

MAINTENANCE OF TRAFFIC LEGEND

	WORK AREA		TRAFFIC DIRECTION		ARROW BOARD	①	PVT MK - LINE 4" WHITE	⑦	PVT MK - LINE 24" WHITE
	TEMPORARY PAVEMENT (TO BE CONSTRUCTED IN CURRENT STAGE)		BARRICADE, TYPE III, W/ TYPE A BI-DIRECTIONAL FLASHING LIGHT		DOUBLE VERTICAL PANEL	②	PVT MK - LINE 4" YELLOW	⑧	PVT MK - LINE 8" WHITE
	TYPE II BARRICADES OR DRUMS W/ TYPE C STEADY BURN LIGHT		PROPOSED SIGN		TEMPORARY CONCRETE BARRIER	③	PVT MK - DBL 4" YELLOW	T	TEMP PVT MK (SEE GENERAL NOTES SHT G-03)
	TYPE B MONO-DIRECTIONAL FLASHING LIGHT		RAMP CLOSED		WET REF TEM TAPE T3 (SEE GENERAL NOTES SHT G-03)	④	PVT MK - LINE 6" WHITE	W	PERM PVT MK (SEE PVT MK PLANS)
						⑤	PVT MK - LINE 12"	P	
						⑥	PVT MK - LTRS & SYMB		

NOTES

1. MAINTAIN TRAFFIC ON EXISTING PAVEMENT DURING PRE-STAGE WORK.
2. IMPLEMENT DAILY LANE AND/OR SHOULDER CLOSURES AS REQUIRED IN ACCORDANCE WITH APPLICABLE HIGHWAY STANDARDS DURING PRE-STAGE WORK.
3. WORK REQUIRING A TEMPORARY LANE AND/OR SHOULDER CLOSURE SHALL BE RESTRICTED TO ONE SIDE OF THE EXISTING PAVEMENT AT A TIME FOR EACH DIRECTION OF TRAFFIC.
4. SIDE ROAD, INTERSECTION, AND DRIVEWAY TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH DISTRICT DETAIL TC-10.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
PRE-STAGE**

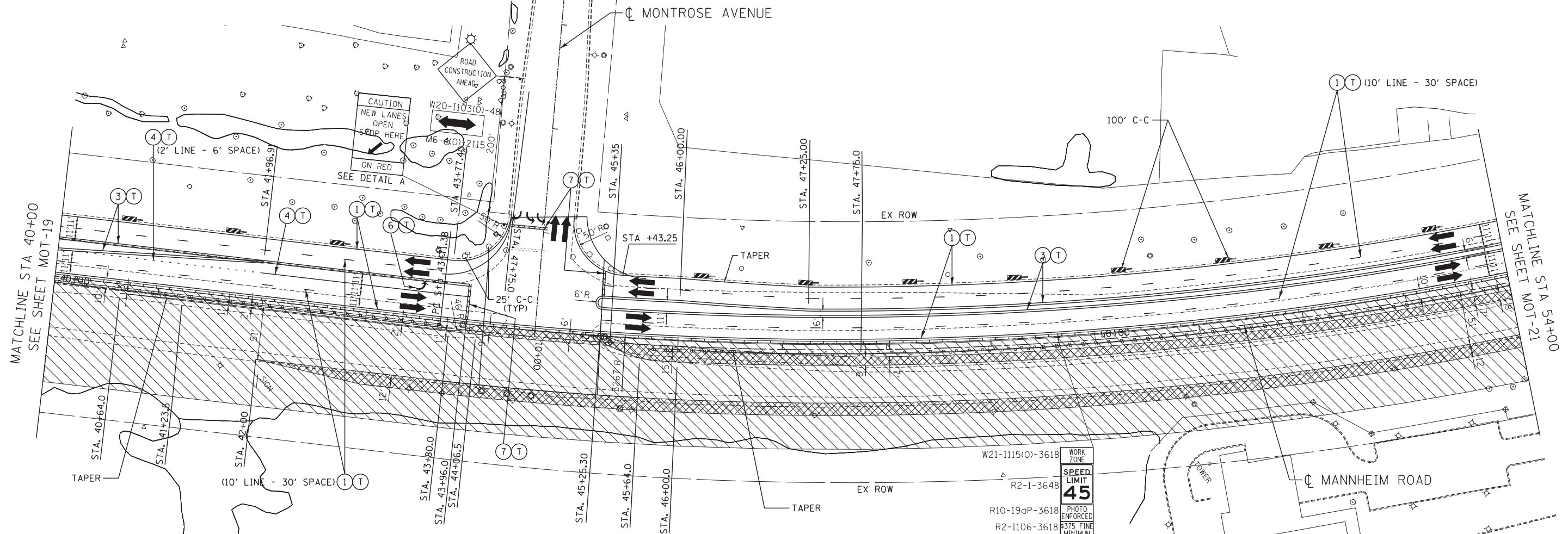
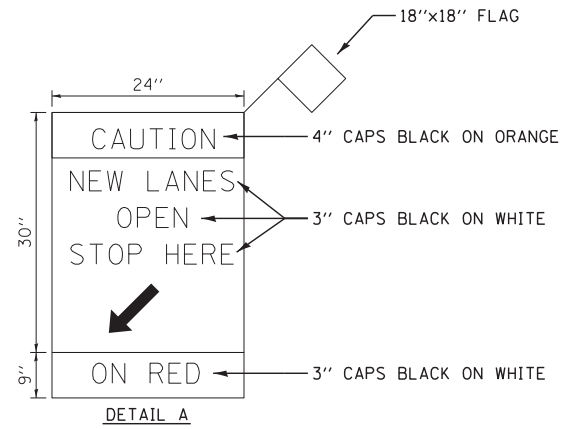
SCALE: 1"=50' SHEET NO. OF SHEETS STA. 68+00 TO STA. 82+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0105 WRS&HB	COOK	605	101
CONTRACT NO. 60G37				
ILLINOIS FED. AID PROJECT				

MOT-13



TENG & ASSOCIATES, INC.
ENGINEERS/ARCHITECTS/PLANNERS
CHICAGO, ILLINOIS



MAINTENANCE OF TRAFFIC LEGEND

	WORK AREA		TRAFFIC DIRECTION		ARROW BOARD		PVT MK - LINE 4" WHITE		PVT MK - LINE 24" WHITE
	TEMPORARY PAVEMENT (TO BE CONSTRUCTED IN CURRENT STAGE)		BARRICADE, TYPE III, W/ TYPE A BI-DIRECTIONAL FLASHING LIGHT		DOUBLE VERTICAL PANEL		PVT MK - LINE 4" YELLOW		PVT MK - LINE 8" WHITE
	TYPE II BARRICADES OR DRUMS W/ TYPE C STEADY BURN LIGHT		PROPOSED SIGN		TEMPORARY CONCRETE BARRIER		PVT MK - DBL 4" YELLOW		TEMP PVT MK (SEE GENERAL NOTES SHT G-03)
	TYPE B MONO-DIRECTIONAL FLASHING LIGHT		RAMP CLOSED		WET REF TEM TAPE T3 (SEE GENERAL NOTES SHT G-03)		PVT MK - LINE 6" WHITE		PERM PVT MK (SEE PVT MK PLANS)
			PVT MK - LINE 12"				PVT MK - LTRS & SYMB		

NOTES:

- SIDEROAD, INTERSECTION, AND DRIVEWAY TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH DISTRICT DETAIL TC-10.

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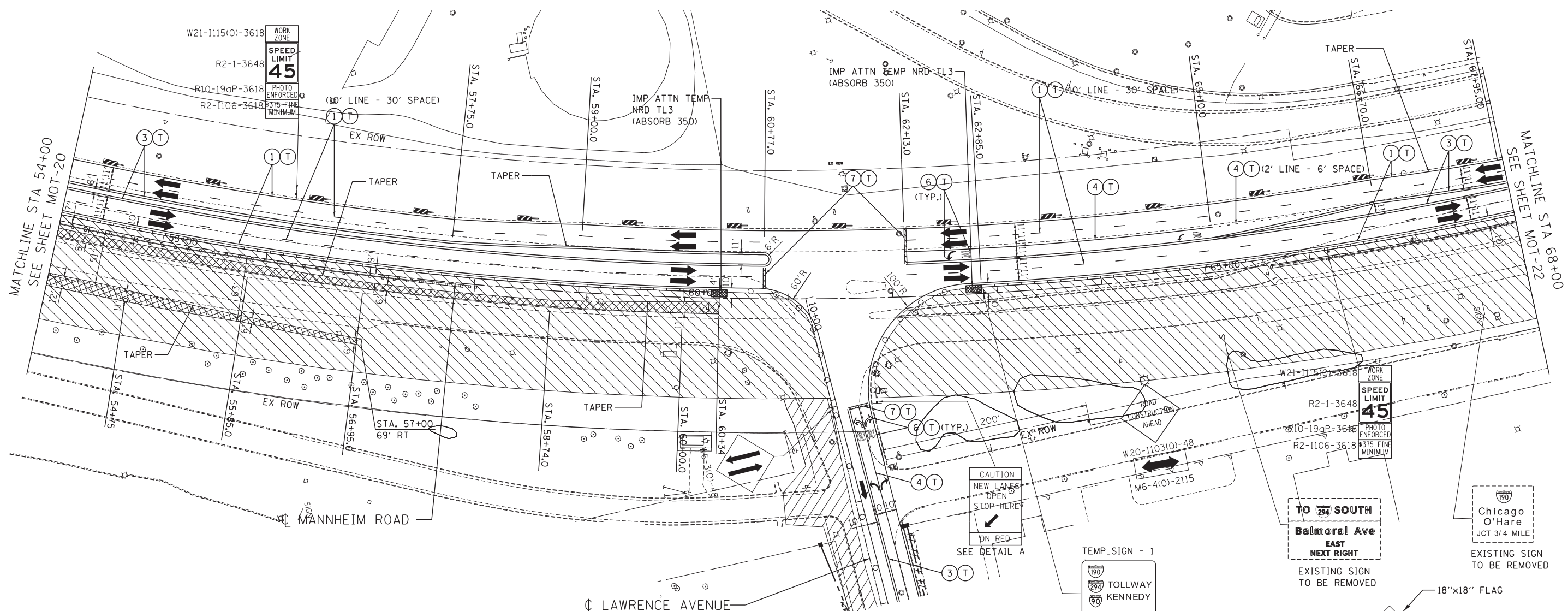
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC STAGE 1			
SCALE: 1"=50'	SHEET NO. OF SHEETS	STA. 40+00 TO STA. 54+00	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0105 WRS&HB	COOK	605	108
CONTRACT NO. 60G37				
ILLINOIS FED. AID PROJECT				

MOT-20

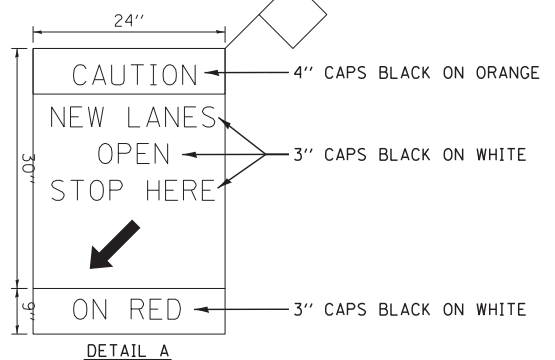


MAINTENANCE OF TRAFFIC LEGEND

	WORK AREA		TRAFFIC DIRECTION		ARROW BOARD		PVT MK - LINE 4" WHITE		PVT MK - LINE 24" WHITE
	TEMPORARY PAVEMENT (TO BE CONSTRUCTED IN CURRENT STAGE)		BARRICADE, TYPE III, W/ TYPE A BI-DIRECTIONAL FLASHING LIGHT		DOUBLE VERTICAL PANEL		PVT MK - LINE 4" YELLOW		PVT MK - LINE 8" WHITE
	TYPE II BARRICADES OR DRUMS W/ TYPE C STEADY BURN LIGHT		PROPOSED SIGN		TEMPORARY CONCRETE BARRIER		PVT MK - DBL 4" YELLOW		TEMP PVT MK (SEE GENERAL NOTES SHT G-03)
	TYPE B MONO-DIRECTIONAL FLASHING LIGHT		RAMP CLOSED		WET REF TEM TAPE T3 (SEE GENERAL NOTES SHT G-03)		PVT MK - LINE 6" WHITE		WET REF TEM TAPE T3 (SEE GENERAL NOTES SHT G-03)
					PERM PVT MK (SEE PVT MK PLANS)		PVT MK - LINE 12"		PERM PVT MK (SEE PVT MK PLANS)
							PVT MK - LTRS & SYMB		

NOTE:

- SIDEROAD, INTERSECTION, AND DRIVEWAY TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH DISTRICT DETAIL TC-10.



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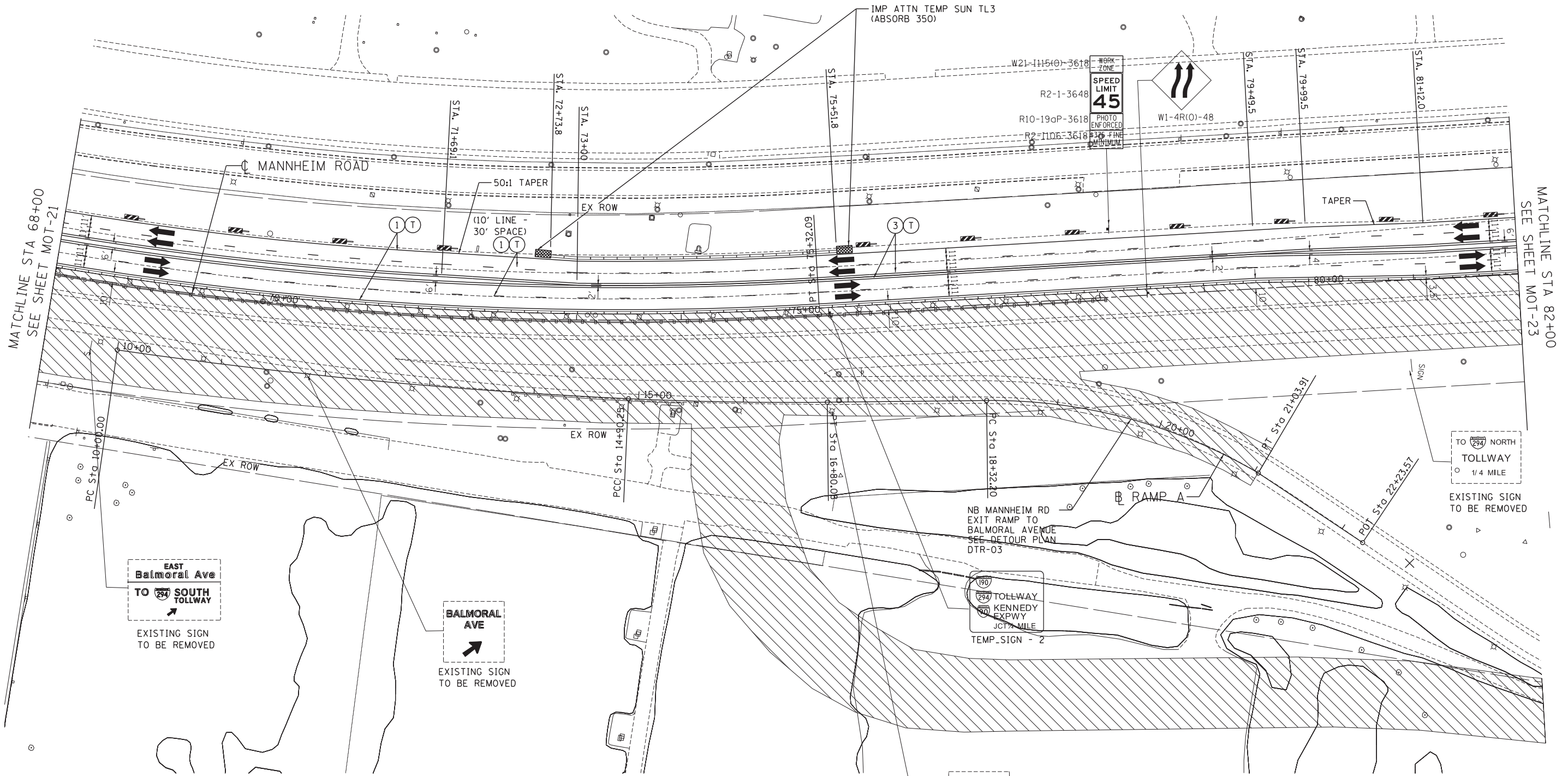
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
 STAGE 1**

SCALE: 1"=50' SHEET NO. OF SHEETS STA. 54+00 TO STA. 68+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0105 WRS&HB	COOK	605	109
CONTRACT NO. 60G37				
ILLINOIS FED. AID PROJECT				

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MAINTENANCE OF TRAFFIC LEGEND

	WORK AREA		TRAFFIC DIRECTION		ARROW BOARD		1 PVT MK - LINE 4" WHITE		7 PVT MK - LINE 24" WHITE
	TEMPORARY PAVEMENT (TO BE CONSTRUCTED IN CURRENT STAGE)		BARRICADE, TYPE III, W/ TYPE A BI-DIRECTIONAL FLASHING LIGHT		DOUBLE VERTICAL PANEL		2 PVT MK - LINE 4" YELLOW		8 PVT MK - LINE 8" WHITE
			TYPE II BARRICADES OR DRUMS W/ TYPE C STEADY BURN LIGHT		PROPOSED SIGN		3 PVT MK - DBL 4" YELLOW		T TEMP PVT MK (SEE GENERAL NOTES SHT G-03)
			TYPE B MONO-DIRECTIONAL FLASHING LIGHT		TEMPORARY CONCRETE BARRIER		4 PVT MK - LINE 6" WHITE		W WET REF TEM TAPE T3 (SEE GENERAL NOTES SHT G-03)
					RAMP CLOSED		5 PVT MK - LINE 12"		P PERM PVT MK (SEE PVT MK PLANS)
							6 PVT MK - LTRS & SYMB		

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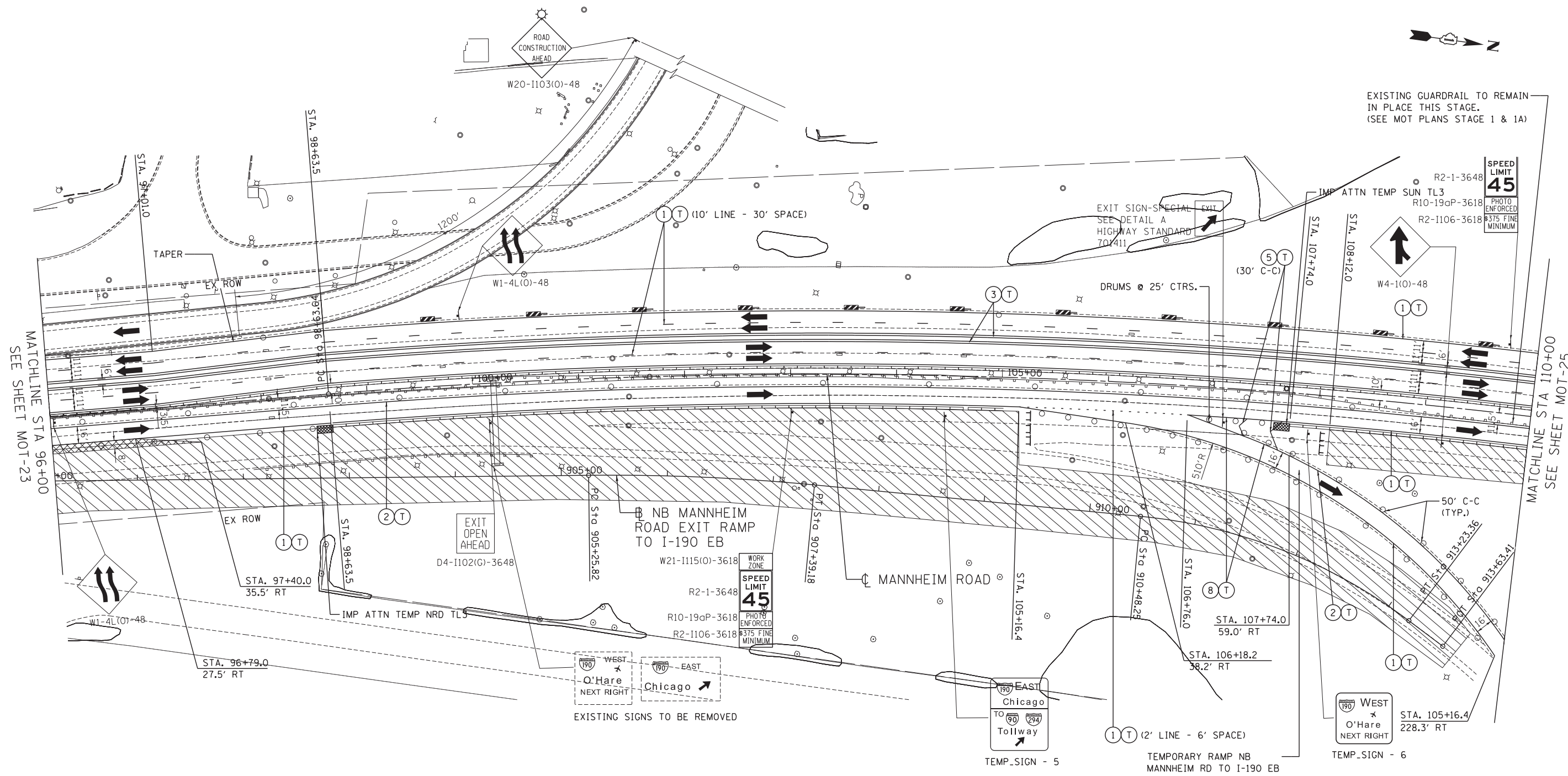
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
STAGE 1**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0105 WRS&HB	COOK	605	110
CONTRACT NO. 60G37				
ILLINOIS FED. AID PROJECT				

SCALE: 1"=50' SHEET NO. OF SHEETS STA. 68+00 TO STA. 82+00

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MAINTENANCE OF TRAFFIC LEGEND

	WORK AREA		TRAFFIC DIRECTION		ARROW BOARD		PVT MK - LINE 4" WHITE		PVT MK - LINE 24" WHITE
	TEMPORARY PAVEMENT (TO BE CONSTRUCTED IN CURRENT STAGE)		BARRICADE, TYPE III, W/ TYPE A BI-DIRECTIONAL FLASHING LIGHT		DOUBLE VERTICAL PANEL		PVT MK - LINE 4" YELLOW		PVT MK - LINE 8" WHITE
	TYPE II BARRICADES OR DRUMS W/ TYPE C STEADY BURN LIGHT		PROPOSED SIGN		TEMPORARY CONCRETE BARRIER		PVT MK - DBL 4" YELLOW		TEMP PVT MK (SEE GENERAL NOTES SHT G-03)
	TYPE B MONO-DIRECTIONAL FLASHING LIGHT		RAMP CLOSED		WET REF TEM TAPE T3 (SEE GENERAL NOTES SHT G-03)		PVT MK - LINE 6" WHITE		PERM PVT MK (SEE PVT MK PLANS)
							PVT MK - LINE 12"		
							PVT MK - LTRS & SYMB		

NOTE:
 TEMPORARY SIGNS SHALL BE INSTALLED PRIOR TO EXISTING SIGN TRUSS REMOVAL AND PRIOR TO IMPLEMENTING STAGE 1 TRAFFIC CONFIGURATION.

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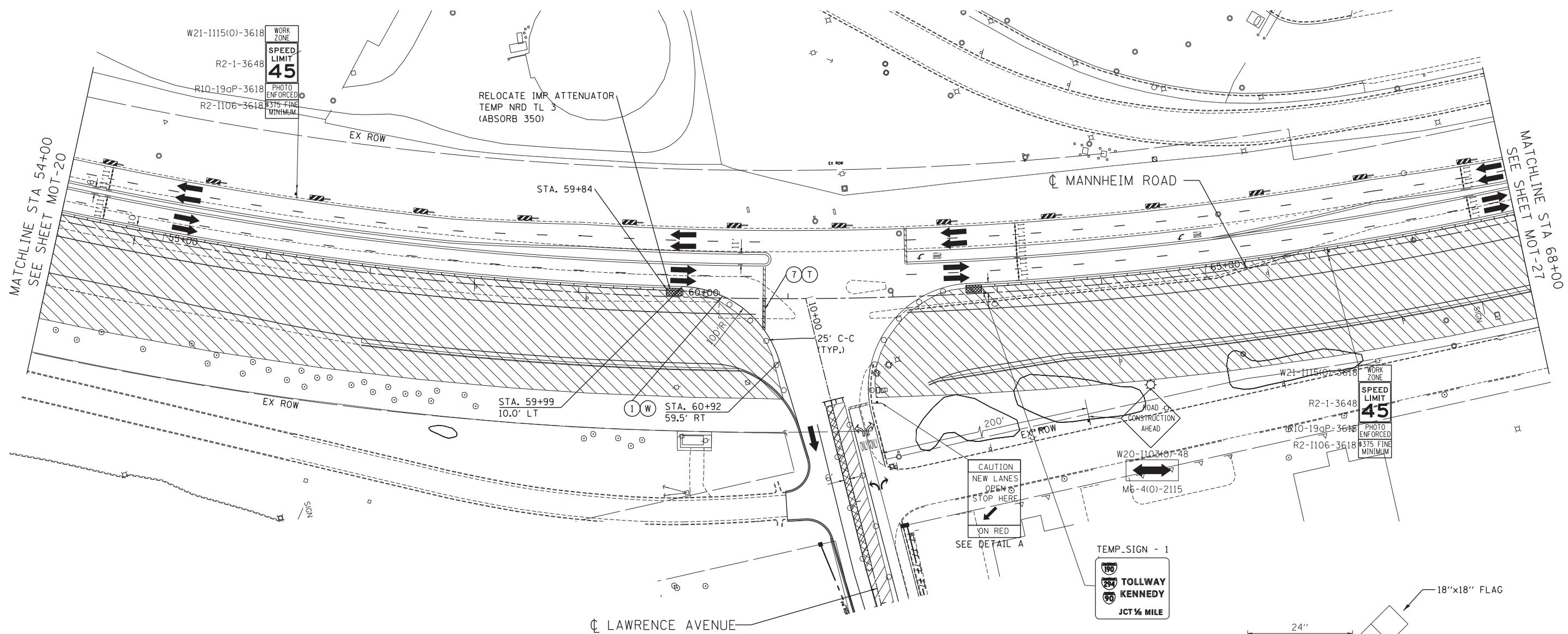
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
 STAGE 1**

SCALE: 1"=50' SHEET NO. OF SHEETS STA. 96+00 TO STA. 110+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0105 WRS&HB	COOK	605	112
CONTRACT NO. 60G37				
ILLINOIS FED. AID PROJECT				

MOT-24

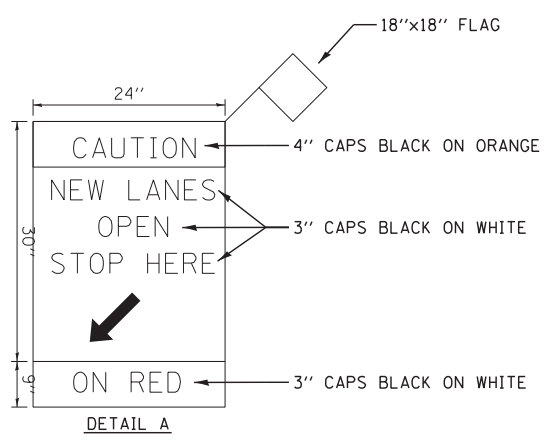


MAINTENANCE OF TRAFFIC LEGEND

	WORK AREA		TRAFFIC DIRECTION		ARROW BOARD		PVT MK - LINE 4" WHITE		PVT MK - LINE 24" WHITE
	TEMPORARY PAVEMENT (TO BE CONSTRUCTED IN CURRENT STAGE)		BARRICADE, TYPE III, W/ TYPE A BI-DIRECTIONAL FLASHING LIGHT		DOUBLE VERTICAL PANEL		PVT MK - LINE 4" YELLOW		PVT MK - LINE 8" WHITE
	TYPE II BARRICADES OR DRUMS W/ TYPE C STEADY BURN LIGHT		PROPOSED SIGN		TEMPORARY CONCRETE BARRIER		PVT MK - DBL 4" YELLOW		TEMP PVT MK (SEE GENERAL NOTES SHT G-03)
	TYPE B MONO-DIRECTIONAL FLASHING LIGHT		TEMPORARY CONCRETE BARRIER		RAMP CLOSED		PVT MK - LINE 6" WHITE		WET REF TEM TAPE T3 (SEE GENERAL NOTES SHT G-03)
							PVT MK - LINE 12"		PERM PVT MK (SEE PVT MK PLANS)
							PVT MK - LTRS & SYMB		

NOTE:

- SIDEROAD, INTERSECTION, AND DRIVEWAY TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH DISTRICT DETAIL TC-10.
- SEE SHEETS MOT 31 & 37 FOR LAWRENCE AVENUE MAINTENANCE OF TRAFFIC.



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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

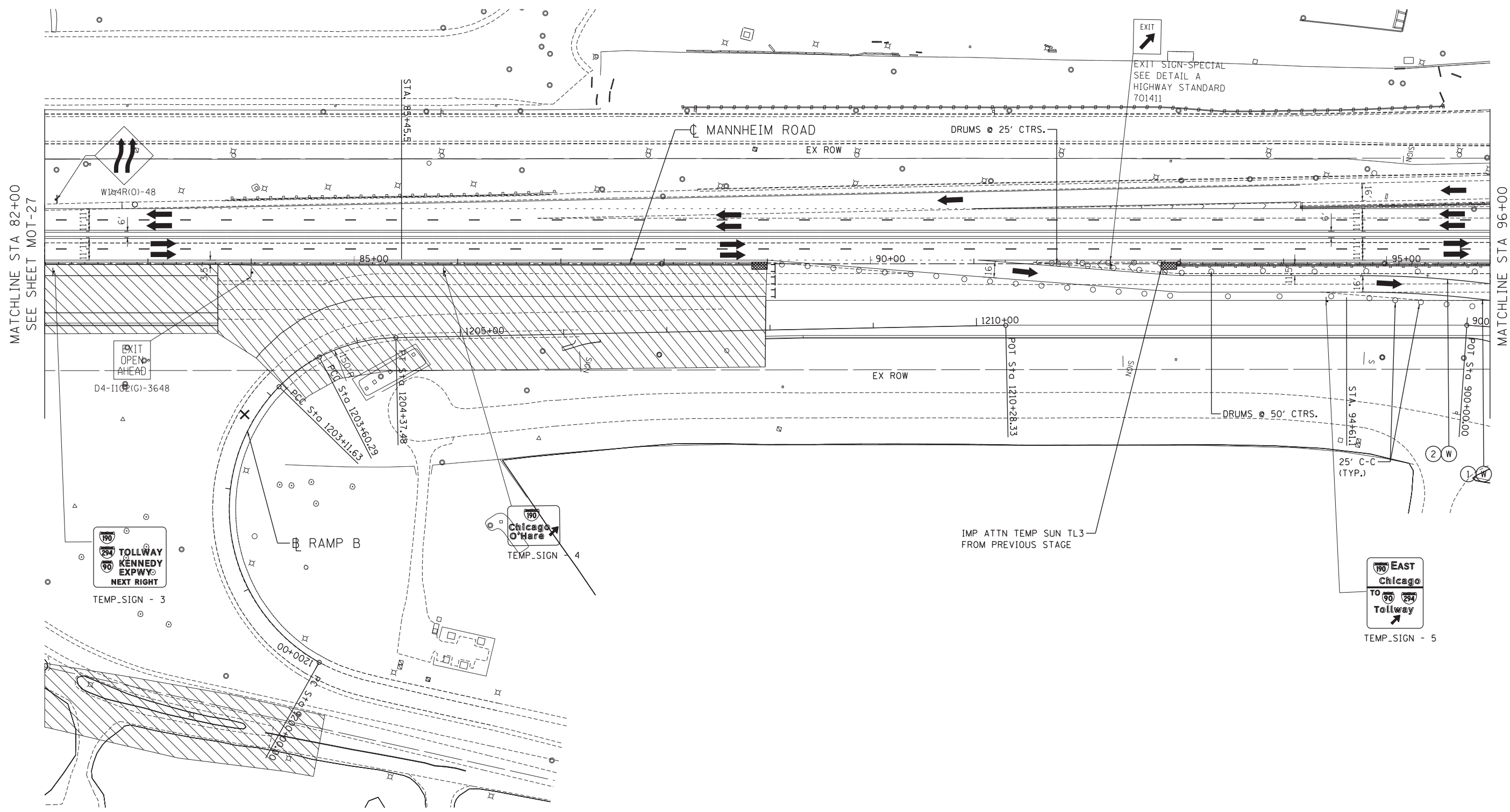
MAINTENANCE OF TRAFFIC STAGE 1 - SUB-STAGE A

SCALE: 1"=50' SHEET NO. OF SHEETS STA. 54+00 TO STA. 68+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0105 WRS&HB	COOK	605	114
CONTRACT NO. 60G37				
ILLINOIS FED. AID PROJECT				

MAINTENANCE OF TRAFFIC LEGEND

	WORK AREA		TRAFFIC DIRECTION		ARROW BOARD		PVT MK - LINE 4" WHITE		PVT MK - LINE 24" WHITE
	TEMPORARY PAVEMENT (TO BE CONSTRUCTED IN CURRENT STAGE)		BARRICADE, TYPE III, W/ TYPE A BI-DIRECTIONAL FLASHING LIGHT		DOUBLE VERTICAL PANEL		PVT MK - LINE 4" YELLOW		PVT MK - LINE 8" WHITE
			TYPE II BARRICADES OR DRUMS W/ TYPE C STEADY BURN LIGHT		PROPOSED SIGN		PVT MK - DBL 4" YELLOW		TEMP PVT MK (SEE GENERAL NOTES SHT G-03)
			TYPE B MONO-DIRECTIONAL FLASHING LIGHT		TEMPORARY CONCRETE BARRIER		PVT MK - LINE 6" WHITE		WET REF TEM TAPE T3 (SEE GENERAL NOTES SHT G-03)
					RAMP CLOSED		PVT MK - LINE 12"		PERM PVT MK (SEE PVT MK PLANS)
							PVT MK - LTRS & SYMB		



MATCHLINE STA 82+00
SEE SHEET MOT-27

MATCHLINE STA 96+00
SEE SHEET MOT-29

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CHICAGO, ILLINOIS

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
STAGE 1 - SUB-STAGE A**

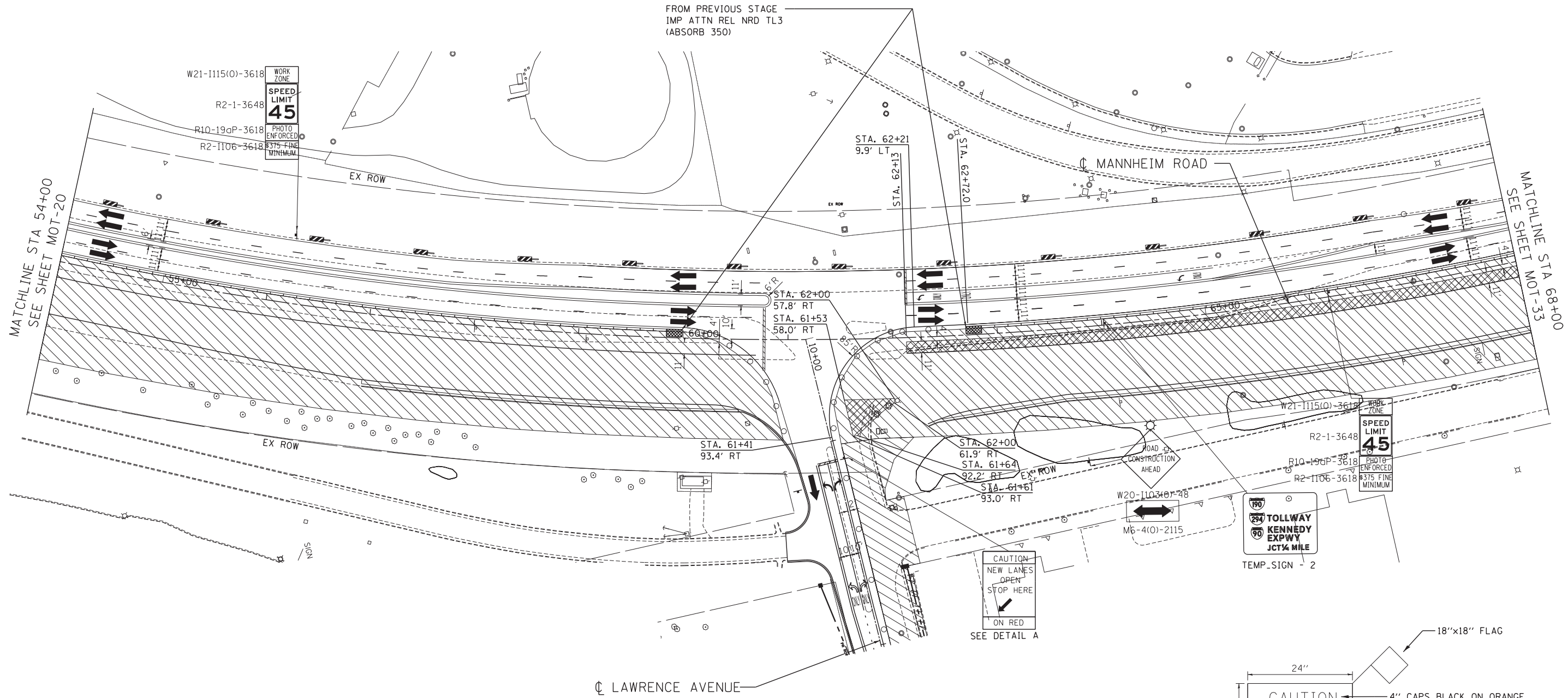
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0105 WRS&HB	COOK	605	116
CONTRACT NO. 60G37				
ILLINOIS FED. AID PROJECT				

MOT-28



FROM PREVIOUS STAGE
IMP ATTN REL NRD TL3
(ABSORB 350)

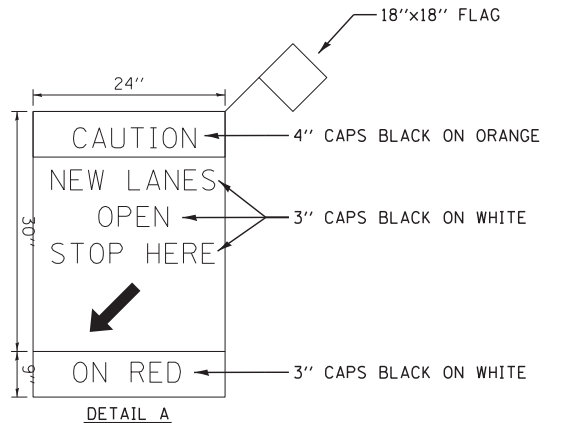


MAINTENANCE OF TRAFFIC LEGEND

	WORK AREA		TRAFFIC DIRECTION		ARROW BOARD	①	PVT MK - LINE 4" WHITE	⑦	PVT MK - LINE 24" WHITE
	TEMPORARY PAVEMENT (TO BE CONSTRUCTED IN CURRENT STAGE)		BARRICADE, TYPE III, W/ TYPE A BI-DIRECTIONAL FLASHING LIGHT		DOUBLE VERTICAL PANEL	②	PVT MK - LINE 4" YELLOW	⑧	PVT MK - LINE 8" WHITE
			TYPE II BARRICADES OR DRUMS W/ TYPE C STEADY BURN LIGHT		PROPOSED SIGN	③	PVT MK - DBL 4" YELLOW	T	TEMP PVT MK (SEE GENERAL NOTES SHT G-03)
			TYPE B MONO-DIRECTIONAL FLASHING LIGHT		TEMPORARY CONCRETE BARRIER	④	PVT MK - LINE 6" WHITE	W	WET REF TEM TAPE T3 (SEE GENERAL NOTES SHT G-03)
					RAMP CLOSED	⑤	PVT MK - LINE 12"	P	PERM PVT MK (SEE PVT MK PLANS)
						⑥	PVT MK - LTRS & SYMB		

NOTE:

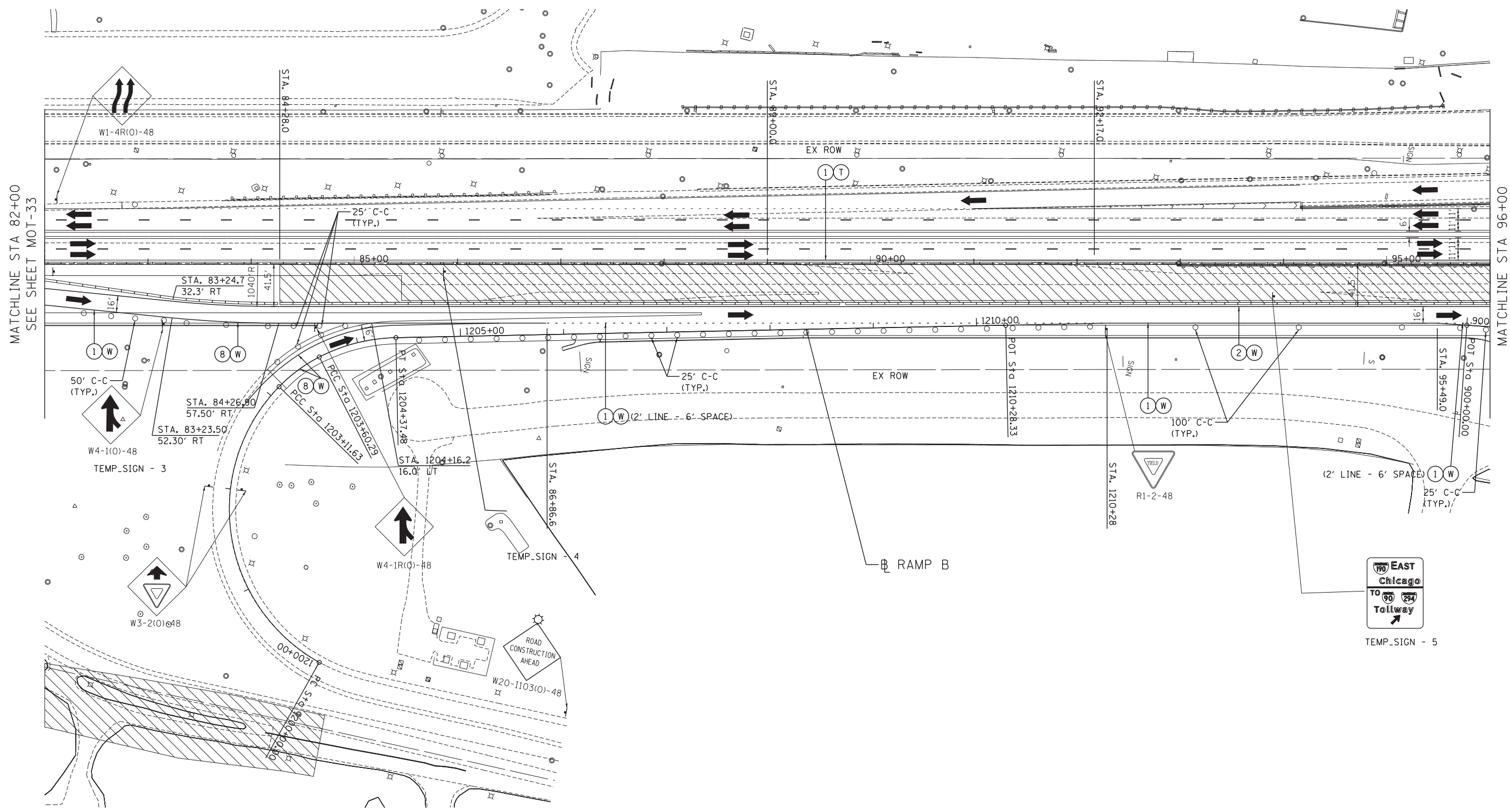
- SIDEROAD, INTERSECTION, AND DRIVEWAY TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH DISTRICT DETAIL TC-10.
- SEE SHEET MOT-37 FOR LAWRENCE AVENUE MAINTENANCE OF TRAFFIC



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MAINTENANCE OF TRAFFIC LEGEND

	WORK AREA		TRAFFIC DIRECTION		ARROW BOARD		PVT MK - LINE 4" WHITE		PVT MK - LINE 24" WHITE
	TEMPORARY PAVEMENT (TO BE CONSTRUCTED IN CURRENT STAGE)		BARRICADE, TYPE III, W/ TYPE A BI-DIRECTIONAL FLASHING LIGHT		DOUBLE VERTICAL PANEL		PVT MK - LINE 4" YELLOW		PVT MK - LINE 8" WHITE
			TYPE II BARRICADES OR DRUMS W/ TYPE C STEADY BURN LIGHT		PROPOSED SIGN		PVT MK - DBL 4" YELLOW		TEMP PVT MK (SEE GENERAL NOTES SHT G-03)
			TYPE B MONO-DIRECTIONAL FLASHING LIGHT		TEMPORARY CONCRETE BARRIER		PVT MK - LINE 6" WHITE		WET REF TEM TAPE T3 (SEE GENERAL NOTES SHT G-03)
					RAMP CLOSED		PVT MK - LINE 12"		PERM PVT MK (SEE PVT MK PLANS)
							PVT MK - LTRS & SYMB		



MATCHLINE STA 82+00
SEE SHEET MOT-33

MATCHLINE STA 96+00
SEE SHEET MOT-35

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ENGINEERS/ARCHITECTS/PLANNERS
CHICAGO, ILLINOIS

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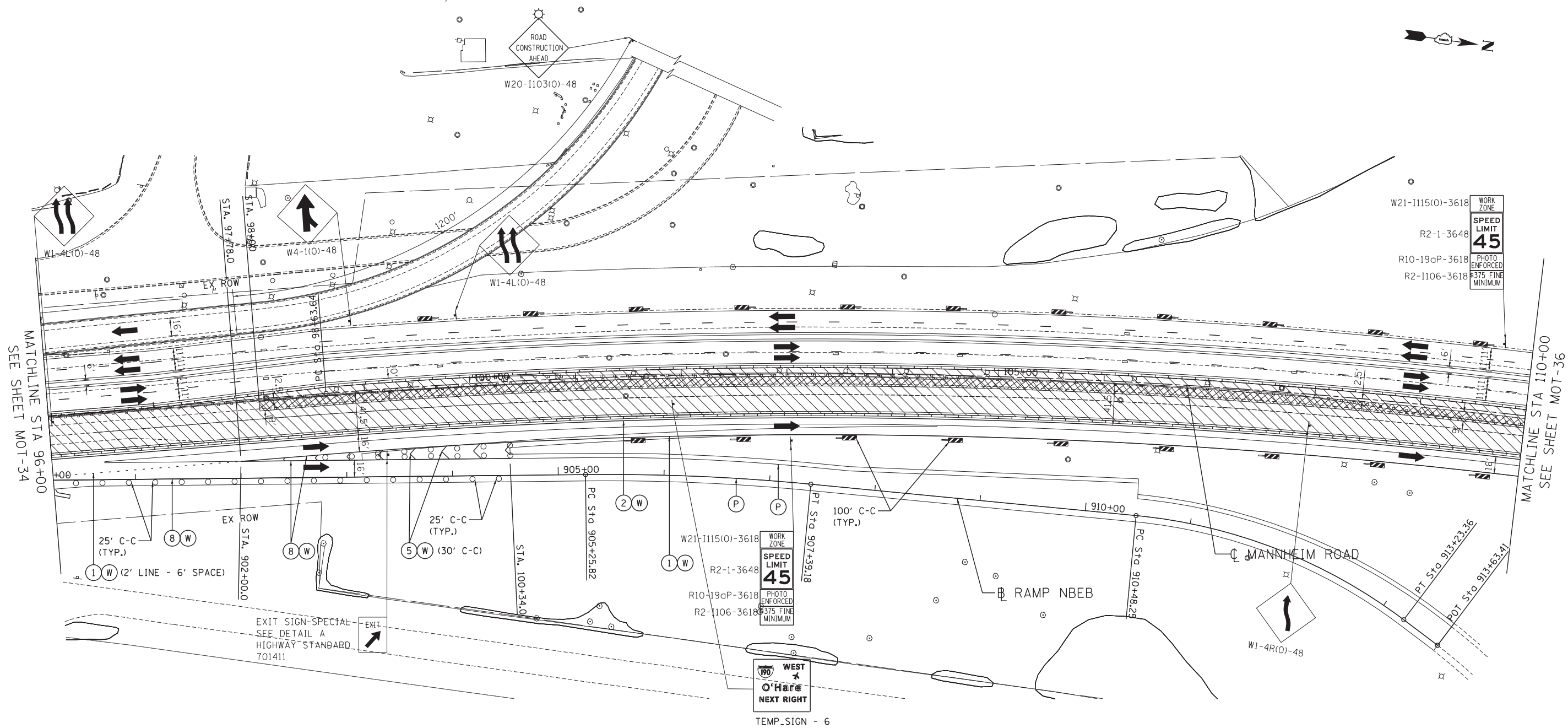
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
STAGE 1 - SUB-STAGE B**

SCALE: 1"=50' SHEET NO. OF SHEETS STA. 82+00 TO STA. 96+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0105 WRS&HB	COOK	605	122
CONTRACT NO. 60G37				
ILLINOIS FED. AID PROJECT				

MOT-34



MAINTENANCE OF TRAFFIC LEGEND

	WORK AREA		TRAFFIC DIRECTION		ARROW BOARD	①	PVT MK - LINE 4" WHITE	⑦	PVT MK - LINE 24" WHITE
	TEMPORARY PAVEMENT (TO BE CONSTRUCTED IN CURRENT STAGE)		BARRICADE, TYPE III, W/ TYPE A BI-DIRECTIONAL FLASHING LIGHT		DOUBLE VERTICAL PANEL	②	PVT MK - LINE 4" YELLOW	⑧	PVT MK - LINE 8" WHITE
	TYPE II BARRICADES OR DRUMS W/ TYPE C STEADY BURN LIGHT		PROPOSED SIGN		TEMPORARY CONCRETE BARRIER	③	PVT MK - DBL 4" YELLOW	T	TEMP PVT MK (SEE GENERAL NOTES SHT G-03)
	TYPE B MONO-DIRECTIONAL FLASHING LIGHT		RAMP CLOSED		WET REF TEM TAPE T3 (SEE GENERAL NOTES SHT G-03)	④	PVT MK - LINE 6" WHITE	W	PERM PVT MK (SEE PVT MK PLANS)
						⑤	PVT MK - LINE 12"		
						⑥	PVT MK - LTRS & SYMB		

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 ENGINEERS/ARCHITECTS/PLANNERS
 CHICAGO, ILLINOIS

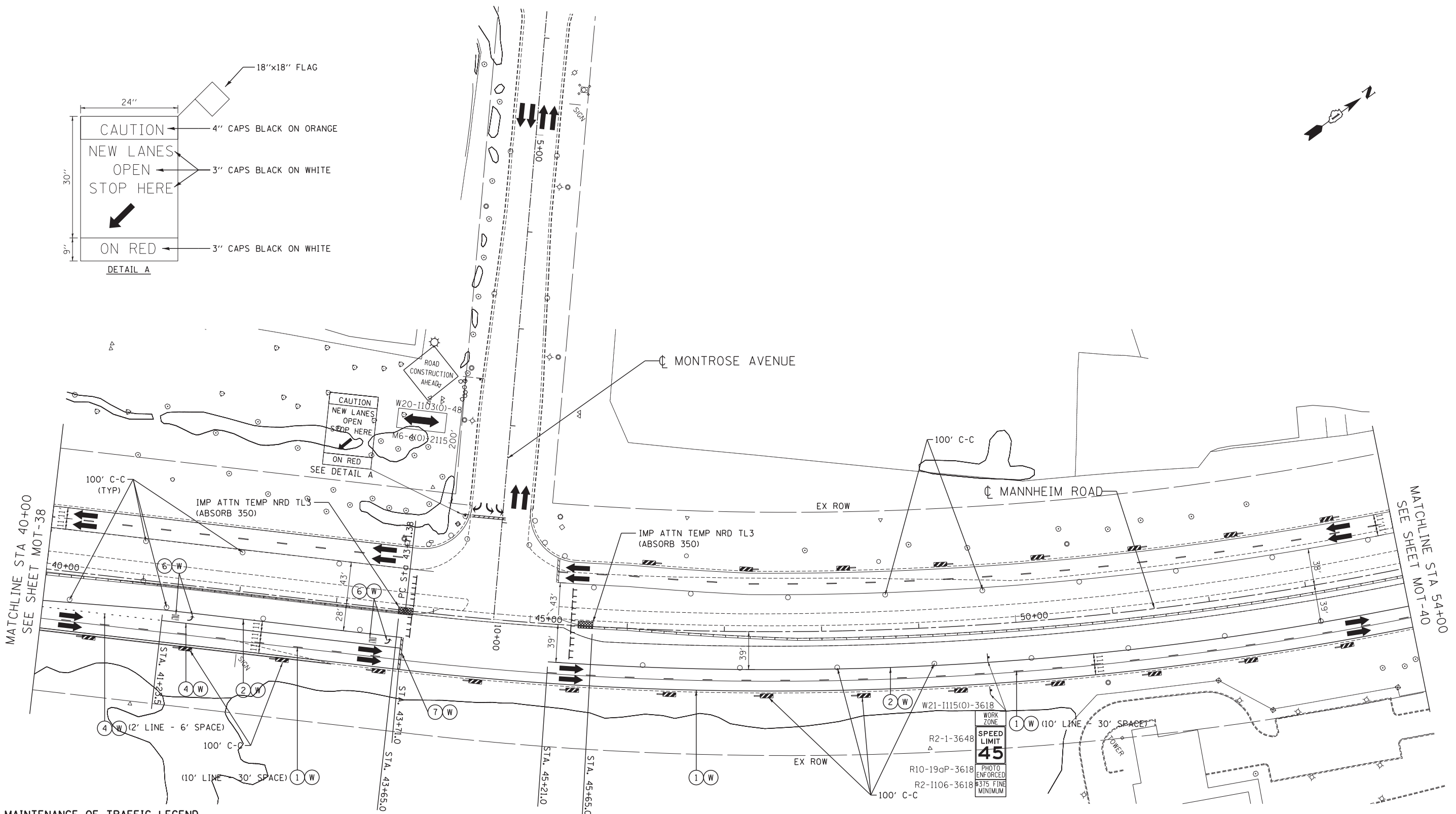
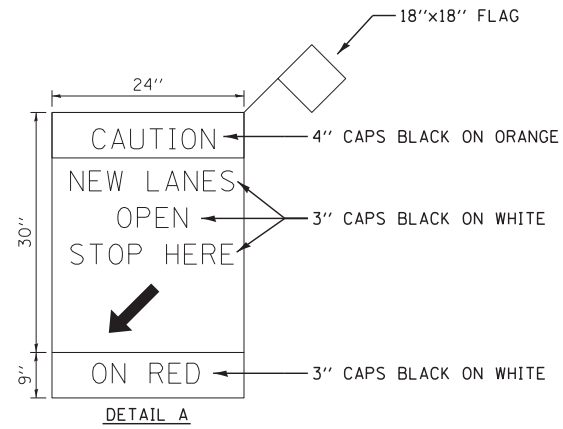
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC STAGE 1 - SUB-STAGE B			
SCALE: 1"=50'	SHEET NO. OF SHEETS	STA. 96+00 TO STA. 110+00	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0105 WRS&HB	COOK	605	123
CONTRACT NO. 60G37				
ILLINOIS FED. AID PROJECT				

MOT-35



MAINTENANCE OF TRAFFIC LEGEND									
	WORK AREA		TRAFFIC DIRECTION		ARROW BOARD		PVT MK - LINE 4" WHITE		PVT MK - LINE 24" WHITE
	TEMPORARY PAVEMENT (TO BE CONSTRUCTED IN CURRENT STAGE)		BARRICADE, TYPE III, W/ TYPE A BI-DIRECTIONAL FLASHING LIGHT		DOUBLE VERTICAL PANEL		PVT MK - LINE 4" YELLOW		PVT MK - LINE 8" WHITE
	TYPE II BARRICADES OR DRUMS W/ TYPE C STEADY BURN LIGHT		PROPOSED SIGN		TEMPORARY CONCRETE BARRIER		PVT MK - DBL 4" YELLOW		TEMP PVT MK (SEE GENERAL NOTES SHT G-03)
	TYPE B MONO-DIRECTIONAL FLASHING LIGHT		RAMP CLOSED		PVT MK - LINE 6" WHITE		PVT MK - LINE 12"		WET REF TEM TAPE T3 (SEE GENERAL NOTES SHT G-03)
			PVT MK - LTRS & SYMB		PERM PVT MK (SEE PVT MK PLANS)				

NOTES:
 1. SIDEROAD, INTERSECTION, AND DRIVEWAY TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH DISTRICT DETAIL TC-10.

