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. Saved 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 wasted 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.

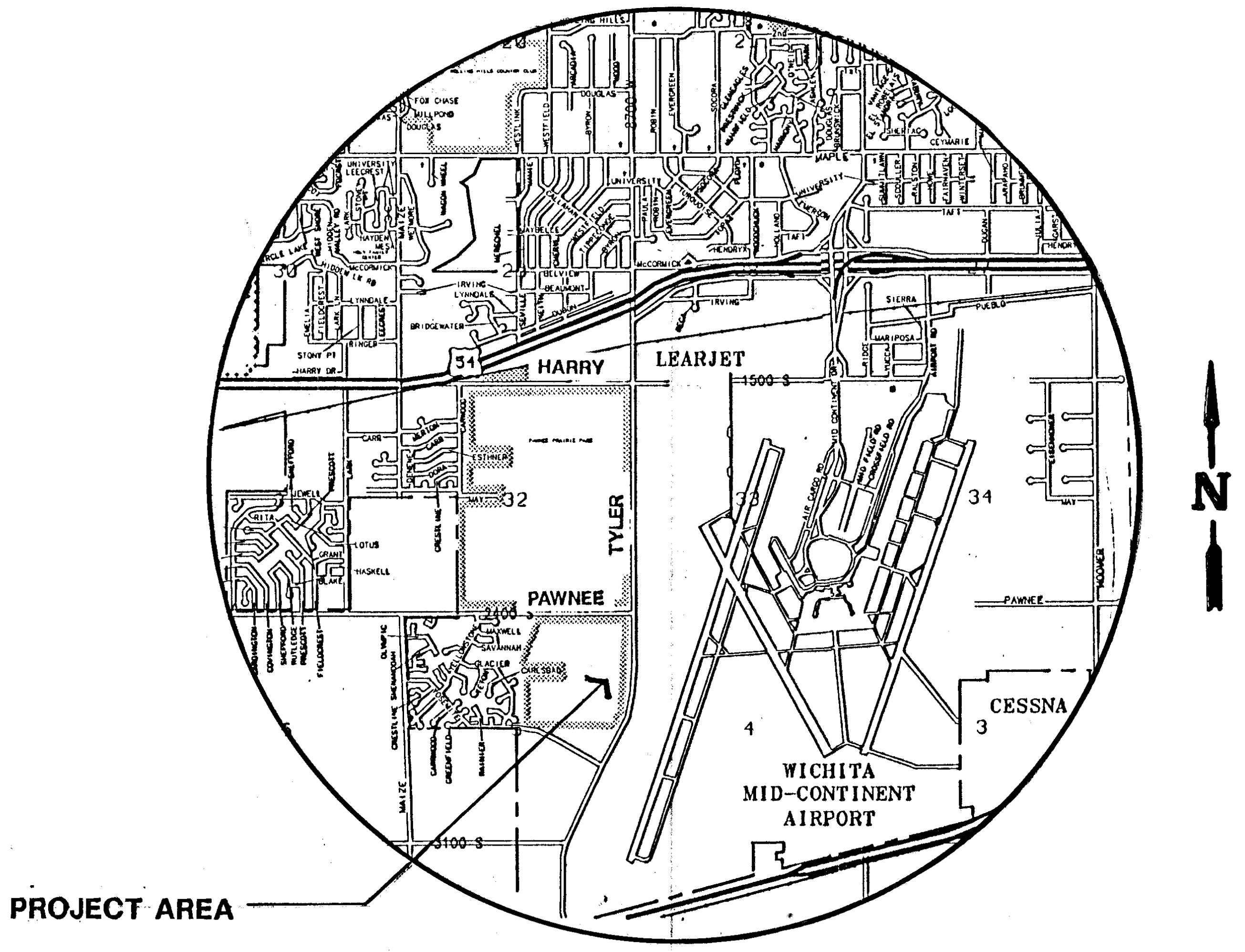
6. Where the proposed construction limit finish grade elevation does not match the existing ground elevation, the earth work shall extend one foot beyond the construction limit line and then slope up or down using permissable slopes to match the existing surface.

