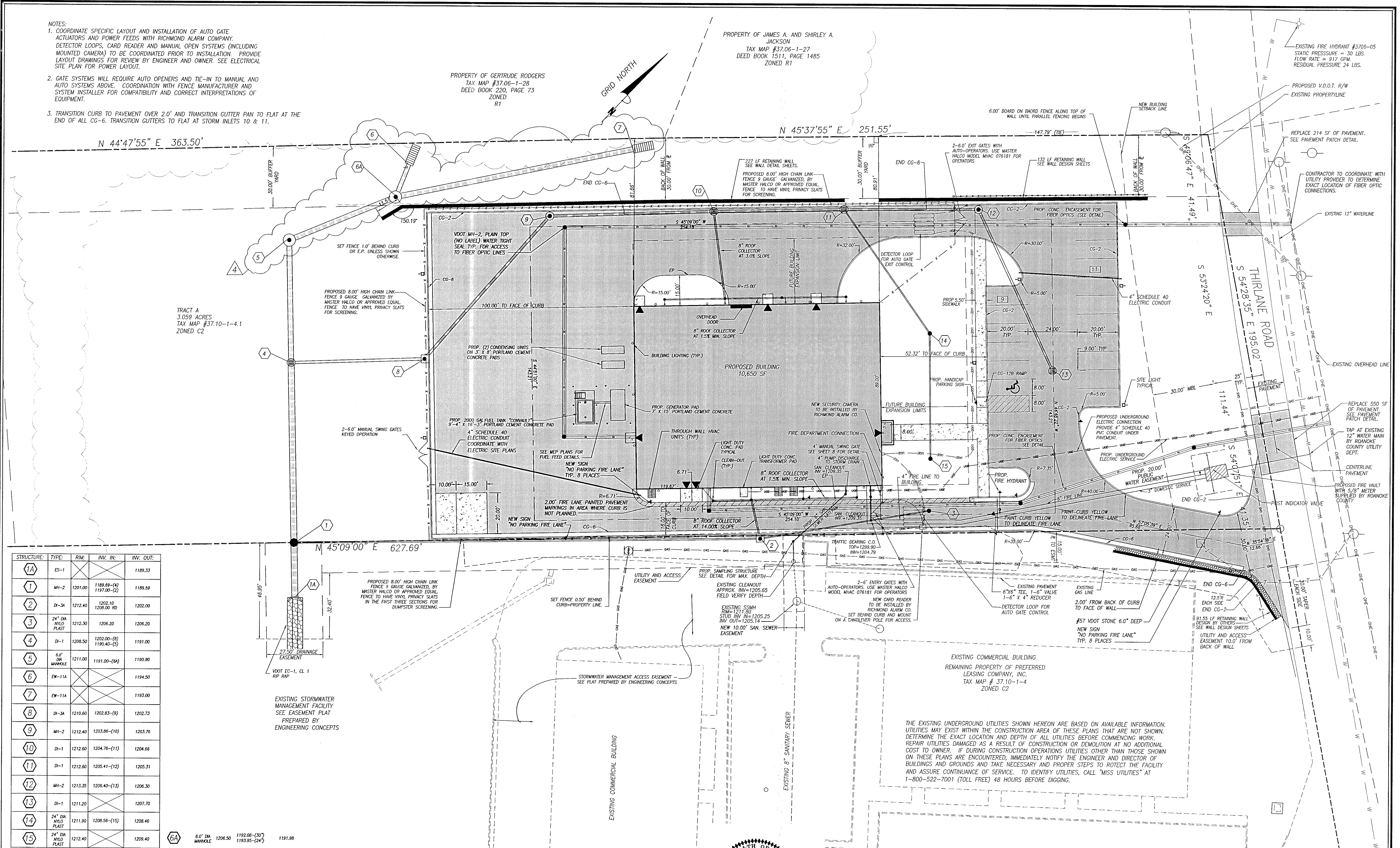


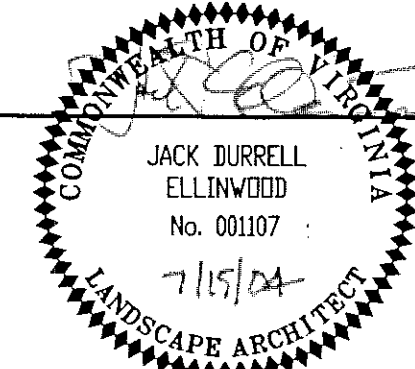
- NOTES:
1. COORDINATE SPECIFIC LAYOUT AND INSTALLATION OF AUTO GATE ACTUATORS AND POWER FEEDS WITH RICHMOND ALARM COMPANY. DETECTOR LOOPS, CARD READER AND MANUAL OPEN SYSTEMS (INCLUDING MOUNTED CAMERA) TO BE COORDINATED PRIOR TO INSTALLATION. PROVIDE LAYOUT DRAWINGS FOR REVIEW BY ENGINEER AND OWNER. SEE ELECTRICAL SITE PLAN FOR POWER LAYOUT.
 2. GATE SYSTEMS WILL REQUIRE AUTO OPENERS AND TIE-IN TO MANUAL AND AUTO SYSTEMS ABOVE. COORDINATION WITH FENCE MANUFACTURER AND SYSTEM INSTALLER FOR COMPATIBILITY AND CORRECT INTERPRETATIONS OF EQUIPMENT.
 3. TRANSITION CURB TO PAVEMENT OVER 2.0' AND TRANSITION GUTTER PAN TO FLAT AT THE END OF ALL CG-6. TRANSITION GUTTERS TO FLAT AT STORM INLETS 10 & 11.



STRUCTURE:	TYPE:	RIM:	INV. IN:	INV. OUT:
1A	ES-1			1189.33
1	MH-2	1201.00	1189.69-(4) 1197.00-(2)	1189.59
2	DI-3A	1212.40	1202.10 1206.00 RD	1202.00
3	24" DIA NYLO PLAST	1212.30	1206.20	1206.20
4	DI-1	1208.50	1202.00-(8) 1190.40-(5)	1191.00
5	6.0" DIA MANHOLE	1211.00	1191.00-(6A)	1190.90
6	EW-11A			1194.50
7	EW-11A			1193.00
8	DI-3A	1210.60	1202.83-(9)	1202.73
9	MH-2	1212.40	1203.86-(10)	1203.76
10	DI-1	1212.60	1204.76-(11)	1204.66
11	DI-1	1212.60	1205.41-(12)	1205.31
12	MH-2	1213.35	1206.40-(13)	1206.30
13	DI-1	1211.20		1207.70
14	24" DIA NYLO PLAST	1211.90	1208.56-(15)	1208.46
