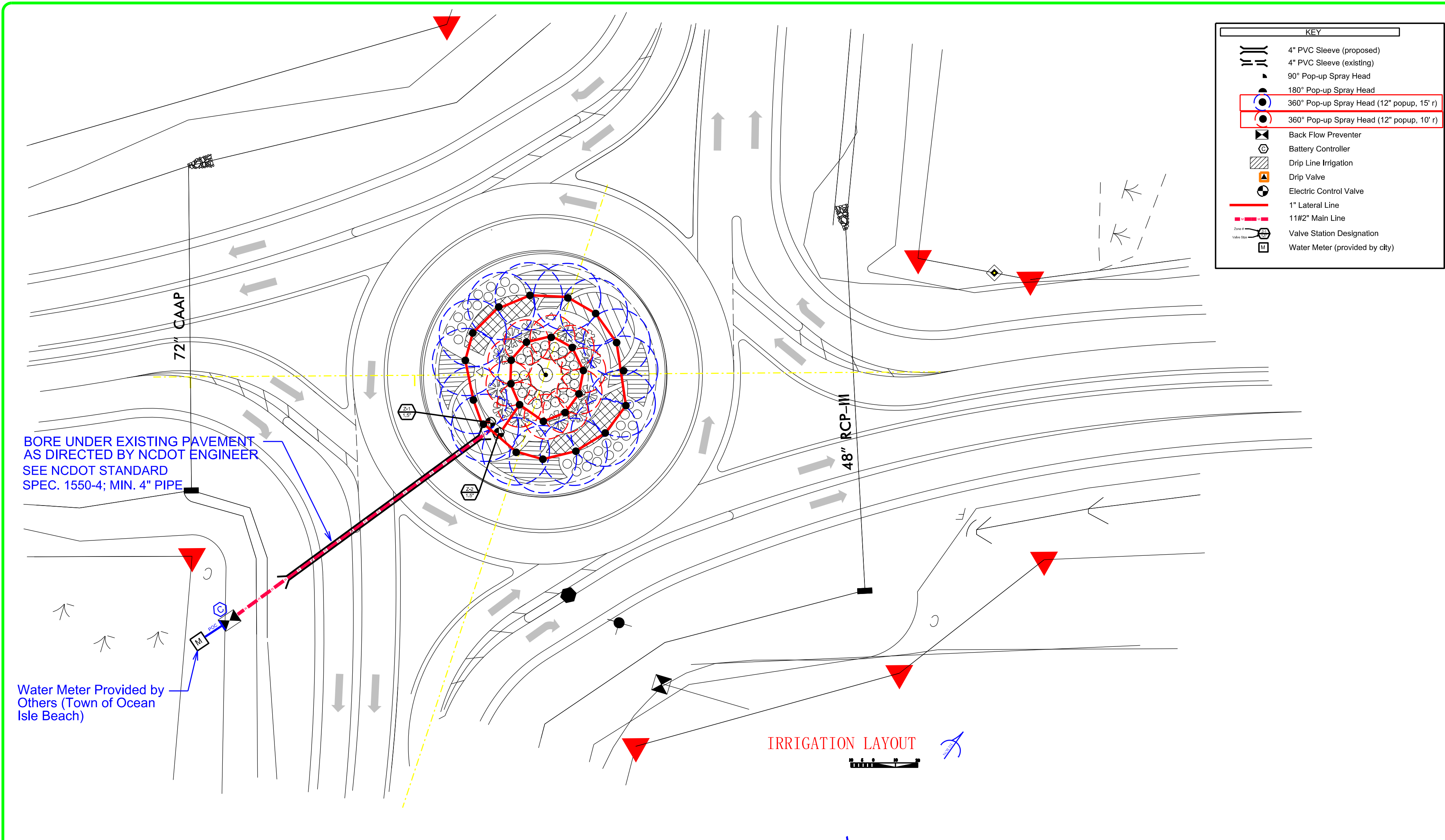


- NOTES:**
- SCHEDULE FOR PLANT HOLE SIZE: PLANT HOLE WIDTH (X) TO BE TWICE THE ROOT BALL SIZE OR CONTAINER DIAMETER.
  - SEE STANDARD SPECIFICATIONS FOR PLANT BED FUMIGATION AND HERBICIDAL TREATMENT.
  - APPLY FERTILIZER AT PLANTING TIME IN THE FORM OF A SLOW RELEASE PELLET OR TABLET. APPLY AT RATE RECOMMENDED BY MANUFACTURER. BOTH RATE AND FORMULATION MUST BE APPROVED BY FIELD ENGINEER PRIOR TO APPLICATION.
  - REMOVE WIRE BASKET AND FOLD BURLAP BACK FROM TOP OF ROOT BALL BEFORE BACKFILLING IS COMPLETE.
  - ALL PRUNING TO FOLLOW STANDARD ARBORICULTURAL PRACTICES AS SPECIFIED BY INTERNATIONAL SOCIETY OF ARBORICULTURE.
  - DO NOT ATTEMPT TO STRAIGHTEN A TREE THAT HAS BEEN PLANTED AT AN ANGLE WITH THE USE OF STAKING OR GUYING. DIG TREE AND REPLANT TO UPRIGHT POSITION.







KEY	
	4" PVC Sleeve (proposed)
	4" PVC Sleeve (existing)
	90° Pop-up Spray Head
	180° Pop-up Spray Head
	360° Pop-up Spray Head (12" popup, 15' r)
