

CITY OF WICHITA, KANSAS

STREET IMPROVEMENTS

CHATEAU FROM THE SOUTH LINE OF LOT 2, BLOCK B SMITHMOOR THIRD ADDITION
TO THE SOUTH LINE OF LOT 1, BLK. 1 SMITHMOOR EIGHT ADD.

GENERAL NOTES:

- UTILITY SERVICE LINES, POLES, VALVE BOXES, METERS AND CIGETERA ARE TO BE ADJUSTED AS NECESSARY BY OTHERS PRIOR TO CONSTRUCTION UNLESS THE PLANS SPECIFICALLY CALL FOR THEIR ADJUSTMENT BY THE CONTRACTOR OR UNLESS THE PLANS SPECIFICALLY IDENTIFY A UTILITY TO BE ADJUSTED BY ITS OWNER DURING CONSTRUCTION. EXISTING UTILITIES AND THEIR LOCATION, AS SHOWN ON THE PLANS REPRESENT THE BEST INFORMATION OBTAINABLE FOR DESIGN. THE CONTRACTOR WILL BE REQUIRED TO WORK AROUND EXISTING UTILITIES WITHIN THE RIGHT-OF-WAY WHICH DO NOT CONFLICT WITH PROPOSED CONSTRUCTION.
 - THE CONTRACTOR SHALL PROVIDE A MINIMUM OF FORTY-EIGHT (48) HOURS ADVANCE NOTICE TO ALL UTILITY OWNERS PRIOR TO WORK IN ANY AREA WHERE EXISTING UTILITIES WILL BE UNCOVERED TO ALLOW THE UTILITY OWNER TO INSPECT THE UNCOVERING OF THEIR UTILITY. ANY UTILITY CARELESSLY DAMAGED BY HIS CONSTRUCTION OPERATION SHALL BE REPAIRED OR REPLACED AT NO EXTRA COST TO THE CITY. THE CONTRACTOR SHALL COORDINATE WITH CONTRACTORS FOR UTILITY COMPANIES AND OTHER AGENCIES FOR MINIMUM INCONVENIENCE TO GENERAL PUBLIC.
 - CONTRACTOR SHALL AVOID UNCOVERING THE EXISTING WATERLINES UNLESS ABSOLUTELY NECESSARY. UNCOVERING SHALL BE DONE ONLY IN THE PRESENCE OF A WATER DEPARTMENT ENGINEER.
 - ALL ADJACENT BUILDINGS, STRUCTURES, PARKING LOTS, DRIVES, STREET PAVEMENTS, UTILITY LINES UTILITY STRUCTURES AND APPURTENANCES OTHER THAN SHOWN FOR REPLACEMENT SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION OF THE PROJECT. ITEMS DAMAGED BEYOND THE LIMITS SHOWN SHOWN ON THE DRAWINGS SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
 - A SAW CUT OF AT LEAST ONE-HALF THE DEPTH OF EXISTING SURFACE COURSES OR ONE-FOURTH THE DEPTH OF THE EXISTING TOTAL PAVEMENT THICKNESS SHALL BE PROVIDED AT LOCATIONS WHERE PROPOSED CONSTRUCTION ABUTS AN EXISTING SURFACE COURSE OR PAVEMENT FOR WHICH PARTIAL REMOVAL OF THAT SURFACE OR PAVEMENT IS REQUIRED. SAWED JOINTS TO FACILITATE REMOVAL WITHIN THREE (3) FEET OF EXISTING JOINT WILL NOT BE PERMITTED AND FOR SUCH INSTANCES THE LIMITS OF REMOVAL SHALL EXTEND TO EXISTING JOINT. SUCH SAW CUTS WILL NOT BE PAID FOR DIRECTLY AND THIS COST SHALL BE CONSIDERED SUBSIDIARY TO THE REMOVAL OF THE SURFACE OR PAVEMENT.
 - MISCELLANEOUS STRUCTURES AND 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 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 STRICT CONFLICT WITH PROPOSED NEW CONSTRUCTION SHALL BE REMOVED BY THE CONTRACTOR WITH ENGINEER'S APPROVAL. TREES AND SHRUBS WHICH ARE NOT IN DIRECT CONFLICT WITH PROPOSED NEW CONSTRUCTION SHALL BE SAVED AND PROTECTED FROM DAMAGE.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY IRONS SHOWN ON THE PLANS. THE CONTRACTOR WILL BE REQUIRED TO RE-ESTABLISH ANY SHOWN PROPERTY "I" WHICH ARE DAMAGED OR DESTROYED BY HIS CONSTRUCTION OPERATIONS. SUCH IRONS SHALL BE RE-ESTABLISHED BY A LICENSED LAND SURVEYOR IN ACCORDANCE WITH STATE LAW. THIS WORK SHALL BE SUBSIDIARY TO OTHER ITEMS IN CONTRACT.
 - ALL SALVAGEABLE DRAINAGE PIPES, MANHOLE FRIGS AND COVERS AND INLET CHUTES SHALL BE CAREFULLY REMOVED AND STOCKPILED AT LOCATIONS WITHIN THE RIGHT-OF-WAY, AS DIRECTED BY THE ENGINEER FOR REMOVAL BY CITY PERSONNEL.
 - THE CONTRACTOR WILL BE REQUIRED TO PROVIDE A MINIMUM ADVANCE NOTICE OF FORTY-EIGHT (48) HOURS TO EACH OF THE FOLLOWING UTILITIES PRIOR TO THE BEGINNING OF CONSTRUCTION AND REQUEST THAT ANY EXISTING LINES BE FLAGGED:

