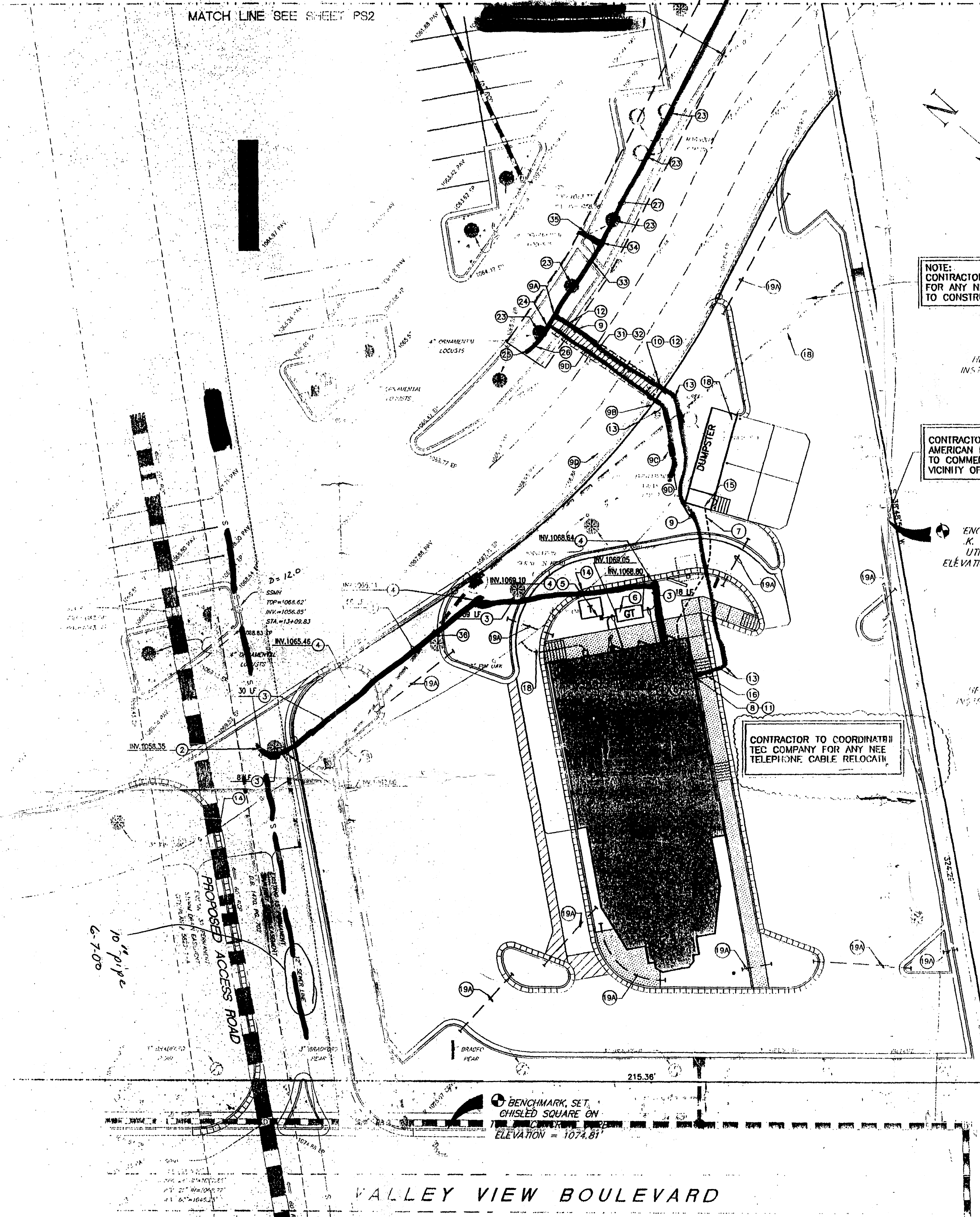


MATCH LINE SEE SHEET PS2



NOTE:
CONTRACTOR TO COORDINATE WITH GAS COMPANY
FOR ANY NEEDED GAS LINE RELOCATION PRIOR
TO CONSTRUCTING ANY UTILITIES.

