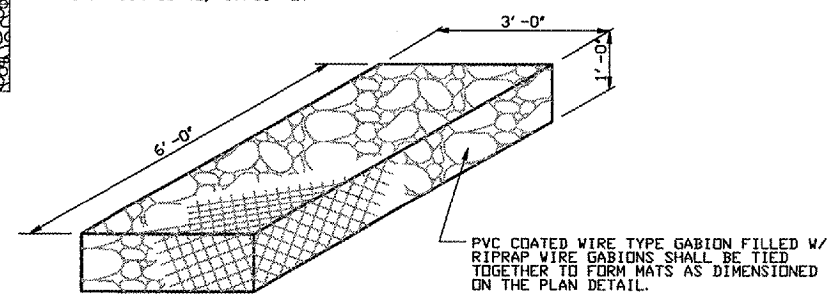
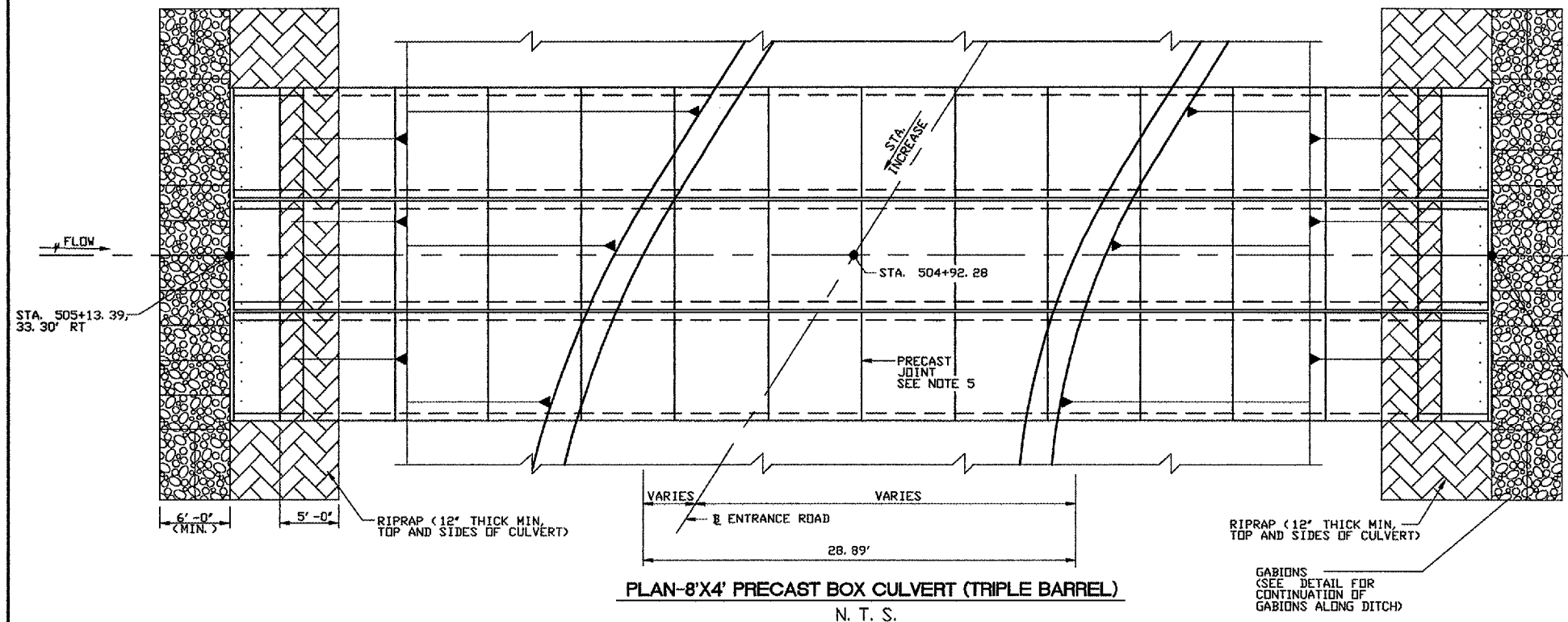
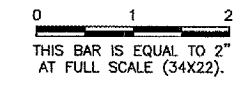