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

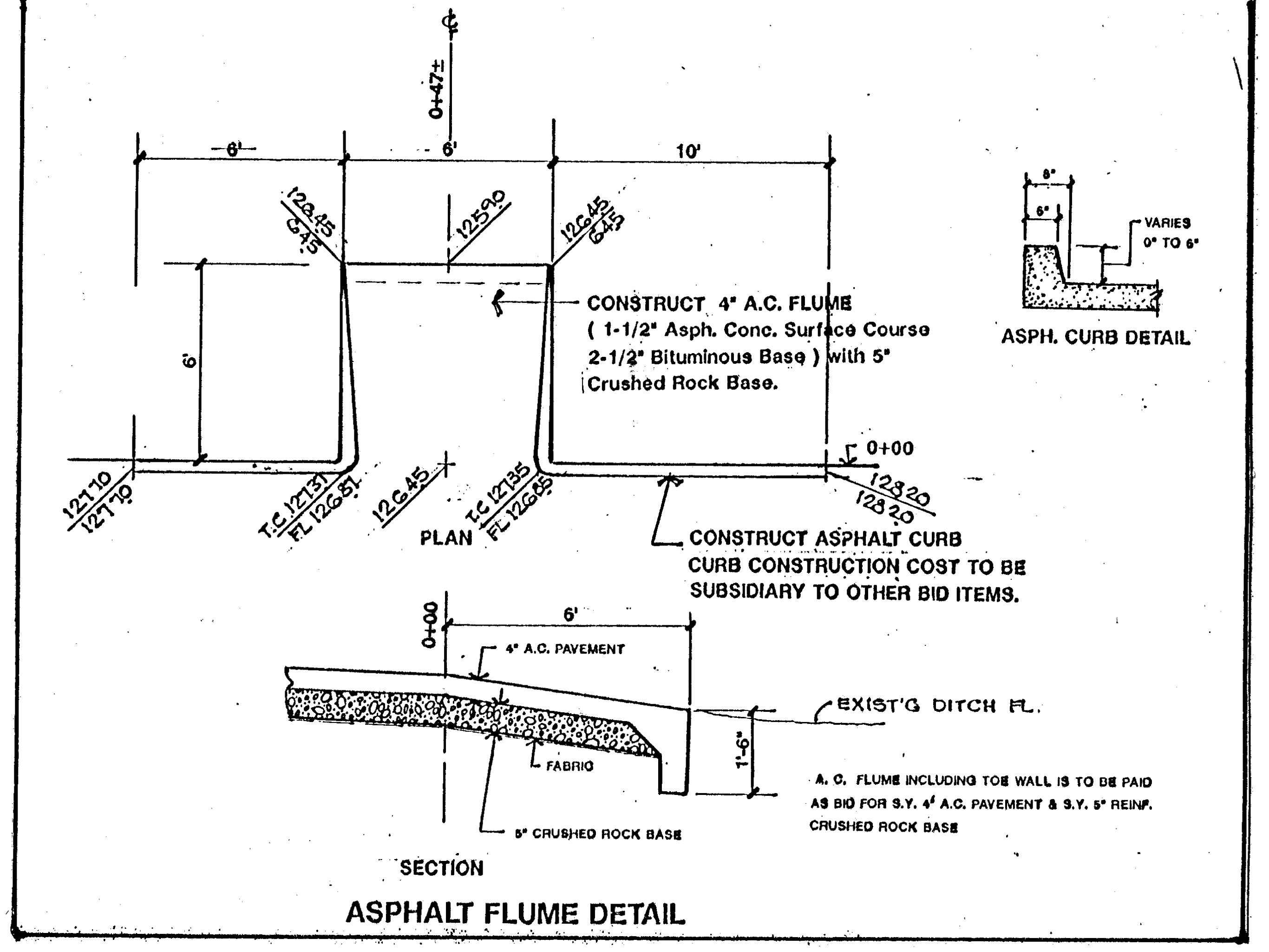
INDEX

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

BEHROOZ RAHBAR
License #9773

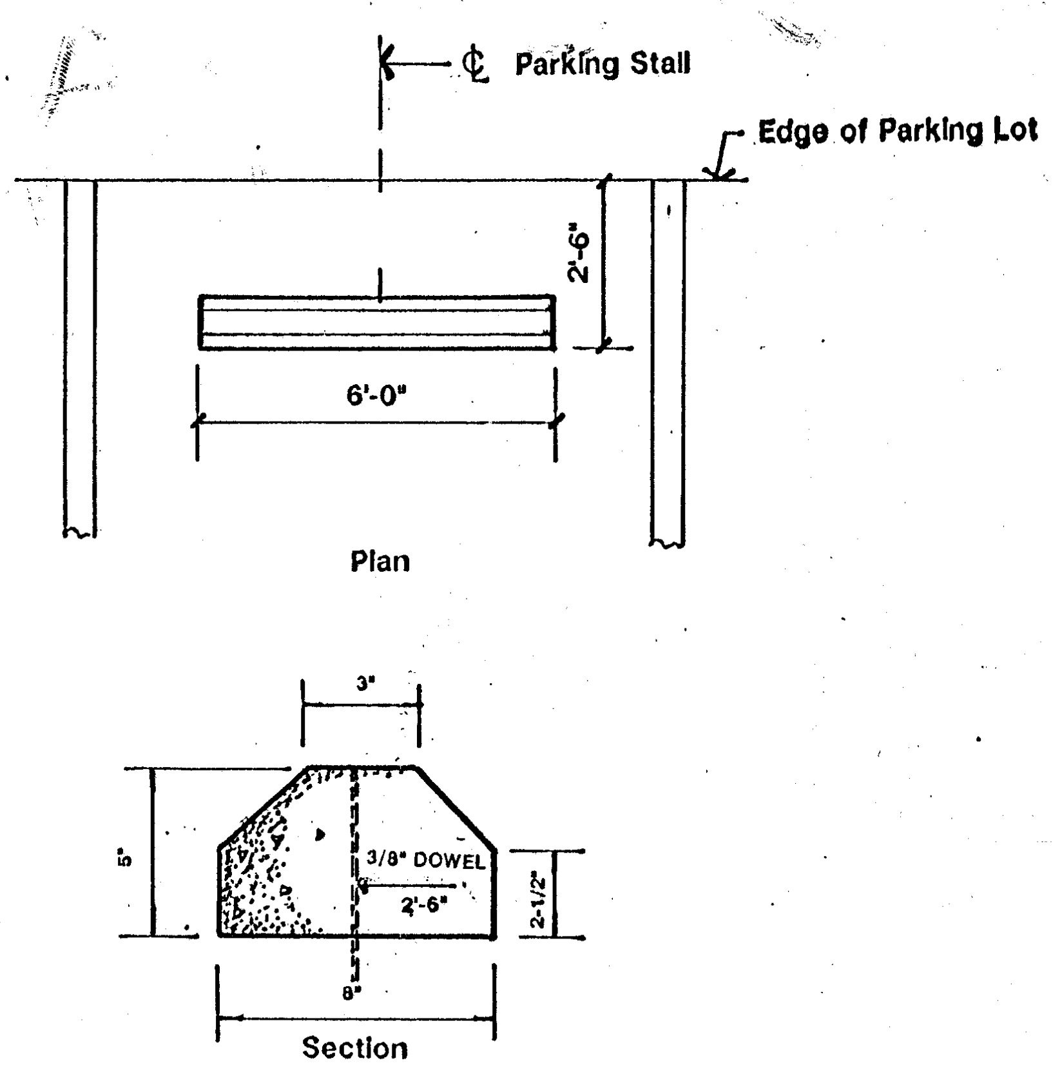
TELEDYNE NATIONAL NO. 185A-24X36



℄
0+47±
6'
6'
10'
128.45
6.45
125.90
126.45
6.45
6'
127.10
127.10
T.C. 127.31
FL 126.81
126.45
T.C. 127.35
FL 126.85
0+00
128.20
128.20
PLAN
CONSTRUCT 4" A.C. FLUME (1-1/2" Asph. Conc. Surface Course 2-1/2" Bituminous Base) with 5" Crushed Rock Base.
CONSTRUCT ASPHALT CURB CURB CONSTRUCTION COST TO BE SUBSIDIARY TO OTHER BID ITEMS.
8"
6"
VARIES 0" TO 6"
ASPH. CURB DETAIL
0+00
6'
4" A.C. PAVEMENT
EXIST'G DITCH FL.
1'-6"
FABRIC
5" CRUSHED ROCK BASE
SECTION

