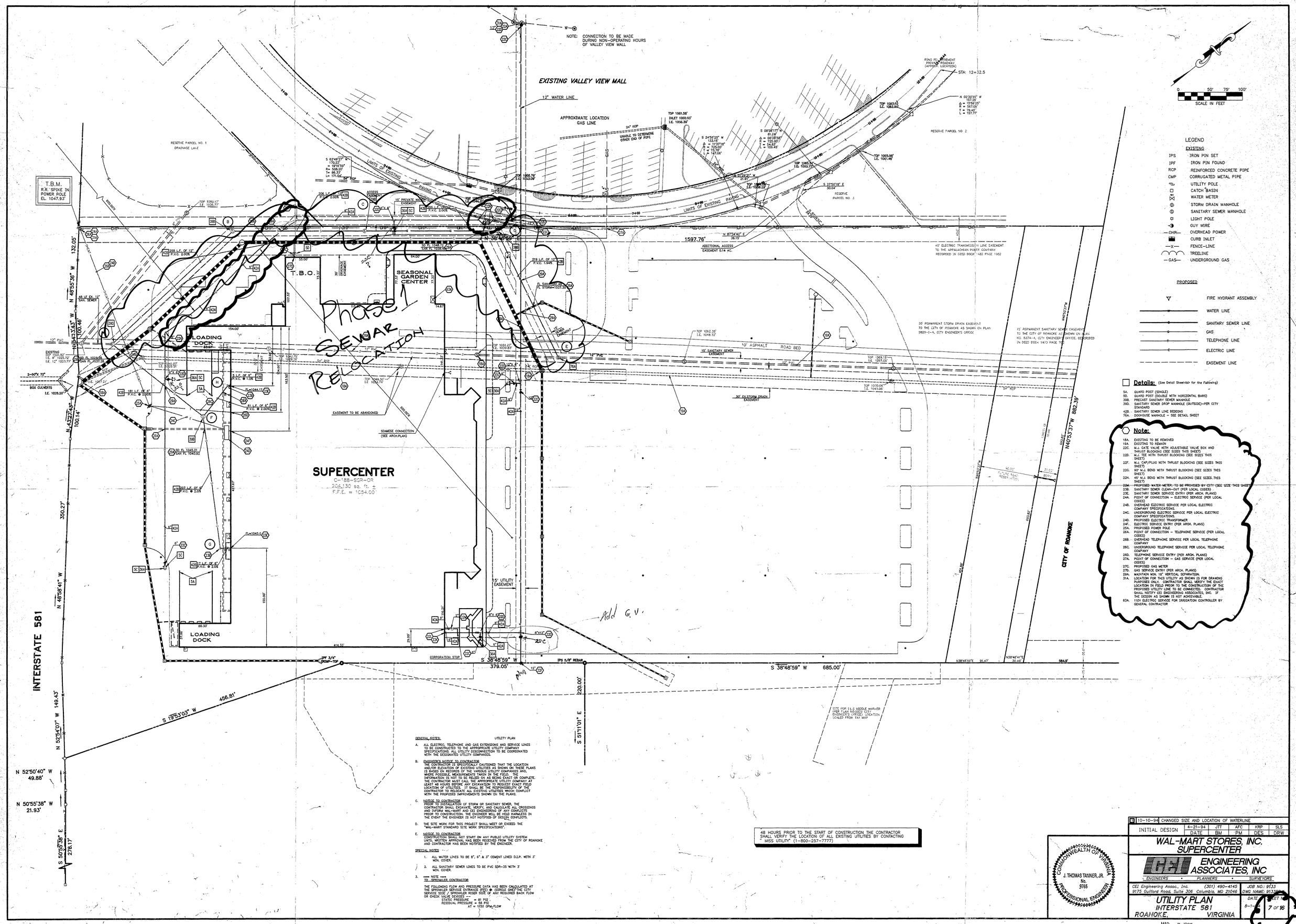

LEGEND

EXISTING

IPS	IRON PIN SET
IPF	IRON PIN FOUND
RCP	REINFORCED CONCRETE PIPE
CMP	CORRUGATED METAL PIPE
	UTILITY POLE
	CATCH BASIN
	WATER METER
	STORM DRAIN MANHOLE
	SANITARY SEWER MANHOLE
	LIGHT POLE
	GUY WIRE
—OHP—	OVERHEAD POWER
	CURB INLET
—X—	FENCE-LINE
	TREELINE
—GAS—	UNDERGROUND GAS

PROPOSED

	FIRE HYDRANT ASSEMBLY
	WATER LINE
	SANITARY SEWER LINE
	GAS
	TELEPHONE LINE
	ELECTRIC LINE
	EASEMENT LINE

Details: (See Detail Sheet<x> for the Following)

5A. GUARD POST (SINGLE)
5D. GUARD POST (DOUBLE WITH HORIZONTAL BARS)
39B. PRECAST SANITARY SEWER MANHOLE
39D. SANITARY SEWER DROP MANHOLE (OUTSIDE)-PER CITY STANDARD
42B. SANITARY SEWER LINE BEDDING
76A. DOOHOUSE MANHOLE - SEE DETAIL SHEET

Note:

18A. EXISTING TO BE REMOVED
19A. EXISTING TO REMAIN
22C. M.J. GATE VALVE WITH ADJUSTABLE VALVE BOX AND THRUST BLOCKING (SEE SIZES THIS SHEET)
22D. M.J. TEE WITH THRUST BLOCKING (SEE SIZES THIS SHEET)
22F. M.J. CAP/PLUG WITH THRUST BLOCKING (SEE SIZES THIS SHEET)
22G. 90° M.J. BEND WITH THRUST BLOCKING (SEE SIZES THIS SHEET)
22H. 45° M.J. BEND WITH THRUST BLOCKING (SEE SIZES.THIS SHEET)
22M. PROPOSED WATER METER-TO BE PROVIDED BY CITY (SEE SIZE THIS SHEET)
