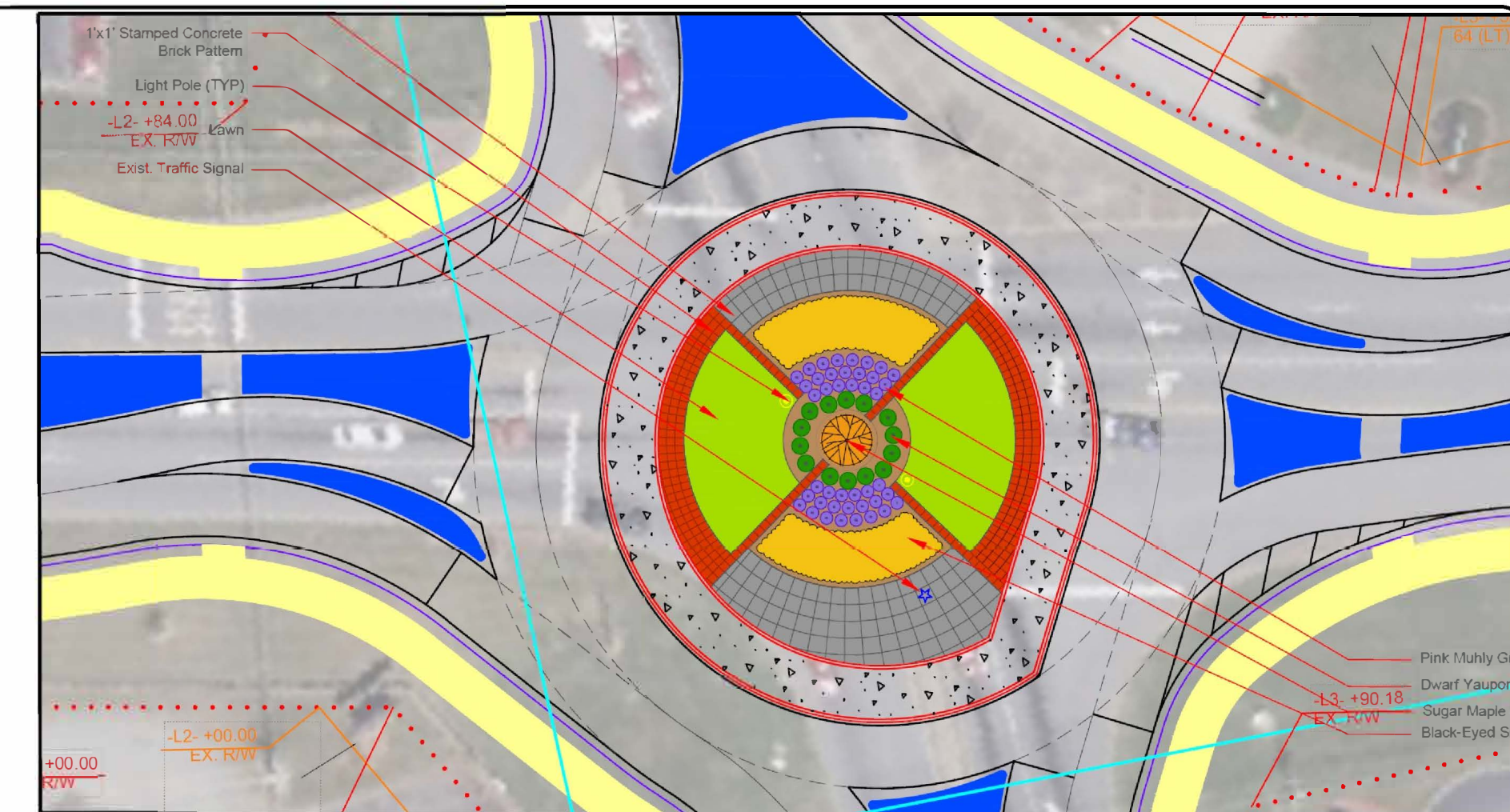
