

GENERAL NOTES

- UNLESS SHOWN OR OTHERWISE STATED ON THESE DRAWINGS, MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF WICHITA STANDARD SPECIFICATIONS.
- CONNECTING TO EXISTING STRUCTURES:
PRIOR TO LAYING SEWER LINES USING EXISTING STUBS IN EXISTING STRUCTURES, THE CONTRACTOR SHALL EXPOSE AND VERIFY THE ELEVATION, GRADE AND ALIGNMENT OF EXISTING STUBS AND NOTIFY THE ENGINEER OF ANY DEVIATION FROM THE PLAN. WHERE CONNECTION TO AN EXISTING STRUCTURE THAT DOES NOT HAVE AN EXISTING STUB OR THE STUB IS UNUSABLE DUE TO ELEVATION GRADE OR ALIGNMENT, THE CONTRACTOR SHALL BORE CUT INTO EXISTING STRUCTURE WALL TO MAKE CONNECTION USING APPROVED WATER STOP GASKET AND RESHAPE THE EXISTING INVERT TO PROVIDE SMOOTH FLOW. THE COST OF CONNECTING TO EXISTING STRUCTURES IS INCIDENTAL TO THE PROJECT.
- ALL STUBS AND PLUGGED PIPES SHALL BE LOCATED WITH GREEN PLASTIC TAPE IN THE SAME MANNER AS PIPERS.
- COST OF EXCAVATION, HAULING AND DUMPING OF EXCESS EXCAVATION SHALL BE SUBSIDIARY TO THE PROJECT.
- ALL CONCRETE SHALL BE STANDARD PAVING MIX UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY TREES. THE CONTRACTOR SHALL BE REQUIRED TO RE-ESTABLISH ANY PROPERTY TREES WHICH ARE DAMAGED OR DESTROYED BY HIS CONSTRUCTION OPERATIONS. SUCH TREES SHALL BE RE-ESTABLISHED BY A LICENSED LAND SURVEYOR IN ACCORDANCE WITH STATE LAWS.
- TREES TO BE REMOVED ARE MARKED . ALL TREES WHICH IN THE OPINION OF THE FIELD ENGINEER CAN BE SAVED, SHALL BE SAVED.
- CONTRACTOR SHALL NOTIFY UTILITY COMPANIES OF CONSTRUCTION SCHEDULING.
- EXISTING UTILITIES AND THEIR LOCATIONS, AS SHOWN ON THE PLANS REPRESENT THE BEST INFORMATION OBTAINABLE FOR DESIGN. LOCATION INFORMATION HAS BEEN OBTAINED FROM THE VARIOUS COMPANIES AND IS EITHER FROM COMPANY UTILITY DRAWINGS OR COMPANY PROVIDED FIELD LOCATIONS. THE PLAN LOCATIONS SHOWN ARE NOT GUARANTEED. ADDITIONAL EXISTING UTILITIES MAY ALSO BE ENCOUNTERED.
- CONTRACTOR WILL BE REQUIRED TO PROVIDE A MINIMUM ADVANCE NOTICE OF SEVENTY-TWO (72) HOURS TO UTILITY COMPANIES TO STARTING ANY EXCAVATION AS FOLLOWS:

KANSAS ONE-CALL 800-344-7233
OR 687-2470 (LOCAL WICHITA)

THE CONTRACTOR MUST NOTIFY THE FOLLOWING IN CASE OF EMERGENCY:

COX COMMUNICATIONS (CABLE) 262-0661
WESTAR (ELECTRIC) 261-6512
KANSAS GAS SERVICE (GAS) 832-3101
SBC (TELEPHONE) 800-870-8330
CITY OF WICHITA WATER & SEWER 262-6000
AQUILA (GAS) 945-0056
- RUBBLE FROM THE REMOVAL OF MISCELLANEOUS STRUCTURES AND EXCESS EXCAVATION WHICH IS TO BE WASTED SHALL BE DISPOSED OF ON SITES TO BE PROVIDED BY THE CONTRACTOR. THESE SITES SHALL BE APPROVED BY THE ENGINEER AS TO SUITABILITY, APPEARANCE AND SITE LOCATION. LOCATIONS THAT, IN THE OPINION OF THE ENGINEER, WILL LEAVE AN UNSIGHTLY APPEARANCE WILL NOT BE APPROVED. ALL DISPOSAL SITES MUST BE APPROVED BY THE KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT. MATERIAL EITHER STOCKPILED OR DISPOSED OF IN A FLOOD PLAIN WOULD REQUIRE A KANSAS STATE BOARD OF AGRICULTURE PERMIT. ANY MATERIAL DUMPED IN WATERS OF THE UNITED STATES OR WETLANDS IS SUBJECT TO U.S. CORPS OF ENGINEERS PERMITTING REGULATIONS. ANY MATERIAL BURIED OR STOCKPILED BEYOND APPROVED CONSTRUCTION LIMITS WOULD REQUIRE ADDITIONAL ARCHAEOLOGICAL INVESTIGATIONS UNLESS BURIED IN A PREVIOUSLY APPROVED BORROW LOCATION.
- TREES AND SHRUBS IN PUBLIC RIGHT-OF-WAY WHICH ARE IN DIRECT CONFLICT WITH PROPOSED NEW CONSTRUCTION SHALL BE REMOVED BY THE CONTRACTOR WITH THE ENGINEER'S APPROVAL. TREES AND SHRUBS WHICH ARE NOT IN DIRECT CONFLICT WITH PROPOSED NEW CONSTRUCTION SHALL BE SAVED AND PROTECTED FROM DAMAGE.
- ALL DISTURBED AREAS TO BE SEED WITH RYE GRASS AT A RATE OF 200 LBS. PER ACRE WITHIN 10 DAYS OF CONSTRUCTION. CONTRACTOR TO PREPARE GROUND PER CITY SPECIFICATIONS. COST IS SUBSIDIARY TO SITE PREPARATION AND RESTORATION.

APPROVED AS NOTED
BY CITY ENGINEER OF WICHITA

STORM SEWERS

NOTE TO CONTRACTOR

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PRIVATE STORM SEWER PLANS FOR

