

EXISTING OVERHEAD TRUSS PANELS TO REMAIN DURING THIS STAGE

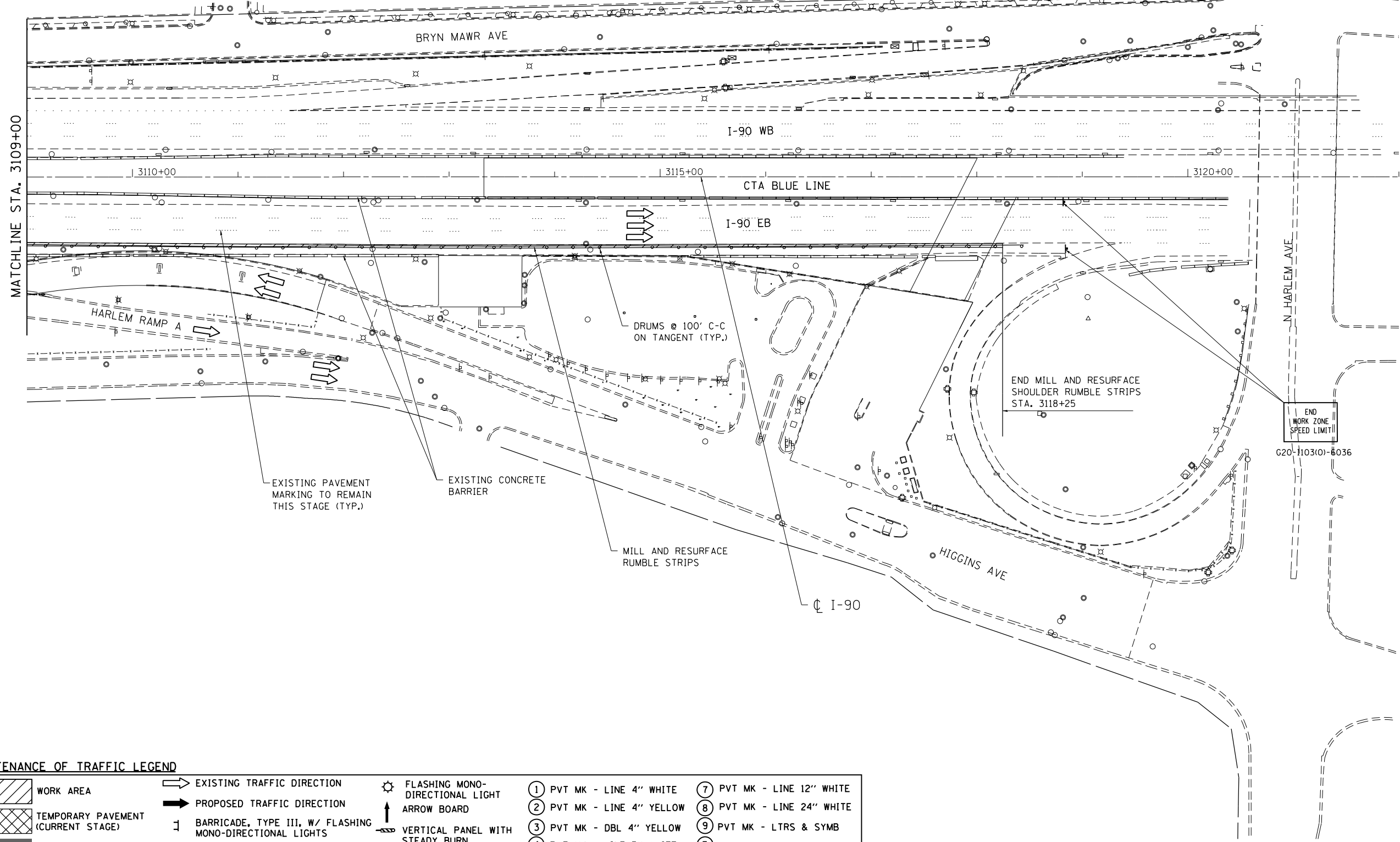
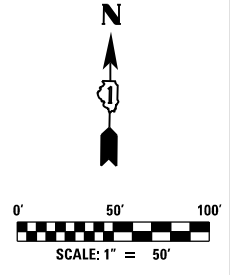
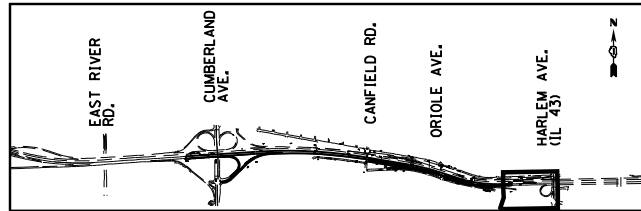
NOTES:

- 1) WORK REQUIRED TO INSTALL TEMPORARY PAVEMENT FOR WIDENING OF RAMP SHALL BE RESTRICTED TO ONE SIDE AT A TIME.
- 2) LOCATIONS WHERE EXCAVATION IS REQUIRED FOR TEMPORARY WIDENING CONSTRUCTION, CONTRACTOR SHALL MAINTAIN THE DIFFERENTIAL GRADE OF LESS THAN 12", WHEN ADJACENT LANE IS OPEN TO TRAFFIC AT ALL TIME DURING CONSTRUCTION. DROP OFF DEPTH GREATER THAN 12" AT THE END OF WORKING HOURS IS NOT ALLOWED DURING THIS STAGE.
- 3) REMOVE EXISTING GORE AND INSTALL TEMPORARY PAVEMENT AT CROSS SLOPE MATCHING HARLEM AVE RAMP A.

MAINTENANCE OF TRAFFIC LEGEND

	WORK AREA		EXISTING TRAFFIC DIRECTION		FLASHING MONO-DIRECTIONAL LIGHT	①	PVT MK - LINE 4" WHITE	⑦	PVT MK - LINE 12" WHITE
	TEMPORARY PAVEMENT (CURRENT STAGE)		PROPOSED TRAFFIC DIRECTION		ARROW BOARD	②	PVT MK - LINE 4" YELLOW	⑧	PVT MK - LINE 24" WHITE
	TEMPORARY PAVEMENT (PREVIOUS STAGES)		BARRICADE, TYPE III, W/ FLASHING MONO-DIRECTIONAL LIGHTS		VERTICAL PANEL WITH STEADY BURN MONO-DIRECTIONAL LIGHT	③	PVT MK - DBL 4" YELLOW	⑨	PVT MK - LTRS & SYMB
	TEMPORARY CONCRETE BARRIER		TYPE II BARRICADE OR DRUM W/ STEADY BURN MONO-DIRECTIONAL LIGHT (SPACING AS NOTED)		TEMPORARY SIGN SUPPORT	④	PVT MK - LINE 5" WHITE	E	EXIST PVT MK
						⑤	PVT MK - LINE 6" WHITE	W	WET REF TEM TAPE T3
						⑥	PVT MK - LINE 8" WHITE	P	PERM PVT MK

USER NAME = mohamma	DESIGNED MM	REVISED -
PLOT SCALE = 1,0000' / 1in.	DRAWN MM	REVISED -
PLOT DATE = 5/3/2016	CHECKED KA	REVISED -
	DATE 5/6/2016	REVISED -



MAINTENANCE OF TRAFFIC LEGEND

	WORK AREA		EXISTING TRAFFIC DIRECTION		FLASHING MONO-DIRECTIONAL LIGHT	①	PVT MK - LINE 4" WHITE	⑦	PVT MK - LINE 12" WHITE
	TEMPORARY PAVEMENT (CURRENT STAGE)		PROPOSED TRAFFIC DIRECTION		ARROW BOARD	②	PVT MK - LINE 4" YELLOW	⑧	PVT MK - LINE 24" WHITE
	TEMPORARY PAVEMENT (PREVIOUS STAGES)		BARRICADE, TYPE III, W/ FLASHING MONO-DIRECTIONAL LIGHTS		VERTICAL PANEL WITH STEADY BURN MONO-DIRECTIONAL LIGHT	③	PVT MK - DBL 4" YELLOW	⑨	PVT MK - LTRS & SYMB
	TEMPORARY CONCRETE BARRIER		TYPE II BARRICADE OR DRUM W/ STEADY BURN MONO-DIRECTIONAL LIGHT (SPACING AS NOTED)		TEMPORARY SIGN SUPPORT	④	PVT MK - LINE 5" WHITE	E	EXIST PVT MK
						⑤	PVT MK - LINE 6" WHITE	W	WET REF TEM TAPE T3
						⑥	PVT MK - LINE 8" WHITE	P	PERM PVT MK

exp U.S. Services Inc.
Chicago, IL
BUILDINGS EARTH & ENVIRONMENT ENERGY
INDUSTRIAL INFRASTRUCTURE SUSTAINABILITY

USER NAME = mohamma	DESIGNED MM	REVISED -
PLOT SCALE = 1:8000' / 1" = 8000'	DRAWN MM	REVISED -
PLOT DATE = 5/3/2016	CHECKED KA	REVISED -
	DATE 5/6/2016	REVISED -

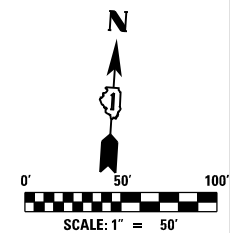
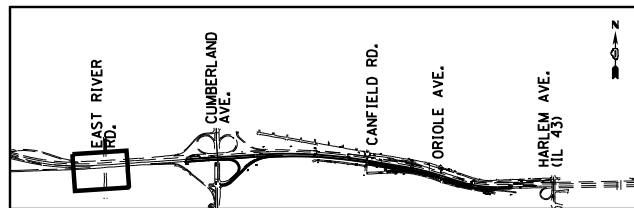
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-90 EASTBOUND FROM CUMBERLAND AVE TO HARLEM AVE
SUGGESTED STAGING AND TRAFFIC CONTROL
PRESTAGE SUB STAGE A**

SCALE: 1" = 50' SHEET NO. 9 OF 9 SHEETS STA. 3109+00 TO STA. 3111+00

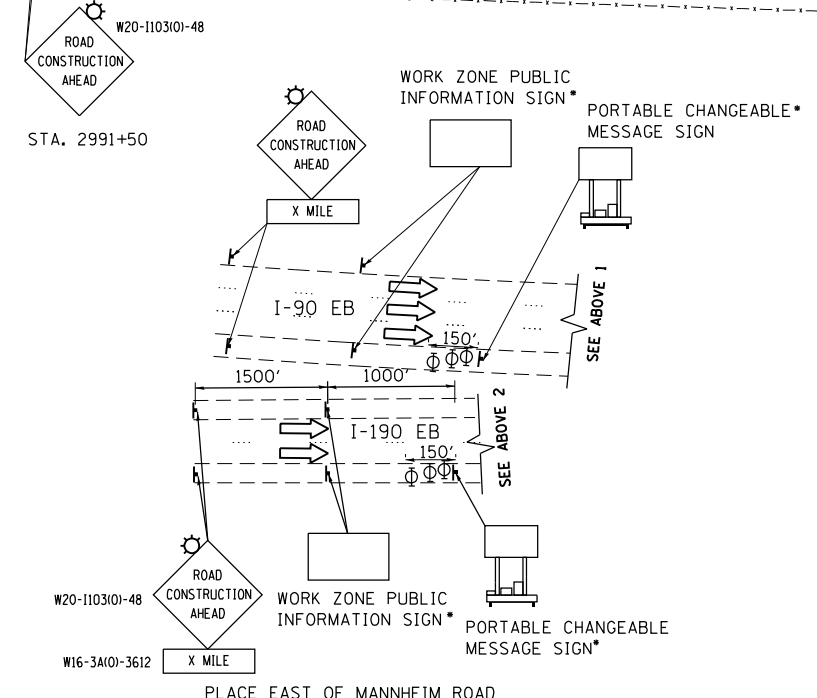
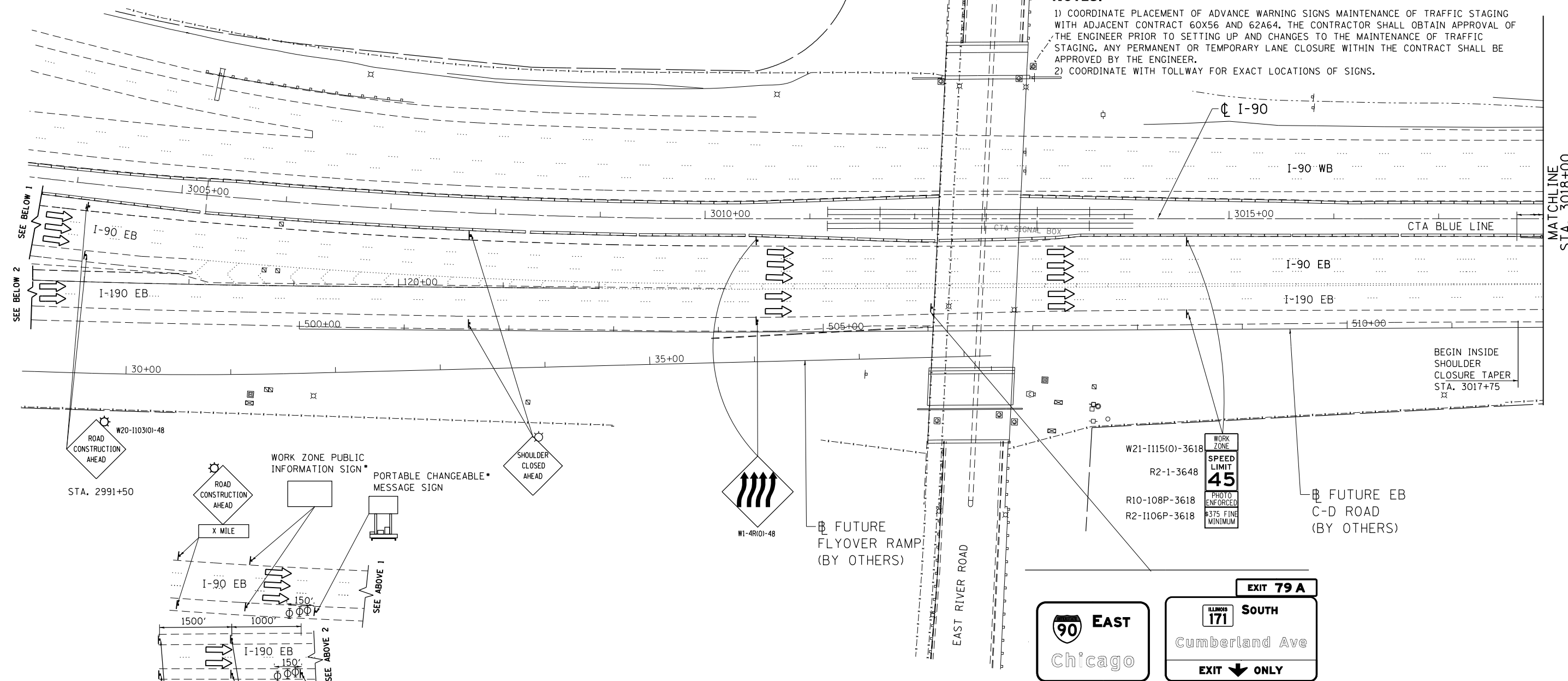
F.A.I. RTE. 90	SECTION (1517 & 1415) R-3	COUNTY COOK	TOTAL SHEETS 557	SHEET NO. 102
				CONTRACT NO. 60Y38
ILLINOIS FED. AID PROJECT				

MOT-PA-9

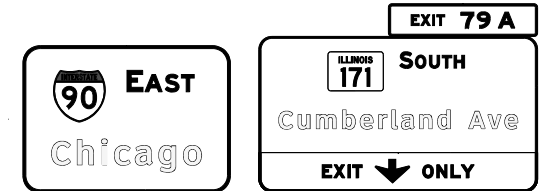


NOTES:

- 1) COORDINATE PLACEMENT OF ADVANCE WARNING SIGNS MAINTENANCE OF TRAFFIC STAGING WITH ADJACENT CONTRACT 60X56 AND 62A64. THE CONTRACTOR SHALL OBTAIN APPROVAL OF THE ENGINEER PRIOR TO SETTING UP AND CHANGES TO THE MAINTENANCE OF TRAFFIC STAGING. ANY PERMANENT OR TEMPORARY LANE CLOSURE WITHIN THE CONTRACT SHALL BE APPROVED BY THE ENGINEER.
- 2) COORDINATE WITH TOLLWAY FOR EXACT LOCATIONS OF SIGNS.



EB I-190 AND I-90 ADVISORY SIGNS
 INSTALLED IN-ADVANCE OF THE WORK AREA
 • CONTRACTOR COORDINATE WITH THE ENGINEER FOR
 PROPER MESSAGE DISPLAYS



EXISTING BRIDGE MOUNT
 SIGN TO REMAIN DURING
 THIS STAGE

MAINTENANCE OF TRAFFIC LEGEND

	WORK AREA		EXISTING TRAFFIC DIRECTION		FLASHING MONO-DIRECTIONAL LIGHT	①	PVT MK - LINE 4" WHITE	⑦	PVT MK - LINE 12" WHITE
	TEMPORARY PAVEMENT (CURRENT STAGE)		PROPOSED TRAFFIC DIRECTION		ARROW BOARD	②	PVT MK - LINE 4" YELLOW	⑧	PVT MK - LINE 24" WHITE
	TEMPORARY PAVEMENT (PREVIOUS STAGES)		BARRICADE, TYPE III, W/ FLASHING MONO-DIRECTIONAL LIGHTS		VERTICAL PANEL WITH STEADY BURN MONO-DIRECTIONAL LIGHT	③	PVT MK - DBL 4" YELLOW	⑨	PVT MK - LTRS & SYMB
	TEMPORARY CONCRETE BARRIER		TYPE II BARRICADE OR DRUM W/ STEADY BURN MONO-DIRECTIONAL LIGHT (SPACING AS NOTED)		TEMPORARY SIGN SUPPORT	④	PVT MK - LINE 5" WHITE	Ⓔ	EXIST PVT MK
						⑤	PVT MK - LINE 6" WHITE	Ⓜ	WET REF TEM TAPE T3
						⑥	PVT MK - LINE 8" WHITE	Ⓟ	PERM PVT MK

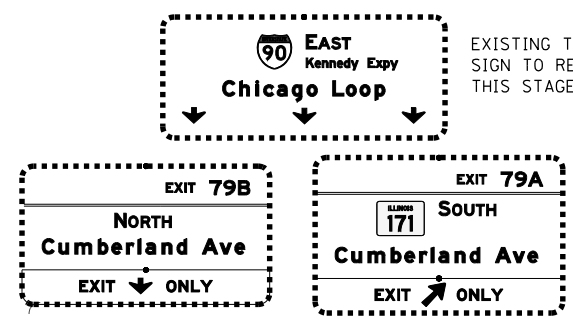
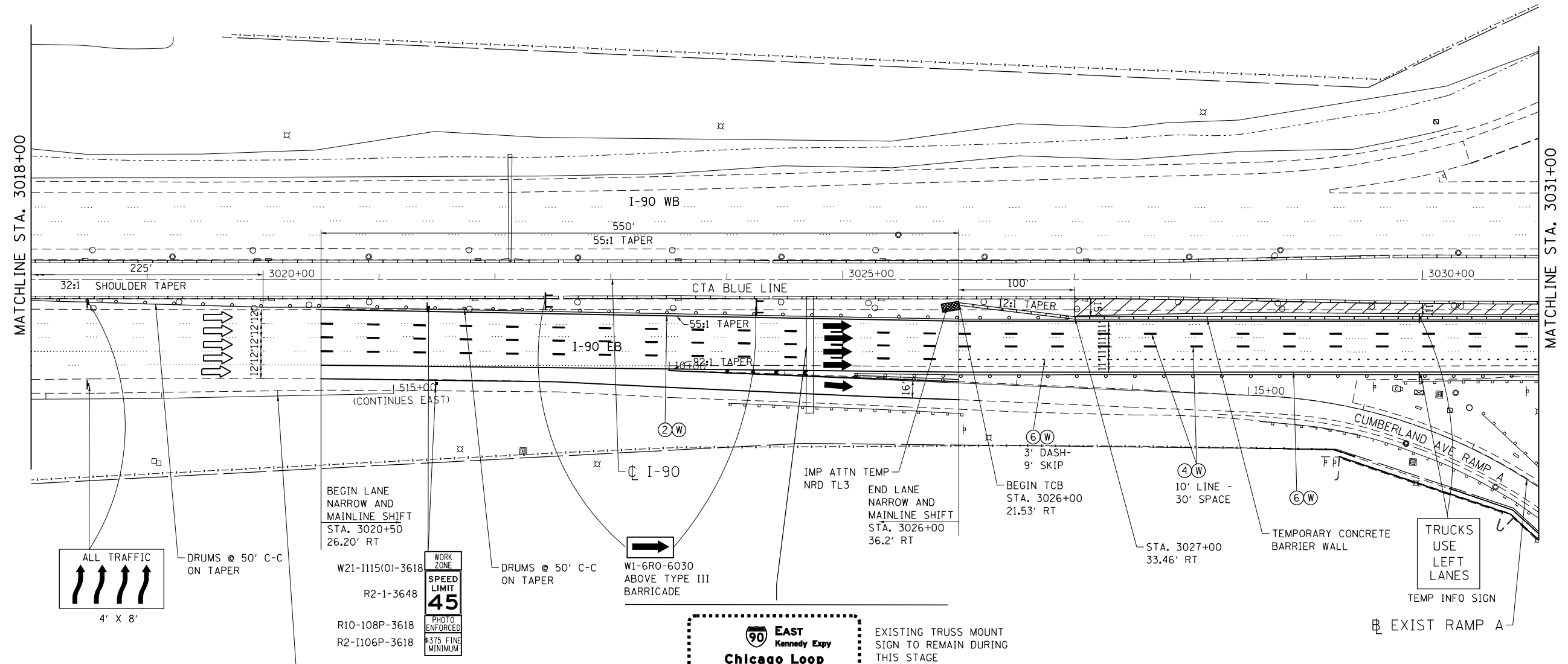
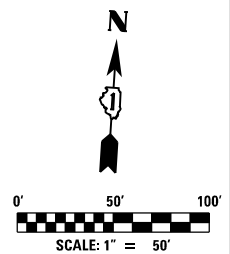
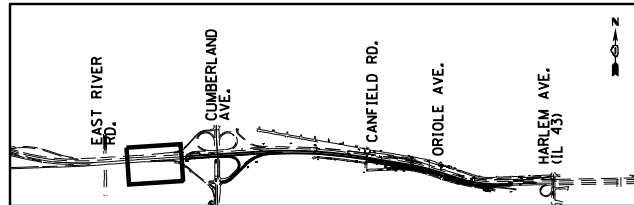
MOT-PB-1

exp U.S. Services Inc. Chicago, IL BUILDINGS EARTH & ENVIRONMENT ENERGY INDUSTRIAL INFRASTRUCTURE SUSTAINABILITY	USER NAME = mohamma	DESIGNED MM	REVISED -
	PLOT SCALE = 1,000' / 1"	DRAWN MM	REVISED -
	PLOT DATE = 5/3/2016	CHECKED KA	REVISED -
		DATE 5/6/2016	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**I-90 EASTBOUND FROM CUMBERLAND AVE TO HARLEM AVE
 SUGGESTED STAGING AND TRAFFIC CONTROL
 PRESTAGE SUB STAGE B**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	(1517 & 1415) R-3	COOK	557	103
CONTRACT NO. 60Y38				



- NOTES:**
- COORDINATE PLACEMENT OF ADVANCE WARNING SIGNS, STAGING AND TRAFFIC CONTROL WITH ADJACENT CONTRACT 60X56 AND 62A64.
 - CONTRACTOR IS ALERTED TO THE NARROW WORK ZONE BEHIND TEMPORARY CONCRETE BARRIER WALL ALONG SEVERAL LOCATIONS OF INSIDE SHOULDER RECONSTRUCTION.

MAINTENANCE OF TRAFFIC LEGEND

WORK AREA	EXISTING TRAFFIC DIRECTION	FLASHING MONO-DIRECTIONAL LIGHT	① PVT MK - LINE 4" WHITE	⑦ PVT MK - LINE 12" WHITE
TEMPORARY PAVEMENT (CURRENT STAGE)	PROPOSED TRAFFIC DIRECTION	ARROW BOARD	② PVT MK - LINE 4" YELLOW	⑧ PVT MK - LINE 24" WHITE
TEMPORARY PAVEMENT (PREVIOUS STAGES)	BARRICADE, TYPE III, W/ FLASHING MONO-DIRECTIONAL LIGHTS	VERTICAL PANEL WITH STEADY BURN MONO-DIRECTIONAL LIGHT	③ PVT MK - DBL 4" YELLOW	⑨ PVT MK - LTRS & SYMB
TEMPORARY CONCRETE BARRIER	TYPE II BARRICADE OR DRUM W/ STEADY BURN MONO-DIRECTIONAL LIGHT (SPACING AS NOTED)	TEMPORARY SIGN SUPPORT	④ PVT MK - LINE 5" WHITE	Ⓔ EXIST PVT MK
			⑤ PVT MK - LINE 6" WHITE	Ⓜ WET REF TEM TAPE T3
			⑥ PVT MK - LINE 8" WHITE	Ⓟ PERM PVT MK

exp U.S. Services Inc.
Chicago, IL
BUILDINGS EARTH & ENVIRONMENT ENERGY
INDUSTRIAL INFRASTRUCTURE SUSTAINABILITY

USER NAME = mohamma	DESIGNED MM	REVISED -
PLOT SCALE = 1,0000' / 1in.	DRAWN MM	REVISED -
PLOT DATE = 5/3/2016	CHECKED KA	REVISED -
	DATE 5/6/2016	REVISED -

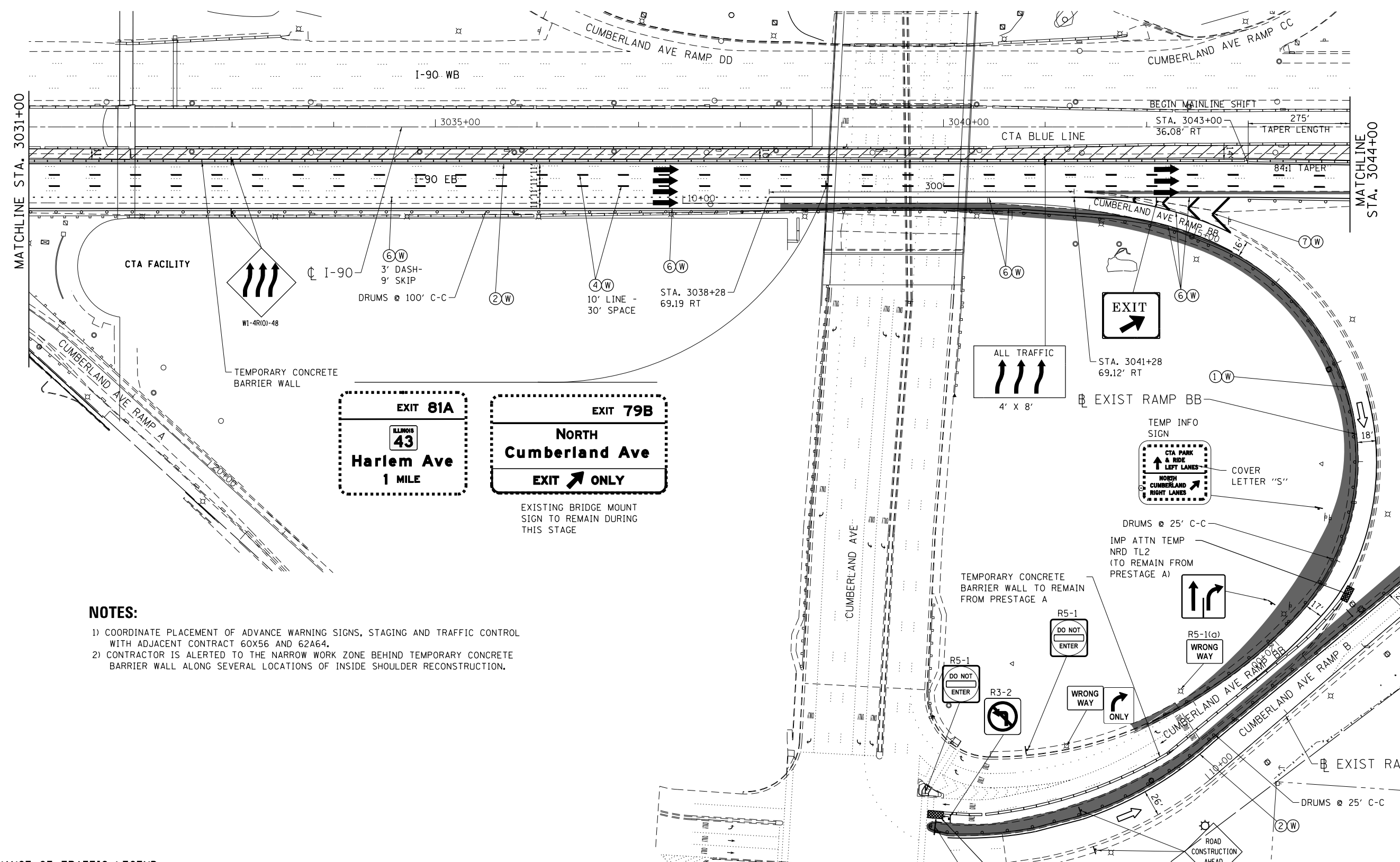
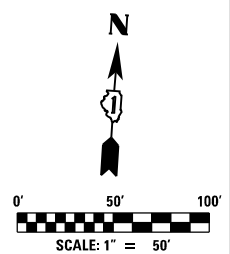
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-90 EASTBOUND FROM CUMBERLAND AVE TO HARLEM AVE
SUGGESTED STAGING AND TRAFFIC CONTROL
PRESTAGE SUB STAGE B**

SCALE: 1" = 50' SHEET NO. 2 OF 9 SHEETS STA. 3005+00 TO STA. 3031+00

F.A.I. RTE. 90	SECTION (1517 & 1415) R-3	COUNTY COOK	TOTAL SHEETS 557	SHEET NO. 104
				CONTRACT NO. 60Y38
ILLINOIS FED. AID PROJECT				

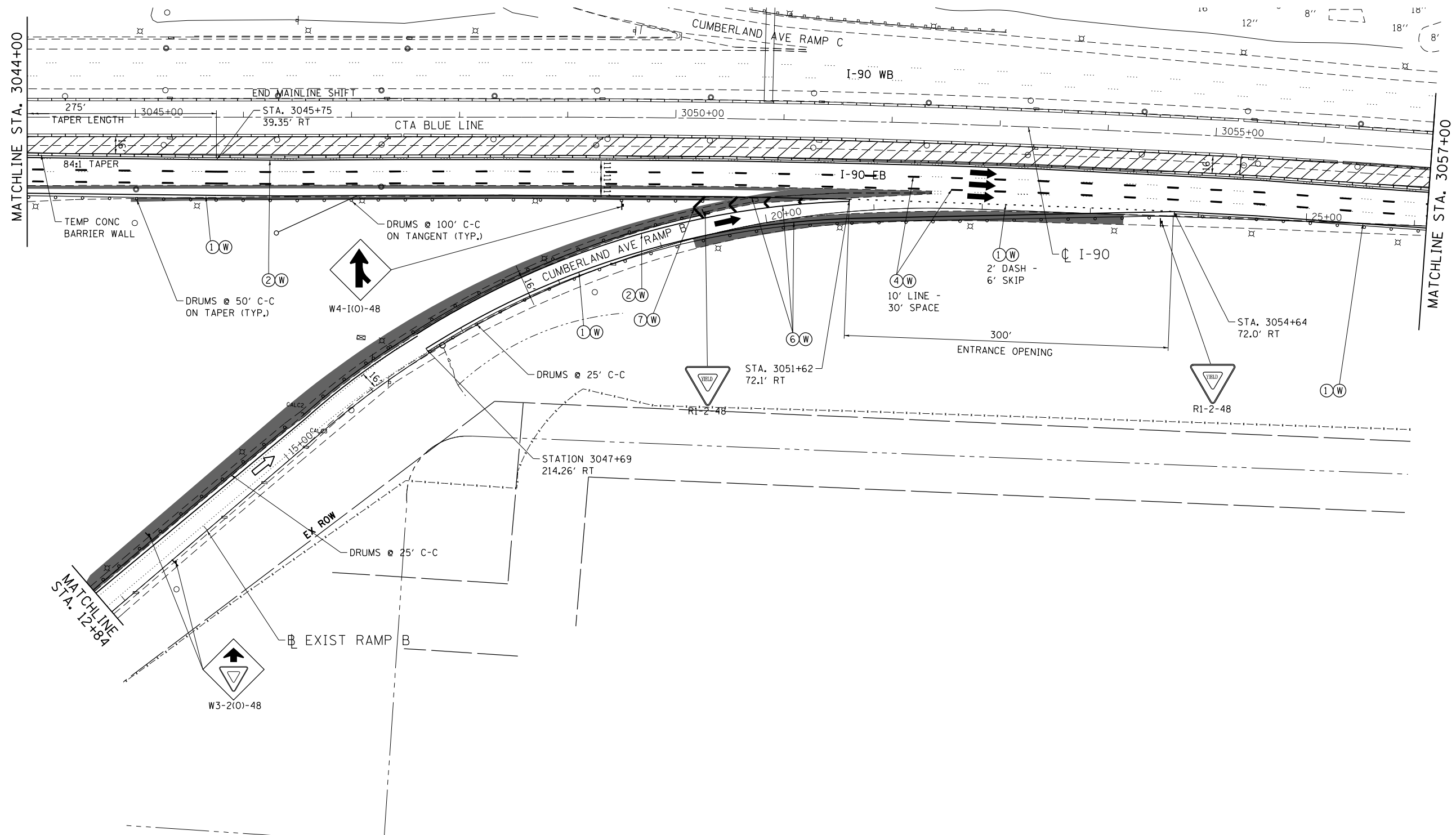
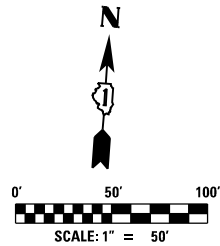
MOT-PB-2



- NOTES:**
- COORDINATE PLACEMENT OF ADVANCE WARNING SIGNS, STAGING AND TRAFFIC CONTROL WITH ADJACENT CONTRACT 60X56 AND 62A64.
 - CONTRACTOR IS ALERTED TO THE NARROW WORK ZONE BEHIND TEMPORARY CONCRETE BARRIER WALL ALONG SEVERAL LOCATIONS OF INSIDE SHOULDER RECONSTRUCTION.

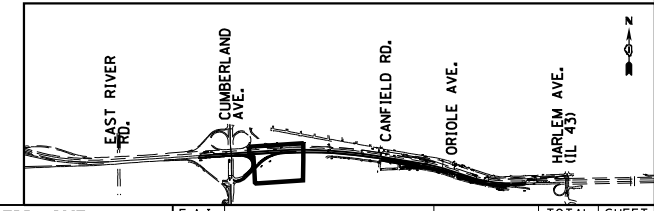
MAINTENANCE OF TRAFFIC LEGEND		MARKERS	
	WORK AREA	①	PVT MK - LINE 4" WHITE
	EXISTING TRAFFIC DIRECTION	②	PVT MK - LINE 4" YELLOW
	TEMPORARY PAVEMENT (CURRENT STAGE)	③	PVT MK - DBL 4" YELLOW
	TEMPORARY PAVEMENT (PREVIOUS STAGES)	④	PVT MK - LINE 5" WHITE
	TEMPORARY CONCRETE BARRIER	⑤	PVT MK - LINE 6" WHITE
	PROPOSED TRAFFIC DIRECTION	⑥	PVT MK - LINE 8" WHITE
	BARRICADE, TYPE III, W/ FLASHING MONO-DIRECTIONAL LIGHTS	⑦	PVT MK - LINE 12" WHITE
	VERTICAL PANEL WITH STEADY BURN MONO-DIRECTIONAL LIGHT	⑧	PVT MK - LINE 24" WHITE
	TYPE II BARRICADE OR DRUM W/ STEADY BURN MONO-DIRECTIONAL LIGHT (SPACING AS NOTED)	⑨	PVT MK - LTRS & SYMB
	FLASHING MONO-DIRECTIONAL LIGHT ARROW BOARD	E	EXIST PVT MK
	TEMPORARY SIGN SUPPORT	W	WET REF TEM TAPE T3
		P	PERM PVT MK

exp U.S. Services Inc. CHICAGO, IL BUILDINGS, EARTH & ENVIRONMENT ENERGY INDUSTRIAL INFRASTRUCTURE SUSTAINABILITY	USER NAME = mohamma	DESIGNED MM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-90 EASTBOUND FROM CUMBERLAND AVE TO HARLEM AVE SUGGESTED STAGING AND TRAFFIC CONTROL PRESTAGE SUB STAGE B		F.A.I. RTE. 90	SECTION (1517 & 1415) R-3	COUNTY COOK	TOTAL SHEETS 557	SHEET NO. 105
	PLOT SCALE = 1:8000 / 1/8"	CHECKED KA	REVISIED -		SCALE: 1" = 50'	SHEET NO. 3 OF 9 SHEETS	STA. 3032+00 TO STA. 3057+00	CONTRACT NO. 60Y38 ILLINOIS FED. AID PROJECT			
FILE NAME = D160Y38-shs-staging @PB-03.dgn	PLOT DATE = 5/3/2016	DATE 5/6/2016	REVISIED -								



MAINTENANCE OF TRAFFIC LEGEND

	WORK AREA		EXISTING TRAFFIC DIRECTION		FLASHING MONO-DIRECTIONAL LIGHT	①	PVT MK - LINE 4" WHITE	⑦	PVT MK - LINE 12" WHITE
	TEMPORARY PAVEMENT (CURRENT STAGE)		PROPOSED TRAFFIC DIRECTION		ARROW BOARD	②	PVT MK - LINE 4" YELLOW	⑧	PVT MK - LINE 24" WHITE
	TEMPORARY PAVEMENT (PREVIOUS STAGES)		BARRICADE, TYPE III, W/ FLASHING MONO-DIRECTIONAL LIGHTS		VERTICAL PANEL WITH STEADY BURN MONO-DIRECTIONAL LIGHT	③	PVT MK - DBL 4" YELLOW	⑨	PVT MK - LTRS & SYMB
	TEMPORARY CONCRETE BARRIER		TYPE II BARRICADE OR DRUM W/ STEADY BURN MONO-DIRECTIONAL LIGHT (SPACING AS NOTED)		TEMPORARY SIGN SUPPORT	④	PVT MK - LINE 5" WHITE	E	EXIST PVT MK
						⑤	PVT MK - LINE 6" WHITE	W	WET REF TEM TAPE T3
						⑥	PVT MK - LINE 8" WHITE	P	PERM PVT MK



MOT-PB-4

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Chicago, IL
BUILDINGS EARTH & ENVIRONMENT ENERGY
INDUSTRIAL INFRASTRUCTURE SUSTAINABILITY

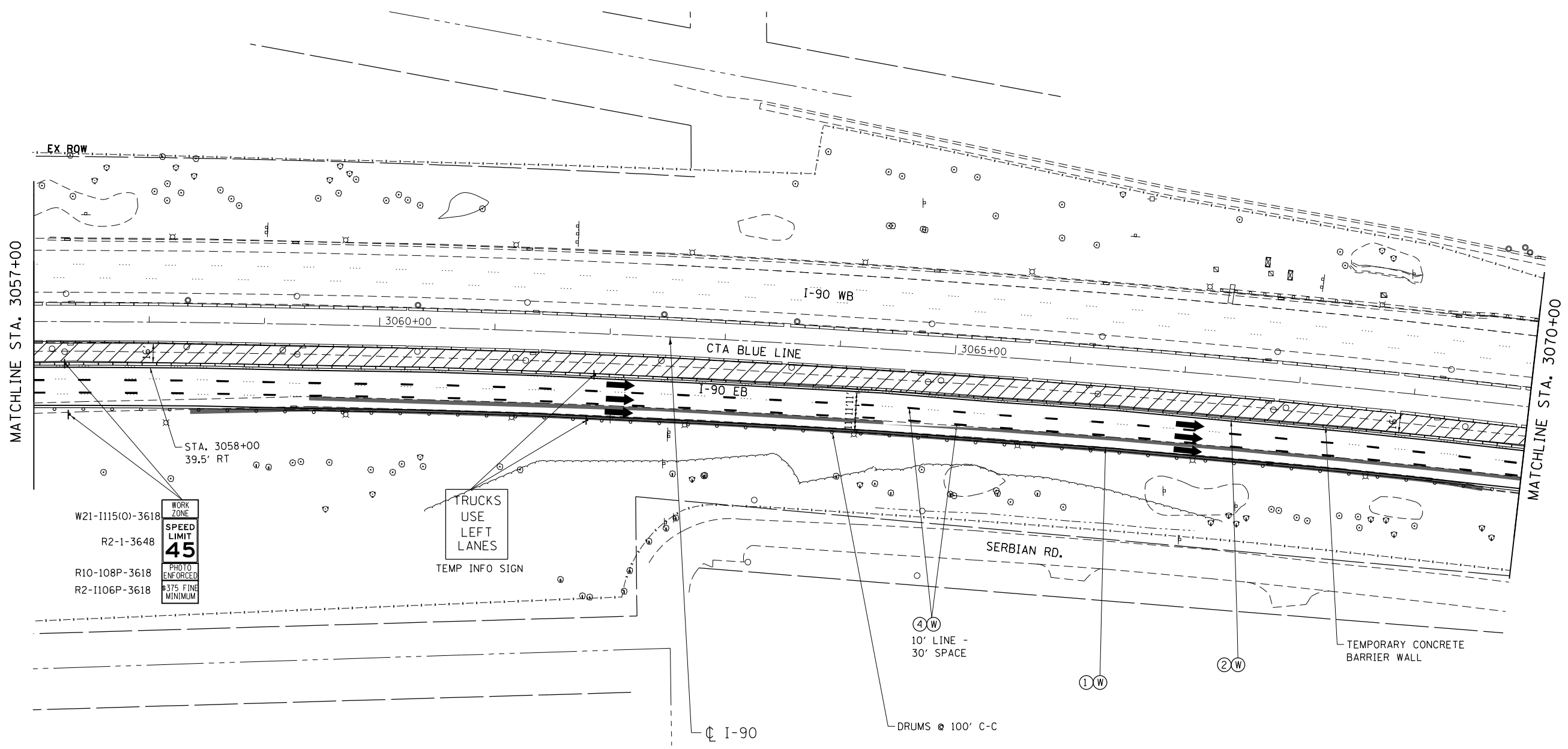
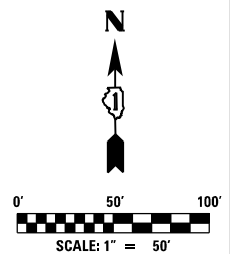
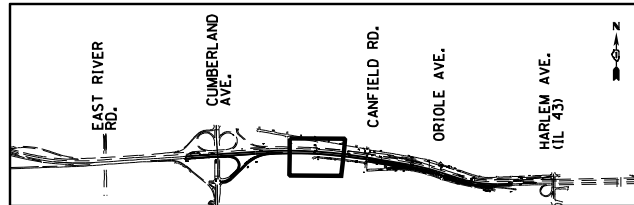
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PLOT SCALE = 1,0000' / 1"	DRAWN MM	REVISED -
PLOT DATE = 5/3/2016	CHECKED KA	REVISED -
	DATE 5/6/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-90 EASTBOUND FROM CUMBERLAND AVE TO HARLEM AVE
SUGGESTED STAGING AND TRAFFIC CONTROL
PRESTAGE SUB STAGE B**

SCALE: 1" = 50' SHEET NO. 4 OF 9 SHEETS STA. 3032+00 TO STA. 3057+00

F.A.I. RTE. 90	SECTION (1517 & 1415) R-3	COUNTY COOK	TOTAL SHEETS 557	SHEET NO. 106
CONTRACT NO. 60Y38			ILLINOIS FED. AID PROJECT	



MAINTENANCE OF TRAFFIC LEGEND

	WORK AREA		EXISTING TRAFFIC DIRECTION		FLASHING MONO-DIRECTIONAL LIGHT ARROW BOARD	①	PVT MK - LINE 4" WHITE	⑦	PVT MK - LINE 12" WHITE
	TEMPORARY PAVEMENT (CURRENT STAGE)		PROPOSED TRAFFIC DIRECTION		VERTICAL PANEL WITH STEADY BURN MONO-DIRECTIONAL LIGHT	②	PVT MK - LINE 4" YELLOW	⑧	PVT MK - LINE 24" WHITE
	TEMPORARY PAVEMENT (PREVIOUS STAGES)		BARRICADE, TYPE III, W/ FLASHING MONO-DIRECTIONAL LIGHTS		TYPE II BARRICADE OR DRUM W/ STEADY BURN MONO-DIRECTIONAL LIGHT (SPACING AS NOTED)	③	PVT MK - DBL 4" YELLOW	⑨	PVT MK - LTRS & SYMB
	TEMPORARY CONCRETE BARRIER		TYPE I BARRICADE OR DRUM W/ STEADY BURN MONO-DIRECTIONAL LIGHT (SPACING AS NOTED)		TEMPORARY SIGN SUPPORT	④	PVT MK - LINE 5" WHITE	E	EXIST PVT MK
						⑤	PVT MK - LINE 6" WHITE	W	WET REF TEM TAPE T3
						⑥	PVT MK - LINE 8" WHITE	P	PERM PVT MK

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Chicago, IL
BUILDINGS, EARTH & ENVIRONMENT ENERGY
INDUSTRIAL INFRASTRUCTURE SUSTAINABILITY

USER NAME = mohamma	DESIGNED MM	REVISED -
PLOT SCALE = 1,000' / 1"	DRAWN MM	REVISED -
PLOT DATE = 5/3/2016	CHECKED KA	REVISED -
	DATE 5/6/2016	REVISED -

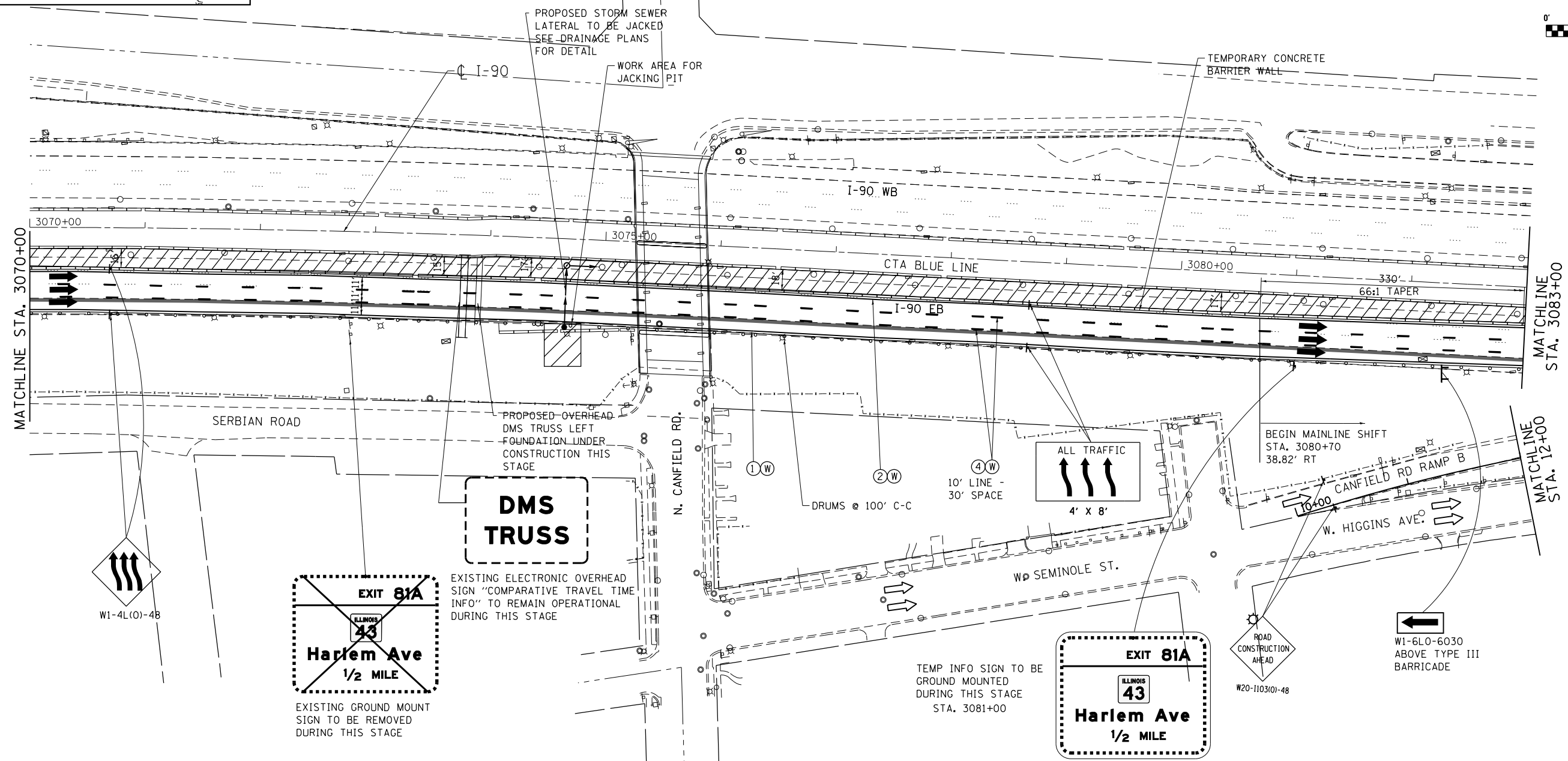
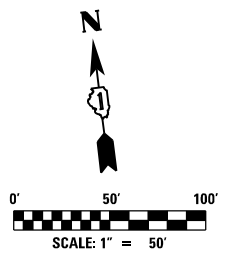
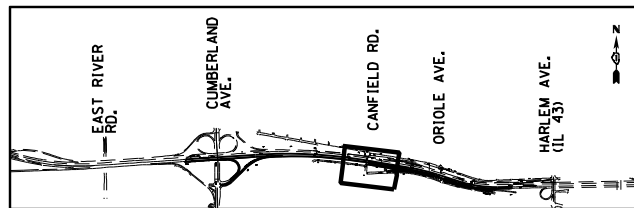
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-90 EASTBOUND FROM CUMBERLAND AVE TO HARLEM AVE
SUGGESTED STAGING AND TRAFFIC CONTROL
PRESTAGE SUB STAGE B**

SCALE: 1" = 50' SHEET NO. 5 OF 9 SHEETS STA. 3057+00 TO STA. 3083+00

F.A.I. RTE. 90	SECTION (1517 & 1415) R-3	COUNTY COOK	TOTAL SHEETS 557	SHEET NO. 107
				CONTRACT NO. 60Y38
ILLINOIS FED. AID PROJECT				

MOT-PB-5



MAINTENANCE OF TRAFFIC LEGEND

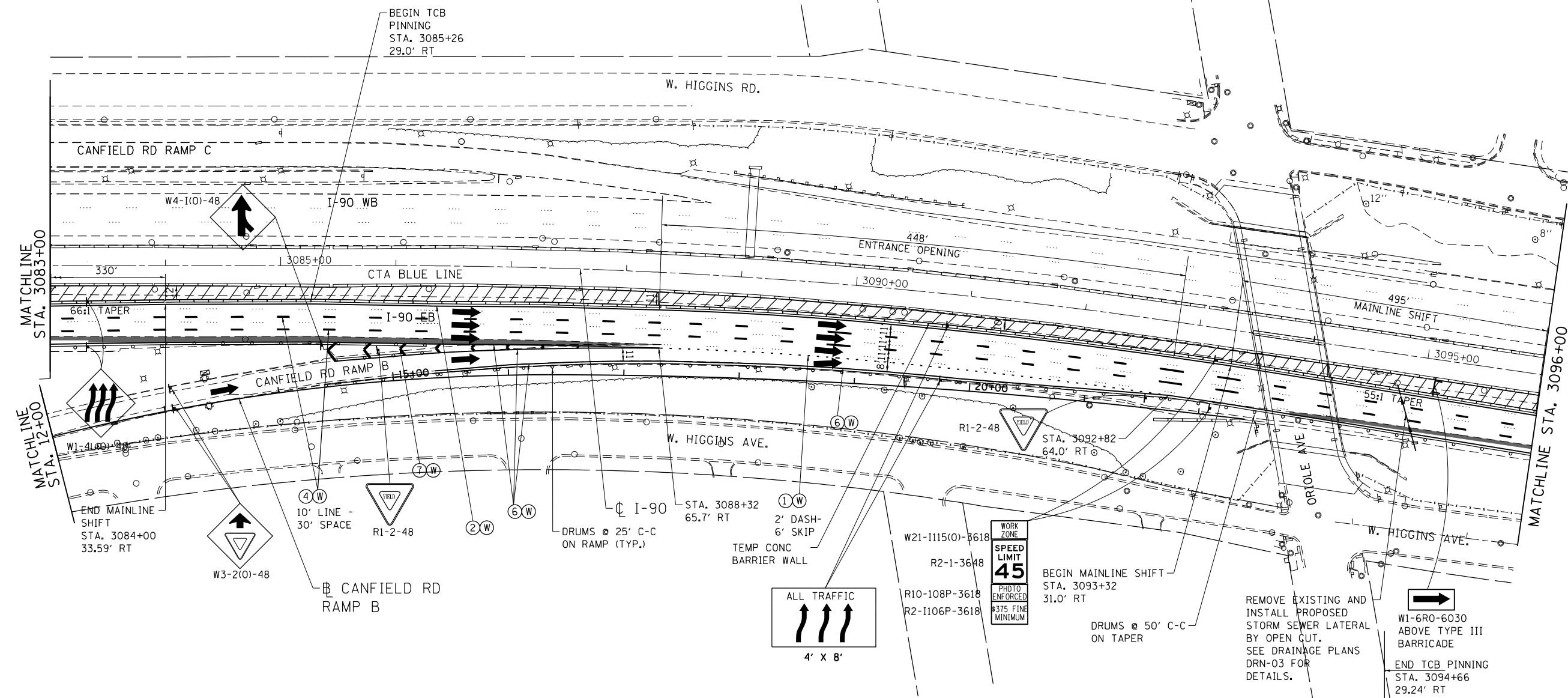
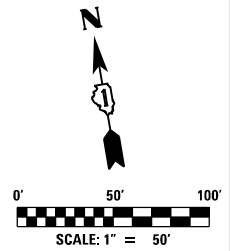
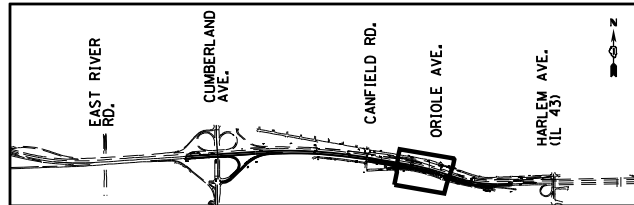
	WORK AREA		EXISTING TRAFFIC DIRECTION		FLASHING MONO-DIRECTIONAL LIGHT	①	PVT MK - LINE 4" WHITE	⑦	PVT MK - LINE 12" WHITE
	TEMPORARY PAVEMENT (CURRENT STAGE)		PROPOSED TRAFFIC DIRECTION		ARROW BOARD	②	PVT MK - LINE 4" YELLOW	⑧	PVT MK - LINE 24" WHITE
	TEMPORARY PAVEMENT (PREVIOUS STAGES)		BARRICADE, TYPE III, W/ FLASHING MONO-DIRECTIONAL LIGHTS		VERTICAL PANEL WITH STEADY BURN MONO-DIRECTIONAL LIGHT	③	PVT MK - DBL 4" YELLOW	⑨	PVT MK - LTRS & SYMB
	TEMPORARY CONCRETE BARRIER		TYPE II BARRICADE OR DRUM W/ STEADY BURN MONO-DIRECTIONAL LIGHT (SPACING AS NOTED)		TEMPORARY SIGN SUPPORT	④	PVT MK - LINE 5" WHITE	E	EXIST PVT MK
						⑤	PVT MK - LINE 6" WHITE	W	WET REF TEM TAPE T3
						⑥	PVT MK - LINE 8" WHITE	P	PERM PVT MK

NOTES:

- 1) MAINTAIN CANFIELD AVE ENTRANCE RAMP OPEN TO TRAFFIC DURING THIS STAGE AS SHOWN ON THE PLANS.
- 2) BEGIN JACKING STORM SEWER LATERAL AT STA. 3074+67. MAINTAIN EXISTING CONCRETE BARRIER ALONG OUTSIDE SHOULDER AT JACKING LOCATION ALL TIMES DURING THIS STAGE.
- 3) CONTRACTOR IS ALERTED TO THE NARROW WORK ZONE BEHIND TEMPORARY CONCRETE BARRIER WALL ALONG SEVERAL LOCATIONS OF INSIDE SHOULDER RECONSTRUCTION.

USER NAME = mohamma	DESIGNED MM	REVISED -
PLOT SCALE = 1,0000' / 1" =	DRAWN MM	REVISED -
PLOT DATE = 5/3/2016	CHECKED KA	REVISED -
	DATE 5/6/2016	REVISED -

F.A.I. RTE. 90	SECTION (1517 & 1415) R-3	COUNTY COOK	TOTAL SHEETS 557	SHEET NO. 108
				CONTRACT NO. 60Y38
ILLINOIS FED. AID PROJECT				



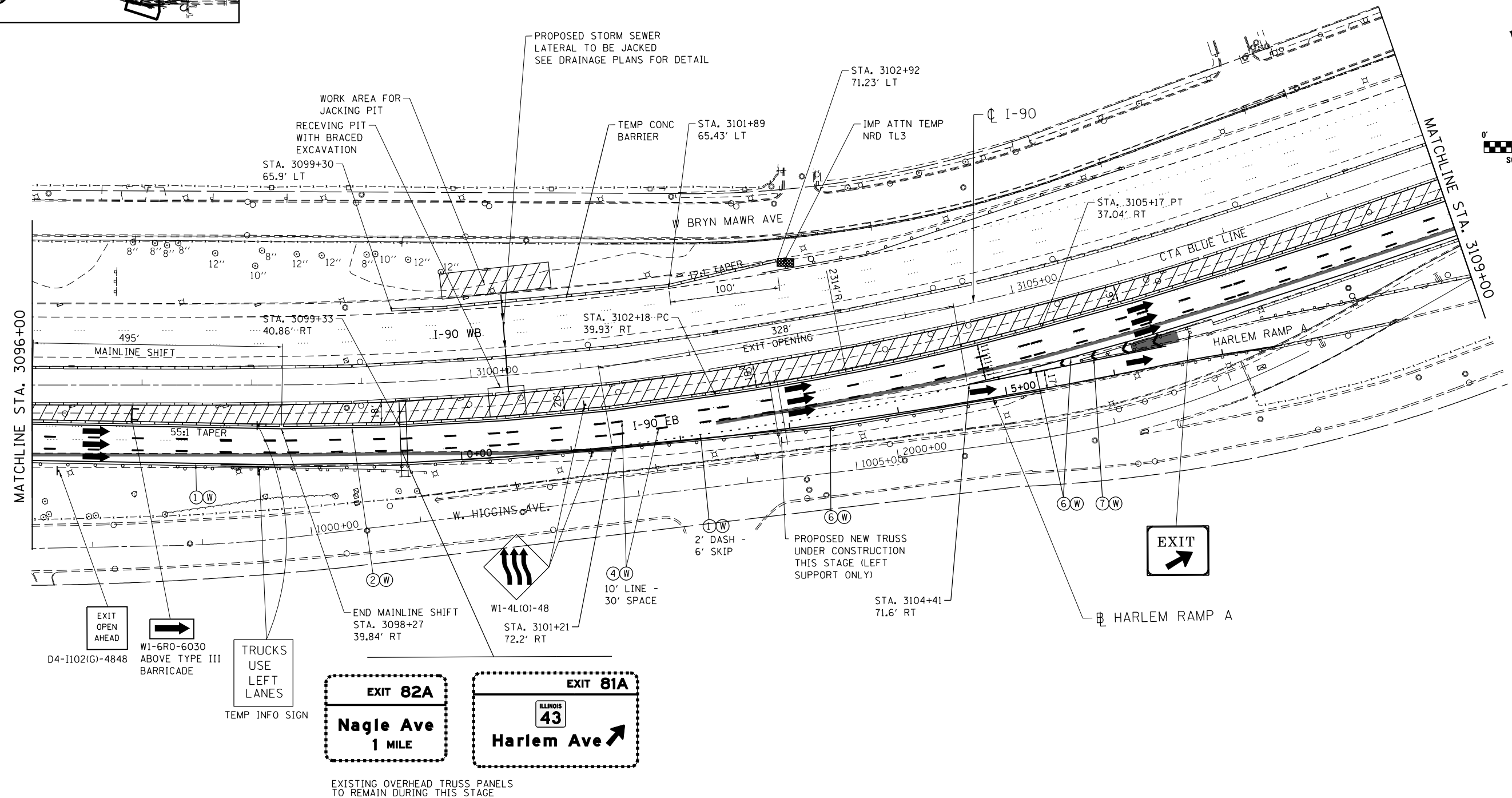
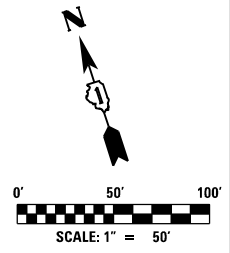
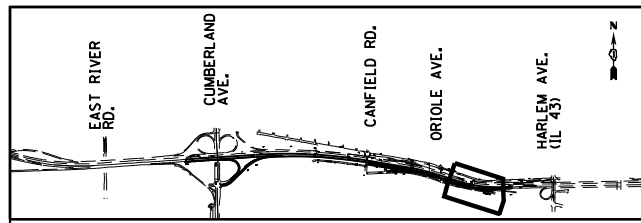
- NOTES:**
- 1) MAINTAIN CANFIELD AVE ENTRANCE RAMP OPEN TO TRAFFIC DURING THIS STAGE AS SHOWN ON THE PLANS.
 - 2) PIN THE TEMPORARY CONCRETE BARRIER WALL TO THE PAVEMENT FROM STA. 3085+26 TO STA. 3094+66
 - 3) CONTRACTOR IS ALERTED TO THE NARROW WORK ZONE BEHIND TEMPORARY CONCRETE BARRIER WALL ALONG SEVERAL LOCATIONS OF INSIDE SHOULDER RECONSTRUCTION.

MAINTENANCE OF TRAFFIC LEGEND

	WORK AREA		EXISTING TRAFFIC DIRECTION		FLASHING MONO-DIRECTIONAL LIGHT		PVT MK - LINE 4" WHITE		PVT MK - LINE 12" WHITE
	TEMPORARY PAVEMENT (CURRENT STAGE)		PROPOSED TRAFFIC DIRECTION		ARROW BOARD		PVT MK - LINE 4" YELLOW		PVT MK - LINE 24" WHITE
	TEMPORARY PAVEMENT (PREVIOUS STAGES)		BARRICADE, TYPE III, W/ FLASHING MONO-DIRECTIONAL LIGHTS		VERTICAL PANEL WITH STEADY BURN MONO-DIRECTIONAL LIGHT		PVT MK - DBL 4" YELLOW		PVT MK - LTRS & SYMB
	TEMPORARY CONCRETE BARRIER		TYPE II BARRICADE OR DRUM W/ STEADY BURN MONO-DIRECTIONAL LIGHT (SPACING AS NOTED)		TEMPORARY SIGN SUPPORT		PVT MK - LINE 5" WHITE		EXIST PVT MK
							PVT MK - LINE 6" WHITE		WET REF TEM TAPE T3
							PVT MK - LINE 8" WHITE		PERM PVT MK

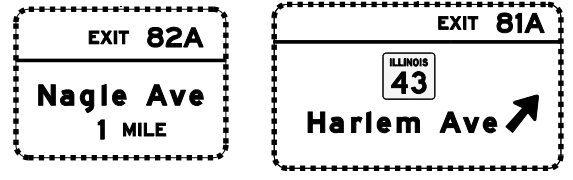
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PLOT SCALE = 1,0000' / 1"	DRAWN MM	REVISED -
PLOT DATE = 5/3/2016	CHECKED KA	REVISED -
	DATE 5/6/2016	REVISED -

F.A.I. RTE. 90	SECTION (1517 & 1415) R-3	COUNTY COOK	TOTAL SHEETS 557	SHEET NO. 109
SCALE: 1" = 50'				SHEET NO. 7 OF 9 SHEETS
STA. 3083+00 TO STA. 3109+00				ILLINOIS FED. AID PROJECT



MAINTENANCE OF TRAFFIC LEGEND

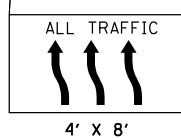
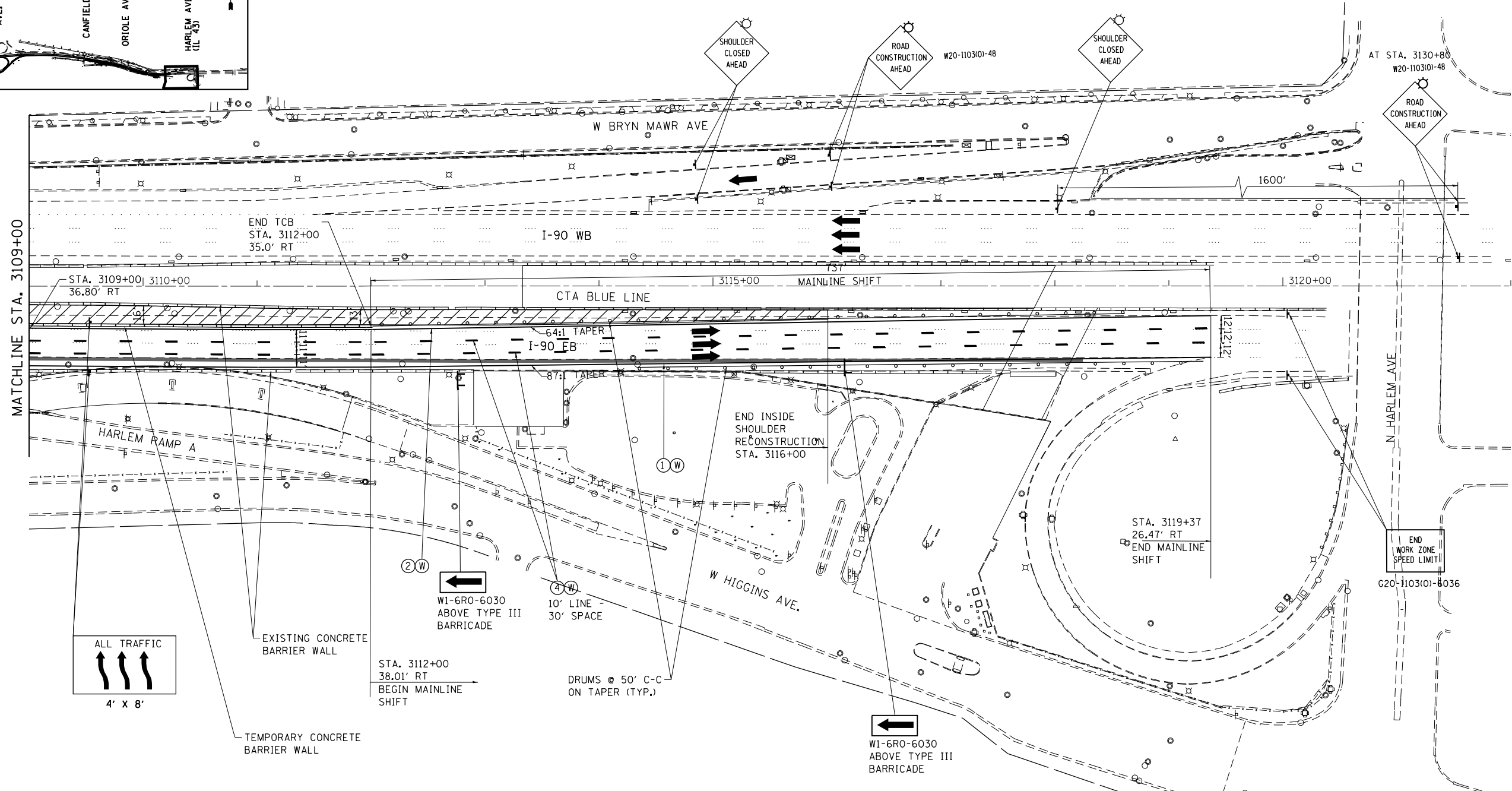
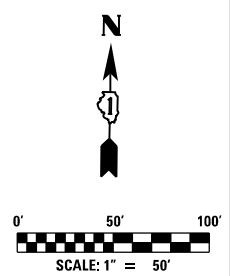
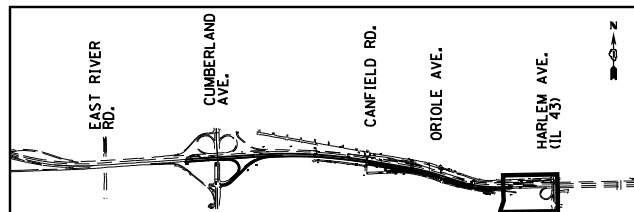
	WORK AREA		EXISTING TRAFFIC DIRECTION		FLASHING MONO-DIRECTIONAL LIGHT	①	PVT MK - LINE 4" WHITE	⑦	PVT MK - LINE 12" WHITE
	TEMPORARY PAVEMENT (CURRENT STAGE)		PROPOSED TRAFFIC DIRECTION		ARROW BOARD	②	PVT MK - LINE 4" YELLOW	⑧	PVT MK - LINE 24" WHITE
	TEMPORARY PAVEMENT (PREVIOUS STAGES)		BARRICADE, TYPE III, W/ FLASHING MONO-DIRECTIONAL LIGHTS		VERTICAL PANEL WITH STEADY BURN MONO-DIRECTIONAL LIGHT	③	PVT MK - DBL 4" YELLOW	⑨	PVT MK - LTRS & SYMB
	TEMPORARY CONCRETE BARRIER		TYPE II BARRICADE OR DRUM W/ STEADY BURN MONO-DIRECTIONAL LIGHT (SPACING AS NOTED)		TEMPORARY SIGN SUPPORT	④	PVT MK - LINE 5" WHITE	E	EXIST PVT MK
						⑤	PVT MK - LINE 6" WHITE	W	WET REF TEM TAPE T3
						⑥	PVT MK - LINE 8" WHITE	P	PERM PVT MK



EXISTING OVERHEAD TRUSS PANELS TO REMAIN DURING THIS STAGE

USER NAME = mohamma	DESIGNED MM	REVISED -
PLOT SCALE = 1,000' / 1"	DRAWN MM	REVISED -
PLOT DATE = 5/3/2016	CHECKED KA	REVISED -
	DATE 5/6/2016	REVISED -

F.A.I. RTE. 90	SECTION (1517 & 1415) R-3	COUNTY COOK	TOTAL SHEETS 557	SHEET NO. 110
				CONTRACT NO. 60Y38
ILLINOIS FED. AID PROJECT				



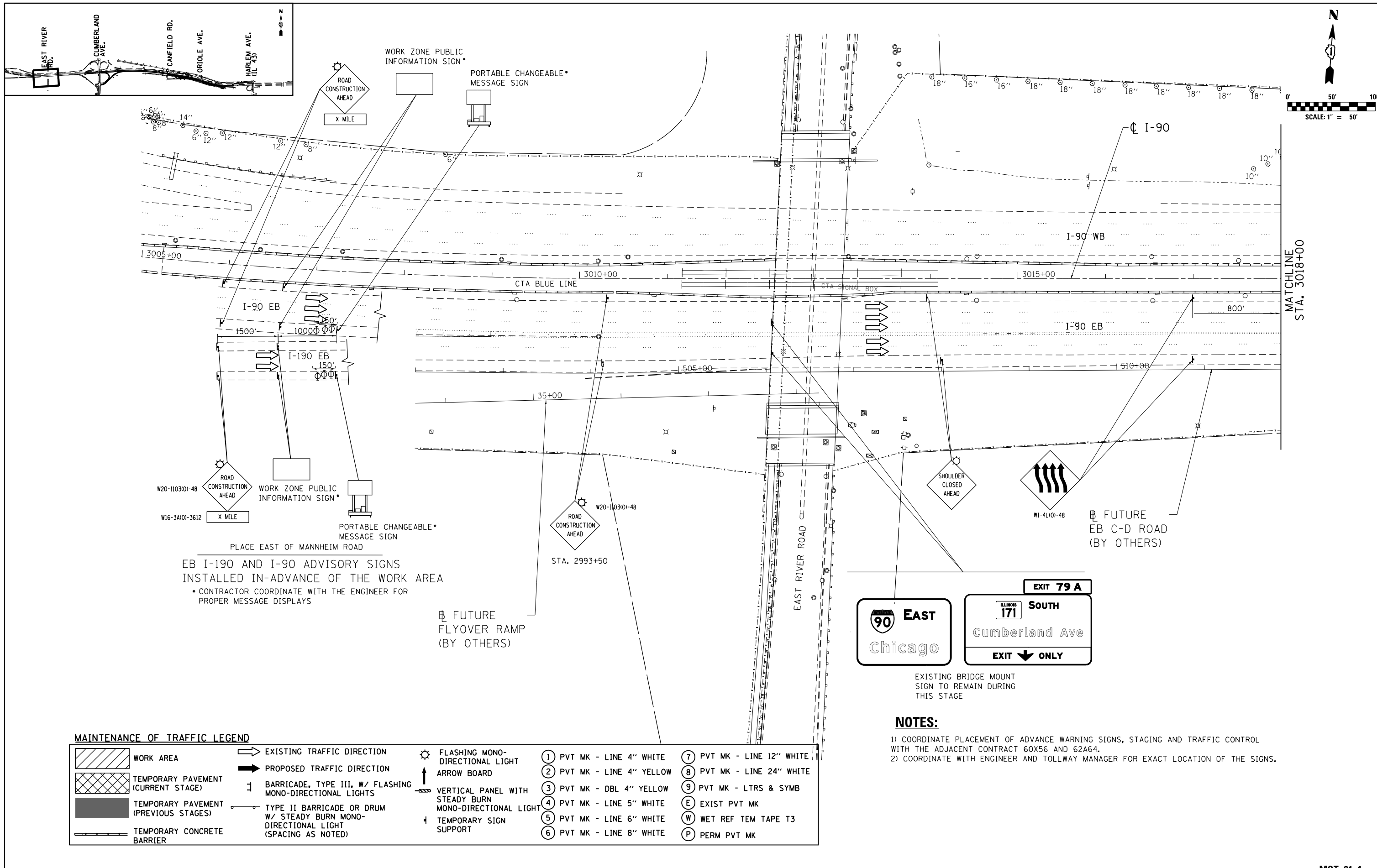
NOTES:

- 1) CONSTRUCT EB INSIDE SHOULDER NOT PROTECTED BY TEMPORARY BARRIER WALL BY BETWEEN STA. 3112+00 TO STA. 3116+00 UTILIZING THE TEMPORARY OFF PEAK LANE CLOSURE DURING THE ALLOWABLE HOURS SPECIFIED IN SPECIAL PROVISION "KEEPING THE EXPRESSWAYS OPEN TO TRAFFIC".
- 2) CONTRACTOR SHALL MAINTAIN THE DIFFERENTIAL GRADE OF LESS THAN 12" WHEN THE ADJACENT LANE TO THE DROP OFF IS OPEN TO TRAFFIC AT ALL TIMES DURING CONSTRUCTION.

MAINTENANCE OF TRAFFIC LEGEND

	WORK AREA		EXISTING TRAFFIC DIRECTION		FLASHING MONO-DIRECTIONAL LIGHT	①	PVT MK - LINE 4" WHITE	⑦	PVT MK - LINE 12" WHITE
	TEMPORARY PAVEMENT (CURRENT STAGE)		PROPOSED TRAFFIC DIRECTION		ARROW BOARD	②	PVT MK - LINE 4" YELLOW	⑧	PVT MK - LINE 24" WHITE
	TEMPORARY PAVEMENT (PREVIOUS STAGES)		BARRICADE, TYPE III, W/ FLASHING MONO-DIRECTIONAL LIGHTS		VERTICAL PANEL WITH STEADY BURN MONO-DIRECTIONAL LIGHT	③	PVT MK - DBL 4" YELLOW	⑨	PVT MK - LTRS & SYMB
	TEMPORARY CONCRETE BARRIER		TYPE II BARRICADE OR DRUM W/ STEADY BURN MONO-DIRECTIONAL LIGHT (SPACING AS NOTED)		TEMPORARY SIGN SUPPORT	④	PVT MK - LINE 5" WHITE	E	EXIST PVT MK
						⑤	PVT MK - LINE 6" WHITE	W	WET REF TEM TAPE T3
						⑥	PVT MK - LINE 8" WHITE	P	PERM PVT MK

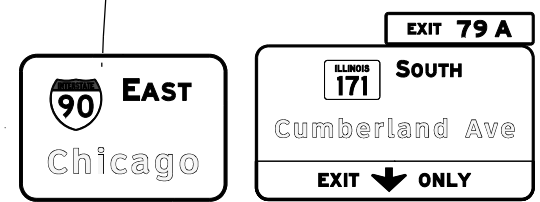
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PLOT SCALE = 1,0000' / 1in.	DRAWN MM	REVISED -
PLOT DATE = 5/3/2016	CHECKED KA	REVISED -
	DATE 5/6/2016	REVISED -



EB I-90 AND I-90 ADVISORY SIGNS
 INSTALLED IN-ADVANCE OF THE WORK AREA
 * CONTRACTOR COORDINATE WITH THE ENGINEER FOR
 PROPER MESSAGE DISPLAYS

⊕ FUTURE
 FLYOVER RAMP
 (BY OTHERS)

⊕ FUTURE
 EB C-D ROAD
 (BY OTHERS)



EXISTING BRIDGE MOUNT
 SIGN TO REMAIN DURING
 THIS STAGE

NOTES:

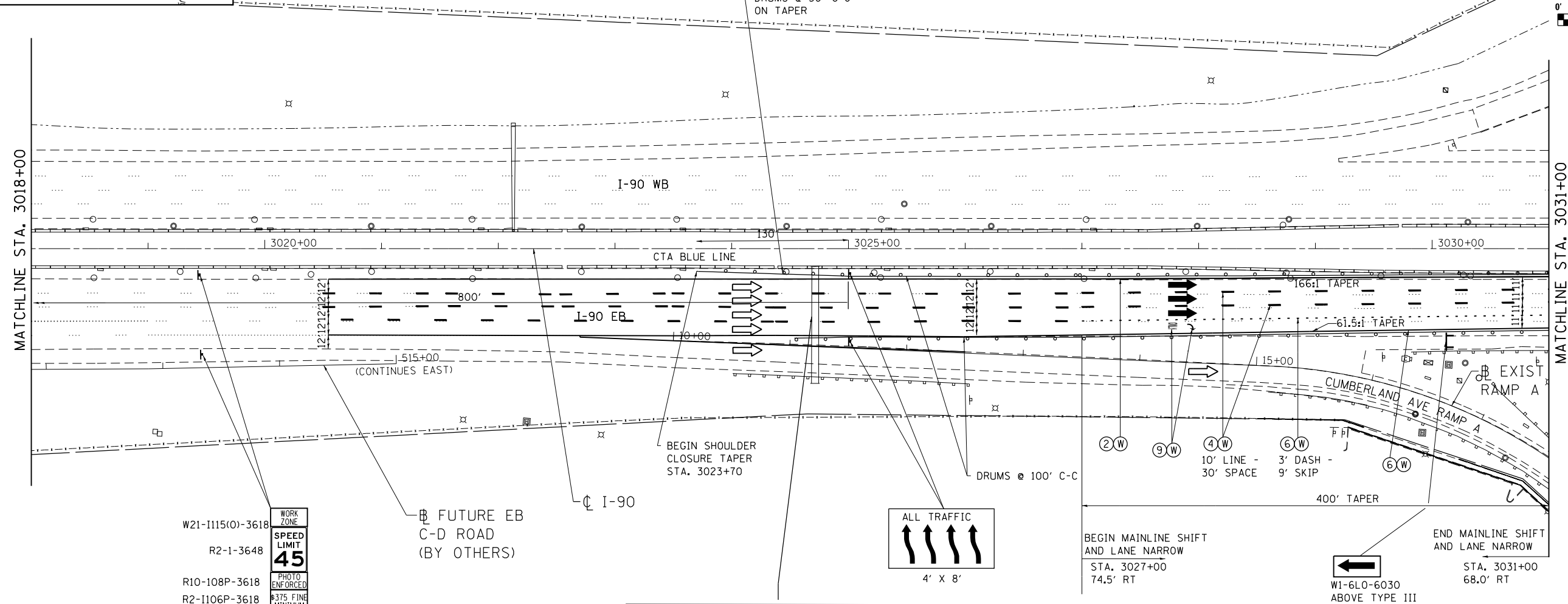
- 1) COORDINATE PLACEMENT OF ADVANCE WARNING SIGNS, STAGING AND TRAFFIC CONTROL WITH THE ADJACENT CONTRACT 60X56 AND 62A64.
- 2) COORDINATE WITH ENGINEER AND TOLLWAY MANAGER FOR EXACT LOCATION OF THE SIGNS.

MAINTENANCE OF TRAFFIC LEGEND

	WORK AREA		EXISTING TRAFFIC DIRECTION		FLASHING MONO-DIRECTIONAL LIGHT	①	PVT MK - LINE 4" WHITE	⑦	PVT MK - LINE 12" WHITE
	TEMPORARY PAVEMENT (CURRENT STAGE)		PROPOSED TRAFFIC DIRECTION		ARROW BOARD	②	PVT MK - LINE 4" YELLOW	⑧	PVT MK - LINE 24" WHITE
	TEMPORARY PAVEMENT (PREVIOUS STAGES)		BARRICADE, TYPE III, W/ FLASHING MONO-DIRECTIONAL LIGHTS		VERTICAL PANEL WITH STEADY BURN MONO-DIRECTIONAL LIGHT	③	PVT MK - DBL 4" YELLOW	⑨	PVT MK - LTRS & SYMB
	TEMPORARY CONCRETE BARRIER		TYPE II BARRICADE OR DRUM W/ STEADY BURN MONO-DIRECTIONAL LIGHT (SPACING AS NOTED)		TEMPORARY SIGN SUPPORT	④	PVT MK - LINE 5" WHITE	E	EXIST PVT MK
						⑤	PVT MK - LINE 6" WHITE	W	WET REF TEM TAPE T3
						⑥	PVT MK - LINE 8" WHITE	P	PERM PVT MK

USER NAME = mohamma	DESIGNED MM	REVISED -
PLOT SCALE = 1,000' / 1"	DRAWN MM	REVISED -
PLOT DATE = 5/3/2016	CHECKED KA	REVISED -
	DATE 5/6/2016	REVISED -

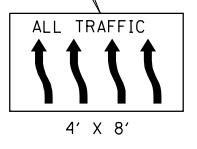
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	(1517 & 1415) R-3	COOK	557	112
CONTRACT NO. 60Y38				
ILLINOIS FED. AID PROJECT				



W21-1115(O)-3618
R2-1-3648
R10-108P-3618
R2-1106P-3618

WORK ZONE
SPEED LIMIT
45
PHOTO ENFORCED
#375 FINE MINIMUM

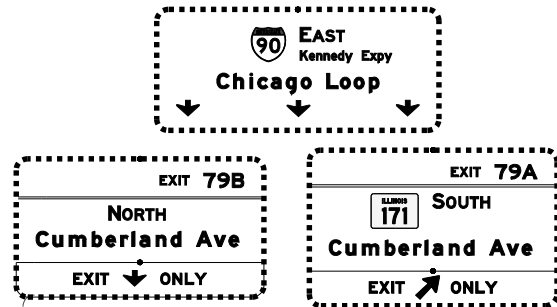
FUTURE EB
C-D ROAD
(BY OTHERS)



BEGIN MAINLINE SHIFT
AND LANE NARROW
STA. 3027+00
74.5' RT



END MAINLINE SHIFT
AND LANE NARROW
STA. 3031+00
68.0' RT



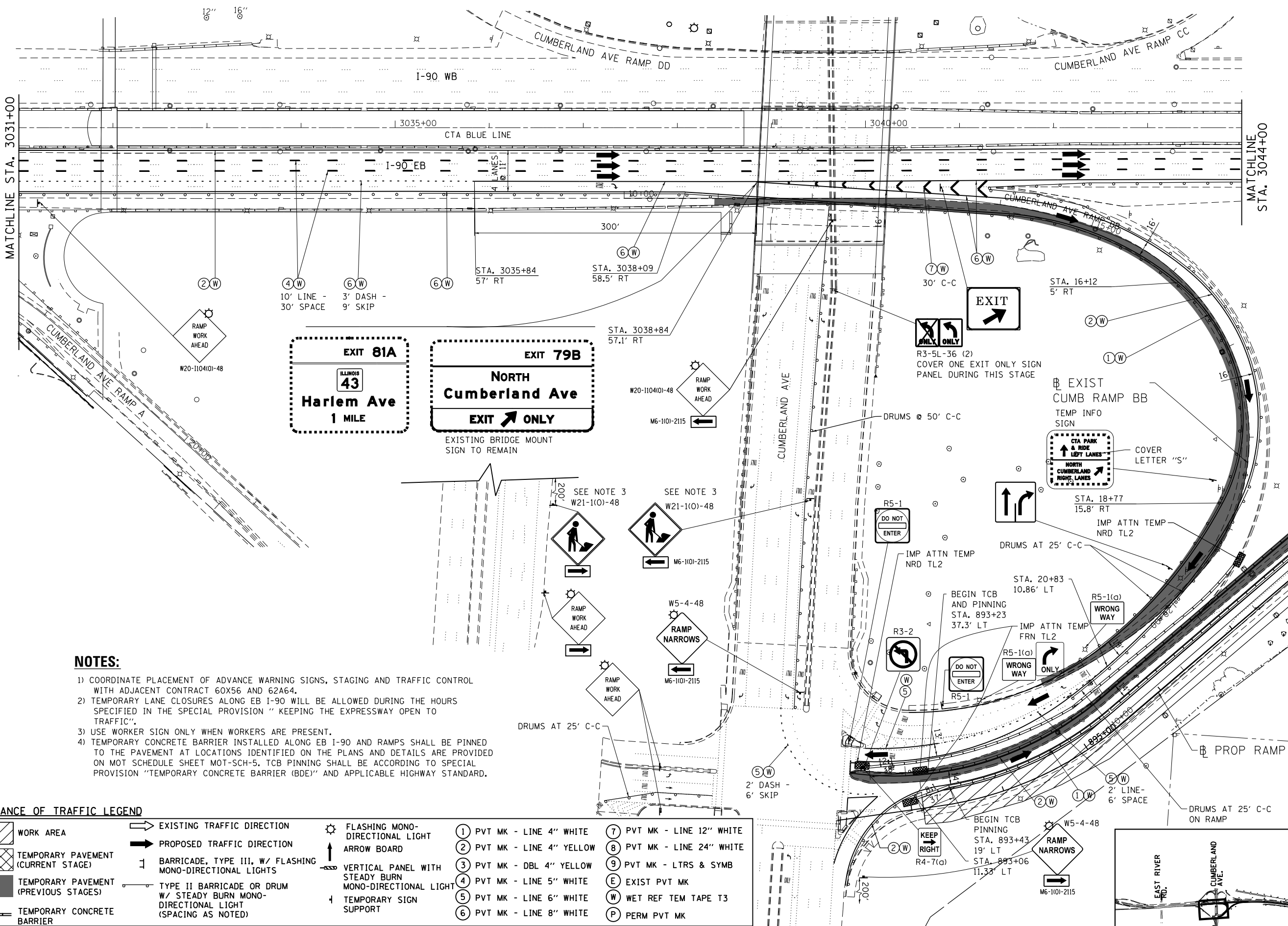
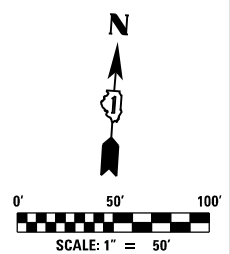
EXISTING TRUSS MOUNT
SIGN TO REMAIN DURING
THIS STAGE

MAINTENANCE OF TRAFFIC LEGEND

	WORK AREA		EXISTING TRAFFIC DIRECTION		FLASHING MONO-DIRECTIONAL LIGHT	①	PVT MK - LINE 4" WHITE	⑦	PVT MK - LINE 12" WHITE
	TEMPORARY PAVEMENT (CURRENT STAGE)		PROPOSED TRAFFIC DIRECTION		ARROW BOARD	②	PVT MK - LINE 4" YELLOW	⑧	PVT MK - LINE 24" WHITE
	TEMPORARY PAVEMENT (PREVIOUS STAGES)		BARRICADE, TYPE III, W/ FLASHING MONO-DIRECTIONAL LIGHTS		VERTICAL PANEL WITH STEADY BURN MONO-DIRECTIONAL LIGHT	③	PVT MK - DBL 4" YELLOW	⑨	PVT MK - LTRS & SYMB
	TEMPORARY CONCRETE BARRIER		TYPE II BARRICADE OR DRUM W/ STEADY BURN MONO-DIRECTIONAL LIGHT (SPACING AS NOTED)		TEMPORARY SIGN SUPPORT	④	PVT MK - LINE 5" WHITE	E	EXIST PVT MK
						⑤	PVT MK - LINE 6" WHITE	W	WET REF TEM TAPE T3
						⑥	PVT MK - LINE 8" WHITE	P	PERM PVT MK

USER NAME = mohamma	DESIGNED MM	REVISED -
PLOT SCALE = 1,0000' / 1in.	DRAWN MM	REVISED -
PLOT DATE = 5/3/2016	CHECKED KA	REVISED -
	DATE 5/6/2016	REVISED -

F.A.I. RTE. 90	SECTION (1517 & 1415) R-3	COUNTY COOK	TOTAL SHEETS 557	SHEET NO. 113
				CONTRACT NO. 60Y38
ILLINOIS FED. AID PROJECT				



NOTES:

- 1) COORDINATE PLACEMENT OF ADVANCE WARNING SIGNS, STAGING AND TRAFFIC CONTROL WITH ADJACENT CONTRACT 60X56 AND 62A64.
- 2) TEMPORARY LANE CLOSURES ALONG EB I-90 WILL BE ALLOWED DURING THE HOURS SPECIFIED IN THE SPECIAL PROVISION "KEEPING THE EXPRESSWAY OPEN TO TRAFFIC".
- 3) USE WORKER SIGN ONLY WHEN WORKERS ARE PRESENT.
- 4) TEMPORARY CONCRETE BARRIER INSTALLED ALONG EB I-90 AND RAMPS SHALL BE PINNED TO THE PAVEMENT AT LOCATIONS IDENTIFIED ON THE PLANS AND DETAILS ARE PROVIDED ON MOT SCHEDULE SHEET MOT-SCH-5. TCB PINNING SHALL BE ACCORDING TO SPECIAL PROVISION "TEMPORARY CONCRETE BARRIER (BDE)" AND APPLICABLE HIGHWAY STANDARD.

