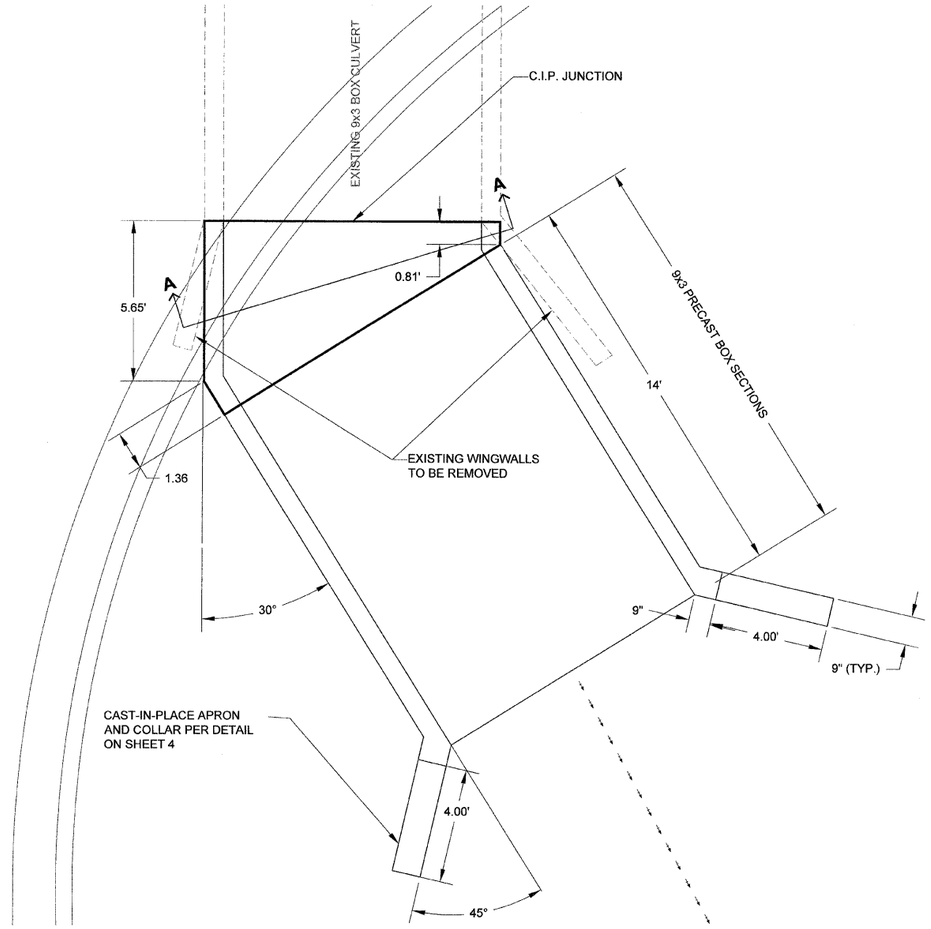
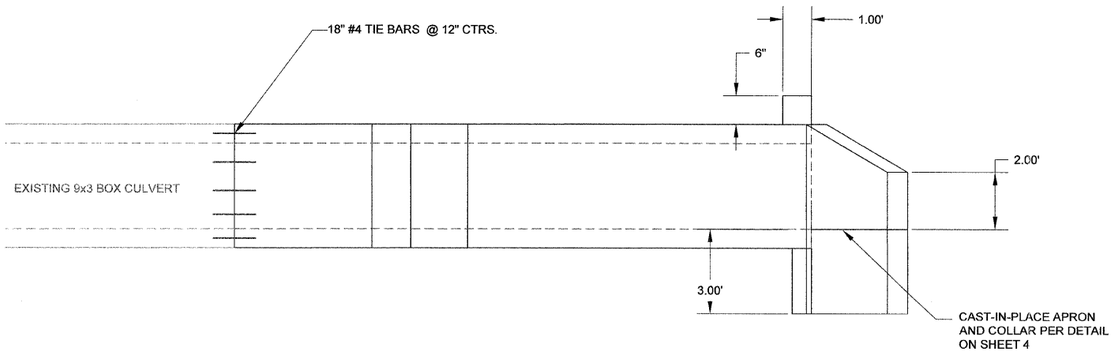
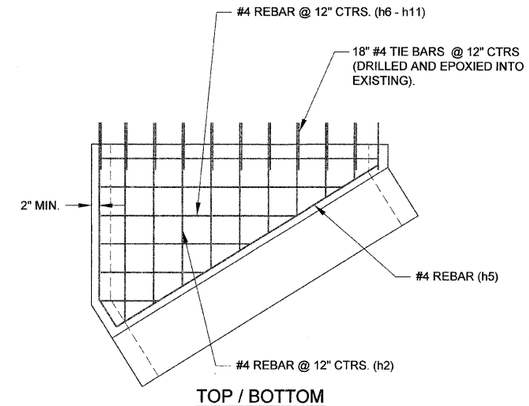


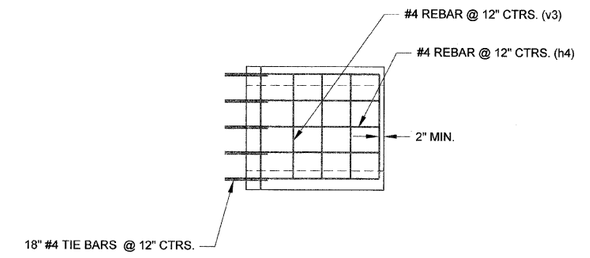
PLAN VIEW



ELEVATION (LOOKING N.E.)

