ACCESS ROADWAY & PARKING LOT PAVEMENT CONSTRUCTION

IN PAWNEE PRAIRIE PARK

CITY OF WICHITA, KANSAS

INDEX NO. 785212

PROJECT NO. 472-82201

GENERAL NOTES

1. The contractor is solely responsible to notify and to make any necessary arrangements with utility companies for any needed adjustments of utility facilities prior to start of work.

2. Contractor will be required to provide as minimum advance notice of forty-eight (48) hours to utility companies prior to starting any excavation as follows:

Kansas One Call	687-2470
Southwestern Bell Telephone Company	1-316-571-2611
Cablevision	262-4270 or 263-2061
KPL Gas Service	263-7511
Kansas Gas & Electric	264-1141
City of Wichita Water Department	268-4908
City of Wichita Sewer Department	268-4071
Arkla Gas Company	942-8350 or 263-8161

3. 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 where proposed abuts an existing surface course or pavement removal. Sawed joint to facilitate removal within three (3) feet of existing joints will not be permitted and for such instances the limits of removal shall extend 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.

4. 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 operation.

5. Rubble from the removal of miscellaneous structures and excess excavation which is to be vasted shall be disposed of by the Contractor. The cost of disposing of rubble from the removal of miscellaneous structures and excess excavation, including loading and hauling shall be included in the unit cost of excavation.

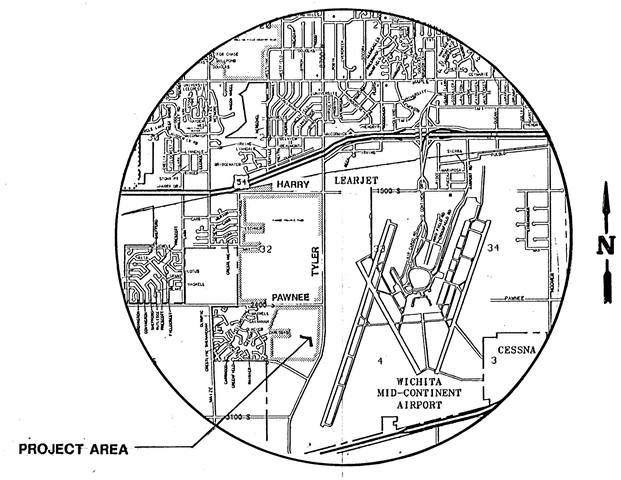
6. Where the proposed construction limit finish grade elevation does not match the existing ground elevation, the earth work shall extend one foot beyond the construction limit line and then slope up or down using permissable slopes to match the existing surface.

7. All riprap for this project shall be natural stone or pre-mixed dry packaged concrete bag. Ripraps are to be placed neatly.

8. The project limits may have underground sprinkler systems which conflict with new construction. Contractor will be required to remove such improvements should they not be removed by their owner at the time of construction of the project. The contractor will be required to salvage all sprinkler heads and/or valves and give such material to their owner. Portions of underground sprinkler systems not in conflict with new construction shall be protected from damage and shall remain in place. All work in connection with underground sprinkler systems shall be considered as subsidiary to the contract pay items of work.

9. The contractor must examine the construction site prior to bidding and be satisfied as to the work shown for completion. After bids have been received, the contractor shall not assert that there was a misunderstanding of the quantities of work or of the nature of the work to be completed.