MAINTENANCE OF TRAFFIC LEGEND

	WORK AREA		EXISTING TRAFFIC DIRECTION		FLASHING MONO-DIRECTIONAL LIGHT ARROW BOARD		PVT MK - LINE 4" WHITE		PVT MK - LINE 12" WHITE
	TEMPORARY PAVEMENT (CURRENT STAGE)		PROPOSED TRAFFIC DIRECTION		VERTICAL PANEL WITH STEADY BURN MONO-DIRECTIONAL LIGHT		PVT MK - LINE 4" YELLOW		PVT MK - LINE 24" WHITE
	TEMPORARY PAVEMENT (PREVIOUS STAGES)		BARRICADE, TYPE III, W/ FLASHING MONO-DIRECTIONAL LIGHTS		TYPE II BARRICADE OR DRUM W/ STEADY BURN MONO-DIRECTIONAL LIGHT (SPACING AS NOTED)		PVT MK - DBL 4" YELLOW		PVT MK - LTRS & SYMB
	TEMPORARY CONCRETE BARRIER		TEMPORARY SIGN SUPPORT				PVT MK - LINE 5" WHITE		EXIST PVT MK
							PVT MK - LINE 6" WHITE		WET REF TEM TAPE T3
							PVT MK - LINE 8" WHITE		PERM PVT MK

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

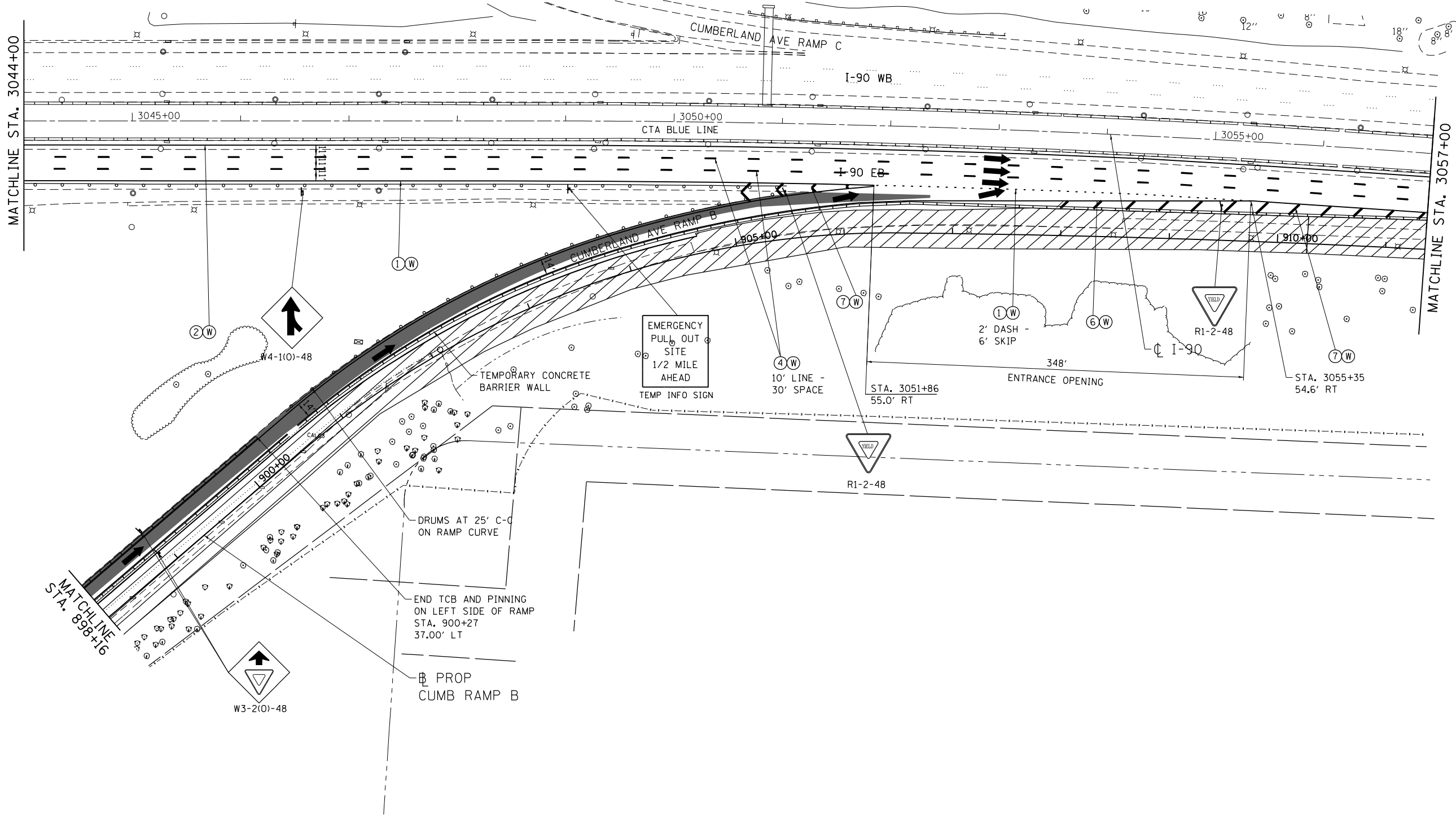
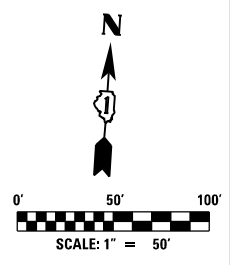
**I-90 EASTBOUND FROM CUMBERLAND AVE TO HARLEM AVE
SUGGESTED STAGING AND TRAFFIC CONTROL
STAGE 1**

exp U.S. Services Inc.
Chicago, IL
BUILDINGS EARTH & ENVIRONMENT ENERGY
INDUSTRIAL INFRASTRUCTURE SUSTAINABILITY

USER NAME = mohamma	DESIGNED MM	REVISED -
PLOT SCALE = 1,0000' / 1"	DRAWN MM	REVISED -
PLOT DATE = 5/3/2016	CHECKED KA	REVISED -
	DATE 5/6/2016	REVISED -

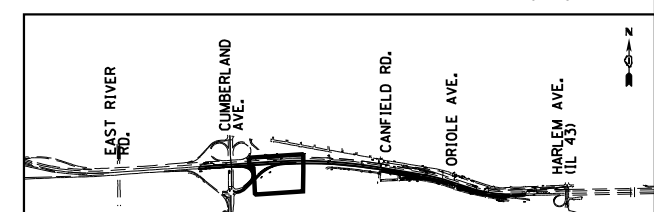
SCALE: 1" = 50' SHEET NO. 3 OF 9 SHEETS STA. 3032+00 TO STA. 3057+00

F.A.I. RTE. 90	SECTION (1517 & 1415) R-3	COUNTY COOK	TOTAL SHEETS 557	SHEET NO. 114
CONTRACT NO. 60Y38				
ILLINOIS FED. AID PROJECT				



MAINTENANCE OF TRAFFIC LEGEND

	WORK AREA		EXISTING TRAFFIC DIRECTION		FLASHING MONO-DIRECTIONAL LIGHT	①	PVT MK - LINE 4" WHITE	⑦	PVT MK - LINE 12" WHITE
	TEMPORARY PAVEMENT (CURRENT STAGE)		PROPOSED TRAFFIC DIRECTION		ARROW BOARD	②	PVT MK - LINE 4" YELLOW	⑧	PVT MK - LINE 24" WHITE
	TEMPORARY PAVEMENT (PREVIOUS STAGES)		BARRICADE, TYPE III, W/ FLASHING MONO-DIRECTIONAL LIGHTS		VERTICAL PANEL WITH STEADY BURN MONO-DIRECTIONAL LIGHT	③	PVT MK - DBL 4" YELLOW	⑨	PVT MK - LTRS & SYMB
	TEMPORARY CONCRETE BARRIER		TYPE II BARRICADE OR DRUM W/ STEADY BURN MONO-DIRECTIONAL LIGHT (SPACING AS NOTED)		TEMPORARY SIGN SUPPORT	④	PVT MK - LINE 5" WHITE	E	EXIST PVT MK
						⑤	PVT MK - LINE 6" WHITE	W	WET REF TEM TAPE T3
						⑥	PVT MK - LINE 8" WHITE	P	PERM PVT MK



MOT-01-4

exp U.S. Services Inc. Chicago, IL BUILDINGS, EARTH & ENVIRONMENT, ENERGY INDUSTRIAL INFRASTRUCTURE SUSTAINABILITY	USER NAME = mohamma	DESIGNED MM	REVISED -
	PLOT SCALE = 1,0000' / 1in.	DRAWN MM	REVISED -
	PLOT DATE = 5/3/2016	CHECKED KA	REVISED -
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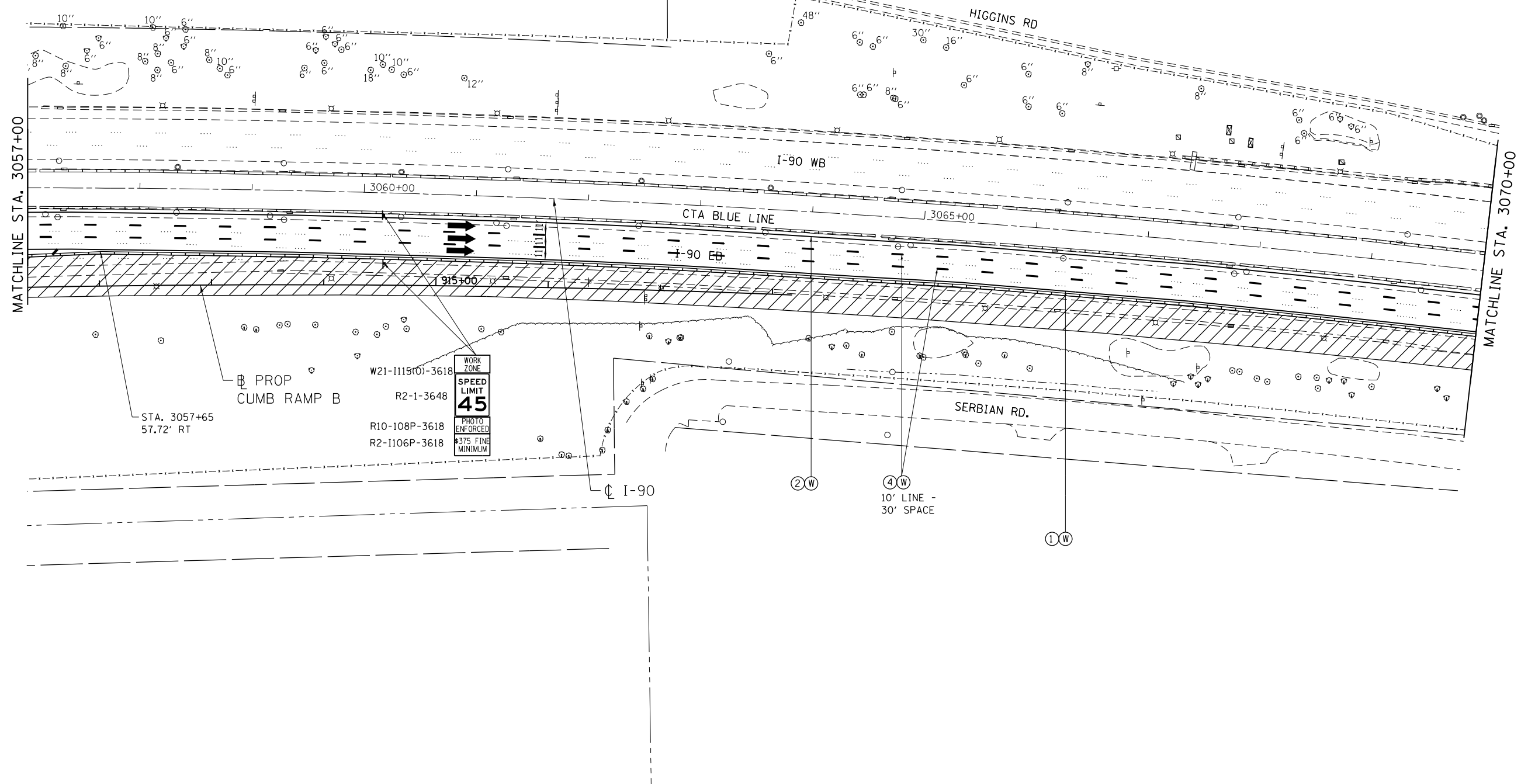
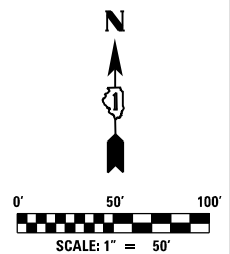
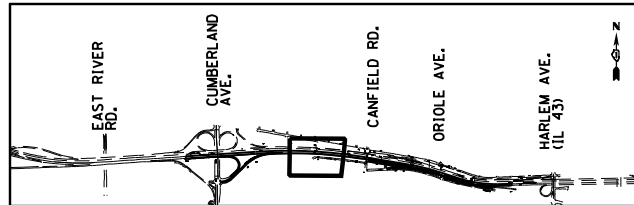
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-90 EASTBOUND FROM CUMBERLAND AVE TO HARLEM AVE
SUGGESTED STAGING AND TRAFFIC CONTROL
STAGE 1**

SCALE: 1" = 50' SHEET NO. 4 OF 9 SHEETS STA. 3032+00 TO STA. 3057+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	(1517 & 1415) R-3	COOK	557	115
CONTRACT NO. 60Y38				
ILLINOIS FED. AID PROJECT				

FILE NAME = D160Y38-shs-staging 1-04.dgn



MAINTENANCE OF TRAFFIC LEGEND

	WORK AREA		EXISTING TRAFFIC DIRECTION		FLASHING MONO-DIRECTIONAL LIGHT	①	PVT MK - LINE 4" WHITE	⑦	PVT MK - LINE 12" WHITE
	TEMPORARY PAVEMENT (CURRENT STAGE)		PROPOSED TRAFFIC DIRECTION		ARROW BOARD	②	PVT MK - LINE 4" YELLOW	⑧	PVT MK - LINE 24" WHITE
	TEMPORARY PAVEMENT (PREVIOUS STAGES)		BARRICADE, TYPE III, W/ FLASHING MONO-DIRECTIONAL LIGHTS		VERTICAL PANEL WITH STEADY BURN MONO-DIRECTIONAL LIGHT	③	PVT MK - DBL 4" YELLOW	⑨	PVT MK - LTRS & SYMB
	TEMPORARY CONCRETE BARRIER		TYPE II BARRICADE OR DRUM W/ STEADY BURN MONO-DIRECTIONAL LIGHT (SPACING AS NOTED)		TEMPORARY SIGN SUPPORT	④	PVT MK - LINE 5" WHITE	E	EXIST PVT MK
						⑤	PVT MK - LINE 6" WHITE	W	WET REF TEM TAPE T3
						⑥	PVT MK - LINE 8" WHITE	P	PERM PVT MK

exp U.S. Services Inc.
Chicago, IL
BUILDINGS, EARTH & ENVIRONMENT, ENERGY, INDUSTRIAL INFRASTRUCTURE, SUSTAINABILITY

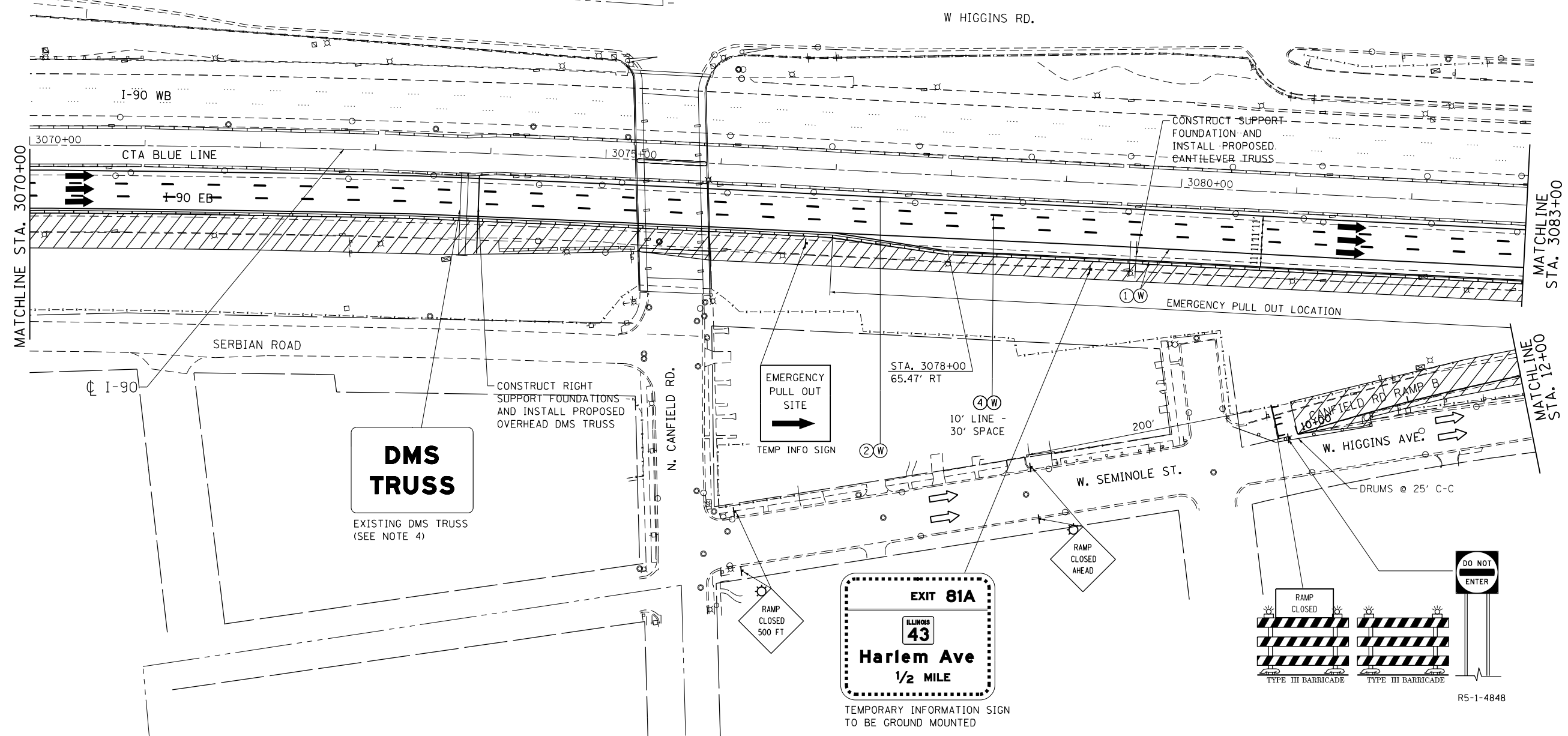
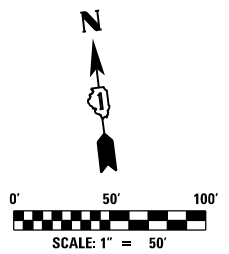
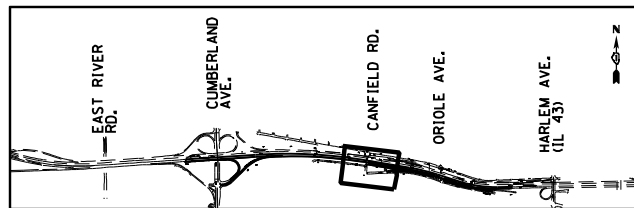
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PLOT SCALE = 1,0000' / 1" =	DRAWN MM	REVISED -
PLOT DATE = 5/3/2016	CHECKED KA	REVISED -
	DATE 5/6/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-90 EASTBOUND FROM CUMBERLAND AVE TO HARLEM AVE
SUGGESTED STAGING AND TRAFFIC CONTROL
STAGE 1**
SCALE: 1" = 50' SHEET NO. 4 OF 9 SHEETS STA. 3057+00 TO STA. 3083+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	(1517 & 1415) R-3	COOK	557	116
CONTRACT NO. 60Y38				
ILLINOIS FED. AID PROJECT				

MOT-01-5



MAINTENANCE OF TRAFFIC LEGEND

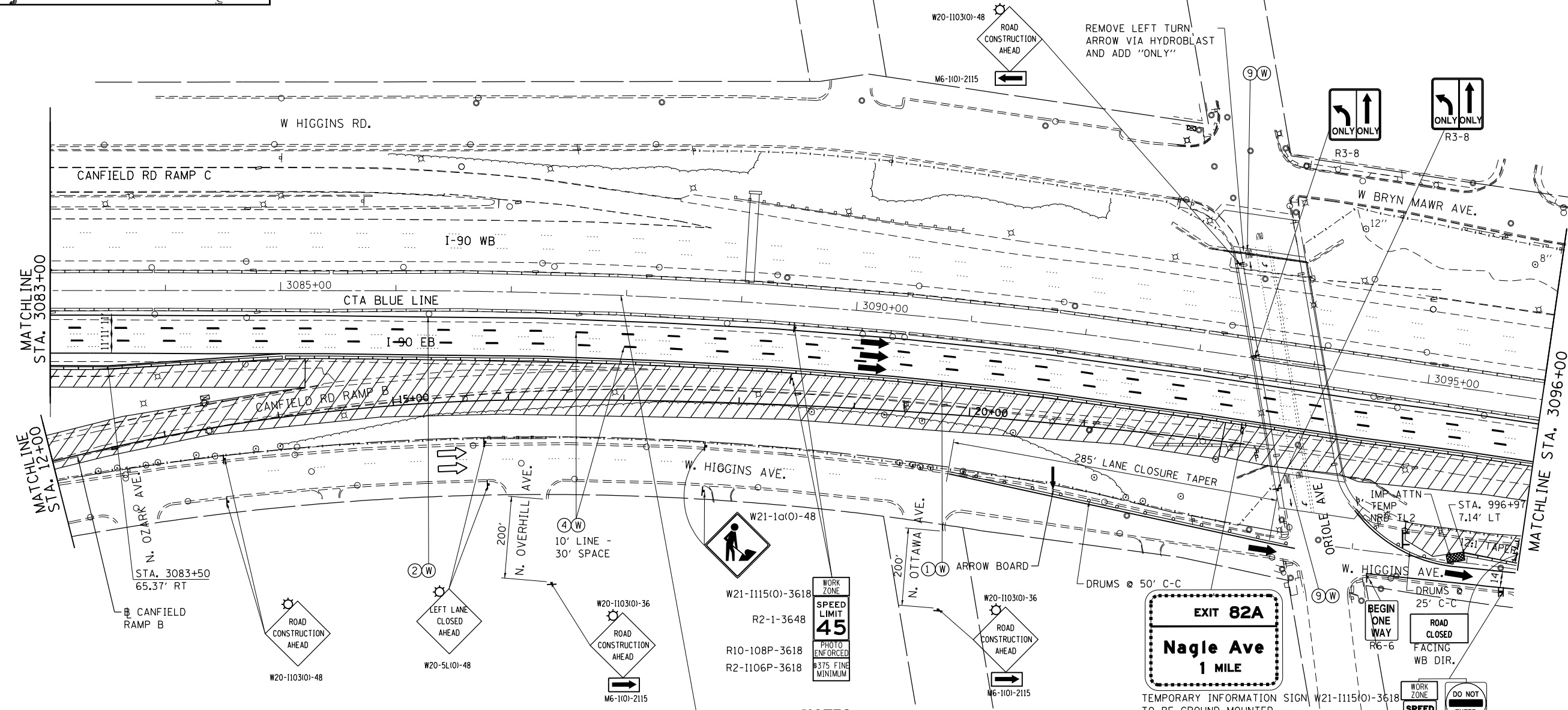
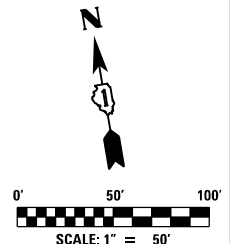
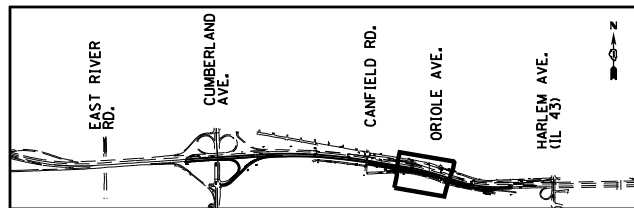
	WORK AREA		EXISTING TRAFFIC DIRECTION		FLASHING MONO-DIRECTIONAL LIGHT	①	PVT MK - LINE 4" WHITE	⑦	PVT MK - LINE 12" WHITE
	TEMPORARY PAVEMENT (CURRENT STAGE)		PROPOSED TRAFFIC DIRECTION		ARROW BOARD	②	PVT MK - LINE 4" YELLOW	⑧	PVT MK - LINE 24" WHITE
	TEMPORARY PAVEMENT (PREVIOUS STAGES)		BARRICADE, TYPE III, W/ FLASHING MONO-DIRECTIONAL LIGHTS		VERTICAL PANEL WITH STEADY BURN MONO-DIRECTIONAL LIGHT	③	PVT MK - DBL 4" YELLOW	⑨	PVT MK - LTRS & SYMB
	TEMPORARY CONCRETE BARRIER		TYPE II BARRICADE OR DRUM W/ STEADY BURN MONO-DIRECTIONAL LIGHT (SPACING AS NOTED)		TEMPORARY SIGN SUPPORT	④	PVT MK - LINE 5" WHITE	E	EXIST PVT MK
						⑤	PVT MK - LINE 6" WHITE	W	WET REF TEM TAPE T3
						⑥	PVT MK - LINE 8" WHITE	P	PERM PVT MK

NOTES:

- 1) CLOSE EB CANFIELD ENTRANCE RAMP TO TRAFFIC ACCORDING TO DISTRICT ONE DETAIL TC-08 AND AS SHOWN ON THE PLANS.
- 2) ADVANCE INFORMATION SIGNS FOR RAMP CLOSURE SHALL BE INSTALLED ACCORDING TO DISTRICT DETAIL TC-08. THESE SIGNS WILL BE PAID FOR ACCORDING TO PAY ITEM "TEMPORARY INFORMATION SIGN".
- 3) REFER TO CANFIELD RD ENTRANCE RAMP DETOUR SHEET MOT-DET-1 FOR DETOUR SIGNS AND ROUTE.
- 4) EXISTING DMS SIGN TRUSS TO BE MAINTAINED UNTIL PROPOSED DMS IS FULLY INSTALLED AND OPERATIONAL.
- 5) REFER TO SHEET MOT-DTL-1 FOR ADDITIONAL DETAILS OF EMERGENCY PULLOUT.

USER NAME = mohamma	DESIGNED MM	REVISED -
PLOT SCALE = 1:8000' / 1"	DRAWN MM	REVISED -
PLOT DATE = 5/3/2016	CHECKED KA	REVISED -
	DATE 5/6/2016	REVISED -

F.A.I. RTE. 90	SECTION (1517 & 1415) R-3	COUNTY COOK	TOTAL SHEETS 557	SHEET NO. 117
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60Y38	



NOTES:

- 1) CLOSE EB CANFIELD ENTRANCE RAMP TO TRAFFIC ACCORDING TO DISTRICT ONE DETAIL TC-08 AND DETOUR TRAFFIC AS SHOWN ON SHEET MOT-DET-01.
- 2) ADVANCE INFORMATION SIGNS FOR RAMP CLOSURE SHALL BE INSTALLED ACCORDING TO DISTRICT DETAIL TC-08. THESE SIGNS WILL BE PAID FOR ACCORDING TO PAY ITEM "TEMPORARY INFORMATION SIGN".
- 3) TEMPORARY INFORMATION SIGNS ALONG EB I-90 SHALL BE INSTALLED PRIOR TO REMOVING EXISTING TRUSS MOUNTED SIGNS AND PRIOR TO IMPLEMENTING STAGE 1 TRAFFIC CONFIGURATION.
- 4) RESTRICT PARKING ALONG HIGGINS AVE AND SHIFT EASTBOUND TRAFFIC TO SOUTH SIDE OF HIGGINS AVE AS SHOWN ON THE PLANS. DETOUR WESTBOUND HIGGINS AVE 1) DETOUR PLAN SHEET.

MAINTENANCE OF TRAFFIC LEGEND

	WORK AREA		EXISTING TRAFFIC DIRECTION		FLASHING MONO-DIRECTIONAL LIGHT		1 PVT MK - LINE 4" WHITE		7 PVT MK - LINE 12" WHITE
	TEMPORARY PAVEMENT (CURRENT STAGE)		PROPOSED TRAFFIC DIRECTION		ARROW BOARD		2 PVT MK - LINE 4" YELLOW		8 PVT MK - LINE 24" WHITE
	TEMPORARY PAVEMENT (PREVIOUS STAGES)		BARRICADE, TYPE III, W/ FLASHING MONO-DIRECTIONAL LIGHTS		VERTICAL PANEL WITH STEADY BURN MONO-DIRECTIONAL LIGHT		3 PVT MK - DBL 4" YELLOW		9 PVT MK - LTRS & SYMB
	TEMPORARY CONCRETE BARRIER		TYPE II BARRICADE OR DRUM W/ STEADY BURN MONO-DIRECTIONAL LIGHT (SPACING AS NOTED)		TEMPORARY SIGN SUPPORT		4 PVT MK - LINE 5" WHITE		E EXIST PVT MK
							5 PVT MK - LINE 6" WHITE		W WET REF TEM TAPE T3
							6 PVT MK - LINE 8" WHITE		P PERM PVT MK

exp U.S. Services Inc. Chicago, IL BUILDINGS, EARTH & ENVIRONMENT, ENERGY INDUSTRIAL INFRASTRUCTURE SUSTAINABILITY	USER NAME = mohamma	DESIGNED MM	REVISED -
	PLOT SCALE = 1,0000' / 1in.	DRAWN MM	REVISED -
	PLOT DATE = 5/3/2016	CHECKED KA	REVISED -
		DATE 5/6/2016	REVISED -

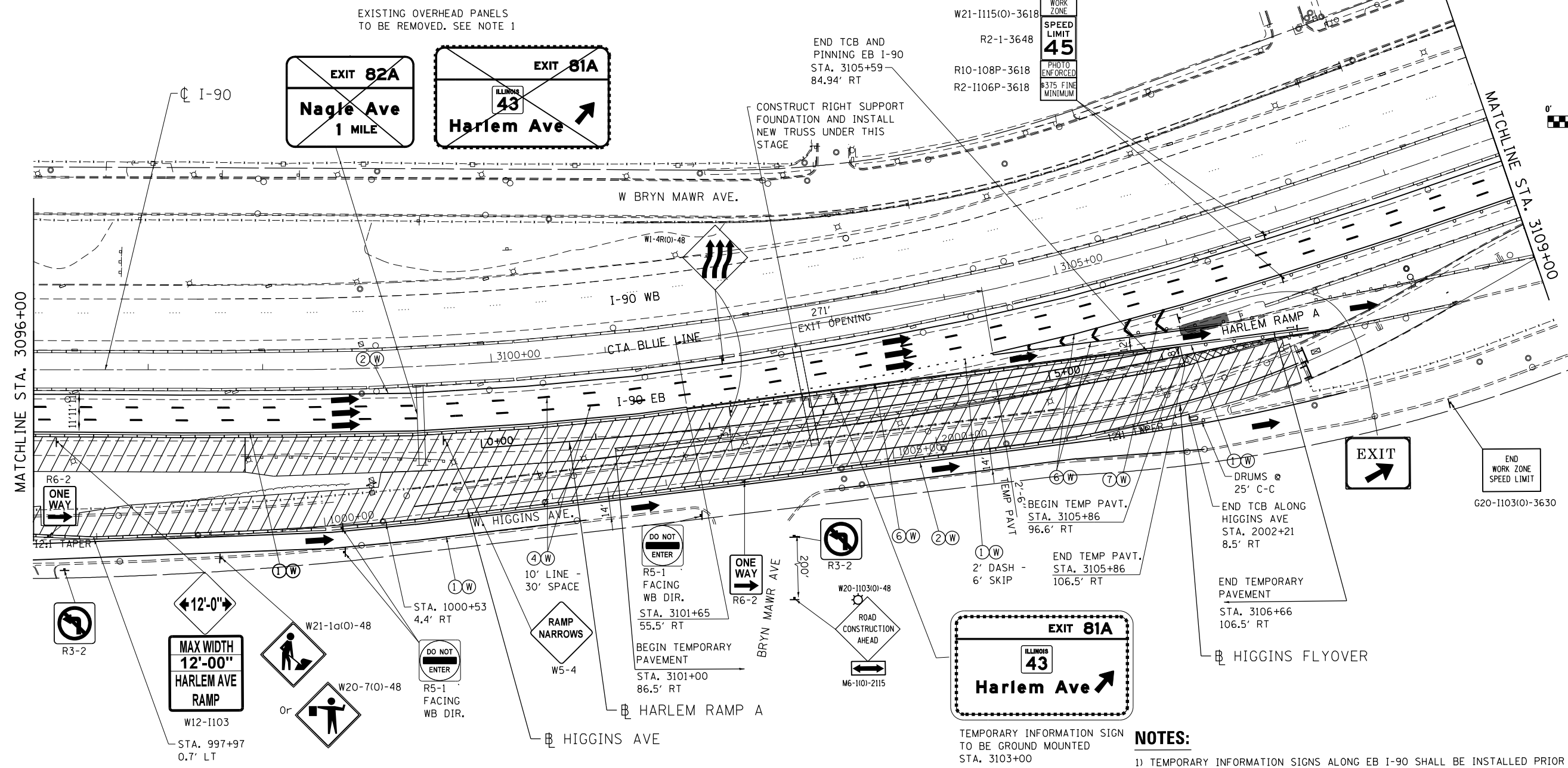
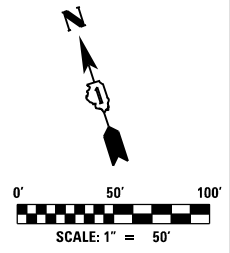
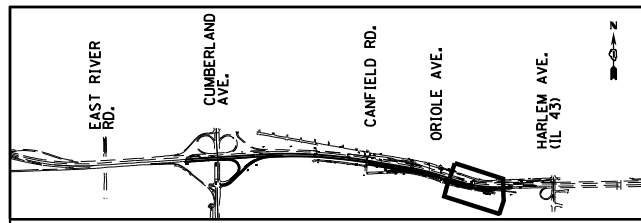
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-90 EASTBOUND FROM CUMBERLAND AVE TO HARLEM AVE
SUGGESTED STAGING AND TRAFFIC CONTROL
STAGE 1**

SCALE: 1" = 50' SHEET NO. 7 OF 9 SHEETS STA. 3083+00 TO STA. 3109+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	(1517 & 1415) R-3	COOK	557	118
CONTRACT NO. 60Y38				
ILLINOIS FED. AID PROJECT				

MOT-01-7



MAINTENANCE OF TRAFFIC LEGEND

	WORK AREA		EXISTING TRAFFIC DIRECTION		FLASHING MONO-DIRECTIONAL LIGHT	①	PVT MK - LINE 4" WHITE	⑦	PVT MK - LINE 12" WHITE
	TEMPORARY PAVEMENT (CURRENT STAGE)		PROPOSED TRAFFIC DIRECTION		ARROW BOARD	②	PVT MK - LINE 4" YELLOW	⑧	PVT MK - LINE 24" WHITE
	TEMPORARY PAVEMENT (PREVIOUS STAGES)		BARRICADE, TYPE III, W/ FLASHING MONO-DIRECTIONAL LIGHTS		VERTICAL PANEL WITH STEADY BURN MONO-DIRECTIONAL LIGHT	③	PVT MK - DBL 4" YELLOW	⑨	PVT MK - LTRS & SYMB
	TEMPORARY CONCRETE BARRIER		TYPE II BARRICADE OR DRUM W/ STEADY BURN MONO-DIRECTIONAL LIGHT (SPACING AS NOTED)		TEMPORARY SIGN SUPPORT	④	PVT MK - LINE 5" WHITE	E	EXIST PVT MK
						⑤	PVT MK - LINE 6" WHITE	W	WET REF TEM TAPE T3
						⑥	PVT MK - LINE 8" WHITE	P	PERM PVT MK

NOTES:

- 1) TEMPORARY INFORMATION SIGNS ALONG EB I-90 SHALL BE INSTALLED PRIOR TO REMOVING EXISTING TRUSS MOUNTED SIGNS AND PRIOR TO IMPLEMENTING STAGE 1 TRAFFIC CONFIGURATION.
- 2) RESTRICT PARKING ALONG HIGGINS AVE AND SHIFT EASTBOUND TRAFFIC TO SOUTH SIDE OF HIGGINS AVE AS SHOWN ON THE PLANS. DETOUR WESTBOUND HIGGINS AVE TRAFFIC ACCORDING TO DETOUR PLAN SHEET MOT-DET-2
- 3) REPAIR EXISTING RETAINING WALL AS SHOWN ON THE STRUCTURAL PLANS.
- 4) TEMPORARY CONCRETE BARRIER INSTALLED ALONG EB I-90, AND RAMPS SHALL BE PINNED TO THE PAVEMENT ACCORDING TO APPLICABLE HIGHWAY STANDARD AND THE SPECIAL PROVISION "TEMPORARY CONCRETE BARRIER (BDE)".

exp U.S. Services Inc.
Chicago, IL
BUILDINGS EARTH & ENVIRONMENT ENERGY
INDUSTRIAL INFRASTRUCTURE SUSTAINABILITY

USER NAME = mohamma	DESIGNED MM	REVISED -
PLOT SCALE = 1,000' / 1"	DRAWN MM	REVISED -
PLOT DATE = 5/3/2016	CHECKED KA	REVISED -
	DATE 5/6/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

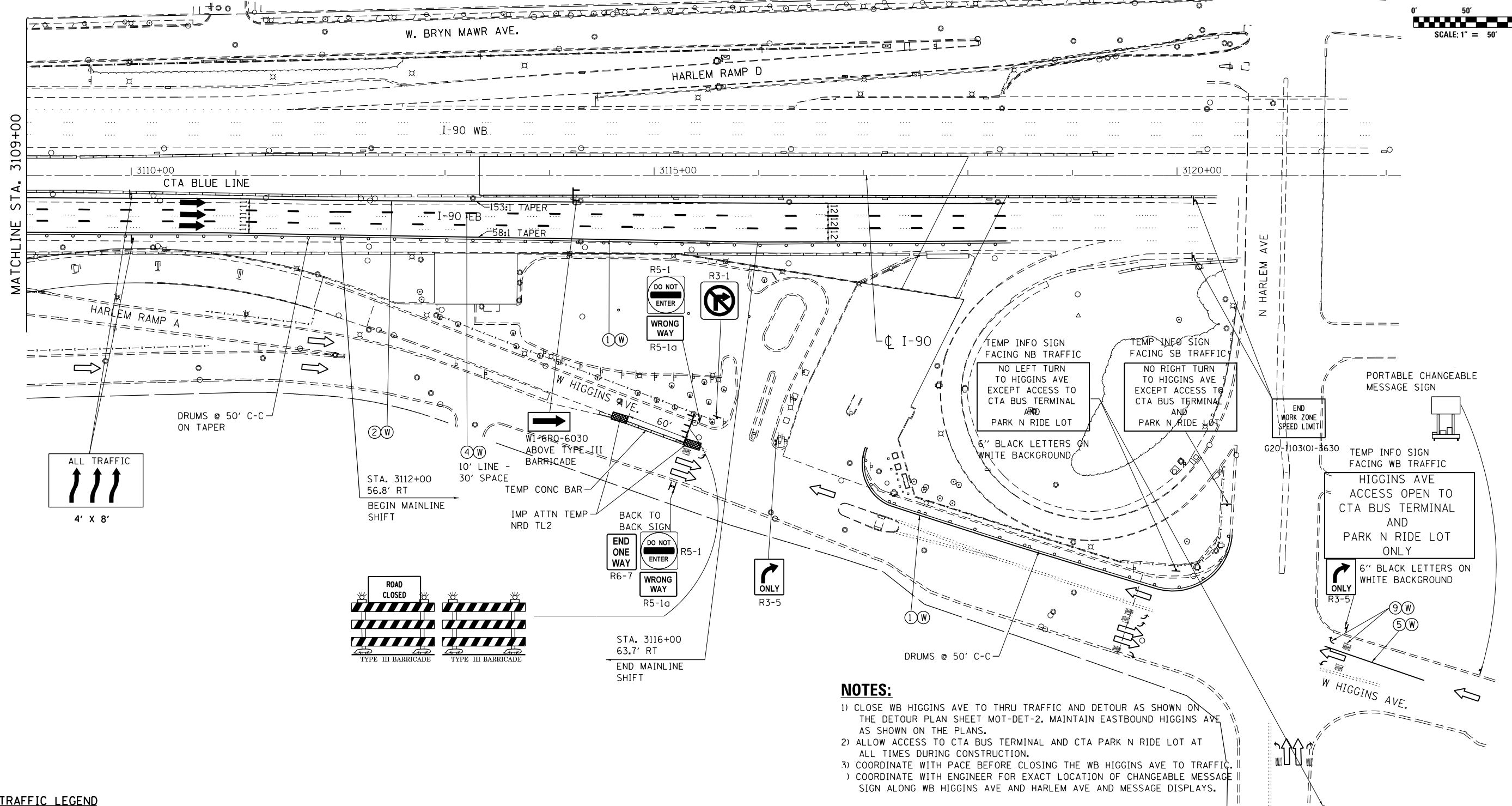
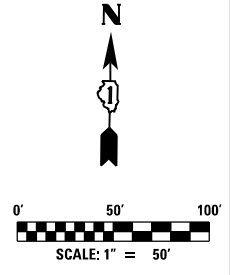
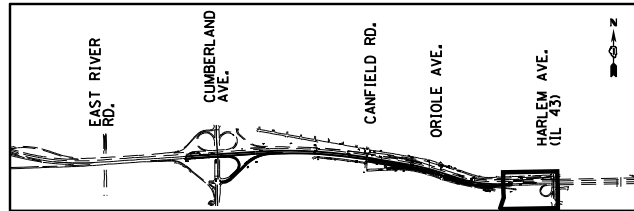
**I-90 EASTBOUND FROM CUMBERLAND AVE TO HARLEM AVE
SUGGESTED STAGING AND TRAFFIC CONTROL
STAGE 1**

SCALE: 1" = 50' SHEET NO. 8 OF 9 SHEETS STA. 3083+00 TO STA. 3109+00

F.A.I. RTE. 90	SECTION (1517 & 1415) R-3	COUNTY COOK	TOTAL SHEETS 557	SHEET NO. 119
				CONTRACT NO. 60Y38
ILLINOIS FED. AID PROJECT				

MOT-01-8

FILE NAME = D160Y38-shs-staging 1-08.dgn



- NOTES:**
- 1) CLOSE WB HIGGINS AVE TO THRU TRAFFIC AND DETOUR AS SHOWN ON THE DETOUR PLAN SHEET MOT-DET-2. MAINTAIN EASTBOUND HIGGINS AVE AS SHOWN ON THE PLANS.
 - 2) ALLOW ACCESS TO CTA BUS TERMINAL AND CTA PARK N RIDE LOT AT ALL TIMES DURING CONSTRUCTION.
 - 3) COORDINATE WITH PACE BEFORE CLOSING THE WB HIGGINS AVE TO TRAFFIC.
 - 4) COORDINATE WITH ENGINEER FOR EXACT LOCATION OF CHANGEABLE MESSAGE SIGN ALONG WB HIGGINS AVE AND HARLEM AVE AND MESSAGE DISPLAYS.

MAINTENANCE OF TRAFFIC LEGEND

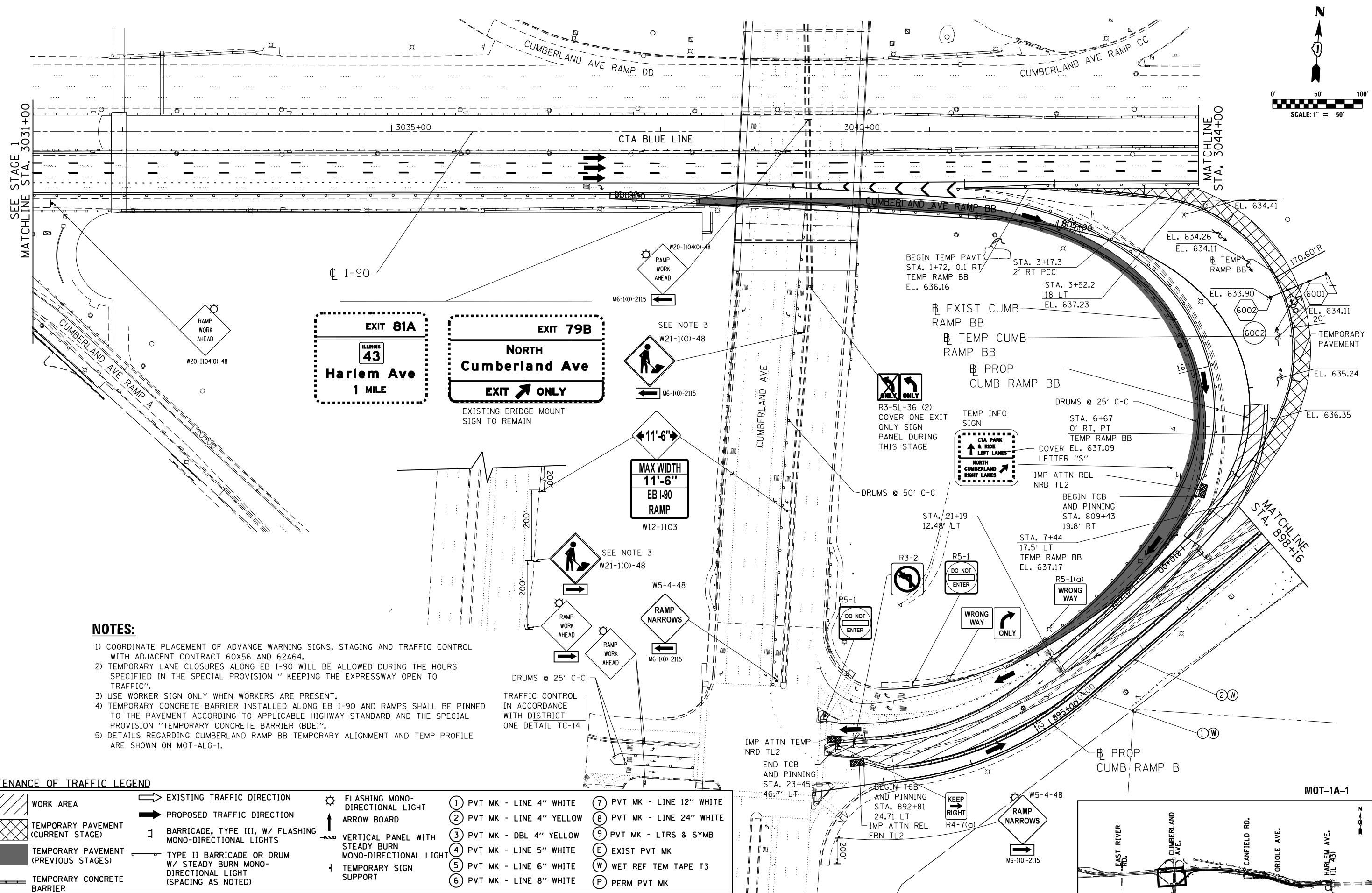
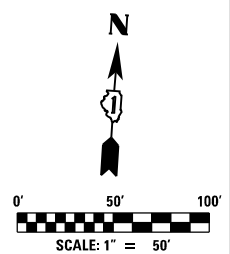
	WORK AREA		EXISTING TRAFFIC DIRECTION		FLASHING MONO-DIRECTIONAL LIGHT ARROW BOARD	①	PVT MK - LINE 4" WHITE	⑦	PVT MK - LINE 12" WHITE
	TEMPORARY PAVEMENT (CURRENT STAGE)		PROPOSED TRAFFIC DIRECTION		VERTICAL PANEL WITH STEADY BURN MONO-DIRECTIONAL LIGHT	②	PVT MK - LINE 4" YELLOW	⑧	PVT MK - LINE 24" WHITE
	TEMPORARY PAVEMENT (PREVIOUS STAGES)		BARRICADE, TYPE III, W/ FLASHING MONO-DIRECTIONAL LIGHTS		TEMPORARY SIGN SUPPORT	③	PVT MK - DBL 4" YELLOW	⑨	PVT MK - LTRS & SYMB
	TEMPORARY CONCRETE BARRIER		TYPE II BARRICADE OR DRUM W/ STEADY BURN MONO-DIRECTIONAL LIGHT (SPACING AS NOTED)			④	PVT MK - LINE 5" WHITE	Ⓔ	EXIST PVT MK
						⑤	PVT MK - LINE 6" WHITE	Ⓜ	WET REF TEM TAPE T3
						⑥	PVT MK - LINE 8" WHITE	Ⓟ	PERM PVT MK

	USER NAME = mohamma	DESIGNED MM	REVISED -
	PLOT SCALE = 1:8000 @ 11"	DRAWN MM	REVISED -
	PLOT DATE = 5/3/2016	CHECKED KA	REVISED -
		DATE 5/6/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-90 EASTBOUND FROM CUMBERLAND AVE TO HARLEM AVE
SUGGESTED STAGING AND TRAFFIC CONTROL
STAGE 1**

F.A.I. RTE. 90	SECTION (1517 & 1415) R-3	COUNTY COOK	TOTAL SHEETS 557	SHEET NO. 120
CONTRACT NO. 60Y38				
ILLINOIS FED. AID PROJECT				



- NOTES:**
- 1) COORDINATE PLACEMENT OF ADVANCE WARNING SIGNS, STAGING AND TRAFFIC CONTROL WITH ADJACENT CONTRACT 60X56 AND 62A64.
 - 2) TEMPORARY LANE CLOSURES ALONG EB I-90 WILL BE ALLOWED DURING THE HOURS SPECIFIED IN THE SPECIAL PROVISION "KEEPING THE EXPRESSWAY OPEN TO TRAFFIC".
 - 3) USE WORKER SIGN ONLY WHEN WORKERS ARE PRESENT.
 - 4) TEMPORARY CONCRETE BARRIER INSTALLED ALONG EB I-90 AND RAMPS SHALL BE PINNED TO THE PAVEMENT ACCORDING TO APPLICABLE HIGHWAY STANDARD AND THE SPECIAL PROVISION "TEMPORARY CONCRETE BARRIER (BDE)".
 - 5) DETAILS REGARDING CUMBERLAND RAMP BB TEMPORARY ALIGNMENT AND TEMP PROFILE ARE SHOWN ON MOT-ALG-1.

MAINTENANCE OF TRAFFIC LEGEND

	WORK AREA		EXISTING TRAFFIC DIRECTION		FLASHING MONO-DIRECTIONAL LIGHT ARROW BOARD		PVT MK - LINE 4" WHITE		PVT MK - LINE 12" WHITE
	TEMPORARY PAVEMENT (CURRENT STAGE)		PROPOSED TRAFFIC DIRECTION		VERTICAL PANEL WITH STEADY BURN MONO-DIRECTIONAL LIGHT		PVT MK - LINE 4" YELLOW		PVT MK - LINE 24" WHITE
	TEMPORARY PAVEMENT (PREVIOUS STAGES)		BARRICADE, TYPE III, W/ FLASHING MONO-DIRECTIONAL LIGHTS		TYPE II BARRICADE OR DRUM W/ STEADY BURN MONO-DIRECTIONAL LIGHT (SPACING AS NOTED)		PVT MK - DBL 4" YELLOW		PVT MK - LTRS & SYMB
	TEMPORARY CONCRETE BARRIER		TEMPORARY SIGN SUPPORT				PVT MK - LINE 5" WHITE		EXIST PVT MK
							PVT MK - LINE 6" WHITE		WET REF TEM TAPE T3
							PVT MK - LINE 8" WHITE		PERM PVT MK

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

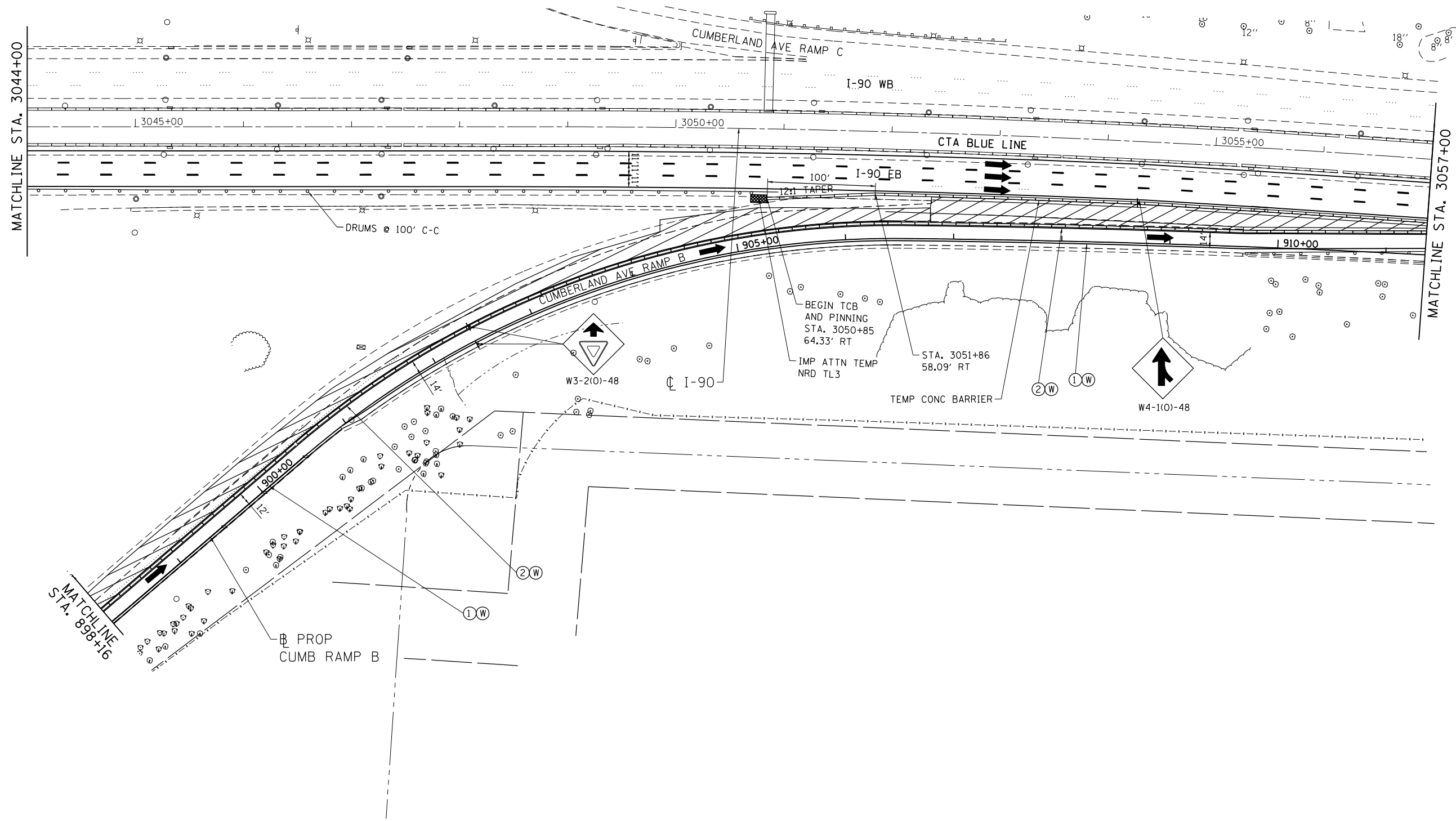
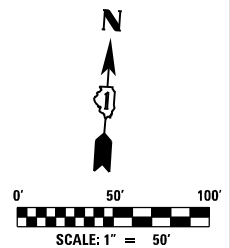
I-90 EASTBOUND FROM CUMBERLAND AVE TO HARLEM AVE
SUGGESTED STAGING AND TRAFFIC CONTROL
STAGE 1 SUB STAGE A

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	(1517 & 1415) R-3	COOK	557	121
CONTRACT NO. 60Y38				

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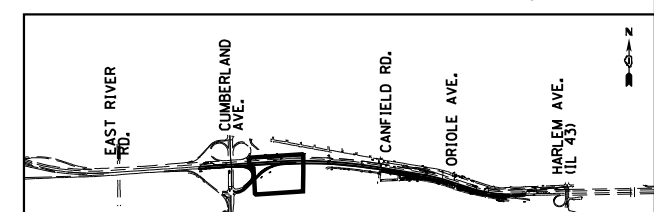
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	DATE 5/6/2016	REVISED -

SCALE: 1" = 50' SHEET NO. 3 OF 9 SHEETS STA. 3032+00 TO STA. 3057+00



MAINTENANCE OF TRAFFIC LEGEND

	WORK AREA		EXISTING TRAFFIC DIRECTION		FLASHING MONO-DIRECTIONAL LIGHT	①	PVT MK - LINE 4" WHITE	⑦	PVT MK - LINE 12" WHITE
	TEMPORARY PAVEMENT (CURRENT STAGE)		PROPOSED TRAFFIC DIRECTION		ARROW BOARD	②	PVT MK - LINE 4" YELLOW	⑧	PVT MK - LINE 24" WHITE
	TEMPORARY PAVEMENT (PREVIOUS STAGES)		BARRICADE, TYPE III, W/ FLASHING MONO-DIRECTIONAL LIGHTS		VERTICAL PANEL WITH STEADY BURN MONO-DIRECTIONAL LIGHT	③	PVT MK - DBL 4" YELLOW	⑨	PVT MK - LTRS & SYMB
	TEMPORARY CONCRETE BARRIER		TYPE II BARRICADE OR DRUM W/ STEADY BURN MONO-DIRECTIONAL LIGHT (SPACING AS NOTED)		TEMPORARY SIGN SUPPORT	④	PVT MK - LINE 5" WHITE	E	EXIST PVT MK
						⑤	PVT MK - LINE 6" WHITE	W	WET REF TEM TAPE T3
						⑥	PVT MK - LINE 8" WHITE	P	PERM PVT MK



MOT-1A-2

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Chicago, IL
BUILDINGS, EARTH & ENVIRONMENT ENERGY
INDUSTRIAL INFRASTRUCTURE SUSTAINABILITY

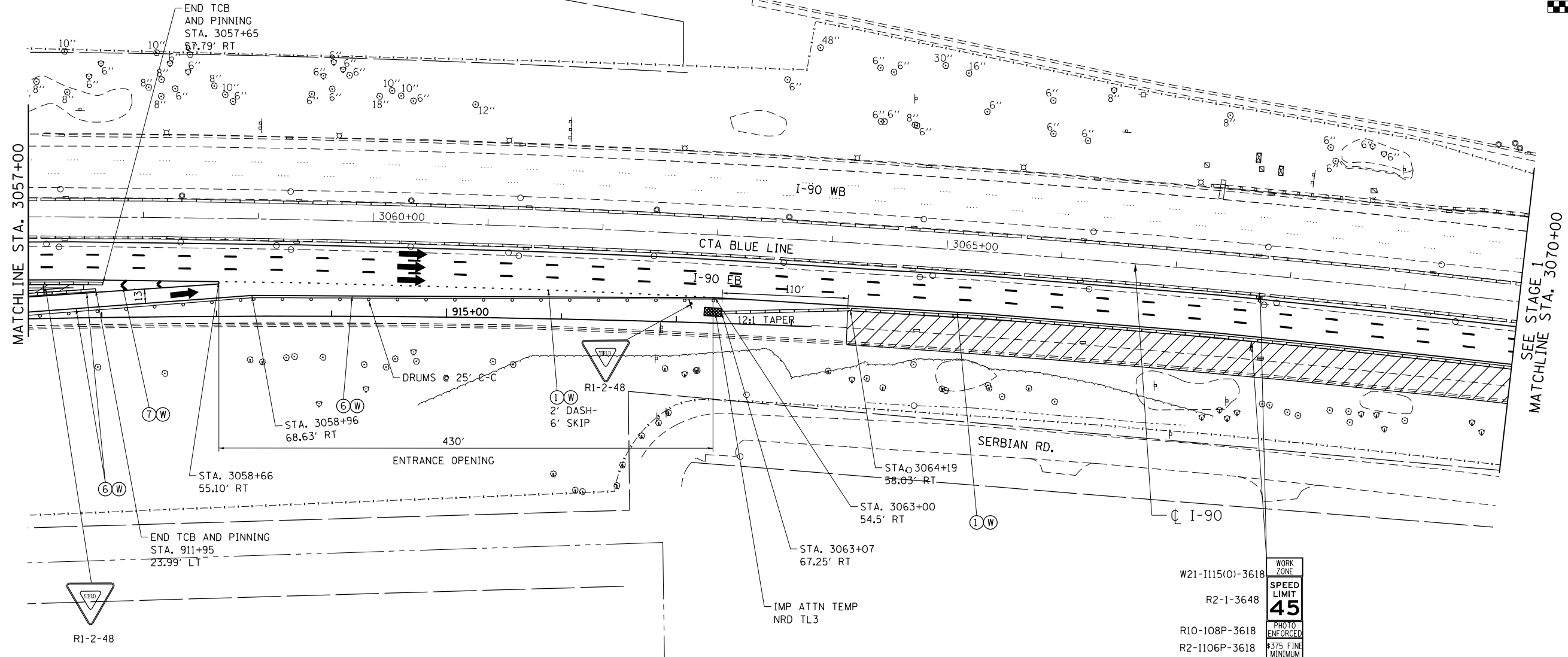
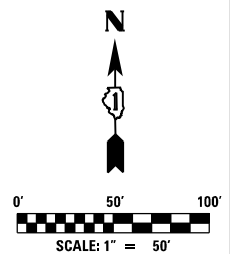
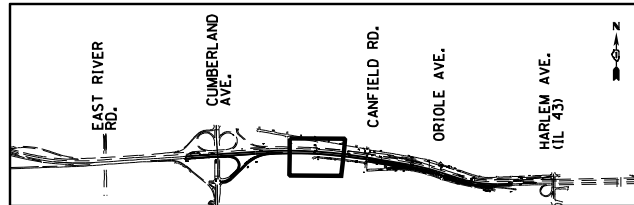
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	DATE 5/6/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-90 EASTBOUND FROM CUMBERLAND AVE TO HARLEM AVE
SUGGESTED STAGING AND TRAFFIC CONTROL
STAGE 1 SUB STAGE A**

SCALE: 1" = 50' SHEET NO. 4 OF 9 SHEETS STA. 3032+00 TO STA. 3057+00

F.A.I. RTE. 90	SECTION (1517 & 1415) R-3	COUNTY COOK	TOTAL SHEETS 557	SHEET NO. 122
CONTRACT NO. 60Y38			ILLINOIS FED. AID PROJECT	



WORK ZONE
SPEED LIMIT
45
PHOTO ENFORCED
\$375 FINE MINIMUM

W21-1115(0)-3618
R2-1-3648
R10-108P-3618
R2-1106P-3618

MAINTENANCE OF TRAFFIC LEGEND

	WORK AREA		EXISTING TRAFFIC DIRECTION		FLASHING MONO-DIRECTIONAL LIGHT		PVT MK - LINE 4" WHITE		PVT MK - LINE 12" WHITE
	TEMPORARY PAVEMENT (CURRENT STAGE)		PROPOSED TRAFFIC DIRECTION		ARROW BOARD		PVT MK - LINE 4" YELLOW		PVT MK - LINE 24" WHITE
	TEMPORARY PAVEMENT (PREVIOUS STAGES)		BARRICADE, TYPE III, W/ FLASHING MONO-DIRECTIONAL LIGHTS		VERTICAL PANEL WITH STEADY BURN MONO-DIRECTIONAL LIGHT		PVT MK - DBL 4" YELLOW		PVT MK - LTRS & SYMB
	TEMPORARY CONCRETE BARRIER		TYPE II BARRICADE OR DRUM W/ STEADY BURN MONO-DIRECTIONAL LIGHT (SPACING AS NOTED)		TEMPORARY SIGN SUPPORT		PVT MK - LINE 5" WHITE		EXIST PVT MK
							PVT MK - LINE 6" WHITE		WET REF TEM TAPE T3
							PVT MK - LINE 8" WHITE		PERM PVT MK

exp. U.S. Services Inc.
Chicago, IL
BUILDINGS, EARTH & ENVIRONMENT, ENERGY
INDUSTRIAL INFRASTRUCTURE SUSTAINABILITY

USER NAME = mohamma	DESIGNED MM	REVISED -
PLOT SCALE = 1,0000' / 1in.	DRAWN MM	REVISED -
PLOT DATE = 5/3/2016	CHECKED KA	REVISED -
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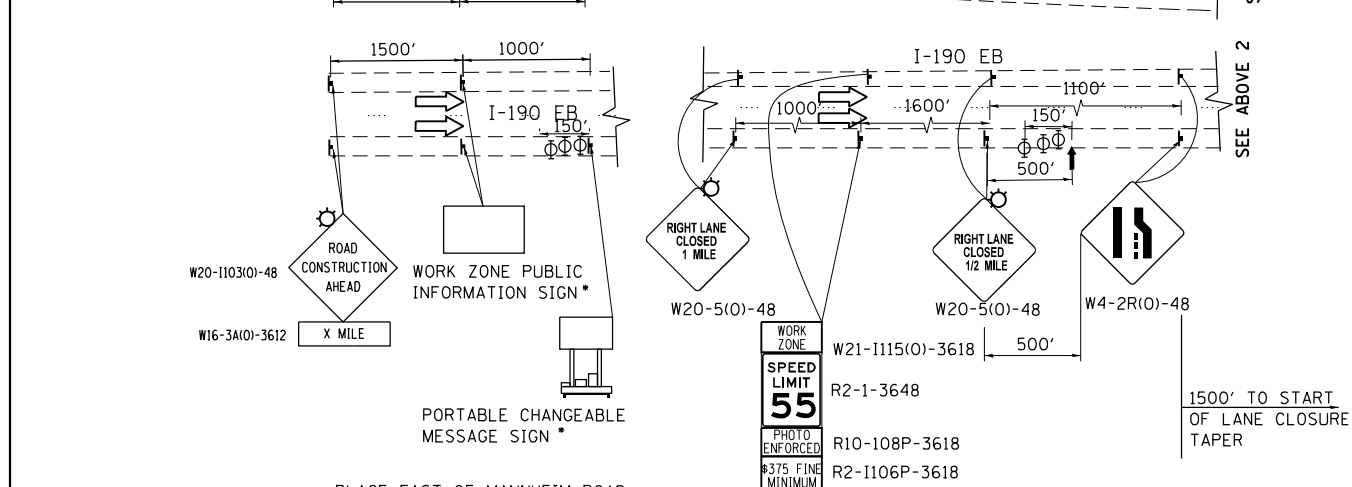
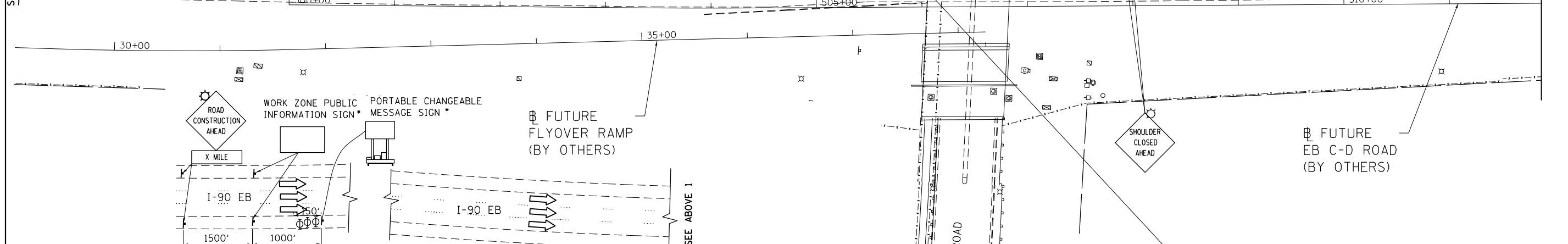
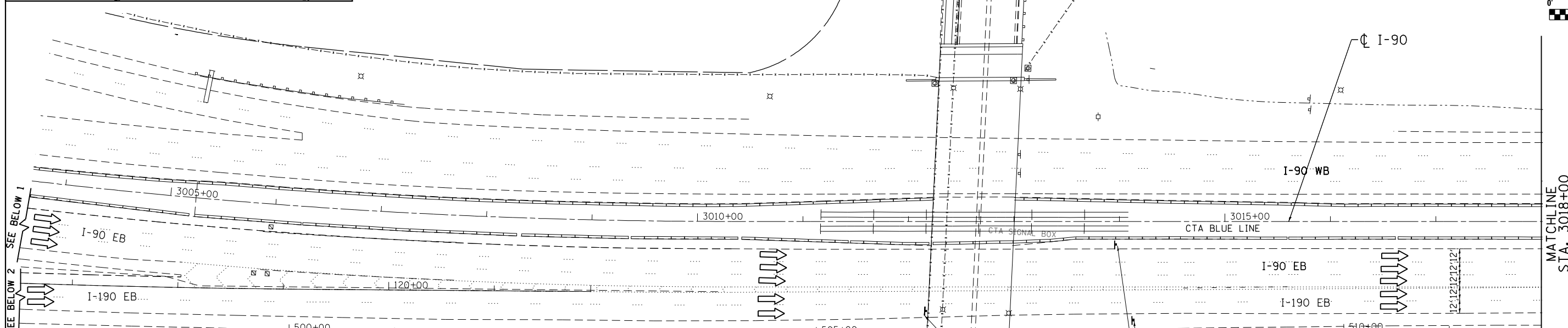
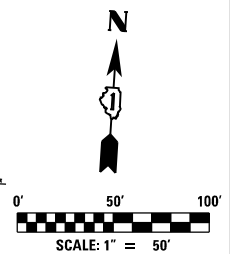
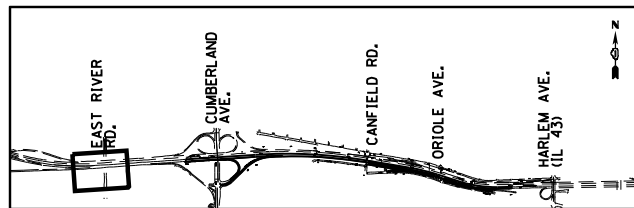
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-90 EASTBOUND FROM CUMBERLAND AVE TO HARLEM AVE
SUGGESTED STAGING AND TRAFFIC CONTROL
STAGE 1 SUB STAGE A**

SCALE: 1" = 50' SHEET NO. 4 OF 9 SHEETS STA. 3057+00 TO STA. 3083+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	(1517 & 1415) R-3	COOK	557	123
CONTRACT NO. 60Y38				
ILLINOIS FED. AID PROJECT				

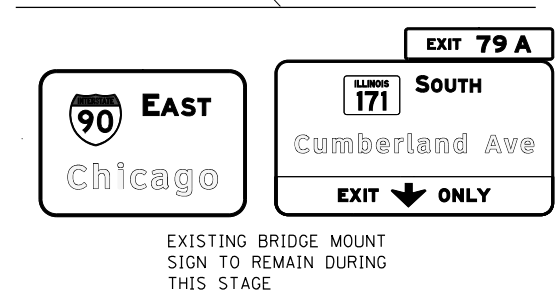
MOT-1A-3



EB I-190 AND I-90 ADVISORY SIGNS INSTALLED IN-ADVANCE OF THE WORK AREA

• CONTRACTOR COORDINATE WITH THE ENGINEER FOR PROPER MESSAGE DISPLAYS

NOTE: COORDINATE WITH ENGINEER AND TOLLWAY FOR EXACT LOCATION OF SIGNS.



MAINTENANCE OF TRAFFIC LEGEND		MOT-1B-1	
	WORK AREA		EXISTING TRAFFIC DIRECTION
	TEMPORARY PAVEMENT (CURRENT STAGE)		PROPOSED TRAFFIC DIRECTION
	TEMPORARY PAVEMENT (PREVIOUS STAGES)		BARRICADE, TYPE III, W/ FLASHING MONO-DIRECTIONAL LIGHTS
	TEMPORARY CONCRETE BARRIER		TYPE II BARRICADE OR DRUM W/ STEADY BURN MONO-DIRECTIONAL LIGHT (SPACING AS NOTED)
	FLASHING MONO-DIRECTIONAL LIGHT		ARROW BOARD
	VERTICAL PANEL WITH STEADY BURN MONO-DIRECTIONAL LIGHT		TEMPORARY SIGN SUPPORT
	1 PVT MK - LINE 4" WHITE		7 PVT MK - LINE 12" WHITE
	2 PVT MK - LINE 4" YELLOW		8 PVT MK - LINE 24" WHITE
	3 PVT MK - DBL 4" YELLOW		9 PVT MK - LTRS & SYMB
	4 PVT MK - LINE 5" WHITE		E EXIST PVT MK
	5 PVT MK - LINE 6" WHITE		W WET REF TEM TAPE T3
	6 PVT MK - LINE 8" WHITE		P PERM PVT MK

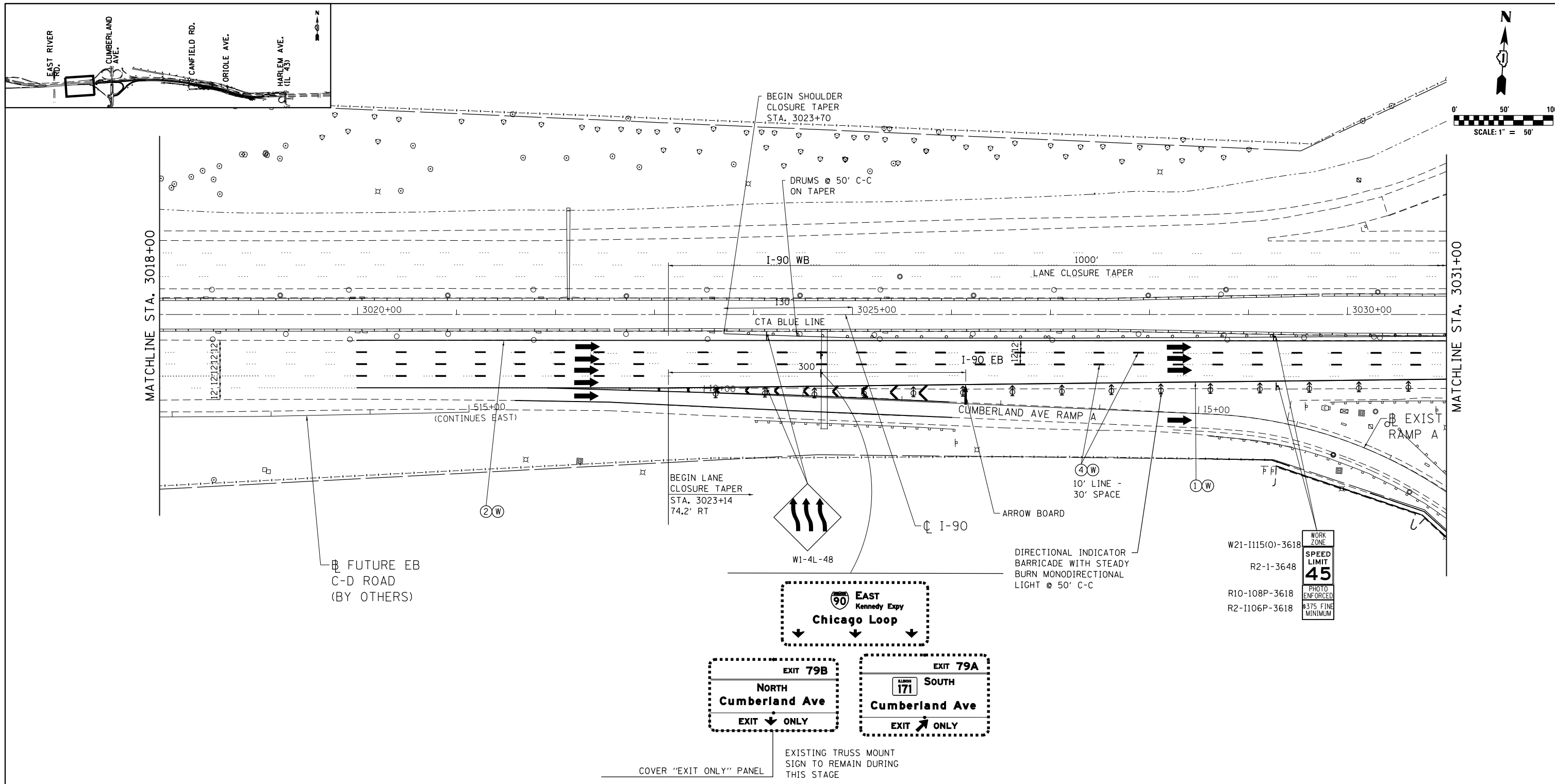
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	PLOT DATE = 5/3/2016	CHECKED KA	REVISED -
		DATE 5/6/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-90 EASTBOUND FROM CUMBERLAND AVE TO HARLEM AVE
SUGGESTED STAGING AND TRAFFIC CONTROL
STAGE 1 SUB STAGE B

SCALE: 1" = 50' SHEET NO. 1 OF 9 SHEETS STA. 3005+00 TO STA. 3031+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	(1517 & 1415) R-3	COOK	557	124
CONTRACT NO. 60Y38				
ILLINOIS FED. AID PROJECT				



MAINTENANCE OF TRAFFIC LEGEND

	WORK AREA		EXISTING TRAFFIC DIRECTION		FLASHING MONO-DIRECTIONAL LIGHT	①	PVT MK - LINE 4" WHITE	⑦	PVT MK - LINE 12" WHITE
	TEMPORARY PAVEMENT (CURRENT STAGE)		PROPOSED TRAFFIC DIRECTION		ARROW BOARD	②	PVT MK - LINE 4" YELLOW	⑧	PVT MK - LINE 24" WHITE
	TEMPORARY PAVEMENT (PREVIOUS STAGES)		BARRICADE, TYPE III, W/ FLASHING MONO-DIRECTIONAL LIGHTS		VERTICAL PANEL WITH STEADY BURN MONO-DIRECTIONAL LIGHT	③	PVT MK - DBL 4" YELLOW	⑨	PVT MK - LTRS & SYMB
	TEMPORARY CONCRETE BARRIER		TYPE II BARRICADE OR DRUM W/ STEADY BURN MONO-DIRECTIONAL LIGHT (SPACING AS NOTED)		TEMPORARY SIGN SUPPORT	④	PVT MK - LINE 5" WHITE	E	EXIST PVT MK
						⑤	PVT MK - LINE 6" WHITE	W	WET REF TEM TAPE T3
						⑥	PVT MK - LINE 8" WHITE	P	PERM PVT MK

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-90 EASTBOUND FROM CUMBERLAND AVE TO HARLEM AVE
SUGGESTED STAGING AND TRAFFIC CONTROL
STAGE 1 SUB STAGE B**

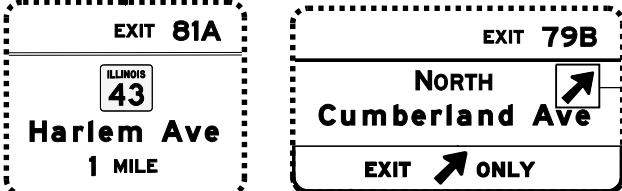
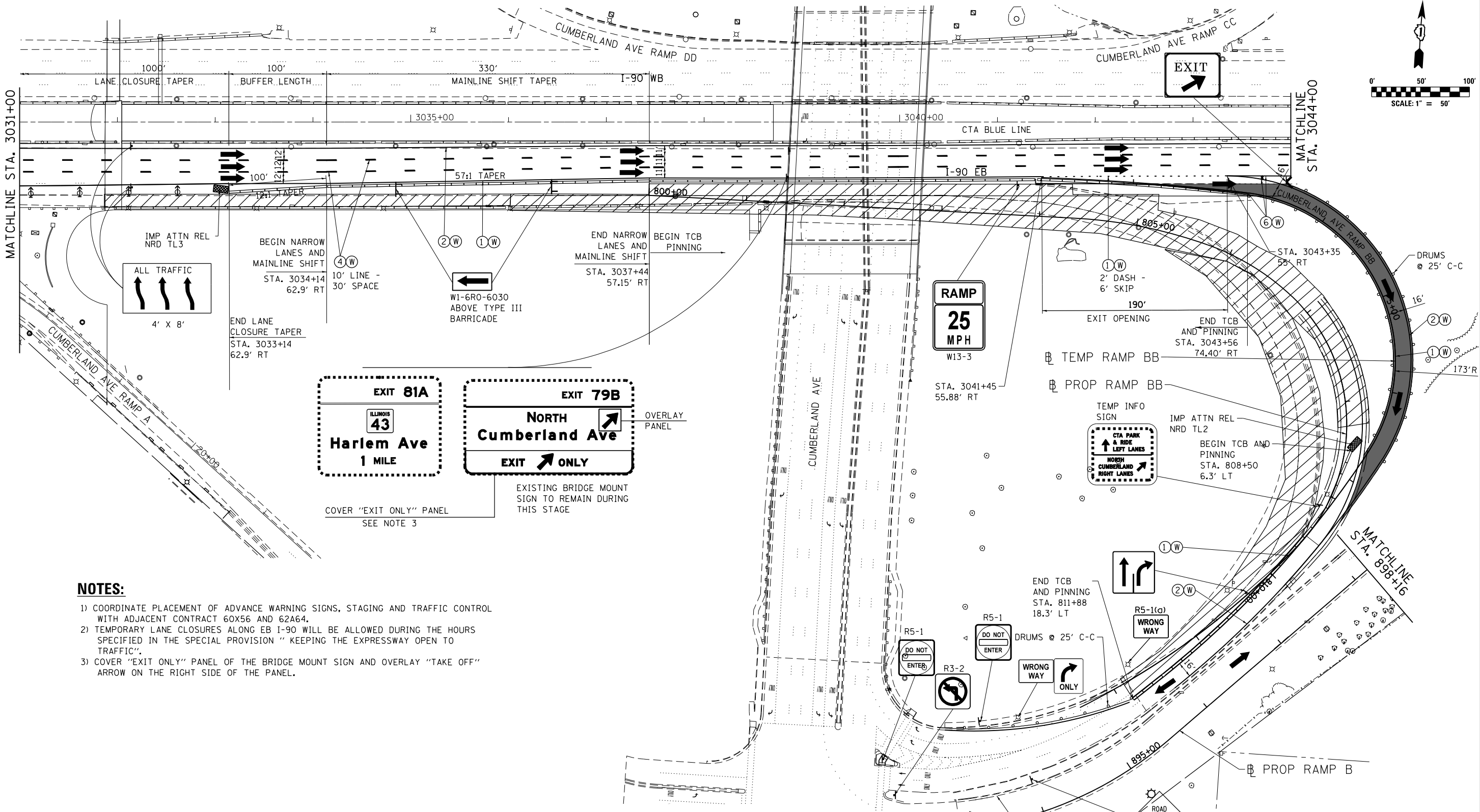
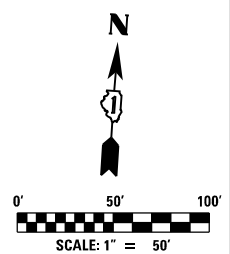
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	(1517 & 1415) R-3	COOK	557	125
CONTRACT NO. 60Y38				

exp U.S. Services Inc.
Chicago, IL
BUILDINGS, EARTH & ENVIRONMENT ENERGY
INDUSTRIAL INFRASTRUCTURE SUSTAINABILITY

USER NAME = mohamma	DESIGNED MM	REVISED -
PLOT SCALE = 1,0000' / 1in.	DRAWN MM	REVISED -
PLOT DATE = 5/3/2016	CHECKED KA	REVISED -
	DATE 5/6/2016	REVISED -

SCALE: 1" = 50' SHEET NO. 2 OF 9 SHEETS STA. 3005+00 TO STA. 3031+00

ILLINOIS FED. AID PROJECT



NOTES:

- 1) COORDINATE PLACEMENT OF ADVANCE WARNING SIGNS, STAGING AND TRAFFIC CONTROL WITH ADJACENT CONTRACT 60X56 AND 62A64.
- 2) TEMPORARY LANE CLOSURES ALONG EB I-90 WILL BE ALLOWED DURING THE HOURS SPECIFIED IN THE SPECIAL PROVISION "KEEPING THE EXPRESSWAY OPEN TO TRAFFIC".
- 3) COVER "EXIT ONLY" PANEL OF THE BRIDGE MOUNT SIGN AND OVERLAY "TAKE OFF" ARROW ON THE RIGHT SIDE OF THE PANEL.

MAINTENANCE OF TRAFFIC LEGEND

	WORK AREA		EXISTING TRAFFIC DIRECTION		FLASHING MONO-DIRECTIONAL LIGHT ARROW BOARD		PVT MK - LINE 4" WHITE		PVT MK - LINE 12" WHITE
	TEMPORARY PAVEMENT (CURRENT STAGE)		PROPOSED TRAFFIC DIRECTION		VERTICAL PANEL WITH STEADY BURN MONO-DIRECTIONAL LIGHT		PVT MK - LINE 4" YELLOW		PVT MK - LINE 24" WHITE
	TEMPORARY PAVEMENT (PREVIOUS STAGES)		BARRICADE, TYPE III, W/ FLASHING MONO-DIRECTIONAL LIGHTS		TYPE II BARRICADE OR DRUM W/ STEADY BURN MONO-DIRECTIONAL LIGHT (SPACING AS NOTED)		PVT MK - DBL 4" YELLOW		PVT MK - LTRS & SYMB
	TEMPORARY CONCRETE BARRIER		TYPE II BARRICADE OR DRUM W/ STEADY BURN MONO-DIRECTIONAL LIGHT (SPACING AS NOTED)		TEMPORARY SIGN SUPPORT		PVT MK - LINE 5" WHITE		EXIST PVT MK
			PVT MK - LINE 6" WHITE		WET REF TEM TAPE T3		PVT MK - LINE 8" WHITE		PERM PVT MK

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-90 EASTBOUND FROM CUMBERLAND AVE TO HARLEM AVE
SUGGESTED STAGING AND TRAFFIC CONTROL
STAGE 1 SUB STAGE B

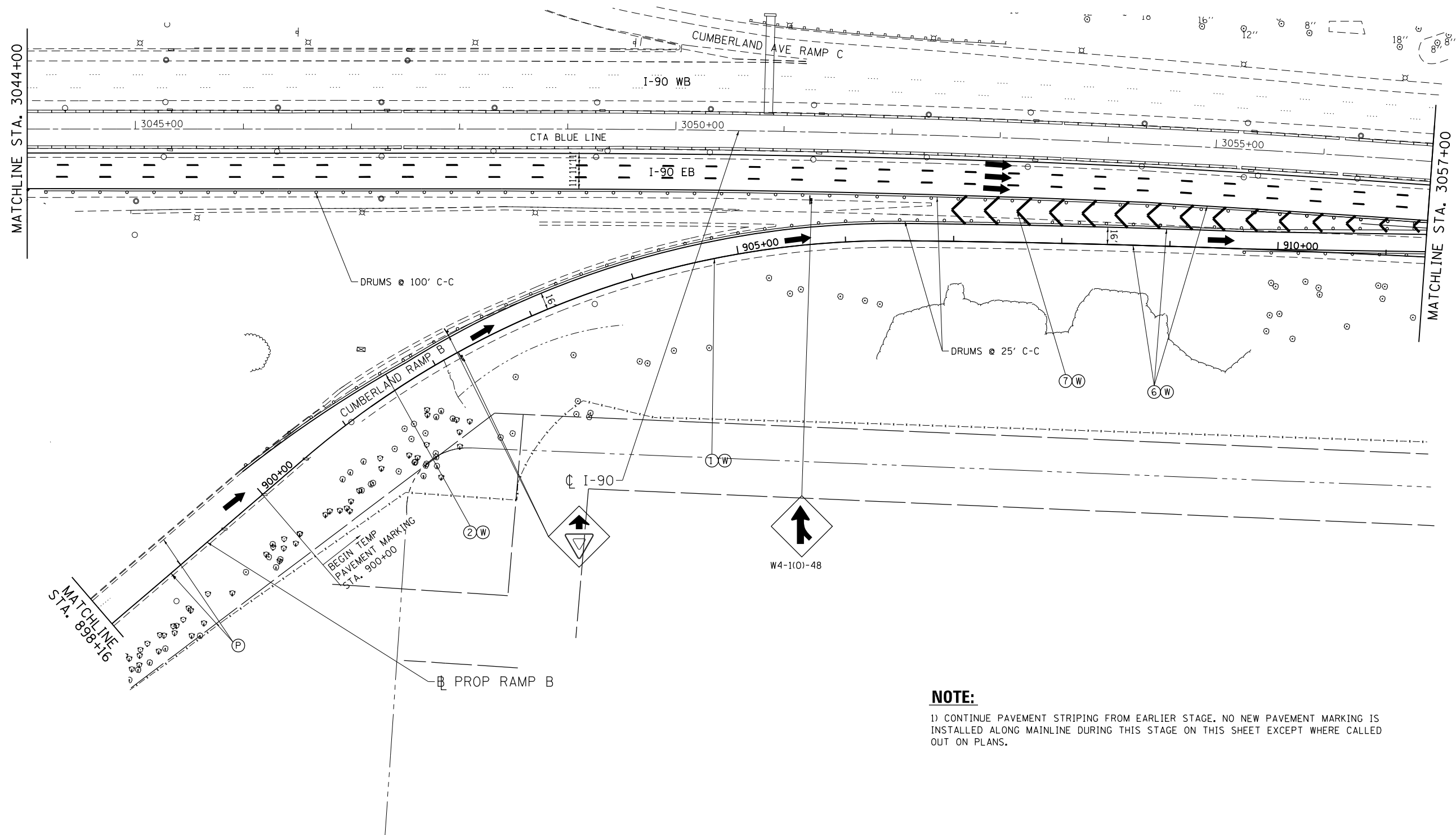
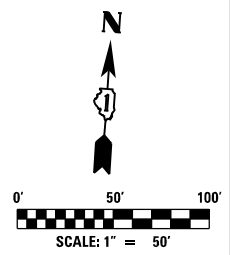
SCALE: 1" = 50' SHEET NO. 3 OF 9 SHEETS STA. 3032+00 TO STA. 3057+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	(1517 & 1415) R-3	COOK	557	126
CONTRACT NO. 60Y38			ILLINOIS FED. AID PROJECT	

exp U.S. Services Inc.
CHICAGO, IL
BUILDINGS, EARTH & ENVIRONMENT ENERGY
INDUSTRIAL INFRASTRUCTURE SUSTAINABILITY

USER NAME = mohamma	DESIGNED MM	REVISED -
PLOT SCALE = 1,0000' / 1"	DRAWN MM	REVISED -
PLOT DATE = 5/3/2016	CHECKED KA	REVISED -
	DATE 5/6/2016	REVISED -

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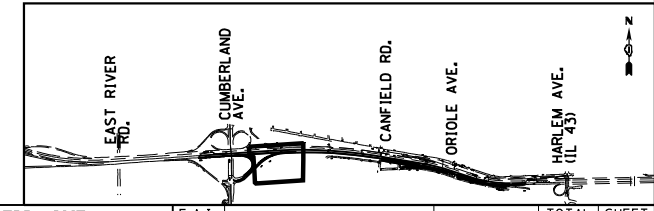


NOTE:
 1) CONTINUE PAVEMENT STRIPING FROM EARLIER STAGE. NO NEW PAVEMENT MARKING IS INSTALLED ALONG MAINLINE DURING THIS STAGE ON THIS SHEET EXCEPT WHERE CALLED OUT ON PLANS.

MAINTENANCE OF TRAFFIC LEGEND

	WORK AREA		EXISTING TRAFFIC DIRECTION		FLASHING MONO-DIRECTIONAL LIGHT	①	PVT MK - LINE 4" WHITE	⑦	PVT MK - LINE 12" WHITE
	TEMPORARY PAVEMENT (CURRENT STAGE)		PROPOSED TRAFFIC DIRECTION		ARROW BOARD	②	PVT MK - LINE 4" YELLOW	⑧	PVT MK - LINE 24" WHITE
	TEMPORARY PAVEMENT (PREVIOUS STAGES)		BARRICADE, TYPE III, W/ FLASHING MONO-DIRECTIONAL LIGHTS		VERTICAL PANEL WITH STEADY BURN MONO-DIRECTIONAL LIGHT	③	PVT MK - DBL 4" YELLOW	⑨	PVT MK - LTRS & SYMB
	TEMPORARY CONCRETE BARRIER		TYPE II BARRICADE OR DRUM W/ STEADY BURN MONO-DIRECTIONAL LIGHT (SPACING AS NOTED)		TEMPORARY SIGN SUPPORT	④	PVT MK - LINE 5" WHITE	E	EXIST PVT MK
						⑤	PVT MK - LINE 6" WHITE	W	WET REF TEM TAPE T3
						⑥	PVT MK - LINE 8" WHITE	P	PERM PVT MK

MOT-1B-4



exp U.S. Services Inc.
 Chicago, IL
 BUILDINGS, EARTH & ENVIRONMENT ENERGY
 INDUSTRIAL INFRASTRUCTURE SUSTAINABILITY

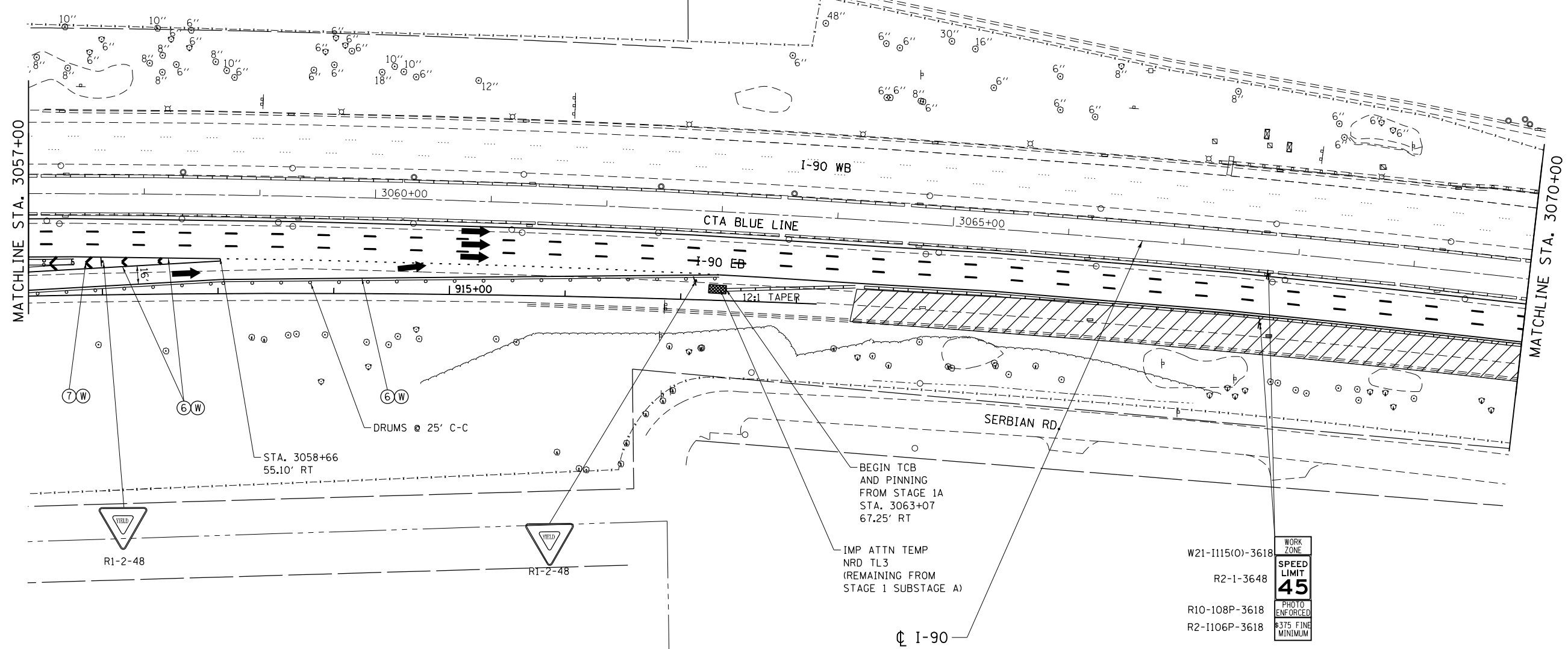
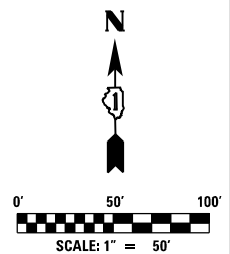
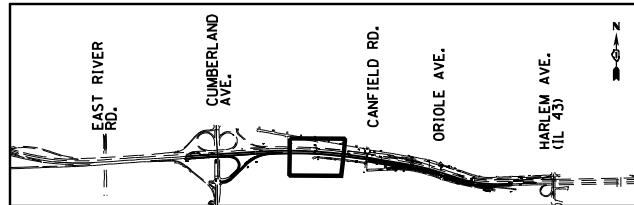
USER NAME = mohamma	DESIGNED MM	REVISED -
DRAWN MM	REVISOR -	
PLOT SCALE = 1,000' / 1" =	CHECKED KA	REVISOR -
PLOT DATE = 5/3/2016	DATE 5/6/2016	REVISOR -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**I-90 EASTBOUND FROM CUMBERLAND AVE TO HARLEM AVE
 SUGGESTED STAGING AND TRAFFIC CONTROL
 STAGE 1 SUB STAGE B**

SCALE: 1" = 50' SHEET NO. 4 OF 9 SHEETS STA. 3032+00 TO STA. 3057+00

F.A.I. RTE. 90	SECTION (1517 & 1415) R-3	COUNTY COOK	TOTAL SHEETS 557	SHEET NO. 127
CONTRACT NO. 60Y38			ILLINOIS FED. AID PROJECT	



W21-1115(0)-3618
 R2-1-3648
 R10-108P-3618
 R2-1106P-3618

WORK ZONE
 SPEED LIMIT
45
 PHOTO ENFORCED
 #375 FINE MINIMUM

BEGIN TCB AND PINNING FROM STAGE 1A STA. 3063+07 67.25' RT
 IMP ATTN TEMP NRD TL3 (REMAINING FROM STAGE 1 SUBSTAGE A)

STA. 3058+66
 55.10' RT

DRUMS @ 25' C-C

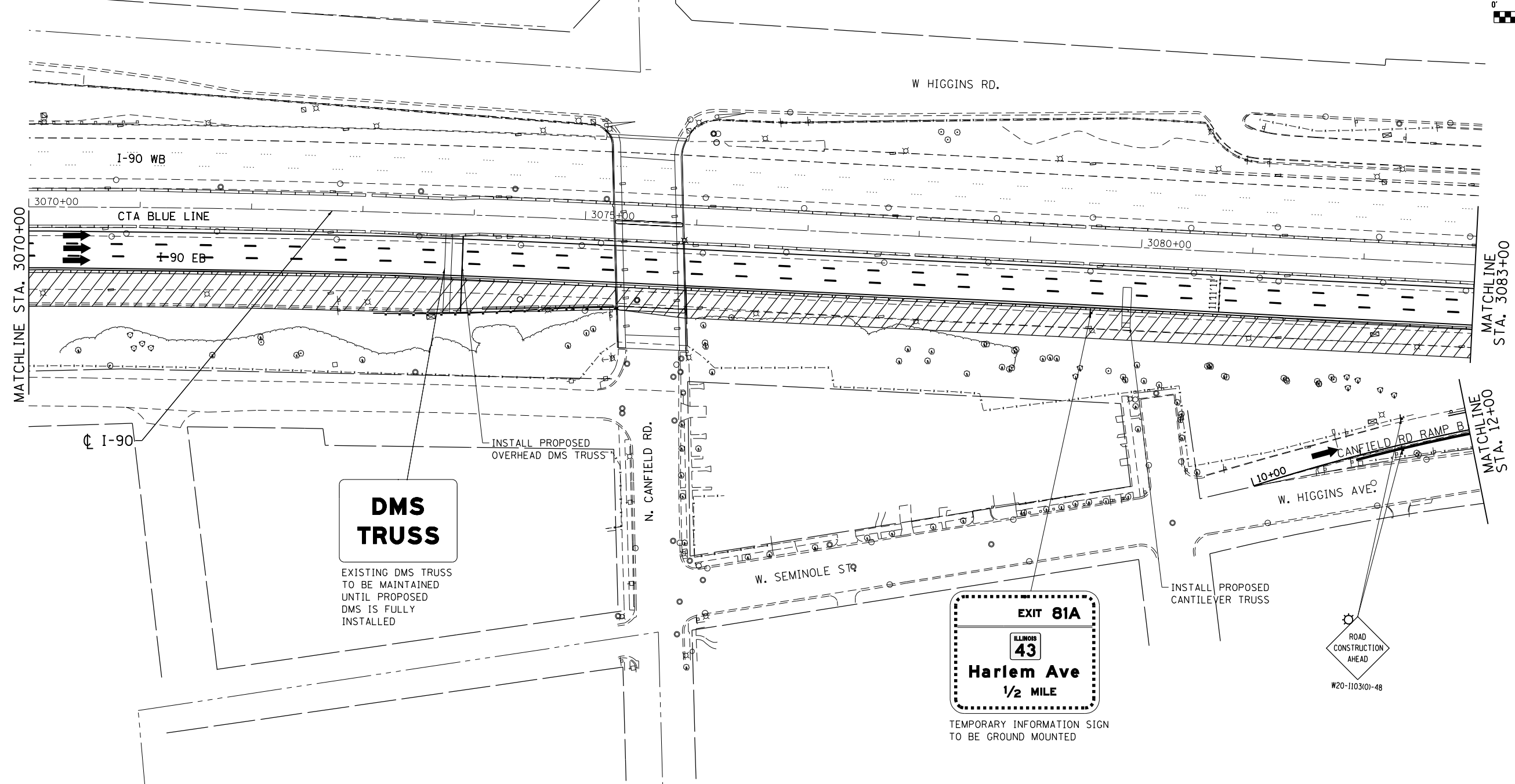
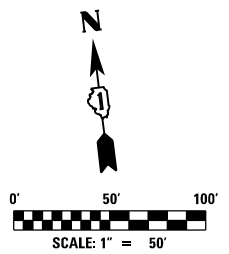
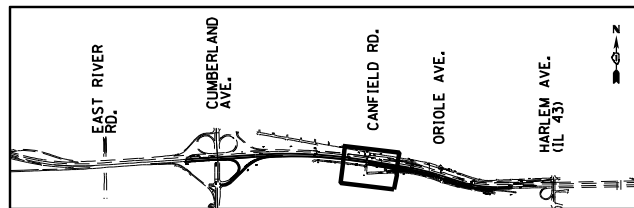
☉ I-90

NOTE:

1) CONTINUE PAVEMENT STRIPING FROM EARLIER STAGE. NO NEW PAVEMENT MARKING IS INSTALLED DURING THIS STAGE ON THIS SHEET EXCEPT WHERE CALLED OUT ON PLANS.