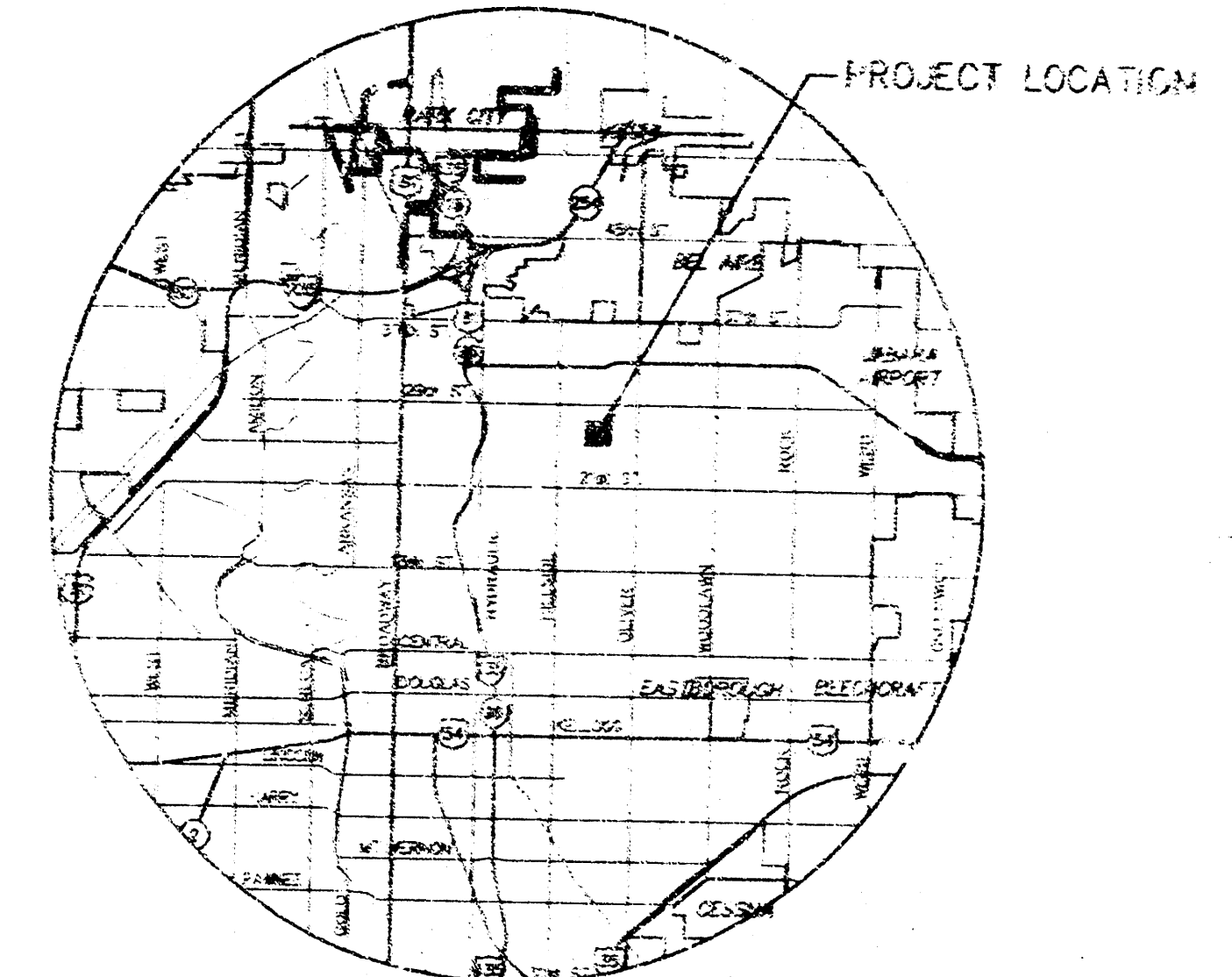
USD #259 BUCKNER ELEMENTARY SCHOOL

AN ADDITION TO THE CITY OF WICHITA
SEDGWICK COUNTY, KANSAS

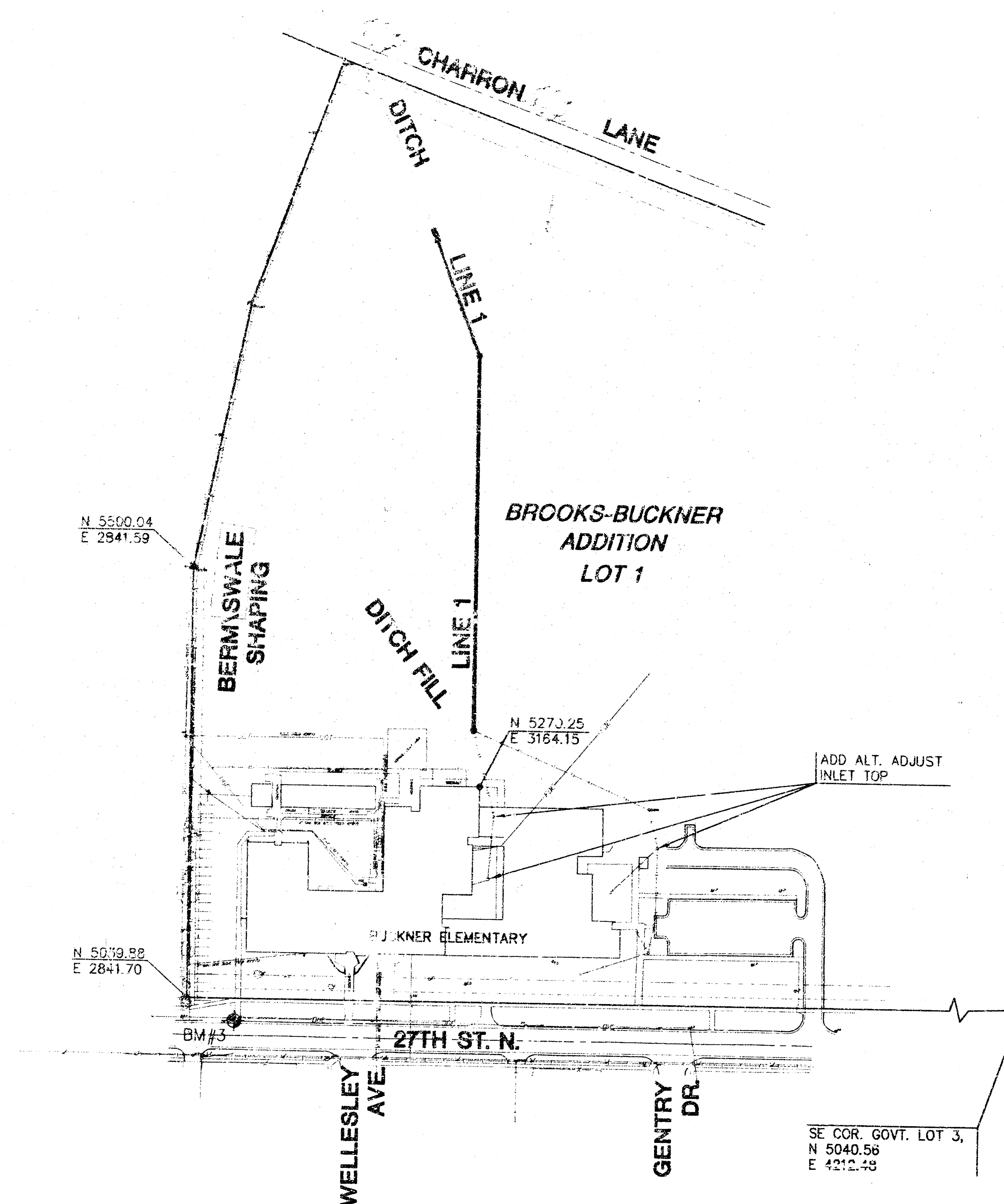
PROJECT NO. 1548 PPS

JM ARMOUR, P.E. - CITY ENGINEER

OCA 607861



VICINITY MAP



SCALE: 1" = 100'

