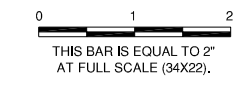


FILE: 1408507-BMI-4443-CU101 Adend.dwg
 UPDATE BY: Chrls Groth
 PLOT DATE: 7/20/2015 11:09 AM

BL070

REVISIONS		
NUMBER	BY	DATE
	CBG	7/20/15

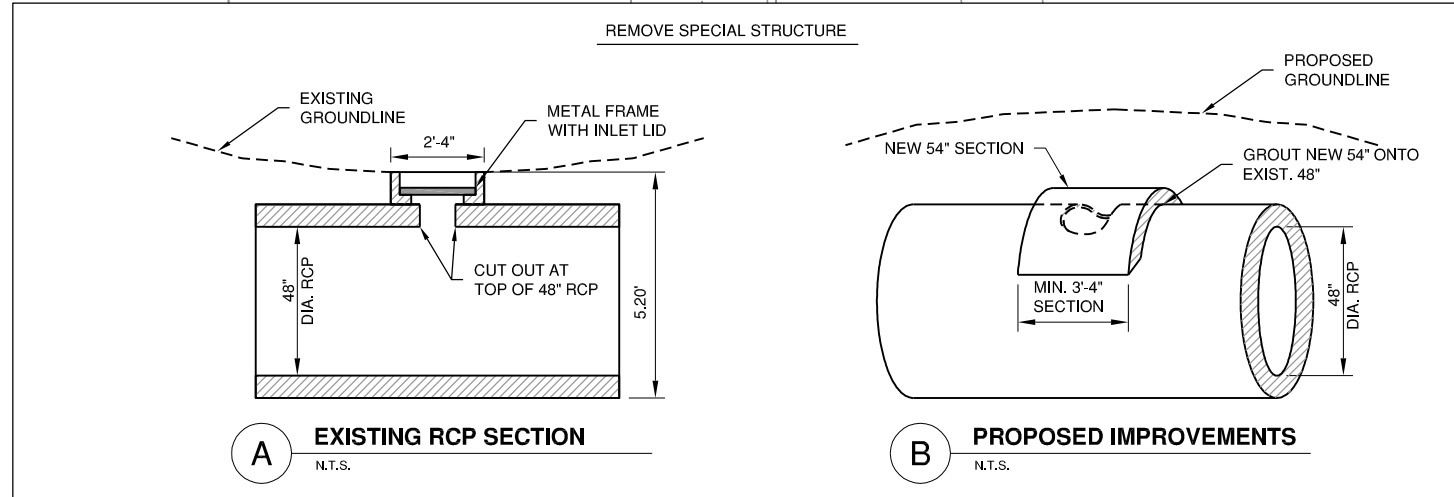
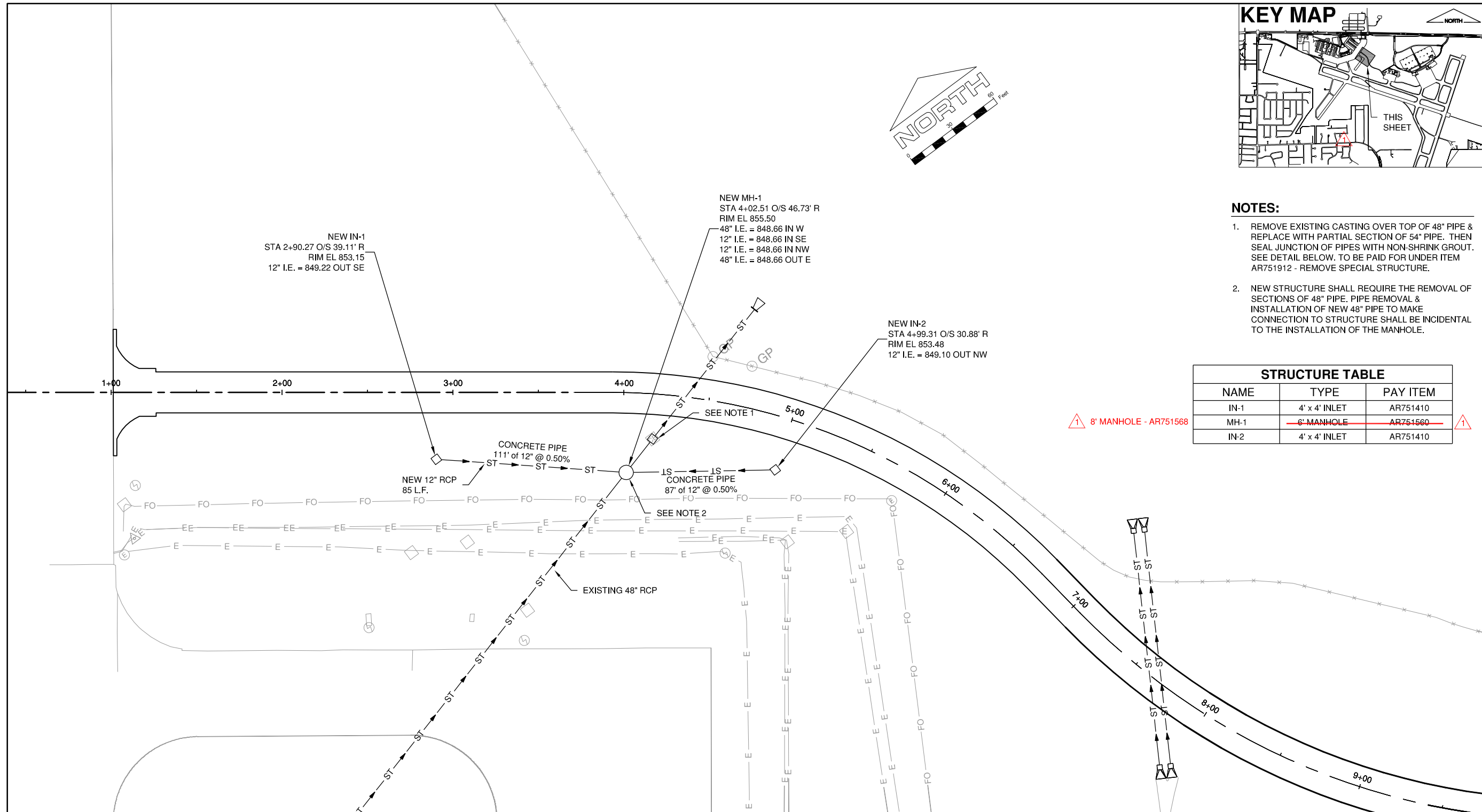


