TAFT COURT STREET IMPROVEMENTS
WEST MILBROOK ADDITION
LOT 1 - 5, BLOCK 3
PROJECT NO.: 472 83193
OCA CODE: 765624

GENERAL NOTES

Interurban traffic generated outside the project area is not to be carried through construction. Local business or apartment traffic generated within the project area is to be carried through construction as further promulgated by project special provisions.

Utility service lines, poles, valve boxes, meters, and et cetera 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 the 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.

A saw cut of at least one-half the depth of existing surface course or one-fourth the depth of 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, except when such saw cuts are within three (3) feet of an existing joint the limits of removal shall be extended to the existing joint. Such saw cuts will not be paid for directly and this cost shall be considered as subsidiary to the removal of the surface or pavement.

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 permitting regulations. Any material buried or stockpiled beyond approved of Engineers construction limits would require additional archeological investigations unless buried in a previously approved borrow location.

The Contractor shall notify pipeline companies at least 24 hours in advance of any work being performed across and/or adjacent to pipelines.

Mailboxes within the limits of the project shall be removed and replaced by the Contractor as approved by the Engineer. Contractor will be required to make satisfactory provisions for mail delivery to properties affected by this project during its construction.

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.

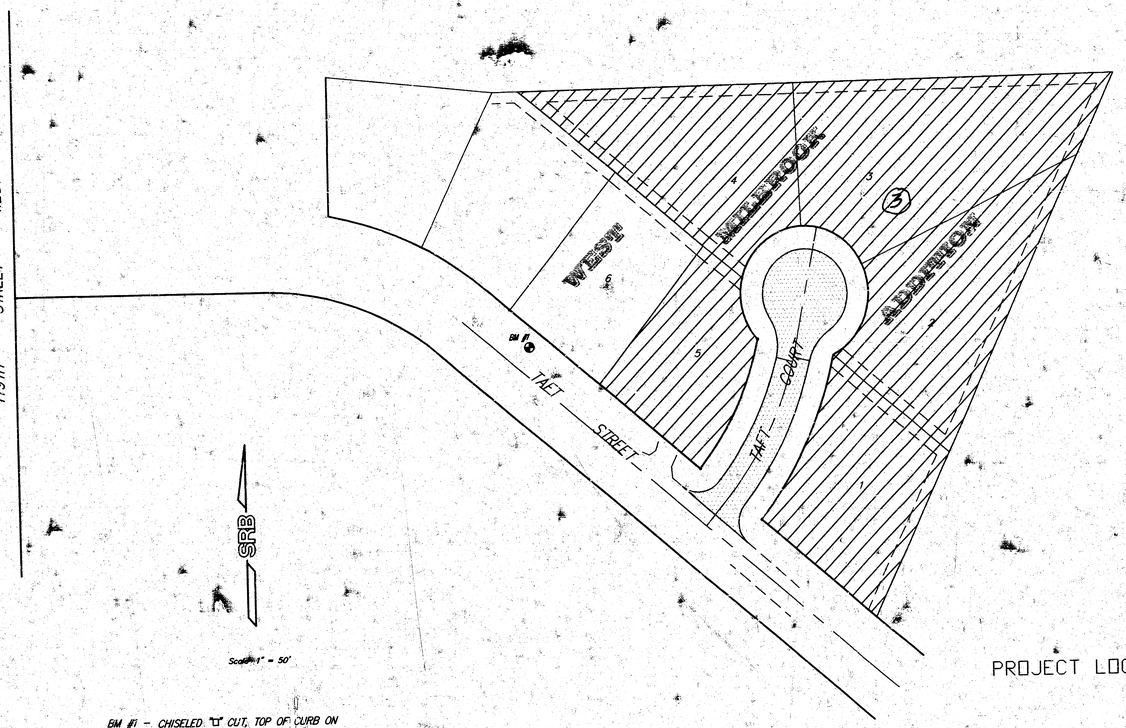
Limits of earthwork shall match existing ground elevations at the right-of-way line unless otherwise noted on the plans with a new finished grade elevation. When a new finished grade elevation is shown, the earthwork shall extend one foot beyond the right-of-way line and then sloped up or down using permissible slopes to match the existing ground surface.

All entrance and cross road pipes within the project limits shall be removed by the Contractor unless otherwise noted on the plans. Removal of such pipes shall conform to the applicable section of the Standard Specifications.