INDEX TO DRAWINGS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	MANHOLE DETAILS
3-4	SWS LINE 1
5	PLAT

BENCHMARKS

- BM #3 -  top of curb on N. side of 27th Street North 57.5' East of power pole at Southwest corner of Buckner Elementary School property. (N 5015.42, E 2894.14)
Elevation=157.79 (city datum)
1029.61 (USGS)

AS-BUILT DECEMBER 2005

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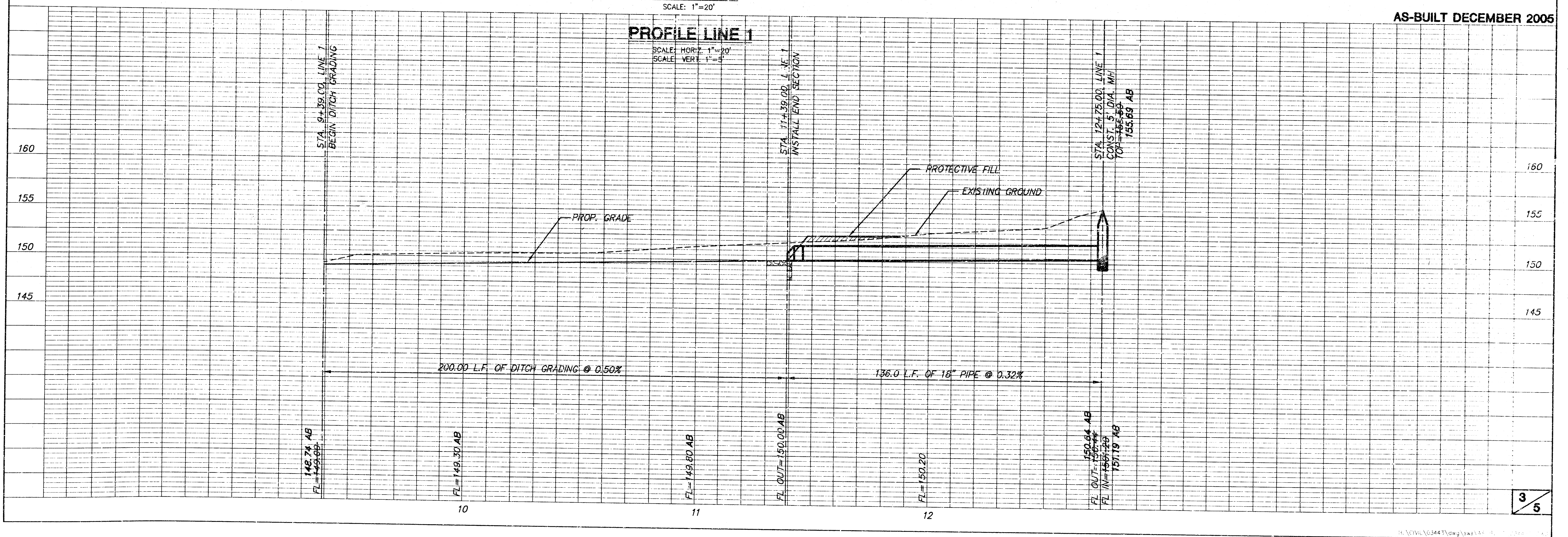
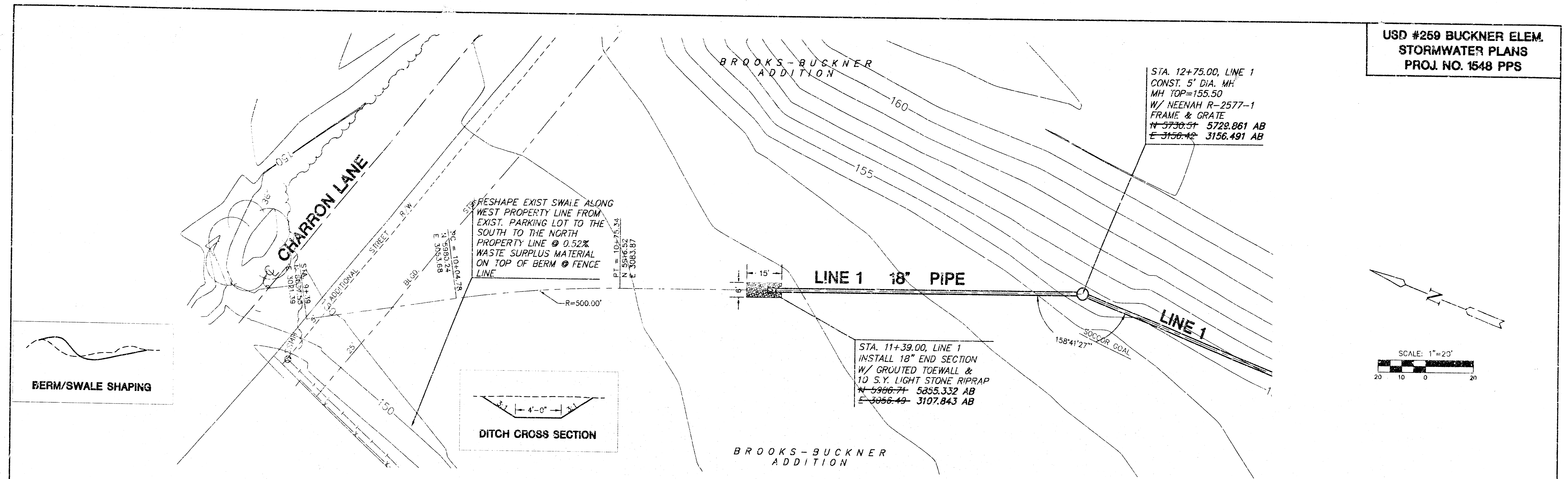


