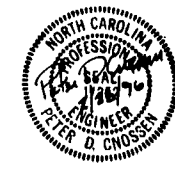


Brookstone Phase VIII - Storm Drainage Data

Inlet #	Intensity (in/hr)	Inlet Dr. Area (ac)	Total Dr. Area (ac)	C	Q10 (cfs)	Pipe (inches)	Min. Slope(%)
8	7.2	0.4	0.4	0.50	1.4	15	1.0
9	7.2	0.4	0.8	0.45	2.8	15	1.0
10	7.2	1.5	5.9	0.42	17.8	24	1.0
11	7.2	1.2	3.2	0.46	10.8	18	1.0
12	7.2	0.2	3.4	0.47	11.5	18	1.2
13	7.2	0.3	10.4	0.45	33.7	24	2.2

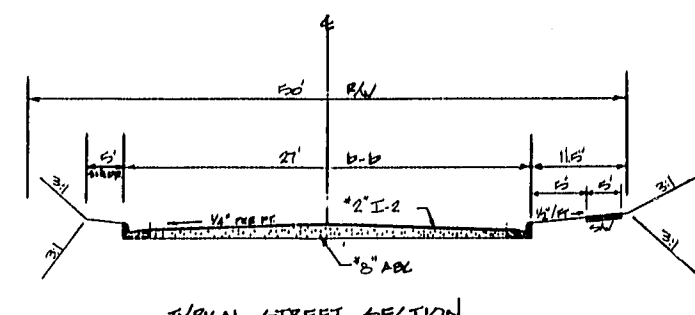
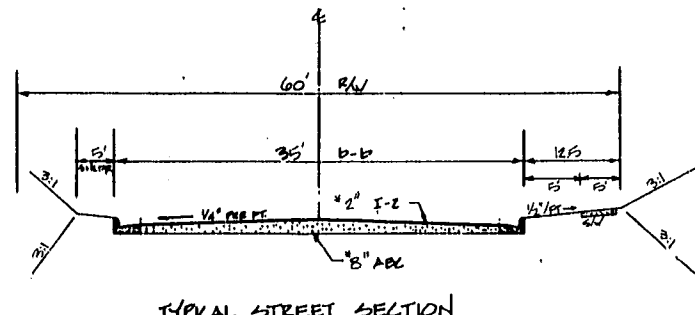
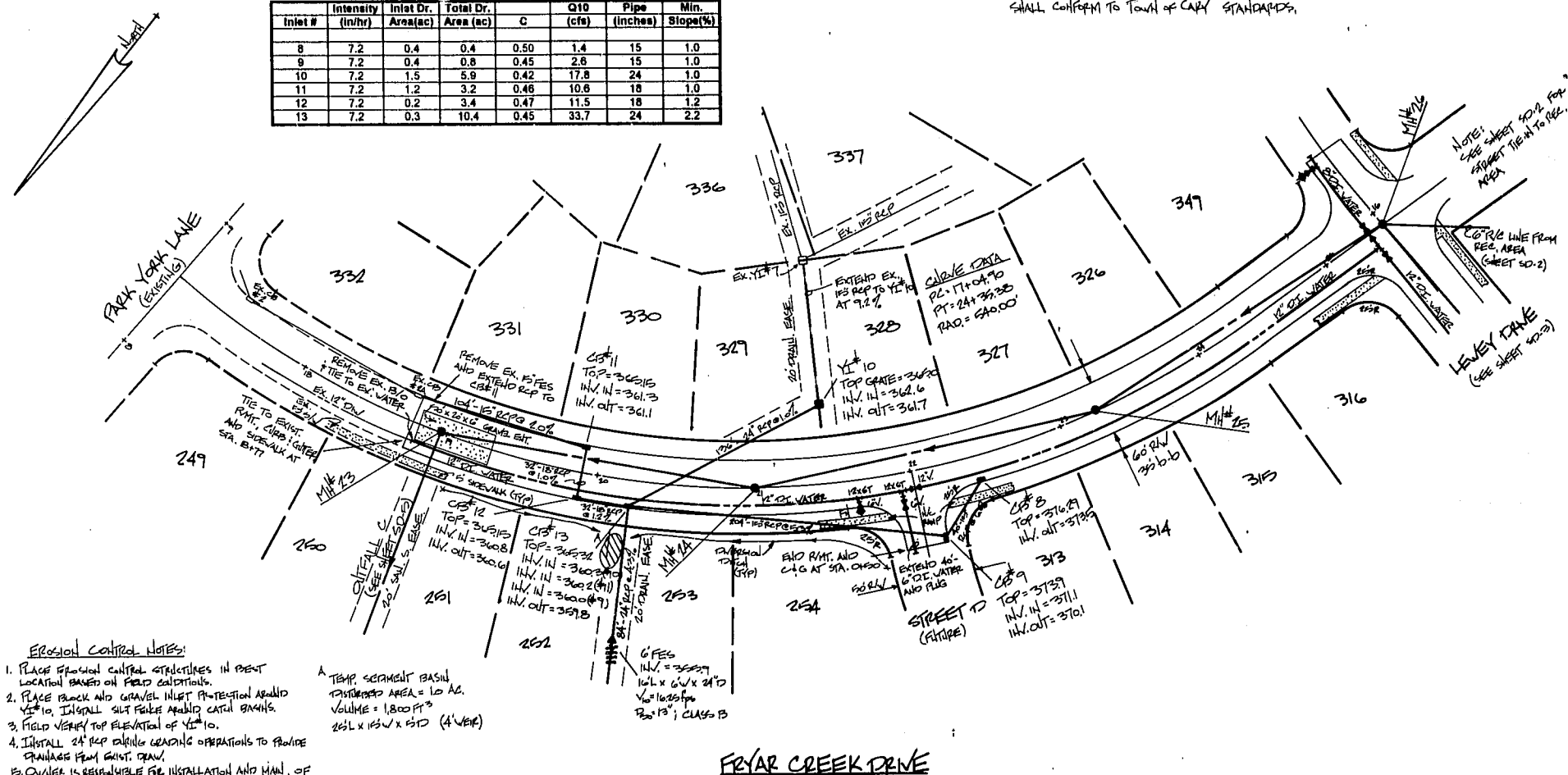
NOTE: ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO TOWN OF CARY STANDARDS.