Contractor shall give property owners abutting 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 yards 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 dirt order form has been properly executed by the property owner before any such excess material is delivered to such properties.

The Contractor shall be responsible for preserving property irons. The Contractor will be required to re-establish any property irons which are damaged or destroyed by his construction operations. Such irons shall be re-established by a licensed land surveyor in accordance with state laws.

The Contractor shall give all property owners and/or tenants of developed property directly abutting the construction of this project a minimum of ten (10) days advance notice prior to start of construction.



Scale: 1" = 50'

BM #1 - CHISELED "CT" CUT, TOP OF CURB ON NORTH SIDE OF TAFT STREET, LOT 6, BLOCK 3, WEST MILBROOK ADDITION.
ELEV. = 1320.88
CITY DATUM = 133.48

TOTAL PROJECT LENGTH = 240.70 FT.

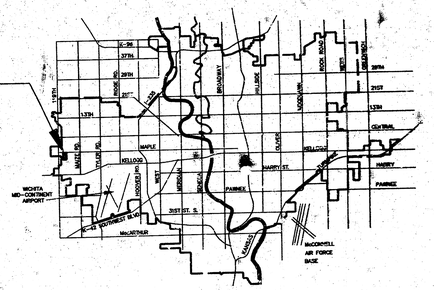
SUMMARY OF EARTHWORK

EXCAVATION = 504.72 C.Y.
LOOSE FILL = 0 C.Y.
COMPACTED FILL = 5.63 C.Y.
BORROW = 0 C.Y.

INDEX

1. TITLE SHEET
2. TYPICAL 26' PVMT. SECTION
3. TAFT COURT
4-5. EARTHWORK CROSS SECTIONS

PROJECT LOCATION



IMPROVEMENT

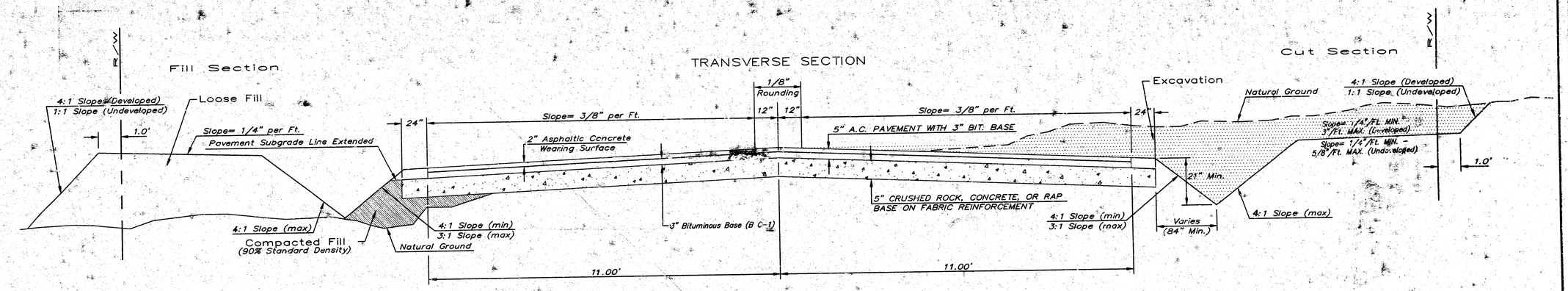
IMPROVEMENT DISTRICT

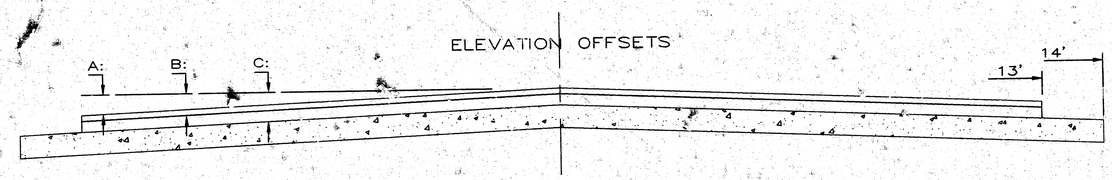
JOHN DAVID SCHMITT
LICENSED
15404
9-5-00
KANSAS
PROFESSIONAL ENGINEER

CITY OF WICHITA, KANSAS
MICHAEL E. LINDEBAK, P.E. - CITY ENGINEER

SRB
924 NORTH MAIN
WICHITA KANSAS 67203
316-264-8008
FAX 264-4621
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ENGINEERING & SURVEYING

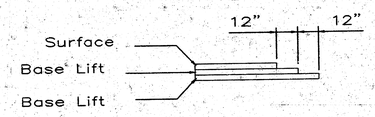
TYPICAL 22' ASPHALT MAT PAVEMENT DETAILS





DISTANCE FROM CENTERLINE (LT. & RT.)

