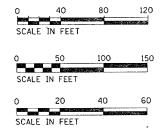
#### INDEX OF SHEETS

COVER SHEET
GENERAL NOTES, STANDARDS &
SUMMARY OF QUANTITIES
PROPOSED PLAN VIEW
STORM SEWER PROFILE VIEW
CATCH BASIN DETAILS
COLLAR DETAILS

**HIGHWAY STANDARDS** 

SEE PAGE 2



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES, REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES, IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

JULIE 1-800-892-0123

DISTRICT 3 NO. (815) 434-6131

PROJECT ENGINEER: DAVE BROVIAK UNIT CHIEF: SCOTT FERGUSON TOWNSHIP:

**CONTRACT NO. 66527** 

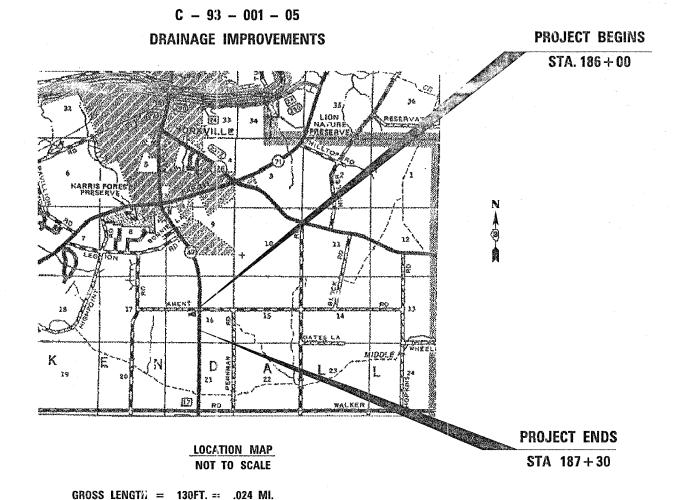
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
DI ANIC FOR DECORO

# PLANS FOR PROPOSED FEDERAL AID HIGHWAY

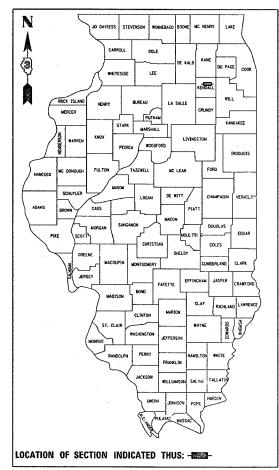
FAP 326 (IL ROUTE 47) SECTION 109 T-1

# KENDALL COUNTY

NET LENGTH = 130 FT. = .024MI.



F.A.P. RTE. SECTION COUNTY TOTAL SHEETS NO.
326 (IL47) 109 T-1 KENDALL 7 1
FINAL RGG 5 I BLIDGES PROJECT

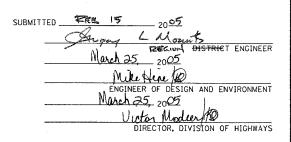


# FUNCTION CLASSIFICATION FUNCTION CLASSIFICATION

2004 ADT = 8700

P.V. = 77.6% S.U. = 12.1% M.U. = 10.3%

# STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS



PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

KENDALL COUNTY

SECTION: 109 T-1

ROUTE: FAP 326 (IL 47)

#### SECTION COUNTY TOTAL SHEET NO 326 109 T-1 KENDALL 7 2 TO STA.

CONTRACT NO. 66527

## **GENERAL NOTES**

EXCEPT AS NOTED ON THE PLANS, PAVEMENT GRADES SHOWN ARE AT THE TOP OF PAVEMENT SURFACES.

BEFORE ORDERING PIPE CULVERTS OR PIPE DRAINS, THE CONTRACTOR SHALL CONSULT THE ENGINEER FOR EXACT LENGTHS.

WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL MONUMENTS UNTIL AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING AN AUTHORIZED SURVEYOR REESTABLISH ANY SECTION OR SUBSECTION MONUMENTS DESTROYED BY HIS OPERATIONS.

SEEDING SHALL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION. LOCATIONS TO BE SEEDED WILL BE DETERMINED BY THE ENGINEER.

ONLY THOSE TREES DESIGNATED BY THE ENGINEER OR LISTED IN THE TREE REMOVAL SCHEDULE SHALL BE REMOVED. THE CONTRACTOR SHALL PROTECT ALL REMAINING TREES FROM DAMAGE DUE TO HIS

THE FINISHED EARTHWORK SHALL HAVE A VEGETATION SUSTAINING SOIL COVERING THE TOP FOUR INCHES IN AREAS TO BE SEEDED OR SODDED. THE VEGETATION SUSTAINING SOIL REQUIRED WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF FURNISHED EXCAVATION.

