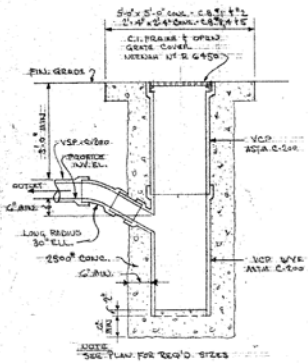
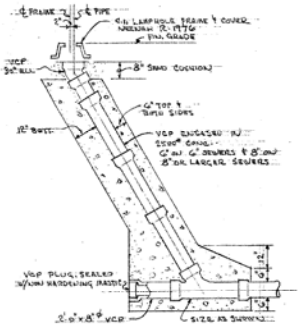


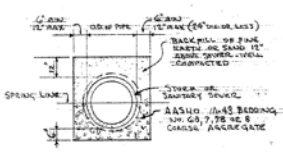
TYPICAL CATCH BASIN DETAIL

NO SCALE



CLEANOUT & LAMP HOLE DETAIL

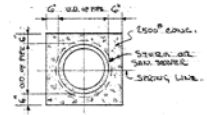
NO SCALE



TYP. SEWER TRENCH DETAIL

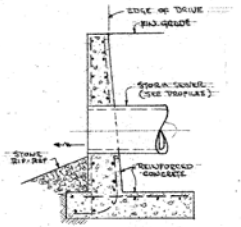
NO SCALE

NOTE:
ALL SEWERS W/LESS THAN 2'-0" OF COVER SHALL BE ENCASED IN CONCRETE



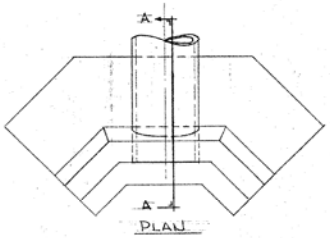
CONCRETE ENCASEMENT DETAIL

NO SCALE



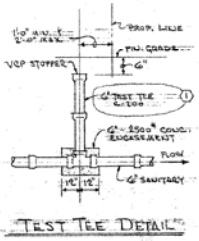
SECTION "A-A"

RIP-RAP TRUCKS:
RIP-RAP SHALL BE CARRIED ALONG THE OUTER EDGE OF CURBS TO POINT OF TANGENCY - MIN. OF 5'-0"
MIN. LENGTH TO BE 4 x TIPS DIA. W/MIN OF 8'-0"
MIN. HEIGHT TO BE TIPS DIAMETER
MATERIAL TO BE FAIRLY FLAT STONE OR P.C. CONC. BLK. (3000#)
SIZE - MIN. THICKNESS OF 9" & (MIN. VOL. OF 1 CU.FT.



PLAN

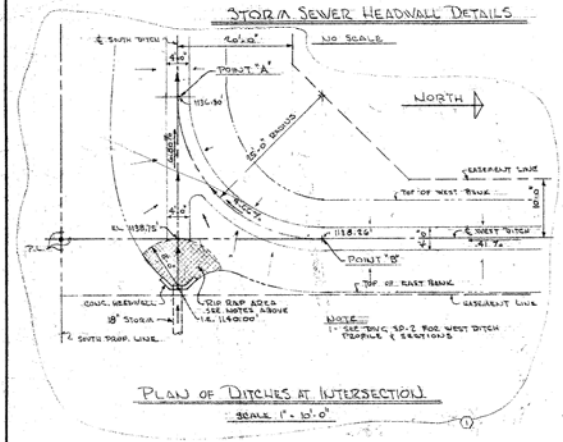
NOTE
1- HEADWALL CONSTRUCTION TO BE IN ACCORDANCE W/ SHEET U14 OF CUYAHOGA COUNTY SANITARY ENGRS. DEPT. STANDARDS FOR CANTILEVER HEADWALLS.



