

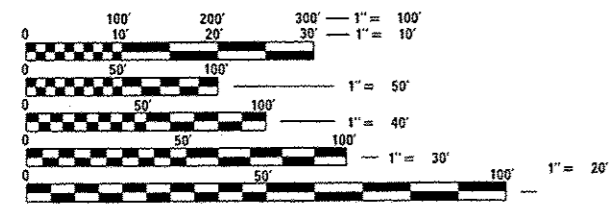
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PROPOSED
HIGHWAY PLANS
FAI 290 /IL 110 (EISENHOWER EXPWY.)
US 12 /20 /45 (MANNHEIM RD.) TO CENTRAL AVE.
SECTION 2014-081T
DRAINAGE IMPROVEMENTS; STORM SEWER REPAIRS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2014-081T	COOK	33	1
		ILLINOIS	CONTRACT NO. 62A31	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

IMPROVEMENT IS LOCATED IN THE VILLAGE OF OAK PARK, VILLAGE OF FOREST PARK, VILLAGE OF MAYWOOD, VILLAGE OF BROADVIEW, VILLAGE OF BELLWOOD, VILLAGE OF WESTCHESTER AND CITY OF CHICAGO

TRAFFIC DATA
 ADT (2013) = 199,400
 POSTED SPEED LIMIT = 55 MPH



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
 JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
 1-800-892-0123
 OR 811

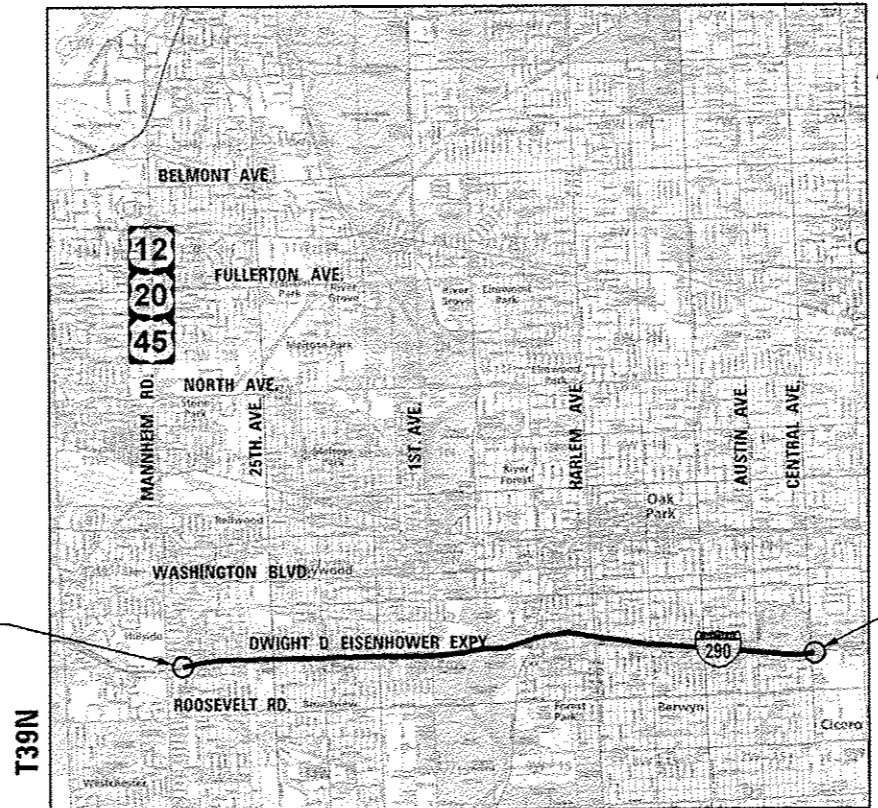
PROJECT ENGINEER: MR. ROBERT BORO, P.E. (847) 705-4237
 PROJECT MANAGER: MR. ISSAM RAYYAN, P.E. (847) 705-4178

CONTRACT NO. 62A31

COOK COUNTY

C-91-129-15

3rd PM




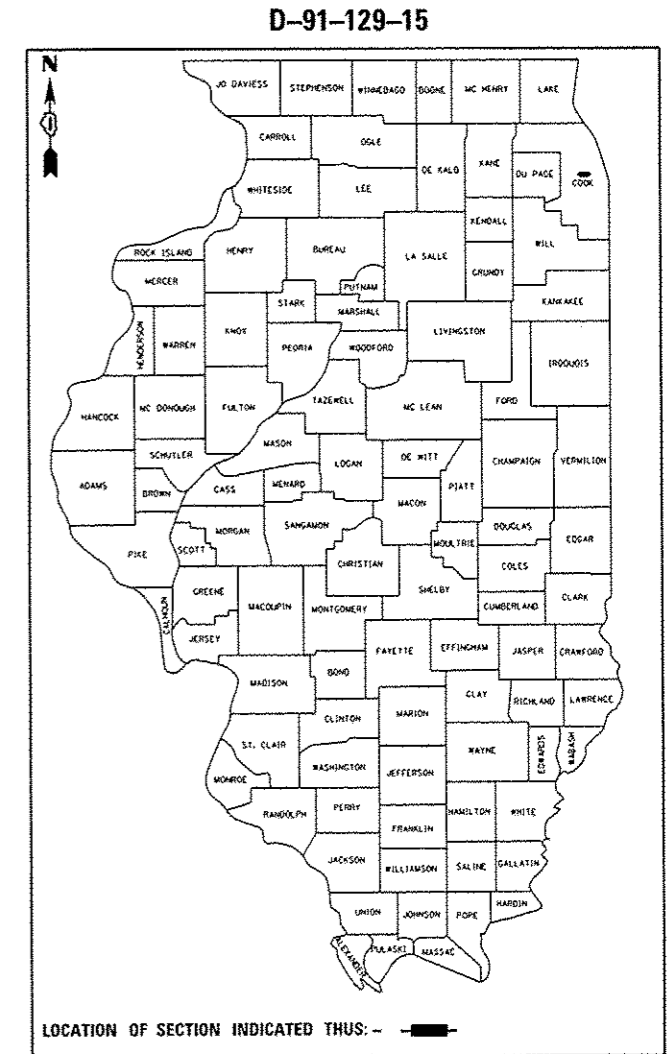
IMPROVEMENT BEGINS STA. 110+00

IMPROVEMENT ENDS STA. 436+00

R12E /R13E PROVISO AND OAK PARK TOWNSHIP

LOCATION MAP NOT TO SCALE
 GROSS LENGTH 6.2 MILES (32,600 FT)

 **Accurate**
 GROUP, INC.
 WWW.ACCGI.COM
 101 SCHELTER RD., SUITE B-200
 LINCOLNSHIRE, ILLINOIS 60069
 T (847) 613-1100 F (847) 613-1105
 ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184.002053



DATE SIGNED: 11/05/2014
 EXP. DATE: 11/30/2015

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED November 6, 2014

John F. ...
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

Jan 30 2015
John D. Baranzelli, P.E.
 ENGINEER OF DESIGN AND ENVIRONMENT

Jan 30 2015
Amor Osman, P.E.
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

**PRINTED BY THE AUTHORITY
 OF THE STATE OF ILLINOIS**

INDEX OF SHEETS

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32	BD-07 STORM SEWER CONNECTION TO EXISTING SEWER
33	TC-17 TRAFFIC CONTROL FOR SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES

GENERAL NOTES:

1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "U.U.L.I.E." AT (800) 892-0213 OR 811 FOR FIELD LOCATIONS OF BURIED UTILITIES. (48 HOUR NOTIFICATION IS REQUIRED.)
2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.
3. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
4. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
5. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
6. THE COST OF CONNECTING EXISTING STORM SEWERS TO THE PROPOSED DRAINAGE SYSTEM AND/OR CONNECTING PROPOSED STORM SEWER TO EXISTING STRUCTURES SHALL BE CONSIDERED INCLUDED IN THE COST OF THE PROPOSED STORM SEWER. ALL NECESSARY ADDITIONAL PIPE USED WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR STORM SEWER OF THE SIZE REQUIRED.

7. THE DEPARTMENT HAS NOT OBTAINED ANY PERMITS FOR OFF SITE BORROW, WASTE, USE (BWU) AREAS. PRIOR TO WORKING IN BWU AREAS, IF THE CONTRACTOR CHOOSES TO USE ACTIVITIES REQUIRING PERMITS, IT IS THE CONTRACTOR'S RESPONSIBILITY TO SECURE THE PROPER PERMITS. IN ADDITION TO THE BORROW REVIEW (BDE 2289) AND USE/WASTE REVIEW (BDE 2290) SUBMITTALS, THE CONTRACTOR SHALL SUBMIT AN EROSION AND SEDIMENT CONTROL (ESC) PLAN FOR EVERY BWU SITE TO THE DEPARTMENT FOR ACCEPTANCE. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT ESC PLANS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

STATE HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
602001-02	CATCH BASIN TYPE A
602401-03	MANHOLE TYPE A
602701-02	MANHOLE STEPS
604106-01	MEDIAN INLET FOR 36" REINFORCED CONCRETE PIPE
701101-04	OFF-RD OPERATIONS, MULTILANE, 15' TO 24' FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' AWAY
701901-04	TRAFFIC CONTROL DEVICES

8. THE CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS FOR THE PROTECTION OF EXISTING PLANT MATERIAL FOR WHICH THE CONTRACT DOES NOT PROVIDE REMOVAL. THE PROTECTION OF EXISTING PLANT MATERIAL AND THE REPAIR OR REPLACEMENT OF THE EXISTING PLANT MATERIAL DAMAGED BY THE CONTRACTOR SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 201 OF THE STANDARD SPECIFICATIONS.
9. 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.
10. NO PLANT MATERIAL IS TO BE INSTALLED ON SITE WITHOUT APPROPRIATE IDOT ORANGE PLANT SEAL.
11. CONTACT THE ROADSIDE DEVELOPMENT UNIT AT 847-705-4171 AT LEAST 72 HOURS PRIOR TO DATE OF INSTALLATION FOR LAYOUT OF LANDSCAPE WORK INCLUDING PRUNING, TREE REMOVAL, PLANTING TREES, AND SEEDING.
12. APPROVED WATERING EQUIPMENT SHALL BE AT THE SITE OF THE WORK AND IN OPERATION CONDITION PRIOR TO STARTING THE PLANTING OPERATION AND DURING ALL PLANTING OPERATIONS OR PLANTING WILL NOT BE ALLOWED.
13. ALL EXCAVATED MATERIALS WILL BE RE-USED ONSITE AS BACKFILL OR IN THE BERM IN THE 25TH AVE. INFIELD. SEE PLANS FOR LOCATION OF THE BERM IN THE 25TH AVE. INFIELD.
14. NO UTILITY CONFLICT ANTICIPATED AND THE CONTRACTOR SHOULD WORK AROUND THE EXISTING UTILITIES.

COMMITMENTS

NONE

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS, STATE HIGHWAY STANDARDS AND GENERAL NOTES
INTERSTATE 290 - US 12/20/45 TO CENTRAL AVENUE**

SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2014-081T	COOK	33	2
CONTRACT NO. 62A31				
ILLINOIS FED. AID PROJECT				

01/15/14

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	
				100% STATE	
				URBAN	ROADWAY
				0044	
				NONE	
55100900	STORM SEWER REMOVAL 18"	FOOT	42	42	
55101200	STORM SEWER REMOVAL 24"	FOOT	19	19	
60107700	PIPE UNDERDRAINS 6"	FOOT	48	48	
60202315	CATCH BASINS, TYPE A, 4'-DIAMETER, WITH MEDIAN INLET (604106)	EACH	16	16	
60205515	CATCH BASINS, TYPE A, 5'-DIAMETER, WITH MEDIAN INLET (604106)	EACH	1	1	
60238405	INLETS, TYPE A, WITH MEDIAN INLET (604106)	EACH	1	1	
60500050	REMOVING CATCH BASINS	EACH	17	17	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	4	4	
67100100	MOBILIZATION	L SUM	1	1	
X A2006514	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	10	10	
X A2006714	TREE, QUERCUS MACROCARPA (BUR OAK), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	10	10	
X K0036120	MULCH PLACEMENT 4"	SQ YD	100	100	
X X2502014	SEEDING, CLASS 4A (MODIFIED)	ACRE	0.25	0.25	
X2800520	ABOVE GRADE INLET FILTERS	EACH	18	18	

* SPECIALTY ITEM

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	
				100% STATE	
				URBAN	ROADWAY
				0044	
				NONE	
X5537700	STORM SEWERS TO BE CLEANED 10"	FOOT	340	340	
X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	2187	2187	
X5537900	STORM SEWERS TO BE CLEANED 15"	FOOT	318	318	
X5538000	STORM SEWERS TO BE CLEANED 18"	FOOT	309	309	
X5538200	STORM SEWERS TO BE CLEANED 24"	FOOT	119	119	
X6050700	REMOVE INLET BOX	EACH	1	1	
X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	1	1	
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	45	45	

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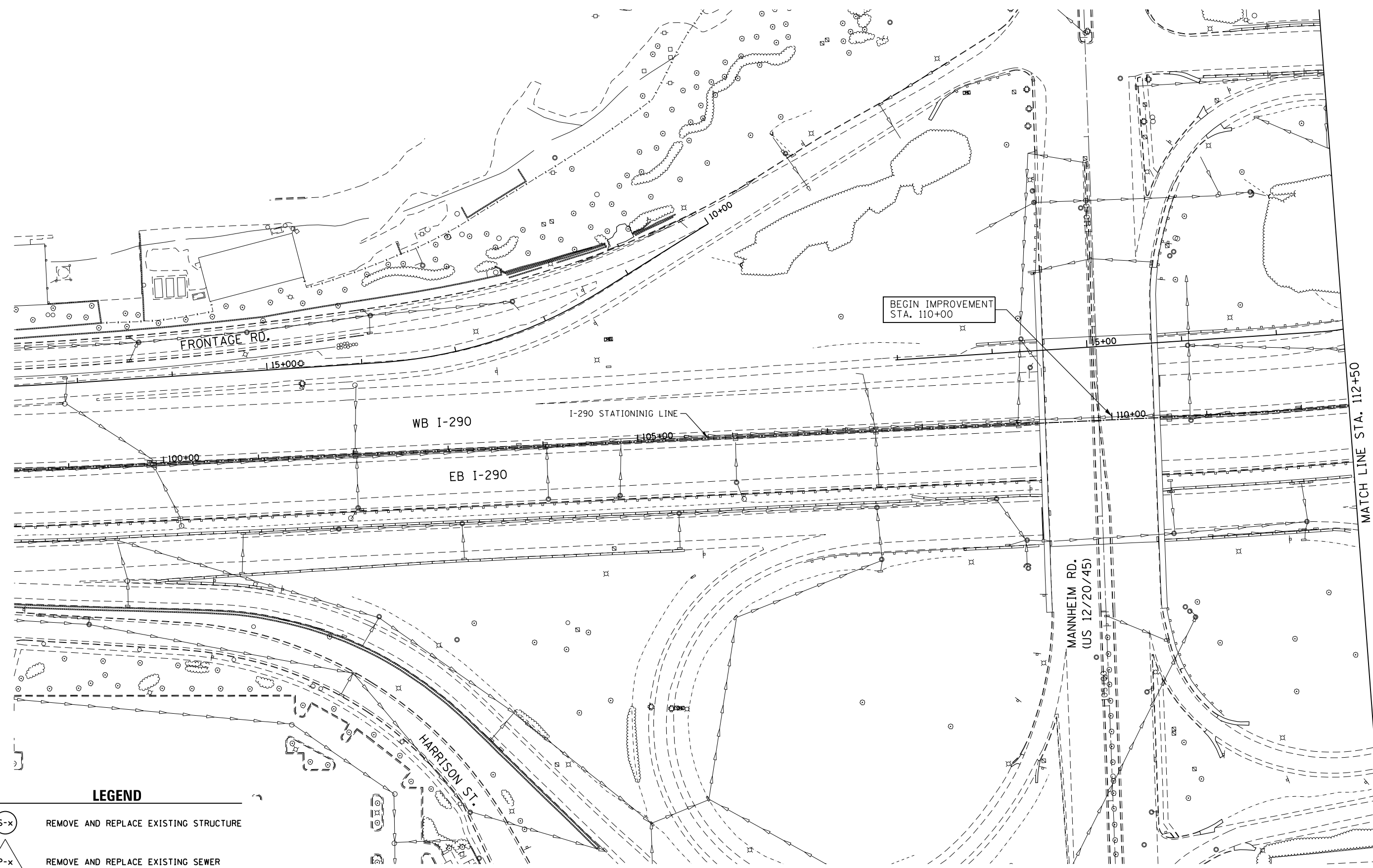


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


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
INTERSTATE 290 - US 12/20/45 TO CENTRAL AVENUE			
SCALE: N.T.S.	SHEET OF SHEETS	STA. TO STA.	