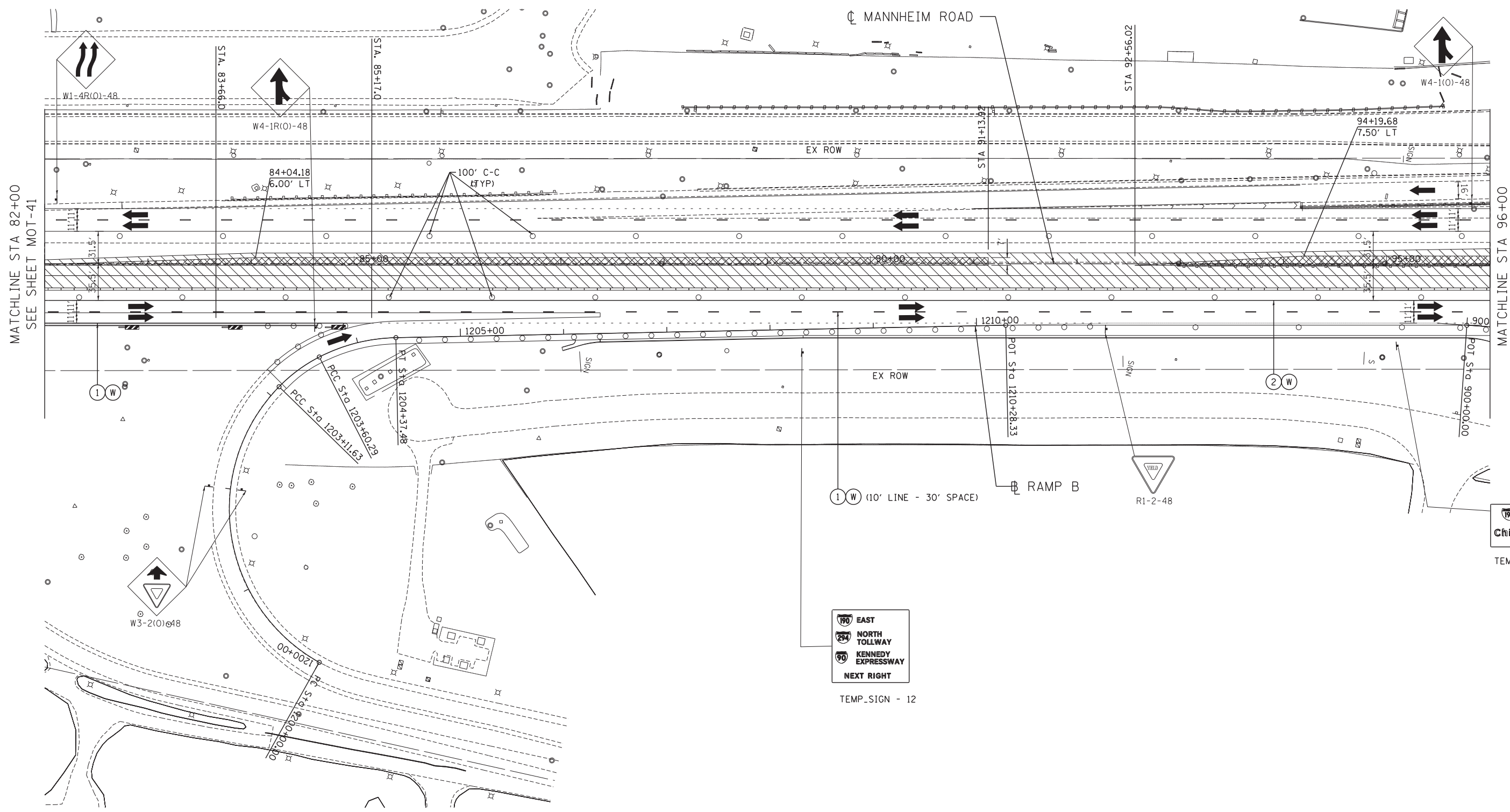
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TENG TENG & ASSOCIATES, INC. ENGINEERS/ARCHITECTS/PLANNERS CHICAGO, ILLINOIS	FILE NAME =	USER NAME = *USER*	DESIGNED - BRH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC STAGE 1 - SUB-STAGE C			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FILEL	PLOT SCALE = *SCALE*	DRAWN - JZP	REVISED -		SCALE: 1"=50'	SHEET NO.	OF	SHEETS	STA. 40+00	TO STA. 54+00	ILLINOIS FED. AID PROJECT	605
	PLOT DATE = *DATE*	CHECKED - KDA	DATE - 10/19/12	REVISED -							CONTRACT NO. 60G37		

MOT-39

MAINTENANCE OF TRAFFIC LEGEND

	WORK AREA		TRAFFIC DIRECTION		ARROW BOARD		PVT MK - LINE 4" WHITE		PVT MK - LINE 24" WHITE
	TEMPORARY PAVEMENT (TO BE CONSTRUCTED IN CURRENT STAGE)		BARRICADE, TYPE III, W/ TYPE A BI-DIRECTIONAL FLASHING LIGHT		DOUBLE VERTICAL PANEL		PVT MK - LINE 4" YELLOW		PVT MK - LINE 8" WHITE
			TYPE II BARRICADES OR DRUMS W/ TYPE C STEADY BURN LIGHT		PROPOSED SIGN		PVT MK - DBL 4" YELLOW		TEMP PVT MK (SEE GENERAL NOTES SHT G-03)
			TYPE B MONO-DIRECTIONAL FLASHING LIGHT		TEMPORARY CONCRETE BARRIER		PVT MK - LINE 6" WHITE		WET REF TEM TAPE T3 (SEE GENERAL NOTES SHT G-03)
					RAMP CLOSED		PVT MK - LINE 12"		PERM PVT MK (SEE PVT MK PLANS)
							PVT MK - LTRS & SYMB		

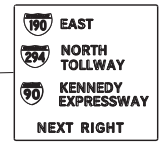


MATCHLINE STA 82+00
SEE SHEET MOT-41

MATCHLINE STA 96+00
SEE SHEET MOT-43

(1) (W) (10' LINE - 30' SPACE)

R1-2-48



TEMP_SIGN - 12



TEMP_SIGN - 13

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FILE NAME =	USER NAME = *USER*	DESIGNED - BRH	REVISED -
FILEL		DRAWN - JZP	REVISED -
	PLOT SCALE = *SCALE*	CHECKED - KDA	REVISED -
	PLOT DATE = *DATE*	DATE - 10/19/12	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
STAGE 1 - SUB-STAGE C**

SCALE: 1"=50' SHEET NO. OF SHEETS STA. 82+00 TO STA. 96+00

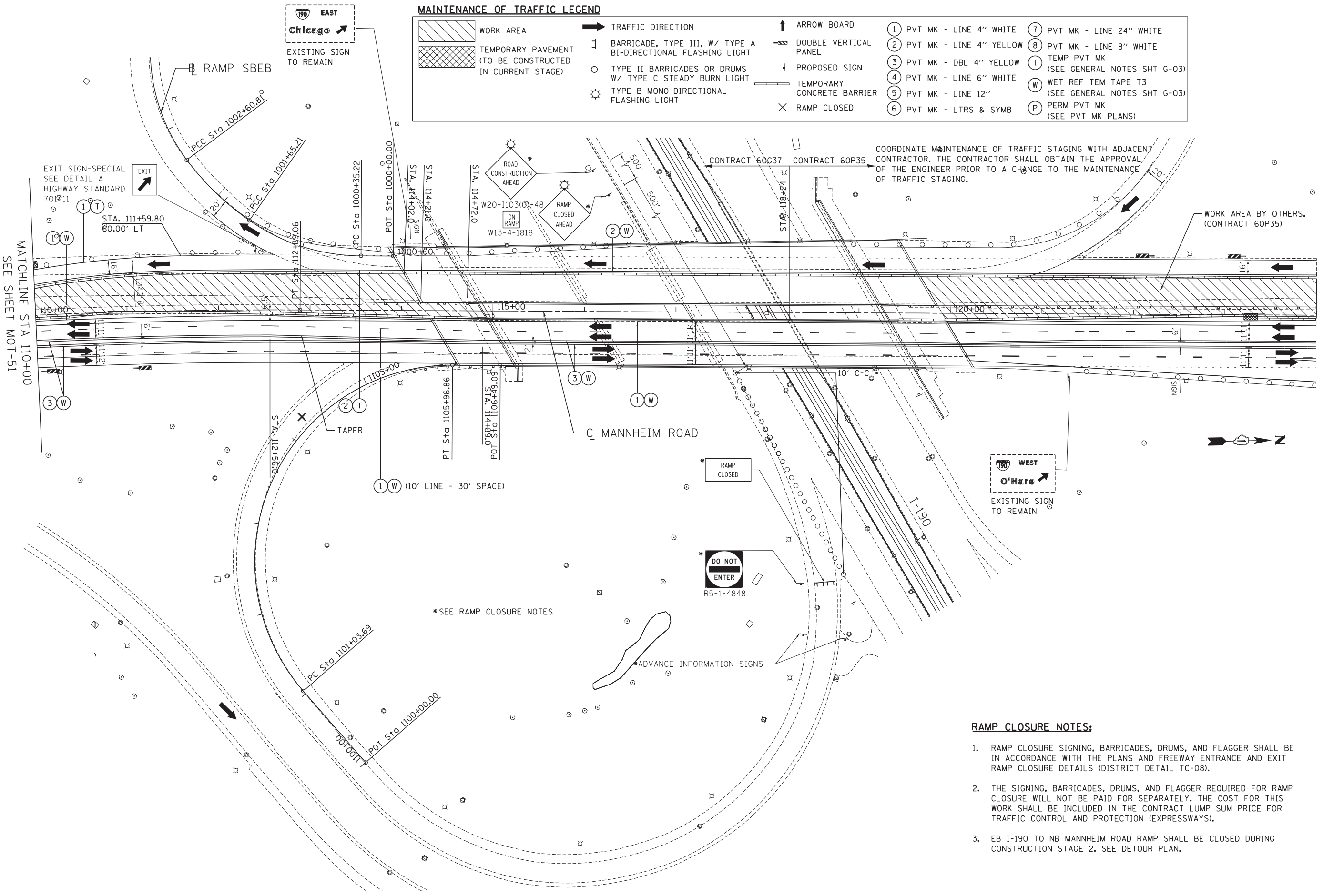
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0105 WRS&HB	COOK	605	130
CONTRACT NO. 60G37				
ILLINOIS FED. AID PROJECT				

MOT-42



MAINTENANCE OF TRAFFIC LEGEND

	WORK AREA		TRAFFIC DIRECTION		ARROW BOARD	①	PVT MK - LINE 4" WHITE	⑦	PVT MK - LINE 24" WHITE
	TEMPORARY PAVEMENT (TO BE CONSTRUCTED IN CURRENT STAGE)		BARRICADE, TYPE III, W/ TYPE A BI-DIRECTIONAL FLASHING LIGHT		DOUBLE VERTICAL PANEL	②	PVT MK - LINE 4" YELLOW	⑧	PVT MK - LINE 8" WHITE
			TYPE II BARRICADES OR DRUMS W/ TYPE C STEADY BURN LIGHT		PROPOSED SIGN	③	PVT MK - DBL 4" YELLOW	T	TEMP PVT MK (SEE GENERAL NOTES SHT G-03)
			TYPE B MONO-DIRECTIONAL FLASHING LIGHT		TEMPORARY CONCRETE BARRIER	④	PVT MK - LINE 6" WHITE	W	WET REF TEM TAPE T3 (SEE GENERAL NOTES SHT G-03)
					RAMP CLOSED	⑤	PVT MK - LINE 12"	P	PERM PVT MK (SEE PVT MK PLANS)



COORDINATE MAINTENANCE OF TRAFFIC STAGING WITH ADJACENT CONTRACTOR. THE CONTRACTOR SHALL OBTAIN THE APPROVAL OF THE ENGINEER PRIOR TO A CHANGE TO THE MAINTENANCE OF TRAFFIC STAGING.

WORK AREA BY OTHERS. (CONTRACT 60P35)

RAMP CLOSURE NOTES:

1. RAMP CLOSURE SIGNING, BARRICADES, DRUMS, AND FLAGGER SHALL BE IN ACCORDANCE WITH THE PLANS AND FREEWAY ENTRANCE AND EXIT RAMP CLOSURE DETAILS (DISTRICT DETAIL TC-08).
2. THE SIGNING, BARRICADES, DRUMS, AND FLAGGER REQUIRED FOR RAMP CLOSURE WILL NOT BE PAID FOR SEPARATELY. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE CONTRACT LUMP SUM PRICE FOR TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
3. EB I-190 TO NB MANNHEIM ROAD RAMP SHALL BE CLOSED DURING CONSTRUCTION STAGE 2. SEE DETOUR PLAN.

FILE NAME = ... USER NAME = *USER* ... DESIGNED - BRH ... REVISIONS ... DRAWN - JZP ... CHECKED - KDA ... DATE - 10/19/12 ... PLOT SCALE = *SCALE* ... PLOT DATE = *DATE* ...



TENG & ASSOCIATES, INC.
ENGINEERS/ARCHITECTS/PLANNERS
CHICAGO, ILLINOIS

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
STAGE 2**

SCALE: 1"=50' SHEET NO. OF SHEETS STA. 110+00 TO STA. 118+24

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0105 WRS&HB	COOK	605	140
			CONTRACT NO. 60G37	
ILLINOIS FED. AID PROJECT				

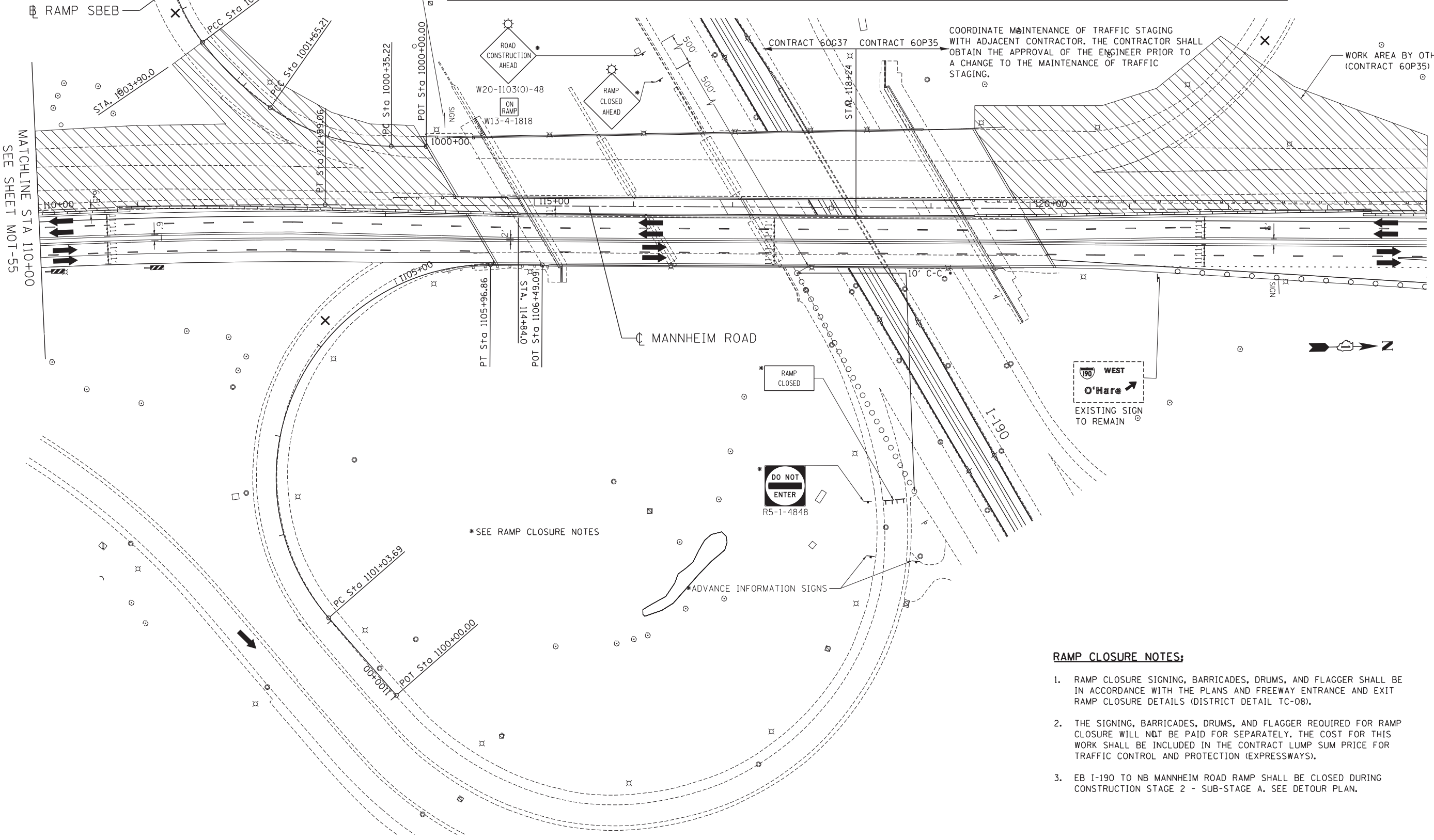
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 BAJZEKKJ



MAINTENANCE OF TRAFFIC LEGEND

WORK AREA	TRAFFIC DIRECTION	ARROW BOARD	1 PVT MK - LINE 4" WHITE	7 PVT MK - LINE 24" WHITE
TEMPORARY PAVEMENT (TO BE CONSTRUCTED IN CURRENT STAGE)	BARRICADE, TYPE III, W/ TYPE A BI-DIRECTIONAL FLASHING LIGHT	DOUBLE VERTICAL PANEL	2 PVT MK - LINE 4" YELLOW	8 PVT MK - LINE 8" WHITE
	TYPE II BARRICADES OR DRUMS W/ TYPE C STEADY BURN LIGHT	PROPOSED SIGN	3 PVT MK - DBL 4" YELLOW	T TEMP PVT MK (SEE GENERAL NOTES SHT G-03)
	TYPE B MONO-DIRECTIONAL FLASHING LIGHT	TEMPORARY CONCRETE BARRIER	4 PVT MK - LINE 6" WHITE	W WET REF TEM TAPE T3 (SEE GENERAL NOTES SHT G-03)
		RAMP CLOSED	5 PVT MK - LINE 12"	P PERM PVT MK (SEE PVT MK PLANS)



RAMP CLOSURE NOTES:

1. RAMP CLOSURE SIGNING, BARRICADES, DRUMS, AND FLAGGER SHALL BE IN ACCORDANCE WITH THE PLANS AND FREEWAY ENTRANCE AND EXIT RAMP CLOSURE DETAILS (DISTRICT DETAIL TC-08).
2. THE SIGNING, BARRICADES, DRUMS, AND FLAGGER REQUIRED FOR RAMP CLOSURE WILL NOT BE PAID FOR SEPARATELY. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE CONTRACT LUMP SUM PRICE FOR TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
3. EB I-190 TO NB MANNHEIM ROAD RAMP SHALL BE CLOSED DURING CONSTRUCTION STAGE 2 - SUB-STAGE A. SEE DETOUR PLAN.

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*FILEL#		DRAWN - JZP	REVISED -
	PLOT SCALE = #SCALE*	CHECKED - KDA	REVISED -
	PLOT DATE = #DATE*	DATE - 10/19/12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STAGE 2 - SUB-STAGE A			0105 WRS&HB	COOK	605	144
SCALE: 1"=50'	SHEET NO.	OF	SHEETS	STA. 110+00	TO STA. 118+24	CONTRACT NO. 60G37

ILLINOIS	FED. AID PROJECT
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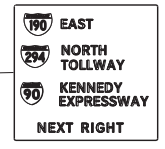
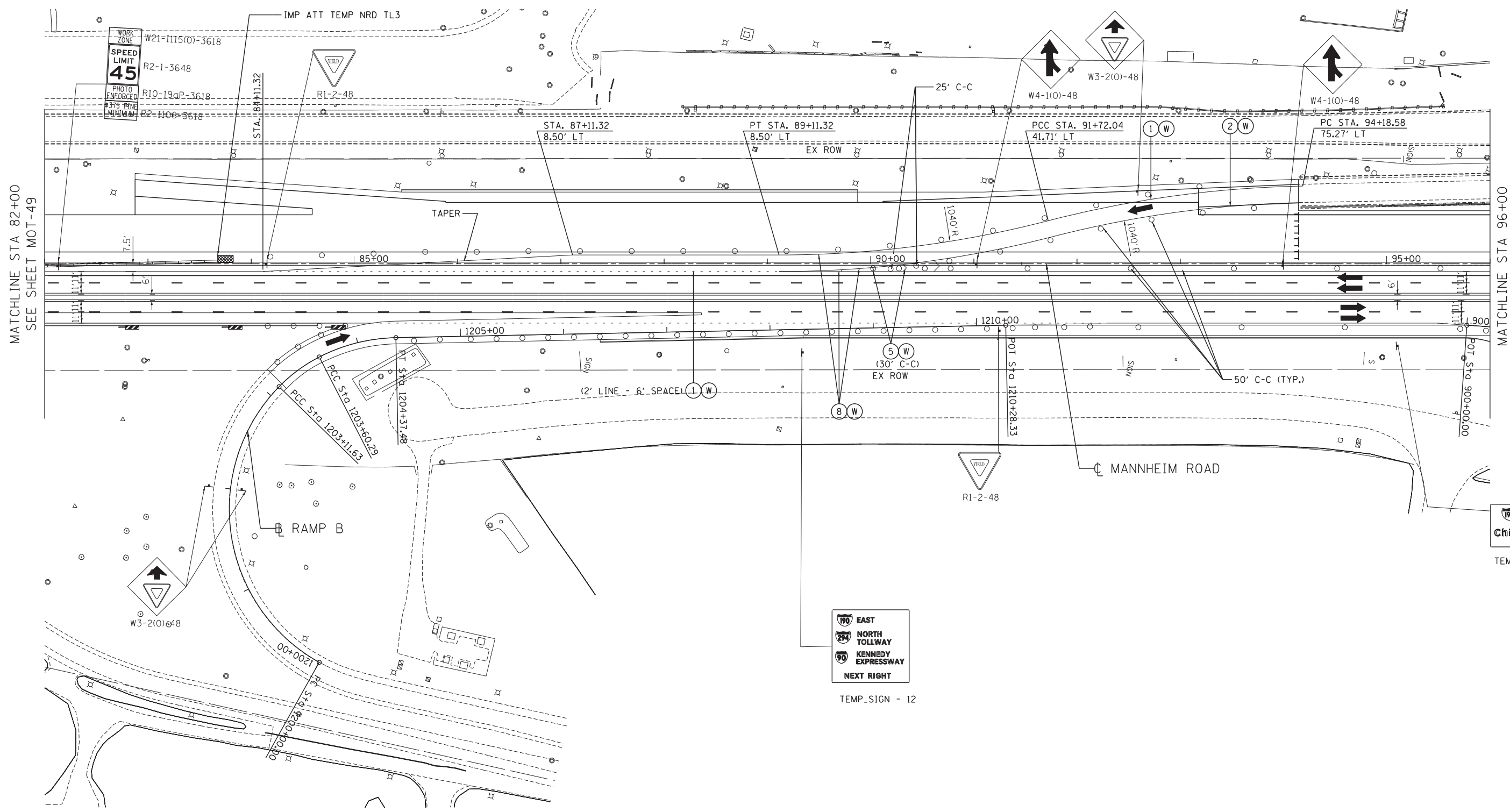
MOT-56



TENGE & ASSOCIATES, INC.
 ENGINEERS/ARCHITECTS/PLANNERS
 CHICAGO, ILLINOIS

MAINTENANCE OF TRAFFIC LEGEND

	WORK AREA		TRAFFIC DIRECTION		ARROW BOARD		PVT MK - LINE 4" WHITE		PVT MK - LINE 24" WHITE
	TEMPORARY PAVEMENT (TO BE CONSTRUCTED IN CURRENT STAGE)		BARRICADE, TYPE III, W/ TYPE A BI-DIRECTIONAL FLASHING LIGHT		DOUBLE VERTICAL PANEL		PVT MK - LINE 4" YELLOW		PVT MK - LINE 8" WHITE
			TYPE II BARRICADES OR DRUMS W/ TYPE C STEADY BURN LIGHT		PROPOSED SIGN		PVT MK - DBL 4" YELLOW		TEMP PVT MK (SEE GENERAL NOTES SHT G-03)
			TYPE B MONO-DIRECTIONAL FLASHING LIGHT		TEMPORARY CONCRETE BARRIER		PVT MK - LINE 6" WHITE		WET REF TEM TAPE T3 (SEE GENERAL NOTES SHT G-03)
					RAMP CLOSED		PVT MK - LINE 12"		PERM PVT MK (SEE PVT MK PLANS)
							PVT MK - LTRS & SYMB		



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FILEL		DRAWN - JZP	REVISED -		SCALE: 1"=50'	SHEET NO.	OF SHEETS	STA. 82+00	TO STA. 96+00	ILLINOIS	FED. AID PROJECT	605	146
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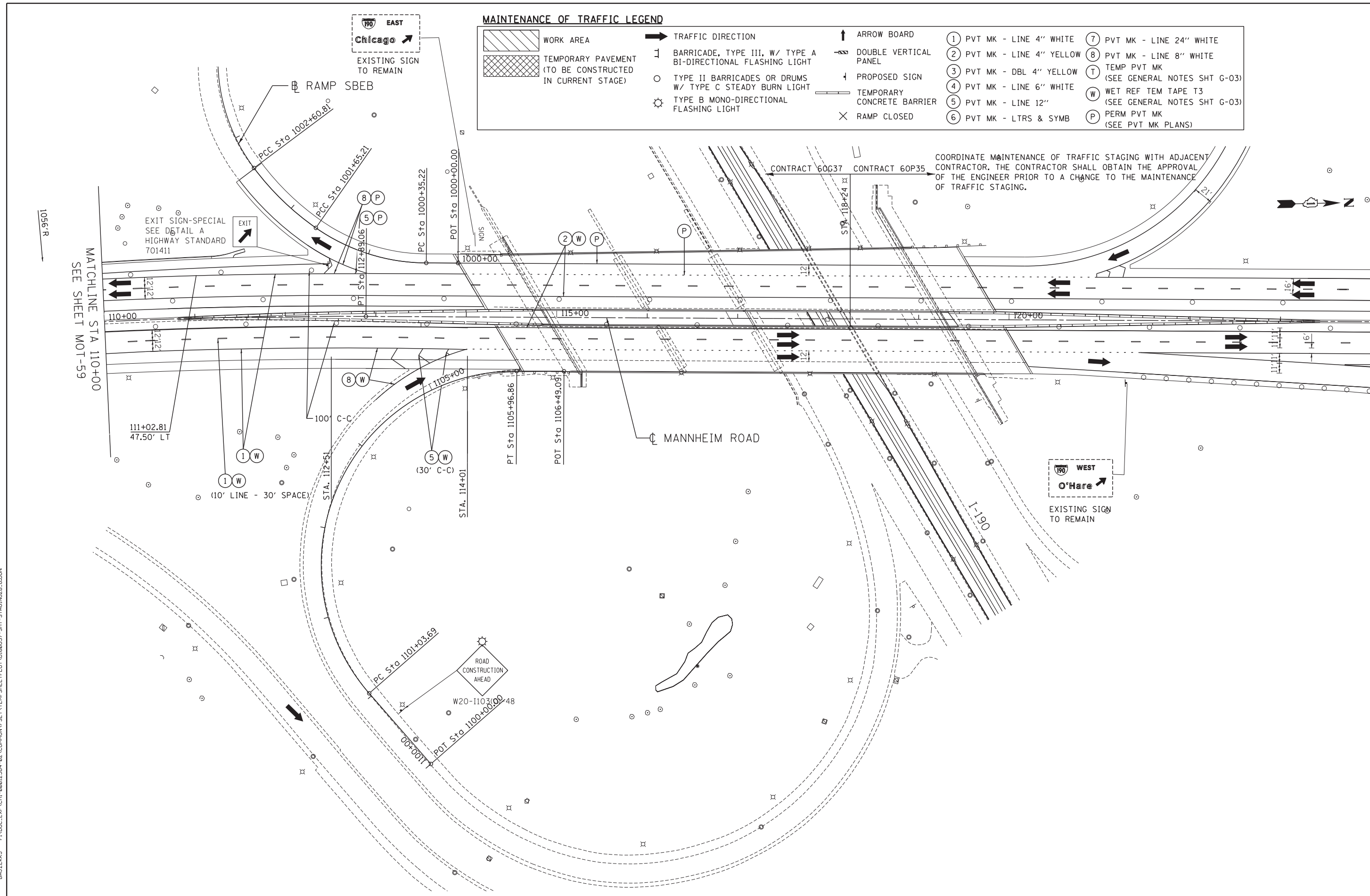


MOT-58

CONTRACT NO. 60G37

MAINTENANCE OF TRAFFIC LEGEND

	WORK AREA		TRAFFIC DIRECTION		ARROW BOARD	①	PVT MK - LINE 4" WHITE	⑦	PVT MK - LINE 24" WHITE
	TEMPORARY PAVEMENT (TO BE CONSTRUCTED IN CURRENT STAGE)		BARRICADE, TYPE III, W/ TYPE A BI-DIRECTIONAL FLASHING LIGHT		DOUBLE VERTICAL PANEL	②	PVT MK - LINE 4" YELLOW	⑧	PVT MK - LINE 8" WHITE
			TYPE II BARRICADES OR DRUMS W/ TYPE C STEADY BURN LIGHT		PROPOSED SIGN	③	PVT MK - DBL 4" YELLOW	T	TEMP PVT MK (SEE GENERAL NOTES SHT G-03)
			TYPE B MONO-DIRECTIONAL FLASHING LIGHT		TEMPORARY CONCRETE BARRIER	④	PVT MK - LINE 6" WHITE	W	WET REF TEM TAPE T3 (SEE GENERAL NOTES SHT G-03)
					RAMP CLOSED	⑤	PVT MK - LINE 12"	P	PERM PVT MK (SEE PVT MK PLANS)
						⑥	PVT MK - LTRS & SYMB		



COORDINATE MAINTENANCE OF TRAFFIC STAGING WITH ADJACENT CONTRACTOR. THE CONTRACTOR SHALL OBTAIN THE APPROVAL OF THE ENGINEER PRIOR TO A CHANGE TO THE MAINTENANCE OF TRAFFIC STAGING.

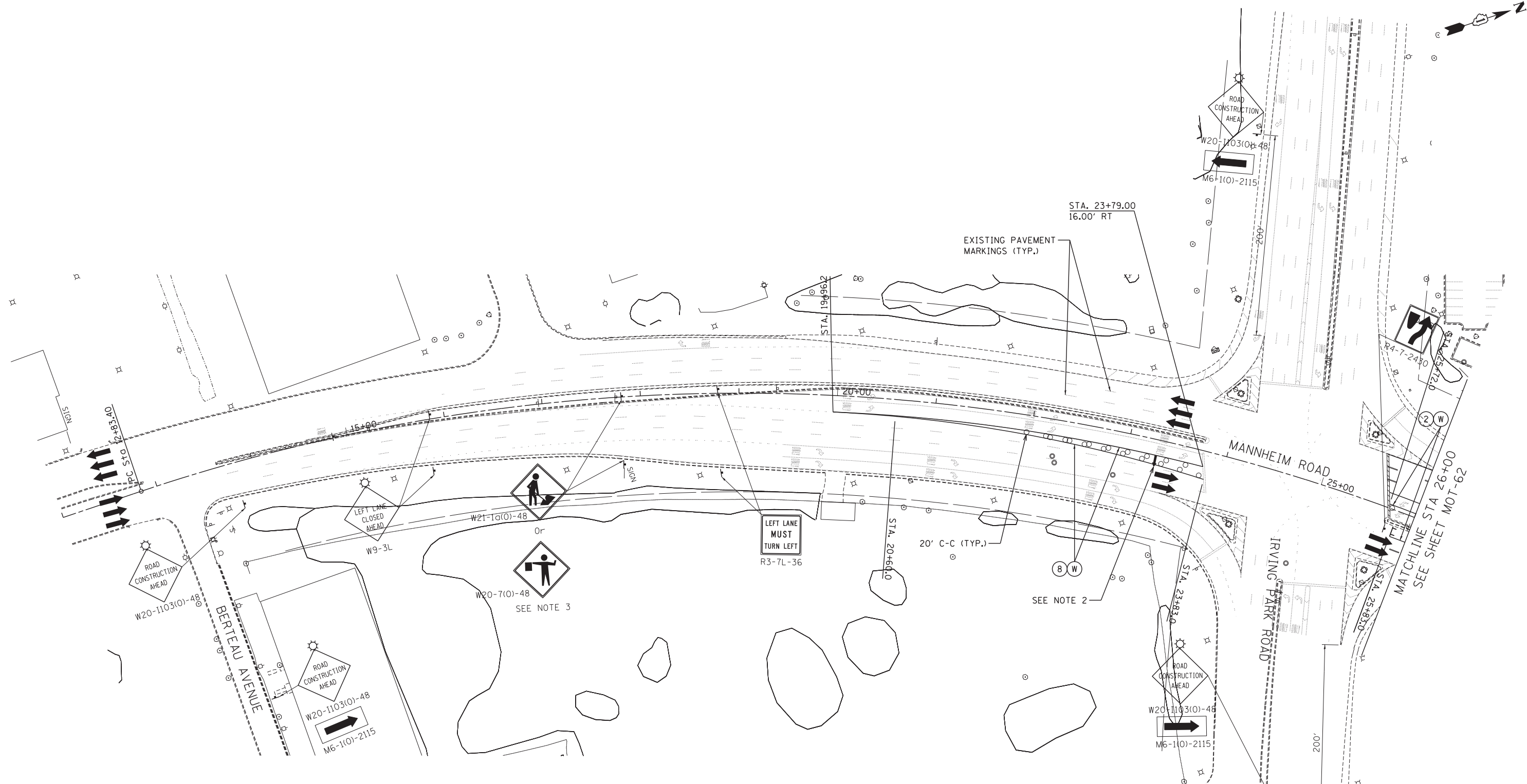
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TENG TENG & ASSOCIATES, INC. ENGINEERS/ARCHITECTS/PLANNERS CHICAGO, ILLINOIS	FILE NAME =	USER NAME = *USER*	DESIGNED - BRH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC STAGE 2 - SUB-STAGE B			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	*FILEL#		DRAWN - JZP	REVISED -		SCALE: 1"=50'	SHEET NO.	OF	SHEETS	STA. 110+00	TO STA. EOP	ILLINOIS	FED. AID PROJECT
PLOT SCALE = *SCALE*		CHECKED - KDA	REVISED -										
PLOT DATE = *DATE*		DATE - 10/19/12	REVISED -										

MOT-60

	0105 WRS&HB	COOK	605	148
CONTRACT NO. 60G37				

\D:\6037-ALIGNMENT.DGN, \D:\6037-TOPO3.DGN, \D:\6037-ROAD.DGN, \D:\6037-STAGING3.DGN, \D:\6037-SHT-STAGING3.LDGN, \D:\6037-BORDER.DGN
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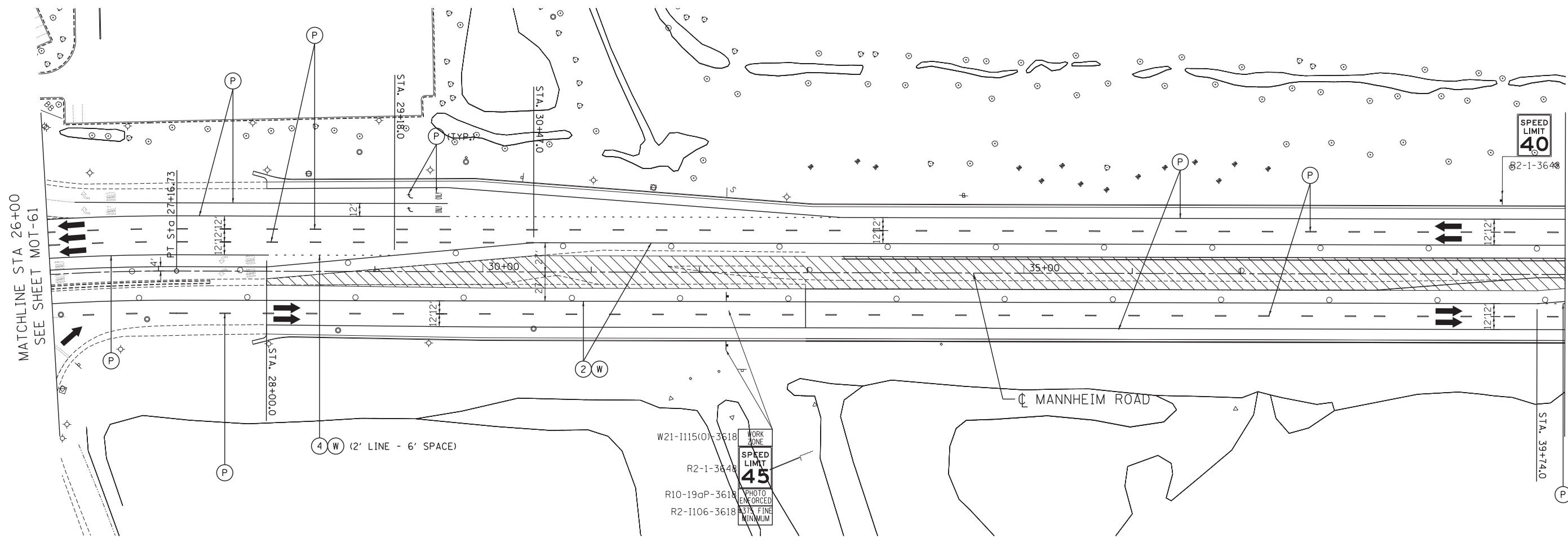
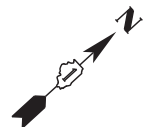
MAINTENANCE OF TRAFFIC LEGEND

	WORK AREA		TRAFFIC DIRECTION		ARROW BOARD		PVT MK - LINE 4" WHITE		PVT MK - LINE 24" WHITE
	TEMPORARY PAVEMENT (TO BE CONSTRUCTED IN CURRENT STAGE)		BARRICADE, TYPE III, W/ TYPE A BI-DIRECTIONAL FLASHING LIGHT		DOUBLE VERTICAL PANEL		PVT MK - LINE 4" YELLOW		PVT MK - LINE 8" WHITE
	TYPE II BARRICADES OR DRUMS W/ TYPE C STEADY BURN LIGHT		PROPOSED SIGN		TEMPORARY CONCRETE BARRIER		TEMP PVT MK (SEE GENERAL NOTES SHT G-03)		WET REF TEM TAPE T3 (SEE GENERAL NOTES SHT G-03)
	TYPE B MONO-DIRECTIONAL FLASHING LIGHT		RAMP CLOSED		PVT MK - LTRS & SYMB		PERM PVT MK (SEE PVT MK PLANS)		

NOTES:

- SIDEROAD, INTERSECTION, AND DRIVEWAY TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH DISTRICT DETAIL TC-10.
- ARROWBOARD SHALL BE PLACED WITHIN CLOSED PORTION OF LANE AT THE DOWNSTREAM END OF THE LANE CLOSURE TAPER.
- USE FLAGGER SIGN ONLY WHEN FLAGGER IS PRESENT.

FILE NAME = *FILEL* USER NAME = *USER* DESIGNED - BRH DRAWN - JZP CHECKED - KDA DATE - 10/19/12		REVISED - REVISED - REVISED - REVISED -		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION			MAINTENANCE OF TRAFFIC STAGE 3			F.A. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.	
PLOT SCALE = *SCALE* PLOT DATE = *DATE*		CHECKED - KDA DATE - 10/19/12		SCALE: 1"=50' SHEET NO. OF SHEETS STA. 12+00 TO STA. 26+00			COUNTY COOK TOTAL SHEETS 605		SHEET NO. 149		
				TENG & ASSOCIATES, INC. ENGINEERS/ARCHITECTS/PLANNERS CHICAGO, ILLINOIS			CONTRACT NO. 60G37			ILLINOIS FED. AID PROJECT	



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MAINTENANCE OF TRAFFIC LEGEND

	WORK AREA		TRAFFIC DIRECTION		ARROW BOARD	①	PVT MK - LINE 4" WHITE	⑦	PVT MK - LINE 24" WHITE
	TEMPORARY PAVEMENT (TO BE CONSTRUCTED IN CURRENT STAGE)		BARRICADE, TYPE III, W/ TYPE A BI-DIRECTIONAL FLASHING LIGHT		DOUBLE VERTICAL PANEL	②	PVT MK - LINE 4" YELLOW	⑧	PVT MK - LINE 8" WHITE
	TYPE II BARRICADES OR DRUMS W/ TYPE C STEADY BURN LIGHT		PROPOSED SIGN		TEMPORARY CONCRETE BARRIER	③	PVT MK - DBL 4" YELLOW	T	TEMP PVT MK (SEE GENERAL NOTES SHT G-03)
	TYPE B MONO-DIRECTIONAL FLASHING LIGHT		RAMP CLOSED		WET REF TEM TAPE T3 (SEE GENERAL NOTES SHT G-03)	④	PVT MK - LINE 6" WHITE	W	PERM PVT MK (SEE PVT MK PLANS)
						⑤	PVT MK - LINE 12"		
						⑥	PVT MK - LTRS & SYMB		

NOTE:

- SIDEROAD, INTERSECTION, AND DRIVEWAY TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH DISTRICT DETAIL TC-10.

FILE NAME = *FILEL*
TENG TENG & ASSOCIATES, INC.
 ENGINEERS/ARCHITECTS/PLANNERS
 CHICAGO, ILLINOIS

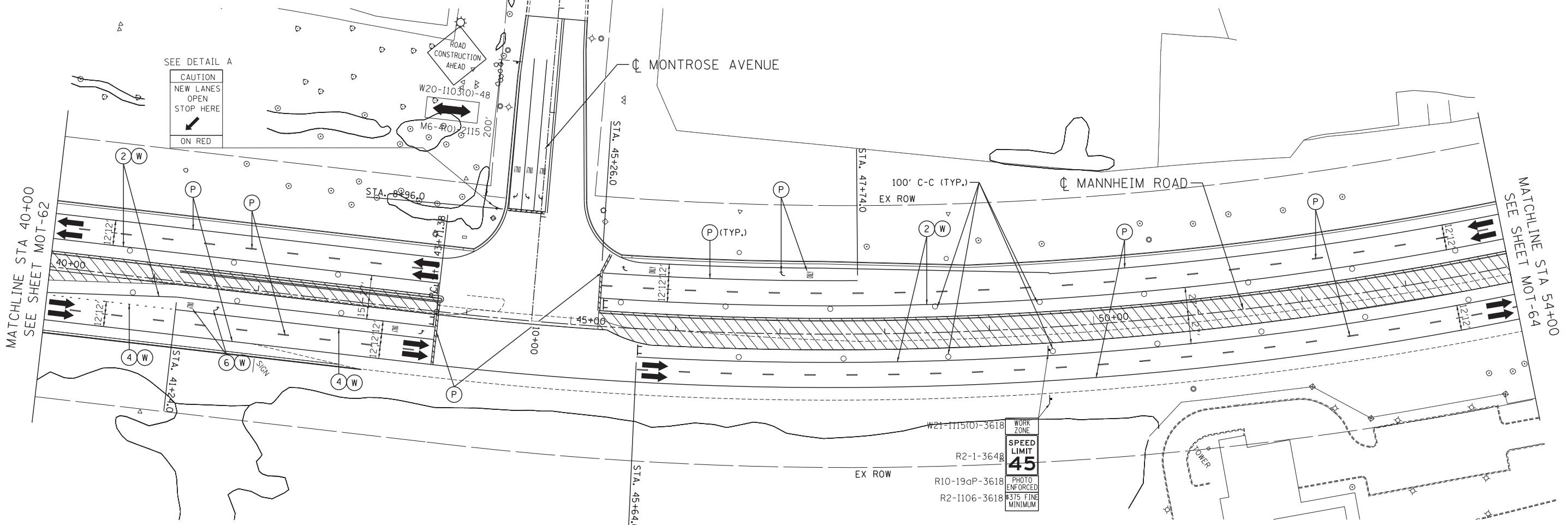
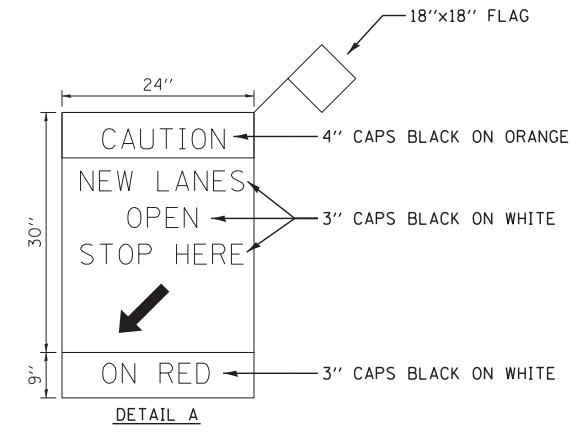
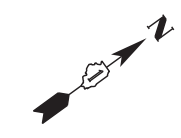
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	DATE - 10/19/12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC STAGE 3			
SCALE: 1"=50'	SHEET NO. OF SHEETS	STA. 26+00 TO STA. 40+00	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0105 WRS&HB	COOK	605	150
CONTRACT NO. 60G37				
ILLINOIS FED. AID PROJECT				

MOT-62



MAINTENANCE OF TRAFFIC LEGEND

	WORK AREA		TRAFFIC DIRECTION		ARROW BOARD	①	PVT MK - LINE 4" WHITE	⑦	PVT MK - LINE 24" WHITE
	TEMPORARY PAVEMENT (TO BE CONSTRUCTED IN CURRENT STAGE)		BARRICADE, TYPE III, W/ TYPE A BI-DIRECTIONAL FLASHING LIGHT		DOUBLE VERTICAL PANEL	②	PVT MK - LINE 4" YELLOW	⑧	PVT MK - LINE 8" WHITE
	TYPE II BARRICADES OR DRUMS W/ TYPE C STEADY BURN LIGHT		PROPOSED SIGN		TEMPORARY CONCRETE BARRIER	③	PVT MK - DBL 4" YELLOW	⑨	TEMP PVT MK (SEE GENERAL NOTES SHT G-03)
	TYPE B MONO-DIRECTIONAL FLASHING LIGHT		RAMP CLOSED		WET REF TEM TAPE T3 (SEE GENERAL NOTES SHT G-03)	④	PVT MK - LINE 6" WHITE	⑩	PERM PVT MK (SEE PVT MK PLANS)
						⑤	PVT MK - LINE 12"		
						⑥	PVT MK - LTRS & SYMB		

NOTES:

- SIDEROAD, INTERSECTION, AND DRIVEWAY TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH DISTRICT DETAIL TC-10.

\\GLOBETROTTERS\ENR\10-18-2012\13149457... \D160637-ALIGNMENT.DGN, \D160637-TOPOS3.DGN, \D160637-ROAD.DGN, \D160637-STAGING3.DGN, \D160637-STAGING4.DGN, \D160637-STAGING5.DGN, \D160637-STAGING6.DGN, \D160637-STAGING7.DGN, \D160637-STAGING8.DGN, \D160637-STAGING9.DGN, \D160637-STAGING10.DGN, \D160637-STAGING11.DGN, \D160637-STAGING12.DGN, \D160637-STAGING13.DGN, \D160637-STAGING14.DGN, \D160637-STAGING15.DGN, \D160637-STAGING16.DGN, \D160637-STAGING17.DGN, \D160637-STAGING18.DGN, \D160637-STAGING19.DGN, \D160637-STAGING20.DGN, \D160637-STAGING21.DGN, \D160637-STAGING22.DGN, \D160637-STAGING23.DGN, \D160637-STAGING24.DGN, \D160637-STAGING25.DGN, \D160637-STAGING26.DGN, \D160637-STAGING27.DGN, \D160637-STAGING28.DGN, \D160637-STAGING29.DGN, \D160637-STAGING30.DGN, \D160637-STAGING31.DGN, \D160637-STAGING32.DGN, \D160637-STAGING33.DGN, \D160637-STAGING34.DGN, \D160637-STAGING35.DGN, \D160637-STAGING36.DGN, \D160637-STAGING37.DGN, \D160637-STAGING38.DGN, \D160637-STAGING39.DGN, \D160637-STAGING40.DGN, \D160637-STAGING41.DGN, \D160637-STAGING42.DGN, \D160637-STAGING43.DGN, \D160637-STAGING44.DGN, \D160637-STAGING45.DGN, \D160637-STAGING46.DGN, \D160637-STAGING47.DGN, \D160637-STAGING48.DGN, \D160637-STAGING49.DGN, \D160637-STAGING50.DGN, \D160637-STAGING51.DGN, \D160637-STAGING52.DGN, \D160637-STAGING53.DGN, \D160637-STAGING54.DGN, \D160637-STAGING55.DGN, \D160637-STAGING56.DGN, \D160637-STAGING57.DGN, \D160637-STAGING58.DGN, \D160637-STAGING59.DGN, \D160637-STAGING60.DGN, \D160637-STAGING61.DGN, \D160637-STAGING62.DGN, \D160637-STAGING63.DGN, \D160637-STAGING64.DGN, \D160637-STAGING65.DGN, \D160637-STAGING66.DGN, \D160637-STAGING67.DGN, \D160637-STAGING68.DGN, \D160637-STAGING69.DGN, \D160637-STAGING70.DGN, \D160637-STAGING71.DGN, \D160637-STAGING72.DGN, \D160637-STAGING73.DGN, \D160637-STAGING74.DGN, \D160637-STAGING75.DGN, \D160637-STAGING76.DGN, \D160637-STAGING77.DGN, \D160637-STAGING78.DGN, \D160637-STAGING79.DGN, \D160637-STAGING80.DGN, \D160637-STAGING81.DGN, \D160637-STAGING82.DGN, \D160637-STAGING83.DGN, \D160637-STAGING84.DGN, \D160637-STAGING85.DGN, \D160637-STAGING86.DGN, \D160637-STAGING87.DGN, \D160637-STAGING88.DGN, \D160637-STAGING89.DGN, \D160637-STAGING90.DGN, \D160637-STAGING91.DGN, \D160637-STAGING92.DGN, \D160637-STAGING93.DGN, \D160637-STAGING94.DGN, \D160637-STAGING95.DGN, \D160637-STAGING96.DGN, \D160637-STAGING97.DGN, \D160637-STAGING98.DGN, \D160637-STAGING99.DGN, \D160637-STAGING100.DGN

Globetrotters
 Engineering Corporation
 300 South Wacker Drive
 Chicago, Illinois 60606
TENG TENG & ASSOCIATES, INC.
 ENGINEERS/ARCHITECTS/PLANNERS
 CHICAGO, ILLINOIS

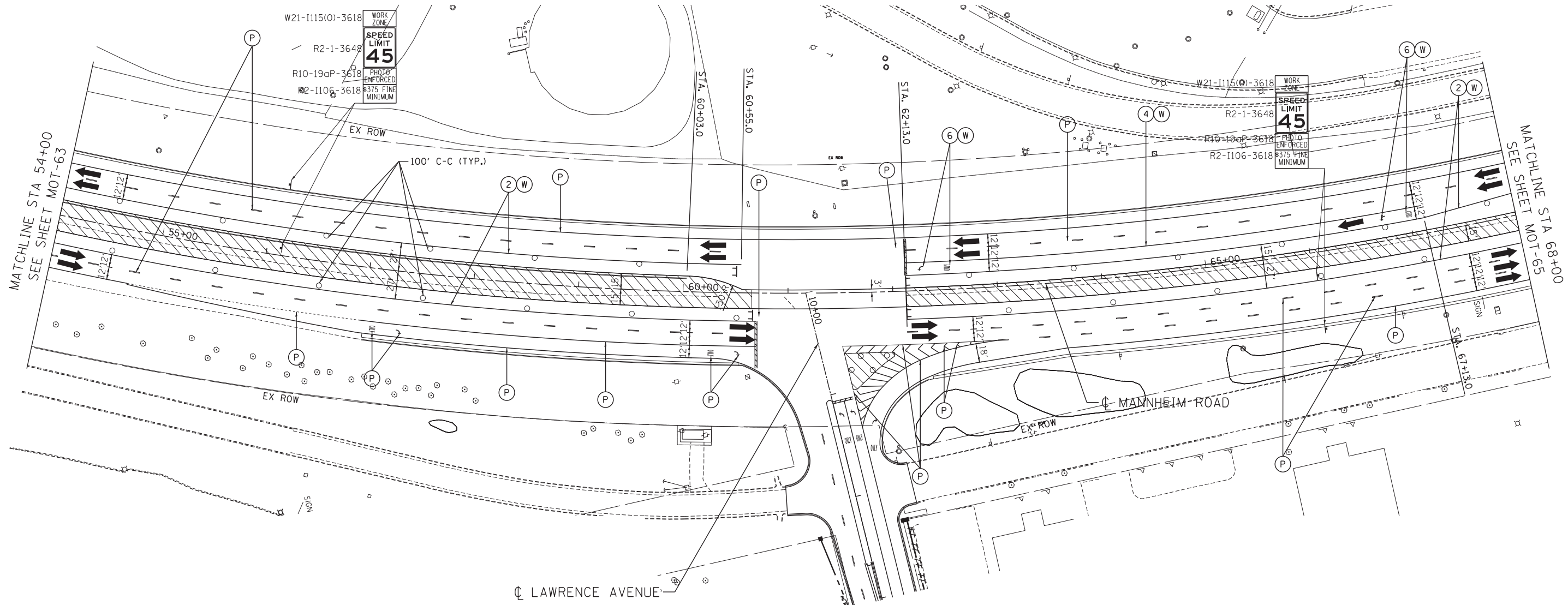
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	DATE - 10/19/12	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC STAGE 3			
SCALE: 1"=50'	SHEET NO. OF SHEETS	STA. 40+00 TO STA. 54+00	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0105 WRS&HB	COOK	605	151
CONTRACT NO. 60G37				
ILLINOIS FED. AID PROJECT				

MOT-63



MAINTENANCE OF TRAFFIC LEGEND

	WORK AREA		TRAFFIC DIRECTION		ARROW BOARD		1 PVT MK - LINE 4" WHITE		7 PVT MK - LINE 24" WHITE
	TEMPORARY PAVEMENT (TO BE CONSTRUCTED IN CURRENT STAGE)		BARRICADE, TYPE III, W/ TYPE A BI-DIRECTIONAL FLASHING LIGHT		DOUBLE VERTICAL PANEL		2 PVT MK - LINE 4" YELLOW		8 PVT MK - LINE 8" WHITE
	TYPE II BARRICADES OR DRUMS W/ TYPE C STEADY BURN LIGHT		PROPOSED SIGN		TEMPORARY CONCRETE BARRIER		3 PVT MK - DBL 4" YELLOW		T TEMP PVT MK (SEE GENERAL NOTES SHT G-03)
	TYPE B MONO-DIRECTIONAL FLASHING LIGHT		RAMP CLOSED		4 PVT MK - LINE 6" WHITE		5 PVT MK - LINE 12"		W WET REF TEM TAPE T3 (SEE GENERAL NOTES SHT G-03)
					6 PVT MK - LTRS & SYMB		P PERM PVT MK (SEE PVT MK PLANS)		

NOTE:

- SIDEROAD, INTERSECTION, AND DRIVEWAY TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH DISTRICT DETAIL TC-10.