TEST TEE DETAIL

NO SCALE

STORM SEWER HEADWALL DETAILS



PLAN OF DITCHES AT INTERSECTION

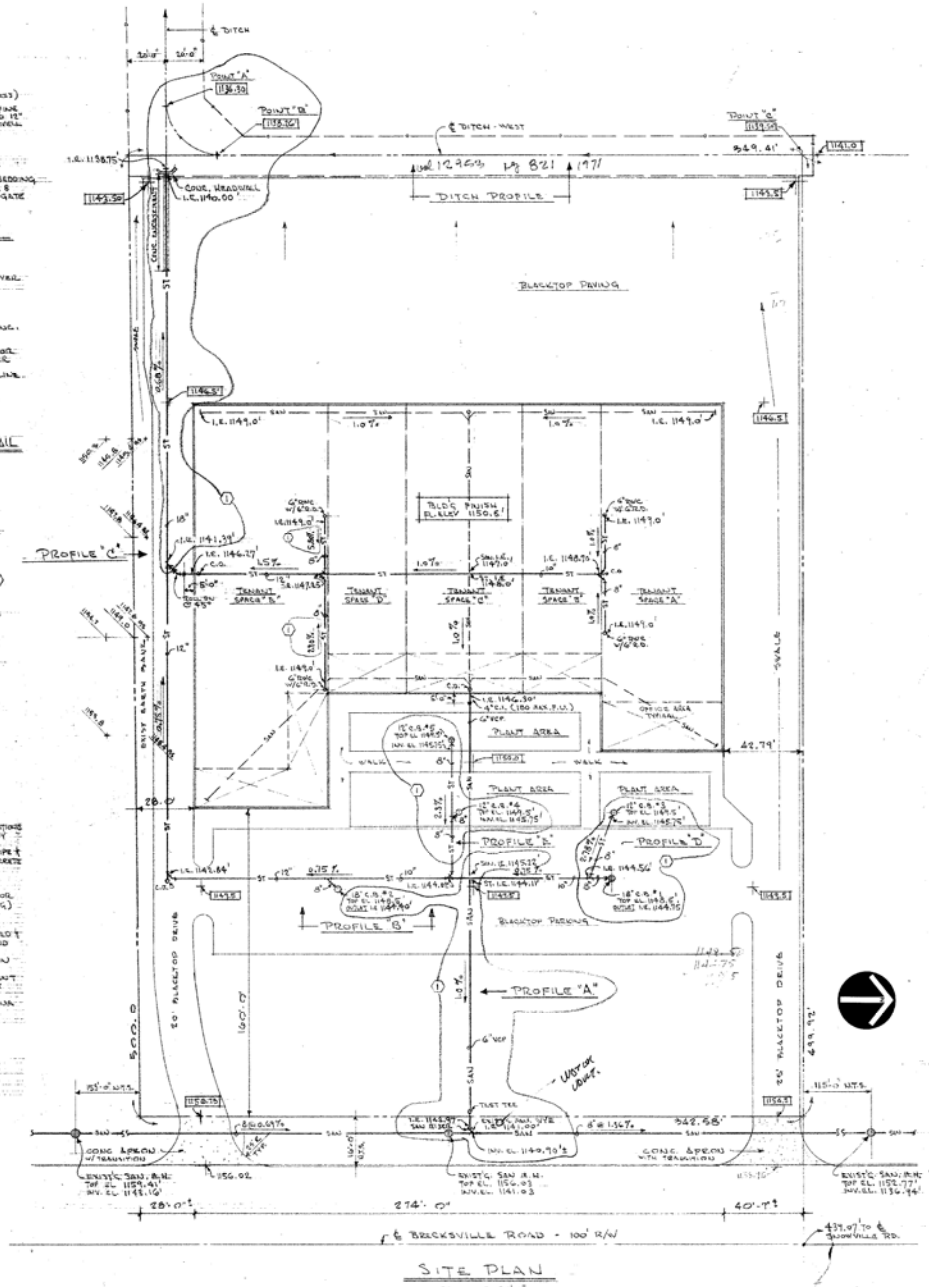
SCALE 1" = 10'-0"

GENERAL NOTES

1- ALL SEWER CONSTRUCTION SHALL CONFORM TO THE SPECIFICATIONS AND CONSTRUCTION DETAILS OF CUYAHOGA COUNTY SANITARY ENGINEERING DEPT.
2- AT SANITARY & STORM CROSSINGS ENCASE THE LOWEST PIPE & MONOLITHICALLY CRADLE THE UPPER PIPE IN 2500# CONCRETE FOR THE WIDTH OF TRENCH.
3- SANITARY SEWERS TO BE VCP C-200 W/PREMIUM JOINTS ASTM C-425
4- STORM SEWERS TO BE VCP C-200 W/ RUB SEAL JOINTS AND/OR REINFORCED CONC. PIPE C-76 CLASS II (CLASS III UNDER PAVING)
5- ALL SEWERS W/LESS THAN 3'-0" COVER TO GRADE SHALL BE ENCASED IN 2500# CONC. (SEE DETAIL THIS DWG.)
6- STORM DRAINAGE BASED ON 3" RAINFALL (3 CFS/ACRE FOR PAVED & IMPERVIOUS AREAS AND 1CFS/ACRE FOR PERVIOUS AREAS) AND KUTTERS N=0.015 FOR PIPING 27" AND SMALLER.
7- STORM DITCHES BASED ON KUTTERS FORMULA FOR FLOW IN OPEN CHANNELS " N=0.035 - SLOPE AS NOTED
8- SANITARY MANHOLE TOPS TO BE DETERMINED BY FUTURE TENANT REQ'TS. DITTED LINES SHOW MAXIMUM TOPS TO INTERPRETE INV. ELEVS. OF EXTERIOR SEWER
9- GRADES BASED ON SURVEY PREPARED BY WHEELER & MELENA DATED OCT. 1971 (SEE REF. DWG. Nº 2)

LEGEND

—ST— STORM SEWERS
—SAN— SANITARY SEWERS
1145.0 NEW FINISH GRADES



SITE PLAN

SCALE 1" = 30'-0"

THE BLAIRE CONSTRUCTION CO., INC.
1742 EAST TWENTY THIRD STREET
CLEVELAND, OHIO 44114
AREA CODE 216 PHONE 621-5125

ROBERT I. BROIDA · ARCHITECT
ROBERT F. KELLER · ENGINEER

OFFICE & WAREHOUSE
FOR
LAWRENCE COVEN & ASSOC.
BRECKSVILLE & SNOWVILLE ROADS
BRECKSVILLE, OHIO

JOB NO. 6932

DATE 6-10-71

REVISION NO.
11/4/71 FOR CONS. APPL.
REV. NO. 1 GENL. REVISION TO PLAN & ADD NO. 1 11/22/71
12/21/71 BLDG. PERMIT

DRAWING NO.

SP-1