



Bar	No.	Size	Length	Shape
a	249	10	28'-1"	U
aE	83	10	28'-1"	U
c	2	4	11'-8"	O
d	78	4	5'-6"	I
h	114	4	40'-0"	—
h1	114	4	16'-1"	—
h2	36	4	8'-1"	—
h3	18	4	11'-3"	—
h4	18	4	35'-6"	—
h5	12	6	25'-3"	—
h6	4	10	25'-3"	—
h1E	32	4	40'-0"	—
h2E	32	4	16'-6"	—
h3E	70	4	3'-5"	—
s	27	4	4'-7"	□
s1	54	4	8'-3"	□
s2	27	4	4'-5"	□
t	136	4	4'-7"	—
v	219	4	5'-3"	—
v1	8	5	9'-3"	—
v2	90	4	7'-10"	—
w1	16	5	8'-11"	—
w2	8	5	11'-5"	—
w3	8	5	35'-5"	—

ITEM	UNIT	QUANTITY
CONCRETE BOX CULVERTS	CU. YD.	136
REINFORCEMENT BARS, EPOXY COATED	LB.	11400
REINFORCEMENT BARS	LB.	39100
CONTROLLED LOW-STRENGTH MATERIAL	CU. YD.	28
FRENCH DRAIN, CA-18	CU. YD.	18
GRATING FOR 36" STORM SEWER	EA.	1

GENERAL NOTES

- DESIGNED IN ACCORDANCE WITH THE AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, DATED 2002, INCLUDING 2003 INTERIMS. ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED JANUARY 1, 2002 AND SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS ADOPTED JANUARY 1, 2003.
- CONCRETE SHALL BE CLASS SI (f'c = 3,500 PSI MINIMUM EXCEPT WHERE SHOWN ON DRAWINGS).
- REINFORCEMENT BARS SHALL CONFORM TO REQUIREMENTS OF AASHTO M-31, M-42 OR M-53, GRADE 60.
- REINFORCEMENT BARS DESIGNATED "(E)" SHALL BE EPOXY COATED.
- PLACE REINFORCING BARS TO PROVIDE 2 INCHES CLEAR CONCRETE COVER EXCEPT WHERE SHOWN ON DRAWINGS.
- REINFORCEMENT BENDING DETAILS SHALL BE IN ACCORDANCE WITH THE "MANUAL OF STANDARD PRACTICE FOR REINFORCED CONCRETE STRUCTURES", ACI 318, LATEST EDITION.
- STAGGER SPLICES IN TOP AND BOTTOM SLABS.
- ALL CONSTRUCTION JOINTS SHALL BE BONDED.
- PLACE GEOTECHNICAL FABRIC WHERE SHOWN (TO BE INCLUDED IN THE WORK FOR FRENCH DRAIN, CA-18).
- PROVIDE 1" CHAMFER ON ALL EXPOSED EDGES.

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CONSULTANTS	REV. NO.	DATE	DESCRIPTION
	1	12-21-04	PER IDOT REVIEW

* REFER TO EQUIPMENT MANUFACTURER'S SHOP DRAWINGS
 DRAWING FILE: BOXCULV.DWG
 PLOTTED BY: DEK 16/DEC/04 10:21

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VILLAGE OF SHOREWOOD, ILLINOIS
U.S. ROUTE 52 IMPROVEMENTS

HAMMEL CREEK
BOX CULVERT
DETAILS

DESIGNED BY	SCALE
BAB	AS NOTED
DRAWN BY	PROJECT NO.
DEK	010665
CHECKED BY	SHEET NO.
MHY	
DATE	
10-05-04	

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