10. Contractor shall seed, mulch and fertilize ditch bottom and side slopes per City specification.



VICINITY MAP
No Scale

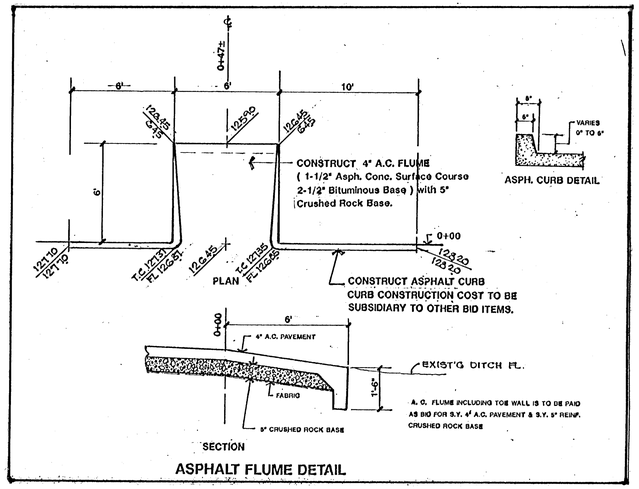
INDEX

Sheet No.	Description
1	TITLE SHEET
2	CONSTRUCTION PLAN
3	CONSTRUCTION PLAN with DETAILS
4-5	CROSS SECTIONS

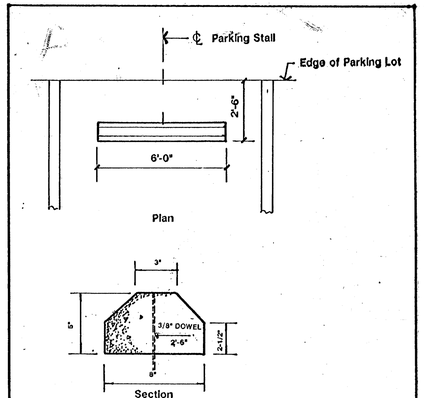
M. E. LINDEBAK, P.E.; CITY ENGINEER

BEHROZ RAHBAR License #9773 PROFESSIONAL ENGINEER

TELEDYNE NATIONAL NO. 185A-24X36

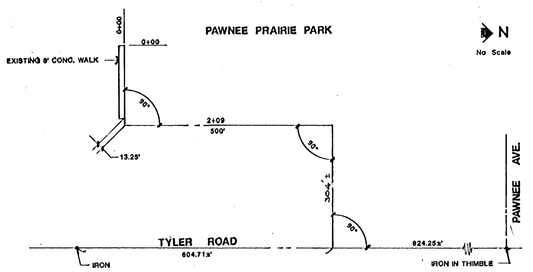


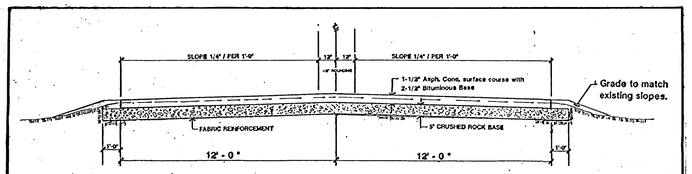
ASPHALT FLUME DETAIL



CONCRETE PARKING STOP DETAIL

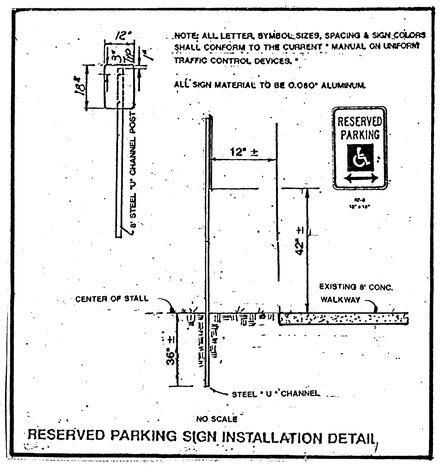
NOTE: These plans were prepared using information from Pawnee Prairie Park topographical survey. Field Engineer shall verify existing elevations and horizontal dimensions on these plans and make adjustments as necessary between actual construction and construction plans.





TYPICAL SECTION

24' ASPHALTIC CONCRETE ROADWAY WITH REINF. CRUSHED ROCK BASE



RESERVED PARKING SIGN INSTALLATION DETAIL

FABRIC BASE REINFORCEMENT SHALL BE 8 X 1100 AS MANUFACTURED BY TENSAR CORPORATION OR APPROVED EQUAL. FABRIC BASE REINFORCEMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURES RECOMMENDATIONS. CRUSHED ROCK SHALL BE UNIFORMLY GRADED.

