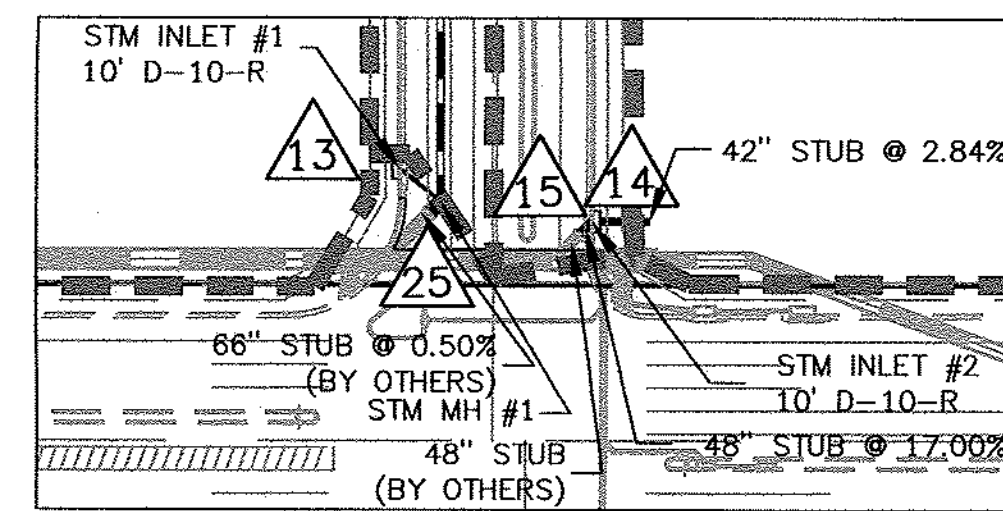
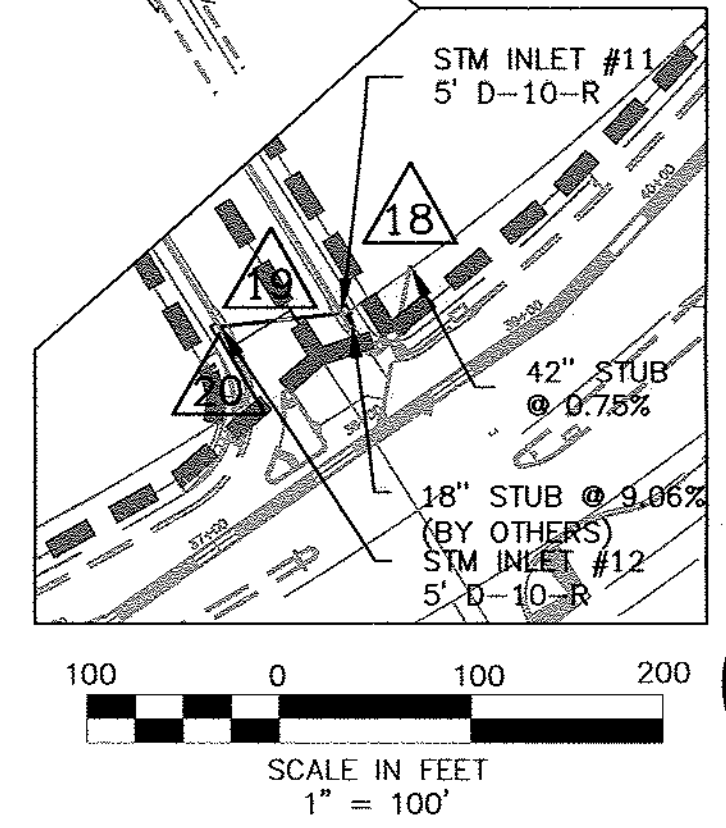
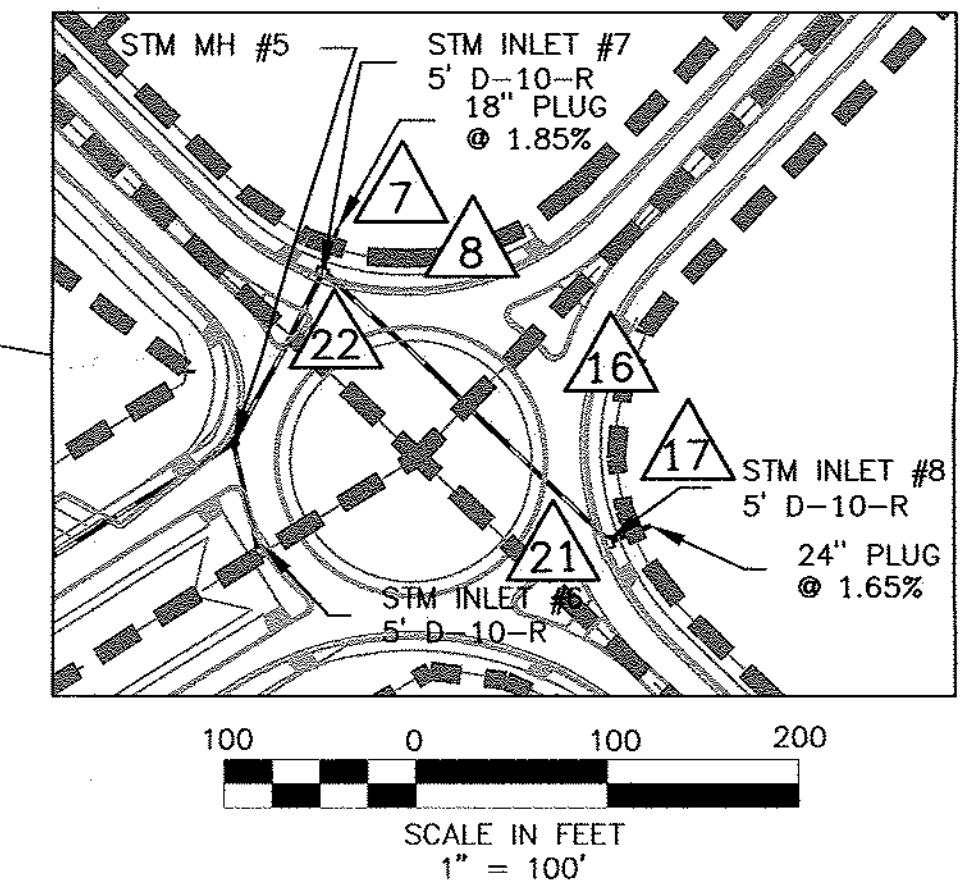