USD #259 BUCKNER ELEMENTARY SCHOOL
PROJECT NAME

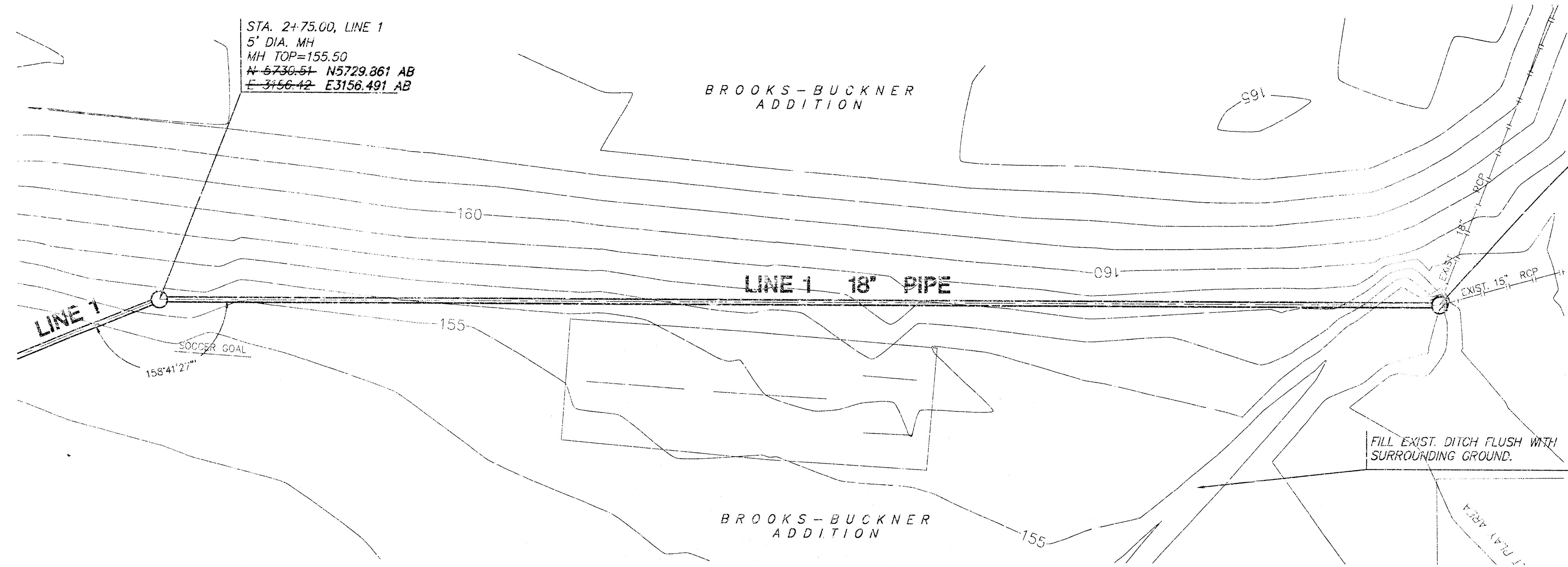
PRIVATE STORM SEWER PLANS
SHEET TITLE

JTC	KWS	JTC
DESIGN BY:	DRAWN BY:	CHECKED BY:
MAY 2005	03443	1 / 5
DATE	JOB NO.	SHEET/OF

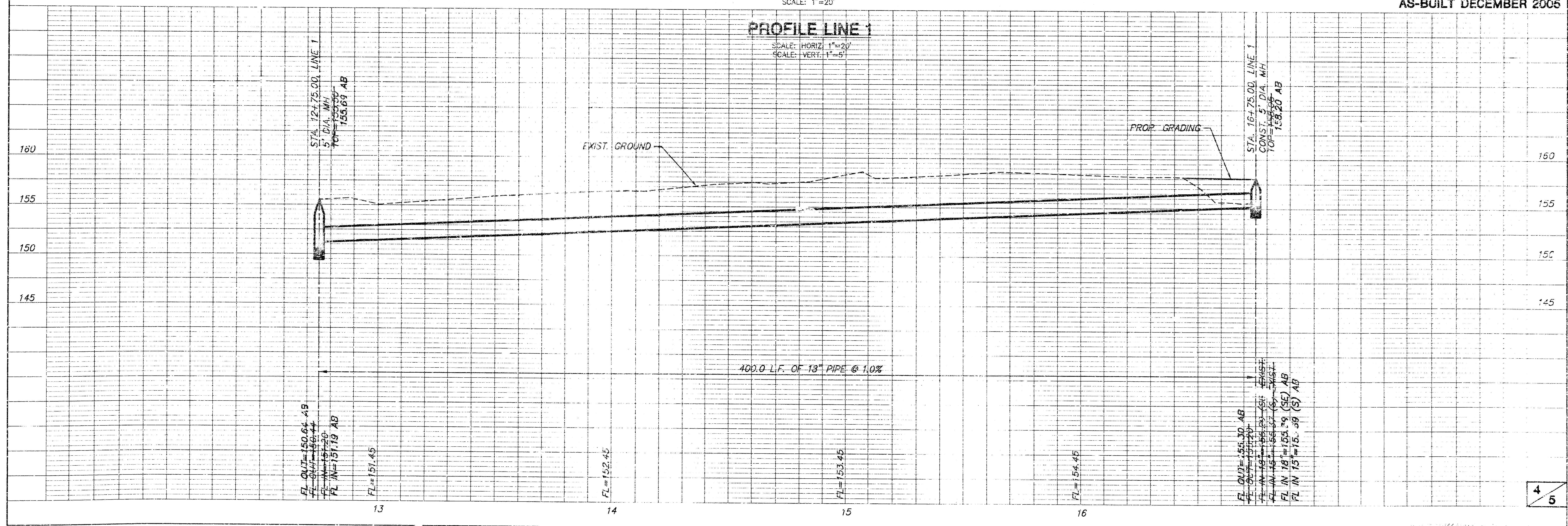
USD #259 BUCKNER ELEM.
STORMWATER PLANS
PROJ. NO. 1548 PPS



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STORMWATER PLANS
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AS-BUILT DECEMBER 2005



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APPROVED AS NOTED
BY CITY ENGINEER OF WICHITA

STORM SEWERS VRH 5/5/05

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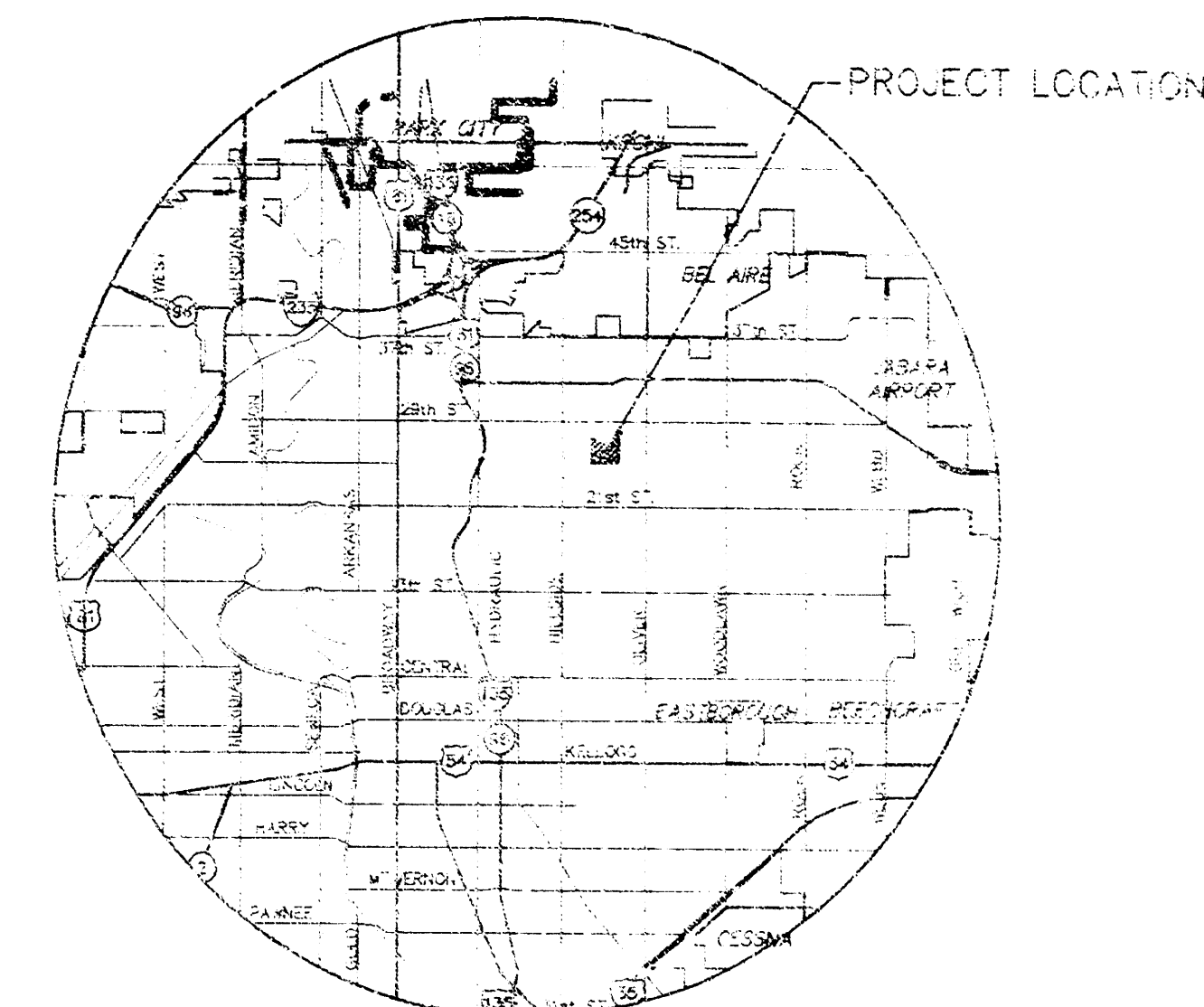
USD #259 BUCKNER ELEMENTARY SCHOOL