MAINTENANCE OF TRAFFIC LEGEND

	WORK AREA		EXISTING TRAFFIC DIRECTION		FLASHING MONO-DIRECTIONAL LIGHT	①	PVT MK - LINE 4" WHITE	⑦	PVT MK - LINE 12" WHITE
	TEMPORARY PAVEMENT (CURRENT STAGE)		PROPOSED TRAFFIC DIRECTION		ARROW BOARD	②	PVT MK - LINE 4" YELLOW	⑧	PVT MK - LINE 24" WHITE
	TEMPORARY PAVEMENT (PREVIOUS STAGES)		BARRICADE, TYPE III, W/ FLASHING MONO-DIRECTIONAL LIGHTS		VERTICAL PANEL WITH STEADY BURN MONO-DIRECTIONAL LIGHT	③	PVT MK - DBL 4" YELLOW	⑨	PVT MK - LTRS & SYMB
	TEMPORARY CONCRETE BARRIER		TYPE II BARRICADE OR DRUM W/ STEADY BURN MONO-DIRECTIONAL LIGHT (SPACING AS NOTED)		TEMPORARY SIGN SUPPORT	④	PVT MK - LINE 5" WHITE	E	EXIST PVT MK
						⑤	PVT MK - LINE 6" WHITE	W	WET REF TEM TAPE T3
						⑥	PVT MK - LINE 8" WHITE	P	PERM PVT MK



MAINTENANCE OF TRAFFIC LEGEND

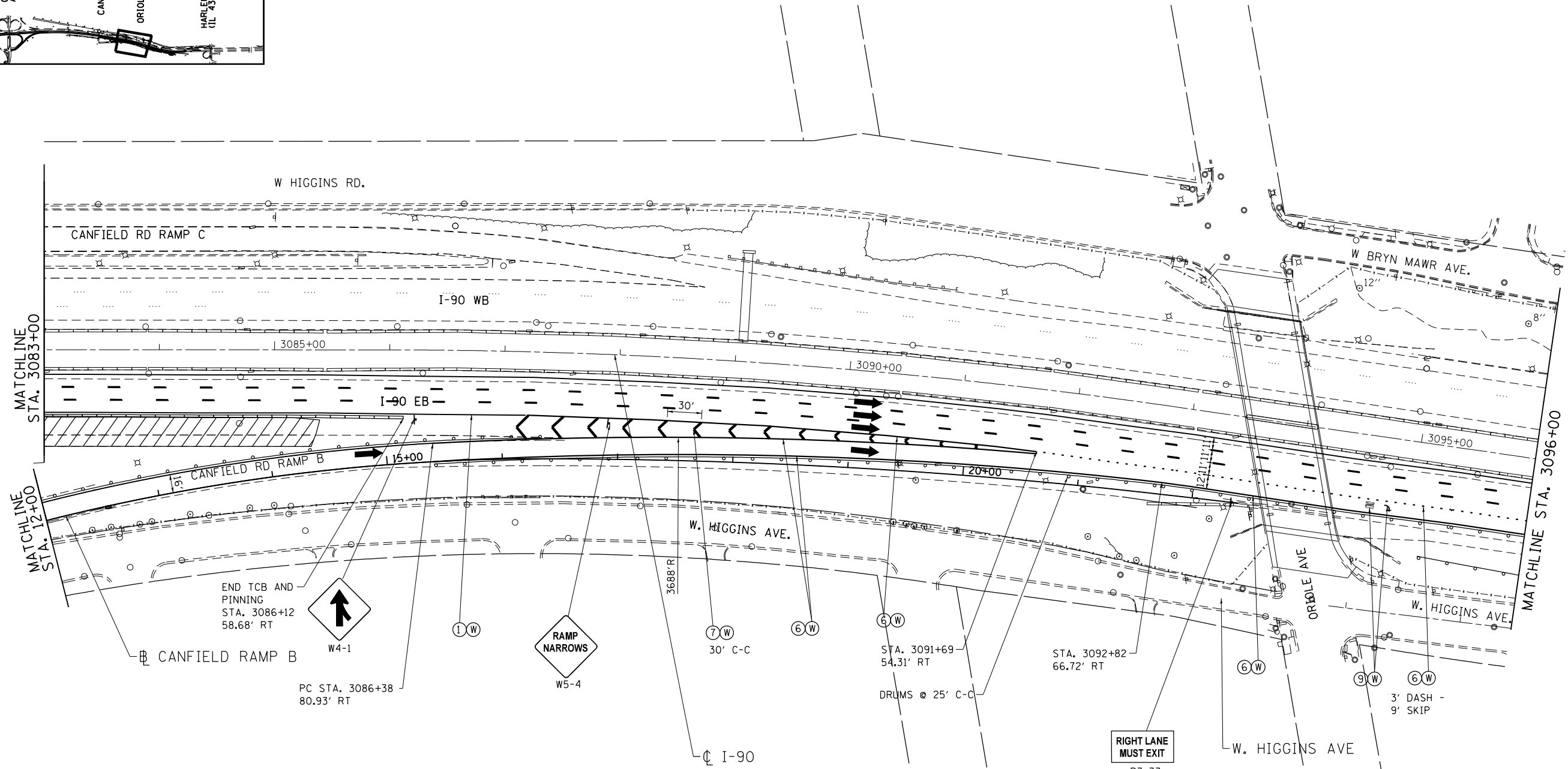
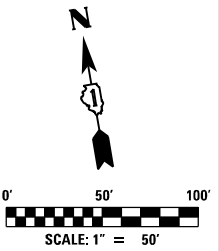
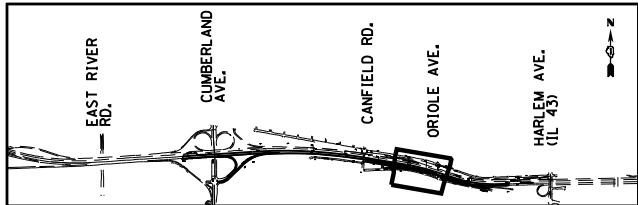
	WORK AREA		EXISTING TRAFFIC DIRECTION		FLASHING MONO-DIRECTIONAL LIGHT	①	PVT MK - LINE 4" WHITE	⑦	PVT MK - LINE 12" WHITE
	TEMPORARY PAVEMENT (CURRENT STAGE)		PROPOSED TRAFFIC DIRECTION		ARROW BOARD	②	PVT MK - LINE 4" YELLOW	⑧	PVT MK - LINE 24" WHITE
	TEMPORARY PAVEMENT (PREVIOUS STAGES)		BARRICADE, TYPE III, W/ FLASHING MONO-DIRECTIONAL LIGHTS		VERTICAL PANEL WITH STEADY BURN MONO-DIRECTIONAL LIGHT	③	PVT MK - DBL 4" YELLOW	⑨	PVT MK - LTRS & SYMB
	TEMPORARY CONCRETE BARRIER		TYPE II BARRICADE OR DRUM W/ STEADY BURN MONO-DIRECTIONAL LIGHT (SPACING AS NOTED)		TEMPORARY SIGN SUPPORT	④	PVT MK - LINE 5" WHITE	E	EXIST PVT MK
						⑤	PVT MK - LINE 6" WHITE	W	WET REF TEM TAPE T3
						⑥	PVT MK - LINE 8" WHITE	P	PERM PVT MK

NOTES:

- 1) CONTINUE PAVEMENT STRIPING FROM EARLIER STAGE. NO NEW PAVEMENT MARKING IS INSTALLED DURING THIS STAGE ON THIS SHEET EXCEPT WHERE CALLED OUT ON PLANS.
- 2) EMERGENCY PULL OUT SHALL BE RELOCATED TO AN ADJACENT LOCATION, APPROVED BY THE ENGINEER TO COMPLETE STAGE 1 WORK. RELOCATION OF TEMPORARY BARRIER WILL BE PAID AT THE CONTRACT UNIT PRICE FOR "RELOCATE TEMPORARY CONCRETE BARRIER".

USER NAME = mohamma	DESIGNED MM	REVISED -
PLOT SCALE = 1:8000' / 1"	DRAWN MM	REVISED -
PLOT DATE = 5/3/2016	CHECKED KA	REVISED -
	DATE 5/6/2016	REVISED -

F.A.I. RTE. 90	SECTION (1517 & 1415) R-3	COUNTY COOK	TOTAL SHEETS 557	SHEET NO. 129
				CONTRACT NO. 60Y38
ILLINOIS FED. AID PROJECT				



MAINTENANCE OF TRAFFIC LEGEND

	WORK AREA		EXISTING TRAFFIC DIRECTION		FLASHING MONO-DIRECTIONAL LIGHT	①	PVT MK - LINE 4" WHITE	⑦	PVT MK - LINE 12" WHITE
	TEMPORARY PAVEMENT (CURRENT STAGE)		PROPOSED TRAFFIC DIRECTION		ARROW BOARD	②	PVT MK - LINE 4" YELLOW	⑧	PVT MK - LINE 24" WHITE
	TEMPORARY PAVEMENT (PREVIOUS STAGES)		BARRICADE, TYPE III, W/ FLASHING MONO-DIRECTIONAL LIGHTS		VERTICAL PANEL WITH STEADY BURN MONO-DIRECTIONAL LIGHT	③	PVT MK - DBL 4" YELLOW	⑨	PVT MK - LTRS & SYMB
	TEMPORARY CONCRETE BARRIER		TYPE II BARRICADE OR DRUM W/ STEADY BURN MONO-DIRECTIONAL LIGHT (SPACING AS NOTED)		TEMPORARY SIGN SUPPORT	④	PVT MK - LINE 5" WHITE	E	EXIST PVT MK
						⑤	PVT MK - LINE 6" WHITE	W	WET REF TEM TAPE T3
						⑥	PVT MK - LINE 8" WHITE	P	PERM PVT MK

exp U.S. Services Inc.
Chicago, IL
BUILDINGS EARTH & ENVIRONMENT ENERGY
INDUSTRIAL INFRASTRUCTURE SUSTAINABILITY

USER NAME = mohamma	DESIGNED MM	REVISED -
PLOT SCALE = 1,0000' / 1"	DRAWN MM	REVISED -
PLOT DATE = 5/3/2016	CHECKED KA	REVISED -
	DATE 5/6/2016	REVISED -

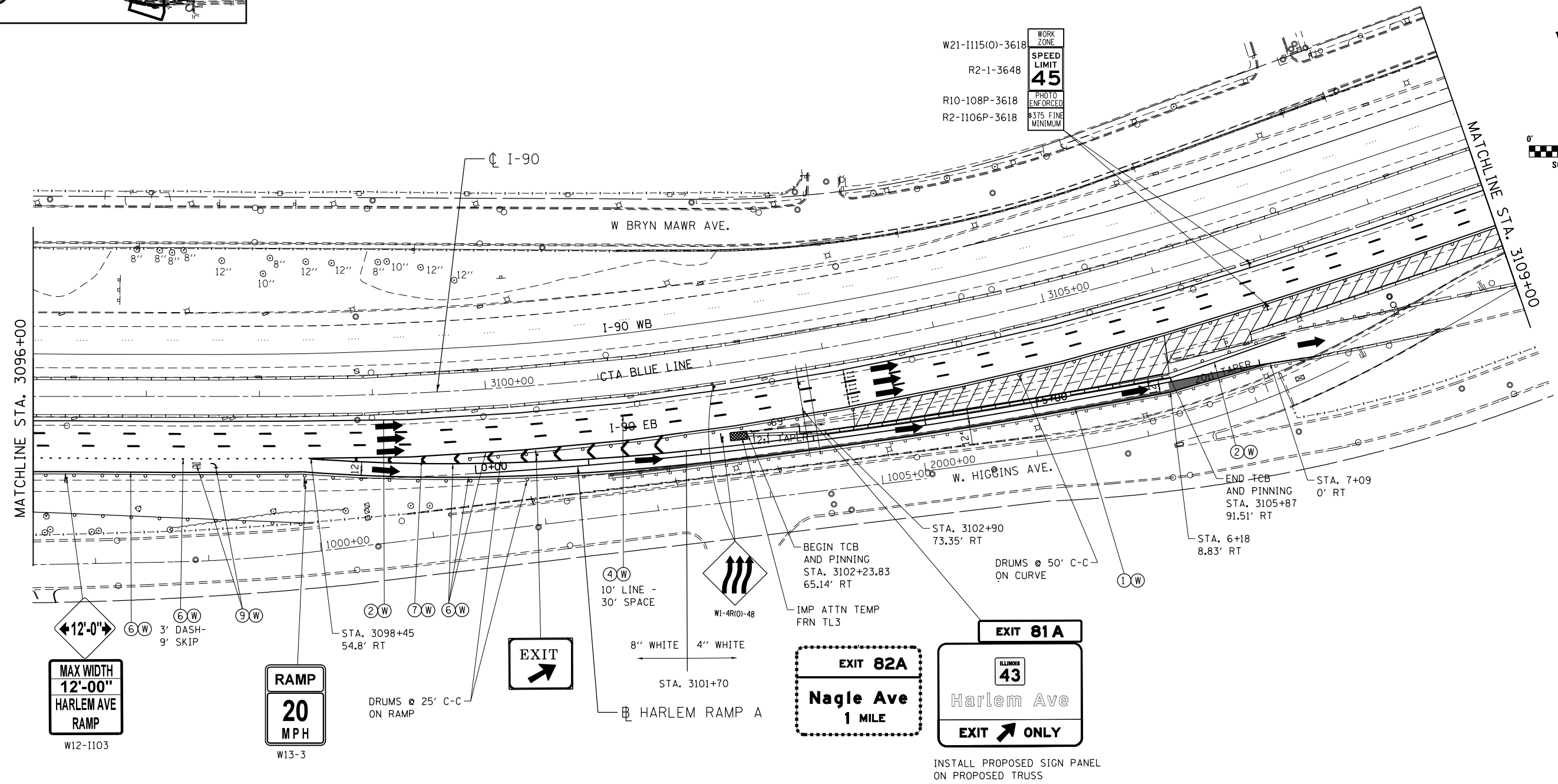
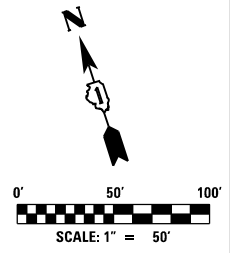
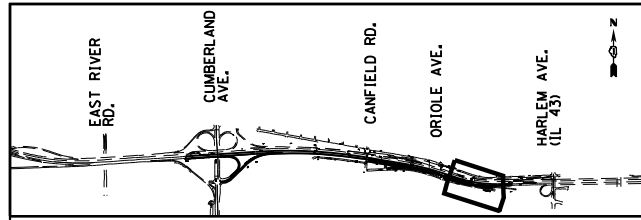
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-90 EASTBOUND FROM CUMBERLAND AVE TO HARLEM AVE
SUGGESTED STAGING AND TRAFFIC CONTROL
STAGE 1 SUB STAGE B**

SCALE: 1" = 50' SHEET NO. 7 OF 9 SHEETS STA. 3083+00 TO STA. 3109+00

F.A.I. RTE. 90	SECTION (1517 & 1415) R-3	COUNTY COOK	TOTAL SHEETS 557	SHEET NO. 130
				CONTRACT NO. 60Y38
ILLINOIS FED. AID PROJECT				

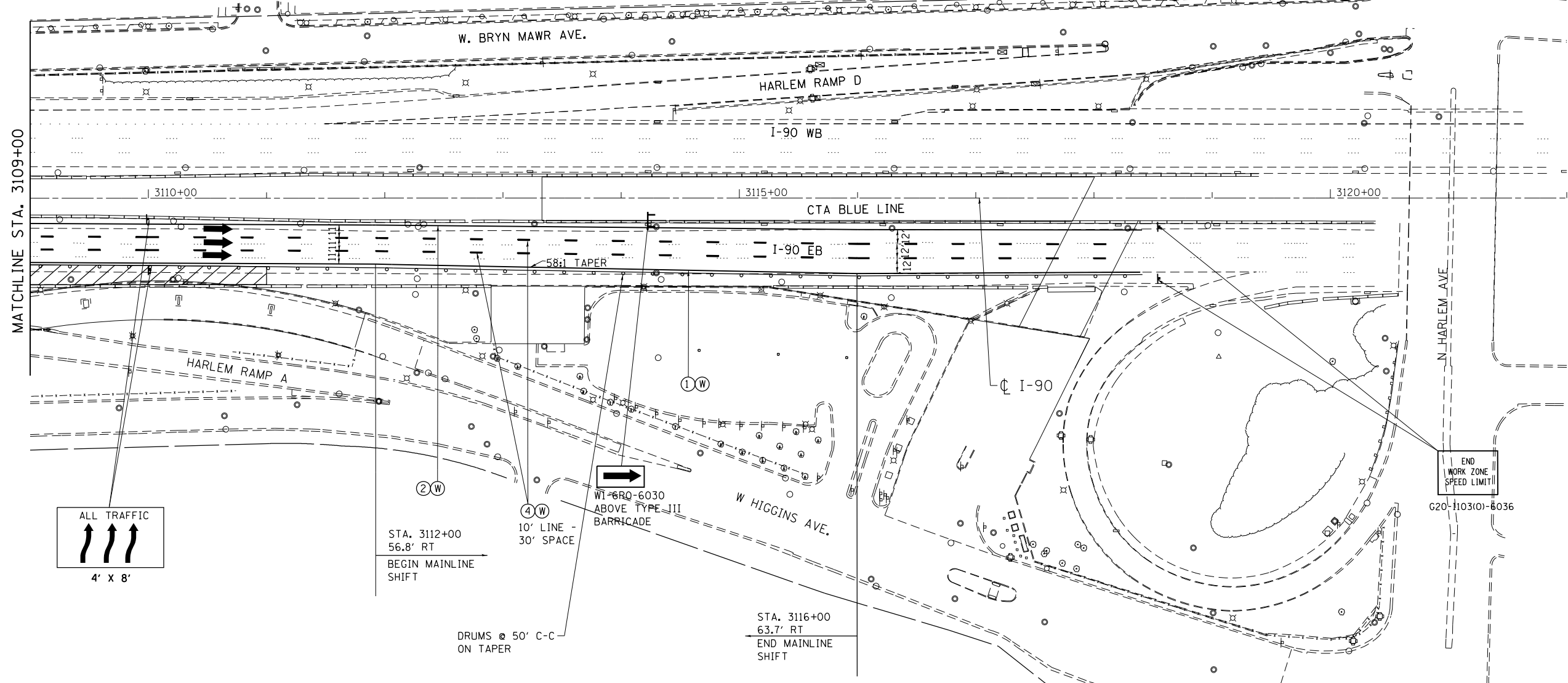
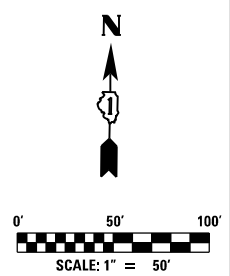
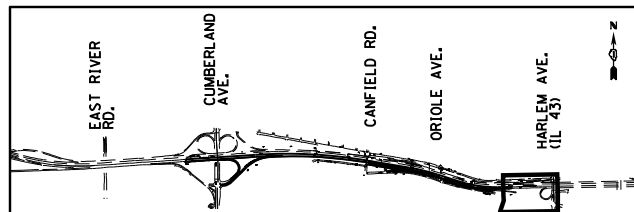
MOT-1B-7



- NOTES:**
- 1) CONSTRUCT EB OUTSIDE SHOULDER NOT PROTECTED BY TEMPORARY BARRIER WALL BY UTILIZING THE TEMPORARY LANE CLOSURE DURING THE HOURS ALLOWED AS SPECIFIED IN SPECIAL PROVISION "KEEPING THE EXPRESSWAYS OPEN TO TRAFFIC".
 - 2) CONTRACTOR SHALL MAINTAIN THE DIFFERENTIAL GRADE OF LESS THAN 12" AT ALL TIMES DURING CONSTRUCTION WHEN THE ADJACENT LANE IS OPEN TO TRAFFIC.

MAINTENANCE OF TRAFFIC LEGEND

	WORK AREA		EXISTING TRAFFIC DIRECTION		FLASHING MONO-DIRECTIONAL LIGHT	①	PVT MK - LINE 4" WHITE	⑦	PVT MK - LINE 12" WHITE
	TEMPORARY PAVEMENT (CURRENT STAGE)		PROPOSED TRAFFIC DIRECTION		ARROW BOARD	②	PVT MK - LINE 4" YELLOW	⑧	PVT MK - LINE 24" WHITE
	TEMPORARY PAVEMENT (PREVIOUS STAGES)		BARRICADE, TYPE III, W/ FLASHING MONO-DIRECTIONAL LIGHTS		VERTICAL PANEL WITH STEADY BURN MONO-DIRECTIONAL LIGHT	③	PVT MK - DBL 4" YELLOW	⑨	PVT MK - LTRS & SYMB
	TEMPORARY CONCRETE BARRIER		TYPE II BARRICADE OR DRUM W/ STEADY BURN MONO-DIRECTIONAL LIGHT (SPACING AS NOTED)		TEMPORARY SIGN SUPPORT	④	PVT MK - LINE 5" WHITE	Ⓔ	EXIST PVT MK
						⑤	PVT MK - LINE 6" WHITE	Ⓜ	WET REF TEM TAPE T3
						⑥	PVT MK - LINE 8" WHITE	Ⓟ	PERM PVT MK



NOTES:

- 1) CONSTRUCT EB OUTSIDE SHOULDER NOT PROTECTED BY TEMPORARY BARRIER WALL BY UTILIZING THE TEMPORARY LANE CLOSURE DURING THE HOURS ALLOWED AS SPECIFIED IN SPECIAL PROVISION "KEEPING THE EXPRESSWAYS OPEN TO TRAFFIC".
- 2) CONTRACTOR SHALL MAINTAIN THE DIFFERENTIAL GRADE OF LESS THAN 12" AT ALL TIMES DURING CONSTRUCTION WHEN THE ADJACENT LANE IS OPEN TO TRAFFIC.

MAINTENANCE OF TRAFFIC LEGEND

	WORK AREA		EXISTING TRAFFIC DIRECTION		FLASHING MONO-DIRECTIONAL LIGHT	①	PVT MK - LINE 4" WHITE	⑦	PVT MK - LINE 12" WHITE
	TEMPORARY PAVEMENT (CURRENT STAGE)		PROPOSED TRAFFIC DIRECTION		ARROW BOARD	②	PVT MK - LINE 4" YELLOW	⑧	PVT MK - LINE 24" WHITE
	TEMPORARY PAVEMENT (PREVIOUS STAGES)		BARRICADE, TYPE III, W/ FLASHING MONO-DIRECTIONAL LIGHTS		VERTICAL PANEL WITH STEADY BURN MONO-DIRECTIONAL LIGHT	③	PVT MK - DBL 4" YELLOW	⑨	PVT MK - LTRS & SYMB
	TEMPORARY CONCRETE BARRIER		TYPE II BARRICADE OR DRUM W/ STEADY BURN MONO-DIRECTIONAL LIGHT (SPACING AS NOTED)		TEMPORARY SIGN SUPPORT	④	PVT MK - LINE 5" WHITE	E	EXIST PVT MK
						⑤	PVT MK - LINE 6" WHITE	W	WET REF TEM TAPE T3
						⑥	PVT MK - LINE 8" WHITE	P	PERM PVT MK

exp U.S. Services Inc.
Chicago, IL
BUILDINGS, EARTH & ENVIRONMENT ENERGY
INDUSTRIAL INFRASTRUCTURE SUSTAINABILITY

USER NAME = mohamma
DESIGNED MM
DRAWN MM
CHECKED KA
DATE 5/6/2016
PLOT SCALE = 1,0000' / 1" =
PLOT DATE = 5/3/2016

DESIGNED MM
DRAWN MM
CHECKED KA
DATE 5/6/2016

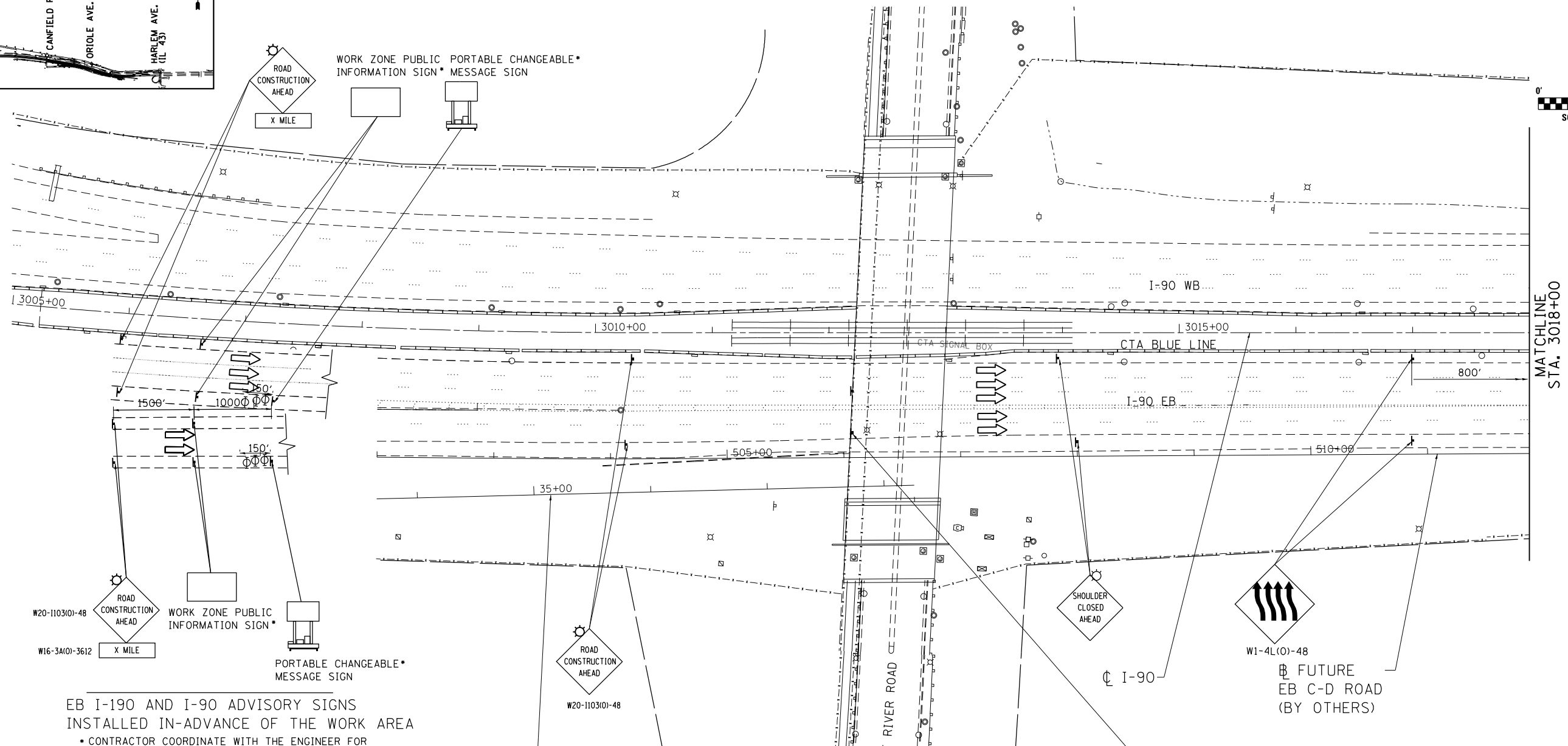
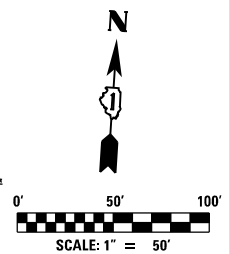
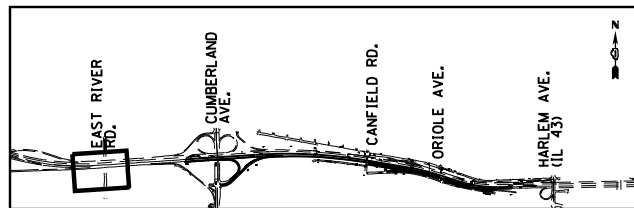
REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-90 EASTBOUND FROM CUMBERLAND AVE TO HARLEM AVE
SUGGESTED STAGING AND TRAFFIC CONTROL
STAGE 1 SUB STAGE B**
SCALE: 1" = 50' SHEET NO. 9 OF 9 SHEETS STA. 3109+00 TO STA. 3111+00

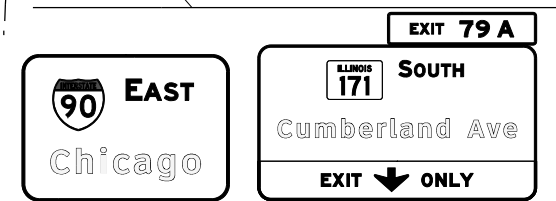
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	(1517 & 1415) R-3	COOK	557	132
CONTRACT NO. 60Y38				
ILLINOIS FED. AID PROJECT				

MOT-1B-9



EB I-190 AND I-90 ADVISORY SIGNS
 INSTALLED IN-ADVANCE OF THE WORK AREA
 • CONTRACTOR COORDINATE WITH THE ENGINEER FOR
 PROPER MESSAGE DISPLAYS

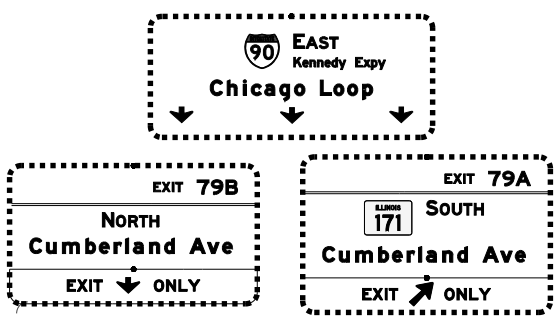
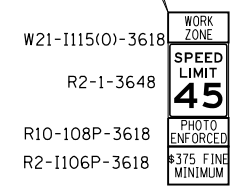
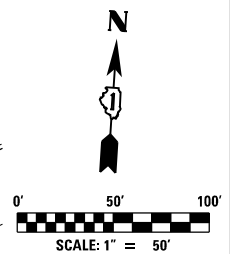
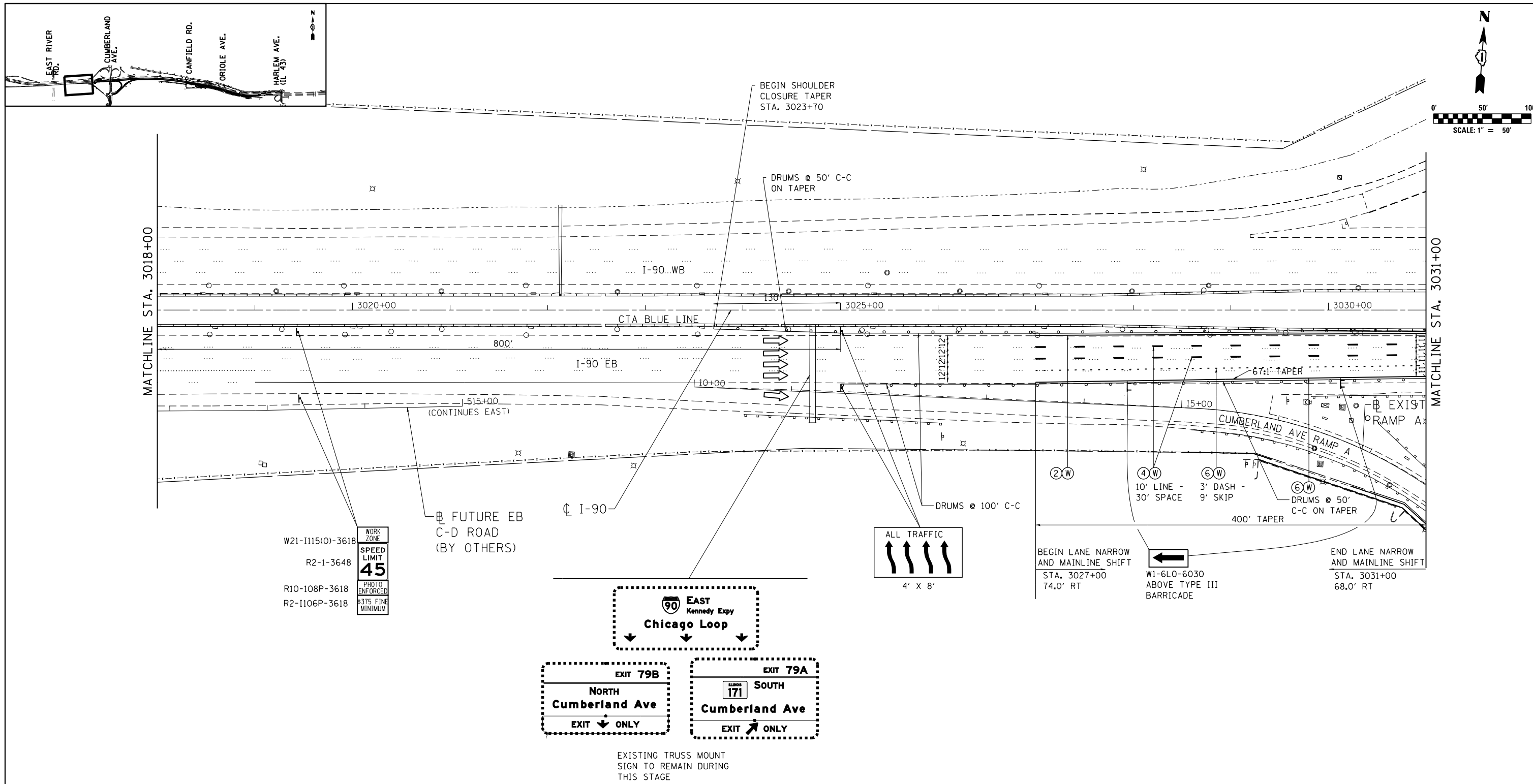
Ⓜ FUTURE
 FLYOVER RAMP
 (BY OTHERS)



EXISTING BRIDGE MOUNT
 SIGN TO REMAIN DURING
 THIS STAGE

MAINTENANCE OF TRAFFIC LEGEND

	WORK AREA		EXISTING TRAFFIC DIRECTION		FLASHING MONO-DIRECTIONAL LIGHT	①	PVT MK - LINE 4" WHITE	⑦	PVT MK - LINE 12" WHITE
	TEMPORARY PAVEMENT (CURRENT STAGE)		PROPOSED TRAFFIC DIRECTION		ARROW BOARD	②	PVT MK - LINE 4" YELLOW	⑧	PVT MK - LINE 24" WHITE
	TEMPORARY PAVEMENT (PREVIOUS STAGES)		BARRICADE, TYPE III, W/ FLASHING MONO-DIRECTIONAL LIGHTS		VERTICAL PANEL WITH STEADY BURN MONO-DIRECTIONAL LIGHT	③	PVT MK - DBL 4" YELLOW	⑨	PVT MK - LTRS & SYMB
	TEMPORARY CONCRETE BARRIER		TYPE II BARRICADE OR DRUM W/ STEADY BURN MONO-DIRECTIONAL LIGHT (SPACING AS NOTED)		TEMPORARY SIGN SUPPORT	④	PVT MK - LINE 5" WHITE	E	EXIST PVT MK
						⑤	PVT MK - LINE 6" WHITE	W	WET REF TEM TAPE T3
						⑥	PVT MK - LINE 8" WHITE	P	PERM PVT MK



EXISTING TRUSS MOUNT SIGN TO REMAIN DURING THIS STAGE

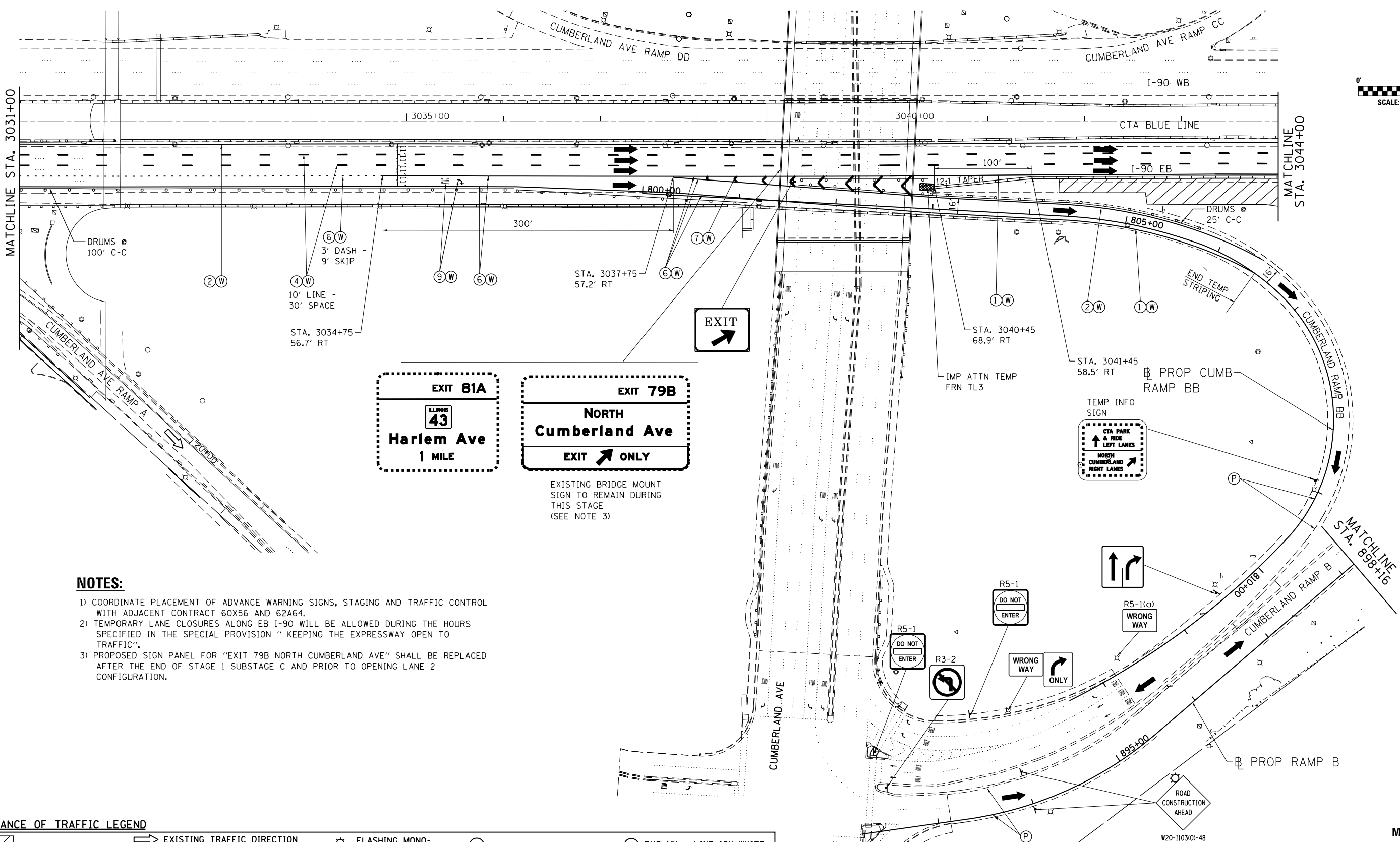
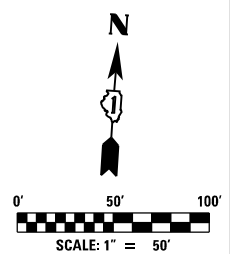
MAINTENANCE OF TRAFFIC LEGEND

	WORK AREA		EXISTING TRAFFIC DIRECTION		FLASHING MONO-DIRECTIONAL LIGHT ARROW BOARD		PVT MK - LINE 4" WHITE		PVT MK - LINE 12" WHITE
	TEMPORARY PAVEMENT (CURRENT STAGE)		PROPOSED TRAFFIC DIRECTION				PVT MK - LINE 4" YELLOW		PVT MK - LINE 24" WHITE
	TEMPORARY PAVEMENT (PREVIOUS STAGES)		BARRICADE, TYPE III, W/ FLASHING MONO-DIRECTIONAL LIGHTS		VERTICAL PANEL WITH STEADY BURN MONO-DIRECTIONAL LIGHT		PVT MK - DBL 4" YELLOW		PVT MK - LTRS & SYMB
	TEMPORARY CONCRETE BARRIER		TYPE II BARRICADE OR DRUM W/ STEADY BURN MONO-DIRECTIONAL LIGHT (SPACING AS NOTED)		TEMPORARY SIGN SUPPORT		PVT MK - LINE 5" WHITE		EXIST PVT MK
							PVT MK - LINE 6" WHITE		WET REF TEM TAPE T3
							PVT MK - LINE 8" WHITE		PERM PVT MK

MOT-1C-2

exp U.S. Services Inc. Chicago, IL BUILDINGS EARTH & ENVIRONMENT ENERGY INDUSTRIAL INFRASTRUCTURE SUSTAINABILITY	USER NAME = mohamma	DESIGNED MM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-90 EASTBOUND FROM CUMBERLAND AVE TO HARLEM AVE SUGGESTED STAGING AND TRAFFIC CONTROL STAGE 1 SUB STAGE C			F.A.I. RTE. 90	SECTION (1517 & 1415) R-3	COUNTY COOK	TOTAL SHEETS 557	SHEET NO. 134
	PLOT SCALE = 1,0000' / 1in.	CHECKED KA	REVISED -		SCALE: 1" = 50'	SHEET NO. 2 OF 4 SHEETS	STA. 3005+00 TO STA. 3031+00	CONTRACT NO. 60Y38				
	PLOT DATE = 5/3/2016	DATE 5/6/2016	REVISED -		ILLINOIS FED. AID PROJECT							

FILE NAME = D160Y38-shr-staging 1-Sub Stage C-02.dgn



NOTES:

- 1) COORDINATE PLACEMENT OF ADVANCE WARNING SIGNS, STAGING AND TRAFFIC CONTROL WITH ADJACENT CONTRACT 60X56 AND 62A64.
- 2) TEMPORARY LANE CLOSURES ALONG EB I-90 WILL BE ALLOWED DURING THE HOURS SPECIFIED IN THE SPECIAL PROVISION "KEEPING THE EXPRESSWAY OPEN TO TRAFFIC".
- 3) PROPOSED SIGN PANEL FOR "EXIT 79B NORTH CUMBERLAND AVE" SHALL BE REPLACED AFTER THE END OF STAGE 1 SUBSTAGE C AND PRIOR TO OPENING LANE 2 CONFIGURATION.

MAINTENANCE OF TRAFFIC LEGEND

	WORK AREA		EXISTING TRAFFIC DIRECTION		FLASHING MONO-DIRECTIONAL LIGHT		PVT MK - LINE 4" WHITE		PVT MK - LINE 12" WHITE
	TEMPORARY PAVEMENT (CURRENT STAGE)		PROPOSED TRAFFIC DIRECTION		VERTICAL PANEL WITH STEADY BURN MONO-DIRECTIONAL LIGHT		PVT MK - LINE 4" YELLOW		PVT MK - LINE 24" WHITE
	TEMPORARY PAVEMENT (PREVIOUS STAGES)		BARRICADE, TYPE III, W/ FLASHING MONO-DIRECTIONAL LIGHTS		TYPE II BARRICADE OR DRUM W/ STEADY BURN MONO-DIRECTIONAL LIGHT (SPACING AS NOTED)		PVT MK - DBL 4" YELLOW		PVT MK - LTRS & SYMB
	TEMPORARY CONCRETE BARRIER		TYPE I BARRICADE OR DRUM W/ STEADY BURN MONO-DIRECTIONAL LIGHT		TEMPORARY SIGN SUPPORT		PVT MK - LINE 5" WHITE		EXIST PVT MK
							PVT MK - LINE 6" WHITE		WET REF TEM TAPE T3
							PVT MK - LINE 8" WHITE		PERM PVT MK

exp U.S. Services Inc.
Chicago, IL
BUILDINGS, EARTH & ENVIRONMENT ENERGY
INDUSTRIAL INFRASTRUCTURE SUSTAINABILITY

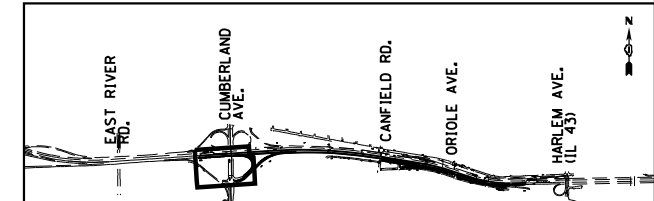
USER NAME = mohamma	DESIGNED MM	REVISED -
PLOT SCALE = 1,0000' / 1in.	DRAWN MM	REVISED -
PLOT DATE = 5/3/2016	CHECKED KA	REVISED -
	DATE 5/6/2016	REVISED -

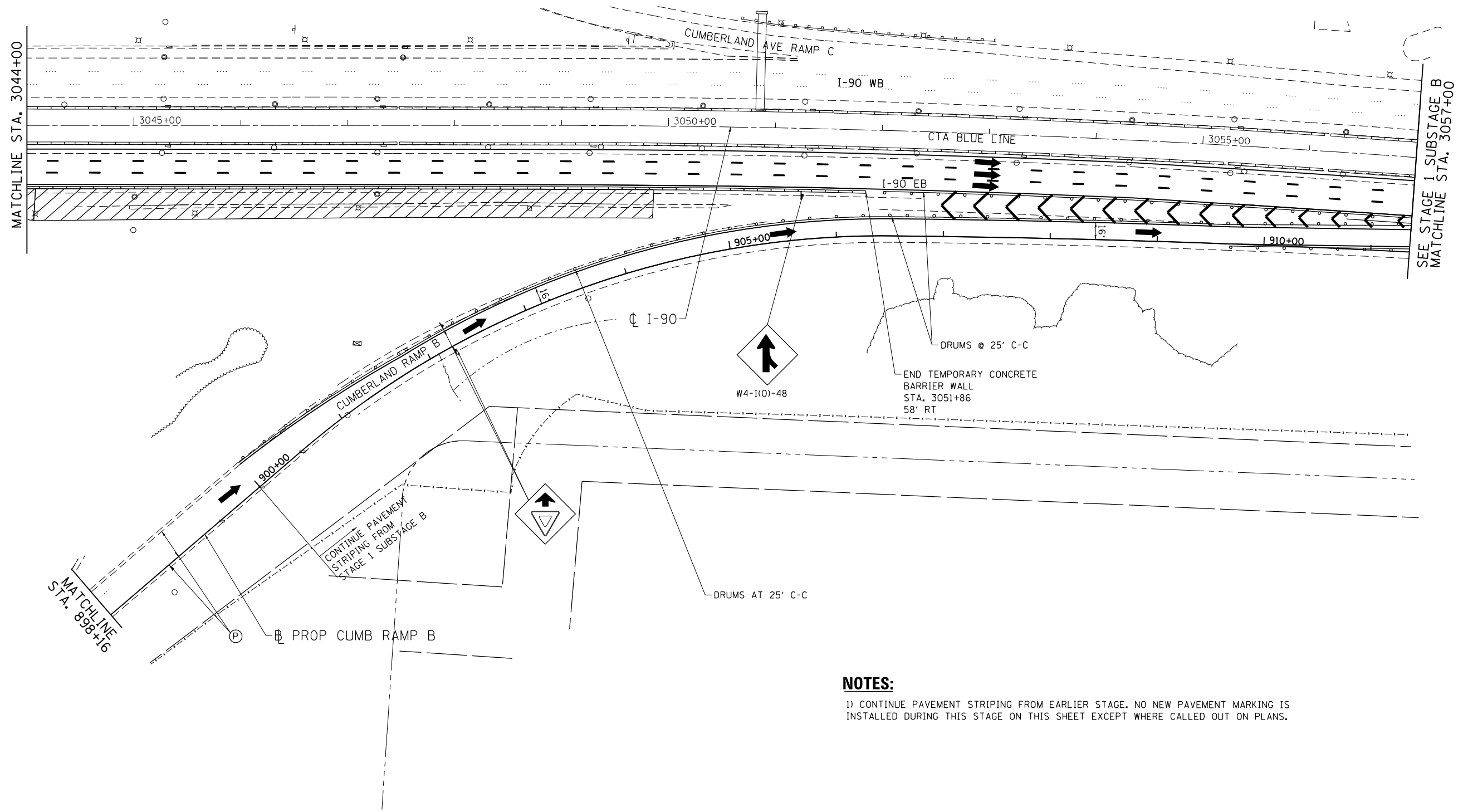
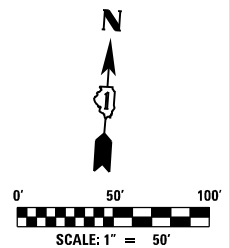
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-90 EASTBOUND FROM CUMBERLAND AVE TO HARLEM AVE
SUGGESTED STAGING AND TRAFFIC CONTROL
STAGE 1 SUB STAGE C**

SCALE: 1" = 50' SHEET NO. 3 OF 4 SHEETS STA. 3032+00 TO STA. 3037+00

F.A.I. RTE. 90	SECTION (1517 & 1415) R-3	COUNTY COOK	TOTAL SHEETS 557	SHEET NO. 135
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60Y38	

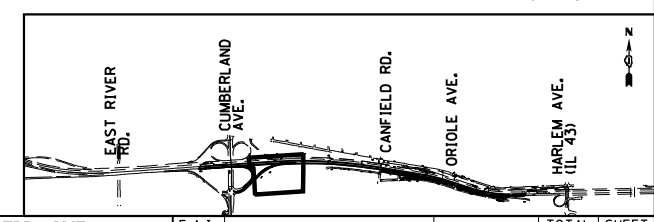




NOTES:
 1) CONTINUE PAVEMENT STRIPING FROM EARLIER STAGE. NO NEW PAVEMENT MARKING IS INSTALLED DURING THIS STAGE ON THIS SHEET EXCEPT WHERE CALLED OUT ON PLANS.

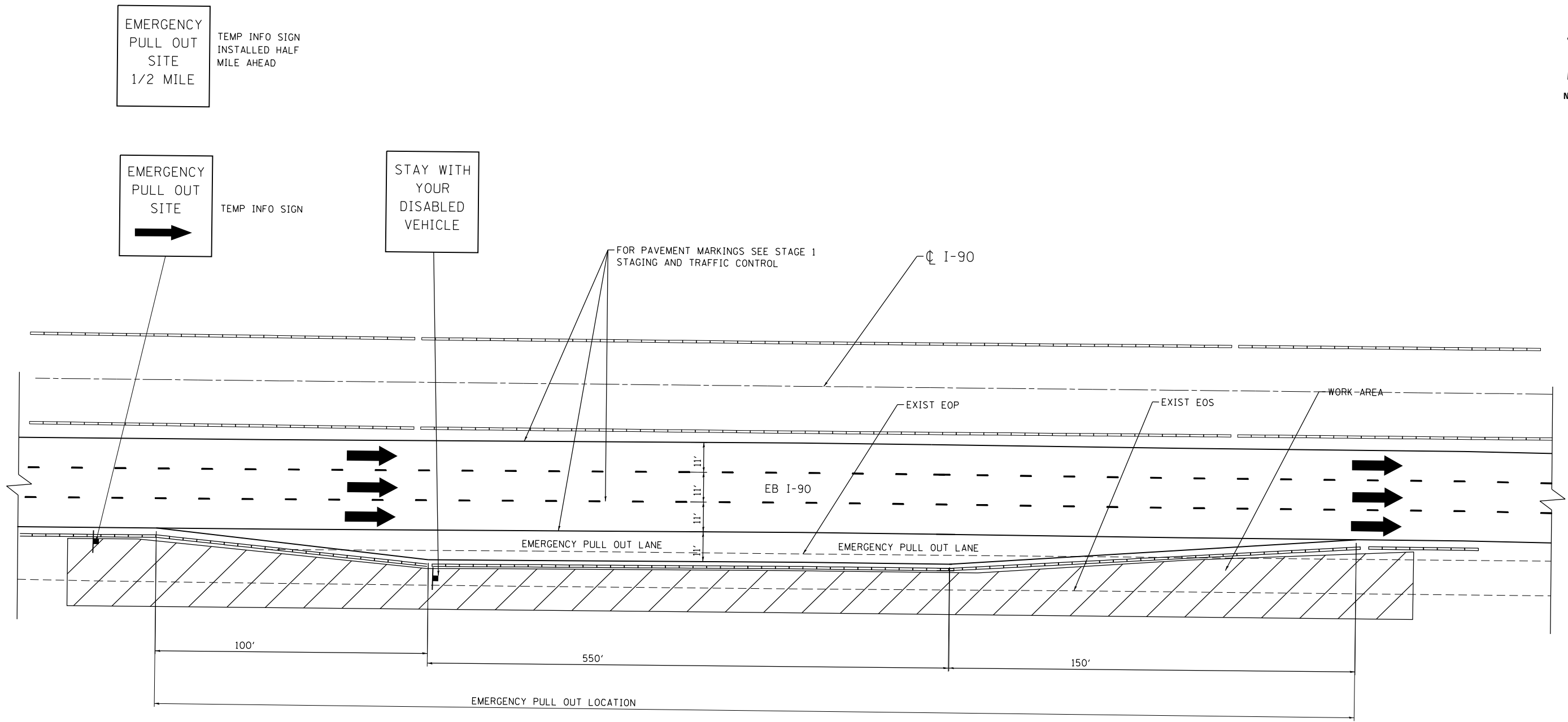
MAINTENANCE OF TRAFFIC LEGEND

	WORK AREA		EXISTING TRAFFIC DIRECTION		FLASHING MONO-DIRECTIONAL LIGHT	①	PVT MK - LINE 4" WHITE	⑦	PVT MK - LINE 12" WHITE
	TEMPORARY PAVEMENT (CURRENT STAGE)		PROPOSED TRAFFIC DIRECTION		ARROW BOARD	②	PVT MK - LINE 4" YELLOW	⑧	PVT MK - LINE 24" WHITE
	TEMPORARY PAVEMENT (PREVIOUS STAGES)		BARRICADE, TYPE III, W/ FLASHING MONO-DIRECTIONAL LIGHTS		VERTICAL PANEL WITH STEADY BURN MONO-DIRECTIONAL LIGHT	③	PVT MK - DBL 4" YELLOW	⑨	PVT MK - LTRS & SYMB
	TEMPORARY CONCRETE BARRIER		TYPE II BARRICADE OR DRUM W/ STEADY BURN MONO-DIRECTIONAL LIGHT (SPACING AS NOTED)		TEMPORARY SIGN SUPPORT	④	PVT MK - LINE 5" WHITE	E	EXIST PVT MK
						⑤	PVT MK - LINE 6" WHITE	W	WET REF TEM TAPE T3
						⑥	PVT MK - LINE 8" WHITE	P	PERM PVT MK



MOT-1C-4

FILE NAME = D160Y38-shr-staging 1-Sub Stage C-04.dgn



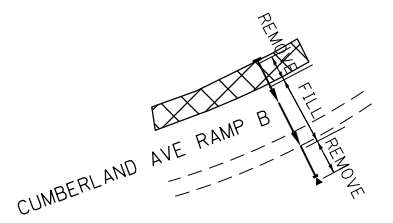
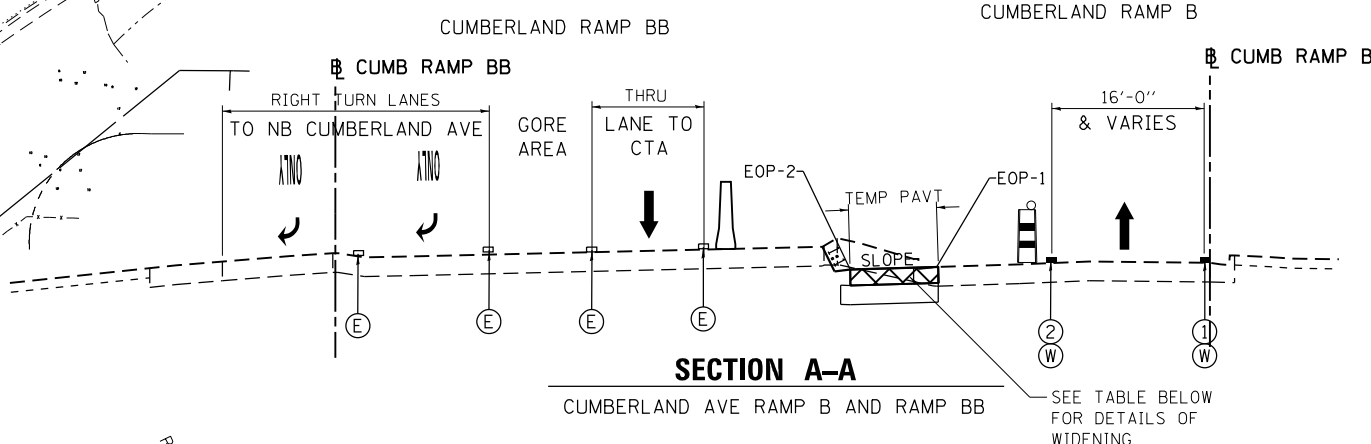
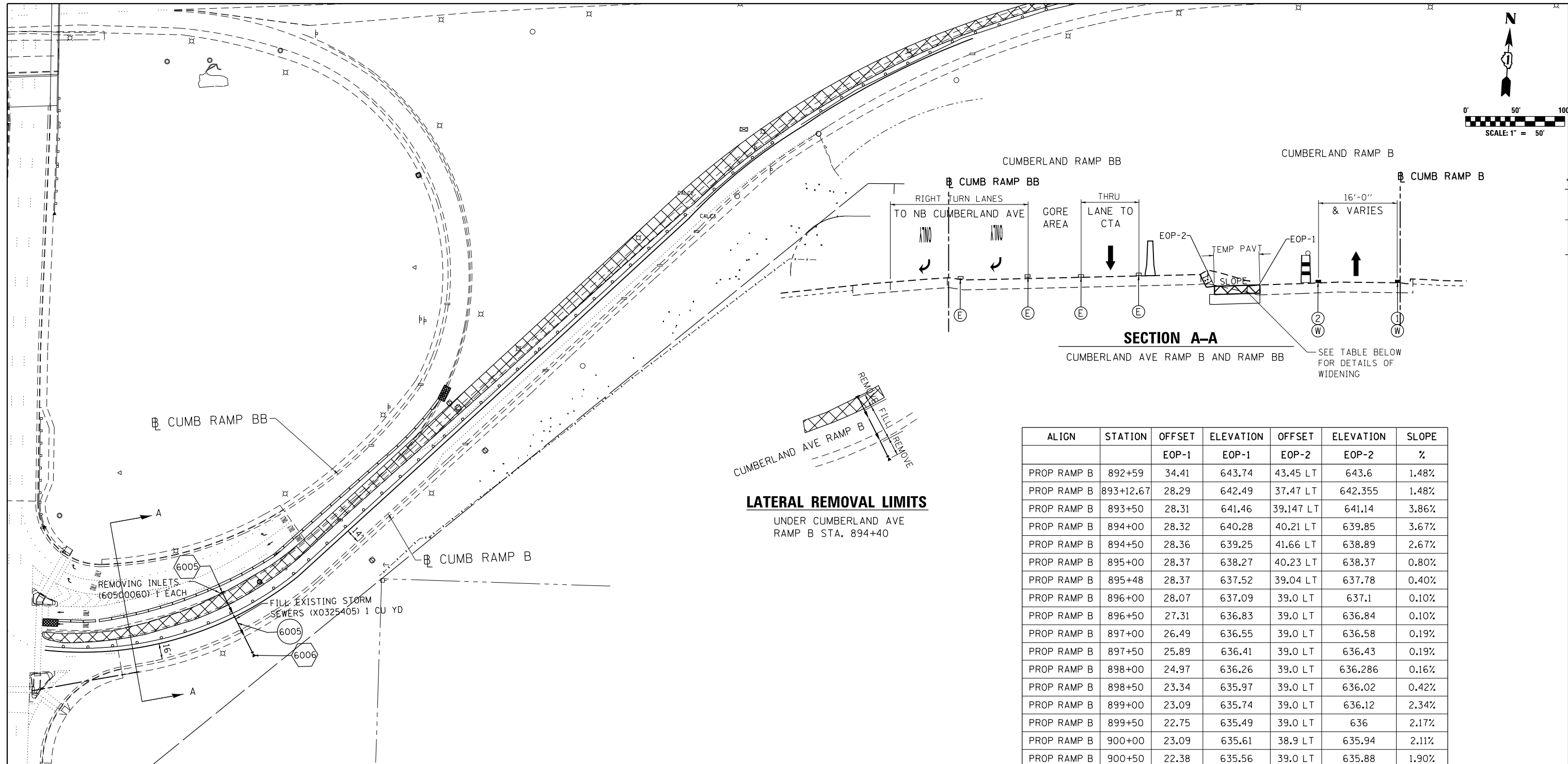
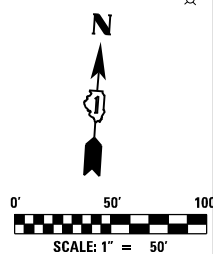
**EMERGENCY PULL OUT
ROADWAY PLAN
STAGE 1**

NOTES:

- 1) EMERGENCY PULL OUTS INSTALLED DURING STAGE 1 CONSTRUCTION SHALL BE LOCATED AS SHOWN ON THE PLANS AND SHALL BE APPROVED BY THE ENGINEER.
- 2) EMERGENCY PULL OUT SHALL BE RELOCATED TO AN ADJACENT LOCATION, APPROVED BY THE ENGINEER TO COMPLETE STAGE 1 WORK. RELOCATION OF THE TEMPORARY CONCRETE BARRIER WILL BE PAID AT THE CONTRACT UNIT PRICE FOR "RELOCATE TEMPORARY CONCRETE BARRIER"
- 3) ALL EMERGENCY PULL OUT SIGNS WILL BE PAID AT THE CONTRACT UNIT PRICE FOR "TEMPORARY INFORMATION SIGNS"
- 4) THE COST OF TRAFFIC CONTROL REQUIRED FOR THE INSTALLATION AND RELOCATION OF EMERGENCY PULL OUTS AND WILL NOT BE PAID SEPARATELY AND SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR "TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)"

MOT-DTL-1

exp U.S. Services Inc. CHICAGO, IL BUILDINGS EARTH & ENVIRONMENT ENERGY INDUSTRIAL INFRASTRUCTURE SUSTAINABILITY	USER NAME = mohammed	DESIGNED MM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-90 EASTBOUND FROM CUMBERLAND AVE TO HARLEM AVE SUGGESTED STAGING AND TRAFFIC CONTROL EMERGENCY PULL OUT DETAIL			F.A.I. RTE. 90	SECTION (1517 & 1415) R-3	COUNTY COOK	TOTAL SHEETS 557	SHEET NO. 137	
	PLOT SCALE = 1,0000' / 1" =	CHECKED	REVISED -		SCALE: N.T.S.	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	CONTRACT NO. 60Y38					
	PLOT DATE = 5/3/2016	DATE 5/6/2016	REVISED -		ILLINOIS FED. AID PROJECT								
	FILE NAME = D160Y38-shr-staging Detail-01.dgn												



ALIGN	STATION	OFFSET	ELEVATION	OFFSET	ELEVATION	SLOPE
		EOP-1	EOP-1	EOP-2	EOP-2	%
PROP RAMP B	892+59	34.41	643.74	43.45 LT	643.6	1.48%
PROP RAMP B	893+12.67	28.29	642.49	37.47 LT	642.355	1.48%
PROP RAMP B	893+50	28.31	641.46	39.147 LT	641.14	3.86%
PROP RAMP B	894+00	28.32	640.28	40.21 LT	639.85	3.67%
PROP RAMP B	894+50	28.36	639.25	41.66 LT	638.89	2.67%
PROP RAMP B	895+00	28.37	638.27	40.23 LT	638.37	0.80%
PROP RAMP B	895+48	28.37	637.52	39.04 LT	637.78	0.40%
PROP RAMP B	896+00	28.07	637.09	39.0 LT	637.1	0.10%
PROP RAMP B	896+50	27.31	636.83	39.0 LT	636.84	0.10%
PROP RAMP B	897+00	26.49	636.55	39.0 LT	636.58	0.19%
PROP RAMP B	897+50	25.89	636.41	39.0 LT	636.43	0.19%
PROP RAMP B	898+00	24.97	636.26	39.0 LT	636.286	0.16%
PROP RAMP B	898+50	23.34	635.97	39.0 LT	636.02	0.42%
PROP RAMP B	899+00	23.09	635.74	39.0 LT	636.12	2.34%
PROP RAMP B	899+50	22.75	635.49	39.0 LT	636	2.17%
PROP RAMP B	900+00	23.09	635.61	38.9 LT	635.94	2.11%
PROP RAMP B	900+50	22.38	635.56	39.0 LT	635.88	1.90%
PROP RAMP B	901+00	22.47	635.92	39.0 LT	636.04	0.69%

TEMPORARY WIDENING DETAIL
CUMBERLAND AVE RAMP B AND RAMP BB

NOTES:

- 1) CONSTRUCT TEMPORARY WIDENING ALONG CUMBERLAND RAMP B WITHIN THE MEDIAN AS SHOWN ON THIS SHEET.
- 2) CONSTRUCT TEMPORARY CULVERT AT STA. 894+40 UNDER RAMP B BY OPEN CUT USING DISTRICT ONE DETAIL TC-17 PARTIAL RAMP CLOSURE DURING THE ALLOWABLE HOURS SPECIFIED IN "KEEPING THE EXPRESSWAY OPEN TO TRAFFIC".
- 3) AT THE END OF STAGE 1 DURING CONSTRUCTION, FILL TEMPORARY CULVERT AT STA. 894+40 FOR THE PORTION UNDERNEATH THE PROPOSED RAMP PAVEMENT FROM OFFSET 27.93' LT TO 7.90' RT FOR A LENGTH OF 36.25 FEET AND REMOVE THE REMAINDER OF THE PIPE. THE COST FOR REMOVAL OF THE TEMPORARY STORM SEWER PIPE WILL NOT BE PAID SEPARATELY BUT WILL BE INCLUDED IN PAYITEM "PIPE CULVERT, CLASS A, TYPE 1, 12" (TEMPORARY)". THE COST OF FILLING WILL BE PAID AS SEPARATE AND INCLUDED IN PAYITEM "FILL EXISTING STORM SEWER".

LEGEND

- TEMPORARY PAVEMENT
- PROPOSED TRAFFIC DIRECTION
- TEMPORARY CONCRETE BARRIER
- DRUMS WITH STEADY BURN MONO-DIRECTIONAL LIGHT
- PVT MK - LINE 4" WHITE
- PVT MK - LINE 4" YELLOW
- EXISTING PAVEMENT MARKING
- WET REF TEM TAPE T3

SIGN DETAIL
1:100

SIGN NUMBER	name
WIDTH x HGHT.	13'-0" x 15'-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
MI-I100A-2-32-1BD		43	85.8	54	48

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

LETTER POSITIONS (X)											LENGTH	SERIESIZE	
E	X	I	T	S	1	A							
66.8	75.7	86.4	89.9	107.4	122.1	129.1						77.7	E 2000
													10,15
H	a	r	l	e	m	A	v	e					EM 2000
19	32	44.7	53.6	59.7	71.3	84.5	96.5	112.7	124.3				16,129
12	M	I	L	E									E 2000
36.6	75	89.4	94.7	105.7									18,12

SIGN DETAIL
1:100

SIGN NUMBER	name
WIDTH x HGHT.	17'-6" x 12'-6"
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
MI-I100A-2-32-1BD		44.8	56.3	54	48
AR_Type A	315	150.1	17.7	22.1	35

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

LETTER POSITIONS (X)											LENGTH	SERIESIZE	
E	X	I	T	S	1	A							
117.9	126.8	137.5	141	158.5	173.2	180.2							E 2000
													10,15
H	a	r	l	e	m	A	v	e					EM 2000
20.8	33.8	46.5	55.4	61.5	73.1	86.3	98.3	114.5	126.1				16,129

SIGN DETAIL
1:100

SIGN NUMBER	name
WIDTH x HGHT.	13'-0" x 15'-6"
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
MI-I100A-2-32-1BD		44.6	87.8	54	48

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

LETTER POSITIONS (X)											LENGTH	SERIESIZE		
E	X	I	T	S	2	A								
63.9	72.8	83.5	87	104.5	118.8	132.6							E 2000	
													84	10,15
N	a	g	l	e	A	v	e						EM 2000	
20.6	36.6	48.2	60.9	67	85	101.1	112.8						16,129	
1	M	I	L	E									E 2000	
38.2	55.6	70	75.3	86.3									18,12	

SIGN DETAIL
1:100

SIGN NUMBER	name
WIDTH x HGHT.	13'-6" x 10'-6"
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	0.7	12.9	72.7	22.1	35
AR_Type A	315	121.6	20.1	22.1	35

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

LETTER POSITIONS (X)											LENGTH	SERIESIZE		
C	T	A	P	A	R	K								
42.2	51.5	59.7	69.8	79.8	88.7	100.6	110.8						EM 2000	
													10	76.8
&	R	I	D	E									EM 2000	
56	65	75	85.2	90	100.5								10	51.9
L	E	F	T	L	A	N	E	S					EM 2000	
37.1	46.1	55.6	64.1	71.5	81.5	89.5	101.4	112.3	121.5				10	92.5
N	O	R	T	H									EM 2000	
39.6	50.1	60.9	70.1	79.3									10	47.8
C	U	M	B	E	R	L	A	N	D				EM 2000	
16.2	26.5	37.4	49.5	59.8	69.3	79.5	87.5	99.4	110.3				10	102.2
R	I	G	H	T	L	A	N	E	S				EM 2000	
17.5	27.7	32.1	42.6	52.5	59.9	69.9	77.9	89.8	100.9				10	100.5

SIGN DETAIL
1:100

SIGN NUMBER	name
WIDTH x HGHT.	9'-0" x 6'-6"
BORDER WIDTH	0.63"
CORNER RADIUS	1.13"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective COLOR: White
LEGEND/BORDER	TYPE: Reflective COLOR: Black/Black

SYMBOL	ROT	X	Y	WID	HT

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

LETTER POSITIONS (X)													LENGTH	SERIESIZE				
N	O		L	E	F	T		T	U	R	N					67	6	EM 2000
18.9	25.2	30.3	36.3	41.7	47.4	52.5	56.9	62.9	68.4	75	81.1							
T	O		H	I	G	G	I	N	S		A	V	E					
15.6	20.9	26	32	38.5	41.1	47.2	53.5	56.4	62.7	67.6	73.6	80.1	86.7					
E	X	C	E	P	T		A	C	C	E	S	S		T	O			
8.4	13.7	19.9	26.1	31.8	37.1	41.6	47.6	54.5	60.4	66.6	72.1	78.3	83.1	89.1	94.4			
C	T	A		B	U	S		T	E	R	M	I	N	A	L			
8.7	14.2	19.2	25.2	31.2	37.4	43.8	48.6	54.6	60.1	65.8	72	79.2	82.1	88	95.2			
A	N	D																
41.6	48.7	55.3																
P	A	R	K		N		R	I	D	E		L	O	T				
9.8	15.1	22.3	28.4	33.3	39.3	44.2	50.2	56.3	59.2	65.5	69.9	75.9	81.1	87				

SIGN DETAIL
1:100

SIGN NUMBER	name
WIDTH x HGHT.	9'-0" x 6'-6"
BORDER WIDTH	0.63"
CORNER RADIUS	1.13"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective COLOR: White
LEGEND/BORDER	TYPE: Reflective COLOR: Black/Black

SYMBOL	ROT	X	Y	WID	HT

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

LETTER POSITIONS (X)													LENGTH	SERIESIZE				
N	O		R	I	G	H	T		T	U	R	N						
18.9	25.2	30.3	36.3	42.4	45	51.3	57.3	61.7	67.7	73.2	79.8	85.9						
T	O		H	I	G	G	I	N	S		A	V	E					
15.6	20.9	26	32	38.5	41.1	47.2	53.5	56.4	62.7	67.6	73.6	80.1	86.7					
E	X	C	E	P	T		A	C	C	E	S	S		T	O			
8.4	13.7	19.9	26.1	31.8	37.1	41.6	47.6	54.5	60.4	66.6	72.1	78.3	83.1	89.1	94.4			
C	T	A		B	U	S		T	E	R	M	I	N	A	L			
8.7	14.2	19.2	25.2	31.2	37.4	43.8	48.6	54.6	60.1	65.8	72	79.2	82.1	88	95.2			
A	N	D																
41.6	48.7	55.3																
P	A	R	K		N		R	I	D	E		L	O	T				
9.8	15.1	22.3	28.4	33.3	39.3	44.2	50.2	56.3	59.2	65.5	69.9	75.9	81.1	87				

SIGN DETAIL
1:100

SIGN NUMBER	name
WIDTH x HGHT.	7'-6" x 5'-6"
BORDER WIDTH	0.63"
CORNER RADIUS	1.5"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective COLOR: Orange
LEGEND/BORDER	TYPE: Reflective COLOR: Black/Black

SYMBOL	ROT	X	Y	WID	HT

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

LETTER POSITIONS (X)													LENGTH	SERIESIZE				
E	B		I	-	9	0		R	A	M	P							
16.4	22.1	26.9	32.9	35.1	38	44.1	49.1	55.1	60.6	67.8	75							
C	L	O	S	E	D		A	T										
21.6	27.8	32.9	39.2	45.6	51.3	56.1	62.1	68.7										
W		S	E	M	I	N	O	L	E		S	T						
6.7	13	19	25.4	31.1	38.4	41.2	47.5	54	59.4	63.9	69.9	75.6						
F	O	L	L	O	W		D	E	T	O	U	R						
8	13.5	20	25.4	30.5	36.4	42.8	48.8	55.1	60.2	65.4	71.9	78.5						

SIGN DETAIL
1:100

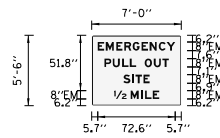
SIGN NUMBER	name
WIDTH x HGHT.	9'-0" x 5'-6"
BORDER WIDTH	0.63"
CORNER RADIUS	1.13"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective COLOR: White
LEGEND/BORDER	TYPE: Reflective COLOR: Black/Black

SYMBOL	ROT	X	Y	WID	HT

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

LETTER POSITIONS (X)													LENGTH	SERIESIZE				
H	I	G	G	I	N	S		A	V	E								
21.4	27.9	30.6	36.6	42.9	45.8	52.2	57	63	69.6	76.2								
A	C	C	E	S	S		O	P	E	N		T	O					
12.6	19.5	25.5	31.7	37.2	43.4	48.2	54.2	60.7	66.6	72.3	77.2	83.2	88.5					
C	T	A		B	U	S		T	E	R	M	I	N	A	L			
8.5	14.1	19	25.1	31.1	37.3	43.6	48.5	54.5	60	65.7	71.8	79.1	82	87.9	95			
A	N	D																
41.8	49	55.5																
P	A	R	K		N		R	I	D	E		L	O	T				
11.9	17.3	24.4	30.5	35.4	41.4	46.3	52.3	58.4	61.3	67.6	72	78	83.2	89.1				

SIGN DETAIL
1:100



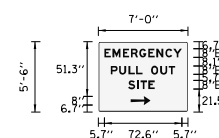
SIGN NUMBER	name
WIDTH x HGHT.	7'-0" x 5'-6"
BORDER WIDTH	0.63"
CORNER RADIUS	1.13"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective COLOR: White
LEGEND/BORDER	TYPE: Reflective COLOR: Black/Black

SYMBOL	ROT	X	Y	WID	HT

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

LETTER POSITIONS (X)										LENGTH	SERIESIZE
E	M	E	R	G	E	N	C	Y			EM 2000
5.7	18.3	23	30.6	38.4	46.8	54.4	62.8	70.2			72.6 8
P	U	L	L		O	U	T				EM 2000
11.9	19.8	28.5	35.7	41.6	49.6	58.3	66.2				60.3 8
S	I	T	E								EM 2000
29.6	38.1	41.1	48.5								24.8 8
12	M	I	L	E							EM 2000
20.8	36.5	46.2	50.1	57.3							42.4 8

SIGN DETAIL
1:100



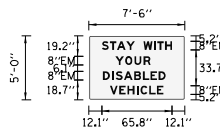
SIGN NUMBER	name
WIDTH x HGHT.	7'-0" x 5'-6"
BORDER WIDTH	0.63"
CORNER RADIUS	1.13"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective COLOR: White
LEGEND/BORDER	TYPE: Reflective COLOR: Black/Black

SYMBOL	ROT	X	Y	WID	HT
AR_Type A - E2504	0	60.4	6.7	8	18.3

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

LETTER POSITIONS (X)										LENGTH	SERIESIZE
E	M	E	R	G	E	N	C	Y			EM 2000
5.7	18.3	23	30.6	38.4	46.8	54.4	62.8	70.2			72.6 8
P	U	L	L		O	U	T				EM 2000
11.6	19.5	28.2	35.4	41.3	49.3	58	65.9				60.2 8
S	I	T	E								EM 2000
28	36.5	39.5	46.9								24.8 8

SIGN DETAIL
1:100



SIGN NUMBER	name
WIDTH x HGHT.	7'-6" x 5'-0"
BORDER WIDTH	0.63"
CORNER RADIUS	1.13"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective COLOR: White
LEGEND/BORDER	TYPE: Reflective COLOR: Black/Black

SYMBOL	ROT	X	Y	WID	HT

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

LETTER POSITIONS (X)										LENGTH	SERIESIZE
S	T	A	Y		W	I	T	H			EM 2000
12.1	19.8	26.3	35	43.1	51.1	61	64.1	71.4			65.8 8
Y	O	U	R								EM 2000
24.8	34	42.6	51.3								33 8
D	I	S	A	B	L	E	D				EM 2000
13.2	21.6	25.2	32.8	42.4	50.6	57.8	65.4				58.7 8
V	E	H	I	C	L	E					EM 2000
19.7	28.5	36.1	44.8	48.3	56.6	63.8					50 8

<p>exp U.S. Services Inc. Chicago, IL BUILDINGS EARTH & ENVIRONMENT ENERGY INDUSTRIAL INFRASTRUCTURE SUSTAINABILITY</p>	USER NAME = mohammed	DESIGNED MM	REVISED -
	PLOT SCALE = 1:10000 / 1/10"	DRAWN MM	REVISED -
	PLOT DATE = 5/3/2016	CHECKED KA	REVISED -
		DATE 5/6/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-90 EASTBOUND FROM CUMBERLAND AVE TO HARLEM AVE
SUGGESTED STAGING AND TRAFFIC CONTROL
TEMPORARY INFORMATION SIGN
SCALE: 1" = 50' SHEET NO. 3 OF 3 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	(1517 & 1415) R-3	COOK	557	141
CONTRACT NO. 60Y38				
ILLINOIS FED. AID PROJECT				

FILE NAME = D160Y38-shd-staging Temp-Info-Sign-03.dgn

EROSION CONTROL GENERAL NOTES

- THE CONTRACTOR SHALL BE REQUIRED TO INSTALL AND MAINTAIN SILT FENCE AS INDICATED ON THE PLAN PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES WHICH WILL POTENTIALLY CREATE EROSION CONDITIONS. THE CONSTRUCTION LIMITS MAY BE ADJUSTED BY THE ENGINEER TO PRESERVE TREES AND NO ADDITIONAL COST WILL BE PAID TO THE CONTRACT FOR CHANGED CONSTRUCTION LIMITS.
- PERIMETER EROSION BARRIER SHALL BE ERECTED ADJACENT TO THE CONSTRUCTION LIMITS AS INDICATED ON THE EROSION AND SEDIMENT CONTROL PLAN. THE RESIDENT ENGINEER SHALL MAKE THE FINAL DETERMINATION ON THE PLACEMENT AND LOCATION OF THE PERIMETER EROSION BARRIER. IN ADDITION TO THE LOCATIONS INDICATED ON THE PLAN, SILT FENCE SHALL BE PLACED AROUND THE PERIMETER OF THE EARTH STOCKPILES.
- A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON SITE. ALL CHANGES TO THE SOIL EROSION AND SEDIMENT CONTROL PLAN SHALL BE NOTED ON THE SITE PLAN.
- THE CONTRACTOR SHALL ERECT A TEMPORARY FENCE AROUND ALL TREES WITHIN THE CONSTRUCTION AREA TO ESTABLISH A TREE PROTECTION ZONE BEFORE ANY WORK BEGINS OR ANY MATERIAL IS DELIVERED TO THE JOBSITE. NO WORK IS TO BE PERFORMED (OTHER THAN ROOT PRUNING), MATERIALS STORED OR VEHICLES DRIVEN OR PARKED WITHIN THE TREE PROTECTION ZONE. REMOVE PROTECTIVE TEMPORARY FENCE ONLY AFTER ALL CONSTRUCTION WORK HAS BEEN COMPLETED. THE TEMPORARY FENCE SHALL REMAIN ERECT AND BE MAINTAINED DURING THE LENGTH OF CONSTRUCTION.
- SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF THE YEAR, SITE CONDITIONS AND THE USE OF TEMPORARY AND PERMANENT MEASURES.
- EXISTING CULVERTS WITHIN THE DISTURBED LIMIT SHALL BE PROTECTED PRIOR TO ANY CONSTRUCTION ACTIVITIES COMMENCING UPSTREAM.
- INLETS EXPOSED TO TRAFFIC, AND ALONG SHOULDER BARRIER WALL OR CURB & GUTTER WITHIN 4' OF STAGED TRAFFIC, WITH INLET FILTER PROTECTION SHALL HAVE FILTER BASKETS WITH OVERFLOW TO ALLOW FOR THE POSITIVE DRAINAGE OF WATER OFF THE ROADWAY. THESE INLET FILTERS SHALL BE INSPECTED AND CLEANED UTILIZING OFF-PEAK LANE CLOSURES AS APPROVED BY THE ENGINEER. THE COST OF TRAFFIC CONTROL FOR INSPECTION AND MAINTENANCE OF EROSION CONTROL SYSTEMS SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE UNIT BID PRICE FOR "TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)".
- ALL STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY AN APPROPRIATE SEDIMENT CONTROL MEASURE.
- THE CONTRACTOR SHALL CHECK ALL ESC MEASURES, INCLUDING BUT NOT LIMITED TO THE FOLLOWING, WEEKLY AND AFTER EACH RAINFALL, 0.5 INCHES OR GREATER IN A 24 HOUR PERIOD, OR EQUIVALENT SNOWFALL. ADDITIONALLY, DURING WINTER MONTHS, ALL MEASURES SHOULD BE CHECKED BY THE CONTRACTOR AFTER EACH SIGNIFICANT SNOW MELT.
 - SEEDING - ALL ERODIBLE BARE EARTH AREAS WILL BE TEMPORARILY SEEDED ON A WEEKLY BASIS.
 - PERIMETER EROSION BARRIER - SEDIMENT WILL BE REMOVED WHEN IT EXCEEDS HALF THE HEIGHT OF THE FENCE AND FENCE THAT COLLAPSES WILL BE REPLACED IMMEDIATELY.
 - EROSION CONTROL - ANY AREAS WHICH FAIL WILL BE REPAIRED IMMEDIATELY.
 - IN CONCENTRATED FLOW SUCH AS DITCH BOTTOMS, EROSION CONTROL BLANKET, TEMPORARY DITCH CHECKS AND OTHER EROSION CONTROLS WILL BE INSPECTED AFTER EVERY RUNOFF EVENT AND MAINTAINED AS NEEDED.
 - INLET FILTERS WILL BE INSPECTED AFTER EVERY RUNOFF EVENT AND MAINTAINED AS NEEDED.
- THE CONTRACTOR WILL ASSUME RESPONSIBILITY FOR MAINTENANCE OF ALL SOIL EROSION CONTROL DURING CONSTRUCTION.
- ALL LOCATIONS WHERE VEHICLES ENTER OR EXIT THE CONSTRUCTION SITE AND ALL OTHER AREAS SUBJECT TO EROSION SHOULD BE INSPECTED PERIODICALLY.
- ALL ESC MEASURES WILL BE MAINTAINED IN ACCORDANCE WITH THE IDOT EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONSTRUCTION INSPECTION AND IDOT'S BEST MANAGEMENT PRACTICES -MAINTENANCE GUIDE: <http://www.idot.illinois.gov/transportation-system/environment/erosion-and-sediment-control>.
- ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED, AS APPROVED BY THE ENGINEER.
- CONSTRUCTION ACTIVITIES SHALL BE SCHEDULED TO MINIMIZE THE TIME SOIL IS EXPOSED AND UNPROTECTED. IN NO CASE SHALL THE EXISTING VEGETATION BE DESTROYED, REMOVED, OR DISTURBED MORE THAN FOURTEEN (14) CALENDAR DAYS PRIOR TO THE INITIATION OF IMPROVEMENTS.
- TEMPORARY OR PERMANENT STABILIZATION SHALL BE INITIATED IMMEDIATELY UPON COMPLETION OF DISTURBANCE OR IF THE WORK AREA IS TO BE LEFT UNDISTURBED FOR 14 DAYS OR MORE. THE CONTRACTOR SHALL COMPLY WITH ALL PROVISIONS OF THE STORM WATER POLLUTION PREVENTION PLAN SECTION 11.B.
- SOIL STOCKPILES SHALL NOT BE LOCATED IN A FLOOD PRONE AREA OR A DESIGNATED BUFFER PROTECTING WATERS OF THE UNITED STATES. STOCKPILES OR SOIL AND OTHER BUILDING MATERIALS TO REMAIN IN PLACE MORE THAN THREE (3) DAYS SHALL BE FURNISHED WITH EROSION AND SEDIMENT CONTROL MEASURES (I.E. PERIMETER SILT FENCE). STOCKPILES TO REMAIN UNDISTURBED FOR MORE THAN 14 DAYS WILL RECEIVE TEMPORARY SEEDING WITHIN 1 CALENDAR DAY.
- IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION. DISCHARGES SHALL BE ROUTED THROUGH AN EFFECTIVE SEDIMENT CONTROL MEASURE (E.G. SEDIMENT TRAP, SEDIMENT BASIN, SILT FILTER BAG (SPECIAL) OR OTHER APPROPRIATE MEASURE.
- THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER OR GOVERNING AGENCY.

- THE CONDITION OF THE CONSTRUCTION SITE FOR WINTER SHUTDOWN SHALL BE ADDRESSED EARLY IN THE FALL GROWING SEASON SO THAT SLOPES AND OTHER EARTH AREAS MAY BE STABILIZED WITH TEMPORARY AND/OR PERMANENT VEGETATIVE COVER FOR PROPER EROSION AND SEDIMENT CONTROL. ALL OPEN AREAS THAT ARE TO REMAIN IDLE THROUGHOUT THE WINTER SHALL RECEIVE TEMPORARY EROSION CONTROL MEASURES INCLUDING TEMPORARY SEEDING, MULCHING AND/OR EROSION CONTROL BLANKET PRIOR TO THE END OF THE FALL GROWING SEASON. THE AREAS TO BE WORKED BEYOND THE END OF THE GROWING SEASON MUST INCORPORATE SOIL STABILIZATION MEASURES THAT DO NOT RELY ON VEGETATIVE COVER SUCH AS EROSION CONTROL BLANKET AND HEAVY MULCHING.
- THE CONTRACTOR SHOULD PROVIDE TO THE RE A PLAN TO ENSURE THAT A STABILIZED FLOW LINE WILL BE PROVIDED DURING STORM SEWER CONSTRUCTION. THE USE OF A STABILIZED FLOW LINE BETWEEN INSTALLED STORM SEWER AND OPEN DISTURBANCE WILL REDUCE THE POTENTIAL FOR THE OFFSITE DISCHARGE OF SEDIMENT-BEARING WATERS, ESPECIALLY WHEN RAIN IS FORECASTED, SO THAT FLOW WILL NOT ERODE. LACK OF APPROVED PLAN OR FAILURE TO COMPLY WILL RESULT IN AN ESC DEFICIENCY DEDUCTION.
- ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER, SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCIDENTAL.
- EROSION CONTROL ITEMS ARE CONSIDERED TO BE A HIGH PRIORITY ON THIS CONTRACT. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE RESIDENT ENGINEER.
- IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO INFORM ANY SUB-CONTRACTORS WHO MAY PERFORM WORK ON THIS PROJECT OF THE REQUIREMENTS IN IMPLEMENTING AND MAINTAINING THESE EROSION CONTROL PLANS AND THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM NPDES I PERMIT REQUIREMENT SET FORTH BY THE ILLINOIS EPA.
- UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR PROLONG FINAL GRADING AND SHAPING SO THAT THE ENTIRE PROJECT CAN BE PERMANENTLY SEEDED AT ONE TIME.
- 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 SPECIFICATION, THE ENGINEER MAY ALLOW THE CONTRACTOR TO STABILIZE THE AREA USING TEMPORARY STABILIZATION WITH STRAW MULCH PROVIDING THAT THE FOLLOWING CONDITIONS ARE MET:
 - ALL AREAS BEING STABILIZED ARE 3:1 SLOPES OR FLATTER
 - THE CONTRACTOR BEARS THE COST OF PREPARING THE SEED BED AND STABILIZING THE AREA WITH TEMPORARY STABILIZATION STRAW MULCH
 - ALL REQUIRED SEDIMENT CONTROL MEASURES FOR THE SECTION OF ROAD IN QUESTION HAVE BEEN INSTALLED AND ARE BEING MAINTAINED
- SEEDING USAGE:

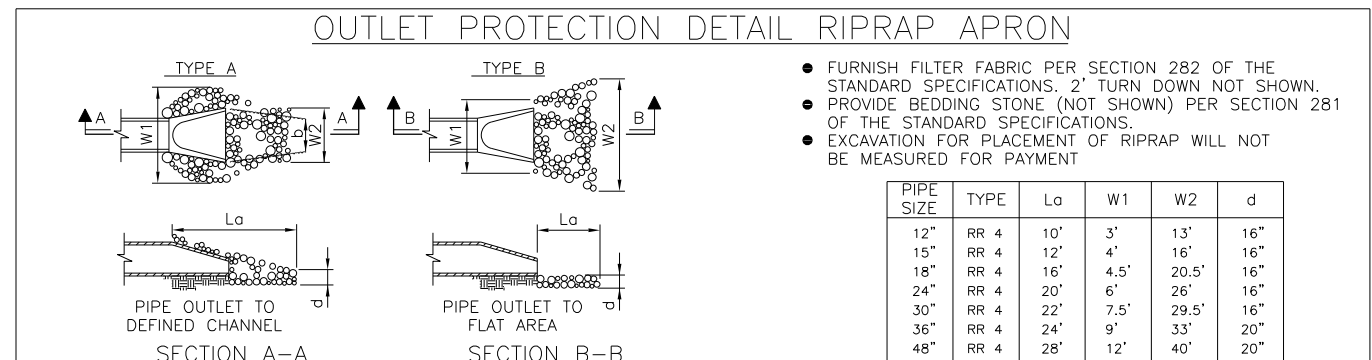
CLASS 2A SALT TOLERANT ROADSIDE MIX TO BE USED FOR NEW CONSTRUCTION OF LIMITED ACCESS ROUTES, INTENDED TO BE MOWED BY IDOT.

SODDING SALT TOLERANT TO BE USED IN AREAS ADJACENT TO OTHER AREAS REQUIRING A HIGH ORDER OR APPEARANCE INTENDED TO BE MOWED BY SOMEONE OTHER THAN IDOT.

TEMPORARY EROSION CONTROL SEEDING TO BE USED FOR SHORT TERM TEMPORARY SEEDING.
- TOP SOIL PLACEMENT:

TOPSOIL SHALL NOT BE PLACED AT AREAS COMPLETED WHERE FURTHER CONSTRUCTION SHALL BE DONE AS PART OF THIS CONTRACT.
- 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.
- PORTABLE TOILETS SHALL BE PLACED AWAY FROM INLETS AND WATER COURSES.

- THE TOTAL AREA OF THE PROJECT IS 19.14 ACRES. APPROXIMATELY 5.18 ACRES ARE ANTICIPATED TO BE DISTURBED AS PART OF THE PROJECT.
- THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATING NEAR ANY AND ALL EXISTING ITEMS WHICH WILL NOT BE REMOVED. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE.
- TREE ROOT PRUNING IS TO BE USED ON EXISTING TREES TO PREVENT THE RIPPING UP OF ROOTS WHEN TRENCHING OR EXCAVATION IS WITHIN THE ROOT ZONE OF ADJACENT TREES TO REMAIN. SUPPLEMENTAL WATERING OF TREES SHOULD BEGIN IMMEDIATELY AFTER ROOT PRUNING OF THE TREES HAS OCCURRED.
- GATEWAY GREEN SIGNS ARE LOCATED WITHIN THE PROJECT LIMITS. IF THEY ARE TO BE REMOVED DURING CONSTRUCTION, THE CONTRACTOR SHALL COORDINATE WITH IDOT ROADSIDE DEVELOPMENT UNIT, MELISSA DEL ROSARIO, AT 847-705-4391 (72) HOURS PRIOR TO REMOVAL. THE CONTRACTOR SHALL REINSTALL THE GATEWAY GREEN SIGNS, AND THE COST OF WORK SHALL BE CONSIDERED INCLUDED IN THE COST FOR LANDSCAPE WORK.
- THE CONTRACTOR SHALL NOTIFY THE ROADSIDE DEVELOPMENT UNIT, MELISSA DEL ROSARIO, AT 847-705-4391 (72) HOURS PRIOR TO TREE REMOVAL OPERATIONS.



