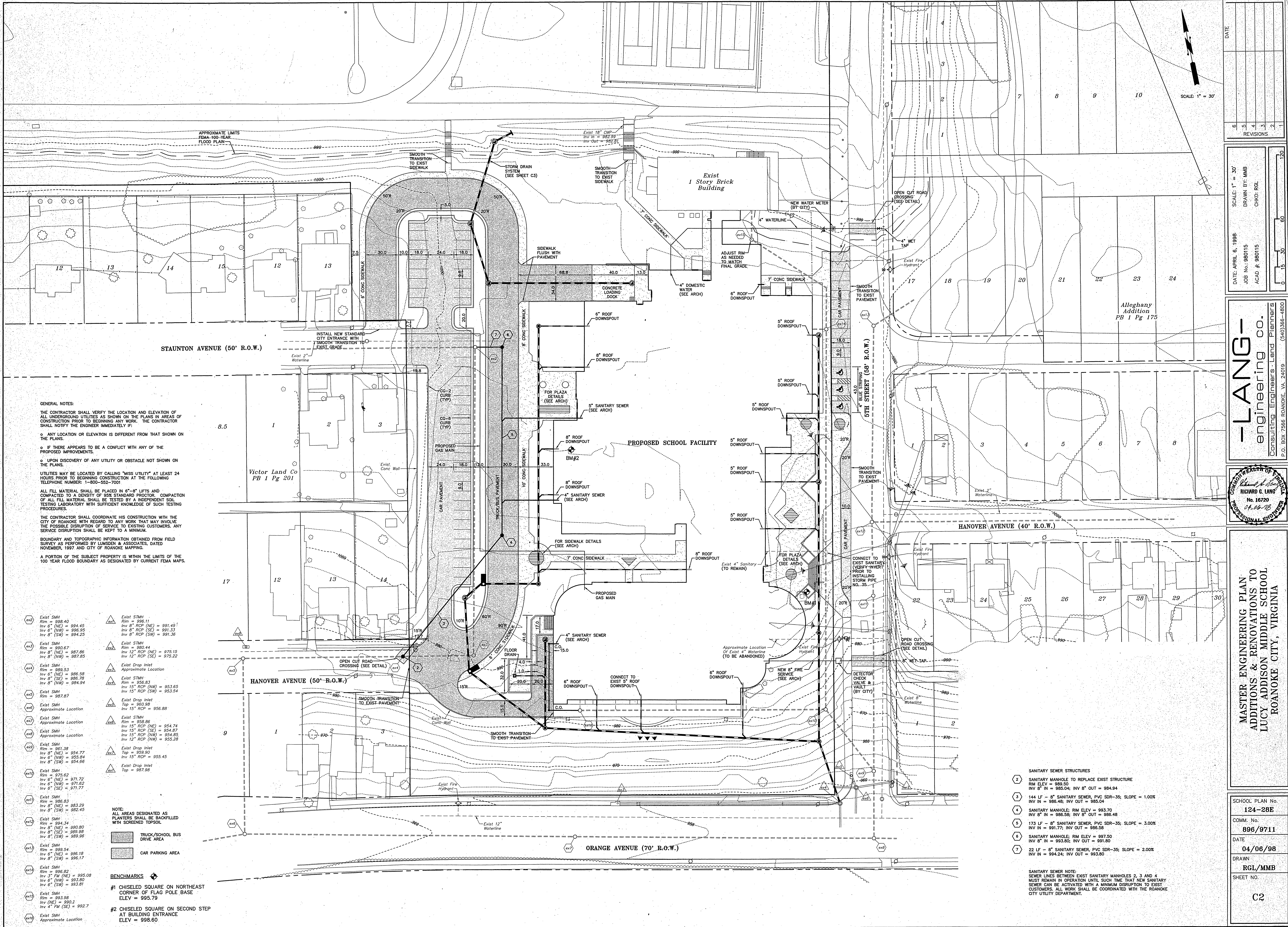




DATE	APRIL 6, 1998
SCALE	1" = 30'
REVISIONS	1 2 3 4 5 6

DATE: APRIL 6, 1998	SCALE: 1" = 30'
JOB NO. 980115	DRAWN BY: MMB
ACAD # 980115	CHKD: RGL

-LANG-
engineering co.
Consulting Engineers - Land Planners
P.O. BOX 7566 ROANOKE, VA 24019 (540)366-4800