CONTRACTOR TO COORDINATE WITH
AMERICAN ELECTRIC POWER PRIOR
TO COMMENCING CONSTRUCTION IN
VICINITY OF UTILITY POLE.

ENCHMARK SET
K. NAIL SET IN
UTILITY POLE
ELEVATION = 1072.79'

VACANT
TAX # 2330110
PROPERTY OF
HERSCH 1999 LIMITED
INSTRUMENT # 89-0035644

CONTRACTOR TO COORDINATE
TEC COMPANY FOR ANY NEE
TELEPHONE CABLE RELOCATION

DUCTILE IRON WATER-MAIN THRUST RESTRAINT LENGTHS TABLE		
PIPE SIZE	TYPE OF ENDING	LENGTH OF RESTRAINT JOINT IN FEET
6"	22 1/2" REIN	3 FT.
6"	45" REIN	6 FT.
6"	6" X 6" EFF	1 FT.
6"	DEAD END	23 FT.

UTILITY DESIGN NOTES

- CONTRACTOR TO DETERMINE ACTUAL LOCATION & DEPTH OF EXISTING 10" SANITARY LINE, 12" WATER MAIN, GAS LINE AND ANY UTILITIES LOCATED ON THE SITE PRIOR TO COMMENCING ANY CONSTRUCTION.
- CONNECT TO EXISTING 10" SANITARY LINE AT INV. (+) 1059.35. USE DEEP SEWER CONNECTION. (SEE DETAIL)
- LENGTH AS SPECIFIED.
- SANITARY SEWER CLEANOUT, SEE DETAIL (23) RM TO MATCH FINISHED GRADE.
- SANITARY SEWER CONNECTION AS PER PLUMBING PLANS. SEE ARCHITECTURAL PLANS FOR EXACT LOCATION OF SEWER LINE AND DETAILS FOR S.C.O.
- GREASE TRAP (1000 GAL. MINIMUM). SEE PLUMBING PLANS FOR DETAIL. RM = M.G. 10.2'
- 3/4" DIAMETER COPPER, TYPE "K", WATER SERVICE LINE FOR WASHDOWN, 18" MINIMUM COVER.
- REDUCED PRESSURE ZONE BACKFLOW PREVENTER LOCATED IN MECHANICAL ROOM. (SEE ARCHITECTURAL PLANS FOR EXACT LOCATION).
- FOR COPPER, TYPE "K", WATER SERVICE, 36" MINIMUM COVER.
- 2" TAPPING SADDLE.
- 1" IRRIGATION METER AND METER BOX.
- REDUCED PRESSURE ZONE BACKFLOW PREVENTER, DOUBLE CHECK VALVE ASSEMBLY AND HOT BOX.
- 1/2" DOMESTIC WATER METER WITH METER BOX. *Meters to be in dedicated easement by Ed Trent 3-31-00*
- SEE ARCHITECTURAL PLANS FOR EXACT LOCATION OF WATER CONNECTION.
- CONTRACTOR TO REPLACE CURB AND CHUTE REMOVED FOR WATERLINE INSTALLATION WITH MATERIALS TO MATCH EXISTING.
- 2" - 45' BENDS WITH THRUST BLOCKS.
- MAINTAIN 12" MINIMUM CLEARANCE BETWEEN SANITARY SEWER AND GAS.
- WASHDOWN. SEE ARCHITECTURAL PLANS FOR EXACT LOCATION.
- 2" GATE VALVE.
- GAS METER. SEE PLUMBING PLANS FOR DETAILS. CONTRACTOR TO COORDINATE WITH ROANOKE GAS CO. SEE ARCHITECTURAL PLANS FOR EXACT LOCATION OF METER.
- GAS SERVICE LINE. CONTRACTOR TO COORDINATE WITH ROANOKE GAS CO. AS NEEDED FOR OFFSETS, RELOCATION AND CONFLICTS. MAINTAIN 12" CLEARANCE WHERE CROSSINGS EXIST WITH OTHER UTILITIES.
- SEE IRRIGATION PLAN FOR CONTINUATION OF IRRIGATION PIPING.
- DIAMETER PVC CONDUIT FOR IRRIGATION SYSTEM (IRRIGATION SYSTEM BY NATIONAL ACCOUNT LANDSCAPE CONTRACTOR). ENDS TO BE CAPPED AND EXTEND 2' INTO LANDSCAPED AREA. ENDS SHALL BE MARKED ABOVE GROUND. CONDUIT TO BE ± 24" DEEP. IF CLEARANCE BETWEEN CONDUIT AND ANOTHER UTILITY IS LESS THAN 12" INSTALL A NEOPRENE PAD.
- NOT USED.
- NOT USED.
- NOT USED.
- CONTRACTOR SHALL AVOID TREES, ANY TREES THAT ARE REMOVED MUST BE REPLACED SAME SIZE AND TYPE OR TREE AND AREA MUST BE RESTORED TO ORIGINAL CONDITION.
- 1/2" CORPORATION STOP.