NOTES:


- REMOVE EXISTING CASTING OVER TOP OF 48" PIPE & REPLACE WITH PARTIAL SECTION OF 54" PIPE. THEN SEAL JUNCTION OF PIPES WITH NON-SHRINK GROUT. SEE DETAIL BELOW. TO BE PAID FOR UNDER ITEM AR751912 - REMOVE SPECIAL STRUCTURE.
- NEW STRUCTURE SHALL REQUIRE THE REMOVAL OF SECTIONS OF 48" PIPE. PIPE REMOVAL & INSTALLATION OF NEW 48" PIPE TO MAKE CONNECTION TO STRUCTURE SHALL BE INCIDENTAL TO THE INSTALLATION OF THE MANHOLE.

STRUCTURE TABLE		
NAME	TYPE	PAY ITEM
IN-1	4' x 4' INLET	AR751410
MH-1	6' MANHOLE	AR751560
IN-2	4' x 4' INLET	AR751410

8' MANHOLE - AR751568



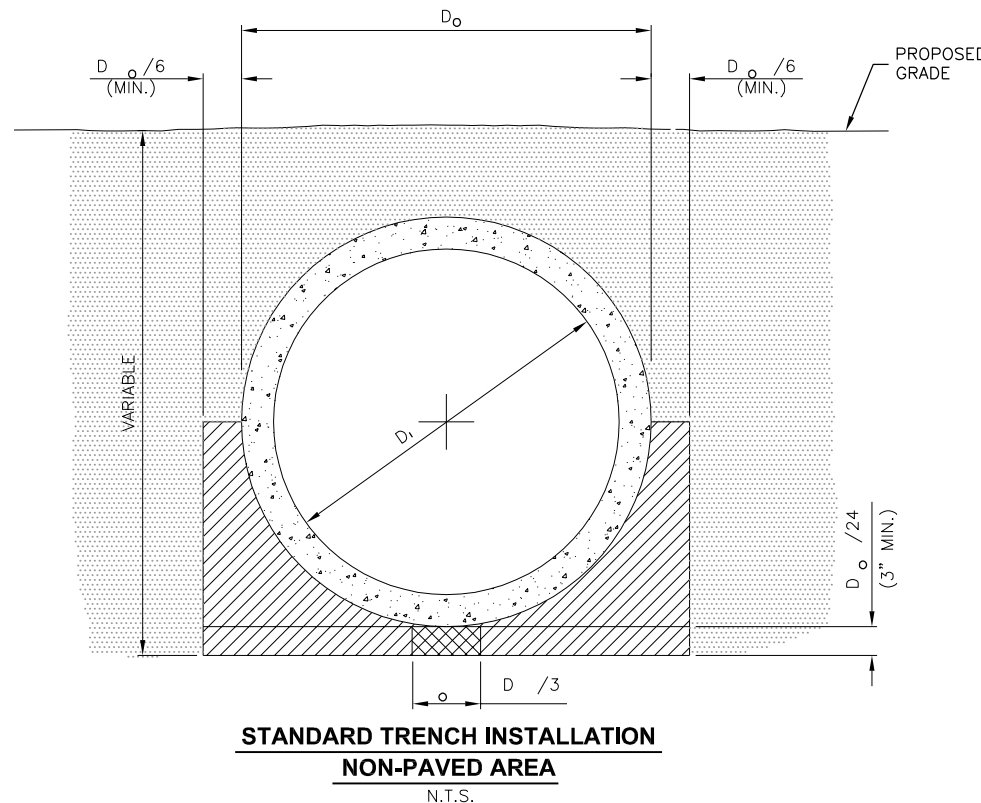
BLOOMINGTON-NORMAL AIRPORT AUTHORITY
CENTRAL ILLINOIS REGIONAL AIRPORT
BLOOMINGTON, ILLINOIS
RECONSTRUCT AIRPORT SERVICE ROAD
DRAINAGE PLAN SHEET 1



© Copyright CMT, Inc. 2014
 License No. 164-002613

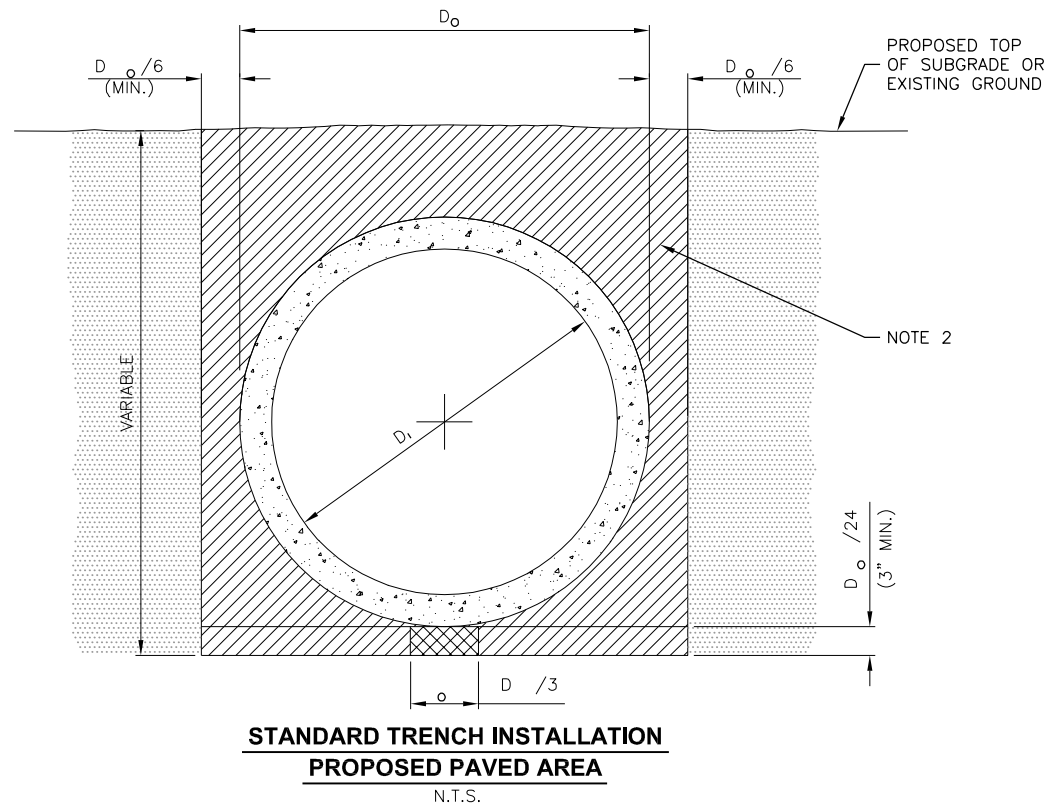
DESIGN BY:	CBG
DRAWN BY:	DPA
CHECKED BY:	RLV
APPROVED BY:	RLV
DATE:	JUNE 19, 2015
JOB No:	14085-07-00
IL PROJ. NO. BMI-4443 AIP PROJ. NO. 3-17-0006-XX	
SHEET	21A OF 38 SHEETS