F.A.I. RATE: 290	SECTION: 2014-081T	COUNTY: COOK	TOTAL SHEETS: 33	SHEET NO.: 4
ILLINOIS FED. AID PROJECT				
CONTRACT NO. 62A31				



LEGEND

-  REMOVE AND REPLACE EXISTING STRUCTURE
-  REMOVE AND REPLACE EXISTING SEWER
-  CLEAN STRUCTURE

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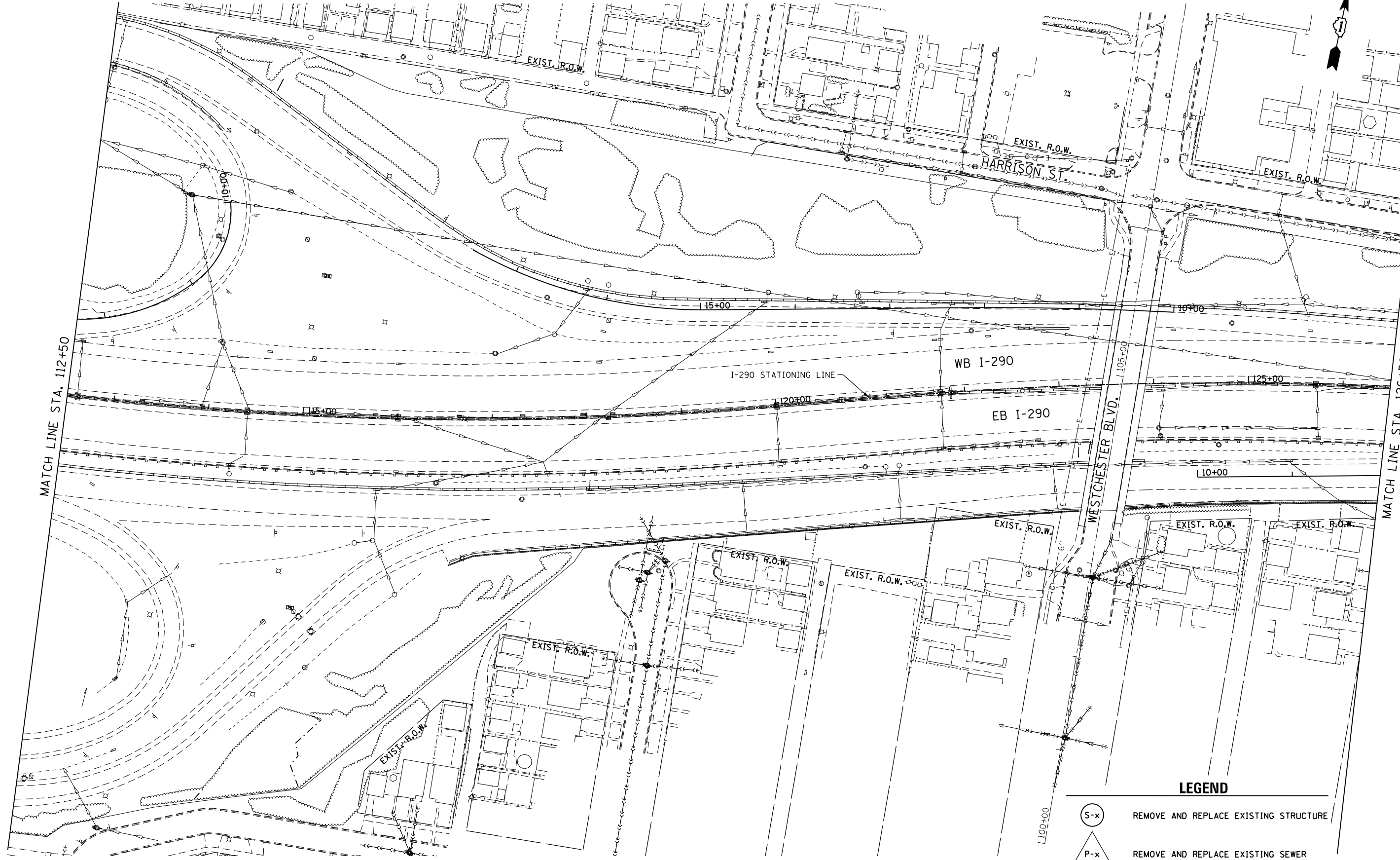


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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRAINAGE PLAN
INTERSTATE 290 - US 12/20/45 TO CENTRAL AVENUE
SCALE: 1" = 50' SHEET 1 OF 24 SHEETS STA. 98+50 TO STA. 112+50

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2014-081T	COOK	33	5
CONTRACT NO. 62A31				
ILLINOIS FED. AID PROJECT				



LEGEND

S-x	REMOVE AND REPLACE EXISTING STRUCTURE
P-x	REMOVE AND REPLACE EXISTING SEWER
C-x	CLEAN STRUCTURE

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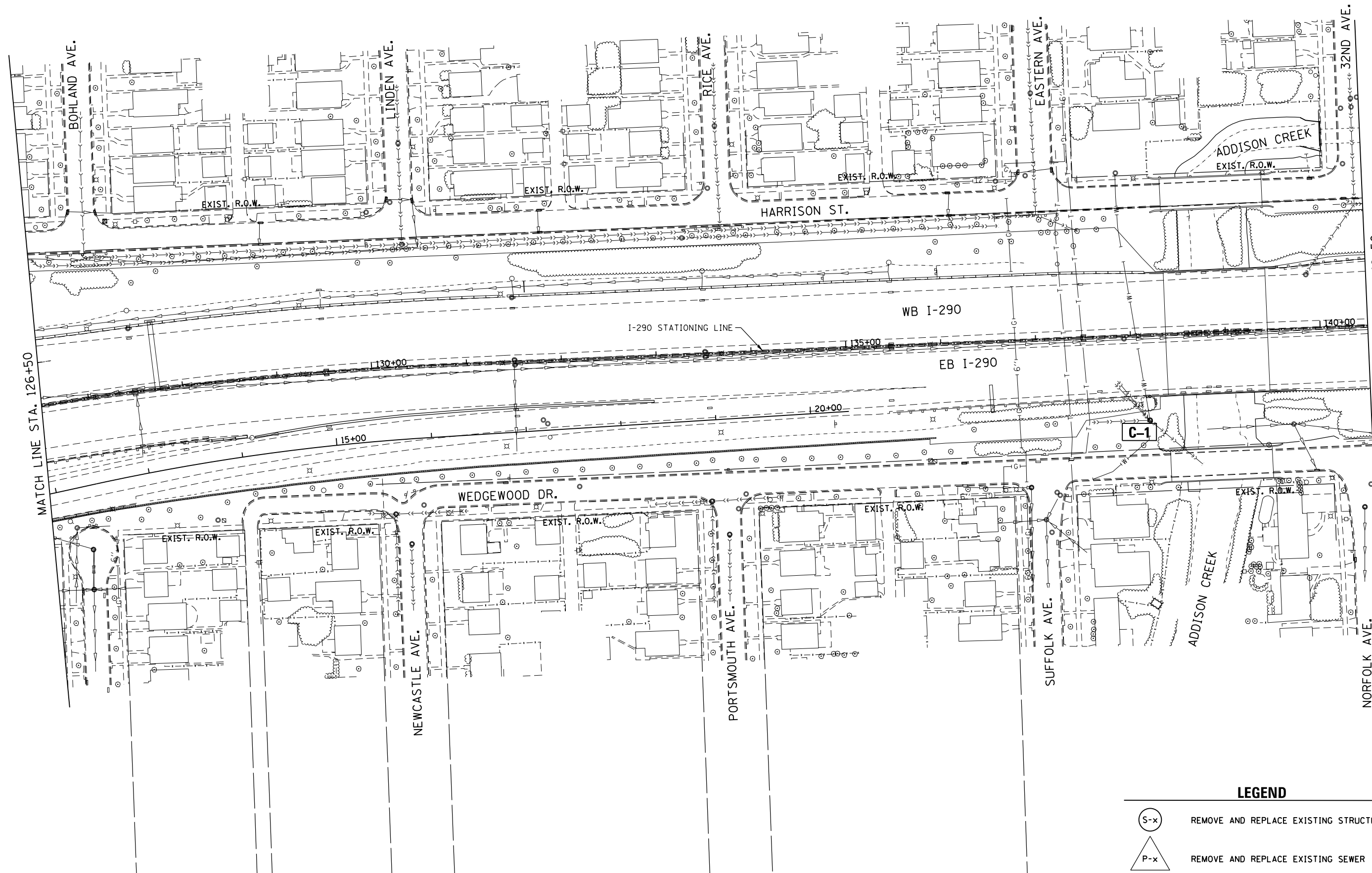


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
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRAINAGE PLAN
INTERSTATE 290 - US 12/20/45 TO CENTRAL AVENUE
SCALE: 1" = 50' SHEET 2 OF 24 SHEETS STA. 112+50 TO STA. 126+50

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2014-081T	COOK	33	6
CONTRACT NO. 62A31				
ILLINOIS FED. AID PROJECT				



LEGEND

-  REMOVE AND REPLACE EXISTING STRUCTURE
-  REMOVE AND REPLACE EXISTING SEWER
-  CLEAN STRUCTURE

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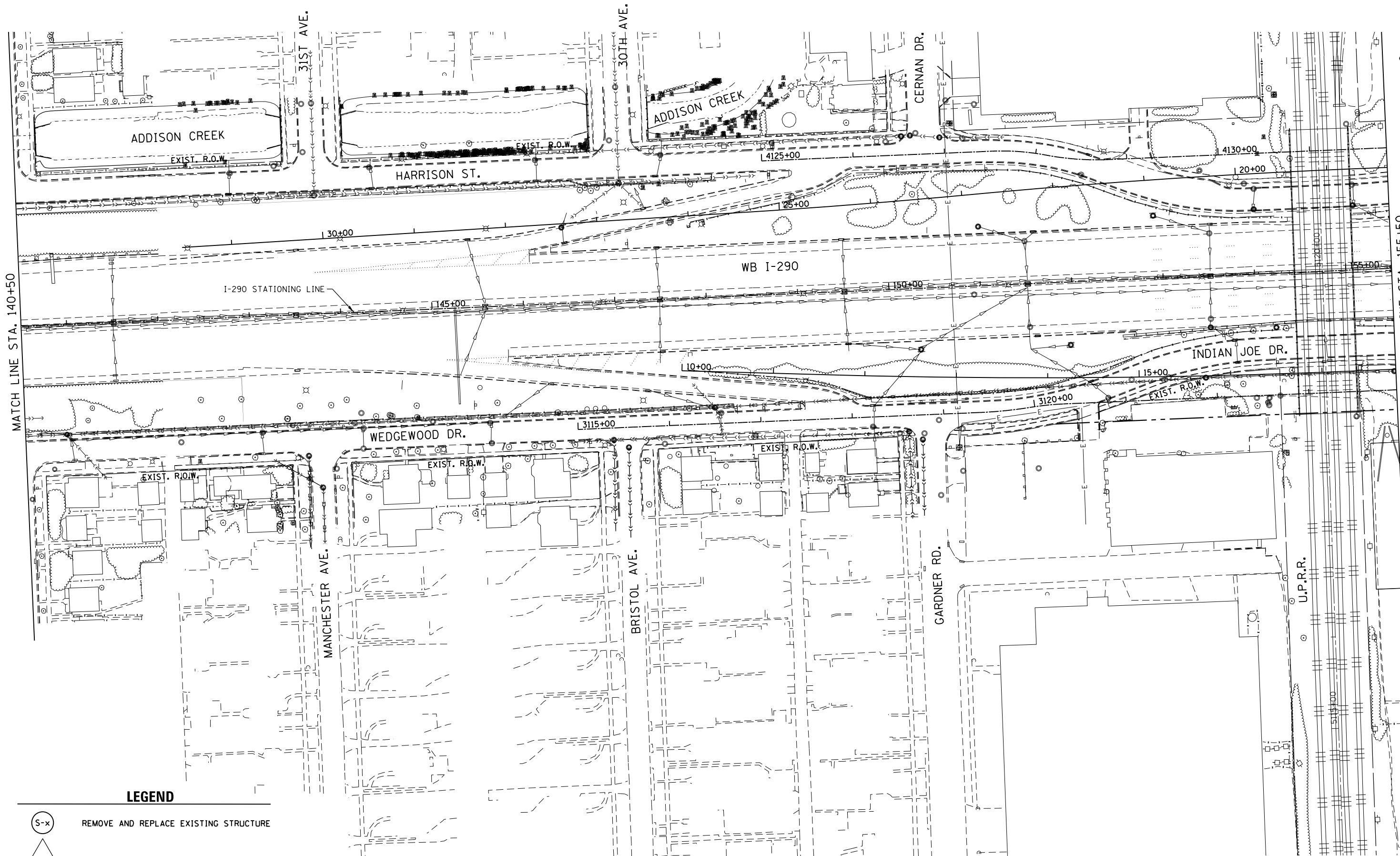