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TENG TENG & ASSOCIATES, INC.
ENGINEERS/ARCHITECTS/PLANNERS
CHICAGO, ILLINOIS

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
STAGE 3**

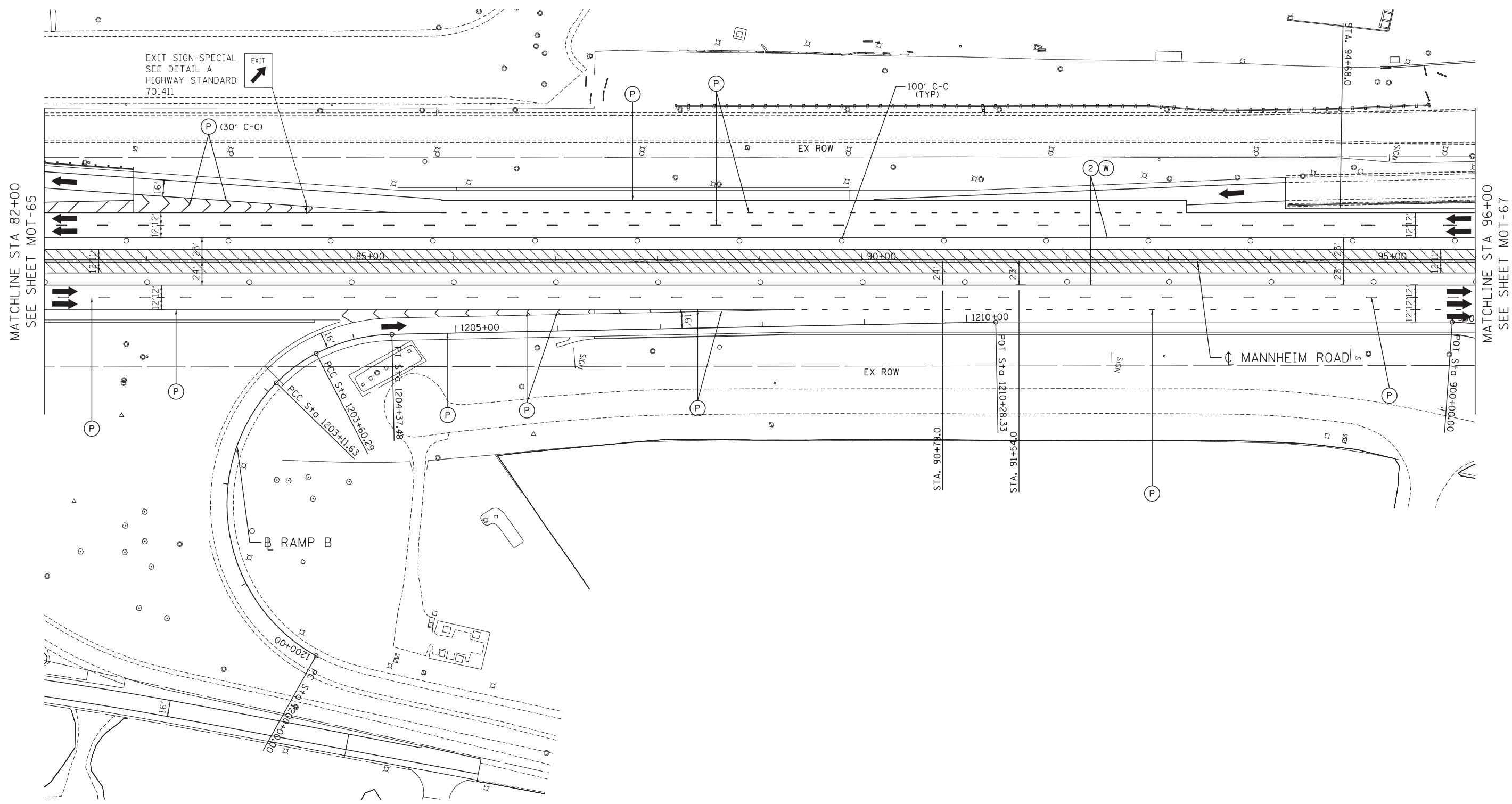
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0105 WRS&HB	COOK	605	152
CONTRACT NO. 60G37				
ILLINOIS FED. AID PROJECT				

MOT-64

MAINTENANCE OF TRAFFIC LEGEND

	WORK AREA		TRAFFIC DIRECTION		ARROW BOARD		1 PVT MK - LINE 4" WHITE		7 PVT MK - LINE 24" WHITE
	TEMPORARY PAVEMENT (TO BE CONSTRUCTED IN CURRENT STAGE)		BARRICADE, TYPE III, W/ TYPE A BI-DIRECTIONAL FLASHING LIGHT		DOUBLE VERTICAL PANEL		2 PVT MK - LINE 4" YELLOW		8 PVT MK - LINE 8" WHITE
			TYPE II BARRICADES OR DRUMS W/ TYPE C STEADY BURN LIGHT		PROPOSED SIGN		3 PVT MK - DBL 4" YELLOW		T TEMP PVT MK (SEE GENERAL NOTES SHT G-03)
			TYPE B MONO-DIRECTIONAL FLASHING LIGHT		TEMPORARY CONCRETE BARRIER		4 PVT MK - LINE 6" WHITE		W WET REF TEM TAPE T3 (SEE GENERAL NOTES SHT G-03)
					RAMP CLOSED		5 PVT MK - LINE 12"		P PERM PVT MK (SEE PVT MK PLANS)
							6 PVT MK - LTRS & SYMB		



MATCHLINE STA 82+00
SEE SHEET MOT-65

MATCHLINE STA 96+00
SEE SHEET MOT-67

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 \\0160637-CONTRACTOR-PLAN-SET.DGN, \\0160637-CONTRACTOR-PLAN-SET-TEMP.DGN, \\0160637-CONTRACTOR-PLAN-SET-TEMP.DGN

TENG TENG & ASSOCIATES, INC.
ENGINEERS/ARCHITECTS/PLANNERS
CHICAGO, ILLINOIS

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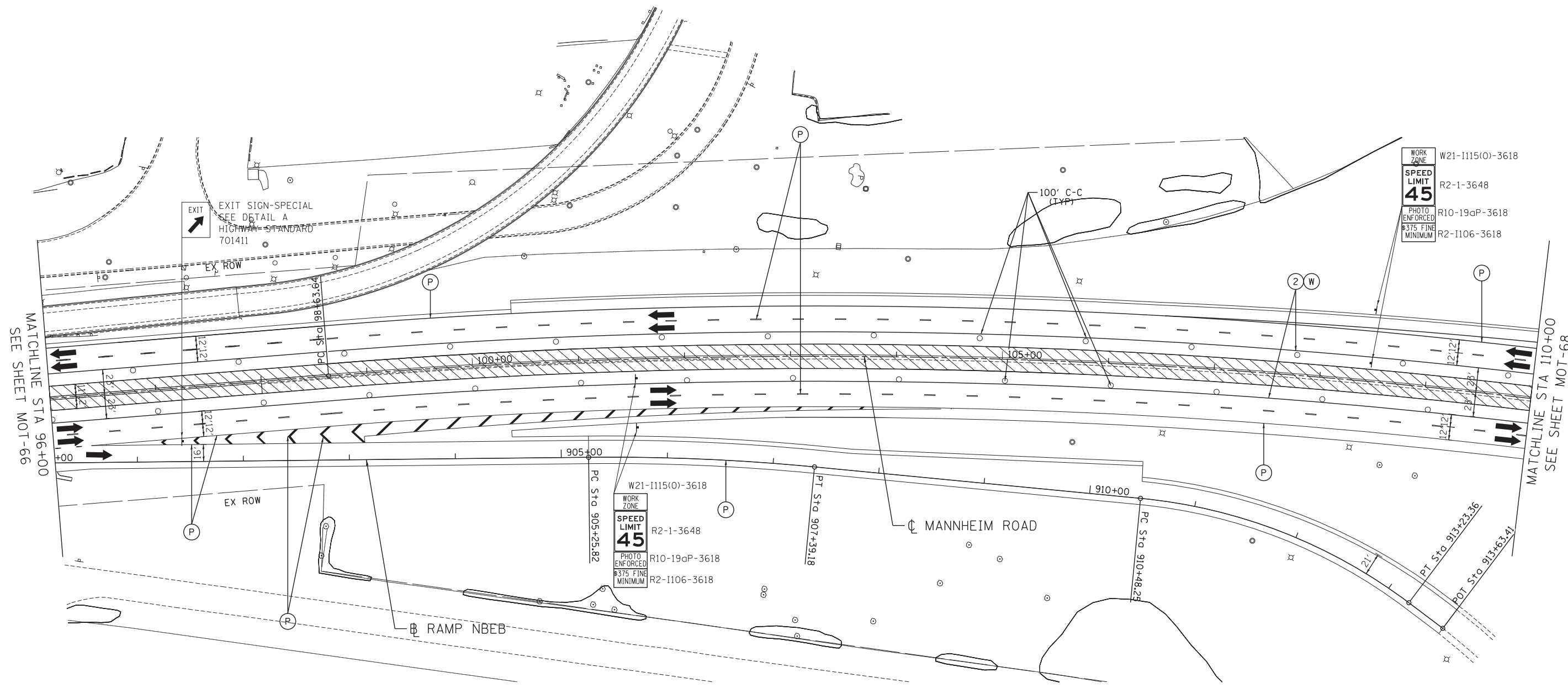
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
STAGE 3

SCALE: 1"=50' SHEET NO. OF SHEETS STA. 82+00 TO STA. 96+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0105 WRS&HB	COOK	605	154
CONTRACT NO. 60G37				
ILLINOIS FED. AID PROJECT				

MOT-66



EXIT SIGN-SPECIAL
SEE DETAIL A
HIGHWAY STANDARD
701411

WORK ZONE W21-1115(0)-3618
SPEED LIMIT 45 R2-1-3648
PHOTO ENFORCED R10-19aP-3618
\$375 FINE MINIMUM R2-1106-3618

WORK ZONE W21-1115(0)-3618
SPEED LIMIT 45 R2-1-3648
PHOTO ENFORCED R10-19aP-3618
\$375 FINE MINIMUM R2-1106-3618

MAINTENANCE OF TRAFFIC LEGEND

	WORK AREA		TRAFFIC DIRECTION		ARROW BOARD	①	PVT MK - LINE 4" WHITE	⑦	PVT MK - LINE 24" WHITE
	TEMPORARY PAVEMENT (TO BE CONSTRUCTED IN CURRENT STAGE)		BARRICADE, TYPE III, W/ TYPE A BI-DIRECTIONAL FLASHING LIGHT		DOUBLE VERTICAL PANEL	②	PVT MK - LINE 4" YELLOW	⑧	PVT MK - LINE 8" WHITE
	TYPE II BARRICADES OR DRUMS W/ TYPE C STEADY BURN LIGHT		PROPOSED SIGN		TEMPORARY CONCRETE BARRIER	③	PVT MK - DBL 4" YELLOW	T	TEMP PVT MK (SEE GENERAL NOTES SHT G-03)
	TYPE B MONO-DIRECTIONAL FLASHING LIGHT		RAMP CLOSED		WET REF TEM TAPE T3 (SEE GENERAL NOTES SHT G-03)	④	PVT MK - LINE 6" WHITE	W	PERM PVT MK (SEE PVT MK PLANS)
						⑤	PVT MK - LINE 12"		
						⑥	PVT MK - LTRS & SYMB		

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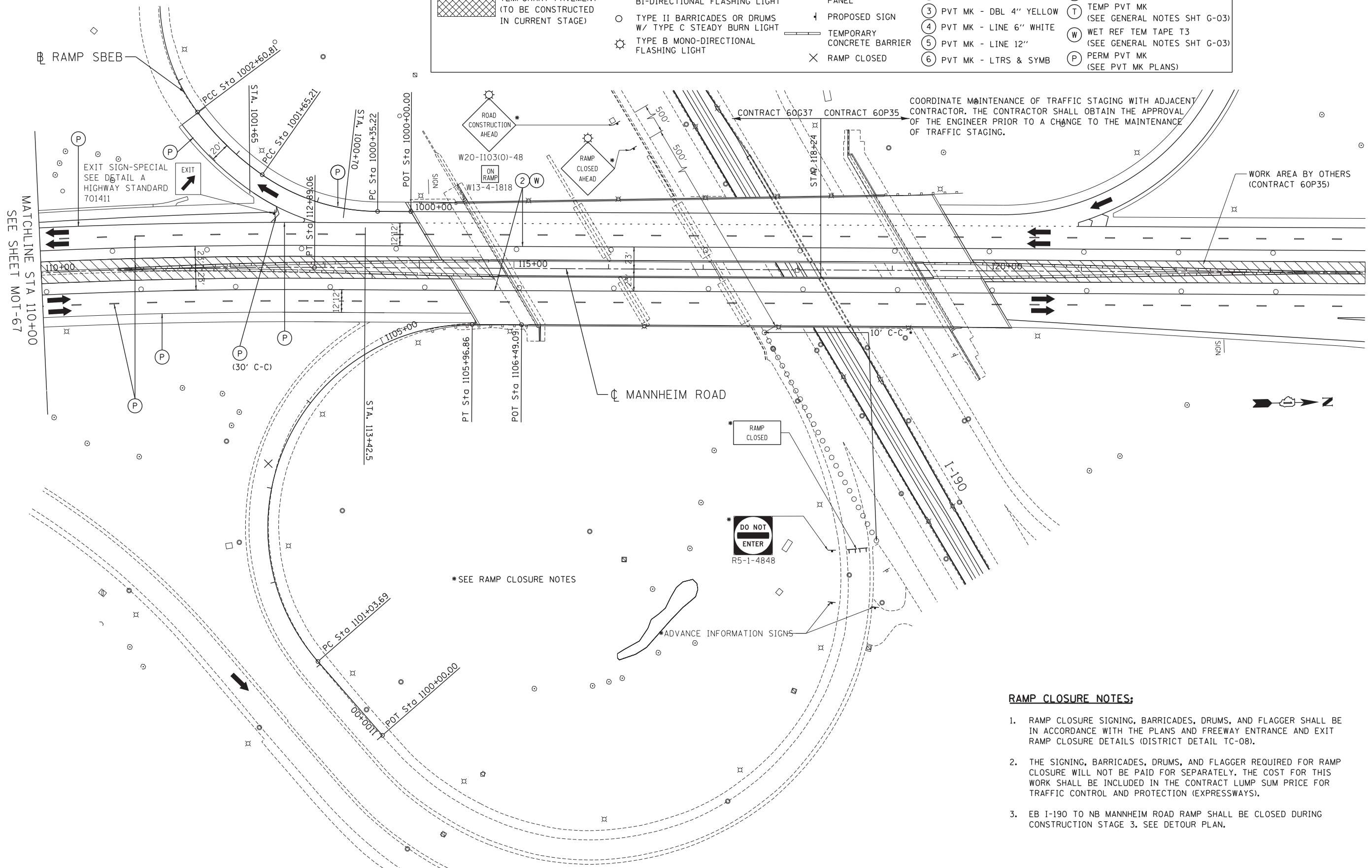
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC STAGE 3			
SCALE: 1"=50'	SHEET NO.	OF SHEETS	STA. 96+00 TO STA. 110+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0105 WRS&HB	COOK	605	155
ILLINOIS FED. AID PROJECT				CONTRACT NO. 60G37

MAINTENANCE OF TRAFFIC LEGEND

	WORK AREA		TRAFFIC DIRECTION		ARROW BOARD		① PVT MK - LINE 4" WHITE		⑦ PVT MK - LINE 24" WHITE
	TEMPORARY PAVEMENT (TO BE CONSTRUCTED IN CURRENT STAGE)		BARRICADE, TYPE III, W/ TYPE A BI-DIRECTIONAL FLASHING LIGHT		DOUBLE VERTICAL PANEL		② PVT MK - LINE 4" YELLOW		⑧ PVT MK - LINE 8" WHITE
	TYPE II BARRICADES OR DRUMS W/ TYPE C STEADY BURN LIGHT		PROPOSED SIGN		TEMPORARY CONCRETE BARRIER		③ PVT MK - DBL 4" YELLOW		T TEMP PVT MK (SEE GENERAL NOTES SHT G-03)
	TYPE B MONO-DIRECTIONAL FLASHING LIGHT		RAMP CLOSED		RAMP CLOSED		④ PVT MK - LINE 6" WHITE		W WET REF TEM TAPE T3 (SEE GENERAL NOTES SHT G-03)
			⑤ PVT MK - LINE 12"		⑥ PVT MK - LTRS & SYMB		P PERM PVT MK (SEE PVT MK PLANS)		



COORDINATE MAINTENANCE OF TRAFFIC STAGING WITH ADJACENT CONTRACTOR. THE CONTRACTOR SHALL OBTAIN THE APPROVAL OF THE ENGINEER PRIOR TO A CHANGE TO THE MAINTENANCE OF TRAFFIC STAGING.

RAMP CLOSURE NOTES:

1. RAMP CLOSURE SIGNING, BARRICADES, DRUMS, AND FLAGGER SHALL BE IN ACCORDANCE WITH THE PLANS AND FREEWAY ENTRANCE AND EXIT RAMP CLOSURE DETAILS (DISTRICT DETAIL TC-08).
2. THE SIGNING, BARRICADES, DRUMS, AND FLAGGER REQUIRED FOR RAMP CLOSURE WILL NOT BE PAID FOR SEPARATELY. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE CONTRACT LUMP SUM PRICE FOR TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
3. EB I-190 TO NB MANNHEIM ROAD RAMP SHALL BE CLOSED DURING CONSTRUCTION STAGE 3. SEE DETOUR PLAN.

FILE NAME = ... USER NAME = *USER* ... DESIGNED - BRH ... REVISED - ... DRAWN - JZP ... REVISED - ... CHECKED - KDA ... REVISED - ... DATE - 10/19/12 ... REVISED - ...



FILE NAME =	USER NAME = *USER*	DESIGNED - BRH	REVISED -
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	PLOT SCALE = *SCALE*	CHECKED - KDA	REVISED -
	PLOT DATE = *DATE*	DATE - 10/19/12	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

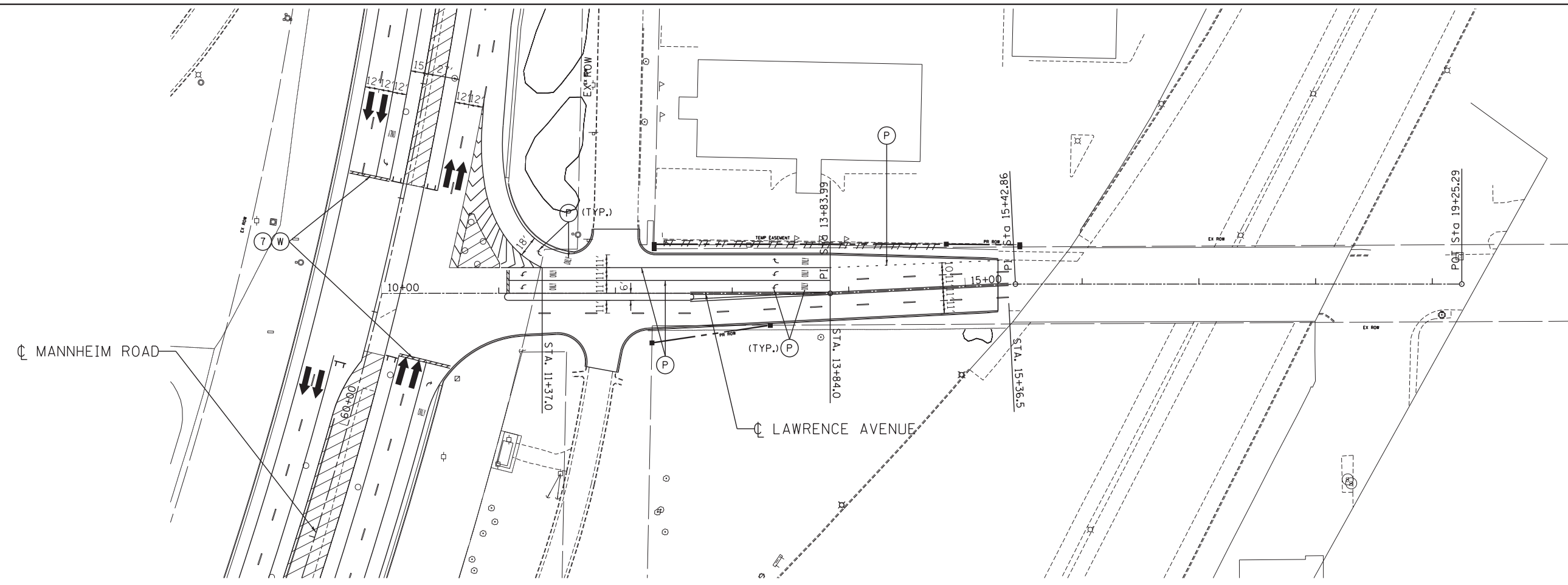
**MAINTENANCE OF TRAFFIC
STAGE 3**

SCALE: 1"=50' SHEET NO. OF SHEETS STA. 110+00 TO STA. EOP

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0105 WRS&HB	COOK	605	156
CONTRACT NO. 60G37				
ILLINOIS FED. AID PROJECT				

MOT-68

\\GLOBETROTTERS\ENGIN\CHICAGO\COMMON\SET\TEMP\STAGING3\STAGING3_9.DGN F:\DOC\EXP\CHI-00012584-02\COMMON\SET\TEMP\STAGING3_9.DGN



STAGE 3

MAINTENANCE OF TRAFFIC LEGEND

	WORK AREA		TRAFFIC DIRECTION		ARROW BOARD		PVT MK - LINE 4" WHITE		PVT MK - LINE 24" WHITE
	TEMPORARY PAVEMENT (TO BE CONSTRUCTED IN CURRENT STAGE)		BARRICADE, TYPE III, W/ TYPE A BI-DIRECTIONAL FLASHING LIGHT		DOUBLE VERTICAL PANEL		PVT MK - LINE 4" YELLOW		PVT MK - LINE 8" WHITE
	TYPE II BARRICADES OR DRUMS W/ TYPE C STEADY BURN LIGHT		PROPOSED SIGN		TEMPORARY CONCRETE BARRIER		PVT MK - DBL 4" YELLOW		TEMP PVT MK (SEE GENERAL NOTES SHT G-03)
	TYPE B MONO-DIRECTIONAL FLASHING LIGHT		RAMP CLOSED				PVT MK - LINE 6" WHITE		WET REF TEM TAPE T3 (SEE GENERAL NOTES SHT G-03)
							PVT MK - LINE 12"		PERM PVT MK (SEE PVT MK PLANS)
							PVT MK - LTRS & SYMB		

Globetrotters
Engineering Corporation
300 South Wacker Drive
Chicago, IL 60606
ENGINEERS ARCHITECTS

TENG TENG & ASSOCIATES, INC.
ENGINEERS/ARCHITECTS/PLANNERS
CHICAGO, ILLINOIS

USER NAME = *USER*	DESIGNED - BRH	REVISED -
PLOT SCALE = *SCALE*	DRAWN - JZP	REVISED -
PLOT DATE = *DATE*	CHECKED - KDA	REVISED -
	DATE - 10/19/12	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC STAGE 3 LAWRENCE AVENUE			
SCALE: 1"=50'	SHEET NO.	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0105 WRS&HB	COOK	605	157
CONTRACT NO. 60G37				
ILLINOIS FED. AID PROJECT				

MOT-69

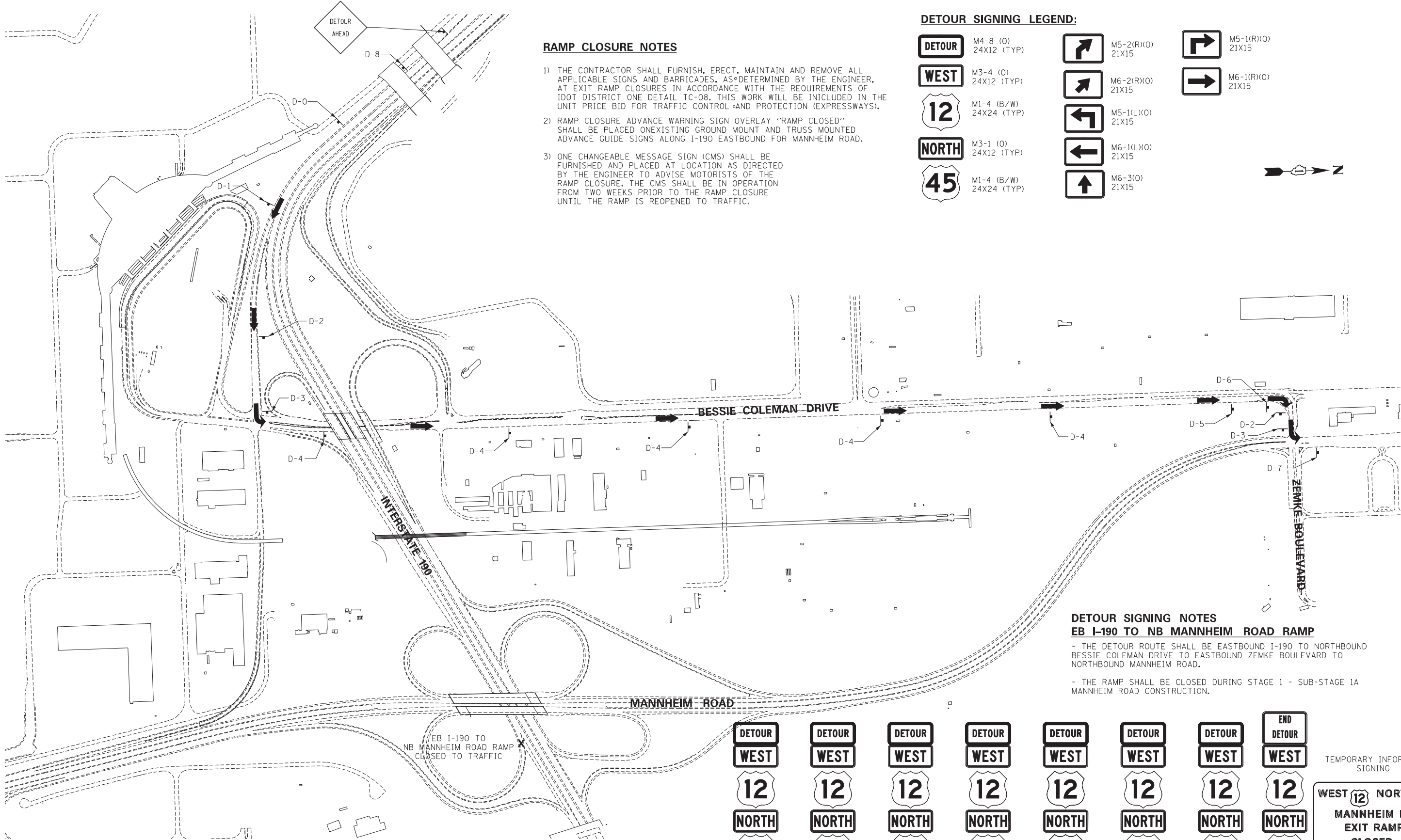
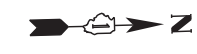
DETOUR AHEAD

RAMP CLOSURE NOTES

- 1) THE CONTRACTOR SHALL FURNISH, ERECT, MAINTAIN AND REMOVE ALL APPLICABLE SIGNS AND BARRICADES, AS DETERMINED BY THE ENGINEER, AT EXIT RAMP CLOSURES IN ACCORDANCE WITH THE REQUIREMENTS OF IDOT DISTRICT ONE DETAIL TC-08. THIS WORK WILL BE INCLUDED IN THE UNIT PRICE BID FOR TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
- 2) RAMP CLOSURE ADVANCE WARNING SIGN OVERLAY "RAMP CLOSED" SHALL BE PLACED ON EXISTING GROUND MOUNT AND TRUSS MOUNTED ADVANCE GUIDE SIGNS ALONG I-190 EASTBOUND FOR MANNHEIM ROAD.
- 3) ONE CHANGEABLE MESSAGE SIGN (CMS) SHALL BE FURNISHED AND PLACED AT LOCATION AS DIRECTED BY THE ENGINEER TO ADVISE MOTORISTS OF THE RAMP CLOSURE. THE CMS SHALL BE IN OPERATION FROM TWO WEEKS PRIOR TO THE RAMP CLOSURE UNTIL THE RAMP IS REOPENED TO TRAFFIC.

DETOUR SIGNING LEGEND:

DETOUR M4-8 (O) 24X12 (TYP)		M5-2(R)(O) 21X15		M5-1(R)(O) 21X15
WEST M3-4 (O) 24X12 (TYP)		M6-2(R)(O) 21X15		M6-1(R)(O) 21X15
12 M1-4 (B/W) 24X24 (TYP)		M5-1(L)(O) 21X15		
NORTH M3-1 (O) 24X12 (TYP)		M6-1(L)(O) 21X15		
45 M1-4 (B/W) 24X24 (TYP)		M6-3(O) 21X15		



DETOUR SIGNING NOTES

- EB I-190 TO NB MANNHEIM ROAD RAMP**
- THE DETOUR ROUTE SHALL BE EASTBOUND I-190 TO NORTHBOUND BESSIE COLEMAN DRIVE TO EASTBOUND ZEMKE BOULEVARD TO NORTHBOUND MANNHEIM ROAD.
 - THE RAMP SHALL BE CLOSED DURING STAGE 1 - SUB-STAGE 1A MANNHEIM ROAD CONSTRUCTION.

DETOUR WEST	DETOUR WEST	DETOUR WEST	DETOUR WEST	DETOUR WEST	DETOUR WEST	DETOUR WEST	END DETOUR WEST
12	12	12	12	12	12	12	12
NORTH	NORTH	NORTH	NORTH	NORTH	NORTH	NORTH	NORTH
45	45	45	45	45	45	45	45
D-0	D-1	D-2	D-3	D-4	D-5	D-6	D-7

TEMPORARY INFORMATION SIGNING

WEST 12 NORTH 45

MANNHEIM RD. EXIT RAMP CLOSED FOLLOW DETOUR

D-8
SEE SHEET TIS-08 FOR DETAIL

DTR-01

FILE NAME =	USER NAME = \$USER\$	DESIGNED - BRH	REVISED -
\$FILEL\$		DRAWN - JZP	REVISED -
	PLOT SCALE = \$SCALE\$	CHECKED - KDA	REVISED -
	PLOT DATE = \$DATE\$	DATE - 10/19/12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETOUR PLAN
EB I-190 TO NB MANNHEIM ROAD

SCALE: 1"=300' SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0105 WRS&HB	COOK	605	158
CONTRACT NO. 60G37				
ILLINOIS FED. AID PROJECT				



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CHICAGO, ILLINOIS

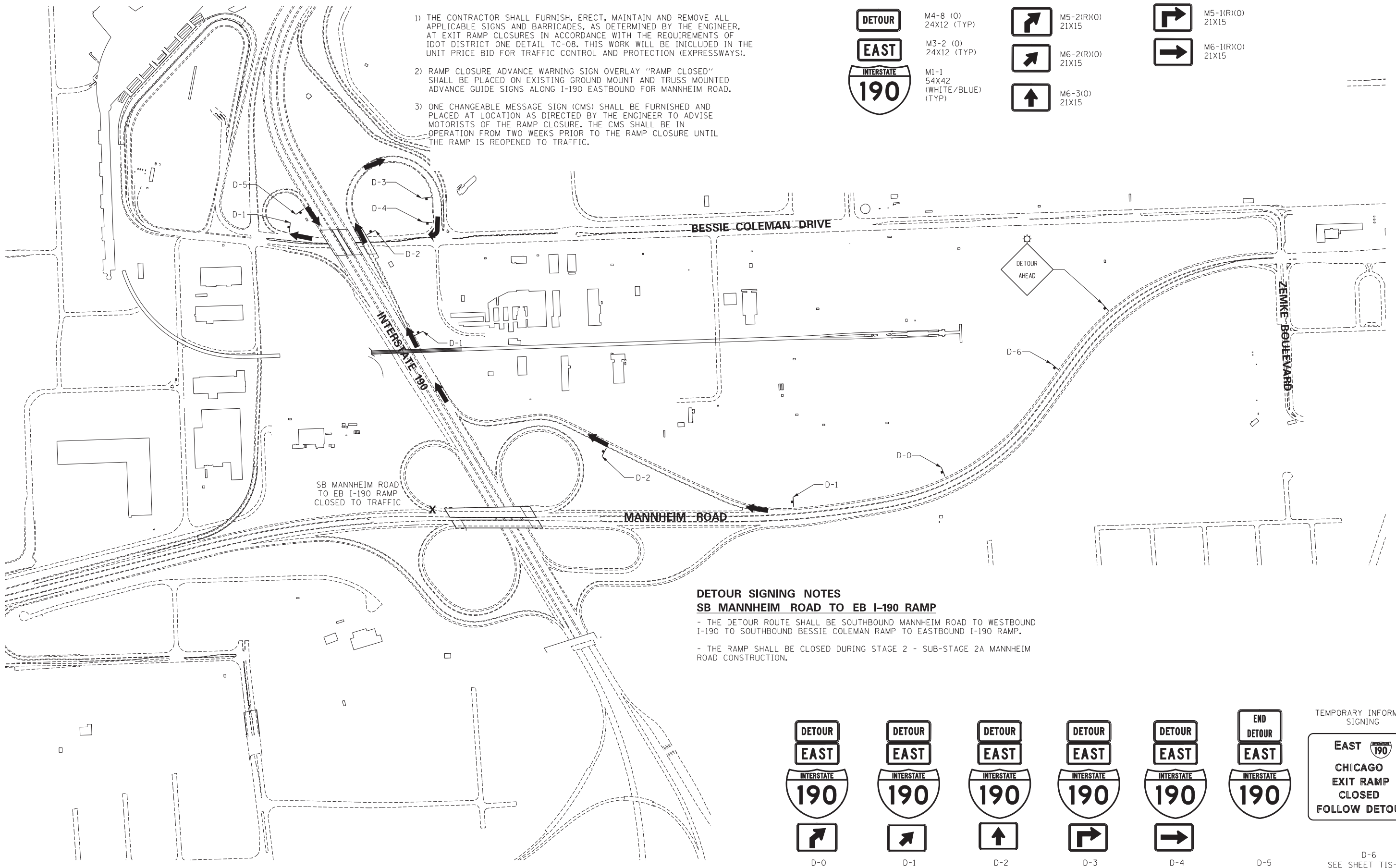
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RAMP CLOSURE NOTES

- 1) THE CONTRACTOR SHALL FURNISH, ERECT, MAINTAIN AND REMOVE ALL APPLICABLE SIGNS AND BARRICADES, AS DETERMINED BY THE ENGINEER, AT EXIT RAMP CLOSURES IN ACCORDANCE WITH THE REQUIREMENTS OF IDOT DISTRICT ONE DETAIL TC-08. THIS WORK WILL BE INCLUDED IN THE UNIT PRICE BID FOR TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
- 2) RAMP CLOSURE ADVANCE WARNING SIGN OVERLAY "RAMP CLOSED" SHALL BE PLACED ON EXISTING GROUND MOUNT AND TRUSS MOUNTED ADVANCE GUIDE SIGNS ALONG I-190 EASTBOUND FOR MANNHEIM ROAD.
- 3) ONE CHANGEABLE MESSAGE SIGN (CMS) SHALL BE FURNISHED AND PLACED AT LOCATION AS DIRECTED BY THE ENGINEER TO ADVISE MOTORISTS OF THE RAMP CLOSURE. THE CMS SHALL BE IN OPERATION FROM TWO WEEKS PRIOR TO THE RAMP CLOSURE UNTIL THE RAMP IS REOPENED TO TRAFFIC.

DETOUR SIGNING LEGEND:

	M4-8 (0) 24X12 (TYP)		M5-2(R)(0) 21X15		M5-1(R)(0) 21X15
	M3-2 (0) 24X12 (TYP)		M6-2(R)(0) 21X15		M6-1(R)(0) 21X15
	M1-1 54X42 (WHITE/BLUE) (TYP)		M6-3(0) 21X15		



**DETOUR SIGNING NOTES
SB MANNHEIM ROAD TO EB I-190 RAMP**

- THE DETOUR ROUTE SHALL BE SOUTHBOUND MANNHEIM ROAD TO WESTBOUND I-190 TO SOUTHBOUND BESSIE COLEMAN RAMP TO EASTBOUND I-190 RAMP.
- THE RAMP SHALL BE CLOSED DURING STAGE 2 - SUB-STAGE 2A MANNHEIM ROAD CONSTRUCTION.

D-0	D-1	D-2	D-3	D-4	D-5

TEMPORARY INFORMATION SIGNING

D-6
SEE SHEET TIS-08 FOR DETAIL

\\N190-MASTER_TOP0.DGN, \\N190-MASTER_01.DGN, \\N190-MASTER_02.DGN, \\N190-MASTER_03.DGN, \\N190-MASTER_04.DGN, \\N190-MASTER_05.DGN, \\N190-MASTER_06.DGN, \\N190-MASTER_07.DGN, \\N190-MASTER_08.DGN, \\N190-MASTER_09.DGN, \\N190-MASTER_10.DGN, \\N190-MASTER_11.DGN, \\N190-MASTER_12.DGN, \\N190-MASTER_13.DGN, \\N190-MASTER_14.DGN, \\N190-MASTER_15.DGN, \\N190-MASTER_16.DGN, \\N190-MASTER_17.DGN, \\N190-MASTER_18.DGN, \\N190-MASTER_19.DGN, \\N190-MASTER_20.DGN, \\N190-MASTER_21.DGN, \\N190-MASTER_22.DGN, \\N190-MASTER_23.DGN, \\N190-MASTER_24.DGN, \\N190-MASTER_25.DGN, \\N190-MASTER_26.DGN, \\N190-MASTER_27.DGN, \\N190-MASTER_28.DGN, \\N190-MASTER_29.DGN, \\N190-MASTER_30.DGN, \\N190-MASTER_31.DGN, \\N190-MASTER_32.DGN, \\N190-MASTER_33.DGN, \\N190-MASTER_34.DGN, \\N190-MASTER_35.DGN, \\N190-MASTER_36.DGN, \\N190-MASTER_37.DGN, \\N190-MASTER_38.DGN, \\N190-MASTER_39.DGN, \\N190-MASTER_40.DGN, \\N190-MASTER_41.DGN, \\N190-MASTER_42.DGN, \\N190-MASTER_43.DGN, \\N190-MASTER_44.DGN, \\N190-MASTER_45.DGN, \\N190-MASTER_46.DGN, \\N190-MASTER_47.DGN, \\N190-MASTER_48.DGN, \\N190-MASTER_49.DGN, \\N190-MASTER_50.DGN, \\N190-MASTER_51.DGN, \\N190-MASTER_52.DGN, \\N190-MASTER_53.DGN, \\N190-MASTER_54.DGN, \\N190-MASTER_55.DGN, \\N190-MASTER_56.DGN, \\N190-MASTER_57.DGN, \\N190-MASTER_58.DGN, \\N190-MASTER_59.DGN, \\N190-MASTER_60.DGN, \\N190-MASTER_61.DGN, \\N190-MASTER_62.DGN, \\N190-MASTER_63.DGN, \\N190-MASTER_64.DGN, \\N190-MASTER_65.DGN, \\N190-MASTER_66.DGN, \\N190-MASTER_67.DGN, \\N190-MASTER_68.DGN, \\N190-MASTER_69.DGN, \\N190-MASTER_70.DGN, \\N190-MASTER_71.DGN, \\N190-MASTER_72.DGN, \\N190-MASTER_73.DGN, \\N190-MASTER_74.DGN, \\N190-MASTER_75.DGN, \\N190-MASTER_76.DGN, \\N190-MASTER_77.DGN, \\N190-MASTER_78.DGN, \\N190-MASTER_79.DGN, \\N190-MASTER_80.DGN, \\N190-MASTER_81.DGN, \\N190-MASTER_82.DGN, \\N190-MASTER_83.DGN, \\N190-MASTER_84.DGN, \\N190-MASTER_85.DGN, \\N190-MASTER_86.DGN, \\N190-MASTER_87.DGN, \\N190-MASTER_88.DGN, \\N190-MASTER_89.DGN, \\N190-MASTER_90.DGN, \\N190-MASTER_91.DGN, \\N190-MASTER_92.DGN, \\N190-MASTER_93.DGN, \\N190-MASTER_94.DGN, \\N190-MASTER_95.DGN, \\N190-MASTER_96.DGN, \\N190-MASTER_97.DGN, \\N190-MASTER_98.DGN, \\N190-MASTER_99.DGN, \\N190-MASTER_100.DGN

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	PLOT SCALE = *SCALE*	CHECKED - KDA	REVISED -
	PLOT DATE = *DATE*	DATE - 10/19/12	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETOUR PLAN				
SB MANNHEIM ROAD TO EB I-190				
SCALE: 1"=300'	SHEET NO.	OF SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0105 WRS&HB	COOK	605	159
CONTRACT NO. 60G37				
ILLINOIS FED. AID PROJECT				



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CHICAGO, ILLINOIS

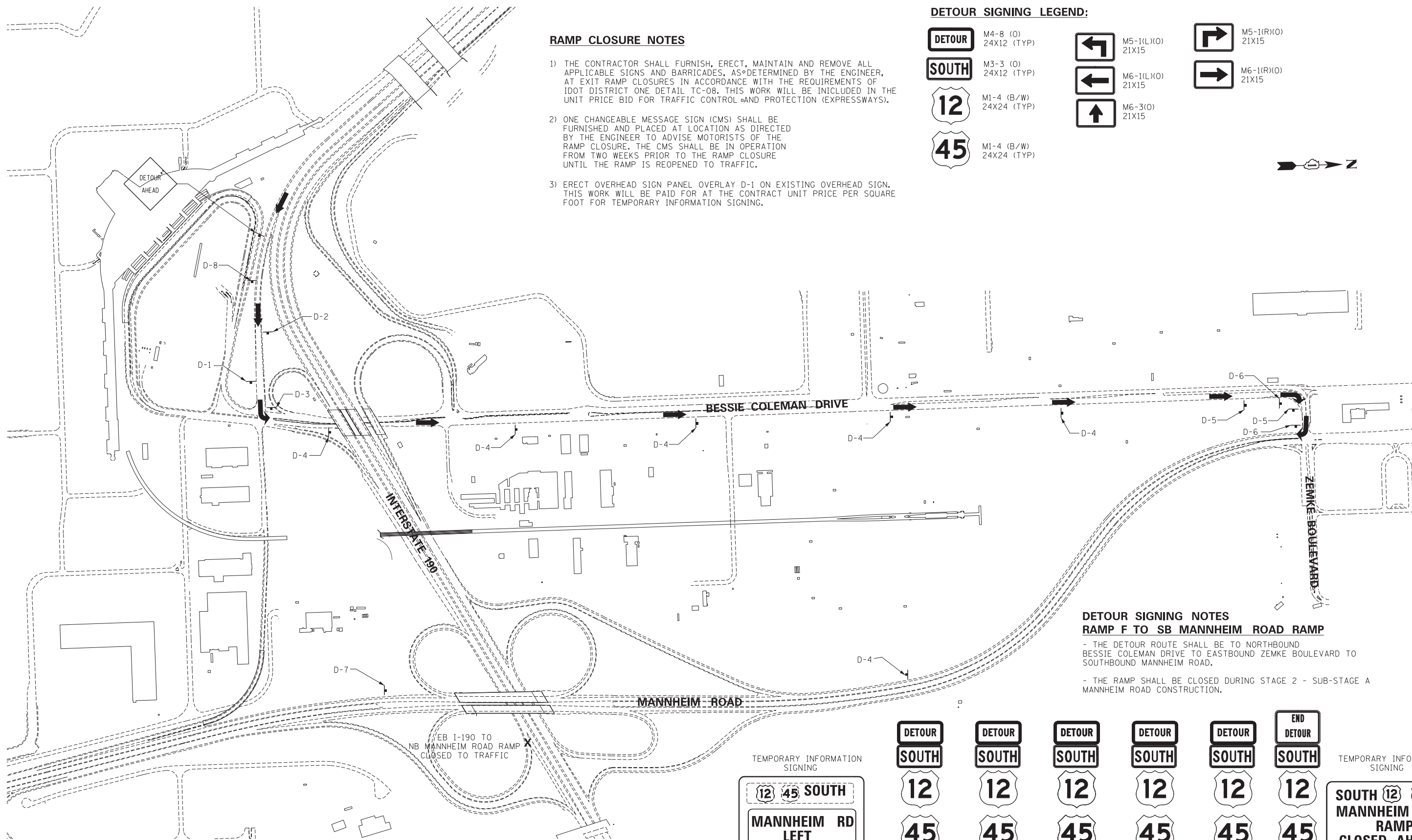
DTR-02

RAMP CLOSURE NOTES

- 1) THE CONTRACTOR SHALL FURNISH, ERECT, MAINTAIN AND REMOVE ALL APPLICABLE SIGNS AND BARRICADES, AS DETERMINED BY THE ENGINEER, AT EXIT RAMP CLOSURES IN ACCORDANCE WITH THE REQUIREMENTS OF IDOT DISTRICT ONE DETAIL TC-08. THIS WORK WILL BE INCLUDED IN THE UNIT PRICE BID FOR TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
- 2) ONE CHANGEABLE MESSAGE SIGN (CMS) SHALL BE FURNISHED AND PLACED AT LOCATION AS DIRECTED BY THE ENGINEER TO ADVISE MOTORISTS OF THE RAMP CLOSURE. THE CMS SHALL BE IN OPERATION FROM TWO WEEKS PRIOR TO THE RAMP CLOSURE UNTIL THE RAMP IS REOPENED TO TRAFFIC.
- 3) ERECT OVERHEAD SIGN PANEL OVERLAY D-1 ON EXISTING OVERHEAD SIGN. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT FOR TEMPORARY INFORMATION SIGNING.

DETOUR SIGNING LEGEND:

	M4-8 (O) 24X12 (TYP)		M5-1(L)(O) 21X15		M5-1(R)(O) 21X15
	M3-3 (O) 24X12 (TYP)		M6-1(L)(O) 21X15		M6-1(R)(O) 21X15
	M1-4 (B/W) 24X24 (TYP)		M6-3(O) 21X15		
	M1-4 (B/W) 24X24 (TYP)				



DETOUR SIGNING NOTES
RAMP F TO SB MANNHEIM ROAD RAMP

- THE DETOUR ROUTE SHALL BE TO NORTHBOUND BESSIE COLEMAN DRIVE TO EASTBOUND ZEMKE BOULEVARD TO SOUTHBOUND MANNHEIM ROAD.
- THE RAMP SHALL BE CLOSED DURING STAGE 2 - SUB-STAGE A MANNHEIM ROAD CONSTRUCTION.

TEMPORARY INFORMATION SIGNING

D-1
SEE SHEET TIS-08 FOR DETAIL

D-2 D-3 D-4 D-5 D-6 D-7

TEMPORARY INFORMATION SIGNING

D-8
SEE SHEET TIS-08 FOR DETAIL

DTR-03

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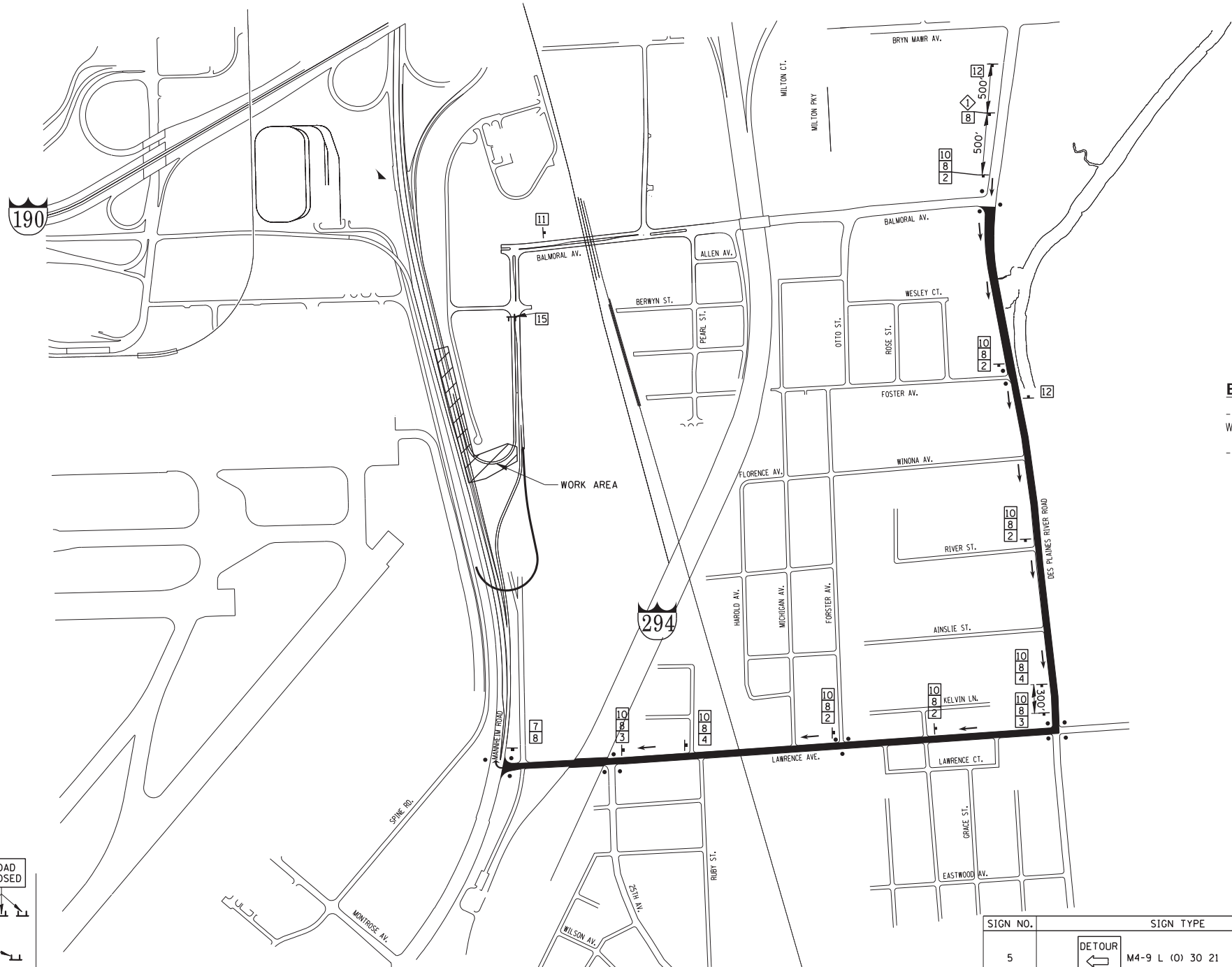
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	PLOT DATE = *DATE*	DATE - 10/19/12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETOUR PLAN			
RAMP F TO SB MANNHEIM ROAD			
SCALE: 1"=300'	SHEET NO.	OF SHEETS	STA. TO STA.

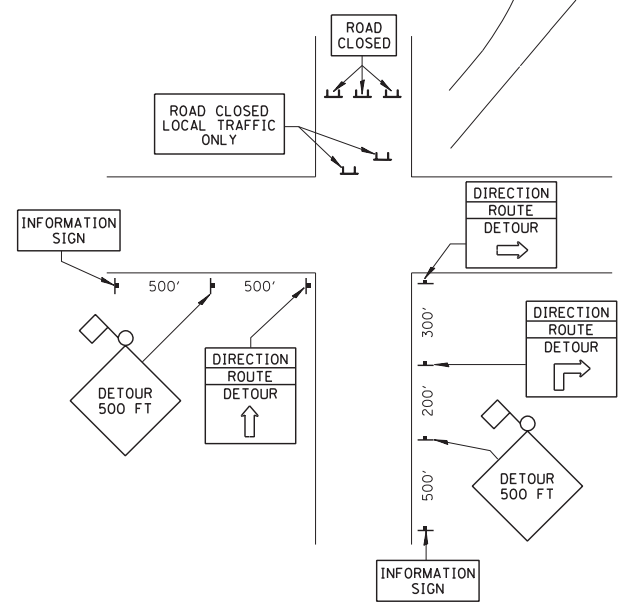
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0105 WRS&HB	COOK	605	160
CONTRACT NO. 60G37				
ILLINOIS FED. AID PROJECT				





BALMORAL AVENUE TO NB MANNHEIM ROAD ENTRANCE RAMP

- THE DETOUR ROUTE SHALL BE SOUTHBOUND DESPLAINES RIVER ROAD TO WESTBOUND LAWRENCE AVENUE TO MANNHEIM ROAD.
- THE RAMP SHALL BE CLOSED DURING STAGE 1 AND STAGE 1A.



TYPICAL SIGN INSTALLATION

- LEGEND**
- SIGNALIZED INTERSECTION
 - 48" x 48" CONSTRUCTION WARNING SIGN WITH AMBER FLASHING LIGHT AND ORANGE WARNING FLAG. NUMBER DENOTES TYPE.
 - M4-9 SERIES DETOUR SIGN WITH ROAD NAME AND CARDINAL DIRECTION PLATE. NUMBER DENOTES TYPE.
 - OTHER DETOUR SIGNS. NUMBER DENOTES TYPE.
 - TYPE III BARRICADE WITH AMBER FLASHING LIGHTS.
 - DETOUR ROUTE

SCHEDULE OF SIGNS

SIGN NO.	SIGN TYPE	QUANTITY
1	DETOUR 500 FT W20-2 (O) 48	1
2	DETOUR M4-9 (O) 30 21	5
3	DETOUR M4-9 R (O) 30 21	2
4	DETOUR M4-9 R (O) 30 21	2

SIGN NO.	SIGN TYPE	QUANTITY
5	DETOUR M4-9 L (O) 30 21	0
6	DETOUR M4-9 L (O) 30 21	0
7	END DETOUR M4-8a (O) 24 18	1
8	MANNHEIM ROAD	11
9	SOUTH M3-3 (O) 24 12	0
10	NORTH M3-1 (O) 24 12	8
11	ROAD CLOSED 1000 FT W20-2 (O) 48	0
12	MANNHEIM ROAD ENTRANCE RAMP CLOSED	1

SIGN NO.	SIGN TYPE	QUANTITY
13	BARRICADE 500 FT W20-2 (O) 48	0
14	ROAD CLOSED 1500 FT W20-2 (O) 48	1
15	ROAD CLOSED R-11-2-4830	1

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	PLOT SCALE = *SCALE*	CHECKED - KDA	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

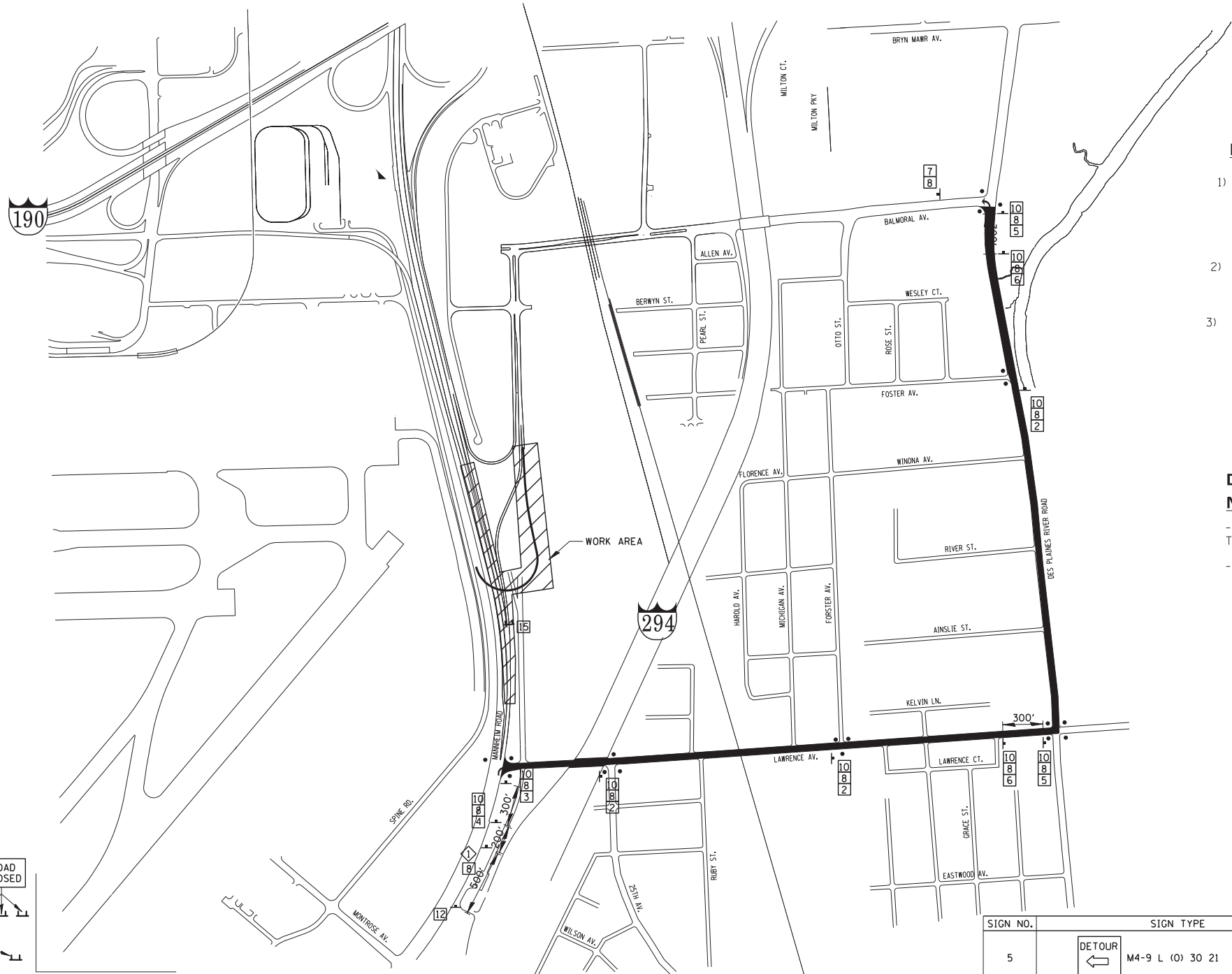
DETOUR PLAN
BALMORAL AVENUE TO NB MANNHEIM ROAD

SCALE: 1"=50' SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0105 WRS&HB	COOK	605	161
CONTRACT NO. 60G37				
ILLINOIS FED. AID PROJECT				



DTR-04



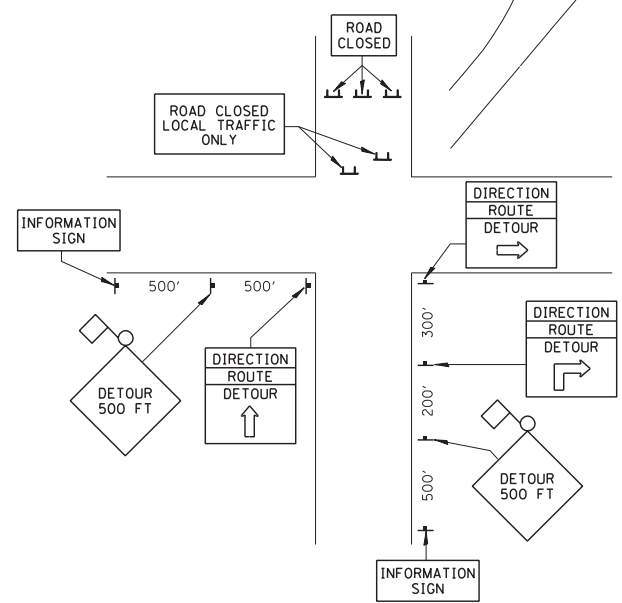
RAMP CLOSURE NOTES

- 1) THE CONTRACTOR SHALL FURNISH, ERECT, MAINTAIN AND REMOVE ALL APPLICABLE SIGNS AND BARRICADES, AS DETERMINED BY THE ENGINEER, AT EXIT RAMP CLOSURES IN ACCORDANCE WITH THE REQUIREMENTS OF IDOT DISTRICT ONE DETAIL TC-08. THIS WORK WILL BE INCLUDED IN THE UNIT PRICE BID FOR TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
- 2) RAMP CLOSURE ADVANCE WARNING SIGN OVERLAY "RAMP CLOSED" SHALL BE PLACED ON EXISTING GROUND MOUNT AND TRUSS MOUNTED ADVANCE GUIDE SIGNS ALONG I-190 EASTBOUND FOR MANNHEIM ROAD.
- 3) ONE CHANGEABLE MESSAGE SIGN (CMS) SHALL BE FURNISHED AND PLACED AT LOCATION AS DIRECTED BY THE ENGINEER TO ADVISE MOTORISTS OF THE RAMP CLOSURE. THE CMS SHALL BE IN OPERATION FROM TWO WEEKS PRIOR TO THE RAMP CLOSURE UNTIL THE RAMP IS REOPENED TO TRAFFIC.