AN ADDITION TO THE CITY OF WICHITA
SEDGWICK COUNTY, KANSAS

PROJECT NO. 1548 PPS

JIM ARMOUR, P.E. - CITY ENGINEER

OCA 607861



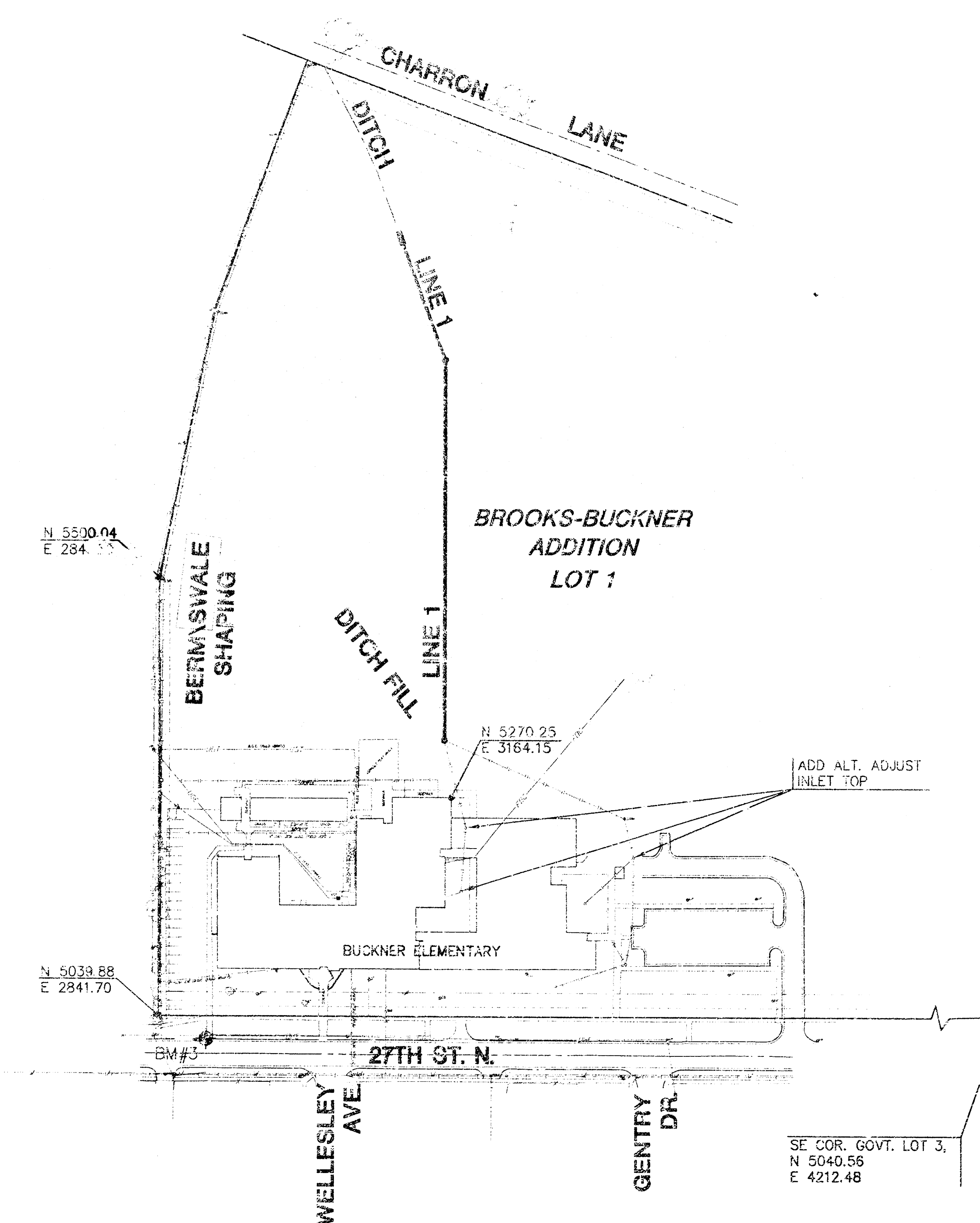
VICINITY MAP

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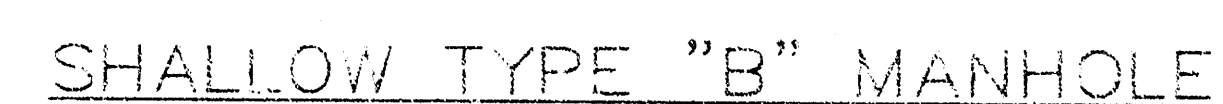
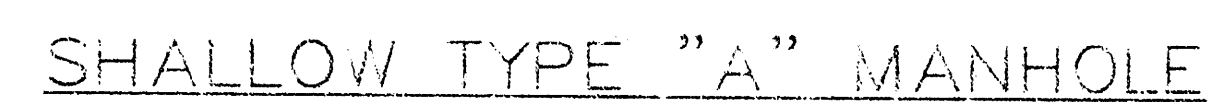
H:\CIVIL\03443\DWG\SWS\03443-SET

