CONTRACT NO. 90632

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
729	34Z-4	VERMILION	285	76
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CL SURVEY & CONSTRUCTION
FAP ROUTE 729

TEMPORARY EASEMENT LINE

PROPOSED ROW LINE

EXISTING ROW LINE

STA 90+488.370 (US 136)=
STA 4+000 (N WALNUT ST)

S. WALNUT ST.

4+950

CL SURVEY & CONSTRUCTION
S WALNUT ST

STA 90+492.108 (US 136)=
STA 5+000 (S WALNUT ST)

90°20'21"

90°13'49"

SSRG 300mm x 3.0m TY 1 (TB 1)

#25 INLET (A-11)
5.35m LT
STA 4+031.50
TC = 182.561
INV = 181.554

INV 181.520
#26 INLET (B-11)
W/ FST STD 602601
5.35m LT
STA 4+028.08
TC = 182.557
INV = 181.460

#169 INLET (A-11V)
5.35m LT
STA 4+054.90
TC = 182.631
INV = 181.675

#172 INLET (A-10)
5.35m LT
STA 4+102.50
FL = 182.623
INV = 181.672

LIMITS OF CONSTRUCTION

SSRG 300mm x 6.7m TY 1 (TB 3)

SSRG 300mm x 5.5m TY 1 (TB 3)

SSRG 300mm x 6.1m TY (TB 3)

SSRG 750mm x 27.4m TY 2 (TB 53)

SSRG 750mm x 45.7m TY 2 (TB 84)

INV 181.392
TBR 610mm

INV 181.589

4+050

4+100

INV 181.581

CONNECT EXISTING
STORM SEWER TO
PROPOSED MANHOLE

SSRG 300mm x 6.7m TY 1 (TB 4)

SSRG 300mm x 5.5m TY 2 (TB 4)

CL SURVEY & CONSTRUCTION
N WALNUT ST

INV 181.572

INV 181.461

#30 INLET (A-11)
8.73m RT
STA 4+031.50
TC = 182.495
INV = 181.491

#170 INLET (A-11V)
7.74m RT
STA 4+057.41
TC = 182.590
INV = 181.650

#31 INLET (B-11)
W/ FST STD 602601
8.96m RT
STA 4+028.54
TC = 182.473
INV = 181.401

SSRG 300mm x 5.5m TY 1 (TB 2)

SSRG 300mm x 2.4m TY 1 (TB 1)

#175 1.2m MH (A-1-OPEN)
W/ FST STD 602601
10.42m RT
STA 4+106.00
G = 182.570
INV = 181.680

SSRG 300mm x 6.7m TY 1 (TB 3)

#174 INLET (B-10)
W/ FST STD 602601
5.56m RT
STA 4+101.00
FL = 182.615
INV = 181.512

PROPOSED ROW LINE

LIMITS OF CONSTRUCTION
TEMPORARY EASEMENT LINE

SCALE IN METERS 2.5 0 2.5 5.0 7.5 10.0 12.5

HORIZONTAL
SCALE IN METERS 2.5 0 2.5 5.0 7.5 10.0 12.5

VERTICAL
SCALE IN METERS 0.5 0 0.5 1.0 1.5 2.0 2.5

VPI = 4+022.700
ELEV = 182.503
L = 20.000 m
K = 0.033 m

+1.00% +2.00% -2.01% -1.00% +0.30%

PROPOSED PROFILE GRADE LINE
EXISTING PROFILE GRADE LINE

0.80m RT
STA 90+489.70
SEE MAINLINE DRAINAGE SHEET NO. 68

5.00m LT
STA 90+489.70
SEE MAINLINE DRAINAGE SHEET NO. 68

#27 1.5m MH (A-1-C)
W/ FST STD 602601
1.42m RT
STA 4+028.08
L = 182.998
INV = 180.624

#171 1.5m MH (A-1-C)
W/ FST STD 602601
1.42m RT
STA 4+057.41
L = 182.579
INV = 180.757

#173 1.5m MH (A-1-C)
W/ FST STD 602601
0.61m RT
STA 4+103.86
L = 182.735
INV = 180.910

750mm SS @ 0.25%

750mm SS @ 0.24%

750mm SS @ 0.20%

EXISTING 600mm SS

INV 180.566
INV 180.492
INV 181.328
INV 180.684
INV 181.589
INV 180.817
INV 181.430

	4+950.0								4+000								4+050								4+100			
	182.093 (EXIST)	182.269	182.451	+972.540 VPI 182.469	182.534 182.544 (PROP)	182.718 182.644 +991.000 VPI 182.654		+999.999 VPI 182.834 182.873 182.821	+009.000 VPI 182.640 182.747 182.630 +012.700 VPC 182.603 (182.603)	182.696 182.530 (182.557)	+022.700 VPI 182.536 (182.503)	182.721 182.550 (182.550)	+032.700 VPI 182.533 (182.533)	182.730 182.555	182.732 182.585	182.734 182.615	182.734 182.645	182.769 182.675	182.785 182.705	182.795 182.735	182.780 182.765 (PROP)	+115.000 VPI 182.780	182.776 (EXIST)						
185																												185
184																												184
183																												183
182																												182
181																												181
180																												180

DRAINAGE PLAN & PROFILE, N WALNUT ST