DETOUR SIGNING NOTES

NB MANNHEIM ROAD TO BALMORAL AVENUE EXIT RAMP

- THE DETOUR ROUTE SHALL BE EASTBOUND LAWRENCE AVENUE TO NORTHBOUND DESPLAINES RIVER ROAD TO BALMORAL AVENUE.
- THE RAMP SHALL BE CLOSED DURING STAGE 1.



TYPICAL SIGN INSTALLATION

- LEGEND**
- SIGNALIZED INTERSECTION
 - 48" x 48" CONSTRUCTION WARNING SIGN WITH AMBER FLASHING LIGHT AND ORANGE WARNING FLAG. NUMBER DENOTES TYPE.
 - M4-9 SERIES DETOUR SIGN WITH ROAD NAME AND CARDINAL DIRECTION PLATE. NUMBER DENOTES TYPE.
 - OTHER DETOUR SIGNS. NUMBER DENOTES TYPE.
 - TYPE III BARRICADE WITH AMBER FLASHING LIGHTS.
 - DETOUR ROUTE

SCHEDULE OF SIGNS

SIGN NO.	SIGN TYPE	QUANTITY
1	DETOUR 500 FT W20-2 (O) 48	1
2	DETOUR M4-9 (O) 30 21	3
3	DETOUR M4-9 R (O) 30 21	1
4	DETOUR M4-9 R (O) 30 21	1

SIGN NO.	SIGN TYPE	QUANTITY
5	DETOUR M4-9 L (O) 30 21	2
6	DETOUR M4-9 L (O) 30 21	2
7	END DETOUR M4-8a (O) 24 18	1
8	BALMORAL AVENUE SPECIAL NO. 1	11
9	SOUTH M3-3 (O) 24 12	0
10	EAST M3-1 (O) 24 12	9
11	ROAD CLOSED 1000 FT W20-2 (O) 48	0
12	BALMORAL AVENUE EXIT RAMP CLOSED R-11-4-6030	1

SIGN NO.	SIGN TYPE	QUANTITY
13	BARRICADE 500 FT W20-2 (O) 48	0
14	ROAD CLOSED 1500 FT W20-2 (O) 48	1
15	ROAD CLOSED R-11-2-4830	1

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 DRAWN - JZP
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 DATE - 10/19/12
 PLOT SCALE = *SCALE*
 PLOT DATE = *DATE*

DESIGNED - BRH	REVISED -
DRAWN - JZP	REVISED -
CHECKED - KDA	REVISED -
DATE - 10/19/12	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DETOUR PLAN
 NB MANNHEIM ROAD TO BALMORAL AVENUE**

SCALE: 1"=50' SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0105 WRS&HB	COOK	605	162
CONTRACT NO. 60G37				
ILLINOIS FED. AID PROJECT				

DTR-05

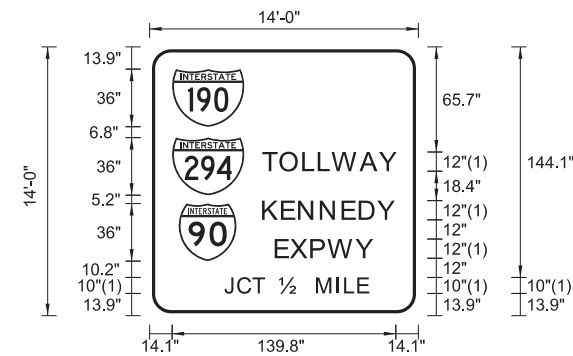


TENG & ASSOCIATES, INC.
 ENGINEERS/ARCHITECTS/PLANNERS
 CHICAGO, ILLINOIS

TEMPORARY INFORMATION SIGNING SCHEDULE

SIGN ID	WIDTH FT.	HEIGHT FT.	AREA SQ. FT.	NO. OF SIGNS	TEMPORARY INFORMATION SIGNING, SQ. FT.
TEMP_SIGN - 1	14	14	196	1	196
TEMP_SIGN - 2	14	14	196	1	196
TEMP_SIGN - 3	14	14	196	1	196
TEMP_SIGN - 4	13	10	130	1	130
TEMP_SIGN - 5	12.5	16.5	206.25	1	206
TEMP_SIGN - 6	11	10	110	1	110
TEMP_SIGN - 7	14	10.5	147	1	147
TEMP_SIGN - 8	10	10.5	105	1	105
TEMP_SIGN - 9	14	12.5	175	1	175
TEMP_SIGN - 10	10	8	80	1	80
TEMP_SIGN - 11	14	9	126	1	126
TEMP_SIGN - 12	14	14	196	1	196
TEMP_SIGN - 13	13	8	104	1	104
DETOUR_SIGN - 1	14.5	10	145	1	145
DETOUR_SIGN - 2	13	10.5	136.5	1	137
			TOTAL	15	2,249

SIGN DETAIL
TEMP_SIGN - 1



SIGN NUMBER	Temp_Sign - 1
WIDTH x HGHT.	14'-0" x 14'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1_1	0	14.1	118.1	45	36
M1_1	0	14.1	75.3	45	36
M1_1	0	18.2	34.1	36	36

Panel Style: Guide_Expressway_Temporary.ssi
Dimensions are in inches,tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

LETTER	LENGTH	SERIES SIZE
T	71.2	12
O	82	12
L	96.3	12
L	106	12
W	115	12
A	132.1	12
Y	144.2	12
K	71.2	12
E	82.9	12
N	93.7	12
N	107.3	12
E	120.8	12
D	131.6	12
Y	143.1	12
E	79	12
X	88.6	12
P	101.3	12
W	112.5	12
Y	129.5	12
J	47.3	10
C	55.4	10
T	64.9	10
M	104.8	10
I	117	10
L	122.4	10
E	130.5	10

\\D:\60637-BORDER.DGN, ..\D:\60637-MOT-GUIDESIGN.DGN
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	PLOT SCALE = #SCALE#	CHECKED - KDA	REVISED -
	PLOT DATE = #DATE#	DATE - 10/19/12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY INFORMATION SIGN
MANNHEIM ROAD

SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.

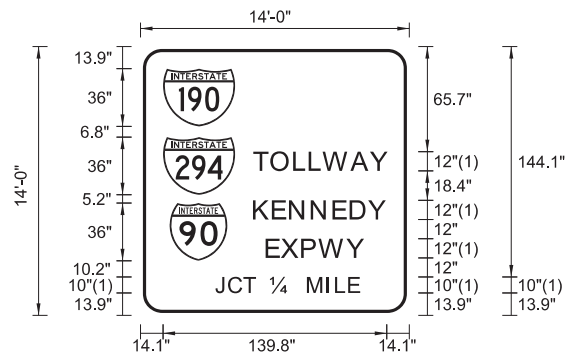
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0105 WRS&HB	COOK	605	163
CONTRACT NO. 60G37				
ILLINOIS FED. AID PROJECT				

TIS-01



TENG & ASSOCIATES, INC.
ENGINEERS/ARCHITECTS/PLANNERS
CHICAGO, ILLINOIS

SIGN DETAIL
TEMP_SIGN - 2



SIGN NUMBER	Temp_Sign - 2
WIDTH x HGHT.	14'-0" x 14'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White/White

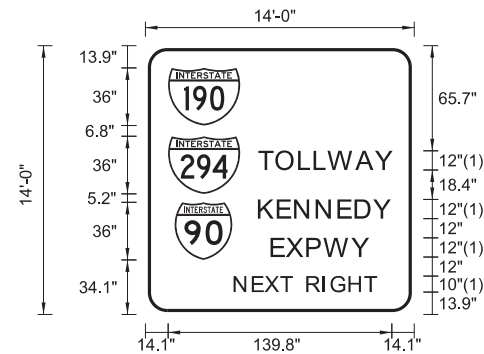
SYMBOL	ROT	X	Y	WID	HT
M1_1	0	14.1	118.1	45	36
M1_1	0	14.1	75.3	45	36
M1_1	0	18.2	34.1	36	36

Panel Style: Guide_Expressway_Temporary.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)							LENGTH	SERIES SIZE
T	O	L	L	W	A	Y		ClearviewHwy-4-W
71.2	82	96.3	106	115	132.1	144.2	82.7	12
K	E	N	N	E	D	Y		ClearviewHwy-4-W
71.2	82.9	93.7	107.3	120.8	131.6	143.1	81.6	12
E	X	P	W	Y				ClearviewHwy-4-W
79	88.6	101.3	112.5	129.5			60.2	12
J	C	T						ClearviewHwy-4-W
47.3	55.4	64.9					24.2	10
14								ClearviewHwy-4-W
81.5							13.2	10
M	I	L	E					ClearviewHwy-4-W
104.8	117	122.4	130.5				31.6	10

SIGN DETAIL
TEMP_SIGN - 3



SIGN NUMBER	Temp_Sign - 3
WIDTH x HGHT.	14'-0" x 14'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1_1	0	14.1	118.1	45	36
M1_1	0	14.1	75.3	45	36
M1_1	0	18.2	34.1	36	36

Panel Style: Guide_Expressway_Temporary.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)							LENGTH	SERIES SIZE	
T	O	L	L	W	A	Y		ClearviewHwy-4-W	
71.2	82	96.3	106	115	132.1	144.2	82.7	12	
K	E	N	N	E	D	Y		ClearviewHwy-4-W	
71.2	82.9	93.7	107.3	120.8	131.6	143.1	81.6	12	
E	X	P	W	Y				ClearviewHwy-4-W	
79	88.6	101.3	112.5	129.5			60.2	12	
N	E	X	T		R	I	G	H	T
55.8	67.1	75.1	84.8	91.5	101.2	111.3	116.3	127.5	137.4

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FILE NAME =	USER NAME = *USER*	DESIGNED - MAM	REVISED -
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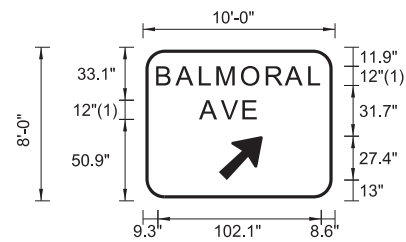
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY INFORMATION SIGN
MANNHEIM ROAD

SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0105 WRS&HB	COOK	605	164
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60G37	

SIGN DETAIL
TEMP_SIGN - 10



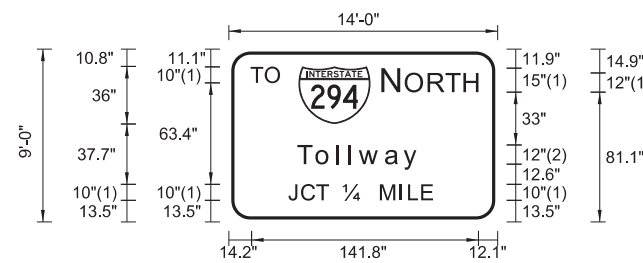
Panel Style: Guide_Expressway_Temporary.ssi
Dimensions are in inches.tenths
Letter locations are panel edge to lower left corner

SIGN NUMBER	Temp_Sign - 10
WIDTH x HGHT.	10'-0" x 8'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
AR_Type A	315	47.4	13	22.1	34.8

LETTER POSITIONS (X)										LENGTH	SERIES SIZE
B	A	L	M	O	R	A	L				ClearviewHwy-5-W
9.3	21.3	36.1	47	62.3	77.8	89.6	104.4			102.1	12
A	V	E									ClearviewHwy-5-W
36.1	49.6	63.2								34.7	12

SIGN DETAIL
TEMP_SIGN - 11



Panel Style: Guide_Expressway_Temporary.ssi
Dimensions are in inches.tenths
Letter locations are panel edge to lower left corner

SIGN NUMBER	Temp_Sign - 11
WIDTH x HGHT.	14'-0" x 9'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1_1	0	43.5	61.2	45	36

LETTER POSITIONS (X)										LENGTH	SERIES SIZE
T	O										ClearviewHwy-4-W
14.2	23.2									17.7	10
N	O	R	T	H							ClearviewHwy-4-W
96.4	110.8	125.1	136.1	147.4						59.6	15,12
T	o	I	I	w	a	y					ClearviewHwy-5-W
43.6	55.3	68.7	76.1	82.2	98.6	109.9				75.6	129.8
J	C	T									ClearviewHwy-4-W
37.7	45.8	55.2								24.2	10
14											ClearviewHwy-4-W
71.9										13.2	10
M	I	L	E								ClearviewHwy-4-W
95.2	107.4	112.8	120.9							31.6	10

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

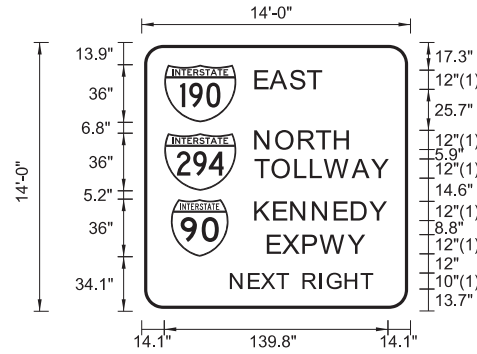
TEMPORARY INFORMATION SIGN			
MANNHEIM ROAD			
SCALE: N.T.S.	SHEET NO.	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0105 WRS&HB	COOK	605	168
CONTRACT NO. 60G37				
ILLINOIS FED. AID PROJECT				



TENGA & ASSOCIATES, INC.
 ENGINEERS/ARCHITECTS/PLANNERS
 CHICAGO, ILLINOIS

SIGN DETAIL
TEMP_SIGN - 12



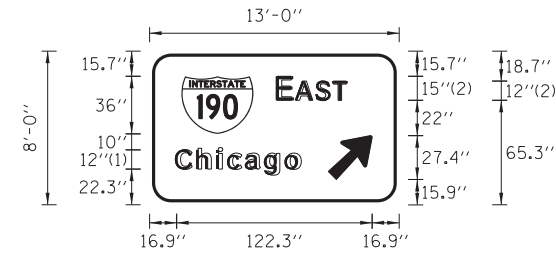
SIGN NUMBER	Temp_Sign - 12
WIDTH x HGHT.	14'-0" x 14'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1_1	0	14.1	118.1	45	36
M1_1	0	14.1	75.3	45	36
M1_1	0	18.2	34.1	36	36

Panel Style: Guide_Expressway_Temporary.ssi FONT: (1) ClearviewHwy-4-W
 Dimensions are in inches.tenths Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)												LENGTH	SERIESIZE		
E	A	S	T											ClearviewHwy-4-W	
71.2	80.7	93.3	104											40.8	12
N	O	R	T	H										ClearviewHwy-4-W	
71.2	84.3	98.6	109.6	120.9										58.3	12
T	O	L	L	W	A	Y								ClearviewHwy-4-W	
71.2	82	96.3	106	115	132.1	144.2								82.7	12
K	E	N	N	E	D	Y								ClearviewHwy-4-W	
71.2	82.9	93.7	107.3	120.8	131.6	143.1								81.6	12
E	X	P	W	Y										ClearviewHwy-4-W	
79	88.6	101.3	112.5	129.5										60.2	12
N	E	X	T		R	I	G	H	T					ClearviewHwy-4-W	
55.9	67.2	75.1	84.8	91.5	101.2	111.3	116.3	127.5	137.4					88.2	10

SIGN DETAIL
TEMP_SIGN - 13



SIGN NUMBER	Temp_Sign - 13
WIDTH x HGHT.	13'-0" x 8'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective COLOR: Green
LEGEND/BORDER	TYPE: Reflective COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
M1_1	0	19.9	44.3	45	36
AR_Type A	315	111.7	15.8	22.1	34.8

Panel Style: Guide_Expressway_Temporary.ssi FONT: (1) ClearviewHwy-5-W
 Dimensions are in inches.tenths (2) ClearviewHwy-4-W Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)												LENGTH	SERIESIZE		
E	A	S	T											ClearviewHwy-4-W	
79.9	91.5	104.2	114.9											43	15.12
C	h	i	c	a	g	o								ClearviewHwy-5-W	
16.9	30.3	42.9	49.5	60.4	72.7	85.5								77.9	129.8

-N:\160637-MOT-GUIDESIGN.DGN, ..N:\160637-BORDER.DGN
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FILEL		DRAWN - MAM	REVISED -
	PLOT SCALE = *SCALE*	CHECKED - KDA	REVISED -
	PLOT DATE = *DATE*	DATE - 10/19/12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY INFORMATION SIGN
MANNHEIM ROAD

SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.

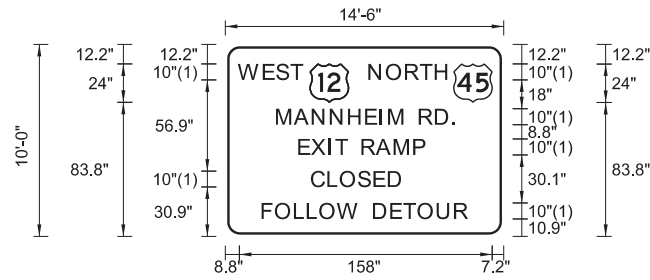
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0105 WRS&HB	COOK	605	169
CONTRACT NO. 60G37				
ILLINOIS FED. AID PROJECT				

TIS-07



TENG & ASSOCIATES, INC.
ENGINEERS/ARCHITECTS/PLANNERS
CHICAGO, ILLINOIS

SIGN DETAIL
DETOUR SIGN-1



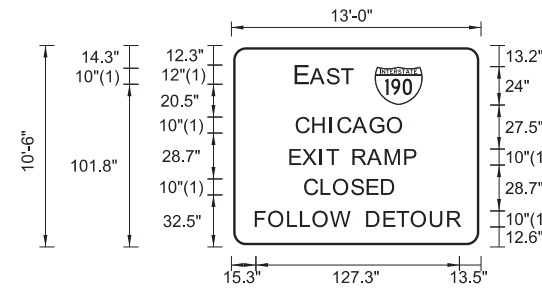
SIGN NUMBER	D-14
WIDTH x HGHT.	14'-6" x 10'-0"
BORDER WIDTH	1.5"
CORNER RADIUS	8"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective COLOR: Orange
LEGEND/BORDER	TYPE: Reflective COLOR: Black/Black

SYMBOL	ROT	X	Y	WID	HT
M1_4	0	53	83.8	24	24
M1_4	0	142.8	83.8	24	24

Panel Style: Construction_Sign_Temporary.ssi FONT: (1) ClearviewHwy-4-W
Dimensions are in inches.tenths Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)													LENGTH	SERIESIZE			
W	E	S	T													ClearviewHwy-4-W	
8.8	24.1	32.4	41.3													39.2	10
N	O	R	T	H													ClearviewHwy-4-W
90.1	101	113	122.1	131.5	138.7											50.4	10
M	A	N	N	H	E	I	M	R	D	.							ClearviewHwy-4-W
32.4	43.5	54.7	66	77.3	88.1	97.1	102.5	111	121.6	131.7	142					111.8	10
E	X	I	T	R	A	M	P										ClearviewHwy-4-W
46.3	54.2	64.8	69.4	76	85.7	94.7	106	118.1								78.7	10
C	L	O	S	E	D												ClearviewHwy-4-W
54.2	64.5	72.2	83.5	93.3	102.3											55.6	10
F	O	L	L	O	W	D	E	T	O	U	R						ClearviewHwy-4-W
23.4	31.7	43.6	51.7	59.4	70.7	83	93	103.8	111.8	120.8	132.8	143.6				127.3	10

SIGN DETAIL
DETOUR SIGN -2



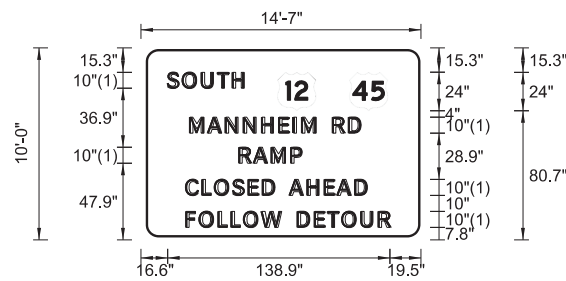
SIGN NUMBER	D-6
WIDTH x HGHT.	13'-0" x 10'-6"
BORDER WIDTH	1.5"
CORNER RADIUS	8"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective COLOR: Orange
LEGEND/BORDER	TYPE: Reflective COLOR: Black/Black

SYMBOL	ROT	X	Y	WID	HT
M1_1	0	89.5	88.8	30	24

Panel Style: Construction_Sign_Temporary.ssi FONT: (1) ClearviewHwy-4-W
Dimensions are in inches.tenths Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)													LENGTH	SERIESIZE				
E	A	S	T														ClearviewHwy-4-W	
40.3	49.6	60.2	69.1														35.5	12,10
C	H	I	C	A	G	O											ClearviewHwy-4-W	
40.9	51.2	61.9	66.9	76.2	87	97.8										65.7	10	
E	X	I	T	R	A	M	P										ClearviewHwy-4-W	
36.9	44.8	55.4	60	66.6	76.3	85.3	96.6	108.7								78.7	10	
C	L	O	S	E	D												ClearviewHwy-4-W	
46.2	56.5	64.2	75.4	85.2	94.2											55.6	10	
F	O	L	L	O	W	D	E	T	O	U	R						ClearviewHwy-4-W	
15.3	23.6	35.5	43.6	51.3	62.7	75	85	95.7	103.8	112.8	124.7	135.6				127.3	10	

SIGN DEAIL
DE OUR_SIGN - 6



SIGN NUMBER	name
WID H x HGH	14'-7" x 10'-0"
BORDER WID H	0.63"
CORNER RADIUS	1.5"
MOUN ING	Ground
BACKGROUND	YPE: Reflective COLOR: Orange
LEGEND/BORDER	YPE: Reflective COLOR: Black/Black

SYMBOL	RO	X	Y	WID	H
M1_4	0	85.3	80.8	24	24
M1_4	0	130.3	80.7	24	24

Panel Style: construction_guide.ssi FONT: (1) ClearviewHwy-4-W
Dimensions are in inches.tenths Letter locations are panel edge to lower left corner

LE ER POSI IONS (X)													LENG H	SERIESSIZE			
S	O	U	H														ClearviewHwy-4-W
16.6	26.1	38	48	57.4												47.9	10
M	A	N	N	H	E	I	M	R	D								ClearviewHwy-4-W
30.7	41.8	53	64.3	75.6	86.4	95.3	100.8	109.3	119.9	130						106.9	10
R	A	M	P														ClearviewHwy-4-W
61.5	70.5	81.7	93.9													39.2	10
C	L	O	S	E	D	A	H	E	A	D							ClearviewHwy-4-W
28.2	38.5	46.2	57.4	67.2	76.2	83.7	92.8	104.1	114.8	122.7	133.9				113.3	10	
F	O	L	L	O	W	D	E	O	U	R							ClearviewHwy-4-W
28.3	36.6	48.6	56.7	64.3	75.7	88	98	108.7	116.8	125.8	137.7	148.6			127.3	10	

SIGN DEAIL
DE OUR_SIGN - 7



SIGN NUMBER	name
WID H x HGH	10'-6" x 5'-0"
BORDER WID H	0.63"
CORNER RADIUS	1.5"
MOUN ING	Ground
BACKGROUND	YPE: Reflective COLOR: Orange
LEGEND/BORDER	YPE: Reflective COLOR: Black/Black

SYMBOL	RO	X	Y	WID	H

Panel Style: construction_guide.ssi FONT: (1) ClearviewHwy-4-W
Dimensions are in inches.tenths Letter locations are panel edge to lower left corner

LE ER POSI IONS (X)													LENG H	SERIESSIZE			
M	A	N	N	H	E	I	M	R	D								ClearviewHwy-4-W
9.6	20.7	31.9	43.2	54.5	65.3	74.2	79.6	88.2	98.8	108.9						106.8	10
L	E	F					W	O									ClearviewHwy-4-W
26.4	34.5	43.5	51.3	58	66.8	75.6	90.5									72.8	10
L	A	N	E	S													ClearviewHwy-4-W
37.2	44.2	55.5	66.8	75												44.5	10

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FILE NAME =	USER NAME = *USER*	DESIGNED - JZP	REVISED -
FILEL		DRAWN - JZP	REVISED -
	PLOT SCALE = *SCALE*	CHECKED - KDA	REVISED -
	PLOT DATE = *DATE*	DATE - 10/19/12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY INFORMATION SIGN
DETOUR PLAN

SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0105 WRS&HB	COOK	605	170
CONTRACT NO. 60G37				
ILLINOIS FED. AID PROJECT				



TENG & ASSOCIATES, INC.
ENGINEERS/ARCHITECTS/PLANNERS
CHICAGO, ILLINOIS

EROSION AND SEDIMENT CONTROL GENERAL NOTES

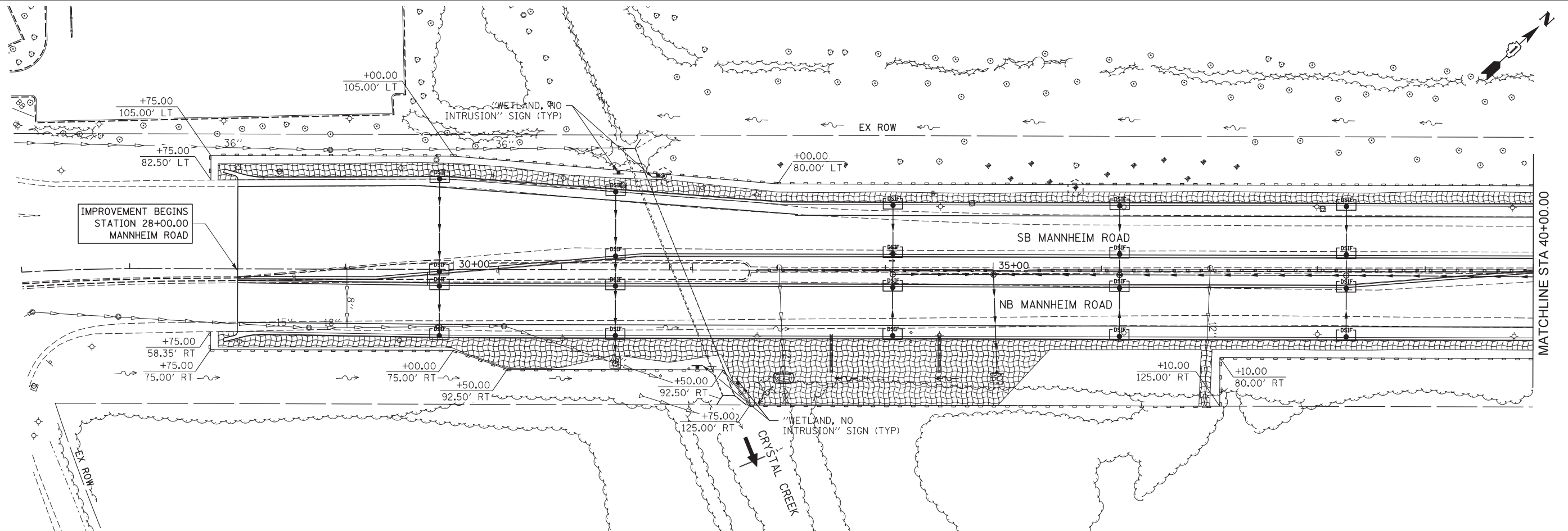
1. THE WORK DESCRIBED ON THESE DRAWINGS IS AN INTEGRAL PART OF THE STORM WATER POLLUTION PREVENTION PLAN USED TO OBTAIN A NPDES PERMIT FROM IEPA FOR THE CONSTRUCTION OF THIS PROJECT. FULL COMPLIANCE WITH ALL TERMS OF THE NPDES PERMIT MUST BE STRICTLY ADHERED TO.
2. THE PURPOSE OF THE EROSION AND SEDIMENT CONTROL MEASURES INCLUDED FOR THIS PROJECT IS TO LIMIT THE SEDIMENT POLLUTION IMPACT OF ANY STORM WATER DISCHARGES THAT ORIGINATE ON THIS SITE OR OFF-SITE FLOWS THAT FLOW OVER THE DISTURBED AREAS ON DOWNSTREAM AREAS.
3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT SEDIMENT TRANSPORT OFF THE SITE IS REDUCED BY A COMBINATION OF MINIMIZATION OF EROSION AT THE SOURCE AND INSTALLATION OF SPECIFIC MEASURES TO CONTROL OR REDUCE THE TRANSPORT OF SEDIMENT. A COPY OF THE EROSION AND SEDIMENT CONTROL SCHEDULE BEING IMPLEMENTED BY THE CONTRACTOR WILL BE ON THE CONSTRUCTION SITE AT ALL TIMES.
4. TO THE MAXIMUM EXTENT POSSIBLE, ALL FLOWS ORIGINATING OFF THE CONSTRUCTION SITE WILL BE DIVERTED AROUND DISTURBED AREAS OR WILL NOT BE CONVEYED THROUGH THE SITE IN A MANNER THAT UNTREATED ON-SITE RUNOFF DOES NOT MIX WITH THE OFF-SITE RUNOFF.
5. ALL RUNOFF ORIGINATING ON DISTURBED AREAS ASSOCIATED WITH THIS PROJECT WILL PASS THROUGH ONE OR MORE MEASURES THAT WILL REDUCE OVERLAND FLOW RATES AS WELL AS CURTAIL ON AND OFF-SITE SEDIMENT IMPACTS OF THE CONSTRUCTION ACTIVITY.
6. ALL PERMANENT SEDIMENT BASINS, PERMANENT STORM WATER CONTROL MEASURES, AND RUNOFF CONTROL MEASURES REQUIRED TO KEEP OFF-SITE RUNOFF FROM FLOWING OVER THE CONSTRUCTION AREA WILL BE INSTALLED BEFORE CLEARING AND STRIPPING OF THE SITE PROCEEDS. PRIOR TO PROCEEDING WITH GENERAL EARTHWORK ON A PROJECT THE CONTRACTOR WILL OBTAIN APPROVAL OF HIS PROPOSED EARTHWORK AND STABILIZATION SCHEDULE.
7. A MAXIMUM OF 10 ACRES MAY BE IN SOME STAGE OF GRADING AT A SINGLE TIME. ADDITIONAL AREAS (UP TO 10 ACRES) MAY BE CLEARED BUT WILL NOT BE STRIPPED OF VEGETATION UNTIL THE GRADED AREAS HAVE BEEN PROTECTED FROM EROSION THROUGH INSTALLATION OF EITHER TEMPORARY OR PERMANENT MEASURES. WHENEVER POSSIBLE, THE GRADING WILL BE COMPLETED TO THE DESIGN GRADE AND THE PERMANENT VEGETATION PLAN IMPLEMENTED PRIOR TO STARTING GRADING ACTIVITIES ON THE NEXT SITE.
 - (A) WHEN BALANCING EARTHWORK (BORROW FROM A CUT USED AS FILL AT A LOCATION DISTANT FROM THE CUT) THE ENGINEER WILL CONSIDER ALLOWING MORE THAN 10 ACRES OF GRADING AT A TIME. THE 10 ACRE LIMITATION DOES NOT INCLUDE HAUL ROADS, BRIDGE CONSTRUCTION WORK AREAS NOR STORAGE AREAS.
 - (B) VARIATIONS TO THE ABOVE MAY BE CONSIDERED BY THE ENGINEER UNDER ALL THE FOLLOWING CONDITIONS:
 - IF THE CONTRACTOR FALLS BEHIND SCHEDULE THROUGH NO FAULT OF HIS OWN.
 - THE CONTRACTOR MUST PRESENT A SCHEDULE DEMONSTRATING THE NEED FOR SUCH VARIATION IN ORDER TO COMPLETE WORK ON TIME.
8. DISTURBED AREAS ARE TO BE PROTECTED FROM EROSION IN A TIMELY MANNER. UPON COMPLETION OF GRADING OR CONSTRUCTION, THE AREA WILL BE STABILIZED (USING PERMANENT MEASURES WHEN POSSIBLE) WITHIN 7 CALENDAR DAYS. TEMPORARY STABILIZATION THROUGH USE OF GROUND COVER, MULCHING, OR OTHER APPROVED MEASURES WILL BE INSTALLED WHENEVER SITE DEVELOPMENT WORK, GRADING OR OTHER EARTH DISTURBING ACTIVITIES CEASE TO BE CONTINUOUS FOR A PERIOD EXCEEDING 14 CALENDAR DAYS. THE 7/14 DAY REQUIREMENT IS TAKEN TO MEAN THAT THE STABILIZATION OPERATION IS COMPLETE OR NEARING COMPLETION IN THE DEFINED TIME.
9. STABILIZATION OF CUT OR FILL SLOPES WITH PERMANENT EROSION CONTROL MEASURES IS REQUIRED WHENEVER THE CUT OR FILL ACTIVITY REACHES 10 FEET VERTICALLY OR THE FINISHED SLOPE HEIGHT EQUALS 30 FEET, WHICHEVER IS MORE RESTRICTIVE. ONCE THE STABILIZATION MEASURES ARE INSTALLED, THE PLACEMENT OF FILL EXCAVATION ACTIVITIES ARE ALLOWED TO PROCEED. TEMPORARY STABILIZATION OF THE CUT OR FILL SLOPES USING MULCH METHOD 4 WILL BE INSTALLED WITHIN 7 DAYS WHEN ACTIVITY ON THE CUT OR FILL SLOPE CEASE TO BE CONTINUOUS FOR A PERIOD EXCEEDING 14 CALENDAR DAYS.
10. THE CONTRACTOR SHALL DESIGNATE ONE OF HIS EMPLOYEES AS RESPONSIBLE FOR IMPLEMENTATION OF THE EROSION AND SEDIMENT CONTROL PLAN ON ALL DISTURBED AREAS. THIS PERSON IS TO BE KNOWLEDGEABLE ABOUT INSTALLATION AND MAINTENANCE OF THE REQUIRED MEASURES. THIS EMPLOYEE IS TO HAVE THE AUTHORITY TO CARRY OUT THE IMPLEMENTATION OF ANY INSTRUCTIONS CONCERNING THE EROSION AND SEDIMENT CONTROL PLAN GIVEN BY THE ENGINEER. ALL MEASURES WILL BE INSPECTED BY THIS INDIVIDUAL AND THE ENGINEER ON A REGULAR BASIS (AT LEAST ONCE EVERY 7 DAYS) AND AFTER RAINFALL EVENTS GREATER THAN 0.5 IN. OR EQUIVALENT SNOWFALL. DURING THE WINTER MONTHS, EROSION CONTROL MEASURES WILL ALSO BE INSPECTED AFTER SIGNIFICANT SNOW MELT EVENTS.
11. SEDIMENT TRAPS, SEDIMENT BASINS, DITCHES, SEDIMENT CONTROL, SILT FENCE, STONE OUTLET STRUCTURES, EARTH BERMS, ETC. SHALL BE INSPECTED REGULARLY AND MAINTAINED DURING THE CONSTRUCTION SEASON AS WELL AS THE WINTER MONTHS AND OTHER TIMES WHEN THE PROJECT IS CLOSED DOWN. SEDIMENT SHALL BE REMOVED AND THE TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN SEDIMENT HAS ACCUMULATED TO ONE-HALF THE DESIGN DEPTH OF THE TRAP. ALL SEDIMENTS SHALL BE REMOVED TO AN APPROVED SITE. STONE OUTLET STRUCTURES SHALL HAVE SEDIMENT REMOVED WHEN IT REACHED 50% THE HEIGHT OF THE CONTROL DEVICE. THESE SPOILS WILL BE REMOVED TO AN APPROVED SITE.
12. SALVAGED TOPSOIL SHALL BE PLACED ON WELL DRAINED LAND AWAY FROM INTERMITTENT AND LIVE STREAMS OR WETLANDS WITH THE APPROPRIATE RUNOFF CONTROL AND SEDIMENT CONTROL MEASURES INSTALLED AROUND THE STORAGE SITE, AND STABILIZED IMMEDIATELY AFTER FINAL SHAPING OF THE PILE IN ACCORDANCE WITH MULCH, METHOD 2. THE CONTRACTOR WILL PROVIDE AN ADEQUATE QUANTITY OF SILT FENCE TO CONTROL THE PERIMETER OF THE STOCKPILE.
13. MATERIAL EXCAVATED FOR THE CONSTRUCTION OR CLEANOUT OF SEDIMENT TRAPS OR SEDIMENT BASINS SHALL NOT BE STOCKPILED IN (THE VICINITY OF) THE TRAP OR BASIN. IT WILL EITHER BE PLACED IN AN EMBANKMENT OR WASTED AS DIRECTED BY THE ENGINEER.
14. EXCAVATION TO BE USED FOR EMBANKMENTS SHALL NOT BE STOCKPILED UNLESS PERIMETER CONTROLS ARE UTILIZED. WHEN THIS MATERIAL IS STOCKPILED FOR THE CONVENIENCE OF THE CONTRACTOR THE COST OF THE CONTROLS ARE BORNE BY THE CONTRACTOR. IF THE MATERIAL IS STOCKPILED AT THE DIRECTION OF THE ENGINEER THE DEPARTMENT WILL ASSUME THE COST OF THE CONTROLS.
15. SEDIMENT LADEN DEWATERING DISCHARGE MUST BE DIRECTED TO AN APPROVED SEDIMENT TRAPPING MEASURE PRIOR TO RELEASE FROM THE SITE.
16. WHEN THE CONTRACTOR REQUESTS A CHANGE TO POSTPONE COMPLETION OF THE EXCAVATION OF A SPECIFIC AREA AS A CONTINUOUS OPERATION AND PLACING THE TOPSOIL AS DEFINED IN THE STANDARD SPECIFICATIONS, THE ENGINEER MAY ALLOW THE CONTRACTOR TO STABILIZE THE AREA USING TEMPORARY STABILIZATION WITH STRAW MULCH PROVIDING THE FOLLOWING CONDITIONS ARE MET:
 - (A) ALL AREAS BEING STABILIZED ARE 3:1 SLOPES OR FLATTER.
 - (B) THE CONTRACTOR BEARS THE COST OF PREPARING THE SEED BED AND STABILIZING THE AREA WITH TEMPORARY STABILIZATION STRAW MULCH.
 - (C) ALL REQUIRED SEDIMENT CONTROL MEASURES FOR THE SECTION OF ROAD IN QUESTION HAVE BEEN INSTALLED AND ARE BEING MAINTAINED.
17. SEEDING USAGE
 - CLASS 2A SALT TOLERANT ROADSIDE MIX USED FOR NEW CONSTRUCTION OF LIMITED ACCESS ROUTES INTENDED TO BE MOWED BY IDOT.
 - SODDING SALT TOLERANT, USED IN AREAS ADJACENT TO OTHER AREAS REQUIRING A HIGH ORDER OF APPEARANCE INTENDED TO BE MOWED BY SOMEONE OTHER THAN IDOT.
 - TEMPORARY EROSION CONTROL SEEDING USED ON SHORT TERM TEMPORARY SEEDING.
18. TOP SOIL PLACEMENT: TOPSOIL WILL NOT BE PLACED AT AREAS COMPLETED WHERE FURTHER CONSTRUCTION WILL BE DONE AS PART OF THIS CONTRACT.
19. SEDIMENT CONTROL DRAINAGE STRUCTURE INLET FILTER SHALL BE INSTALLED AND MAINTAINED AT EACH EXISTING AND PROPOSED INLET WITHIN THE PROJECT LIMITS.
20. INLET AND PIPE PROTECTION: INSPECT REGULARLY AND AFTER EVERY STORM. MAKE REPAIRS AS NECESSARY TO ENSURE THAT THE MEASURE IS IN GOOD WORKING ORDER. CLEAN OR REMOVE AND REPLACE THE FILTER FABRIC IF IT BECOMES CLOGGED. WORK IS INCLUDED IN COST OF INLET AND PIPE PROTECTION. INLET AND PIPE PROTECTION SHALL BE COMPRISED OF DITCH CHECKS, TEMPORARY SEEDING AND TEMPORARY EROSION CONTROL BLANKET. STRAW BALES AND SILT FENCE SHALL NOT BE USED AS INLET AND PIPE PROTECTION.
21. SILT FENCE IS NOT REQUIRED WHERE THE PERIMETER IS HIGHER THAN THE WORK ZONE, AND SILT FENCE SHALL NOT BE INSTALLED ACROSS CONCENTRATED FLOW, OR ACROSS CONTOURS WITHOUT J-HOOKS (HIGHWAY STANDARD SHEET 280001), IN AREAS OF CONCENTRATED FLOW, TEMPORARY DITCH CHECKS ARE A SUITABLE ALTERNATIVE IN PLACE OF SILT FENCE.
22. PORTABLE TOILETS SHALL BE PLACED AWAY FROM INLETS AND WATER COURSES.

ESC-1

	USER NAME = mksosir	DESIGNED KJC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION AND SEDIMENT CONTROL GENERAL NOTES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN KJC	REVISED -	330			0105 WRS&HB	COOK	605	171	
	PLOT SCALE = 1:1	CHECKED LVA	REVISED -			CONTRACT NO. 60G37				
	PLOT DATE = 19-OCT-2012	DATE 10/19/2012	REVISED -			SCALE:	SHEET NO. 1 OF 7 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT

EROSION CONTROL LEGEND

- | | | | |
|--|--|--|----------------------------|
| | PERIMETER EROSION BARRIER | | TEMPORARY PIPE SLOPE DRAIN |
| | DRAINAGE STRUCTURE INLET FILTER | | ORANGE CONSTRUCTION FENCE |
| | TEMPORARY DITCH CHECK | | STORMWATER OUTLET |
| | TEMPORARY SEEDING AND EROSION CONTROL BLANKET | | RIPRAP |
| | TEMPORARY SEEDING AND TURF REINFORCEMENT MATTING | | PROPOSED DITCH |
| | TEMPORARY SEDIMENT BASIN | | PROPOSED SWALE |
| | TREE TRUNK PROTECTION | | PROPOSED SUMMIT |



ESC-2



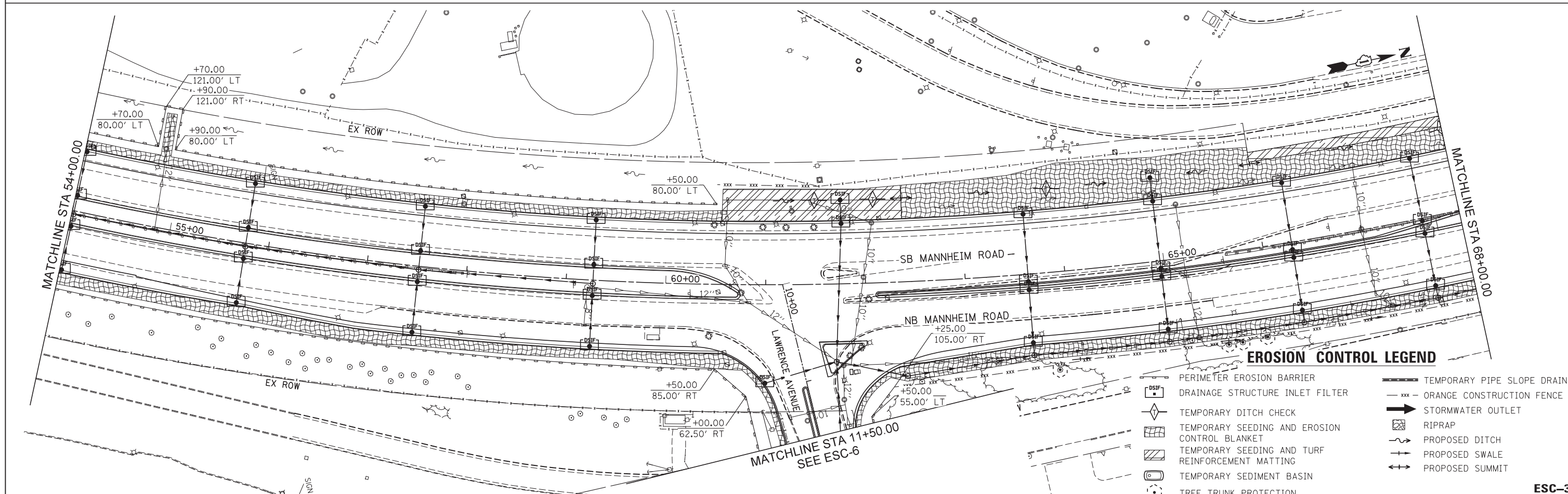
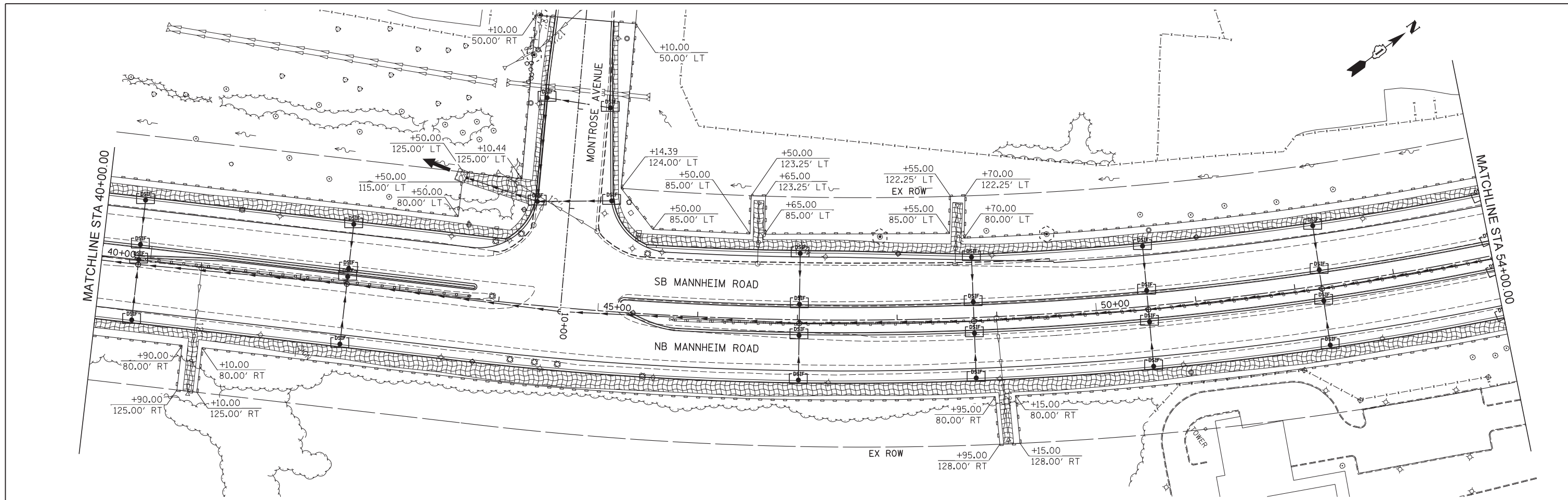
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	DATE 10/19/12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL PLAN
MANNHEIM ROAD

SCALE: 1" = 50' SHEET NO. 2 OF 7 SHEETS STA. 28+00.00 TO STA. 40+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105 WRS&HB	COOK	605	172
CONTRACT NO. 60G37				
ILLINOIS FED. AID PROJECT				



EROSION CONTROL LEGEND

- PERIMETER EROSION BARRIER
- DRAINAGE STRUCTURE INLET FILTER
- TEMPORARY DITCH CHECK
- TEMPORARY SEEDING AND EROSION CONTROL BLANKET
- TEMPORARY SEEDING AND TURF REINFORCEMENT MATTING
- TEMPORARY SEDIMENT BASIN
- TREE TRUNK PROTECTION
- TEMPORARY PIPE SLOPE DRAIN
- ORANGE CONSTRUCTION FENCE
- STORMWATER OUTLET
- RIPRAP
- PROPOSED DITCH
- PROPOSED SWALE
- PROPOSED SUMMIT

ESC-3



USER NAME = mikosir	DESIGNED KJC	REVISED -
	DRAWN KJC	REVISED -
PLOT SCALE = 50:1	CHECKED LVA	REVISED -
PLOT DATE = 19-OCT-2012	DATE 10/19/12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

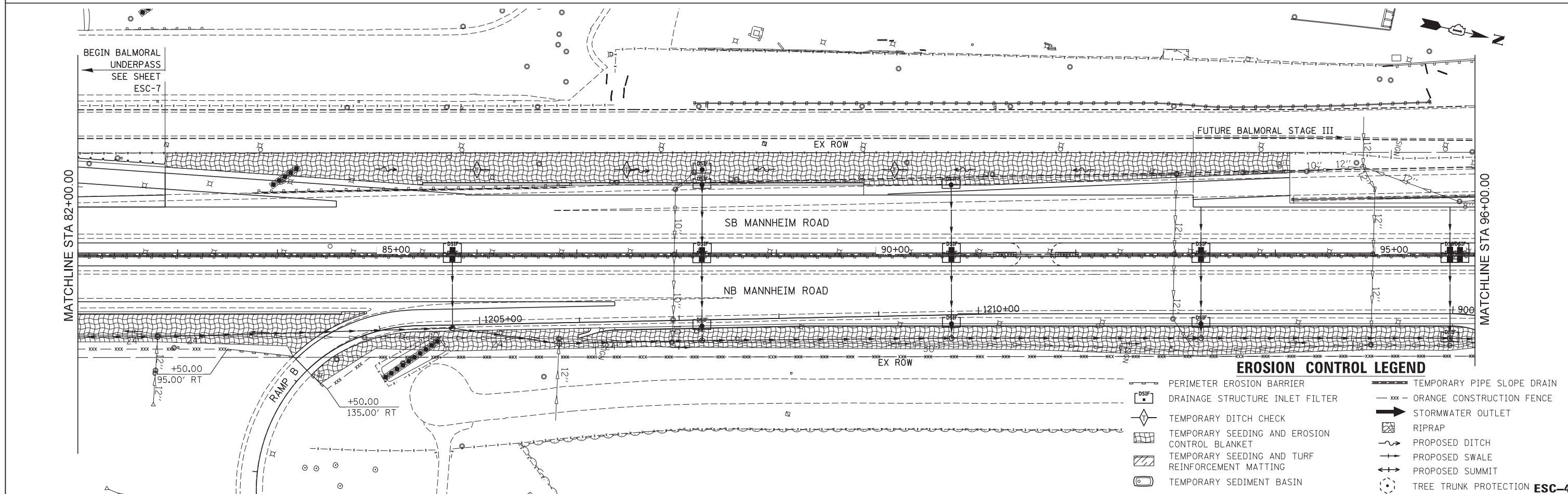
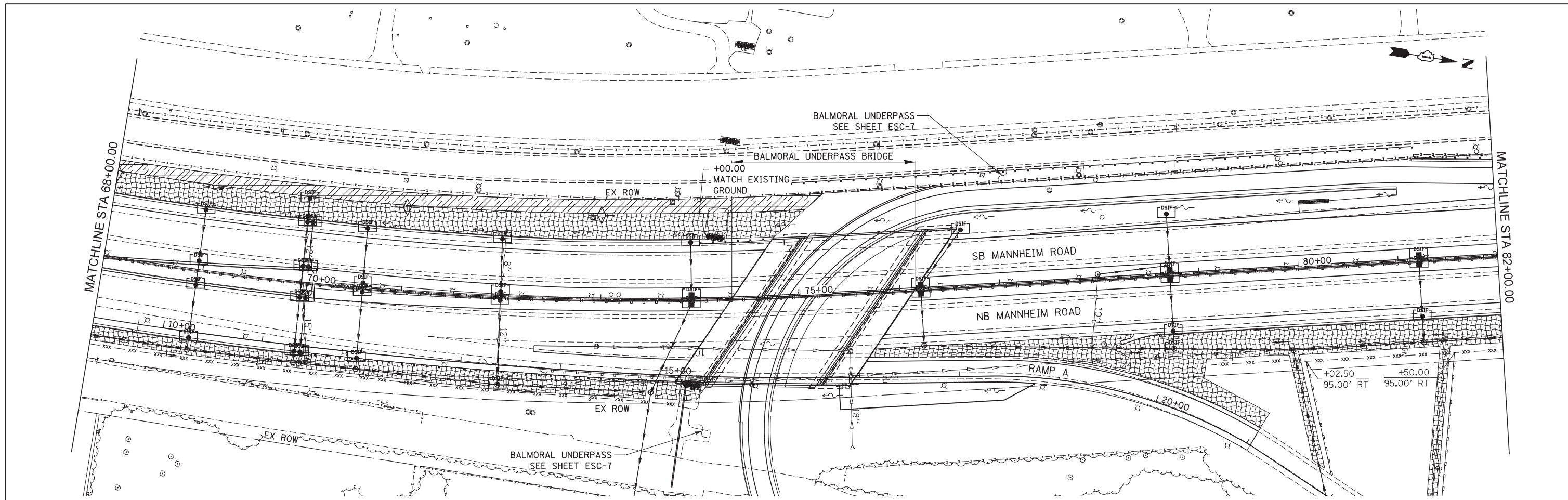
**EROSION AND SEDIMENT CONTROL PLAN
MANNHEIM ROAD**

