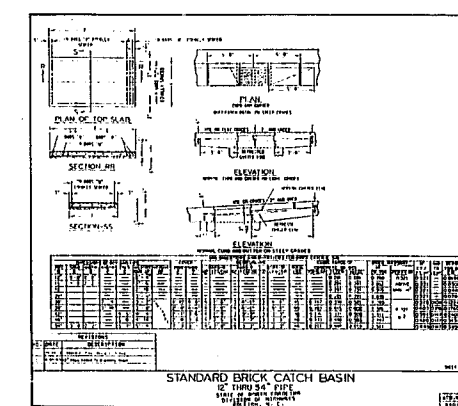
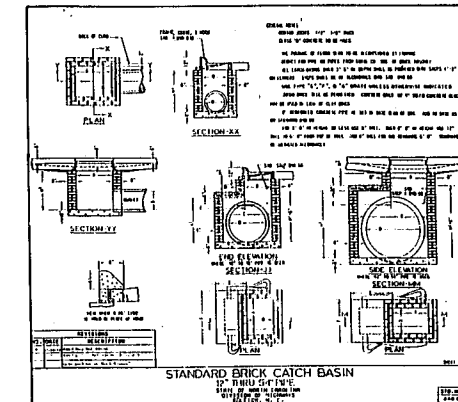
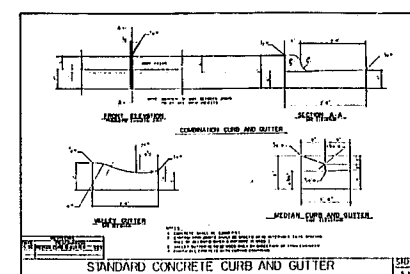
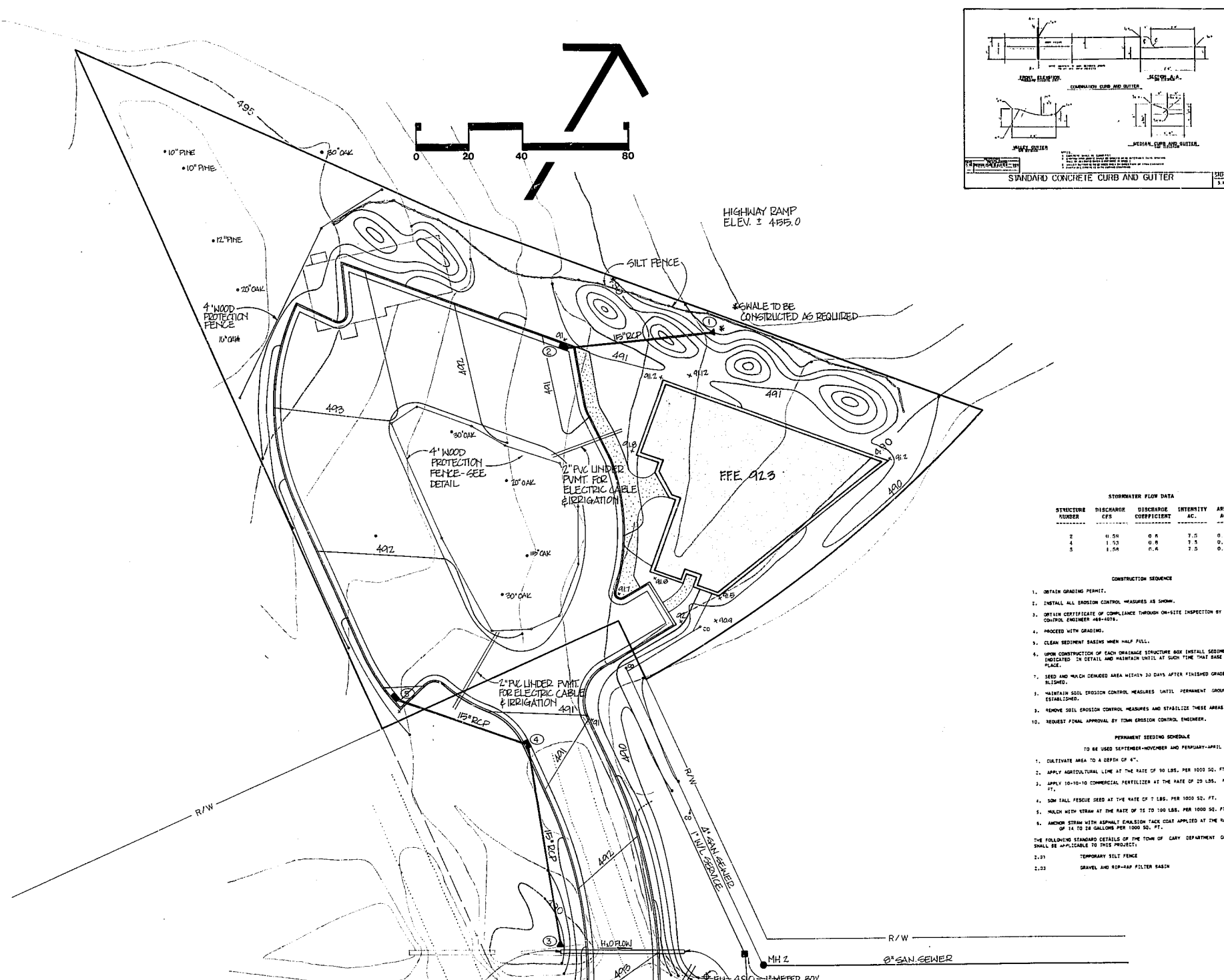