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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRAINAGE PLAN
INTERSTATE 290 - US 12/20/45 TO CENTRAL AVENUE
SCALE: 1" = 50' SHEET 3 OF 24 SHEETS STA. 126+50 TO STA. 140+50

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2014-081T	COOK	33	7
CONTRACT NO. 62A31				
ILLINOIS FED. AID PROJECT				



MATCH LINE STA. 140+50

MATCH LINE STA. 155+50

LEGEND

- S-x REMOVE AND REPLACE EXISTING STRUCTURE
- P-x REMOVE AND REPLACE EXISTING SEWER
- C-x CLEAN STRUCTURE

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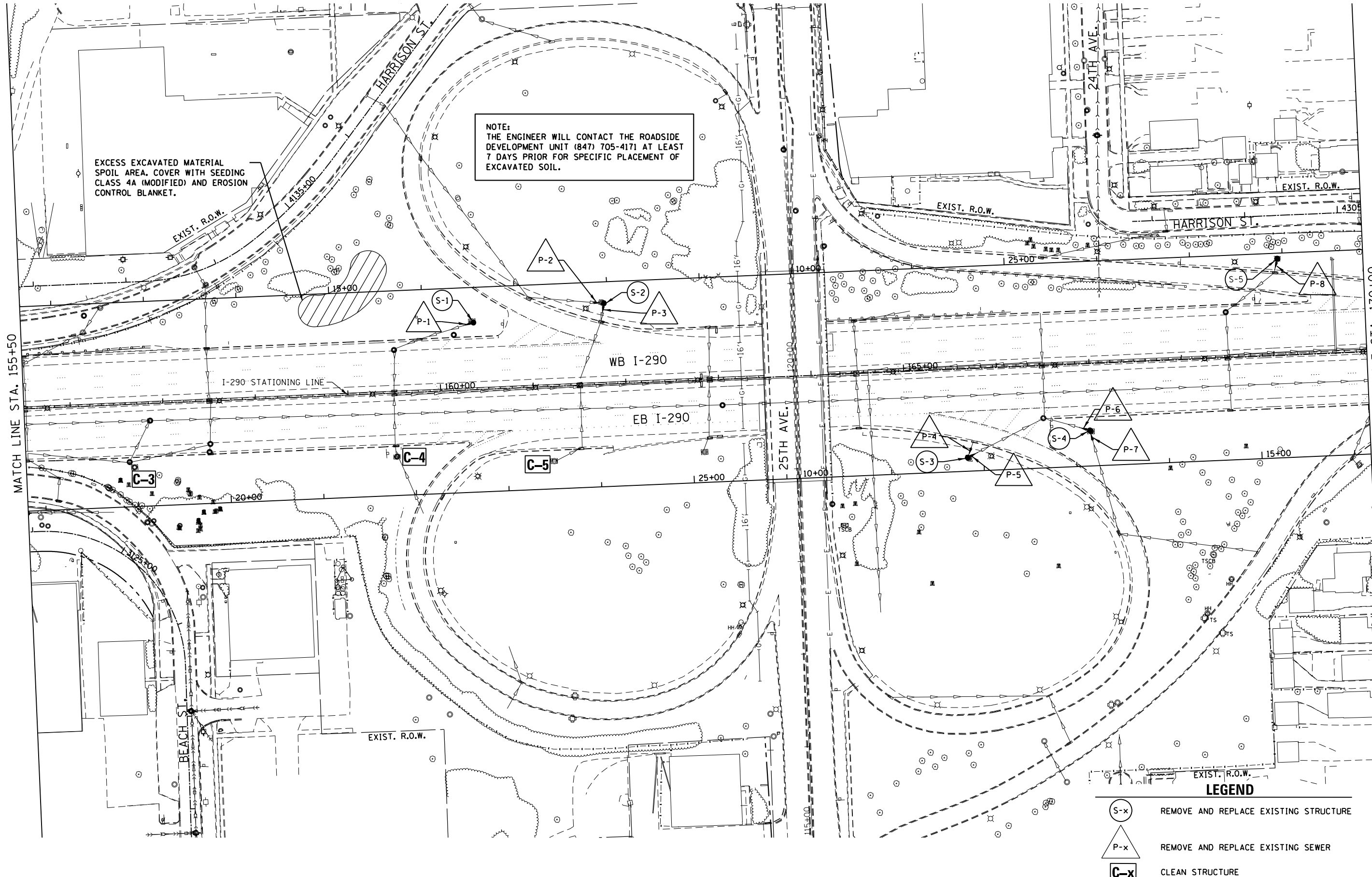
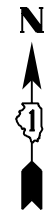
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	DATE - 11-05-2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRAINAGE PLAN
INTERSTATE 290 - US 12/20/45 TO CENTRAL AVENUE

SCALE: 1" = 50' SHEET 4 OF 24 SHEETS STA. 140+50 TO STA. 155+50

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2014-081T	COOK	33	8
CONTRACT NO. 62A31				
ILLINOIS FED. AID PROJECT				



NOTE:
THE ENGINEER WILL CONTACT THE ROADSIDE
DEVELOPMENT UNIT (847) 705-4171 AT LEAST
7 DAYS PRIOR FOR SPECIFIC PLACEMENT OF
EXCAVATED SOIL.

EXCESS EXCAVATED MATERIAL
SPOIL AREA. COVER WITH SEEDING
CLASS 4A (MODIFIED) AND EROSION
CONTROL BLANKET.

LEGEND

	REMOVE AND REPLACE EXISTING STRUCTURE
	REMOVE AND REPLACE EXISTING SEWER
	CLEAN STRUCTURE

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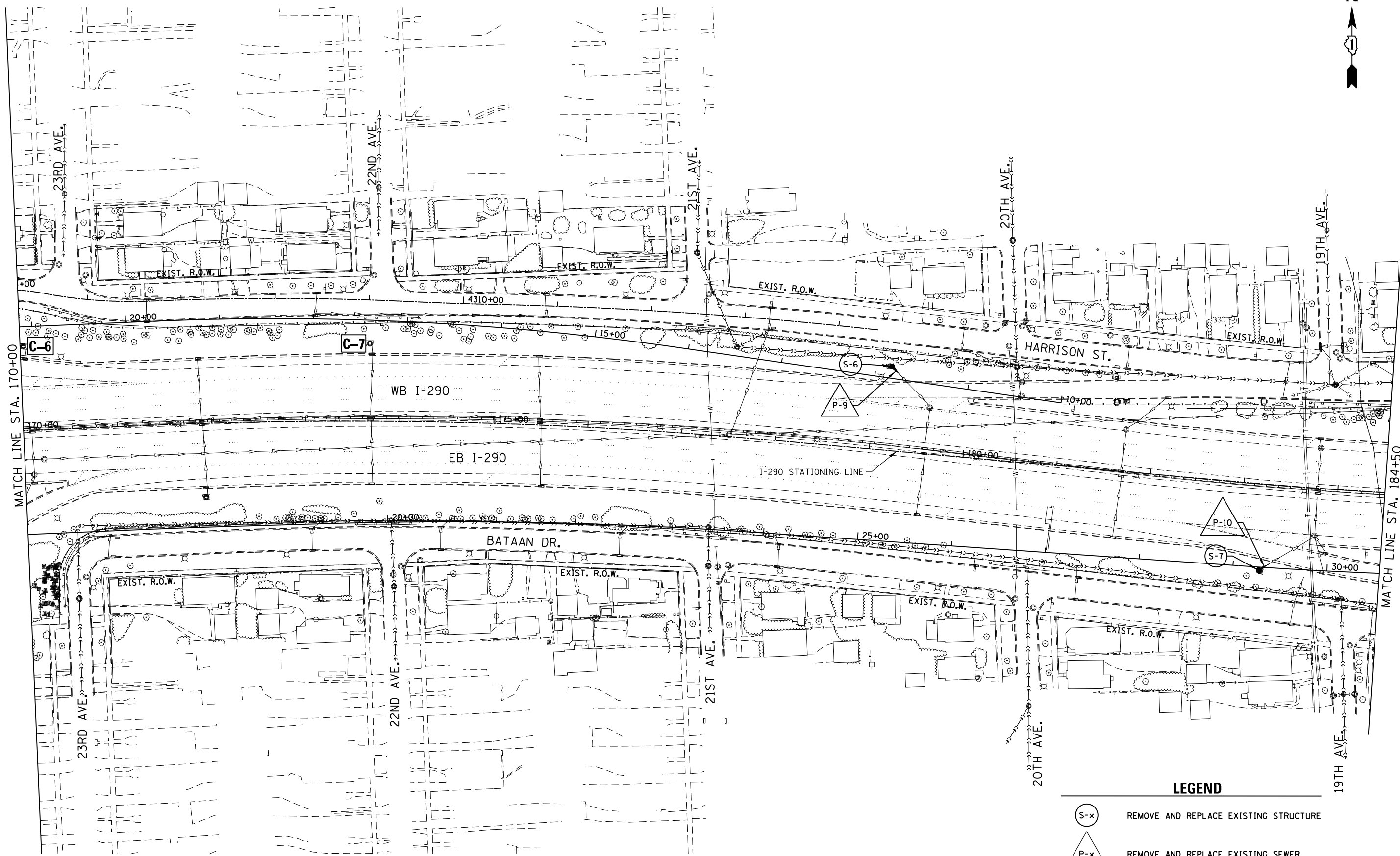


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


**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRAINAGE PLAN
INTERSTATE 290 - US 12/20/45 TO CENTRAL AVENUE
SCALE: 1" = 50' SHEET 5 OF 24 SHEETS STA. 155+50 TO STA. 170+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2014-081T	COOK	33	9
CONTRACT NO. 62A31				
ILLINOIS FED. AID PROJECT				



LEGEND

-  REMOVE AND REPLACE EXISTING STRUCTURE
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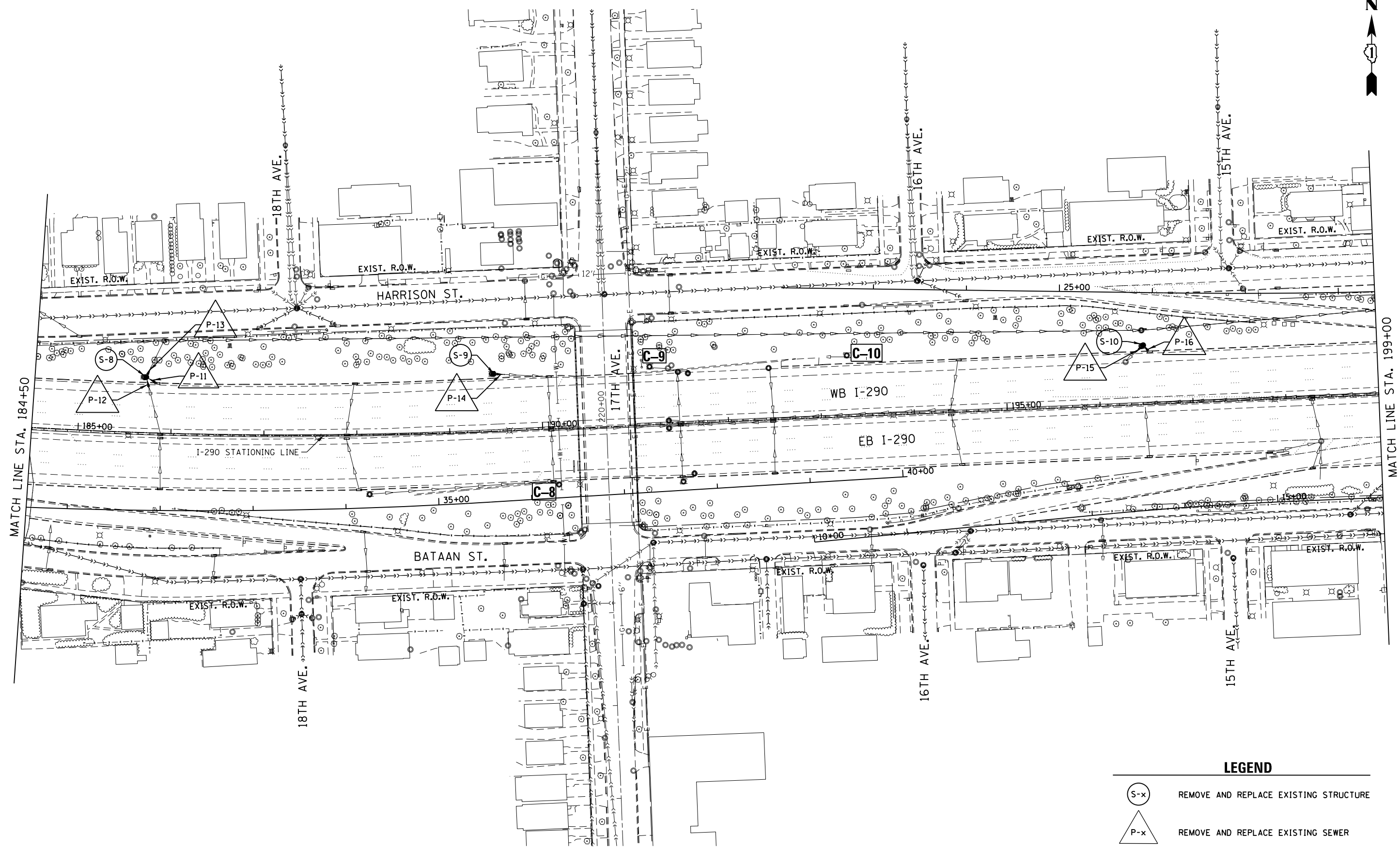


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

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRAINAGE PLAN
INTERSTATE 290 - US 12/20/45 TO CENTRAL AVENUE
SCALE: 1" = 50' SHEET 6 OF 24 SHEETS STA. 170+00 TO STA. 184+50

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2014-081T	COOK	33	10
CONTRACT NO. 62A31				
ILLINOIS FED. AID PROJECT				



