

"WORK SAFELY"

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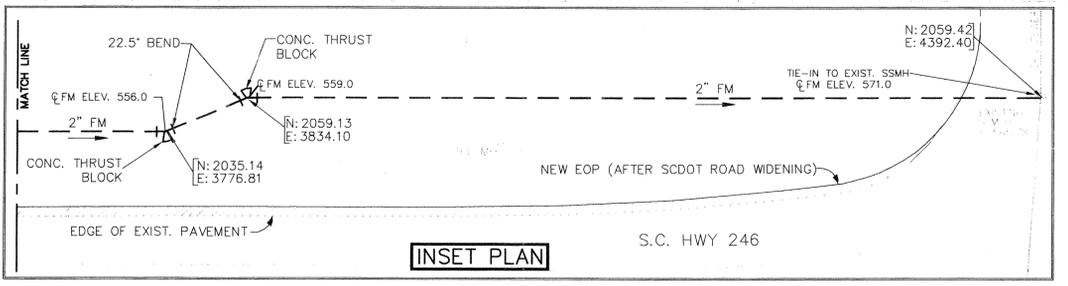
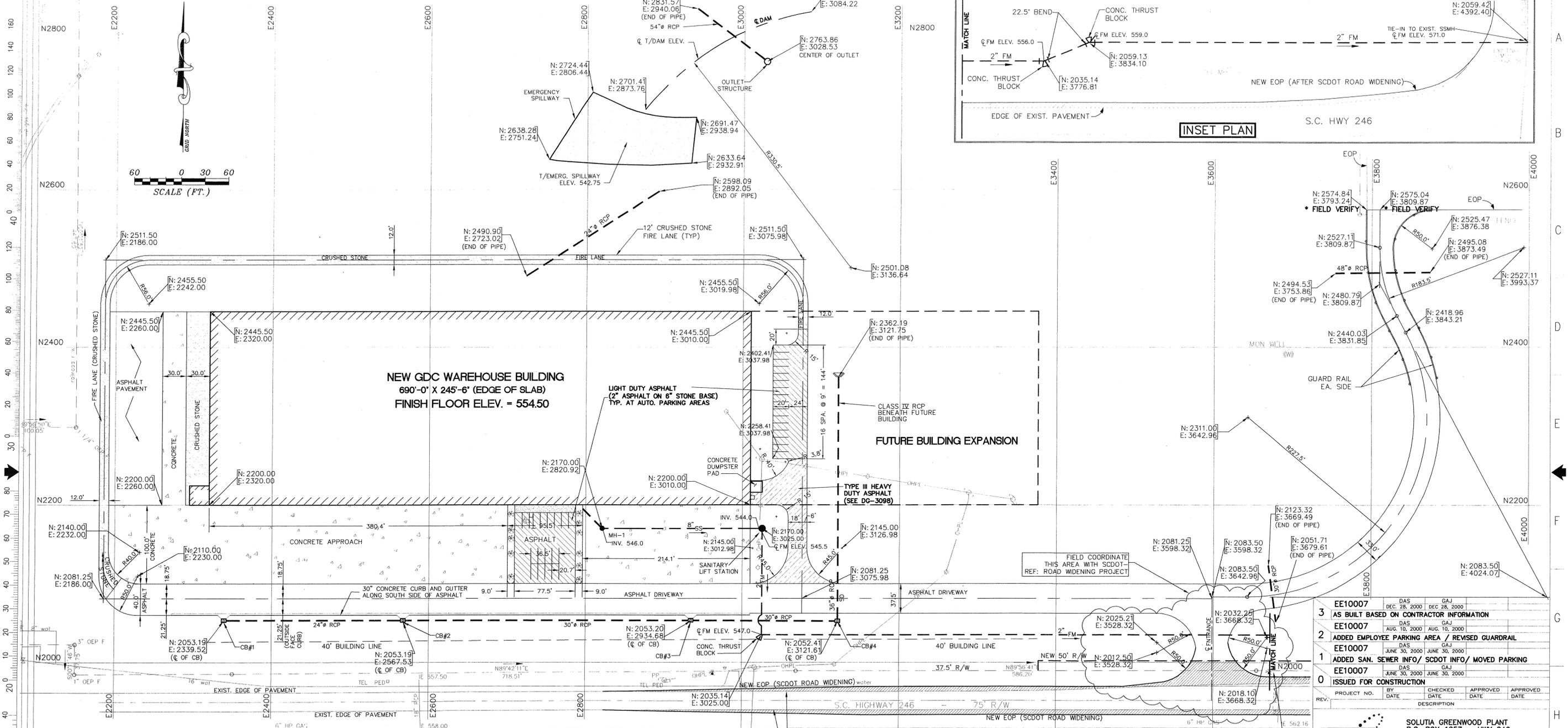
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INSET PLAN