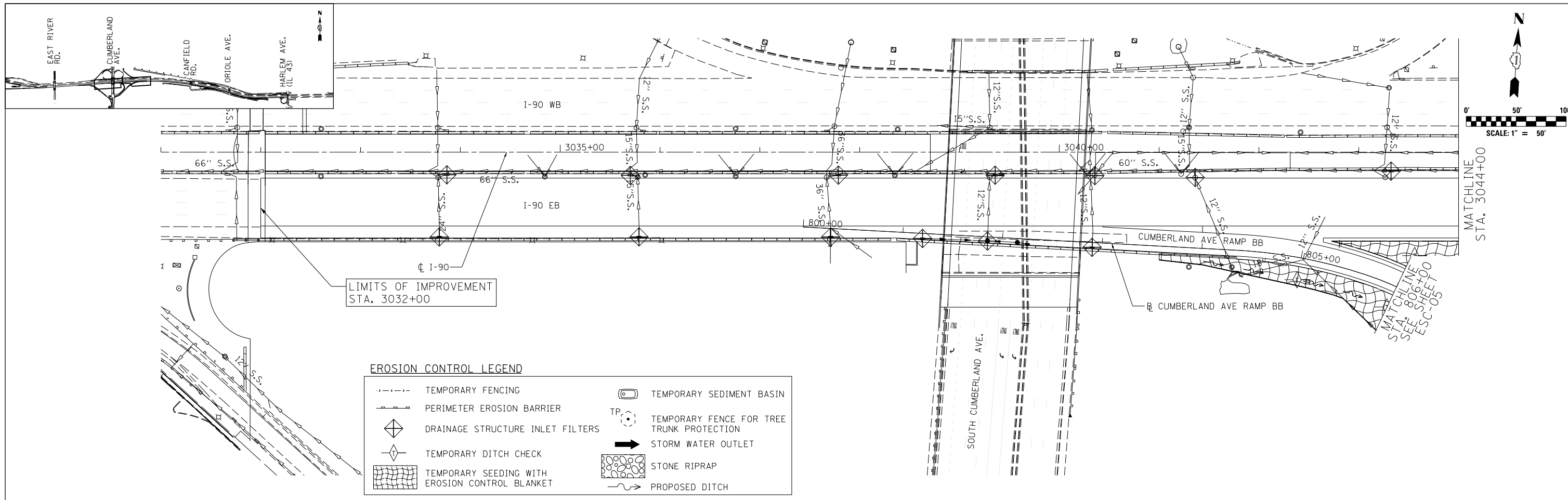
AEG Ltd.
3100 Dundee Road, Suite 502, Northbrook, IL 60062
847.753.8020 office
847.753.8023 fax

USER NAME = mamiller	DESIGNED GS	REVISED -
PLOT SCALE = 1/8" = 1'	DRAWN GS	REVISED -
PLOT DATE = 5/2/2016	CHECKED YO	REVISED -
	DATE 5/6/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

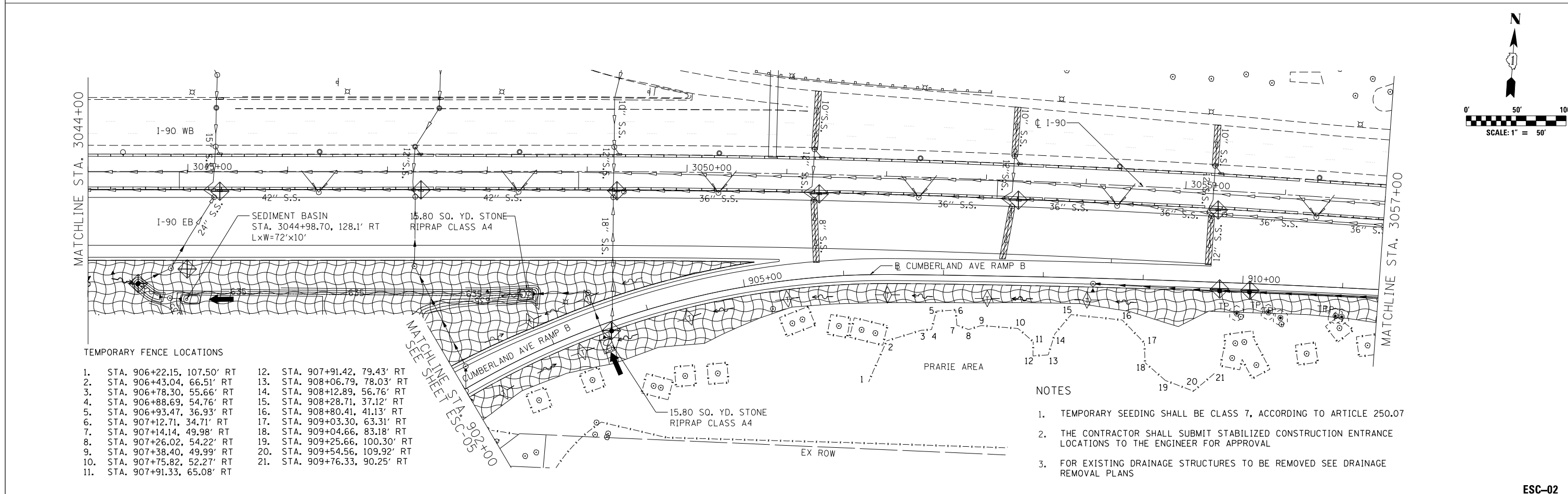
I-90 EASTBOUND FROM CUMBERLAND AVE TO HARLEM AVE
EROSION AND SEDIMENT CONTROL
GENERAL NOTES

F.A.I. RTE. 90	SECTION (1517 & 1415) R-3	COUNTY COOK	TOTAL SHEETS 557	SHEET NO. 142
			CONTRACT NO. 60Y38	
ILLINOIS FED. AID PROJECT				



EROSION CONTROL LEGEND

	TEMPORARY FENCING		TEMPORARY SEDIMENT BASIN
	PERIMETER EROSION BARRIER		TEMPORARY FENCE FOR TREE TRUNK PROTECTION
	DRAINAGE STRUCTURE INLET FILTERS		STORM WATER OUTLET
	TEMPORARY DITCH CHECK		STONE RIPRAP
	TEMPORARY SEEDING WITH EROSION CONTROL BLANKET		PROPOSED DITCH

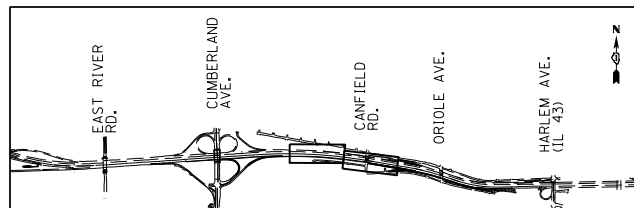


TEMPORARY FENCE LOCATIONS

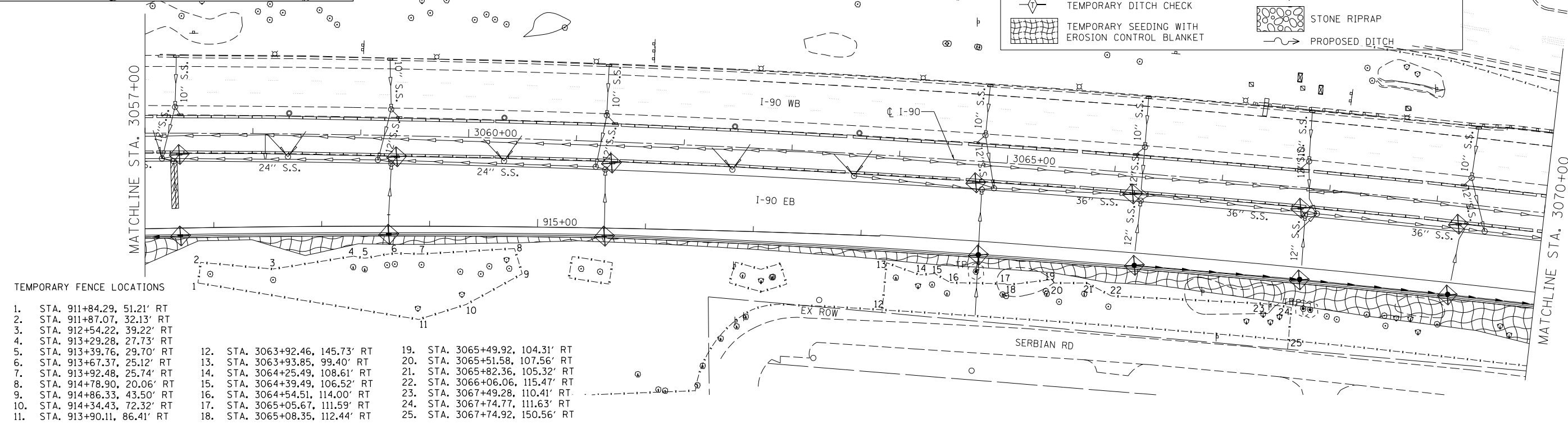
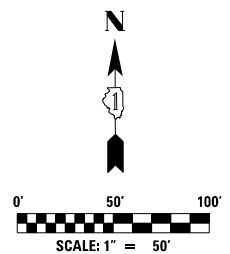
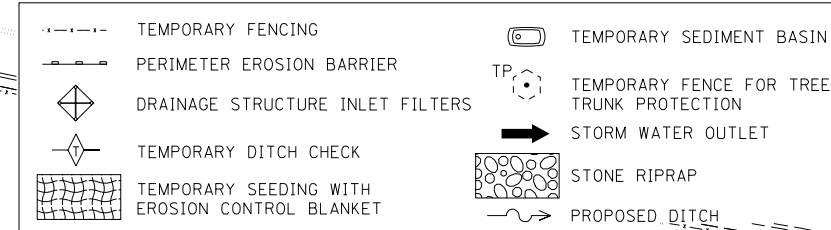
1. STA. 906+22.15, 107.50' RT	12. STA. 907+91.42, 79.43' RT
2. STA. 906+43.04, 66.51' RT	13. STA. 908+06.79, 78.03' RT
3. STA. 906+78.30, 55.66' RT	14. STA. 908+12.89, 56.76' RT
4. STA. 906+88.69, 54.76' RT	15. STA. 908+28.71, 37.12' RT
5. STA. 906+93.47, 36.93' RT	16. STA. 908+80.41, 41.13' RT
6. STA. 907+12.71, 34.71' RT	17. STA. 909+03.30, 63.31' RT
7. STA. 907+14.14, 49.98' RT	18. STA. 909+04.66, 83.18' RT
8. STA. 907+26.02, 54.22' RT	19. STA. 909+25.66, 100.30' RT
9. STA. 907+38.40, 49.99' RT	20. STA. 909+54.56, 109.92' RT
10. STA. 907+75.82, 52.27' RT	21. STA. 909+76.33, 90.25' RT
11. STA. 907+91.33, 65.08' RT	

- NOTES**
- TEMPORARY SEEDING SHALL BE CLASS 7, ACCORDING TO ARTICLE 250.07
 - THE CONTRACTOR SHALL SUBMIT STABILIZED CONSTRUCTION ENTRANCE LOCATIONS TO THE ENGINEER FOR APPROVAL
 - FOR EXISTING DRAINAGE STRUCTURES TO BE REMOVED SEE DRAINAGE REMOVAL PLANS

<p>3100 Dundee Road, Suite 502, Northbrook, IL 60062 847.753.8020 office 847.753.8023 fax</p>	USER NAME = mamiller	DESIGNED GS HDU	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-90 EASTBOUND FROM CUMBERLAND AVE TO HARLEM AVE EROSION CONTROL PLAN	F.A.I. RTE. 90	SECTION (1517 & 1415) R-3	COUNTY COOK	TOTAL SHEETS 557	SHEET NO. 143
	PLOT SCALE = 1:8000' / 1/8"	CHECKED YO SH	REVISED -			SCALE: 1" = 50'	SHEET NO. 1 OF 4 SHEETS	STA. 3032+00 TO STA. 3057+00	CONTRACT NO. 60Y38	
	PLOT DATE = 5/2/2016	DATE 5/6/2016	REVISED -			ILLINOIS FED. AID PROJECT				
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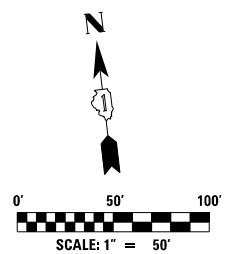
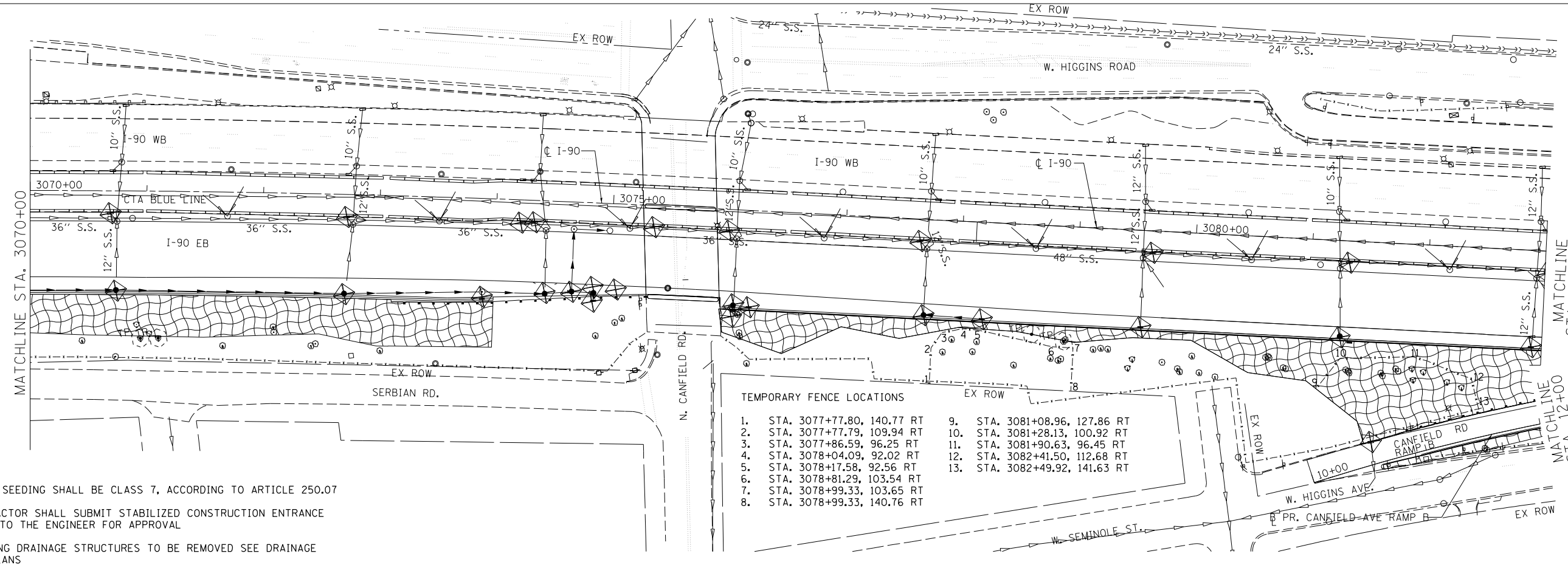


EROSION CONTROL LEGEND



TEMPORARY FENCE LOCATIONS

- | | | |
|-------------------------------|---------------------------------|---------------------------------|
| 1. STA. 911+84.29, 51.21' RT | 12. STA. 3063+92.46, 145.73' RT | 19. STA. 3065+49.92, 104.31' RT |
| 2. STA. 911+87.07, 32.13' RT | 13. STA. 3063+93.85, 99.40' RT | 20. STA. 3065+51.58, 107.56' RT |
| 3. STA. 912+54.22, 39.22' RT | 14. STA. 3064+25.49, 108.61' RT | 21. STA. 3065+82.36, 105.32' RT |
| 4. STA. 913+29.28, 27.73' RT | 15. STA. 3064+39.49, 106.52' RT | 22. STA. 3066+06.06, 115.47' RT |
| 5. STA. 913+39.76, 29.70' RT | 16. STA. 3064+54.51, 114.00' RT | 23. STA. 3067+49.28, 110.41' RT |
| 6. STA. 913+67.37, 25.12' RT | 17. STA. 3065+05.67, 111.59' RT | 24. STA. 3067+74.77, 111.63' RT |
| 7. STA. 913+92.48, 25.74' RT | 18. STA. 3065+08.35, 112.44' RT | 25. STA. 3067+74.92, 150.56' RT |
| 8. STA. 914+78.90, 20.06' RT | | |
| 9. STA. 914+86.33, 43.50' RT | | |
| 10. STA. 914+34.43, 72.32' RT | | |
| 11. STA. 913+90.11, 86.41' RT | | |



NOTES

- TEMPORARY SEEDING SHALL BE CLASS 7, ACCORDING TO ARTICLE 250.07
- THE CONTRACTOR SHALL SUBMIT STABILIZED CONSTRUCTION ENTRANCE LOCATIONS TO THE ENGINEER FOR APPROVAL
- FOR EXISTING DRAINAGE STRUCTURES TO BE REMOVED SEE DRAINAGE REMOVAL PLANS

TEMPORARY FENCE LOCATIONS

- | | |
|-------------------------------|--------------------------------|
| 1. STA. 3077+77.80, 140.77 RT | 9. STA. 3081+08.96, 127.86 RT |
| 2. STA. 3077+77.79, 109.94 RT | 10. STA. 3081+28.13, 100.92 RT |
| 3. STA. 3077+86.59, 96.25 RT | 11. STA. 3081+90.63, 96.45 RT |
| 4. STA. 3078+04.09, 92.02 RT | 12. STA. 3082+41.50, 112.68 RT |
| 5. STA. 3078+17.58, 92.56 RT | 13. STA. 3082+49.92, 141.63 RT |
| 6. STA. 3078+81.29, 103.54 RT | |
| 7. STA. 3078+99.33, 103.65 RT | |
| 8. STA. 3078+99.33, 140.76 RT | |

AEG
NOTES

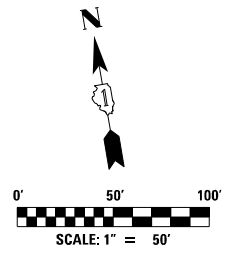
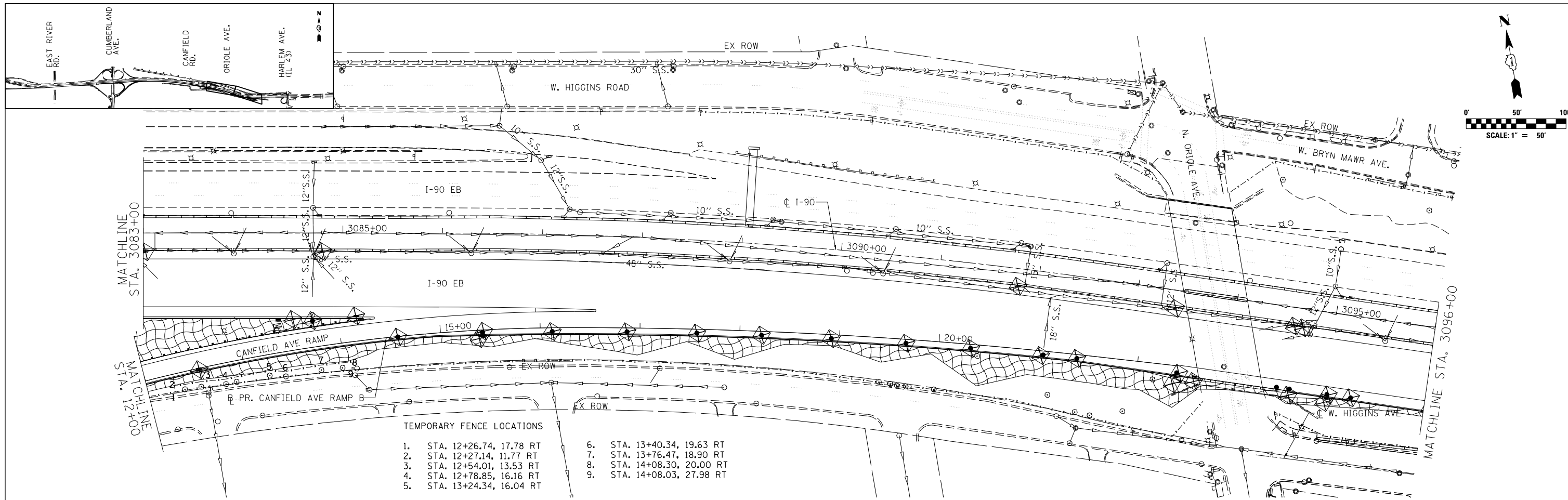
3100 Dundee Road, Suite 502, Northbrook, IL 60062	USER NAME = mamiller	DESIGNED GS HDU	REVISED -
847.753.8020 office	PLOT SCALE = 1:8000' / 1in.	DRAWN GS HDU	REVISED -
847.753.8023 fax	PLOT DATE = 5/2/2016	CHECKED YO SH	REVISED -
		DATE 5/6/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-90 EASTBOUND FROM CUMBERLAND AVE TO HARLEM AVE
EROSION CONTROL PLAN**

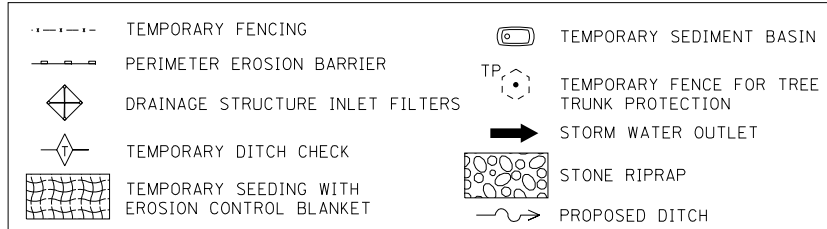
SCALE: 1" = 50' SHEET NO. 2 OF 4 SHEETS STA. 3057+00 TO STA. 3083+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	(1517 & 1415) R-3	COOK	557	144
CONTRACT NO. 60Y38				
ILLINOIS FED. AID PROJECT				



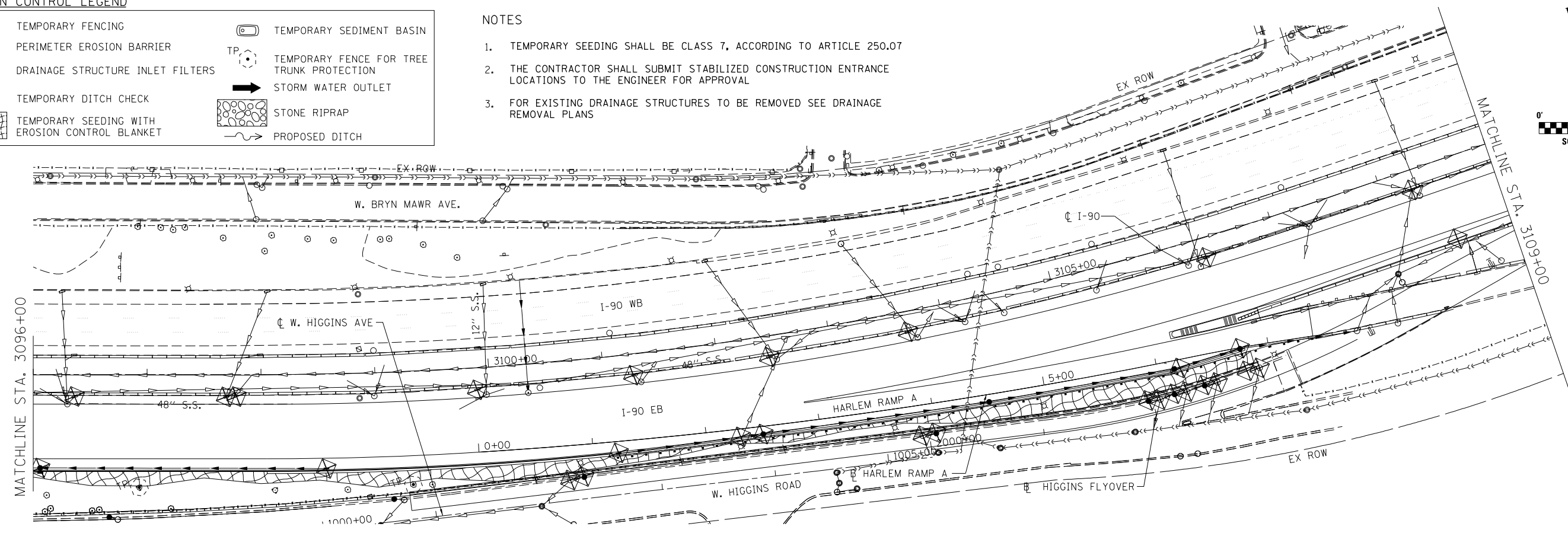
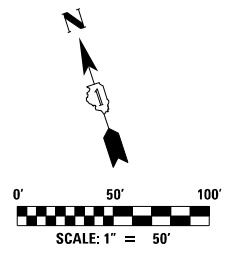
- TEMPORARY FENCE LOCATIONS**
- | | |
|----------------------------|----------------------------|
| 1. STA. 12+26.74, 17.78 RT | 6. STA. 13+40.34, 19.63 RT |
| 2. STA. 12+27.14, 11.77 RT | 7. STA. 13+76.47, 18.90 RT |
| 3. STA. 12+54.01, 13.53 RT | 8. STA. 14+08.30, 20.00 RT |
| 4. STA. 12+78.85, 16.16 RT | 9. STA. 14+08.03, 27.98 RT |
| 5. STA. 13+24.34, 16.04 RT | |

EROSION CONTROL LEGEND



NOTES

1. TEMPORARY SEEDING SHALL BE CLASS 7, ACCORDING TO ARTICLE 250.07
2. THE CONTRACTOR SHALL SUBMIT STABILIZED CONSTRUCTION ENTRANCE LOCATIONS TO THE ENGINEER FOR APPROVAL
3. FOR EXISTING DRAINAGE STRUCTURES TO BE REMOVED SEE DRAINAGE REMOVAL PLANS



AEG
 3100 Dundee Road,
 Suite 502, Northbrook,
 IL 60062
 847.753.8020 office
 847.753.8023 fax

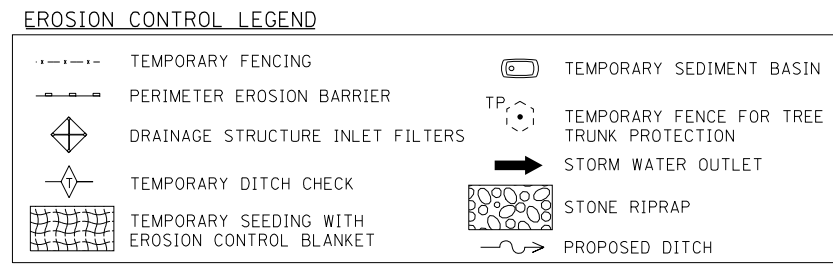
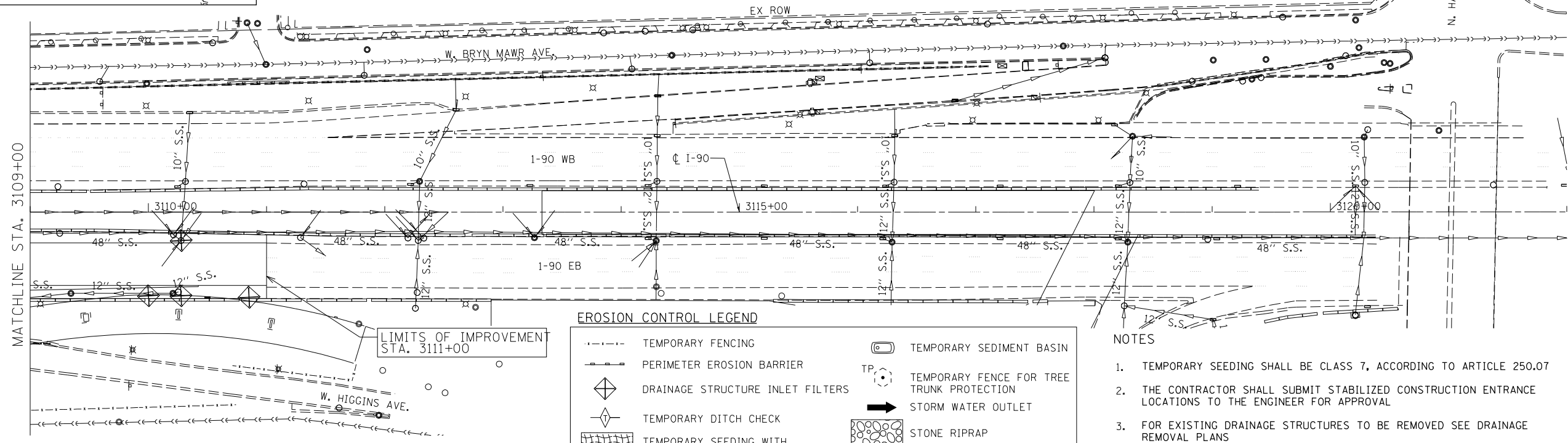
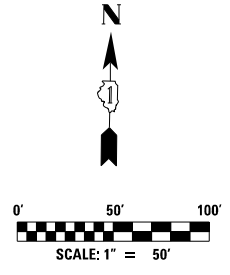
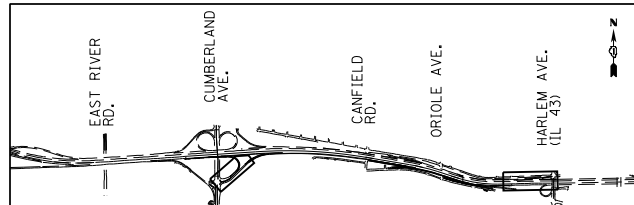
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PLOT DATE = 5/2/2016	CHECKED YO SH	REVISED -
	DATE 5/6/2016	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**I-90 EASTBOUND FROM CUMBERLAND AVE TO HARLEM AVE
 EROSION CONTROL PLAN**
 SCALE: 1" = 50' SHEET NO. 3 OF 4 SHEETS STA. 3083+00 TO STA. 3109+00

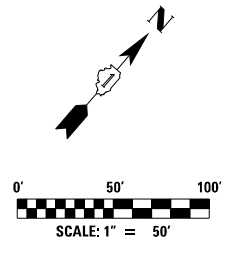
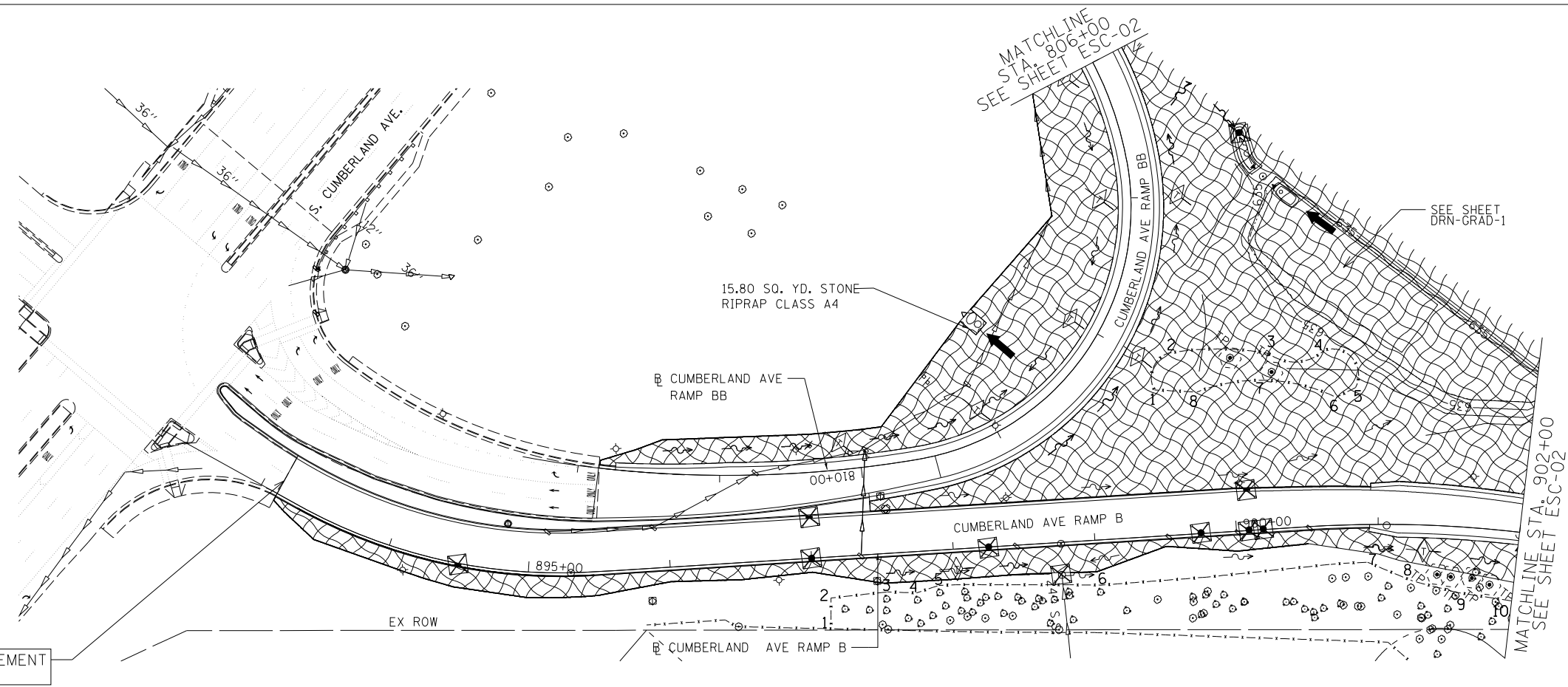
F.A.I. RTE. 90	SECTION (1517 & 1415) R-3	COUNTY COOK	TOTAL SHEETS 557	SHEET NO. 145
			CONTRACT NO. 60Y38	
ILLINOIS FED. AID PROJECT				

FILE NAME = p:\hntb\356.hntb.org\FWGreat.Lakes\Documents\Chicago Projects\58015 I-90\Phase II\Contract 2 - Eastbound\Design\CADD\CADD Sheets\DI60Y38-sht-eros-04.dgn



- NOTES**
1. TEMPORARY SEEDING SHALL BE CLASS 7, ACCORDING TO ARTICLE 250.07
 2. THE CONTRACTOR SHALL SUBMIT STABILIZED CONSTRUCTION ENTRANCE LOCATIONS TO THE ENGINEER FOR APPROVAL
 3. FOR EXISTING DRAINAGE STRUCTURES TO BE REMOVED SEE DRAINAGE REMOVAL PLANS

- NOTES**
1. TEMPORARY EROSION CONTROL SHALL BE COORDINATED WITH THE MAINTENANCE OF TRAFFIC SEE MOT SHEETS FOR PRESTAGE SUBSTAGE A AND STAGE 1 SUBSTAGE 1.
 2. ALL DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY SEEDING. TEMPORARY DITCH CHECKS SHALL BE INSTALLED ON ALL DISTURBED DITCH LINES. ALL TEMPORARY EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPEATED AS NEEDED.
 3. ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED.



- TEMPORARY FENCE LOCATIONS RAMP BB**
1. STA. 808+11.09, 54.83 LT
 2. STA. 807+90.13, 50.09 LT
 3. STA. 807+70.82, 115.42 LT
 4. STA. 807+62.20, 151.88 LT
 5. STA. 807+71.44, 181.24 LT
 6. STA. 807+77.14, 171.23 LT
 7. STA. 807+81.60, 121.61 LT
 8. STA. 808+00.69, 81.10 LT

- TEMPORARY FENCE LOCATIONS RAMP B**
1. STA. 897+10.48, 51.53 RT
 2. STA. 897+11.89, 28.90 RT
 3. STA. 897+51.44, 27.16 RT
 4. STA. 897+72.45, 29.09 RT
 5. STA. 897+88.26, 24.82 RT
 6. STA. 899+02.09, 31.84 RT
 7. STA. 900+92.21, 26.64 RT
 8. STA. 901+25.36, 39.68 RT
 9. STA. 901+57.91, 46.23 RT
 10. STA. 902+00.00, 48.87 RT

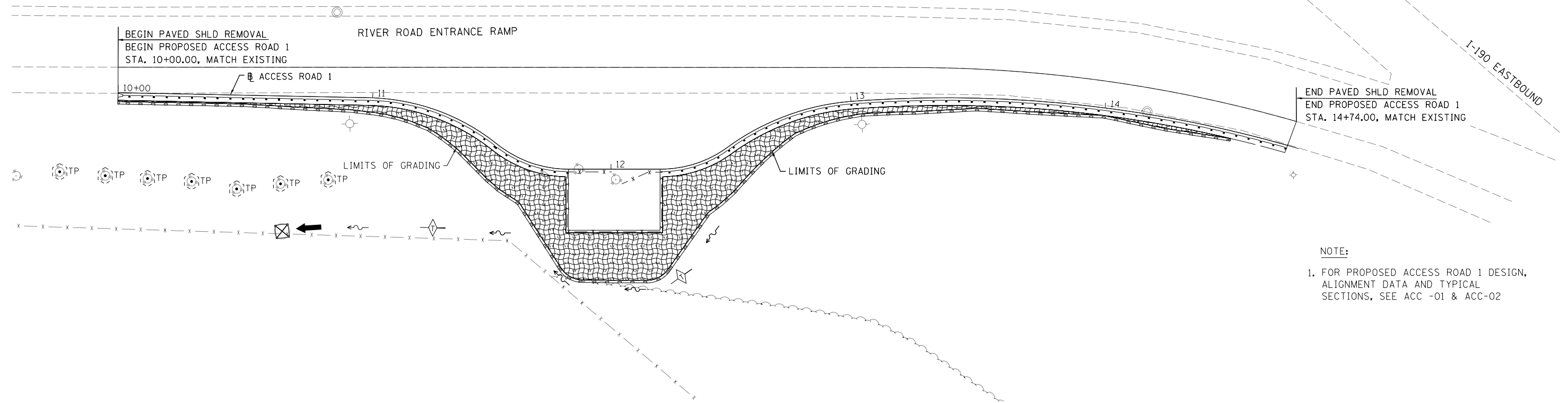
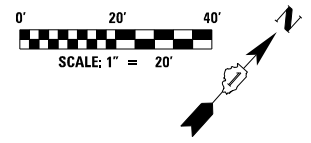
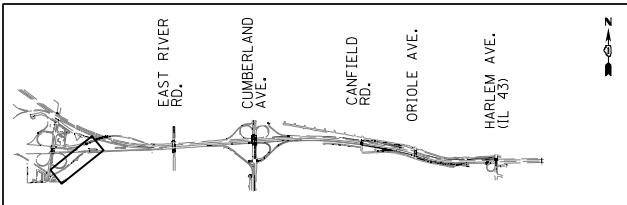
AEG
 3100 Dundee Road,
 Suite 502, Northbrook,
 IL 60062
 847.753.8020 office
 847.753.8023 fax

USER NAME = mamiller	DESIGNED GS HDU	REVISED -
DRAWN GS HDU	REVISED -	
PLOT SCALE = 1:8000' / 1in.	CHECKED YO SH	REVISED -
PLOT DATE = 5/2/2016	DATE 5/6/2016	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**I-90 EASTBOUND FROM CUMBERLAND AVE TO HARLEM AVE
 EROSION CONTROL PLAN**
 SCALE: 1" = 50' SHEET NO. 4 OF 4 SHEETS STA. 3109+00 TO STA. 3111+00

F.A.I. RTE. 90	SECTION (1517 & 1415) R-3	COUNTY COOK	TOTAL SHEETS 557	SHEET NO. 146
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60Y38	



NOTE:
 1. FOR PROPOSED ACCESS ROAD 1 DESIGN, ALIGNMENT DATA AND TYPICAL SECTIONS, SEE ACC -01 & ACC-02

ACCESS ROAD 1 EROSION CONTROL LEGEND

	TEMPORARY FENCING		TEMPORARY SEDIMENT BASIN
	PERIMETER EROSION BARRIER		TEMPORARY FENCE FOR TREE TRUNK PROTECTION
	DRAINAGE STRUCTURE INLET FILTERS		STORM WATER OUTLET
	TEMPORARY DITCH CHECK		STONE RIPRAP
	TEMPORARY SEEDING WITH HEAVY DUTY EROSION CONTROL BLANKET		PROPOSED DITCH

NOTES

1. TEMPORARY SEEDING SHALL BE CLASS 7, ACCORDING TO ARTICLE 250.07
2. THE CONTRACTOR SHALL SUBMIT STABILIZED CONSTRUCTION ENTRANCE LOCATIONS TO THE ENGINEER FOR APPROVAL
3. FOR EXISTING DRAINAGE STRUCTURES TO BE REMOVED SEE DRAINAGE REMOVAL PLANS

NOTES

1. ALL DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY SEEDING. TEMPORARY DITCH CHECKS SHALL BE INSTALLED ON ALL DISTURBED DITCH LINES. ALL TEMPORARY EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPEATED AS NEEDED.
3. ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED.

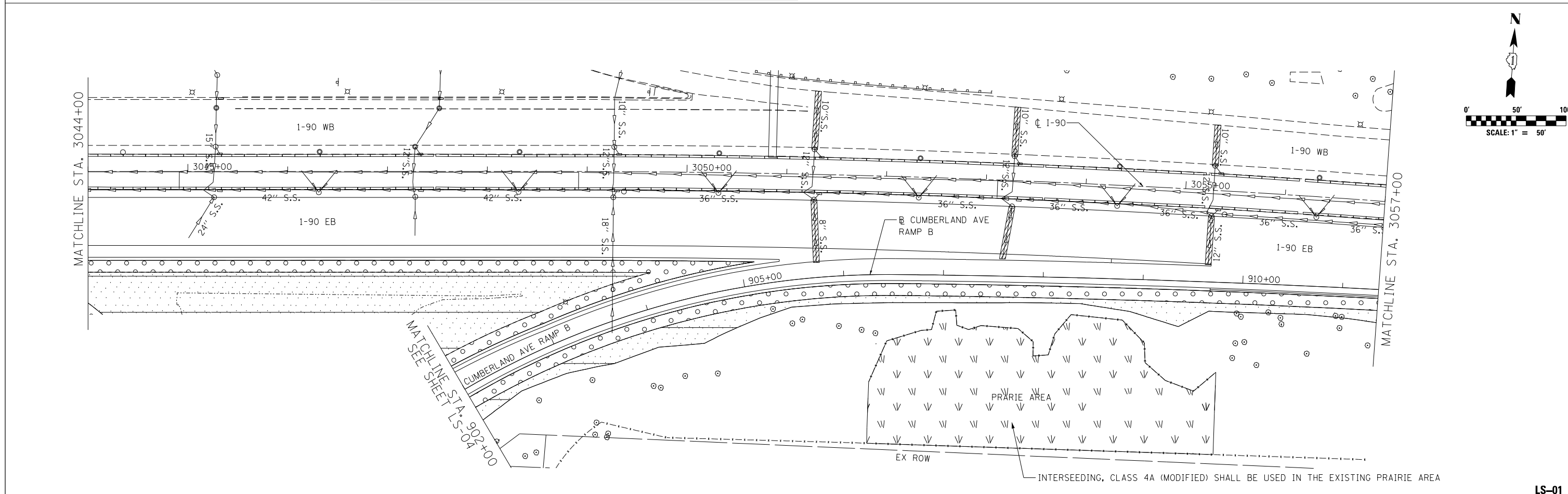
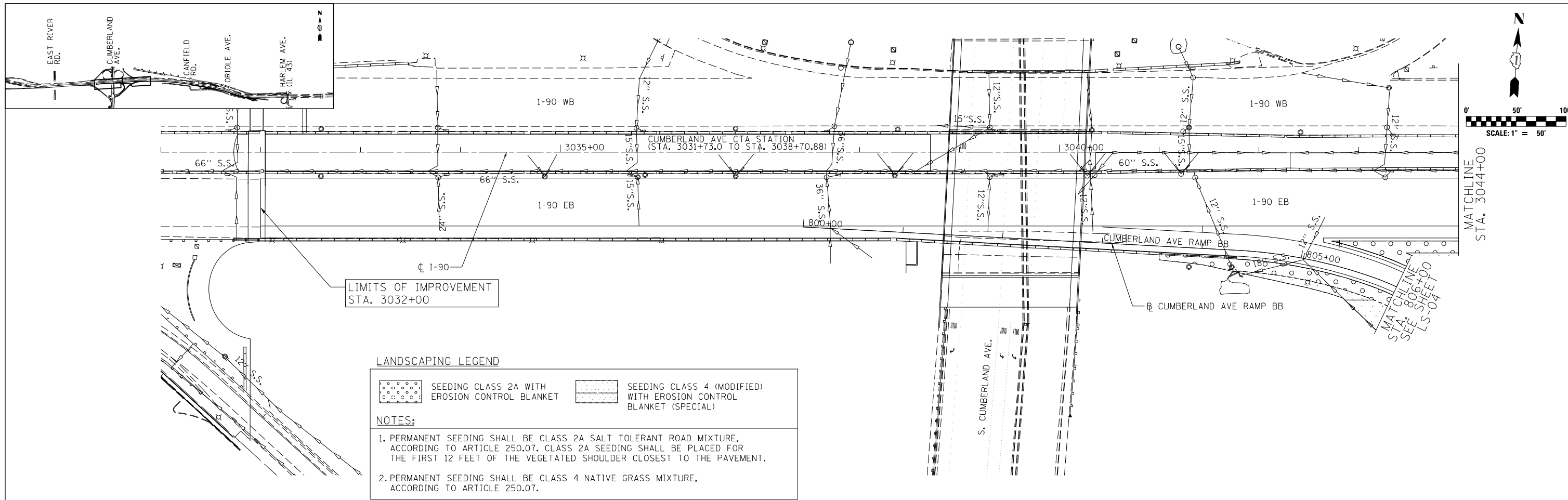
AEG Ltd.
 3100 Dundee Road,
 Suite 502, Northbrook,
 IL 60062
 847.753.8020 office
 847.753.8023 fax

USER NAME = mamiller	DESIGNED GS	REVISED -
PLOT SCALE = 1:8000' / 1"	DRAWN GS	REVISED -
PLOT DATE = 5/2/2016	CHECKED YO	REVISED -
	DATE 04/08/2016	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

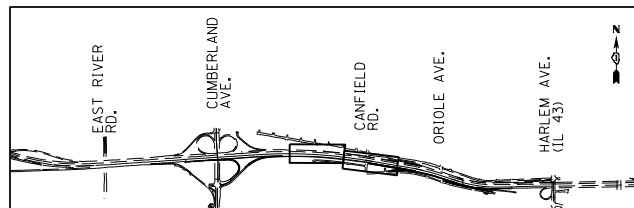
**I-90 EASTBOUND FROM CUMBERLAND AVE TO HARLEM AVE
 EROSION CONTROL PLAN
 PROPOSED ACCESS ROAD 1**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	(1517 & 1415) R-3	COOK	557	147
CONTRACT NO. 60Y38				
ILLINOIS FED. AID PROJECT				



AEG 3100 Dundee Road, Suite 502, Northbrook, IL 60062 847.753.8020 office 847.753.8023 fax	USER NAME = mamiller	DESIGNED GS KFA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-90 EASTBOUND FROM CUMBERLAND AVE TO HARLEM AVE LANDSCAPING PLAN	F.A.I. RTE. 90	SECTION (1517 & 1415) R-3	COUNTY COOK	TOTAL SHEETS 557	SHEET NO. 148
	PLOT SCALE = 1:8000' / 1/8"	CHECKED YO MCD	REVISED -			SCALE: 1" = 50'	SHEET NO. 1 OF 4 SHEETS	STA. 3032+00 TO STA. 3057+00	CONTRACT NO. 60Y38	
	PLOT DATE = 5/2/2016	DATE 5/6/2016	REVISED -							LS-01

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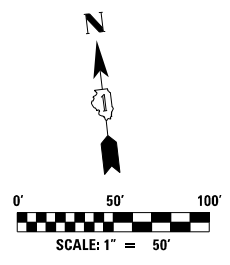
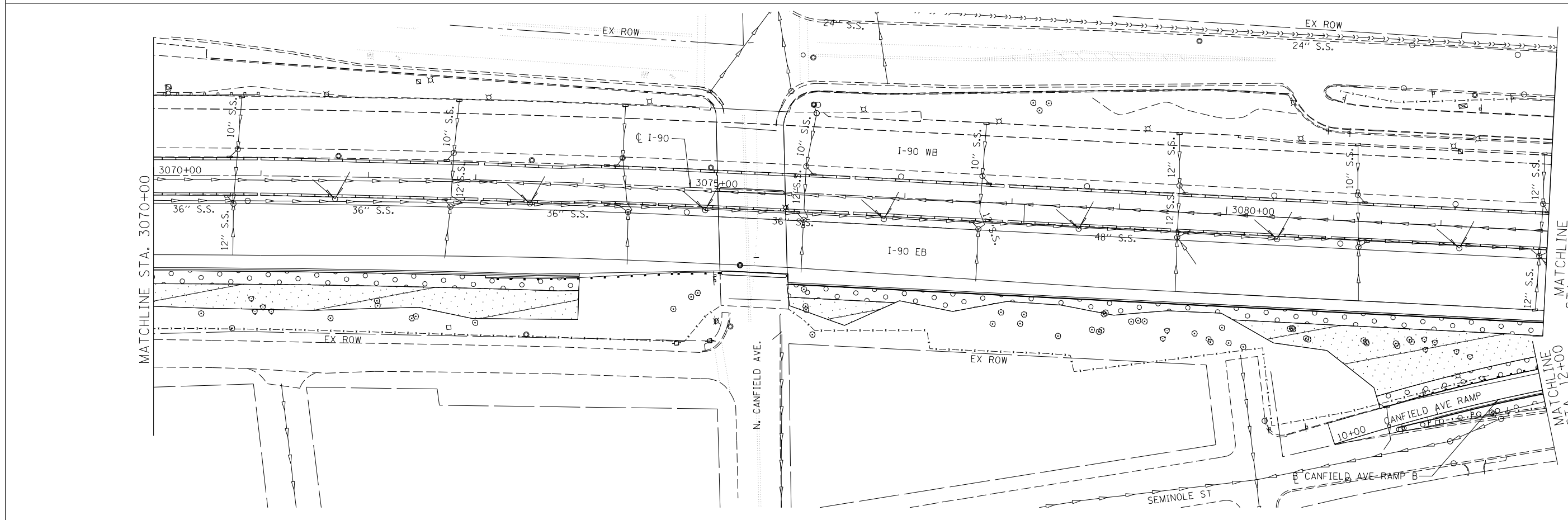
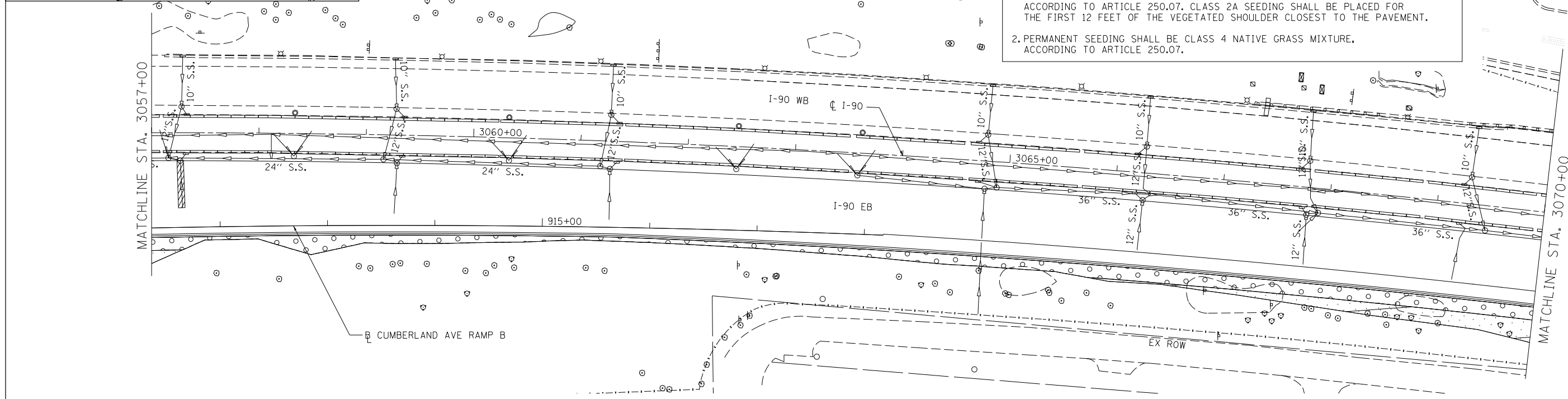
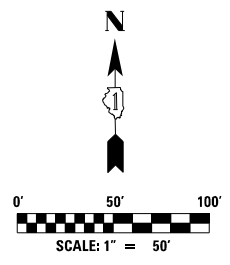


LANDSCAPING LEGEND



NOTES:

1. PERMANENT SEEDING SHALL BE CLASS 2A SALT TOLERANT ROAD MIXTURE, ACCORDING TO ARTICLE 250.07. CLASS 2A SEEDING SHALL BE PLACED FOR THE FIRST 12 FEET OF THE VEGETATED SHOULDER CLOSEST TO THE PAVEMENT.
2. PERMANENT SEEDING SHALL BE CLASS 4 NATIVE GRASS MIXTURE, ACCORDING TO ARTICLE 250.07.



AEG Ltd.
3100 Dundee Road,
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IL 60062
847.753.8020 office
847.753.8023 fax

USER NAME = mamiller	DESIGNED GS KFA	REVISED -
DRAWN GS KFA	REVISIONS	REVISED -
PLOT SCALE = 1.0000' / 1in.	CHECKED YO MCD	REVISED -
PLOT DATE = 5/2/2016	DATE 5/6/2016	REVISED -

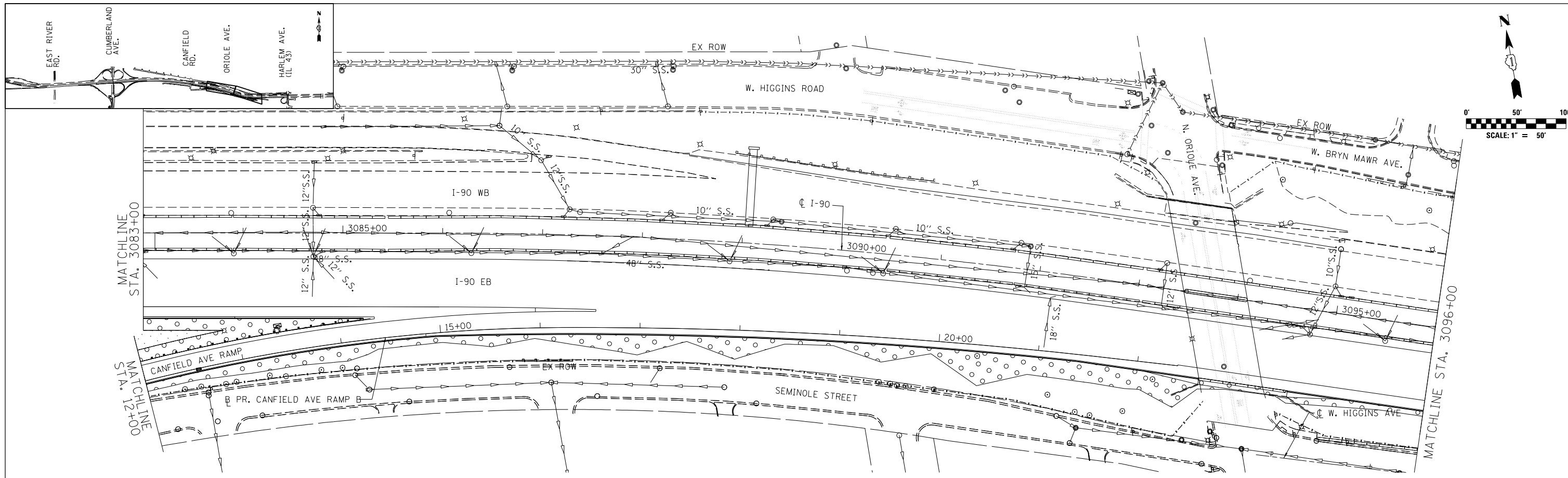
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-90 EASTBOUND FROM CUMBERLAND AVE TO HARLEM AVE
LANDSCAPING PLAN**
SCALE: 1" = 50' SHEET NO. 2 OF 4 SHEETS STA. 3057+00 TO STA. 3083+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	(1517 & 1415) R-3	COOK	557	149
			CONTRACT NO. 60Y38	
ILLINOIS FED. AID PROJECT				

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LS-02

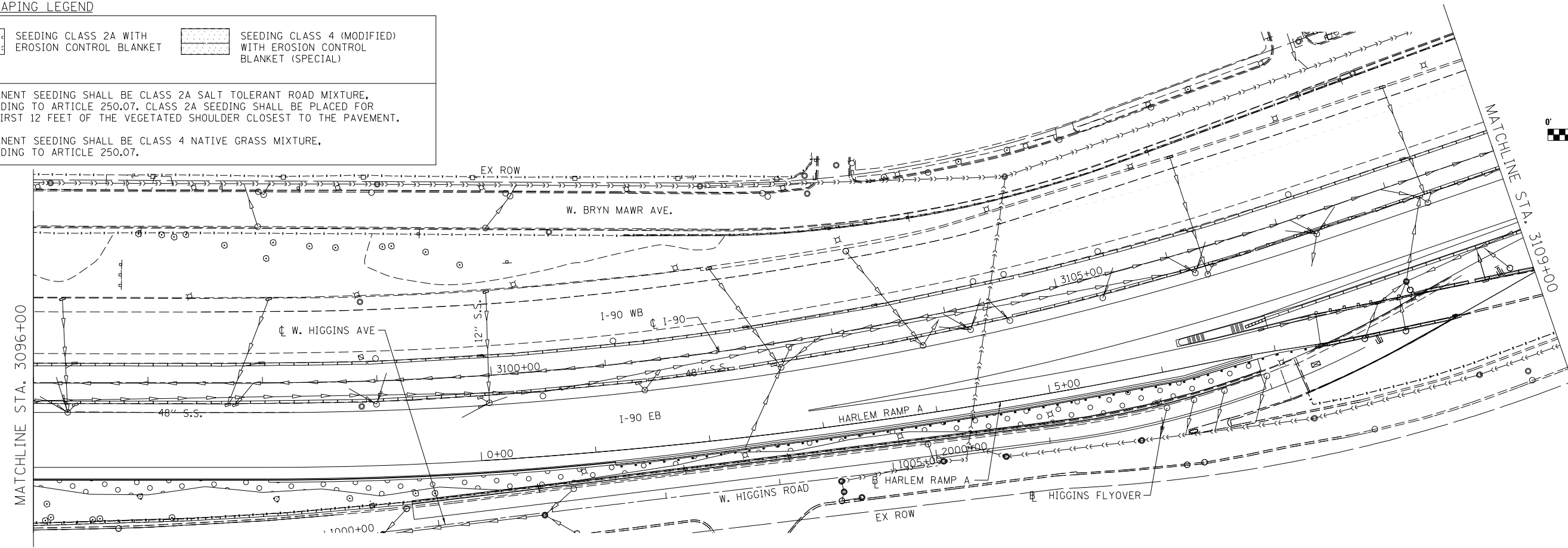


LANDSCAPING LEGEND

	SEEDING CLASS 2A WITH EROSION CONTROL BLANKET		SEEDING CLASS 4 (MODIFIED) WITH EROSION CONTROL BLANKET (SPECIAL)
--	---	--	---

NOTES:

- PERMANENT SEEDING SHALL BE CLASS 2A SALT TOLERANT ROAD MIXTURE, ACCORDING TO ARTICLE 250.07. CLASS 2A SEEDING SHALL BE PLACED FOR THE FIRST 12 FEET OF THE VEGETATED SHOULDER CLOSEST TO THE PAVEMENT.
- PERMANENT SEEDING SHALL BE CLASS 4 NATIVE GRASS MIXTURE, ACCORDING TO ARTICLE 250.07.



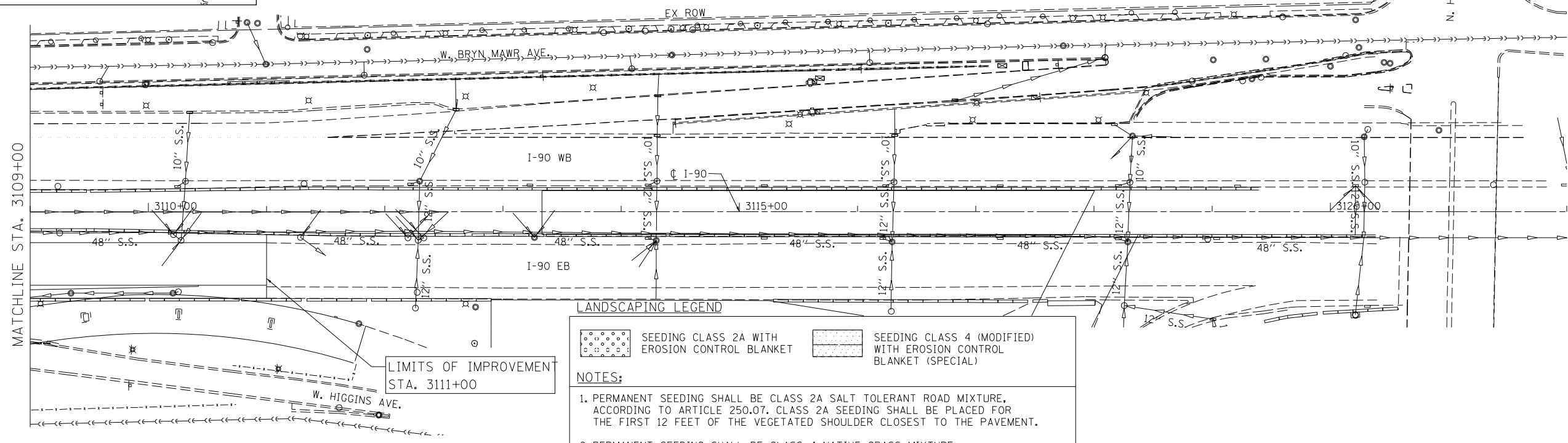
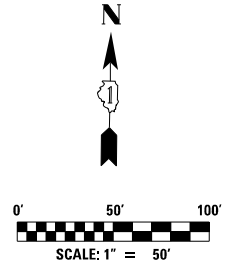
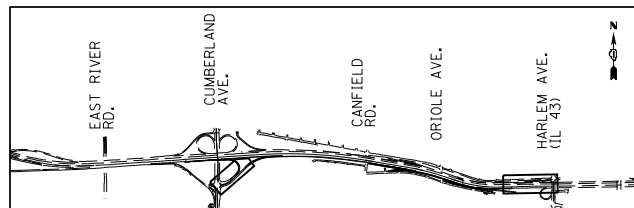
AEG
 Ltd.
 3100 Dundee Road,
 Suite 502, Northbrook,
 IL 60062
 847.753.8020 office
 847.753.8023 fax

USER NAME = mamiller	DESIGNED GS KFA	REVISED -
DRAWN GS KFA	REVISIONS	REVISED -
PLOT SCALE = 1.0000' / 1in.	CHECKED YO MCD	REVISED -
PLOT DATE = 5/2/2016	DATE 5/6/2016	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**I-90 EASTBOUND FROM CUMBERLAND AVE TO HARLEM AVE
 LANDSCAPING PLAN**
 SCALE: 1" = 50' SHEET NO. 3 OF 4 SHEETS STA. 3083+00 TO STA. 3109+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	(1517 & 1415) R-3	COOK	557	150
CONTRACT NO. 60Y38				
ILLINOIS FED. AID PROJECT				

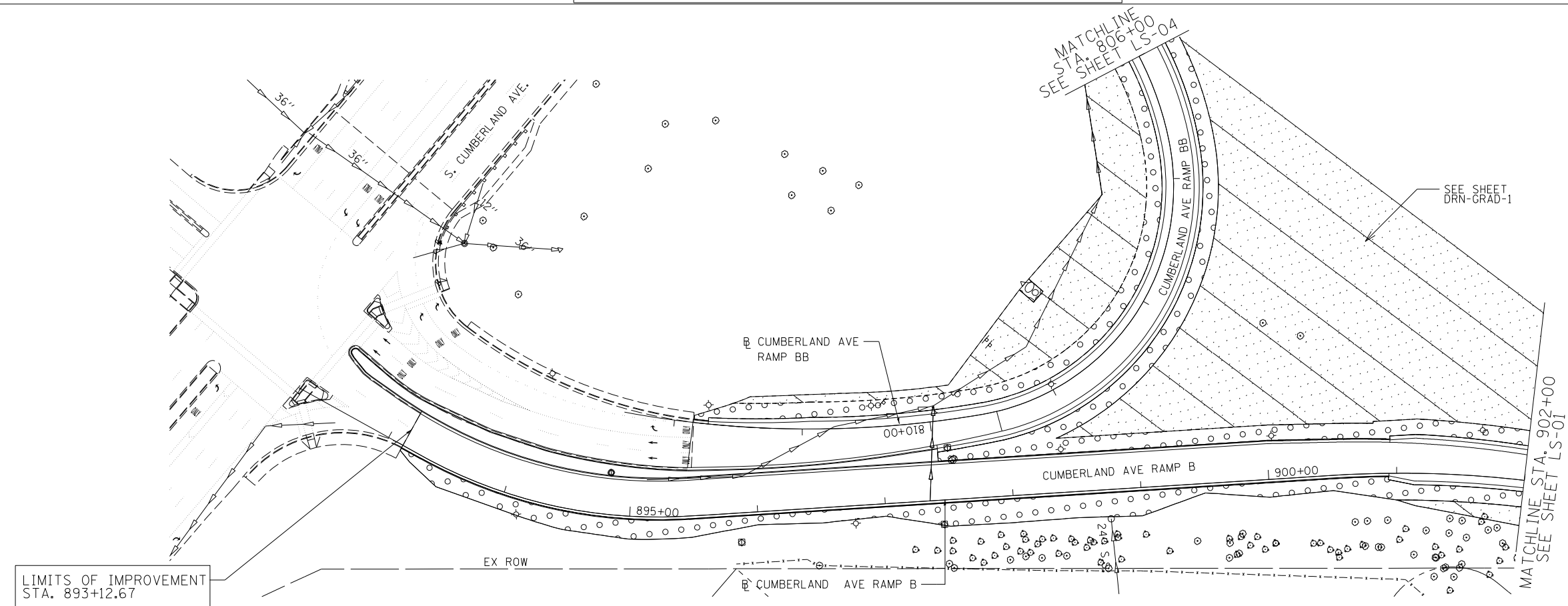
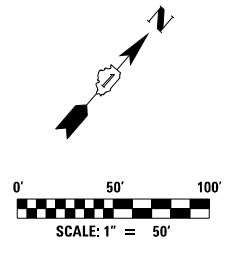


LANDSCAPING LEGEND

	SEEDING CLASS 2A WITH EROSION CONTROL BLANKET		SEEDING CLASS 4 (MODIFIED) WITH EROSION CONTROL BLANKET (SPECIAL)
--	---	--	---

NOTES:

1. PERMANENT SEEDING SHALL BE CLASS 2A SALT TOLERANT ROAD MIXTURE, ACCORDING TO ARTICLE 250.07. CLASS 2A SEEDING SHALL BE PLACED FOR THE FIRST 12 FEET OF THE VEGETATED SHOULDER CLOSEST TO THE PAVEMENT.
2. PERMANENT SEEDING SHALL BE CLASS 4 NATIVE GRASS MIXTURE, ACCORDING TO ARTICLE 250.07.



AEG
 Ltd.
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 IL 60062
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 847.753.8023 fax

USER NAME = mamiller	DESIGNED GS KFA	REVISED -
DRAWN GS KFA	REVISIONS -	
PLOT SCALE = 1:8000 / 1/8"	CHECKED YO MCD	REVISED -
PLOT DATE = 5/2/2016	DATE 5/6/2016	REVISED -

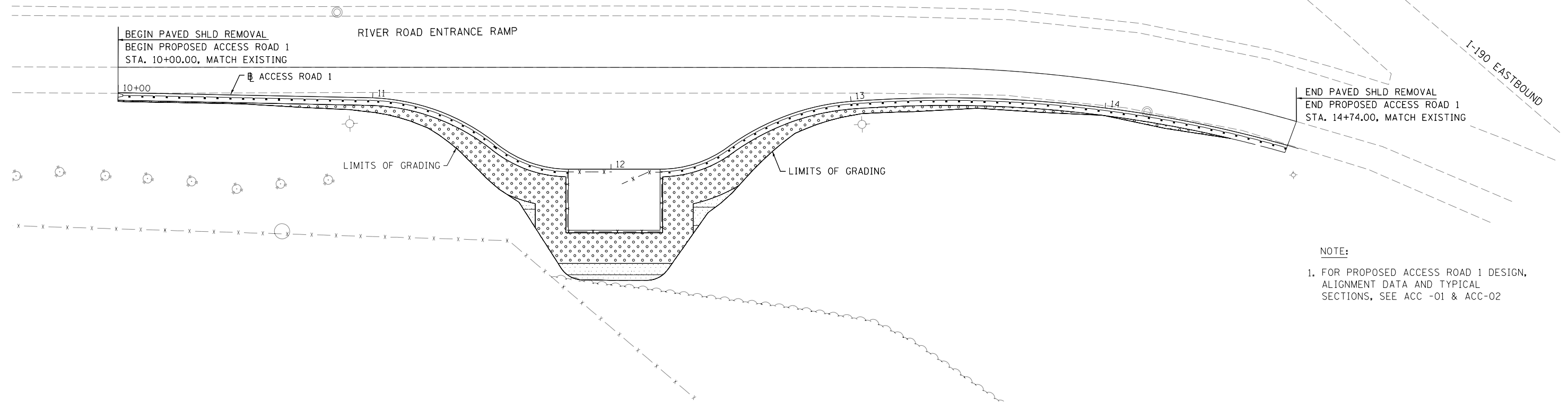
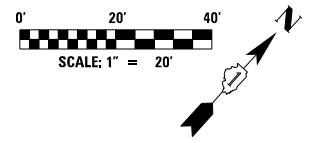
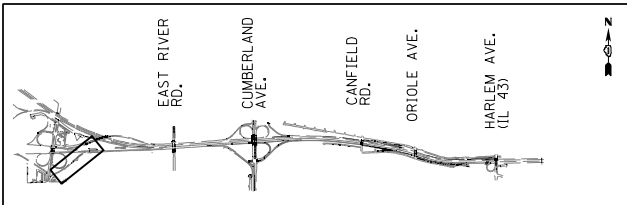
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**I-90 EASTBOUND FROM CUMBERLAND AVE TO HARLEM AVE
 LANDSCAPING PLAN**
 SCALE: 1" = 50' SHEET NO. 4 OF 4 SHEETS STA. 3109+00 TO STA. 3111+00

F.A.I. RTE. 90	SECTION (1517 & 1415) R-3	COUNTY COOK	TOTAL SHEETS 557	SHEET NO. 151
				CONTRACT NO. 60Y38
ILLINOIS FED. AID PROJECT				

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LS-04



LANDSCAPING LEGEND

	SEEDING CLASS 2A WITH HEAVY DUTY EROSION CONTROL BLANKET		SEEDING CLASS 4A WITH HEAVY DUTY EROSION CONTROL BLANKET
--	--	--	--

NOTES:

- PERMANENT SEEDING SHALL BE CLASS 2A SALT TOLERANT ROAD MIXTURE, ACCORDING TO ARTICLE 250.07. CLASS 2A SEEDING SHALL BE PLACED FOR THE FIRST 12 FEET OF THE VEGETATED SHOULDER CLOSEST TO THE PAVEMENT.
- PERMANENT SEEDING SHALL BE CLASS 4 NATIVE GRASS MIXTURE, ACCORDING TO ARTICLE 250.07.

AEG Ltd.
3100 Dundee Road,
Suite 502, Northbrook,
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847.753.8020 office
847.753.8023 fax

USER NAME = mmiller	DESIGNED GS	REVISED -
PLOT SCALE = 1:8000' / 1"	DRAWN GS	REVISED -
PLOT DATE = 5/2/2016	CHECKED YO	REVISED -
	DATE 04/08/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

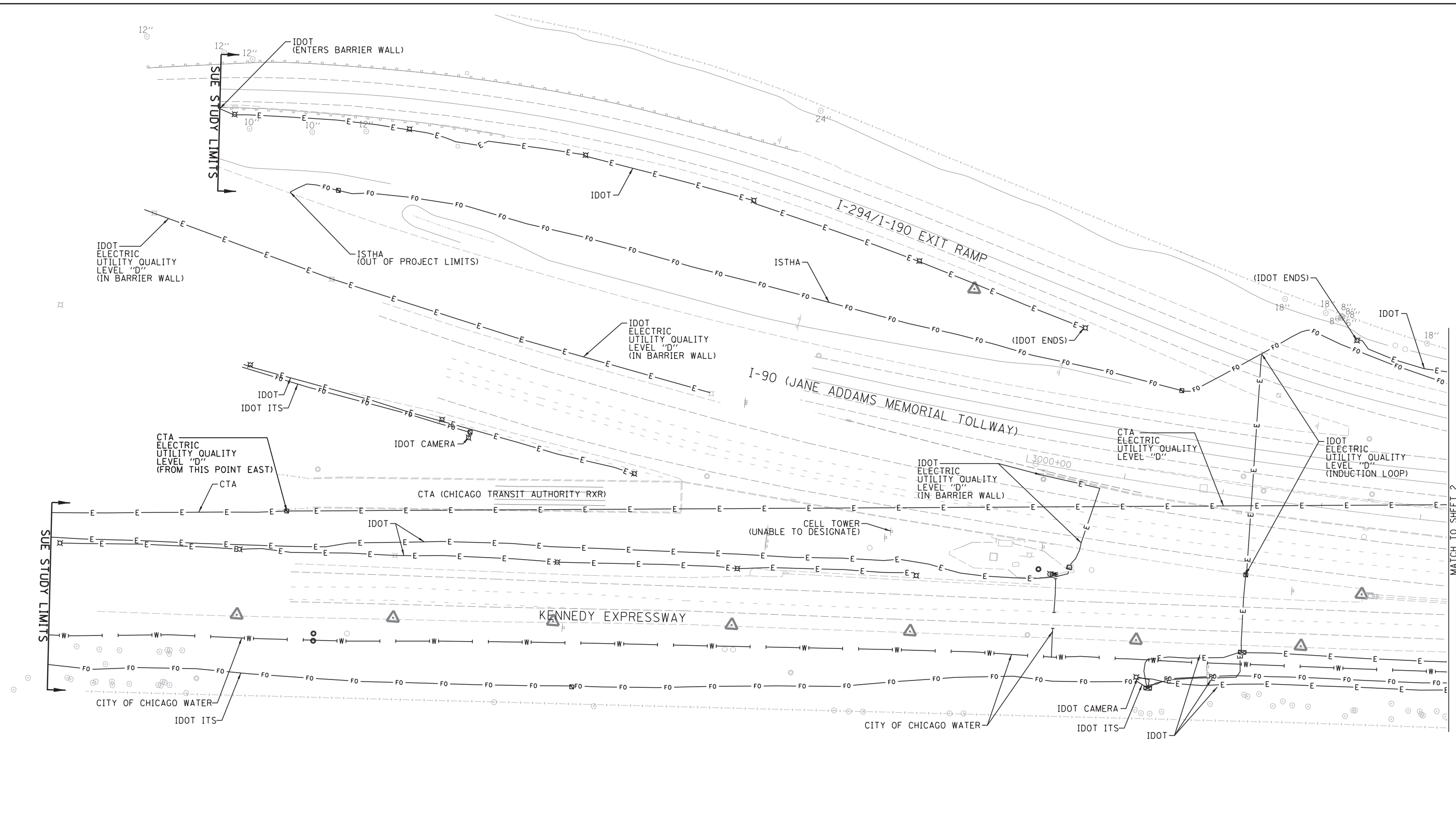
**I-90 EASTBOUND FROM CUMBERLAND AVE TO HARLEM AVE
LANDSCAPING PLAN
PROPOSED ACCESS ROAD 1**

SCALE: 20' = 1"	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	(1517 & 1415) R-3	COOK	557	152
			CONTRACT NO. 60Y38	
ILLINOIS FED. AID PROJECT				

LS-05

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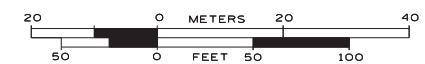


— A — A —	AERIAL
- - - - -	UNKNOWN
— O — — O —	OIL
— CTV — CTV —	CABLE TV
— T — T —	TELEPHONE
— G — — G —	GAS
— E — E —	ELECTRIC
— — —	TRAFFIC SIGNAL/LIGHTING
— W — — W —	WATER
— FM — — FM —	FORCE MAIN
— FO — — FO —	FIBER OPTIC
⊕	TBE TEST HOLE
EOI	END OF INFORMATION

UTILITY OWNERS	
AT&T	- FIBER OPTIC/TELEPHONE
CITY OF CHICAGO	- ELECTRIC
CITY OF CHICAGO	- WATER
CITY OF PARK RIDGE	- WATER
CTA	- ELECTRIC
COM-ED	- ELECTRIC
COMCAST	- CABLE TV/FIBER OPTIC
IDOT	- ELECTRIC/FIBER OPTIC
IDOT ITS	- FIBER OPTIC
ISTHA	- FIBER OPTIC
LEVEL 3	- FIBER OPTIC
MCI	- FIBER OPTIC
NICOR	- GAS
PEOPLE'S GAS	- GAS
UNKNOWN	- FIBER OPTIC/UNKNOWN
VERIZON	- FIBER OPTIC
XO	- FIBER OPTIC

Utilities shown on these plans as depicted in the legend have been investigated by Cardno TBE in accordance with SUE Industry Standards. All other information shown has been provided to Cardno TBE by others. Cardno TBE's SUE field investigation was performed 4/27/15 through 7/17/15. Changes to utilities after 7/17/15 may have been made and therefore may result in variances from this plan. Consideration should be given to updating this plan if deemed advisable prior to final design and construction.

ALL UTILITIES SHOWN QUALITY LEVEL "B"
UNLESS NOTED OTHERWISE.



TBE Job No. IL09510651
SUE Plan Page: 1 of 11

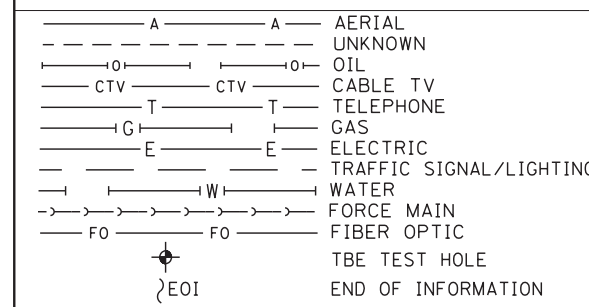
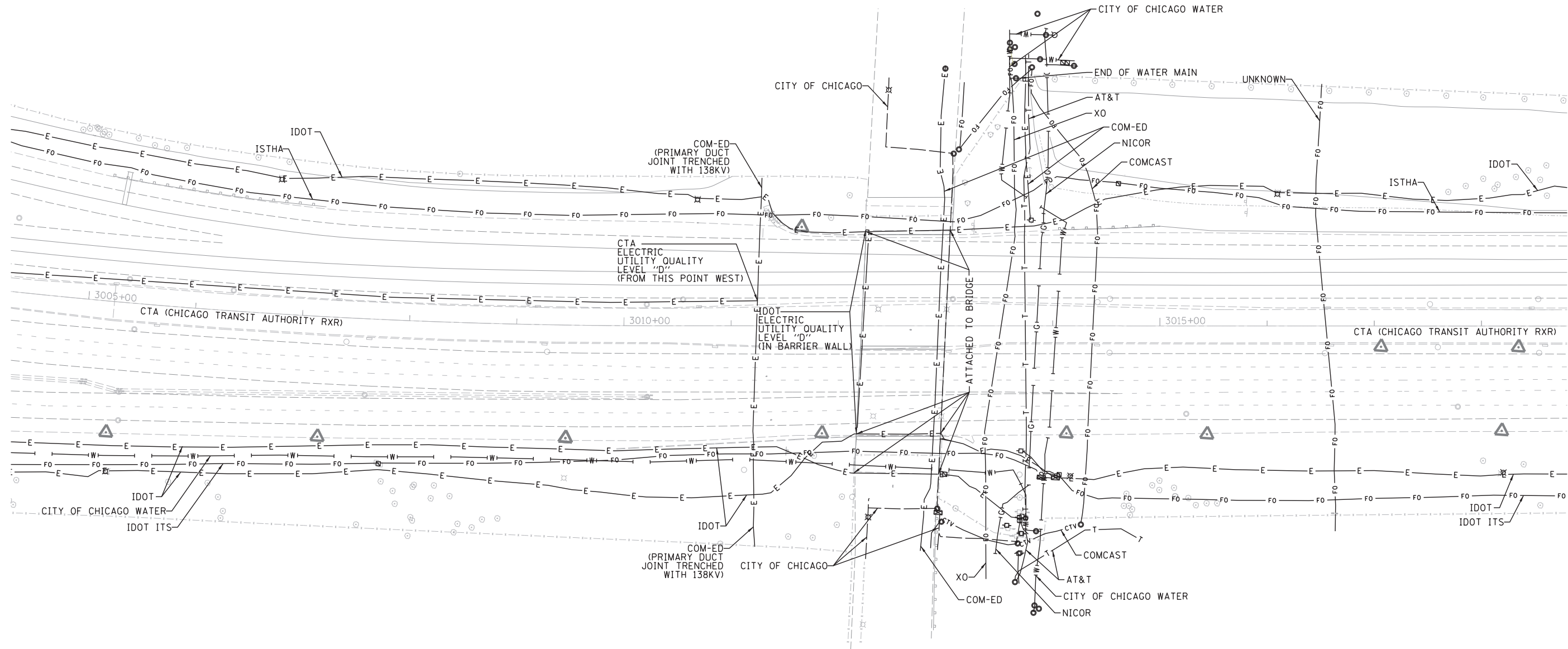
Utility Quality Level "A": Visually Verified Test Hole
Utility Quality Level "B": Designating/non Visually Verified Test Hole
Utility Quality Level "C": Research with Survey
Utility Quality Level "D": Records Research

DESIGNED LP	REVISED
DRAWN SRK	REVISED
CHECKED MGR	REVISED
DATE 7/22/15	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-90 from I-190 to Harlem Avenue
Chicago, Illinois

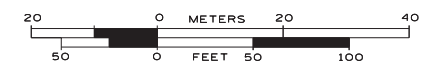
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	N/A	Cook	557	153
FED. ROAD DIST. NO.		ILLINOIS	Contract No. 60Y38 & 60Y39	
		IDOT Project No.		



UTILITY OWNERS	
AT&T - FIBER OPTIC/TELEPHONE	
CITY OF CHICAGO - ELECTRIC	
CITY OF CHICAGO WATER - WATER	
CITY OF PARK RIDGE WATER - WATER	
CTA - ELECTRIC	
COM-ED - ELECTRIC	
COMCAST - CABLE TV/FIBER OPTIC	
IDOT - ELECTRIC/FIBER OPTIC	
IDOT ITS - FIBER OPTIC	
ISTHA - FIBER OPTIC	
LEVEL 3 - FIBER OPTIC	
MCI - FIBER OPTIC	
NICOR - GAS	
PEOPLE'S GAS - GAS	
UNKNOWN - FIBER OPTIC/UNKNOWN	
VERIZON - FIBER OPTIC	
XO - FIBER OPTIC	

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ALL UTILITIES SHOWN QUALITY LEVEL "B"
UNLESS NOTED OTHERWISE.



TBE Job No. IL09510651
SUE Plan Page: of 11

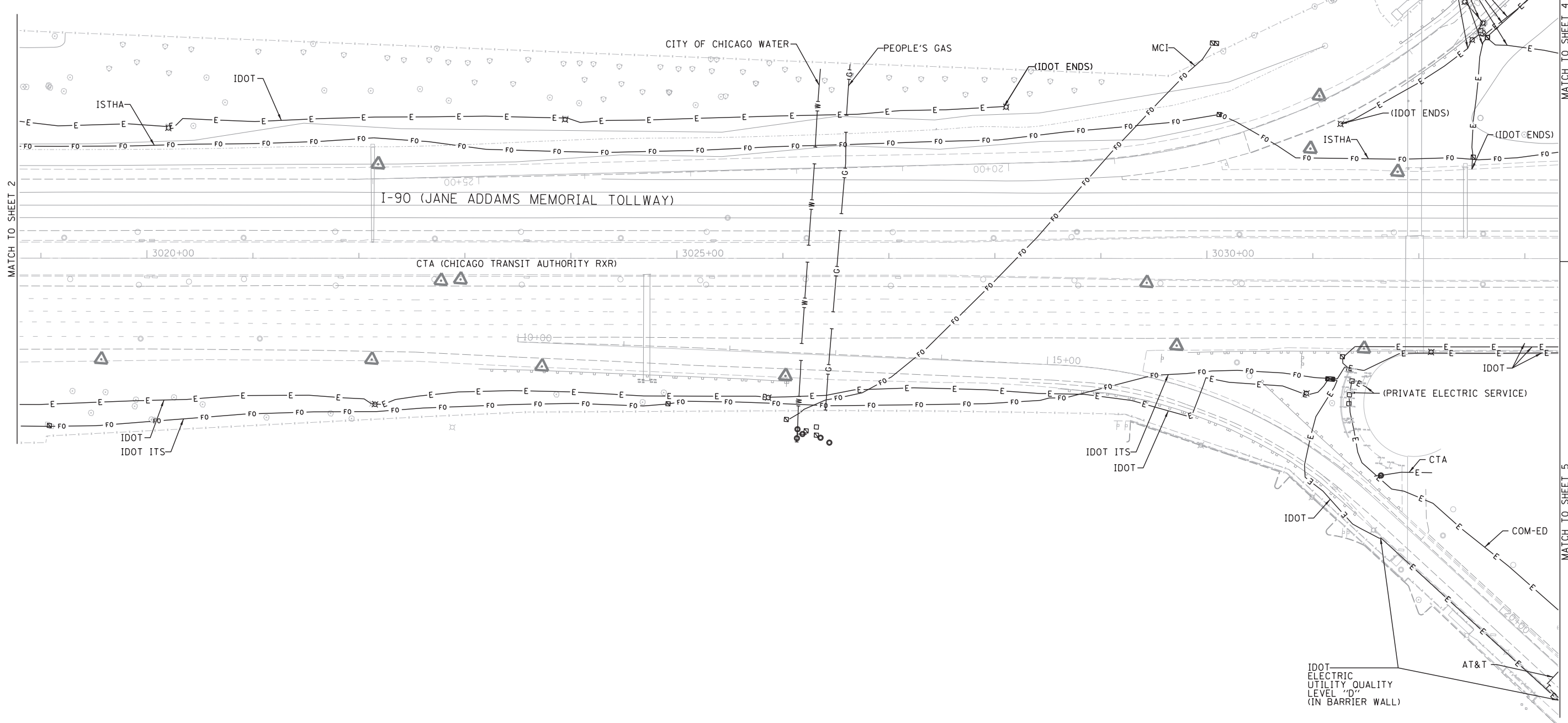
Utility Quality Level "A" : Visually Verified Test Hole
Utility Quality Level "B" : Designating/non Visually Verified Test Hole
Utility Quality Level "C" : Research with Survey
Utility Quality Level "D" : Records Research

DESIGNED LP	REVISED
DRAWN SRK	REVISED
CHECKED MGR	REVISED
DATE 7/22/15	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-90 from I-190 to Harlem Avenue
Chicago, Illinois

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	Cook	557	154
FED. ROAD DIST. NO.		ILLINOIS	Contract No. 60Y38 & 60Y39	
		IDOT Project No.		



MATCH TO SHEET 2

MATCH TO SHEET 4

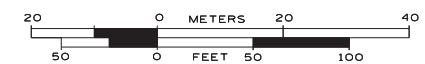
MATCH TO SHEET 5

—A—	A	AERIAL
- - -	UNKNOWN	
—O—	OIL	
—CTV—	CTV	CABLE TV
—T—	T	TELEPHONE
—G—	G	GAS
—E—	E	ELECTRIC
—W—	W	TRAFFIC SIGNAL/LIGHTING
—FO—	FO	WATER
—FM—	FM	FORCE MAIN
—FO—	FO	FIBER OPTIC
⊕	TBE TEST HOLE	
EOI	END OF INFORMATION	

UTILITY OWNERS	
AT&T - FIBER OPTIC/TELEPHONE	
CITY OF CHICAGO - ELECTRIC	
CITY OF CHICAGO WATER - WATER	
CITY OF PARK RIDGE WATER - WATER	
CTA - ELECTRIC	
COM-ED - ELECTRIC	
COMCAST - CABLE TV/FIBER OPTIC	
IDOT - ELECTRIC/FIBER OPTIC	
IDOT ITS - FIBER OPTIC	
ISTHA - FIBER OPTIC	
LEVEL 3 - FIBER OPTIC	
MCI - FIBER OPTIC	
NICOR - GAS	
PEOPLE'S GAS - GAS	
UNKNOWN - FIBER OPTIC/UNKNOWN	
VERIZON - FIBER OPTIC	
XO - FIBER OPTIC	

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ALL UTILITIES SHOWN QUALITY LEVEL "B" UNLESS NOTED OTHERWISE.



TBE Job No. IL09510651
SUE Plan Page: 3 of 11

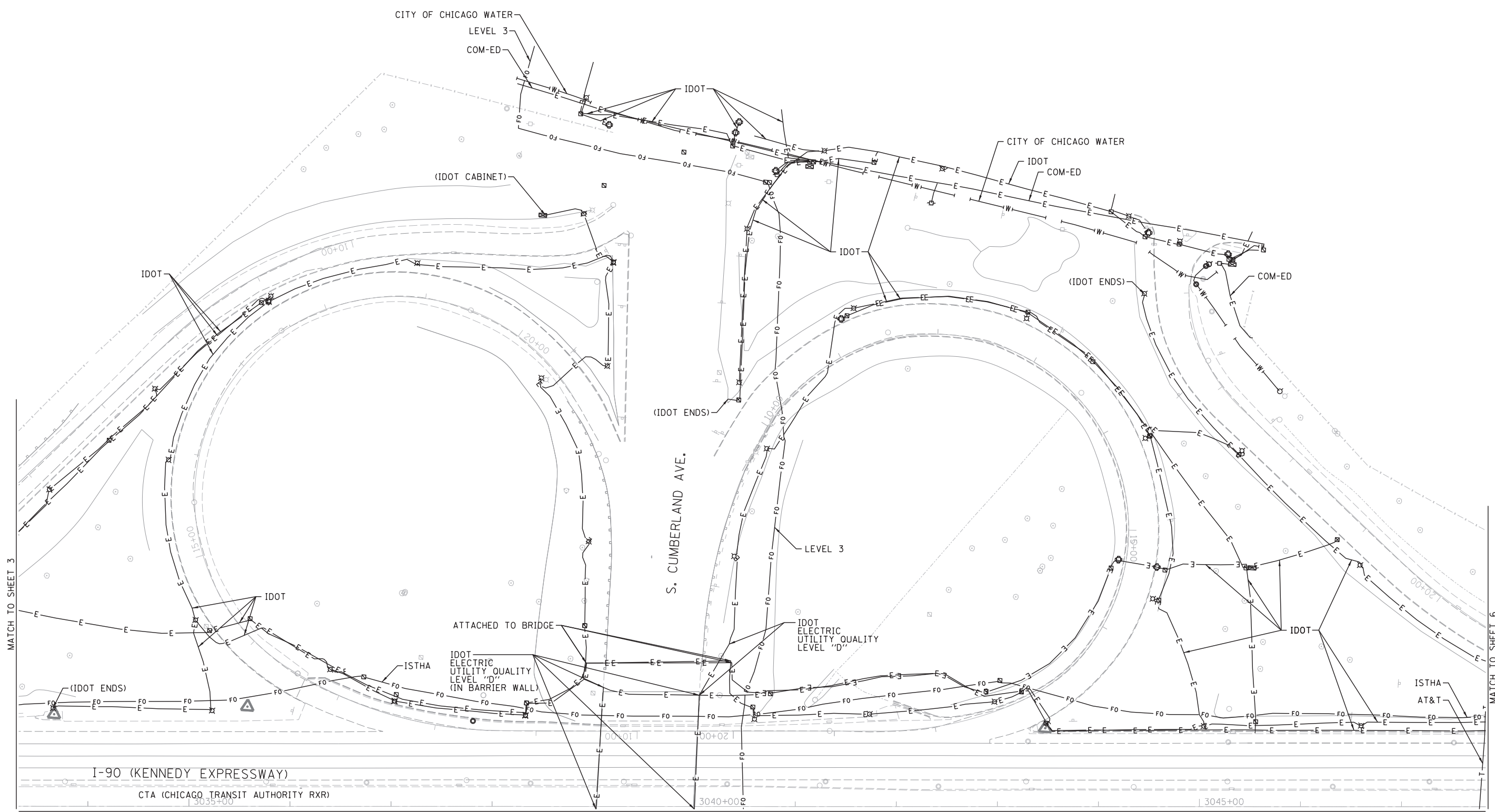
Utility Quality Level "A" : Visually Verified Test Hole
Utility Quality Level "B" : Designating/non Visually Verified Test Hole
Utility Quality Level "C" : Research with Survey
Utility Quality Level "D" : Records Research

DESIGNED LP	REVISED
DRAWN SRK	REVISED
CHECKED MGR	REVISED
DATE 7/22/15	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-90 from I-190 to Harlem Avenue
Chicago, Illinois

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	Cook	557	155
FED. ROAD DIST. NO.		ILLINOIS	Contract No. 60Y38 & 60Y39	
		IDOT Project No.		

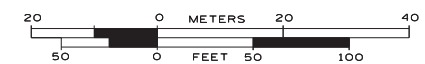


—A—A—	AERIAL
- - - -	UNKNOWN
—O—O—	OIL
—CTV—CTV—	CABLE TV
—T—T—	TELEPHONE
—G—G—	GAS
—E—E—	ELECTRIC
—W—W—	TRAFFIC SIGNAL/LIGHTING
—W—W—	WATER
—F—F—	FORCE MAIN
—FO—FO—	FIBER OPTIC
⊕	TBE TEST HOLE
⊕EOI	END OF INFORMATION

UTILITY OWNERS	
AT&T - FIBER OPTIC/TELEPHONE	
CITY OF CHICAGO - ELECTRIC	
CITY OF CHICAGO WATER - WATER	
CITY OF PARK RIDGE WATER - WATER	
CTA - ELECTRIC	
COM-ED - ELECTRIC	
COMCAST - CABLE TV/FIBER OPTIC	
IDOT - ELECTRIC/FIBER OPTIC	
IDOT ITS - FIBER OPTIC	
ISTHA - FIBER OPTIC	
LEVEL 3 - FIBER OPTIC	
MCI - FIBER OPTIC	
NICOR - GAS	
PEOPLE'S GAS - GAS	
UNKNOWN - FIBER OPTIC/UNKNOWN	
VERIZON - FIBER OPTIC	
XO - FIBER OPTIC	

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ALL UTILITIES SHOWN QUALITY LEVEL "B"
UNLESS NOTED OTHERWISE.