ARKLA GAS CO. 1630 S. BASH WICHITA, KANSAS 67209 JERRY WATSONS 316-942-8260	SOUTHWESTERN BELL TELEPHONE CO. 154 N. BROADWAY WICHITA, KANSAS 67202 GREG SHARP 316-268-2245
KANSAS GAS & ELECTRIC CO. 802 208 WICHITA, KANSAS 67201 DON MORGAN 316-281-6285	WICHITA SEWER MAINTENANCE DIVISION WATER & WATER POLLUTION CONTROL DEPT. 8TH FLOOR-CITY HALL 455 N. MAIN STREET WICHITA, KANSAS 67202 SUSAN TURNER 316-268-4210
WICHITA WATER DEPARTMENT 8TH FLOOR - CITY HALL 455 N. MAIN STREET WICHITA, KANSAS 67202 CHUCK STEVENS 316-268-4555	MULTIMEDIA CABLEVISION 701 EAST DOUGLAS WICHITA, KANSAS 67202 DON SHUE 262-4270
KANSAS ONE CALL 1-800-344-4210	DIG SAFE 687-2470
 - CONTRACTOR SHALL GIVE PROPERTY OWNERS ADJUTING THIS PROJECT, WHOSE YARDS WILL BE LOWER THAN THE NEW FINISHED GRADE ELEVATIONS AT THE RIGHT-OF-WAY LINE, AN OPPORTUNITY TO UTILIZE EXCESS EXCAVATED MATERIAL FROM THE PROJECT TO REGRADE THEIR PAROS TO DRAIN TO THE NEW PAVEMENT. CONTRACTOR WILL BE REQUIRED TO DUMP AND SPREAD THE EXCESS MATERIAL AS REQUIRED BY THE SPECIFICATIONS WHEN REQUESTED BY THE PROPERTY OWNER. THE CONTRACTOR SHALL ASCERTAIN THAT A GIRT ORDER FORM HAS BEEN PROPERLY EXECUTED BY THE PROPERTY OWNER BEFORE ANY SUCH EXCESS MATERIAL IS DELIVERED TO SUCH PROPERTY.
 - THE CONTRACTOR MUST EXAMINE THE CONSTRUCTION SITE PRIOR TO BEGIND AND BE SATISFIED AS TO THE WORK SHOWN TO BE COMPLETED. AFTER ALL WORK HAS BEEN RECEIVED, THE CONTRACTOR SHALL NOT ASSERT THAT THERE WAS A MISUNDERSTANDING OF THE QUANTITIES OF WORK OR THE NATURE OF WORK TO BE COMPLETED.
 - TEMPORARY SEEDING OF RIGHT-OF-WAY: CONTRACTOR SHALL PREPARE THE AREA WITHIN RIGHT-OF-WAY THAT IS TO RECEIVE TEMPORARY SEEDING IN ACCORDANCE WITH CITY OF WICHITA STANDARD SPECIFICATIONS CONTRACTOR SHALL APPLY RYE GRASS SEED AT A RATE OF 50 POUNDS/ACRE. APPLY MULCH IN ACCORDANCE WITH CITY OF WICHITA REQUIREMENTS.