ALL ELEVATIONS REFERRING TO U.S.G.S. MEAN SEA LEVEL DATUM.

ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF FURNISHED EXCAVATION.

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER LISTED ON THE INDEX OF SHEETS OR THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

GRANULAR MATERIALS	2.05	TONS / CU YD
SUPPLEMENTAL WATERING	3	GAL / SQ YD / APPLICATION

ALL DAMAGE TO DEPARTMENT OWNED UNDERGROUND FACILITIES, CAUSED BY THE CONTRACTOR SHALL BE REPAIRED TO THE SATISFACTION OF THE DEPARTMENT AT THE CONTRACTOR'S EXPENSE. THIS SHALL INCLUDE ALL TEMPORARY REPAIRS REQUIRED TO KEEP THE FACILITY OPERATIONAL WHILE MATERIAL IS BEING OBTAINED TO MAKE PERMANENT REPAIRS. SPLICING OF ELECTRIC CABLE SHALL NOT BE ALLOWED. ELECTRIC CABLE SHALL BE REPLACED FROM POLE TO POLE OR CONTROLLER.

THE COST OF MAKING ANY SEWER CONNECTIONS TO AN EXISTING DRAINAGE STRUCTURE OR PIPE SHALL BE INCLUDED IN THE COST OF THE

MEMBERS OF JULIE KNOWN TO BE WITHIN THE LIMITS OF THE IMPROVEMENT ARE: Com Ed - Distribution City of Yorkville Yorkville Bristol Sanitary Dist Comcast Cable ComEd - Transmission Nicor Gas C4245 NON-MEMBERS OF JULIE KNOWN TO BE WITHIN THE LIMITS OF THE IMPROVEMENT ARE:

	SUMMARY OF QUANTITIE				
		CONSTRUCT	CONSTRUCTION CODE TYPE:		
			Y00 <b>7</b>		
CODE	ITEM		TOTAL		
NO.		UNIT	QUANTITY		
20400800	FURNISHED EXCAVATION	CU YD	4		
50800105	REINFORCEMENT BARS	POUND	40		
54002020	EXPANSION BOLTS 3/4 INCH	EACH	28		
54010403	PRECAST CONCRETE BOX CULVERT 4' X 3'	FOOT	3		
54248510	CONCRETE COLLAR	CU YD	0.4		
550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	FOOT	18		
55100500	STORM SEWER REMOVAL 12"	FOOT	10		
55100700	STORM SEWER REMOVAL 15"	FOOT	6		
60206805	CATCH BASINS, TYPE B, SPECIAL	EACH	2		
60224446	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2		
60402110	GRATES, TYPE 7	EACH	4		
67100100	MOBILIZATION	L SUM	1		
XXC03822	STORM SEWER REMOVAL, SPECIAL	FOOT	4		

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT THREE

Thomas R SanctourorB
DISTRICT STUDIES & PLANS ENGINEER

DATE:

February 9, 2005

EXAMINED BY: DISTRICT CONSTRUCTION ENGINEER

DISTRICT MATERIALS ENGINEER

DISTRICT OPERATIONS ENGINEER

ILLINOIS DEPARTMENT OF TRANSPORTATION

**GENERAL NOTES, STANDARDS,** & SUMMARY OF QUANTITIES

**STANDARDS** 

STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS 000001-04 AREAS OF REINFORCEMENT BARS MANHOLE, TYPE A, 1800 mm (72") DIAMETER