A. C. FLUME INCLUDING TOE WALL IS TO BE PAID AS BID FOR S.Y. 4" A.C. PAVEMENT & S.Y. 5" REINF. CRUSHED ROCK BASE

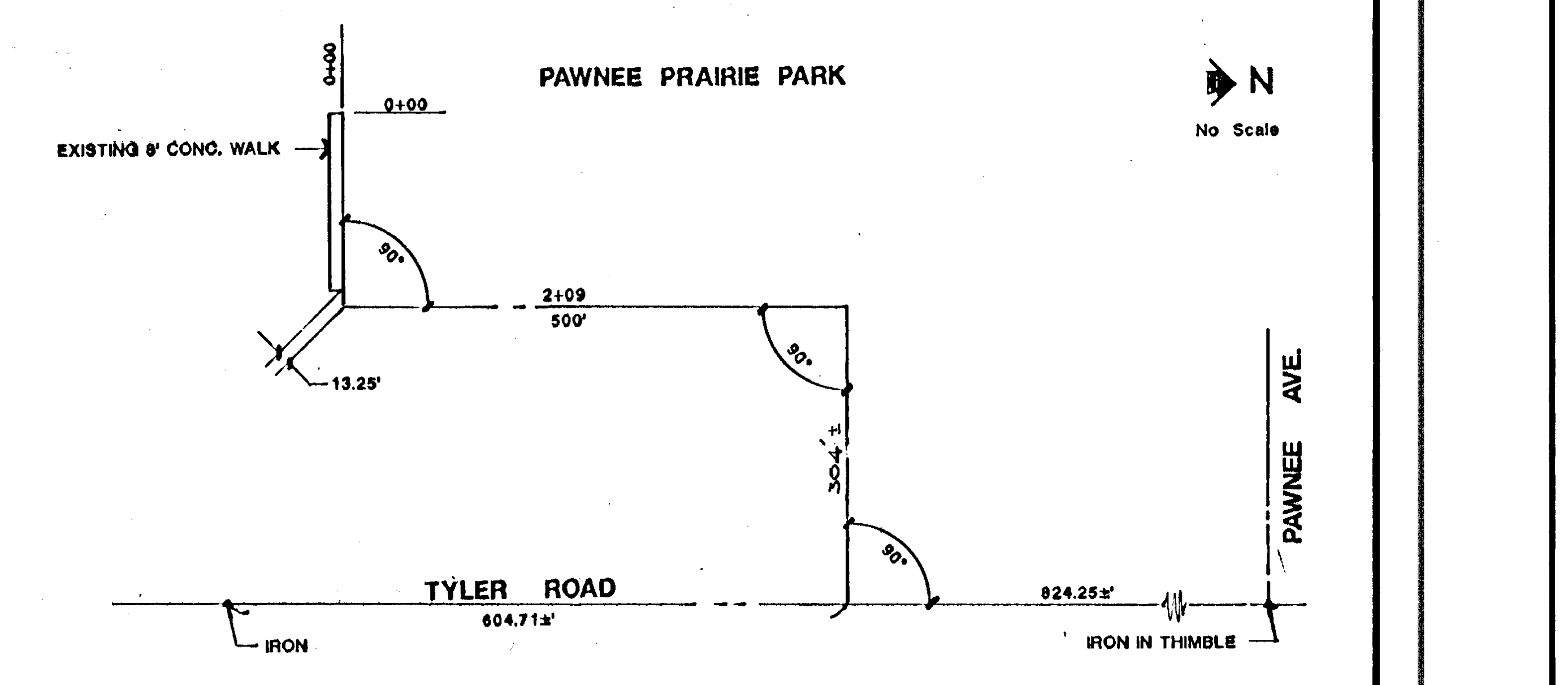
ASPHALT FLUME DETAIL



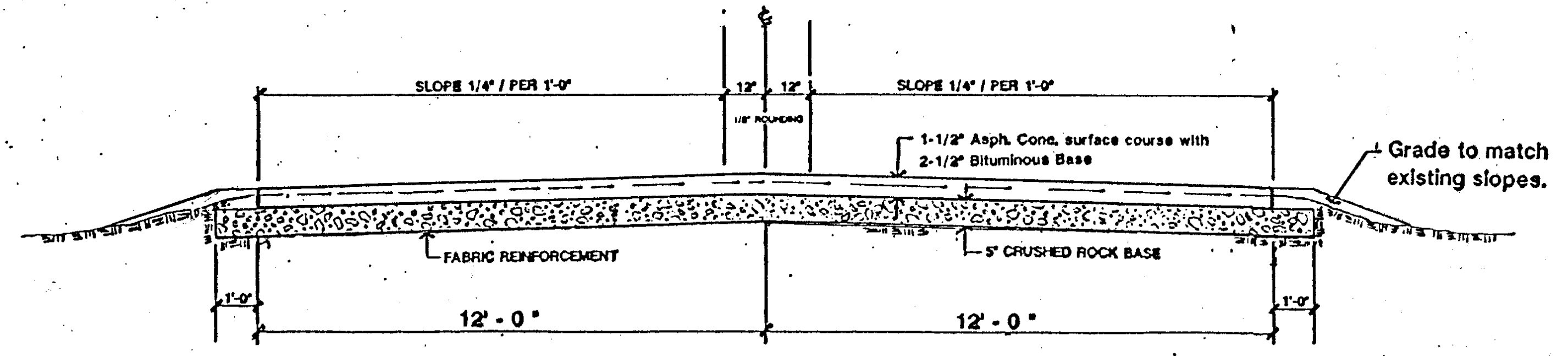
℄ Parking Stall
Edge of Parking Lot
2'-6"
6'-0"
Plan
3"
5"
3/8" DOWEL
2'-6"
2-1/2"
8"
Section

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.