	360° Pop-up Spray Head (12" popup, 10' r)
	Back Flow Preventer
	Battery Controller
	Drip Line Irrigation
	Drip Valve
	Electric Control Valve
	1" Lateral Line
	1.5" Main Line
	Valve Station Designation
	Water Meter (provided by city)

BORE UNDER EXISTING PAVEMENT AS DIRECTED BY NCDOT ENGINEER SEE NCDOT STANDARD SPEC. 1550-4; MIN. 4" PIPE

Water Meter Provided by Others (Town of Ocean Isle Beach)

IRRIGATION LAYOUT



\$\$\$\$\$SYTIME\$\$\$\$\$  
\$\$\$\$\$USERNAME\$\$\$\$\$



NCDOT - Roadside Environmental Unit  
 Landscape Design & Development  
 1557 Mail Service Center Raleigh NC 27699-1557  
 ph: 919-707-2920 fax: 919-715-2554  
[http://www.ncdot.org/doh/operations/dp\\_chief\\_eng/roadside/](http://www.ncdot.org/doh/operations/dp_chief_eng/roadside/)

Landscape Development Plan  
 Ocean Isle Beach, NC



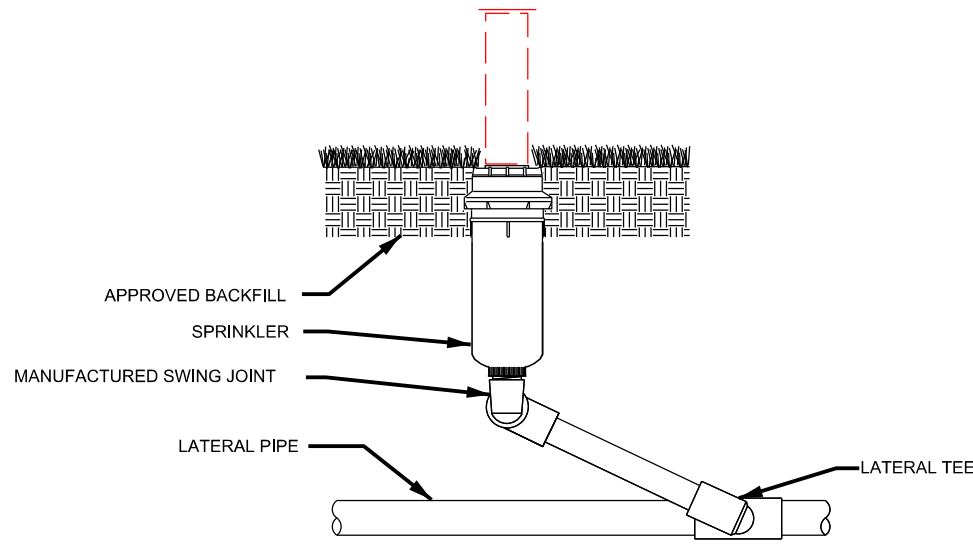
*RN Kopetsky*

prel. design date :	June/2017
checked by & date :	
final design date :	