PROJECT NO.: 472-82986
INDEX CODE: 765547



SCALE: 1" = 200'
LOCATION MAP

INDEX:

SHEET 1	TITLE SHEET
SHEET 2	PLAT
SHEET 3	TYPICAL PAVING SECTIONS
SHEET 4-5	PLAN SHEET
SHEET 6	CROSS-SECTIONS

PROJECT LENGTH:

STREET	LENGTH
CHATEAU	873.68

BENCH MARKS:

- Square cut on B/C - 5' N. of N. wing of driveway @ #1811 S. Chateau. Elev. = 163.74
- Square cut on B/C - 12' S. of S. wing of driveway @ #1910 S. Shiloh. Elev. = 176.19



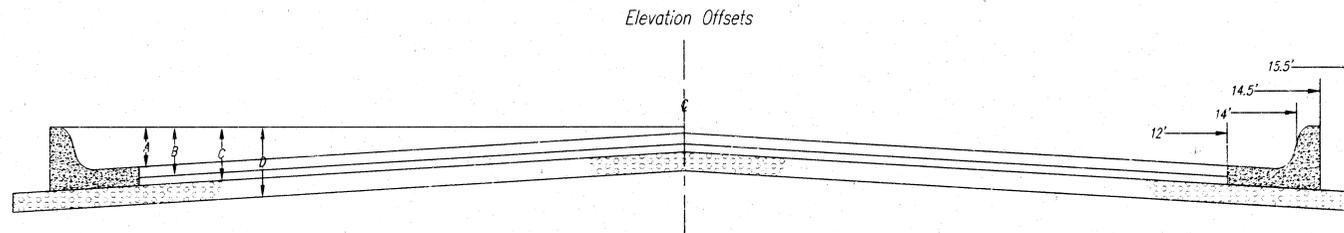
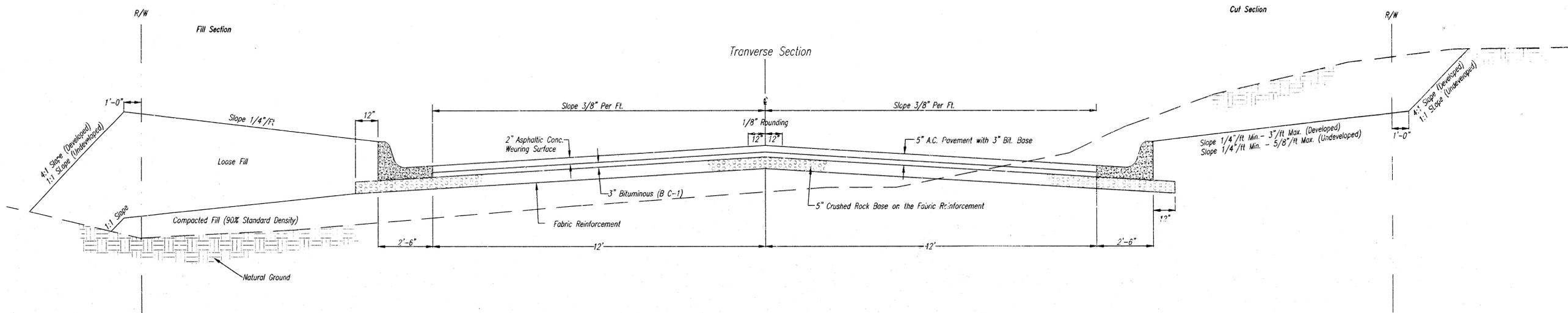
EARTHWORK SUMMARY
Excavation = 1778 C.Y.
Loose Fill = 140 C.Y.