	0'	2'	4'	6'	7'	8'	10'	12'	13'	14'	15'
A: Crown to Top of Surface Lift	0.00	0.06	0.13	0.19	0.22	0.25	0.31	0.38	0.41	–	–
B: Crown to Top of Upper Base Lift	0.17	0.23	0.29	0.35	0.39	0.42	0.48	0.54	0.57	–	–
C: Crown to Top of C.R. Subgrade	0.42	0.48	0.54	0.60	0.64	0.67	0.73	0.79	0.82	0.85	0.88



TRANSVERSE CONSTRUCTION JOINTS

Transverse construction joints shall be constructed in flexible base pavements at locations where pavement joins existing flexible 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 (3" BITUMINOUS BASE).

General Notes

FABRIC BASE REINFORCEMENT SHALL BE B X 1100 GEOGRID AS MANUFACTURED BY TENSAR 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" MAXIMUM SIZE TO NOT MORE THAN 10% PASSING A NO. 200 SIEVE. ROCK QUALITY SHALL BE THE SAME AS SPECIFIED FOR COARSE AGGREGATE FOR CONCRETE MIXES.

ROCK BASE IS TO BE COMPACTED AND SMOOTHED WITH A STEEL FACED ROLLER PROIR 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 LAYDOWN MACHINE HAVING AUTOMATIC CONTROLS FOR LINE AND GRADE.

CONSTRUCTION JOINTS 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.

THE ASPHALTIC CONCRETE PAVEMENT SHALL BE PAID AS SQUARE YARDS OF 5" ASPHALTIC CONCRETE (3" BITUMINOUS BASE).

THE CITY OF WICHITA

CITY ENGINEER'S OFFICE
CITY HALL – SEVENTH FLOOR
455 NORTH MAIN STREET
WICHITA, KANSAS 67202
(316) 268-4687
(316) 268-4114 FAX

26' PAVEMENT
5" ASPHALTIC CONCRETE
W/ CRUSHED ROCK BASE

M. E. LINDEBAK P.E. – CITY ENGINEER

PROJECT NUMBER	GCA #
472 83193	765624
DATE: MAR 96	SHEET 2 OF 5

BM #1 - CHISELED "D" CUT, TOP OF CURB ON NORTH SIDE OF TAFT STREET, LOT 6, BLOCK 3, WEST MILBROOK ADDITION.
ELEV. = 1320.88
CITY DATUM = 133.48

SCALE: 1" = 20'

SRB

Taft Ct.
Curve Data Based on Centerline
Rad. = 249.84' Delta = 27° 40' 50" Tangent = 61.55'
Arc = 120.7' L.C. = 119.53' Def/FL = 6.88001 Min.

Station	Arc.	FACE CHORD LENGTHS @ Lt.	FACE CHORD LENGTHS @ Rt.	Defl.	T. Defl.
0+30.00		-	-	0°00'00"	0°00'00"
0+50.00	20.00'	18.31'	21.69'	2°17'36"	2°17'36"
0+75.00	25.00'	22.89'	27.09'	2°52'00"	5°09'36"
1+00.00	25.00'	22.89'	27.09'	2°52'00"	8°01'36"
1+25.00	25.00'	22.89'	27.09'	2°52'00"	10°53'36"
1+50.70	25.70'	23.53'	27.85'	2°56'49"	13°50'25"

CONSTRUCT 24' PAVEMENT PER DETAIL SHEET 2

INSTALL 30 L.F. 12" CMP W/ END SECTIONS
FLOW IN = 1321.80
FLOW OUT = 1321.40

CONSTRUCT 381.6 S.F. 5" A.C. DRIVE APPROACH 18' WIDE FROM EDGE OF ASPHALT TO PROPERTY LINE WITH 10' RADIUS RETURNS TO MATCH EXISTING GRAVEL GRADE AT PROPERTY LINE

REMOVE SHRUB

CONSTRUCT 373.0 S.F. 5" A.C. DRIVE APPROACH 18' WIDE FROM EDGE OF ASPHALT TO PROPERTY LINE WITH 10' RADIUS RETURNS TO MATCH EXISTING GRAVEL GRADE AT PROPERTY LINE

REGRADE EXISTING DITCH AT 6.5% SLOPE FROM EXISTING CULVERTS TO NEW CULVERT UNDER TAFT CT.