LEGEND

-  REMOVE AND REPLACE EXISTING STRUCTURE
-  REMOVE AND REPLACE EXISTING SEWER
-  CLEAN STRUCTURE

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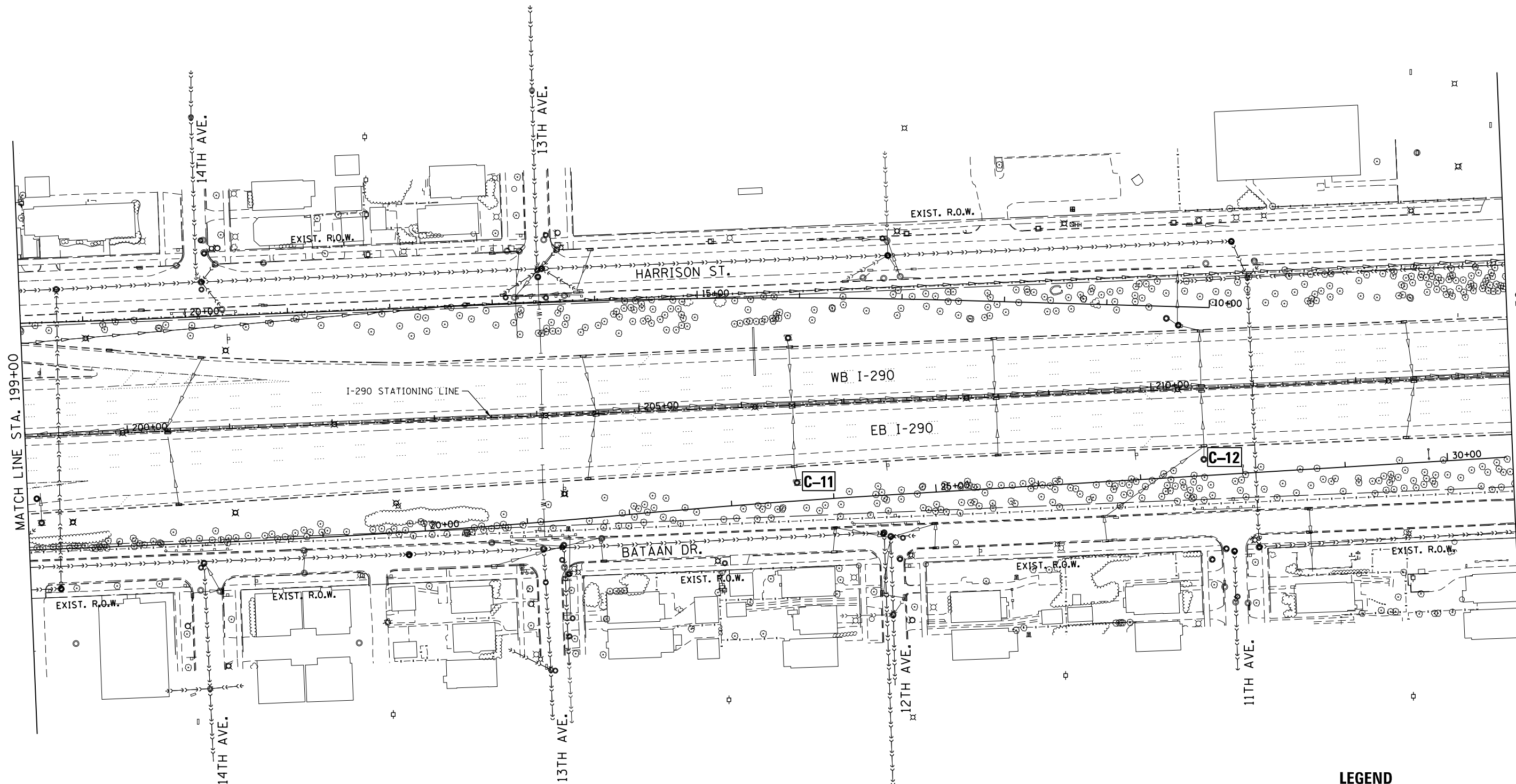


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

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRAINAGE PLAN
INTERSTATE 290 - US 12/20/45 TO CENTRAL AVENUE
SCALE: 1" = 50' SHEET 7 OF 24 SHEETS STA. 184+50 TO STA. 199+00

F.A.I R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2014-081T	COOK	33	11
CONTRACT NO. 62A31				
ILLINOIS FED. AID PROJECT				



LEGEND

-  REMOVE AND REPLACE EXISTING STRUCTURE
-  REMOVE AND REPLACE EXISTING SEWER
-  CLEAN STRUCTURE

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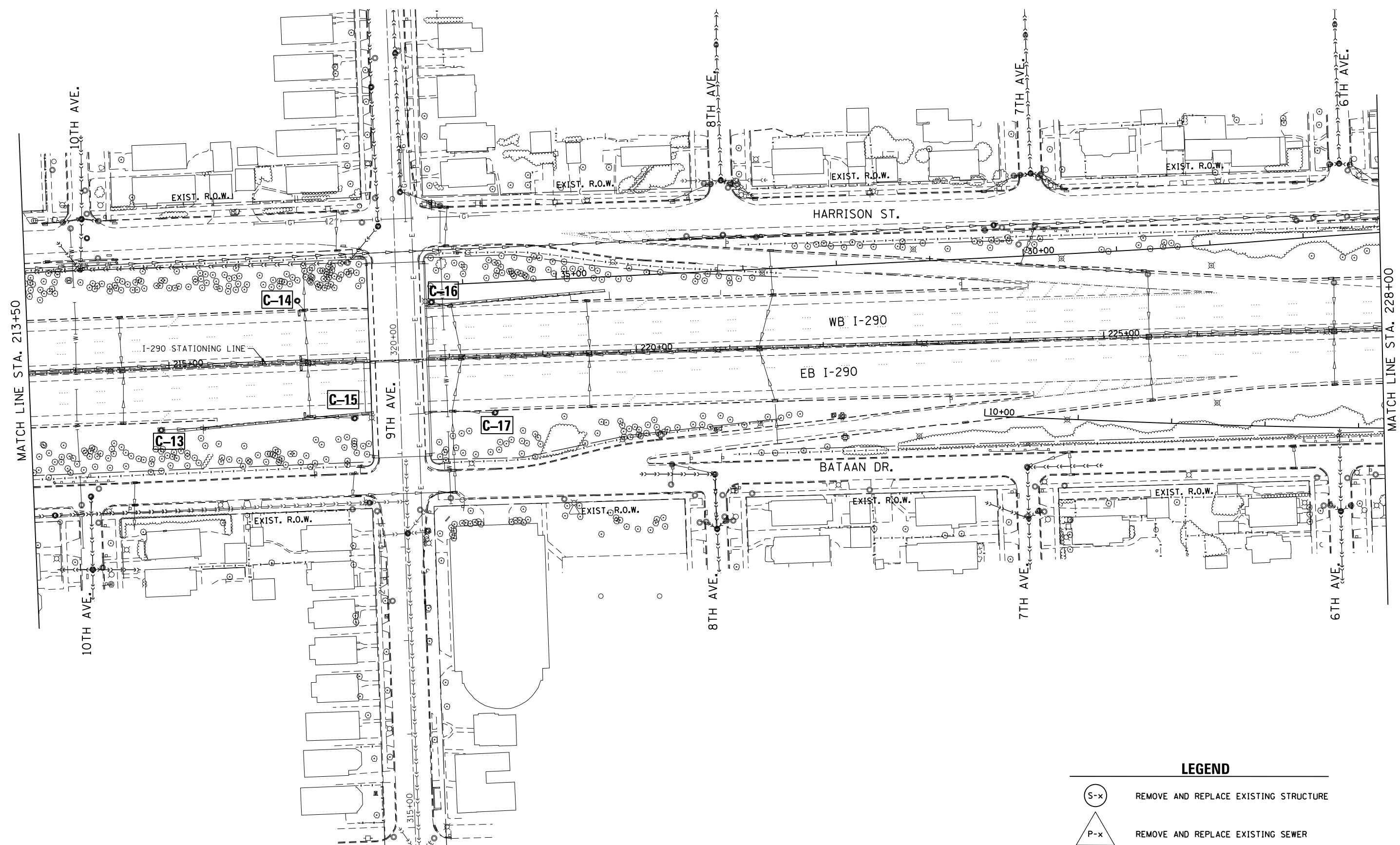


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PLOT DATE = 11/4/2014	DATE - 11-05-2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRAINAGE PLAN
INTERSTATE 290 - US 12/20/45 TO CENTRAL AVENUE
SCALE: 1" = 50' SHEET 8 OF 24 SHEETS STA. 199+00 TO STA. 213+50




F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2014-081T	COOK	33	12
CONTRACT NO. 62A31				
ILLINOIS FED. AID PROJECT				



MATCH LINE STA. 213+50

MATCH LINE STA. 228+00

LEGEND

-  REMOVE AND REPLACE EXISTING STRUCTURE
-  REMOVE AND REPLACE EXISTING SEWER
-  CLEAN STRUCTURE

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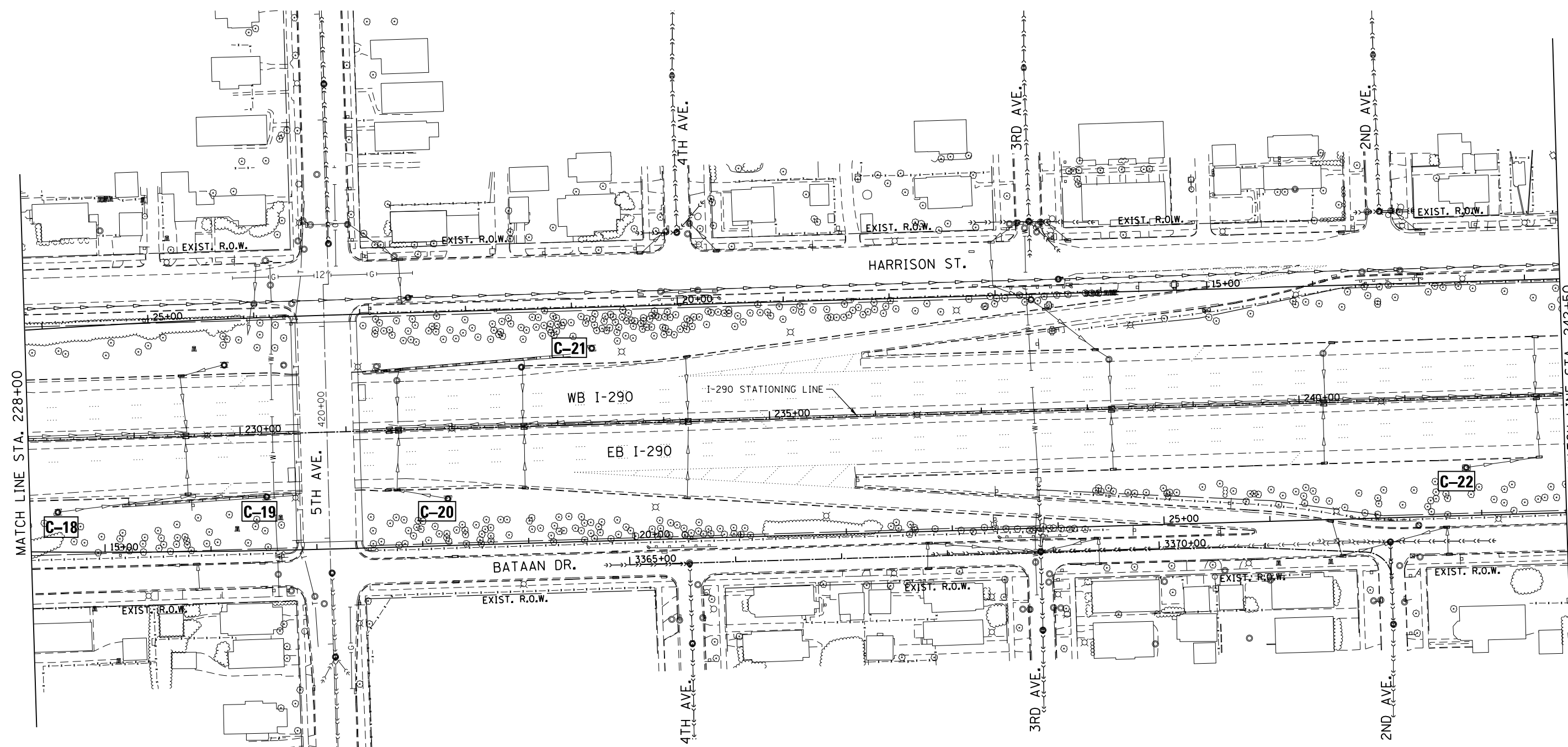


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PLOT SCALE = 100.0000' / 1"	DRAWN - CC	REVISED -
PLOT DATE = 11/4/2014	CHECKED - TGM	REVISED -
	DATE - 11-05-2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRAINAGE PLAN
INTERSTATE 290 - US 12/20/45 TO CENTRAL AVENUE
SCALE: 1" = 50' SHEET 9 OF 24 SHEETS STA. 213+50 TO STA. 228+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2014-081T	COOK	33	13
CONTRACT NO. 62A31				
ILLINOIS FED. AID PROJECT				



LEGEND

(S-x)	REMOVE AND REPLACE EXISTING STRUCTURE
△(P-x)	REMOVE AND REPLACE EXISTING SEWER
□(C-x)	CLEAN STRUCTURE

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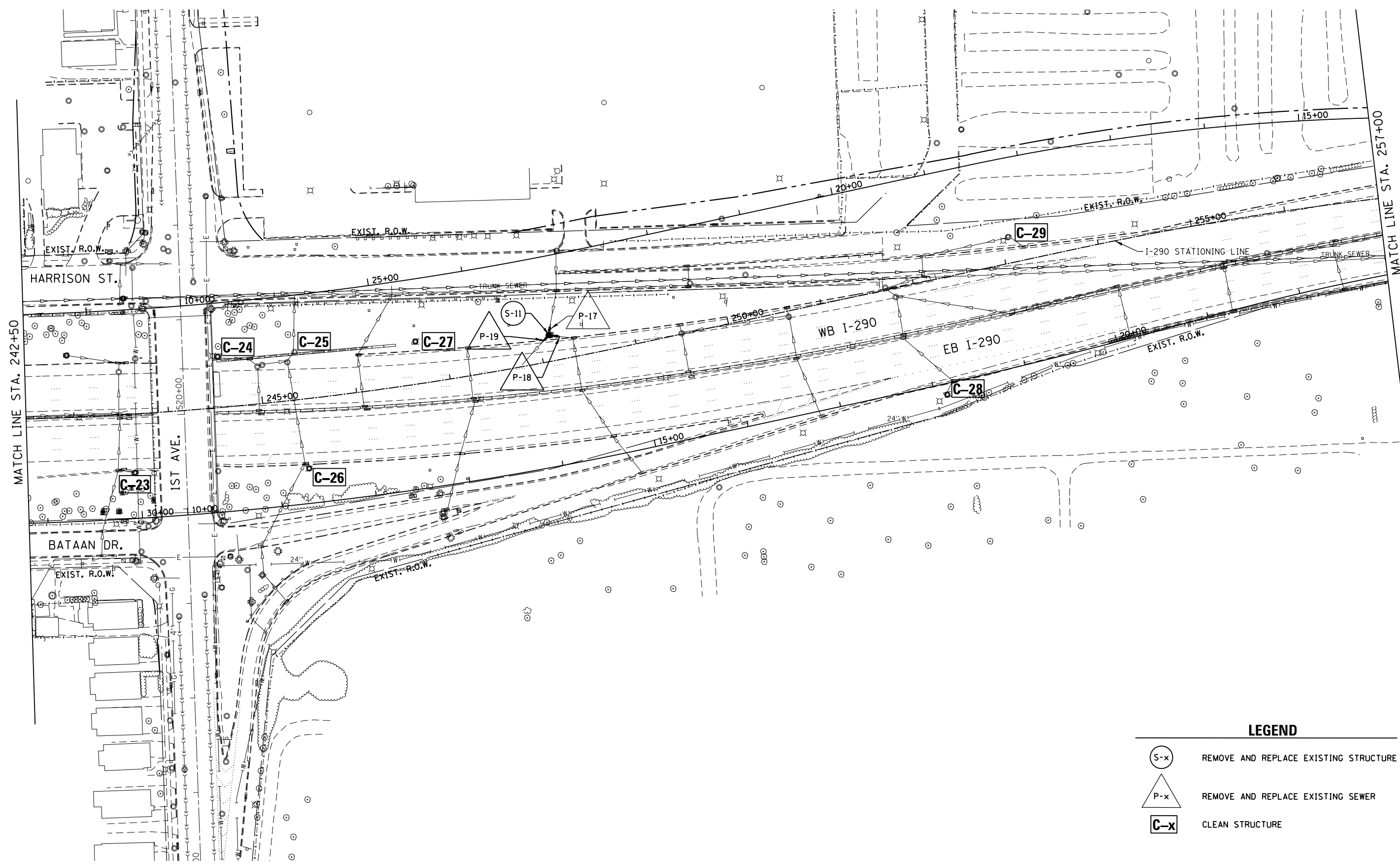
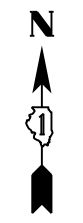