K:\Bloomington\Ap\1408507\Draw\Sheets



**STANDARD TRENCH INSTALLATION
 NON-PAVED AREA**

N.T.S.



**STANDARD TRENCH INSTALLATION
 PROPOSED PAVED AREA**

N.T.S.

LEGEND

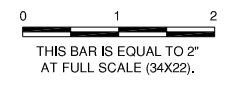
- DRAINAGE CONDUIT MATERIAL—CONCRETE
- MIDDLE BEDDING LOOSELY PLACED UNCOMPACTED BEDDING
- HAUNCH AND OUTER BEDDING COMPACTION— 95% STANDARD PROCTOR
- LOWER SIDE AND OVERFILL COMPACTION— SAME AS EMBANKMENT REQUIREMENTS

D_o PIPE OUTSIDE DIAMETER
 D_1 PIPE INSIDE DIAMETER

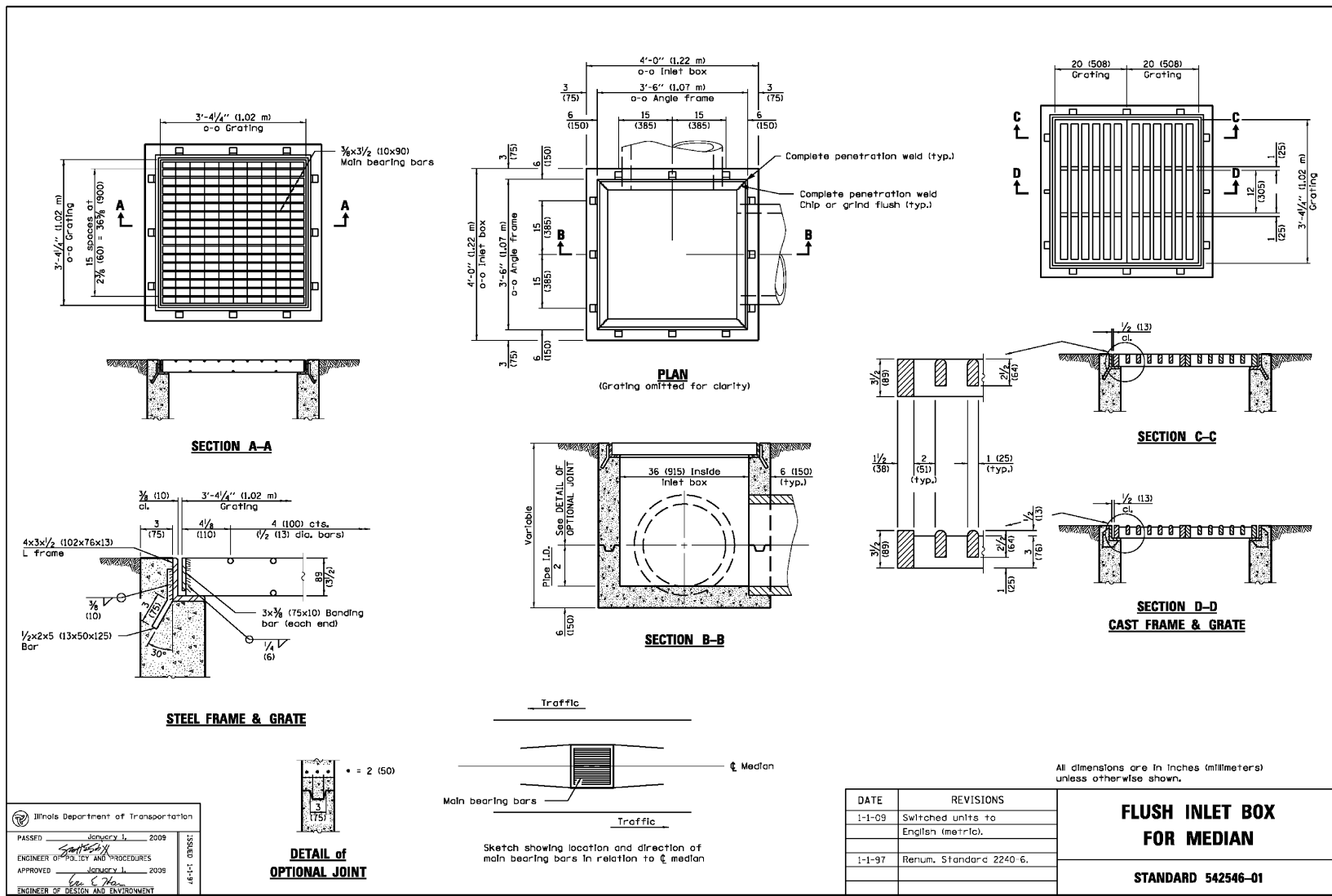
- NOTES**
- BEDDING SHOWN IS IN ACCORDANCE WITH "STANDARD EMBANKMENT INSTALLATIONS", STANDARD INSTALLATION & BEDDING FACTORS FOR THE INDIRECT DESIGN METHOD (DESIGN DATA 40), AMERICAN CONCRETE PIPE ASSOCIATION.
 - BACKFILL TO EXTEND 3' BEYOND EDGES OF PROPOSED PAVEMENT.