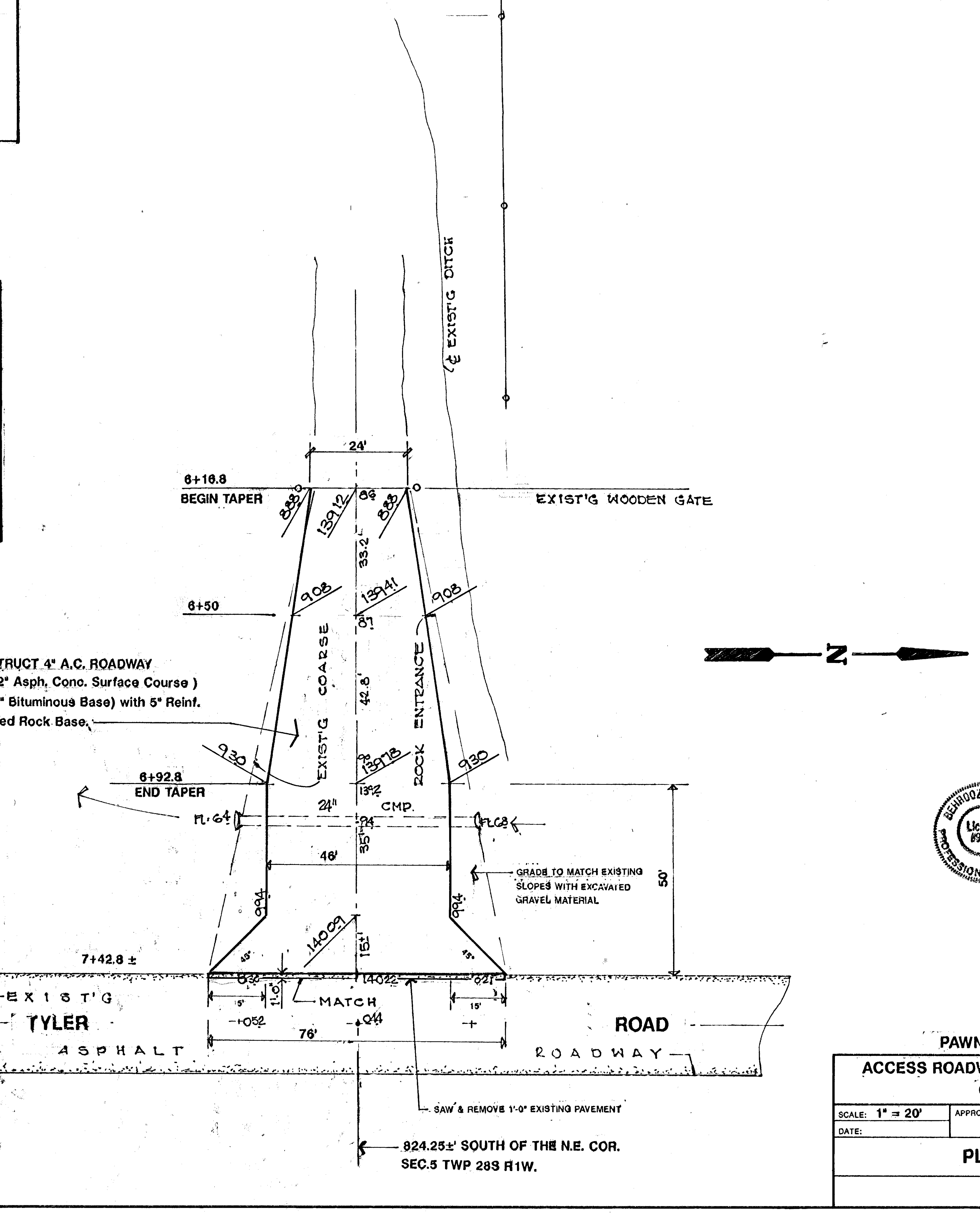
PAWNEE PRAIRIE PARK
N
No Scale
0+00
0+00
EXISTING 8' CONC. WALK
90°
2+09
500'
13.25'
90°
304'±
90°
TYLER ROAD
604.71±'
824.25±'
IRON
IRON IN THIMBLE
PAWNEE AVE.



