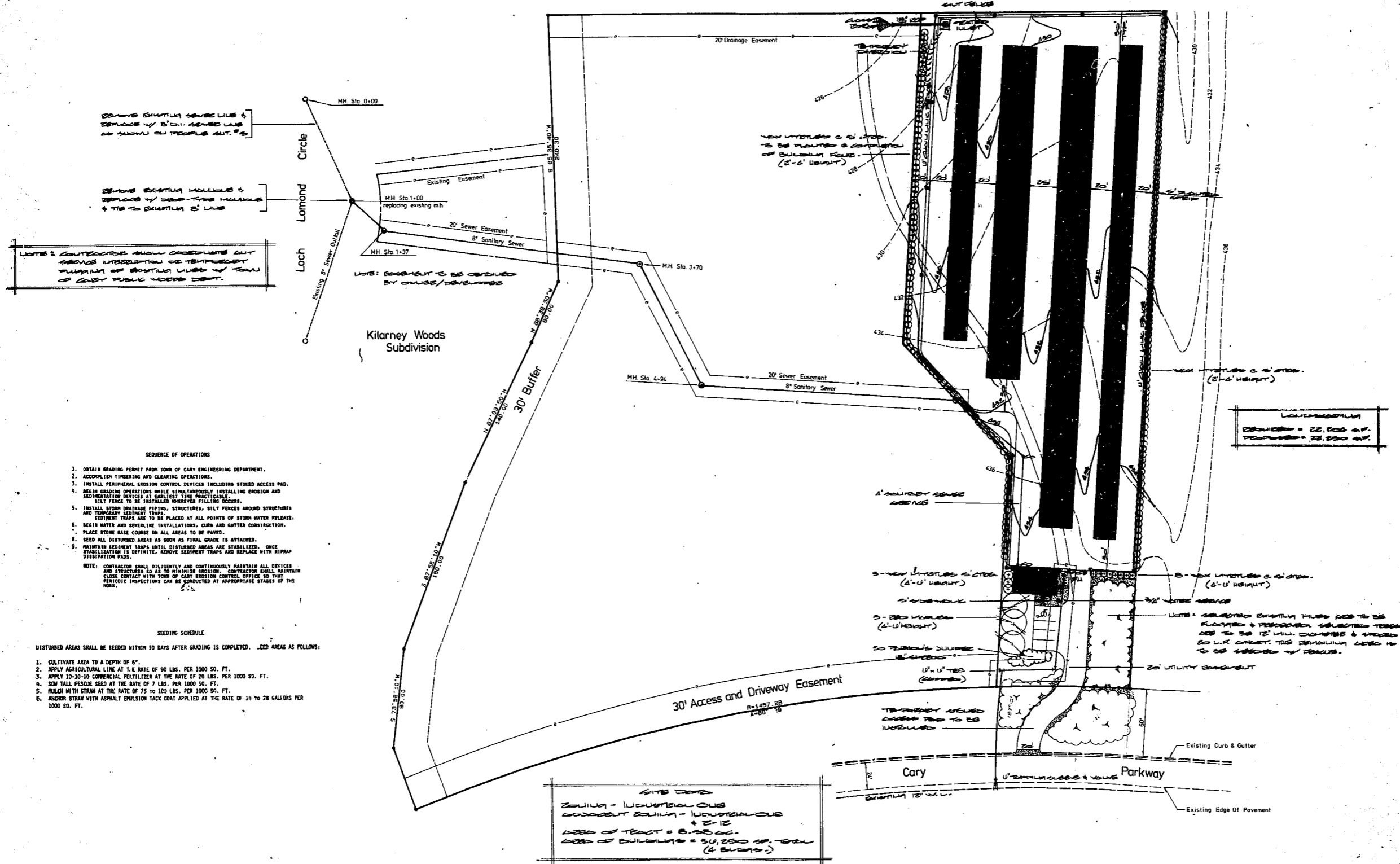


STORMWATER COLLECTION SYSTEM

FROM	TO	DIAMETER (inches)	LENGTH (feet)	DISCHARGE (cfs)	SLOPE (%)	INVERT ELEVATIONS UPSTREAM	DOWNSTREAM
Co	FES	18	44	12.0	0.455	424.7	424.5

NOTES: All pipe is Reinforced Concrete, ASTM C76, Class III. Discharge refers to the ten-year event.