602406-01 PRECAST REINFORCED CONCRETE FLAT SLAB TOP 602601 CAST IRON STEPS

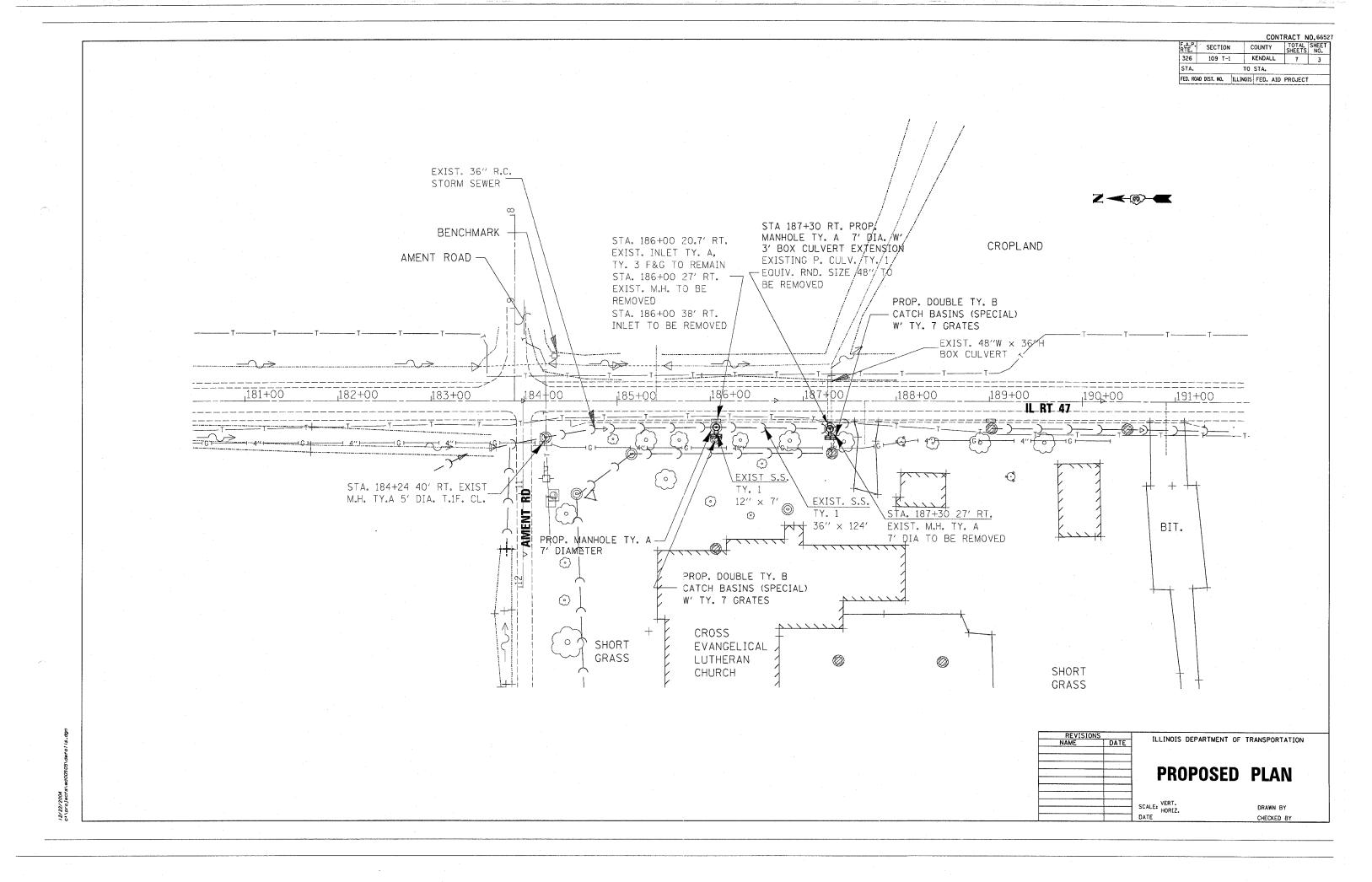
602701 604001-02 FRAME AND LIDS, TYPE 1 604031-01

GRATE, TYPE 7 OFF-ROAD OPERATIONS 2L, 2W, MORE THAN 4.5 m (15') AWAY 701006-02 OFF-ROAD OPERATIONS 2L, 2W, 4.5 m (15') TO 600 mm (24") FROM