BL070

REVISIONS		
NUMBER	BY	DATE



**BLOOMINGTON-NORMAL AIRPORT AUTHORITY
 CENTRAL ILLINOIS REGIONAL AIRPORT
 BLOOMINGTON, ILLINOIS**
**RECONSTRUCT AIRPORT SERVICE ROAD
 DRAINAGE DETAILS 1**



DATE	REVISIONS
1-1-09	Switched units to English (metric).
1-1-97	Renum. Standard 2240 6.

**FLUSH INLET BOX
 FOR MEDIAN**

STANDARD 542546-01

INLET DETAIL AR751410

Illinois Department of Transportation

PASSED January 1, 2009

ENGINEER OF DESIGN AND PROCEDURES

APPROVED January 1, 2009

ENGINEER OF DESIGN AND ENVIRONMENT

K:\Bloomington\Ap\1408507\Draws\Sheets

CMT

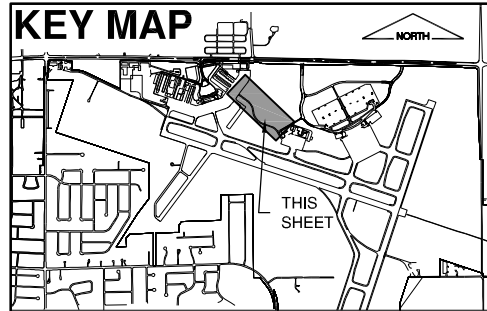
© Copyright CMT, Inc. 2014
 License No. 164-00813