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PLOT DATE = 11/4/2014	DATE - 11-05-2014	REVISED -




**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRAINAGE PLAN			
INTERSTATE 290 - US 12/20/45 TO CENTRAL AVENUE			
SCALE: 1" = 50'	SHEET 10	OF 24 SHEETS	STA. 228+00 TO STA. 242+50

F.A.I. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2014-081T	COOK	33	14
CONTRACT NO. 62A31				
ILLINOIS FED. AID PROJECT				



LEGEND

-  REMOVE AND REPLACE EXISTING STRUCTURE
-  REMOVE AND REPLACE EXISTING SEWER
-  CLEAN STRUCTURE

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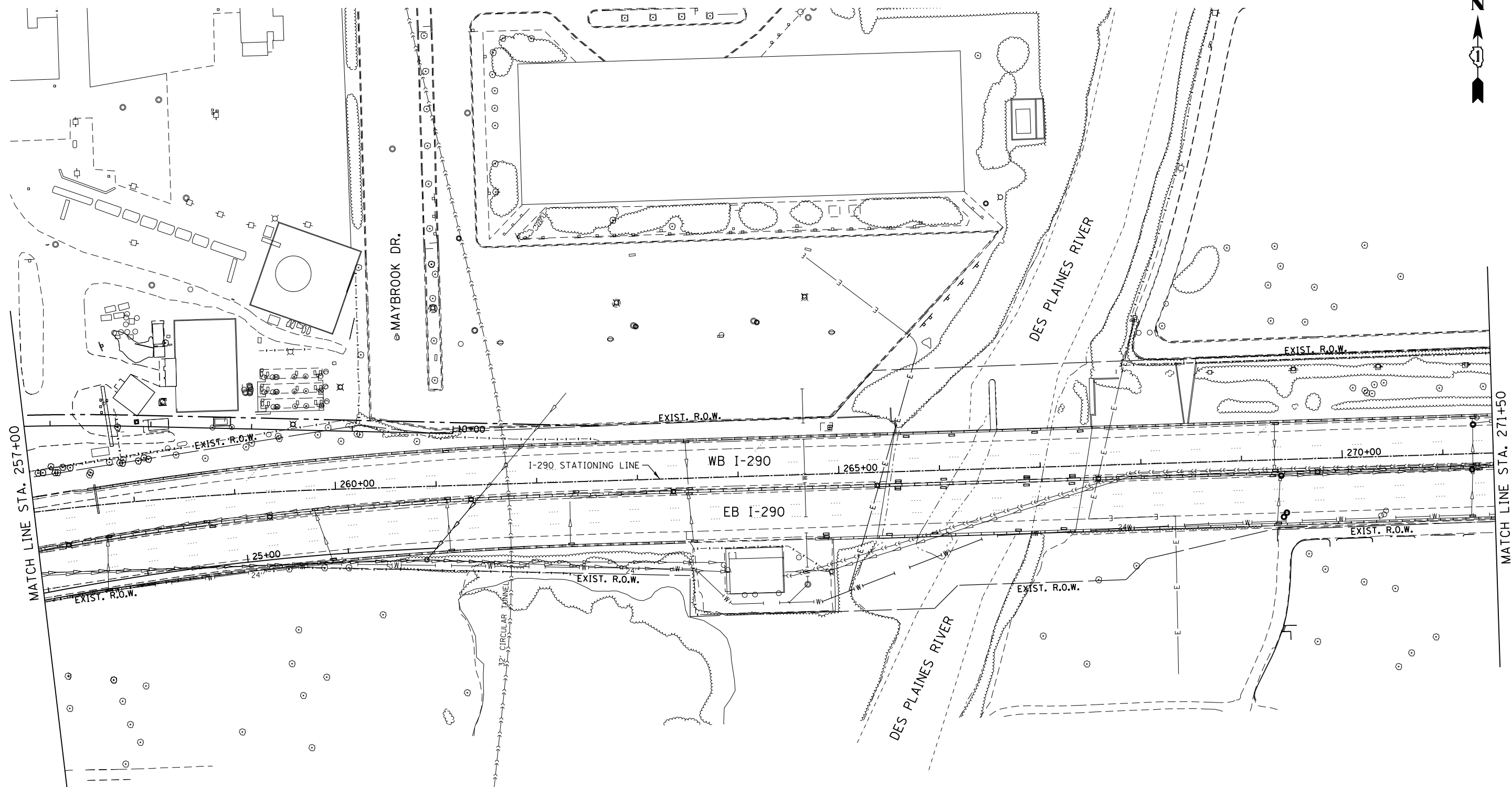


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PLOT DATE = 11/5/2014	CHECKED - TGM	REVISED -
	DATE - 11-05-2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRAINAGE PLAN			
INTERSTATE 290 - US 12/20/45 TO CENTRAL AVENUE			
SCALE: 1" = 50'	SHEET 11	OF 24 SHEETS	STA. 242+50 TO STA. 257+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2014-081T	COOK	33	15
CONTRACT NO. 62A31				
ILLINOIS FED. AID PROJECT				



MATCH LINE STA. 257+00

MATCH LINE STA. 271+50

LEGEND

- S-x REMOVE AND REPLACE EXISTING STRUCTURE
- P-x REMOVE AND REPLACE EXISTING SEWER
- C-x CLEAN STRUCTURE

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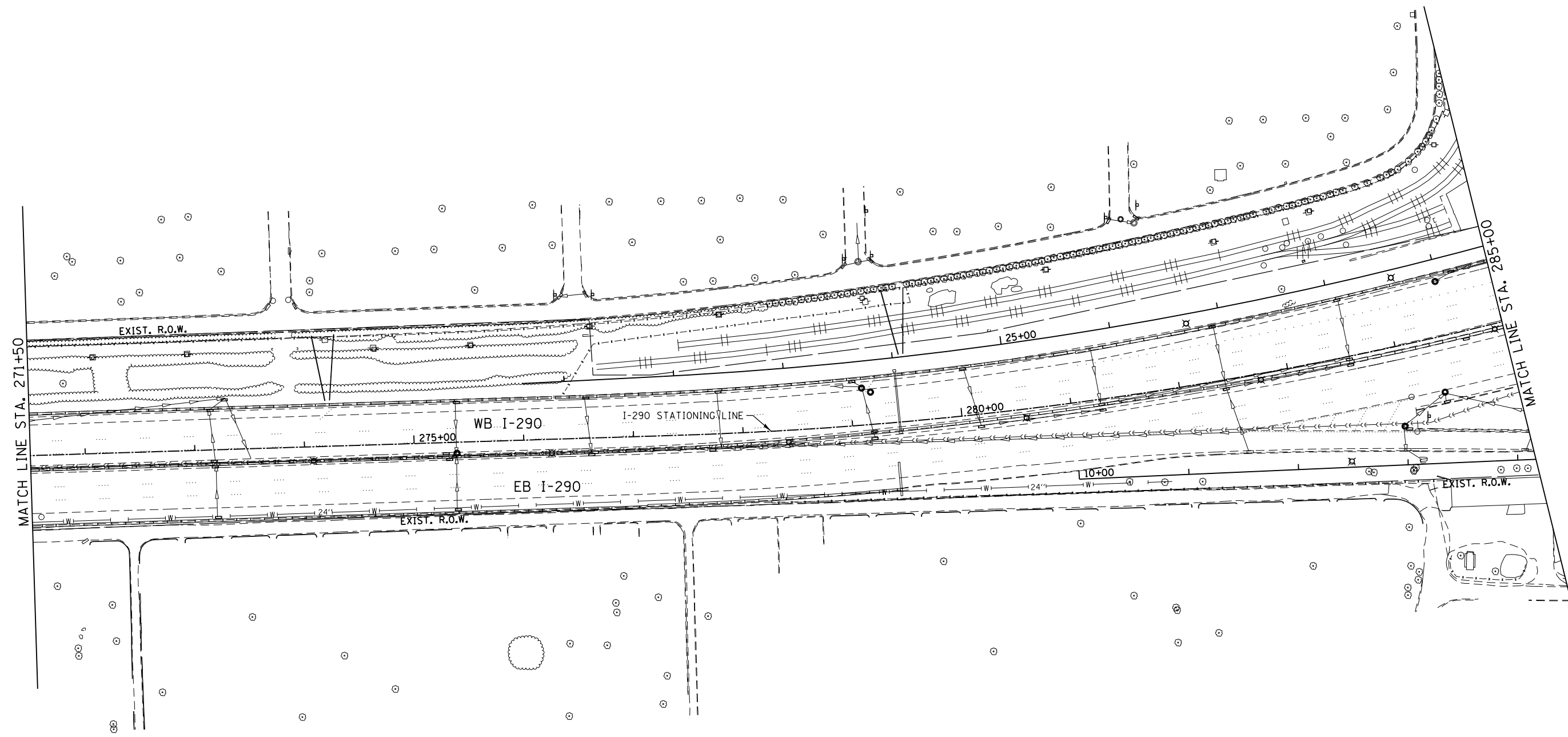
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PLOT DATE = 11/5/2014	DATE - 11-05-2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**




DRAINAGE PLAN
INTERSTATE 290 - US 12/20/45 TO CENTRAL AVENUE

SCALE: 1" = 50' SHEET 12 OF 24 SHEETS STA. 257+00 TO STA. 271+50

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2014-081T	COOK	33	16
CONTRACT NO. 62A31				
ILLINOIS FED. AID PROJECT				



LEGEND

-  REMOVE AND REPLACE EXISTING STRUCTURE
-  REMOVE AND REPLACE EXISTING SEWER
-  CLEAN STRUCTURE

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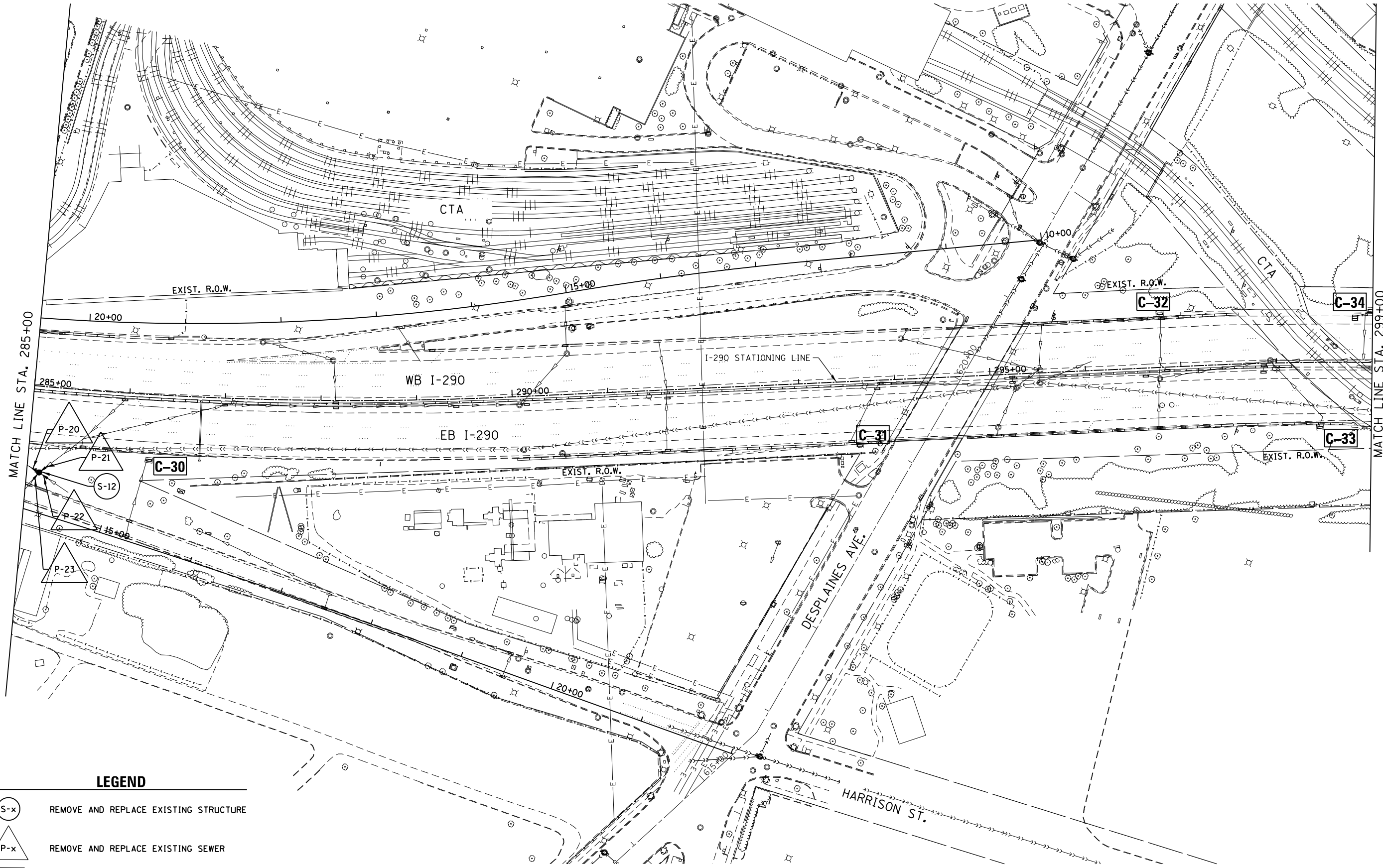