Roundabout Landscape  
 Irrigation Plan

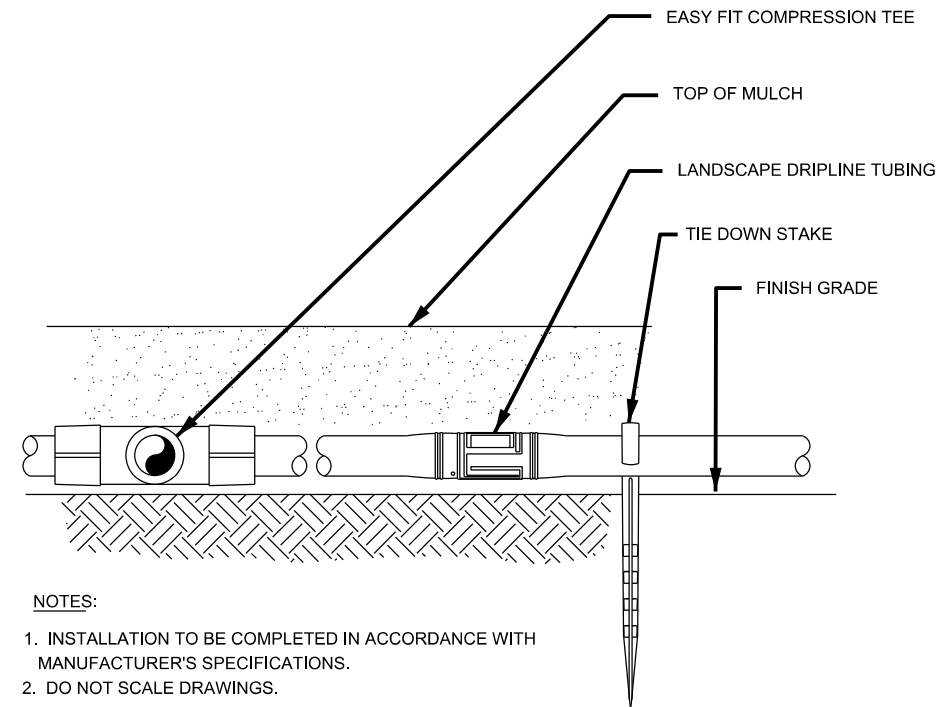


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FED I.D. #	
sheet no :	4
total sheet no :	7



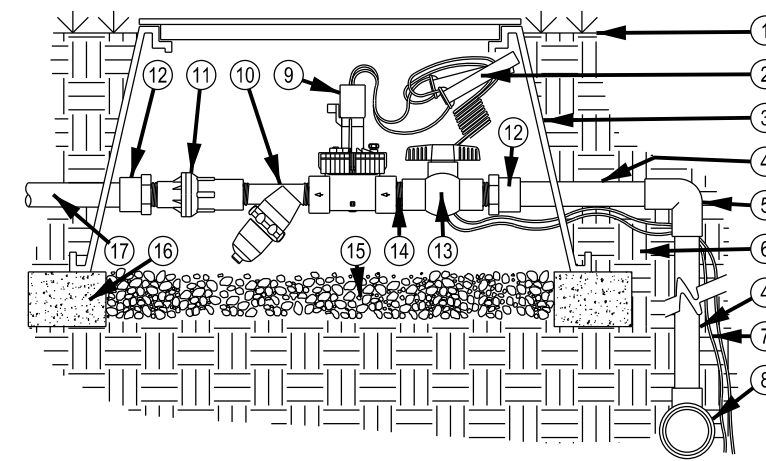
- NOTES:**
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
  2. DO NOT SCALE DRAWINGS.
  3. INSTALL SPRINKLER AT FINISHED GRADE.

**IR1 POP-UP SPRAY HEADS**  
SINGLE-STREAM SPRINKLER, SWING JOINT (NOT TO SCALE)



- NOTES:**
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
  2. DO NOT SCALE DRAWINGS.