MICHAEL E. LINDEBAK, P.E., CITY ENGINEER

TITLE SHEET

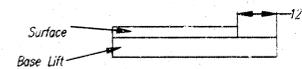
SCALE:	APPROVED:	DRAWN BY: S. A.
DATE:		CHECKED: B. K.
PROJECT NO. 99-03 (MUNICIPAL)		SHEET NO. 1 OF 6
MUNICIPAL ENGINEERS 254-LAURA, SUITE 201 WICHITA, KANSAS 67211 316-266-3942		

TYPICAL 29' PAVEMENT DETAILS



Fabric base reinforcement shall be B x 1100 by Tensor corporation or approved equal. Fabric base reinforcement shall be installed in accordance with manufacturer's recommendations. Crushed rock shall be uniformly graded from 1-1/2" max. six to not more than 10% passing a no. 200 sieve. Rock quality shall be the same as specified for coarse aggregate for concrete mixes.

TRANSVERSE CONSTRUCTION JOINTS



Transverse construction joints shall be constructed in flexible base pavement at locations where pavement joints exist in rigid base pavement as shown by the detail. All costs associated with the construction of the transverse joint shall be included in the bid price for square yards 5" asphaltic concrete pavement (3" bituminous base.)

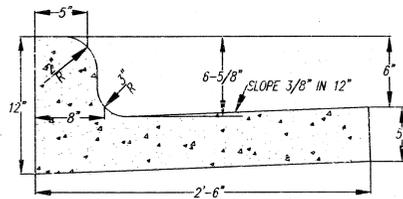
GENERAL NOTES

Rock base is to be compacted and smoothed with a steel faced roller prior to placement of asphalt. Tack coat will not be applied to rock base.

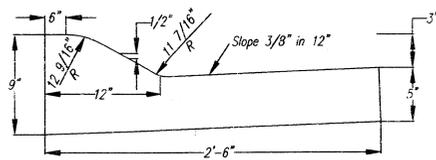
A tack coat of emulsified asphalt (SC-1H or CSS-1H) shall be applied at an approximate rate of 0.05 gallons per square yard between each lift of asphaltic material.

Bituminous base and asphaltic concrete wearing surface shall be placed with a paver machine having automatic controls for line and grade.

Construction joint in each lift shall be staggered a minimum distance of one (1) foot from joints in preceding lifts and placed so that a joint will be constructed on the centerline of the top lift.



COMBINED CURB & GUTTER



ROLL TYPE COMBINED CURB & GUTTER

	Distance from centerline (Lt. or Rt.)									
	0'	2'	4'	6'	7'	8'	10'	12'	14'	14.5'
A. Top of curbs to top of surface lift	0.13	0.18	0.24	0.30	0.33	0.36	0.43	0.49	0.49	-
B. Top of curbs to top of base lift	0.30	0.35	0.41	0.47	0.50	0.53	0.60	0.66	0.65	-
C. Top of curbs to top of rock base	0.55	0.60	0.66	0.72	0.75	0.78	0.85	0.91	0.91	1.00
D. Top of curbs to top of subgrade										

5" Residential Asphaltic Concrete Pavement with Crushed Rock Base on Fabric Reinforcement

SCALE:	APPROVED:	DRAWN BY:
DATE:	CHECKED:	
PROJECT NO:	99-05 (ME)	SHEET NO: 3 OF 6

MUNICIPAL ENGINEERS
254-LAURA, SUITE 201
WICHITA, KANSAS 67211
516-262-3942

SCALE: 1" = 20'

Sta. 9+76.32
Beg. Construction
Match Existing

CURVE DATA
 $\Delta = 30^\circ-17'-40"$ $D = 17'-24"-54"$ $R = 329.00$ $L = 173.95$ $T = 89.06'$
 CURVE DATA BASED ON $\Delta/2 = 15^\circ-08'-50"$