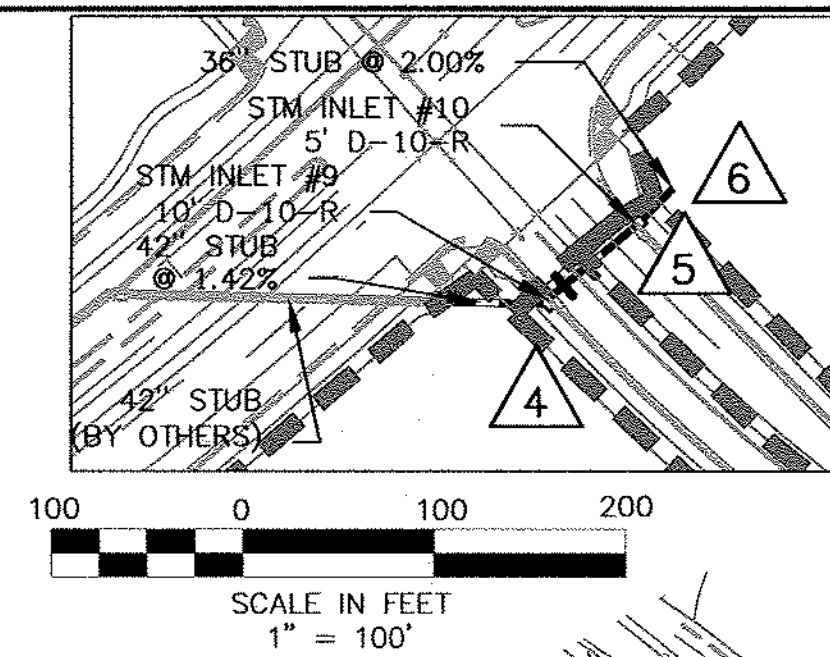
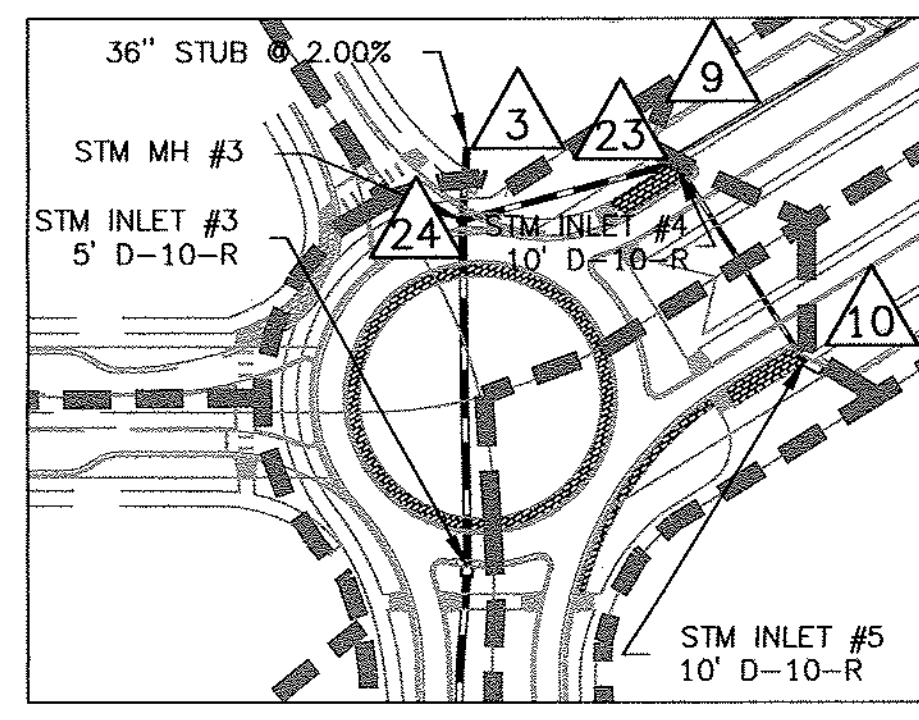