**IR2 LANDSCAPE DRIPLINE ON GRADE**  
POTABLE SYSTEM (NOT TO SCALE)

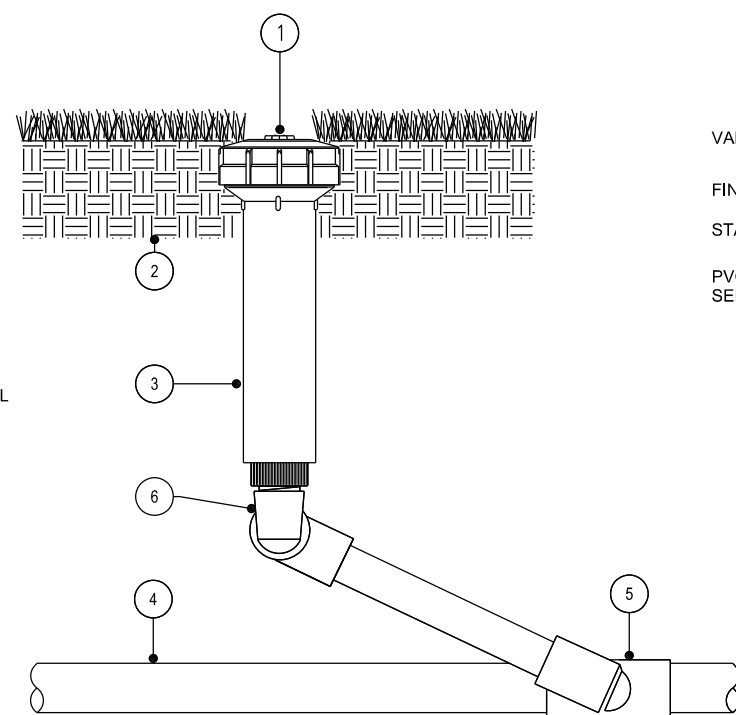


**LEGEND**

- |                                     |                                       |
|-------------------------------------|---------------------------------------|
| 1. FINISHED GRADE                   | 10. MESH SCREEN FILTER WITH FLUSH CAP |
| 2. WATERPROOF DRY SPLICE CONNECTORS | 11. ADJUSTABLE PRESSURE REGULATOR     |
| 3. 12" VALVE BOX WITH COVER         | 12. PVC SCH 40 FEMALE ADAPTER         |
| 4. PVC LATERAL LINE                 | 13. MANUAL VALVE                      |
| 5. SCH 40 PVC 90° ELL JOINT         | 14. PVC SCH 40 TRANSITION NIPPLE      |
| 6. NATIVE SOIL PER SPECIFICATIONS.  | 15. WASHED GRAVEL SUMP (MIN. 3")      |
| 7. CONTROL WIRES TO CONTROLLER.     | 16. BRICK SUPPORTS                    |
| 8. PVC MAINLINE FITTING.            | 17. LATERAL LINE TO DRIP SYSTEM.      |
| 9. REMOTE CONTROL VALVE             |                                       |

- NOTES:**
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.
  2. DO NOT SCALE DRAWINGS.