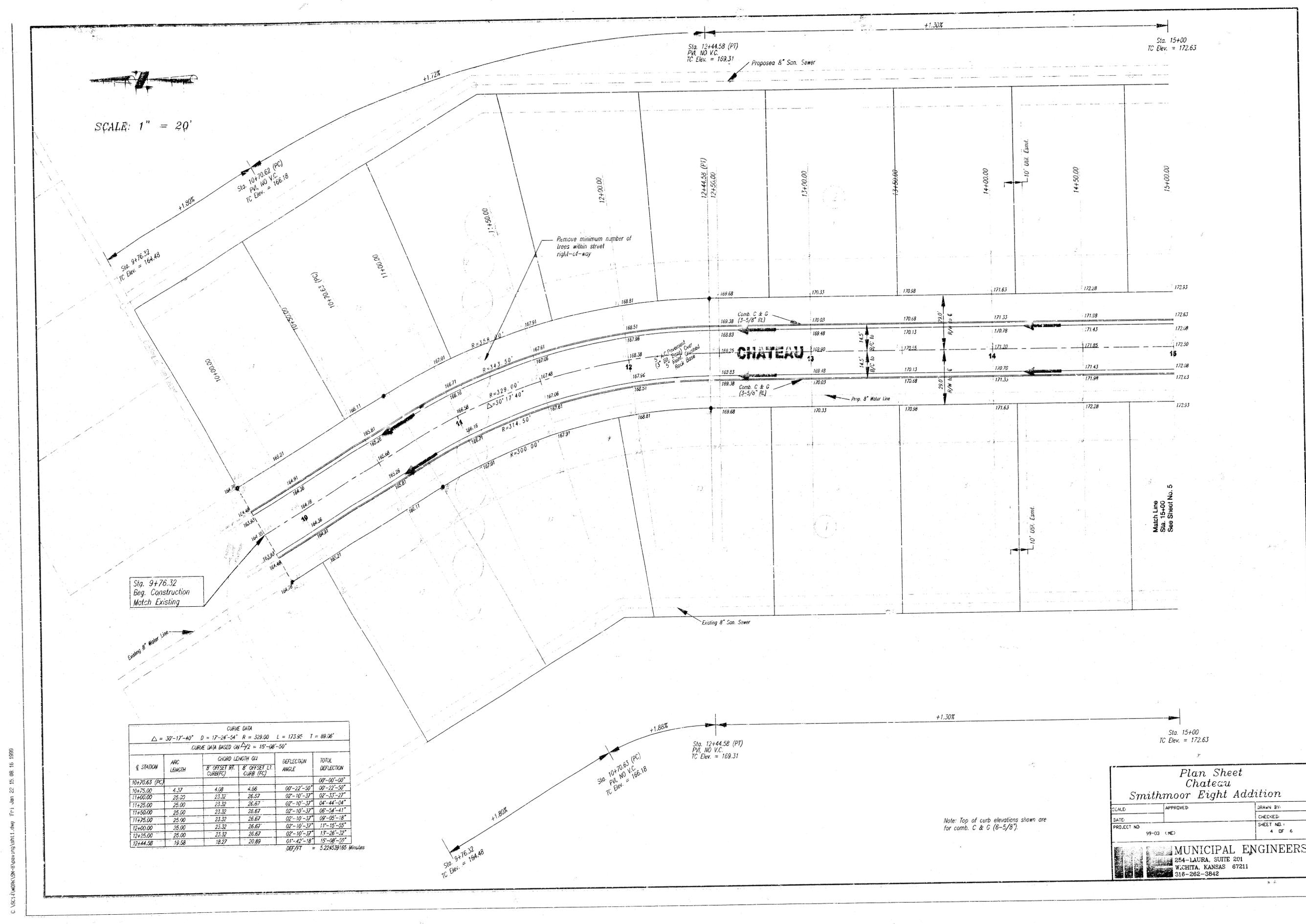
STATION	ARC LENGTH	CHORD LENGTH	8" OFFSET RT. CURB (FC)	8" OFFSET LT. CURB (FC)	DEFLECTION ANGLE	TOTAL DEFLECTION
10+70.63 (PC)					00°-00'-00"	00°-00'-00"
10+75.00	4.37	4.68	4.66		00°-22'-50"	00°-22'-50"
11+00.00	25.00	23.32	26.67		02°-10'-37"	02°-33'-22"
11+25.00	25.00	23.32	26.67		02°-10'-37"	04°-44'-04"
11+50.00	25.00	23.32	26.67		02°-10'-37"	06°-54'-41"
11+75.00	25.00	23.32	26.67		02°-10'-37"	09°-05'-18"
12+00.00	25.00	23.32	26.67		02°-10'-37"	11°-15'-55"
12+25.00	25.00	23.32	26.67		02°-10'-37"	13°-26'-32"
12+44.58	19.58	18.27	20.89		01°-42'-18"	15°-08'-50"