SCALE: 1" = 50' SHEET NO. 3 OF 7 SHEETS STA. 40+00.00 TO STA. 68+00.00

F.A.P. RTE. 330	SECTION 0105 WRS&HB	COUNTY COOK	TOTAL SHEETS 605	SHEET NO. 173
				CONTRACT NO. 60G37

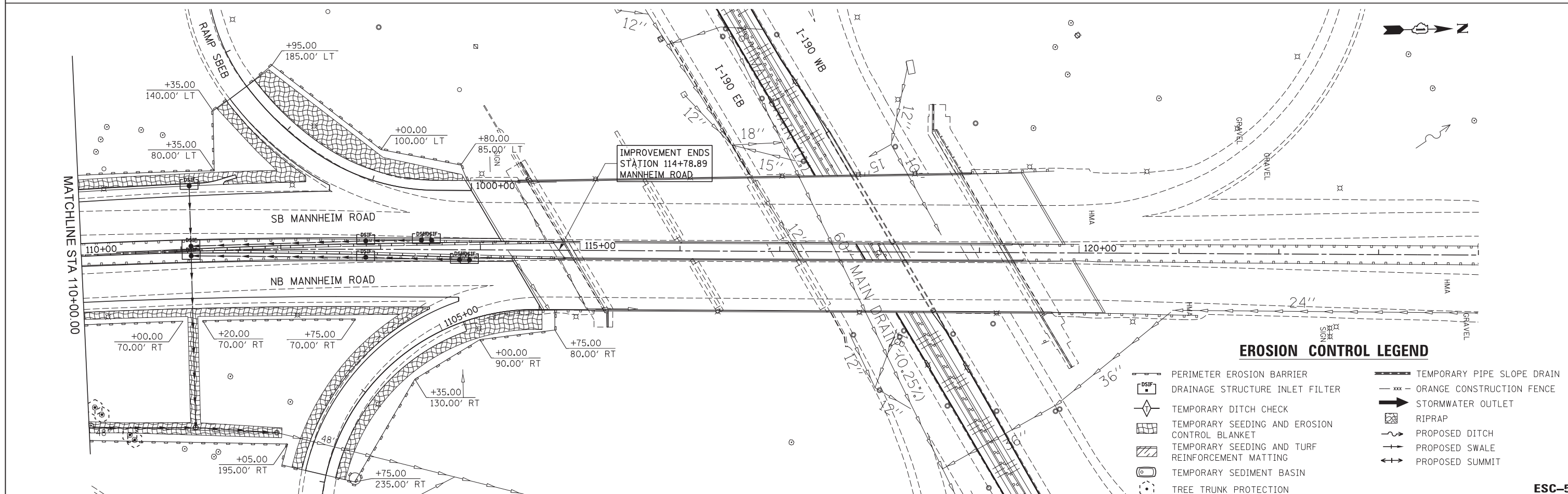
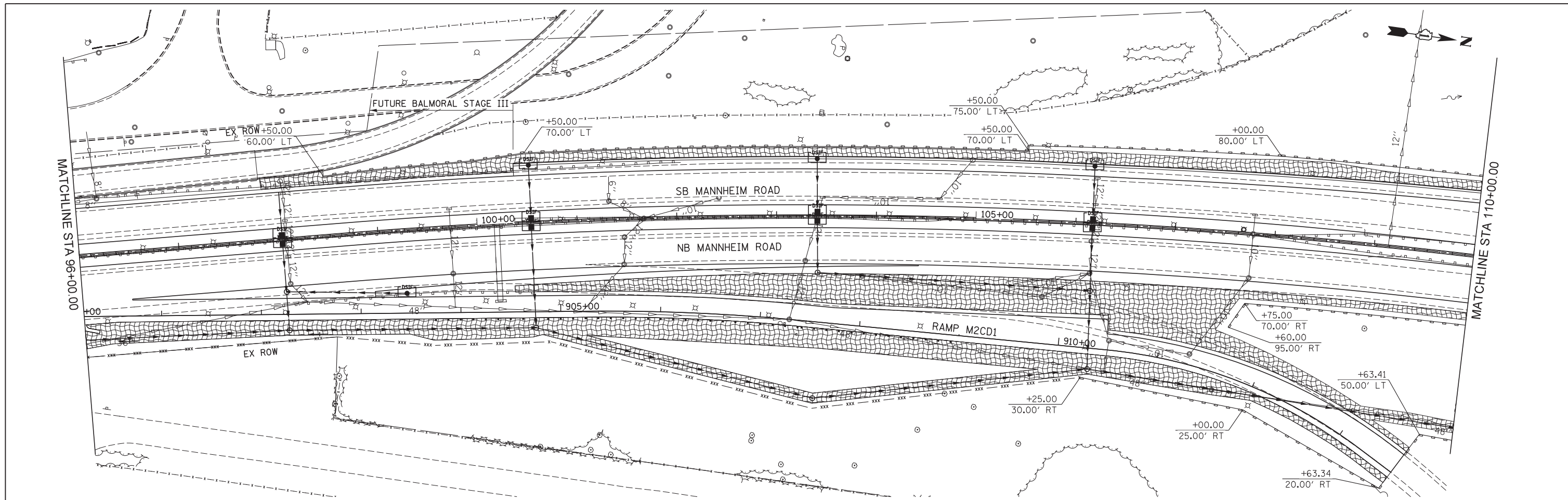
ILLINOIS FED. AID PROJECT

FILE NAME = IP_PWP\dms47844\DI68G37-shr-eros.02.dgn



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	PLOT SCALE = 50:1	CHECKED LVA	REVISED -			SCALE: 1" = 50'	SHEET NO. 4 OF 7 SHEETS	STA. 68+00.00 TO STA. 96+00.00	CONTRACT NO. 60G37	
	PLOT DATE = 19-OCT-2012	DATE 10/19/12	REVISED -							

FILE NAME = IP_PWP\dms47844\DI60G37-shr-eros.03.dgn



EROSION CONTROL LEGEND

	PERIMETER EROSION BARRIER		TEMPORARY PIPE SLOPE DRAIN
	DRAINAGE STRUCTURE INLET FILTER		ORANGE CONSTRUCTION FENCE
	TEMPORARY DITCH CHECK		STORMWATER OUTLET
	TEMPORARY SEEDING AND EROSION CONTROL BLANKET		RIPRAP
	TEMPORARY SEEDING AND TURF REINFORCEMENT MATTING		PROPOSED DITCH
	TEMPORARY SEDIMENT BASIN		PROPOSED SWALE
	TREE TRUNK PROTECTION		PROPOSED SUMMIT

ESC-5



USER NAME = mksosir	DESIGNED KJC	REVISED -
PLOT SCALE = 50:1	DRAWN KJC	REVISED -
PLOT DATE = 19-OCT-2012	CHECKED LVA	REVISED -
	DATE 10/19/12	REVISED -

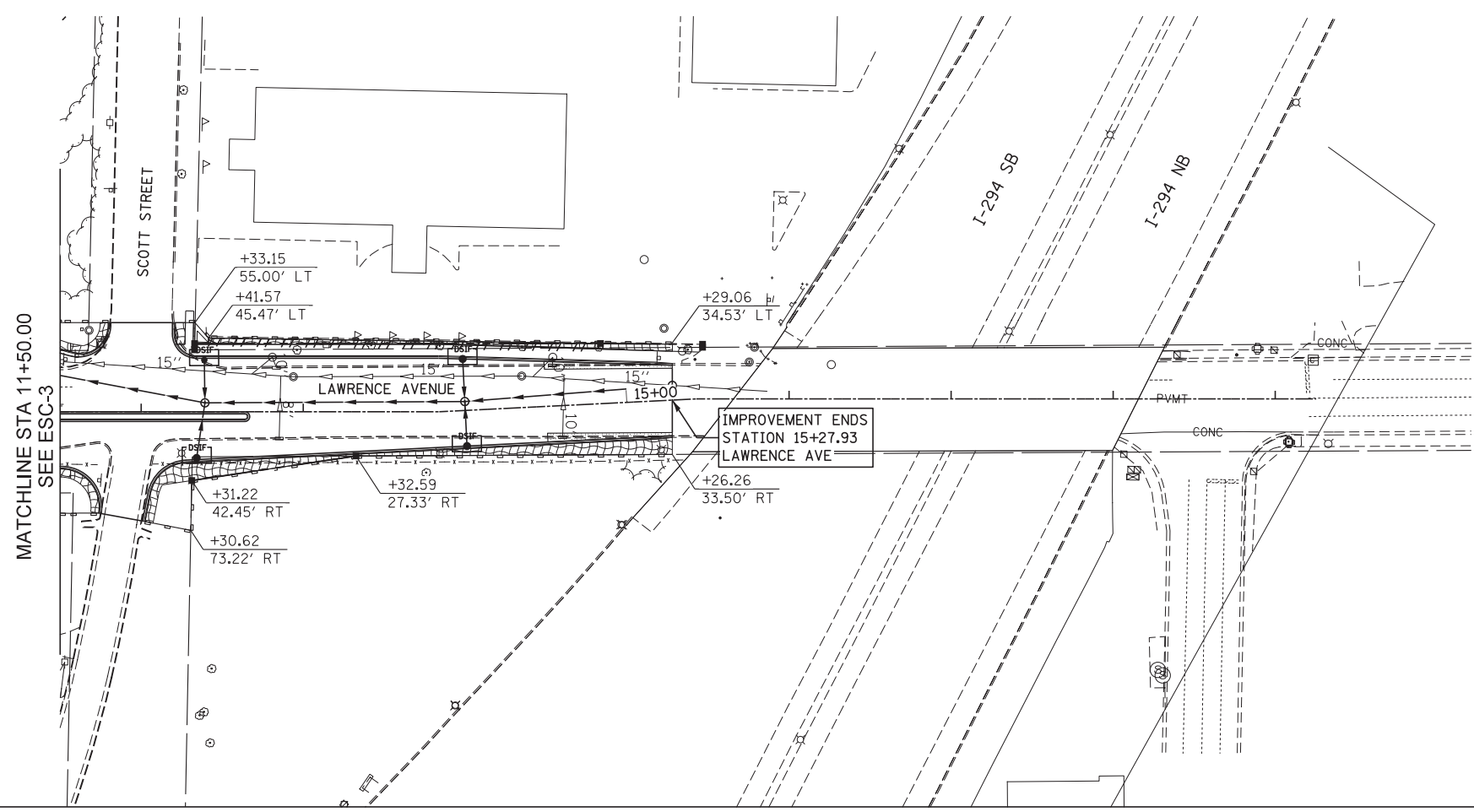
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLAN
MANNHEIM ROAD**















SCALE: 1" = 50' SHEET NO. 5 OF 7 SHEETS STA. 96+00.00 TO STA. EOP

F.A.P. RTE. 330	SECTION 0105 WRS&HB	COUNTY COOK	TOTAL SHEETS 605	SHEET NO. 175
				CONTRACT NO. 60G37
ILLINOIS FED. AID PROJECT				

FILE NAME = IP_PWP\dms47844\DI68G37-shr-eros_04.dgn



EROSION CONTROL LEGEND

-  PERIMETER EROSION BARRIER
-  DRAINAGE STRUCTURE INLET FILTER
-  TEMPORARY DITCH CHECK
-  TEMPORARY SEEDING AND EROSION CONTROL BLANKET
-  TEMPORARY SEEDING AND TURF REINFORCEMENT MATTING
-  TEMPORARY SEDIMENT BASIN
-  TREE TRUNK PROTECTION
-  TEMPORARY PIPE SLOPE DRAIN
-  ORANGE CONSTRUCTION FENCE
-  STORMWATER OUTLET
-  RIPRAP
-  PROPOSED DITCH
-  PROPOSED SWALE
-  PROPOSED SUMMIT

ESC-6



USER NAME = mkosir	DESIGNED KJC	REVISED -
	DRAWN KJC	REVISED -
PLOT SCALE = 50:1	CHECKED LVA	REVISED -
PLOT DATE = 19-OCT-2012	DATE 10/19/12	REVISED -




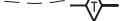

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**EROSION AND SEDIMENT CONTROL PLAN
LAWRENCE AVENUE**

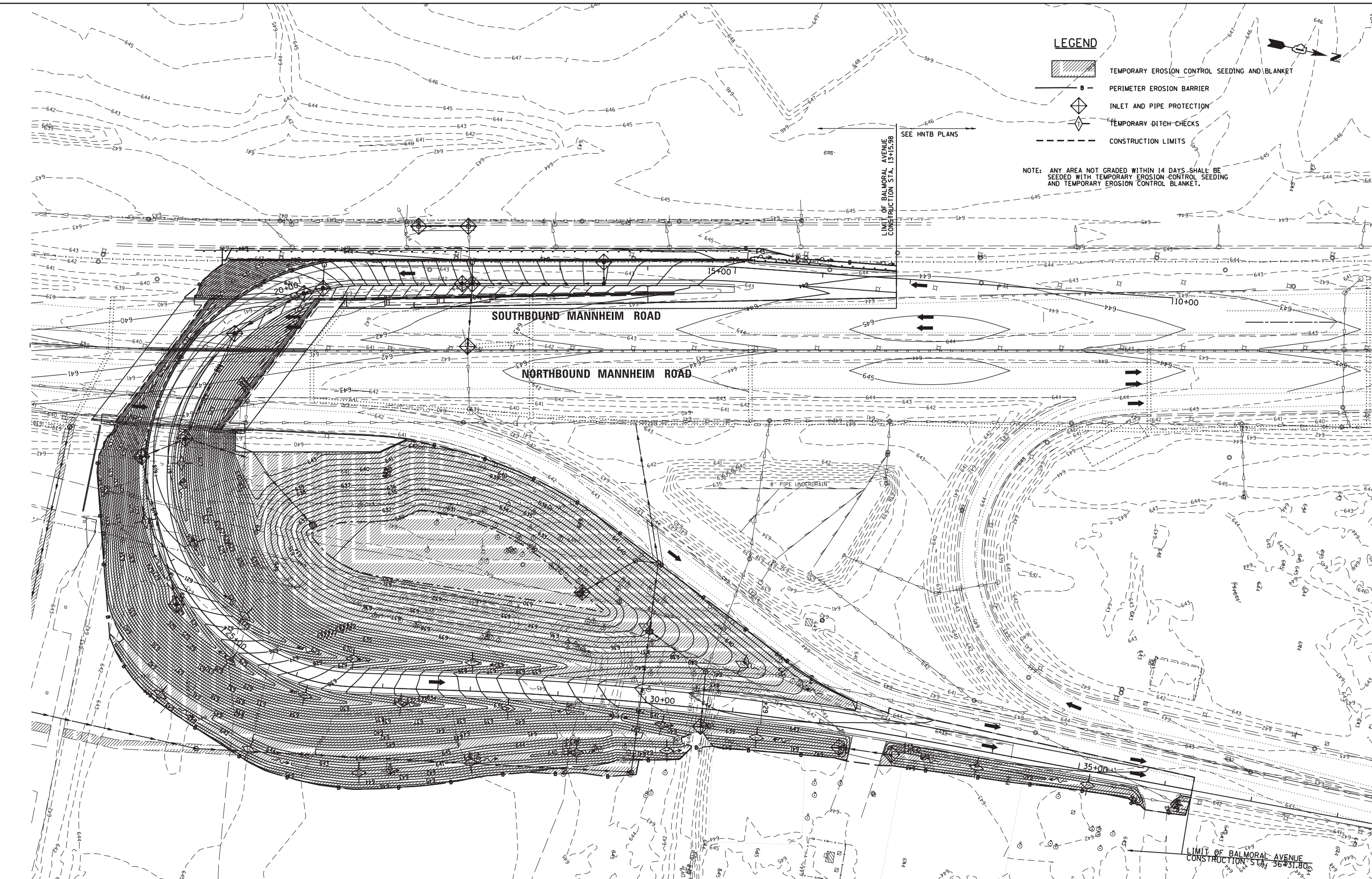
SCALE: 1" = 50' SHEET NO. 6 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105 WRS&HB	COOK	605	176
				CONTRACT NO. 60G37
ILLINOIS FED. AID PROJECT				

LEGEND

-  TEMPORARY EROSION CONTROL SEEDING AND BLANKET
-  PERIMETER EROSION BARRIER
-  INLET AND PIPE PROTECTION
-  TEMPORARY DITCH-CHECKS
-  CONSTRUCTION LIMITS

NOTE: ANY AREA NOT GRADED WITHIN 14 DAYS SHALL BE SEEDED WITH TEMPORARY EROSION CONTROL SEEDING AND TEMPORARY EROSION CONTROL BLANKET.



CB CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 923-0900

USER NAME = pmagnelli
 DESIGNED - NJM
 DRAWN - PWN
 CHECKED - SNS
 DATE - 10/17/2012

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

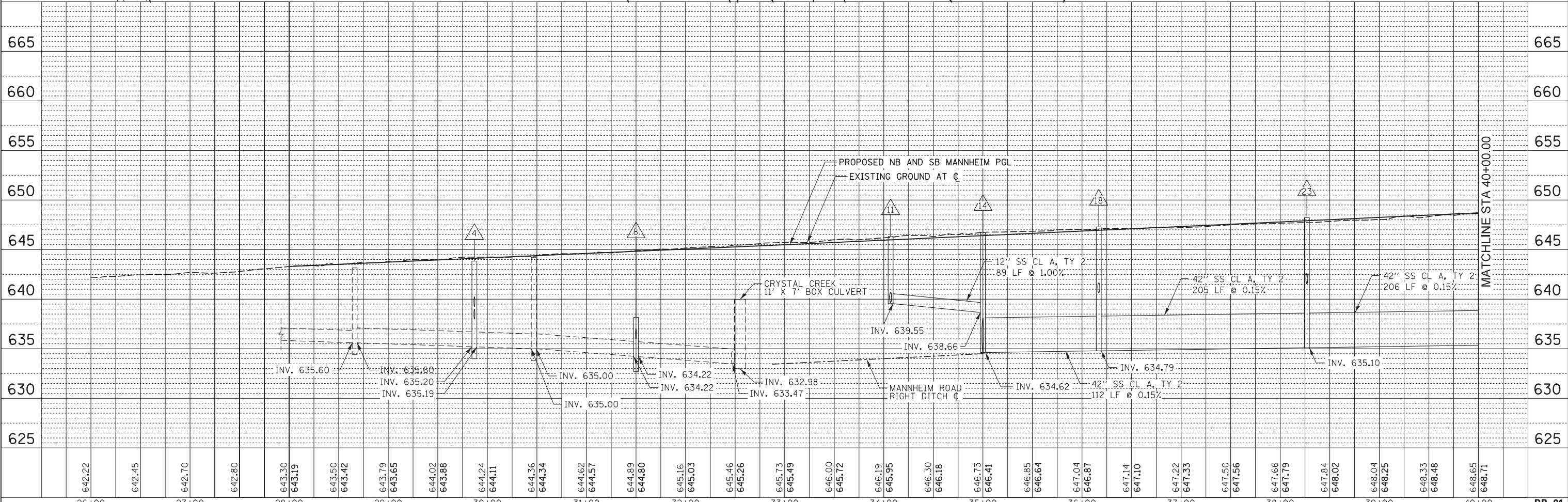
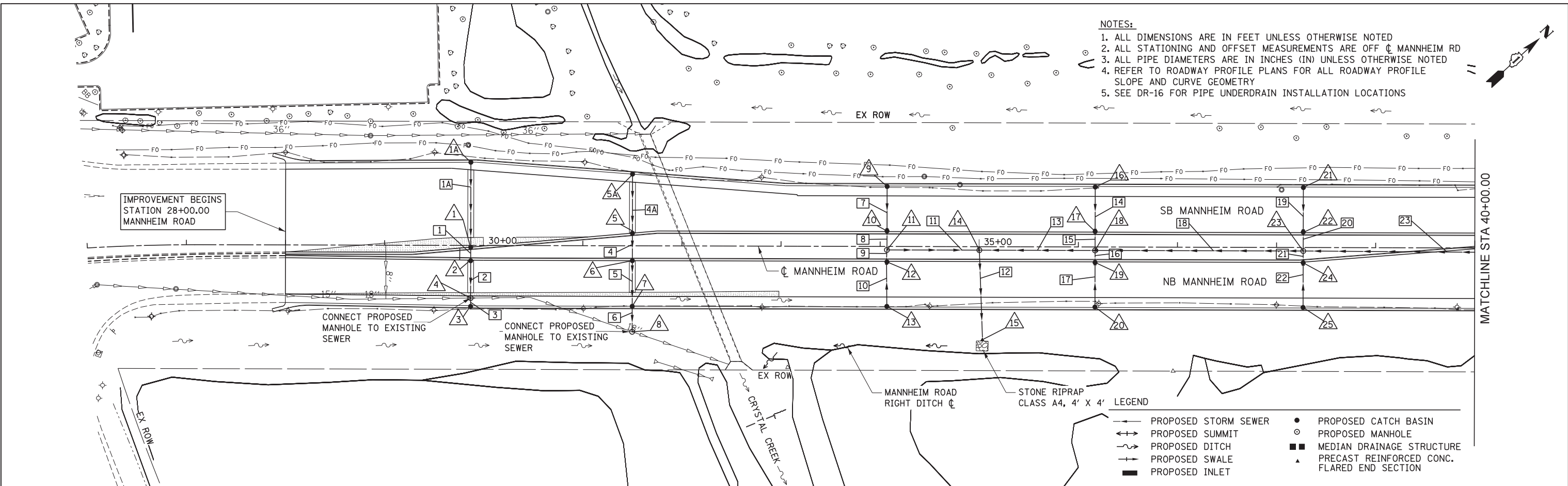
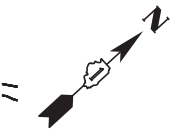
**EROSION AND SEDIMENT CONTROL PLAN
 BALMORAL UNDERPASS**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105 WRS&HB	COOK	605	177
CONTRACT NO. 60G37				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHKD	
	NOTE BOOK NO.	
	CARD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
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	NOTE BOOK NO.	
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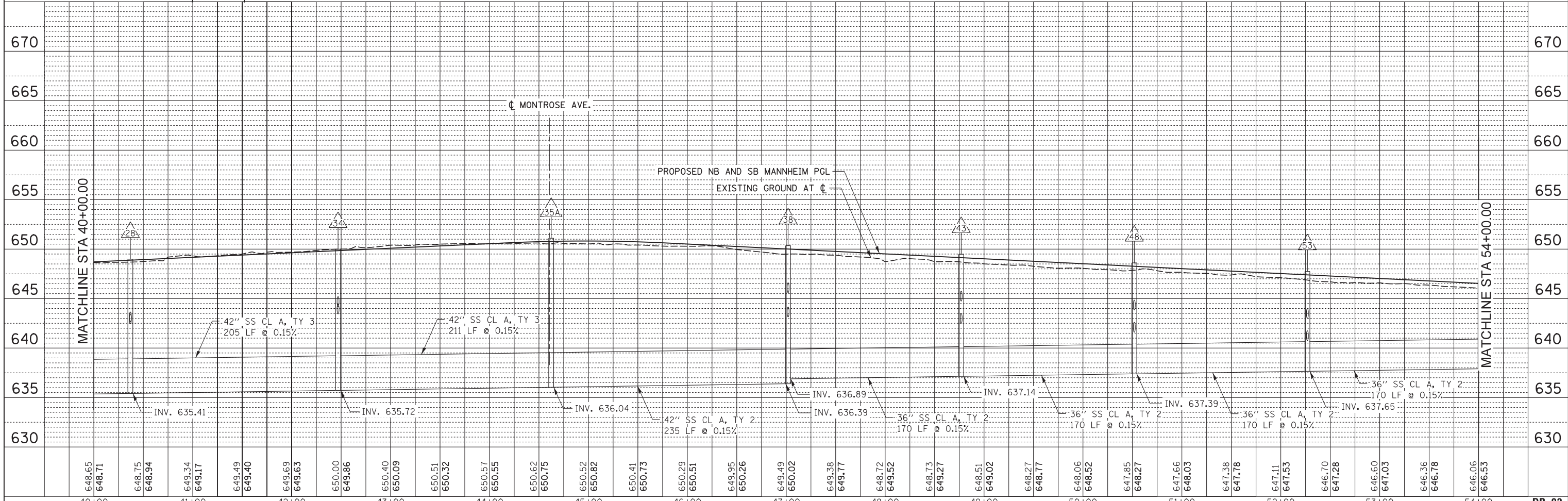
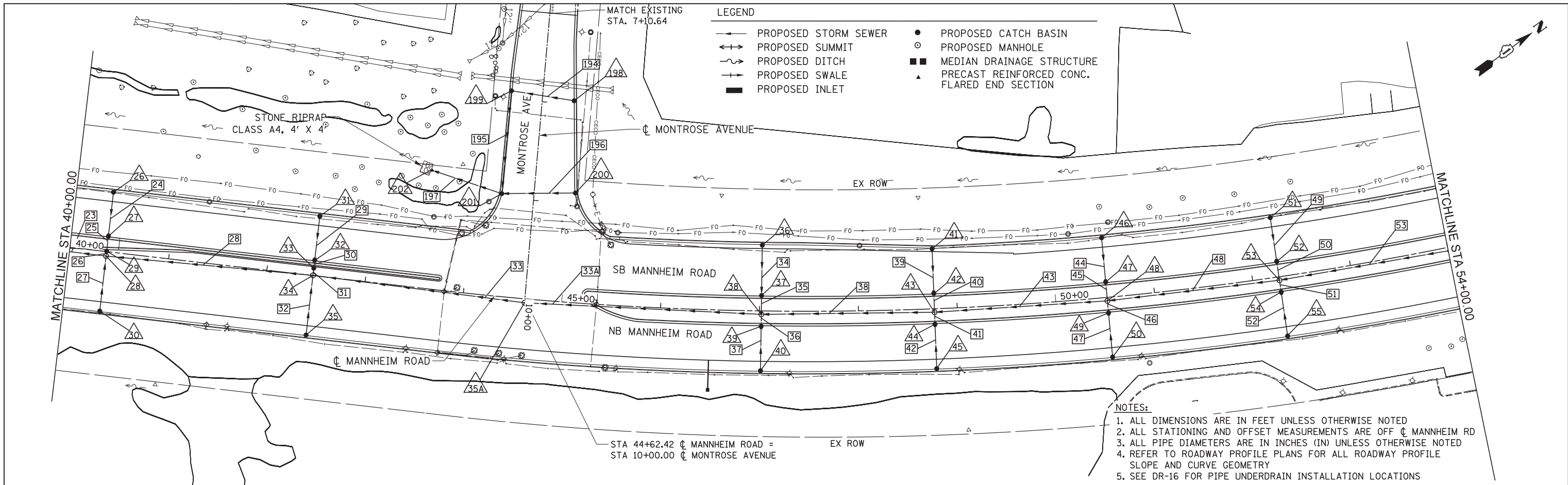
- NOTES:**
1. ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE NOTED
 2. ALL STATIONING AND OFFSET MEASUREMENTS ARE OFF \bar{C} MANNHEIM RD
 3. ALL PIPE DIAMETERS ARE IN INCHES (IN) UNLESS OTHERWISE NOTED
 4. REFER TO ROADWAY PROFILE PLANS FOR ALL ROADWAY PROFILE SLOPE AND CURVE GEOMETRY
 5. SEE DR-16 FOR PIPE UNDERDRAIN INSTALLATION LOCATIONS



	USER NAME = mkostr	DESIGNED MAM/PMS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE PLAN AND PROFILE - MANNHEIM ROAD	F.A.P. 330	SECTION 0105 WRS&HB	COUNTY COOK	TOTAL SHEETS 605	SHEET NO. 178			
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	PLOT DATE = 19-OCT-2012	DATE 10/19/12	REVISED -			ILLINOIS FED. AID PROJECT							
	FILE NAME IP_PWP\dms47844\0160637-shd-dra\p1npr.f_01.dgn												

PLAN	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHKD	
	NOTE BOOK NO.	
	CHECKED	
	BY	
	DATE	

PROFILE	SURVEYED	DATE
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	DATE	

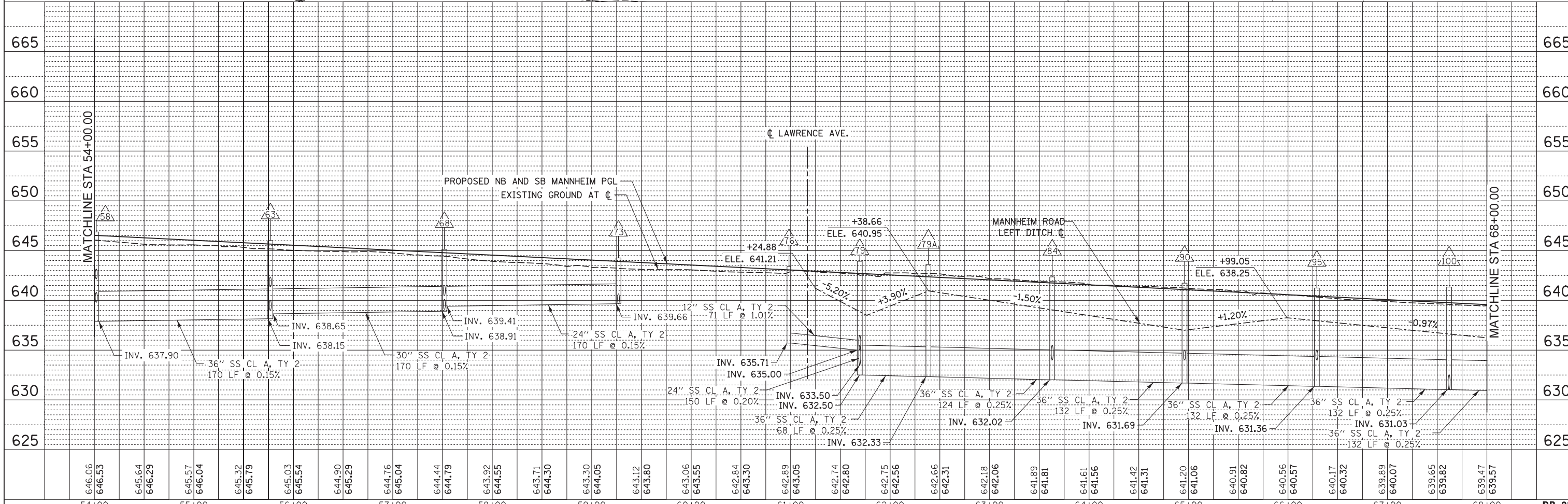
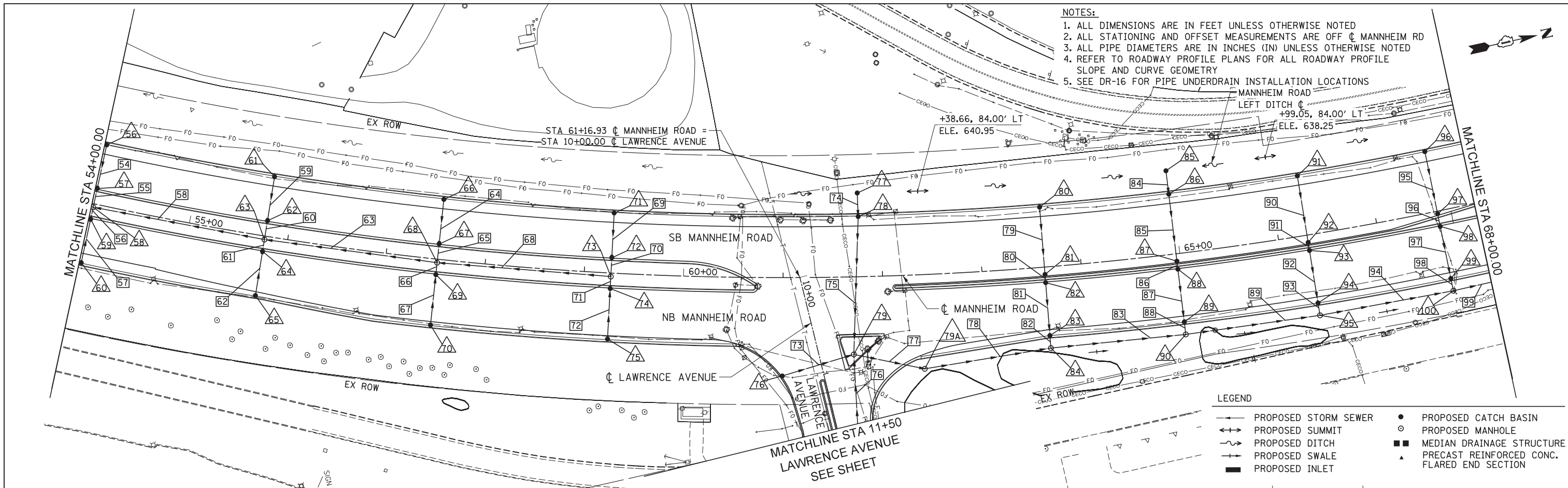


HNTB	USER NAME = mksosr	DESIGNED MAM/PMS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE PLAN AND PROFILE - MANNHEIM ROAD	F.A.P. 330	SECTION 0105 WRS&HB	COUNTY COOK	TOTAL SHEETS 605	SHEET NO. 179	
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	PLOT DATE = 19-OCT-2012	DATE 10/19/12	REVISED -			SCALE: 1" = 50' SHEET NO. 2 OF 8 SHEETS STA. 40+00.00 TO STA. 54+00.00					
	ILLINOIS FED. AID PROJECT										

FILE NAME IP_PWP\dms47844\DI68G37-shd-dra\p1nprf_02.dgn

PLAN	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHKD	
	NOTE BOOK NO.	
	CARD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
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	NOTE BOOK NO.	
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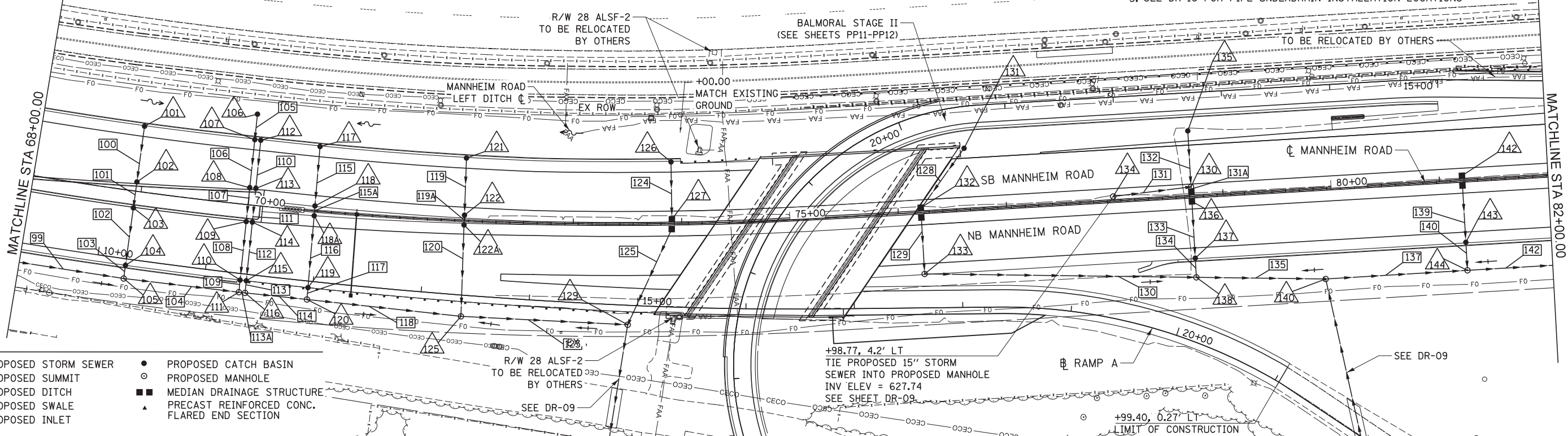
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	PLOT SCALE = 50:1	CHECKED MAM	REVISED -			SCALE: 1" = 50'	SHEET NO. 3 OF 8 SHEETS	STA. 54+00.00 TO STA. 68+00.00	CONTRACT NO. 60G37				
	PLOT DATE = 19-OCT-2012	DATE 10/19/12	REVISED -			ILLINOIS FED. AID PROJECT							
	DR-03												

FILE NAME IP_PWP\dms47844\DI68G37-shd-drainplanprf_03.dgn

- NOTES:**
1. ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE NOTED
 2. ALL STATIONING AND OFFSET MEASUREMENTS ARE OFF \bar{C} MANNHEIM RD
 3. ALL PIPE DIAMETERS ARE IN INCHES (IN) UNLESS OTHERWISE NOTED
 4. REFER TO ROADWAY PROFILE PLANS FOR ALL ROADWAY PROFILE SLOPE AND CURVE GEOMETRY
 5. SEE DR-16 FOR PIPE UNDERDRAIN INSTALLATION LOCATIONS

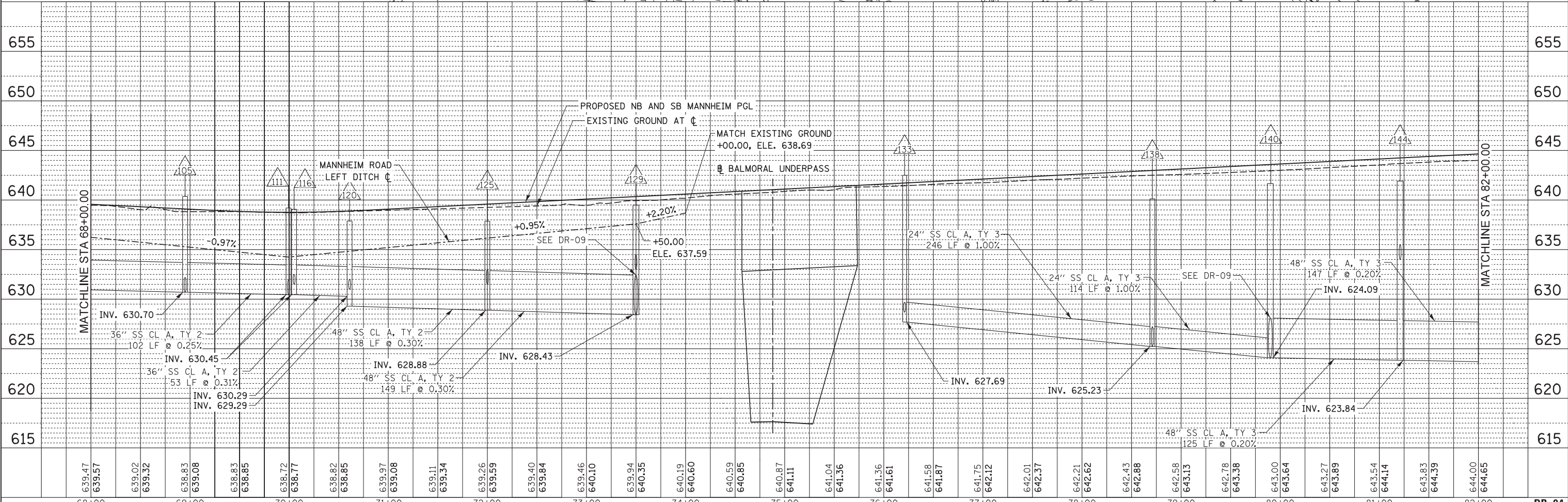


DATE	
BY	
PLAN	SURVEYED
	PLOTTED
	ALIGNED
	CHECKED
	DESIGNED
	FILED
NOTE BOOK NO.	
CARD FILE NAME	



- LEGEND**
- PROPOSED STORM SEWER
 - PROPOSED SUMMIT
 - PROPOSED DITCH
 - PROPOSED SWALE
 - PROPOSED INLET
 - PROPOSED CATCH BASIN
 - PROPOSED MANHOLE
 - MEDIAN DRAINAGE STRUCTURE
 - ▲ PRECAST REINFORCED CONC. FLARED END SECTION

DATE	
BY	
PROFILE	SURVEYED
	PLOTTED
	GRADES CHECKED
	STRUCTURE NOTATIONS CHKD
NOTE BOOK NO.	
STRUCTURE NOTATIONS CHKD	



USER NAME = mksosir
 DRAWN PMS
 CHECKED MAM
 DATE 10/19/12

DESIGNED MAM/PMS
 REVISIONS:
 REVISIONS:
 REVISIONS:
 REVISIONS:

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN AND PROFILE - MANNHEIM ROAD

SCALE: 1" = 50' SHEET NO. 4 OF 8 SHEETS STA. 68+00.00 TO STA. 82+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105 WRS&HB	COOK	605	181
CONTRACT NO. 60G37			ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	DATE
	ALIGNED	BY
	CHECKED	
	NOTED	
	FILED	
	NO.	

PROFILE	SURVEYED	DATE
	GRADES	BY
	CHECKED	
	STRUCTURE	
	NOTATIONS	
	CHFD	
	NO.	

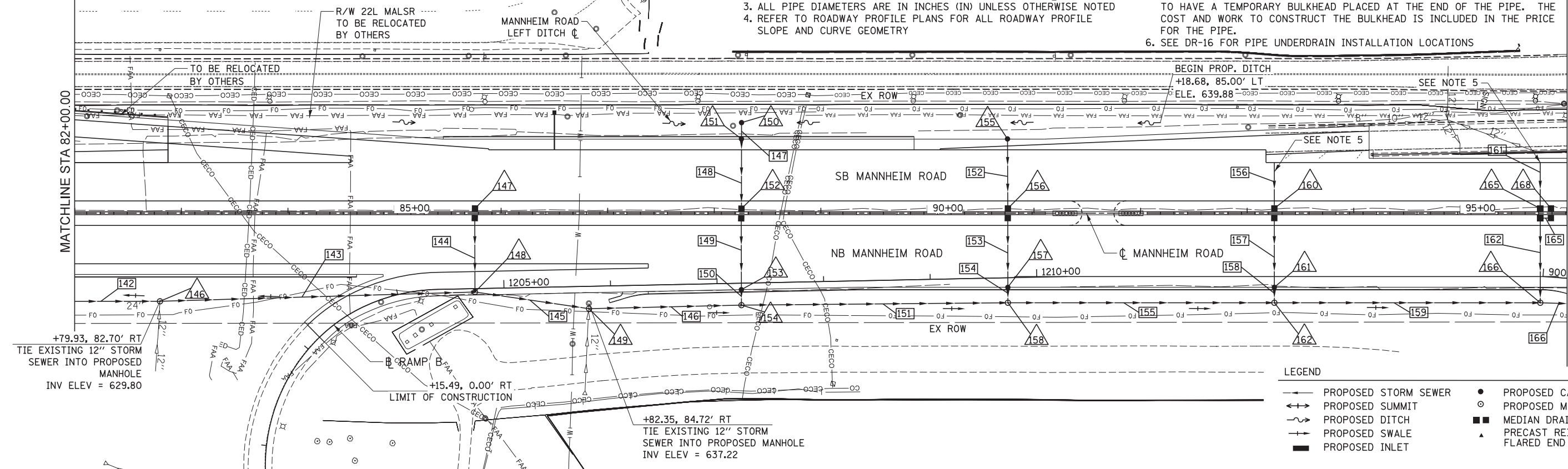
NOTES:

1. ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE NOTED
2. ALL STATIONING AND OFFSET MEASUREMENTS ARE OFF ϕ MANNHEIM RD
3. ALL PIPE DIAMETERS ARE IN INCHES (IN) UNLESS OTHERWISE NOTED
4. REFER TO ROADWAY PROFILE PLANS FOR ALL ROADWAY PROFILE SLOPE AND CURVE GEOMETRY
5. STORM SEWERS THAT WILL HAVE A FUTURE CONNECTION TO A DRAINAGE STRUCTURE CONSTRUCTED AS PART OF THE BALMORAL IMPROVEMENTS ARE TO HAVE A TEMPORARY BULKHEAD PLACED AT THE END OF THE PIPE. THE COST AND WORK TO CONSTRUCT THE BULKHEAD IS INCLUDED IN THE PRICE FOR THE PIPE.
6. SEE DR-16 FOR PIPE UNDERDRAIN INSTALLATION LOCATIONS



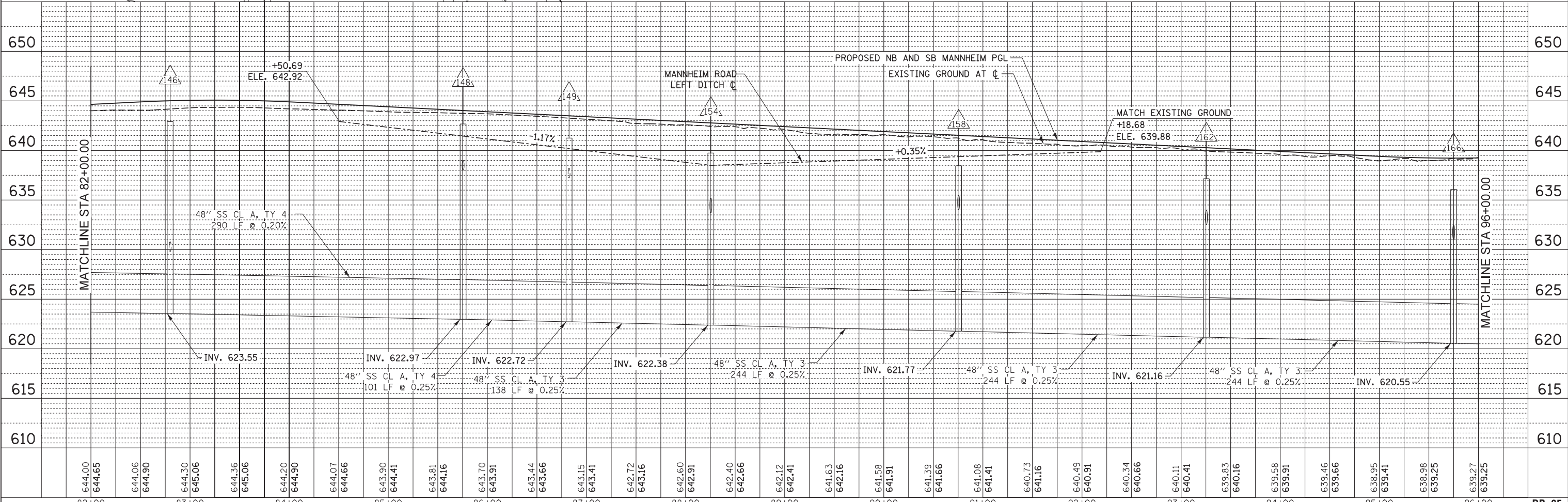
MATCHLINE STA 82+00.00

MATCHLINE STA 96+00.00



LEGEND

	PROPOSED STORM SEWER		PROPOSED CATCH BASIN
	PROPOSED SUMMIT		PROPOSED MANHOLE
	PROPOSED DITCH		MEDIAN DRAINAGE STRUCTURE
	PROPOSED SWALE		PRECAST REINFORCED CONC. FLARED END SECTION
	PROPOSED INLET		



82+00	83+00	84+00	85+00	86+00	87+00	88+00	89+00	90+00	91+00	92+00	93+00	94+00	95+00	96+00	DR-05																																										
644.00	644.65	644.06	644.90	644.30	645.06	644.36	645.06	644.20	644.90	644.07	644.66	643.90	644.41	643.81	644.16	643.70	643.91	643.44	643.66	643.15	643.41	642.72	643.16	642.60	642.91	642.40	642.66	642.12	642.41	641.63	642.16	641.58	641.91	641.39	641.66	641.08	641.41	640.73	641.16	640.49	640.91	640.34	640.66	640.11	640.41	639.83	640.16	639.58	639.91	639.46	639.66	638.95	639.41	638.98	639.25	639.27	639.25
USER NAME = mksosir			DESIGNED MAM/PMS			REVISED -			DRAWN PMS			REVISED -			CHECKED MAM			REVISED -			DATE 10/19/12			REVISED -			SCALE: 1" = 50'			SHEET NO. 5 OF 8 SHEETS			STA. 82+00.00 TO STA. 96+00.00			F.A.P. RTE. 330			SECTION 0105 WRS&HB			COUNTY COOK			TOTAL SHEETS 605			SHEET NO. 182			CONTRACT NO. 60G37						



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

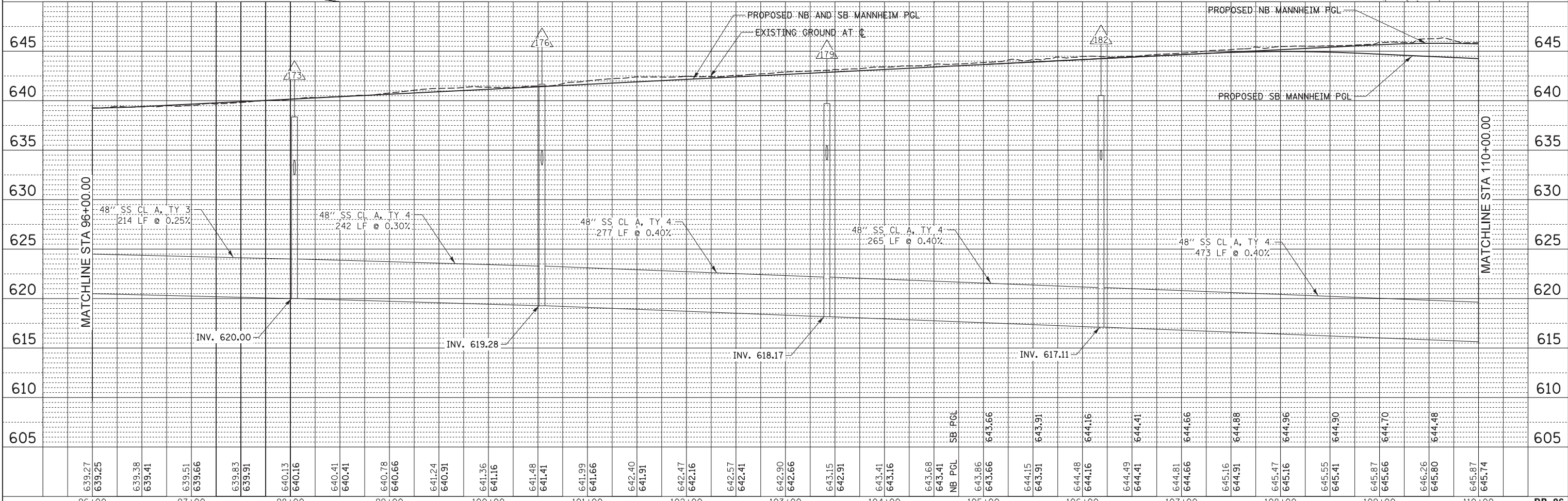
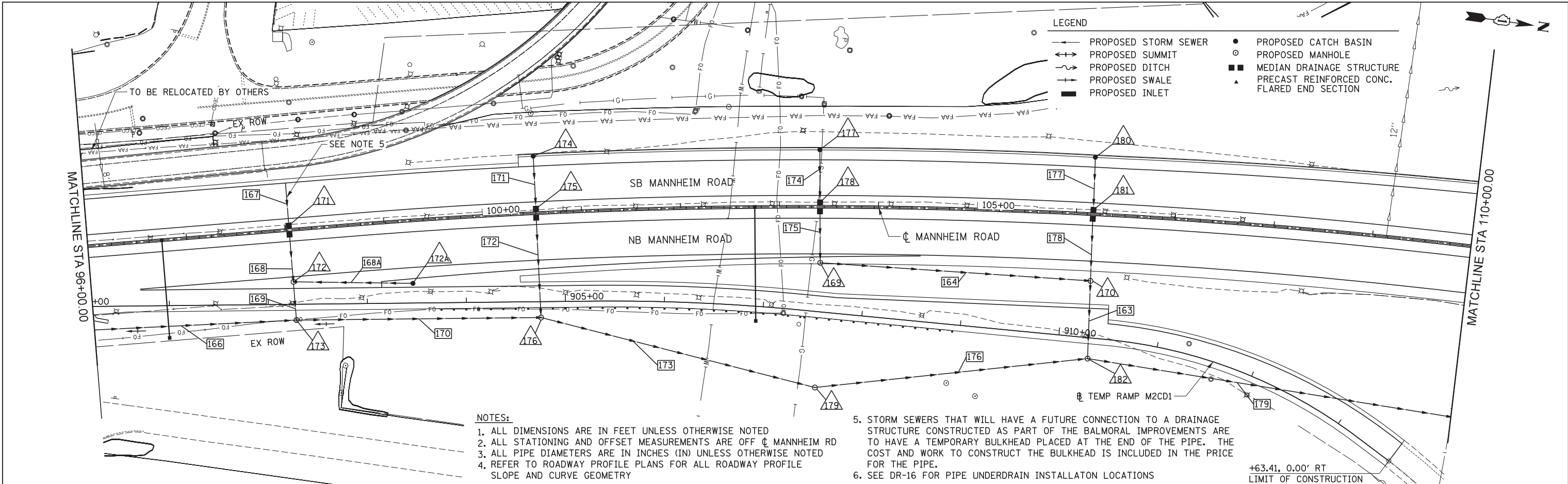
DRAINAGE PLAN AND PROFILE - MANNHEIM ROAD

F.A.P. RTE. 330	SECTION 0105 WRS&HB	COUNTY COOK	TOTAL SHEETS 605	SHEET NO. 182
CONTRACT NO. 60G37				
ILLINOIS FED. AID PROJECT				

FILE NAME IP_PWP\dms47844\0160637-shd-dra\mplanr\F_05.dgn

PLAN	SURVEYED	DATE
	PLOTTED	BY
	NOTE BOOK	
	NO.	
	CHECKED	
	FILE NAME	

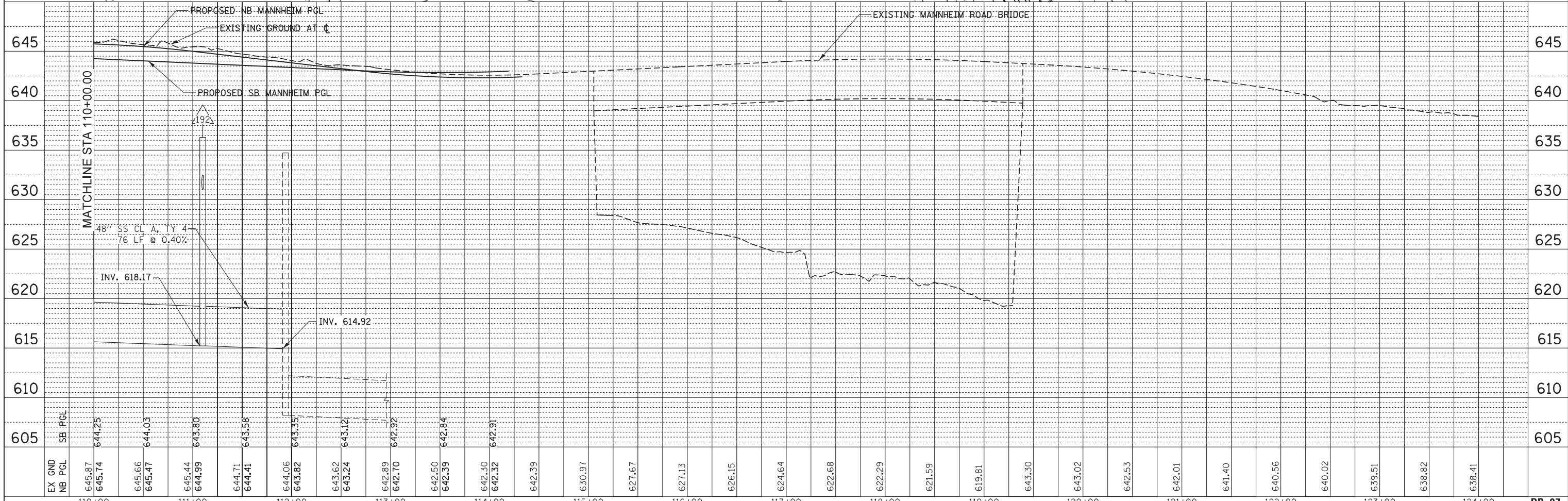
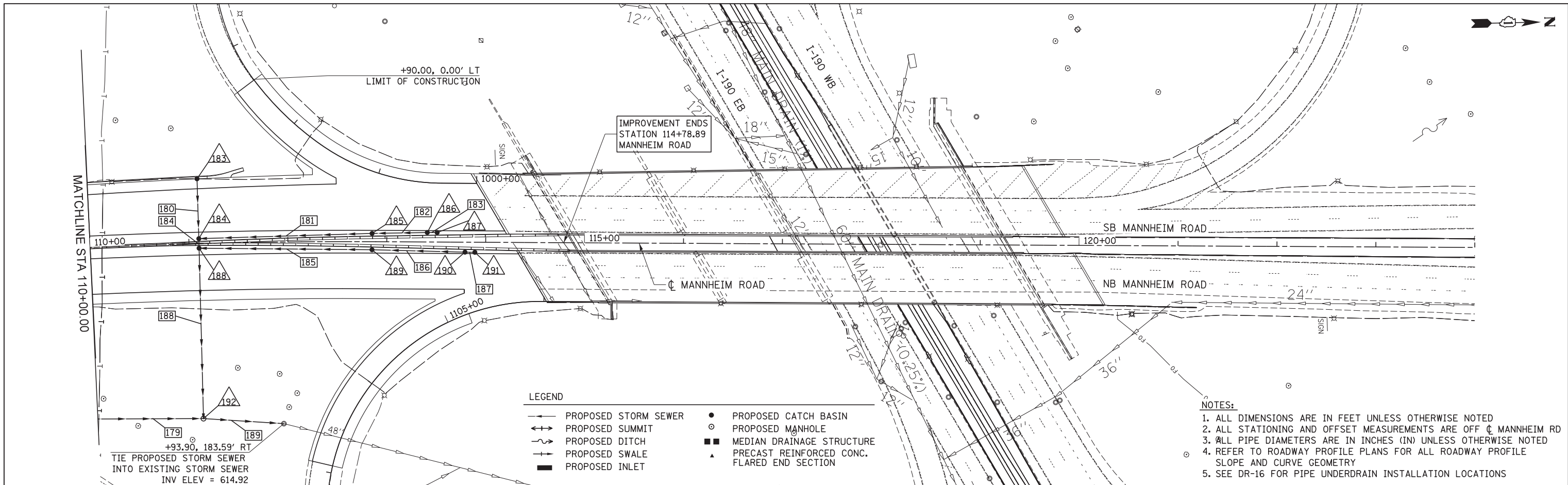
PROFILE	SURVEYED	DATE
	PLOTTED	BY
	NOTE BOOK	
	NO.	
	CHECKED	
	FILE NAME	