MKEC
ENGINEERING
CONSULTANTS
411 N. WEBB ROAD
WICHITA, KS. 67206
316-684-9600

USD #259 BUCKNER ELEMENTARY SCHOOL
PROJECT NAME

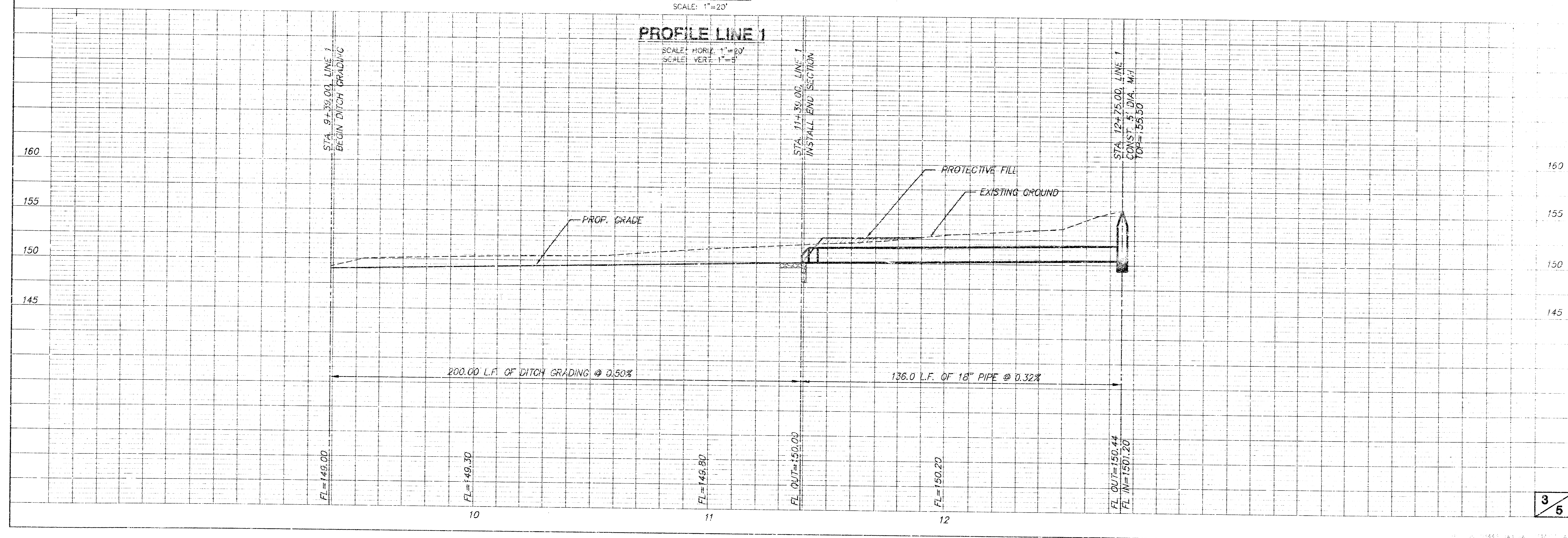
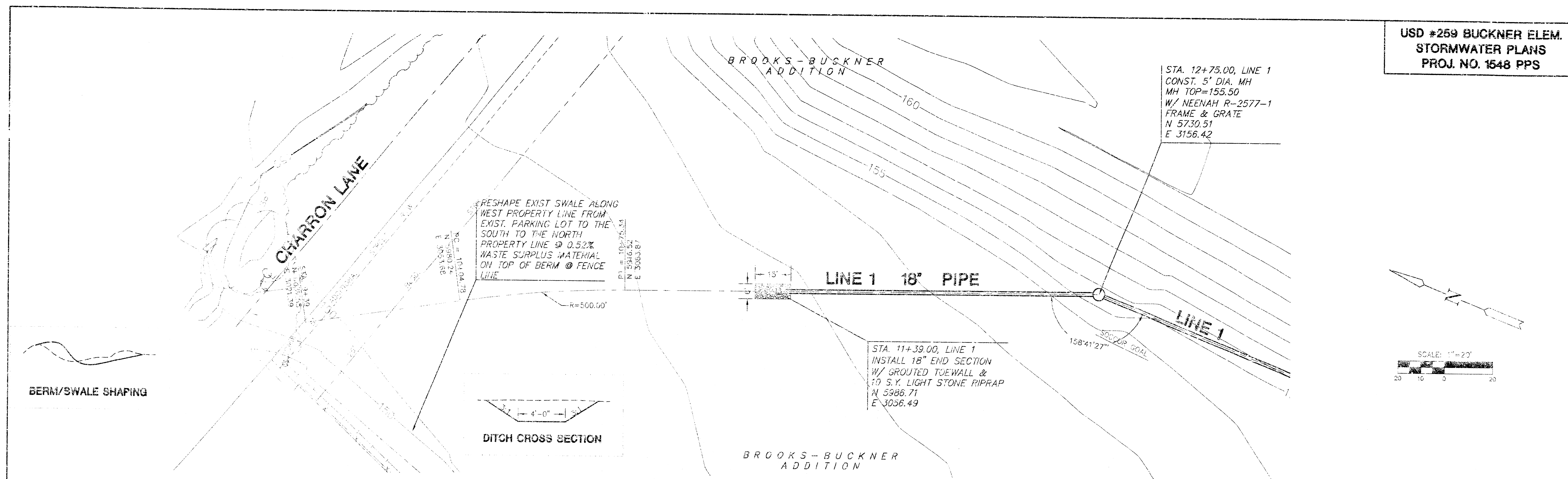
PRIVATE STORM SEWER PLANS
SHEET TITLE