**IR3 DRIP ZONE ASSEMBLY**  
VALVE ASSEMBLY (NOT TO SCALE)

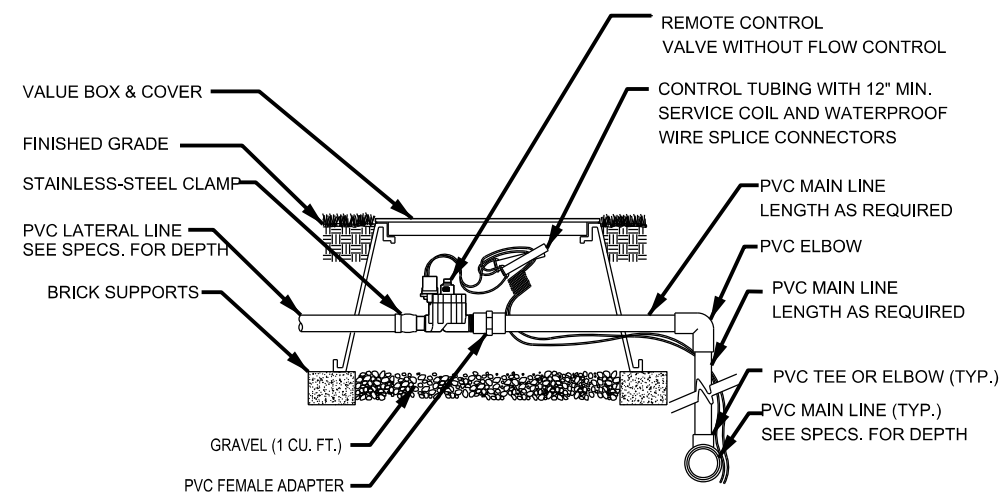


**LEGEND**

1. NOZZLE (SIZE PER PLAN)
2. APPROVED BACKFILL
3. SPRINKLER
4. LATERAL PIPE
5. LATERAL TEE
6. MANUFACTURED SWING JOINT

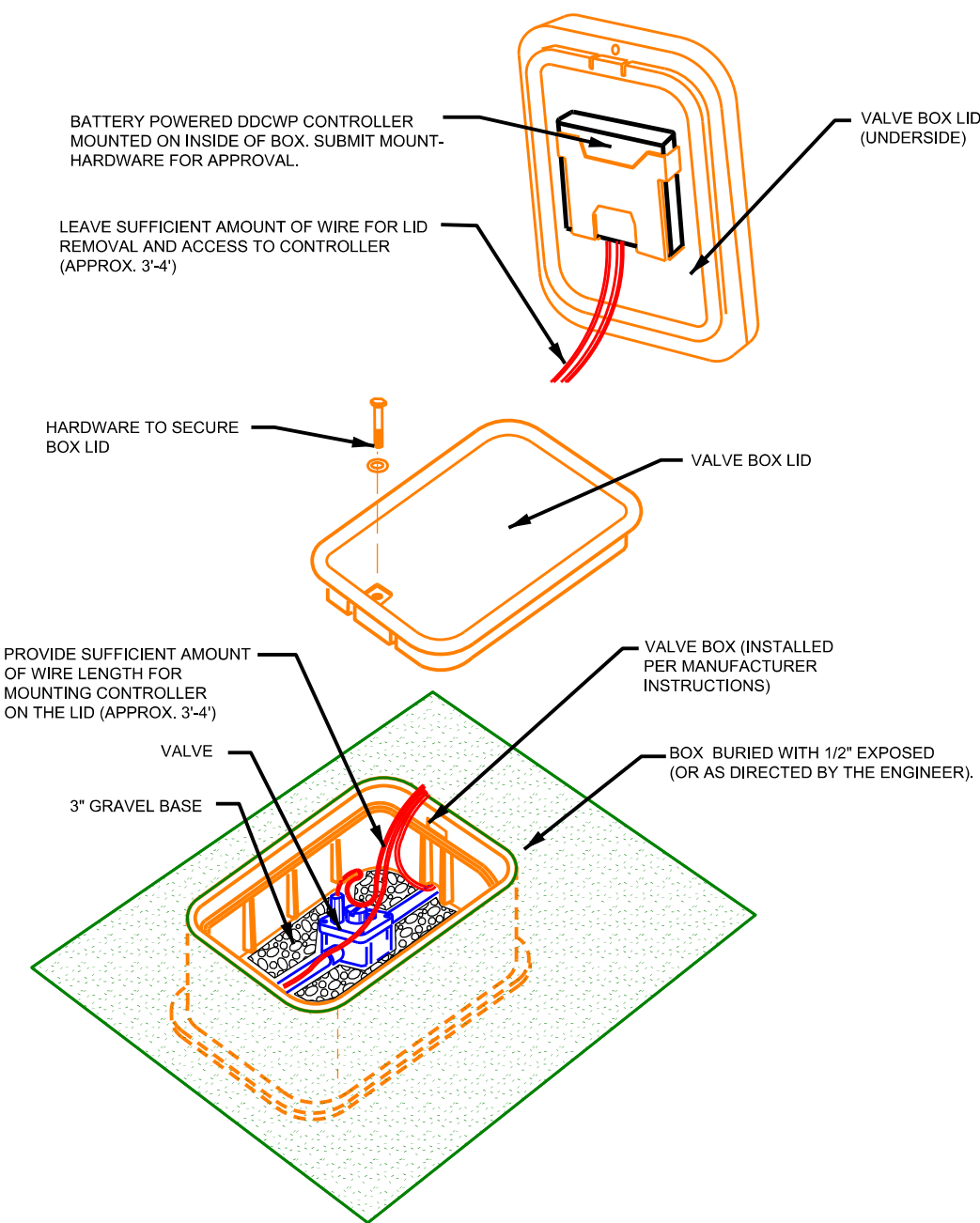
- NOTES:**
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  2. DO NOT SCALE DRAWINGS.
  3. INSTALL SPRINKLERHEAD AT FINISHED GRADE