TBE Job No. IL09510651
SUE Plan Page: 4 of 11

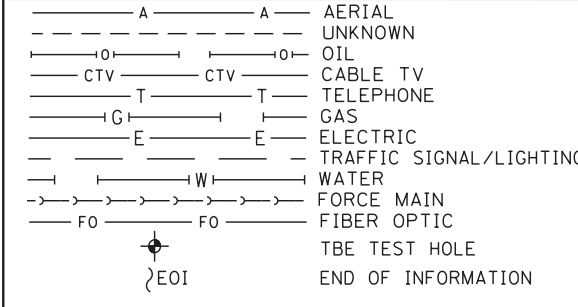
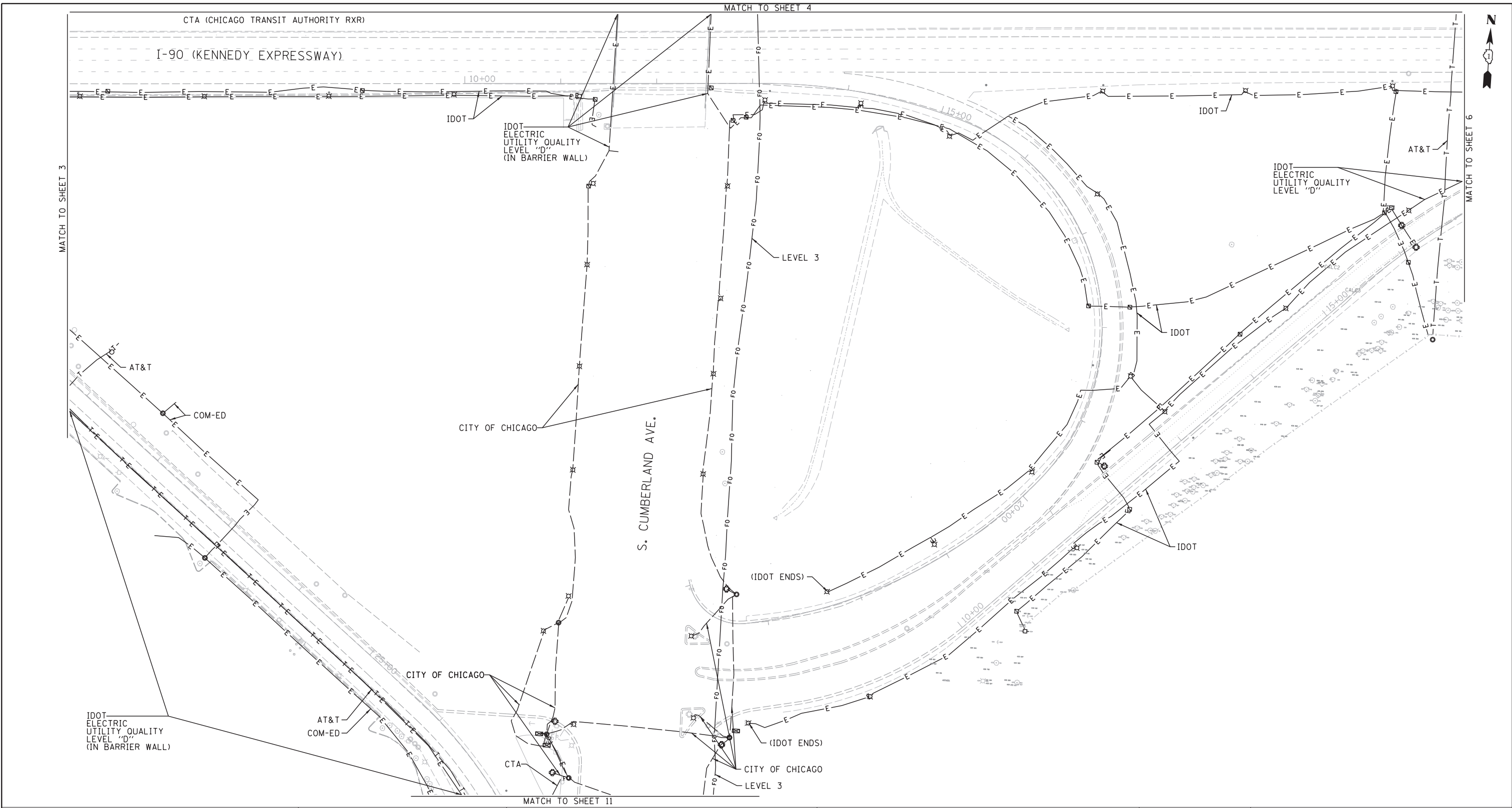
Utility Quality Level "A" : Visually Verified Test Hole
Utility Quality Level "B" : Designating/non Visually Verified Test Hole
Utility Quality Level "C" : Research with Survey
Utility Quality Level "D" : Records Research

DESIGNED LP	REVISED
DRAWN SRK	REVISED
CHECKED MGR	REVISED
DATE 7/22/15	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-90 from I-190 to Harlem Avenue
Chicago, Illinois

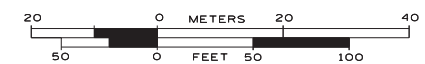
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	Cook	557	156
FED. ROAD DIST. NO.		ILLINOIS	Contract No. 60Y38 & 60Y39	
		IDOT Project No.		



UTILITY OWNERS	
AT&T - FIBER OPTIC/TELEPHONE	
CITY OF CHICAGO - ELECTRIC	
CITY OF CHICAGO WATER - WATER	
CITY OF PARK RIDGE WATER - WATER	
CTA - ELECTRIC	
COM-ED - ELECTRIC	
COMCAST - CABLE TV/FIBER OPTIC	
IDOT - ELECTRIC/FIBER OPTIC	
IDOT ITS - FIBER OPTIC	
ISTHA - FIBER OPTIC	
LEVEL 3 - FIBER OPTIC	
MCI - FIBER OPTIC	
NICOR - GAS	
PEOPLE'S GAS - GAS	
UNKNOWN - FIBER OPTIC/UNKNOWN	
VERIZON - FIBER OPTIC	
XO - FIBER OPTIC	

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TBE Job No. IL09510651
SUE Plan Page: 5 of 11

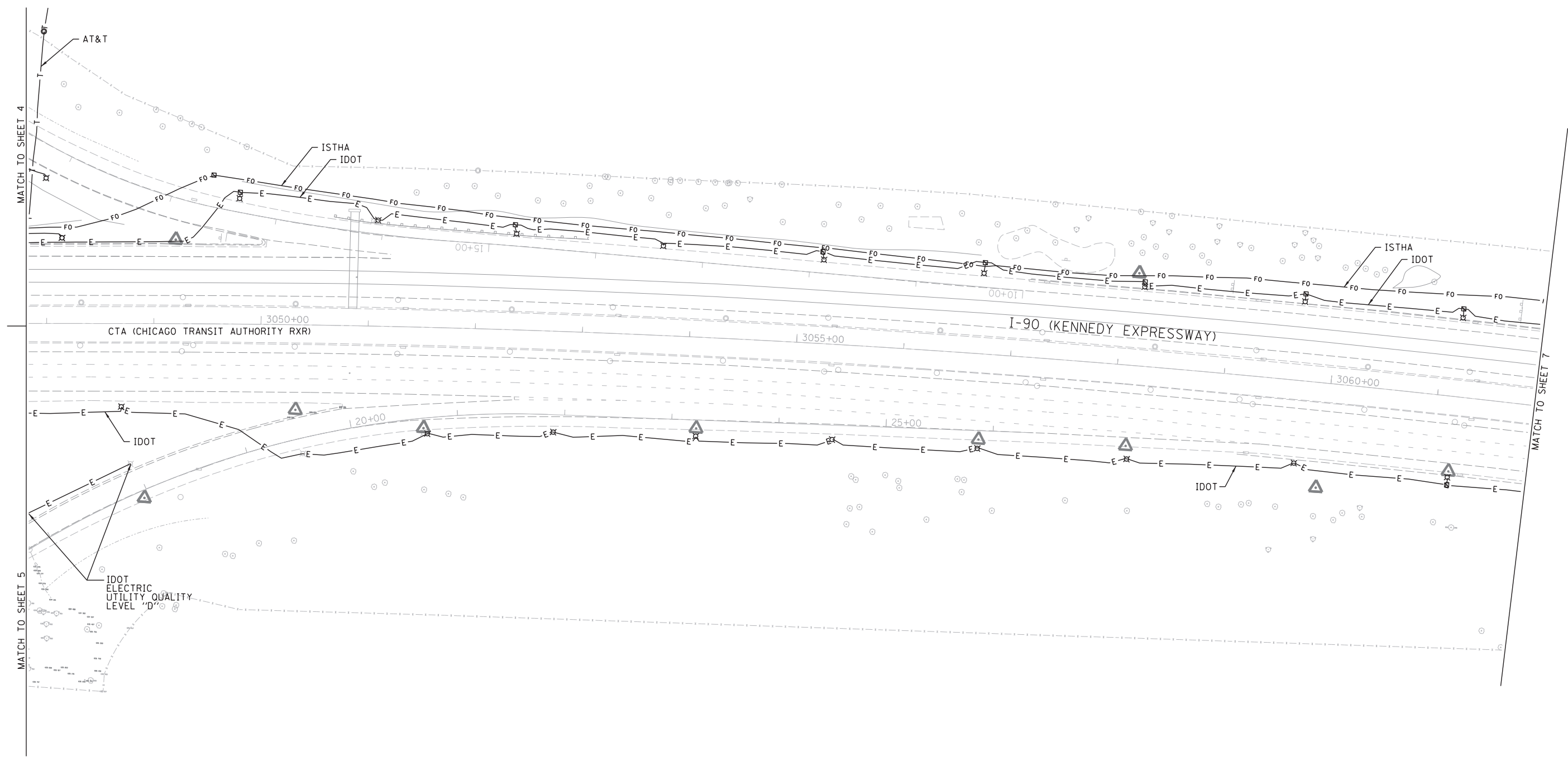
Utility Quality Level "A" : Visually Verified Test Hole
Utility Quality Level "B" : Designating/non Visually Verified Test Hole
Utility Quality Level "C" : Research with Survey
Utility Quality Level "D" : Records Research

DESIGNED LP	REVISED
DRAWN SRK	REVISED
CHECKED MGR	REVISED
DATE 7/22/15	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-90 from I-190 to Harlem Avenue
Chicago, Illinois

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	Cook	557	157
FED. ROAD DIST. NO.		ILLINOIS	IDOT Project No.	

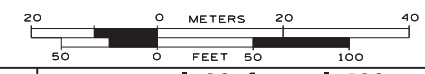


—A—A—	AERIAL
—O—O—	UNKNOWN
— — —	OIL
—CTV—CTV—	CABLE TV
—T—T—	TELEPHONE
—G—G—	GAS
—E—E—	ELECTRIC
— — —	TRAFFIC SIGNAL/LIGHTING
—W—W—	WATER
—>—>—	FORCE MAIN
—FO—FO—	FIBER OPTIC
⊕	TBE TEST HOLE
EOI	END OF INFORMATION

UTILITY OWNERS	
AT&T	- FIBER OPTIC/TELEPHONE
CITY OF CHICAGO	- ELECTRIC
CITY OF CHICAGO	- WATER
CITY OF PARK RIDGE	- WATER
CTA	- ELECTRIC
COM-ED	- ELECTRIC
COMCAST	- CABLE TV/FIBER OPTIC
IDOT	- ELECTRIC/FIBER OPTIC
IDOT ITS	- FIBER OPTIC
ISTHA	- FIBER OPTIC
LEVEL 3	- FIBER OPTIC
ISTHA	- FIBER OPTIC
MCI	- FIBER OPTIC
NICOR	- GAS
PEOPLE'S GAS	- GAS
UNKNOWN	- FIBER OPTIC/UNKNOWN
VERIZON	- FIBER OPTIC
XO	- FIBER OPTIC

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TBE Job No. IL09510651
SUE Plan Page: 6 of 11

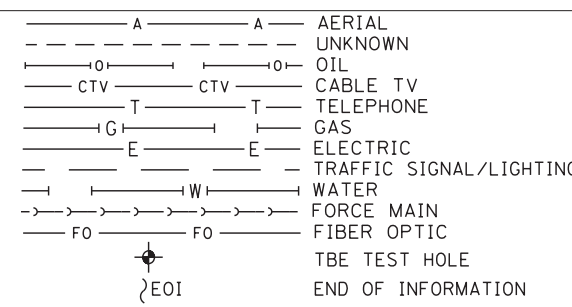
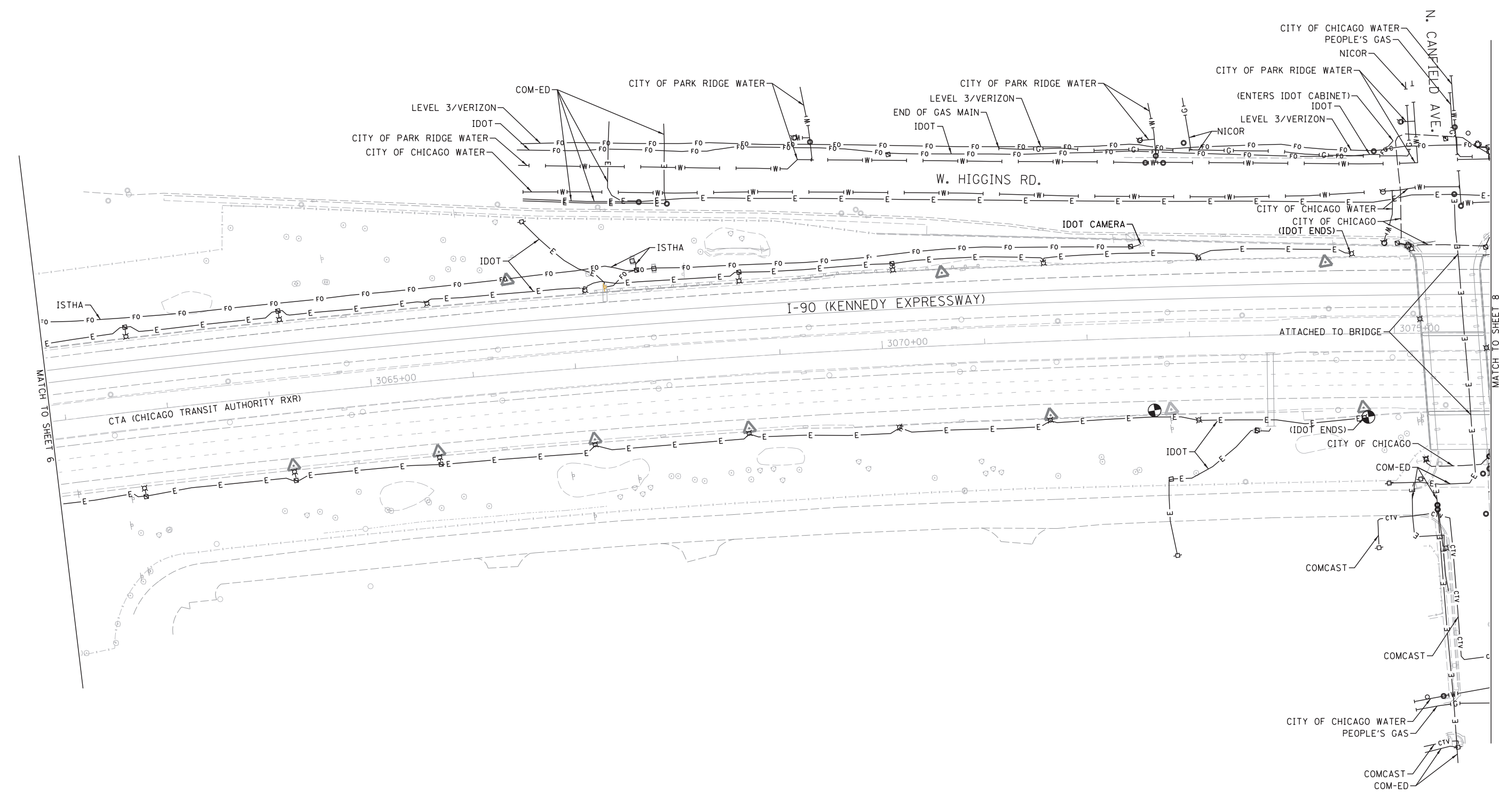
Utility Quality Level "A" : Visually Verified Test Hole
Utility Quality Level "B" : Designating/non Visually Verified Test Hole
Utility Quality Level "C" : Research with Survey
Utility Quality Level "D" : Records Research

DESIGNED	LP	REVISED
DRAWN	SRK	REVISED
CHECKED	MGR	REVISED
DATE	7/22/15	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-90 from I-190 to Harlem Avenue
Chicago, Illinois

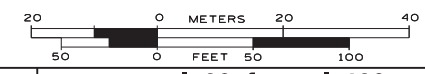
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	Cook	557	158
FED. ROAD DIST. NO.		ILLINOIS	Contract No. 60Y38 & 60Y39	
		IDOT Project No.		



UTILITY OWNERS	
AT&T - FIBER OPTIC/TELEPHONE	
CITY OF CHICAGO - ELECTRIC	
CITY OF CHICAGO WATER - WATER	
CITY OF PARK RIDGE WATER - WATER	
CTA - ELECTRIC	
COM-ED - ELECTRIC	
COMCAST - CABLE TV/FIBER OPTIC	
IDOT - ELECTRIC/FIBER OPTIC	
IDOT ITS - FIBER OPTIC	
ISTHA - FIBER OPTIC	
LEVEL 3 - FIBER OPTIC	
MCI - FIBER OPTIC	
NICOR - GAS	
PEOPLE'S GAS - GAS	
UNKNOWN - FIBER OPTIC/UNKNOWN	
VERIZON - FIBER OPTIC	
XO - FIBER OPTIC	

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ALL UTILITIES SHOWN QUALITY LEVEL "B"
UNLESS NOTED OTHERWISE.



TBE Job No. IL09510651
SUE Plan Page: 7 of 11

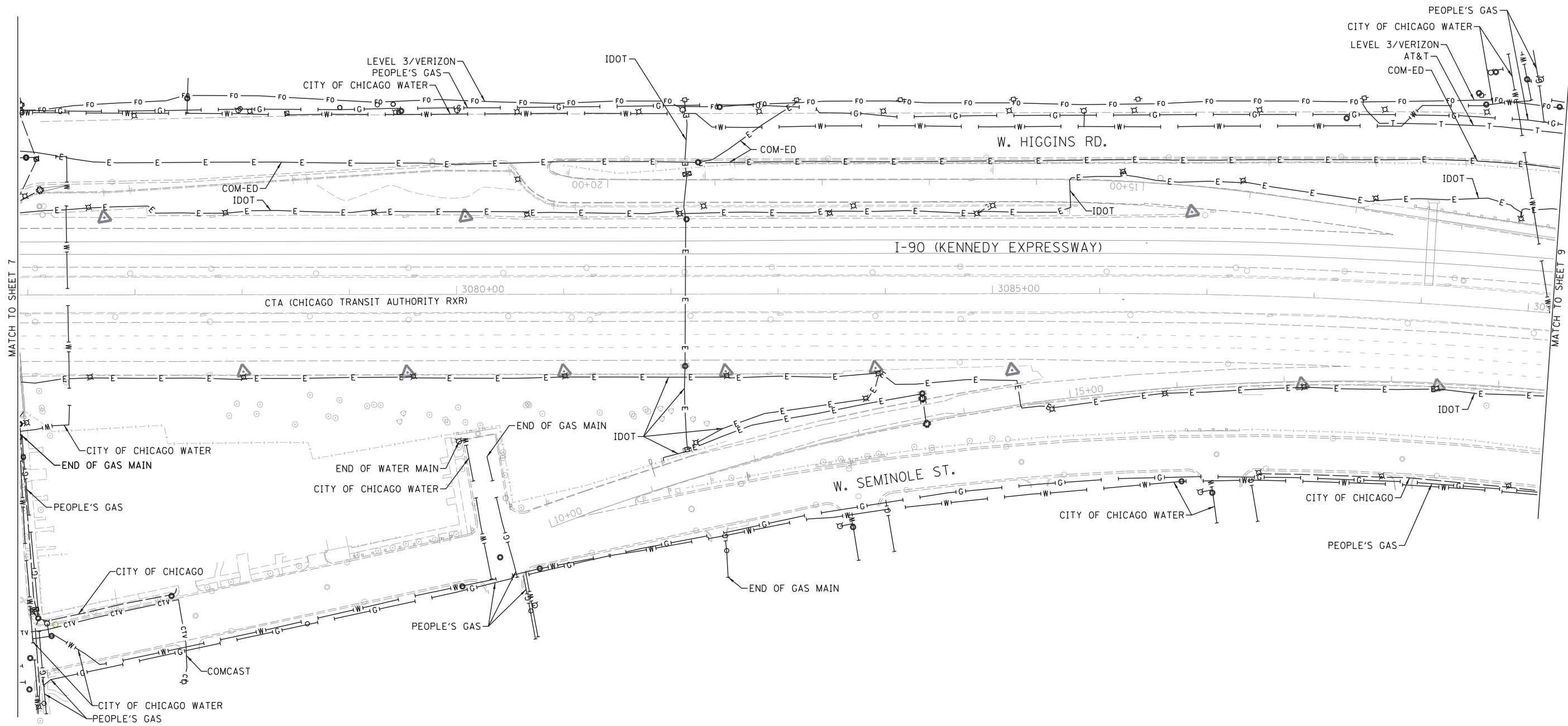
Utility Quality Level "A" : Visually Verified Test Hole
Utility Quality Level "B" : Designating/non Visually Verified Test Hole
Utility Quality Level "C" : Research with Survey
Utility Quality Level "D" : Records Research

DESIGNED LP	REVISED
DRAWN SRK	REVISED
CHECKED MGR	REVISED
DATE 7/22/15	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-90 from I-190 to Harlem Avenue
Chicago, Illinois

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	Cook	557	159
FED. ROAD DIST. NO.		ILLINOIS	Contract No. 60Y38 & 60Y39	
		IDOT Project No.		

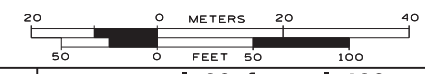


—A—	A	AERIAL
---	---	UNKNOWN
—O—	O	OIL
—CTV—	CTV	CABLE TV
—T—	T	TELEPHONE
—G—	G	GAS
—E—	E	ELECTRIC
—W—	W	TRAFFIC SIGNAL/LIGHTING
—W—	W	WATER
—FM—	FM	FORCE MAIN
—FO—	FO	FIBER OPTIC
⊕		TBE TEST HOLE
EOI		END OF INFORMATION

UTILITY OWNERS	
AT&T	- FIBER OPTIC/TELEPHONE
CITY OF CHICAGO	- ELECTRIC
CITY OF CHICAGO WATER	- WATER
CITY OF PARK RIDGE WATER	- WATER
CTA	- ELECTRIC
COM-ED	- ELECTRIC
COMCAST	- CABLE TV/FIBER OPTIC
IDOT	- ELECTRIC/FIBER OPTIC
IDOT ITS	- FIBER OPTIC
ISTHA	- FIBER OPTIC
LEVEL 3	- FIBER OPTIC
MCI	- FIBER OPTIC
NICOR	- GAS
PEOPLE'S GAS	- GAS
UNKNOWN	- FIBER OPTIC/UNKNOWN
VERIZON	- FIBER OPTIC
XO	- FIBER OPTIC

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TBE Job No. IL09510651
SUE Plan Page: 8 of 11

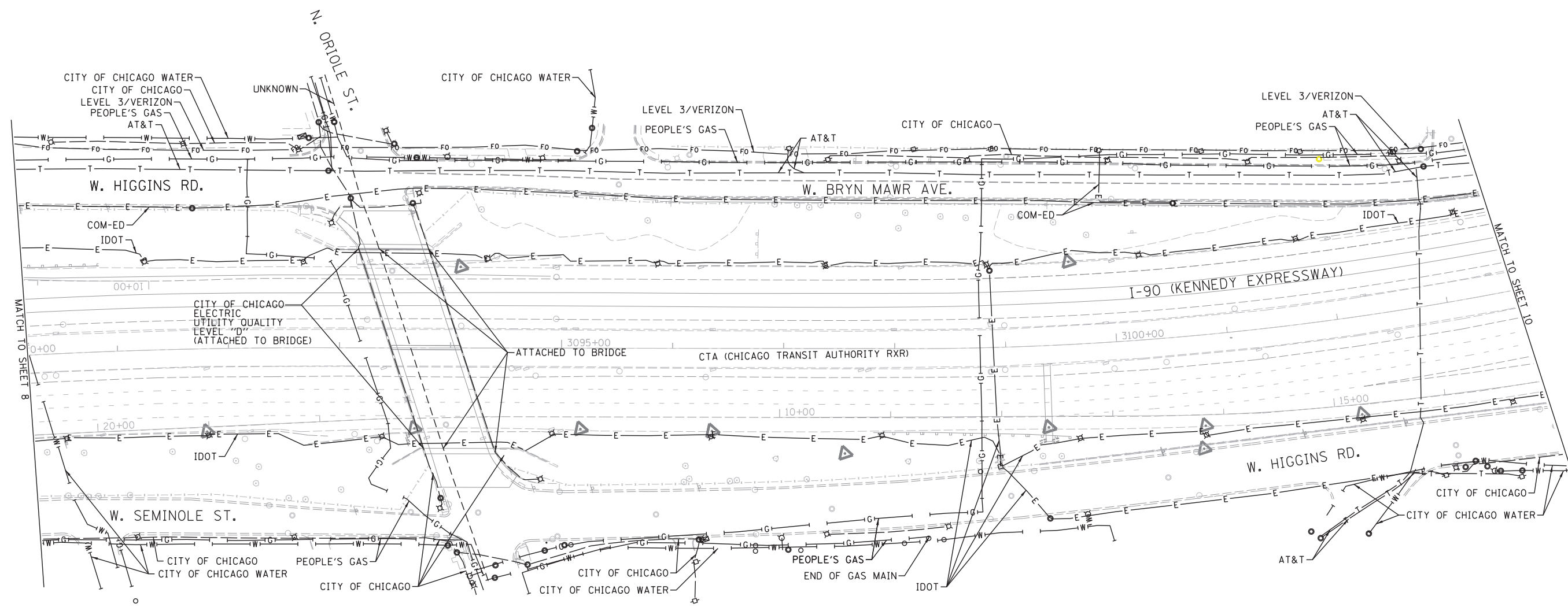
Utility Quality Level "A": Visually Verified Test Hole
Utility Quality Level "B": Designating/non Visually Verified Test Hole
Utility Quality Level "C": Research with Survey
Utility Quality Level "D": Records Research

DESIGNED	LP	REVISED
DRAWN	SRK	REVISED
CHECKED	MGR	REVISED
DATE	7/22/15	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-90 from I-190 to Harlem Avenue
Chicago, Illinois

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	Cook	557	160
FED. ROAD DIST. NO.	ILLINOIS	IDOT Project No.	Contract No. 60Y38 & 60Y39	

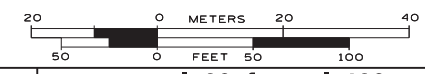


—A—	A	AERIAL
- - -	UNKNOWN	UNKNOWN
—O—	OIL	OIL
—CTV—	CTV	CABLE TV
—T—	T	TELEPHONE
—G—	G	GAS
—E—	E	ELECTRIC
—W—	W	TRAFFIC SIGNAL/LIGHTING
—FO—	FO	FORCE MAIN
—FO—	FO	FIBER OPTIC
⊕	TBE TEST HOLE	TBE TEST HOLE
EOI	END OF INFORMATION	END OF INFORMATION

UTILITY OWNERS	
AT&T	- FIBER OPTIC/TELEPHONE
CITY OF CHICAGO	- ELECTRIC
CITY OF CHICAGO WATER	- WATER
CITY OF PARK RIDGE WATER	- WATER
CTA	- ELECTRIC
COM-ED	- ELECTRIC
COMCAST	- CABLE TV/FIBER OPTIC
IDOT	- ELECTRIC/FIBER OPTIC
IDOT ITS	- FIBER OPTIC
ISTHA	- FIBER OPTIC
LEVEL 3	- FIBER OPTIC
MCI	- FIBER OPTIC
NICOR	- GAS
PEOPLE'S GAS	- GAS
UNKNOWN	- FIBER OPTIC/UNKNOWN
VERIZON	- FIBER OPTIC
XO	- FIBER OPTIC

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UNLESS NOTED OTHERWISE.



TBE Job No. IL09510651
SUE Plan Page: 9 of 11

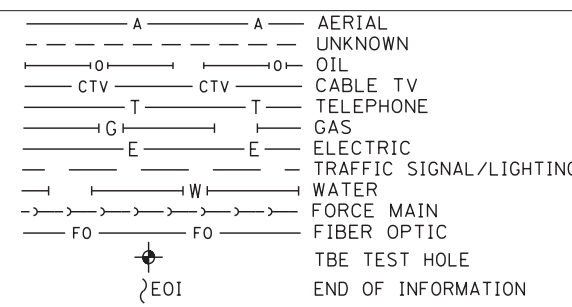
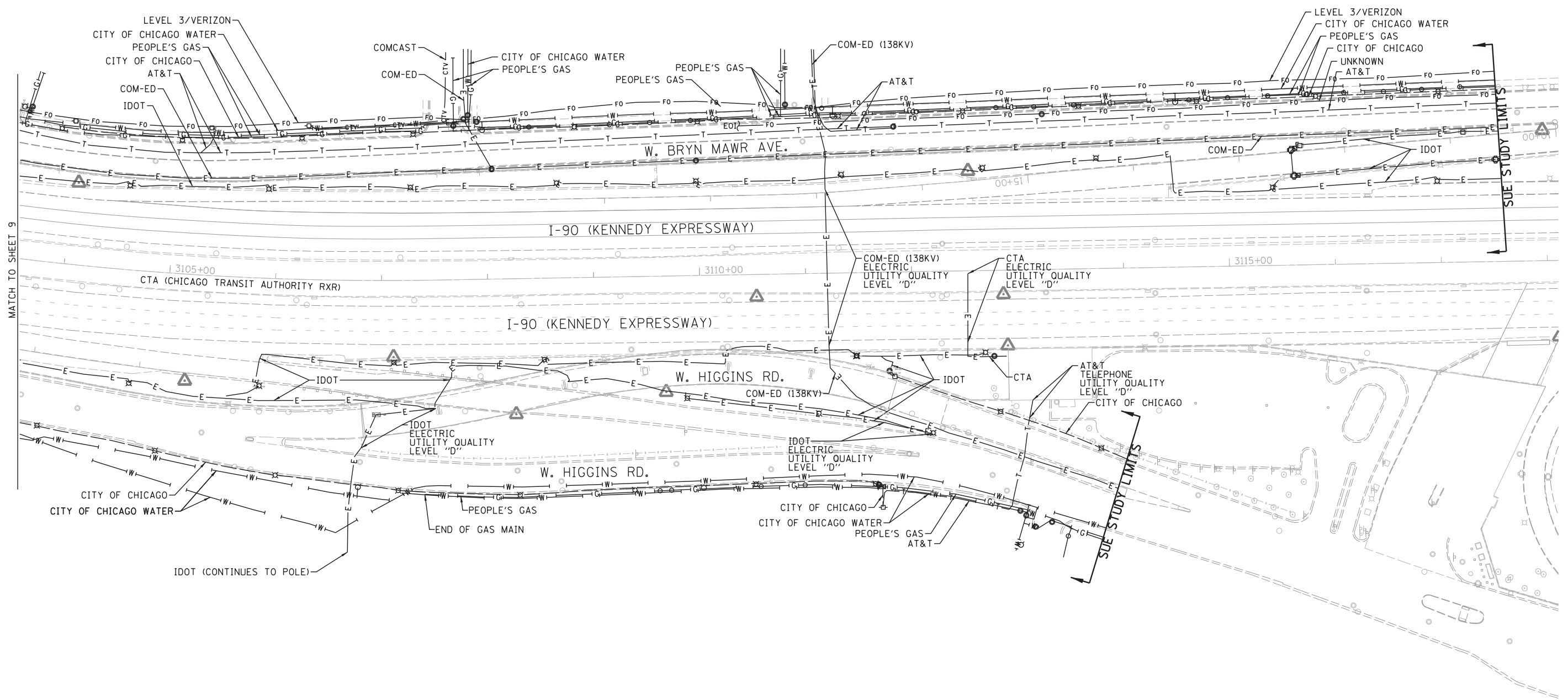
Utility Quality Level "A" : Visually Verified Test Hole
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Utility Quality Level "C" : Research with Survey
Utility Quality Level "D" : Records Research

DESIGNED	LP	REVISED
DRAWN	SRK	REVISED
CHECKED	MGR	REVISED
DATE	7/22/15	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-90 from I-190 to Harlem Avenue
Chicago, Illinois

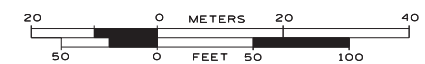
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	Cook	557	161
FED. ROAD DIST. NO.		ILLINOIS	IDOT Project No.	
			Contract No. 60Y38 & 60Y39	



UTILITY OWNERS	
AT&T - FIBER OPTIC/TELEPHONE	
CITY OF CHICAGO - ELECTRIC	
CITY OF CHICAGO WATER - WATER	
CITY OF PARK RIDGE WATER - WATER	
CTA - ELECTRIC	
COM-ED - ELECTRIC	
COMCAST - CABLE TV/FIBER OPTIC	
IDOT - ELECTRIC/FIBER OPTIC	
IDOT ITS - FIBER OPTIC	
ISTHA - FIBER OPTIC	
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PEOPLE'S GAS - GAS	
UNKNOWN - FIBER OPTIC/UNKNOWN	
VERIZON - FIBER OPTIC	
XO - FIBER OPTIC	

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TBE Job No. IL09510651
SUE Plan Page: 10 of 11

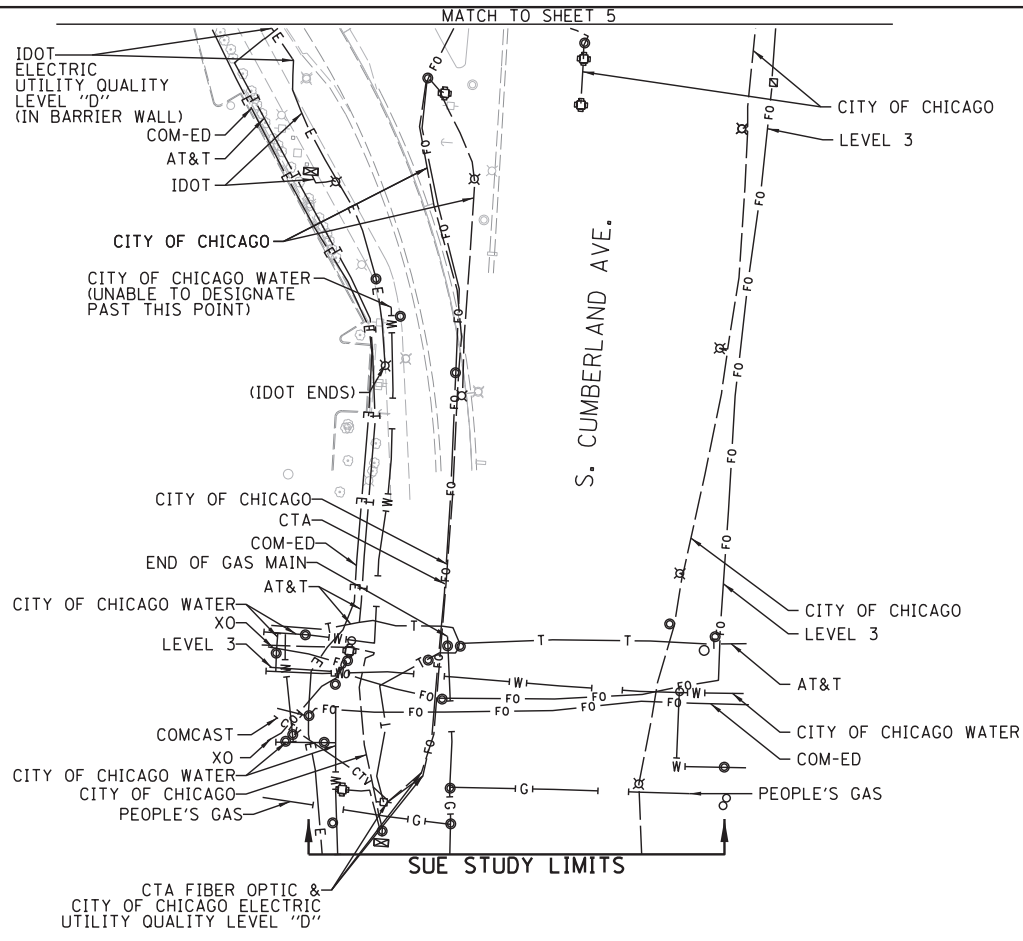
Utility Quality Level "A" : Visually Verified Test Hole
Utility Quality Level "B" : Designating/non Visually Verified Test Hole
Utility Quality Level "C" : Research with Survey
Utility Quality Level "D" : Records Research

DESIGNED LP	REVISED
DRAWN SRK	REVISED
CHECKED MGR	REVISED
DATE 7/22/15	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-90 from I-190 to Harlem Avenue
Chicago, Illinois

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	Cook	557	162
FED. ROAD DIST. NO.		ILLINOIS	IDOT Project No.	

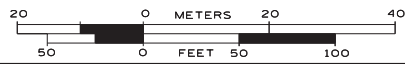


—A—A—	AERIAL
---	UNKNOWN
—O—O—	OIL
—CTV—CTV—	CABLE TV
—T—T—	TELEPHONE
—G—G—	GAS
—E—E—	ELECTRIC
—W—W—	TRAFFIC SIGNAL/LIGHTING
—	WATER
—F—F—	FORCE MAIN
—FO—FO—	FIBER OPTIC
⊕	TBE TEST HOLE
EOI	END OF INFORMATION

UTILITY OWNERS	
AT&T	- FIBER OPTIC/TELEPHONE
CITY OF CHICAGO	- ELECTRIC
CITY OF CHICAGO WATER	- WATER
CITY OF PARK RIDGE WATER	- WATER
CTA	- ELECTRIC
COM-ED	- ELECTRIC
COMCAST	- CABLE TV/FIBER OPTIC
IDOT	- ELECTRIC/FIBER OPTIC
IDOT ITS	- FIBER OPTIC
ISTHA	- FIBER OPTIC
LEVEL 3	- FIBER OPTIC
MCI	- FIBER OPTIC
NICOR	- GAS
PEOPLE'S GAS	- GAS
UNKNOWN	- FIBER OPTIC/UNKNOWN
VERIZON	- FIBER OPTIC
XO	- FIBER OPTIC

Utilities shown on these plans as depicted in the legend have been investigated by Cardno TBE in accordance with SUE Industry Standards. All other information shown has been provided to Cardno TBE by others. Cardno TBE's SUE field investigation was performed 4/27/15 through 7/17/15. Changes to utilities after 7/17/15 may have been made and therefore may result in variances from this plan. Consideration should be given to updating this plan if deemed advisable prior to final design and construction.

ALL UTILITIES SHOWN QUALITY LEVEL "B" UNLESS NOTED OTHERWISE.



TBE Job No. IL09510651
SUE Plan Page: 11 of 11

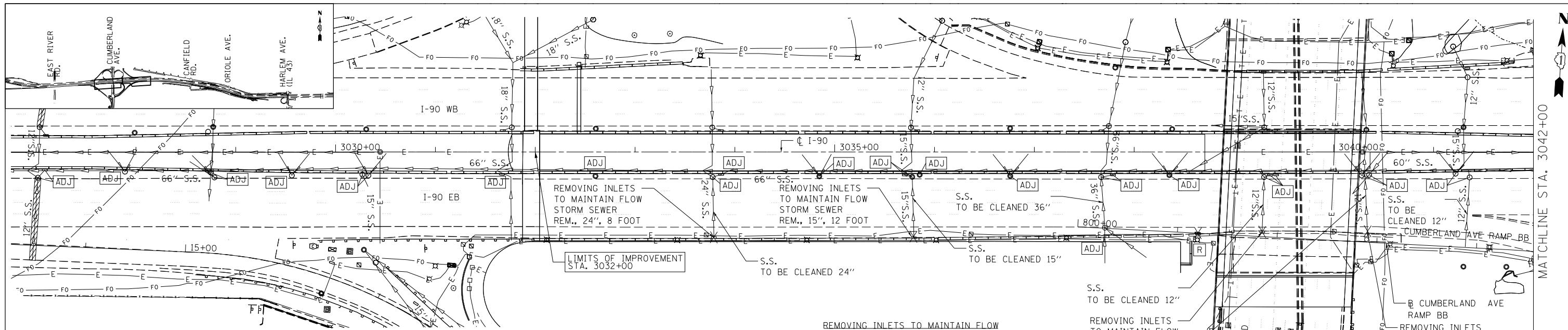
Utility Quality Level "A" : Visually Verified Test Hole
Utility Quality Level "B" : Designating/non Visually Verified Test Hole
Utility Quality Level "C" : Research with Survey
Utility Quality Level "D" : Records Research

DESIGNED	LP	REVISED
DRAWN	SRK	REVISED
CHECKED	MGR	REVISED
DATE	7/22/15	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-90 from I-190 to Harlem Avenue
Chicago, Illinois

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	Cook	557	163
Contract No. 60Y38 & 60Y39				
FED. ROAD DIST. NO.	ILLINOIS	IDOT Project No.		



FRAMES AND LIDS TO BE ADJUSTED (CATCH BASINS)	FRAMES AND LIDS TO BE ADJUSTED (INLETS)
STA. 3027+01.84, 25.8' RT	STA. 3027+08.76, 18.1' RT
STA. 3027+88.97, 19.7' RT	STA. 3031+66.66, 22.3' RT
STA. 3028+75.11, 20.7' RT	STA. 3033+86.34, 22.5' RT
STA. 3028+78.69, 25.5' RT	STA. 3035+70.29, 23.2' RT
STA. 3029+56.16, 23.5' RT	STA. 3037+78.77, 23.0' RT
STA. 3030+26.92, 22.6' RT	STA. 3039+36.03, 23.2' RT
STA. 3030+32.93, 23.5' RT	STA. 3039+41.83, 23.0' RT
STA. 3033+77.79, 25.3' RT	
STA. 3037+66.92, 25.1' RT	STORM SEWER REMOVAL - 15"
STA. 3039+30.24, 25.1' RT	STA. 3035+76.94 - 12.0 FT
STA. 3040+27.99, 23.5' RT	
STA. 3040+35.35, 22.9' RT	STORM SEWER REMOVAL - 24"
STA. 3041+22.07, 21.7' RT	STA. 3033+79.00 - 8.0 FT
STA. 3041+36.12, 25.4' RT	STA. 3044+99.42 - 31.0 FT

EXISTING DRAINAGE REMOVAL LEGEND

EXISTING REMOVAL	DESCRIPTION
[R]	DRAINAGE STRUCTURE TO BE REMOVED
[ADJ]	FRAMES AND LIDS TO BE ADJUSTED
[AB]	FILLING EXISTING STORM SEWERS
[C]	DRAINAGE STR. TO BE CLEANED IN PRE-STAGE A (SEE NOTE 1)
[X]	INLET REMOVAL
[O]	CATCH BASIN REMOVAL
[M]	MANHOLE REMOVAL
[E]	END SECTION REMOVAL
[S]	STORM SEWER REMOVAL
[U]	PIPE UNDERDRAIN REMOVAL
[ADJS]	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)

REMOVING INLETS TO MAINTAIN FLOW
STA. 3033+79.00 - 85.5' RT
STA. 3035+79.00 - 84.9' RT

STORM SEWERS TO BE CLEANED 12"
STA. 3039+29.00 - 54.8 FT
STA. 3040+31.00 - 71.8 FT

STORM SEWERS TO BE CLEANED 15"
STA. 3035+79.00 - 49.0 FT

STORM SEWERS TO BE CLEANED 24"
STA. 3033+79.00 - 51.0 FT

STORM SEWERS TO BE CLEANED 36"
STA. 3037+70.00 - 51.0 FT

ERAMES AND LIDS TO BE ADJUSTED (MANHOLES)
STA. 805+02.23, 1.5' RT

REMOVING INLETS
STA. 801+20.45, 0.0' RT

REMOVING INLETS TO MAINTAIN FLOW
STA. 801+85.00, 4.9' LT
STA. 802+90.00, 11.1' LT

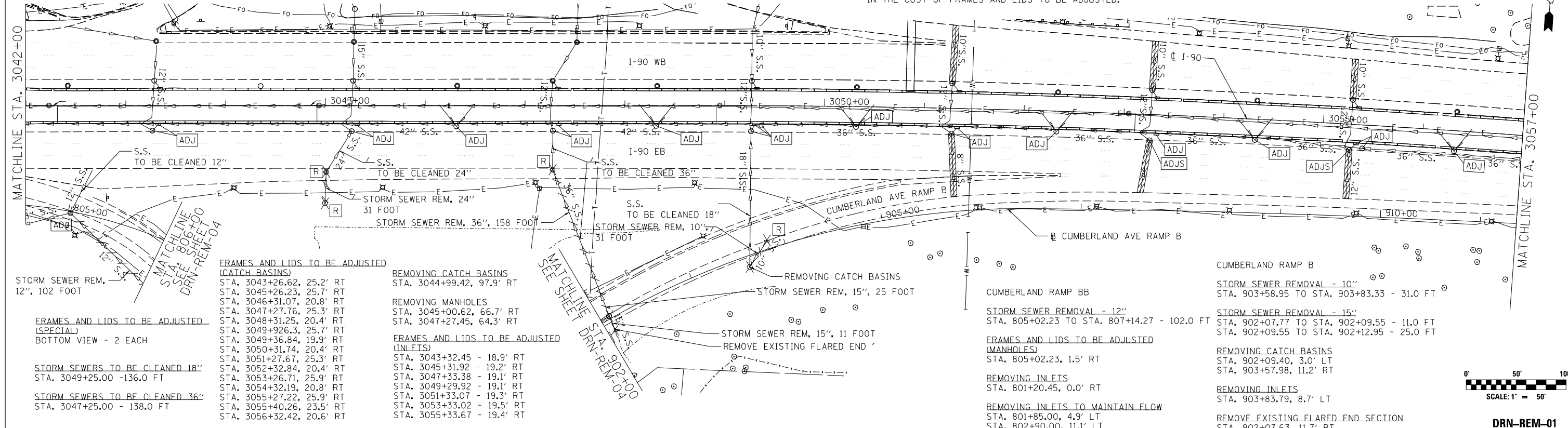
ERAMES AND LIDS TO BE ADJUSTED (MANHOLES)
STA. 3033+60.39 - 24.1' RT
STA. 3034+84.64 - 24.4' RT
STA. 3035+77.74 - 25' RT
STA. 3035+85.14 - 22.8' RT
STA. 3036+75.82 - 24' RT
STA. 3038+35.81 - 23.2' RT

STORM SEWER REMOVAL - 36"
STA. 3047+84.14 - 158.0 FT



NOTES

- EXISTING DRAINAGE STRUCTURES ALONG THE I-90 EB OUTSIDE SHOULDER AND AS NOTED IN THE LEGEND SHALL BE CLEANED DURING PRE-STAGE A PRIOR TO THE SHIFT OF TRAFFIC ONTO THE EXISTING OUTSIDE SHOULDER.
- ALL DRAINAGE STRUCTURES TO BE ADJUSTED ALONG THE EB I-90 INSIDE SHOULDER MUST BE CLEANED PRIOR TO COMPLETION OF PRE-STAGE B, AND PRIOR TO THE SHIFT OF TRAFFIC ONTO THE INSIDE SHOULDER, REGARDLESS OF WHEN THE ADJUSTMENT WORK SHALL TAKE PLACE. THE COST OF THIS CLEANING IS INCLUDED IN THE COST OF FRAMES AND LIDS TO BE ADJUSTED.



FRAMES AND LIDS TO BE ADJUSTED (CATCH BASINS)	REMOVING CATCH BASINS
STA. 3043+26.62, 25.2' RT	STA. 3044+99.42, 97.9' RT
STA. 3045+26.23, 25.7' RT	
STA. 3046+31.07, 20.8' RT	REMOVING MANHOLES
STA. 3047+27.76, 25.3' RT	STA. 3045+00.62, 66.7' RT
STA. 3048+31.25, 20.4' RT	STA. 3047+27.45, 64.3' RT
STA. 3049+926.3, 25.7' RT	
STA. 3049+36.84, 19.9' RT	FRAMES AND LIDS TO BE ADJUSTED (INLETS)
STA. 3050+31.74, 20.4' RT	STA. 3043+32.45 - 18.9' RT
STA. 3051+27.67, 25.3' RT	STA. 3045+31.92 - 19.2' RT
STA. 3052+32.84, 20.4' RT	STA. 3047+33.38 - 19.1' RT
STA. 3053+26.71, 25.9' RT	STA. 3049+29.92 - 19.1' RT
STA. 3054+32.19, 20.8' RT	STA. 3051+33.07 - 19.3' RT
STA. 3055+27.22, 25.9' RT	STA. 3053+33.02 - 19.5' RT
STA. 3055+40.26, 23.5' RT	STA. 3055+33.67 - 19.4' RT
STA. 3056+32.42, 20.6' RT	

FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	REMOVING INLETS
BOTTOM VIEW - 2 EACH	STA. 801+20.45, 0.0' RT
	REMOVING INLETS TO MAINTAIN FLOW
	STA. 801+85.00, 4.9' LT
	STA. 802+90.00, 11.1' LT

STORM SEWER REM., 12", 102 FOOT

STORM SEWERS TO BE CLEANED 18"
STA. 3049+25.00 - 136.0 FT

STORM SEWERS TO BE CLEANED 36"
STA. 3047+25.00 - 138.0 FT

STORM SEWER REM., 36", 158 FOOT

STORM SEWER REM., 10"

STORM SEWER REM., 15", 25 FOOT

STORM SEWER REM., 15", 11 FOOT

REMOVE EXISTING FLARED END

CUMBERLAND RAMP BB
STORM SEWER REMOVAL - 12"
STA. 805+02.23 TO STA. 807+14.27 - 102.0 FT

ERAMES AND LIDS TO BE ADJUSTED (MANHOLES)
STA. 805+02.23, 1.5' RT

REMOVING INLETS
STA. 801+20.45, 0.0' RT

REMOVING INLETS TO MAINTAIN FLOW
STA. 801+85.00, 4.9' LT
STA. 802+90.00, 11.1' LT

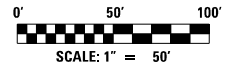
CUMBERLAND RAMP B
STORM SEWER REMOVAL - 10"
STA. 903+58.95 TO STA. 903+83.33 - 31.0 FT

STORM SEWER REMOVAL - 15"
STA. 902+07.77 TO STA. 902+09.55 - 11.0 FT
STA. 902+09.55 TO STA. 902+12.95 - 25.0 FT

REMOVING CATCH BASINS
STA. 902+09.40, 3.0' LT
STA. 903+57.98, 11.2' RT

REMOVING INLETS
STA. 903+83.79, 8.7' LT

REMOVE EXISTING FLARED END SECTION
STA. 902+07.63, 11.7' RT



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3100 Dundee Road,
Suite 502, Northbrook,
IL 60062
847.753.8020 office
847.753.8023 fax

USER NAME = mamiller	DESIGNED AF HDU	REVISED -
	DRAWN AF HDU	REVISED -
PLOT SCALE = 1:8000' / 1"	CHECKED GS SH	REVISED -
PLOT DATE = 5/2/2016	DATE 5/6/2016	REVISED -

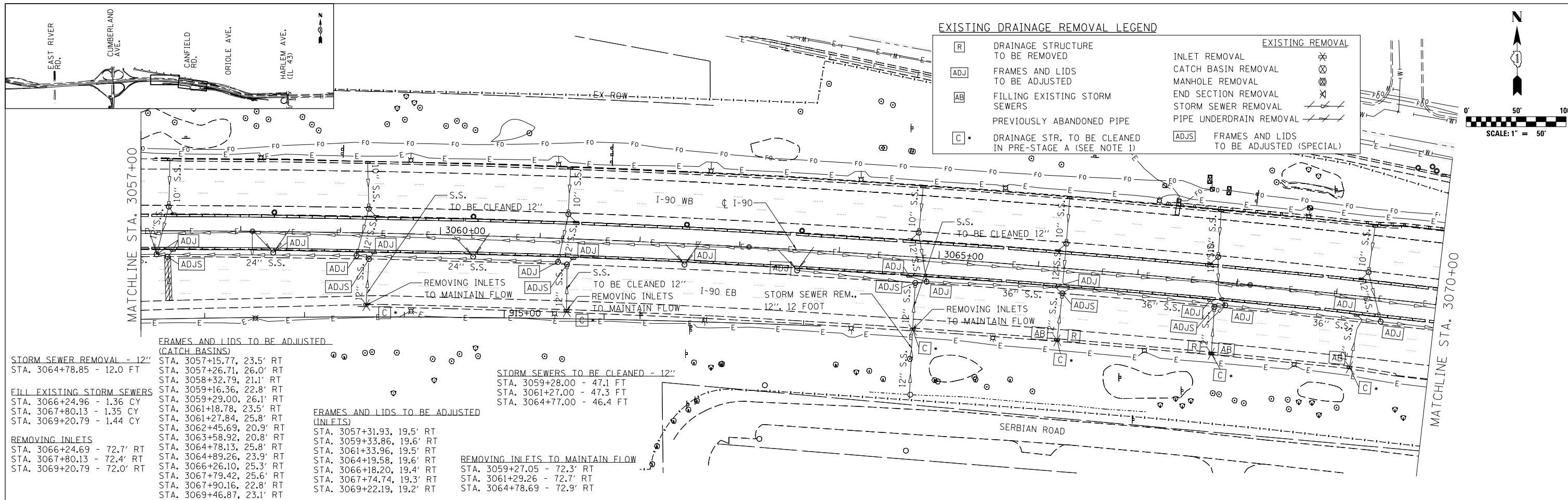
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-90 EASTBOUND FROM CUMBERLAND AVE TO HARLEM AVE
EXISTING DRAINAGE REMOVAL PLAN**

SCALE: 1" = 50' SHEET NO. 1 OF 4 SHEETS STA. 3027+00 TO STA. 3057+00

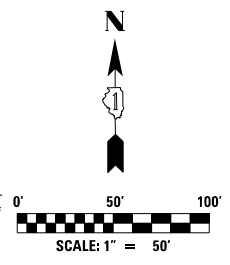
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	(1517 & 1415) R-3	COOK	557	164
CONTRACT NO. 60Y38				
ILLINOIS FED. AID PROJECT				

FILE NAME = p:\hntb\356.hntb.org\FWGreat.Lakes\Documents\Chicago Projects\58015 I-90\Phase II\Contract 2 - Eastbound\Design\CADD\CADD Sheets\DI60Y38-shd-drain-rem1.dgn



EXISTING DRAINAGE REMOVAL LEGEND

[R]	DRAINAGE STRUCTURE TO BE REMOVED	[X]	INLET REMOVAL
[ADJ]	FRAMES AND LIDS TO BE ADJUSTED	[X]	CATCH BASIN REMOVAL
[AB]	FILLING EXISTING STORM SEWERS	[X]	MANHOLE REMOVAL
[C]	PREVIOUSLY ABANDONED PIPE	[X]	END SECTION REMOVAL
[C]	DRAINAGE STR. TO BE CLEANED IN PRE-STAGE A (SEE NOTE 1)	[X]	STORM SEWER REMOVAL
		[ADJS]	PIPE UNDERDRAIN REMOVAL
		[ADJS]	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)



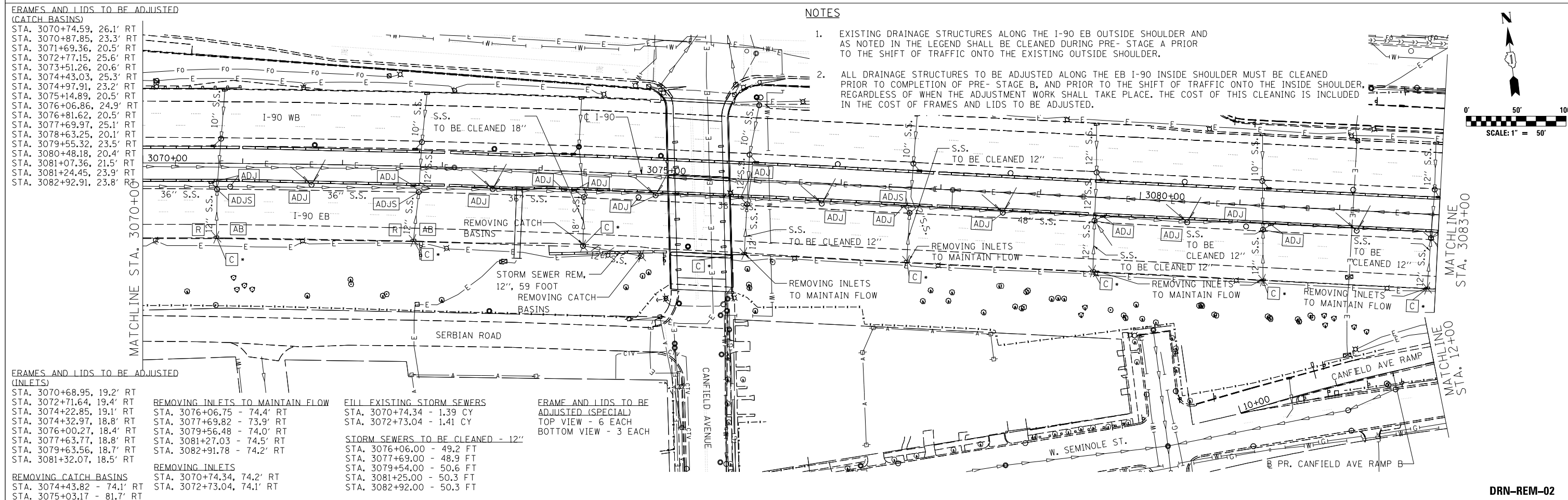
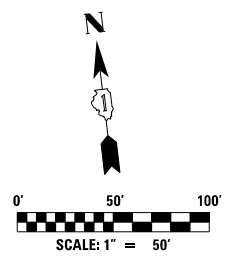
<p>STORM SEWER REMOVAL - 12"</p> <p>STA. 3066+24.96 - 1.36 CY STA. 3067+80.13 - 1.35 CY STA. 3069+20.79 - 1.44 CY</p> <p>FILL EXISTING STORM SEWERS</p> <p>STA. 3066+24.96 - 1.36 CY STA. 3067+80.13 - 1.35 CY STA. 3069+20.79 - 1.44 CY</p> <p>REMOVING INLETS</p> <p>STA. 3066+24.69 - 72.7' RT STA. 3067+80.13 - 72.4' RT STA. 3069+20.79 - 72.0' RT</p>	<p>FRAMES AND LIDS TO BE ADJUSTED (CATCH BASINS)</p> <p>STA. 3057+15.77, 23.5' RT STA. 3057+26.71, 26.0' RT STA. 3058+32.79, 21.1' RT STA. 3059+16.36, 22.8' RT STA. 3059+29.00, 26.1' RT STA. 3061+18.78, 23.5' RT STA. 3061+27.84, 25.8' RT STA. 3062+45.69, 20.9' RT STA. 3063+58.92, 20.8' RT STA. 3064+78.13, 25.8' RT STA. 3064+89.26, 23.9' RT STA. 3066+26.10, 25.3' RT STA. 3067+79.42, 25.6' RT STA. 3067+90.16, 22.8' RT STA. 3069+46.87, 23.1' RT</p> <p>FRAMES AND LIDS TO BE ADJUSTED (INLETS)</p> <p>STA. 3057+31.93, 19.5' RT STA. 3059+33.86, 19.6' RT STA. 3061+33.96, 19.5' RT STA. 3064+19.58, 19.6' RT STA. 3066+18.20, 19.4' RT STA. 3067+74.74, 19.3' RT STA. 3069+22.19, 19.2' RT</p> <p>REMOVING INLETS TO MAINTAIN FLOW</p> <p>STA. 3059+27.05 - 72.3' RT STA. 3061+29.26 - 72.7' RT STA. 3064+78.69 - 72.9' RT</p>	<p>STORM SEWERS TO BE CLEANED - 12"</p> <p>STA. 3059+28.00 - 47.1 FT STA. 3061+27.00 - 47.3 FT STA. 3064+77.00 - 46.4 FT</p>
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FRAMES AND LIDS TO BE ADJUSTED (CATCH BASINS)

STA. 3070+74.59, 26.1' RT
 STA. 3070+87.85, 23.3' RT
 STA. 3071+69.36, 20.5' RT
 STA. 3072+77.15, 25.6' RT
 STA. 3073+51.26, 20.6' RT
 STA. 3074+43.03, 25.3' RT
 STA. 3074+97.91, 23.2' RT
 STA. 3075+14.89, 20.5' RT
 STA. 3076+06.86, 24.9' RT
 STA. 3076+81.62, 20.5' RT
 STA. 3077+69.97, 25.1' RT
 STA. 3078+63.25, 20.1' RT
 STA. 3079+55.32, 23.5' RT
 STA. 3080+48.18, 20.4' RT
 STA. 3081+07.36, 21.5' RT
 STA. 3081+24.45, 23.9' RT
 STA. 3082+92.91, 23.8' RT

NOTES

- EXISTING DRAINAGE STRUCTURES ALONG THE I-90 EB OUTSIDE SHOULDER AND AS NOTED IN THE LEGEND SHALL BE CLEANED DURING PRE-STAGE A PRIOR TO THE SHIFT OF TRAFFIC ONTO THE EXISTING OUTSIDE SHOULDER.
- ALL DRAINAGE STRUCTURES TO BE ADJUSTED ALONG THE EB I-90 INSIDE SHOULDER MUST BE CLEANED PRIOR TO COMPLETION OF PRE-STAGE B, AND PRIOR TO THE SHIFT OF TRAFFIC ONTO THE INSIDE SHOULDER, REGARDLESS OF WHEN THE ADJUSTMENT WORK SHALL TAKE PLACE. THE COST OF THIS CLEANING IS INCLUDED IN THE COST OF FRAMES AND LIDS TO BE ADJUSTED.



<p>FRAMES AND LIDS TO BE ADJUSTED (INLETS)</p> <p>STA. 3070+68.95, 19.2' RT STA. 3072+71.64, 19.4' RT STA. 3074+22.85, 19.1' RT STA. 3074+32.97, 18.8' RT STA. 3076+00.27, 18.4' RT STA. 3077+63.77, 18.8' RT STA. 3079+63.56, 18.7' RT STA. 3081+32.07, 18.5' RT</p> <p>REMOVING CATCH BASINS</p> <p>STA. 3074+43.82 - 74.1' RT STA. 3075+03.17 - 81.7' RT</p>	<p>REMOVING INLETS TO MAINTAIN FLOW</p> <p>STA. 3076+06.75 - 74.4' RT STA. 3077+69.82 - 73.9' RT STA. 3079+56.48 - 74.0' RT STA. 3081+27.03 - 74.5' RT STA. 3082+91.78 - 74.2' RT</p> <p>REMOVING INLETS</p> <p>STA. 3070+74.34, 74.2' RT STA. 3072+73.04, 74.1' RT</p>	<p>FILL EXISTING STORM SEWERS</p> <p>STA. 3070+74.34 - 1.39 CY STA. 3072+73.04 - 1.41 CY</p> <p>STORM SEWERS TO BE CLEANED - 12"</p> <p>STA. 3076+06.00 - 49.2 FT STA. 3077+69.00 - 48.9 FT STA. 3079+54.00 - 50.6 FT STA. 3081+25.00 - 50.3 FT STA. 3082+92.00 - 50.3 FT</p>	<p>FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)</p> <p>TOP VIEW - 6 EACH BOTTOM VIEW - 3 EACH</p>
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-90 EASTBOUND FROM CUMBERLAND AVE TO HARLEM AVE
EXISTING DRAINAGE REMOVAL PLAN**

DRN-REM-02

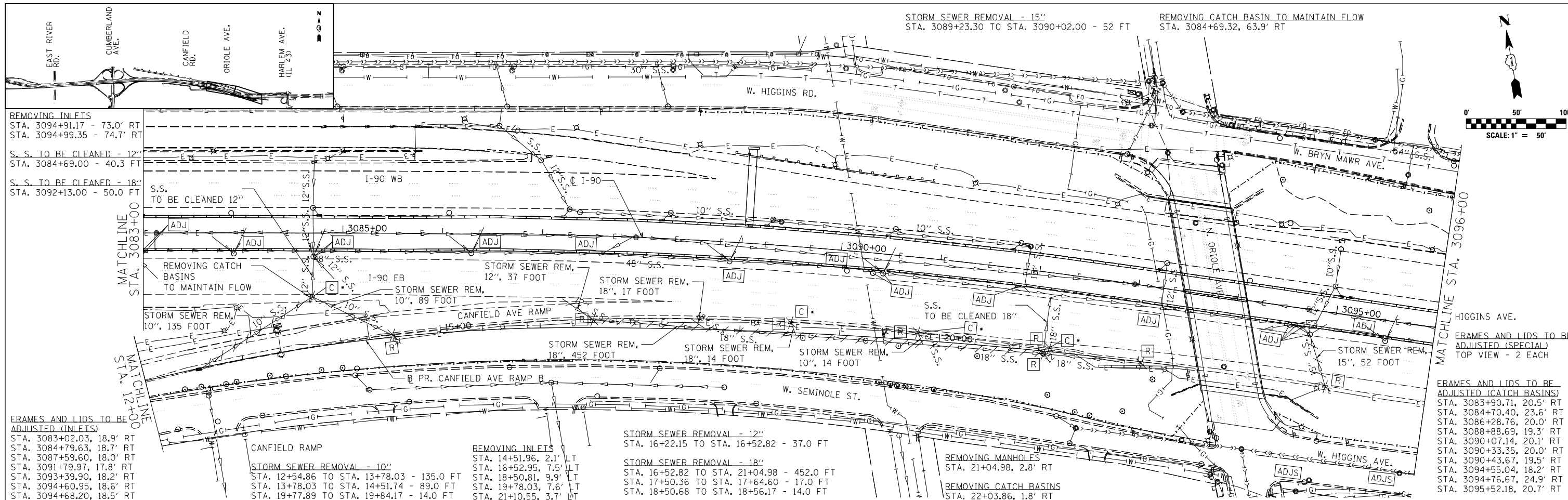
AEG
 Ltd.
 3100 Dundee Road,
 Suite 502, Northbrook,
 IL 60062
 847.753.8020 office
 847.753.8023 fax

USER NAME = mamiller	DESIGNED AF HDU	REVISED -
PLOT SCALE = 1:8000' / in.	DRAWN AF HDU	REVISED -
PLOT DATE = 5/2/2016	CHECKED GS SH	REVISED -
	DATE 5/6/2016	REVISED -

SCALE: 1" = 50' SHEET NO. 2 OF 4 SHEETS STA. 3057+00 TO STA. 3083+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	(1517 & 1415) R-3	COOK	557	165
CONTRACT NO. 60Y38				
ILLINOIS FED. AID PROJECT				

FILE NAME = p:\hntb\356.hntb.org\FWGreat.Lakes\Documents\Chicago Projects\58015 1-90\Phase II\Contract 2 - Eastbound\Design\CADD\CADD Sheets\DI60Y38-shd-drain-rem-2.dgn



REMOVING INLETS
 STA. 3094+91.17 - 73.0' RT
 STA. 3094+99.35 - 74.7' RT
 S.S. TO BE CLEANED - 12"
 STA. 3084+69.00 - 40.3 FT
 S.S. TO BE CLEANED - 18"
 STA. 3092+13.00 - 50.0 FT

FRAMES AND LIDS TO BE ADJUSTED (INLETS)
 STA. 3083+02.03, 18.9' RT
 STA. 3084+79.63, 18.7' RT
 STA. 3087+59.60, 18.0' RT
 STA. 3091+79.97, 17.8' RT
 STA. 3093+39.90, 18.2' RT
 STA. 3094+60.95, 18.6' RT
 STA. 3094+68.20, 18.5' RT

MATCHLINE
 STA. 3083+00

MATCHLINE
 STA. 12+00



STORM SEWER REMOVAL - 15"
 STA. 3089+23.30 TO STA. 3090+02.00 - 52 FT
 REMOVING CATCH BASIN TO MAINTAIN FLOW
 STA. 3084+69.32, 63.9' RT

EXISTING DRAINAGE REMOVAL LEGEND

[R]	DRAINAGE STRUCTURE TO BE REMOVED	EXISTING REMOVAL	[X]
[ADJ]	FRAMES AND LIDS TO BE ADJUSTED	INLET REMOVAL	[X]
[AB]	FILLING EXISTING STORM SEWERS	CATCH BASIN REMOVAL	[X]
[C]	DRAINAGE STR. TO BE CLEANED IN PRE-STAGE A (SEE NOTE 1)	MANHOLE REMOVAL	[X]
	PREVIOUSLY ABANDONED PIPE	END SECTION REMOVAL	[X]
		STORM SEWER REMOVAL	[X]
		PIPE UNDERDRAIN REMOVAL	[X]
		[ADJS]	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)

FRAMES AND LIDS TO BE ADJUSTED (CATCH BASINS)
 STA. 3096+29.90, 25.9' RT
 STA. 3099+96.62, 24.0' RT
 STA. 3100+43.40, 21.5' RT
 STA. 3101+31.77, 25.1' RT
 STA. 3102+51.44, 21.4' RT
 STA. 3103+75.78, 24.4' RT
 STA. 3104+18.91, 19.4' RT
 STA. 3104+53.92, 19.1' RT
 STA. 3105+36.82, 19.1' RT
 STA. 3106+20.05, 19.7' RT
 STA. 3106+29.99, 23.8' RT
 STA. 3107+30.63, 18.8' RT
 STA. 3108+31.15, 24.3' RT

FRAMES AND LIDS TO BE ADJUSTED (INLETS)
 STA. 3096+36.46, 19.2' RT
 STA. 3097+69.73, 19.4' RT
 STA. 3097+76.30, 19.4' RT
 STA. 3099+89.13, 18.8' RT
 STA. 3101+26.90, 18.3' RT
 STA. 3102+45.50, 18.2' RT
 STA. 3103+68.33, 17.9' RT
 STA. 3106+36.97, 17.3' RT
 STA. 3108+26.14, 17.3' RT

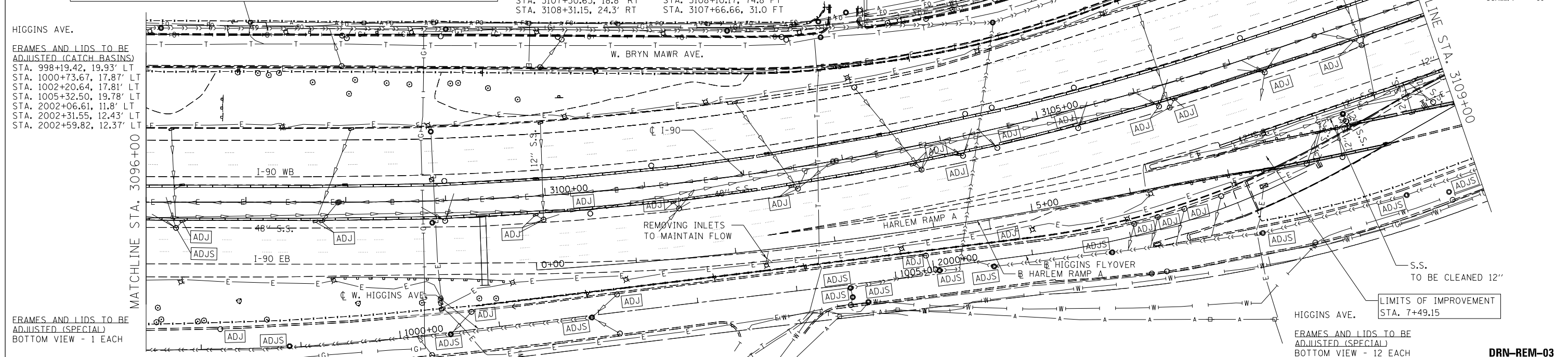
STORM SEWERS TO BE CLEANED 12"
 STA. 3108+10.17, 74.8 FT
 STA. 3107+66.66, 31.0 FT

REMOVING INLETS TO MAINTAIN FLOW
 STA. 2+30.00, 9.0' RT

REMOVING MANHOLES
 STA. 21+04.98, 2.8' RT

REMOVING CATCH BASINS
 STA. 22+03.86, 1.8' RT

NOTES
 1. EXISTING DRAINAGE STRUCTURES ALONG THE I-90 EB OUTSIDE SHOULDER AND AS NOTED IN THE LEGEND SHALL BE CLEANED DURING PRE-STAGE A PRIOR TO THE SHIFT OF TRAFFIC ONTO THE EXISTING OUTSIDE SHOULDER.
 2. ALL DRAINAGE STRUCTURES TO BE ADJUSTED ALONG THE EB I-90 INSIDE SHOULDER MUST BE CLEANED PRIOR TO COMPLETION OF PRE-STAGE B, AND PRIOR TO THE SHIFT OF TRAFFIC ONTO THE INSIDE SHOULDER, REGARDLESS OF WHEN THE ADJUSTMENT WORK SHALL TAKE PLACE. THE COST OF THIS CLEANING IS INCLUDED IN THE COST OF FRAMES AND LIDS TO BE ADJUSTED.



FRAMES AND LIDS TO BE ADJUSTED (CATCH BASINS)
 STA. 998+19.42, 19.93' LT
 STA. 1000+73.67, 17.87' LT
 STA. 1002+20.64, 17.81' LT
 STA. 1005+32.50, 19.78' LT
 STA. 2002+06.61, 11.8' LT
 STA. 2002+31.55, 12.43' LT
 STA. 2002+59.82, 12.37' LT

MATCHLINE
 STA. 3096+00

MATCHLINE
 STA. 3109+00



FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)
 BOTTOM VIEW - 1 EACH

FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)
 BOTTOM VIEW - 12 EACH

AEG
 3100 Dundee Road,
 Suite 502, Northbrook,
 IL 60062
 847.753.8020 office
 847.753.8023 fax

USER NAME = mamiller	DESIGNED AF HDU	REVISED -
PLOT SCALE = 1:8000' / 1/8"	DRAWN AF HDU	REVISED -
PLOT DATE = 5/2/2016	CHECKED GS SH	REVISED -
	DATE 5/6/2016	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

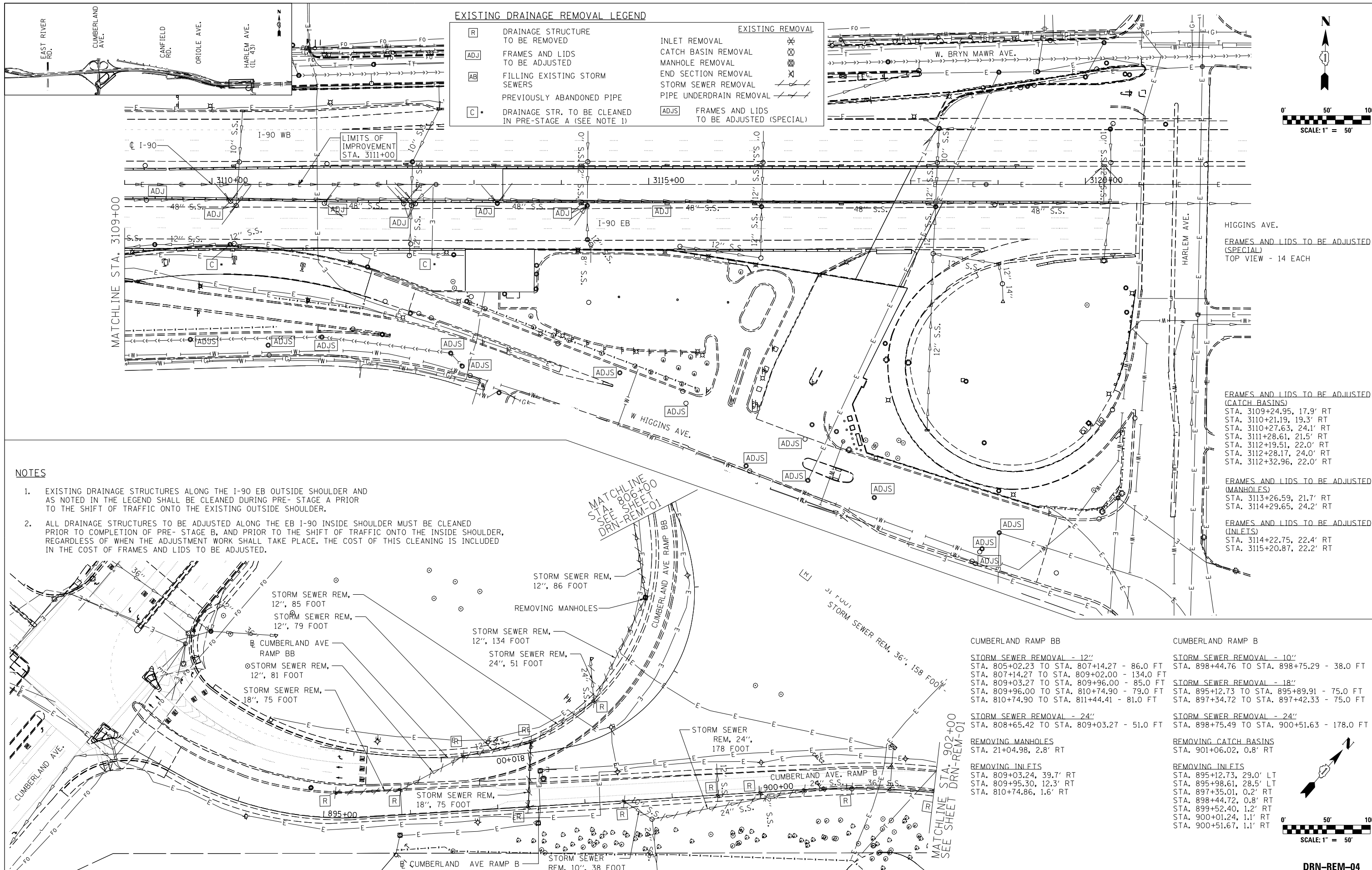
**I-90 EASTBOUND FROM CUMBERLAND AVE TO HARLEM AVE
 EXISTING DRAINAGE REMOVAL PLAN**

SCALE: 1" = 50' SHEET NO. 3 OF 4 SHEETS STA. 3083+00 TO STA. 3109+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	(1517 & 1415) R-3	COOK	557	166
CONTRACT NO. 60Y38				
ILLINOIS FED. AID PROJECT				

FILE NAME = p:\hntb\356.hntb.org\p\Great.Lakes\Documents\Chicago Projects\58015 I-90\Phase II\Contract 2 - Eastbound\Design\CADD\CADD Sheets\DI60Y38-sht-drain-rem.3.dgn

DRN-REM-03

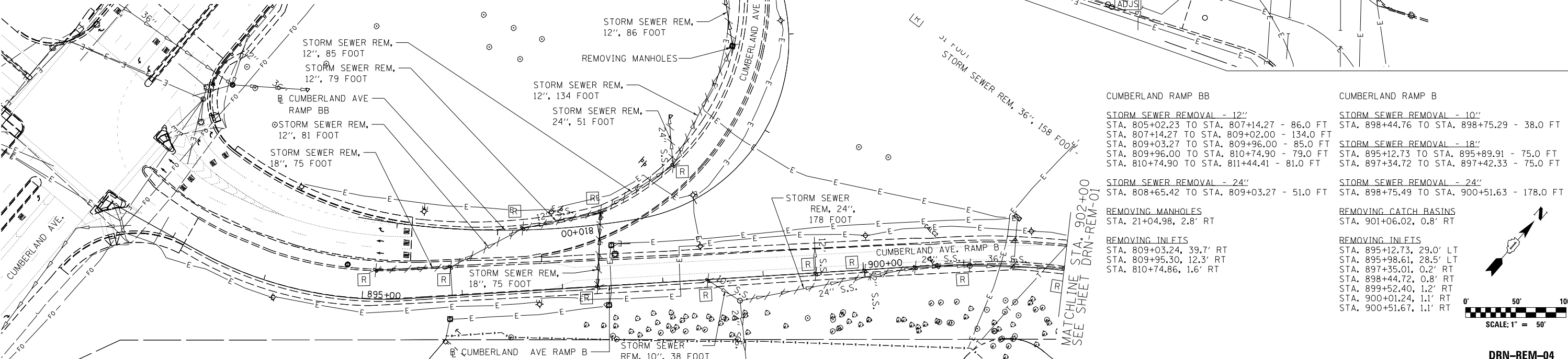


EXISTING DRAINAGE REMOVAL LEGEND

[R]	DRAINAGE STRUCTURE TO BE REMOVED	EXISTING REMOVAL	INLET REMOVAL
[ADJ]	FRAMES AND LIDS TO BE ADJUSTED		CATCH BASIN REMOVAL
[AB]	FILLING EXISTING STORM SEWERS		MANHOLE REMOVAL
[C]	PREVIOUSLY ABANDONED PIPE		END SECTION REMOVAL
[C]	DRAINAGE STR. TO BE CLEANED IN PRE-STAGE A (SEE NOTE 1)		STORM SEWER REMOVAL
			PIPE UNDERDRAIN REMOVAL
		[ADJS]	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)

NOTES

- EXISTING DRAINAGE STRUCTURES ALONG THE I-90 EB OUTSIDE SHOULDER AND AS NOTED IN THE LEGEND SHALL BE CLEANED DURING PRE-STAGE A PRIOR TO THE SHIFT OF TRAFFIC ONTO THE EXISTING OUTSIDE SHOULDER.
- ALL DRAINAGE STRUCTURES TO BE ADJUSTED ALONG THE EB I-90 INSIDE SHOULDER MUST BE CLEANED PRIOR TO COMPLETION OF PRE-STAGE B, AND PRIOR TO THE SHIFT OF TRAFFIC ONTO THE INSIDE SHOULDER, REGARDLESS OF WHEN THE ADJUSTMENT WORK SHALL TAKE PLACE. THE COST OF THIS CLEANING IS INCLUDED IN THE COST OF FRAMES AND LIDS TO BE ADJUSTED.



AEG
 3100 Dundee Road,
 Suite 502, Northbrook,
 IL 60062
 847.753.8020 office
 847.753.8023 fax

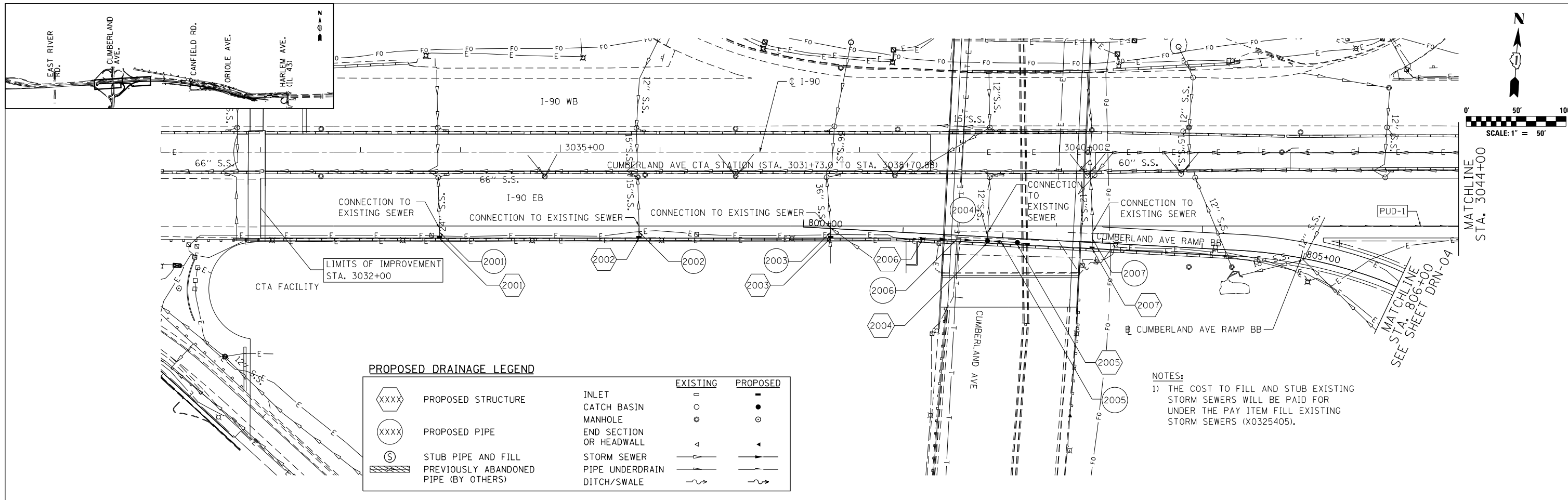
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PLOT DATE = 5/2/2016	CHECKED GS SH	REVISED -
	DATE 5/6/2016	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**I-90 EASTBOUND FROM CUMBERLAND AVE TO HARLEM AVE
 EXISTING DRAINAGE REMOVAL PLAN**

SCALE: 1" = 50' SHEET NO. 4 OF 4 SHEETS STA. 3109+00 TO STA. 3111+00

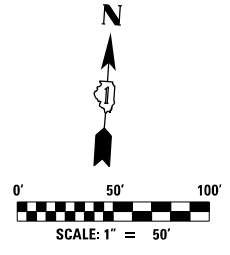
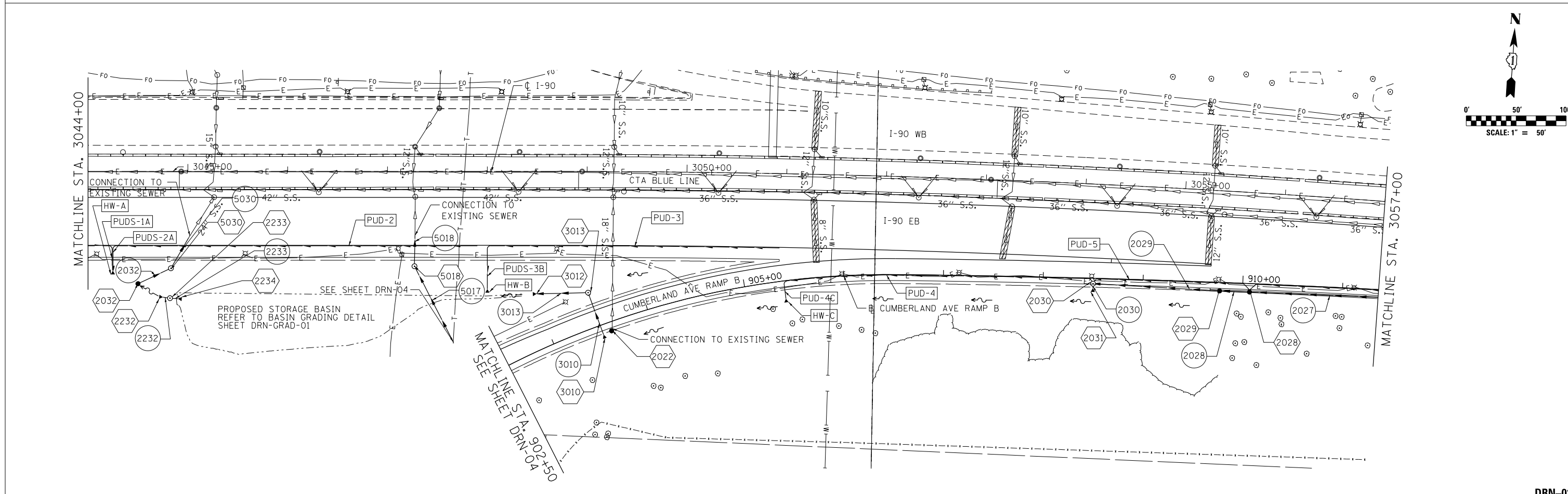
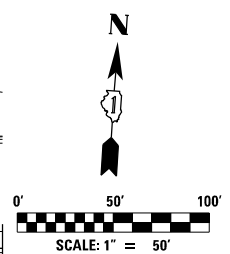
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	(1517 & 1415) R-3	COOK	557	167
CONTRACT NO. 60Y38				
ILLINOIS FED. AID PROJECT				



PROPOSED DRAINAGE LEGEND

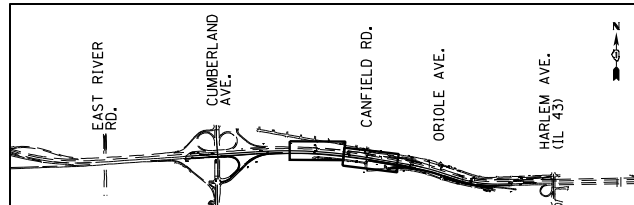
		EXISTING	PROPOSED
XXXX	PROPOSED STRUCTURE	□	■
○	INLET	○	●
○	CATCH BASIN	○	○
○	MANHOLE	○	○
○	END SECTION OR HEADWALL	△	△
○	STUB PIPE AND FILL	—	—
▨	PREVIOUSLY ABANDONED PIPE (BY OTHERS)	—	—
	STORM SEWER	—	—
	PIPE UNDERDRAIN	—	—
	DITCH/SWALE	—	—

NOTES:
 1) THE COST TO FILL AND STUB EXISTING STORM SEWERS WILL BE PAID FOR UNDER THE PAY ITEM FILL EXISTING STORM SEWERS (X0325405).



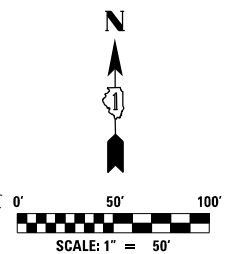
exp U.S. Services Inc. Chicago IL BUILDINGS EARTH & ENVIRONMENT ENERGY INDUSTRIAL INFRASTRUCTURE SUSTAINABILITY	USER NAME = *USER*	DESIGNED HDU	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-90 EASTBOUND FROM CUMBERLAND AVE TO HARLEM AVE PROPOSED DRAINAGE PLAN	F.A.I. RTE. 90	SECTION (1517 & 1415) R-3	COUNTY COOK	TOTAL SHEETS 557	SHEET NO. 168
	PLOT SCALE = *SCALE*	CHECKED SH	REVISED -			SCALE: 1" = 50'	SHEET NO. 1 OF 13 SHEETS	STA. 3032+00 TO STA. 3057+00	CONTRACT NO. 60Y38	
	PLOT DATE = 5-03-2016	DATE 5/6/2016	REVISED -			ILLINOIS FED. AID PROJECT				

FILE NAME = #FILE#



PROPOSED DRAINAGE LEGEND

		EXISTING	PROPOSED
XXXX	PROPOSED STRUCTURE	○	●
XXXX	PROPOSED PIPE	○	●
Ⓢ	STUB PIPE AND FILL	○	○
▨	PREVIOUSLY ABANDONED PIPE (BY OTHERS)	○	○
	INLET	○	○
	CATCH BASIN	○	○
	MANHOLE	○	○
	END SECTION OR HEADWALL	△	△
	STORM SEWER	—	—
	PIPE UNDERDRAIN	—	—
	DITCH/SWALE	—	—



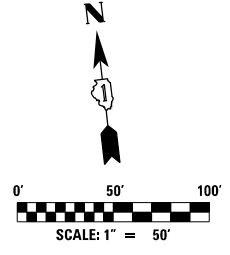
MATCHLINE STA. 3057+00

MATCHLINE STA. 3070+00

- NOTES:**
- 1) THE COST TO FILL AND STUB EXISTING STORM SEWERS WILL BE PAID FOR UNDER THE PAY ITEM FILL EXISTING STORM SEWERS (X0325405).
 - 2) CONNECT RETAINING WALL PIPE UNDERDRAIN INTO PROPOSED DRAINAGE STRUCTURE 2051 AND 2048. REFER TO WALL 1 STRUCTURAL PLANS.