- SANITARY SEWER NOTES**
- PACKAGE LIFT STATION AND FORCE MAIN SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE WASTEWATER COLLECTION SYSTEM SPECIFICATIONS (CURRENT ISSUE JULY 1, 1999) OF THE GREENWOOD METROPOLITAN DISTRICT [(864) 943-8000].
 - CONNECTION/TIE-IN TO EXISTING SAN. SEWER MANHOLE SHALL BE MADE IN THE PRESENCE OF A GREENWOOD METROPOLITAN DISTRICT REPRESENTATIVE. TIE-IN TO EXISTING MANHOLE SHALL BE MADE BY COREDRILLING WITH LINK SEAL TO SEAL CORE HOLE OR EQUAL.
 - FORCE MAIN & LIFT STATION SHALL NOT BE PUT INTO SERVICE UNTIL GREENWOOD METROPOLITAN DISTRICT ISSUES A LETTER OF APPROVAL TO OPERATE.
 - FORCE MAIN SHALL BE CONSTRUCTED AT UNIFORM SLOPE BASED ON CENTERLINE OF PIPE ELEVATIONS SHOWN ON THE DRAWING. MINIMUM COVER ABOVE PIPE SHALL BE 3 FEET.
 - TRENCH BACKFILL SHALL BE IN ACCORDANCE WITH SECTION 3.2.3 OF THE SPECIFICATIONS REFERENCED IN NOTE 1 ABOVE. PVC FORCE MAIN SHALL BE BACKFILLED WITH ASTM C33, #67 STONE - COMPACTED TO 95% STD. PROCTOR (ASTM D698) TO 2" ABOVE PIPE CROWN. REMAINING TRENCH DEPTH SHALL BE BACKFILLED WITH CLASS III BACKFILL, AS APPROPRIATE.
 - LIFT STATION PIPING AND FORCE MAIN SHALL BE 2" SCHEDULE 80 PVC IN CONFORMANCE WITH ASTM D1784, ASTM D441 AND AWWA C900 FOR CLASS 150 PIPE. PVC PIPES SHALL BE TYPE 1, GRADE 1 PVC, 150 PSI WORKING PRESSURE AND 500 PSI INTERNAL HYDROSTATIC PRESSURE FOR 1000 HOURS PER ASTM 1538. LIFT STATION PIPING SHALL BE THREADED PIPE. FORCE MAIN PIPE SHALL BE PUSH-ON TYPE WITH RUBBER RING GASKETS CONFORMING TO ASTM D1869 WITH NON-TOXIC, WATER SOLUBLE VEGETABLE-BASED LUBRICANT.
 - FORCE MAIN SHALL BE INSTALLED WITH AN ELECTRONICALLY OR MAGNETICALLY DETECTABLE TAPE BURIED DIRECTLY OVER THE PIPE 12" BELOW GROUND SURFACE. ALSO, A STRANDED 12 GAUGE COPPER LOCATOR/TRACER WIRE WITH INSULATION RATED UP OR USE BY UL SHALL BE INSTALLED IN THE TRENCH DIRECTLY ABOVE THE PIPE. TRACER WIRE SHALL BE LOOPED INTO "DUMMY" CAST-IRON WATER VALVE BOXES INSTALLED AT GRADE. ONE SHALL BE INSTALLED ADJACENT TO THE LIFT STATION, ONE AT THE DISCHARGE MANHOLE AT TIE-IN, AND ONE MID-WAY (NO MORE THAN 1,000' FROM LIFT STATION). A CONTINUITY CHECK SHALL BE PERFORMED PRIOR TO ACCEPTANCE OF THE FORCE MAIN.
 - FORCE MAIN SHALL SUCCESSFULLY PASS A PRESSURE TEST OF 100 PSI HELD FOR AT LEAST 2 HOURS. ALLOWABLE LEAKAGE SHALL BE IN ACCORDANCE WITH THE FORMULA IN SECTION 4.3.3 OF THE SPECIFICATIONS REFERENCED IN NOTE 1 ABOVE. ALSO, GREENWOOD METROPOLITAN DISTRICT'S TEST FORM SHALL BE COMPLETED AND SUBMITTED AS REQUIRED BY THIS SECTION.
 - FORCE MAIN LIFT STATION SHALL BE DUPLEX FLYGT GRINDER MODEL MP-3067, 3 PHASE, 1.9 HP, 3395 RPM, IMPELLER 211LT. DUMP POINT = 25' FROM SLAB (30.5' STATIC HEAD). FLYGT CONTACT IS JIM PRINCE OF ROBERT L. CARLSON, INC. - CHARLOTTE, NC @ (704) 527-5644. WETWELL SHALL BE 48" DIA. FIBERGLASS REINFORCED PLASTIC (FRP) CONCRETE. INVERT ELEV. = 539.5. PUMP OFF = ELEV. 540.0. LEAD PUMP ON = 542.0. LAG PUMP ON = 542.5. ALARM ON = 543.0. DEPTH OF WETWELL = 17.0' (539.5 - 556.5).

STAKING AND UTILITIES PLAN
SCALE: 1" = 60'-0"

GENERAL NOTES
1. BUILDING COORDINATES SHOWN ARE TO EDGE OF SLAB.

REV.	DESCRIPTION	DATE	BY	CHECKED	APPROVED
3	AS BUILT BASED ON CONTRACTOR INFORMATION	DEC 28, 2000	DAS	GAJ	
2	ADDED EMPLOYEE PARKING AREA / REVISED GUARDRAIL	AUG 10, 2000	DAS	GAJ	
1	ADDED SAN. SEWER INFO / SCDOT INFO / MOVED PARKING	JUNE 30, 2000	DAS	GAJ	
0	ISSUED FOR CONSTRUCTION	JUNE 30, 2000	DAS	GAJ	

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261 AREA GDC
NEW GDC WAREHOUSE STAKING AND UTILITIES PLAN

DRAWN	CHECKED	DESIGNED	PROJECT NO.	PROCESS/AREA	DEPT/SUB-GROUP	TYPE	NUMBER
KLK	DAS	GAJ	EE10007	261		C	
SIZE	SITE DRAWING NO.		DG-3094		REV.	3	



CONSTRUCTION COMPANY
GREENVILLE, SOUTH CAROLINA



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Jul 7, 2000 46