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DRAWN - CC	REVISIONS -	
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PLOT DATE = 11/4/2014	DATE - 11-05-2014	REVISED -




**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRAINAGE PLAN			
INTERSTATE 290 - US 12/20/45 TO CENTRAL AVENUE			
SCALE: 1" = 50'	SHEET 13	OF 24 SHEETS	STA. 271+50 TO STA. 285+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2014-081T	COOK	33	17
CONTRACT NO. 62A31				
ILLINOIS FED. AID PROJECT				



LEGEND

-  REMOVE AND REPLACE EXISTING STRUCTURE
-  REMOVE AND REPLACE EXISTING SEWER
-  CLEAN STRUCTURE

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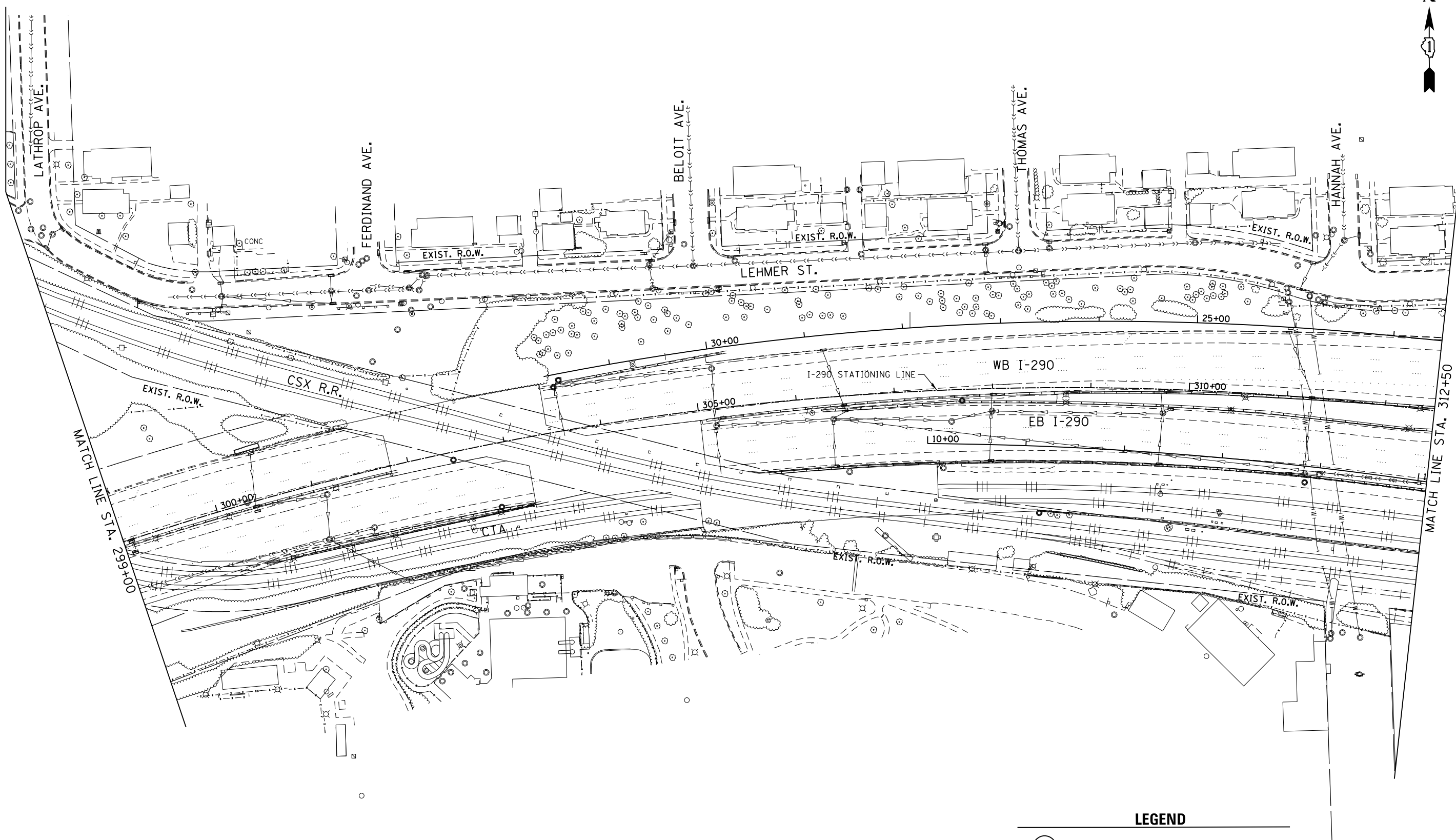
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	DATE - 11-05-2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**




**DRAINAGE PLAN
INTERSTATE 290 - US 12/20/45 TO CENTRAL AVENUE**

SCALE: 1" = 50' SHEET 14 OF 24 SHEETS STA. 285+00 TO STA. 299+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2014-081T	COOK	33	18
CONTRACT NO. 62A31				
ILLINOIS FED. AID PROJECT				



LEGEND

-  REMOVE AND REPLACE EXISTING STRUCTURE
-  REMOVE AND REPLACE EXISTING SEWER
-  CLEAN STRUCTURE

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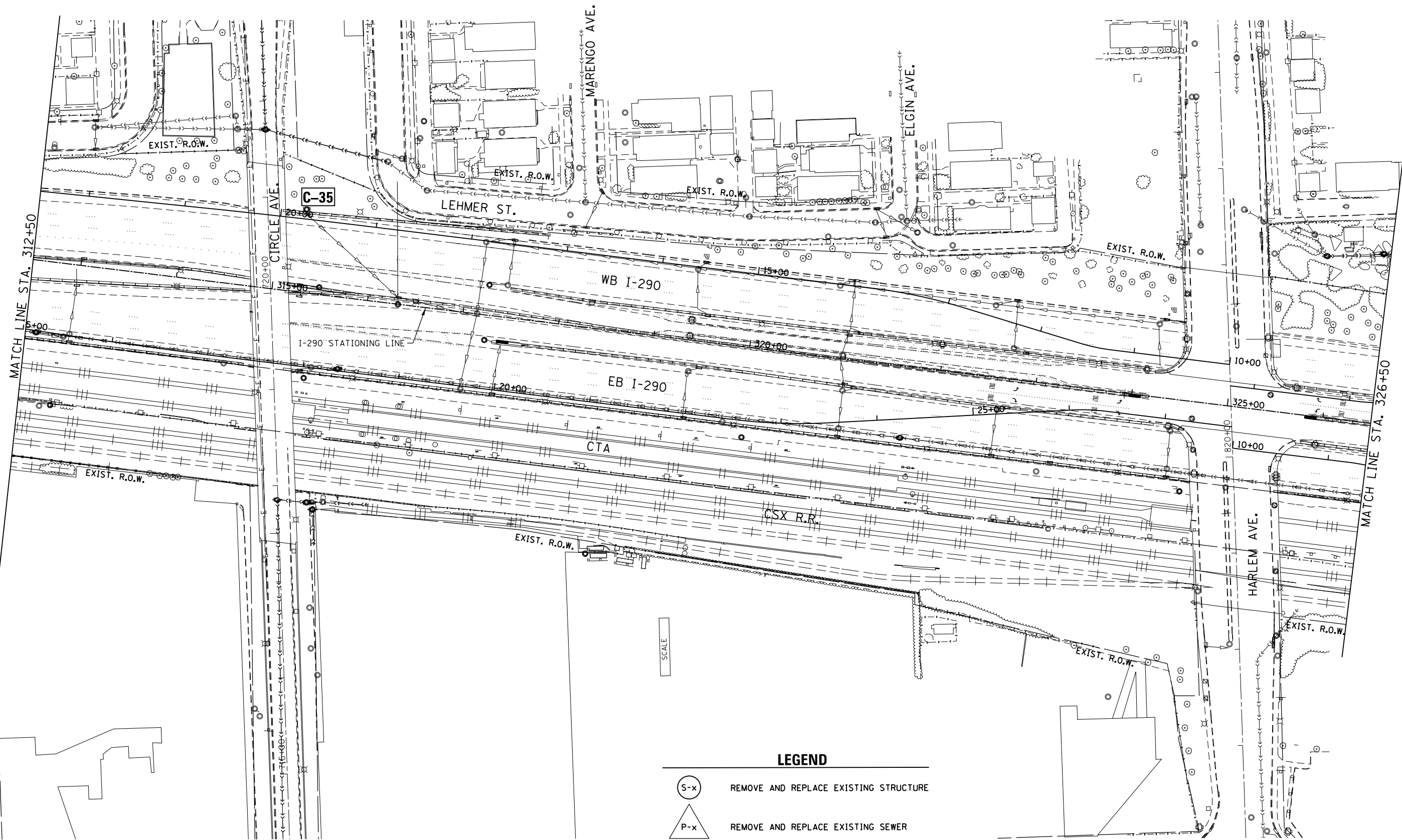


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DRAWN - CC	REVISED -	
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PLOT DATE = 11/4/2014	DATE - 11-05-2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**




DRAINAGE PLAN
INTERSTATE 290 - US 12/20/45 TO CENTRAL AVENUE
SCALE: 1" = 50' SHEET 15 OF 24 SHEETS STA. 299+00 TO STA. 312+50

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2014-081T	COOK	33	19
CONTRACT NO. 62A31				
ILLINOIS FED. AID PROJECT				



SCALE

LEGEND

-  REMOVE AND REPLACE EXISTING STRUCTURE
-  REMOVE AND REPLACE EXISTING SEWER
-  CLEAN STRUCTURE

FILE NAME = Q:\Engineering\LiveProjects\13003 IDOT DUR\13003g - W0 7\CADD\CADD Sheets\Civil\162931-ent-plan16.dgn



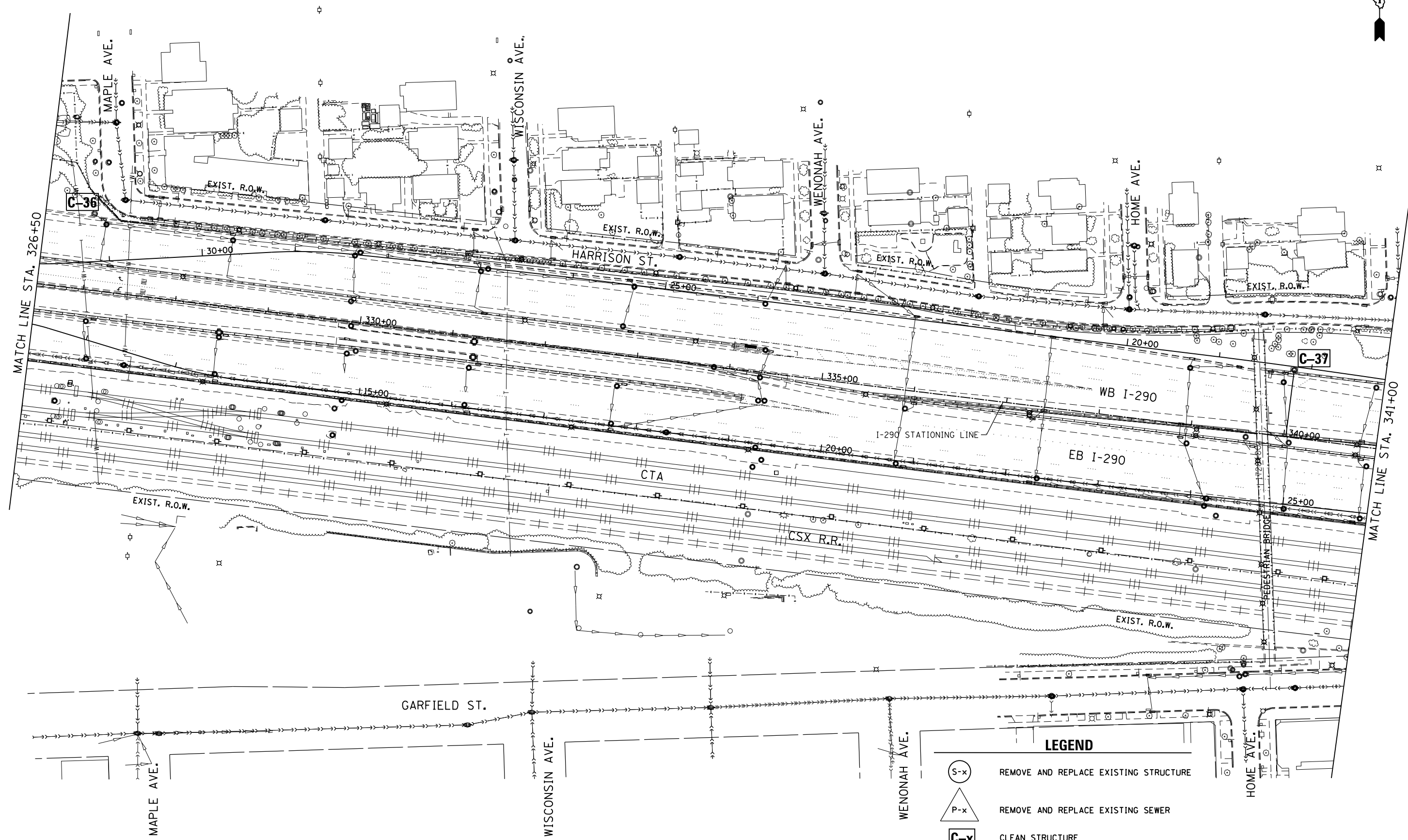
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PLOT DATE = 11/4/2014	DATE - 11-05-2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**




DRAINAGE PLAN
INTERSTATE 290 - US 12/20/45 TO CENTRAL AVENUE
SCALE: 1" = 50' SHEET 16 OF 24 SHEETS STA. 312+50 TO STA. 326+50

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2014-081T	COOK	33	20
CONTRACT NO. 62A31				