**IR4 ROTOR SPRINKLER**  
4 INCH POP-UP (SWING JOINT) (NOT TO SCALE)



- NOTES:**
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.
  2. DO NOT SCALE DRAWINGS.

**IR5 VALVES & BOX**  
1" PLASTIC VALVE (NOT TO SCALE)



BATTERY POWERED DDCWP CONTROLLER MOUNTED ON INSIDE OF BOX. SUBMIT MOUNT-HARDWARE FOR APPROVAL.

LEAVE SUFFICIENT AMOUNT OF WIRE FOR LID REMOVAL AND ACCESS TO CONTROLLER (APPROX. 3'-4")

HARDWARE TO SECURE BOX LID

PROVIDE SUFFICIENT AMOUNT OF WIRE LENGTH FOR MOUNTING CONTROLLER ON THE LID (APPROX. 3'-4")

VALVE BOX (INSTALLED PER MANUFACTURER INSTRUCTIONS)

BOX BURIED WITH 1/2" EXPOSED (OR AS DIRECTED BY THE ENGINEER).

3" GRAVEL BASE

VALVE

VALVE BOX LID (UNDERSIDE)

VALVE BOX LID

VALVE BOX LID

VALVE BOX LID

VALVE BOX LID

VALVE BOX LID

**IR6 DDCWP CONTROLLER BOX LID MOUNT**  
BATTERY POWERED CONTROLLER (NOT TO SCALE)

**IR7 CONTROLLER WALL MOUNT**  
WALL-MOUNT CONTROLLER, METAL (NOT TO SCALE)

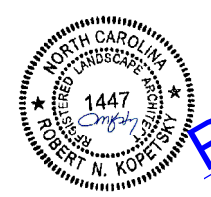
1. SMALL METAL CABINET WALL MOUNT IRRIGATION CONTROLLER SEE PLAN FOR NUMBER OF STATIONS.
2. 1/2" CONDUIT FOR ELECTRICAL POWER PER LOCAL AND NATIONAL ELECTRICAL CODES. OPTIONAL 3/4" KNOCK-OUT IF LARGER CONDUITS ARE USED.
3. OPTIONAL 1/2" KNOCK-OUT FOR RAIN SENSOR WIRE.
4. 2" CONDUIT FOR REMOTE CONTROL WIRES AND MV OR PUMP START WIRES. OPTIONAL 3" KNOCK-OUT IF LARGER WIRES ARE USED. SECURE TO WALL WITH APPROPRIATE PIPE CLAMPS.
5. 3/4" KNOCKOUT FOR EARTH GROUND WIRES.
6. MOUNTED NARROWBAND ANTENNA
7. FINISHED GRADE

- NOTES:**
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.
  2. MOUNT CONTROLLER ON EXISTING POST NEW PRESSURE TREATED POST, OR AS DIRECTED BY THE NCDOT ENGINEER.
  3. DRAWING NOT TO SCALE.

\$\$\$\$\$SYTIME\$\$\$\$\$  
\$\$\$\$\$USERNAME\$\$\$\$\$

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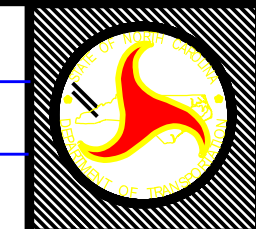
**Landscape Development Plan**  
**Ocean Isle Beach, NC**



**RN Kopetsky**

prel. design date :	June/2017
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final design date :	

Roundabout Landscape  
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