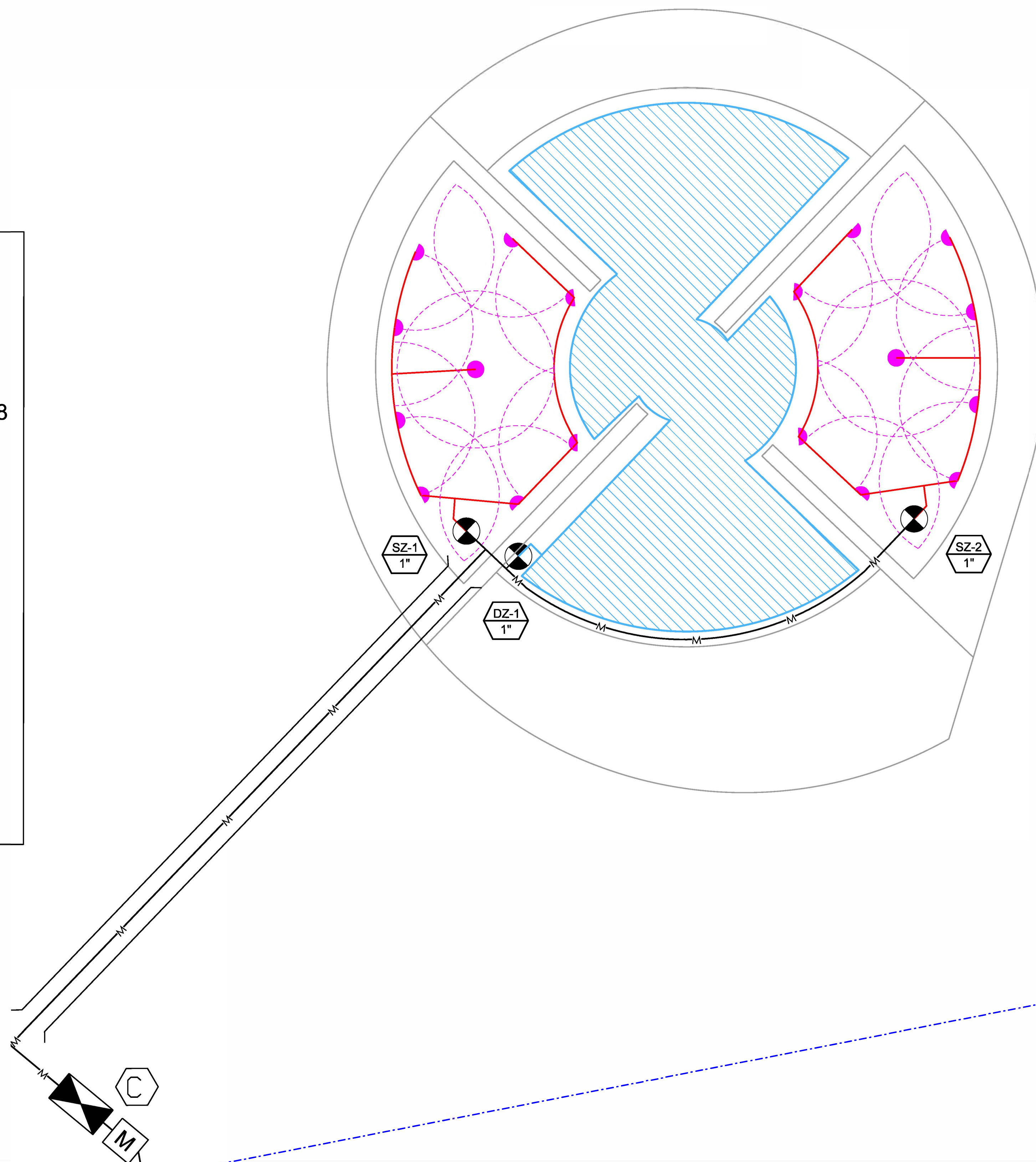