NOTES

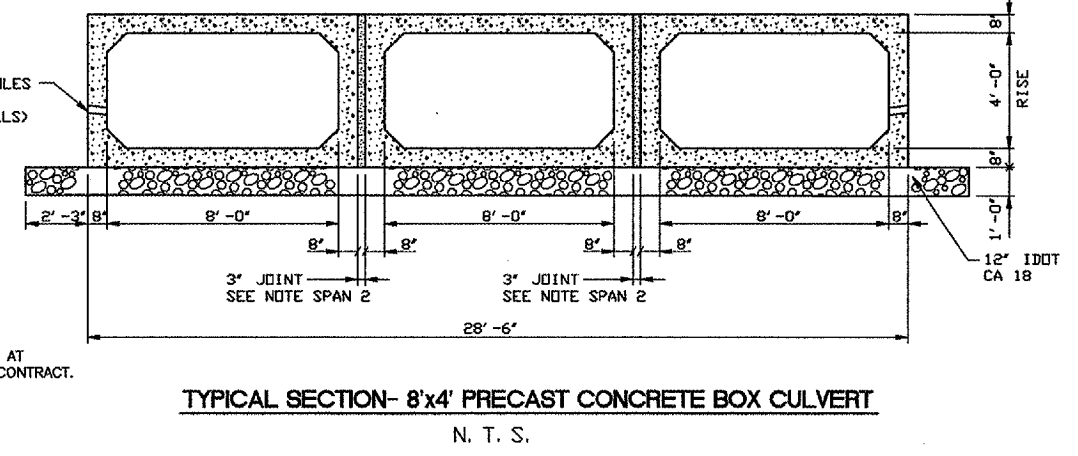
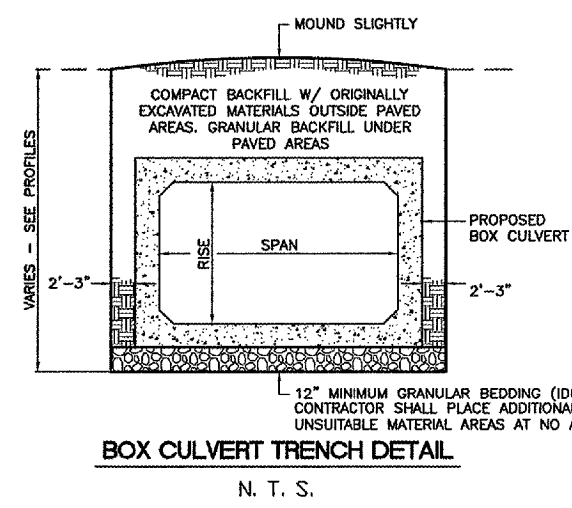
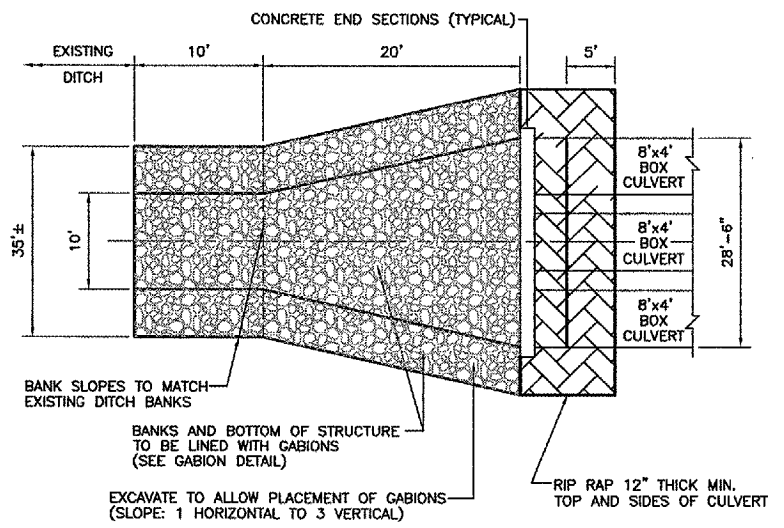
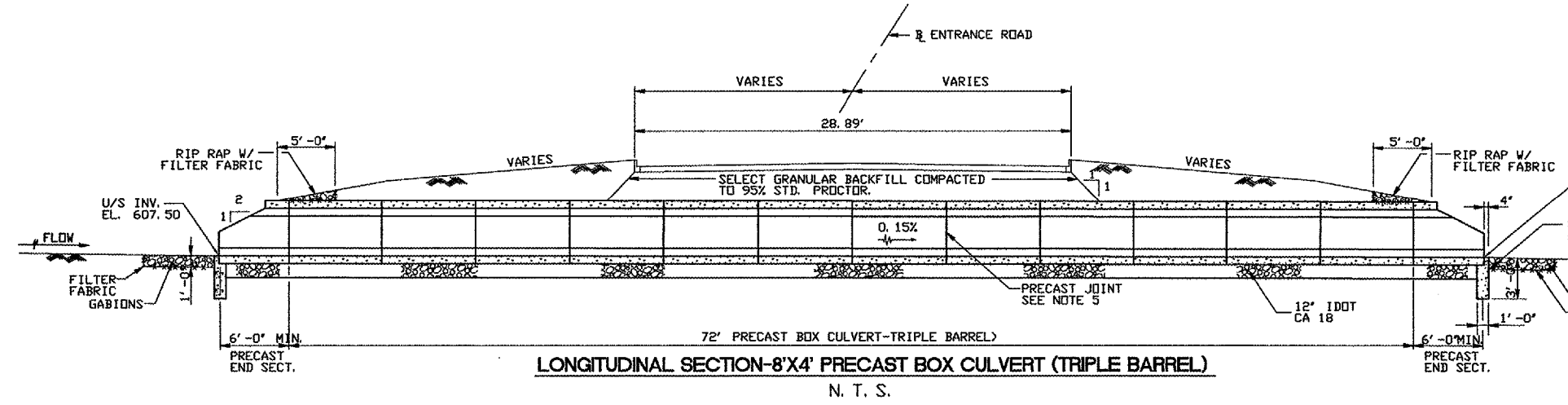
1. ALL PRECAST BOX CULVERTS SHALL BE DESIGNED IN ACCORDANCE WITH AASHTO M273, HS-20 LOADING.
2. PRIOR TO BACKFILLING, FILL SOLID THE 3" JOINT BETWEEN BARRELS WITH CONCRETE (610) USING A MAXIMUM SIZE AGGREGATE OF 3/8" INCH.
3. GROUT ALL LIFTING HOLES BEFORE BACKFILLING, ALLOW GROUT TO ACHIEVE MINIMUM STRENGTH BEFORE BACKFILLING.
4. DURING BACKFILL PLACEMENT, DO NOT PERMIT A DIFFERENCE IN FILL ELEVATION ON THE WALLS OF THE CULVERT IN EXCESS OF 2 FEET. DURING COMPACTION, DO NOT ALLOW WHEELS OF ROLLERS TO COME CLOSER THAN ONE FOOT TO THE FACE OF THE STRUCTURE.
5. JOINT MATERIAL BETWEEN PRECAST SECTIONS SHALL CONFORM TO SECTION 1056 OR SECTION 1055 OF IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED JANUARY 1, 2002.
6. ALL BOX CULVERT END SECTIONS SHALL HAVE A PRECAST OR CAST IN PLACE TOWEALL.