HNTB USER NAME = mkosar DESIGNED MAM/PMS DRAWN PMS CHECKED MAM DATE 10/19/12	REVISIONS REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DRAINAGE PLAN AND PROFILE - MANNHEIM ROAD SCALE: 1" = 50' SHEET NO. 6 OF 8 SHEETS STA. 96+00.00 TO STA. 110+00.00	F.A.P. RT. 330 SECTION 0105 WRS&HB COUNTY COOK TOTAL SHEETS 605 SHEET NO. 183 CONTRACT NO. 60G37
	TOTAL SHEETS 605 SHEET NO. 183		
	COUNTY COOK TOTAL SHEETS 605 SHEET NO. 183		
	CONTRACT NO. 60G37 ILLINOIS FED. AID PROJECT		

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNED		
	CHECKED		
	DESIGNED		
	NO. _____		
	CARD FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHKD		
	NO. _____		



EX GND	645.87	645.74	645.66	645.47	645.44	644.99	644.71	644.41	644.06	643.82	643.62	643.24	642.89	642.70	642.50	642.39	642.39	630.97	627.67	627.13	626.15	624.64	622.68	622.29	621.59	619.81	643.30	643.02	642.53	642.01	641.40	640.56	640.02	639.51	638.82	638.41						
NB PGL	644.25	644.03	643.80	643.58	643.35	643.12	642.92	642.84	642.91																																	
SB PGL																																										



USER NAME =	mksosr	DESIGNED	MAM/PMS	REVISED	-
		DRAWN	PMS	REVISED	-
PLOT SCALE =	50:1	CHECKED	MAM	REVISED	-
PLOT DATE =	19-OCT-2012	DATE	10/19/12	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

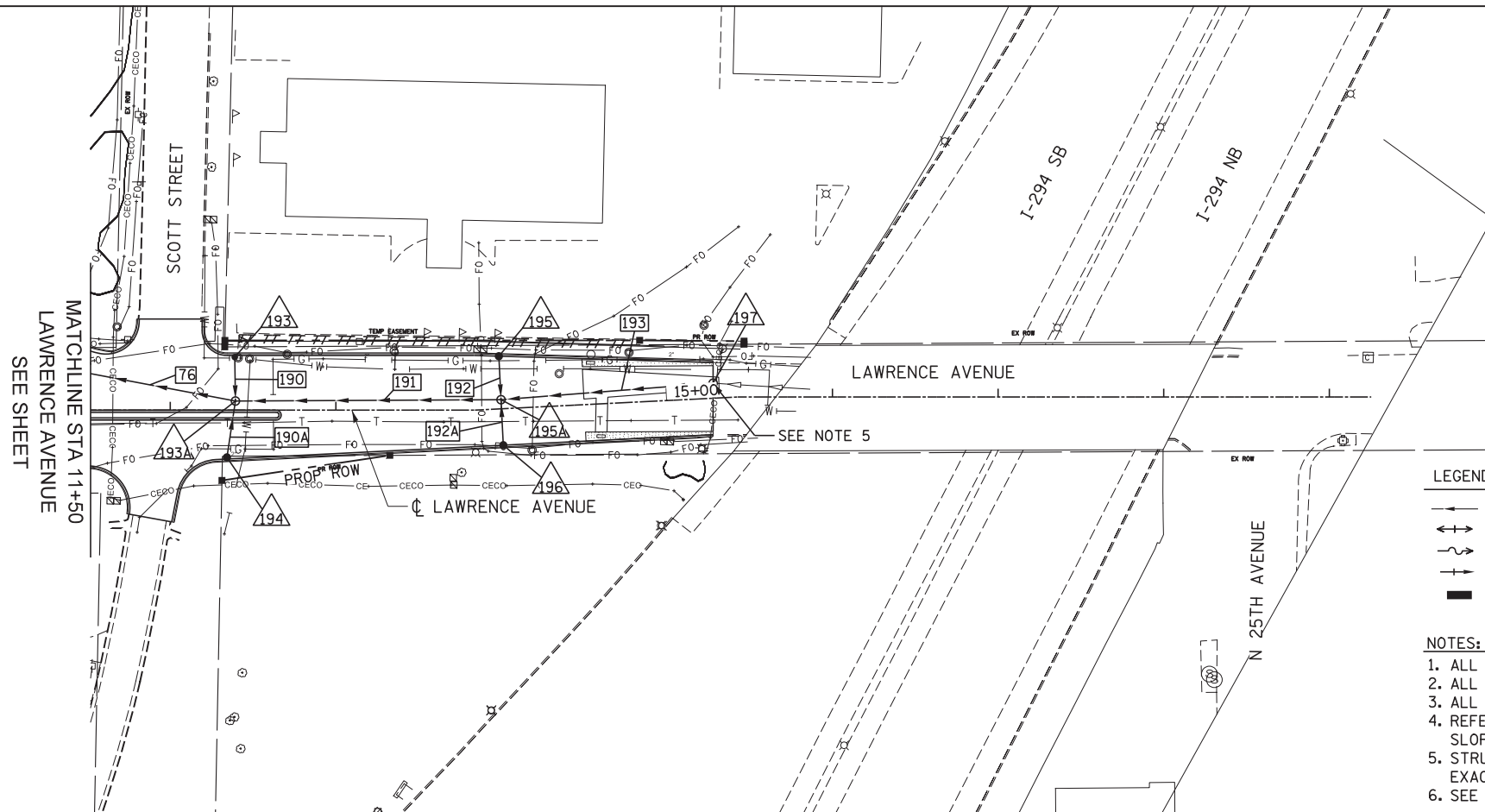
DRAINAGE PLAN AND PROFILE - MANNHEIM ROAD

SCALE: 1" = 50' SHEET NO. 7 OF 8 SHEETS STA. 110+00.00 TO STA. EOP

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105 WRS&HB	COOK	605	184
CONTRACT NO. 60G37				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	NOTE BOOK		
	NO.		
	CHECKED		
	FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	NOTE BOOK		
	NO.		
	CHECKED		
	FILE NAME		

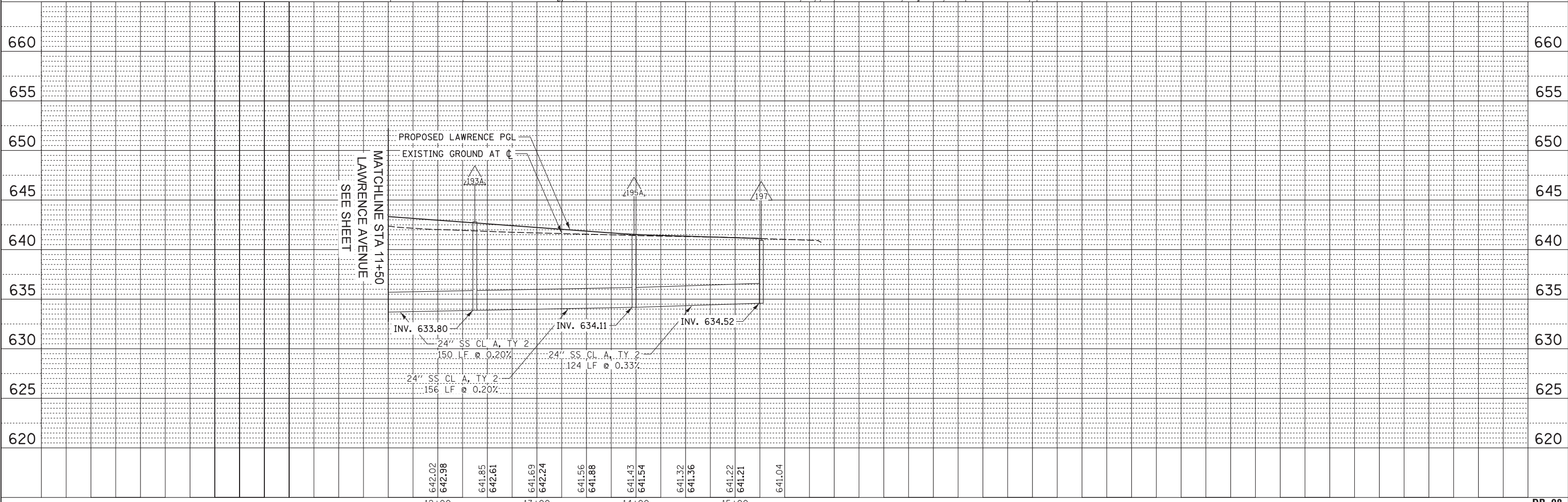


LEGEND

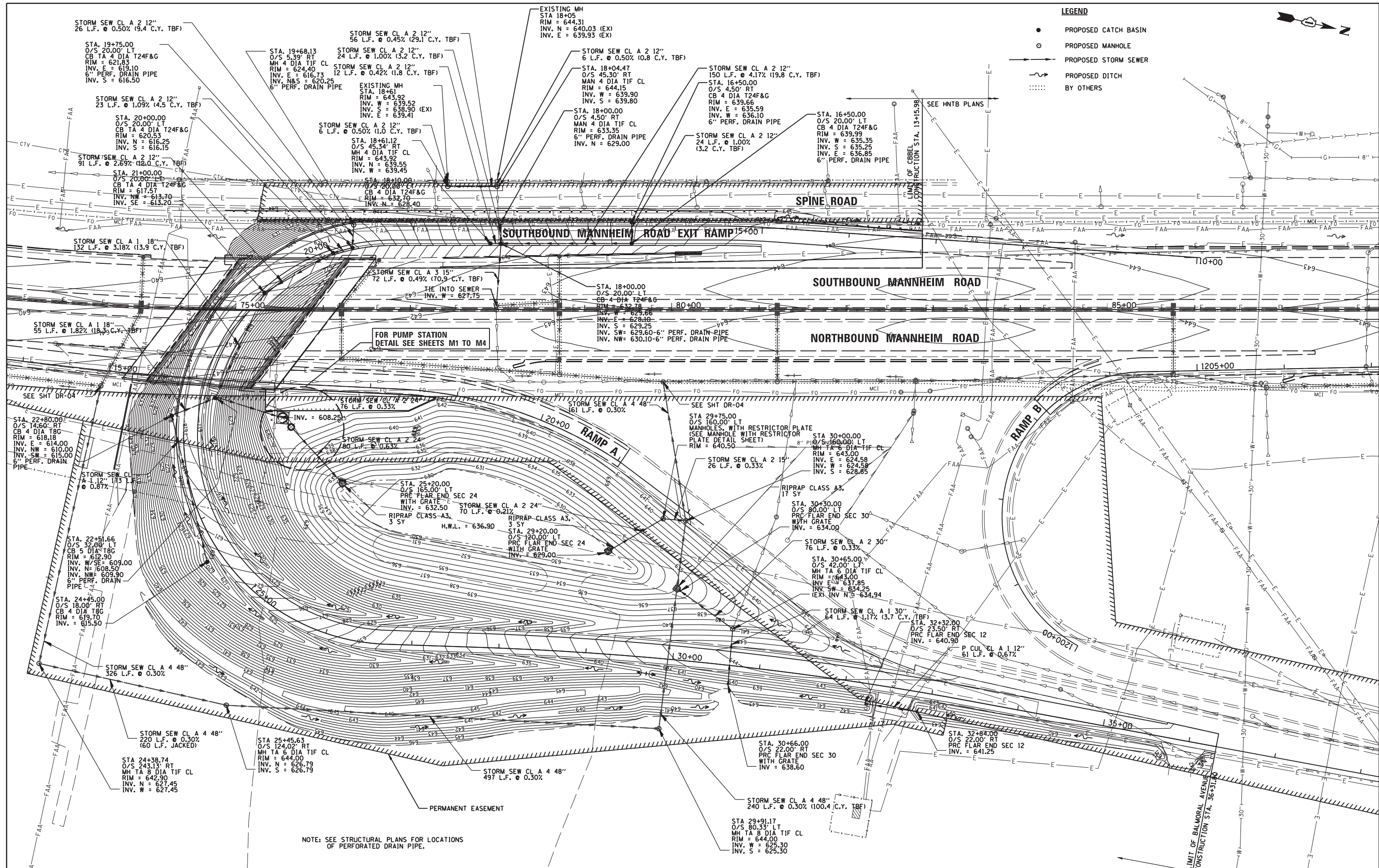
- PROPOSED STORM SEWER
- PROPOSED SUMMIT
- PROPOSED DITCH
- PROPOSED SWALE
- PROPOSED INLET
- PROPOSED CATCH BASIN
- PROPOSED MANHOLE
- MEDIAN DRAINAGE STRUCTURE
- ▲ PRECAST REINFORCED CONC. FLARED END SECTION

NOTES:

1. ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE NOTED
2. ALL STATIONING AND OFFSET MEASUREMENTS ARE OFF C MANNHEIM RD
3. ALL PIPE DIAMETERS ARE IN INCHES (IN) UNLESS OTHERWISE NOTED
4. REFER TO ROADWAY PROFILE PLANS FOR ALL ROADWAY PROFILE SLOPE AND CURVE GEOMETRY
5. STRUCTURE 197 SHOULD BE CONNECTED TO EXISTING STORM SEWER. EXACT LOCATION TO BE VERIFIED IN FIELD.
6. SEE DR-16 FOR PIPE UNDERDRAIN INSTALLATION LOCATIONS



HNTB	USER NAME = mikosir	DESIGNED MAM/PMS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE PLAN AND PROFILE - LAWRENCE AVENUE	F.A.P. RTE. 330	SECTION 0105 WRS&HB	COUNTY COOK	TOTAL SHEETS 605	SHEET NO. 185	DR-08
	PLOT SCALE = 50:1	CHECKED MAM	REVISED -			CONTRACT NO. 60G37					
	PLOT DATE = 19-OCT-2012	DATE 10/19/12	REVISED -			ILLINOIS FED. AID PROJECT					
	SCALE: 1" = 50'		SHEET NO. 8 OF 8 SHEETS			STA. BOP TO STA. EOP					



CHRISTOPHER B. BURKE ENGINEERING, LTD.
 1075 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 929-0900

USER NAME = pmagnelli	DESIGNED - NJM	REVISED -
PLOT SCALE = 1/8" = 1'	DRAWN - PWN	REVISED -
PLOT DATE = 10/17/2012	CHECKED - SNS	REVISED -
	DATE = 10/17/2012	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PROPOSED DRAINAGE PLAN BALMORAL UNDERPASS			
SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105 WRS&HB	COOK	605	186
CONTRACT NO. 60G37				
ILLINOIS FED. AID PROJECT				

DRAINAGE STRUCTURE DATA

STRUCTURE NO.	DESCRIPTION	STATION	OFFSET	DIR.	PROPOSED RIM ELEV.	NORTH	SOUTH	EAST	WEST	PIPE ID-PIPE SIZE NORTH	PIPE ID-PIPE SIZE SOUTH	PIPE ID-PIPE SIZE EAST	PIPE ID-PIPE SIZE WEST	IDOT SHEET NO.	NOTES:
001A	4' DIA CB TY A T24	29+86.90	83.9	L	643.13			639.50				1A - DIA12"		DR-01	
001	4' DIA CB TY A T24	29+86.90	1.7	R	644.50			638.75	638.75			1 - DIA12"	1A - DIA12"	DR-01	
002	4' DIA CB TY A T24	29+86.90	14.9	R	644.18			638.50	638.50			2 - DIA12"	1 - DIA12"	DR-01	
003	4' DIA CB TY A T24	29+86.90	60.8	R	643.53			639.50	639.50				3 - DIA12"	DR-01	
004	4' DIA MH TY A T1F, CL	29+86.90	53.1	R	643.84			639.25	638.00			3 - DIA12"	2 - DIA12"	DR-01	CONNECT PROP. MH TO EXISTING PIPE
005A	4' DIA CB TY A T24	31+50.00	72.3	L	644.15			640.50				4A - DIA12"		DR-01	
005	4' DIA CB TY A T24	31+50.00	15.0	L	644.90			640.00	640.00			4 - DIA12"	4A - DIA12"	DR-01	
006	4' DIA CB TY A T24	31+50.00	15.0	R	644.89			639.50	639.50			5 - DIA12"	4 - DIA12"	DR-01	
007	4' DIA CB TY A T24	31+50.00	61.0	R	644.04			636.25	639.00			6 - DIA12"	5 - DIA12"	DR-01	
008	4' DIA MH TY A T1F, CL	31+50.00	86.7	R	638.17			638.17	636.00				6 - DIA12"	DR-01	CONNECT PROP. MH TO EXISTING PIPE
009	4' DIA CB TY A T24	34+06.90	61.0	L	644.80			640.31				7 - DIA12"		DR-01	
010	4' DIA CB TY A T24	34+06.90	15.0	L	645.98			639.80	639.90			8 - DIA12"	7 - DIA12"	DR-01	
011	4' DIA MH TY A T1F, CL	34+06.90	3.5	R	646.33	639.55		639.70	639.66	11 - DIA 12 "		9 - DIA12"	8 - DIA12"	DR-01	
012	4' DIA CB TY A T24	34+06.90	15.0	R	645.98			639.90	639.80			10 - DIA12"	9 - DIA12"	DR-01	
013	4' DIA CB TY A T24	34+06.90	61.0	R	644.80			640.31					10 - DIA12"	DR-01	
014	6' DIA MH TY A W/ RESTRICTOR PLATE T1F, CL (2x)	35+00.00	3.5	R	646.76	634.62	638.66	634.62		13 - DIA 42 "	11 - DIA 12 "	12 - DIA42"		DR-01	SEE D-1 STANDARD FOR DETAILS
015	42" FES	35+03.50	91.4	R	634.50				634.50				12 - DIA42"	DR-01	
016	4' DIA CB TY A T24	36+16.90	61.0	L	645.76			641.26				14 - DIA12"		DR-01	
017	4' DIA CB TY A T24	36+16.90	15.0	L	646.94			640.76	640.85			15 - DIA12"	14 - DIA12"	DR-01	
018	5' DIA MH TY A T1F, CL	36+16.90	3.5	R	647.29	634.79	634.79	640.65	640.65	18 - DIA 42 "	13 - DIA 42 "	16 - DIA12"	15 - DIA12"	DR-01	
019	4' DIA CB TY A T24	36+16.90	15.0	R	646.95			640.85	640.76			17 - DIA12"	16 - DIA12"	DR-01	
020	4' DIA CB TY A T24	36+16.90	61.0	R	645.77				641.26				17 - DIA12"	DR-01	
021	4' DIA CB TY A T24	38+26.90	61.0	L	646.73			642.21				19 - DIA12"		DR-01	
022	4' DIA CB TY A T24	38+26.90	15.0	L	647.91			641.69	641.80			20 - DIA12"	19 - DIA12"	DR-01	
023	5' DIA MH TY A T1F, CL	38+26.90	3.5	R	648.24	635.10	635.10	641.55	641.60	23 - DIA 42 "	18 - DIA 42 "	21 - DIA12"	20 - DIA12"	DR-01	
024	4' DIA CB TY A T24	38+26.90	15.0	R	647.91			641.80	641.68			22 - DIA12"	21 - DIA12"	DR-01	
025	4' DIA CB TY A T24	38+26.90	61.0	R	646.74				642.21				22 - DIA12"	DR-01	
026	4' DIA CB TY A T24	40+36.90	61.0	L	647.70			643.21				24 - DIA12"		DR-02	REPLACE CONE RISER WITH REINFORCED FLAT SLAB TOP
027	4' DIA CB TY A T24	40+36.90	15.0	L	648.88			642.69	642.80			25 - DIA12"	24 - DIA12"	DR-02	
028	5' DIA MH TY A T1F, CL	40+36.90	4.5	R	648.98	635.41	635.41	642.60	642.45	28 - DIA 42 "	23 - DIA 42 "	27 - DIA12"	26 - DIA12"	DR-02	
029	4' DIA CB TY A T24	40+36.90	2.1	L	648.88			642.47	642.65			26 - DIA12"	25 - DIA12"	DR-02	
030	4' DIA CB TY A T24	40+36.90	61.0	R	647.93				643.17				27 - DIA12"	DR-02	
031	4' DIA CB TY A T24	42+46.90	61.0	L	648.66			644.16				29 - DIA12"		DR-02	
032	4' DIA CB TY A T24	42+46.90	15.0	L	649.84			643.64	643.75			30 - DIA12"	29 - DIA12"	DR-02	
033	4' DIA CB TY A T24	42+46.90	9.0	L	649.85			643.48	643.60			31 - DIA12"	30 - DIA12"	DR-02	
034	5' DIA MH TY A T1F, CL	42+46.90	0.2	L	649.98	635.72	635.72	644.20	643.45	33 - DIA 42 "	28 - DIA 42 "	32 - DIA12"	31 - DIA12"	DR-02	
035	4' DIA CB TY A T24	42+46.90	61.0	R	650.20				644.76				32 - DIA12"	DR-02	
035A	5' DIA MH TY A T1F, CL	44+62.42	4.0	R	651.10	636.04	636.04			33A - DIA 42 "	33 - DIA 42 "			DR-02	
036	4' DIA CB TY A T24	47+01.90	67.0	L	648.31			643.82				34 - DIA12"		DR-02	REPLACE CONE RISER WITH REINFORCED FLAT SLAB TOP
037	4' DIA CB TY A T24	47+01.90	15.0	L	650.01			643.25	643.35			35 - DIA12"	34 - DIA12"	DR-02	
038	5' DIA MH TY A T1F, CL	47+01.90	3.5	R	650.35	636.89	636.39	645.60	643.15	38 - DIA 36 "	033A- DIA 42 "	36 - DIA12"	35 - DIA12"	DR-02	
039	4' DIA CB TY A T24	47+01.90	15.0	R	650.01			645.85	645.72			37 - DIA12"	36 - DIA12"	DR-02	REPLACE CONE RISER WITH REINFORCED FLAT SLAB TOP
040	4' DIA CB TY A T24	47+01.90	61.0	R	650.76				646.26				37 - DIA12"	DR-02	REPLACE CONE RISER WITH REINFORCED FLAT SLAB TOP
041	4' DIA CB TY A T24	48+76.90	61.0	L	647.63			643.11				39 - DIA12"		DR-02	REPLACE CONE RISER WITH REINFORCED FLAT SLAB TOP
042	4' DIA CB TY A T24	48+76.90	15.0	L	649.13			642.59	642.70			40 - DIA12"	39 - DIA12"	DR-02	
043	5' DIA MH TY A T1F, CL	48+76.90	3.5	R	649.48	637.14	637.14	644.75	642.50	43 - DIA 36 "	38 - DIA 36 "	41 - DIA12"	40 - DIA12"	DR-02	
044	4' DIA CB TY A T24	48+76.90	15.0	R	649.14			645.00	644.88			42 - DIA12"	41 - DIA12"	DR-02	REPLACE CONE RISER WITH REINFORCED FLAT SLAB TOP
045	4' DIA CB TY A T24	48+76.90	61.0	R	649.88				645.41				42 - DIA12"	DR-02	REPLACE CONE RISER WITH REINFORCED FLAT SLAB TOP
046	4' DIA CB TY A T24	50+51.90	61.0	L	646.71			642.21				44 - DIA12"		DR-02	REPLACE CONE RISER WITH REINFORCED FLAT SLAB TOP
047	4' DIA CB TY A T24	50+51.90	15.0	L	648.26			641.69	641.80			45 - DIA12"	44 - DIA12"	DR-02	
048	5' DIA MH TY A T1F, CL	50+51.90	3.5	R	648.61	637.39	637.39	643.85	641.60	48 - DIA 36 "	43 - DIA 36 "	46 - DIA12"	45 - DIA12"	DR-02	
049	4' DIA CB TY A T24	50+51.90	15.0	R	648.27			644.10	643.98			47 - DIA12"	46 - DIA12"	DR-02	REPLACE CONE RISER WITH REINFORCED FLAT SLAB TOP
050	4' DIA CB TY A T24	50+51.90	61.0	R	649.02				644.51				47 - DIA12"	DR-02	REPLACE CONE RISER WITH REINFORCED FLAT SLAB TOP
051	4' DIA CB TY A T24	52+26.90	61.0	L	645.85			641.36				49 - DIA12"		DR-02	REPLACE CONE RISER WITH REINFORCED FLAT SLAB TOP
052	4' DIA CB TY A T24	52+26.90	15.0	L	647.39			640.86	640.95			50 - DIA12"	49 - DIA12"	DR-02	
053	5' DIA MH TY A T1F, CL	52+26.90	3.5	R	647.74	637.65	637.65	643.00	640.75	53 - DIA 36 "	48 - DIA 36 "	51 - DIA12"	50 - DIA12"	DR-02	
054	4' DIA CB TY A T24	52+26.90	15.0	R	647.40			643.25	643.12			52 - DIA12"	51 - DIA12"	DR-02	REPLACE CONE RISER WITH REINFORCED FLAT SLAB TOP
055	4' DIA CB TY A T24	52+26.90	61.0	R	648.14				643.66				52 - DIA12"	DR-02	REPLACE CONE RISER WITH REINFORCED FLAT SLAB TOP
056	4' DIA CB TY A T24	54+01.90	61.0	L	644.97			640.41				54 - DIA12"		DR-03	REPLACE CONE RISER WITH REINFORCED FLAT SLAB TOP
057	4' DIA CB TY A T24	54+01.90	15.0	L	646.52			639.89	640.00			55 - DIA12"	54 - DIA12"	DR-03	
058	5' DIA MH TY A T1F, CL	54+01.90	3.5	R	646.87	637.90	637.90	642.15	639.80	58 - DIA 36 "	53 - DIA 36 "	56 - DIA12"	55 - DIA12"	DR-03	
059	4' DIA CB TY A T24	54+01.90	15.0	R	646.53			642.40	642.28			57 - DIA12"	56 - DIA12"	DR-03	REPLACE CONE RISER WITH REINFORCED FLAT SLAB TOP
060	4' DIA CB TY A T24	54+01.90	61.0	R	647.28				642.81				57 - DIA12"	DR-03	REPLACE CONE RISER WITH REINFORCED FLAT SLAB TOP
061	4' DIA CB TY A T24	55+76.90	61.0	L	644.11			639.61				59 - DIA12"		DR-03	REPLACE CONE RISER WITH REINFORCED FLAT SLAB TOP
062	4' DIA CB TY A T24	55+76.90	15.0	L	645.65			639.09	639.20			60 - DIA12"	59 - DIA12"	DR-03	
063	5' DIA MH TY A T1F, CL	55+76.90	3.5	R	646.00	638.65	638.15	641.35	639.00	63 - DIA 30 "	58 - DIA 36 "	61 - DIA12"	60 - DIA12"	DR-03	
064	4' DIA CB TY A T24	55+76.90	15.0	R	645.66			641.60	641.48			62 - DIA12"	61 - DIA12"	DR-03	REPLACE CONE RISER WITH REINFORCED FLAT SLAB TOP
065	4' DIA CB TY A T24	55+76.90	61.0	R	646.81				642.01				62 - DIA12"	DR-03	REPLACE CONE RISER WITH REINFORCED FLAT SLAB TOP
066	4' DIA CB TY A T24	57+51.90	61.0	L	643.23			639.47				64 - DIA12"		DR-03	REPLACE CONE RISER WITH REINFORCED FLAT SLAB TOP
067	4' DIA CB TY A T24	57+51.90	15.0	L	644.78			639.06	639.06			65 - DIA12"	64 - DIA12"	DR-03	
068	5' DIA MH TY A T1F, CL	57+51.90	3.5	R	645.13	639.41	638.91	640.50	638.91	68 - DIA 24 "	63 - DIA 30 "	66 - DIA12"	65 - DIA12"	DR-03	
069	4' DIA CB TY A T24	57+51.90	15.0	R	644.78			640.75	640.62			67 - DIA12"	66 - DIA12"	DR-03	REPLACE CONE RISER WITH REINFORCED FLAT SLAB TOP
070	4' DIA CB TY A T24	57+51.90	67.0	R	645.86				641.22				67 - DIA12"	DR-03	REPLACE CONE RISER WITH REINFORCED FLAT SLAB TOP
071	4' DIA CB TY A T24	59+26.90	61.0	L	642.37			639.77				69 - DIA12"		DR-03	REPLACE CONE RISER WITH REINFORCED FLAT SLAB TOP
072	4' DIA CB TY A T24	59+26.90	15.0	L	643.91			639.69	639.69			70 - DIA12"	69 - DIA12"	DR-03	REPLACE CONE RISER WITH REINFORCED FLAT SLAB TOP

DR-10



USER NAME = micosir	DESIGNED MAM/PMS	REVISED -
	DRAWN PMS	REVISED -
PLOT SCALE = 50:1	CHECKED MAM	REVISED -
PLOT DATE = 19-OCT-2012	DATE 10/19/12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE STRUCTURE SCHEDULE

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105 WRS&HB	COOK	605	187
CONTRACT NO. 60G37				
ILLINOIS FED. AID PROJECT				

DRAINAGE STRUCTURE DATA

STRUCTURE NO.	DESCRIPTION	STATION	OFFSET	DIR.	PROPOSED RIM ELEV.	NORTH	SOUTH	EAST	WEST	PIPE ID-PIPE SIZE NORTH	PIPE ID-PIPE SIZE SOUTH	PIPE ID-PIPE SIZE EAST	PIPE ID-PIPE SIZE WEST	IDOT SHEET NO.	NOTES:
073	5' DIA MH TY A	T1F, CL	59+26.90	3.5	R	644.26		639.66	639.66		68 - DIA24"	71 - DIA 12"	70 - DIA 12"	DR-03	
074	4' DIA CB TY A	T24	59+26.90	15.0	R	643.92		639.86	639.76			72 - DIA 12"	71 - DIA 12"	DR-03	REPLACE CONE RISER WITH REINFORCED FLAT SLAB TOP
075	4' DIA CB TY A	T24	59+26.90	67.0	R	644.66			640.21				72 - DIA 12"	DR-03	REPLACE CONE RISER WITH REINFORCED FLAT SLAB TOP
076	4' DIA CB TY A	T24	60+98.34	99.0	R	642.65	635.71			73 - DIA12"				DR-03	REPLACE CONE RISER WITH REINFORCED FLAT SLAB TOP
077	4' DIA CB TY A	T8	61+76.49	84.1	L	640.40		637.04				74 - DIA 12"		DR-03	REPLACE CONE RISER WITH REINFORCED FLAT SLAB TOP
078	4' DIA CB TY A	T24	61+76.93	61.0	L	641.12		636.34	636.84			75 - DIA 18"	74 - DIA 12"	DR-03	REPLACE CONE RISER WITH REINFORCED FLAT SLAB TOP
079	5' DIA MH TY A	T1F, CL	61+69.47	77.9	R	643.75	632.50	635.00	633.50	77 - DIA36"	73 - DIA12"	76 - DIA 24"	75 - DIA 18"	DR-03	REPLACE CONE RISER WITH REINFORCED FLAT SLAB TOP
079A	5' DIA MH TY A	T1F, CL	62+38.50	94.6	R	642.53	632.33	632.33		78 - DIA36"	77 - DIA36"			DR-03	
080	4' DIA CB TY A	T24	63+63.00	61.0	L	640.20		635.76				79 - DIA 12"		DR-03	REPLACE CONE RISER WITH REINFORCED FLAT SLAB TOP
081	4' DIA CB TY A	T24	63+63.00	9.0	R	641.74		635.12	635.12			80 - DIA 12"	79 - DIA 12"	DR-03	
082	4' DIA CB TY A	T24	63+63.00	15.0	R	641.75		634.58	635.08			81 - DIA 18"	80 - DIA 12"	DR-03	
083	4' DIA CB TY A	T24	63+63.00	69.0	R	643.17		634.11	634.11			82 - DIA 18"	81 - DIA 18"	DR-03	
084	5' DIA MH TY A	T1F, CL	63+63.00	81.6	R	642.63	632.02	632.02		83 - DIA36"	78 - DIA36"		82 - DIA 18"	DR-03	
085	4' DIA CB TY A	T8	64+96.00	84.0	L	637.10		633.46				84 - DIA 12"		DR-03	REPLACE CONE RISER WITH REINFORCED FLAT SLAB TOP
086	4' DIA CB TY A	T24	64+96.00	61.0	L	639.53		633.26	633.26			85 - DIA 12"	84 - DIA 12"	DR-03	REPLACE CONE RISER WITH REINFORCED FLAT SLAB TOP
087	4' DIA CB TY A	T24	64+96.00	9.0	R	641.08		632.62	632.62			86 - DIA 12"	85 - DIA 12"	DR-03	
088	4' DIA CB TY A	T24	64+96.00	15.0	R	641.09		632.58	632.58			87 - DIA 12"	86 - DIA 12"	DR-03	
089	4' DIA CB TY A	T24	64+96.00	69.0	R	642.46		632.11	632.11			88 - DIA 12"	87 - DIA 12"	DR-03	
090	5' DIA MH TY A	T1F, CL	64+96.00	81.6	R	641.65	631.69	631.69		89 - DIA36"	83 - DIA36"		88 - DIA 12"	DR-03	
091	4' DIA CB TY A	T24	66+29.00	61.0	L	638.87		635.26				90 - DIA 12"		DR-03	REPLACE CONE RISER WITH REINFORCED FLAT SLAB TOP
092	4' DIA CB TY A	T24	66+29.00	9.0	R	640.42		634.62	634.62			91 - DIA 12"	90 - DIA 12"	DR-03	
093	4' DIA CB TY A	T24	66+29.00	15.0	R	640.43		634.58	634.58			92 - DIA 12"	91 - DIA 12"	DR-03	
094	4' DIA CB TY A	T24	66+29.00	69.0	R	641.79		634.11	634.11			93 - DIA 12"	92 - DIA 12"	DR-03	
095	5' DIA MH TY A	T1F, CL	66+29.00	81.6	R	641.24	631.36	631.36		94 - DIA36"	89 - DIA36"		93 - DIA 12"	DR-03	
096	4' DIA CB TY A	T24	67+62.00	61.0	L	638.21		632.30				95 - DIA 18"		DR-03	
097	4' DIA CB TY A	T24	67+62.00	4.2	R	639.83		631.70	631.70			96 - DIA 18"	95 - DIA 18"	DR-03	
098	4' DIA CB TY A	T24	67+62.00	15.0	R	639.76		631.61	631.61			97 - DIA 18"	96 - DIA 18"	DR-03	
099	4' DIA CB TY A	T24	67+62.00	69.0	R	641.13		631.14	631.14			98 - DIA 18"	97 - DIA 18"	DR-03	
100	5' DIA MH TY A	T1F, CL	67+62.00	81.6	R	641.34	631.03	631.03		99 - DIA36"	94 - DIA36"		98 - DIA 18"	DR-03	
101	4' DIA CB TY A	T24	68+95.00	61.0	L	637.55		631.96				100 - DIA 18"		DR-04	REPLACE CONE RISER WITH REINFORCED FLAT SLAB TOP
102	4' DIA CB TY A	T24	68+95.00	7.0	L	639.22		631.48	631.48			101 - DIA 18"	100 - DIA 18"	DR-04	
103	4' DIA CB TY A	T24	68+95.00	15.0	R	639.10		631.28	631.28			102 - DIA 18"	101 - DIA 18"	DR-04	
104	4' DIA CB TY A	T24	68+95.00	69.0	R	640.47		630.81	630.81			103 - DIA 18"	102 - DIA 18"	DR-04	
105	5' DIA MH TY A	T1F, CL	68+95.00	81.3	R	640.36	630.70	630.70		104 - DIA36"	99 - DIA36"		103 - DIA 18"	DR-04	
106	4' DIA CB TY A	T8	69+99.36	84.0	L	634.30		631.90				105 - DIA 12"		DR-04	REPLACE CONE RISER WITH REINFORCED FLAT SLAB TOP
107	4' DIA CB TY A	T24	69+99.36	61.0	L	637.22		631.70	631.70			106 - DIA 18"	105 - DIA 12"	DR-04	
108	4' DIA CB TY A	T24	69+99.36	14.2	L	638.77		631.29	631.29			107 - DIA 18"	106 - DIA 18"	DR-04	
109	4' DIA CB TY A	T24	69+99.36	14.8	R	638.77		631.02	631.02			108 - DIA 18"	107 - DIA 18"	DR-04	
110	4' DIA CB TY A	T24	69+99.36	69.9	R	640.14		630.56	630.56			109 - DIA 18"	108 - DIA 18"	DR-04	
111	5' DIA MH TY A	T1F, CL	69+99.36	81.1	R	639.20	630.45	630.45		113A - DIA36"	104 - DIA36"		109 - DIA 18"	DR-04	
112	4' DIA CB TY A	T24	70+05.00	61.0	L	637.22		632.75				110 - DIA 12"		DR-04	REPLACE CONE RISER WITH REINFORCED FLAT SLAB TOP
113	4' DIA CB TY A	T24	70+05.00	14.5	L	638.78		632.34	632.34			111 - DIA 12"	110 - DIA 12"	DR-04	
114	4' DIA CB TY A	T24	70+05.00	15.0	R	638.78		632.07	632.07			112 - DIA 12"	111 - DIA 12"	DR-04	
115	4' DIA CB TY A	T24	70+05.00	69.9	R	640.15		631.61	631.61			113 - DIA 12"	112 - DIA 12"	DR-04	
116	5' DIA MH TY A	T1F, CL	70+05.00	81.2	R	639.07	630.45	630.45		114 - DIA36"	113A - DIA36"		113 - DIA 12"	DR-04	
117	4' DIA CB TY A	T24	70+61.00	60.3	L	637.35		632.29				115 - DIA 12"		DR-04	
118	4' DIA CB TY A	T24	70+61.00	4.3	L	638.63		631.78	631.78			115A - DIA 12"	115 - DIA 12"	DR-04	
118A	4' DIA CB TY A	T24	70+61.00	4.3	R	638.56		631.73	631.73			116 - DIA 12"	115A - DIA 12"	DR-04	
119	4' DIA CB TY A	T24	70+61.00	70.9	R	640.26		631.11	631.11			117 - DIA 12"	116 - DIA 12"	DR-04	
120	6' DIA MH TY A	T1F, CL	70+61.00	81.9	R	637.88	629.29	630.29		118 - DIA48"	114 - DIA36"		117 - DIA 12"	DR-04	
121	4' DIA CB TY A	T24	72+00.00	58.4	L	638.03		633.37				119 - DIA 12"		DR-04	REPLACE CONE RISER WITH REINFORCED FLAT SLAB TOP
122	4' DIA CB TY A	T20	72+00.00	5.1	L	639.30		632.85	632.85			119A - DIA 12"	119 - DIA 12"	DR-04	
122A	4' DIA CB TY A	T20	72+00.00	3.9	R	639.46		632.30	632.80			120 - DIA 18"	119A - DIA 12"	DR-04	
123	NOT USED														
124	NOT USED														
125	6' DIA MH TY A	T1F, OL	72+00.00	88.3	R	637.87	628.88	628.88		123 - DIA48"	118 - DIA48"		120 - DIA 18"	DR-04	
126	4' DIA CB TY A	T24	73+91.00	57.5	L	639.01		634.82				124 - DIA 12"		DR-04	REPLACE CONE RISER WITH REINFORCED FLAT SLAB TOP
127	DRAINAGE STRUCTURE TYPE 1	T20	73+91.00	0.0		640.25		633.80	634.30			125 - DIA 18"	124 - DIA 12"	DR-04	
128	NOT USED														
129	5' DIA MH TY A	T1F, CL	73+50.00	92.9	R	639.49		628.43	628.43		123 - DIA48"		125 - DIA 18"	DR-04	
130	5' DIA MH TY A	T1F, CL	78+71.00	9.0	L	642.88		625.90	626.90		131 - DIA24"	131A - DIA 24"	132 - DIA 12"	DR-04	
131	4' DIA CB TY A	T20	76+64.05	56.7	L	641.73		629.91				128 - DIA 12"		DR-04	REPLACE CONE RISER WITH REINFORCED FLAT SLAB TOP
132	DRAINAGE STRUCTURE TYPE 1	T20	76+21.00	0.0		641.43		629.20	629.20			129 - DIA 12"	128 - DIA 12"	DR-04	
133	5' DIA MH TY A	T1F, CL	76+21.00	56.9	R	642.50	627.69		628.69	130 - DIA24"		129 - DIA 12"		DR-04	
134	5' DIA MH TY A	T1F, CL	77+98.77	4.2	L	642.33	626.50		627.74	131 - DIA24"				DR-04	WEST INVERT FROM PROPOSED PIPE ON DR-09
135	4' DIA CB TY A	T20	78+71.00	60.6	L	642.83		627.37				132 - DIA 12"		DR-04	
136	DRAINAGE STRUCTURE TYPE 1	T20	78+71.00	0.0		642.70		625.87	625.87			133 - DIA 24"	131A - DIA 24"	DR-04	
137	4' DIA CB TY A	T24	78+71.00	57.5	R	642.49		625.36	625.36			134 - DIA 24"	133 - DIA 24"	DR-04	
138	5' DIA MH TY A	T1F, OL	78+71.00	74.7	R	640.12	625.23	625.23		135 - DIA24"	130 - DIA24"		134 - DIA 24"	DR-04	
139	NOT USED														
140	6' DIA MH TY A	T1F, CL	79+90.00	83.2	R	641.66	624.09	624.09		137 - DIA48"	135 - DIA24"			DR-04	
141	NOT USED														
142	DRAINAGE STRUCTURE TYPE 1	T20	81+21.00	0.0		643.97		635.23				139 - DIA 12"		DR-04	
143	4' DIA CB TY A	T24	81+21.00	57.5	R	643.61		634.21	634.71			140 - DIA 18"	139 - DIA 12"	DR-04	
144	6' DIA MH TY A	T1F, CL	81+21.00	82.8	R	641.91	623.84	623.84		142 - DIA48"	137 - DIA48"		140 - DIA 18"	DR-04	

	USER NAME = mikosir	DESIGNED MAM/PMS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE STRUCTURE SCHEDULE	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN PMS	REVISED -	330			0105 WRS&HB	COOK	605	188	
	PLOT SCALE = 50:1	CHECKED MAM	REVISED -			CONTRACT NO. 60G37				
	PLOT DATE = 19-OCT-2012	DATE 10/19/12	REVISED -			SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.

DRAINAGE STRUCTURE DATA

STRUCTURE NO.	DESCRIPTION	STATION	OFFSET	DIR.	PROPOSED RIM ELEV.	NORTH	SOUTH	EAST	WEST	PIPE ID-PIPE SIZE NORTH	PIPE ID-PIPE SIZE SOUTH	PIPE ID-PIPE SIZE EAST	PIPE ID-PIPE SIZE WEST	IDOT SHEET NO.	NOTES:
145	NOT USED														
146	6' DIA MH TY A	T1F, CL	82+79.93	82.7	R	641.83	623.55	623.55		143 - DIA 48"	142 - DIA 48"			DR-05	
147	DRAINAGE STRUCTURE TYPE 1	T20	85+75.50	0.0		643.75			638.88			144 - DIA 12"		DR-05	
148	6' DIA MH TY A	T1F, CL	85+75.50	74.0	R	643.03	622.97	622.97	638.00	145 - DIA 48"	143 - DIA 48"		144 - DIA 12"	DR-05	REPLACE CONE RISER WITH REINFORCED FLAT SLAB TOP
149	6' DIA MH TY A	T1F, CL	86+82.45	89.6	R	641.18	622.72	622.72		146 - DIA 48"	145 - DIA 48"			DR-05	
150	4' DIA CB TY A	T8	88+25.60	85.0	L	638.70			635.72			147 - DIA 12"		DR-05	
151	4' DIA CB TY A	T24	88+25.60	69.5	L	641.84			635.61	635.61		148 - DIA 12"	147 - DIA 12"	DR-05	
152	DRAINAGE STRUCTURE TYPE 1	T20	88+25.60	0.0		642.49			634.46	634.96		149 - DIA 18"	148 - DIA 12"	DR-05	
153	4' DIA CB TY A	T24	88+25.60	71.7	R	641.84			633.80	633.80		150 - DIA 18"	149 - DIA 18"	DR-05	
154	6' DIA MH TY A	T1F, CL	88+25.60	86.3	R	640.17	622.38	622.38	633.70	151 - DIA 48"	146 - DIA 48"		150 - DIA 18"	DR-05	
155	4' DIA CB TY A	T24	90+75.13	69.5	L	640.59			635.07			152 - DIA 18"		DR-05	
156	DRAINAGE STRUCTURE TYPE 1	T20	90+75.13	0.0		641.25			634.73	634.73		153 - DIA 18"	152 - DIA 18"	DR-05	
157	4' DIA CB TY A	T24	90+75.13	69.5	R	640.60			634.09	634.09		154 - DIA 18"	153 - DIA 18"	DR-05	
158	6' DIA MH TY A	T1F, CL	90+75.13	84.1	R	638.46	621.77	621.77	634.00	155 - DIA 48"	151 - DIA 48"		154 - DIA 18"	DR-05	
159	NOT USED														
160	DRAINAGE STRUCTURE TYPE 1	T20	93+25.50	0.0		640.00			633.23	633.23		157 - DIA 18"	156 - DIA 18"	DR-05	
161	4' DIA CB TY A	T24	93+25.50	69.5	R	639.34			632.59	632.59		158 - DIA 18"	157 - DIA 18"	DR-05	
162	6' DIA MH TY A	T1F, CL	93+25.50	84.1	R	637.15	621.16	621.16	632.50	159 - DIA 48"	155 - DIA 48"		158 - DIA 18"	DR-05	
163	NOT USED														
164	NOT USED														
165	DRAINAGE STRUCTURE TYPE 2	T22	95+75.00	0.0		638.97	631.78		631.78	165 - DIA 12"		162 - DIA 18"	161 - DIA 18"	DR-05	
166	6' DIA MH TY A	T1F, OL	95+75.00	84.1	R	635.81	620.54	620.55	631.00	166 - DIA 48"	159 - DIA 48"		162 - DIA 18"	DR-05	REPLACE CONE RISER WITH REINFORCED FLAT SLAB TOP
167	NOT USED														
168	DRAINAGE STRUCTURE TYPE 1	T20	95+85.00	0.0		638.97		631.85			165 - DIA 12"			DR-05	
169	4' DIA MH TY A	T1F, CL	103+41	56.5	R	641.83	634.54			164 - DIA 18"		175 - DIA 18"		DR-06	
170	4' DIA MH TY A	T1F, CL	106+17.65	67.4	R	641.99		631.84	631.64	634.72	164 - DIA 18"	163 - DIA 18"	178 - DIA 12"	DR-06	
171	DRAINAGE STRUCTURE TYPE 1	T20	98+04.00	0.0		639.89			633.81	633.81		168 - DIA 12"	167 - DIA 12"	DR-06	
172A	4' DIA CB TY A	T1F, OL	99+25.00	63.5	R	639.62		634.51			168A - DIA 12"			DR-06	
172	4' DIA MH TY A	T1F, CL	98+04.00	52.6	R	639.62	633.34		632.84	633.34	168A - DIA 12"	169 - DIA 18"	168 - DIA 12"	DR-06	
173	6' DIA MH TY A	T1F, CL	98+04.00	91.4	R	638.59	620.00	620.00	632.50	170 - DIA 48"	166 - DIA 48"		169 - DIA 18"	DR-06	
174	4' DIA CB TY A	T24	100+54.00	57.5	L	641.74			635.01			171 - DIA 18"		DR-06	
175	DRAINAGE STRUCTURE TYPE 1	T20	100+54.00	0.0		641.14			634.49	634.49		172 - DIA 18"	171 - DIA 18"	DR-06	
176	6' DIA MH TY A	T1F, CL	100+54.00	105.5	R	641.66	619.28	619.28	633.50	173 - DIA 48"	170 - DIA 48"		172 - DIA 18"	DR-06	
177	4' DIA CB TY A	T24	103+41.00	57.5	L	643.18			636.35			174 - DIA 12"		DR-06	
178	DRAINAGE STRUCTURE TYPE 1	T20	103+41.00	0.0		642.58			635.27	635.77		175 - DIA 18"	174 - DIA 12"	DR-06	
179	6' DIA MH TY A	T1F, CL	103+36.10	182.4	R	640.59	618.17	618.17		176 - DIA 48"	173 - DIA 48"			DR-06	REPLACE CONE RISER WITH REINFORCED FLAT SLAB TOP
180	4' DIA CB TY A	T24	106+16.25	57.3	L	644.56			636.04			177 - DIA 12"		DR-06	
181	DRAINAGE STRUCTURE TYPE 1	T20	106+16.25	0.0		643.96			635.46	635.46		178 - DIA 12"	177 - DIA 12"	DR-06	
182	6' DIA MH TY A	T1F, CL	106+18.75	145.9	R	639.55	617.11	617.11	630.92	179 - DIA 48"	176 - DIA 48"		163 - DIA 18"	DR-06	
183	4' DIA CB TY A	T24	111+10.00	65.4	L	644.23			633.80			180 - DIA 12"		DR-07	
184	4' DIA CB TY A	T20	111+10.00	5.0	L	643.49	633.23		632.73	633.23	181 - DIA 12"	184 - DIA 18"	180 - DIA 12"	DR-07	
185	4' DIA CB TY A	T20	112+85.00	8.4	L	642.86	634.94	634.94			182 - DIA 12"	181 - DIA 12"		DR-07	
186	4' DIA CB TY A	T20	113+40.90	9.5	L	642.76	635.46	635.46			183 - DIA 12"	182 - DIA 12"		DR-07	
187	4' DIA CB TY A	T20	113+50.89	9.5	L	642.76		635.52			183 - DIA 12"			DR-07	
188	4' DIA CB TY A	T20	111+10.00	4.7	R	644.78	633.17		632.67	632.67	185 - DIA 12"	188 - DIA 18"	184 - DIA 18"	DR-07	
189	4' DIA CB TY A	T20	112+85.00	8.1	R	642.86	634.88	634.88			186 - DIA 12"	185 - DIA 12"		DR-07	
190	4' DIA CB TY A	T20	113+79.10	10.0	R	642.27	635.78	635.78			187 - DIA 12"	186 - DIA 12"		DR-07	
191	4' DIA CB TY A	T20	113+89.11	10.0	R	642.24		635.84			187 - DIA 12"			DR-07	
192	6' DIA MH TY A	T1F, CL	111+10.00	177.0	R	634.97	615.22	615.22	631.00	189 - DIA 48"	179 - DIA 48"		188 - DIA 18"	DR-07	REPLACE CONE RISER WITH REINFORCED FLAT SLAB TOP
193	4' DIA CB TY A	T24	12+39.00	33.0	L	642.28		635.02			190 - DIA 12"			DR-08	CL LAWRENCE, REPLACE CONE RISER WITH REINFORCED FLAT SLAB TOP
193A	5' DIA MH TY A	T1F, CL	12+39.00	5.5	L	642.82	634.80	634.80	633.80	190 - DIA 12"	190A - DIA 12"	191 - DIA 24"	76 - DIA 24"	DR-08	CL LAWRENCE, REPLACE CONE RISER WITH REINFORCED FLAT SLAB TOP
194	4' DIA CB TY A	T24	12+34.00	29.5	R	642.03	635.10			190A - DIA 12"				DR-08	CL LAWRENCE, REPLACE CONE RISER WITH REINFORCED FLAT SLAB TOP
195	4' DIA CB TY A	T24	14+00.00	31.8	L	640.90		635.32			192 - DIA 12"			DR-08	CL LAWRENCE, REPLACE CONE RISER WITH REINFORCED FLAT SLAB TOP
195A	5' DIA MH TY A	T1F, CL	14+00.00	5.5	L	641.43	635.10	635.10	634.11	192 - DIA 12"	192A - DIA 12"	193 - DIA 24"	191 - DIA 24"	DR-08	CL LAWRENCE, REPLACE CONE RISER WITH REINFORCED FLAT SLAB TOP
196	4' DIA CB TY A	T24	14+00.00	22.0	R	641.10	635.33			192A - DIA 12"				DR-08	CL LAWRENCE, REPLACE CONE RISER WITH REINFORCED FLAT SLAB TOP
197	5' DIA MH TY A	T1F, CL	15+28.00	9.0	L	640.93			634.52				193 - DIA 24"	DR-08	CL LAWRENCE, REPLACE CONE RISER WITH REINFORCED FLAT SLAB TOP
198	4' DIA CB TY A	T24	7+96.20	32.2	L	647.67		644.20			194 - DIA 12"			DR-02	CL MONTROSE, REPLACE CONE RISER WITH REINFORCED FLAT SLAB TOP
199	4' DIA CB TY A	T24	7+91.65	31.3	R	647.67	643.90		643.90		194 - DIA 12"	195 - DIA 12"		DR-02	CL MONTROSE, REPLACE CONE RISER WITH REINFORCED FLAT SLAB TOP
200	4' DIA CB TY A	T24	8+88.94	41.4	L	648.00		644.25			196 - DIA 12"			DR-02	CL MONTROSE, REPLACE CONE RISER WITH REINFORCED FLAT SLAB TOP
201	4' DIA CB TY A	T24	8+96.09	32.4	R	648.22	643.50	643.40	643.40	196 - DIA 12"	197 - DIA 12"		195 - DIA 12"	DR-02	CL MONTROSE
202	12" FES		8+79.37	102.1	R	643.00	643.00			197 - DIA 12"				DR-02	CL MONTROSE



USER NAME = mikosir	DESIGNED MAM/PMS	REVISED -
	DRAWN PMS	REVISED -
PLOT SCALE = 50:1	CHECKED MAM	REVISED -
PLOT DATE = 19-OCT-2012	DATE 10/19/12	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRAINAGE STRUCTURE SCHEDULE

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105 WRS&HB	COOK	605	189
CONTRACT NO. 60G37				
ILLINOIS FED. AID PROJECT				