℄
SLOPE 1/4" / PER 1'-0"
12"
12"
1/8" ROUNDING
SLOPE 1/4" / PER 1'-0"
1-1/2" Asph. Conc. surface course with 2-1/2" Bituminous Base
Grade to match existing slopes.
FABRIC REINFORCEMENT
5" CRUSHED ROCK BASE
1'-0"
12' - 0"
12' - 0"
1'-0"

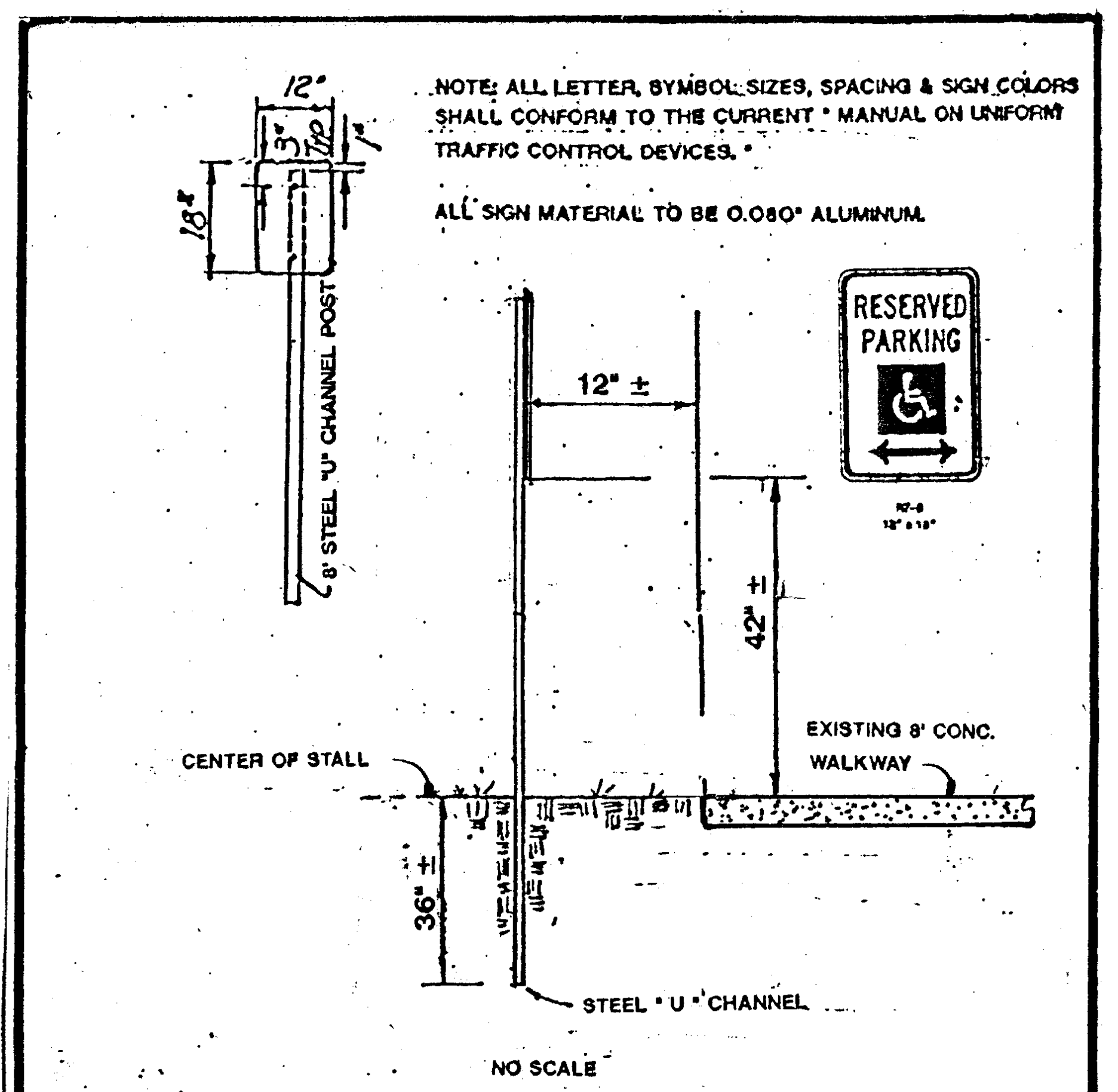
TYPICAL SECTION

24' ASPHALTIC CONCRETE ROADWAY WITH REINF. CRUSHED ROCK BASE



(℄ EXIST'G DITCH
24'
6+16.8
BEGIN TAPER
88.8
139.12
86
88.8
EXIST'G WOODEN GATE
33.2'
6+50
90.8
139.41
87
90.8
N
CONSTRUCT 4" A.C. ROADWAY
(1-1/2" Asph. Conc. Surface Course)
(2-1/2" Bituminous Base) with 5" Reinf.
Crushed Rock Base.
EXIST'G COARSE
42.8'
ROCK ENTRANCE
93.0
139.78
93.0
6+92.8
END TAPER
139.2
24" CMP.
FL 64
94
FL 68
35'±
46'
GRADE TO MATCH EXISTING SLOPES WITH EXCAVATED GRAVEL MATERIAL
50'
99.4
99.4
140.09
15'±
45°
45°
7+42.8 ±
EXIST'G
93.2
11.0'
MATCH
140.22
92.1
5'
15'
+05.2
+94.4
+
TYLER
76'
ROAD
ASPHALT
ROADWAY
SAW & REMOVE 1'-0" EXISTING PAVEMENT

824.25±' SOUTH OF THE N.E. COR.
SEC.5 TWP 28S R1W.