7. ANY ACCUMULATED DEBRIS WITHIN THE PROJECT AS A RESULT OF THE IMPROVEMENT SHALL BE REMOVED AND DISPOSED OF SATISFACTORILY BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER. THE COST OF THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF DRAINAGE AT ALL TIMES DURING THE CONSTRUCTION OF THE CULVERT. THE METHODS USED BY THE CONTRACTOR SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER. THE COST FOR THIS REQUIREMENT WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

REVISIONS

NUMBER	BY	DATE



SEE NRCS STANDARD DRAWING NO. IL 646 AND IL 645
 STRUCTURAL STREAMBANK STABILIZATION - GABIONS FOR
 INSTALLATION DETAILS AND ADDITIONAL NOTES.



LANSING MUNICIPAL AIRPORT
LANSING, ILLINOIS
NORTH QUADRANT SITEWORK - PHASE 1
AND TAXIWAY G2 EXTENSION
PRECAST BOX CULVERT DETAILS

CMT
 CRAWFORD, MURPHY & TILLY, INC.
 CONSULTING ENGINEERS
 License No. 184-000613

DESIGN BY:	DKP
DRAWN BY:	JRO
CHECKED BY:	ARM
APPROVED BY:	
DATE:	03/04/05
JOB No:	03297-02
IL PROJECT:	IGQ-3329
A.I.P. PROJECT:	3-17-0121-B21
SHEET	21 OF 50 SHEETS