DRAINAGE PIPE DATA

PIPE NO.	DESCRIPTION	SIZE (IN)	LENGTH	SLOPE	TRENCH BACKFILL	IDOT SHEET NO.	FROM NODE	TO NODE	NOTES
001A	STORM SEWERS, CLASS A, TYPE 2	12	82	1.07%	13.6	DR-01	001A	001	
001	STORM SEWERS, CLASS A, TYPE 2	12	10	0.96%	1.0	DR-01	001	002	
002	STORM SEWERS, CLASS A, TYPE 2	12	38	1.32%	9.2	DR-01	002	004	
003	STORM SEWERS, CLASS A, TYPE 2	12	8	3.13%	1.8	DR-01	003	004	
004A	STORM SEWERS, CLASS A, TYPE 2	12	54	0.94%	6.7	DR-01	005A	005	
004	STORM SEWERS, CLASS A, TYPE 2	12	31	1.64%	6.7	DR-01	005	006	
005	STORM SEWERS, CLASS A, TYPE 2	12	46	1.10%	12.7	DR-01	006	007	
006	STORM SEWERS, CLASS A, TYPE 1	12	22	1.15%	1.0	DR-01	007	008	
007	STORM SEWERS, CLASS A, TYPE 2	12	41	1.00%	11.7	DR-01	009	010	
008	STORM SEWERS, CLASS A, TYPE 2	12	16	0.92%	1.0	DR-01	010	011	
009	STORM SEWERS, CLASS A, TYPE 2	12	8	1.24%	1.0	DR-01	012	011	
010	STORM SEWERS, CLASS A, TYPE 2	12	41	1.00%	11.7	DR-01	013	012	
011	STORM SEWERS, CLASS A, TYPE 2	12	89	1.00%	1.0	DR-01	011	014	
012	STORM SEWERS, CLASS A, TYPE 1	42	73	0.15%	1.0	DR-01	014	015	
013	STORM SEWERS, CLASS A, TYPE 2	42	112	0.15%	1.0	DR-01	018	014	
014	STORM SEWERS, CLASS A, TYPE 2	12	41	1.00%	11.8	DR-01	016	017	
015	STORM SEWERS, CLASS A, TYPE 2	12	15	0.76%	1.0	DR-01	017	018	
016	STORM SEWERS, CLASS A, TYPE 2	12	8	1.45%	1.0	DR-01	019	018	
017	STORM SEWERS, CLASS A, TYPE 2	12	41	1.00%	11.9	DR-01	020	019	
018	STORM SEWERS, CLASS A, TYPE 2	42	205	0.15%	1.0	DR-01	023	018	
019	STORM SEWERS, CLASS A, TYPE 2	12	41	1.00%	11.9	DR-01	021	022	
020	STORM SEWERS, CLASS A, TYPE 2	12	15	0.62%	1.0	DR-01	022	023	
021	STORM SEWERS, CLASS A, TYPE 2	12	8	1.75%	1.0	DR-01	024	023	
022	STORM SEWERS, CLASS A, TYPE 2	12	41	1.00%	12.3	DR-01	025	024	
023	STORM SEWERS, CLASS A, TYPE 2	42	206	0.15%	1.0	DR-01 - DR-02	028	023	
024	STORM SEWERS, CLASS A, TYPE 2	12	41	1.00%	11.7	DR-02	026	027	
025	STORM SEWERS, CLASS A, TYPE 2	12	20	0.20%	1.0	DR-02	027	029	
026	STORM SEWERS, CLASS A, TYPE 2	12	2	1.25%	1.0	DR-02	029	028	
027	STORM SEWERS, CLASS A, TYPE 2	12	50	1.14%	17.1	DR-02	030	028	
028	STORM SEWERS, CLASS A, TYPE 3	42	205	0.15%	293.9	DR-02	034	028	
029	STORM SEWERS, CLASS A, TYPE 2	12	41	1.01%	11.8	DR-02	031	032	
030	STORM SEWERS, CLASS A, TYPE 2	12	5	0.97%	1.0	DR-02	032	033	
031	STORM SEWERS, CLASS A, TYPE 2	12	3	1.06%	1.4	DR-02	033	034	
032	STORM SEWERS, CLASS A, TYPE 2	12	57	1.00%	19.3	DR-02	035	034	
033	STORM SEWERS, CLASS A, TYPE 3	42	211	0.15%	331.1	DR-02	035A	034	
033A	STORM SEWERS, CLASS A, TYPE 2	42	235	0.15%	118.7	DR-02	038	035A	
034	STORM SEWERS, CLASS A, TYPE 2	12	47	1.00%	15.7	DR-02	036	037	
035	STORM SEWERS, CLASS A, TYPE 2	12	15	0.69%	1.0	DR-02	037	038	
036	STORM SEWERS, CLASS A, TYPE 2	12	8	1.58%	1.0	DR-02	039	038	
037	STORM SEWERS, CLASS A, TYPE 2	12	41	1.00%	5.5	DR-02	040	039	
038	STORM SEWERS, CLASS A, TYPE 2	36	170	0.15%	1.0	DR-02	043	038	
039	STORM SEWERS, CLASS A, TYPE 2	12	41	1.00%	13.0	DR-02	041	042	
040	STORM SEWERS, CLASS A, TYPE 2	12	15	0.62%	1.0	DR-02	042	043	
041	STORM SEWERS, CLASS A, TYPE 2	12	8	1.71%	1.0	DR-02	044	043	
042	STORM SEWERS, CLASS A, TYPE 2	12	41	1.00%	5.3	DR-02	045	044	
043	STORM SEWERS, CLASS A, TYPE 2	36	170	0.15%	1.0	DR-02	048	043	
044	STORM SEWERS, CLASS A, TYPE 2	12	41	1.00%	13.0	DR-02	046	047	
045	STORM SEWERS, CLASS A, TYPE 2	12	15	0.62%	1.0	DR-02	047	048	
046	STORM SEWERS, CLASS A, TYPE 2	12	9	1.54%	1.0	DR-02	049	048	
047	STORM SEWERS, CLASS A, TYPE 2	12	41	1.01%	5.5	DR-02	050	049	
048	STORM SEWERS, CLASS A, TYPE 2	36	170	0.15%	1.0	DR-02	053	048	
049	STORM SEWERS, CLASS A, TYPE 2	12	41	1.00%	12.9	DR-02	051	052	
050	STORM SEWERS, CLASS A, TYPE 2	12	15	0.75%	1.0	DR-02	052	053	
051	STORM SEWERS, CLASS A, TYPE 2	12	8	1.58%	1.0	DR-02	054	053	
052	STORM SEWERS, CLASS A, TYPE 2	12	41	1.00%	5.4	DR-02	055	054	
053	STORM SEWERS, CLASS A, TYPE 2	36	170	0.15%	1.0	DR-02 - DR-03	058	053	
054	STORM SEWERS, CLASS A, TYPE 2	12	41	1.00%	13.4	DR-03	056	057	
055	STORM SEWERS, CLASS A, TYPE 2	12	15	0.61%	1.0	DR-03	057	058	
056	STORM SEWERS, CLASS A, TYPE 2	12	8	1.70%	1.0	DR-03	059	058	
057	STORM SEWERS, CLASS A, TYPE 2	12	41	1.00%	5.3	DR-03	060	059	
058	STORM SEWERS, CLASS A, TYPE 2	36	170	0.15%	1.0	DR-03	063	058	
059	STORM SEWERS, CLASS A, TYPE 2	12	41	1.00%	13.0	DR-03	061	062	
060	STORM SEWERS, CLASS A, TYPE 2	12	15	0.61%	1.0	DR-03	062	063	
061	STORM SEWERS, CLASS A, TYPE 2	12	8	1.72%	1.0	DR-03	064	063	
062	STORM SEWERS, CLASS A, TYPE 2	12	41	1.00%	6.1	DR-03	065	064	
063	STORM SEWERS, CLASS A, TYPE 2	30	170	0.15%	1.0	DR-03	068	063	
064	STORM SEWERS, CLASS A, TYPE 2	12	41	1.00%	8.2	DR-03	066	067	
065	STORM SEWERS, CLASS A, TYPE 2	12	15	1.03%	1.0	DR-03	067	068	
066	STORM SEWERS, CLASS A, TYPE 2	12	8	1.58%	1.0	DR-03	069	068	
067	STORM SEWERS, CLASS A, TYPE 2	12	47	1.00%	6.3	DR-03	070	069	
068	STORM SEWERS, CLASS A, TYPE 2	24	170	0.15%	1.0	DR-03	073	068	
069	STORM SEWERS, CLASS A, TYPE 1	12	41	0.20%	1.0	DR-03	071	072	
070	STORM SEWERS, CLASS A, TYPE 2	12	15	0.20%	1.0	DR-03	072	073	
071	STORM SEWERS, CLASS A, TYPE 2	12	8	1.34%	1.0	DR-03	074	073	
072	STORM SEWERS, CLASS A, TYPE 2	12	47	0.75%	5.7	DR-03	075	074	



USER NAME = micosir	DESIGNED MAM/PMS	REVISED -
	DRAWN PMS	REVISED -
PLOT SCALE = 50:1	CHECKED MAM	REVISED -
PLOT DATE = 19-OCT-2012	DATE 10/19/12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PIPE SCHEDULE

SCALE: SHEET NO. 1 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105 WRS&HB	COOK	605	190
CONTRACT NO. 60G37				
ILLINOIS FED. AID PROJECT				

DRAINAGE PIPE DATA

PIPE NO.	DESCRIPTION	SIZE (IN)	LENGTH	SLOPE	TRENCH BACKFILL	IDOT SHEET NO.	FROM NODE	TO NODE	NOTES
073	STORM SEWERS, CLASS A, TYPE 2	12	71	1.01%	49.5	DR-03	076	079	
074	STORM SEWERS, CLASS A, TYPE 1	12	20	1.02%	1.0	DR-03	077	078	
075	STORM SEWERS, CLASS A, TYPE 2	18	135	1.00%	53.7	DR-03	078	079	
076	STORM SEWERS, CLASS A, TYPE 2	24	150	0.20%	131.4	DR-03 - DR-08	193A	079	
077	STORM SEWERS, CLASS A, TYPE 2	36	68	0.25%	48.0	DR-03	079	79A	
078	STORM SEWERS, CLASS A, TYPE 2	36	124	0.25%	1.0	DR-03	79A	084	
079	STORM SEWERS, CLASS A, TYPE 2	12	64	1.00%	20.9	DR-03	080	081	
080	STORM SEWERS, CLASS A, TYPE 2	12	5	0.92%	2.5	DR-03	081	082	
081	STORM SEWERS, CLASS A, TYPE 2	18	47	1.01%	31.0	DR-03	082	083	
082	STORM SEWERS, CLASS A, TYPE 2	18	9	1.03%	1.0	DR-03	083	084	
083	STORM SEWERS, CLASS A, TYPE 2	36	132	0.25%	1.0	DR-03	084	090	
084	STORM SEWERS, CLASS A, TYPE 2	12	20	1.02%	1.0	DR-03	085	086	
085	STORM SEWERS, CLASS A, TYPE 2	12	64	1.00%	39.7	DR-03	086	087	
086	STORM SEWERS, CLASS A, TYPE 2	12	5	0.96%	4.0	DR-03	087	088	
087	STORM SEWERS, CLASS A, TYPE 2	12	50	1.00%	47.6	DR-03	088	089	
088	STORM SEWERS, CLASS A, TYPE 2	12	9	1.04%	1.0	DR-03	089	090	
089	STORM SEWERS, CLASS A, TYPE 2	36	132	0.25%	1.0	DR-03	090	095	
090	STORM SEWERS, CLASS A, TYPE 2	12	64	1.00%	12.4	DR-03	091	092	
091	STORM SEWERS, CLASS A, TYPE 2	12	4	1.00%	1.5	DR-03	092	093	
092	STORM SEWERS, CLASS A, TYPE 2	12	50	1.00%	26.2	DR-03	093	094	
093	STORM SEWERS, CLASS A, TYPE 2	12	9	1.03%	1.0	DR-03	094	095	
094	STORM SEWERS, CLASS A, TYPE 2	36	132	0.25%	1.0	DR-03	095	100	
095	STORM SEWERS, CLASS A, TYPE 2	18	60	1.00%	29.1	DR-03	096	097	
096	STORM SEWERS, CLASS A, TYPE 2	18	9	1.00%	6.0	DR-03	097	098	
097	STORM SEWERS, CLASS A, TYPE 2	18	50	1.01%	40.7	DR-03	098	099	
098	STORM SEWERS, CLASS A, TYPE 2	18	9	1.02%	1.0	DR-03	099	100	
099	STORM SEWERS, CLASS A, TYPE 2	36	132	0.25%	1.0	DR-03 - DR-04	100	105	
100	STORM SEWERS, CLASS A, TYPE 2	18	48	1.00%	20.5	DR-04	101	102	
101	STORM SEWERS, CLASS A, TYPE 2	18	21	0.99%	1.0	DR-04	102	103	
102	STORM SEWERS, CLASS A, TYPE 2	18	50	1.01%	38.0	DR-04	103	104	
103	STORM SEWERS, CLASS A, TYPE 2	18	9	1.02%	1.0	DR-04	104	105	
104	STORM SEWERS, CLASS A, TYPE 2	36	102	0.25%	1.0	DR-04	105	111	
105	STORM SEWERS, CLASS A, TYPE 1	12	20	1.02%	1.0	DR-04	106	107	
106	STORM SEWERS, CLASS A, TYPE 2	18	41	1.01%	16.5	DR-04	107	108	
107	STORM SEWERS, CLASS A, TYPE 2	18	28	0.99%	1.0	DR-04	108	109	
108	STORM SEWERS, CLASS A, TYPE 2	18	51	0.99%	38.2	DR-04	109	110	
109	STORM SEWERS, CLASS A, TYPE 2	18	8	1.04%	1.0	DR-04	110	111	
110	STORM SEWERS, CLASS A, TYPE 2	12	41	1.01%	12.9	DR-04	112	113	
111	STORM SEWERS, CLASS A, TYPE 2	12	28	0.99%	1.0	DR-04	113	114	
112	STORM SEWERS, CLASS A, TYPE 2	12	51	0.99%	33.8	DR-04	114	115	
113	STORM SEWERS, CLASS A, TYPE 2	12	8	1.03%	1.0	DR-04	115	116	
113A	STORM SEWERS, CLASS A, TYPE 2	36	1	0.00%	1.0	DR-04	111	116	
114	STORM SEWERS, CLASS A, TYPE 2	36	53	0.31%	1.0	DR-04	116	120	
115	STORM SEWERS, CLASS A, TYPE 2	12	51	1.00%	20.5	DR-04	117	118	
115A	STORM SEWERS, CLASS A, TYPE 2	12	5	1.00%	2.7	DR-04	118	118A	
116	STORM SEWERS, CLASS A, TYPE 2	12	63	1.01%	45.4	DR-04	118A	119	
117	STORM SEWERS, CLASS A, TYPE 2	12	7	1.03%	1.0	DR-04	119	120	
118	STORM SEWERS, CLASS A, TYPE 2	48	138	0.30%	1.0	DR-04	120	125	
119	STORM SEWERS, CLASS A, TYPE 2	12	52	1.00%	17.2	DR-04	121	122	
119A	STORM SEWERS, CLASS A, TYPE 2	12	5	1.00%	2.9	DR-04	122	122A	
120	STORM SEWERS, CLASS A, TYPE 2	18	80	1.00%	35.5	DR-04	122A	125	
121	NOT USED								
122	NOT USED								
123	STORM SEWERS, CLASS A, TYPE 2	48	149	0.30%	1.0	DR-04	125	129	
124	STORM SEWERS, CLASS A, TYPE 2	12	53	1.00%	13.4	DR-04	126	127	
125	STORM SEWERS, CLASS A, TYPE 2	18	81	1.00%	36.9	DR-04	127	129	
126	NOT USED								
127	NOT USED								
128	STORM SEWERS, CLASS A, TYPE 3	12	72	0.99%	98.5	DR-04	131	132	
129	STORM SEWERS, CLASS A, TYPE 3	12	51	1.01%	77.9	DR-04	132	133	
130	STORM SEWERS, CLASS A, TYPE 3	24	246	1.00%	84.9	DR-04	133	138	
131	STORM SEWERS, CLASS A, TYPE 3	24	68	0.89%	138.4	DR-04	134	130	
131A	STORM SEWERS, CLASS A, TYPE 3	24	3	0.99%	76.5	DR-04	130	136	
132	STORM SEWERS, CLASS A, TYPE 3	12	48	1.00%	76.5	DR-04	135	130	
133	STORM SEWERS, CLASS A, TYPE 3	24	52	0.99%	111.0	DR-04	136	137	
134	STORM SEWERS, CLASS A, TYPE 3	24	14	0.98%	1.0	DR-04	137	138	
135	STORM SEWERS, CLASS A, TYPE 3	24	114	1.00%	1.0	DR-04	138	140	
136	NOT USED								
137	STORM SEWERS, CLASS A, TYPE 3	48	125	0.20%	1.0	DR-04	140	144	
138	NOT USED								
139	STORM SEWERS, CLASS A, TYPE 2	12	52	1.01%	44.4	DR-04	142	143	
140	STORM SEWERS, CLASS A, TYPE 2	18	21	1.01%	1.0	DR-04	143	144	
141	NOT USED								
142	STORM SEWERS, CLASS A, TYPE 3	48	147	0.20%	1.0	DR-04 - DR-05	144	146	
143	STORM SEWERS, CLASS A, TYPE 4	48	290	0.20%	145.9	DR-05	146	148	55' OF PIPE SHALL BE JACKED UNDER THE MALSR LIGHTING FOUNDATION
144	STORM SEWERS, CLASS A, TYPE 2	12	65	1.36%	16.8	DR-05	147	148	

DR-14

	USER NAME = mikosir	DESIGNED MAM/PMS	REVISED -	<p align="center">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p>	<p align="center">DRAINAGE PIPE SCHEDULE</p>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN PMS	REVISED -					330	0105 WRS&HB	COOK	605	191
	PLOT SCALE = 50:1	CHECKED MAM	REVISED -					CONTRACT NO. 60G37				
	PLOT DATE = 19-OCT-2012	DATE 10/19/12	REVISED -					SCALE:	SHEET NO. 2 OF 5 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT

DRAINAGE PIPE DATA

PIPE NO.	DESCRIPTION	SIZE (IN)	LENGTH	SLOPE	TRENCH BACKFILL	IDOT SHEET NO.	FROM NODE	TO NODE	NOTES
145	STORM SEWERS, CLASS A, TYPE 4	48	101	0.25%	1.0	DR-05	148	149	WATERMAIN QUALITY PIPE @ 10' ON EITHER SIDE OF PROPOSED WATERMAIN CROSSING
146	STORM SEWERS, CLASS A, TYPE 3	48	138	0.25%	1.0	DR-05	149	154	
147	STORM SEWERS, CLASS A, TYPE 2	12	12	0.98%	1.0	DR-05	150	151	
148	STORM SEWERS, CLASS A, TYPE 2	12	65	1.01%	35.3	DR-05	151	152	
149	STORM SEWERS, CLASS A, TYPE 2	18	66	1.00%	43.4	DR-05	152	153	
150	STORM SEWERS, CLASS A, TYPE 2	18	10	1.05%	1.0	DR-05	153	154	
151	STORM SEWERS, CLASS A, TYPE 3	48	244	0.25%	1.0	DR-05	154	158	
152	STORM SEWERS, CLASS A, TYPE 2	18	35	0.99%	21.4	DR-05	155	156	
153	STORM SEWERS, CLASS A, TYPE 2	18	65	1.00%	26.2	DR-05	156	157	
154	STORM SEWERS, CLASS A, TYPE 2	18	10	0.95%	1.0	DR-05	157	158	
155	STORM SEWERS, CLASS A, TYPE 3	48	244	0.25%	1.0	DR-05	158	162	
156	STORM SEWERS, CLASS A, TYPE 2	18	65	1.00%	16.3	DR-05	BULKHEAD	160	
157	STORM SEWERS, CLASS A, TYPE 2	18	64	1.00%	28.3	DR-05	160	161	
158	STORM SEWERS, CLASS A, TYPE 2	18	10	0.95%	1.0	DR-05	161	162	
159	STORM SEWERS, CLASS A, TYPE 3	48	244	0.25%	1.0	DR-05	162	166	
160	NOT USED								
161	STORM SEWERS, CLASS A, TYPE 2	18	42	0.99%	18.0	DR-05	BULKHEAD	165	
162	STORM SEWERS, CLASS A, TYPE 2	18	78	1.01%	22.1	DR-05	165	166	
163	STORM SEWERS, CLASS A, TYPE 2	18	73	1.00%	37.0	DR-06	170	182	
164	STORM SEWERS, CLASS A, TYPE 2	18	270	1.00%	1.0	DR-06	169	170	
165	STORM SEWERS, CLASS A, TYPE 2	12	7	1.00%	4.1	DR-05	168	165	
166	STORM SEWERS, CLASS A, TYPE 3	48	214	0.25%	1.0	DR-05 - DR-06	166	173	
167	STORM SEWERS, CLASS A, TYPE 2	12	71	1.00%	17.2	DR-06	BULKHEAD	171	
168A	STORM SEWERS, CLASS A, TYPE 2	12	117	1.00%	41.2	DR-06	172A	172	
168	STORM SEWERS, CLASS A, TYPE 2	12	47	1.00%	20.2	DR-06	171	172	
169	STORM SEWERS, CLASS A, TYPE 2	18	34	1.01%	11.3	DR-06	172	173	
170	STORM SEWERS, CLASS A, TYPE 4	48	242	0.30%	1.0	DR-06	173	176	
171	STORM SEWERS, CLASS A, TYPE 2	18	53	1.00%	22.9	DR-06	174	175	
172	STORM SEWERS, CLASS A, TYPE 2	18	99	1.00%	49.7	DR-06	175	176	
173	STORM SEWERS, CLASS A, TYPE 4	48	280	0.40%	1.0	DR-06	176	179	WATERMAIN QUALITY PIPE @ 10' ON EITHER SIDE OF PROPOSED WATERMAIN CROSSING
174	STORM SEWERS, CLASS A, TYPE 2	12	58	1.00%	30.9	DR-06	177	178	
175	STORM SEWERS, CLASS A, TYPE 2	18	63	1.00%	32.9	DR-06	178	169	
176	STORM SEWERS, CLASS A, TYPE 4	48	271	0.40%	1.0	DR-06	179	182	
177	STORM SEWERS, CLASS A, TYPE 2	12	58	1.01%	46.6	DR-06	180	181	
178	STORM SEWERS, CLASS A, TYPE 2	12	74	1.00%	74.7	DR-06	181	170	
179	STORM SEWERS, CLASS A, TYPE 4	48	473	0.40%	280.3	DR-06 - DR-07	182	192	
180	STORM SEWERS, CLASS A, TYPE 2	12	57	1.01%	62.6	DR-07	183	184	
181	STORM SEWERS, CLASS A, TYPE 2	12	172	1.00%	154.3	DR-07	185	184	
182	STORM SEWERS, CLASS A, TYPE 2	12	52	1.00%	34.3	DR-07	186	185	
183	STORM SEWERS, CLASS A, TYPE 2	12	6	1.00%	3.6	DR-07	187	186	
184	STORM SEWERS, CLASS A, TYPE 2	18	6	1.07%	7.2	DR-07	184	188	
185	STORM SEWERS, CLASS A, TYPE 2	12	171	1.00%	172.9	DR-07	189	188	
186	STORM SEWERS, CLASS A, TYPE 2	12	90	1.00%	54.0	DR-07	190	189	
187	STORM SEWERS, CLASS A, TYPE 2	12	6	1.00%	2.8	DR-07	191	190	
188	STORM SEWERS, CLASS A, TYPE 2	18	168	1.00%	34.4	DR-07	188	192	
189	STORM SEWERS, CLASS A, TYPE 4	48	76	0.40%	1.0	DR-07	192	EX MH	
190	WATERMAIN QUALITY PIPE	12	22	1.00%	15.3	DR-08	193	193A	
190A	WATERMAIN QUALITY PIPE	12	30	1.00%	97.4	DR-08	194	193A	
191	STORM SEWERS, CLASS A, TYPE 2	24	156	0.20%	97.4	DR-08	195A	193A	WESTERN 20' OF PIPE SHALL BE WATERMAIN QUALITY
192	WATERMAIN QUALITY PIPE	12	22	1.01%	8.7	DR-08	195	195A	
192A	STORM SEWERS, CLASS A, TYPE 2	12	23	1.00%	49.7	DR-08	196	195A	
193	STORM SEWERS, CLASS A, TYPE 2	24	124	0.33%	49.7	DR-08	197	195A	
194	STORM SEWERS, CLASS A, TYPE 1	12	61	0.50%	1.2	DR-02	198	199	
195	STORM SEWERS, CLASS A, TYPE 2	12	101	0.50%	12.9	DR-02	199	201	
196	STORM SEWERS, CLASS A, TYPE 2	12	71	1.06%	8.4	DR-02	200	201	
197	STORM SEWERS, CLASS A, TYPE 1	12	70	0.58%	1.0	DR-02	201	202	



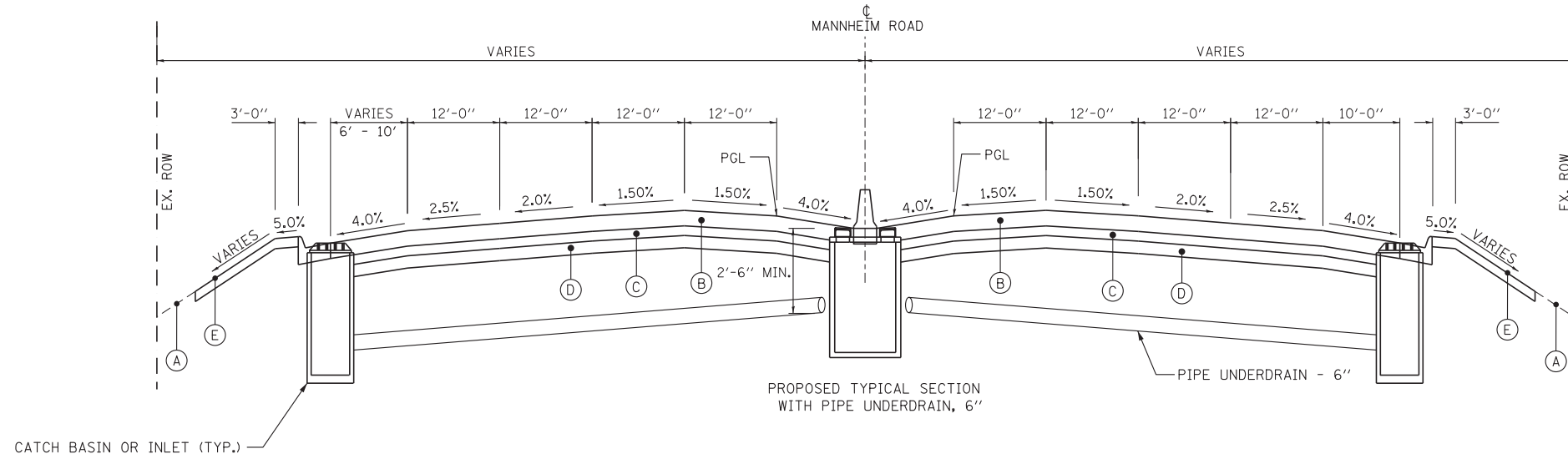
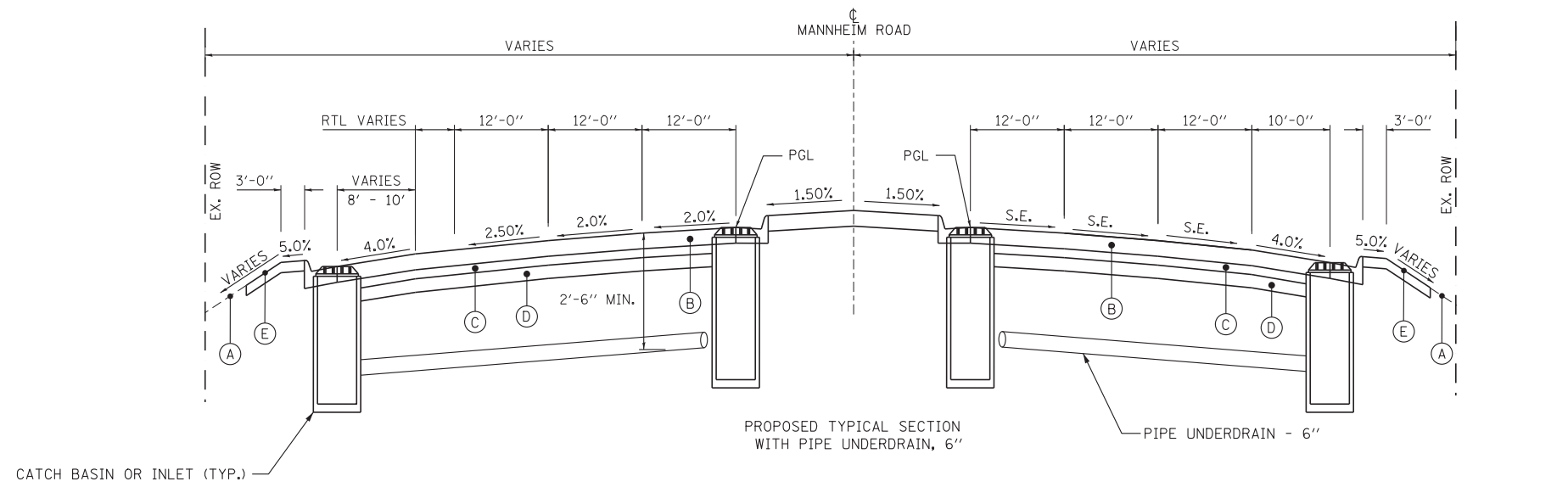
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	DRAWN PMS	REVISED -
PLOT SCALE = 50:1	CHECKED MAM	REVISED -
PLOT DATE = 19-OCT-2012	DATE 10/19/12	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRAINAGE PIPE SCHEDULE			
SCALE:	SHEET NO. 3 OF 5 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105 WRS&HB	COOK	605	192
CONTRACT NO. 60G37				ILLINOIS FED. AID PROJECT

**DRAINAGE QUANTITIES
PIPE UNDERDRAIN, 6"**



- PROPOSED LEGEND**
- (A) EXISTING GROUND LINE
 - (B) PROPOSED PORTLAND CEMENT CONCRETE PAVEMENT 10 3/4" (JOINTED)
 - (C) PROPOSED STABILIZED SUBBASE (HMA), 4 1/2"
 - (D) PROPOSED AGGREGATE SUBGRADE 12"
 - (E) PROPOSED GROUND

- NOTES:**
- 1 THE UNDERDRAIN SHALL BE PLACED OUTSIDE OF STORM SEWER TRENCHES.
 - 2 UNDERDRAINS SHALL BE CONSTRUCTED ON A SLOPE PARALLEL TO THE PAVEMENT SLOPE AND CONNECT TO STRUCTURE SHOWN.
 - 3 UNDERDRAIN SHALL BE PLACED AT A MINIMUM DEPTH OF 30". IN AREAS OF POROUS GRANULAR EMBANKMENT, SUBGRADE, THE UNDERDRAIN SHALL BE PLACED A MINIMUM OF 6" BELOW THE POROUS GRANULAR EMBANKMENT, SUBGRADE.
 - 4 COST OF CONNECTING UNDERDRAIN TO STRUCTURES SHALL BE INCLUDED IN THE COST OF PIPE UNDERDRAIN, 6".

PIPE UNDERDRAIN, 6"		
MANNHEIM ROAD		
APPROX. STATION	CONNECT TO STRUCTURE	LENGTH (FT)
29+86.90	1A & 4	106
34+06.90	9 & 13	86
38+26.90	21 & 25	86
42+46.90	31 & 35	100
47+01.90	36 & 39	91
48+76.90	41 & 44	88
50+51.90	46 & 49	88
54+01.90	56 & 59	86
57+51.90	66 & 69	91
61+76.93	78	116
66+29.00	91 & 93	116
69+99.36	107 & 109	94
73+91.00	126 & 127	120
76+21.00	131 & 132	117
78+71.00	135 & 136	105
81+21.00	142 & 143	90
85+75.00	147 & 148	118
90+75.13	155 & 157	126
93+25.50	160 & 161	126
98+04.00	171 & 172	86
103+41.00	177 & 178	94
111+10.00	183 & 188	100
113+50.89	187	58
113+89.11	191	46
12+39.00	193 & 194	56
14+00.00	195 & 196	50
PROJECT TOTAL		2440 FEET



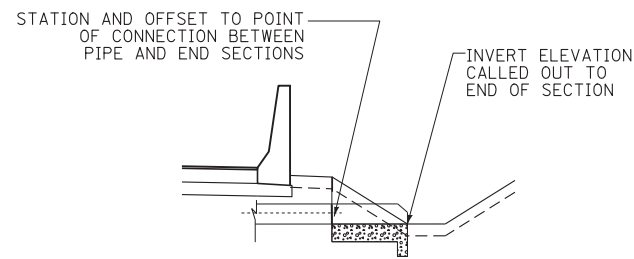
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

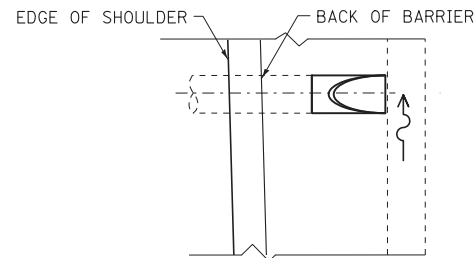
PIPE UNDERDRAIN SCHEDULE

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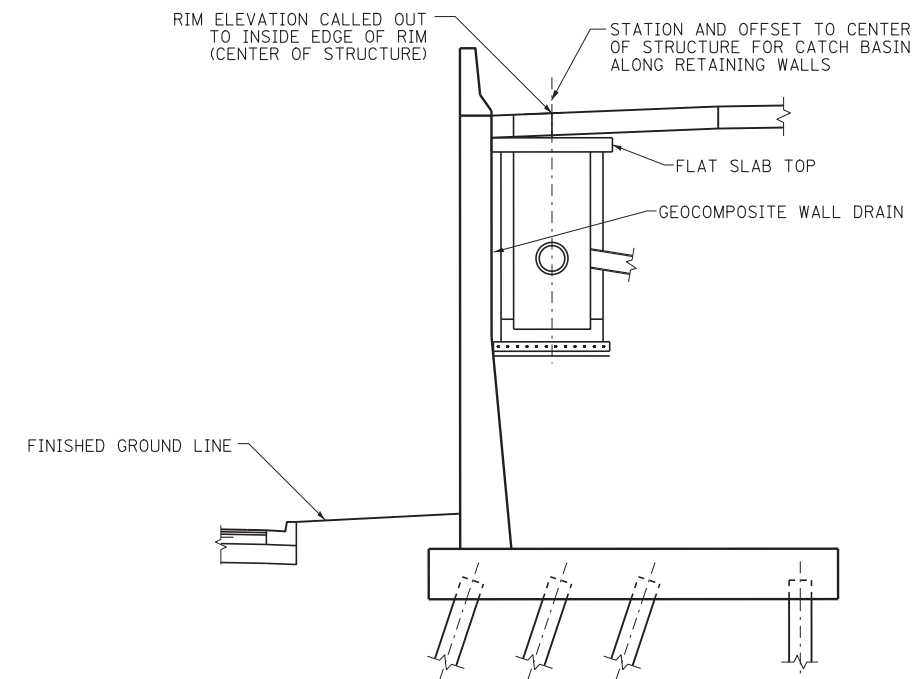
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105 WRS&HB	COOK	605	193
				CONTRACT NO. 60G37
				ILLINOIS FED. AID PROJECT



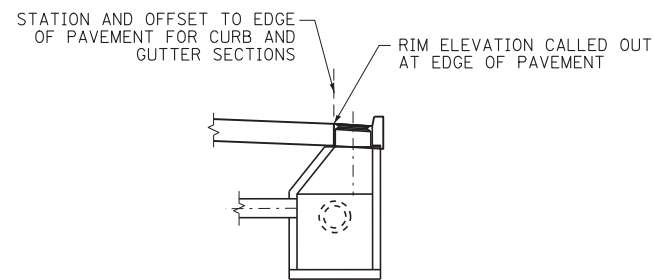
ELEVATION - FLARED END SECTION



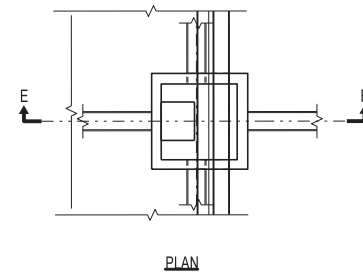
PLAN VIEW - FLARED END SECTION



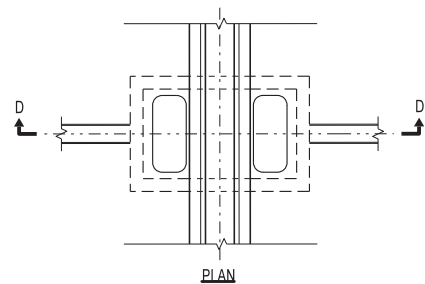
ELEVATION - CATCH BASIN ALONG RETAINING WALLS



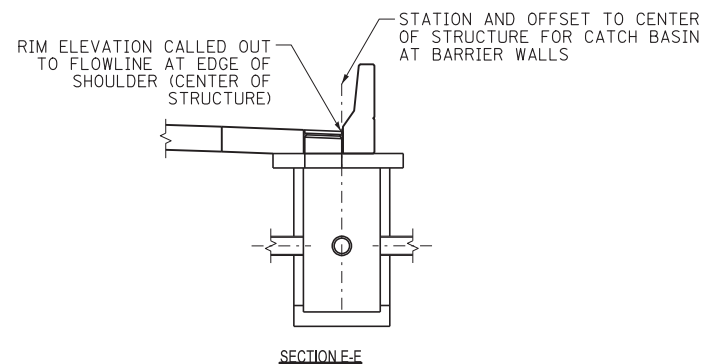
ELEVATION - CATCH BASIN W/CURB & GUTTER



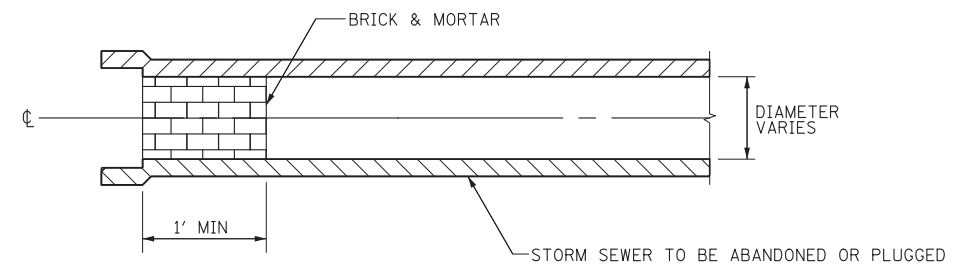
PLAN VIEW - CATCH BASINS AT BARRIER WALLS



PLAN VIEW - DRAINAGE STRUCTURES UNDER BARRIER WALLS

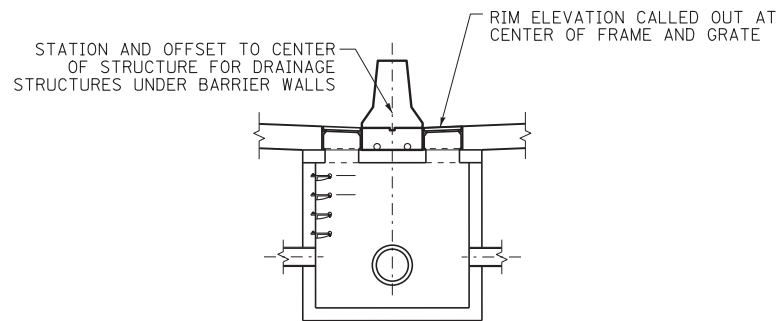


ELEVATION - CATCH BASINS AT BARRIERS WALLS

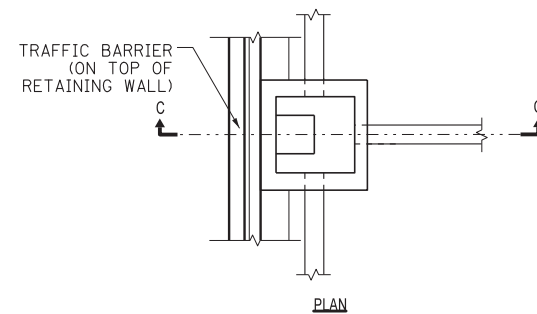


STORM SEWER PLUG

NOTE:
THIS WORK SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE BID FOR THE STORM SEWER ITEMS.



ELEVATION - DRAINAGE STRUCTURES UNDER BARRIER WALLS



PLAN VIEW - CATCH BASINS ALONG RETAINING WALLS



USER NAME = mikosir	DESIGNED MAM/PMS	REVISED -
	DRAWN PMS	REVISED -
PLOT SCALE = 50:1	CHECKED MAM	REVISED -
PLOT DATE = 19-OCT-2012	DATE 10/19/12	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE DETAILS
DRAINAGE STRUCTURE PLACEMENT**

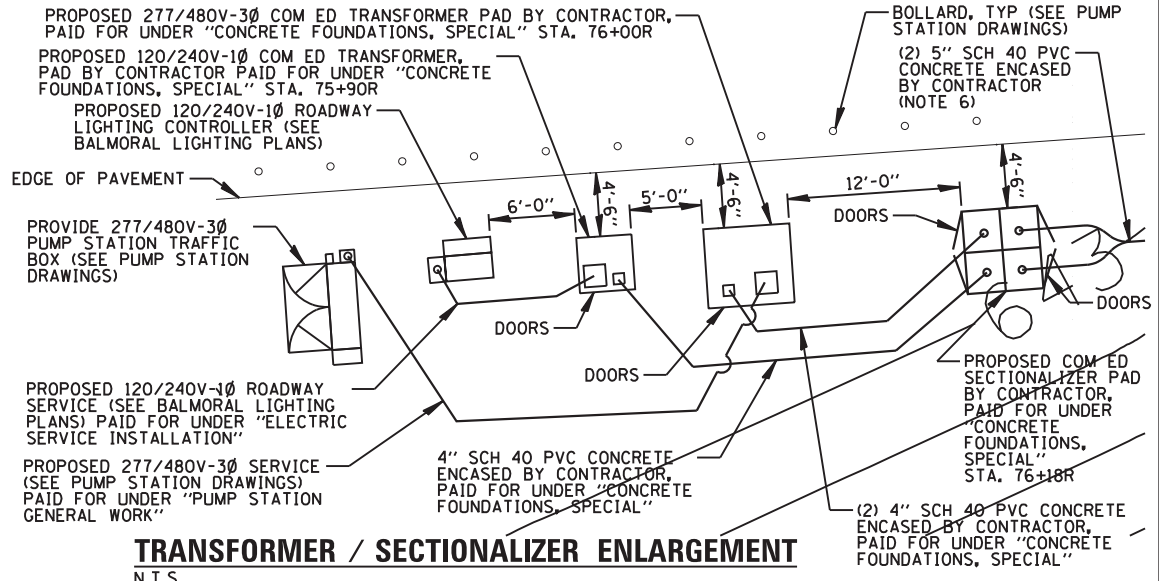
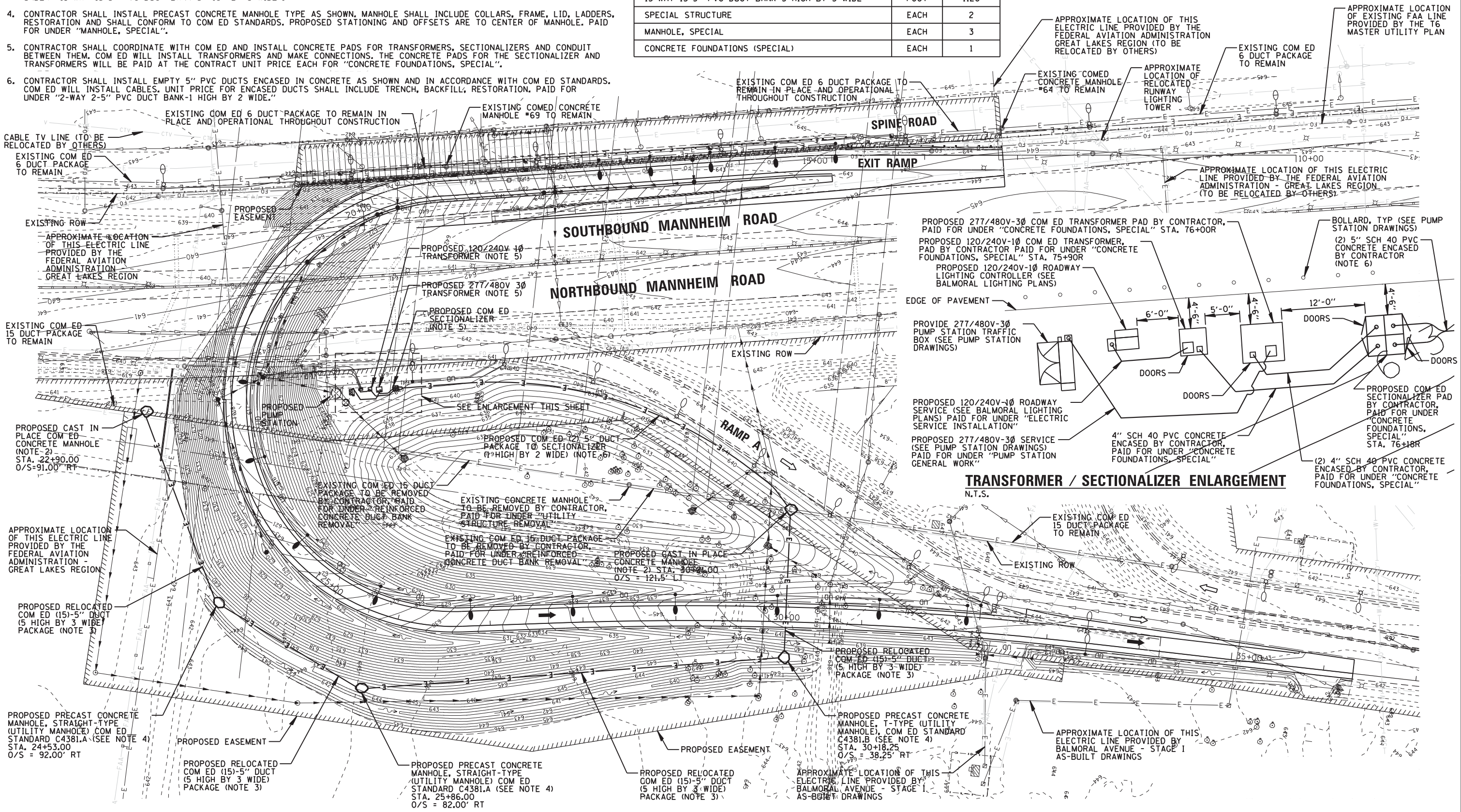
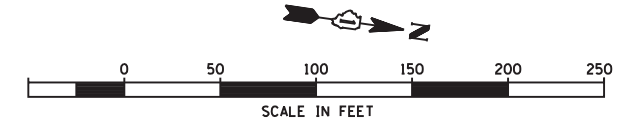
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105 WRS&HB	COOK	605	194
			CONTRACT NO. 60G37	
ILLINOIS FED. AID PROJECT				

NOTES:

- SEE LIGHTING AND PUMP STATION PLANS FOR ALL OTHER ADDITIONAL ELECTRICAL WORK. CONTRACTOR SHALL COORDINATE ALL REMOVAL/RELOCATION WORK.
- EXCAVATE, FRAME, AND POUR CONCRETE MANHOLE AROUND EXISTING CONCRETE ENCASED DUCTS. MANHOLE SHALL INCLUDE COLLARS, FRAME, LID, LADDERS, RESTORATION AND SHALL CONFORM TO COM ED STANDARDS. PROPOSED STATIONING AND OFFSETS ARE TO CENTER OF MANHOLE. PAID FOR UNDER "SPECIAL STRUCTURE".
- CONTRACTOR SHALL INSTALL EMPTY 5" PVC DUCTS ENCASED IN CONCRETE AS SHOWN AND IN ACCORDANCE WITH COM ED STANDARDS. COM ED WILL INSTALL CABLES. UNIT PRICE FOR ENCASED DUCT SHALL INCLUDE TRENCH, BACKFILL AND RESTORATION. PAID FOR UNDER "15-WAY 15-5" PVC DUCT BANK 5 HIGH BY 3 WIDE".
- CONTRACTOR SHALL INSTALL PRECAST CONCRETE MANHOLE TYPE AS SHOWN. MANHOLE SHALL INCLUDE COLLARS, FRAME, LID, LADDERS, RESTORATION AND SHALL CONFORM TO COM ED STANDARDS. PROPOSED STATIONING AND OFFSETS ARE TO CENTER OF MANHOLE. PAID FOR UNDER "MANHOLE, SPECIAL".
- CONTRACTOR SHALL COORDINATE WITH COM ED AND INSTALL CONCRETE PADS FOR TRANSFORMERS, SECTIONALIZERS AND CONDUIT BETWEEN THEM. COM ED WILL INSTALL TRANSFORMERS AND MAKE CONNECTIONS. THE CONCRETE PADS FOR THE SECTIONALIZER AND TRANSFORMERS WILL BE PAID AT THE CONTRACT UNIT PRICE EACH FOR "CONCRETE FOUNDATIONS, SPECIAL".
- CONTRACTOR SHALL INSTALL EMPTY 5" PVC DUCTS ENCASED IN CONCRETE AS SHOWN AND IN ACCORDANCE WITH COM ED STANDARDS. COM ED WILL INSTALL CABLES. UNIT PRICE FOR ENCASED DUCTS SHALL INCLUDE TRENCH, BACKFILL, RESTORATION. PAID FOR UNDER "2-WAY 2-5" PVC DUCT BANK-1 HIGH BY 2 WIDE."

ELECTRIC UTILITY RELOCATION BILL OF MATERIALS		
ITEM	UNIT	QUANTITY
UTILITY STRUCTURE REMOVAL	EACH	1
REINFORCED CONCRETE DUCT BANK REMOVAL	FOOT	750
2-WAY 2-5" PVC DUCT BANK 1 HIGH BY 2 WIDE	FOOT	480
15-WAY 15-5" PVC DUCT BANK 5 HIGH BY 3 WIDE	FOOT	1120
SPECIAL STRUCTURE	EACH	2
MANHOLE, SPECIAL	EACH	3
CONCRETE FOUNDATIONS (SPECIAL)	EACH	1



CB CHRISTOPHER B. BURKE ENGINEERING, LTD.
1675 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 923-0900

USER NAME = adericco	DESIGNED GAH	REVISED -
PLOT SCALE = 1/8" = 1'-0"	DRAWN KWB	REVISED -
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	DATE = 16/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

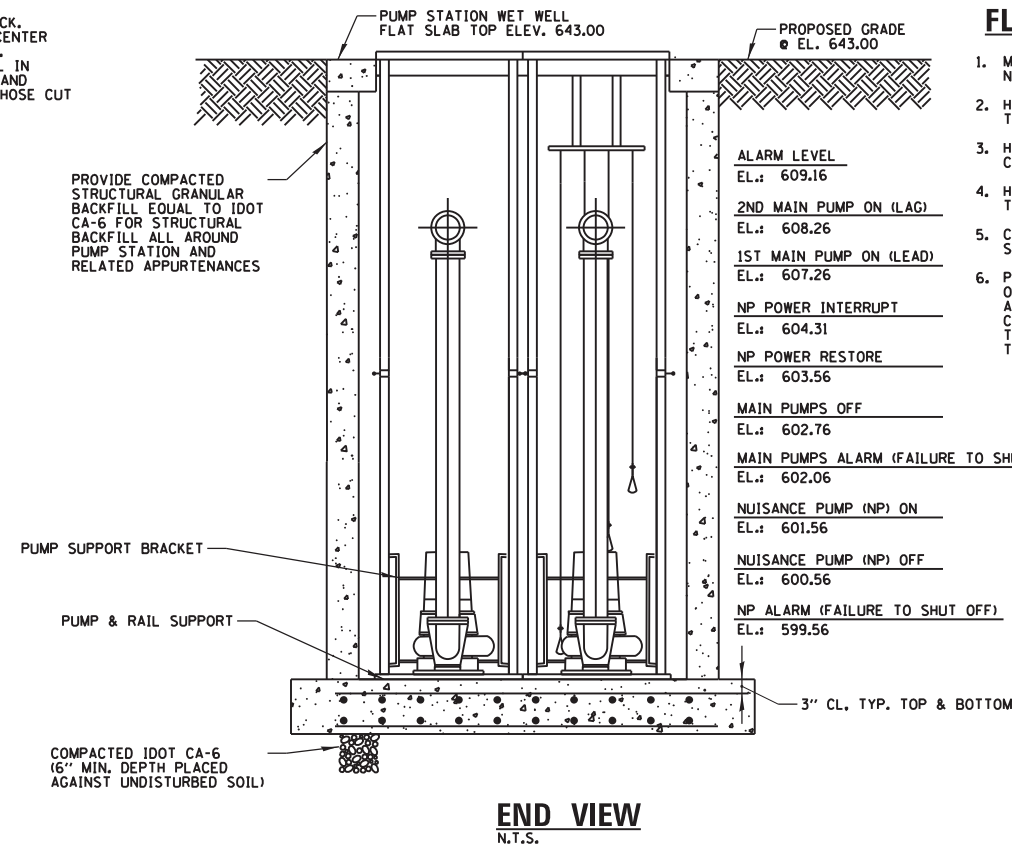
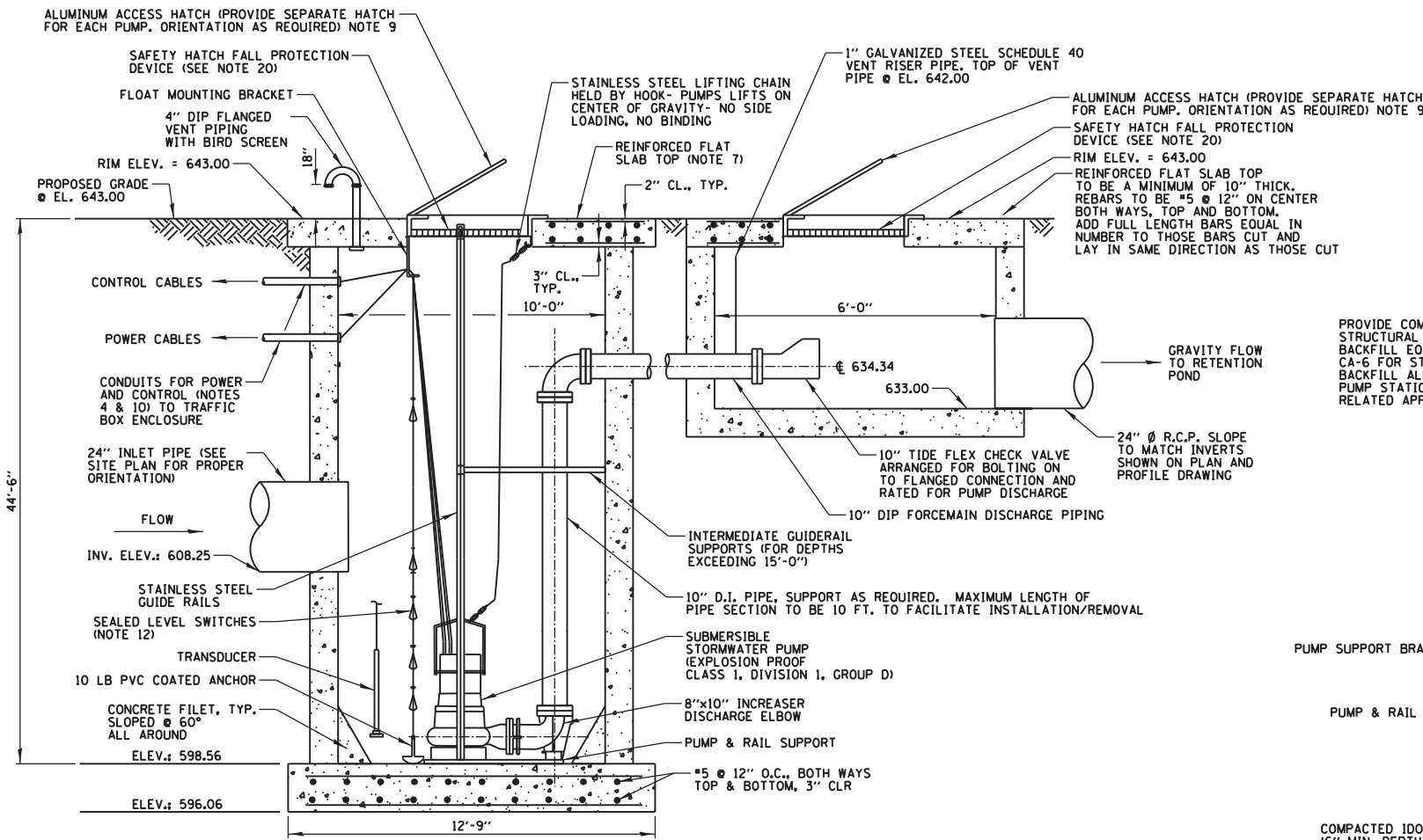
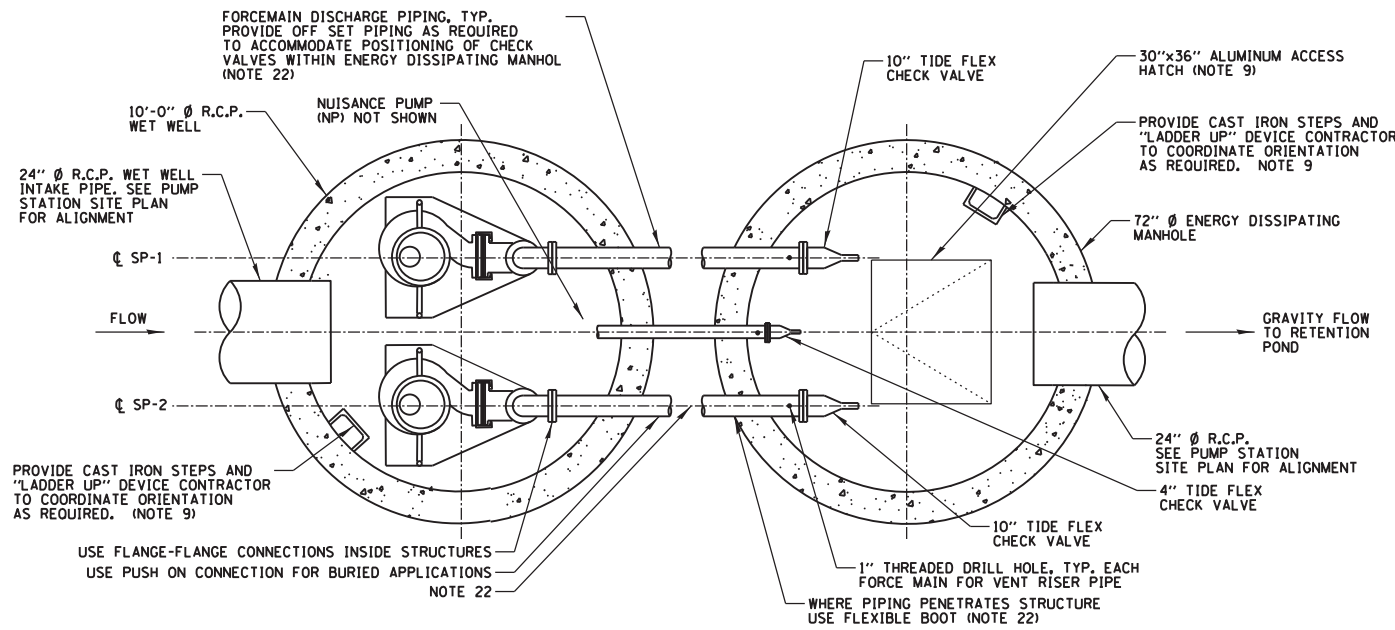
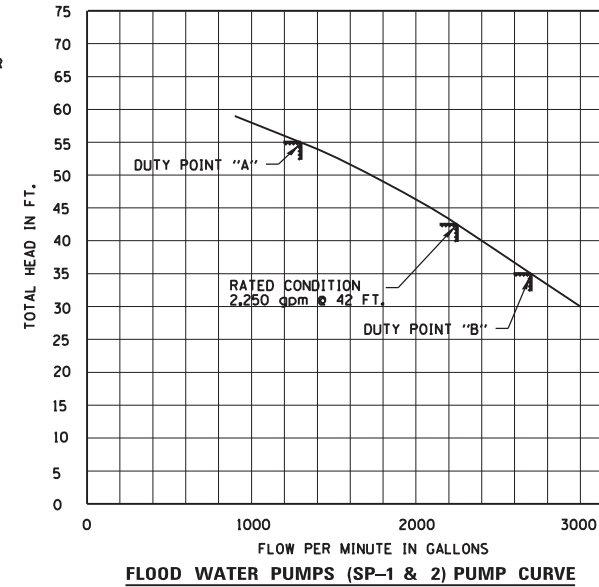
**UTILITY RELOCATION PLAN
COM ED ELECTRIC**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105 WRS&HB	COOK	605	195
CONTRACT NO. 60G37				
ILLINOIS FED. AID PROJECT				

STORMWATER PUMP STATION NOTES

- ANY AND ALL DEWATERING REQUIRED DURING CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- ORIENTATION OF PIPING, CONDUITS, EQUIPMENT ETC. MAY VARY. CONTRACTOR TO COORDINATE WITH EQUIPMENT LOCATIONS SHOWN ON OTHER SHEETS.
- DIMENSIONING SHOWN ON THIS DRAWING IS NOT TO SCALE (NTS). DO NOT SCALE THIS DRAWING.
- LOCATION ORIENTATION AND NUMBER OF EMBEDDED AND/OR BURIED CONDUITS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. MINIMUM NUMBER OF CONDUITS ARE SHOWN ON CONDUIT PLAN. CABLES INTEGRALLY WIRED AND PROVIDED WITH PUMPS AND FLOATS TO BE OF SUFFICIENT LENGTH TO CONNECT TO CONTROLLER WITHOUT SPLICING.
- CONTRACTOR TO COORDINATE POSITION AND SIZE OF PUMP STATION HATCHES TO ALLOW FOR PUMP REMOVAL.
- USE OF PUMPS SUPPLIED UNDER THIS CONTRACT FOR THE PURPOSE OF DEWATERING DURING CONSTRUCTION, WILL NOT BE PERMITTED.
- SEE FLAT SLAB TOP & HATCH NOTES.
- PROVIDE AUTOMATIC ALTERNATOR TO ALTERNATE OPERATION OF LEAD AND LAG PUMPS.
- HATCHES SHALL BE ALUMINUM WITH BRONZE AND/OR 316 STAINLESS STEEL TRIM. LOAD RATING SHALL BE 300 PSF. CONTRACTOR TO COORDINATE HATCH SIZE AND ORIENTATION FOR ACCESS TO CAST IRON STEPS.
- PROVIDE SEPARATE CONDUITS FOR EACH PUMP POWER CABLE. PROVIDE SEPARATE CONDUIT FOR PUMP CONTROL CABLES. PROVIDE SEPARATE CONDUIT FOR FLOAT CONTROL CABLES.
- CONTRACTOR RESPONSIBLE FOR EQUIPMENT ORIENTATION.
- PROVIDE PLASTIC COATED ANCHOR FOR FLOAT SWITCH TO PREVENT MOVEMENT. (SEE DETAILS ON THIS SHEET)
- ALL FASTENERS, MOUNTING HARDWARE, AND LIFTING CHAINS SHALL BE STAINLESS STEEL.
- FOR OPERATING NOTES, SEE PROPOSED PUMP STATION DETAILS (3 OF 4).
- (NOT USED).
- THE FLOAT SYSTEM SHALL OPERATE AS A BACK-UP SYSTEM. A PRIMARY LEVEL MANAGEMENT SYSTEM SHALL BE PROVIDED AND SHALL CONSIST OF A PRESSURE TRANSDUCER AND A CONTROLLER.
- PROVIDE CONDENSATION HEATER AND THERMOSWITCH FOR TRAFFIC BOX ENCLOSURE. HEATER SIZE TO BE COORDINATED BY CONTRACTOR FOR SIZE OF TRAFFIC BOX ENCLOSURE.
- PROVIDE A DUAL 20 AMP GFCI CONVENIENCE OUTLET LOCATED WITHIN THE PUMP CONTROLLER.
- HATCHES SHALL BE GASKETED, ODOR RESISTANT AND LOCKABLE. ALL LOCKS SHALL BE KEYPED TO MATCH OWNER'S REQUIREMENTS.
- SAFETY GRATES SHALL SPAN THE ENTIRE OPENING OF EACH HATCH. A SINGLE SAFETY GRATE SPANNING ALL HATCHES WILL NOT BE ACCEPTABLE. GRATES SHALL BE CAPABLE OF SUPPORTING A 300 PSF.
- PRIOR TO FABRICATION, CONTRACTOR SHALL VERIFY GRADE ELEVATIONS AND INVERTS OF EXISTING SEWERS AND STRUCTURES. CONTRACTOR SHALL COORDINATE INVERTS SUCH THAT JOINTS DO NOT FALL AT LOCATION(S) OF PIPE PENETRATIONS.
- PROVIDE SOLID SLEEVE COUPLINGS AND/OR OFFSET FITTINGS AS REQUIRED TO ACCOMMODATE PIPING ALIGNMENTS BETWEEN WET WELL AND VALVE VAULT. USE FLEXIBLE BOOT SEAL PIPING THROUGH PENETRATION.
- PROVIDE WATER TIGHT JOINT BY FILLING ANNULAR SPACE BETWEEN OPENING AND PIPE WITH SEALING GROUT, TYPICAL FOR ALL PIPING WHICH PENETRATES WET WELL AND/OR VALVE VAULT STRUCTURE.



