CONTRACT NO. 64237

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*2079	**	CARROLL&OGLE	232	53
STA. 170+00	TO STA. 185+00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

*(US 52)

**(16,17,18)RS-3 & (16BR)M-1

EDWARD C. & CLARA M. VOCK

GARDENER ESTATE

2½"-HOT-MIX ASPHALT SURFACE REMOVAL
2¼" HOT-MIX ASPHALT RESURFACING

STA 178+50 - 179+15
CLASS C PATCHES,
TYPE IV - 15"

STA 178+65.40 - REMOVAL OF
EXISTING STRUCTURES No. 10
(SEE SPECIAL PROVISIONS)

MATCH LINE STA. 170+00

EXISTING R.O.W.

CONSTRUCTION LIMITS

PROPOSED R.O.W.

TOPSOIL EXCAVATION &
PLACEMENT = 2" & VAR.

170+00 | 175+00 | 180+00

22

US 52

4"x3"

MATCH LINE STA. 185+00

EXISTING R.O.W.

PROPOSED R.O.W.

GUARDRAIL REMOVAL

CONSTRUCTION LIMITS

Drainage Area =	83.00	acres		
Existing Low Grade Elevation:	899.85	ft. @	180+00	
Proposed Low Grade Elevation:	899.99	ft. @	180+00	

Flood	Frequency Year	Discharge cfs	Headwater Elev. (ft) Existing	Proposed
Ten-Year	10	44	N/A	897.42
Design	50	82	899.47	897.91
Base	100	96	900.12	898.07
EX Overtopping	71	91	899.87	
Max Calc	500	133		898.65

10-Year Velocity through Existing Culvert = 8.7 fps
10-Year Velocity through Proposed Culvert = 6.5 fps

STA 178+82
151.6' (TWIN TOTAL)-PIPE CULVERTS, 45° SKEW,
CLASS A, TYPE 2, 36" W/GRATED CULVERT
EXTENSION, No. 2 LT AND DROP BOX
No. 3 RT
U/S ℄ EL= 893.00
D/S ℄ EL.= 892.50

LOIS & GREG CROSS

V.U. & LOIS CROSS

X = TREE REMOVAL

1" = 50'

0 50' 100'

PLAN: SURVEYED | PLOTTED | CHECKED | NOTE BOOK | NO. | BY | DATE | ELEV. NO. USED | CADD FILE NAME | ELEV. NO. CHECKED

PROFILE: SURVEYED | PLOTTED | CHECKED | NOTE BOOK | NO. | BY | DATE | ELEV. NO. USED | CADD FILE NAME | ELEV. NO. CHECKED | STRUCTURE NO(S).

PLOT DATE = Thu Mar 08 08:32:47 2007
FILE NAME = o:\projects\d2025895\d02585pu1n1.dgn
PLOT SCALE = 50.0000 ' / IN.
USER NAME = dosadd

930 925 920 915 910 905 900 895 890

920.23 920.42 | 918.65 918.83 | 917.05 917.24 | 915.54 915.73 | 913.92 914.11 | 912.34 912.53 | 911.01 911.20 | 909.59 909.78 | 908.32 908.51 | 906.96 907.14 | 905.91 906.10 | 904.88 905.07 | 903.89 904.08 | 903.03 903.22 | 902.27 902.46 | 901.54 901.73 | 900.94 901.13 | 900.48 900.67 | 900.21 900.39 | 900.00 900.19 | 899.95 900.14 | 900.03 900.21 | 900.21 900.40 | 900.45 900.64 | 900.71 900.90 | 900.98 901.16 | 901.38 901.56 | 901.81 902.00 | 902.13 902.32 | 902.43 902.62 | 902.73 902.91

170+00 171+00 172+00 173+00 174+00 175+00 176+00 177+00 178+00 179+00 180+00 181+00 182+00 183+00 184+00 185+00

HOT MIX ASPHALT SURFACE REMOVAL, 2½"
2¼" HOT-MIX ASPHALT RESURFACING

CLASS C PATCHES, TYPE IV, 15"

SPECIAL DITCH
LT 176+00

IMPROVEMENT
STARTS +00

SPECIAL DITCH
RT 177+00

SPECIAL DITCH
RT 178+82

IMPROVEMENT
ENDS +00

-1.50%
-2.50%
-0.30%
+0.46%
-0.30%
+2.44%
+3.10%
+3.10%
+1.14%

EARTH EXC = 1893 CY
FURNISHED EXC = 443 CY
WASTE = 976 CY

US RTE 52
PLAN & PROFILE