SAW CUT A.C. PAVEMENT BACK 2' FROM EDGE OF EXISTING SURFACE. REMOVE & REPLACE A.C. PAVEMENT TO MATCH EXISTING GRADE AT SAW CUT.

CONSTRUCT 380.3 S.F. 5" A.C. DRIVE APPROACH 18' WIDE FROM EDGE OF ASPHALT TO PROPERTY LINE WITH 10' RADIUS RETURNS TO MATCH EXISTING CONC. PVM'T GRADE AT PROPERTY LINE

INSTALL 30 L.F. 12" CMP W/ END SECTIONS
FLOW IN = 1321.80
FLOW OUT = 1321.40

INSTALL 44 L.F. 12" CMP W/ END SECTIONS
FLOW IN = 1316.79
FLOW OUT = 1316.57

REMOVE AND REPLACE EXISTING STONE WALK AS NECESSARY FOR CONSTRUCTION OF ROAD AND DITCH. EXCESS STONE SHALL BE PLACED ON LOT 1, BLOCK 3, WEST MILBROOK ADDITION.

REMOVE AND REPLACE EXISTING SNS AS NECESSARY FOR CONSTRUCTION.

REGRADE EXISTING DITCH AT 0.5% SLOPE FROM NEW CMP TO EXISTING CULVERTS UNDER TAFT.

AS REQUESTED BY PROPERTY OWNER:
SAW CUT A.C. PAVEMENT BACK 2' FROM EDGE OF EXISTING SURFACE AND CONSTRUCT 569.0 S.F. 5" A.C. DRIVE APPROACH 17' WIDE FROM EDGE OF ASPHALT TO PROPERTY LINE WITH 10' RADIUS RETURNS

~~PROJECT NO. 472 83305 (765670)~~

REVISED BY CITY OF WICHITA 9/29/00

WEST MILBROOK ADDITION
TAFT COURT - STREET IMPROVEMENTS
WICHITA, SEDGWICK COUNTY, KANSAS

SRB 924 NORTH MAIN WICHITA, KANSAS 67203 http://www.srb1.com
316-264-8008 FAX: 264-4621 E-mail: srb@srb1.com
SAVOY, RUGGLES & BOHM, P.A.
ENGINEERING & SURVEYING

PROJECT NUMBER 472 83193 (765624)