Revisions
JUNE 26, 1987
1st T.O.C. REVIEW COMMENTS
JULY 9, 1987
2nd T.O.C. REVIEW COMMENTS



STORMWATER FLOW DATA

STRUCTURE NUMBER	DISCHARGE CFS	DISCHARGE COEFFICIENT	INTERMITTENCY AC.	AREA AC.
2	4.50	0.8	7.5	0.13
4	1.53	0.8	7.5	0.34
5	8.54	0.6	7.5	0.38

- CONSTRUCTION SEQUENCE
1. OBTAIN GRADING PERMIT.
 2. INSTALL ALL EROSION CONTROL MEASURES AS SHOWN.
 3. OBTAIN CERTIFICATE OF COMPLIANCE THROUGH ON-SITE INSPECTION BY TOWN EROSION CONTROL ENGINEER AND HOST.
 4. PROCEED WITH GRADING.
 5. CLEAN SEDIMENT BASINS WHEN HALF FULL.
 6. UPON COMPLETION OF EACH DRAINAGE STRUCTURE BOX (INSTALL SEDIMENT FILTER AS INDICATED IN DETAIL AND MAINTAIN UNTIL AT SUCH TIME THAT BASE COURSE IS IN PLACE.
 7. SEED AND MULCH DENuded AREA WITHIN 30 DAYS AFTER FINISHED GRADES ARE ESTABLISHED.
 8. MAINTAIN SOIL EROSION CONTROL MEASURES UNTIL PERMANENT GRASS COVER IS ESTABLISHED.
 9. REMOVE SOIL EROSION CONTROL MEASURES AND STABILIZE THESE AREAS.
 10. REQUEST FINAL APPROVAL BY TOWN EROSION CONTROL ENGINEER.
- PERMANENT SEEDING SCHEDULE
- TO BE USED SEPTEMBER-NOVEMBER AND FEBRUARY-APRIL
1. CULTIVATE AREA TO A DEPTH OF 4".
 2. APPLY AGRICULTURAL LIME AT THE RATE OF 50 LBS. PER 1000 SQ. FT.
 3. APPLY 10-10-10 COMMERCIAL FERTILIZER AT THE RATE OF 20 LBS. PER 1000 SQ. FT.
 4. SOW TALL FESCUE SEED AT THE RATE OF 7 LBS. PER 1000 SQ. FT.
 5. MULCH WITH STRAW AT THE RATE OF 15 TO 20 LBS. PER 1000 SQ. FT.
 6. APPLY STRAW WITH ASPHALT EMULSION FACE COAT APPLIED AT THE RATE OF 1/2 TO 3/4 GALLON PER 1000 SQ. FT.
- THE FOLLOWING STANDARD DETAILS OF THE TOWN OF CARY DEPARTMENT OF ENGINEERING SHALL BE APPLICABLE TO THIS PROJECT:
- 2.01 TEMPORARY SILT FENCE
 - 2.02 GRAVEL AND RIP-RAP FILTER BASIN