PER CENT OF AGGREGATE RETAINED	
2-1/2"	0
3/4"	20 to 60
# 4	50 to 80
# 40	80 to 94
# 200	90 to 98

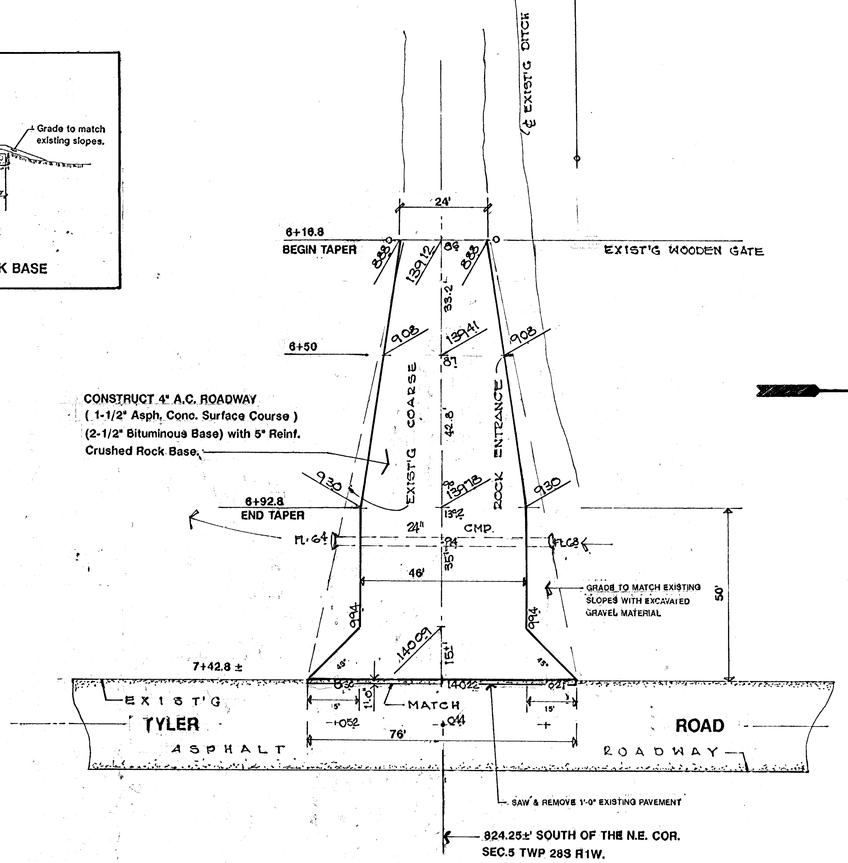
ROCK QUALITY SHALL CONFORM TO THE REQUIREMENTS SPECIFIED BY K.D.O.T. 1990 EDITION STANDARD SPECIFICATION SUBSECTION 1102 FOR DURABILITY CLASS I.

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.

REINFORCED CRUSHED ROCK BASE WILL BE PAID FOR AT THE SQUARE YARD PRICE FOR 5" THICKNESS.

All grassed areas disturbed by the construction improvements under this contract shall be replanted with buffalo grass seed at an application rate of 2 lbs. per 1000 sq. feet. Seeding to be applied between May 1 & July 1.

NOTE: ALKALOID FAST DRY TRAFFIC MARKING PAINT AS APPROVED BY THE ENGINEER.



BEHROOZ RAHIMI
License #9778
PROFESSIONAL ENGINEER

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PAWNEE PRAIRIE PARK

ACCESS ROADWAY & PARKING LOT PAVEMENT CONSTRUCTION

SCALE: 1" = 20'	APPROVED BY	DRAWN BY	Bill Elliott
DATE:			

PLAN & DETAILS

DRAWING NUMBER

TELEDYNE NATIONAL NO. 1884-24X36

SEE FLUME DETAIL SHEET 3

EXISTG GRAVEL ROADWAY W/ CABLE GATE

End 4' bottom ditch construction at Sta. 0-80

WOOD POST'S APPROX 10' CTRS

4" White Traffic Marking Paint ((Typical)

8' CONC. SIDEWALK MATCH EXISTG

4 : 1 SLOPE

4' Bottom Ditch

Construct 2'-10" DITCH

ASPHALT PARKING

18 STALLS AT 10' = 180'

28 STALLS AT 10' = 140'

38 STALLS AT 10' = 190'

191.75'

2 - 14'-10 1/2" HANDICAP STALLS

INSTALL TWO HANDICAP PARKING SIGNS

WOOD PLANK FOOT BRIDGE

REMOVE EXISTG CMP

Install 42 l.f. 25"x16" CMPA.