**5-Year & 100-Year Storm Runoff (Proposed)**

Basin	Design Point	Area	Tc	5 Intensity	100 Intensity	5 Comp. C	100 Comp. C	5 Q	100 Q
		(Acres)	(Min.)	(in./hr.)	(in./hr.)			(cfs)	(cfs)
A	1	18.16	11.09	3.90	7.10	0.90	0.90	63.7	116.0
B	2	13.42	10.44	4.10	7.20	0.90	0.90	49.5	87.0
C	3	13.09	10.68	4.10	7.20	0.90	0.90	48.3	84.8
D	4	0.81	10.31	4.10	7.20	0.90	0.90	3.0	5.3
E	5	0.71	10.31	4.10	7.20	0.90	0.90	2.6	4.6
F	6	14.25	11.13	3.90	7.10	0.90	0.90	50.0	91.0
G	7	1.73	9.95	4.20	7.30	0.90	0.90	6.5	11.4
H	8	0.86	9.95	4.20	7.30	0.90	0.90	3.2	5.6
I	9	1.76	10.47	4.10	7.20	0.90	0.90	6.5	11.4
J	10	1.81	10.55	4.10	7.20	0.90	0.90	6.7	11.7
K	11	7.58	10.58	4.10	7.20	0.90	0.90	28.0	49.1
L	12	3.28	10.18	4.15	7.20	0.90	0.90	12.3	21.3
M	13	1.53	10.22	4.10	7.20	0.90	0.90	5.6	9.9
N	14	1.04	10.00	4.20	7.30	0.90	0.90	3.9	6.8
O	15	20.06	11.05	3.90	7.10	0.90	0.90	70.4	128.2
P	16	0.92	9.95	4.20	7.30	0.90	0.90	3.5	6.1
Q	17	4.51	10.04	4.20	7.30	0.90	0.90	17.0	29.6
R	18	11.17	10.68	4.10	7.20	0.90	0.90	41.2	72.4
S	19	0.64	10.16	4.15	7.30	0.90	0.90	2.4	4.2
T	20	0.70	10.16	4.15	7.30	0.90	0.90	2.6	4.6
<b>Routed Flows</b>									
P, Q	21	5.43	10.11	4.20	7.30	0.90	0.90	20.5	35.7
G, H, P, Q	22	8.02	10.31	4.10	7.20	0.90	0.90	29.6	52.0
G, H, I, J, P, Q	23	11.58	11.64	3.90	6.90	0.90	0.90	40.7	71.9
C, G, H, I, J, P, Q	24	24.68	11.89	3.80	6.80	0.90	0.90	84.4	151.0
C, G, H, I, J, M, P, Q	25	26.21	12.93	3.70	6.70	0.90	0.90	87.3	158.0



**NOTES:**  
 1. SEE EXISTING DRAINAGE BASIN MAP FOR EXISTING DRAINAGE CONDITIONS.  
 2. SEE INTERIM DRAINAGE BASIN MAP FOR INTERIM DRAINAGE CONDITIONS.

- LEGEND**
- SUB-BASIN BOUNDARY
  - 4900 ----- EXISTING CONTOUR
  - PROPOSED STORM DRAIN PIPE
  - PROPOSED INLET
  - PROPOSED MANHOLE
  - △ DESIGN POINT
  - SUB BASIN DESIGNATION
  - SUB BASIN "C" COEFFICIENTS
  - SUB BASIN AREA (ACRES)
  - FLOW DIRECTION

**PROPOSED DRAINAGE BASIN MAP**



SCALE: HORIZONTAL _____ VERTICAL _____ BENCHMARK: _____	REVISIONS:	ENGINEER:	PROJECT: <u>BRIARGATE CROSSING WEST</u> TO _____
	NO. DESCRIPTION DATE	Matrix Design Group, Inc. 2925 Professional Place, Suite 202 Colorado Springs, CO 80904 Phone 719-575-0100 Fax 719-575-0208	
	DESIGNED BY: <u>JCM</u> DATE: <u>JULY, 2003</u>	CITY PROJECT NO. _____ DRAINAGE BASIN: <u>PINE CREEK DRAINAGE BASIN</u> JOB NO. <u>03.104.013</u> SHEET <u>1</u> OF <u>1</u>	
	DRAWN BY: <u>AMH</u> DATE: <u>JULY, 2003</u>		
	CHECKED BY: <u>JCM</u> DATE: <u>JULY, 2003</u>		