23B. SANITARY SEWER CLEAN-OUT (PER LOCAL CODES)
23E. SANITARY SEWER SERVICE ENTRY (PER ARCH. PLANS)
24A. POINT OF CONNECTION - ELECTRIC SERVICE (PER LOCAL CODES)
24B. OVERHEAD ELECTRIC SERVICE PER LOCAL ELECTRIC COMPANY SPECIFICATIONS.
24C. UNDERGROUND ELECTRIC SERVICE PER LOCAL ELECTRIC COMPANY SPECIFICATIONS.
24D. PROPOSED ELECTRIC TRANSFORMER
24F. ELECTRIC SERVICE ENTRY (PER ARCH. PLANS)
25A. PROPOSED POWER POLE
26A. POINT OF CONNECTION - TELEPHONE SERVICE (PER LOCAL CODES)
26B. OVERHEAD TELEPHONE SERVICE PER LOCAL TELEPHONE COMPANY
26C. UNDERGROUND TELEPHONE SERVICE PER LOCAL TELEPHONE COMPANY
26D. TELEPHONE SERVICE ENTRY (PER ARCH. PLANS)
27A. POINT OF CONNECTION - GAS SERVICE (PER LOCAL CODES)
27C. PROPOSED GAS METER
27D. GAS SERVICE ENTRY (PER ARCH. PLANS)
29A. MAINTAIN MIN. 18" VERTICAL SEPARATION.
31A. LOCATION FOR THIS UTILITY AS SHOWN IS FOR DRAWING PURPOSES ONLY. CONTRACTOR SHALL VERIFY THE EXACT LOCATION IN FIELD PRIOR TO THE CONSTRUCTION OF THE PROPOSED UTILITY LINE TO BE CONNECTED. CONTRACTOR SHALL NOTIFY CEI ENGINEERING ASSOCIATES, INC. IF THE DESIGN AS SHOWN IS NOT ACHIEVABLE.
63A. 110V ELECTRIC SERVICE FOR IRRIGATION CONTROLLER BY GENERAL CONTRACTOR