2+09 Center Line

EXISTG GRAVEL

END A.C. PARKING LOT CONSTRUCTION
BASE BID ITEMS ALTERNATE #1
Grade to match existing ground in 10±'

END A.C. PARKING LOT CONSTRUCTION
ADD ALTERNATE BID ITEMS MEASURED QUANTITIES
Grade to match existing ground in 10±'

MATCH EXISTG DITCH

END DITCH RE-GRADING

ONE STRAND CABLE THRU WOOD POSTS.

EXIST'G WOODEN GATE

P.C. 0+20

P.T. 1+20

P.C. 3+75

P.C.C. 4+54.59

P.T. 5+56.17

REVERSE CURVE DATA
Sta. 0+20 - 1+20
Arc=52.10'
Rad.= 105.32'
Δ = 28° 20' 32"
C=51.57'
T=26.59'

4" A.C. PARKING LOT & ACCESS ROAD CONSTRUCTION
(1-1/2" Asph. Conc. Surface Course) (2-1/2" Bituminous Base) with 5" Reinf. Crushed Rock Base

EDGE OF PROPOSED ASPHALT PARKING LOT

EXISTING 8' SIDEWALK

SURVEY REFERENCE LINES

B.M. 132.93 "D" IN N.W. COR. 4' CONC.
019.5 N. - 1196 E.

Curve Data based on ℄ Rad. = 152.00'
Δ = 30° T=40.73 C=78.68'

STATION	ARC	CHORD	DEFL.	TOTAL DEFLECTION
P.C. 3+75				0° 00' 00"
4+00	25.00'	24.97'	4° 42' 42"	4° 42' 42"
4+25	25.00	24.97'	4° 42' 42"	9° 25' 24"
P.C.C.4+54.59	29.59	29.54'	5° 34' 36"	15° 00' 00"

Curve Data based on ℄ RAD. = 97.00'
Δ = 60° T=56.00 C=97.00'

STATION	ARC	CHORD	DEFL.	TOTAL DEFLECTION
P.C.C.4+54.59				0° 00' 00"
4+75	20.41'	20.37'	6° 01' 40"	6° 01' 40"
5+00	25.00'	24.93'	7° 23' 00"	13° 24' 40"
5+26	25.00'	24.93'	7° 23' 00"	20° 47' 40"
P.T. 5+56.17	31.17'	31.04'	9° 12' 20"	30° 00' 00"

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REVISED 7-2-92

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PAWNEE PRAIRIE PARK
ACCESS ROADWAY & PARKING LOT PAVEMENT CONSTRUCTION

SCALE: 1" = 20'	APPROVED BY	DRAWN BY Bill Elliott
DATE:		

PLAN

"PERFECT" CROSS SECTION
10 X 10 - ONE INCH
DIETZGEN
PRINTED IN U.S.A.

3+00 2+50 2+00 1+50 1+20 1+00 0+80 0+50 0+00 -0+10

2+09.38
1+95.75
1+80
1+50
1+00
0+50
0+00
-0+10
1+32 ℄ DITCH
0+47

240 SF
50 SF
210 SF
270 SF
295 SF
270 SF
208 SF
331
333
323
158 SF
327 SF
1308
1307
42 SF
154 SF
EXC= 62.2 CYS
185 SF
EXC= 93.4 CYS
185
x 13.03
1308 FW
185
197.3
x 15.76'
210
EXC= 115.3 CYS
500
538.5
x 20'
571
1318 FW
571
551.5
x 20'
544
1307 FW
544
514.5
x 25'
485
EXC= 352.8 CYS
485
389.5
x 20'
294
FW
720
EXC= 721.3 CYS

135
130
135
130
135
130
125
135
130
125
130
125
130
125

EXCAVATION	
	3574.3 CYS
	727.1 CYS
GRAND TOTAL	4301.4 CYS

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PAWNEE PRAIRIE PARK

"PERFECT" CROSS SECTION
10 x 10 — ONE INCH
DIETZGEN

PRINTED IN U.S.A.