DESIGN BY: CBG
 DRAWN BY: DPA
 CHECKED BY: RLV
 APPROVED BY: RLV

DATE: JUNE 19, 2015
 JOB No: 14085-07-00

IL PROJ. NO. BMI-4443
 AIP PROJ. NO. 3-17-0006-XX

SHEET 23 OF 38 SHEETS



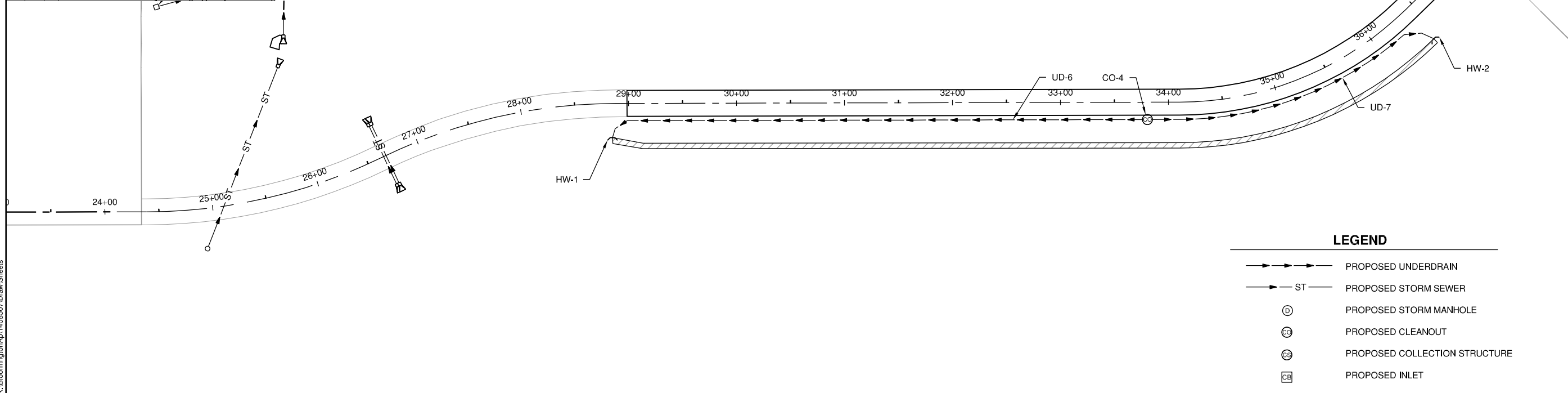
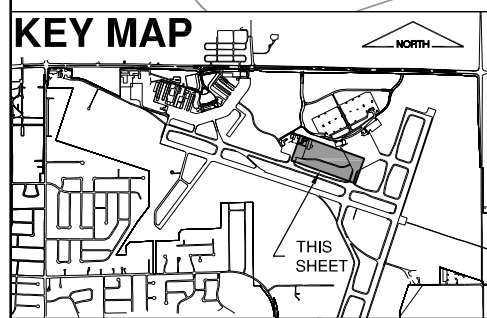
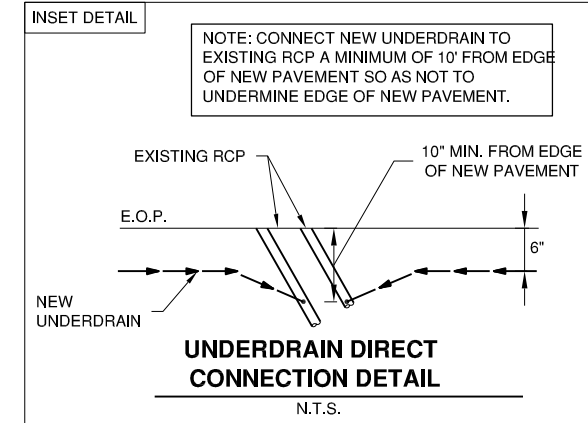
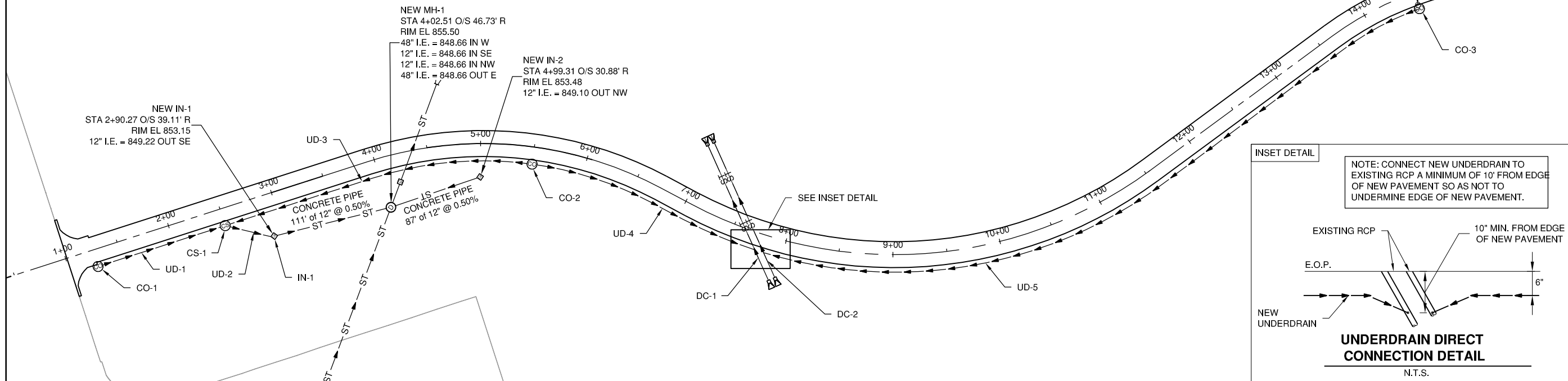
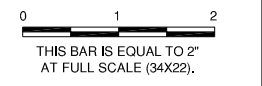
UNDERDRAIN PIPE SCHEDULE							
LINE	STRUCTURE UP	STRUCTURE DOWN	INVERT UP	INVERT DOWN	LENGTH (FTL)	SLOPE	TYPE
UD-1	CO-1	CS-1	853.93	853.32	124.00	0.49%	4" PERFORATED (705)
UD-2	CS-1	IN-1	853.32	849.22	46	8.91%	4" NON-PERFORATED (705)
UD-3	CO-2	CS-1	854.29	853.32	300	0.32%	4" PERFORATED (705)
UD-4	CO-2	DC-1	854.29	849.10	223	2.33%	4" PERFORATED (705)
UD-5	CO-3	DC-2	856.16	849.10	669	1.06%	4" PERFORATED (705)
UD-6	CO-4	HW-1	859.04	855.86	481	0.66%	4" PERFORATED (705)
UD-7	CO-4	HW-2	859.04	858.47	262	0.22%	4" PERFORATED (705)