JTC DESIGN BY:	KWS DRAWN BY:	JTC CHECKED BY:
MAY 2005 DATE	03443 JOB NO.	1 / 5 SHEET/OF

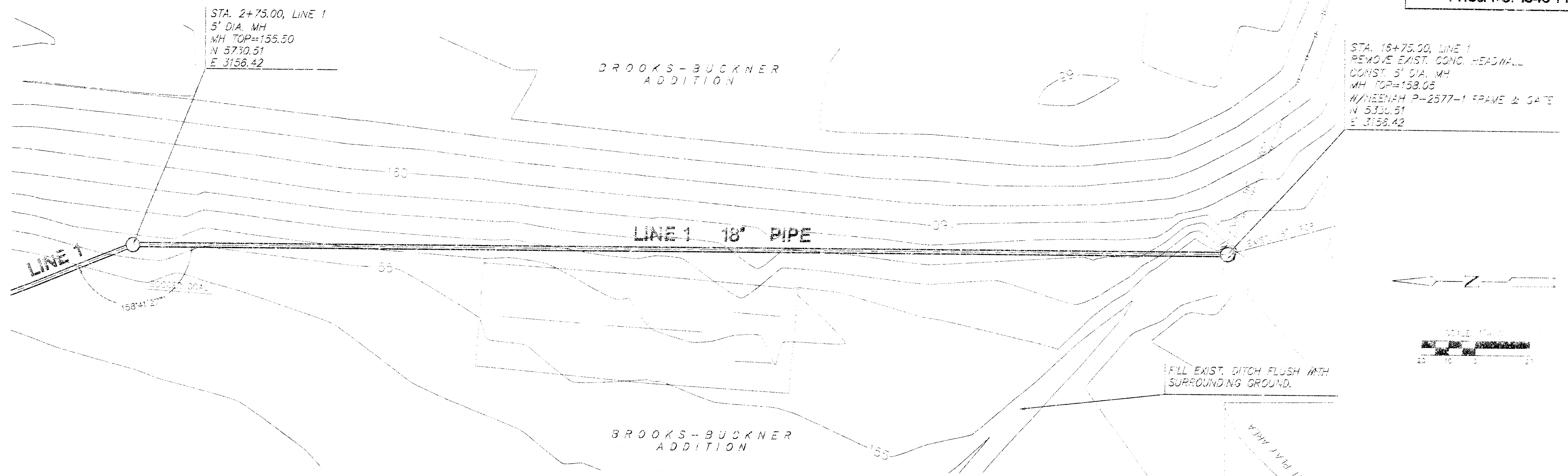


GENERAL NOTES

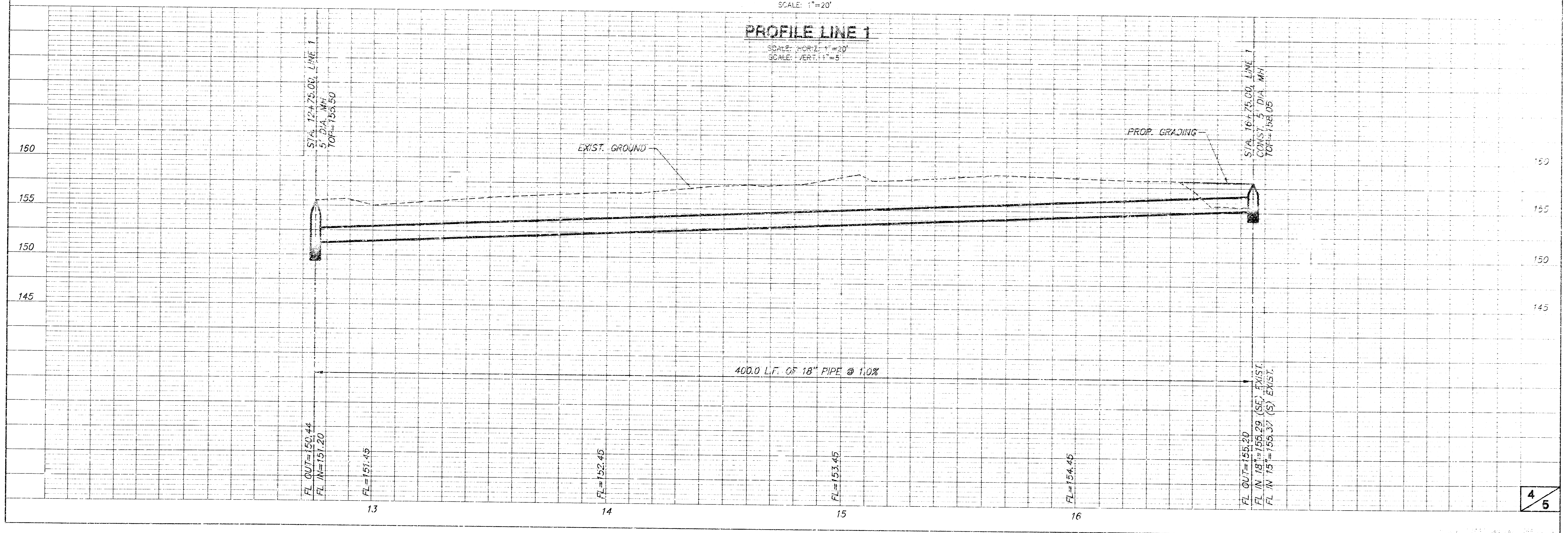
1. Manhole uses in masonry construction shall be of the same size of standard cast pipe. All concrete and masonry pieces shall conform to the requirements of concrete for concrete masonry construction as specified in the city standards. All castings, including manhole covers, shall be made of cast iron or cast aluminum. Manhole shall be placed under the manhole ring or shown on the drawings when manholes are connected in approved ways. Type of structure material can be used as shown on drawings. All manholes installed within public street pavement. When they are constructed where pipe sizes are smaller than 48" shall have an inside diameter of 44". Manholes shall have a minimum pipe size of 24". All manholes shall have an inside diameter of 44". Concrete manhole shall be of a wet look and water tight.
2. Reinforcing steel shall be installed in the manhole to resist the full weight of the 4" class A concrete pipe and contents in both directions. The manhole shall be reinforced steel shall be placed 2" above the top of the manhole base. In addition for reinforcing steel for installing reinforcing steel shall be included in the unit price bid for the manhole.
3. The floor of a manhole shall be sloped with the flow direction such that the manholes will be self-cleaning and free of areas where debris could be deposited. Sewage flows through the manhole from the inlet to the outlet pipe. Flow channels shall be formed to maintain the bottom slopes of the manhole above the outlet outflow pipe as shown in the drawings. All manhole floors shall have slopes of 3 inches per foot in all areas outside of the flow channels except toward the flow channels. Pipes laid through manholes shall not be run full removed to rest lines for the full inside diameter of the manhole. The manhole shall be sloped around the bottom half of the pipe with the flow of the flow channel.
4. Pipes installed within the excavation made for the manhole shall be cradled with concrete to the bottom of the manhole excavation. When clay pipe is used, the pipe shall extend to the first joint outside the manhole. The cradle shall be terminated at the first pipe joint in a manhole. Which manhole shall be the flexibility of the joint. Cost of cradle within manhole excavation or to lay pipe joints adjacent to manhole shall be included in the unit price bid for the manhole.
5. Manhole cover castings and manhole frame castings shall conform to the requirements as indicated in the standard specifications and as shown in the standard detail drawings.
6. The crowns of inflowing pipes shall never be set lower than the crown of the outflowing pipe.
7. Standard shallow manholes type "A" and "B" shall be paid for at the unit price bid per each for the type and manhole indicated. Standard special shallow manholes type "A" and "B" shall be paid for at the unit price bid per each for the type indicated. All standard shallow manhole diameters will be 4' unless indicated otherwise.
8. All brick used in manhole construction shall meet or be SW of ASTM C562 or C62-87.