DEF/FT = 5.224539165 Minutes

Plan Sheet
Chateau
Smithmoor Eight Addition

SCALE:	APPROVED:	DRAWN BY:
DATE:	CHECKED:	
PROJECT NO:	99-03 (ME)	SHEET NO. 4 OF 6

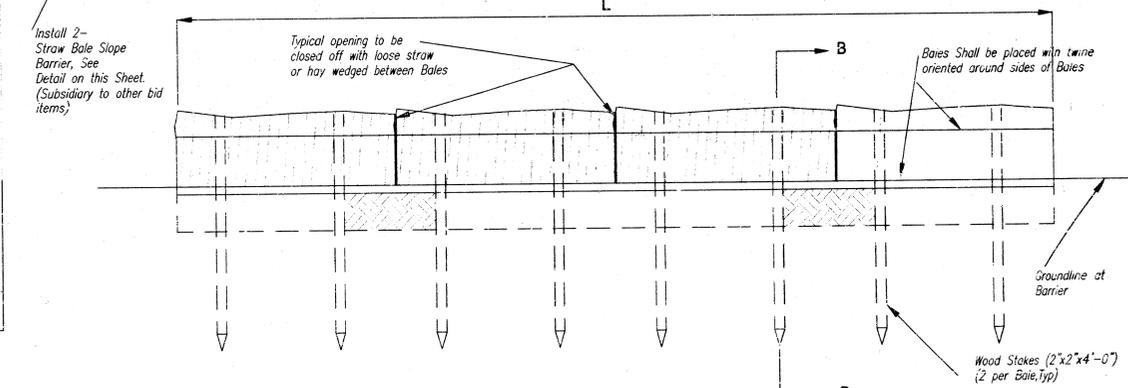