ILLINOIS FED. AID PROJECT



LEGEND

-  REMOVE AND REPLACE EXISTING STRUCTURE
-  REMOVE AND REPLACE EXISTING SEWER
-  CLEAN STRUCTURE

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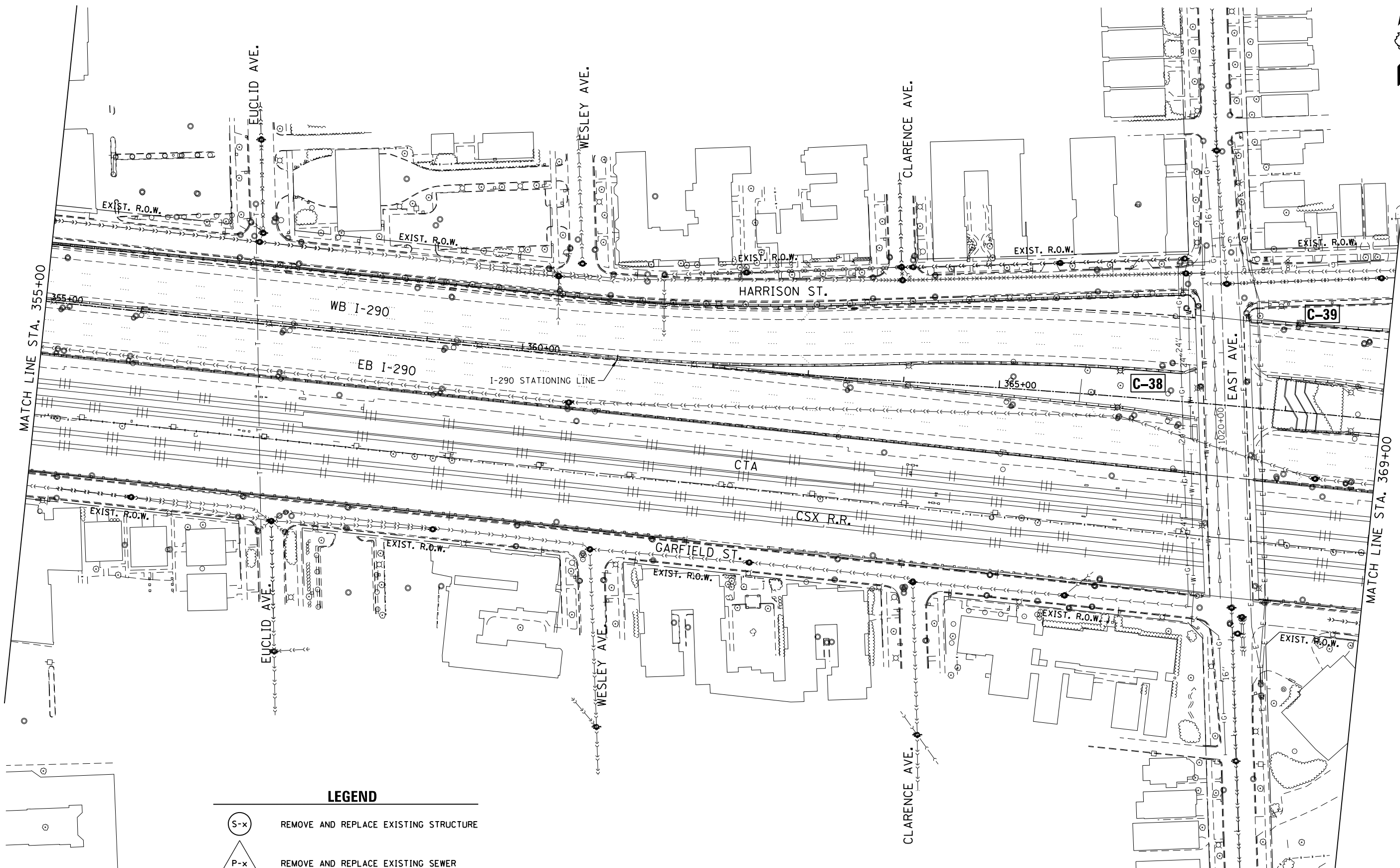
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PLOT DATE = 11/4/2014	DATE - 11-05-2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRAINAGE PLAN
INTERSTATE 290 - US 12/20/45 TO CENTRAL AVENUE

SCALE: 1" = 50' SHEET 17 OF 24 SHEETS STA. 326+50 TO STA. 341+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2014-081T	COOK	33	21
CONTRACT NO. 62A31				
ILLINOIS FED. AID PROJECT				



LEGEND

(S-x)	REMOVE AND REPLACE EXISTING STRUCTURE
(P-x)	REMOVE AND REPLACE EXISTING SEWER
(C-x)	CLEAN STRUCTURE

FILE NAME = Q:\Engineering\LiveProjects\13003 IDOT DURV13003g - W0 7\CADD\CADD Sheets\Civil\162A31-sht-plan19.dgn



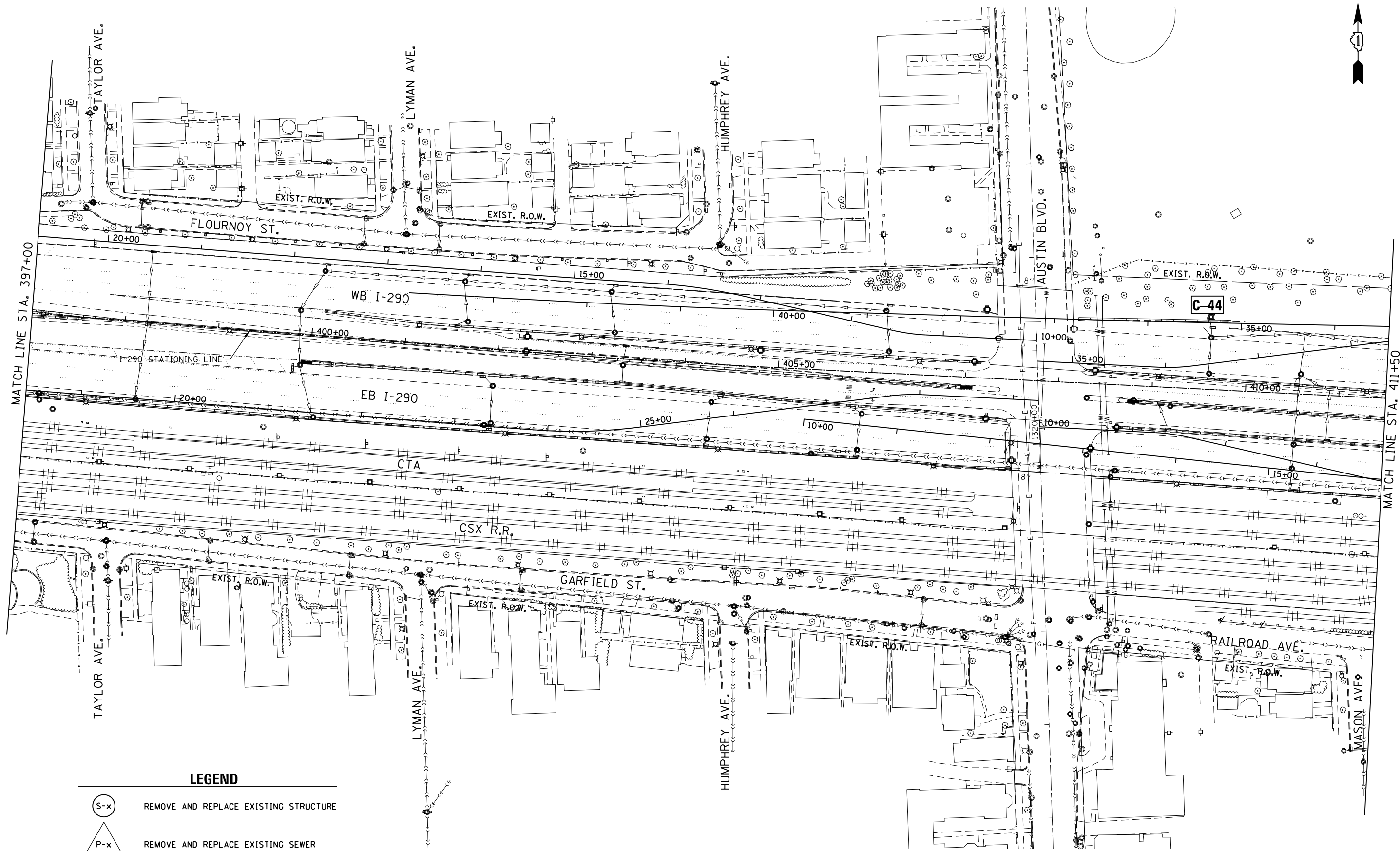
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**




**DRAINAGE PLAN
INTERSTATE 290 - US 12/20/45 TO CENTRAL AVENUE**

SCALE: 1" = 50' SHEET 19 OF 24 SHEETS STA. 355+00 TO STA. 369+00

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2014-081T	COOK	33	23
CONTRACT NO. 62A31				
ILLINOIS FED. AID PROJECT				



LEGEND

-  REMOVE AND REPLACE EXISTING STRUCTURE
-  REMOVE AND REPLACE EXISTING SEWER
-  CLEAN STRUCTURE

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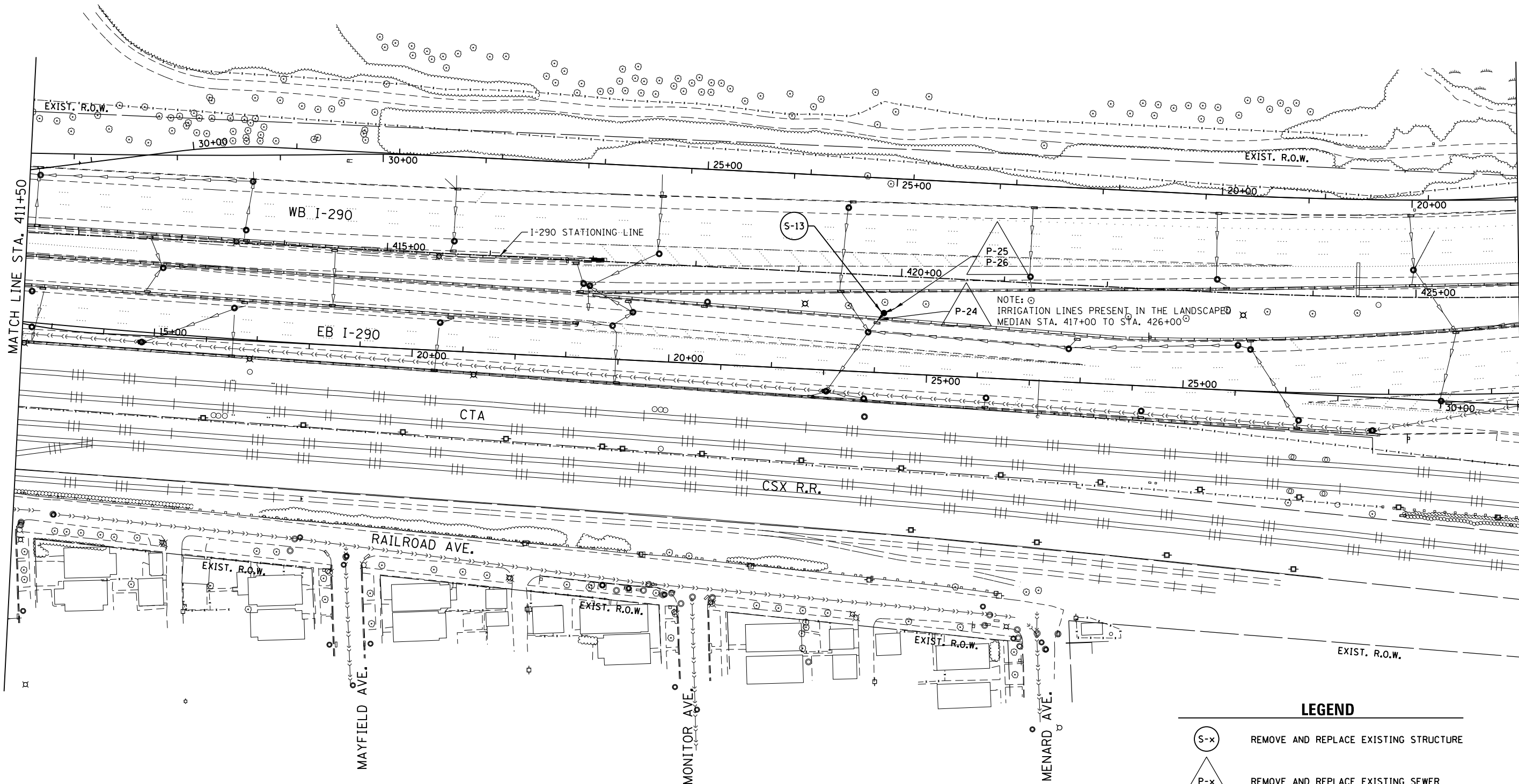


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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**




DRAINAGE PLAN
INTERSTATE 290 - US 12/20/45 TO CENTRAL AVENUE
SCALE: 1" = 50' SHEET 22 OF 24 SHEETS STA. 397+00 TO STA. 411+50

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2014-081T	COOK	33	26
CONTRACT NO. 62A31				
ILLINOIS FED. AID PROJECT				



NOTE: IRRIGATION LINES PRESENT IN THE LANDSCAPED MEDIAN STA. 417+00 TO STA. 426+00

LEGEND

-  REMOVE AND REPLACE EXISTING STRUCTURE
-  REMOVE AND REPLACE EXISTING SEWER
-  CLEAN STRUCTURE

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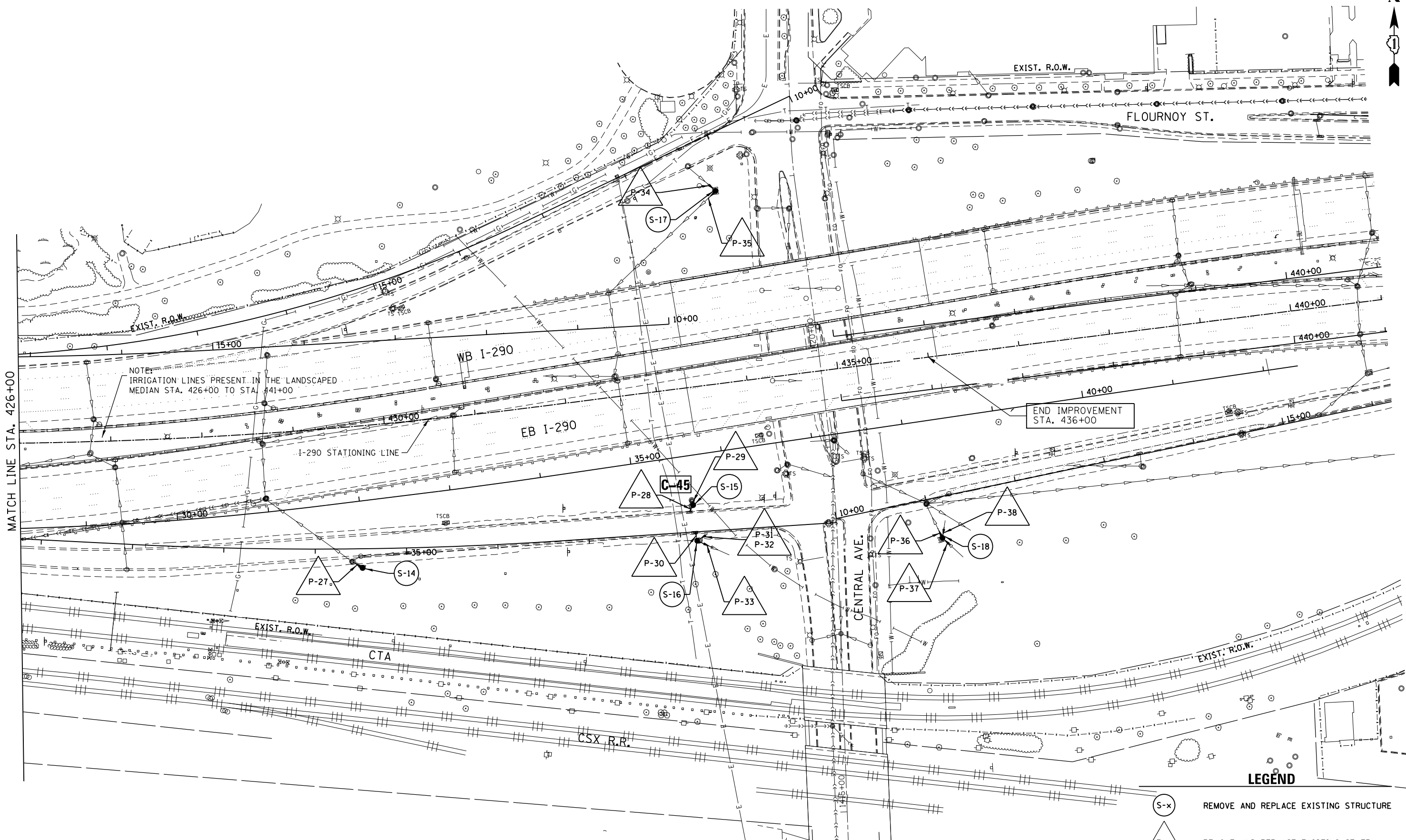
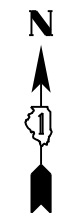