MATCHLINE STA. 3070+00

MATCHLINE STA. 3083+00



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Chicago, IL
BUILDINGS EARTH & ENVIRONMENT ENERGY
INDUSTRIAL INFRASTRUCTURE SUSTAINABILITY

USER NAME = *USER*	DESIGNED HDU	REVISED -
PLOT SCALE = *SCALE*	DRAWN HDU	REVISED -
PLOT DATE = 5-03-2016	CHECKED SH	REVISED -
	DATE 5/6/2016	REVISED -

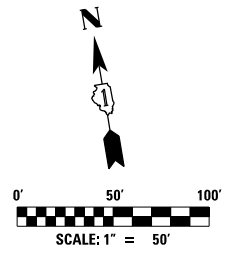
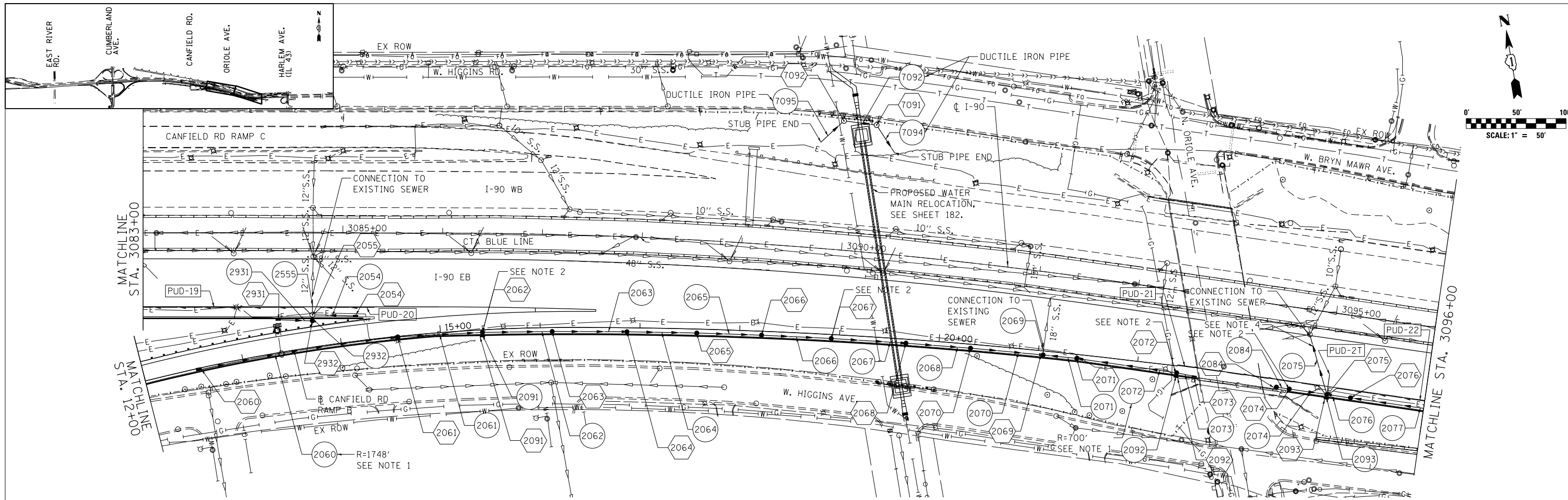
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-90 EASTBOUND FROM CUMBERLAND AVE TO HARLEM AVE
PROPOSED DRAINAGE PLAN**

SCALE: 1" = 50' SHEET NO. 2 OF 13 SHEETS STA. 3057+00 TO STA. 3083+00

F.A.I. RTE. 90	SECTION (1517 & 1415) R-3	COUNTY COOK	TOTAL SHEETS 557	SHEET NO. 169
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60Y38	

DRN-02

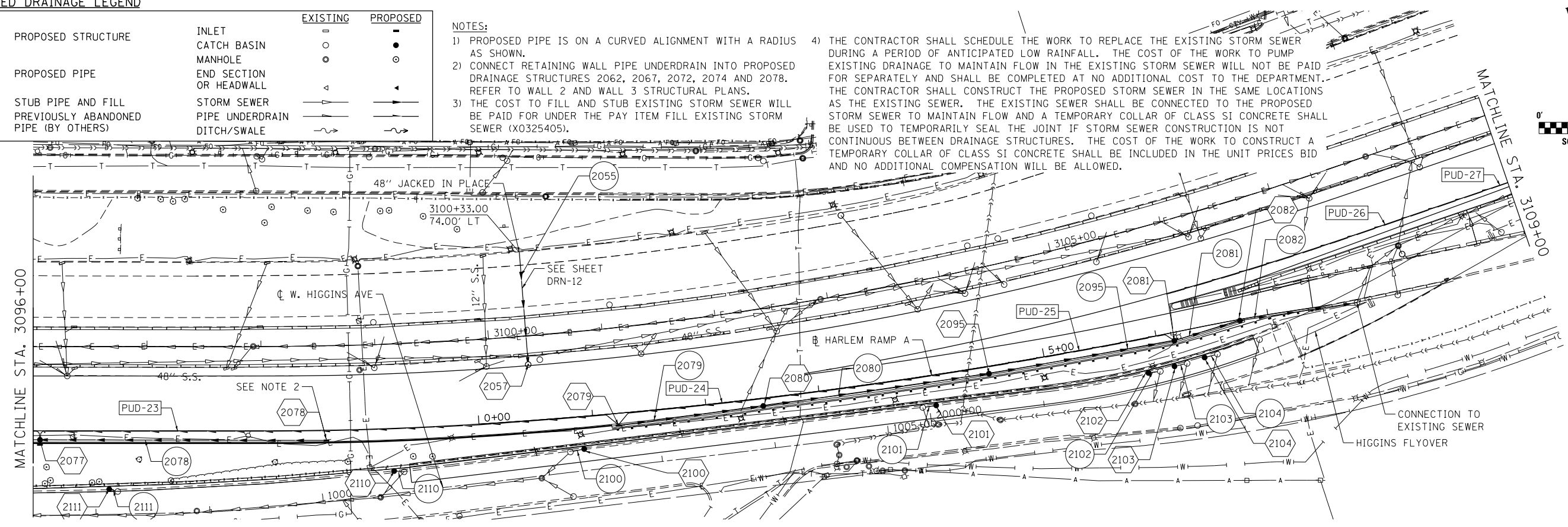
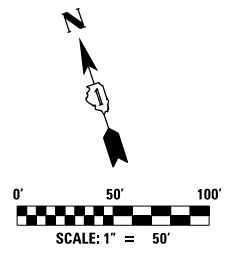


PROPOSED DRAINAGE LEGEND

		EXISTING	PROPOSED
	PROPOSED STRUCTURE		
	PROPOSED PIPE		
	STUB PIPE AND FILL		
	PREVIOUSLY ABANDONED PIPE (BY OTHERS)		
	INLET		
	CATCH BASIN		
	MANHOLE		
	END SECTION OR HEADWALL		
	STORM SEWER		
	PIPE UNDERDRAIN		
	DITCH/SWALE		

NOTES:

- 1) PROPOSED PIPE IS ON A CURVED ALIGNMENT WITH A RADIUS AS SHOWN.
- 2) CONNECT RETAINING WALL PIPE UNDERDRAIN INTO PROPOSED DRAINAGE STRUCTURES 2062, 2067, 2072, 2074 AND 2078. REFER TO WALL 2 AND WALL 3 STRUCTURAL PLANS.
- 3) THE COST TO FILL AND STUB EXISTING STORM SEWER WILL BE PAID FOR UNDER THE PAY ITEM FILL EXISTING STORM SEWER (X0325405).
- 4) THE CONTRACTOR SHALL SCHEDULE THE WORK TO REPLACE THE EXISTING STORM SEWER DURING A PERIOD OF ANTICIPATED LOW RAINFALL. THE COST OF THE WORK TO PUMP EXISTING DRAINAGE TO MAINTAIN FLOW IN THE EXISTING STORM SEWER WILL NOT BE PAID FOR SEPARATELY AND SHALL BE COMPLETED AT NO ADDITIONAL COST TO THE DEPARTMENT. THE CONTRACTOR SHALL CONSTRUCT THE PROPOSED STORM SEWER IN THE SAME LOCATIONS AS THE EXISTING SEWER. THE EXISTING SEWER SHALL BE CONNECTED TO THE PROPOSED STORM SEWER TO MAINTAIN FLOW AND A TEMPORARY COLLAR OF CLASS SI CONCRETE SHALL BE USED TO TEMPORARILY SEAL THE JOINT IF STORM SEWER CONSTRUCTION IS NOT CONTINUOUS BETWEEN DRAINAGE STRUCTURES. THE COST OF THE WORK TO CONSTRUCT A TEMPORARY COLLAR OF CLASS SI CONCRETE SHALL BE INCLUDED IN THE UNIT PRICES BID AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.



exp U.S. Services Inc.
Chicago, IL
BUILDINGS, EARTH & ENVIRONMENT ENERGY
INDUSTRIAL INFRASTRUCTURE SUSTAINABILITY

USER NAME = #USER#	DESIGNED HDU	REVISED -
PLOT SCALE = #SCALE#	DRAWN HDU	REVISED -
PLOT DATE = 6-03-2016	CHECKED SH	REVISED -
	DATE 5/6/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

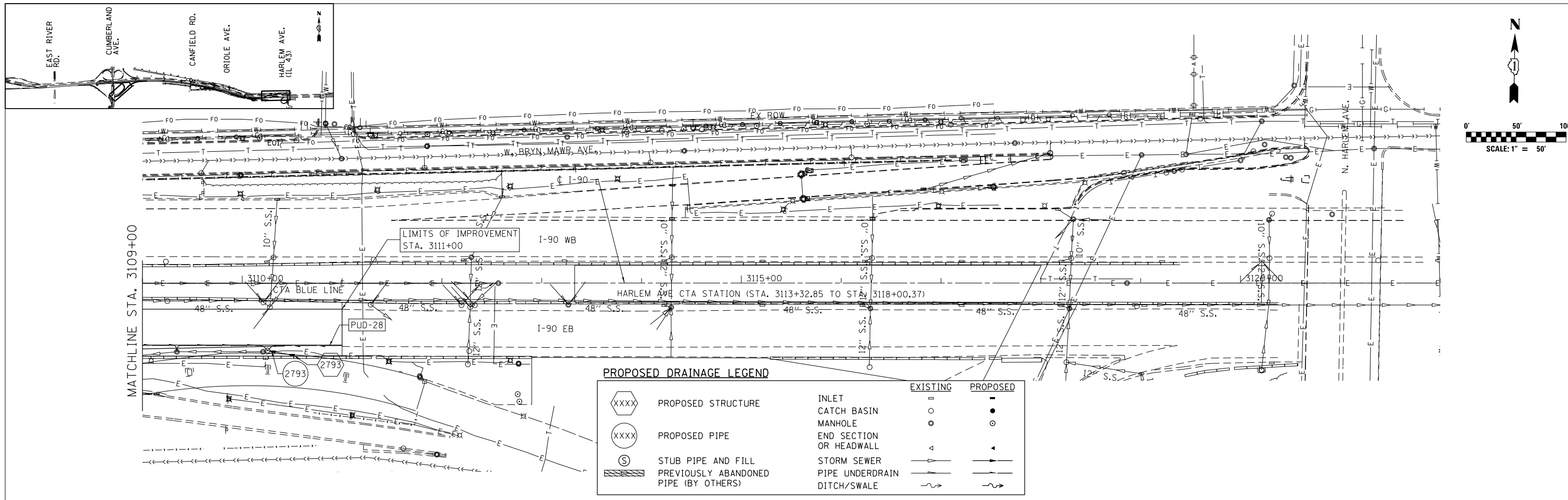
**I-90 EASTBOUND FROM CUMBERLAND AVE TO HARLEM AVE
PROPOSED DRAINAGE PLAN**

SCALE: 1" = 50' SHEET NO. 3 OF 13 SHEETS STA. 3083+00 TO STA. 3109+00

F.A.I. RTE. 90	SECTION (1517 & 1415) R-3	COUNTY COOK	TOTAL SHEETS 557	SHEET NO. 170
				CONTRACT NO. 60Y38
ILLINOIS FED. AID PROJECT				

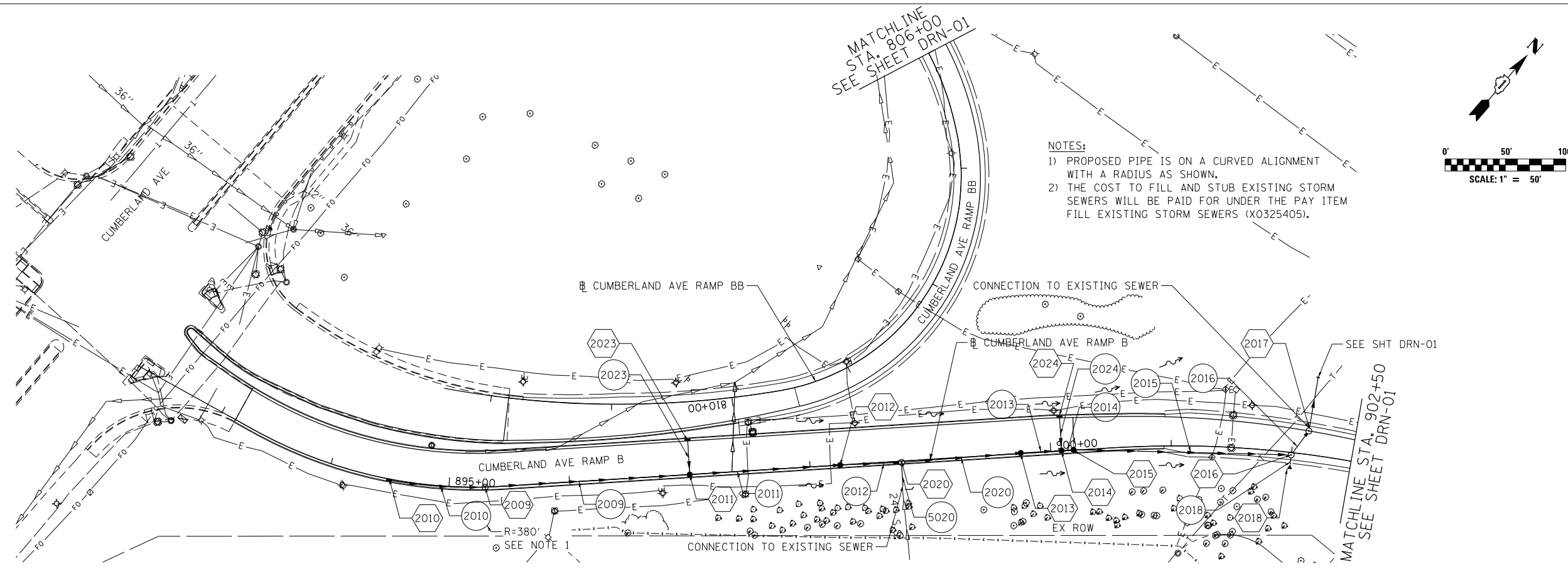
DRN-03

FILE NAME = #FILE#



PROPOSED DRAINAGE LEGEND

		EXISTING	PROPOSED
XXXX	PROPOSED STRUCTURE	○	●
XXXX	PROPOSED PIPE	○	○
Ⓢ	STUB PIPE AND FILL	△	△
▨	PREVIOUSLY ABANDONED PIPE (BY OTHERS)	—	—
	INLET	○	●
	CATCH BASIN	○	○
	MANHOLE	○	○
	END SECTION OR HEADWALL	△	△
	STORM SEWER	—	—
	PIPE UNDERDRAIN	—	—
	DITCH/SWALE	~	~



NOTES:
 1) PROPOSED PIPE IS ON A CURVED ALIGNMENT WITH A RADIUS AS SHOWN.
 2) THE COST TO FILL AND STUB EXISTING STORM SEWERS WILL BE PAID FOR UNDER THE PAY ITEM FILL EXISTING STORM SEWERS (X0325405).

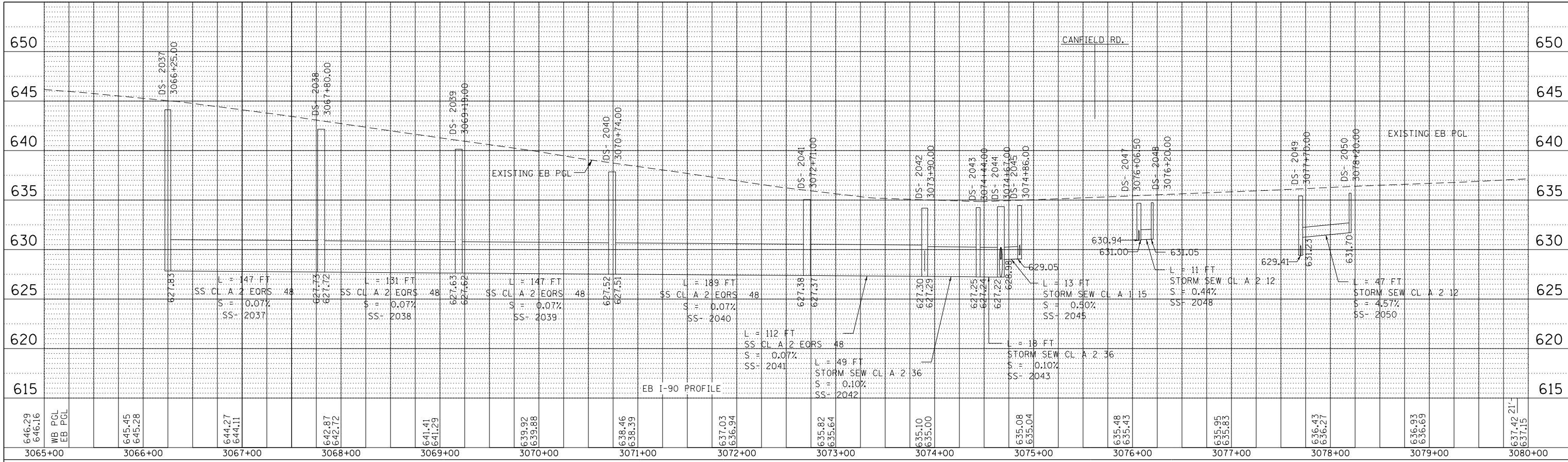
exp U.S. Services Inc. Chicago, IL BUILDINGS EARTH & ENVIRONMENT ENERGY INDUSTRIAL INFRASTRUCTURE SUSTAINABILITY	USER NAME = *USER*	DESIGNED HDU	REVISED -
	DRAWN HDU	REVISED -	
	CHECKED SH	REVISED -	
	DATE 5/6/2016	REVISED -	
PLOT SCALE = *SCALE*			
PLOT DATE = 5-03-2016			

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**I-90 EASTBOUND FROM CUMBERLAND AVE TO HARLEM AVE
 PROPOSED DRAINAGE PLAN**
 SCALE: 1" = 50' SHEET NO. 4 OF 13 SHEETS STA. 3109+00 TO STA. 3111+00

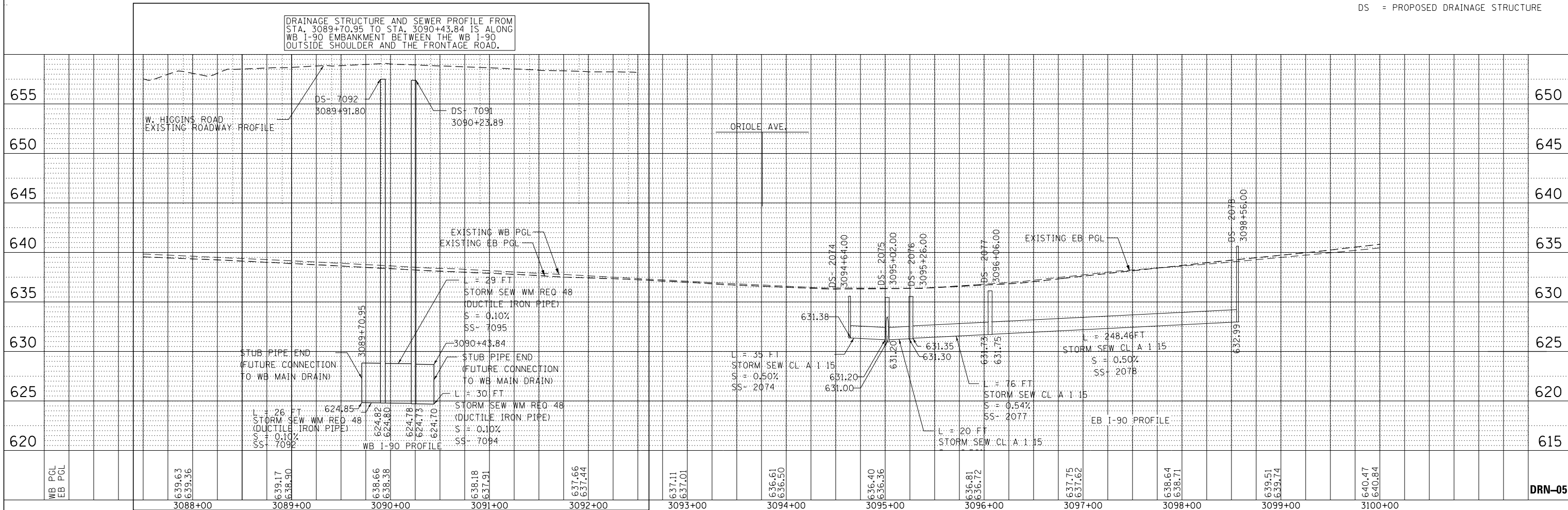
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	(1517 & 1415) R-3	COOK	557	171
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60Y38	

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



EDS = EXISTING DRAINAGE STRUCTURE
DS = PROPOSED DRAINAGE STRUCTURE

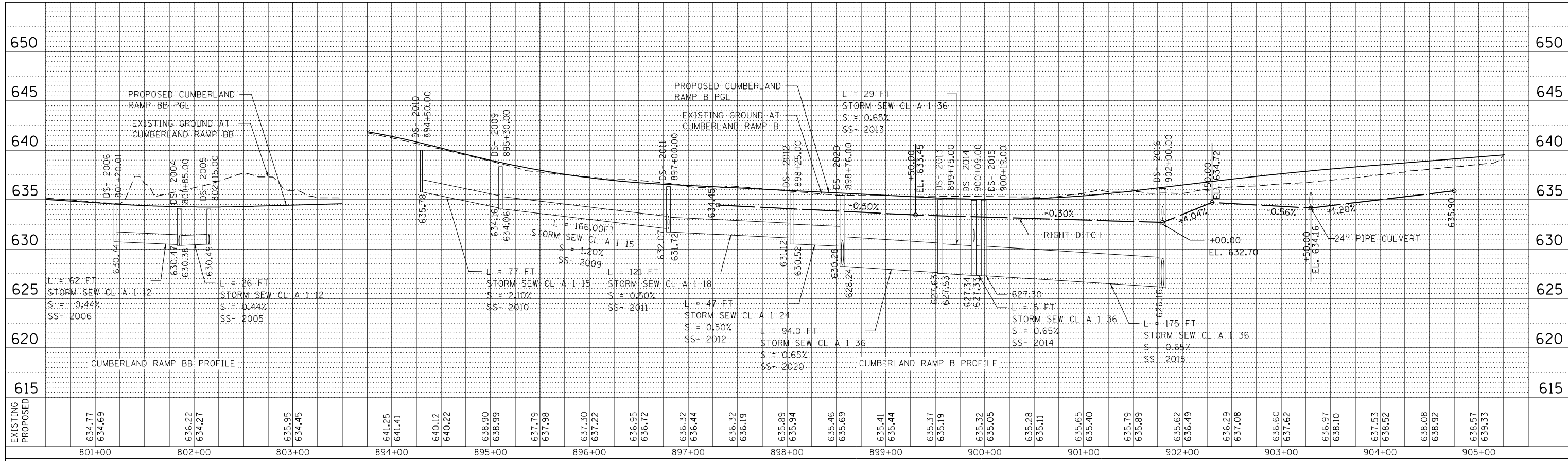
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	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NOTE BOOK NO.		
	CADD FILE NAME		



DRN-05

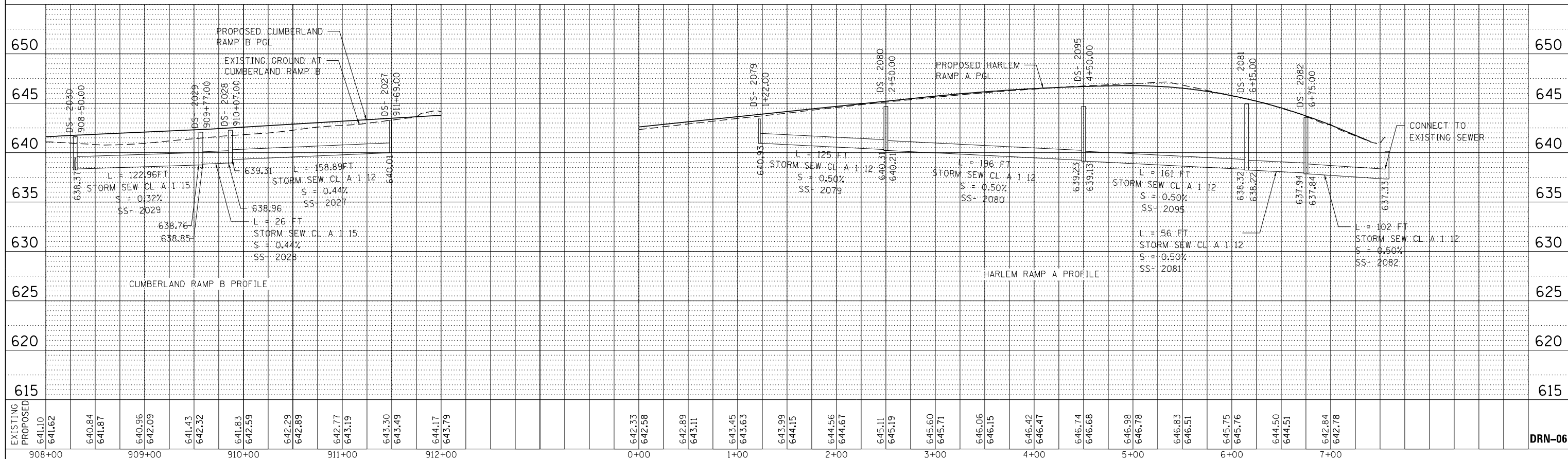
exp U.S. Services Inc. CHICAGO, IL BUILDINGS-EARTH & ENVIRONMENT-ENERGY INDUSTRIAL-INFRASTRUCTURE-SUSTAINABILITY	USER NAME = *USER*	DESIGNED HDU	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-90 EASTBOUND FROM CUMBERLAND AVE TO HARLEM AVE PROPOSED DRAINAGE PROFILES		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = *SCALE*	CHECKED SH	REVISED -		90	(1517 & 1415) R-3	COOK	557	172		
PLOT DATE = 6-03-2016	DATE 5/6/2016	REVISED -		SCALE: 1" = 50'	SHEET NO. 5 OF 13 SHEETS	STA.	TO STA.	CONTRACT NO. 60Y38			
FILE NAME *FILE#*								ILLINOIS FED. AID PROJECT			

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS OK'D		
	NOTE BOOK NO.		
	CADD FILE NAME		



EDS = EXISTING DRAINAGE STRUCTURE
DS = PROPOSED DRAINAGE STRUCTURE

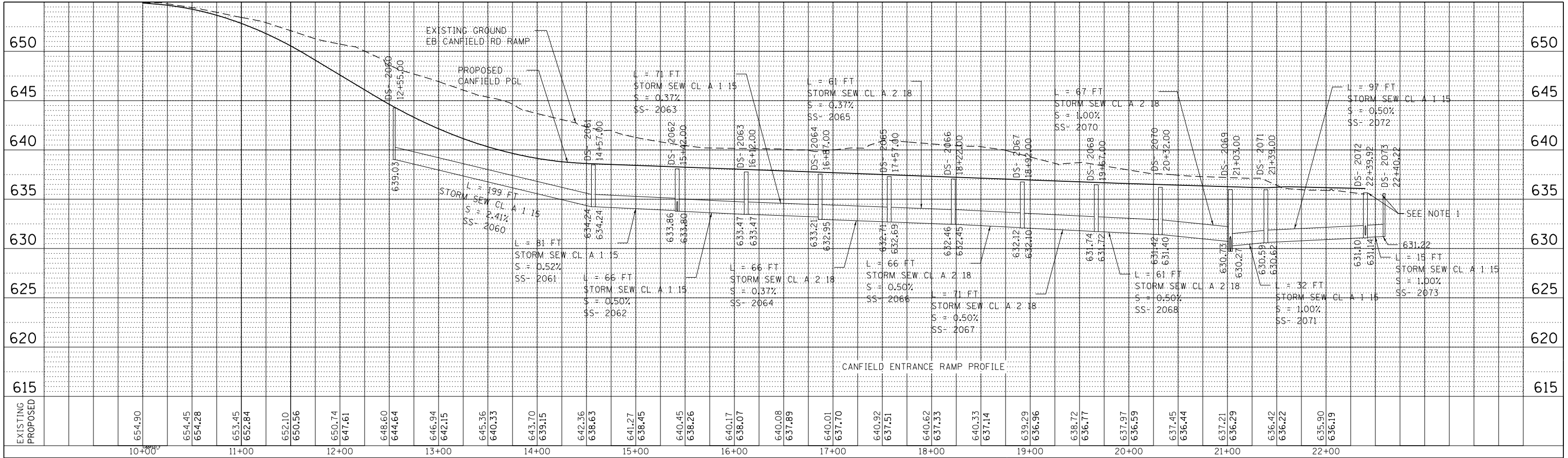
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	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS OK'D		
	NOTE BOOK NO.		
	CADD FILE NAME		



DRN-06

exp U.S. Services Inc. CHICAGO, IL BUILDINGS-EARTH & ENVIRONMENT-ENERGY INDUSTRIAL-INFRASTRUCTURE-SUSTAINABILITY	USER NAME = *USER*	DESIGNED HDU	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-90 EASTBOUND FROM CUMBERLAND AVE TO HARLEM AVE PROPOSED DRAINAGE PROFILES		F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = *SCALE*	CHECKED SH	REVISED -		90	(1517 & 1415) R-3	COOK	557	173		
	PLOT DATE = 5-03-2016	DATE 5/6/2016	REVISED -		SCALE: 1" = 50' SHEET NO. 6 OF 13 SHEETS STA. TO STA.			CONTRACT NO. 60Y38			
	ILLINOIS FED. AID PROJECT										

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



PIPE UNDERDRAIN SCHEDULE:

PIPE UNDERDRAINS, TYPE 2, 4" (60108204)									
PIPE NO.	DRAWING NO.	ALIGNMENT	FROM STA.	FROM OFFSET	FROM STR.	TO STA.	TO OFFSET	TO STR.	LENGTH (FT)
PUD-1	DRN-01	EX I-90 CL	3042+65	74.50	-	3044+24	77.50	-	161
PUD-2	DRN-01	EX I-90 CL	3047+90	74.50	-	3044+25	77.50	-	367
PUD-3	DRN-01	EX I-90 CL	3050+94	74.50	-	3048+00	77.50	-	294
PUD-4	DRN-01	PR_CMBB	908+50	4.00	2030	905+40	3.27	-	313
PUD-5	DRN-01	PR_CMBB	910+07	6.50	2028	908+50	4.00	2030	161
PUD-6	DRN-02	PR_CMBB	913+62	7.50	2026	910+07	6.50	2028	360
PUD-7	DRN-02	PR_CMBB	915+62	7.50	2025	913+62	7.50	2026	206
PUD-8	DRN-02	PR_CMBB	918+00	0.50	-	915+62	7.50	2025	241
PUD-9	DRN-02	EX I-90 CL	3063+86	74.50	-	3064+79	86.50	2035	97
PUD-10	DRN-02	EX I-90 CL	3064+79	86.50	2035	3066+25	85.50	2037	159
PUD-11	DRN-02	EX I-90 CL	3066+25	85.50	2037	3070+74	85.50	2040	464
PUD-12	DRN-02	EX I-90 CL	3070+74	85.50	2040	3074+44	78.50	2043	380
PUD-13	DRN-02	EX I-90 CL	3075+05	73.50	2056	3074+44	78.50	2043	65
PUD-14	DRN-02	EX I-90 CL	3076+07	82.00	2047	3075+05	73.50	2056	107
PUD-15	DRN-02	EX I-90 CL	3077+70	82.00	2049	3076+07	82.00	2047	172
PUD-16	DRN-02	EX I-90 CL	3079+56	83.00	2051	3077+70	82.00	2049	193
PUD-17	DRN-02	EX I-90 CL	3081+27	83.00	2052	3079+56	83.00	2051	182
PUD-18	DRN-02	EX I-90 CL	3082+91	83.00	2053	3081+27	83.00	2052	171
PUD-19	DRN-03	EX I-90 CL	3084+70	83.00	2055	3082+91	83.00	2053	185
PUD-20	DRN-03	EX I-90 CL	3085+32	74.50	-	3084+70	83.00	2055	65
PUD-21	DRN-03	EX I-90 CL	3093+50	74.50	-	3095+02	83.50	2093	156
PUD-22	DRN-03	EX I-90 CL	3096+06	82.00	2077	3095+02	83.50	2075	113
PUD-23	DRN-03	EX I-90 CL	3099+87	74.78	-	3096+06	82.00	2077	391
PUD-24	DRN-03	HARLEM_A	4+49	0.50	-	1+22	10.12	2079	331
PUD-25	DRN-03	HARLEM_A	4+51	0.50	-	6+20	7.46	2081	172
PUD-26	DRN-03	EX I-90 CL	3105+88	62.50	-	3108+50	71.00	2790	272
PUD-27	DRN-03	EX I-90 CL	3108+50	71.00	2790	3110+28	71.00	2792	188
PUD-28	DRN-04	EX I-90 CL	3111+00	62.50	-	3110+28	71.00	2792	76
PUD-1T	DRN-02	EX I-90 CL	3074+44	62.15	-	3074+44	78.50	2043	16
PUD-2T	DRN-03	EX I-90 CL	3095+02	61.88	-	3095+02	83.50	2075	22
TOTAL									6079

PIPE UNDERDRAINS 4" (SPECIAL) (60108100)									
PIPE NO.	DRAWING NO.	ALIGNMENT	FROM STA.	FROM OFFSET	FROM STR.	TO STA.	TO OFFSET	TO STR.	LENGTH (FT)
PUDS-1A	DRN-01	EX I-90 CL	3044+24	77.50	-	3044+24	99.40	HW-A	22
PUDS-2A	DRN-01	EX I-90 CL	3044+25	77.50	-	3044+25	99.40	HW-A	22
PUDS-3B	DRN-01	EX I-90 CL	3048+00	77.50	-	3048+00	117.75	HW-B	39
PUDS-4C	DRN-01	PR_CMBB	905+40	3.50	-	905+40	17.86	HW-C	15
TOTAL									98

CONCRETE HEADWALLS FOR PIPE DRAINS (60100060)						
PIPE NO.	DRAWING NO.	ALIGNMENT	STATION	OFFSET	INVERT (FT)	QUANTITY (EACH)
HW-A	DRN-01	EX I-90 CL	3044+25	99.40	633.98	1
HW-B	DRN-01	EX I-90 CL	3048+00	117.75	635.62	1
HW-C	DRN-01	PR_CMBB	905+40	17.86	637.15	1
TOTAL						3

EDS = EXISTING DRAINAGE STRUCTURE
DS = PROPOSED DRAINAGE STRUCTURE

NOTE:
1) STRUCTURES 2072 AND 2073 ARE ALONG THE I-90 PROFILE.

PROFILE	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	
	CHECKED	
	GRADES	
	STRUCTURE	
	NOT AT THIS OFFICE	

DRN-07

exp U.S. Services Inc. CHICAGO, IL BUILDINGS-EARTH & ENVIRONMENT-ENERGY INDUSTRIAL-INFRASTRUCTURE-SUSTAINABILITY	USER NAME = *USER*	DESIGNED HDU	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-90 EASTBOUND FROM CUMBERLAND AVE TO HARLEM AVE PROPOSED DRAINAGE PROFILES AND PIPE UNDERDRAIN SCHEDULE			F.A.I. RTE. 90	SECTION (1517 & 1415) R-3	COUNTY COOK	TOTAL SHEETS 557	SHEET NO. 174
	PLOT SCALE = *SCALE*	CHECKED SH	REVISED -		SCALE: 1" = 50'	SHEET NO. 7 OF 13 SHEETS	STA.	TO STA.	CONTRACT NO. 60Y38		ILLINOIS FED. AID PROJECT	
	PLOT DATE = 5-03-2016	DATE 5/6/2016	REVISED -									

FILE NAME *FILEL*

DRAINAGE STRUCTURE SCHEDULE

Table with columns: STRUCTURE NO., STRUCTURE DESCRIPTION, CENTERLINE (ALIGNMENT, STATION, OFFSET, DIR.), PROPOSED RIM ELEVATION, INVERTS (NORTH, SOUTH, EAST, WEST), PIPE CONNECTIONS (Pipe No. - Pipe Size), SHEET NO., STRUCTURE TOP.

ES = EXISTING STRUCTURE
EP = EXISTING PIPE
SP = STUB PIPE

NOTE:

- 1) STRUCTURE IS TO BE MOVED EAST OF THE PROPOSED LOCATION IF IN CONFLICT WITH EXISTING GAS LINE. ONLY MOVE THE DISTANCE REQUIRED TO CLEAR THE GAS LINE.
2) STRUCTURE ELEVATIONS MUST BE FIELD VERIFIED PRIOR TO MATERIALS BEING ORDERED.

STORM SEWER SCHEDULE

Table with columns: PIPE NO., PIPE DESCRIPTION, PIPE SIZE, LENGTH (FT), SLOPE (%), TRENCH BACKFILL (CUYD), SHEET NO., FROM STRUCTURE, TO STRUCTURE.

STORM SEWER SCHEDULE

Table with columns: PIPE NO., PIPE DESCRIPTION, PIPE SIZE, LENGTH (FT), SLOPE (%), TRENCH BACKFILL (CUYD), SHEET NO., FROM STRUCTURE, TO STRUCTURE.

STORM SEWER SCHEDULE CONTINUED ON SHEET DRN-10

DRN-09



Table with columns: USER NAME, DESIGNED, REVISED, DRAWN, HDU, REVISION, CHECKED, SH, REVISION, DATE, 5/6/2016, REVISION.

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

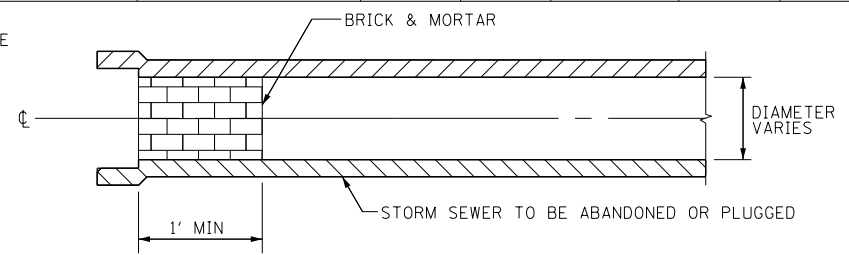
I-90 EASTBOUND FROM CUMBERLAND AVE TO HARLEM AVE PROPOSED DRAINAGE SCHEDULE

SCALE: 1" = 50' SHEET NO. 9 OF 13 SHEETS STA. TO STA.

Table with columns: F.A.I. RTE., SECTION, COUNTY, TOTAL SHEETS, SHEET NO., ILLINOIS FED. AID PROJECT.

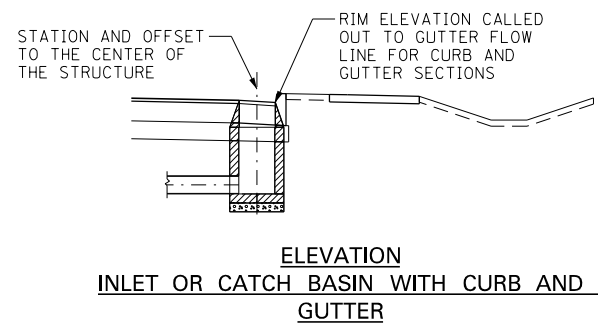
STORM SEWER SCHEDULE								
PIPE NO.	PIPE DESCRIPTION	PIPE SIZE	LENGTH (FT)	SLOPE (%)	TRENCH BACKFILL (CUYD)	SHEET NO.	FROM STRUCTURE	TO STRUCTURE
2066	STORM SEW CL A 2 18	DIA 18"	66	0.50	20.5	DRN-3	2066	2067
2067	STORM SEW CL A 2 18	DIA 18"	71	0.50	22.7	DRN-3	2067	2068
2068	STORM SEW CL A 2 18	DIA 18"	61	0.50	20.1	DRN-3	2068	2070
2069	STORM SEW CL A 1 18	DIA 18"	5	16.77	4.9	DRN-3	2069	EP
2070	STORM SEW CL A 2 18	DIA 18"	69	1.00	25.0	DRN-3	2070	2069
2071	STORM SEW CL A 1 15	DIA 15"	30	1.00	12.4	DRN-3	2071	2069
2072	STORM SEW CL A 1 15	DIA 15"	97	0.50	33.6	DRN-3	2072	2071
2073	STORM SEW CL A 1 15	DIA 15"	15	0.51	4.2	DRN-3	2073	2072
2074	STORM SEW CL A 1 15	DIA 15"	34	0.52	9.0	DRN-3	2074	2075
2075	STORM SEW CL A 1 30	DIA 30"	60	3.21	27.8	DRN-3	2075	ES
2076	STORM SEW CL A 1 15	DIA 15"	20	0.50	5.3	DRN-3	2076	2075
2077	STORM SEW CL A 1 15	DIA 15"	76	0.50	20.7	DRN-3	2077	2076
2078	STORM SEW CL A 1 30	DIA 30"	248	0.50	177.2	DRN-3	2078	2077
2079	STORM SEW CL A 1 12	DIA 12"	125	0.50	22.0	DRN-3	2079	2080
2080	STORM SEW CL A 1 12	DIA 12"	196	0.50	82.9	DRN-3	2080	2095
2081	STORM SEW CL A 1 12	DIA 12"	56	0.50	40.6	DRN-3	2081	2082
2082	STORM SEW CL A 1 12	DIA 12"	100	0.51	26.3	DRN-3	2082	2083
2083	STORM SEW CL A 1 12	DIA 12"	2	1.00	0.7	DRN-2	2083	2042
2084	STORM SEW CL A 1 12	DIA 12"	9	0.50	2.3	DRN-3	2084	2074
2090	STORM SEW CL A 2 12	DIA 12"	2	1.00	1.3	DRN-2	2090	2047
2091	STORM SEW CL A 2 12	DIA 12"	1	1.15	1.2	DRN-3	2091	2062
2092	STORM SEW CL A 2 12	DIA 12"	1	1.32	1.2	DRN-3	2092	2072
2093	STORM SEW CL A 2 12	DIA 12"	1	1.15	1.0	DRN-3	2093	2075
2094	STORM SEW CL A 1 12	DIA 12"	1	0.50	1.0	DRN-3	2094	2077
2095	STORM SEW CL A 1 12	DIA 12"	161	0.50	135.5	DRN-3	2095	2081
2096	STORM SEW CL A 2 12	DIA 12"	7	0.50	1.7	DRN-2	2096	2052
2100	STORM SEW WM REQ 12	DIA 12"	8	0.50	2.1	DRN-3	2100	ES
2101	STORM SEW WM REQ 12	DIA 12"	8	0.50	2.5	DRN-3	2101	ES
2102	STORM SEW WM REQ 12	DIA 12"	6	0.51	2.2	DRN-3	2102	ES
2103	STORM SEW WM REQ 12	DIA 12"	7	0.50	2.6	DRN-3	2103	ES
2104	STORM SEW WM REQ 12	DIA 12"	8	0.50	1.9	DRN-3	2104	ES
2110	STORM SEW WM REQ 12	DIA 12"	5	1.00	1.7	DRN-3	2110	ES
2111	STORM SEW WM REQ 12	DIA 12"	4	0.50	4.9	DRN-3	2111	ES
2232	STORM SEW CL A 1 15	DIA 15"	4	0.36	0.0	DRN-1	2233	2232
2233	STORM SEW CL A 1 15	DIA 15"	5	0.35	0.0	DRN-1	2234	2233
2555	STORM SEW CL A 1 12	DIA 12"	16	2.13	4.3	DRN-3	2055	EP
2793	STORM SEW CL A 1 12	DIA 12"	22	0.50	4.8	DRN-4	2793	ES
2931	STORM SEW CL A 1 15	DIA 15"	31	0.53	0.0	DRN-3	2931	2932
2932	STORM SEW CL A 1 15	DIA 15"	2	0.50	0.5	DRN-3	2932	2055
3010	P CUL CL A 1 EQRS 24	ELPT EQRS 24"	43	0.17	0.8	DRN-1	3010	3013
3013	P CUL CL A 1 24	DIA 24"	49	0.17	3.3	DRN-1	3013	3012
5017	STORM SEW CL A 1 36	DIA 36"	108	0.54	237.4	DRN-1	2017	5018
5018	STORM SEW CL A 1 36	DIA 36"	28	0.54	68.5	DRN-1	5018	EP
5020	STORM SEW CL A 1 30	DIA 30"	17	0.22	0.0	DRN-4	ES	2020
5030	STORM SEW CL A 1 24	DIA 24"	35	0.17	52.9	DRN-1	5030	EP
6000	P CUL CL A 1 12 TEMP	DIA 12"	68	1.00	9.1	DRN-1	6000	5030
6002	P CUL CL A 1 12 TEMP	DIA 12"	58	1.56	0.0	DRN-1	6002	6001
6004	P CUL CL A 1 12 TEMP	DIA 12"	88	1.94	0.0	DRN-1	6004	6003
6005	P CUL CL A 1 12 TEMP	DIA 12"	65	1.00	4.6	DRN-4	6005	6006
**	7092	STORM SEW WM REQ 48	27	0.10	223.1	DRN-3	7092	7091
**	7094	STORM SEW WM REQ 48	30	0.10	201.3	DRN-3	7091	SP
**	7095	STORM SEW WM REQ 48	28	0.10	196.7	DRN-3	SP	7092

ES = EXISTING STRUCTURE
 EP = EXISTING PIPE
 SP = STUB PIPE
 ** DUCTILE IRON PIPE

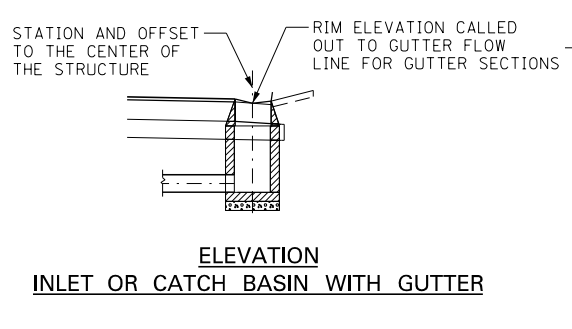


NOTE:
 THIS WORK SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE BID FOR THE STORM SEWER ITEMS.

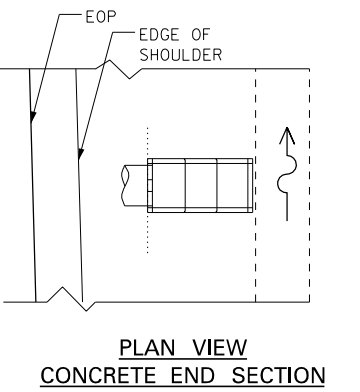
STORM SEWER PLUG



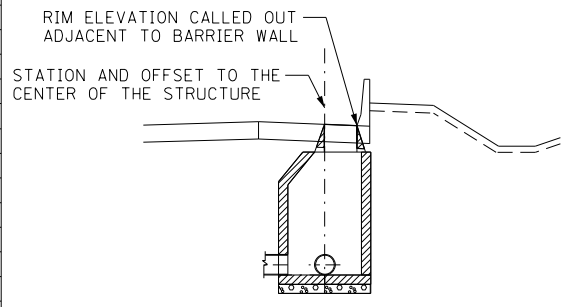
ELEVATION
 INLET OR CATCH BASIN WITH CURB AND GUTTER



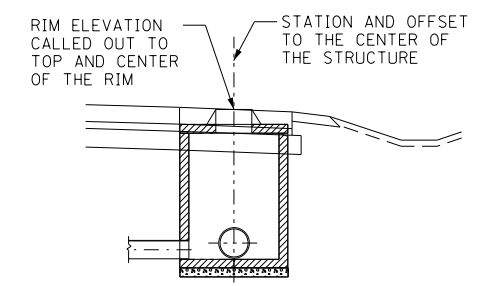
ELEVATION
 INLET OR CATCH BASIN WITH GUTTER



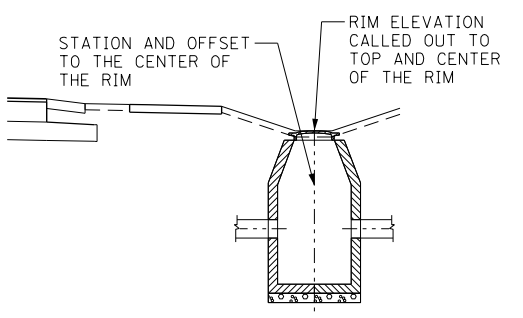
PLAN VIEW
 CONCRETE END SECTION



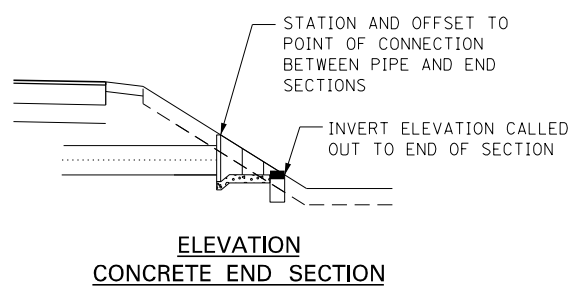
SECTION
 INLET OR CATCH BASIN IN SHOULDER WITH CONCRETE BARRIER WALL



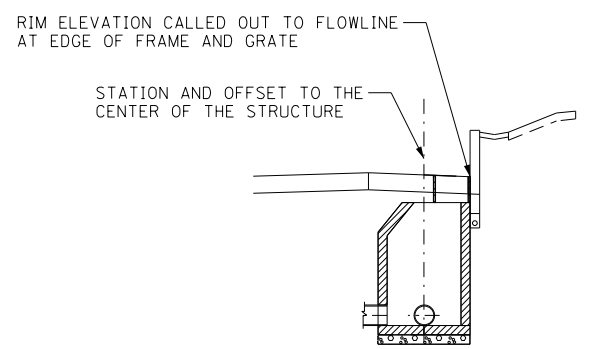
SECTION
 MANHOLE IN THE MIDDLE OF ROAD AND SHOULDER (CONE AND FLAT SLAB TOP SECTIONS)



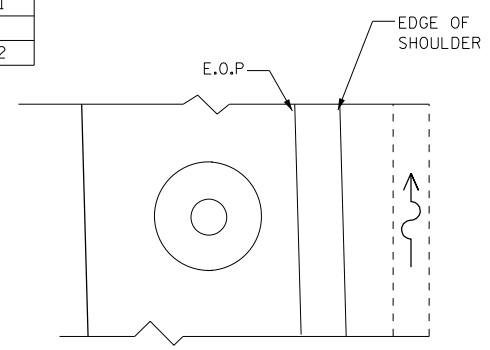
ELEVATION
 INLET IN DITCH OR SWALE



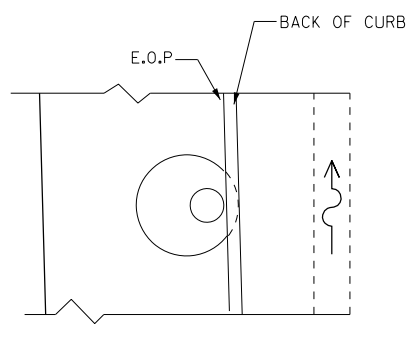
ELEVATION
 CONCRETE END SECTION



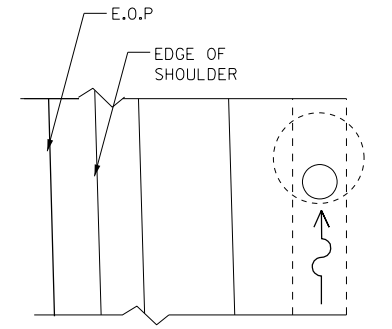
SECTION
 INLET OR CATCH BASIN IN SHOULDER WITH RETAINING WALL



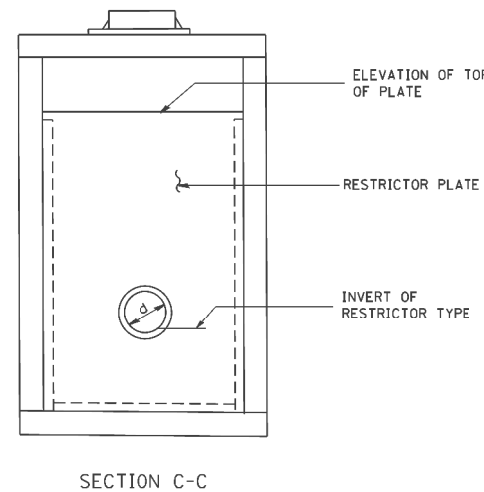
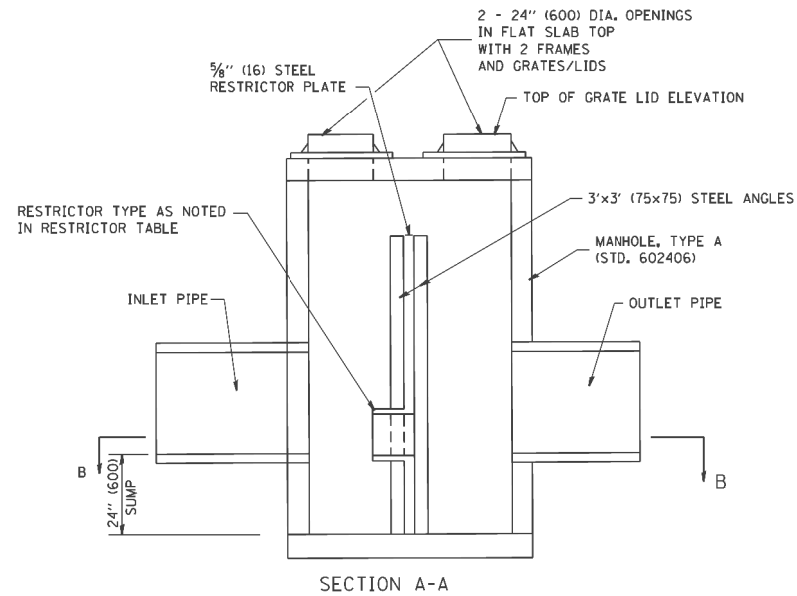
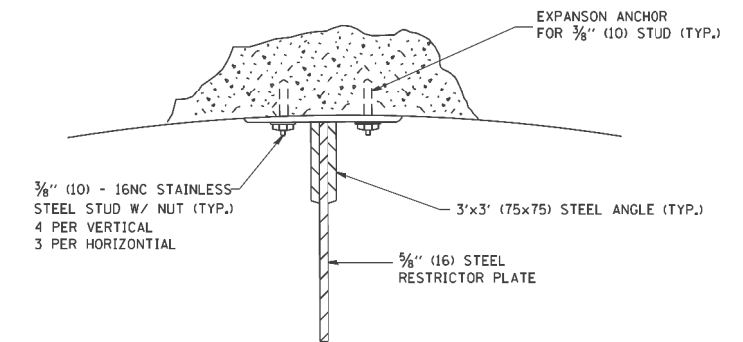
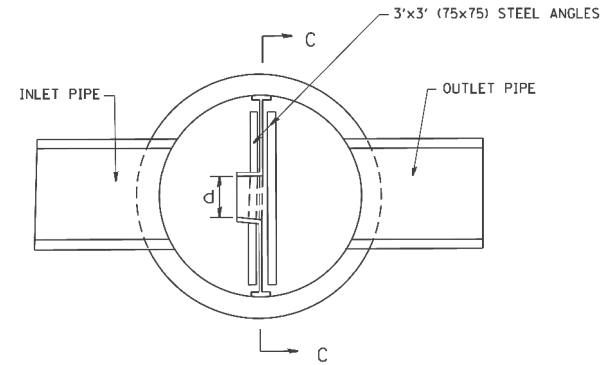
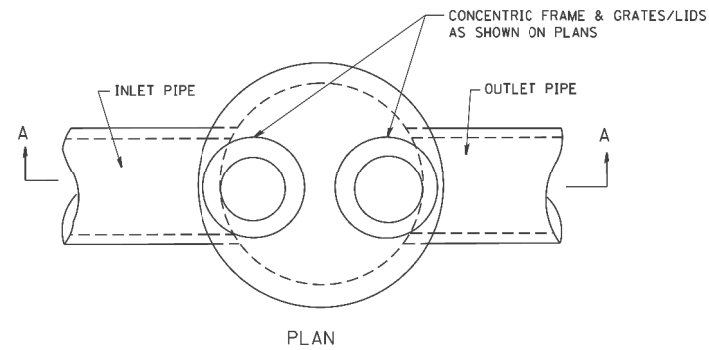
PLAN VIEW
 MANHOLE IN THE MIDDLE OF ROAD AND SHOULDER



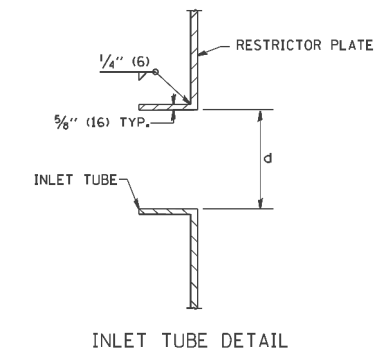
PLAN VIEW
 INLET WITH CURB AND GUTTER



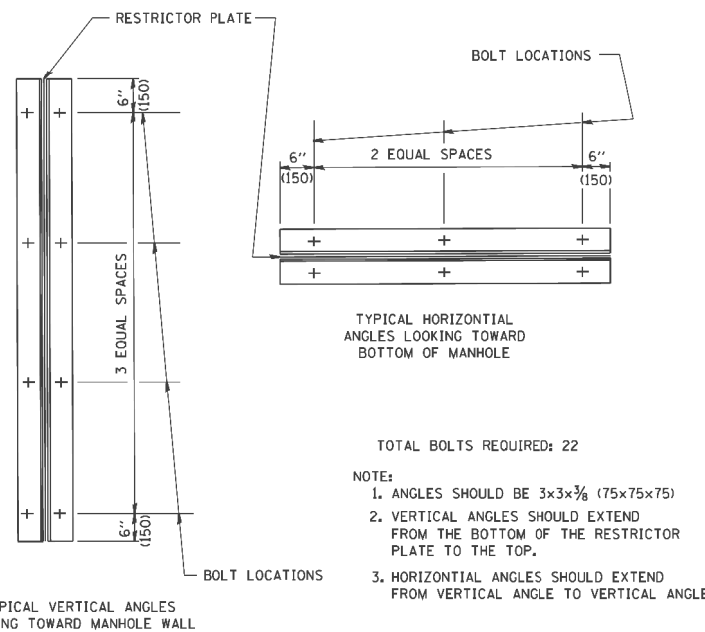
PLAN VIEW
 INLET IN DITCH



- NOTES:
1. ALL STEEL ANGLES AND PLATES TO BE GALVANIZED AFTER FABRICATION.
 2. ALL RESTRICTOR PLATES, ANGLES AND HARDWARE TO BE INCLUDED IN THE COST OF THE MANHOLE.
 3. BASIS OF PAYMENT: "MANHOLES, TYPE A, 6 FT. (1.8 m)-DIAMETER, TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE" EACH



STATION	MANHOLE DIAMETER	FRAME AND GRATE	RESTRICTOR TYPE	INSIDE RESTRICTOR TYPE DIAMETER in. (mm) (d)	INVERT OF RESTRICTOR TYPE	ELEVATION OF TOP OF PLATE OVERFLOW	STR
3044+82	6'	TY 1	2	12.0"	632.06'	634.0'	2233
3073+90	6'	TY 1	2	6.5"	627.29'	629.9'	2042

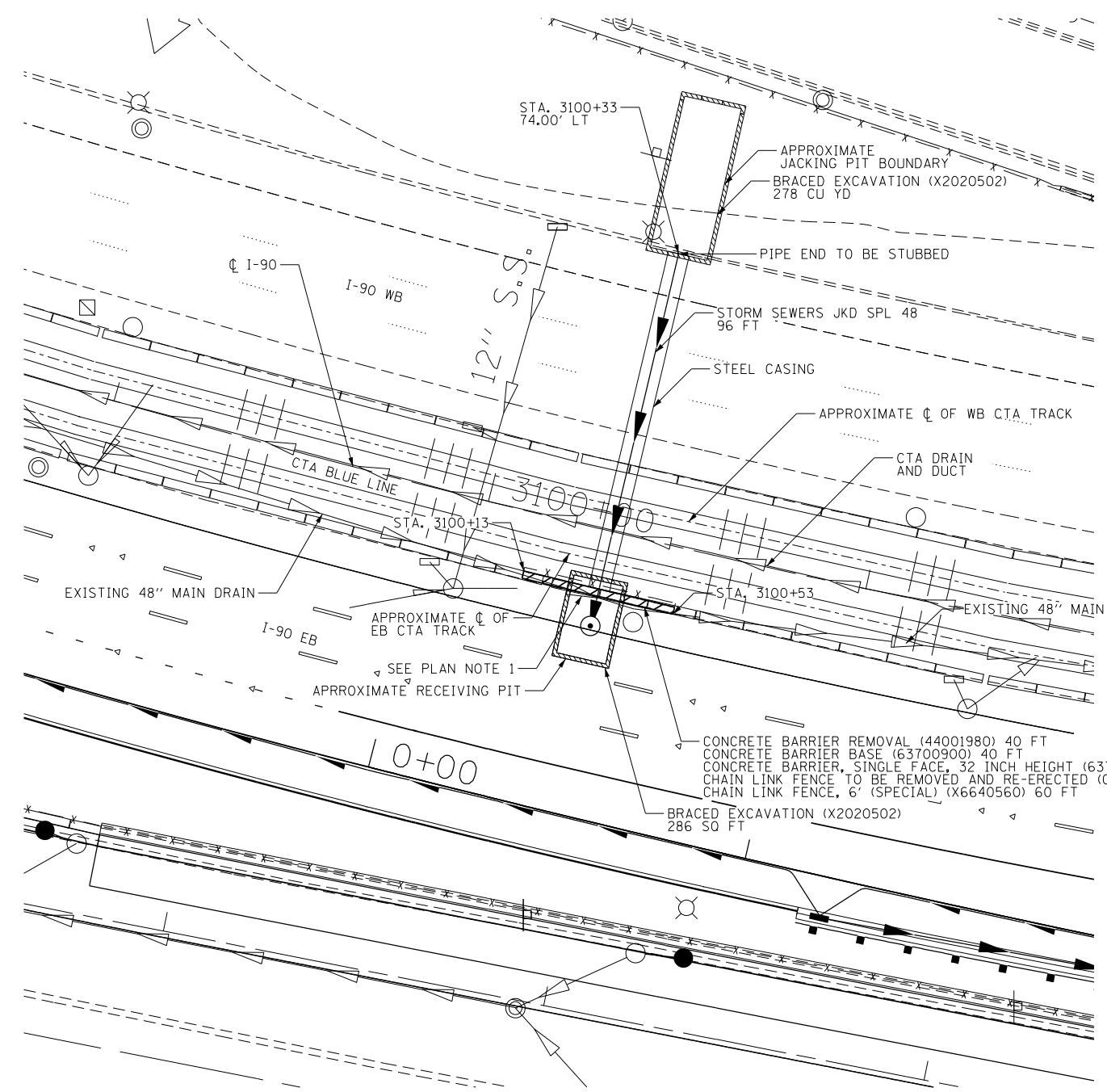


RESTRICTOR TYPE					
1	2	3	4	5	6
RE-ENTRANT TUBE	SHARP EDGED	SQUARE EDGED	RE-ENTRANT TUBE	SQUARE EDGED	ROUNDED
LENGTH: 1/2 TO 1 DIA.		STREAM CLEARS SIDES	LENGTH: 2-1/2 DIA.	LENGTH: 2-1/2 DIA.	
C=.52	C=.61	C=.61	C=.73	C=.82	C=.98

VALUES OF "C" FOR CIRCULAR AND SQUARE ORIFICES

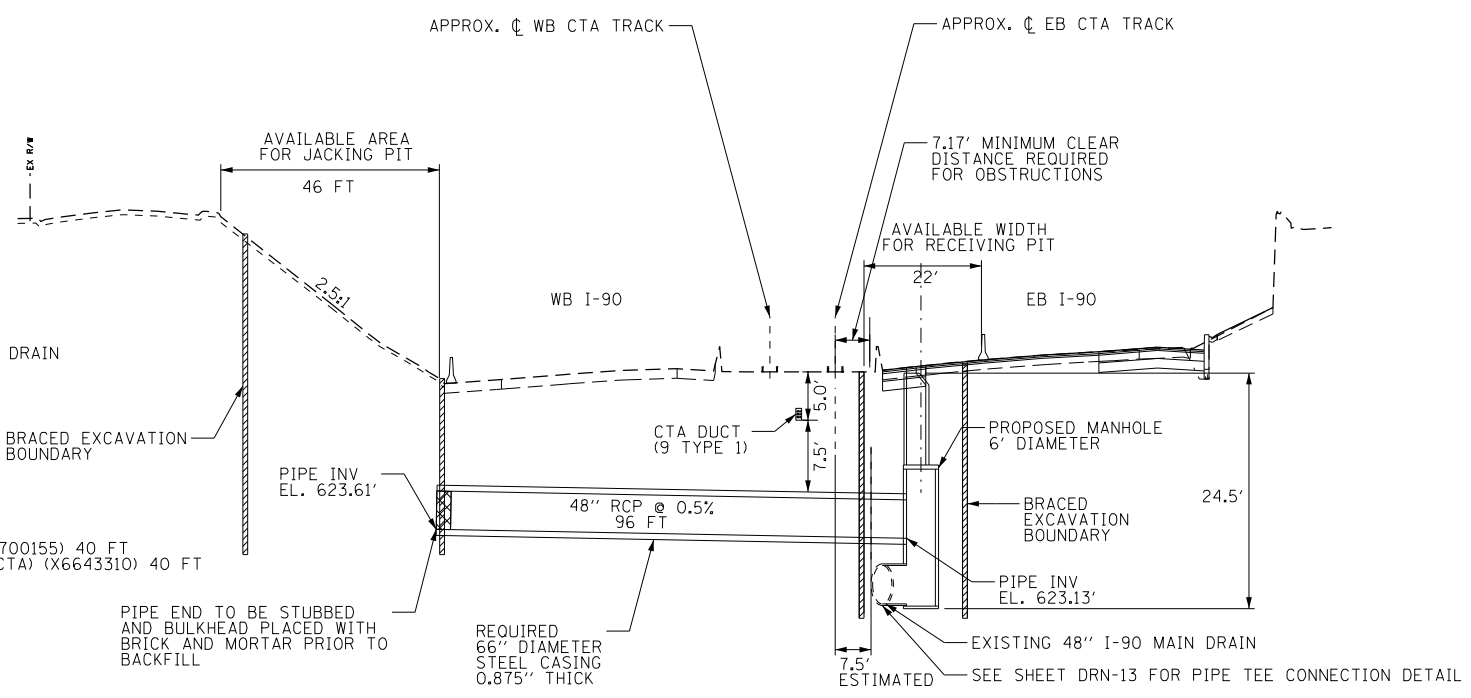
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

DRN-11



PLAN

PLAN NOTES:
 1. THE FINAL LOCATION OF EXISTING SEWER MAIN DRAIN TO BE DETERMINED BY THE CONTRACTOR PRIOR TO DETERMINATION OF EXACT LIMITS OF CTA BARRIER WALL REMOVAL AND CHAIN LINK FENCE TO BE REMOVED AND RE-ERECTED. CHAIN LINK FENCE, 6" (SPECIAL) SHALL BE UTILIZED TO MAINTAIN ACCESS CONTROL TO THE CTA OPERATING AREA WHILE CTA BARRIER IS REMOVED IN ACCORDANCE WITH THE SPECIAL PROVISION FOR CTA FLAGGING AND COORDINATION.



PIPE JACKING DETAIL
NOT TO SCALE

- DETAIL NOTES:
- CONTRACTOR SHALL FIELD VERIFY LOCATION OF EXISTING MAIN DRAIN SEWER AND ADJUST LOCATIONS OF JACKING PIT, BRACED EXCAVATION AND STORM SEWER JACKING AS REQUIRED.
 - SEE SPECIAL PROVISIONS FOR REQUIREMENTS FOR WORK IN AND AROUND THE CTA OPERATING AREA.
 - DIMENSIONS SHOWN ON PLAN BETWEEN PROPOSED DRAINAGE STRUCTURE AND CENTERLINE OF NEAREST CTA TRACK IS BASED ON LIMITED AVAILABLE INFORMATION. CONTRACTOR SHALL FIELD VERIFY LOCATIONS AND DIMENSIONS AND ADJUST JACKING PIT AND BRACED EXCAVATION AS NECESSARY.
 - CONTRACTOR SHALL COORDINATE INSTALLATION OF BRACED EXCAVATION WITH CTA, INCLUDING TEMPORARY TRACK CLOSURES DURING EXCAVATION. BRACED EXCAVATION SHALL BE IN PLACE, AND ALL ABOVE GROUND OBSTRUCTIONS SHALL BE REMOVED, PRIOR TO RE-OPENING OF THE CTA TRACK FOR SERVICE. NO WORK WITHIN THE BRACED EXCAVATION WILL BE ALLOWED WHILE EB CTA (SOUTH) TRACK IS IN SERVICE.

USER NAME = *USER*	DESIGNED HDU	REVISED -
PLOT SCALE = *SCALE*	DRAWN HDU	REVISED -
PLOT DATE = 5-03-2016	CHECKED SH	REVISED -
	DATE 5/6/2016	REVISED -

GENERAL NOTES:

- THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATION.
- IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR, THE CONTRACTOR SHALL REPLACE THAT SECTION OF PIPE WITH PIPE EQUAL AND SIMILAR IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER, IN A CAREFUL WORKMANLIKE MANNER, AT NO ADDITIONAL COST TO THE DEPARTMENT.
- THE COLLAR SHALL BE EXTENDED TO BE 12" BEYOND ANY EXISTING PIPE JOINT WITHIN 12" OF THE END OF THE PIPE TEE.
- DEBRIS MUST BE PREVENTED FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.
- CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

MATERIALS:

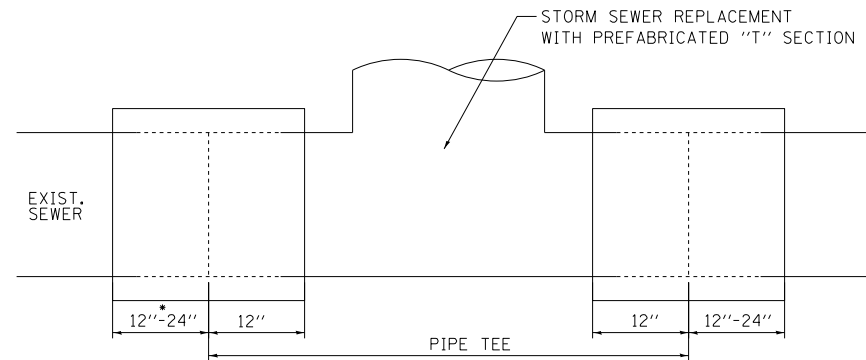
- MATERIAL USED FOR THE TEE SECTION SHALL BE COMPATIBLE WITH THE EXISTING STORM SEWER OR THE PROPOSED STORM SEWER.

CONSTRUCTION SEQUENCE:

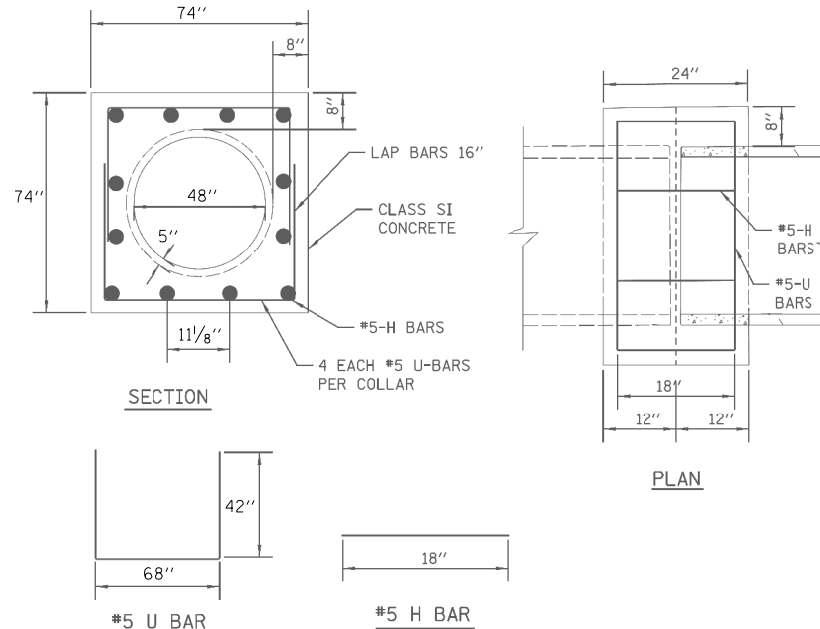
- CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT, BRUSH AND CLEAN ALL PIPES.
- APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
- BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12"-24"X6" DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
- CUT A PIECE OF SHEET METAL GAGE NO. 19 18" WIDE BY THE OUTSIDE CIRCUMFERENCE OF THE PIPE PLUS 3" LONG.
- WRAP THE SHEET METAL AROUND THE PIPES, 9" ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
- LAP THE SHEET METAL AT LEAST 3" AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
- PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
- WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OZZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
- PLACE CLASS SI CONCRETE AROUND THE JOINT.

BASIS OF PAYMENT:

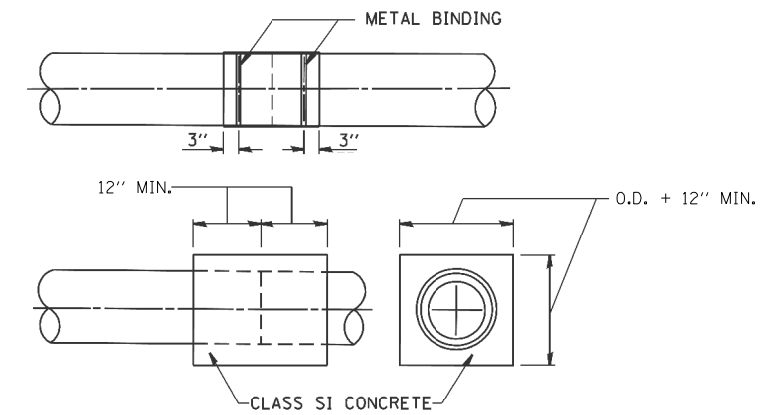
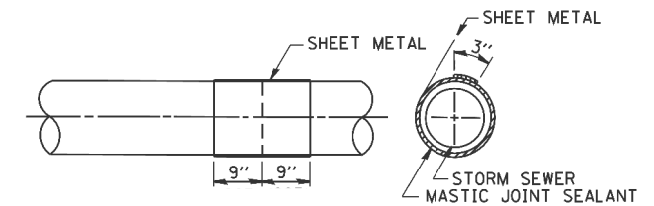
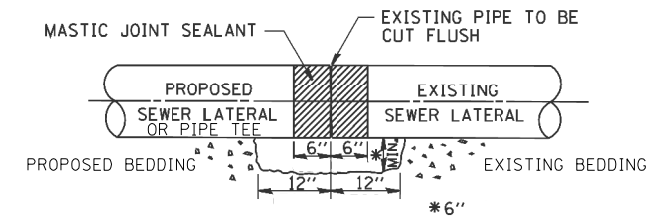
- TEE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR REINFORCED CONCRETE PIPE TEE, 48" PIPE WITH 48" RISER, THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FURNISHING AND INSTALLING THE REQUIRED CONCRETE COLLARS, AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED.
- REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.
- TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.



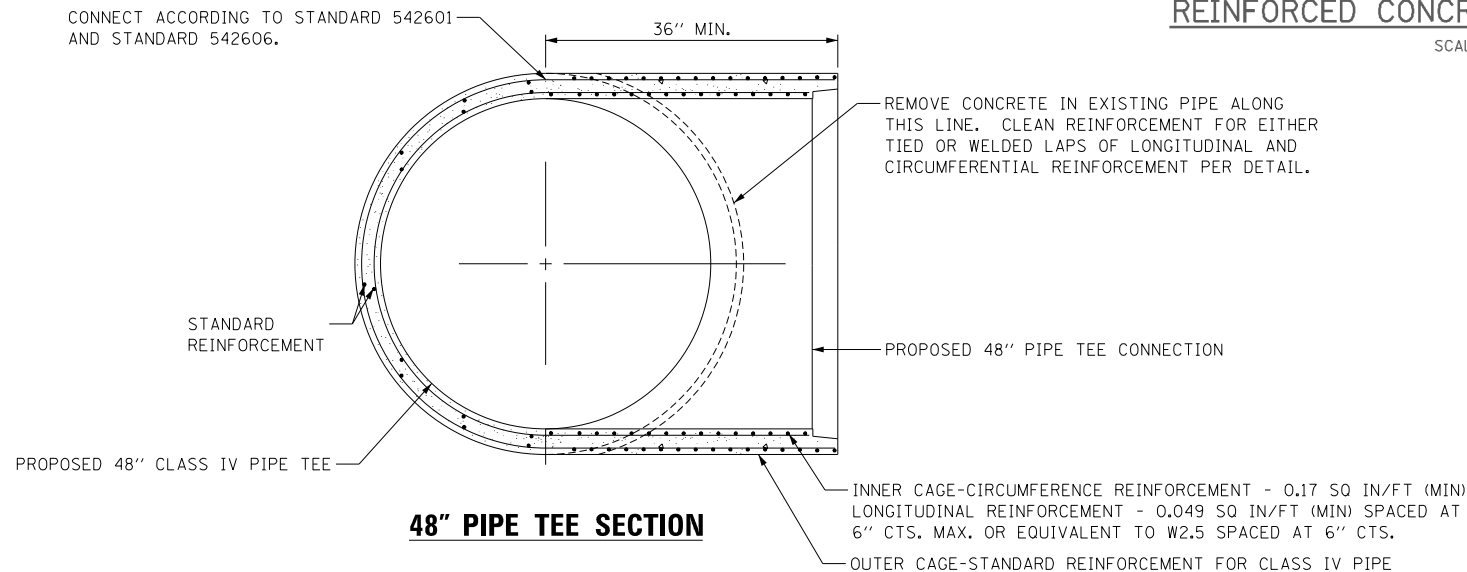
• SEE GENERAL NOTE 3



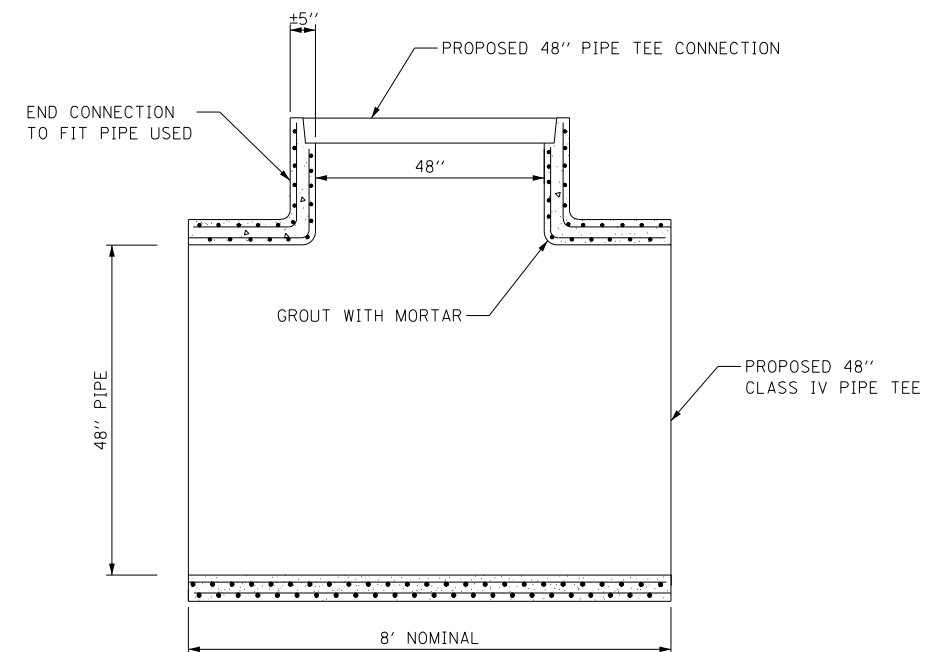
PIPE TO PIPE REINFORCED CONCRETE COLLAR DETAIL
SCALE: N.T.S.



CONNECT ACCORDING TO STANDARD 542601 AND STANDARD 542606.



48\"/>



48\"/>

DRN-13

USER NAME = URKEVIHD	DESIGNED HDU	REVISED -
PLOT SCALE = 1:8000' / 1/8\"/>	DRAWN HDU	REVISED -
PLOT DATE = 5/3/2016	CHECKED SH	REVISED -
	DATE 5/6/2016	REVISED -

F.A.I. RTE. 90	SECTION (1517 & 1415) R-3	COUNTY COOK	TOTAL SHEETS 557	SHEET NO. 180
				CONTRACT NO. 60Y38
ILLINOIS FED. AID PROJECT				

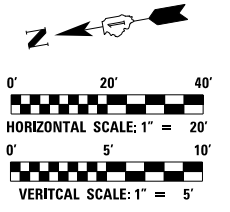
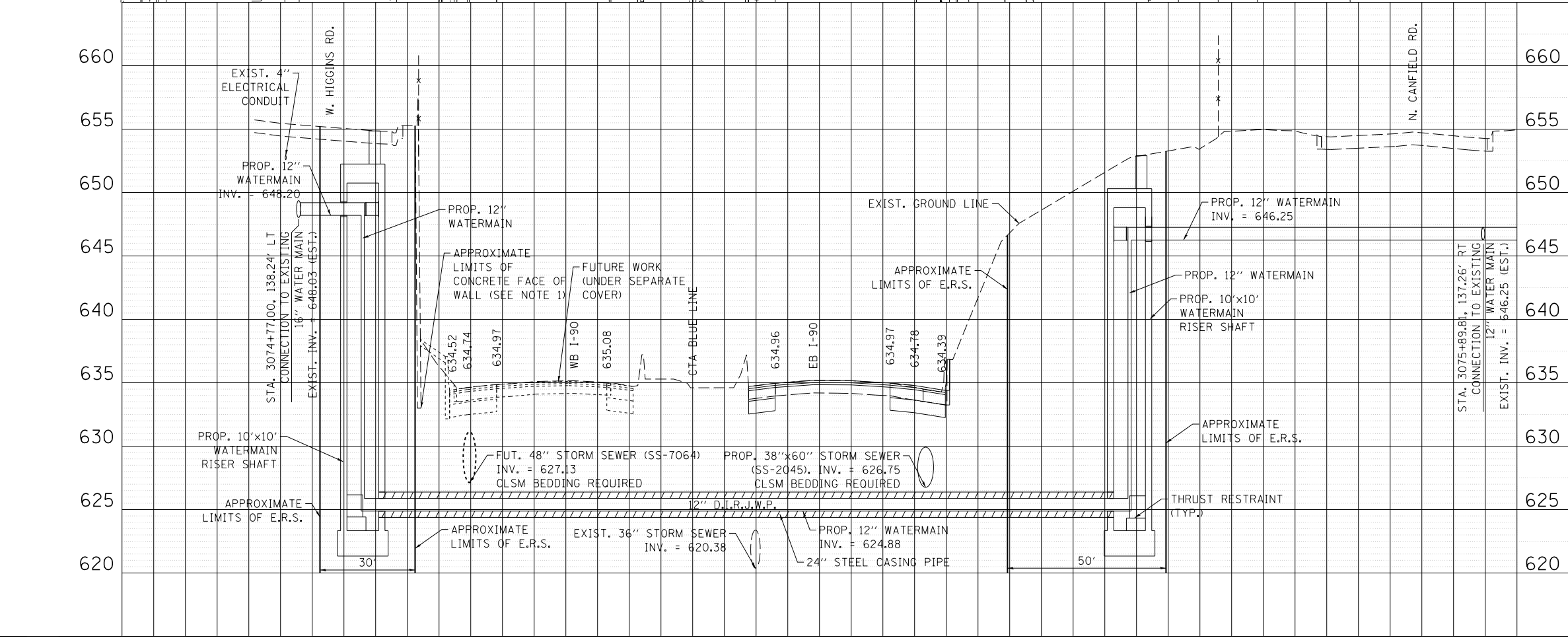
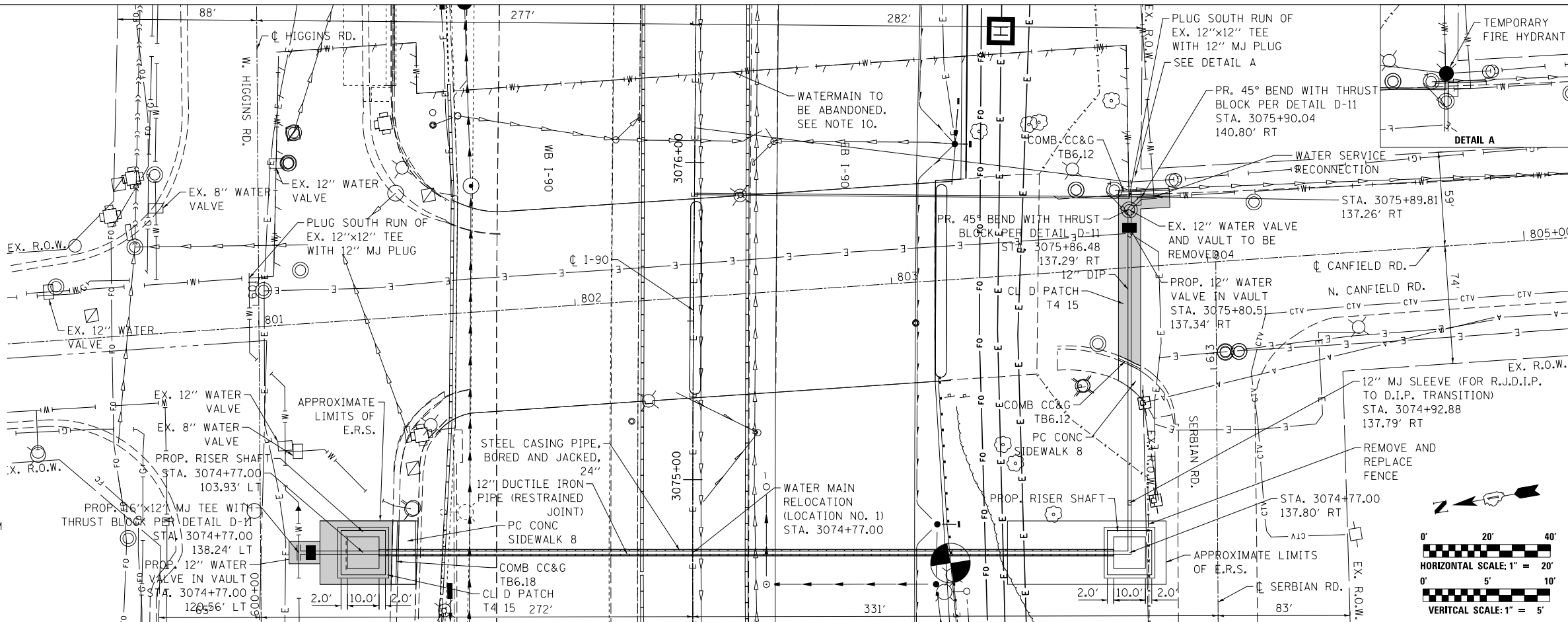
CONSTRUCTION SEQUENCING NOTES:

NOTE: ALL OF THE FOLLOWING WATER MAIN CONSTRUCTION MUST BE COORDINATED AND SEQUENCED WITH THE BRACED EXCAVATION SUPPORT SYSTEM FOR THE JACKING AND RECEIVING PITS AND ANY OTHER EXCAVATIONS REQUIRING BRACING, DEMOLITION OF THE EXISTING RISER SHAFT, AND CONSTRUCTION OF THE NEW RISER SHAFT. REFERENCE RISER SHAFT PLANS FOR MORE DETAILED CONSTRUCTION SEQUENCING OF THESE ITEMS.

1. INSTALL JACKING AND RECEIVING PITS. THE CONTRACTOR SHALL LOCATE THE PILES OF THE EXISTING SOLDIER PILE WALL ON THE NORTH SIDE OF I-90 BY ACCESSING FROM THE RECEIVING PIT / EARTH RETAINING SYSTEM OR OTHER MEANS IN ORDER TO CENTER THE PROPOSED WATER MAIN BETWEEN SUCH SOLDIER PILES.
2. INSTALL 24" CASING PIPE AND 12" CARRIER PIPE BETWEEN THE PROPOSED RISER SHAFT LOCATIONS.
3. CONSTRUCT RISER SHAFTS. AFTER CONSTRUCTION OF THE NEW RISER SHAFTS, SET PIPE, FITTINGS, AND APPURTENANCES AS SHOWN IN THE RISER SHAFT DETAILS.
4. SET PIPE, FITTINGS, VALVE, VALVE BASIN, AND APPURTENANCES AS SHOWN FROM THE NORTH RISER SHAFT TO THE POINT OF CONNECTION TO THE EXISTING 16" WATER MAIN IN HIGGINS. COORDINATE THE LOCATION OF THE TEE WITH THE LOCATION OF THE THRUST RESTRAINT BLOCK.
5. SET PIPE, FITTINGS, VALVE, VALVE BASIN, AND APPURTENANCES AS SHOWN FROM THE SOUTH RISER SHAFT TO THE TEMPORARY FIRE HYDRANT AS SHOWN. COORDINATE THE LOCATION OF BENDS WITH THE LOCATION OF THE THRUST RESTRAINER PILES.
6. CONNECT NEW WATER MAIN TO EXISTING 16" PIPE. COMPLETE WATER MAIN CONNECTION TO EXISTING MAINS USING SHORT TERM LANE CLOSURES ON WEEKENDS USING APPLICABLE IDOT STANDARDS AS DIRECTED BY THE ENGINEER.
7. DISINFECT, FLUSH, AND PRESSURE TEST PER GENERAL NOTES.
8. REMOVE TEMPORARY FIRE HYDRANT AND CONNECT NEW WATER MAIN TO EXISTING 12" PIPE WITH SLEEVE COUPLING. INSTALL THRUST RESTRAINT BLOCKS BEHIND 45° BENDS PER CDWM DETAIL D-11.
9. CONTACT CDWM FOR SHUTDOWN OF EXISTING WATER MAIN. (312-744-5070)
10. CUT, CAP, AND ABANDON EXISTING 12" WATER MAIN TO THE NORTH IN HIGGINS ROAD AND TO THE SOUTH IN CANFIELD ROAD. EXACT LOCATIONS AND DEPTH OF EXISTING WATER MAINS TO BE VERIFIED IN FIELD BY CONTRACTOR.
11. BEFORE THE WATER MAIN CAN BE FILLED AND FLUSHED, THE BRACED EXCAVATION AREA MUST BE BACKFILLED AND THRUST RESTRAINT SYSTEMS IN PLACE.
12. CONTACT CDWM TO OPERATE VALVES FOR FILLING AND FLUSHING WATER MAIN.
13. RESTORE ALL WATER MAIN TRENCHES AS SHOWN.

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

PROFILE	SURVEYED	DATE
NOTE BOOK	GRADES CHECKED	
NO.	STRUCTURE	
	NOTATIONS CHKO	



USER NAME = mksrby	DESIGNED MJK	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**WATER MAIN RELOCATION
LOCATION NO. 1**

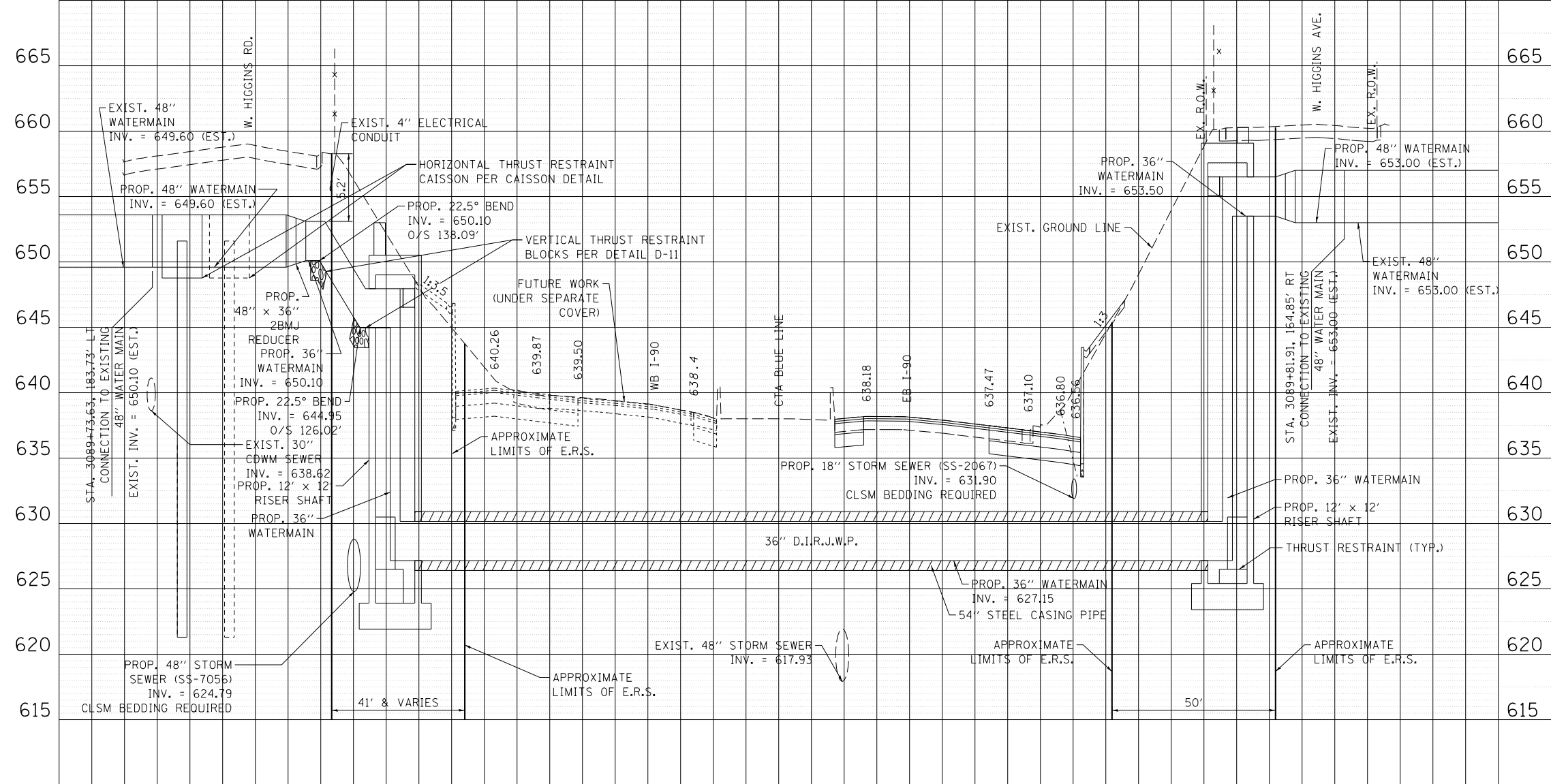
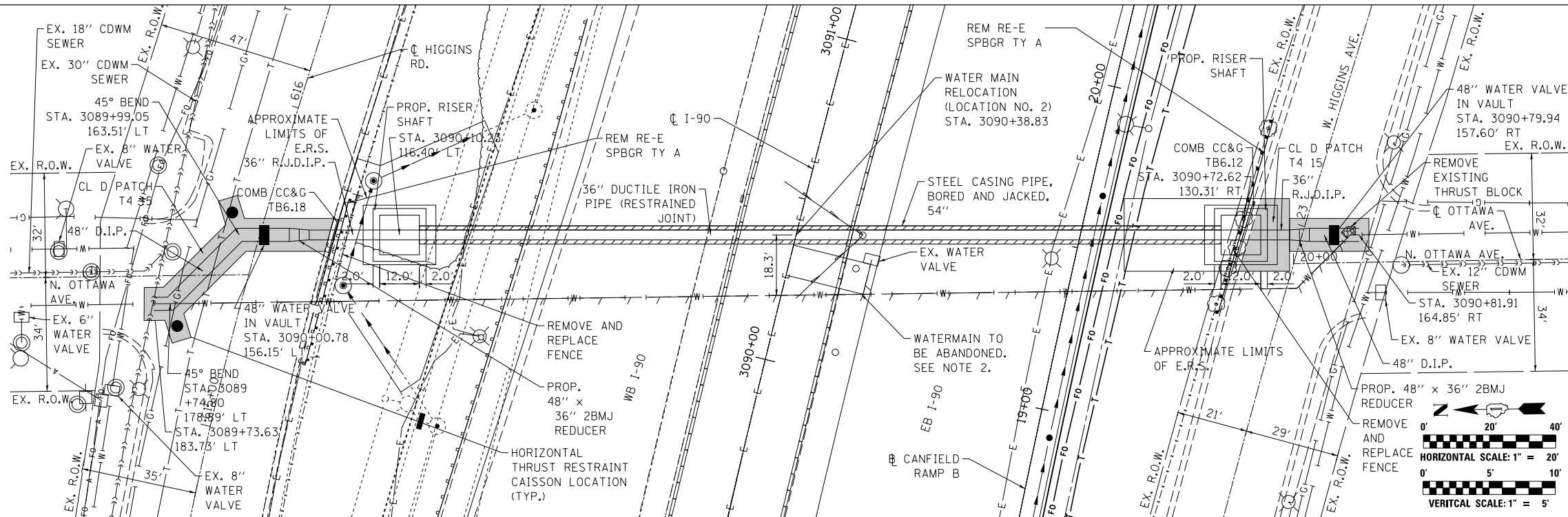
SCALE: 1:20 SHEET NO. 1 OF 16 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	(1517 & 1415) R-3	COOK	557	181
CONTRACT NO. 60Y38				
ILLINOIS FED. AID PROJECT				

CONSTRUCTION SEQUENCING NOTES:

NOTE: ALL OF THE FOLLOWING WATER MAIN CONSTRUCTION MUST BE COORDINATED AND SEQUENCED WITH THE BRACED EXCAVATION SUPPORT SYSTEM FOR THE JACKING AND RECEIVING PITS AND ANY OTHER EXCAVATIONS REQUIRING BRACING, DEMOLITION OF THE EXISTING RISER SHAFT, AND CONSTRUCTION OF THE NEW RISER SHAFT. REFERENCE RISER SHAFT PLANS FOR MORE DETAILED CONSTRUCTION SEQUENCING OF THESE ITEMS.