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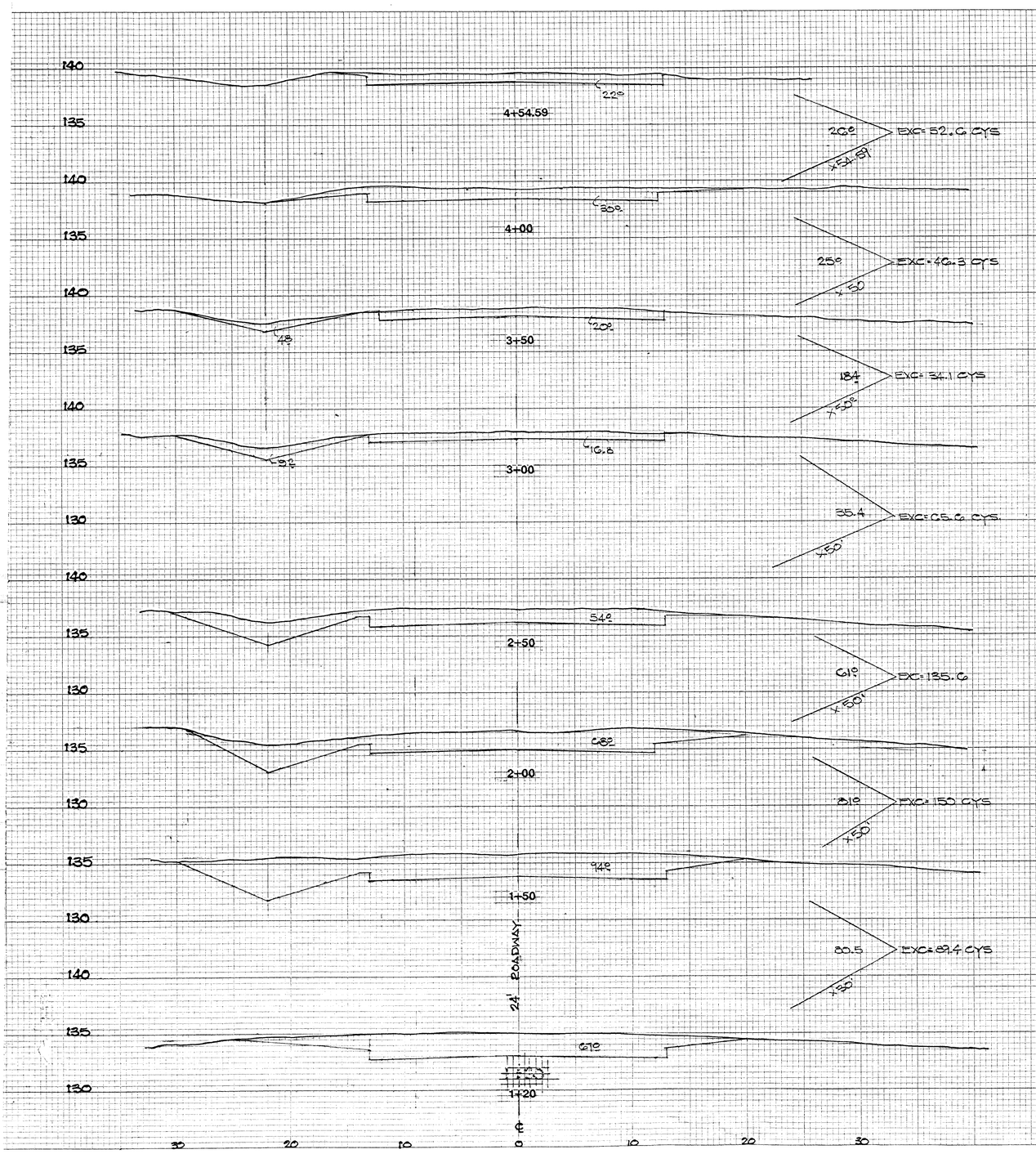