PROFESSIONAL ENGINEER
No. 16720
04-06-78
RICHARD C. LANG

MASTER ENGINEERING PLAN
ADDITIONS & RENOVATIONS TO
LUCY ADDISON MIDDLE SCHOOL
ROANOKE CITY, VIRGINIA

SCHOOL PLAN No.	124-28E
COMM. No.	896/9711
DATE	04/06/98
DRAWN	RGL/MMB
SHEET NO.	C2

GENERAL NOTES:
THE CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION OF ALL UNDERGROUND UTILITIES AS SHOWN ON THE PLANS IN AREAS OF CONSTRUCTION PRIOR TO BEGINNING ANY WORK. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF:
o ANY LOCATION OR ELEVATION IS DIFFERENT FROM THAT SHOWN ON THE PLANS.
o IF THERE APPEARS TO BE A CONFLICT WITH ANY OF THE PROPOSED IMPROVEMENTS.
o UPON DISCOVERY OF ANY UTILITY OR OBSTACLE NOT SHOWN ON THE PLANS.
UTILITIES MAY BE LOCATED BY CALLING "MISS UTILITY" AT LEAST 24 HOURS PRIOR TO BEGINNING CONSTRUCTION AT THE FOLLOWING TELEPHONE NUMBER: 1-800-552-7001
ALL FILL MATERIAL SHALL BE PLACED IN 6"-8" LIFTS AND COMPACTED TO A DENSITY OF 95% STANDARD PROCTOR. COMPACTION OF ALL FILL MATERIAL SHALL BE TESTED BY A INDEPENDENT SOIL TESTING LABORATORY WITH SUFFICIENT KNOWLEDGE OF SUCH TESTING PROCEDURES.
THE CONTRACTOR SHALL COORDINATE HIS CONSTRUCTION WITH THE CITY OF ROANOKE WITH REGARD TO ANY WORK THAT MAY INVOLVE THE POSSIBLE DISRUPTION OF SERVICE TO EXISTING CUSTOMERS. ANY SERVICE DISRUPTION SHALL BE KEPT TO A MINIMUM.
BOUNDARY AND TOPOGRAPHIC INFORMATION OBTAINED FROM FIELD SURVEY AS PERFORMED BY LUMSDEN & ASSOCIATES, DATED NOVEMBER, 1997 AND CITY OF ROANOKE MAPS.
A PORTION OF THE SUBJECT PROPERTY IS WITHIN THE LIMITS OF THE 100 YEAR FLOOD BOUNDARY AS DESIGNATED BY CURRENT FEMA MAPS.

Exist SMH Rim = 998.40 Inv 6" (NE) = 994.45 Inv 6" (NW) = 996.95 Inv 8" (SW) = 994.25	Exist SMH Rim = 996.11 Inv 6" RCP (NE) = 991.49 Inv 6" RCP (SE) = 991.33 Inv 8" RCP (SW) = 991.36
Exist SMH Rim = 990.67 Inv 6" (NE) = 987.86 Inv 8" (NW) = 987.65	Exist SMH Rim = 990.44 Inv 12" RCP (NE) = 975.15 Inv 12" RCP (SE) = 975.22
Exist SMH Rim = 989.53 Inv 6" (NE) = 986.58 Inv 6" (SE) = 986.78 Inv 8" (NW) = 984.24	Exist SMH Rim = 956.83 Inv 15" RCP (NW) = 953.65 Inv 15" RCP (SW) = 953.54
Exist SMH Rim = 987.67	Exist Drop Inlet Top = 950.98 Inv 15" RCP = 956.88
Exist SMH Approximate Location	Exist SMH Rim = 958.86 Inv 15" RCP (NE) = 954.74 Inv 15" RCP (SE) = 954.87 Inv 15" RCP (NW) = 954.85 Inv 12" RCP (NW) = 955.28
Exist SMH Approximate Location	Exist Drop Inlet Top = 959.90 Inv 8" (NE) = 954.77 Inv 6" (NW) = 955.94 Inv 8" (SW) = 954.66
Exist SMH Rim = 975.62 Inv 6" (NE) = 971.72 Inv 6" (NW) = 971.62 Inv 8" (SE) = 971.77	Exist Drop Inlet Top = 957.28
Exist SMH Rim = 986.83 Inv 6" (NE) = 983.29 Inv 8" (SW) = 982.45	
Exist SMH Rim = 994.34 Inv 6" (NE) = 990.80 Inv 6" (SE) = 989.98 Inv 8" (SW) = 989.96	
Exist SMH Rim = 999.54 Inv 6" (NE) = 996.18 Inv 8" (SW) = 996.17	
Exist SMH Rim = 996.82 Inv 3" FM (NE) = 995.08 Inv 6" (NW) = 993.80 Inv 6" (SW) = 993.81	
Exist SMH Rim = 993.68 Inv (NE) = 990.2 Inv 4" FM (SE) = 992.7	
Exist SMH Approximate Location	

NOTE:
ALL AREAS DESIGNATED AS
PLANTERS SHALL BE BACKFILLED
WITH SCREENED TOPSOIL

TRUCK/SCHOOL BUS
DRIVE AREA

CAR PARKING AREA

BENCHMARKS

#1 CHISELED SQUARE ON NORTHEAST
CORNER OF FLAG POLE BASE
ELEV = 995.79

#2 CHISELED SQUARE ON SECOND STEP
AT BUILDING ENTRANCE
ELEV = 998.60

- SANITARY SEWER STRUCTURES
- 2 SANITARY MANHOLE TO REPLACE EXIST STRUCTURE
RIM ELEV = 989.50
INV 8" IN = 985.04; INV 8" OUT = 984.94
 - 3 144 LF - 8" SANITARY SEWER, PVC SDR-35; SLOPE = 1.00%
INV IN = 986.48; INV OUT = 985.04
 - 4 SANITARY MANHOLE; RIM ELEV = 993.70
INV 8" IN = 986.58; INV 8" OUT = 986.48
 - 5 173 LF - 8" SANITARY SEWER, PVC SDR-35; SLOPE = 3.00%
INV IN = 991.77; INV OUT = 986.58
 - 6 SANITARY MANHOLE; RIM ELEV = 997.50
INV 8" IN = 993.80; INV OUT = 991.80
 - 7 22 LF - 8" SANITARY SEWER, PVC SDR-35; SLOPE = 2.00%
INV IN = 994.24; INV OUT = 993.80

SANITARY SEWER NOTE:
SEWER LINES BETWEEN EXIST SANITARY MANHOLES 2, 3 AND 4
MUST REMAIN IN OPERATION UNTIL SUCH TIME THAT NEW SANITARY
SEWER CAN BE ACTIVATED WITH A MINIMUM DISRUPTION TO EXIST
CUSTOMERS. ALL WORK SHALL BE COORDINATED WITH THE ROANOKE
CITY UTILITY DEPARTMENT.