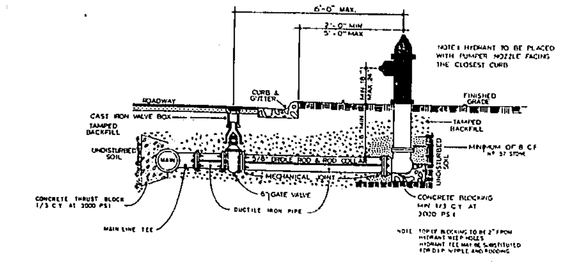
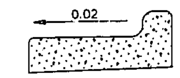


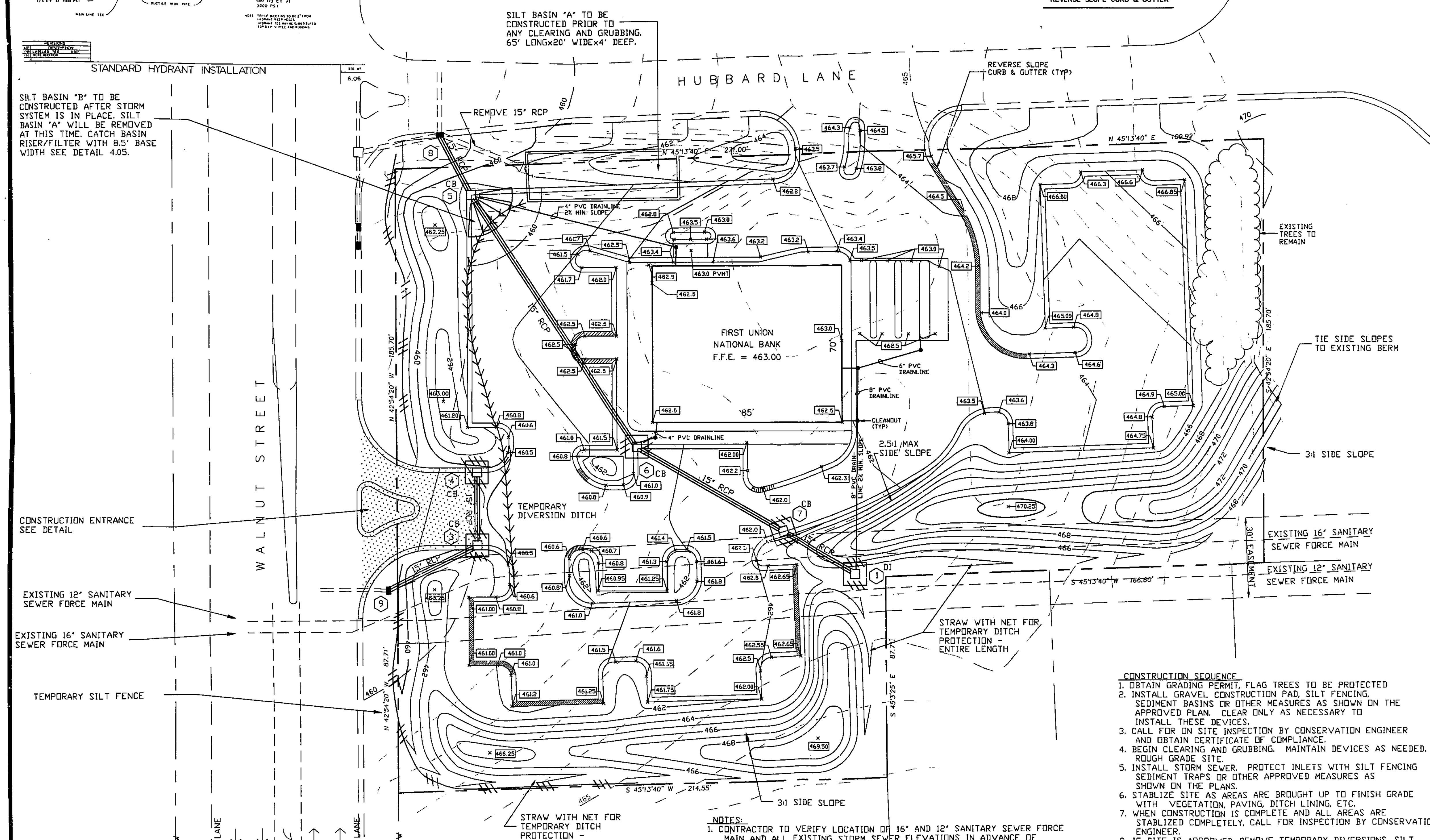
STANDARD HYDRANT INSTALLATION

STORM SEWER SCHEDULE

STRUCTURE FROM	TO	DIA.	LENGTH	SLOPE	TOTAL AREA	AVG C	Q10	INVERT IN	INVERT OUT	GRATE ELEV (Inlet End)
1	7	15"	40'	0.5%	1.61 AC	0.25	2.5 CFS	455.35	455.15	462.50
7	6	15"	76'	0.5%	2.58 AC	0.38	6.1 CFS	454.95	454.57	461.25
6	5	15"	132'	0.5%	2.82 AC	0.41	7.1 CFS	454.37	453.71	461.00
5	8	15"	28'	0.5%	3.29 AC	0.45	8.9 CFS	453.51	453.37	459.25
4	3	15"	36'	0.5%	0.11 AC	0.64	0.4 CFS	456.87	456.69	460.00
3	9	15"	44'	0.5%	0.53 AC	0.62	2.0 CFS	456.49	456.27	460.00



REVERSE SLOPE CURB & GUTTER



SITE INFORMATION

TOTAL ACREAGE	2.05 ACRES
DISTURBED ACREAGE	2.05 ACRES
IMPERVIOUS AREA	1.20 ACRES
NON-IMPERVIOUS AREA	0.85 ACRES
PERCENT OF IMPERVIOUS SURFACE	58.5 PERCENT

SCALE 1"=20'
0' 10' 20' 40' 60' 80'

NOTES:
1. CONTRACTOR TO VERIFY LOCATION OF 16" AND 12" SANITARY SEWER FORCE MAIN AND ALL EXISTING STORM SEWER ELEVATIONS IN ADVANCE OF CONSTRUCTION AND MAKE ANY OBSERVATIONS THAT AFFECT CONSTRUCTION KNOWN TO THE ENGINEER. MAINTAIN 3' OF COVER ON SEWER FORCE MAINS.
2. BOUNDARY AND TOPOGRAPHIC INFORMATION PROVIDED BY T & R ASSOCIATES, ASHEBORO, N.C.
3. TOP OF CURB OR SPOT ELEVATION 469.50
4. ALL CONSTRUCTION IS TO BE PERFORMED IN ACCORDANCE WITH TOWN OF CARY STANDARDS AND SPECIFICATIONS.
5. SITE IS LOCATED OUTSIDE 100 YEAR FLOODPLAIN. STORM WATER IS IMPOUNDED WITHIN SYSTEM.

CONSTRUCTION SEQUENCE
1. OBTAIN GRADING PERMIT, FLAG TREES TO BE PROTECTED