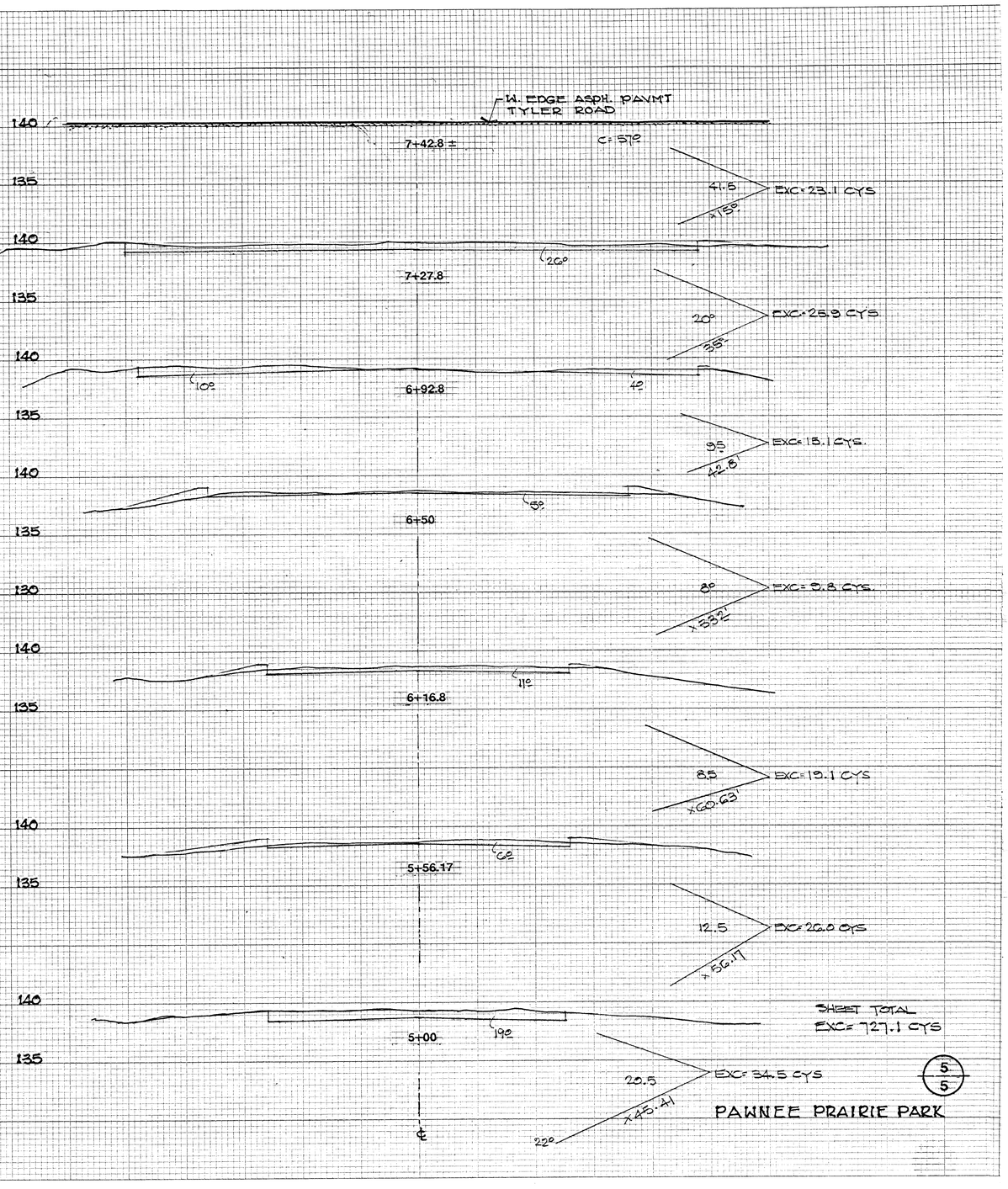

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