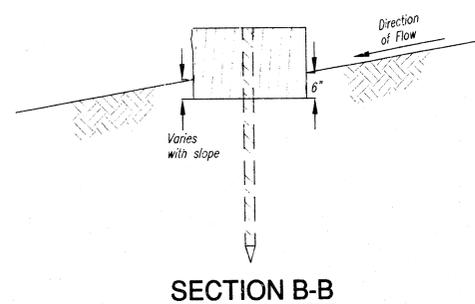
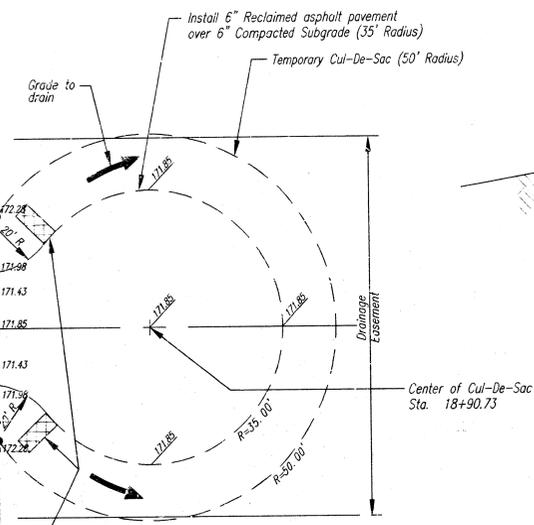
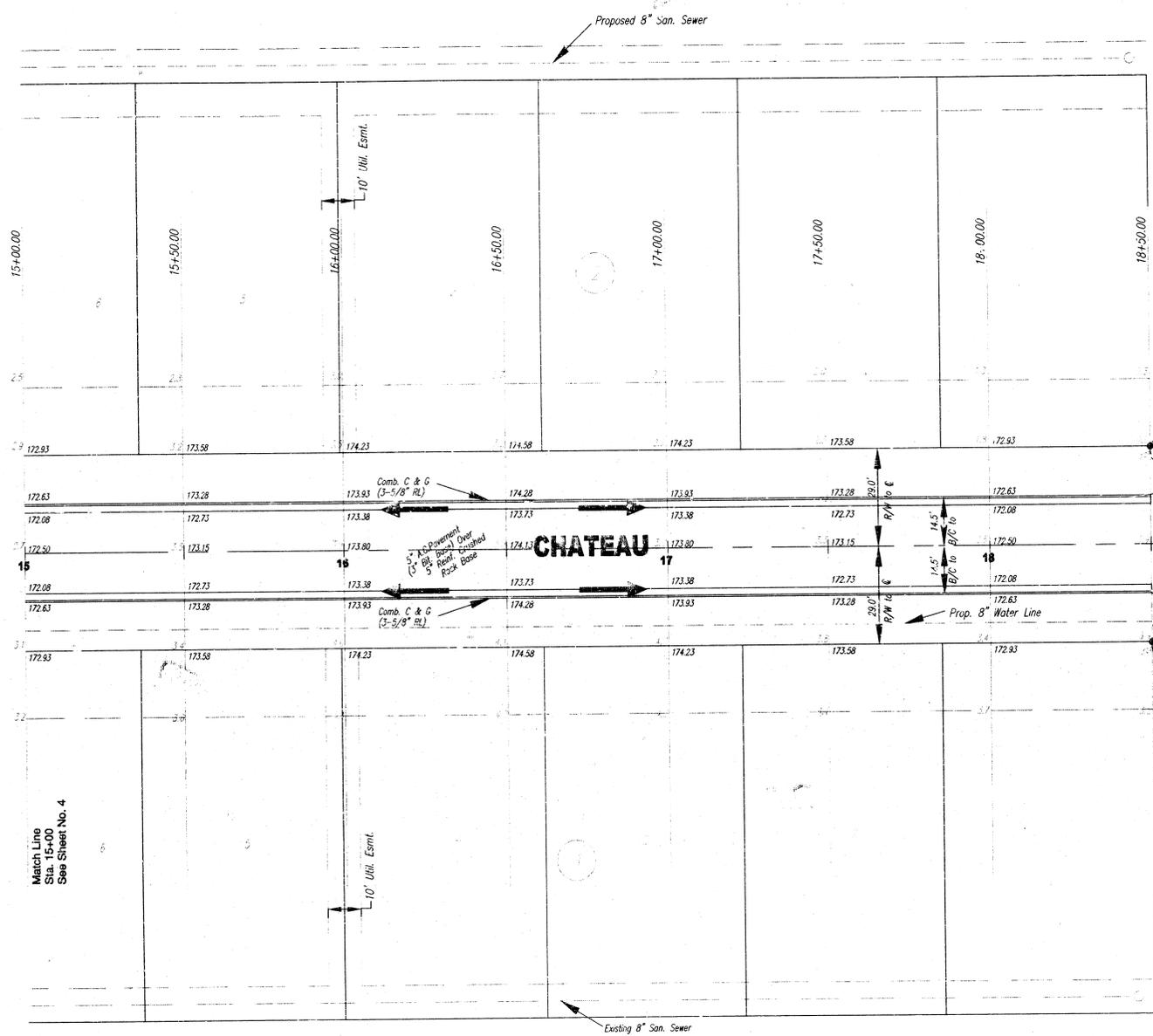
MUNICIPAL ENGINEERS
 254-LAURA, SUITE 201
 WICHITA, KANSAS 67211
 316-262-3842