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Brookstone - Phase VIII  
Fryar Creek Drive (BMTT to Reg. Area)  
FEB 23, 2016  
Vertical Scale: 1"=20'  
Horizontal Scale: 1"=50'



- EROSION CONTROL NOTES:
1. PLACE EROSION CONTROL STRUCTURES IN BEST LOCATION BASED ON FIELD CONDITIONS.
  2. PLACE BRUSH AND GRAVEL INLET PROTECTION AS SHOWN. INSTALL SILT FENCE AROUND CATCH BASINS.
  3. FIELD VERIFY TOP ELEVATION OF V.S. TO.
  4. INSTALL 24" RCP CURBING OPERATIONS TO PROVIDE DRAINAGE FROM GUT. DRAIN.
- OWNER IS RESPONSIBLE FOR INSTALLATION AND MAINT. OF EROSION CONTROL DEVICES.
- A TEMP. SEDIMENT BASIN  
DESIGNED AREA = 1.0 AC.  
VOLUME = 18000 FT<sup>3</sup>  
24" X 16" X 12" (4' VERT)

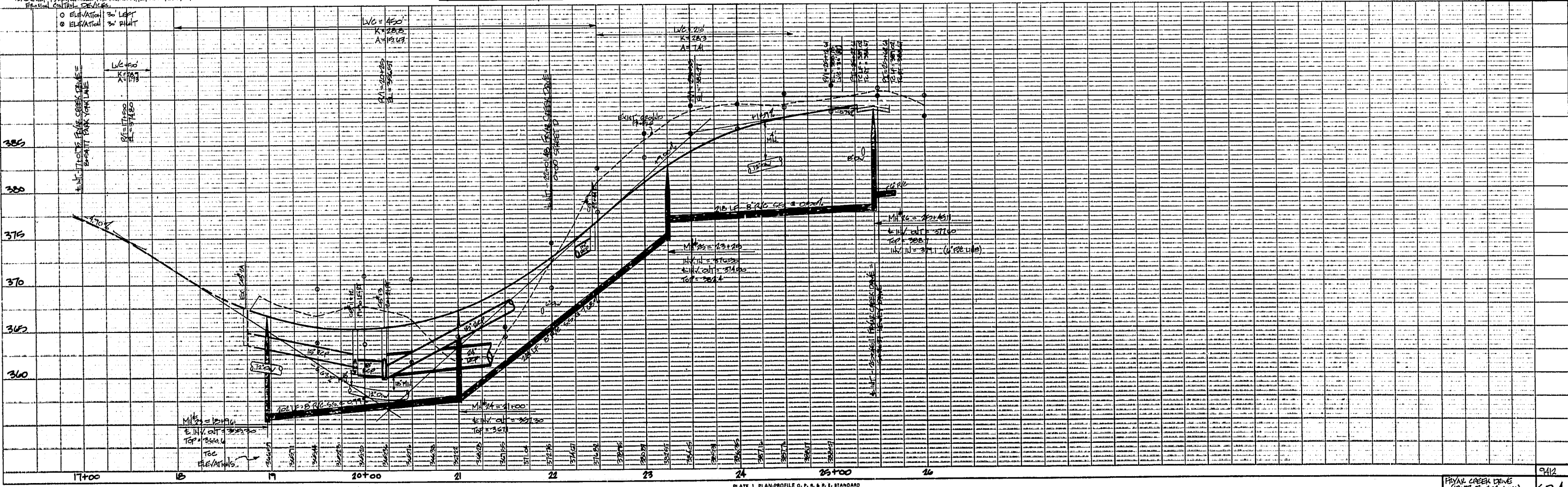


PLATE 1 PLAN/PROFILE D.P. & R.I. STANDARD  
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SD-4