GENERAL NOTES: UTILITY PLAN

A. ALL ELECTRIC, TELEPHONE AND GAS EXTENSIONS AND SERVICE LINES TO BE CONSTRUCTED TO THE APPROPRIATE UTILITY COMPANY SPECIFICATIONS. ALL UTILITY DESCONNECTION TO BE COORDINATED WITH THE DESIGNATED UTILITY COMPANIES.

B. ENGINEER'S NOTICE TO CONTRACTOR
THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE BASED ON THE BEST INFORMATION AVAILABLE TO THE COMPANY AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.

C. NOTICE TO CONTRACTOR
PRIOR TO INSTALLATION OF STORM OR SANITARY SEWER, THE CONTRACTOR SHALL EXCAVATE, VERIFY, AND CALCULATE ALL CROSSINGS AND INFORM WAL-MART AND CEI ENGINEERING OF ANY CONFLICTS PRIOR TO CONSTRUCTION. THE ENGINEER WILL BE HELD HARMLESS IN THE EVENT THE ENGINEER IS NOT NOTIFIED OF DESIGN CONFLICTS.

D. THE SITE WORK FOR THIS PROJECT SHALL MEET OR EXCEED THE "WAL-MART STANDARD SITE WORK SPECIFICATIONS".

E. NOTICE TO CONTRACTOR
CONTRACTOR SHALL NOT START ON ANY PUBLIC UTILITY SYSTEM UNTIL WRITTEN APPROVAL HAS BEEN RECEIVED FROM THE CITY OF ROANOKE AND CONTRACTOR HAS BEEN NOTIFIED BY THE ENGINEER.

SPECIAL NOTES

1. ALL WATER LINES TO BE 8", 6" & 3" CEMENT LINED D.I.P. WITH 3' MIN. COVER.
2. ALL SANITARY SEWER LINES TO BE PVC SDR-35 WITH 3' MIN. COVER.
3. **** NOTE ****
TO SPRINKLER CONTRACTOR

THE FOLLOWING FLOW AND PRESSURE DATA HAS BEEN CALCULATED AT THE SPRINKLER SERVICE ENTRANCE (FEE) ⊕ (CIRCLE ONE) THE CITY SERVICE SIDE / SPRINKLER RISER SIDE OF ANY REQUIRED BACK FLOW OR CHECK VALVE DEVICES ---
STATIC PRESSURE = 85 PSI
RESIDUAL PRESSURE = 55 PSI
AT = 1150 GPM FLOW

48 HOURS PRIOR TO THE START OF CONSTRUCTION THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES BY CONTACTING " MISS UTILITY" (1-800-257-7777)

1	10-10-94	CHANGED SIZE AND LOCATION OF WATERLINE				
INITIAL DESIGN	4-21-94	JTT	AFC	KRP	SLS	
	DATE	BM	PM	DES	DRW	

WAL-MART STORES, INC.
SUPERCENTER

CEI ENGINEERING ASSOCIATES, INC
ENGINEERS • PLANNERS • SURVEYORS

CEI Engineering Assoc., Inc. (301) 490-4145
9175 Guilford Road, Suite 306 Columbia, MD 21046

JOB NO.: 9133
DWG NAME: 9133SPR

COMMONWEALTH OF VIRGINIA
J. THOMAS TANNER, JR.
No. 9765
PROFESSIONAL ENGINEER

UTILITY PLAN
INTERSTATE 581
ROANOKE, VIRGINIA

DATE: 8-1-94
SHEET 7 OF 16

MAR 7 1995

PROJECT: C:\9133\DWG\9133SPR.DWG Tue Oct 11 19:32:07 1994 System 107