- CONTACT CDWM FOR SHUTDOWN OF WATER MAIN. (312-744-5070)
- DEWATERING OF EXISTING PIPE SHALL BE COORDINATED WITH BRACED RAMP EXCAVATION AND DEMOLITION OF EXISTING RISER SHAFT. SEE SHEET XXX.
- CUT, CAP, AND ABANDON EXISTING 48" WATER MAIN TO THE NORTH IN HIGGINS ROAD AND TO THE SOUTH IN HIGGINS AVENUE. EXACT LOCATIONS AND DEPTH OF EXISTING WATER MAINS TO BE VERIFIED IN FIELD BY CONTRACTOR.
- INSTALL 54" CASING PIPE AND 36" CARRIER PIPE BETWEEN THE PROPOSED RISER SHAFT LOCATION AND THE SLOPED RISER LOCATION. PIPE JACKING SHALL BE PERFORMED FROM THE SLOPED RISER LOCATION. SUPPORT AS SHOWN ON SHEET XXX.
- CONSTRUCT RISER SHAFTS. AFTER CONSTRUCTION OF THE NEW RISER SHAFTS, SET PIPE, FITTINGS, AND APPURTENANCES AS SHOWN IN THE RISER SHAFT DETAILS. SEE SHEET XXX.
- SET PIPE, FITTINGS, VALVES, VALVE BASIN, REDUCERS, AND APPURTENANCES AS SHOWN FROM THE RISER SHAFTS TO THE POINTS OF CONNECTION TO THE EXISTING 48" WATER MAIN IN HIGGINS ROAD AND EXISTING 48" WATER MAIN IN CANFIELD ROAD. COORDINATE THE LOCATION OF BENDS AS SHOWN ON SHEET XXX.
- INSTALL 36"x48" CONICAL REDUCERS AS SHOWN IN THE DETAILS.
- CONNECT TO EXISTING 48" PIPES AS SHOWN IN THE DETAILS. COMPLETE WATER MAIN CONNECTIONS TO EXISTING MAINS USING SHORT TERM LANE CLOSURES ON WEEKENDS USING APPLICABLE IDOT STANDARDS AS DIRECTED BY THE ENGINEER.
- BEFORE THE WATER MAIN CAN BE FILLED AND FLUSHED, THE BRACED EXCAVATION AREA MUST BE BACKFILLED AND THRUST RESTRAINT SYSTEMS IN PLACE. COORDINATE WITH SHEET XXX.
- CONTACT CDWM TO OPERATE VALVES FOR FILLING AND FLUSHING WATER MAIN.
- DISINFECT, FLUSH, AND PRESSURE TEST PER GENERAL NOTES.
- RESTORE ALL WATER MAIN TRENCHES PER THE DETAILED DRAWING.



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**WATER MAIN RELOCATION
LOCATION NO. 2**

SCALE: 1:20 SHEET NO. 2 OF 16 SHEETS STA. TO STA.

F.A.I. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	(1517 & 1415) R-3	COOK	557	182
CONTRACT NO. 60Y38				
ILLINOIS FED. AID PROJECT				

WATERMAIN RELOCATION GENERAL NOTES:

1. EXISTING WATER MAINS TO BE ABANDONED SHALL BE FILLED WITH CONTROLLED LOW STRENGTH MATERIAL (CLSM).
2. SEPARATION BETWEEN WATER MAINS AND SEWERS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CDWM AND IEPA.
3. CASING PIPE DESIGNED TO EXTEND 10' BEYOND FUTURE I-90 WB WIDENING.
4. GRADE PROP. DITCH TO PROVIDE MIN. 5' COVER.
5. THRUST BLOCKING SHALL BE USED AT ALL BENDS AS PER DETAILS SHOWN IN PLANS.
6. THE 12" AND 48" WATER MAIN MAY NOT BE SHUT DOWN AT THE SAME TIME.
7. THE TIE-IN INVERT OF THE EX. WATERMAIN IS OBTAINED FROM EXISTING PLANS AND IS APPROXIMATE. CONTRACTOR SHALL VERIFY PRIOR TO ORDERING MATERIALS AND MAKING FINAL CONNECTIONS.
8. LOCATION OF UTILITIES AND PROPERTY LINES ARE FROM THE BEST INFORMATION AVAILABLE. EXACT LOCATION AND COMPLETENESS ARE NOT GUARANTEED.
9. IF ANY PUBLIC OR PRIVATE UTILITIES CROSS THE WATER MAIN TRENCH AND MUST REMAIN IN PLACE, THE CONTRACTOR MUST PROTECT SAID UTILITY IN CONFORMANCE WITH THE SPECIFICATIONS OR AS DIRECTED BY THE CHICAGO DEPARTMENT OF WATER MANAGEMENT BUREAU OF ENGINEERING SERVICES.
10. TEST PITS MUST BE EXCAVATED IN ADVANCE OF PIPELINE CONSTRUCTION IN ORDER TO CONFIRM DEPTH AND LOCATION OF EXISTING UTILITIES AND WHEN DIRECTED BY THE ENGINEER, NO ADDITIONAL PAYMENT WILL BE MADE FOR TEST PIT EXCAVATION.
11. WORK INDICATED ON THE PLANS AND NOT REFERENCED TO A BID ITEM IS CONSIDERED INCIDENTAL TO THE WORK TO WHICH IT APPLIES AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
12. WATER MAIN AND FITTINGS LOCATIONS SHOWN ON THE DRAWINGS FOR THE NEW WATER MAINS AND APPURTENANCES MAY BE CHANGED BY THE ENGINEER DUE TO FIELD CONDITIONS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR SUCH CHANGES, UNLESS PREVIOUSLY APPROVED BY THE ENGINEER.
13. THE OPERATION OF ALL VALVES REQUIRED FOR SHUTDOWN MUST BE PERFORMED BY CDWM FORCES PURSUANT TO A 72 HOUR ADVANCE NOTIFICATION TO THE DEPARTMENT. ANY VALVE FOUND NOT OPERABLE WILL BE REPAIRED OR REPLACED BY CDWM.
14. REMOVE AND PROPERLY DISPOSE OF ALL WATER ENTERING ANY EXCAVATION INCLUDING LEAKAGE FROM EXISTING WATER MAINS. ALL EXCAVATIONS ASSOCIATED WITH THE WATER MAIN WORK MUST BE KEPT DRY.
15. ALL VALVE BASINS MUST BE CONSTRUCTED OF PRE-CAST REINFORCED CONCRETE UNLESS DIRECTED OTHERWISE BY THE ENGINEER.
16. IF A STANDARD MECHANICAL JOINT SLEEVE DOES NOT FIT TO MAKE CONNECTION OF THE NEW PIPE TO THE EXISTING PIPE. A TRANSITION SLEEVE MUST BE USED. NO GRINDING OF THE EXISTING PIPE IS PERMITTED.
17. USE FILLER PIECES OF PIPE TO FILL THE AREA BETWEEN PIPE ENDS WHEN INSTALLING SLEEVE FITTINGS.
18. ON CONNECTIONS TO EXISTING CAST IRON PIPES, USE CAUTION WHEN INSTALLING MJ SLEEVES. SET SCREW TYPE RESTRAINT GLANDS (E.G. RETAINER GLANDS) ARE NOT ACCEPTABLE. CONSULT THE SPECIFICATIONS FOR JOINT RESTRAINT REQUIREMENTS.
19. SWAB ALL PIPE AND FITTINGS WITH CHLORINE SOLUTION DURING INSTALLATION AND USE EXTRA PRECAUTION TO PREVENT SOIL AND DEBRIS FROM ENTERING THE PIPE. WHEN CONNECTING NEW PIPE TO THE EXISTING WATER SYSTEM. USE OPERATING PRESSURE IN LIEU OF PRESSURE TEST TO VISUALLY INSPECT FOR LEAKS. WHEN FEASIBLE, PERFORM INSPECTION PRIOR TO BACKFILLING. COMPLY WITH ALL STANDARDS AND REQUIREMENTS OF THE CDWM BUREAU OF WATER QUALITY. (312) 744-8190
20. DE-CHLORINATION OF HEAVILY CHLORINATED WATER IS REQUIRED. THE CONTRACTOR OR SUBCONTRACTED CHLORINATOR SHALL DE-CHLORINATE AS LISTED FOR "INFORMATIONAL PURPOSES ONLY" IN APPENDIX C OF THE ANSI/AWWA STANDARD C-GSI-05, JUNE 1, 2005. THE CHLORINE LEVEL MUST BE BROUGHT TO POTABLE WATER LEVELS.
21. CONTRACTOR SHALL CONSTRUCT THE IMPROVEMENTS ONLY WITHIN THE RIGHT-OF-WAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL DAMAGE TO PRIVATE PROPERTY AND SHALL REPAIR SAID DAMAGE AT OWN EXPENSE TO THE SATISFACTION OF THE ENGINEER.
22. ALL CASING PIPES MUST BE SMOOTH WELDED STEEL PIPE MEETING THE REQUIREMENTS OF ASTM A139. GRADE B. THE EXTERIOR OF THE CASING PIPE MUST HAVE COAL-TAR ENAMEL IN ACCORDANCE WITH AWWA C203.
23. PRIOR TO INSERTION IN THE CASING, EACH LENGTH OF PIPE MUST BE SUPPORTED ON CASING SPACERS IN SUCH A MANNER THAT AT NO TIME WILL THE WEIGHT OF THE PIPE BEAR ON THE BELL OR ANY PART OF THE PIPE TOUCH THE CASING.
24. ALL PIPES MUST BE JOINTED PRIOR TO BEING PUSHED OR PULLED THROUGH THE CASING PIPE. AFTER PLACEMENT OF THE CARRIER PIPE THROUGH THE CASING, THE ENDS OF THE CASING ARE TO BE SEALED WITH BRICK AND MORTAR OR RUBBER END SEAL OR OTHER APPROVED METHOD AND MUST BE COMPLETELY LEAK-TIGHT.
25. ALL STATIONS AND OFFSETS REFER TO C I-90 UNLESS OTHERWISE NOTED.

WATERMAIN RISER SHAFT STRUCTURAL NOTES:

1. POSITIVE STEPS MUST BE TAKEN TO PREVENT ANY DEBRIS ENTERING THE RISER SHAFTS DURING CONSTRUCTION. ANY DEBRIS ENTERING THE RISER SHAFTS MUST BE REMOVED IMMEDIATELY. ANY STEPS THAT ARE DAMAGED MUST BE REPLACED.
2. MATERIAL DEVIATIONS IN DIMENSIONS AND ELEVATIONS WILL BE REPORTED TO THE COMMISSIONER AND REQUIRED ADJUSTMENTS WILL BE MADE.
3. EXTERIOR STEEL RIBS, IF ANY ON EXTERIOR OF WATER MAIN MAY REMAIN EXCEPT AT OPENING.
4. EXISTING WOOD LAGGING, IF ANY, ON EXTERIOR OF WATER MAIN MUST BE REMOVED.
5. CAST-IN-PLACE CONCRETE MUST BE CLASS SI CONCRETE WITH A MINIMUM 14 DAY COMPRESSIVE STRENGTH OF 3,500 PSI IN ACCORDANCE WITH SECTION 503 OF THE STANDARD SPECIFICATIONS.
6. REINFORCEMENT BARS MUST BE GRADE 60 CONFORMING TO THE REQUIREMENTS OF SECTION 508 OF THE STANDARD SPECIFICATIONS.
7. REINFORCEMENT BARS DESIGNATED "(E)" WILL BE EPOXY-COATED.
8. STRUCTURAL STEEL W SHAPES AND PLATES MUST CONFORM TO THE REQUIREMENTS OF AASHTO M 270 (ASTM A709) GRADE 36 AND SECTION 505 OF THE STANDARD SPECIFICATIONS.
9. ALL BOLTS MUST BE HIGH STRENGTH STEEL CONFORMING TO THE REQUIREMENTS OF AASHTO M164 (ASTM A325). HOLES MUST BE 1/16" LARGER THAN FASTENER DIAMETER.
10. ALL BOLTS INCLUDING NUTS AND WASHERS MUST BE GALVANIZED ACCORDING TO AASHTO M232.
11. ALL WATER MAIN PIPE, SLEEVES AND BASE BENDS WILL BE DUCTILE IRON WITH MECHANICALLY RESTRAINED JOINTS.
12. THE EXTERIOR SURFACES OF THE RISER SHAFT WALLS MUST BE WATERPROOFED ACCORDING TO ARTICLE 503.18 OF THE STANDARD SPECIFICATIONS.
13. ANY CHANGES IN DESIGN FROM THAT PRESENTED ON THE DRAWINGS SHALL BE AT THE CONTRACTOR'S RESPONSIBILITY AND EXPENSE, AND MUST BE SUBMITTED TO THE COMMISSIONER FOR REVIEW.
14. CLEAR COVERAGE FOR REINFORCING BARS SHALL BE AS FOLLOWS: 3" WHERE CONCRETE IS DEPOSITED DIRECTLY AGAINST GROUND. 2" WHERE CONCRETE IS EXPOSED TO GROUND BUT DEPOSITED AGAINST FORMS OR SLABS ON GRADE AND 1-1/2" TO INSIDE WALL BARS.
15. DO NOT SCALE DRAWINGS.
16. THE LOCATION OF MANHOLE IN THE TOP SLAB AND THE ORIENTATION OF THE WATER MAIN INLET AND OUTLET. WILL BE PER THE CIVIL DRAWINGS. THE GENERAL DETAILS SHOWN ON THE DRAWINGS SHALL BE MODIFIED TO SUIT.
17. AFTER FABRICATION, ALL STRUCTURAL STEEL SHALL BE CLEANED OF ALL RUST, LOOSE MILL SCALE AND PRIMED.
18. B.C. DENOTES BOLD CIRCLE
E.W. DENOTES EACH WAY
E.F. DENOTES EACH FACE
C.T.S. DENOTES CENTER-TO-CENTER
I.F. DENOTES INSIDE FACE
O.F. DENOTES OUTSIDE FACE
2BMJ DENOTES TWO BELL MECHANICAL JOINT
R.J.D.I.P. DENOTES RESTRAINED JOINT DUCTILE IRON PIPE
19. THE RISER SHAFT SHALL BE BACKFILLED WITH CA-G MATERIAL IN ACCORDANCE WITH SECTION 207 OF THE STANDARD SPECIFICATIONS UNIFORMLY AROUND THE SHAFT SO AS NOT TO INDUCE UNBALANCED LATERAL LOAD INTO THE SHAFT AS A WHOLE.
20. THE CONTRACTOR CAN ADD CONSTRUCTION JOINTS TO FACILITATE CONSTRUCTION AND SHALL UTILIZE IDOT CLASS C SPLICE LENGTHS FOR SPLICES.
21. CAST-IN DOWEL BAR SUBSTITUTES CAN BE USED IN LIEU OF DRILLED AND GROUTED REINFORCING WHERE INDICATED.



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**WATER MAIN RELOCATION
GENERAL NOTES**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	(1517 & 1415) R-3	COOK	557	183
			CONTRACT NO. 60Y38	
SCALE:	N.T.S.	SHEET NO. 3 OF 16 SHEETS	STA.	TO STA.
ILLINOIS FED. AID PROJECT				

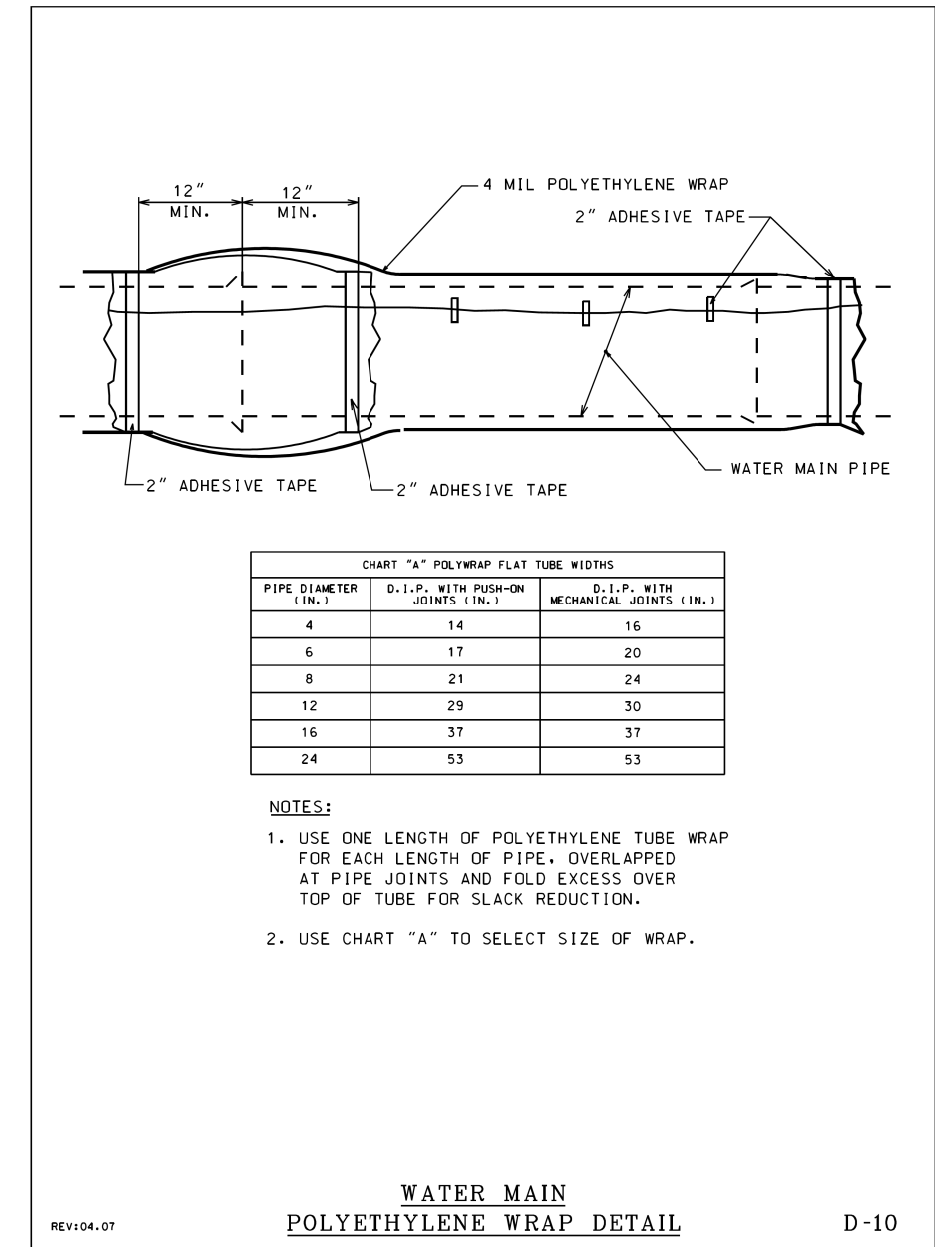
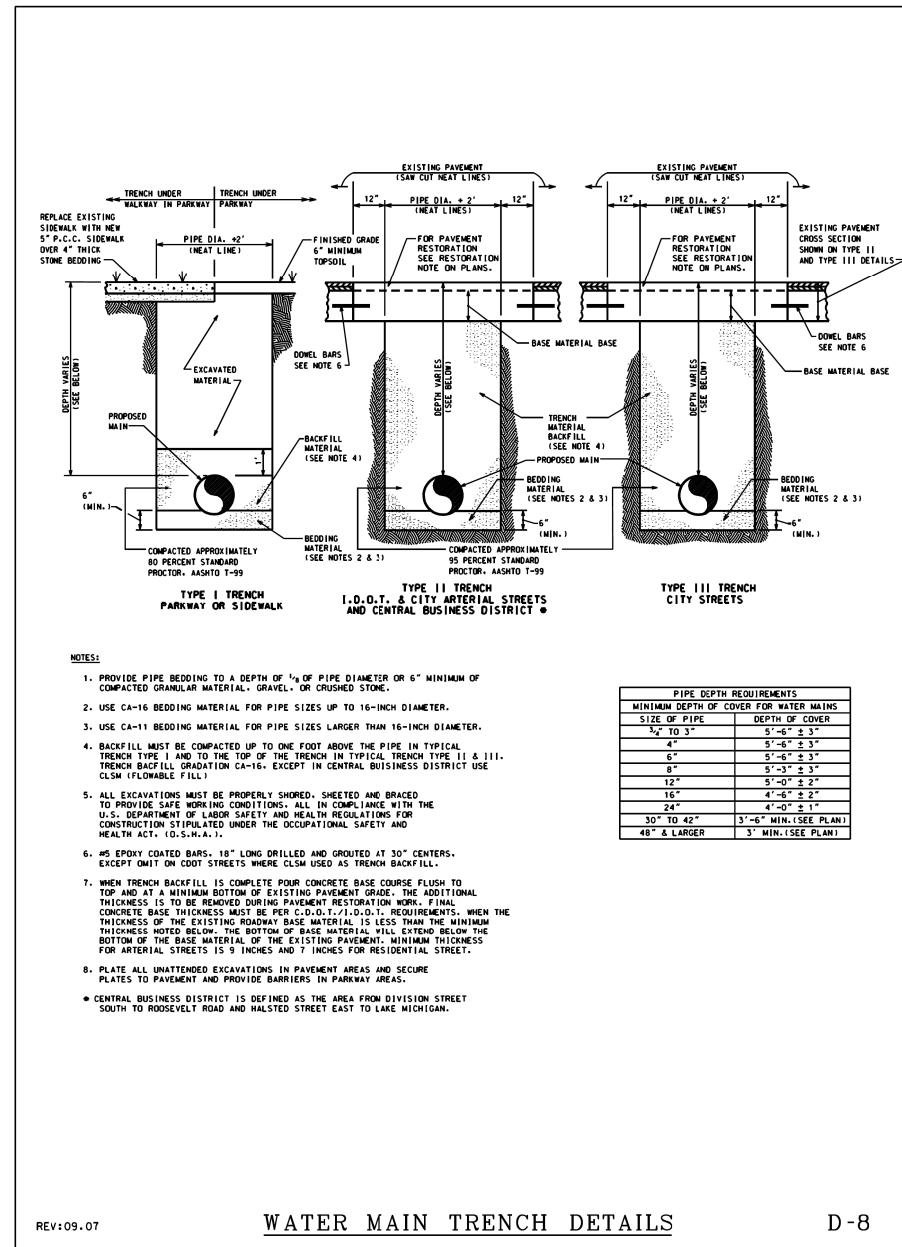
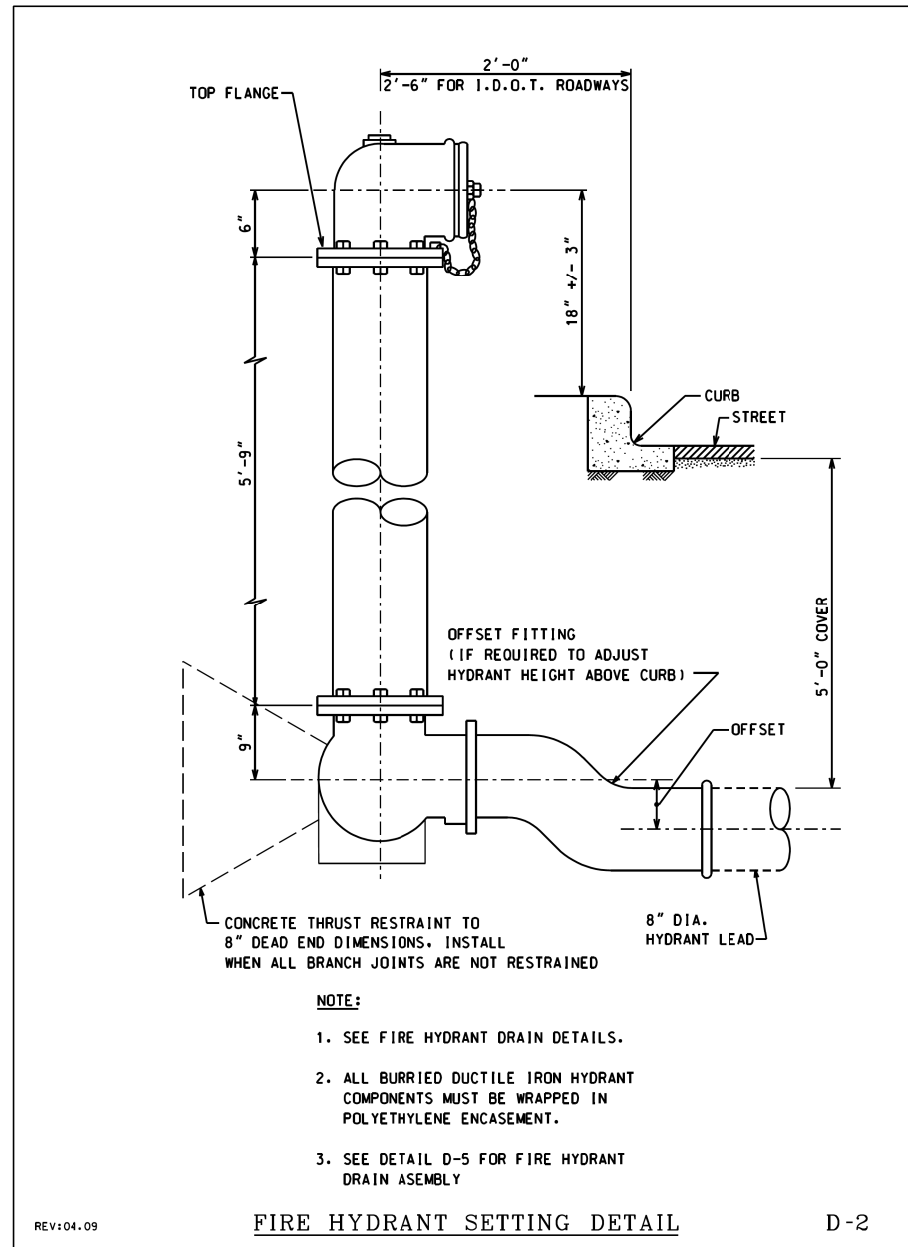


CHART "A" POLYWRAP FLAT TUBE WIDTHS

PIPE DIAMETER (IN.)	D.I.P. WITH PUSH-ON JOINTS (IN.)	D.I.P. WITH MECHANICAL JOINTS (IN.)
4	14	16
6	17	20
8	21	24
12	29	30
16	37	37
24	53	53

- NOTES:**
- USE ONE LENGTH OF POLYETHYLENE TUBE WRAP FOR EACH LENGTH OF PIPE, OVERLAPPED AT PIPE JOINTS AND FOLD EXCESS OVER TOP OF TUBE FOR SLACK REDUCTION.
 - USE CHART "A" TO SELECT SIZE OF WRAP.



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PLOT DATE = 6/6/2016	DATE 5/6/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WATER MAIN RELOCATION
GENERAL DETAILS

SCALE: N.T.S. SHEET NO. 4 OF 16 SHEETS STA. TO STA.

F.A.I. RTE. 90	SECTION (1517 & 1415) R-3	COUNTY COOK	TOTAL SHEETS 557	SHEET NO. 184
				CONTRACT NO. 60Y38
ILLINOIS FED. AID PROJECT				

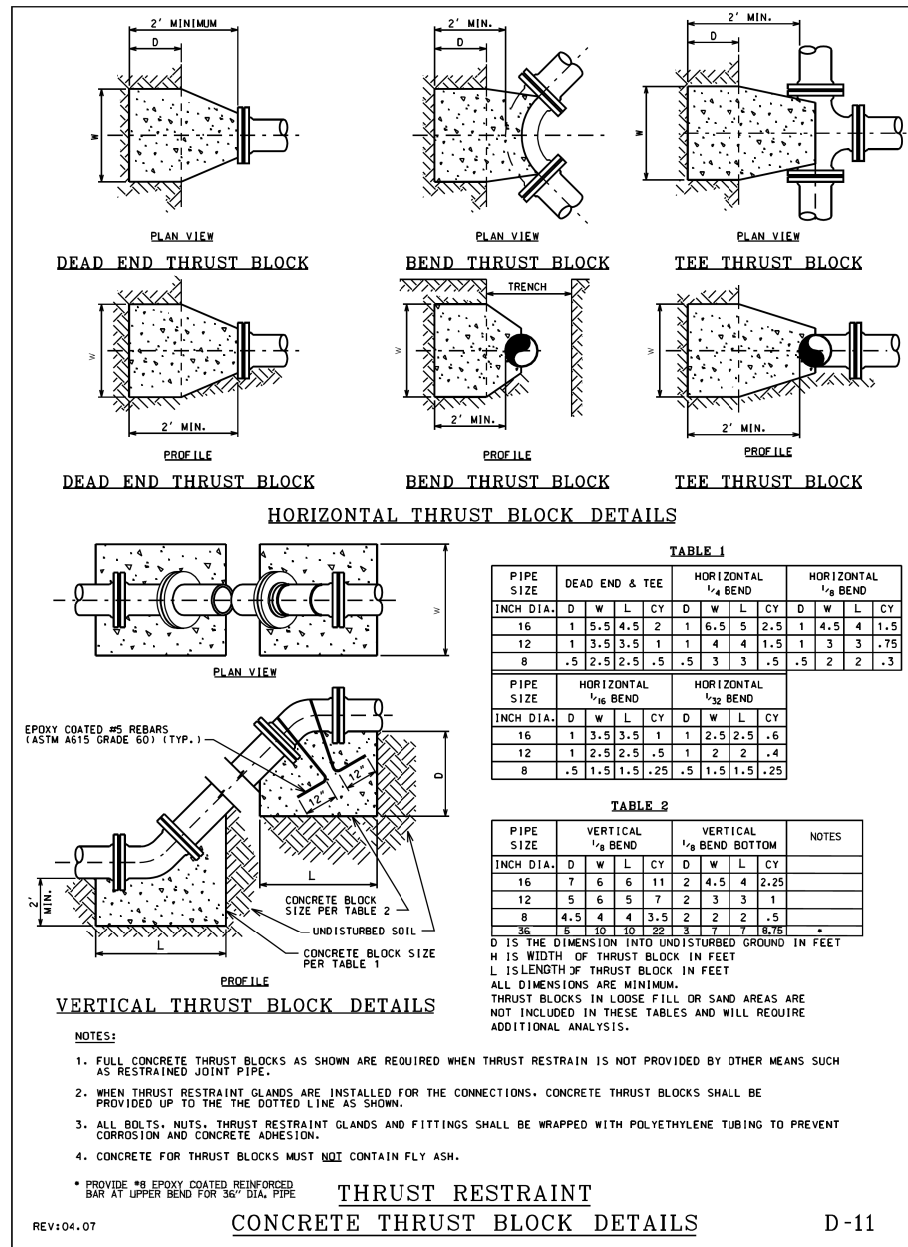


TABLE 1

PIPE SIZE	DEAD END & TEE				HORIZONTAL 1/4 BEND				HORIZONTAL 1/2 BEND			
	D	W	L	CY	D	W	L	CY	D	W	L	CY
16	1	5.5	4.5	2	1	6.5	5	2.5	1	4.5	4	1.5
12	1	3.5	3.5	1	1	4	4	1.5	1	3	3	.75
8	.5	2.5	2.5	.5	.5	3	3	.5	.5	2	2	.3

TABLE 2

PIPE SIZE	HORIZONTAL 1/16 BEND				HORIZONTAL 1/32 BEND			
	D	W	L	CY	D	W	L	CY
16	1	3.5	3.5	1	1	2.5	2.5	.6
12	1	2.5	2.5	.5	1	2	2	.4
8	.5	1.5	1.5	.25	.5	1.5	1.5	.25

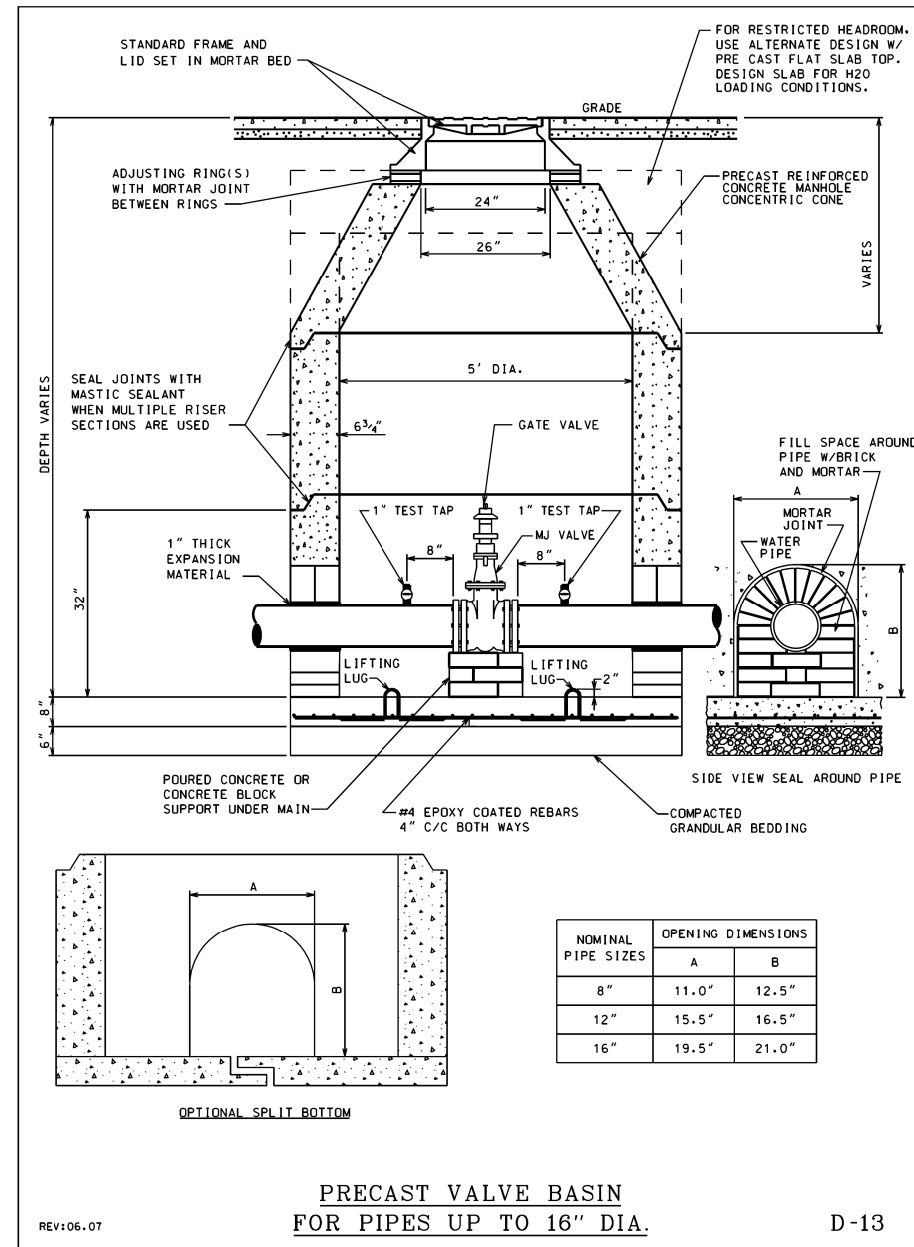
TABLE 3

PIPE SIZE	VERTICAL 1/8 BEND				VERTICAL 1/8 BEND BOTTOM				NOTES
	D	W	L	CY	D	W	L	CY	
16	7	6	6	11	2	4.5	4	2.25	
12	5	6	5	7	2	3	3	1	
8	4.5	4	4	3.5	2	2	2	.5	

D IS THE DIMENSION INTO UNDISTURBED GROUND IN FEET
H IS WIDTH OF THRUST BLOCK IN FEET
L IS LENGTH OF THRUST BLOCK IN FEET
ALL DIMENSIONS ARE MINIMUM.
THRUST BLOCKS IN LOOSE FILL OR SAND AREAS ARE NOT INCLUDED IN THESE TABLES AND WILL REQUIRE ADDITIONAL ANALYSIS.

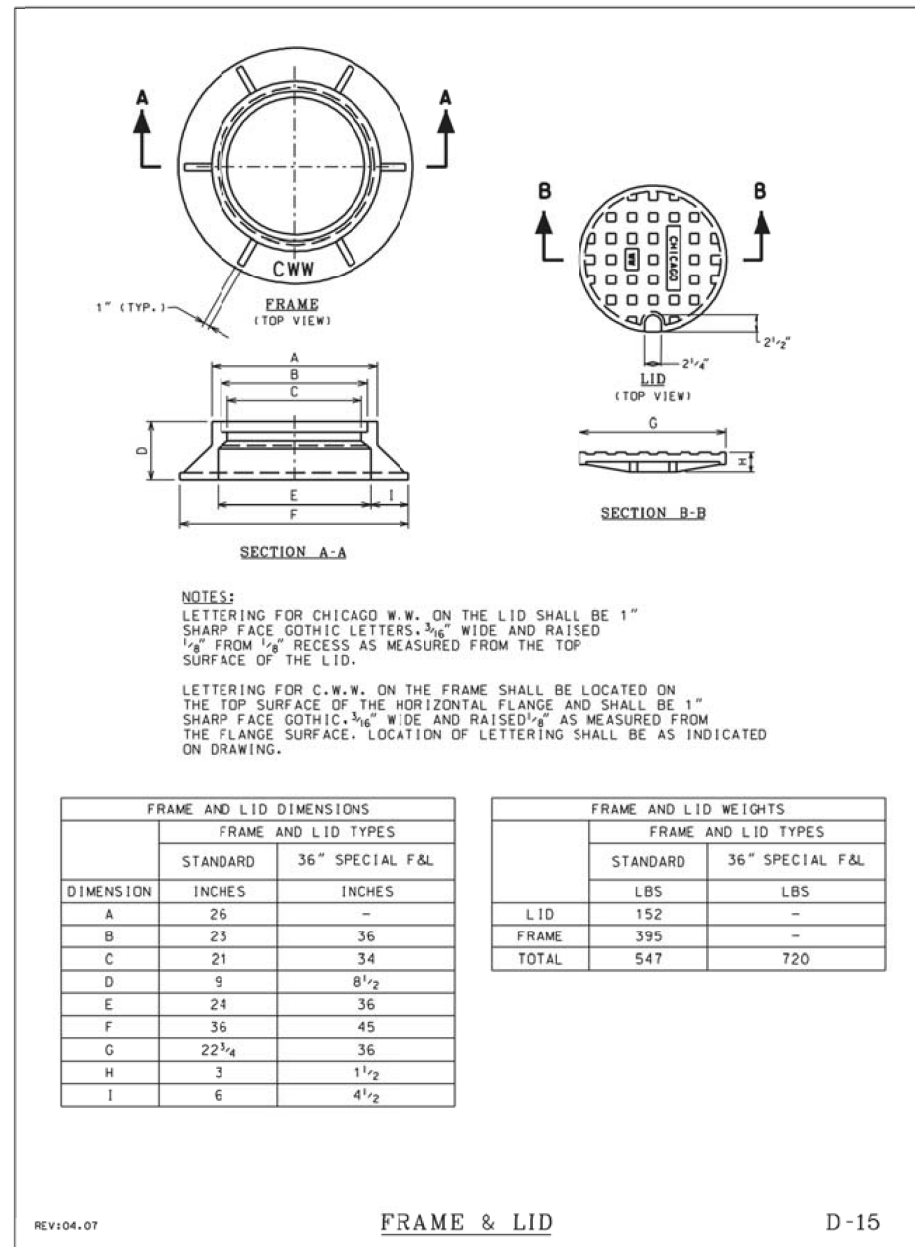
- NOTES:**
- FULL CONCRETE THRUST BLOCKS AS SHOWN ARE REQUIRED WHEN THRUST RESTRAINT IS NOT PROVIDED BY OTHER MEANS SUCH AS RESTRAINED JOINT PIPE.
 - WHEN THRUST RESTRAINT GLANDS ARE INSTALLED FOR THE CONNECTIONS, CONCRETE THRUST BLOCKS SHALL BE PROVIDED UP TO THE DOTTED LINE AS SHOWN.
 - ALL BOLTS, NUTS, THRUST RESTRAINT GLANDS AND FITTINGS SHALL BE WRAPPED WITH POLYETHYLENE TUBING TO PREVENT CORROSION AND CONCRETE ADHESION.
 - CONCRETE FOR THRUST BLOCKS MUST NOT CONTAIN FLY ASH.

* PROVIDE #8 EPOXY COATED REINFORCED BAR AT UPPER BEND FOR 36" DIA. PIPE



NOMINAL PIPE SIZES

NOMINAL PIPE SIZES	OPENING DIMENSIONS	
	A	B
8"	11.0"	12.5"
12"	15.5"	16.5"
16"	19.5"	21.0"



FRAME AND LID DIMENSIONS

DIMENSION	FRAME AND LID TYPES	
	STANDARD	36" SPECIAL F&L
A	26	-
B	23	36
C	21	34
D	9	8 1/2
E	24	36
F	36	45
G	22 3/4	36
H	3	1 1/2
I	6	4 1/2

FRAME AND LID WEIGHTS

DIMENSION	FRAME AND LID TYPES	
	STANDARD	36" SPECIAL F&L
LID	152	-
FRAME	395	-
TOTAL	547	720



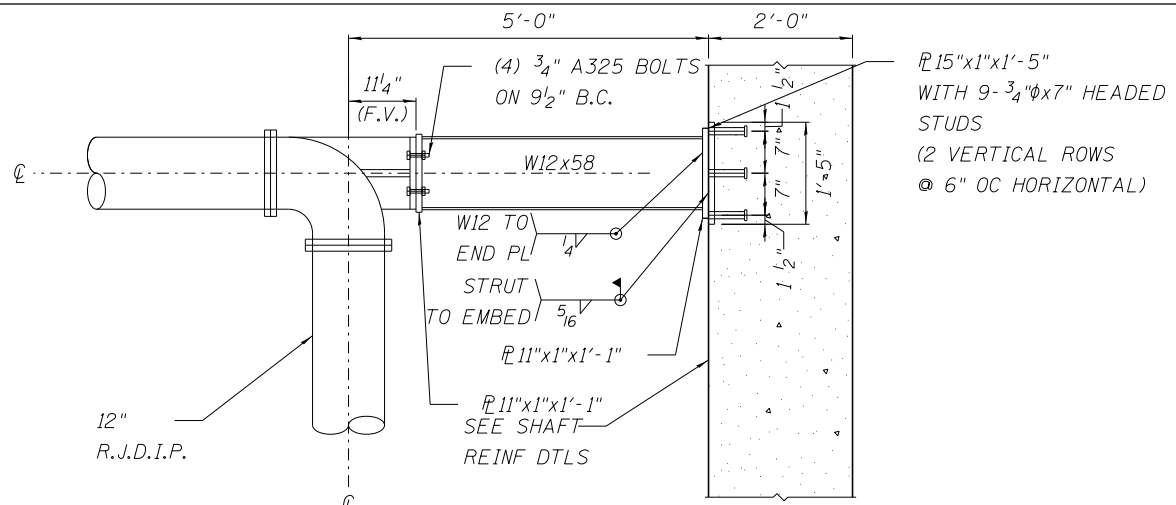
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	DATE 5/6/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

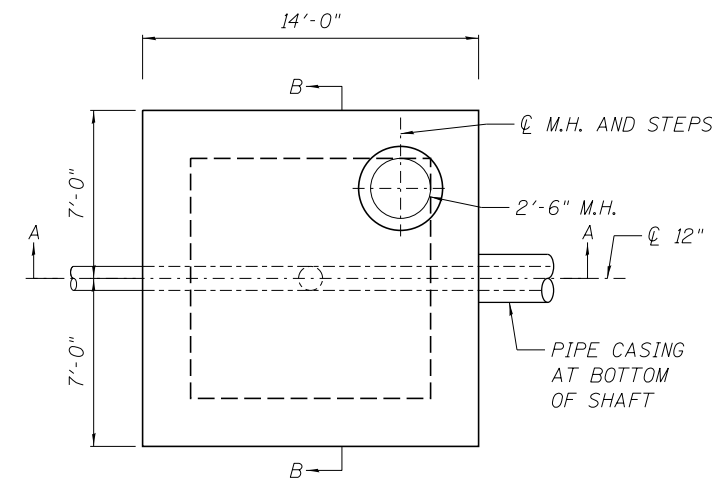
WATER MAIN RELOCATION
GENERAL DETAILS

SCALE: N.T.S. SHEET NO. 5 OF 16 SHEETS STA. TO STA.

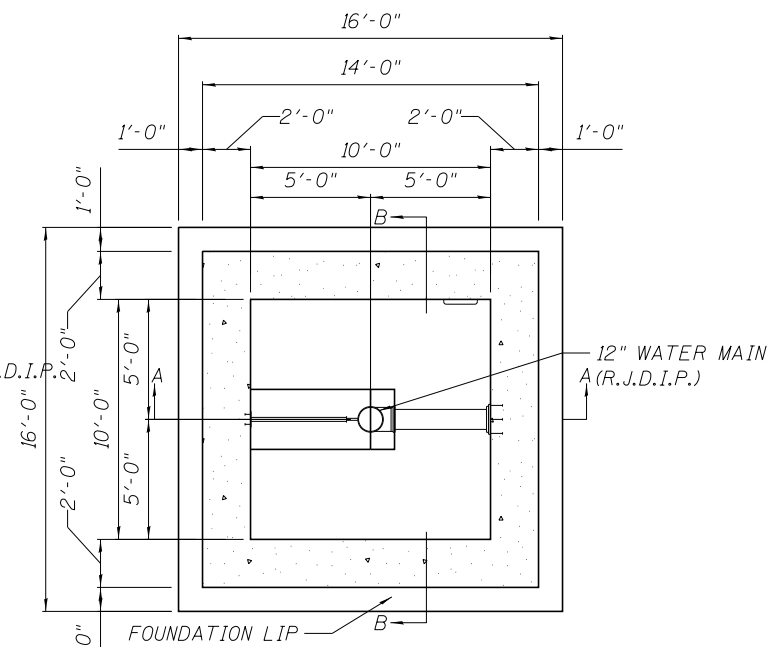
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	(1517 & 1415) R-3	COOK	557	185
CONTRACT NO. 60Y38				
ILLINOIS FED. AID PROJECT				



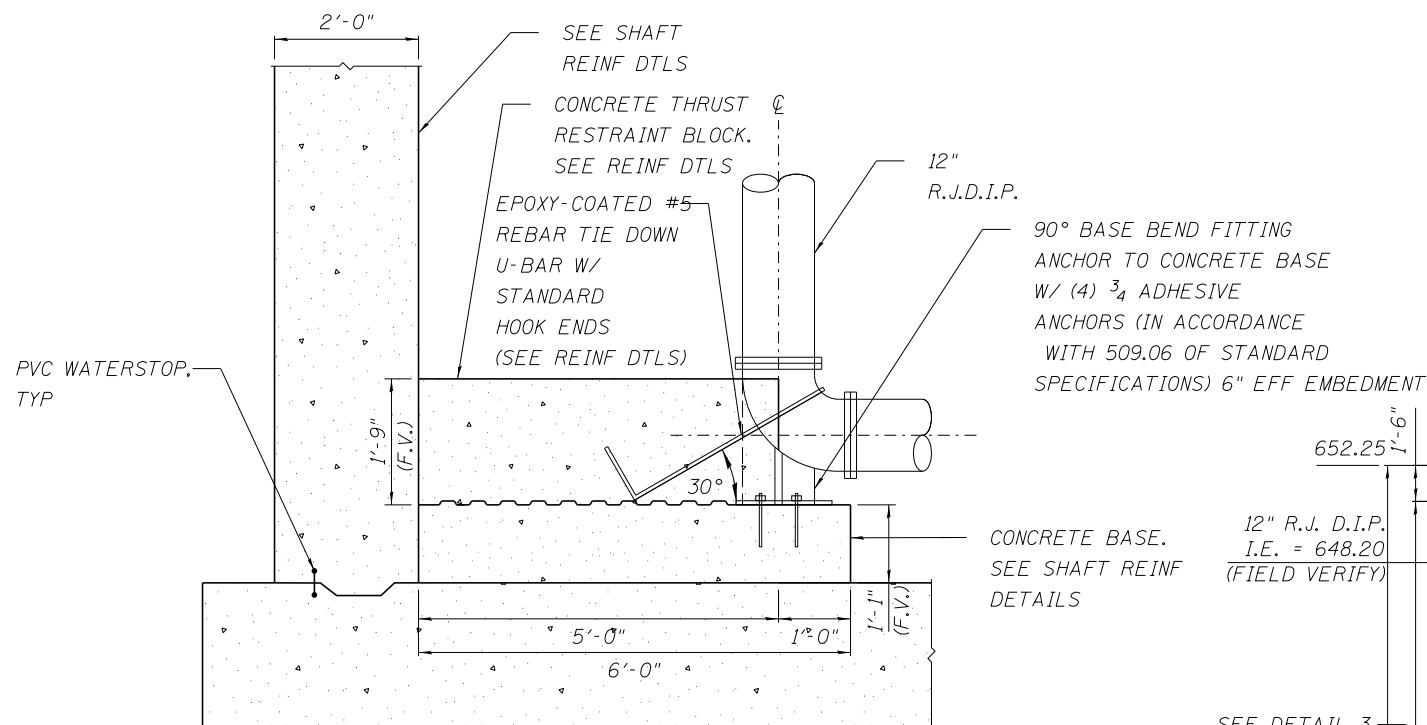
DETAIL 1
SCALE: 3/4" = 1'-0"



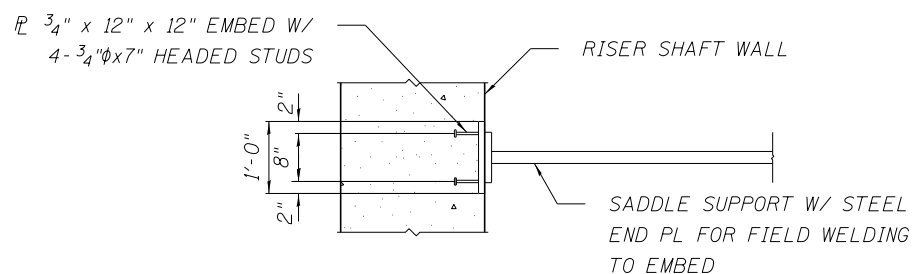
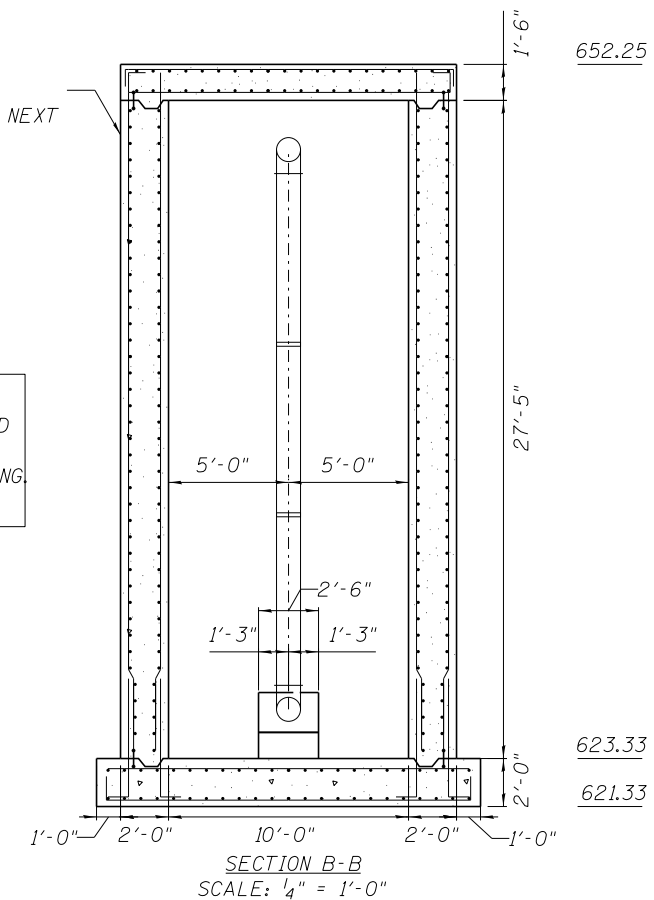
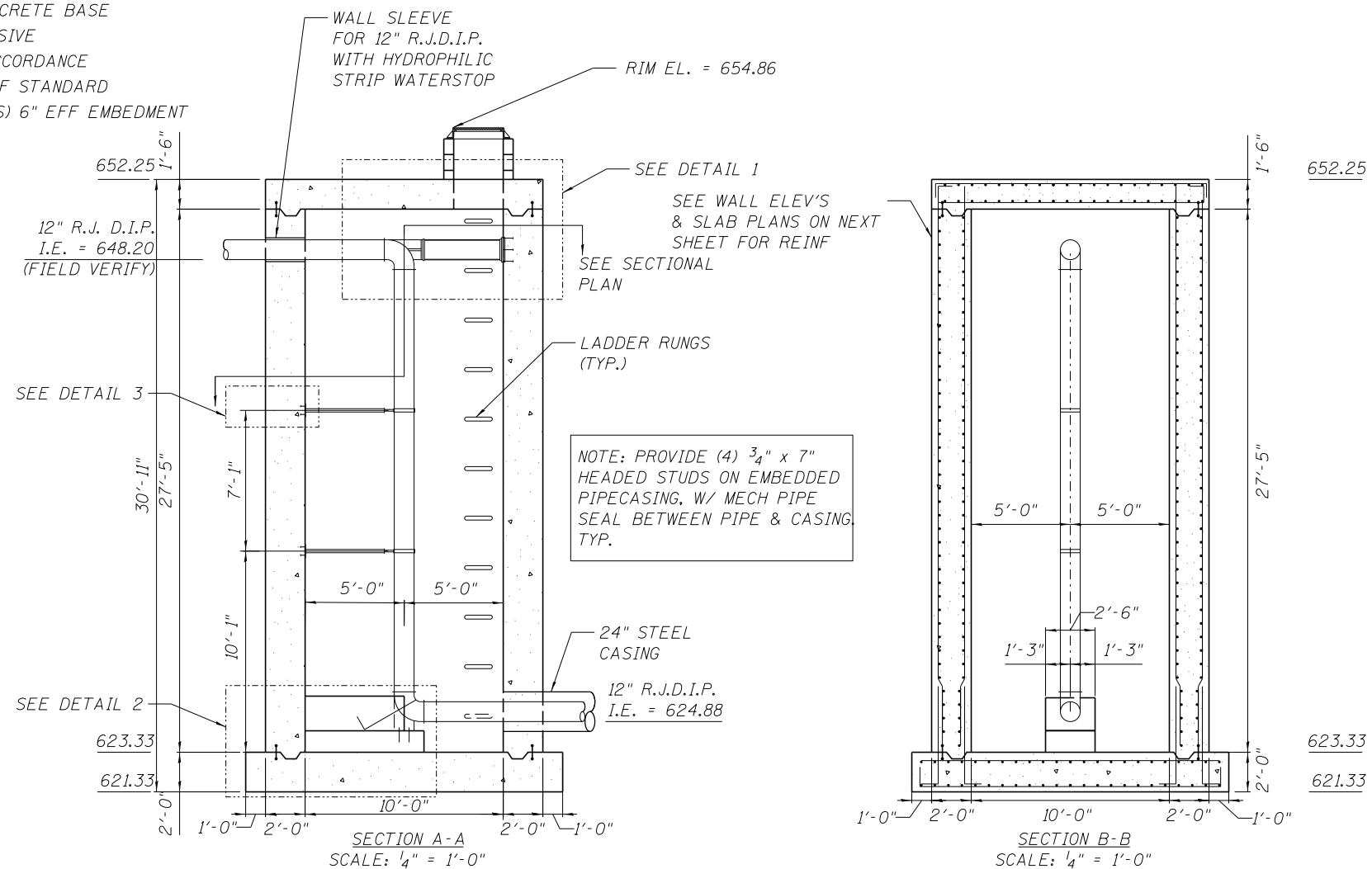
TOP PLAN VIEW
SCALE: 1/4" = 1'-0"



SECTIONAL PLAN
(PLAN VIEW OF LATERAL RESTRAINTS)
SCALE: 1/4" = 1'-0"



DETAIL 2
SCALE: 3/4" = 1'-0"



DETAIL 3
SCALE: 3/4" = 1'-0"



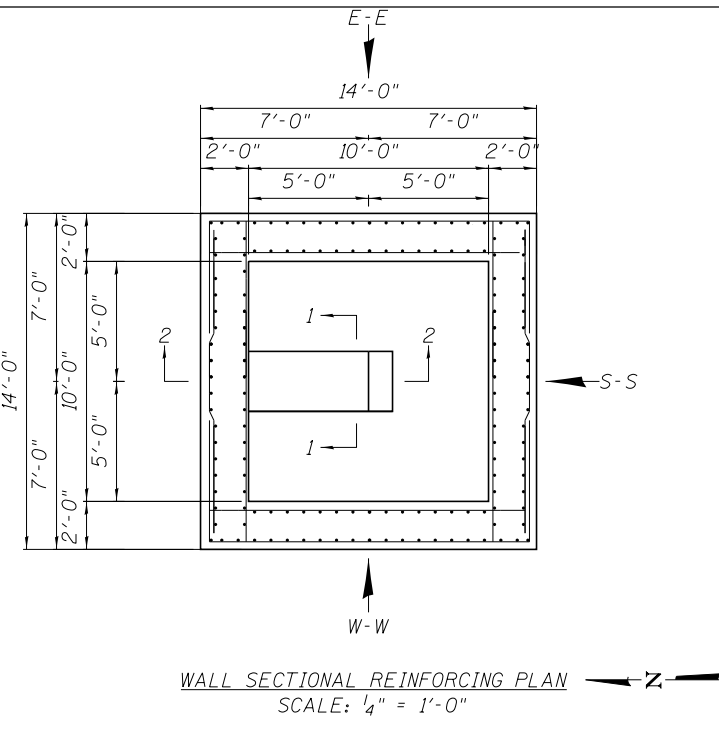
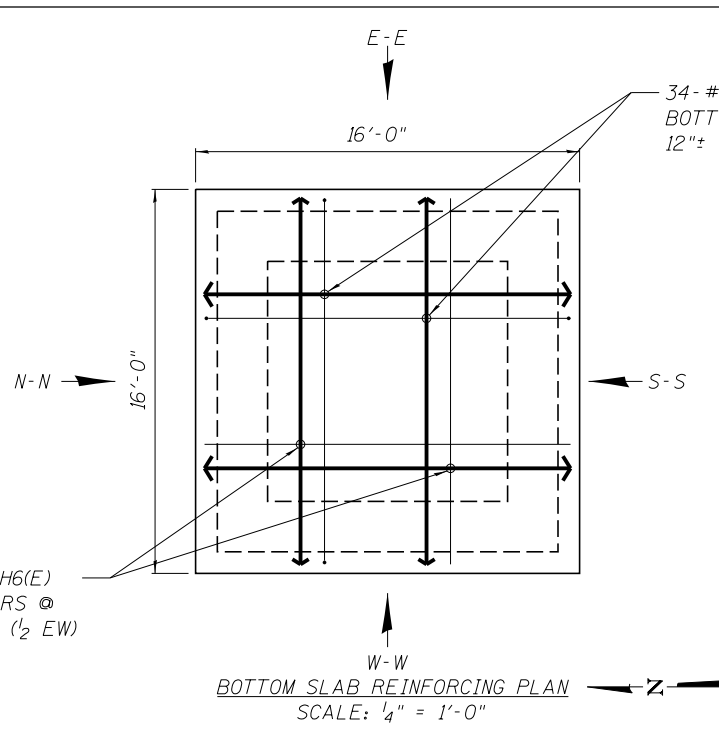
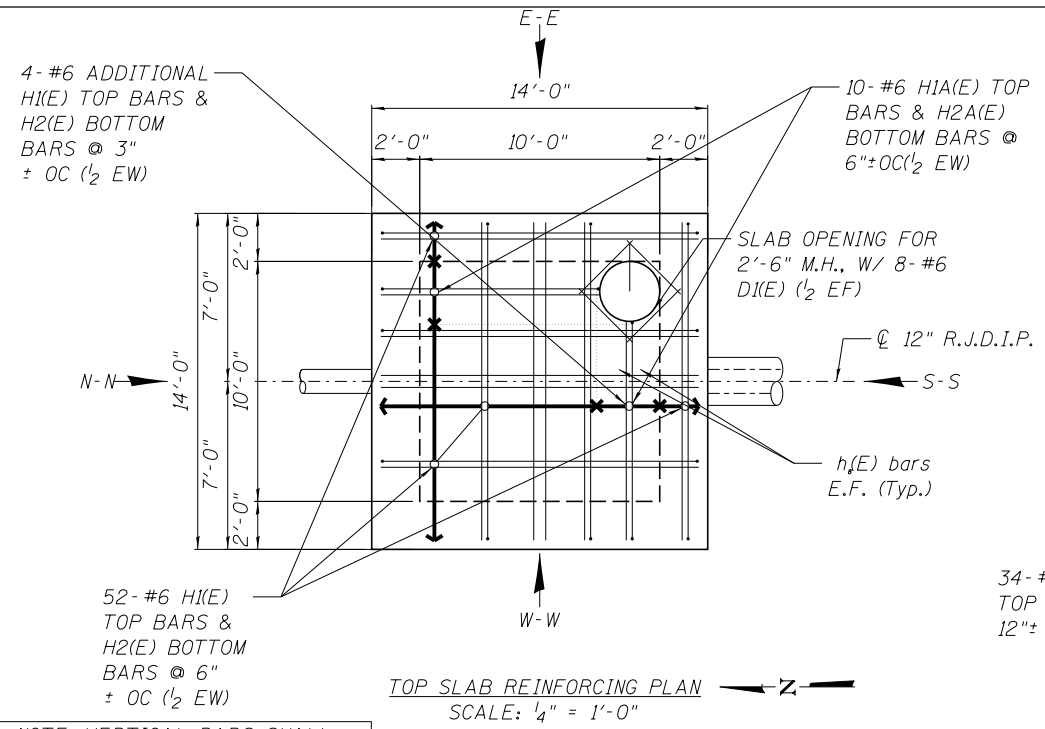
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PLOT SCALE = 1/80' / in.	CHECKED MAM	REVISED -
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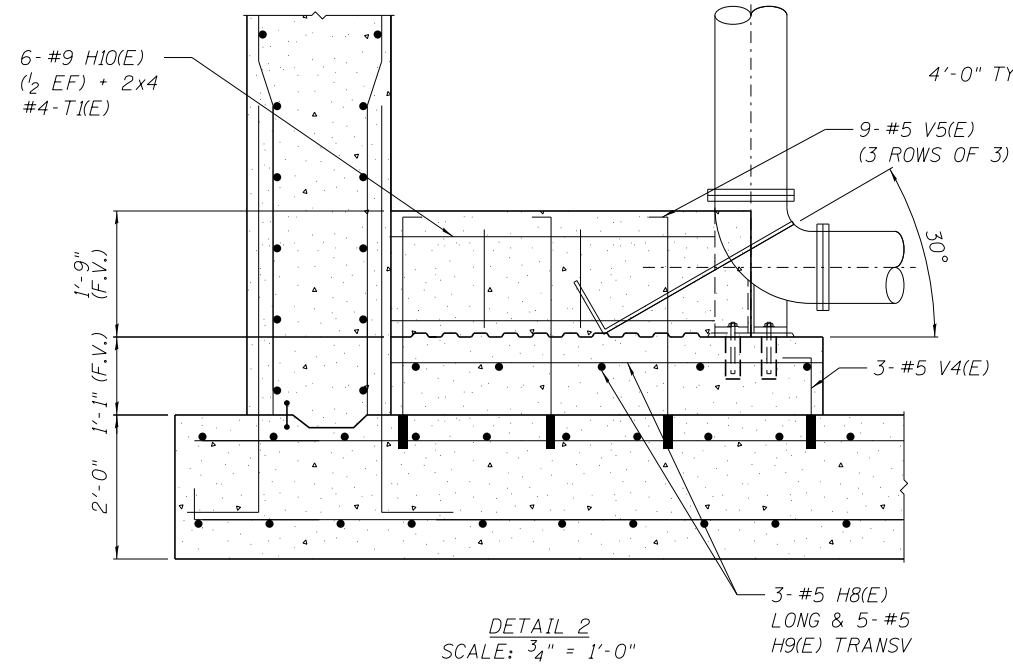
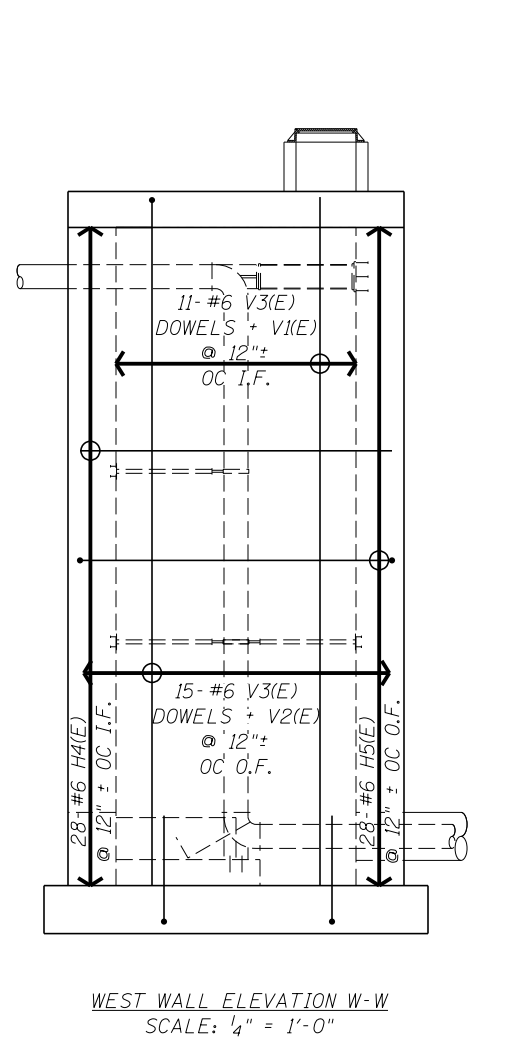
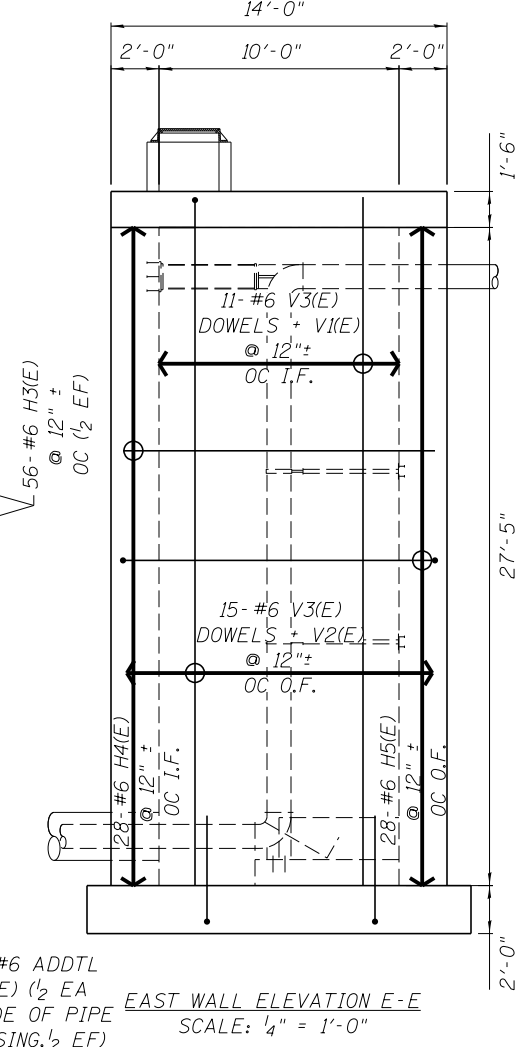
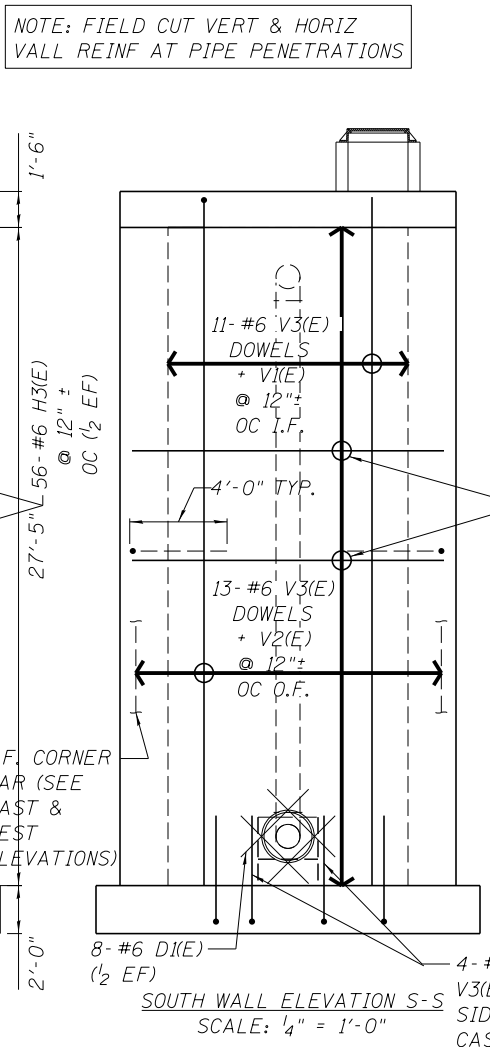
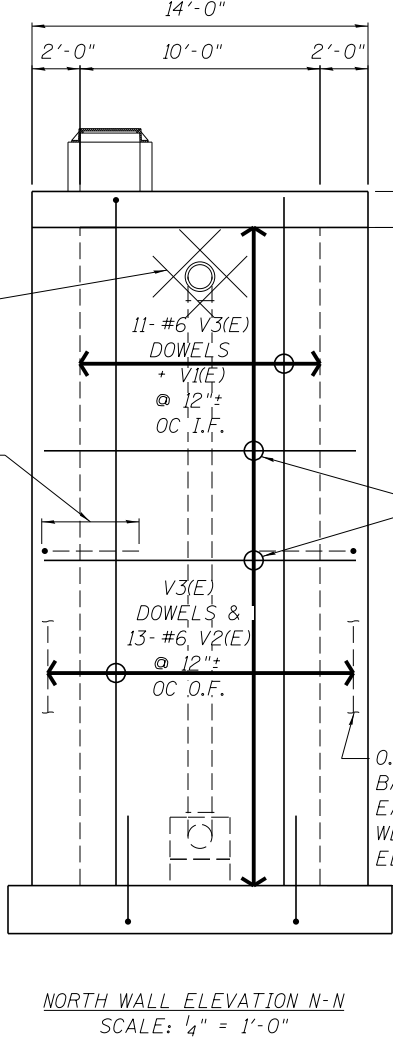
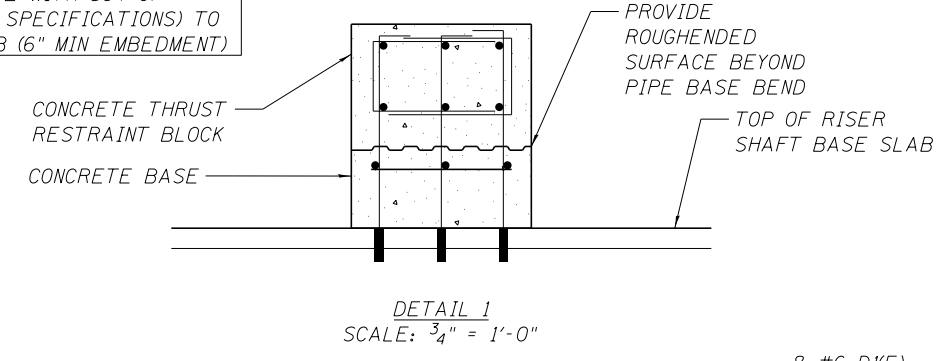
WATER MAIN RELOCATION
LOCATION NO. 1
NORTH RISER SHAFT DETAILS

SCALE: 1:20 SHEET NO. 6 OF 16 SHEETS STA. TO STA.

F.A.I. R.E. 90	SECTION (1517 & 1415) R-3	COUNTY COOK	TOTAL SHEETS 557	SHEET NO. 186
CONTRACT NO. 60Y38			ILLINOIS FED. AID PROJECT	



NOTE: VERTICAL BARS SHALL BE DRILLED AND GROUTED (IN ACCORDANCE WITH 584 OF STANDARD SPECIFICATIONS) TO BASE SLAB (6" MIN EMBEDMENT)



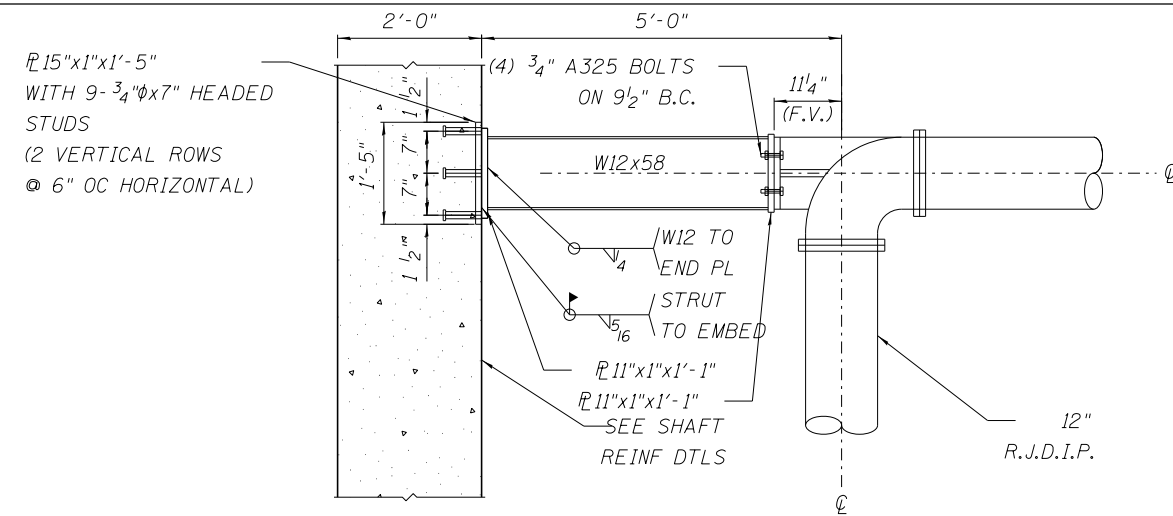
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	DRAWN MJK	REVISED -
PLOT SCALE = 1/80' / in.	CHECKED MAM	REVISED -
PLOT DATE = 6/6/2016	DATE 5/6/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

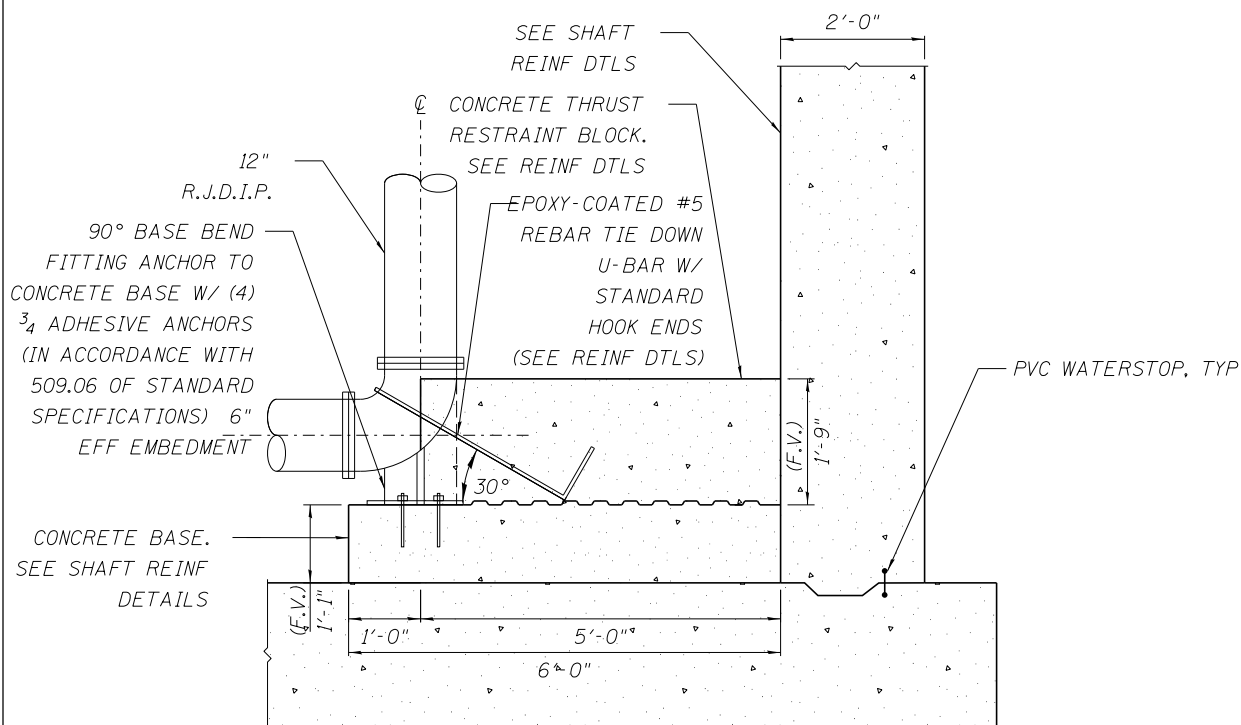
WATER MAIN RELOCATION
LOCATION NO. 1
NORTH RISER SHAFT REINFORCING

SCALE: 1:20 SHEET NO. 7 OF 16 SHEETS STA. TO STA.

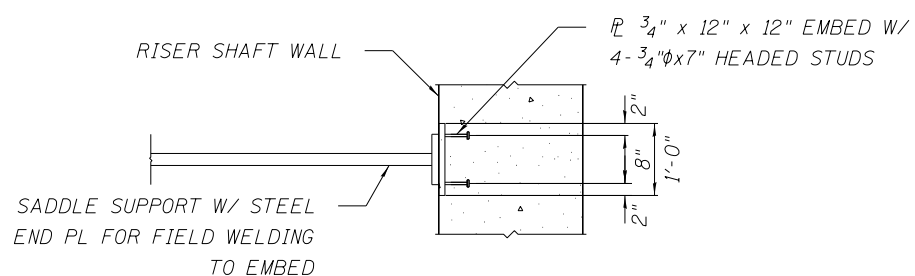
F.A.I. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	(1517 & 1415) R-3	COOK	557	187
CONTRACT NO. 60Y38				
ILLINOIS FED. AID PROJECT				



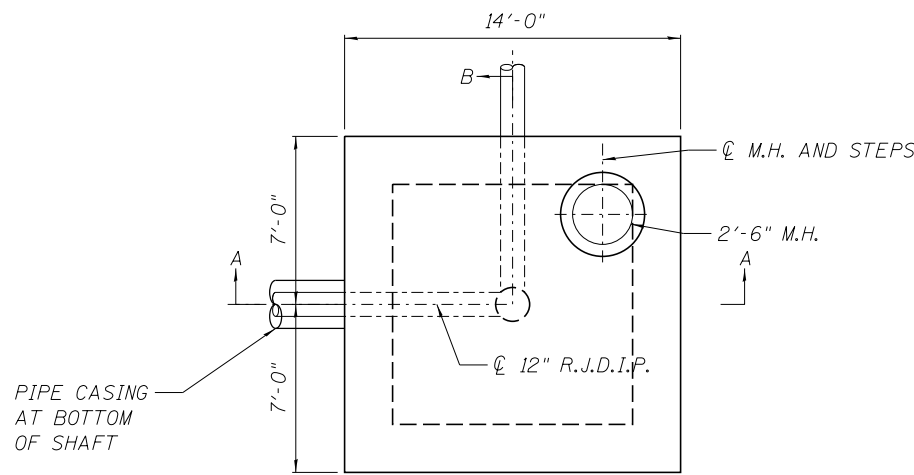
DETAIL 1
SCALE: 3/4" = 1'-0"



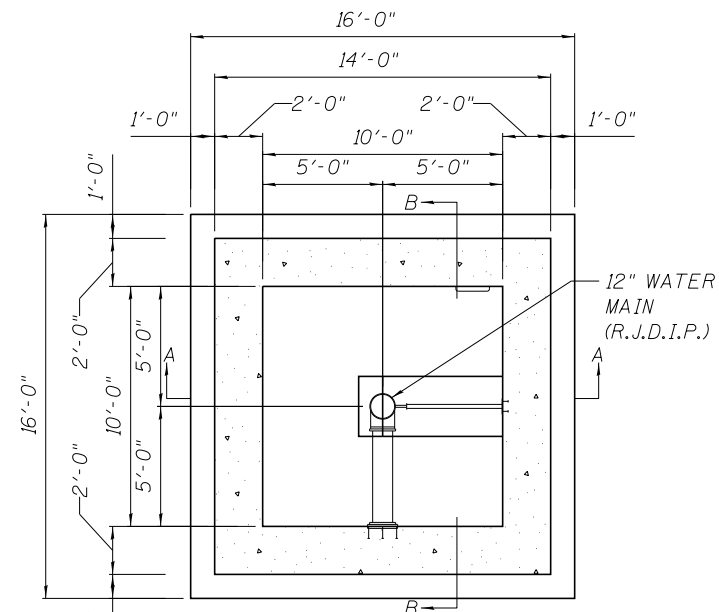
DETAIL 2
SCALE: 3/4" = 1'-0"



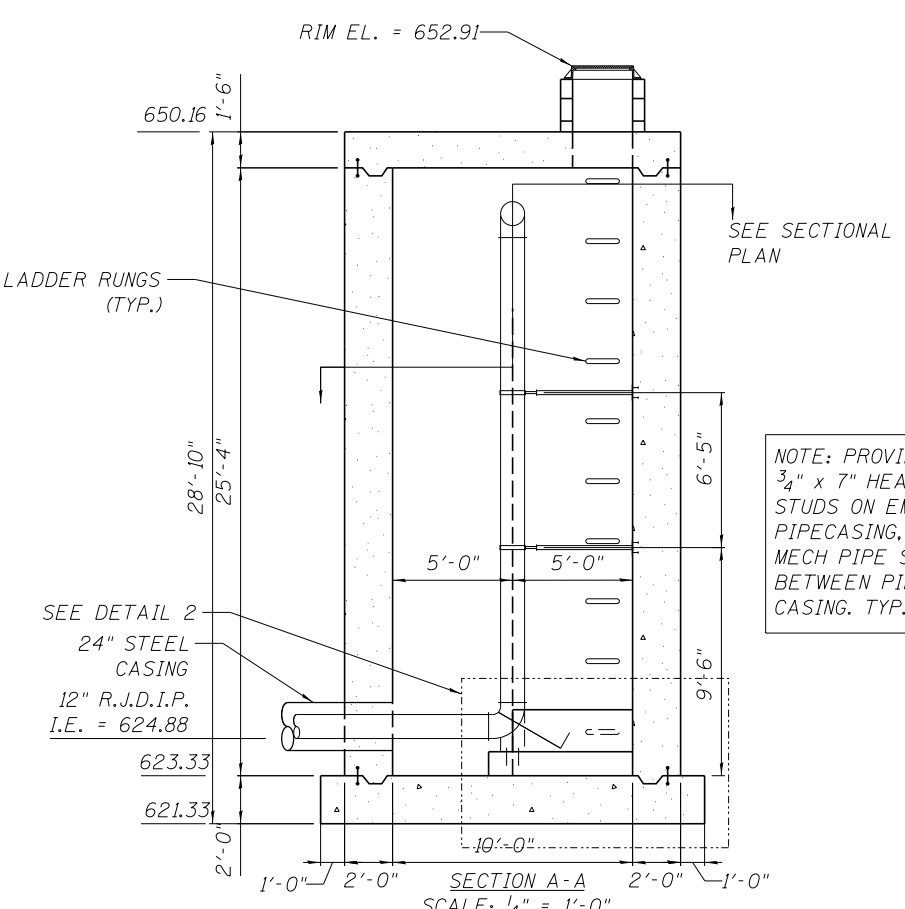
DETAIL 3
SCALE: 3/4" = 1'-0"



TOP PLAN VIEW
SCALE: 1/4" = 1'-0"

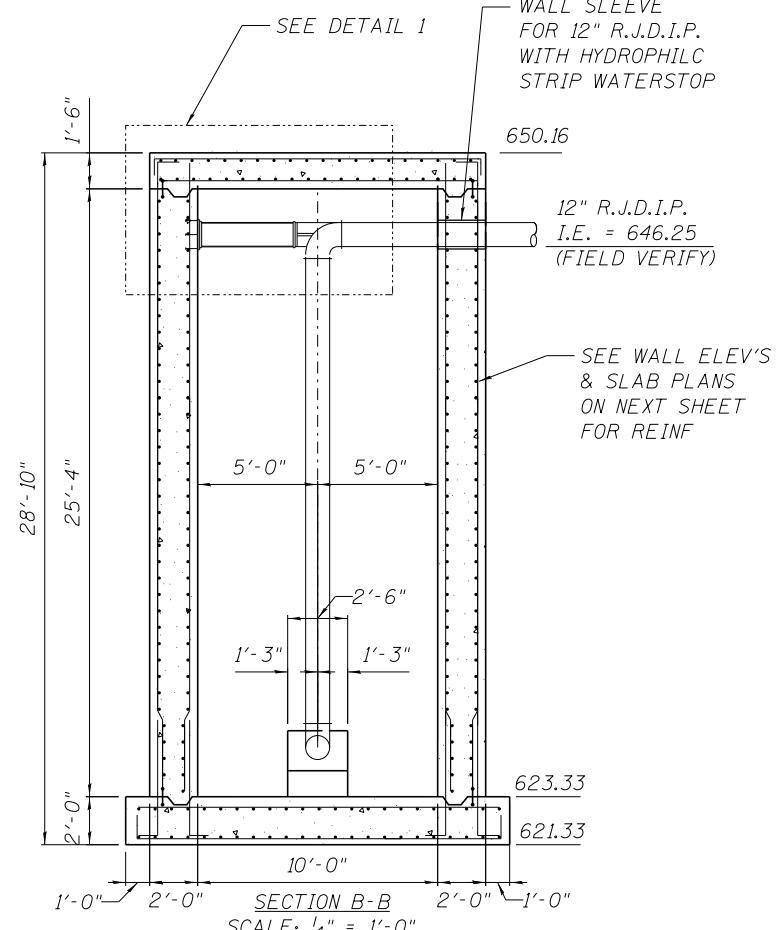


SECTIONAL PLAN
(PLAN VIEW OF LATERAL RESTRAINTS)
SCALE: 1/4" = 1'-0"



SECTION A-A
SCALE: 1/4" = 1'-0"

NOTE: PROVIDE (4) 3/4" x 7" HEADED STUDS ON EMBEDDED PIPECASING, W/ MECH PIPE SEAL BETWEEN PIPE & CASING. TYP.



SECTION B-B
SCALE: 1/4" = 1'-0"

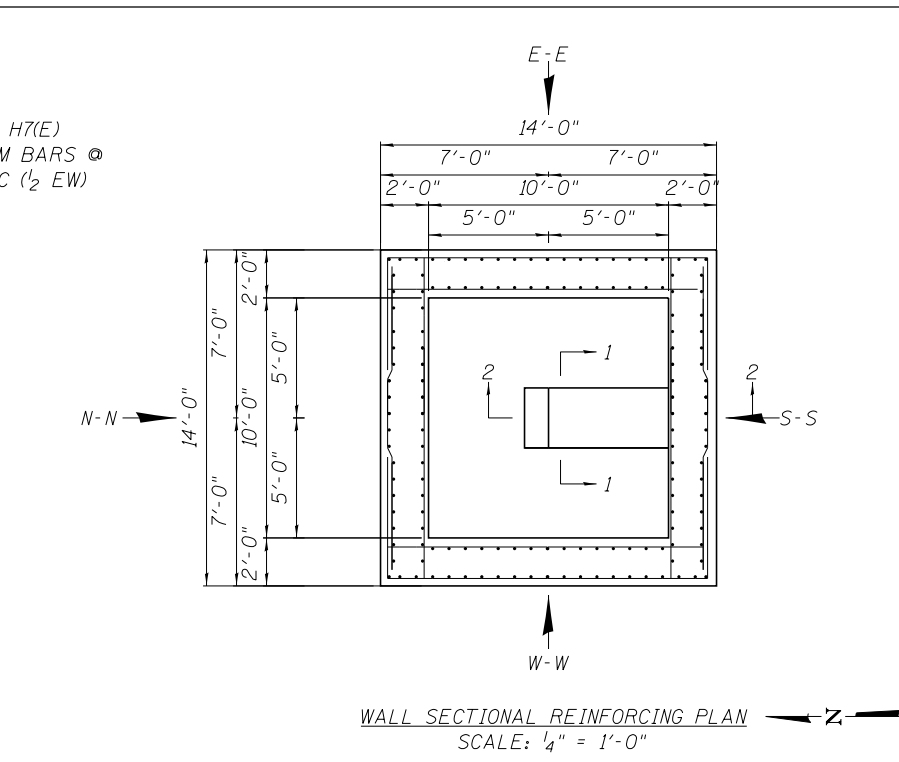
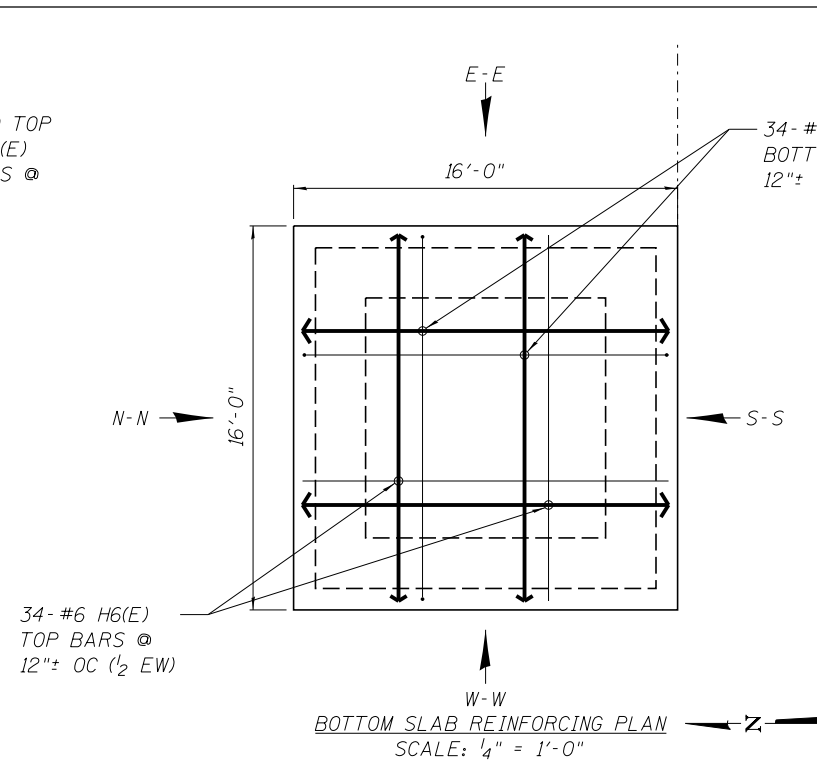
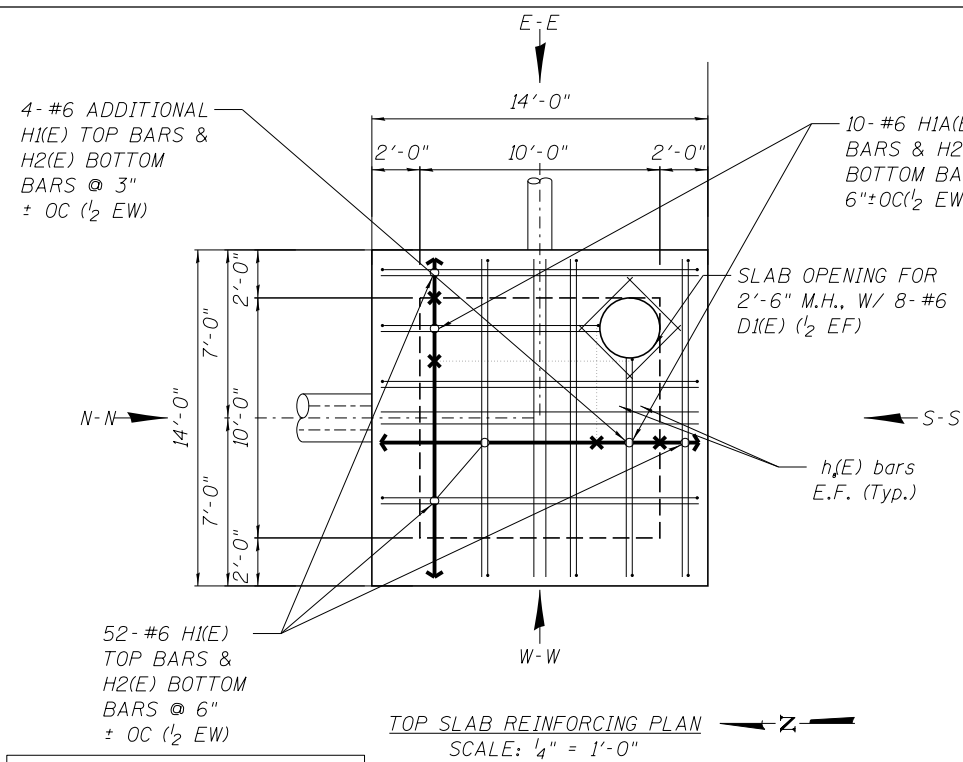


USER NAME = mksrby	DESIGNED MJK	REVISED -
	DRAWN MJK	REVISED -
PLOT SCALE = 1/80' / in.	CHECKED MAM	REVISED -
PLOT DATE = 6/6/2016	DATE 5/6/2016	REVISED -

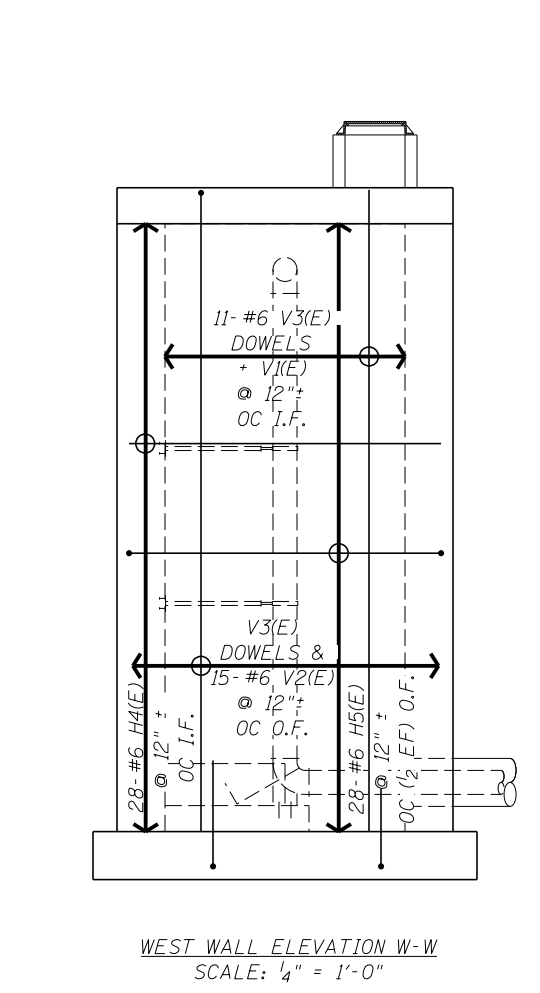
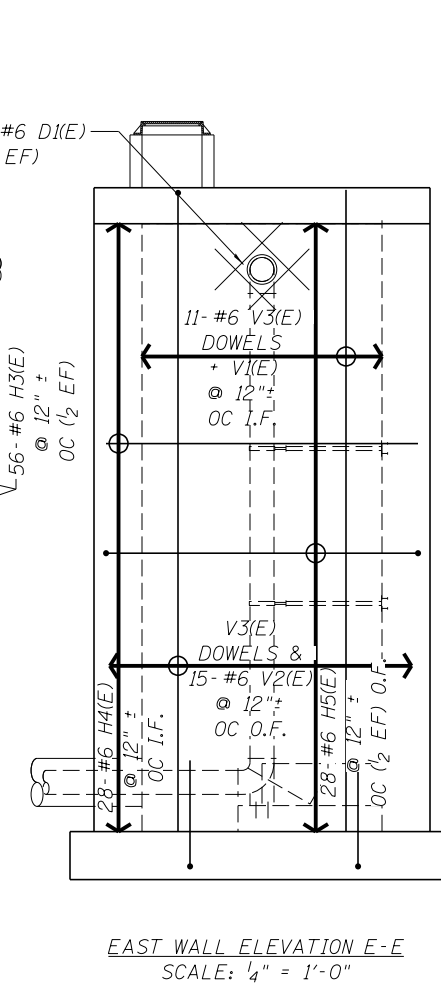
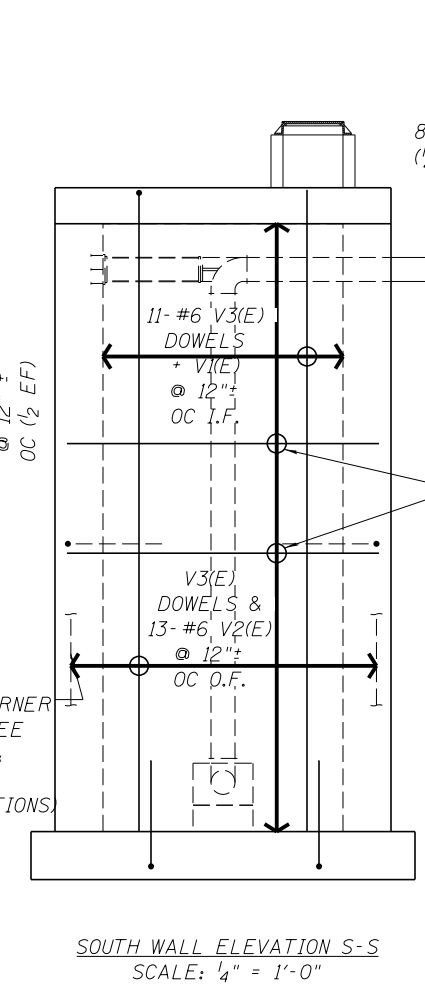
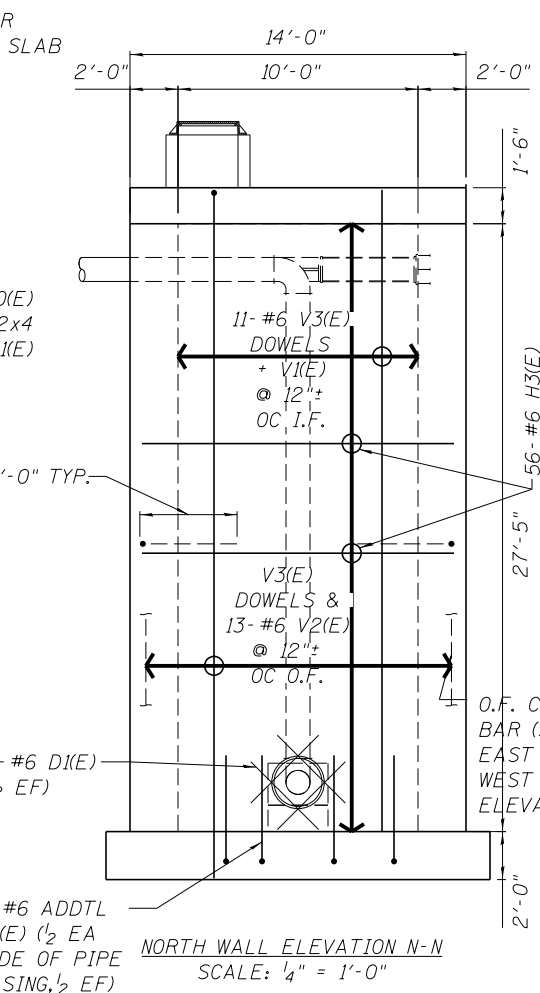
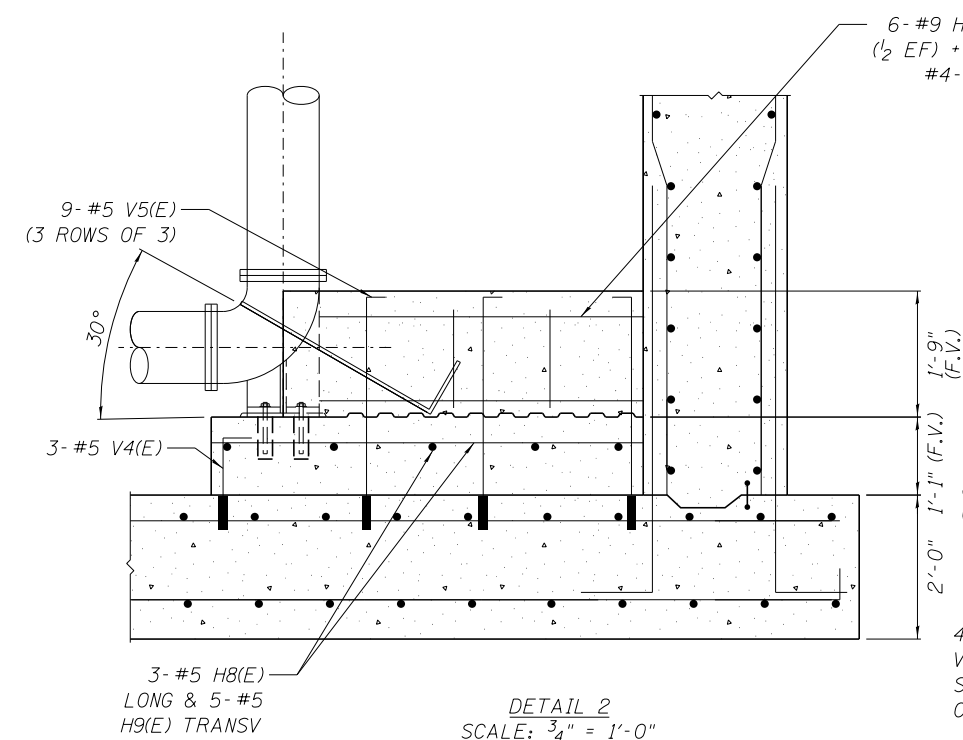
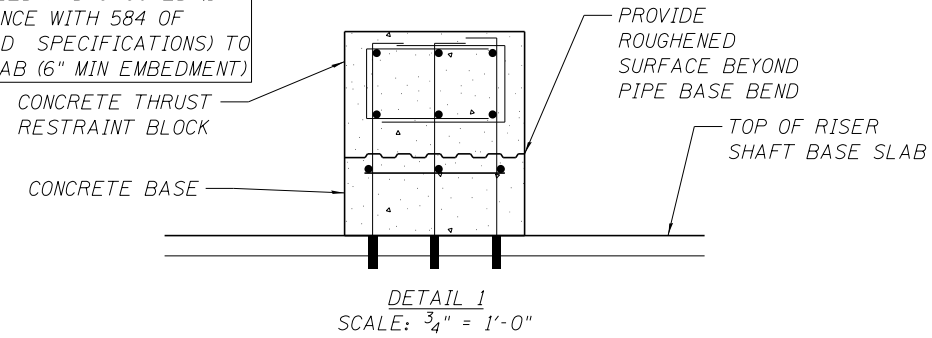
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WATER MAIN RELOCATION LOCATION NO. 1 SOUTH RISER SHAFT DETAILS	
SCALE: 1:20	SHEET NO. 8 OF 16 SHEETS
STA.	TO STA.