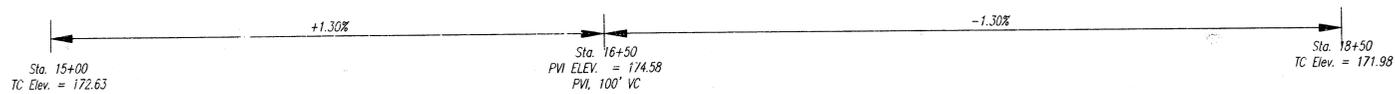
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SCALE: 1" = 20'



STRAW BALE SLOPE BARRIER



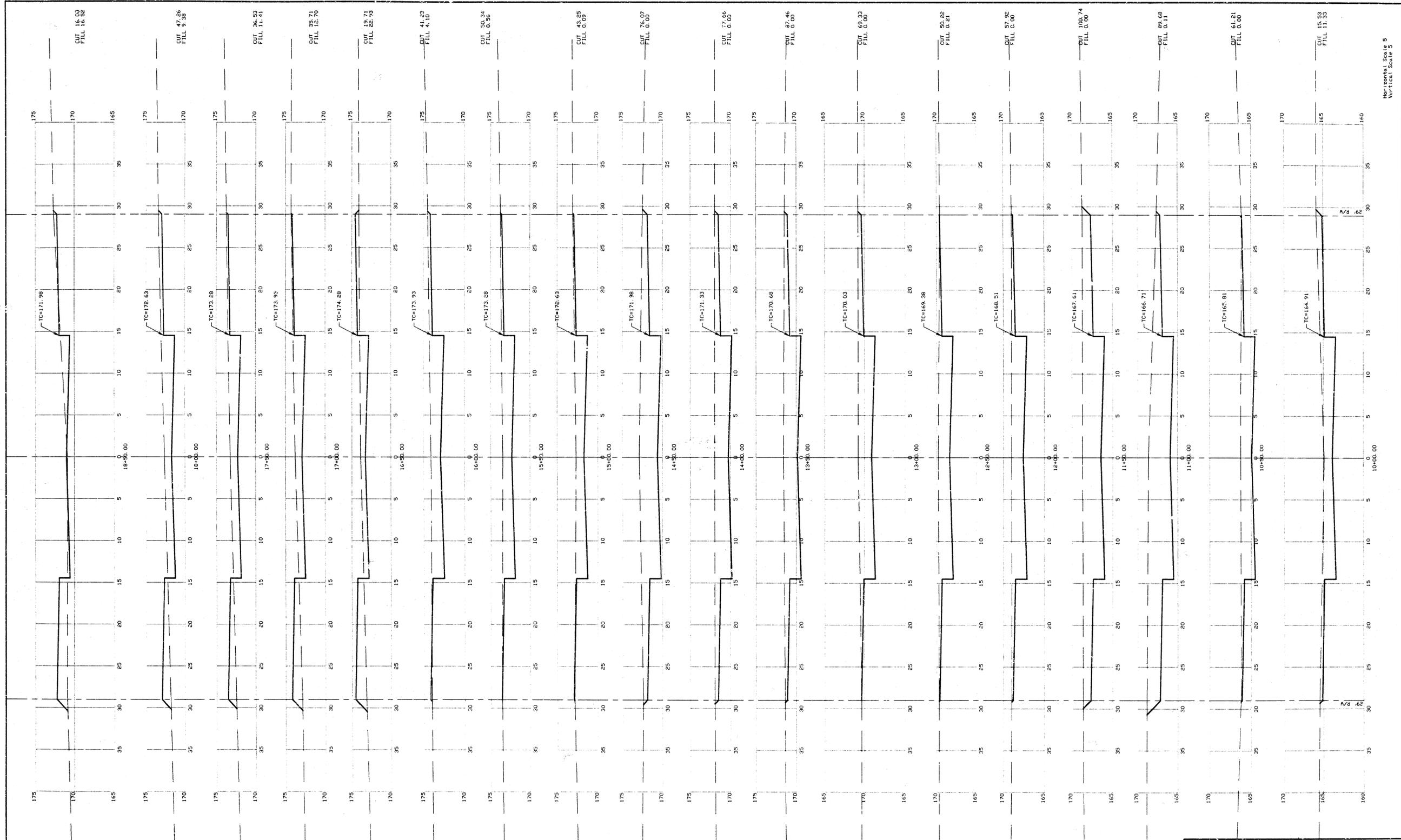
- NOTE:
1. Place bales tightly together with loose straw or hay wedged between bales to close off any opening.
 2. Use any twine to bind bales.
 3. L = 10'
 4. This work is subsidiary to other bid items.

Plan Sheet
Chateau
Smithmoor Eight Addition

SCALE:	APPROVED:	DRAWN BY:
DATE:	CHECKED:	
PROJECT NO. 99-03		SHEET NO. 5 OF 6

MUNICIPAL ENGINEERS
254-LAURA, SUITE 201
WICHITA, KANSAS 67211
316-282-3842

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**Cross Sections
Chateau
Smithmoor Eight Addition**

SCALE:	APPROVED:	DRAWN BY:	CHECKED:
DATE:			
PROJECT NO:	99-03 (HE)	SHEET NO:	6 OF 6

MUNICIPAL ENGINEERS
 254-LAURA, SUITE 201
 WICHITA, KANSAS 67211
 316-262-3842

Horizontal Scale 5
Vertical Scale 5