UNDERDRAIN STRUCTURE SCHEDULE							
STRUCTURE	ALIGNMENT	STATION	OFFSET	RIM	INV	TYPE	PAY ITEM
CO-1	AIRPORT SERVICE ROAD	1+26.4	12.5 RT	856.43	853.93	1	AR705640
CO-2	AIRPORT SERVICE ROAD	5+50.0	12.5 RT	856.79	854.29	2	AR705640
CO-3	AIRPORT SERVICE ROAD	14+50.0	12.5 RT	858.66	856.16	1	AR705640
CO-4	AIRPORT SERVICE ROAD	33+80.5	12.5 RT	861.54	859.04	2	AR705640
CS-1	AIRPORT SERVICE ROAD	2+50.0	12.5 RT	855.82	853.32	3	AR705635
DC-1	AIRPORT SERVICE ROAD	7+80.0	22 RT		849.10	CONNECTION	AR705645
DC-2	AIRPORT SERVICE ROAD	7+88.0	22 RT		849.10	CONNECTION	AR705645
HW-1	AIRPORT SERVICE ROAD	29+00.0	36.5 RT	855.86	855.86	HEADWALL	AR705610
HW-2	AIRPORT SERVICE ROAD	36+42.2	36.5 RT	858.47	858.47	HEADWALL	AR705610

FILE: 1408507-BMI-4443-CU102 Amend.dwg
 UPDATE BY: Chris Groth
 PLOT DATE: 7/20/2015 11:21 AM

BL070

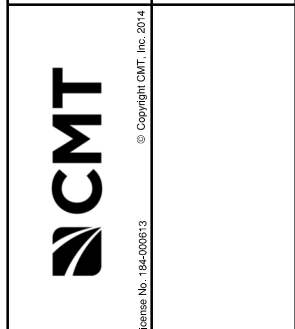
REVISIONS		
NUMBER	BY	DATE



LEGEND

- → → → PROPOSED UNDERDRAIN
- — ST — PROPOSED STORM SEWER
- ⊙ PROPOSED STORM MANHOLE
- ⊙ PROPOSED CLEANOUT
- ⊙ PROPOSED COLLECTION STRUCTURE
- ⊙ PROPOSED INLET

BLOOMINGTON-NORMAL AIRPORT AUTHORITY
CENTRAL ILLINOIS REGIONAL AIRPORT
BLOOMINGTON, ILLINOIS
RECONSTRUCT AIRPORT SERVICE ROAD
UNDERDRAIN PLAN



DESIGN BY:	CBG
DRAWN BY:	DPA
CHECKED BY:	RLV
APPROVED BY:	RLV
DATE:	JUNE 19, 2015
JOB No:	14085-07-00
IL PROJ. NO. BMI-4443 AIP PROJ. NO. 3-17-0006-XX	
SHEET	25A OF 38 SHEETS

K:\Bloomington\Ap\1408507\Draw\Sheets