USD #259 BUCKNER ELEM.
STORMWATER PLANS
PROJ. NO. 1543 PPS

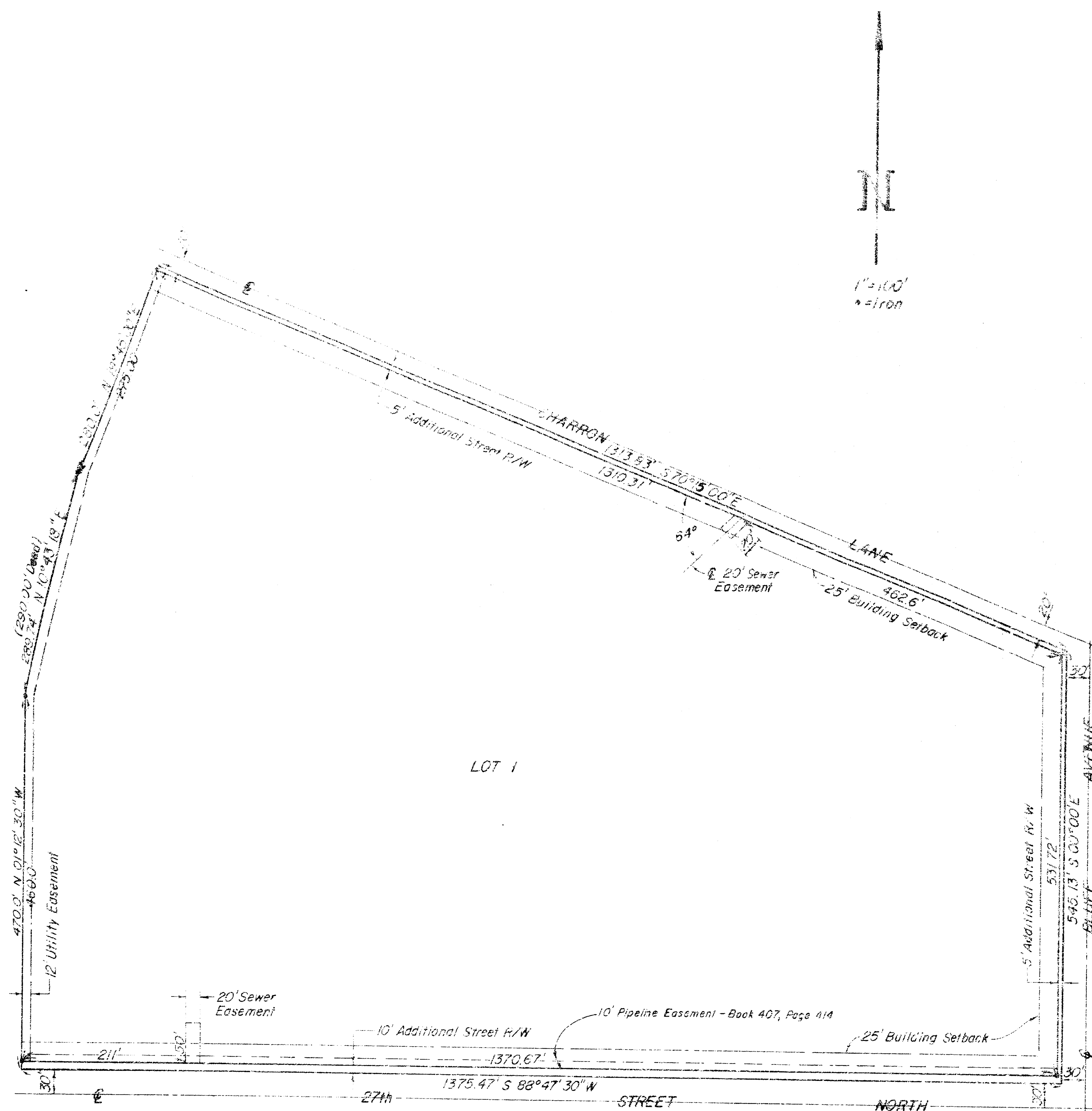


PLAN LINE 1
SCALE: 1"=20'



PROFILE LINE 1
SCALE: HORIZ. 1"=20'
SCALE: VERT. 1"=5'

BROOKS-BUCKNER ADDITION TO WICHITA, SEDGWICK COUNTY, KANSAS



STATE OF KANSAS, COUNTY OF SEDGWICK, SS:

I, Don E. Wehring, Jr., a Civil Engineer in the State and County, do hereby certify that I have surveyed and plotted the BROOKS-BUCKNER ADDITION to the City of Wichita, Sedgwick County, Kansas, and have caused the same to be surveyed and plotted into a lot, an avenue, a street and a lane, the same being accurately set forth on the accompanying plat and described as follows: A tract of land beginning at the S.E. corner of Government Lot 3 in the N.W. 1/4 of Section 2, Township 27 South, Range 1 East of the 6th P.M. thence West along the South line of Government Lot 3 and S. 1455 feet thence with an angle to the right of 90°00' for a distance of 150 feet thence with an angle to the right of 120°00' for a distance of 280 feet thence with an angle to the right of 90°00' for a distance of 133.8 feet more or less to a point on the East line of said Lot 3 thence South 283.1 feet more or less to the place of beginning, except that part required for street right of way.

Don E. Wehring, Jr., Surveying Engineer

Know all men by these presents that we the undersigned, property owners of the lot as above set forth in the Civil Engineer's certificate, have caused the same to be surveyed and plotted into a lot, an avenue, a street and a lane, the same to be known as BROOKS-BUCKNER ADDITION to Wichita, Sedgwick County, Kansas. Easements for the construction and maintenance of public utilities, as indicated on the accompanying plat, are hereby granted. The streets are hereby dedicated to and for the use of the public.

Unified School District No. 259 (Wichita), Sedgwick County, Kansas

Daniel R. Glickman, President
Martin Hartley, Clerk-Treasurer

STATE OF KANSAS, COUNTY OF SEDGWICK, SS:

Be it remembered that on this 20th day of January, 1976, before me, a Notary Public in and for said State and County, came Unified School District No. 259 (Wichita), Sedgwick County, Kansas, by Daniel R. Glickman, President, and Martin Hartley, Clerk-Treasurer, to me personally known to be the same persons who executed the foregoing instrument of writing and duly acknowledged the execution of the same. In testimony whereof I have hereunto set my hand and affixed my notarial seal the day and year above written.

Christine Buckmaster, Notary Public
My Commission expires April 16, 1977

#388555

This plat of "BROOKS-BUCKNER ADDITION" has been submitted to and approved by the Wichita-Sedgwick County Metropolitan Area Planning Commission, this 8th day of JANUARY, 1976.

Wichita-Sedgwick County Metropolitan Area Planning Commission

David Barnhart, Chairman
Robert A. Lakin, Secretary

This plat has been approved and all dedications shown hereon, if any, accepted by the Board of County Commissioners of Sedgwick County, Kansas, this 10th day of June, 1976.

David Barnhart, Chairman
Robert A. Lakin, Secretary
Dorothy K. White, County Clerk

This plat has been approved and all dedications shown hereon, if any, accepted by the City Commission of the City of Wichita, Kansas, this 23rd day of MAY, 1976.

Connie A. Peters, Mayor
Donald C. Gistick, City Clerk

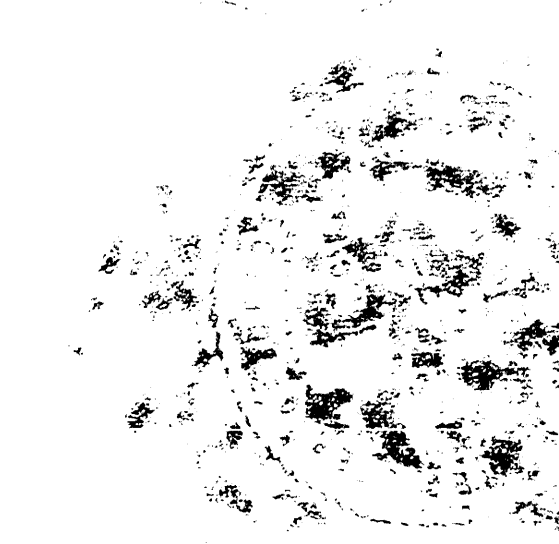
STATE OF KANSAS, COUNTY OF SEDGWICK, SS:

This is to certify that this instrument was filed for record in the Register of Deeds Office at 2:00 PM on the 3rd day of JUNE, 1976.

Bette J. McCarr, Register of Deeds
Pat Kettler, County Clerk

Entered on transfer record this 8th day of June, 1976.

Dorothy K. White, County Clerk



19 08 03 06