2. INSTALL GRAVEL CONSTRUCTION PAD, SILT FENCING, SEDIMENT BASINS OR OTHER MEASURES AS SHOWN ON THE APPROVED PLAN. CLEAR ONLY AS NECESSARY TO INSTALL THESE DEVICES.
3. CALL FOR ON SITE INSPECTION BY CONSERVATION ENGINEER AND OBTAIN CERTIFICATE OF COMPLIANCE.
4. BEGIN CLEARING AND GRUBBING. MAINTAIN DEVICES AS NEEDED. ROUGH GRADE SITE.
5. INSTALL STORM SEWER. PROTECT INLETS WITH SILT FENCING SEDIMENT TRAPS OR OTHER APPROVED MEASURES AS SHOWN ON THE PLANS.
6. STABLIZE SITE AS AREAS ARE BROUGHT UP TO FINISH GRADE WITH VEGETATION, PAVING, DITCH LINING, ETC.
7. WHEN CONSTRUCTION IS COMPLETE AND ALL AREAS ARE STABLIZED COMPLETELY, CALL FOR INSPECTION BY CONSERVATION ENGINEER.
8. IF SITE IS APPROVED, REMOVE TEMPORARY DIVERSIONS, SILT FENCING, ETC., AND SEED OUT OR PAVE ANY RESULTING BARE AREAS. ALL REMAINING PERMANENT EROSION CONTROL DEVICES (SUCH AS ENERGY DISSIPATORS) SHOULD BE INSTALLED NOW.
9. WHEN VEGETATION HAS BECOME ESTABLISHED, CALL FOR FINAL SITE INSPECTION BY CONSERVATION ENGINEER.
10. OBTAIN A CERTIFICATE OF COMPLETION.

NOTE: CLEAN OUT SEDIMENT BASINS EVERY SIX MONTHS OR AS NECESSARY TO MAINTAIN BASINS.

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PROJECT

FIRST UNION NATIONAL BANK

CARY, NORTH CAROLINA

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TRAFFIC ENGINEER
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RALEIGH, NC

1/22/93 ADJUST SPOT ELEVATIONS

DRAWN	CHECKED
RKW	TLB
SCALE	DATE
1"=20'	DECEMBER 1992

TITLE

GRADING PLAN

FILE NO. | JOB NO. 1963.01
SEAL | SHEET NO.

NORTH CAROLINA ... 14455 ENGINEER TED L. BARTELT 12/?/92

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