12"
3"
TYP.
1"
18"
8' STEEL "U" CHANNEL POST
12" ±
RESERVED PARKING
R7-8
12" x 18"
42" ±
CENTER OF STALL
EXISTING 8' CONC. WALKWAY
36" ±
STEEL "U" CHANNEL

NOTE: ALL LETTER, SYMBOL SIZES, SPACING & SIGN COLORS SHALL CONFORM TO THE CURRENT " MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. "

ALL SIGN MATERIAL TO BE 0.080" ALUMINUM.

NO SCALE

RESERVED PARKING SIGN INSTALLATION DETAIL

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

FABRIC BASE REINFORCEMENT SHALL BE B 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.

BEHROOZ RAHBAR
License #9773

2
5

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. 185A-24X36

N
EXIST'G GRAVEL ROADWAY W CABLE GATE
SEE FLUME DETAIL SHEET 3
End 4' bottom ditch construction at Sta. 0-80
WOOD POST'S APPROX 10' CTRS
4" White Traffic Marking Paint ([Typical)
8' CONC. SIDEWALK
EXIST'G MATCH
ASPHALT PARKING
18 STALLS AT 10' = 180'
28 STALLS AT 10' = 140'
2 - 14-10 1/2' HANDICAP STALLS
191.75'
4:1 SLOPE
4' Bottom Ditch
Construct
2-1/2' Ⓒ DITCH
25' TYP.
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±'
ONE STRAND CABLE THRU WOOD POSTS
END DITCH RE-GRADING
MATCH FL.
Ⓒ EXIST'G DITCH
REMOVE EXIST'G CMP
Install 42 l.f. 25"x16" CMPA.
2+09 Center Line
EXIST'G GRAVEL
INSTALL TWO HANDICAP PARKING SIGNS
WOOD PLANK FOOT BRIDGE
P.R.C.
P.C. 0+20
P.T. 1+20
P.C. 3+75
P.C.C 4+54.59
P.T. 5+56.17
R=152'
R=97'
60°
30°
24'
6+18.8
EXIST'G WOODEN GATE
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
SURVEY REFERENCE LINES
EXISTING 8' SIDEWALK
90°
0+00
BEHROOZ RAHBAR PROFESSIONAL ENGINEER License #9778

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+25	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"

B.M. 132.93 "□" IN N.W. COR. 4' CONC.
0+9.5 N. - 1+96 E.

REVISED 7-2-92

PAWNEE PRAIRIE PARK

ACCESS ROADWAY & PARKING LOT PAVEMENT
CONSTRUCTION

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

PLAN

"PERFECT" CROSS SECTION
10 x 10 – ONE INCH
DIETZGEN
PRINTED IN U.S.A.