F.A.I. RE. 90	SECTION (1517 & 1415) R-3	COUNTY COOK	TOTAL SHEETS 557	SHEET NO. 188
CONTRACT NO. 60Y38				
ILLINOIS FED. AID PROJECT				



NOTE: VERTICAL BARS SHALL BE DRILLED AND GROUTED (IN ACCORDANCE WITH 584 OF STANDARD SPECIFICATIONS) TO BASE SLAB (6" MIN EMBEDMENT)

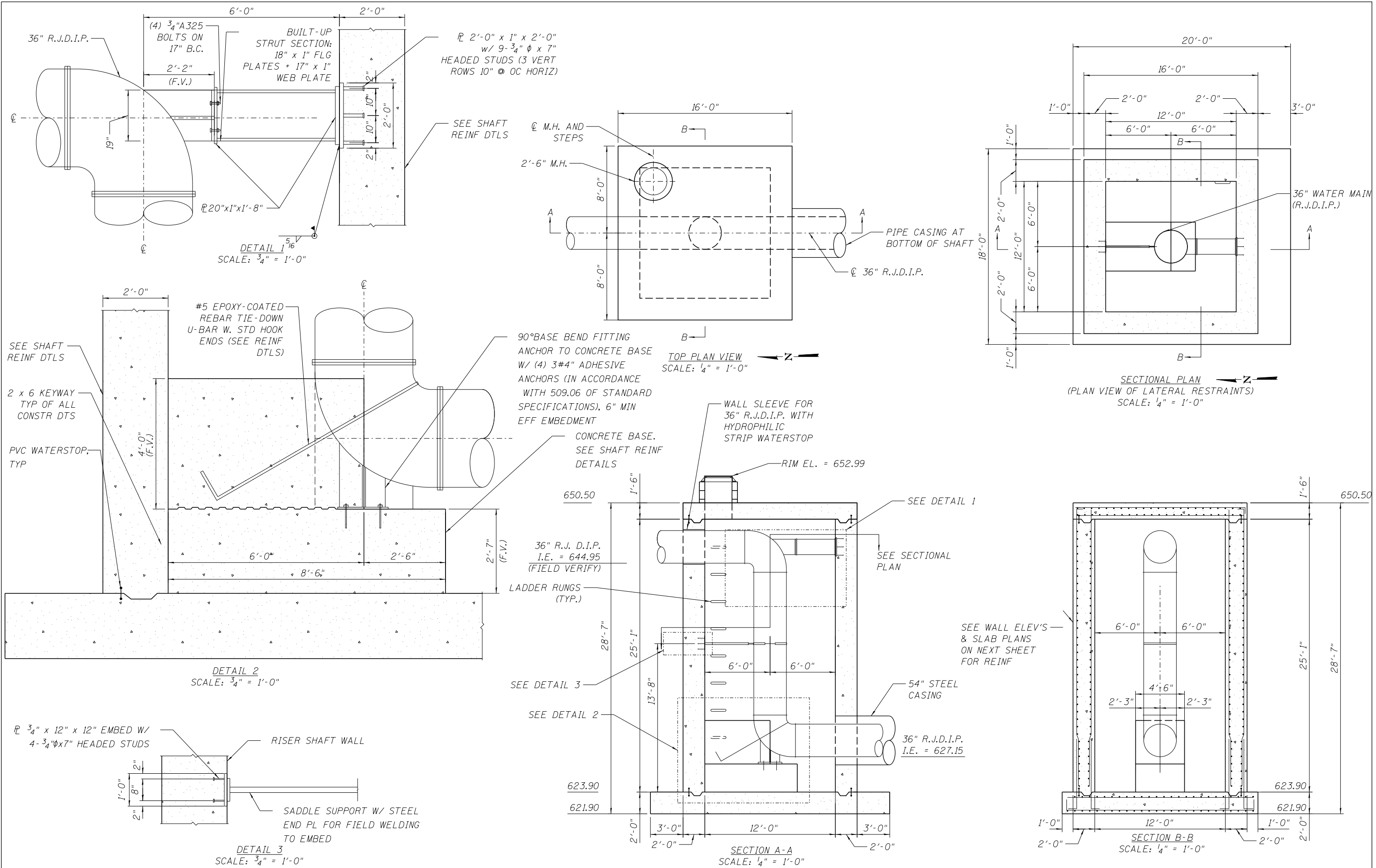


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	DRAWN MJK	REVISED -
PLOT SCALE = 1:80' / in.	CHECKED MAM	REVISED -
PLOT DATE = 6/6/2016	DATE 5/6/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WATER MAIN RELOCATION LOCATION NO. 1 SOUTH RISER SHAFT REINFORCING	
SCALE: 1:20	SHEET NO. 9 OF 16 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	(1517 & 1415) R-3	COOK	557	189
CONTRACT NO. 60Y38				
ILLINOIS FED. AID PROJECT				



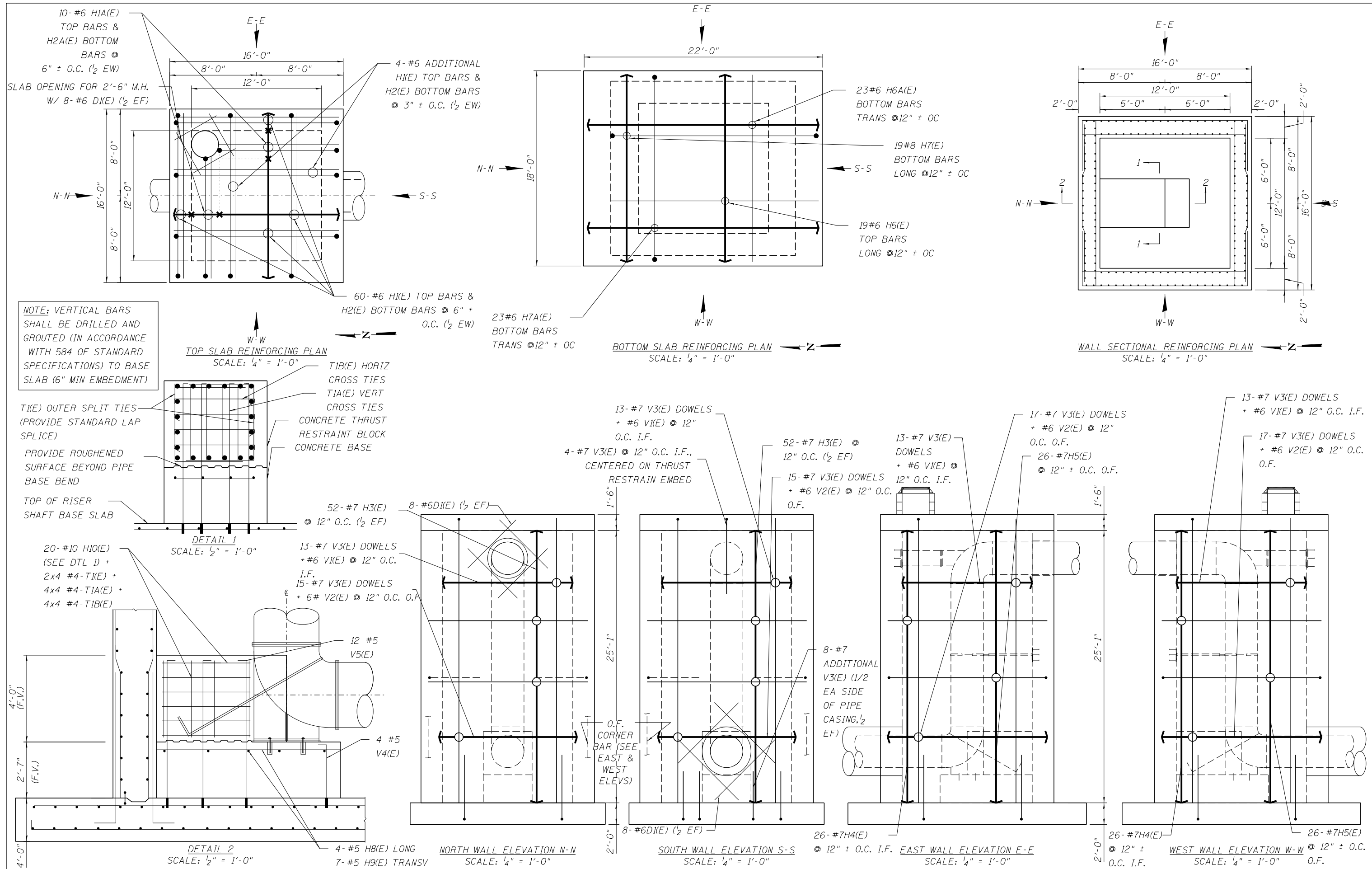
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PLOT SCALE = 1/80' / in.	CHECKED MAM	REVISED -
PLOT DATE = 6/6/2016	DATE 5/6/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WATER MAIN RELOCATION
LOCATION NO. 2
NORTH RISER SHAFT DETAILS

SCALE: 1:20 SHEET NO. 10 OF 16 SHEETS STA. TO STA.

F.A.I. R.E. 90	SECTION (1517 & 1415) R-3	COUNTY COOK	TOTAL SHEETS 557	SHEET NO. 190
CONTRACT NO. 60Y38				
ILLINOIS FED. AID PROJECT				



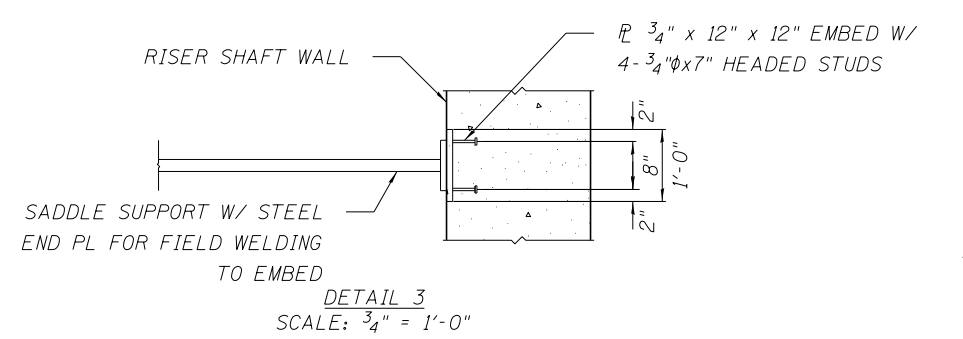
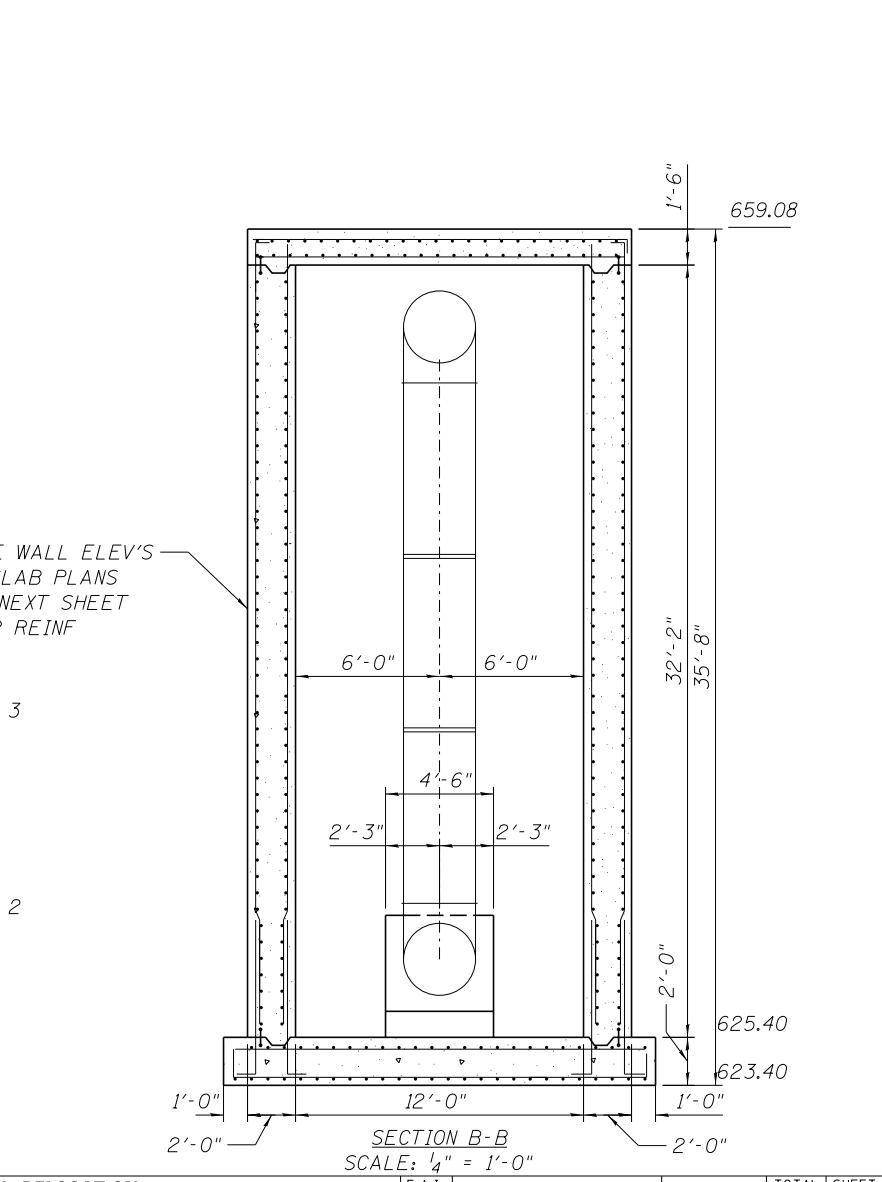
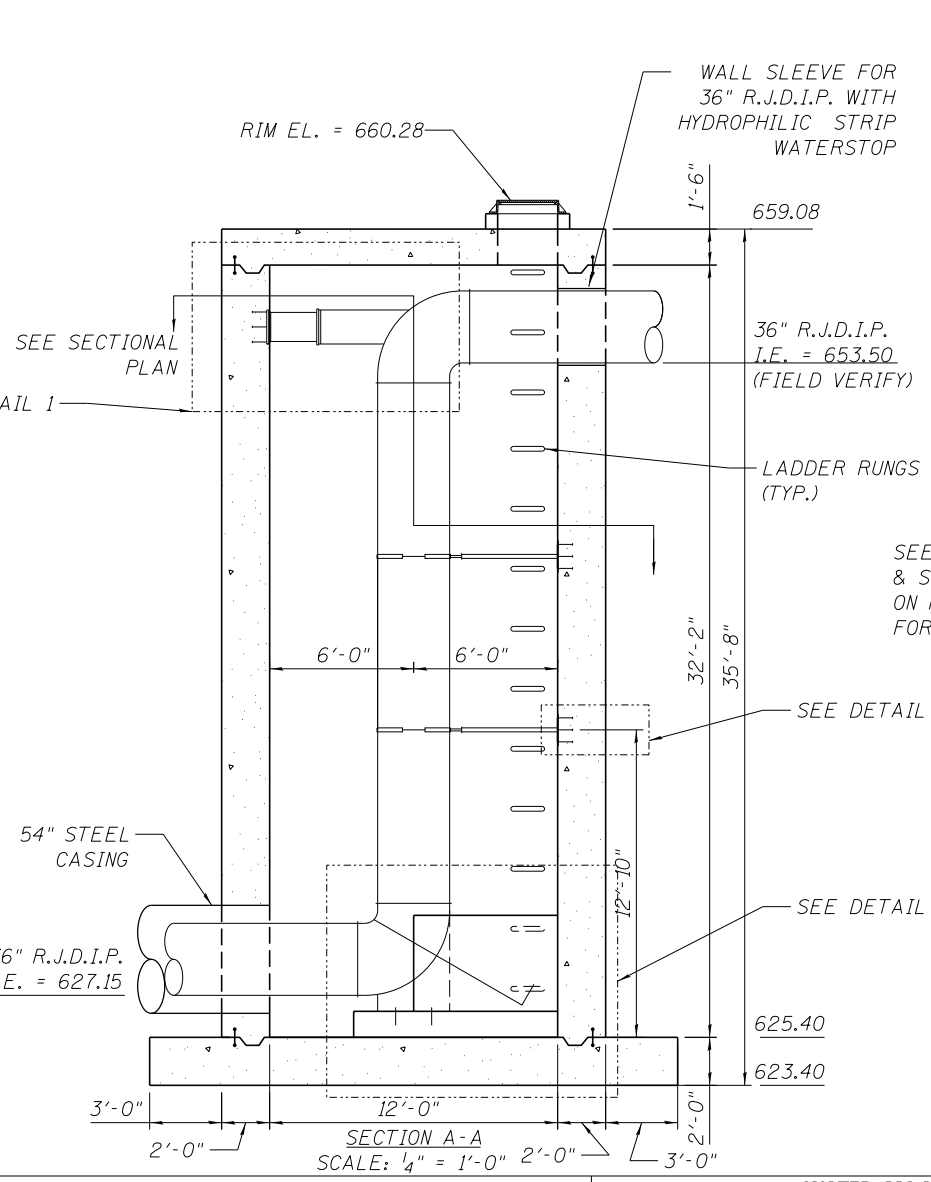
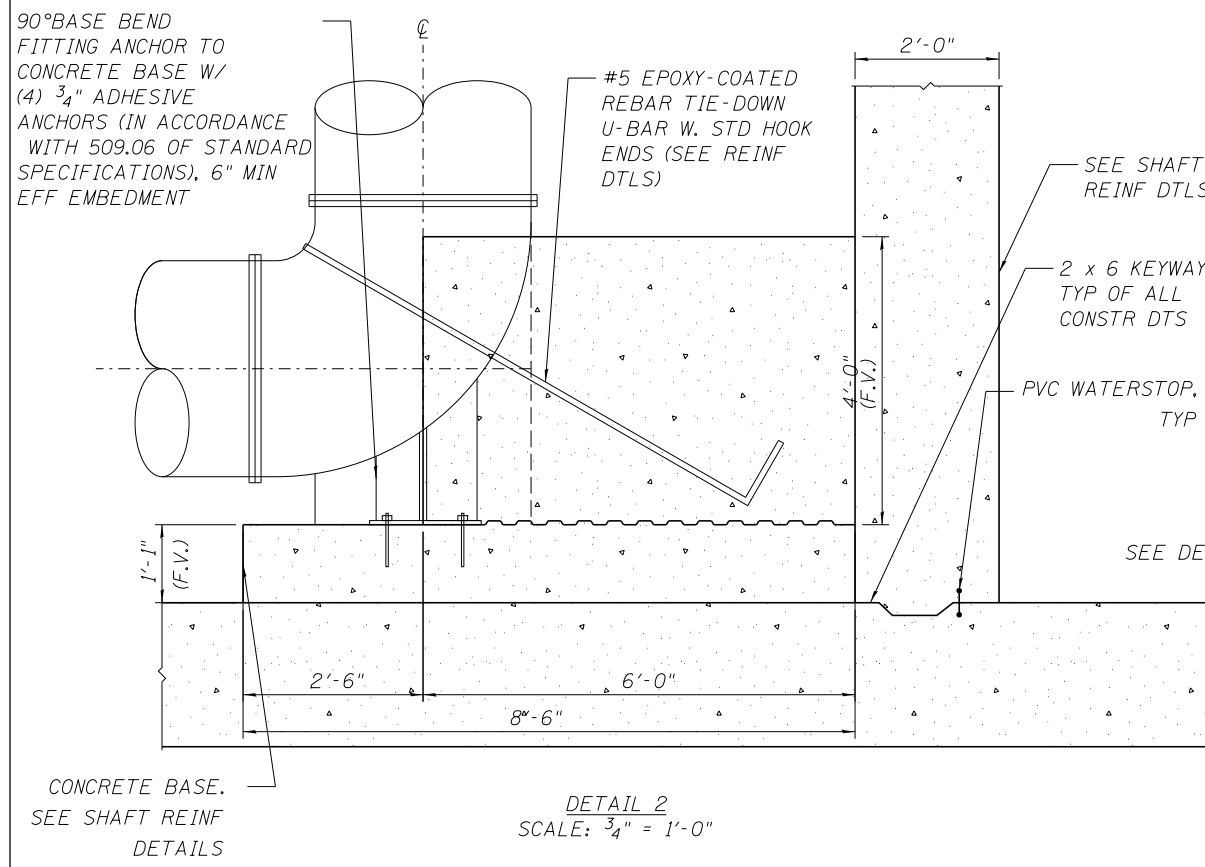
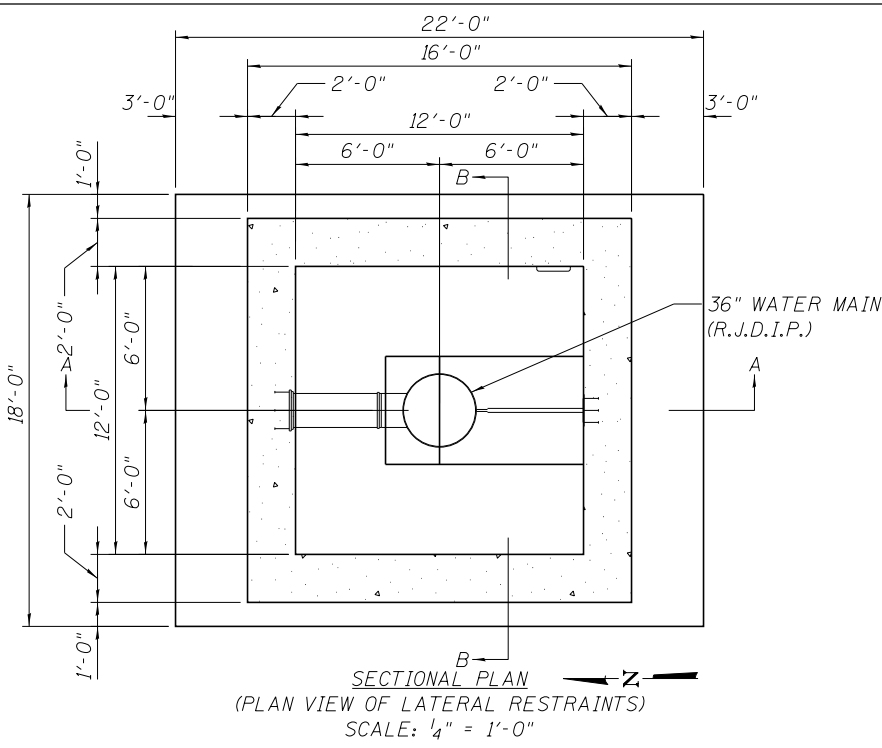
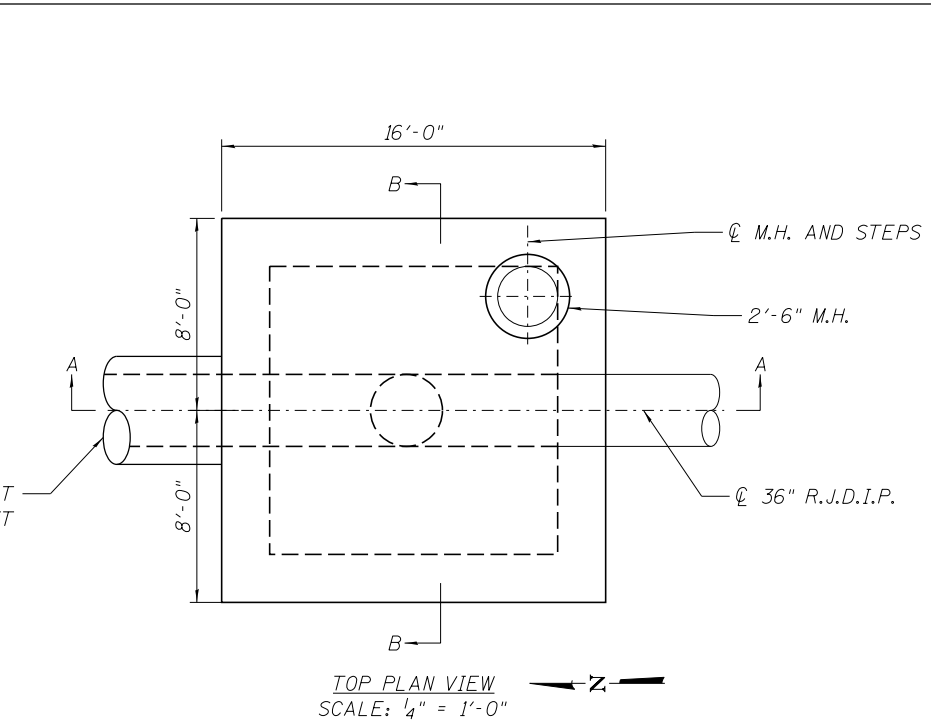
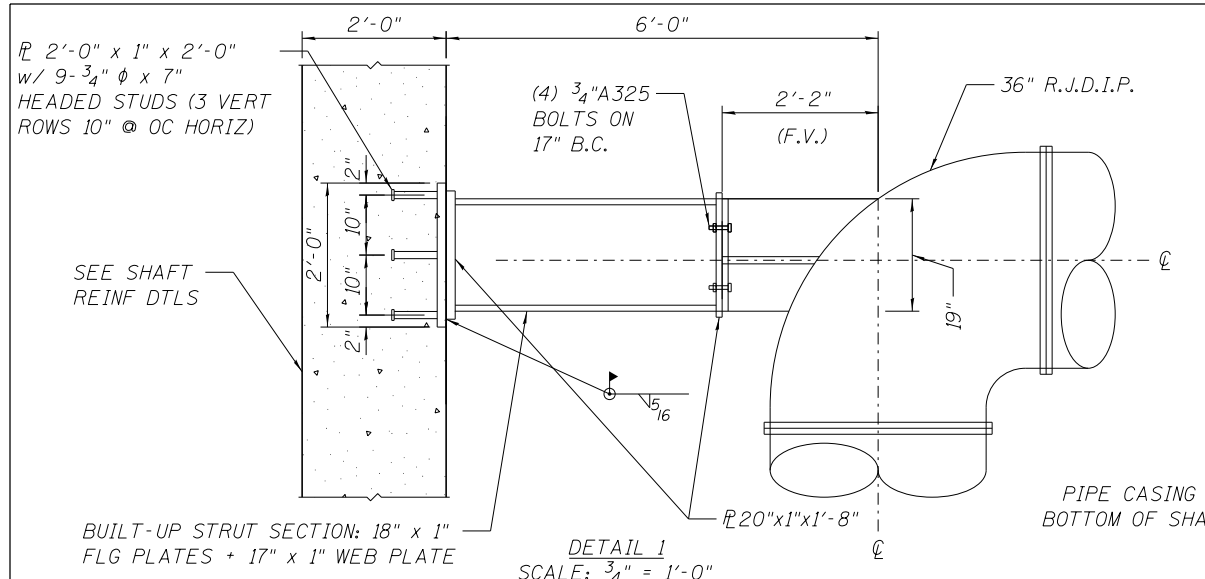
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PLOT SCALE = 1/80' / in.	DRAWN = MJK	REVISED =
PLOT DATE = 6/6/2016	CHECKED = MAM	REVISED =
	DATE = 5/6/2016	REVISED =

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**WATER MAIN RELOCATION
LOCATION NO. 2
NORTH RISER SHAFT REINFORCING**

SCALE: 1:20 SHEET NO. 11 OF 16 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	(1517 & 1415) R-3	COOK	557	191
CONTRACT NO. 60Y38				
ILLINOIS FED. AID PROJECT				

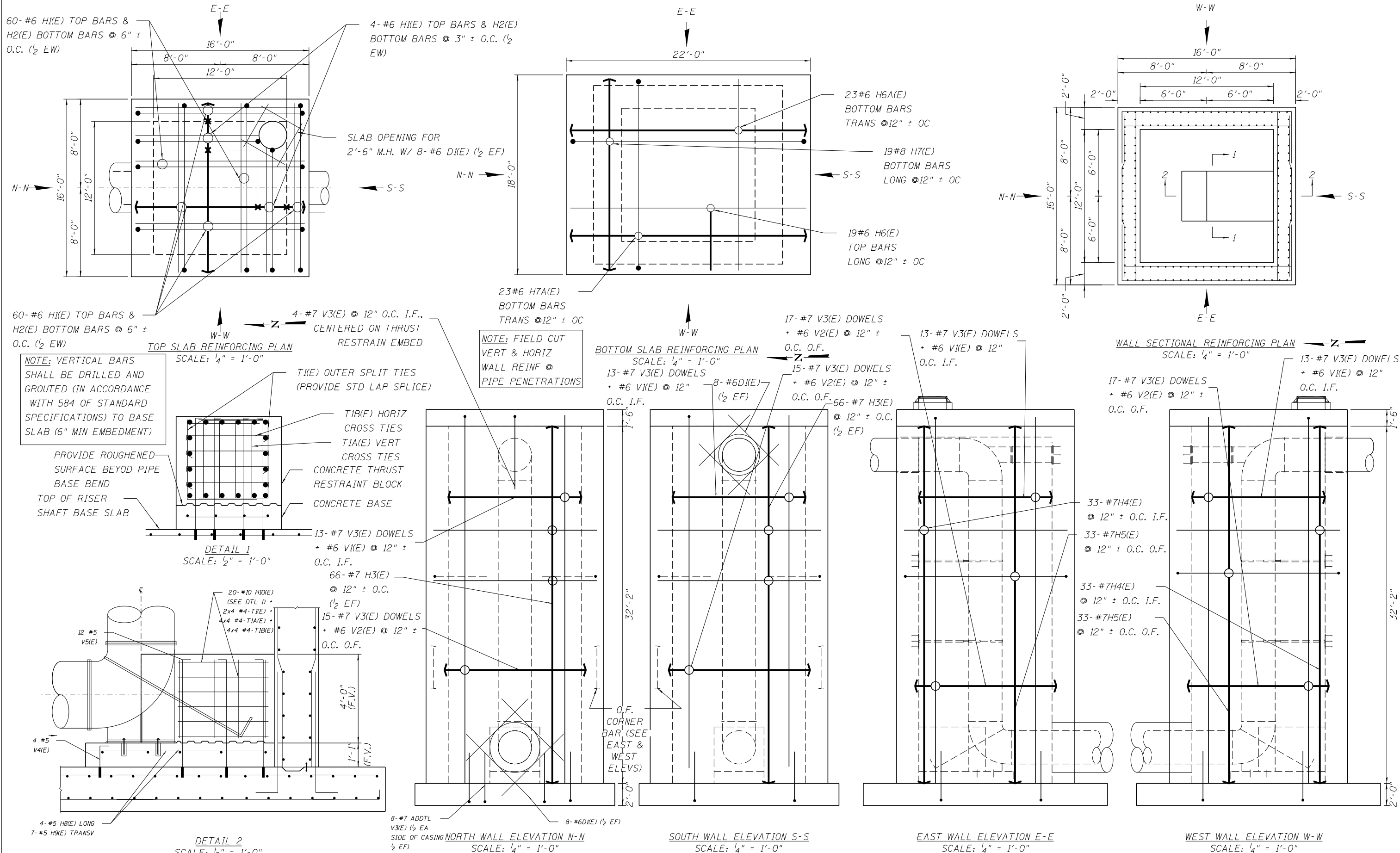


USER NAME = mksrby	DESIGNED MJK	REVISED -
	DRAWN MJK	REVISED -
PLOT SCALE = 1/80' / in.	CHECKED MAM	REVISED -
PLOT DATE = 6/6/2016	DATE 5/6/2016	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

WATER MAIN RELOCATION LOCATION NO. 2 SOUTH RISER SHAFT DETAILS	
SCALE: 1:20	SHEET NO. 12 OF 16 SHEETS
STA.	TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	(1517 & 1415) R-3	COOK	557	192
CONTRACT NO. 60Y38				
ILLINOIS FED. AID PROJECT				

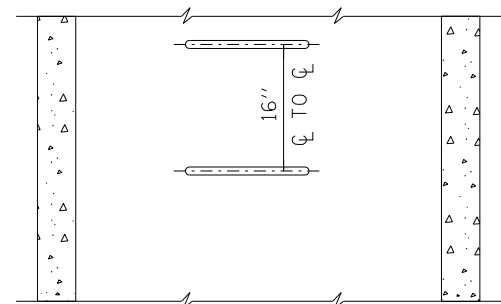
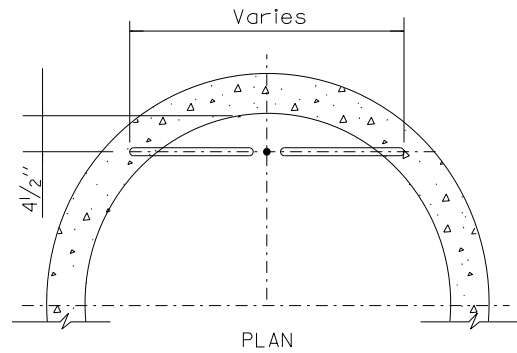


USER NAME = mksrby	DESIGNED MJK	REVISED -
	DRAWN MJK	REVISED -
PLOT SCALE = 1.00' / in.	CHECKED MAM	REVISED -
PLOT DATE = 6/6/2016	DATE 5/6/2016	REVISED -

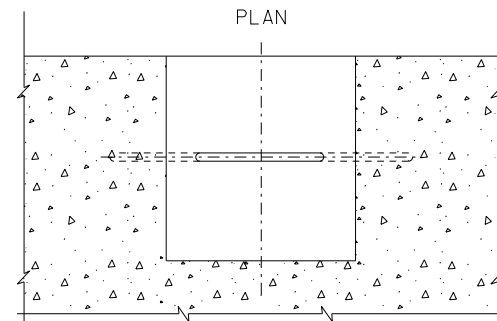
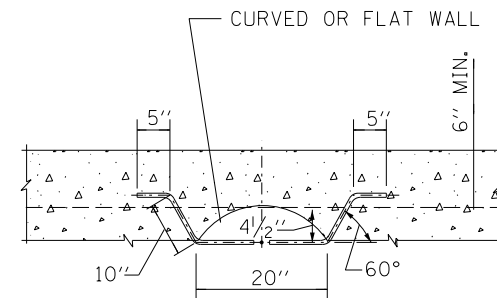
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

WATER MAIN RELOCATION LOCATION NO. 2 SOUTH RISER SHAFT REINFORCING	
SCALE: 1:20	SHEET NO. 13 OF 16 SHEETS STA. TO STA.

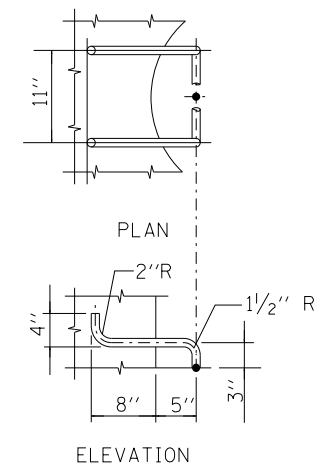
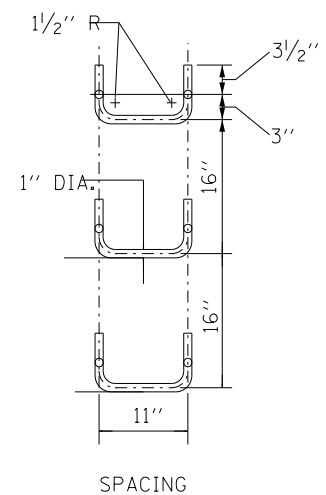
F.A.I. RTE. 90	SECTION (1517 & 1415) R-3	COUNTY COOK	TOTAL SHEETS 557	SHEET NO. 193
CONTRACT NO. 60Y38			ILLINOIS FED. AID PROJECT	



ELEVATION
TYPE X



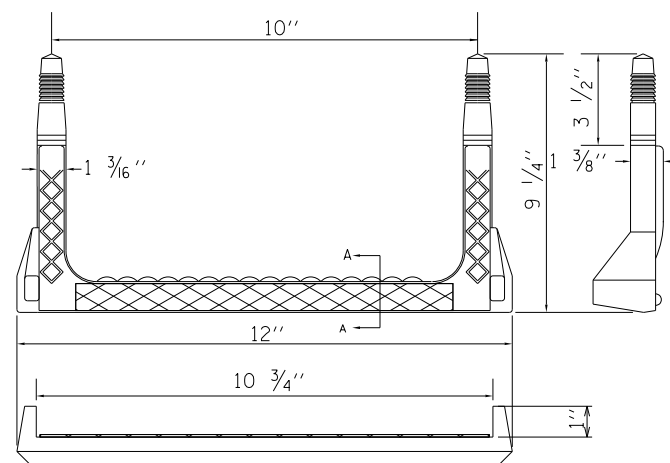
ELEVATION
TYPE Y



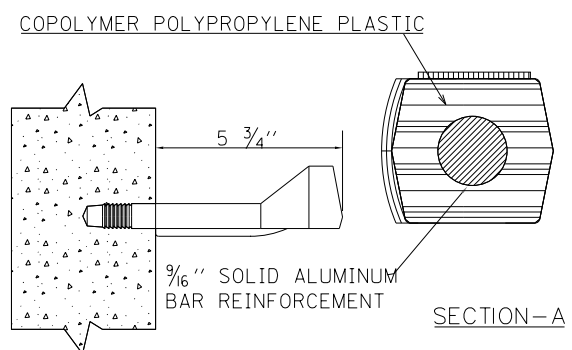
HANDHOLD-TYPE Z RUNG

NOTES:

1. VERTICAL SPACING = 16" O.C., ON VERTICAL WALL ONLY.
2. FIRST LADDER RING SHOULD BE A MAXIMUM OF 31" BELOW TOP OF MANHOLE FRAME
3. STEPS SHALL MEET THE REQUIREMENTS OF ASTM C478 IN ADDITION TO A HORIZONTAL PULL-OUT LOAD OF 1000 LBS. WHEN INSTALLED.
4. ALL STEPS SHALL BE VERTICALLY ALIGNED IN A STRAIGHT LINE.
5. NO STEPS LOCATED INSIDE MANHOLE CHIMNEY.
6. MINIMUM CONCRETE STRENGTH MUST BE 3000 PSI
7. HOLES- PREFORMED/DRILLED
 - A. HOLES MUST BE PARALLEL
 - B. HOLES MUST BE 10" CENTERED, 1" DIAMETER
 - C. MINIMUM DEPTH- 3 1/2" TO 3 3/4"



RECTANGULAR STEP LADDER RUNG



FOR USE ONLY IN 48" DIAMETER AND LARGER MANHOLES.

STANDARD REVISIONS	
DATE	DESCRIPTION
12/28/15	APPROVED PLAN

PERCENT COMPLETE	DATE
30	
60	
75	
90	
100	
BULLETIN	

CITY OF CHICAGO DEPARTMENT OF WATER MANAGEMENT BUREAU OF ENGINEERING SERVICES			
LADDER RUNGS			
OF			
PN			

DRAWN: SBW	A.20
DESIGNED: CHECKED:	
REVIEWED:	

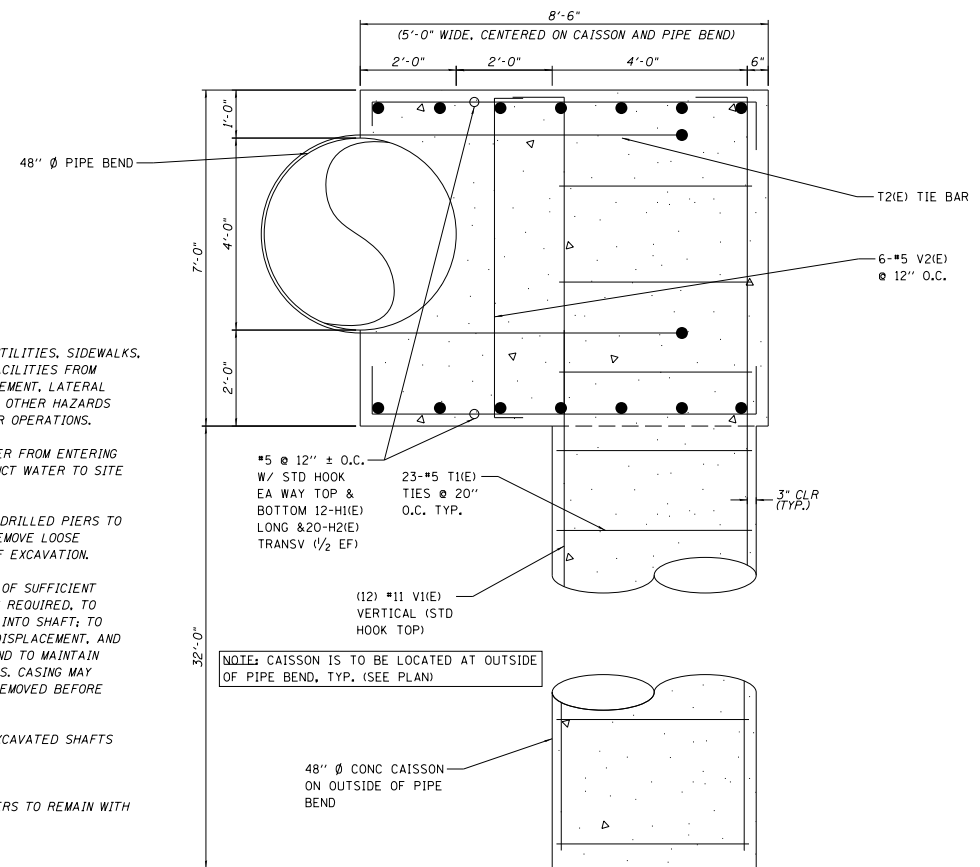


USER NAME = mksrby	DESIGNED MJK	REVISED -
	DRAWN MJK	REVISED -
PLOT SCALE = 1.00' / in.	CHECKED MAM	REVISED -
PLOT DATE = 6/6/2016	DATE 5/6/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WATER MAIN RELOCATION
LADDER RUNG DETAIL

F.A.I. RTE. 90	SECTION (1517 & 1415) R-3	COUNTY COOK	TOTAL SHEETS 557	SHEET NO. 194
CONTRACT NO. 60Y38				
ILLINOIS FED. AID PROJECT				



DRILLED CAISSON NOTES:

1. PROTECT STRUCTURES, UTILITIES, SIDEWALKS, PAVEMENTS, AND OTHER FACILITIES FROM DAMAGE CAUSED BY SETTLEMENT, LATERAL MOVEMENT, VIBRATION, AND OTHER HAZARDS CREATED BY DRILLED-PIER OPERATIONS.
2. PREVENT SURFACE WATER FROM ENTERING EXCAVATED SHAFTS. CONDUCT WATER TO SITE DRAINAGE FACILITIES.
3. EXCAVATE SHAFTS FOR DRILLED PIERS TO INDICATED ELEVATIONS. REMOVE LOOSE MATERIAL FROM BOTTOM OF EXCAVATION.
4. PROVIDE STEEL CASING OF SUFFICIENT LENGTH AND THICKNESS AS REQUIRED, TO PREVENT WATER SEEPAGE INTO SHAFT, TO WITHSTAND COMPRESSIVE DISPLACEMENT, AND WITHDRAWAL STRESSES; AND TO MAINTAIN STABILITY OF SHAFT WALLS. CASING MAY REMAIN IN PLACE OR BE REMOVED BEFORE CONCRETING.
5. REMOVE WATER FROM EXCAVATED SHAFTS BEFORE CONCRETING.
6. CONSTRUCT DRILLED PIERS TO REMAIN WITH ACT 336.1 TOLERANCES.

NOTE: CAISSON IS TO BE LOCATED AT OUTSIDE OF PIPE BEND, TYP. (SEE PLAN)

TYPICAL 48" WATER MAIN HORIZONTAL THRUST RESTRAINT CAISSON DETAIL
SCALE: 1/2" = 1'-0"



USER NAME = mksrby	DESIGNED	REVISED -
	DRAWN MJK	REVISED -
PLOT SCALE = 1.00' / in.	CHECKED MAM	REVISED -
PLOT DATE = 6/6/2016	DATE 5/6/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WATER MAIN RELOCATION
CAISSON DETAIL

SCALE: N.T.S. SHEET NO. 15 OF 16 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	(1517 & 1415) R-3	COOK	557	195
				CONTRACT NO. 60Y38
ILLINOIS FED. AID PROJECT				

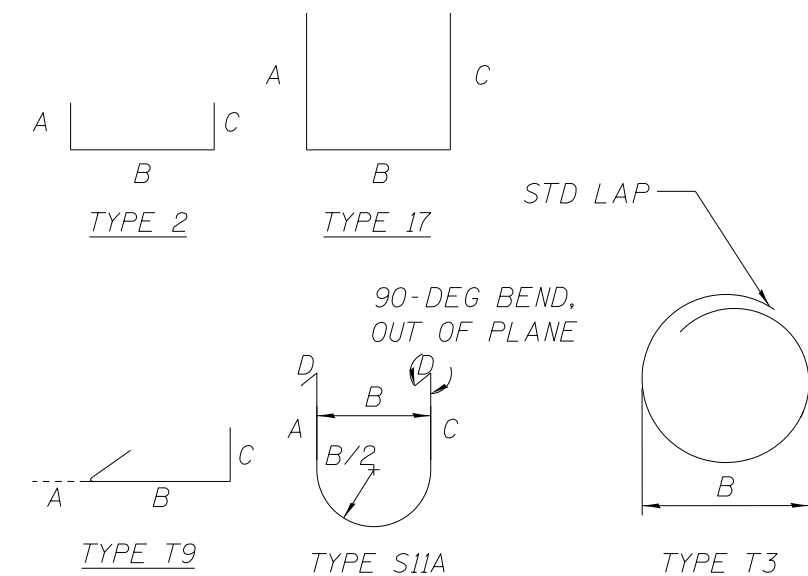
Shaft Loc.	Location 1 - Riser Shaft								
Shaft No.	North								
Frontage Rd.	Higgins Rd.								
Bill of Material				Bar Bend Schedule					
Bar Mark	No.	Size	Length	Bend Type	A	B	C	D	
H1(E)	52	#6	15'-8"	2	1'-0"	13'-8"	1'-0"		
H1A(E)	10	#6	11'-2"	2	1'-0"	9'-2"	1'-0"		
H2(E)	52	#6	13'-8"	-		13'-8"			
H2A(E)	10	#6	9'-2"	-		9'-2"			
V1(E)	44	#6	28'-7 1/2"	-		28'-7 1/2"			
V2(E)	56	#6	29'-7 1/2"	2	1'-0"	28'-7 1/2"			
V3(E)	100	#6	6'-7 1/2"	2	1'-0"	5'-7 1/2"			
H3(E)	112	#6	13'-6 1/2"	-		13'-6 1/2"			
H4(E)	56	#6	13'-6 1/2"	-		13'-6 1/2"			
H5(E)	56	#6	21'-6 1/2"	17	4'-0"	13'-6 1/2"	4'-0"		
H6(E)	34	#6	15'-6"	-		15'-6"			
H7(E)	34	#6	17'-6"	2	1'-0"	15'-6"	1'-0"		
D1(E)	24	#6	4'-0"	-		4'-0"			
H8(E)	3	#5	5'-8"	-		5'-8"			
H9(E)	5	#5	2'-2"	-		2'-2"			
V4(E)	3	#5	2'-5"	2	0'-10"	1'-7"			
V5(E)	9	#5	4'-2"	2	0'-10"	3'-4"			
H10(E)	6	#9	4'-2"	-		4'-2"			
T1(E)	8	#4	5'-5"	17	2'-0"	1'-5"	2'-0"		
T1A(E)	4	#4	1'-11"	T9	0'-3"	1'-5"	0'-3"		
T2(E)	1	#5	8'-4 1/4"	S11A	2'-4 3/4"	1'-2 1/2"	2'-4 3/4"	0'-10"	
Concrete Structures		Cu Yd	128.7						
Reinforcement Bars, Epoxy Coated		Pounds	15,191						
Structural Steel		Pounds	493						
Stud Shear Connectors		Each	14						

Shaft Loc.	Location 2 - Riser Shaft								
Shaft No.	North								
Frontage Rd.	W. Higgins Rd.								
Bill of Material				Bar Bend Schedule					
Bar Mark	No.	Size	Length	Bend Type	A	B	C	D	
H1(E)	60	#6	17'-8"	2	1'-0"	15'-8"	1'-0"		
H1A(E)	10	#6	13'-2"	2	1'-0"	11'-2"	1'-0"		
H2(E)	60	#6	15'-8"	-		15'-8"			
H2A(E)	10	#6	11'-2"	-		11'-2"			
V1(E)	52	#6	26'-3 1/2"	-		26'-3 1/2"			
V2(E)	64	#6	27'-3 1/2"	2	1'-0"	26'-3 1/2"			
V3(E)	108	#7	6'-9 1/2"	2	1'-2"	5'-7 1/2"			
H3(E)	104	#7	15'-6 1/2"	-		15'-6 1/2"			
H4(E)	52	#7	15'-6 1/2"	-		15'-6 1/2"			
H5(E)	52	#7	23'-6 1/2"	17	4'-0"	15'-6 1/2"	4'-0"		
H6(E)	19	#6	21'-6"	-		21'-6"			
H6A(E)	23	#6	17'-6"	-		17'-6"			
H7(E)	19	#8	24'-2"	2	1'-4"	21'-6"	1'-4"		
H7A(E)	23	#6	19'-6"	2	1'-0"	17'-6"	1'-0"		
D1(E)	24	#6	4'-0"	-		4'-0"			
H8(E)	4	#5	8'-2"	-		8'-2"			
H9(E)	7	#5	4'-2"	-		4'-2"			
V4(E)	4	#5	3'-11"	2	0'-10"	3'-1"			
V5(E)	12	#5	7'-11"	2	0'-10"	7'-1"			
H10(E)	20	#10	5'-2"	-		5'-2"			
T1(E)	8	#4	10'-8"	17	3'-6"	3'-8"	3'-6"		
T1A(E)	16	#4	4'-2"	T9	0'-3"	3'-8"	0'-3"		
T1B(E)	16	#4	4'-8"	T9	0'-3"	4'-2"	0'-3"		
T2(E)	1	#5	17'-8 3/4"	S11A	5'-5"	3'-4"	5'-5"	0'-10"	
Concrete Structures		Cu Yd	139.3						
Reinforcement Bars, Epoxy Coated		Pounds	21,032						
Structural Steel		Pounds	1,082						
Stud Shear Connectors		Each	13						

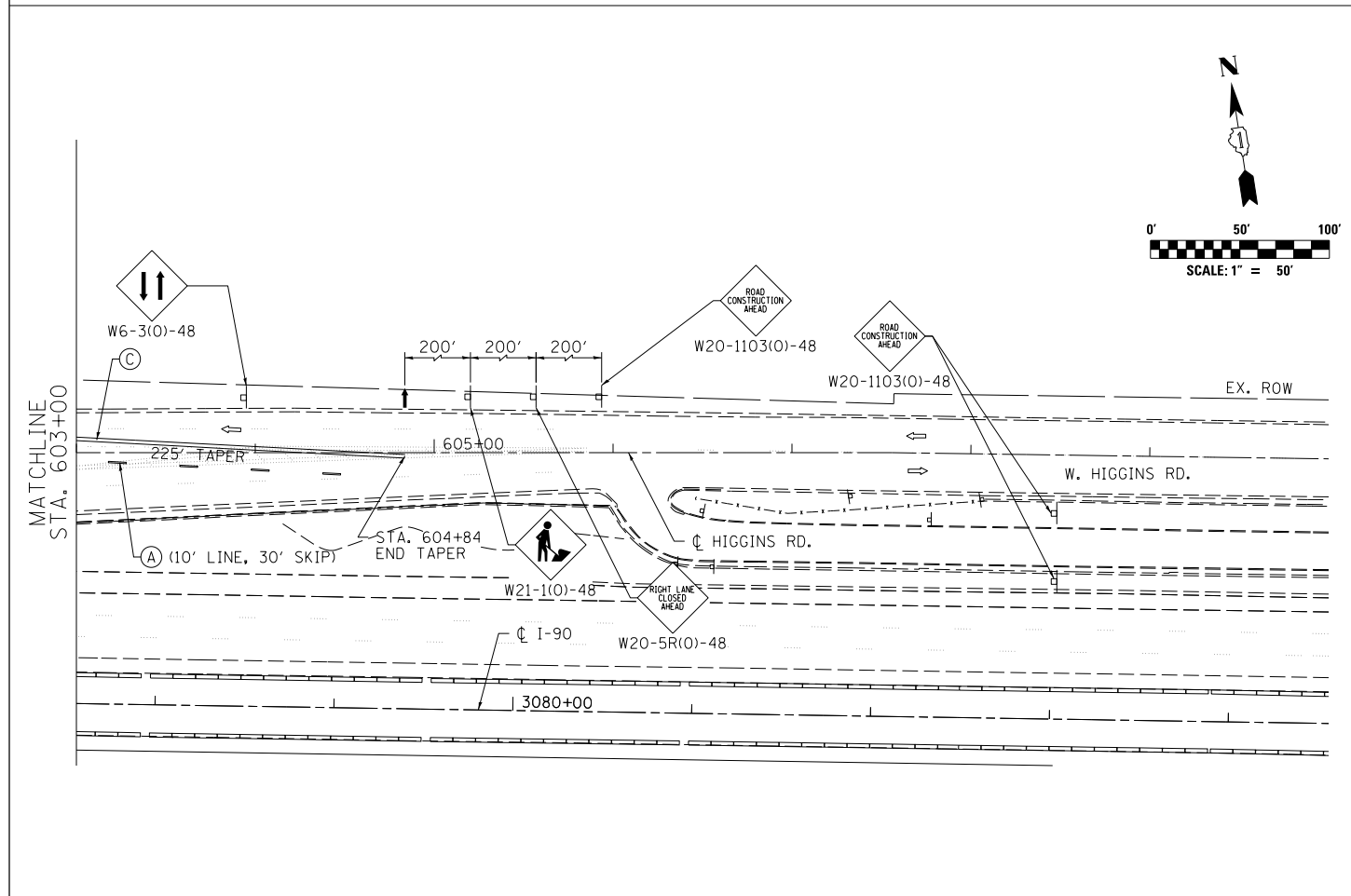
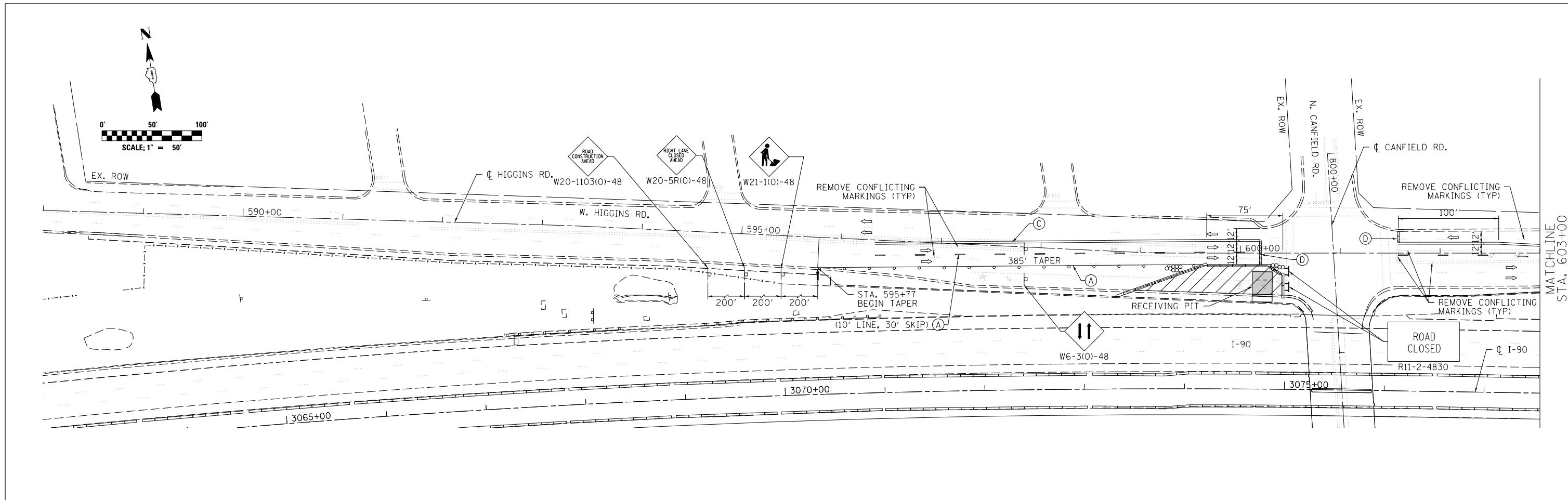
Shaft Loc.	Location 2 - Drilled Caissons								
Shaft No.	East and West (Typ of 2)								
Frontage Rd.	W. Higgins Rd.								
Bill of Material				Bar Bend Schedule					
Bar Mark	No.	Size	Length	Bend Type	A	B	C	D	
V1(E)	12	#11	40'-8"	2	2'-0"	38'-8"			
T1(E)	23	#5	12'-6"	T3		3'-5 3/8"			
H1(E)	12	#5	9'-10"	2	0'-10"	8'-2"	0'-10"		
H2(E)	20	#5	6'-4"	2	0'-10"	4'-8"	0'-10"		
V2(E)	2	#5	8'-3"	2	0'-10"	6'-7"	0'-10"		
T2(E)	1	#5	20'-5 5/8"	S11A	6'-0"	4'-4"	6'-0"	0'-10"	
Concrete Structures		Cu Yd	11.0						
Drilled Shaft Concrete Foundations		Cu Yd	14.9						
Reinforcement Bars, Epoxy Coated		Pounds	3,191						

Shaft Loc.	Location 1 - Riser Shaft								
Shaft No.	South								
Frontage Rd.	Serbian Rd.								
Bill of Material				Bar Bend Schedule					
Bar Mark	No.	Size	Length	Bend Type	A	B	C	D	
H1(E)	52	#6	15'-8"	2	1'-0"	13'-8"	1'-0"		
H1A(E)	10	#6	11'-2"	2	1'-0"	9'-2"	1'-0"		
H2(E)	52	#6	13'-8"	-		13'-8"			
H2A(E)	10	#6	9'-2"	-		9'-2"			
V1(E)	44	#6	26'-6 1/2"	-		26'-6 1/2"			
V2(E)	56	#6	27'-6 1/2"	2	1'-0"	26'-6 1/2"			
V3(E)	100	#6	6'-7 1/2"	2	1'-0"	5'-7 1/2"			
H3(E)	104	#6	13'-6 1/2"	-		13'-6 1/2"			
H4(E)	52	#6	13'-6 1/2"	-		13'-6 1/2"			
H5(E)	52	#6	21'-6 1/2"	17	4'-0"	13'-6 1/2"	4'-0"		
H6(E)	34	#6	15'-6"	-		15'-6"			
H7(E)	34	#6	17'-6"	2	1'-0"	15'-6"	1'-0"		
D1(E)	24	#6	4'-0"	-		4'-0"			
H8(E)	3	#5	5'-8"	-		5'-8"			
H9(E)	5	#5	2'-2"	-		2'-2"			
V4(E)	3	#5	2'-5"	2	0'-10"	1'-7"			
V5(E)	9	#5	4'-2"	2	0'-10"	3'-4"			
H10(E)	6	#9	4'-2"	-		4'-2"			
T1(E)	8	#4	5'-5"	17	2'-0"	1'-5"	2'-0"		
T1A(E)	4	#4	1'-11"	T9	0'-3"	1'-5"	0'-3"		
T2(E)	1	#5	8'-4 3/4"	S11A	2'-5"	1'-2 1/2"	2'-5"	0'-10"	
Concrete Structures		Cu Yd	121.3						
Reinforcement Bars, Epoxy Coated		Pounds	14,506						
Structural Steel		Pounds	493						
Stud Shear Connectors		Each	14						

Shaft Loc.	Location 2 - Riser Shaft								
Shaft No.	South								
Frontage Rd.	W. Higgins Ave.								
Bill of Material				Bar Bend Schedule					
Bar Mark	No.	Size	Length	Bend Type	A	B	C	D	
H1(E)	60	#6	17'-8"	2	1'-0"	15'-8"	1'-0"		
H1A(E)	10	#6	13'-2"	2	1'-0"	11'-2"	1'-0"		
H2(E)	60	#6	15'-8"	-		15'-8"			
H2A(E)	10	#6	11'-2"	-		11'-2"			
V1(E)	52	#6	33'-4 1/2"	-		33'-4 1/2"			
V2(E)	64	#6	34'-4 1/2"	2	1'-0"	33'-4 1/2"			
V3(E)	108	#7	6'-9 1/2"	2	1'-2"	5'-7 1/2"			
H3(E)	132	#7	15'-6 1/2"	-		15'-6 1/2"			
H4(E)	66	#7	15'-6 1/2"	-		15'-6 1/2"			
H5(E)	66	#7	23'-6 1/2"	17	4'-0"	15'-6 1/2"	4'-0"		
H6(E)	19	#6	21'-6"	-		21'-6"			
H6A(E)	23	#6	17'-6"	-		17'-6"			
H7(E)	19	#8	24'-2"	2	1'-4"	21'-6"	1'-4"		
H7A(E)	23	#6	19'-6"	2	1'-0"	17'-6"	1'-0"		
D1(E)	24	#6	4'-0"	-		4'-0"			
H8(E)	4	#5	8'-2"	-		8'-2"			
H9(E)	7	#5	4'-2"	-		4'-2"			
V4(E)	4	#5	3'-11"	2	0'-10"	3'-1"			
V5(E)	12	#5	7'-11"	2	0'-10"	7'-1"			
H10(E)	20	#10	5'-2"	-		5'-2"			
T1(E)	8	#4	10'-8"	17	3'-6"	3'-8"	3'-6"		
T1A(E)	16	#4	4'-2"	T9	0'-3"	3'-8"	0'-3"		
T1B(E)	16	#4	4'-8"	T9	0'-3"	4'-2"	0'-3"		
T2(E)	1	#5	17'-8 3/4"	S11A	5'-5"	3'-4"	5'-5"	0'-10"	
Concrete Structures		Cu Yd	176.6						
Reinforcement Bars, Epoxy Coated		Pounds	24,269						
Structural Steel		Pounds	1,113						
Stud Shear Connectors		Each	17						



REINFORCED BAR BEND TYPE DETAILS
NOT-TO-SCALE



TRAFFIC STAGING:

1. ELIMINATE PARKING ALONG W. HIGGINS RD. CONTACT CITY OF CHICAGO TO COORDINATE.
2. INSTALL TEMPORARY SIGNAL. INCLUDE SPLIT-PHASE LEFT TURNS FOR W. HIGGINS RD. SEE WATER MAIN RELOCATION TEMPORARY TRAFFIC SIGNAL SHEETS.
3. INSTALL ALL PAVEMENT MARKING, DRUMS, BARRICADES, AND SIGNING AS SHOWN. REMOVE CONFLICTING PAVEMENT MARKINGS AND COVER CONFLICTING SIGNS.
4. JACK WATER MAIN CASING AND PIPE UNDER I-90 AND CONSTRUCT RISER SHAFTS.
5. RESTORE PAVEMENT AND PAVEMENT MARKINGS TO SATISFACTION OF ENGINEER. SEE WATER MAIN PLAN AND PAVEMENT MARKING SHEETS.
6. REMOVE TEMPORARY MARKINGS AND SIGNS.
7. COMPLETE WATER MAIN CONNECTIONS TO EXISTING MAINS USING SHORT TERM LANE CLOSURES ON WEEKENDS USING APPLICABLE IDOT STANDARDS AS DIRECTED BY THE ENGINEER.

GENERAL NOTES:

1. THIS SHEET SHOWS SUGGESTED MAINTENANCE OF TRAFFIC PLAN FOR WATER MAIN PIPE JACKING WORK ONLY. FOR ALL OTHER MAINTENANCE OF TRAFFIC PLANS, SEE MAINLINE SUGGESTED STAGING AND TRAFFIC CONTROL SHEETS.
2. WET REFLECTIVE TEMPORARY TAPE TYPE III IS CURRENTLY CALLED OUT ON ALL STAGING PLANS FOR TEMPORARY PAVEMENT MARKINGS. CONTRACTOR HAS THE OPTION TO ALSO USE EPOXY OR POLYUREA AS TEMPORARY PAVEMENT MARKINGS. EPOXY OR POLYUREA PAVEMENT MARKING, IF USED, SHALL BE ACCORDING TO ARTICLE 1095.04 AND 1095.08 RESPECTIVELY OF THE STANDARD SPECIFICATION. EPOXY AND POLYUREA WILL NOT BE PAID SEPARATELY BUT WILL BE INCLUDED IN CONTRACT UNIT PRICE FOR WET REFLECTIVE TEMPORARY TAPE TYPE III OF VARIOUS THICKNESS. WET REFLECTIVE TEMPORARY TYPE III SHALL BE APPLIED ON THE FINAL WEARING SURFACE OR ON THE EXISTING PAVEMENT TO REMAIN.

- ▨ - WORK ZONE
 - - PAVEMENT RESTORATION
 - - CONCRETE BARRIER
 - - EXISTING PAVEMENT MARKING
 - - DRUM OR TYPE I BARRICADE W/ FLASHING AMBER LIGHT @ 20' C-C
 - TT - TYPE III BARRICADE
 - - ARROW BOARD
 - 8888 - IMPACT ATTENUATOR TEST LEVEL 2
 - ⇄ - TRAFFIC DIRECTION
 - ⊥ - TEMPORARY TRAFFIC SIGN
- WET REF TEM TAPE T3:
- (A) - 4 INCH (WHITE)
 - (B) - 4 INCH (YELLOW)
 - (C) - 4 INCH (DOUBLE YELLOW)
 - (D) - 24 INCH (WHITE)
 - (E) - LETTERS AND SYMBOLS



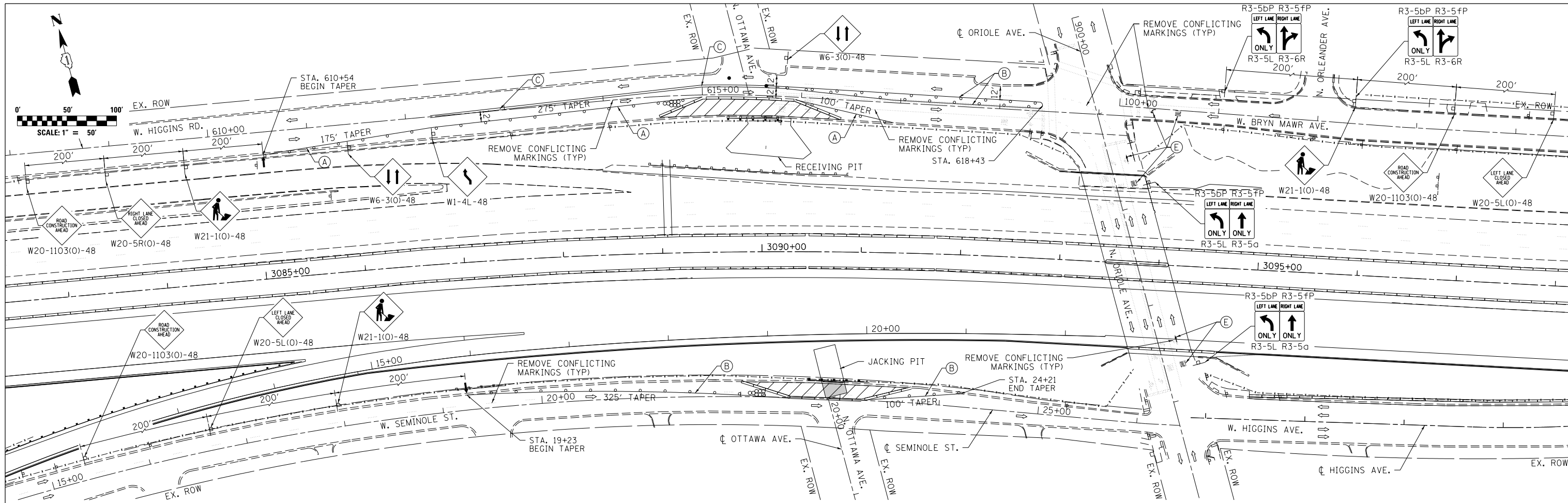
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	DRAWN MJK	REVISED -
PLOT SCALE = 1/80' / in.	CHECKED MAM	REVISED -
PLOT DATE = 6/6/2016	DATE 5/6/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**WATER MAIN RELOCATION
LOCATION NO. 1
SUGGESTED MAINTENANCE OF TRAFFIC**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	(1517 & 1415) R-3	COOK	557	197
CONTRACT NO. 60Y38				
ILLINOIS FED. AID PROJECT				

SCALE: 1:50 SHEET NO. 1 OF 2 SHEETS STA. TO STA.



- TRAFFIC STAGING:**
- ELIMINATE PARKING ALONG W. HIGGINS RD. AND W. SEMINOLE ST. CONTACT CITY OF CHICAGO TO COORDINATE.
 - INSTALL ALL PAVEMENT MARKING, DRUMS, BARRICADES, AND SIGNING AS SHOWN. REMOVE CONFLICTING PAVEMENT MARKINGS AND COVER CONFLICTING SIGNS.
 - JACK WATER MAIN CASING AND PIPE UNDER I-90 AND CONSTRUCT RISER SHAFTS.
 - RESTORE PAVEMENT AND PAVEMENT MARKINGS TO SATISFACTION OF ENGINEER.
 - REMOVE TEMPORARY MARKINGS AND SIGNS.
 - COMPLETE WATER MAIN CONNECTIONS TO EXISTING MAINS USING SHORT TERM LANE CLOSURES ON WEEKENDS USING APPLICABLE IDOT STANDARDS AS DIRECTED BY THE ENGINEER.

- GENERAL NOTES:**
- THIS SHEET SHOWS SUGGESTED MAINTENANCE OF TRAFFIC PLAN FOR WATER MAIN PIPE JACKING WORK ONLY. FOR ALL OTHER MAINTENANCE OF TRAFFIC PLANS, SEE MAINLINE SUGGESTED STAGING AND TRAFFIC CONTROL SHEETS.
 - WET REFLECTIVE TEMPORARY TAPE TYPE III IS CURRENTLY CALLED OUT ON ALL STAGING PLANS FOR TEMPORARY PAVEMENT MARKINGS. CONTRACTOR HAS THE OPTION TO ALSO USE EPOXY OR POLYUREA AS TEMPORARY PAVEMENT MARKINGS. EPOXY OR POLYUREA PAVEMENT MARKING, IF USED, SHALL BE ACCORDING TO ARTICLE 1095.04 AND 1095.08 RESPECTIVELY OF THE STANDARD SPECIFICATION. EPOXY AND POLYUREA WILL NOT BE PAID SEPARATELY BUT WILL BE INCLUDED IN CONTRACT UNIT PRICE FOR WET REFLECTIVE TEMPORARY TAPE TYPE III OF VARIOUS THICKNESS. WET REFLECTIVE TEMPORARY TYPE III SHALL BE APPLIED ON THE FINAL WEARING SURFACE OR ON THE EXISTING PAVEMENT TO REMAIN.

- WORK ZONE
- PAVEMENT RESTORATION
- CONCRETE BARRIER
- EXISTING PAVEMENT MARKING
- DRUM OR TYPE I BARRICADE W/ FLASHING AMBER LIGHT @ 20' C-C
- TYPE III BARRICADE
- ARROW BOARD
- IMPACT ATTENUATOR TEST LEVEL 2
- TRAFFIC DIRECTION
- TEMPORARY TRAFFIC SIGN
- WET REF TEM TAPE T3:
- (A) - 4 INCH (WHITE)
- (B) - 4 INCH (YELLOW)
- (C) - 4 INCH (DOUBLE YELLOW)
- (D) - 24 INCH (WHITE)
- (E) - LETTERS AND SYMBOLS



USER NAME = mksrby	DESIGNED MJK	REVISED -
	DRAWN MJK	REVISED -
PLOT SCALE = 1:2000' / 1"	CHECKED MAM	REVISED -
PLOT DATE = 6/6/2016	DATE 5/6/2016	REVISED -

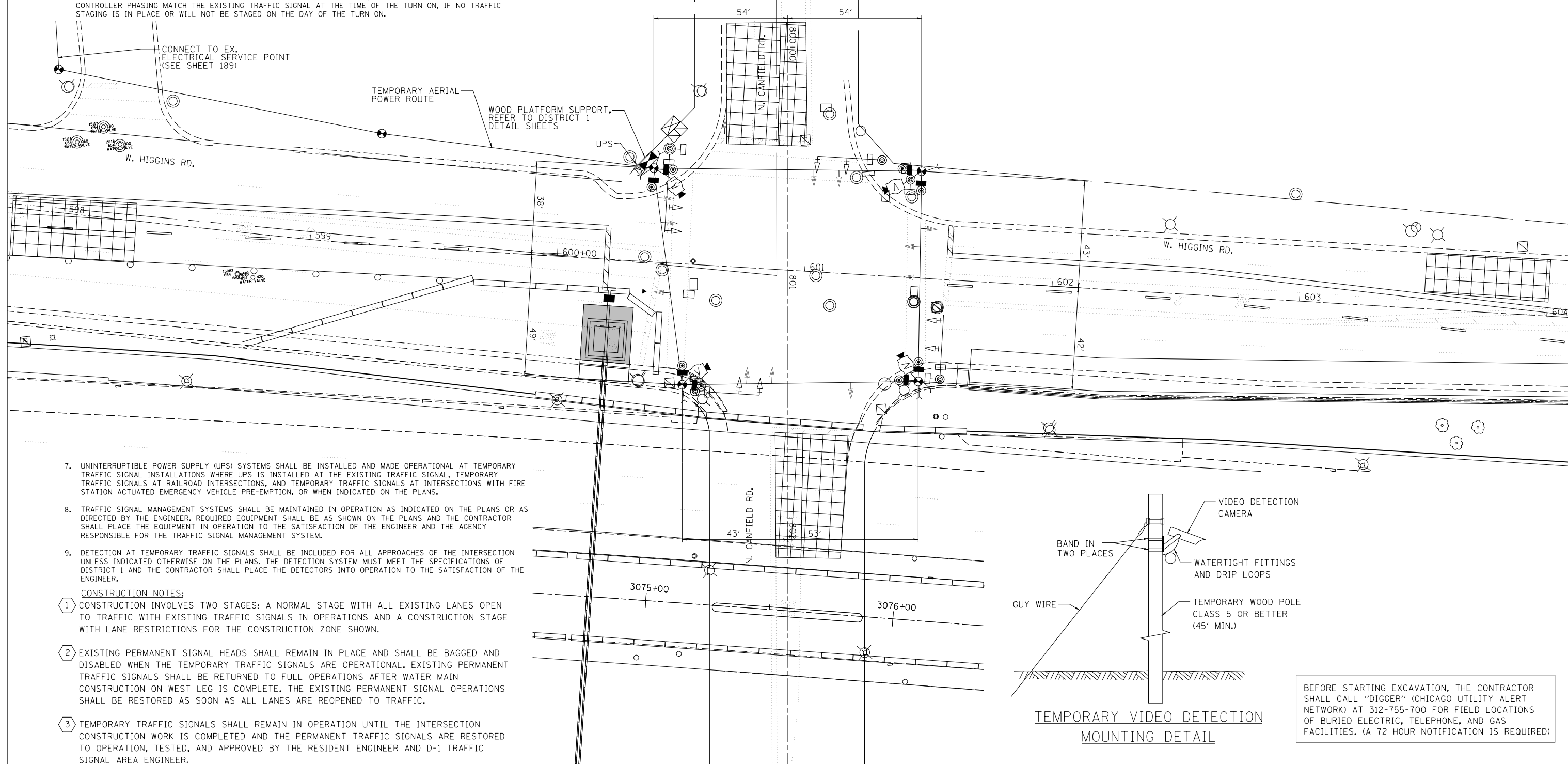
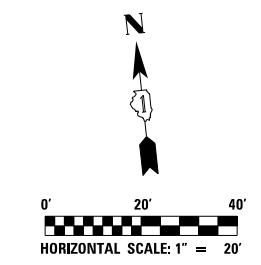
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

WATER MAIN RELOCATION LOCATION NO. 2 SUGGESTED MAINTENANCE OF TRAFFIC			
SCALE: 1:20	SHEET NO. 2 OF 2 SHEETS	STA.	TO STA.

F.A.I. RTE. 90	SECTION (1517 & 1415) R-3	COUNTY COOK	TOTAL SHEETS 557	SHEET NO. 198
CONTRACT NO. 60Y38				ILLINOIS FED. AID PROJECT

NOTES FOR TEMPORARY TRAFFIC SIGNALS

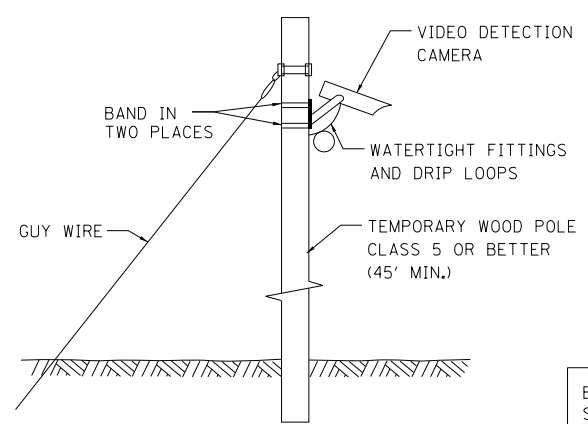
1. ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PREEMPTION AND COMMUNICATIONS DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL SHALL BE FURNISHED BY THE CONTRACTOR.
2. ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED-LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1, INSTALLED IN A NEMA TS1 OR TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
3. ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE LED AND 12" (300mm). HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. PEDESTRIAN SIGNALS SHALL INCLUDE SOLID INTERNATIONAL SYMBOLS. PEDESTRIAN SIGNALS WITH COUNTDOWN TIMERS SHALL BE USED WHEN THE EXISTING INSTALLATION UTILIZES COUNTDOWN TYPE OR AS DIRECTED BY THE ENGINEER. COUNTDOWN TYPE PEDESTRIAN SIGNALS ARE NOT TO BE INSTALLED AT A RAILROAD INTERSECTION. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
4. ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED-LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
5. THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL AT THE TIME OF THE TURN ON, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.



7. UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEMS SHALL BE INSTALLED AND MADE OPERATIONAL AT TEMPORARY TRAFFIC SIGNAL INSTALLATIONS WHERE UPS IS INSTALLED AT THE EXISTING TRAFFIC SIGNAL, TEMPORARY TRAFFIC SIGNALS AT RAILROAD INTERSECTIONS, AND TEMPORARY TRAFFIC SIGNALS AT INTERSECTIONS WITH FIRE STATION ACTUATED EMERGENCY VEHICLE PRE-EMPTION, OR WHEN INDICATED ON THE PLANS.
8. TRAFFIC SIGNAL MANAGEMENT SYSTEMS SHALL BE MAINTAINED IN OPERATION AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. REQUIRED EQUIPMENT SHALL BE AS SHOWN ON THE PLANS AND THE CONTRACTOR SHALL PLACE THE EQUIPMENT IN OPERATION TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE TRAFFIC SIGNAL MANAGEMENT SYSTEM.
9. DETECTION AT TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED FOR ALL APPROACHES OF THE INTERSECTION UNLESS INDICATED OTHERWISE ON THE PLANS. THE DETECTION SYSTEM MUST MEET THE SPECIFICATIONS OF DISTRICT 1 AND THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION TO THE SATISFACTION OF THE ENGINEER.

CONSTRUCTION NOTES:

- 1 CONSTRUCTION INVOLVES TWO STAGES: A NORMAL STAGE WITH ALL EXISTING LANES OPEN TO TRAFFIC WITH EXISTING TRAFFIC SIGNALS IN OPERATIONS AND A CONSTRUCTION STAGE WITH LANE RESTRICTIONS FOR THE CONSTRUCTION ZONE SHOWN.
- 2 EXISTING PERMANENT SIGNAL HEADS SHALL REMAIN IN PLACE AND SHALL BE BAGGED AND DISABLED WHEN THE TEMPORARY TRAFFIC SIGNALS ARE OPERATIONAL. EXISTING PERMANENT TRAFFIC SIGNALS SHALL BE RETURNED TO FULL OPERATIONS AFTER WATER MAIN CONSTRUCTION ON WEST LEG IS COMPLETE. THE EXISTING PERMANENT SIGNAL OPERATIONS SHALL BE RESTORED AS SOON AS ALL LANES ARE REOPENED TO TRAFFIC.
- 3 TEMPORARY TRAFFIC SIGNALS SHALL REMAIN IN OPERATION UNTIL THE INTERSECTION CONSTRUCTION WORK IS COMPLETED AND THE PERMANENT TRAFFIC SIGNALS ARE RESTORED TO OPERATION, TESTED, AND APPROVED BY THE RESIDENT ENGINEER AND D-1 TRAFFIC SIGNAL AREA ENGINEER.



BEFORE STARTING EXCAVATION, THE CONTRACTOR SHALL CALL "DIGGER" (CHICAGO UTILITY ALERT NETWORK) AT 312-755-700 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS FACILITIES. (A 72 HOUR NOTIFICATION IS REQUIRED)



USER NAME = jblakley	DESIGNED APR	REVISED -
	DRAWN APR	REVISED -
PLOT SCALE = 1.00' / in.	CHECKED MAM	REVISED -
PLOT DATE = 6/8/2016	DATE 5/6/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION
INTERSECTION**

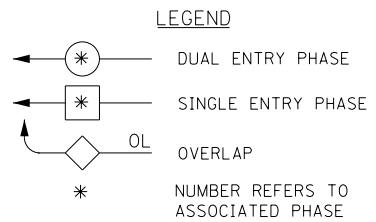
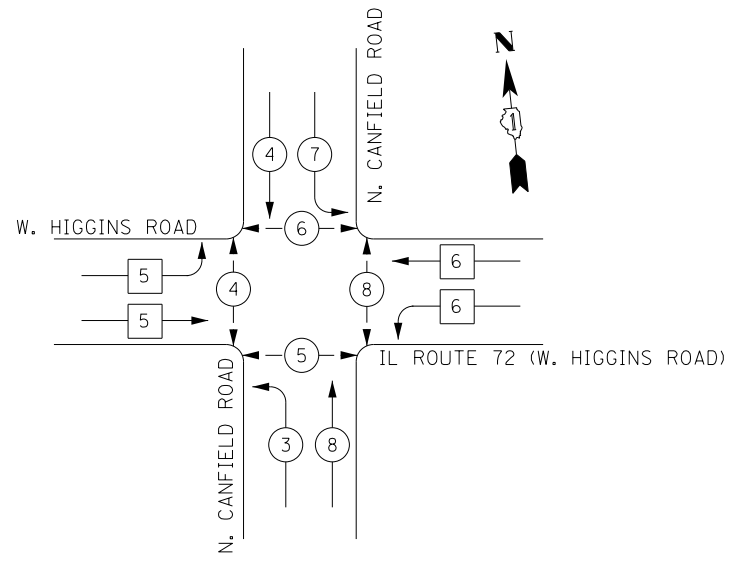
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	(1517 & 1415) R-3	COOK	557	199
CONTRACT NO. 60Y38				

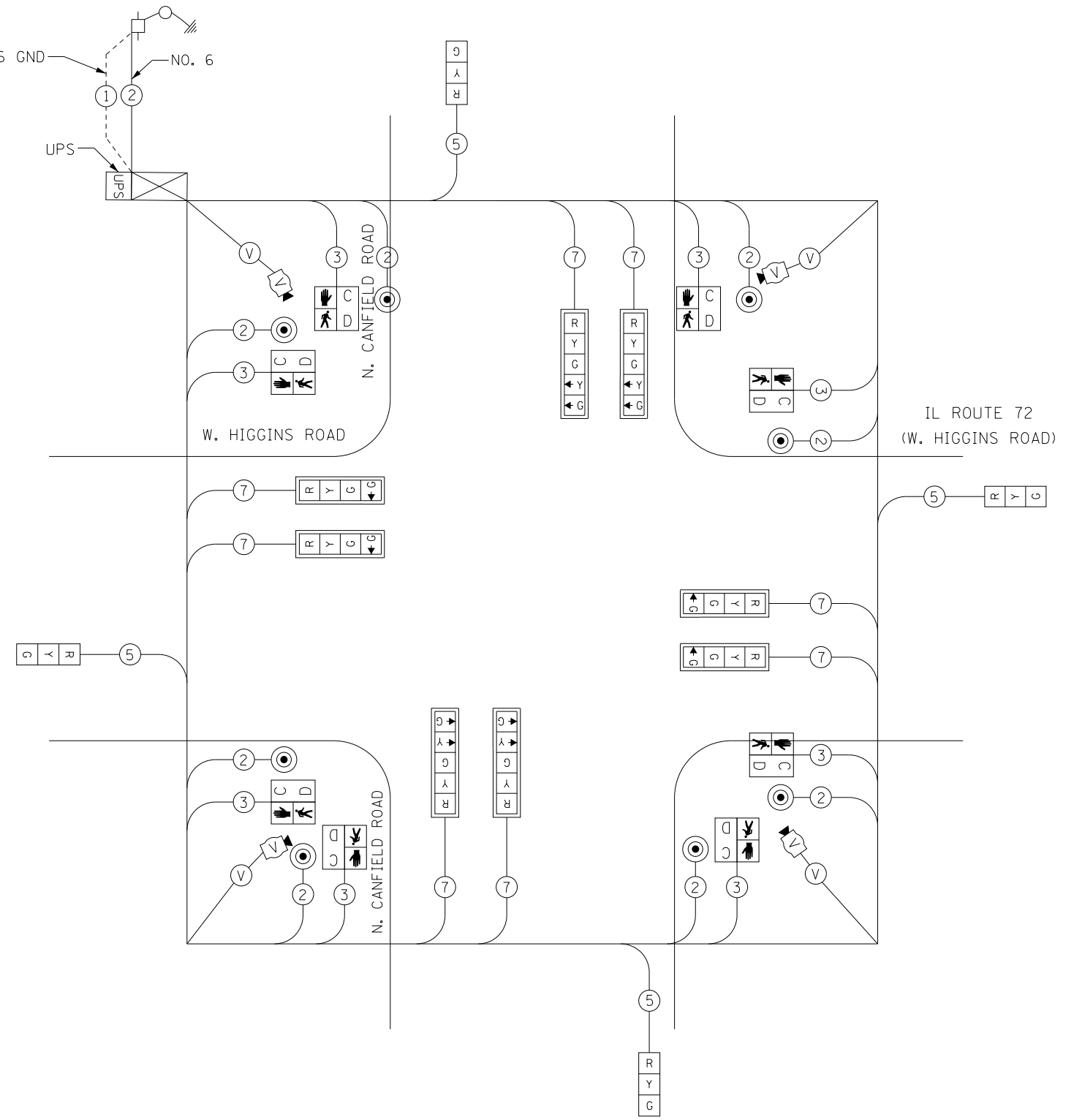
ILLINOIS FED. AID PROJECT



TEMPORARY CONTROLLER SEQUENCE
SUB-STAGE C



TEMPORARY PHASE DESIGNATION DIAGRAM



TEMPORARY CABLE PLAN

- NOTES:**
- EXISTING SIGNALS THAT ARE STILL IN PLACE WILL BE BAGGED AND DISABLED WHEN THE TEMPORARY SIGNALS ARE IN OPERATION.

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	LED	%OPERATION	
SIGNAL (RED)	12	17		0.50	102
(YELLOW)	12	25		0.25	75
(GREEN)	12	15		0.25	45
ARROW	12	12		0.10	14.4
PED. SIGNAL	8	25		1.00	200
CONTROLLER	1	100		1.00	100
ILLUM. SIGN	-	25		0.05	0
FLASHER				0.50	
ENERGY COSTS TO: TOTAL =					536.4

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAY/DISTRICT 1
201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096
ENERGY SUPPLY CONTACT: BETTY BRULC
PHONE: (815) 724-5052
COMPANY: COMED



USER NAME = jblakley	DESIGNED APR	REVISED -
	DRAWN APR	REVISED -
PLOT SCALE = 1/80' / in.	CHECKED MAM	REVISED -
PLOT DATE = 6/8/2016	DATE 5/6/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN AND TEMPORARY
PHASE DESIGNATION DIAGRAM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	(1517 & 1415) R-3	COOK	557	200
CONTRACT NO. 60Y38				
ILLINOIS FED. AID PROJECT				

SCALE: N.T.S. SHEET NO. 2 OF 4 SHEETS STA. TO STA.