- SEQUENCE OF OPERATIONS
- OBTAIN GRADING PERMIT FROM TOWN OF CARY ENGINEERING DEPARTMENT.
  - ACCOMPLISH TIMBERING AND CLEARING OPERATIONS.
  - INSTALL PERIPHERAL EROSION CONTROL DEVICES INCLUDING STOKED ACCESS PAD.
  - BEGIN GRADING OPERATIONS WHILE SIMULTANEOUSLY INSTALLING EROSION AND SEDIMENTATION DEVICES AT EARLIEST TIME PRACTICABLE. SILT FENCE TO BE INSTALLED WHEREVER FILLING OCCURS.
  - INSTALL STORM DRAINAGE PIPING, STRUCTURES, SILT FENCES AROUND STRUCTURES AND TEMPORARY SEDIMENT TRAPS. SEDIMENT TRAPS ARE TO BE PLACED AT ALL POINTS OF STORM WATER RELEASE.
  - BEGIN WATER AND SEWERLINE INSTALLATIONS, CURB AND GUTTER CONSTRUCTION.
  - PLACE STONE BASE COURSE ON ALL AREAS TO BE PAVED.
  - SEED ALL DISTURBED AREAS AS SOON AS FINAL GRADE IS ATTAINED.
  - MAINTAIN SEDIMENT TRAPS UNTIL DISTURBED AREAS ARE STABILIZED. ONCE STABILIZATION IS DEFINITE, REMOVE SEDIMENT TRAPS AND REPLACE WITH RIPRAP DISTRIBUTION PADS.
- NOTE: CONTRACTOR SHALL DILIGENTLY AND CONTINUOUSLY MAINTAIN ALL DEVICES AND STRUCTURES SO AS TO MINIMIZE EROSION. CONTRACTOR SHALL MAINTAIN CLOSE CONTACT WITH TOWN OF CARY EROSION CONTROL OFFICE SO THAT PERIODIC INSPECTIONS CAN BE CONDUCTED AT APPROPRIATE STAGES OF THE WORK.

- SEEDING SCHEDULE
- DISTURBED AREAS SHALL BE SEEDING WITHIN 50 DAYS AFTER GRADING IS COMPLETED. SEED AREAS AS FOLLOWS:
- CULTIVATE AREA TO A DEPTH OF 6".
  - APPLY AGRICULTURAL LIME AT 1.0 TON PER 1000 SQ. FT.
  - APPLY 10-10-10 COMMERCIAL FERTILIZER AT THE RATE OF 20 LBS. PER 1000 SQ. FT.
  - SOW WALL PEGGEE SEED AT THE RATE OF 7 LBS. PER 1000 SQ. FT.
  - MULCH WITH STRAW AT THE RATE OF 75 TO 100 LBS. PER 1000 SQ. FT.
  - APPLY STRAW WITH ASPHALT EMULSION TACK COAT APPLIED AT THE RATE OF 14 TO 28 GALLONS PER 1000 SQ. FT.

SITE DATA  
 ZONING - INDUSTRIAL OUB  
 EXISTING BUILDING - INDUSTRIAL OUB  
 + 2-12  
 AREA OF TRACT = 8.25 AC.  
 AREA OF BUILDINGS = 30,250 SQ. FT.  
 (4 BLDGS.)

**William G. Daniel & Associates**  
 CONSULTING ENGINEERS  
 1152 Executive Circle, Suite 201  
 Cary, North Carolina 27511



PROJECT  
**COLONIAL SELF STORAGE**  
 Cary, North Carolina

DATE  
 27 July '83

SCALE  
 1" = 40'

SHEET  
**2**  
 OF

DRAWN BY  
 austin

REVISIONS

1	AS SHOWN ON THESE SHEETS
---	--------------------------