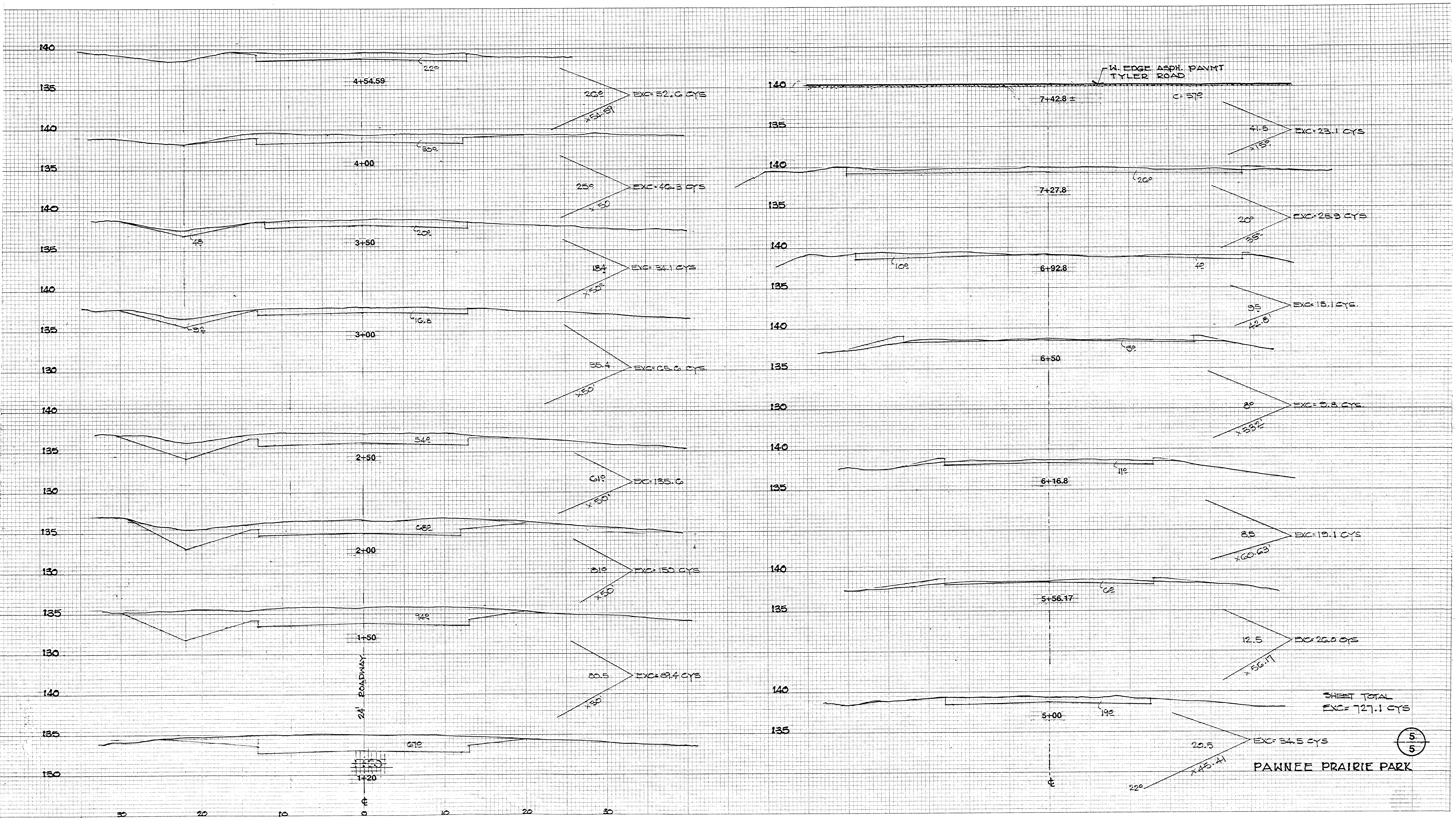
3+00
2+50
2+00
1+50
1+20
0
2+09.38
185 SF
EXC= 93.4 CYS
185?
x 13.63
1329 WK.
1+95.75
240 SF
56 SF
210 SF
EXC = 115.3 CYS
185
197.5
x 15.75'
210
1+80
276 SF
295 SF
506
538.5
x 30'
571
EXC= 337.2 CYS
1318 WK.
1+50
276 SF
268 SF
571
551.5
x 50'
544
1,032.4 CYS
EXC
1307
1+00
1331
1330
1323
158 SF
321 SF
544
514.5
485
952.8 CYS
EXC
WK.
0+50
1332
1323
1314
1308
1307
63 SF
42 SF
184 SF
485
389.5
x 50'
294
= 721.3 CYDS
WK
720
0+00
EXC= 62.2 CYS
21
x 80
0+80
0-10
135
130
125
3+00
2+35
2+50
2+00
1+50
1+34
℄ DITCH
1+00
0+47
0+00

EXCAVATION
3974.6 CYS
727.1 CYS
GRAND TOTAL 4701.7 CYS

4/5

PAWNEE PRAIRIE PARK

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


140
135
130
4+54.59
22º
26º
x54.59'
EXC=52.6 CYS
4+00
20º
25º
x50
EXC=46.3 CYS
3+50
4º
20º
184
x50'
EXC=34.1 CYS
3+00
5º
16.8
35.4
x50'
EXC=65.6 CYS
2+50
54º
61º
x50'
EXC=135.6
2+00
68º
81º
x50'
EXC=150 CYS
1+50
94º
80.5
x30'
EXC=89.4 CYS
24' ROADWAY
1+20
67º
30
20
10
0
℄
W. EDGE ASPH. PAVMT
TYLER ROAD
7+42.8 ±
C=57º
41.5
x15º
EXC=23.1 CYS
7+27.8
20º
35º
EXC=25.9 CYS
6+92.8
10º
4º
95
42.8'
EXC=15.1 CYS.
6+50
5º
8º
x532'
EXC=5.8 CYS.
6+16.8
11º
8.5
x60.63'
EXC=19.1 CYS
5+56.17
6º
12.5
x56.17
EXC=26.0 CYS
5+00
19º
20.5
x45.41
22º
EXC=34.5 CYS
℄

SHEET TOTAL
EXC= 727.1 CYS

5
5

PAWNEE PRAIRIE PARK

18-10-1-1