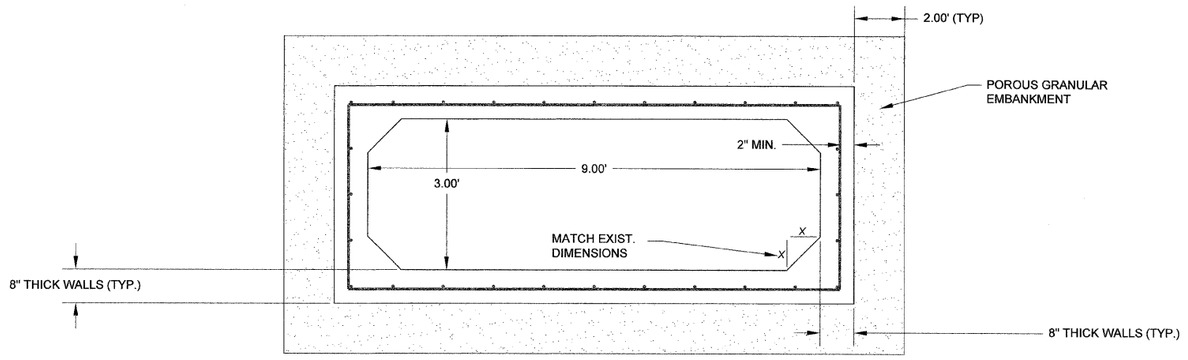


TOP / BOTTOM



SIDES

CAST IN PLACE JUNCTION REINFORCEMENT



SECTION A-A

BILL OF MATERIAL				
BAR	NO.	SIZE	LENGTH	SHAPE
TIE BARS	32	#4	18"	
h (CIP APRON)	2	#4	17'-0"	
d (CIP APRON)	30	#4	5'-4"	
b (CIP APRON)	10	#4	16'-0"	
v1 (CIP APRON)	24	#4	3'-0"	
s (CIP APRON)	4	#4	25'-0"	
h1 (CIP APRON)	6	#4	4'-0"	
v2 (CIP APRON)	6	#4	2'-10"	
h2	20	#4	6'-0"	
h4	10	#4	6'-0"	
h5	2	#4	10'-9"	
v3	10	#4	3' - 2"	

BILL OF MATERIAL (CONT.)				
BAR	NO.	SIZE	LENGTH	SHAPE
h6	2	#4	9'-8"	
h7	2	#4	8'-5"	
h8	2	#4	6'-10"	
h9	2	#4	5'-3"	
h10	2	#4	3' - 8"	
h11	2	#4	2' - 0"	
PRECAST CONCRETE BOX CULVERT9' X 3'			FOOT	20.0
CONCRETE STRUCTURE (CIP APRON)			CU. YD.	2.5
CONCRETE STRUCTURE (CIP JUNCTION)			CU. YD.	2.5
REINFORCEMENT BARS			POUND	614.7

NOTES

1. PRECAST CONCRETE BOX CULVERT SECTIONS SHALL CONFORM TO THE REQUIREMENTS OF ARTICLE 540.06 OF THE STANDARD SPECIFICATIONS AND THE REQUIREMENTS OF ASTM C 1577. PRECAST BOX CULVERT SECTIONS SHALL BE DESIGNED USING LOAD AND RESISTANCEFACTOR DESIGN.
2. THE MINIMUM CONCRETE STRENGTH SHALL BE 5,000 PSI.
3. REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M 31, M 42, OR M 53 GRADE 60.
4. LIFTING HOLES SHALL BE FILLED WITH CONCRETE PLUGS AND MASTIC AFTER BOX SECTIONS ARE IN PLACE.

FINAL

CONTRACT NO. 87388

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6160	10-00090-00-WR	LASALLE	61	27
STA. 0+11.71		TO STA. 52+77.14		
FED. ROAD DIST. NO. 3	ILLINOIS	FED. AID PROJECT		

SCALE: N.T.S.	DESIGNED - JEP	REVISED - 11/29/2011	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN - JCL	REVISED - ___	
	CHECKED - JEP	REVISED - ___	
	DATE - 12/01/2008	REVISED --- ___	

Box Culvert Plan (Sta: 52+42)