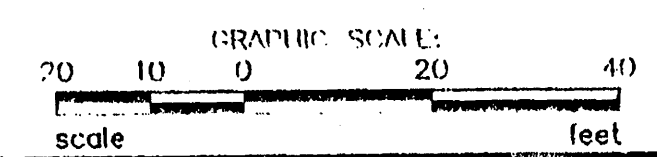
- NOTE
- 6" BLIND FLANGE W/ TAPPED JOINT. *Install 9' low OFF (3-31-00 Ed Trent)*
 - 6" GATE VALVE
 - 6" DUCTILE IRON WATERLINE, 36" MIN. COVER.
 - 6" - 45' BEND W/ MEGALUG RESTRAINTS
 - 6" - 22 1/2" BEND WITH MEGALUG RESTRAINTS
 - 12" X 6" TAPPING SLEEVE AND VALVE
 - 6" H CUT PAVEMENT FOR WATERLINE INSTALLATION. SEE DETAILS FOR TRAFFIC CONTROL.
 - SEE DETAILS FOR PAVEMENT PATCH, RESURFCE PAVEMENT AS REQUIRED.
 - CONTRACTOR TO REPLACE CONCRETE SWALE REMOVED FOR WATERLINE INSTALLATION WITH MATERIALS TO MATCH EXISTING.
 - 6" X 6" TEE WITH TWO TYPES OF RESTRAINTS.
 - FIRE HYDRANT ASSEMBLY W/ 6" GATE VALVE. SEE DETAIL.
 - SANITARY OVER STORM, 6" CLEARANCE. INSTALL NEOPRENE PAD.

TH 237,205

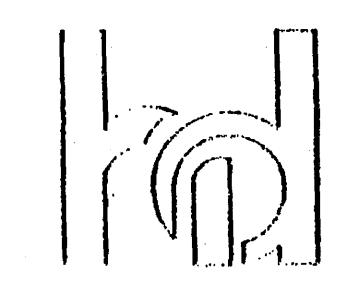
Revised

3-30-00

530'± - 6" water main



NOTES:
THIS PLAN DOES NOT GUARANTEE THE LOCATION OF EXISTING UNDERGROUND UTILITIES. CONTRACTOR TO DETERMINE ACTUAL LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO MOBILIZATION. IF CONFLICTS EXIST, NOTIFY FIELDER.
BEFORE DIGGING CONTACT "MISS UTILITY" AT 1-800-652-7001.



HORTON & DODD, P.C. Surveyors, Engineers, Planners			
300 George Washington Highway, North Chesapeake, Virginia 23323			
DATE: 1-1-00	SCALE: 1"=20'	REFERENCE: 15762/SHE3-17	SHEET: 6
DATE: 3-17-00	W-D: 15762		

Series 97-120
5200 Buffington Road
Atlanta, Georgia 30349-2998
Telephone 404-765-8000

774
Chick-fil-A

1805 VALLEY VIEW BOULEVARD
ROANOKE, VIRGINIA

UTILITY PLAN

Project Date: _____
Date Revision
3-1-00 REVISED PER FIELD CONDITIONS & COMMENTS
3-18-00 REVISED PER CITY OF ROANOKE & FIELD COMMENTS, DATED 3-1-00

PS1