PAVEMENT EDGE TRAFFIC CONTROL DEVICES

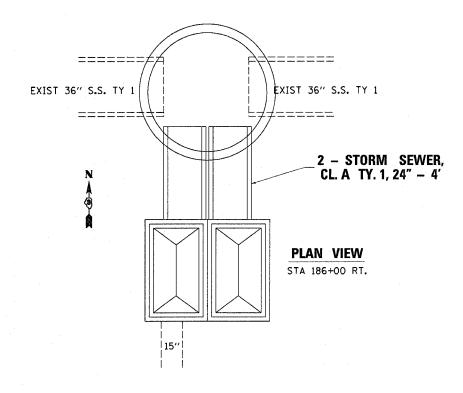
702001-05

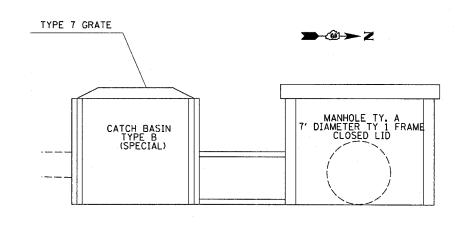
001001





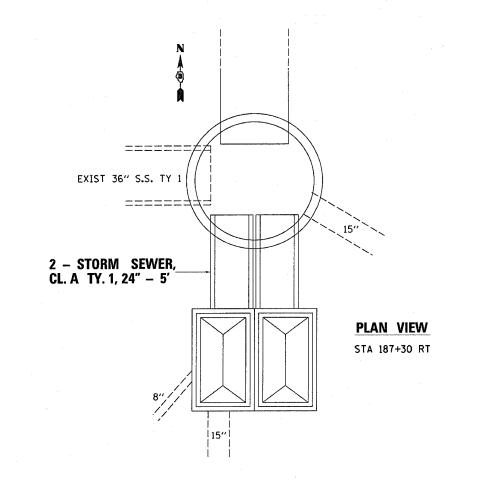
F.A.R. RTE.	SECTION		COUNTY	TOTAL SMEETS	SHEET NO
326	109 T-1		KENDALL	7	4
STA.		TO	STA.		****
FED. ROAD	01ST. NO.	ILLINOIS	FI	ED. AID PROJECT	

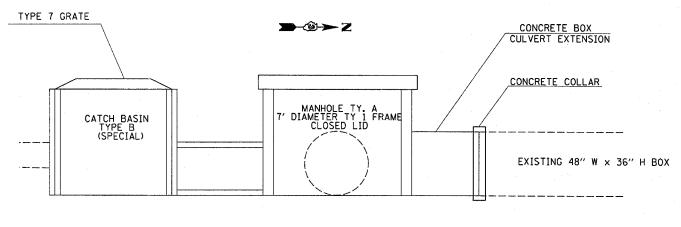




## PROFILE VIEW

STA 186+00 RT.





#### PROFILE VIEW

STA 187+30 RT.

ILLINOIS DEPARTMENT OF TRANSPORTATION

SEWER PROFILE DETAILS

SCALE: VERT. HORIZ.

DRAWN BY CHECKED BY

 CONTRACT
 NO.66527

 F.A.P. SECTION
 COUNTY
 TOTAL SHEETS NO. SHEETS NO

STA. TO STA.

FED. ROAD DIST. NO. | ILLINOIS | FED. AID | PROJECT

MATERIALS REQUIRED FOR ONE (1)
TYPE B CATCH BASIN (SPECIAL)

Bar	Qty.	Size	Shape	Length
h	5	(No. 4)		(3′-5′′)
h <sub>1</sub>	3	(No. 4)		(5′-9′′)
ų	10	(No. 4)	L	(7'-0'')
u <sub>1</sub>	10	(No. 4)		(4'-6'')
٧	16	(No. 4)		(3'-9'')
Conc	rete		(eu. yd.)	(1,9)
Reinf	forcemen	nt bars	(lbs.)	(140)

All bars shall be at (12) centers unless otherwise shown. Reinforcement bar clearance shall be (1½).

# **GENERAL NOTES**

See Standard 602701 for details of steps.

All dimensions are in (inches) unless otherwise shown.

6'-0"
6 5'-0"
6 5'-0"
8 Type 7 grate
8 Inlet
9 Outlet
1 Outlet
7 /2 (typ.)

SECTION A-A

## CATCH BASIN TYPE B (SPECIAL)

SECTION B-B

6'-0"

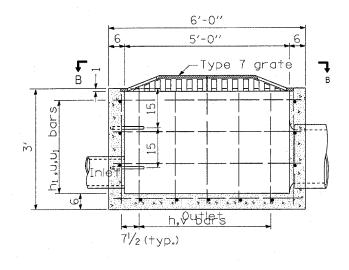
5′-0′′

h,v bars

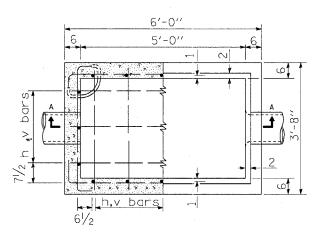
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 $\sim$ 

STATION 187+30 RT



SECTION A-A



SECTION B-B

CATCH BASIN TYPE B (SPECIAL)

