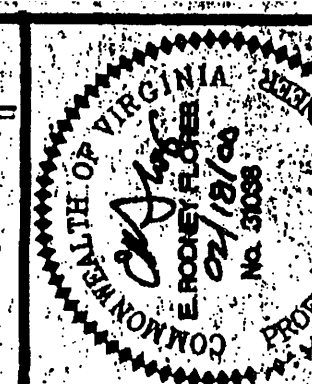
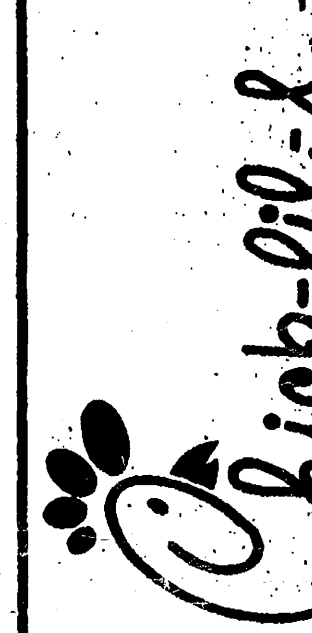




Series 97-120
5200 Buffington Road
Atlanta, Georgia 30349-2998
Telephone 404-765-8000



4805 VALLEY VIEW BOULEVARD
ROANOKE, VIRGINIA

Project Date:	
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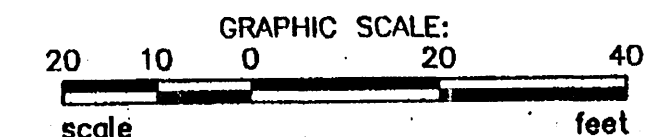
PS

UTILITY DESIGN NOTES

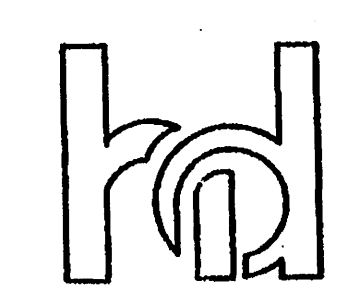
- CONTRACTOR TO DETERMINE ACTUAL LOCATION & DEPTH OF EXISTING 10" SANITARY LINE, 12" WATER MAIN, GAS LINE AND ANY UTILITIES LOCATED ON THE SITE PRIOR TO COMMENCING ANY CONSTRUCTION.
- CONNECT TO EXISTING 10" SANITARY LINE AT INV. (±) 1058.35. USE DEEP SEWER CONNECTION. (SEE DETAIL)
- 4" DIAMETER PVC SANITARY SEWER @ 1.04% LENGTH AS SPECIFIED.
- SANITARY SEWER CLEANOUT, SEE DETAIL. RIM TO MATCH FINISHED GRADE.
- SANITARY SEWER CONNECTION AS PER PLUMBING PLANS. SEE ARCHITECTURAL PLANS FOR EXACT LOCATION OF SEWER TIE-IN AND DETAILS FOR S.C.O.
- GREASE TRAP (1000 GAL. MINIMUM). SEE PLUMBING PLANS FOR DETAIL. RIM = M.G. +0.2'.
- 3/4" DIAMETER COPPER, TYPE "K", WATER SERVICE LINE FOR WASHDOWN, 36" MINIMUM COVER.
- REDUCED PRESSURE ZONE BACKFLOW PREVENTER LOCATED IN MECHANICAL ROOM. (SEE ARCHITECTURALS FOR EXACT LOCATION).
- 2" DIAMETER COPPER, TYPE "K", WATER SERVICE LINE FOR DOMESTIC 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.
- 1-1/2" DIAMETER PVC, WATER LINE FOR IRRIGATION SERVICE, 36" MINIMUM COVER. (SEE IRRIGATION PLAN FOR CONTINUATION).
- 1 1/2" DOMESTIC WATER METER WITH METER BOX.
- SEE ARCHITECTURAL PLANS FOR EXACT LOCATION OF WATER CONNECTION.
- CONTRACTOR TO REPLACE CURB AND GUTTER REMOVED FOR WATERLINE INSTALLATION WITH MATERIALS TO MATCH EXISTING.
- 2" - 45° BENDS WITH THRUST BLOCKS.
- SANITARY SEWER SHALL PASS UNDER GAS LINE. 12" MIN. CLEARANCE.
- 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.
- 4" 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 OF TREE AND AREA MUST BE RESTORED TO ORIGINAL CONDITION.
- 1 1/2" CORPORATION STOP.
- 6" BLIND FLANGE W/ KICKER JOINT.
- 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.
- OPEN CUT PAVEMENT FOR WATERLINE INSTALLATION. SEE DETAILS FOR TRAFFIC CONTROL.
- SEE DETAILS FOR PAVEMENT PATCH. RESTRIPE 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.

Horizon Const. Company
Job Super: Keith Coleman
Cell # 678-643-8262

Water Contractor: Double-K Const.
Don Dunford
563-0467
Data Stated: 4-10-00
Completed: 5-11-00
Tested Line: 5-8-00



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 ENGINEER.
BEFORE DIGGING CONTACT "MISS UTILITY" AT 1-800-552-7001.



HORTON & DODD, P.C. Surveyors Engineers Planners (757) 487-4535			
300 George Washington Highway North Chesapeake, Virginia 23323			
DES. BY: ERF	SCALE: 1"=20'	REFERENCE BOOK 15762 SITE OFF 11-03	SHEET 7
DRW. BY: MGH	DATE: 12-10-99	W.O. 15762	OF 13
CHK'D BY: ERF			