Meter Locations - 1
Backflow Preventers - 1
Battery Powered Controllers - 1
Drip Zone Valve (DZ) - 1
Spray Zone Valve (SZ) - 2
10' r Pop-up Rotator Spray Head - 18
Main Line Pipe - 165 SF 1 1/2"
Sleeve Pipe - 85 LF (4" Sleeve)
Drip Line - 1,100 LF (3/4" Tubing)

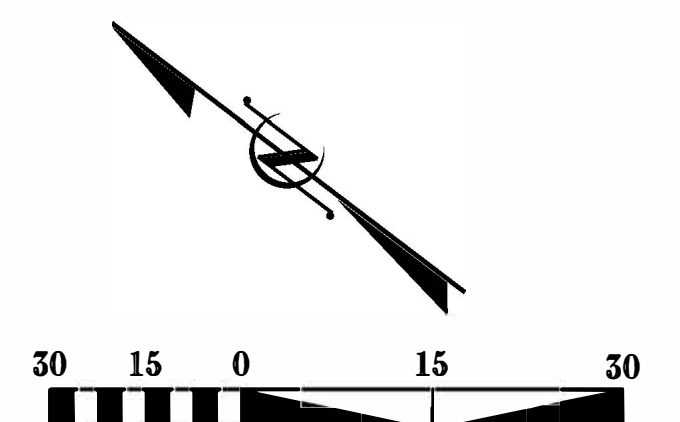
Quantities are estimated based on design drawings. Refer to plans for any discrepancies. Plans take priority over these estimated quantities. Estimated quantities do not cover all materials necessary for installation. Quantities may be adjusted slightly due to site conditions, specific irrigation equipment, and implementation.

DRIP IRRIGATION

- Drip irrigation can be 3/4" Netolom. Rainbird, or Orbit tubing with emitters spaced at 9" intervals for smaller plants & 12" intervals for larger plants at 1 gpm. An approved inline emitter drip line is to be installed under mulch in landscape areas as shown on the irrigation plan. Install all drip line before mulch is installed.
- Drip Valve Assembly, which includes a **Hunter**, Rainbird, or Toro remote control valve with flow control feature, a mesh filter , and a pressure regulator.
- All remote control valves shall be installed in high density polyethylene (HDPE) valve boxes with lids mounted at grade level. Single valves may be installed in smaller valve boxes with covers, while multiple valves (up to, 2 - 1" valves or 1 - 1 1/2") shall be installed in larger boxes with covers.
- Each system shall have a class 200, 1 1/2" supply header and a flush/exhaust header to maintain even flow throughout the system. Larger systems may require center feed supply headers.
- There should be a minimum of 2 emitters installed per shrub and 3 emitters installed per tree.
- All drip zones should have a drip system operation indicator head installed within them: so technicians can observe whether systems are functioning properly. If possible, place the indicator head towards the end of the drip line system in a visible area or as directed by the engineer.



Key Map



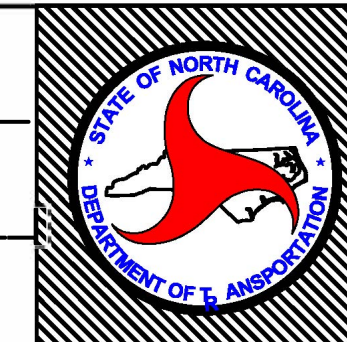
NCDOT - ROADSIDE ENVIRONMENTAL UNIT
AESTHETIC ENGINEERING SECTION
1557 MAIL SERVICE CENTER RALEIGH NC 27699-1557
PH: 919-707-2935 FAX: 919-715-2554
http://www.ncdot.org/doh/operations/dp.chief_eng/roadside/

HL0065: Rutherford US 221A Improvement
Railroad Ave & College Ave
TIP #: HL0065

SHEET DESCRIPTION:

PROJECT DESIGNER:	Azad Atashi, RLA
PROJECT TEAM:	A. Sumter & T. Dunston

Scale: 1" = 30'



SHEET NO :	TOTAL SHEET NO :
L-11	L-26