STATION 186+00 RT

MATERIALS REQUIRED FOR ONE (1)

TYPE B CATCH BASIN (SPECIAL)

Bar	Q+y.	Size	Shape	Length
h	5	(No. 4)		(3′-5")
h <sub>1</sub>	3	(No. 4)		(5′~9′′)
u	8	(No. 4)		(7′-0′′)
u <sub>1</sub>	8	(No. 4)		(4'-6'')
, , <b>v</b>	16	(No. 4)		(2'-9'')
Conc	rete		(cu. yd.)	(1.4)
Reinf	forcemen	t bars	(lbs.)	(114)

All bars shall be at (12) centers unless otherwise shown. Reinforcement bar clearance shall be (1 $\frac{1}{2}$ ).

# **GENERAL NOTES**

See Standard 602701 for details of steps.

All dimensions are in (inches) unless otherwise shown.

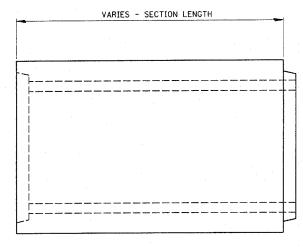
ILLINOIS DEPARTMENT OF TRANSPORTATION

CATCH BASIN DETAILS

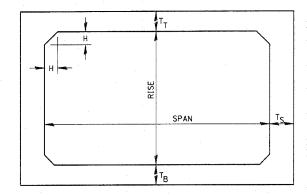
SCALE: VERT. HORIZ.

DRAWN BY CHECKED BY

| CONTRACT NO. 46537 |
F.A.P.	SECTION	COUNTY	TOTAL	SHEET
326	109 T-1	KENDALL	7	6
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID	PROJECT	



#### **ELEVATION**



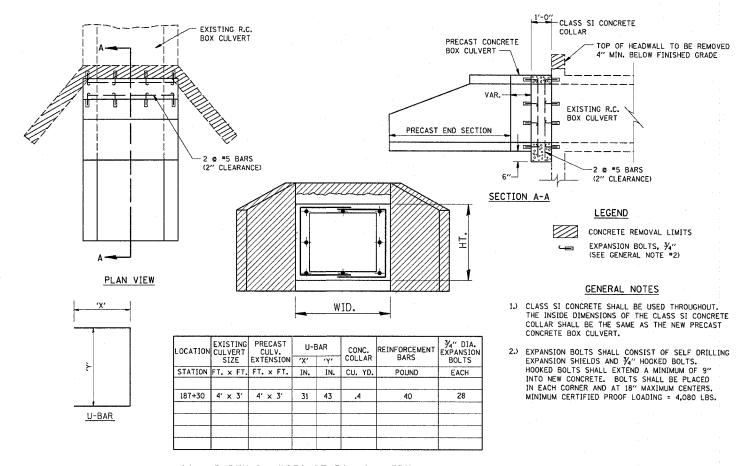
NOTE: THE HAUNCH DIMENSION H, IS EQUAL TO THE WALL THICKNESS  $\mathsf{T}_\mathsf{S}$ .

#### TYPICAL BOX SECTION

SPAN,		T <sub>T</sub> , INCHES		TB, INCHES		T <sub>S</sub> , INCHES		
	FEET	м 259	м 273	м 259	м 273	м 259	M 273	
	3	4	7	4	6	4	4	
Γ	4	5	71/2	5	6	5	5	
_	5	6	8	6	7	6	6	
	6	7	8	7	7	7	7	
	7	8	8	8	8	8	8	
	8	8	8	8	8	8	8	
	9	9	9	9	9	9	9	
	10	10	10	10	10	10	10	
	11	11	11	11	11	11	11	
	12	12	12	12	12	12	12	

GENERAL NOTES: MINIMUM COVER FOR BOX CULVERTS SHALL BE 6".

#### TYPICAL THICKNESSES



COLLAR DETAIL (PRECAST BOX CULVERT EXTENSION OF BOX CULVERT)

	REVISIONS		ILLINOIS DEPA	RANSPORTATION	
	NAME	DATE	ובנוווטוס טבו א	WINEIN OF I	KANSI OKTATION
- 1					
- 1			PRECAST C	ONCRETE	<b>BOX SECTION</b>
ŀ					
- 1			AND	COLLAR	DETAIL
- 1					
			SCALE: VERT.		DRAWN BY
			DATE		CHECKED BY

12/22/2004