15	24" DIA NYLO PLAST	1212.40		1209.40

6A 6.0" DIA
MANHOLE 1206.50 1192.08-(20)
1193.95-(24) 1191.98

ENGINEERING CONCEPTS, INC.
 20 S. ROANOKE ST., PO BOX 619
 FINCASTLE, VIRGINIA 24090
 540.473.1253 FAX: 540.473.1254



No.	Revision	By	Appd	Date	Drawn
1	COUNTY COMMENTS OF MAY 18, 2004	DRB	JDE	6-02-04	JSC/WTR
2	PROPOSED VDOT R/W DEDICATION	MSW	JDE	6-24-04	Designed
3	COUNTY COMMENTS OF JUNE 22, 2004	MSW	JDE	7-15-04	Checked
4	FIELD REVISED STORM DRAIN	DRB	JDE	2-17-05	Approved

VERIZON WIRELESS
THIRLANE ROAD SWITCHING CENTER
LAYOUT AND UTILITY PLAN
ROANOKE COUNTY, VIRGINIA

SCALE: 1"=20'
 JULY, 2004
 PROJECT: 04016
 5 of 15

THE EXISTING UNDERGROUND UTILITIES SHOWN HEREON ARE BASED ON AVAILABLE INFORMATION. UTILITIES MAY EXIST WITHIN THE CONSTRUCTION AREA OF THESE PLANS THAT ARE NOT SHOWN. DETERMINE THE EXACT LOCATION AND DEPTH OF ALL UTILITIES BEFORE COMMENCING WORK. REPAIR UTILITIES DAMAGED AS A RESULT OF CONSTRUCTION OR DEMOLITION AT NO ADDITIONAL COST TO OWNER. IF DURING CONSTRUCTION OPERATIONS UTILITIES OTHER THAN THOSE SHOWN ON THESE PLANS ARE ENCOUNTERED, IMMEDIATELY NOTIFY THE ENGINEER AND DIRECTOR OF BUILDINGS AND GROUNDS AND TAKE NECESSARY AND PROPER STEPS TO PROTECT THE FACILITY AND ASSURE CONTINUANCE OF SERVICE. TO IDENTIFY UTILITIES, CALL "MISS UTILITIES" AT 1-800-522-7001 (TOLL FREE) 48 HOURS BEFORE DIGGING.