FLAT SLAB TOP & HATCH NOTES

- MAXIMIZE TO ALLOW FOR REINFORCEMENT; NEED (AS MIN.) 12" BETWEEN CLEAR OPENINGS OF HATCHES.
- HATCH FOR NUISANCE PUMP: 30.5" X 25" (NOMINAL) CONTRACTOR TO COORDINATE LOCATION. (SEE NOTE 5)
- HATCHES FOR MAIN FLOODWATER PUMP, EACH 42" X 32" (NOMINAL); CONTRACTOR TO COORDINATE LOCATION. (SEE NOTE 5)
- HATCH FOR EDMH: 30" X 36" (NOMINAL) CONTRACTOR TO COORDINATE LOCATION. (SEE NOTE 5)
- CONCRETE: FLAT SLAB (FOR WET-WELL) THICKNESS = 12", STRENGTH = 4000 PSI
- PUMP/HATCH LAYOUT BASED UPON HYDROMATIC PUMPS. OTHER PUMPING UNITS MAY REQUIRE LARGER HATCH AND/OR DIFFERENT ORIENTATION THAN INDICATED. CONTRACTOR TO COORDINATE AS REQUIRED. CONTRACTOR TO PROVIDE HATCH SIZE AS REQUIRED FOR ACCESS TO LADDER RUNGS.

CAUTION:

DO NOT ALLOW EXCAVATION TO FILL WITH WATER. STRUCTURE WILL FLOAT. CONTRACTOR TO TAKE APPROPRIATE PRECAUTIONS, AND PROVIDE DEWATERING AS REQUIRED.

NOTE:

VILLAGE OF ROSEMONT WILL BE OWNER/OPERATOR OF THIS PUMPING FACILITY

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(817) 923-0900

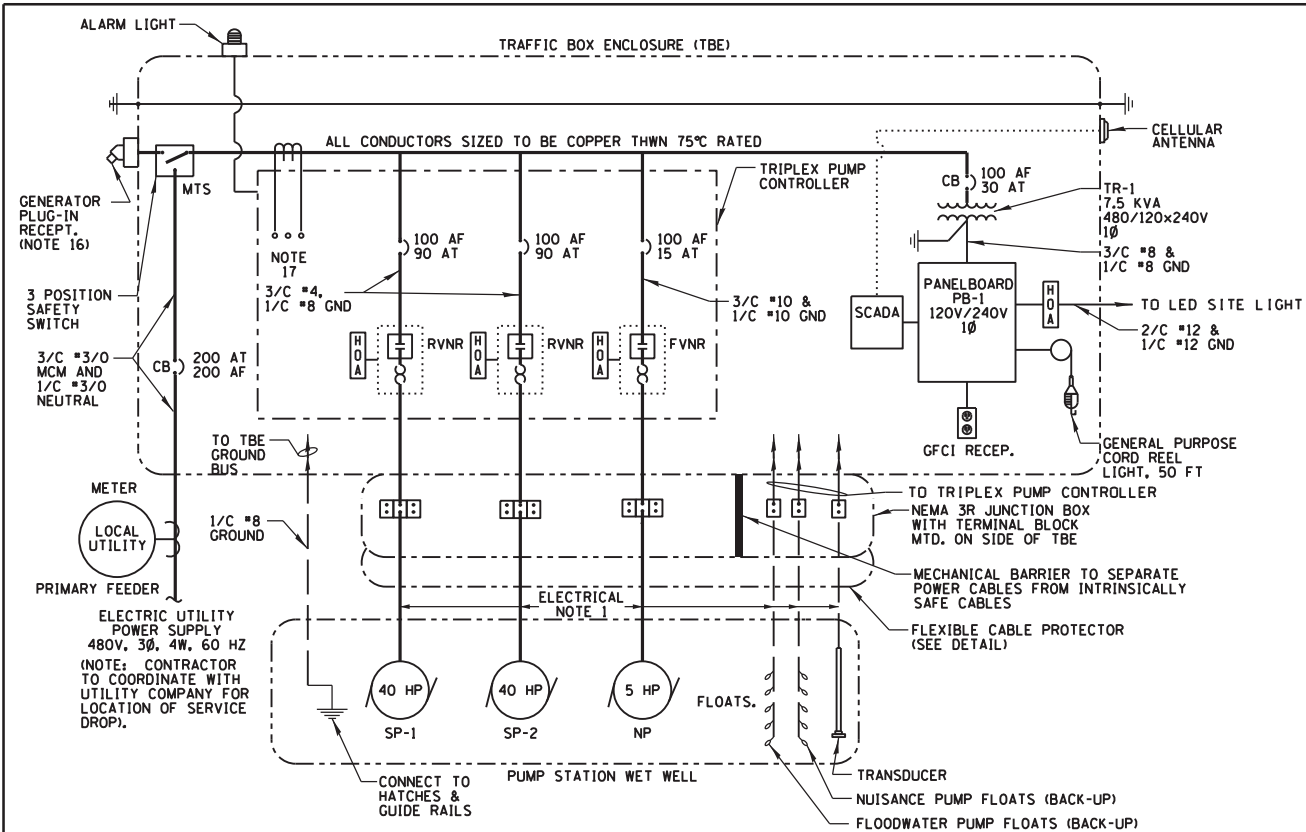
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PLOT DATE = 10/17/2012	CHECKED JPC	REVISED -
	DATE = 10/17/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED PUMP STATION
PLAN AND SECTION

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105 WRS&HB	COOK	605	196
CONTRACT NO. 60G37				
ILLINOIS FED. AID PROJECT				



ELECTRICAL ONE LINE DIAGRAM

SIZE	QTY	TYPE	SERVICE (SEE CONDUIT & GROUNDING PLAN AND RELATED NOTES)	IDENTIFIER
2"	2	RGS	POWER TO SP-1 & SP-2	①
2"	3	RGS	SENSOR CONTROL TO SP-1, SP-2 & NP	②
2 1/2"	2	RGS	FLOAT CABLES FOR SP-1, SP-2 & NP	③
2 1/2"	1	RGS	INCOMING POWER FROM LOCAL UTILITY	④
2"	1	RGS	SPARE (STUB OUT 5 FT AND CAP)	⑤
2"	1	RGS	POWER TO NP	⑥
2"	1	RGS	SPARE TO WET WELL WITH PULL ROPE	⑦
1"	1	RGS	GROUND FIELD CONNECT TO TBE GROUND BUS (STUB OUT 1 FT)	⑧
2"	1	RGS	TRANSDUCER	⑨
1"	1	RGS	WET WELL EQUIPMENT GROUND (1/C #8 GND) (GND ONLY)	⑩
1"	1	RGS	TO LED SITE LIGHT (2/C #12 & 1/C #12 GND)	⑪

CONDUIT SCHEDULE

EQUIPMENT SCHEDULE - (MAJOR ITEMS - SEE EQUIPMENT NOTES 1, THRU 6)					
DESIGNATION	EQUIPMENT	UNIT SIZE &/ OR RATING	ELECTRICAL DATA		
			MOTOR HP	SUPPLY VOLTAGE/PHASE	RPM (NOT TO EXCEED)
PB-1	PANEL BOARD	SEE SPEC'S	N/A	240/120 V; 1Ø	N/A
SP-1	FLOODWATER PUMP	2,250 gpm @ 42 FT.	40 HP	480 V; 3Ø	1200
SP-2	FLOODWATER PUMP	2,250 gpm @ 42 FT.	40 HP	480 V; 3Ø	1200
(NONE)	TRIPLEX PUMP CONTROLLER	SEE SPEC'S.	AS REQ'D	480 V; 3Ø	N/A
TBE	TRAFFIC BOX ENCLOSURE	SEE SPEC'S (SIZE AS REQ'D)	N/A	480 V; 3Ø	N/A
SCADA	SCADA PANEL	----	N/A	24 V; 1Ø	N/A
NP	NUISANCE PUMP	200 gpm @ 37.5 FT.	5 HP	480 V; 3Ø	1800
MTS	MANUAL TRANSFER SWITCH	200 AMPS	N/A	480 V; 3Ø	N/A

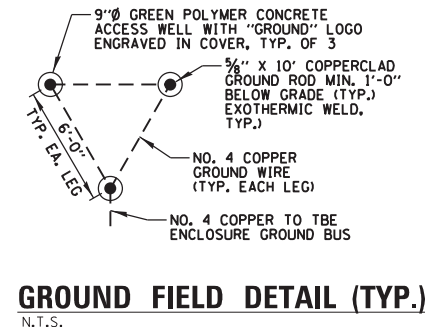
EQUIPMENT NOTES:

- THE EQUIPMENT SCHEDULE SHOWN ON THIS DRAWING IS A LIST OF MAJOR ITEMS OF POWER USING EQUIPMENT. THE EQUIPMENT SCHEDULE IS NOT INTENDED TO LIST EVERY ITEM OF EQUIPMENT.
- HORSEPOWERS OR KILOWATT RATINGS MAY BE LARGER OR SMALLER THAN INDICATED FOR SOME EQUIPMENT. CONTRACTOR TO COORDINATE WITH ELECTRICAL NOTE 6 ON THIS SHEET.
- CONTRACTOR TO SUBMIT TO THE OWNER'S REPRESENTATIVE DETAILS OF INSTALLATION & SHOP DRAWINGS OF EQUIPMENT PROVIDED.
- SEE PANEL BOARD LOAD SCHEDULE FOR OTHER EQUIPMENT SERVICED.
- SEE SPECIFICATIONS FOR ADDITIONAL DETAILS AND REQUIREMENTS.
- ALL ELECTRICAL WIRING IN WET WELL TO BE WATER TIGHT AND MOISTURE PROOF.

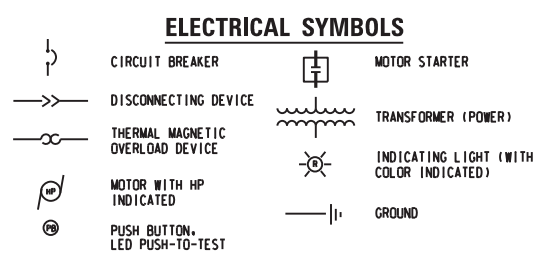
PANELBOARD SCHEDULE (PB-1)						
125 AMP BUS RATING 120/240 VOLTS		22,000A S.C. RATING 1 PH. 3 WIRE 60 HZ.		12 SPACES SURFACE MOUNTED		
DESCRIPTION	LOAD W	C/B AMP POLES	CIRCUIT NOS.	C/B AMP POLES	LOAD W	DESCRIPTION
MAIN CIRCUIT BREAKER 30 AMP/2 POLE						
ALARM LIGHT	75	20A	1	20A	1000	CONDENSATION HEATERS
120V GFI RECEPTACLE	1920	20A	3	20A	100	CORD REEL LIGHT
LED SITE LIGHT	275	20A	5	20A	--	SCADA
SPARE		20A	7	20A		SPARE
SPACE	--		9	--		SPACE
SPACE	--		11	--		SPACE

NOTES:

- SEE CONDUIT SCHEDULE FOR IDENTIFIERS. NOTE THAT REQUIRED SIZE OF CONDUIT IS FUNCTION OF CABLE SIZE OF SELECTED EQUIPMENT AND MAY BE LARGER OR SMALLER THAN INDICATED BY THE CONDUIT SCHEDULE. CONTRACTOR TO COORDINATE.
- SEE SITE PLAN FOR EQUIPMENT ORIENTATION AND ARRANGEMENT CONTRACTOR TO COORDINATE.
- THIS PLAN ILLUSTRATES A CONCEPTUAL LAYOUT. CONTRACTOR TO COORDINATE AS REQUIRED.
- SEE ROADWAY LIGHTING DRAWINGS FOR LIGHTING CONDUIT PLAN AND EQUIPMENT DETAILS.
- CONTRACTOR RESPONSIBLE FOR COORDINATING PUMPING EQUIPMENT AND LIGHTING EQUIPMENT INSTALLATION SCHEDULE SO AS TO MINIMIZE DISTURBANCE OF INVOLVED AREA.
- CONNECT EQUIPMENT GROUND CONDUCTOR FROM THE TBE GROUND BUS VIA ⑩ TO WET WELL HATCHES AND GUIDE RAILS.



GROUND FIELD DETAIL (TYP.)
N.T.S.



ELECTRICAL ABBREVIATIONS

- FVR - FULL VOLTAGE REVERSING
- FVNR - FULL VOLTAGE NON-REVERSING
- RVNR - REDUCED VOLTAGE NON-REVERSING
- GRND - GROUND
- MTS - MANUAL TRANSFER SWITCH
- NEUT - NEUTRAL
- J.B. - JUNCTION BOX
- HOA - HAND-OFF-AUTO SELECTOR SWITCH
- ETM - ELAPSED TIME METER

ELECTRICAL NOTES

- POWER/CONTROL CABLES INTEGRALLY WIRED AND PROVIDED WITH RESPECTIVE PUMPING UNITS, AND/OR FLOATS. CONTRACTOR TO COORDINATE CABLE LENGTHS TO BE PROVIDED AS REQUIRED. CABLE LENGTHS TO BE CONTINUOUS AND UNSPLICED.
- PROVIDE SEPARATE CONDUITS FOR CABLING AS NOTED.
- COMMONWEALTH EDISON COMPANY (C.E. CO.) METER. (METER FURNISHED BY C.E. CO. AND INSTALLED BY CONTRACTOR. INSTALLATION PER C.E. CO. REQUIREMENTS).
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY/ALL NECESSARY COORDINATION FOR THE REQUIRED ELECTRICAL SERVICE.
- EXACT LOCATION OF EMBEDDED AND/OR BURIED CONDUITS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR SUBJECT TO THE REVIEW OF THE OWNER'S REPRESENTATIVE. ACTUAL NUMBER OF CONDUITS SHALL BE AS REQUIRED.
- TRIP RATINGS SHOWN OR SPECIFIED ARE FOR MOTOR HORSEPOWERS ANTICIPATED. SELECTED EQUIPMENT HORSEPOWER MAY BE LARGER OR SMALLER THAN INDICATED. CONTRACTOR SHALL PROVIDE THE NECESSARY TRIP RATINGS AS REQUIRED BY N.E.C. FOR THE ACTUAL EQUIPMENT PROVIDED.
- ELECTRICAL EQUIPMENT PADS TO BE MINIMUM 4" ABOVE GRADE.
- GROUND RODS SHALL BE USED FOR GROUNDING. MINIMUM SIZE SHALL BE 5/8" INCH DIA., 10 FEET LONG. INSTALLATION AND GROUND RESISTANCE SHALL BE IN ACCORDANCE WITH SPECIFICATIONS AND MEET OWNER APPROVAL. SEE GROUNDING NOTES FOR ADDITIONAL DETAILS.
- UNLESS OTHERWISE SPECIFIED OR SHOWN ON THE DRAWINGS, USE PVC CONDUITS FOR BELOW GRADE OR EMBEDDED IN CONCRETE, AND RIGID GALVANIZED STEEL CONDUIT FOR OTHER APPLICATIONS.
- TIME DELAY RELAYS AND MOTOR STARTERS FOR EACH PUMP SHALL BE PROVIDED WITH A (0-60 SECOND) ADJUSTABLE TIME DELAY RELAY. RELAYS SHALL BE ADJUSTABLE IN 5 SECOND INTERVALS.
- THE CONTRACTOR SHALL FURNISH AND INSTALL COMPLETE ALL ELECTRICAL DEVICES, CONDUIT AND WIRING AND CONTROLS AS REQUIRED FOR THE UNATTENDED AND AUTOMATIC OPERATION OF THE PUMP STATION, AS SPECIFIED.
- PROVIDE GFCI PROTECTION FOR ALL POWER RECEPTACLES.
- THE ELECTRICAL DEVICES/COMPONENTS/CONTROLLER MUST BE LISTED FOR USE BY A NATIONALLY RECOGNIZED TESTING LABORATORY.
- AS BUILT DRAWINGS SHALL BE PROVIDED INCLUDING FIELD VERIFICATION BY THE CONTRACTOR.
- INSTALLATION SHALL COMPLY WITH NATIONAL ELECTRICAL CODE REQUIREMENT FOR CLASS 1, DIVISION 1, GROUP D.
- PLUG-IN RECEPTACLE FOR PORTABLE STANDBY ELECTRIC GENERATOR SET. CONTRACTOR TO COORDINATE PIN CONFIGURATION WITH OWNER'S PUBLIC WORKS DEPT. (PORTABLE ELECTRIC GENERATOR NOT PART OF THIS CONTRACT.)
- PROVIDE 3-PHASE FAILURE MONITOR AS PART OF THE PUMP CONTROLLER TO DROP OUT PUMPS UPON LOSS OF ANY LEG PHASE.

GROUNDING NOTES

- FURNISH AND INSTALL A GROUND FIELD AS SHOWN. GROUNDING CONDUCTOR SHALL BE INSTALLED 1'-10" MINIMUM BELOW GROUND.
- GROUND ALL EXPOSED METAL WORK SUCH AS HATCHES, METAL CABINETS, EQUIPMENT FRAMES, ETC. CONNECTIONS TO HATCHES AND OTHER METAL WORK SHALL BE FUSION WELDED. CONNECTIONS TO THE GALVANIZED EQUIPMENT AND TO EQUIPMENT WHICH MAY BE REMOVED FOR MAINTENANCE SHALL BE MADE WITH BOLTED CLAMP TYPE CONNECTIONS OF SOLID COPPER. WELDED TO THE GROUNDING CONNECTOR.
- UNLESS OTHERWISE INDICATED, THE MINIMUM SIZE OF SYSTEM GROUNDING CONDUCTOR SHALL BE NO. 4 AWG.
- EACH CONDUIT RUN SHALL BE GROUND TO THE COMMON GROUNDING BUS IN THE PANEL WHERE IT ORIGINATES. THE MINIMUM SIZE OF GROUNDING CONDUCTOR SHALL BE PER NEC SECTION 250.122 OR AS OTHERWISE SHOWN ON THE DRAWINGS.
- GROUNDING RODS SHALL BE COPPERWELD. MINIMUM 5/8" IN. DIAMETER x 10 FT. LONG. CABLE-TO-CABLE AND CABLE-TO-GROUND ROD CONNECTIONS SHALL BE MADE BY THE FUSION WELDING PROCESS.

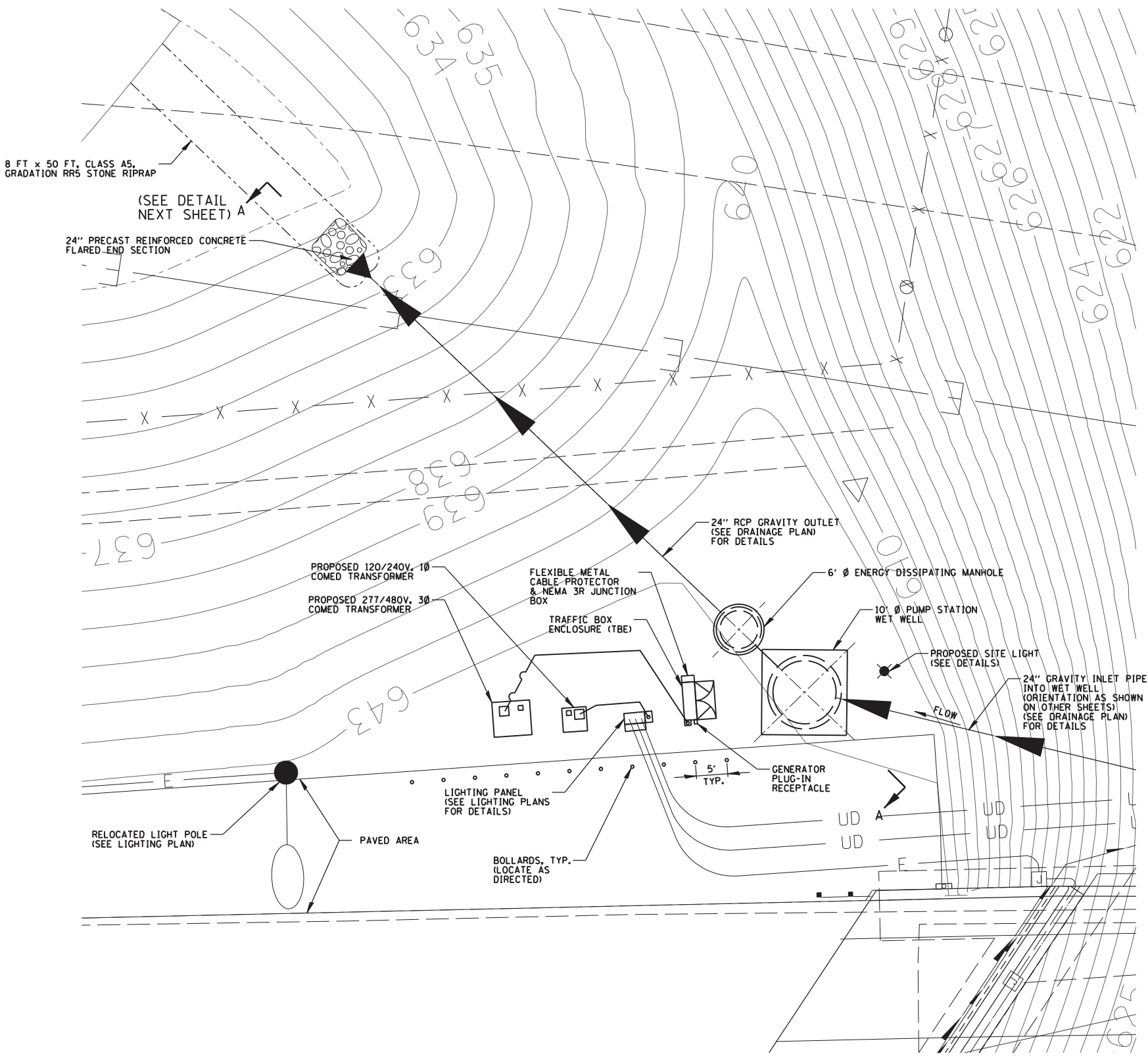
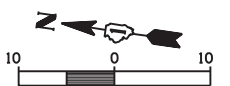
CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 800
Rosemont, Illinois 60018
(817) 923-0900

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	DATE = 10/17/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED PUMP STATION
DETAILS (1 OF 4)**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105 WRS&HB	COOK	605	197
CONTRACT NO. 60G37				

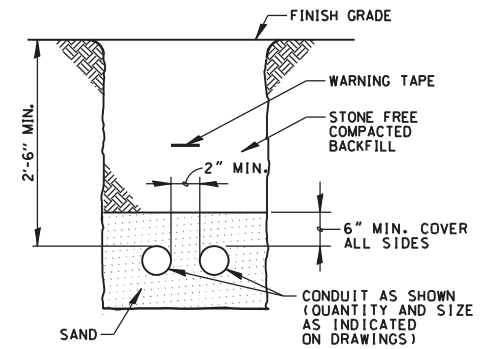


PUMP STATION SITE PLAN
SCALE: 1"=10'

ITEM	DESCRIPTION (SEE SPECIFICATIONS FOR ADDITIONAL DETAILS)
PUMP STATION WET WELL	10 FT. DIA. WET WELL APPROXIMATELY 44.5 FEET DEEP WITH FLAT SLAB TOP AND ALUMINUM ACCESS HATCHES
PUMPS (MAIN FLOODWATER PUMPS DESIGNATED SP-1 & SP-2) AND FLOAT SWITCHES	TWO (2) SUBMERSIBLE NON-CLOG, EXPLOSION PROOF PUMPS WITH BASE PLATE, GUIDE RAILS, PUMP SUPPORT BRACKETS, PUMP AND RAIL SUPPORT AND DISCHARGE ELBOW INCLUDING MECHANICAL FLOAT SWITCHES IN THE WET WELL FOR ACTIVATION OF SP-1 & 2
NUISANCE PUMP (NP) AND RELATED FLOAT SWITCHES	NUISANCE PUMP TO BE OF SAME DESIGN AS SP-1 & SP-2 WITH FLOAT CONTROLS FOR "ON", "OFF", "POWER INTERRUPT" AND "POWER RESTORE"
FORCEMAIN DISCHARGE PIPING AND TIDE FLEX CHECK VALVE	INDIVIDUAL D.I. DISCHARGE PIPING TO BE PROVIDED FOR EACH PUMP; EACH PROVIDED WITH TIDE FLEX TYPE CHECK VALVE AT THE END OF EACH PIPE.
ENERGY DISSIPATING MANHOLE (EDMH)	72" ENERGY DISSIPATING MANHOLE WITH FLAT SLAB TOP AND CAST IRON FRAME AND GRATE COVER
CONDUIT & WIRING	ELECTRICAL CONDUIT AND WIRING AS REQUIRED ALL IN ACCORDANCE WITH NEC
GROUNDING	GROUNDING RODS AND CABLES AS SHOWN
TRAFFIC BOX ENCLOSURE	ALUMINUM NEMA 3R ENCLOSURE HOUSING ELECTRICAL DEVICES INCLUDING PUMP CONTROLS, PANEL(S), TRANSFORMER(S), MTS, AUTODIALER, AND OTHER ELECTRICAL COMPONENTS REQUIRED FOR THE PUMP STATION
480V, 3Ø ELECTRIC METER	AS REQUIRED BY LOCAL UTILITY
ELECTRIC SERVICE CONDUIT & WIRE	RGS CONDUIT & XLP TYPE-USE CABLES AS SHOWN

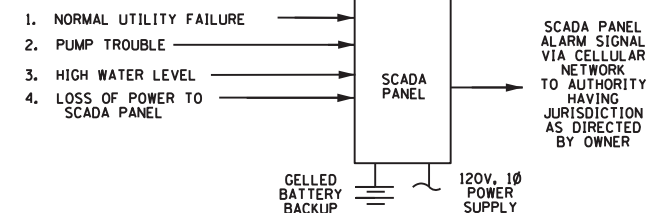
NOTES:

- PAYMENT FOR THE PUMP STATION AND ACCESSORIES SHALL BE ON A LUMP SUM BASIS AND SHALL CONSIST OF BUT NOT BE LIMITED TO THE MAJOR MATERIALS, EQUIPMENT, DEVICES, AND COMPONENTS LISTED ABOVE.
- PAYMENT FOR ROADWAY LIGHTING EQUIPMENT AND ACCESSORIES (IE, 120V/240V TRANSFORMER, SERVICE AND BRANCH CONDUITS & WIRING AND CONTROLLER AS WELL AS LIGHTING EQUIPMENT AND FIXTURES) WILL BE MADE PER CODED PAY ITEMS



DIRECT BURIED CONDUIT DETAIL
N.T.S.

ALARM SCHEDULE



NOTES:

- CONTRACTOR TO COORDINATE CONNECTING PROPOSED SCADA PANEL TO THE EXISTING VILLAGE OF ROSEMONT SCADA SYSTEM

AUTO DIALER ONE LINE DIAGRAM
N.T.S.

<p>CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (817) 923-0900</p>	USER NAME = pmagnelli	DESIGNED JPC	REVISED -
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		DATE = 10/17/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED PUMP STATION DETAILS (2 OF 4)

SCALE: SHEET NO. OF SHEETS STA. TO STA.

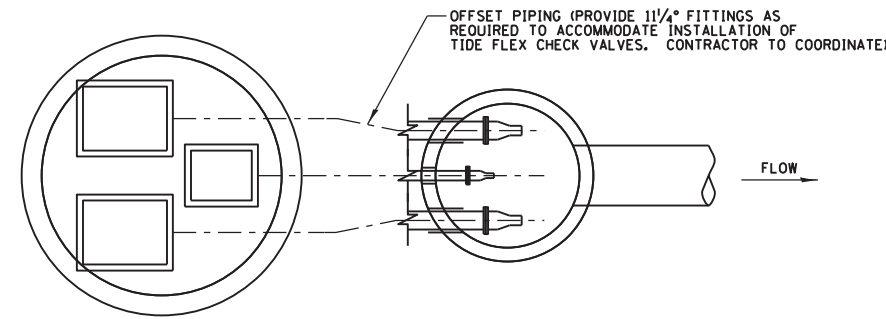
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105 WRS&HB	COOK	605	198
CONTRACT NO. 60G37				
ILLINOIS FED. AID PROJECT				

PUMP STATION OPERATION

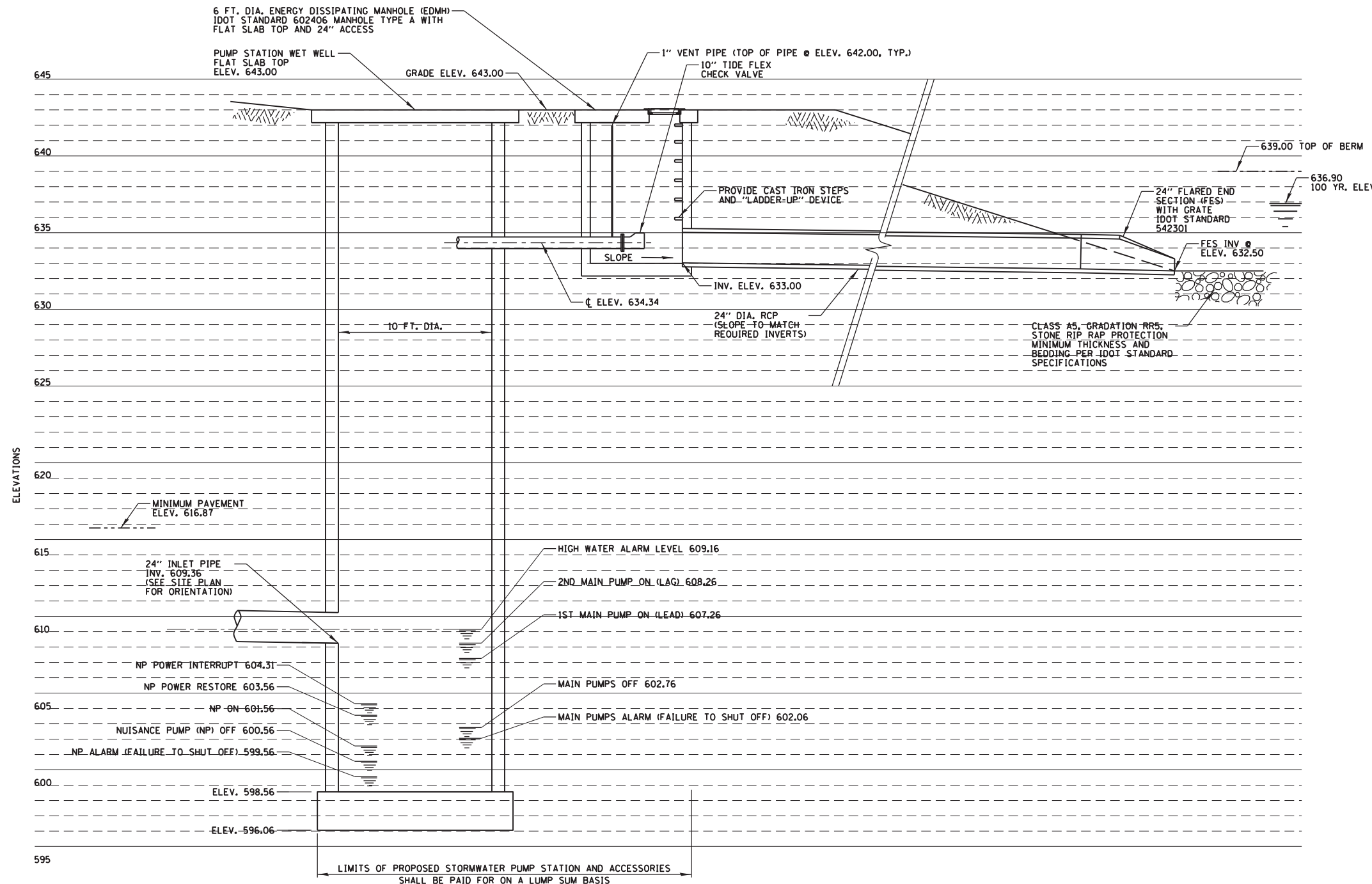
1. GENERAL. SYSTEM OPERATION SHALL BE BY MEANS OF A PUMP CONTROLLER IN COMBINATION WITH A MECHANICAL FLOAT WATER LEVEL SENSING SYSTEM. THE WATER LEVEL VARIATIONS IN THE WET WELL SHALL BE SENSED BY THE FLOAT SWITCHES AND SHALL START AND STOP THE PUMPS, AND PROVIDE A HIGH WATER LEVEL ALARM. THE OPERATING WATER LEVELS FOR THE PUMP CONTROLS INCLUDING THE PUMP OFF LEVELS, FIRST (LEAD) MAIN PUMP ON LEVEL, SECOND (LAG) MAIN PUMP ON LEVEL, NUISANCE PUMP ON AND POWER INTERRUPT AND ALARM LEVEL ARE SHOWN ON THE DRAWINGS.
2. NUISANCE PUMP. THE NUISANCE PUMP WILL OPERATE DURING NON-STORM EVENTS AND WILL BE USED TO PUMP OUT RESIDUAL AND SEEPAGE FLOWS ENTERING THE WET WELL. UPON RISING WATER LEVEL THE FLOAT SYSTEM SHALL SIGNAL TO START THE NUISANCE PUMP. WITH THE NUISANCE PUMP OPERATING, THE WATER LEVEL SHALL LOWER UNTIL THE SIGNAL IS GIVEN TO TURN OFF THE PUMP AT THE DESIGNATED NUISANCE PUMP OFF LEVEL. IF THE WATER LEVEL CONTINUES TO RISE WHEN THE NUISANCE PUMP IS OPERATING (I.E. OCCURRENCE OF STORM EVENT) AN OVERRIDE SIGNAL SHALL BE GIVEN TO INTERRUPT POWER TO THE NUISANCE PUMP SO THAT MAIN PUMP SP-1 AND SP-2 WILL TAKE OVER THE PUMPING OPERATION.
3. MAIN PUMPS. DURING A STORM EVENT AND UPON WATER LEVEL RISE, THE FLOAT SYSTEM SHALL SIGNAL TO START THE LEAD MAIN PUMP AT THE DESIGNATED FIRST MAIN PUMP ON LEVEL. WITH THE LEAD MAIN PUMP OPERATING, THE WATER LEVEL SHALL LOWER UNTIL THE SIGNAL IS GIVEN TO TURN OFF THE MAIN PUMP AT THE DESIGNATED MAIN PUMPS OFF LEVEL. THE ALTERNATING RELAY IN THE CONTROL PANEL SHALL INDEX ON STOPPING OF THE MAIN PUMP SO THAT THE LAG MAIN PUMP SHALL START ON THE NEXT MAIN PUMP OPERATION. IF THE WATER LEVEL CONTINUES TO RISE WHEN THE LEAD MAIN PUMP IS OPERATING, AN OVERRIDE SIGNAL SHALL BE GIVEN TO START THE LAG MAIN PUMP AT THE DESIGNATED SECOND MAIN PUMP ON LEVEL. BOTH LEAD AND LAG MAIN PUMPS SHALL OPERATE UNTIL THE WATER LEVEL IS LOWERED TO THE MAIN PUMPS OFF LEVEL. IF THE WATER LEVEL CONTINUES TO RISE WHEN BOTH MAIN PUMPS ARE OPERATING, A SIGNAL TO ACTIVATE THE ALARM SHALL BE GIVEN UPON REACHING THE DESIGNATED ALARM LEVEL. IF ONE MAIN PUMP SHOULD FAIL TO OPERATE, THE MAIN SECOND PUMP SHALL OPERATE ON THE OVERRIDE SIGNAL. ALL LEVEL SWITCHES SHALL BE MANUALLY ADJUSTABLE FOR LEVEL SETTING FROM THE SURFACE.
4. AFTER STORM EVENT HAS PAST POWER SHALL BE RESTORED TO THE NUISANCE PUMP AND SYSTEM SHALL RETURN TO OPERATION DURING NON-STORM EVENT. POWER RESTORE FOR THE NUISANCE PUMP SHALL BE PROVIDED WITH AN ADJUSTABLE TIME DELAY RELAY (ADJUSTABLE BETWEEN ONE MINUTE AND FIVE MINUTES IN 15 SECOND INTERVALS) TO PREVENT NUISANCE PUMP ON-OFF HUNTING WHEN MAIN PUMPS ARE IN OPERATION.

SUBSURFACE OPERATION PLAN

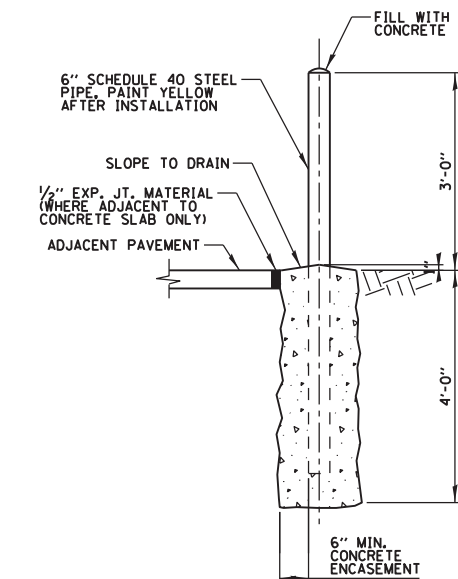
1. BEFORE COMMENCING ACTIVITY AT THE SITE THE CONTRACTOR SHALL PREPARE AN "OPERATION PLAN" DRAWING SHOWING THE SEQUENCE OF OPERATION AND TIMING THAT IS PROPOSED FOR THE SUBSURFACE WORK. THIS PLAN DRAWING SHALL BE EXCLUSIVE OF ALL OTHER PLANS AND SCHEDULES REQUIRED UNDER THE CONTRACT. THE PLAN SHALL SHOW IN PLAN AND PROFILE SUPPLEMENTED BY SKETCHES, TEXT AND BAR DIAGRAMS THE EXTENT AND SEQUENCE OF WORK REQUIRED FOR THE SUBSURFACE CONSTRUCTION. THE PLAN SHALL SHOW ALL EXCAVATION, SHEETING, PROTECTION, DEWATERING PROCEDURES, UTILITIES SUPPORT, DRAINS AND ALL OTHER FEATURES REQUIRED TO PERFORM THE SUBSURFACE OPERATION. THE PLAN SHALL BE SUBMITTED TO THE OWNER'S REPRESENTATIVE FOR REVIEW. INsofar AS POSSIBLE ALL INFORMATION SHALL BE SHOWN ON THE PLAN FOR CONVENIENCE OF INTERPRETATION UNDER FIELD CONDITIONS. THE PLAN SHALL BE SEALED BY AN ILLINOIS REGISTERED STRUCTURAL ENGINEER.
2. ALL SHEETING/SHORING AND EARTH RETENTION/PROTECTION OF THE EXCAVATIONS, AROUND THE PROJECT WORK SITE SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.



PLAN



SECTION A-A (M3)



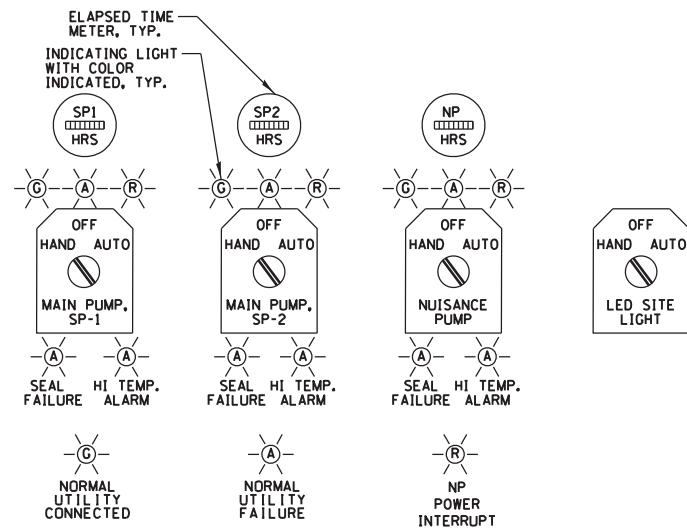
SEE SITE DRAWING FOR LOCATION

BOLLARD DETAIL

N.T.S.

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DRAWN KWB	CHECKED JPC	REVISED -
PLOT SCALE = 8'	DATE - 10/17/2012	REVISED -
PLOT DATE = 10/17/2012		

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105 WRS&HB	COOK	605	199
				CONTRACT NO. 60G37
ILLINOIS FED. AID PROJECT				



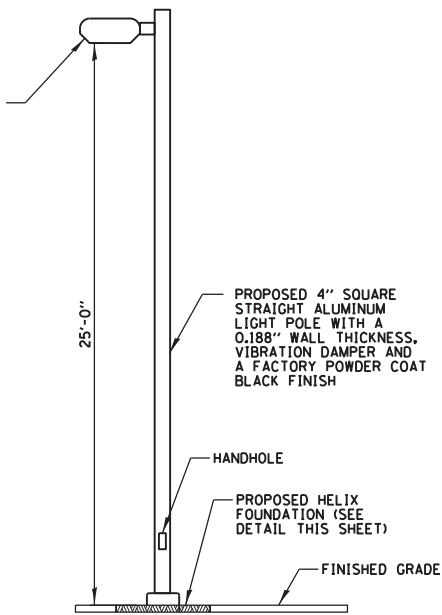
NOTES:

1. INDICATING LIGHTS SHALL BE LED WITH PUSH-TO-TEST FEATURE.

TYPICAL CONTROL LAYOUT

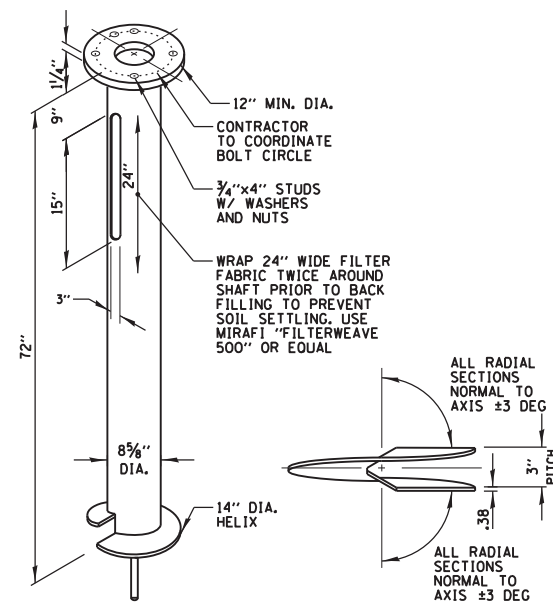
N.T.S.

264W LED SHOEBOX TYPE LUMINAIRE WITH TYPE 5 OPTICS, AND A FACTORY POWDER COAT BLACK FINISH (BETA LED MODEL NO. ARE-EDG-5M-AA-24-D-UL-BK-350-P)



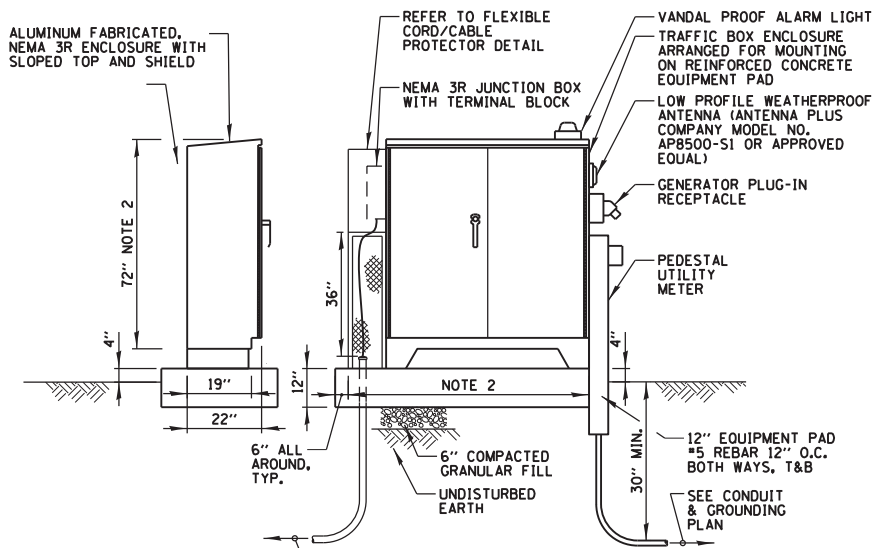
PROPOSED LED SITE LIGHT POLE

N.T.S.



HELIX FOUNDATION

HELIX SIDE VIEW

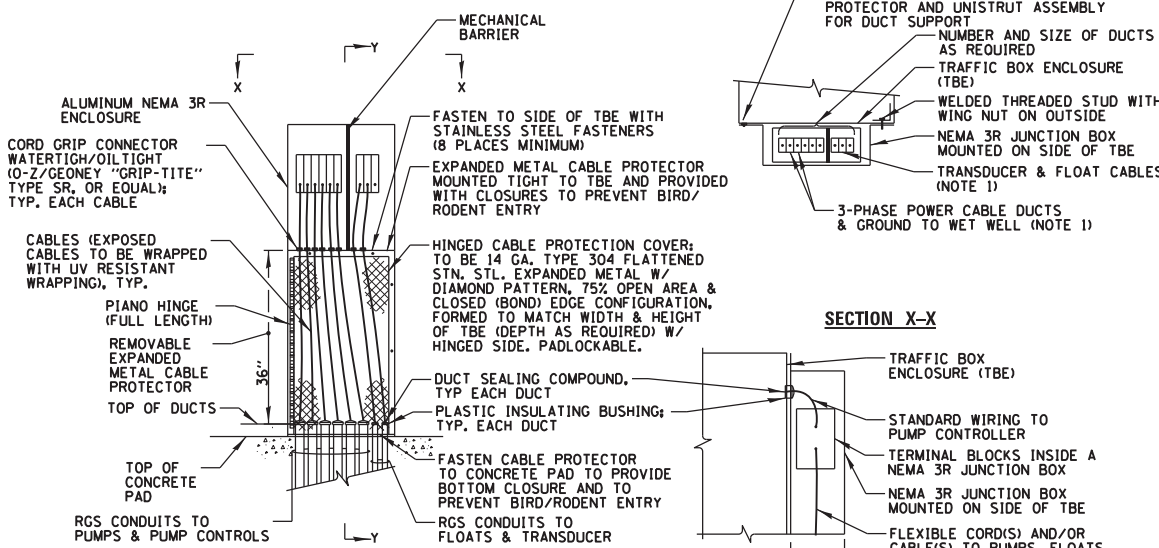


NOTES:

1. ALL CONDUIT TO BE BOTTOM FED.
2. MAX. ANTICIPATED TRAFFIC BOX TO BE AS COMPACT AS POSSIBLE. CONTRACTOR TO COORDINATE. OVERALL SIZE AS REQUIRED.
3. SEE SITE PLAN FOR ORIENTATION.
4. SEE CONDUIT & GROUNDING PLAN FOR CONDUIT INFORMATION.

TRAFFIC BOX ENCLOSURE (TBE)

N.T.S.



NOTES:

1. PROVIDE MECHANICAL BARRIER TO SEPARATE POWER CABLES FROM INTRINSICALLY SAFE CABLES

FLEXIBLE CABLE PROTECTOR DETAIL

N.T.S.

NOTES:

1. FINISH: HOT DIP GALVANIZED PER AASHTO M11 (LATEST REVISION).
2. BASEPLATE TO BE PERPENDICULAR TO SHAFT AXIS (± 1 DEG) AND HOLE CENTERLINE CONCENTRIC ($\pm .188$) TO SHAFT AXIS.
3. STENCIL MIN $1/2$ IN. LETTERS MANUFACTURER'S NUMBER AFTER GALVANIZING.
4. PILOT POINT AND SHAFT AXES TO BE CONCENTRIC (± 125 FIM) AND IN LINE (± 2 DEG).
5. FLAME CUT SLOT PERPENDICULAR TO THE BASEPLATE.
6. PREHEAT, TUMBLEBLAST, HANDGRIND, AND CLEAN BASEPLATE, HELIX, AND PILOT POINT ON ALL WELDED AREAS.
7. FLAMECUT IRREGULARITIES PERMISSIBLE: (1) VALLEYS NOT TO EXCEED $3/8$ IN. BELOW NOMINAL SURFACE LEVEL. (2) PEAKS OR POSITIVE IRREGULARITIES NOT TO EXCEED $1/8$ IN. ABOVE NOMINAL SURFACE LEVEL OR INTERSECTIONS OF NOMINAL SURFACES.
8. MANUFACTURER TO HAVE IN EFFECT INDUSTRY RECOGNIZED WRITTEN QUALITY CONTROL FOR ALL MATERIALS AND MANUFACTURING PROCESSES.
9. ALL MATERIAL IS TO BE NEW, UNUSED AND MILL TRACEABLE MEETING THE FOLLOWING SPECIFICATIONS:

BASEPLATE: ASTM A36-(LATEST REVISION) STRUCTURAL (CONFORM TO AASHTO TECH. BUL. #270)

SHAFT: ASTM A252 (LATEST REVISION) GRADE 2, STEEL PIPE PILES, ALT. MATERIAL: ASTM A53 (LATEST REVISION) TYPE E OR S, GRADE B, STEEL PIPE OR ASTM A500 (LATEST REVISION) GRADE B, STRUCTURAL STEEL TUBING.

HELIX: ASTM A635 (LATEST REVISION) $3/8$ " THICK HOT ROLLED STEEL PLATE OR COIL.

PILOT POINT: ASTM A575 (LATEST REVISION) $1/4$ " DIA. HOT ROLLED STEEL BAR.

BOLTS: 1" DIA. HOT DIP GALVANIZED STUDS IN ACCORDANCE WITH AASHTO M314 OR ASTM F1554.

10. BASEPLATE IS PERMANENTLY STAMPED WITH MANUFACTURER'S IDENTIFICATION "ABC" IN $1/2$ " LETTERS AND DATE CODE IN $1/4$ " LETTERS.

LED SITE LIGHT POLE METAL FOUNDATION DETAIL

N.T.S.

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PLOT SCALE = 28"	DRAWN KWB	REVISED -
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	0105 WRS&HB	COOK	605	200
CONTRACT NO. 60G37				
ILLINOIS FED. AID PROJECT				