TEMPORARY SEDIMENT BASIN AND OUTLET PROTECTION DIMENSIONS

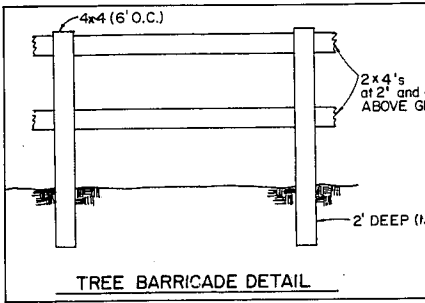
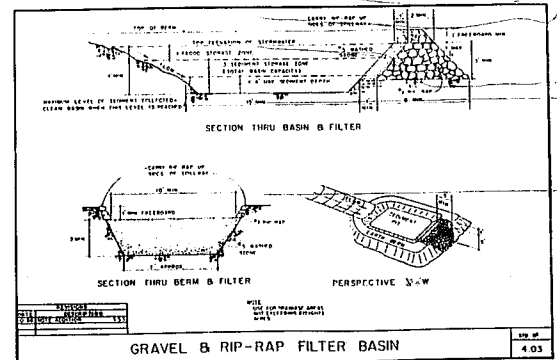
Structure Identifier	Basin Area (sq. ft.)	Basin Dimensions (ft.)		Outlet Protection Dimensions (ft.)	
		Length	Width	Length	Width
1	111	11	11	1.5	10
2	144	14	14	1.5	10
3	480	24	24	1.5	10

Outlet Protection Design to be based on "Streambank and Topographical Control for Soil Erosion and Sediment Control in Developing Areas" Soil Conservation Service.
For Gravel Riprap Stone, use National Crushed Stone Association Type #2, 1/2" nominal mesh.
For Filter Stone, use National Crushed Stone Association Type #3-1, 1/2" nominal mesh.

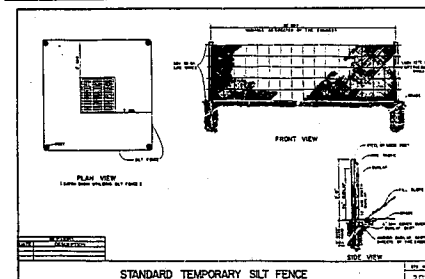
STORMWATER COLLECTION SYSTEM

FROM	TO	DIAMETER (INCHES)	LENGTH (FEET)	DISCHARGE (CFS)	SLOPE (%)	INVERT ELEVATIONS (FEET)	DOWNSTREAM CUFFSTREAM
1	2	18	50	0.36	0.600	488.10	488.40
2	4	18	100	2.11	0.223	487.10	487.00
4	5	30	1.58	0.000	0.000	488.10	488.10

NOTES:
All pipe is reinforced concrete pipe, ASTM C-76, Class 2.
Tail sitch from PES to natural grade as required by field conditions.
See North Carolina Department of Transportation catch basin standard 440.01, Form, style, and name shall conform to North Carolina Department of Transportation standard 440.02, Type 2.



- NOTES:
- 1- WOOD PROTECTION FENCE AROUND TREE SAFE AREAS MUST BE CONSTRUCTED BY CONTRACTOR & APPROVED BY LANDSCAPE ARCHITECT BEFORE ANY CLEARING & GRADING EQUIPMENT CAN BE BROUGHT ON SITE.
 - 2- NO GRADING, STORAGE, DUMPING, VEHICULAR OR PEDESTRIAN ACTIVITY SHALL OCCUR WITHIN THE PROTECTION FENCE AREAS.
 - 3- WHERE POSSIBLE PROTECTION FENCE SHALL BE PLACED 1' OUT FROM TRUNK OF TREE FOR EVERY CALIPER INCH.



Project
**BAKER-BROWN
PROFESSIONAL
BUILDING**

GRADING, UTILITIES,
STORM DRAINAGE,
EROSION CONTROL

Date
JUNE 10, 1987

Scale
1" = 20'

Sheet
2