DESIGN	DRAWN	UTILITY	REVIEW	DATE	REVISED
JDS	JDS			July 25, 2000	Sept. 5, 2000

SHEET 3 OF 5 SHEETS

STREET IMPROVEMENTS

TAFT COURT

CROSS SECTIONS

4 / 5

0+20

0+30

0+50

1+00

1+30

1+50.70

1+75.92

1+87.69

Existing Grade

Proposed Grade

ROW

1315

1320

1325

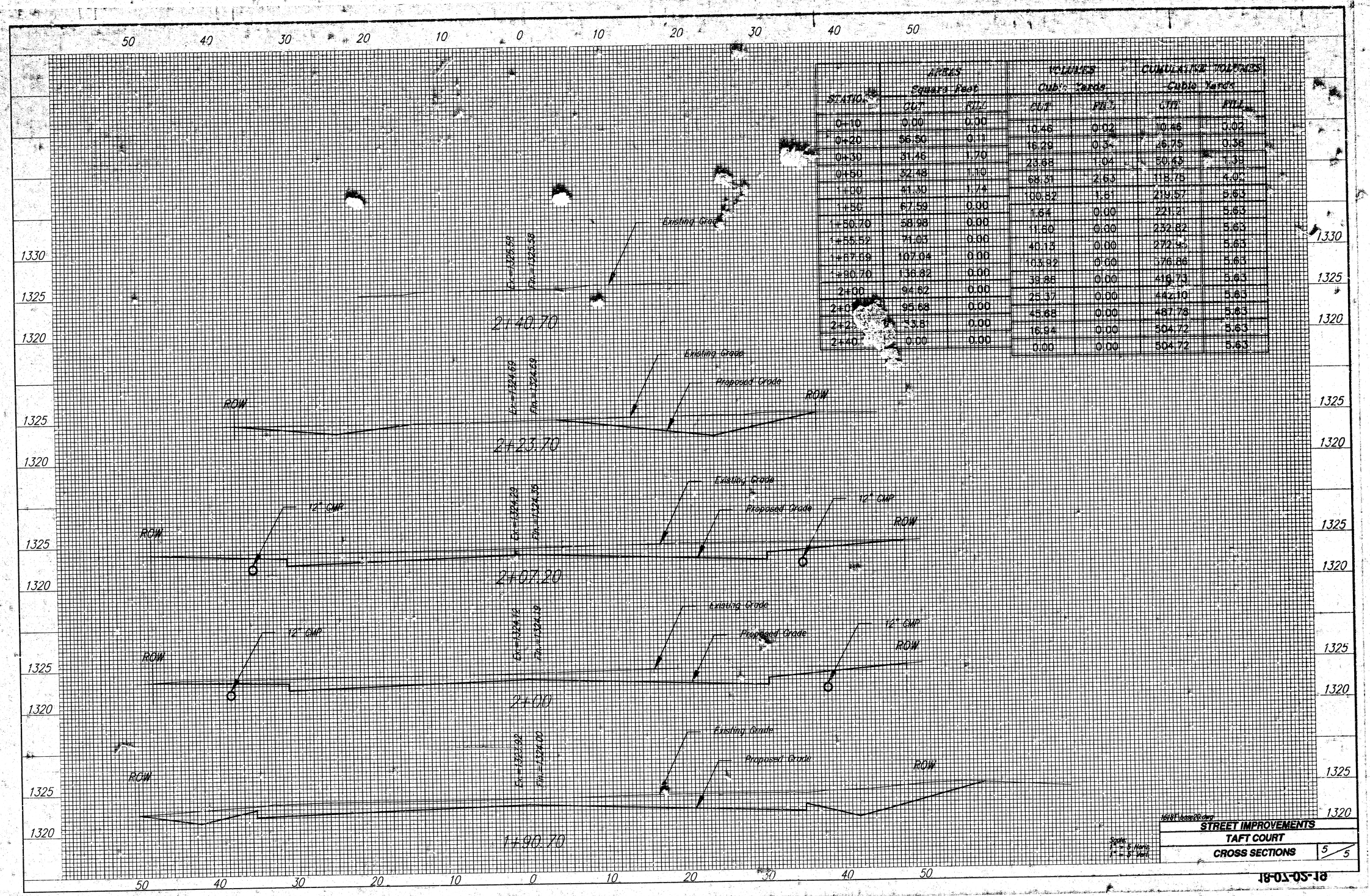
10

20

30

40

50



STATION	AREAS Square Feet CUT	AREAS Square Feet FILL	VOLUMES Cubic Yards CUT	VOLUMES Cubic Yards FILL	CUMULATIVE TOTALS Cubic Yards CUT	CUMULATIVE TOTALS Cubic Yards FILL
0+10	0.00	0.00				
0+20	56.50	0.11	10.46	0.02	10.46	0.02
0+30	31.46	1.70	16.29	0.36	26.75	0.38
0+50	52.48	1.10	23.68	1.04	50.43	1.39
1+00	41.30	1.74	68.31	2.63	118.75	4.02
1+50	67.59	0.00	100.82	1.61	219.57	5.63
1+50.70	58.98	0.00	1.64	0.00	221.21	5.63
1+55.52	71.03	0.00	11.60	0.00	232.82	5.63
1+67.69	107.04	0.00	40.13	0.00	272.95	5.63
1+90.70	136.82	0.00	163.92	0.00	436.86	5.63
2+00	94.62	0.00	38.88	0.00	475.73	5.63
2+07.20	95.68	0.00	25.37	0.00	501.10	5.63
2+23.70	53.81	0.00	45.68	0.00	546.78	5.63
2+40.70	0.00	0.00	16.94	0.00	563.72	5.63
			0.00	0.00	563.72	5.63

16\81\base20.dwg

STREET IMPROVEMENTS
TAFT COURT
CROSS SECTIONS 5/5

Scale:
1" = 5' Horiz.
1" = 5' Vert.

81-20-20-81