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


**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRAINAGE PLAN
INTERSTATE 290 - US 12/20/45 TO CENTRAL AVENUE
SCALE: 1" = 50' SHEET 23 OF 24 SHEETS STA. 411+50 TO STA. 426+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2014-081T	COOK	33	27
CONTRACT NO. 62A31				
ILLINOIS FED. AID PROJECT				



LEGEND

-  REMOVE AND REPLACE EXISTING STRUCTURE
-  REMOVE AND REPLACE EXISTING SEWER
-  CLEAN STRUCTURE

FILE NAME = Q:\Engineering\LiveProjects\13003 IDOT DUR\13003g - W0 7\CADD\CADD Sheets\Civil\162A31-sht-plan-24.dgn



USER NAME = jent	DESIGNED - JMT	REVISED -
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	DATE - 11-05-2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRAINAGE PLAN
INTERSTATE 290 - US 12/20/45 TO CENTRAL AVENUE
SCALE: 1" = 50' SHEET 24 OF 24 SHEETS STA. 426+00 TO STA. 441+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2014-081T	COOK	33	28
CONTRACT NO. 62A31				
ILLINOIS FED. AID PROJECT				

STORM SEWER STRUCTURE TABLE

STRUCTURE NO.	STATION	OFFSET (FT)	STRUCTURE TABLE			F & G	INVERT ELEVATION	RIM ELEVATION
			MH	CB	IN			
** S-1	160+38	72 LT.			A	IDOT STD. 604106	609.83	611.90
** S-2	161+80	87 LT.		4' A		IDOT STD. 604106	607.04 (W) 606.35 (S)	609.89
** S-3	165+65	96 RT.		4' A		IDOT STD. 604106	608.98 (N) 607.38 (NE)	611.78
** S-4	166+98	72 RT.		4' A		IDOT STD. 604106	607.06 (NW) 609.26 (SE)	613.06
** S-5	169+07	105 LT.		4' A		IDOT STD. 604106	616.24	617.68
** S-6	179+16	89 LT.		4' A		IDOT STD. 604106	622.51	625.84
** S-7	183+24	92 RT.		4' A		IDOT STD. 604106	617.08	621.13
S-8	185+71	60 LT.		4' A		IDOT STD. 604106	610.73 (E) 599.78 (NE) 606.73 (SE)	618.01
** S-9	189+50	62 LT.		4' A		IDOT STD. 604106	607.82	611.68
S-10	196+49	64 LT.		4' A		IDOT STD. 604106	610.62 (SE) UNKNOWN (SW)	616.02
** S-11	248+11	28 LT.		5' A		IDOT STD. 604106	612.28 (NE) 611.55 (SE) 611.51 (SW)	614.93
S-12	285+13	90 RT.		4' A		IDOT STD. 604106	612.44 (W) 612.64 (N) 614.05 (E) 614.57 (S)	618.27
S-13	419+85	36 RT.		4' A		IDOT STD. 604106	602.71	607.73
** S-14	429+63	155 RT.		4' A		IDOT STD. 604106	597.68	601.08
** S-15	433+24	128 RT.		4' A		IDOT STD. 604106	UNKNOWN	593.21
S-16	433+24	168 RT.		4' A		IDOT STD. 604106	589.49 (NW) 588.49 (SE) 2-UNKNOWN (E)	593.15
** S-17	433+92	210 LT.		4' A		IDOT STD. 604106	UNKNOWN (SE) UNKNOWN (SW)	607.88
S-18	435+90	198 RT.		4' A		IDOT STD. 604106	586.23 (NW) 586.25 (N) 586.35 (SE)	591.50

** FLAT SLAB TOP

DRAINAGE STRUCTURES TO BE CLEANED

NO.	STATION	OFFSET (FT)	STORM SEWER TO BE CLEANED (FT)			
			PIPE 1	PIPE 2	PIPE 3	PIPE 4
1	138+17	89 RT.	12", 60FT.	12", 60FT.	15", 60FT.	18", 72FT.
2	152+92	69 LT.	12", 63FT.			
3	156+67	68 RT.	12", 6FT.			
4	159+50	69 RT.	12", 12FT.			
5	161+19	80 RT.	12", 32FT.			
6	170+03	90 LT.	12", 14FT.			
7	173+69	83 LT.	12", 12FT.			
8	190+15	60 RT.	12", 7FT.			
9	191+17	63 LT.	12", 17FT.			
10	193+30	66 LT.	12", 85FT.			
11	206+51	75 RT.	12", 16FT.			
12	210+49	69 RT.	12", 12FT.			
13	214+89	65 RT.	12", 160FT.			
14	216+40	67 LT.	12", 13FT.			
15	216+96	60 RT.	12", 48FT.			
16	217+83	61 LT.	10", 19FT.			
17	218+47	60 RT.	12", 46FT.			
18	228+26	68 RT.	12", 124FT.			
19	230+23	59 RT.	12", 74FT.			
20	231+94	66 RT.	12", 49FT.			
21	233+34	72 LT.	10", 69FT.			
22	241+56	65 RT.	12", 70FT.			
23	243+62	62 RT.	12", 18FT.			
24	244+57	54 LT.	12", 32FT.			
25	245+38	50 LT.	24", 11FT.	24", 60FT.		
26	245+41	74 RT.	12", 6FT.			
27	246+70	45 LT.	12", 63FT.			
28	252+10	122 RT.	12", 15FT.			
29	253+08	27 LT.	15", 92FT.	12", 18FT.		
30	286+24	69 RT.	12", 66FT.			
31	293+61	67 RT.	12", 12FT.			
32	296+80	56 LT.	10", 5FT.			

DRAINAGE STRUCTURES TO BE CLEANED

NO.	STATION	OFFSET (FT)	STORM SEWER TO BE CLEANED (FT)			
			PIPE 1	PIPE 2	PIPE 3	PIPE 4
33	298+45	68 RT.	12", 12FT.			
34	298+98	55 LT.	10", 7FT.			
35	315+26	86 LT.	10", 5FT.			
36	327+02	83 LT.	10", 13FT.			
37	340+02	72 LT.	10", 10FT.			
38	366+79	11 LT.	10", 28FT.	12", 45FT.		
39	368+07	93 LT.	12", 5FT.			
40	372+60	89 LT.	10", 83FT.			
41	376+95	93 LT.	10", 6FT.	10", 6FT.	12", 6FT.	10", 9FT.
42	381+51	87 LT.	10", 6FT.			
43	395+05	80 LT.	10", 6FT.			
44	409+59	79 LT.	12", 10FT.			
45	433+24	123 RT.	12", 100FT.			

NOTE:
ALL ELEVATIONS, PIPE SIZES, STATIONS AND OFFSETS ARE APPROXIMATE. CONTRACTOR TO FIELD VERIFY BEFORE ORDERING MATERIALS.

FILE NAME = Q:\Engineering\LiveProjects\13003 IDOT DUR\13003g - W0 7\CADD\CADD Sheets\Civil\162A31-shr-Drainage Tables.dgn



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	DRAWN - CC	REVISED -
PLOT SCALE = 1:8000' / in.	CHECKED - TGM	REVISED -
PLOT DATE = 11/5/2014	DATE - 11-05-2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRAINAGE TABLES
INTERSTATE 290 - US 12/20/45 TO CENTRAL AVENUE
SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2014-081T	COOK	33	29
CONTRACT NO. 62A31				
ILLINOIS FED. AID PROJECT				

STORM SEWER PIPE TABLE

PIPE NO.	FROM STR.	TO STR.	DESCRIPTION	DIA. (INCH)	LENGTH* (FT)	T. B. F. (CU YD)	STORM SEWER TO BE CLEANED (FT)
P-1	1	EXIST.	SS TYPE 1 CLASS A RCP	12	12	1.6	48
P-2	EXIST.	2	SS TYPE 1 CLASS A RCP	12	12	2.1	70
P-3	2	EXIST.	SS TYPE 1 CLASS A RCP	15	8	1.9	12
P-4	EXIST.	3	SS TYPE 1 CLASS A RCP	12	8	1.3	11
P-5	3	EXIST.	SS TYPE 2 CLASS A RCP	12	12	4.0	80
P-6	4	EXIST.	SS TYPE 2 CLASS A RCP	18	12	9.7	42
P-7	EXIST.	4	SS TYPE 1 CLASS A RCP	18	12	3.2	103
P-8	5	EXIST.	SS TYPE 1 CLASS A RCP	10	14	1.9	0
P-9	6	EXIST.	SS TYPE 1 CLASS A RCP	12	12	2.6	47
P-10	7	EXIST.	SS TYPE 1 CLASS A RCP	12	12	3.5	57
P-11	EXIST.	8	SS TYPE 2 CLASS A RCP	18	12	12.6	0
P-12	EXIST.	8	SS TYPE 2 CLASS A RCP	15	4	11.6	58
P-13	8	EXIST.	SS TYPE 4 CLASS A RCP	24	12	22.9	31
P-14	9	EXIST.	SS TYPE 1 CLASS A RCP	12	12	3.3	48
P-15	10	EXIST.	SS TYPE 2 CLASS A RCP	24	7	5.5	17
P-16	EXIST.	10	SS TYPE 2 CLASS A RCP	12	6	4.5	0
P-17	EXIST.	11	SS TYPE 1 CLASS A RCP	12	12	1.7	35
P-18	EXIST.	11	SS TYPE 1 CLASS A RCP	12	12	2.7	56
P-19	11	EXIST.	SS TYPE 1 CLASS A RCP	18	6	2.6	92
P-20	12	EXIST.	SS TYPE 2 CLASS A RCP	15	12	9.1	77
P-21	EXIST.	12	SS TYPE 2 CLASS A RCP	12	12	8.5	41
P-22	EXIST.	12	SS TYPE 2 CLASS A RCP	12	12	3.7	94
P-23	EXIST.	12	SS TYPE 1 CLASS A RCP	10	12	3.0	23
P-24	13	EXIST.	SS TYPE 2 CLASS A RCP	12	4	2.0	8
P-25	EXIST.	13	PVC PIPE UNDERDRAIN	6	12	3.5	0
P-26	EXIST.	13	PVC PIPE UNDERDRAIN	6	12	3.5	0
P-27	14	EXIST.	SS TYPE 1 CLASS A RCP	12	13	2.9	0
P-28	EXIST.	15	SS TYPE 1 CLASS A RCP	12	8	1.3	0
P-29	15	EXIST.	SS TYPE 1 CLASS A RCP	12	8	1.1	0

* LENGTH IS THE SAME QUANTITY FOR REMOVAL AND REPLACEMENT OF STORM SEWER OF THE DIAMETER SPECIFIED.

STORM SEWER PIPE TABLE

PIPE NO.	FROM STR.	TO STR.	DESCRIPTION	DIA. (INCH)	LENGTH* (FT)	T. B. F. (CU YD)	STORM SEWER TO BE CLEANED (FT)
P-30	EXIST.	16	SS TYPE 1 CLASS A RCP	12	10	2.6	0
P-31	EXIST.	16	PVC PIPE UNDERDRAIN	6	12	2.7	0
P-32	EXIST.	16	PVC PIPE UNDERDRAIN	6	12	2.7	0
P-33	16	EXIST.	SS TYPE 2 CLASS A RCP	12	12	4.3	67
P-34	EXIST.	17	SS TYPE 1 CLASS A RCP	12	12	2.8	30
P-35	17	EXIST.	SS TYPE 1 CLASS A RCP	12	12	2.8	152
P-36	18	EXIST.	SS TYPE 2 CLASS A RCP	15	12	8.1	31
P-37	EXIST.	18	SS TYPE 2 CLASS A RCP	12	12	7.6	70
P-38	EXIST.	18	SS TYPE 2 CLASS A RCP	12	12	8.0	36

* LENGTH IS THE SAME QUANTITY FOR REMOVAL AND REPLACEMENT OF STORM SEWER OF THE DIAMETER SPECIFIED.

NOTE:
ALL ELEVATIONS, PIPE SIZES, STATIONS AND OFFSETS ARE APPROXIMATE. CONTRACTOR TO FIELD VERIFY BEFORE ORDERING MATERIALS.

FILE NAME = Q:\Engineering\LiveProjects\13003 IDOT DUR\13003g - W0 7\CADD\CADD Sheets\Civil\62A31-shr-Drainage Tables.dgn



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PLOT SCALE = 1.0000' / in.	DRAWN - CC	REVISED -
PLOT DATE = 11/5/2014	CHECKED - TGM	REVISED -
	DATE - 11-05-2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRAINAGE TABLES			
INTERSTATE 290 - US 12/20/45 TO CENTRAL AVENUE			
SCALE: N.T.S.	SHEET	OF SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2014-081T	COOK	33	30
CONTRACT NO. 62A31				
ILLINOIS FED. AID PROJECT				

EROSION AND SEDIMENT CONTROL NOTES:

- ALL CONTROL MEASURES NECESSARY MUST MEET THE MINIMUM REQUIREMENTS AS DESCRIBED IN THE LATEST EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONSTRUCTION INSPECTION BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION. ADDITIONAL DETAILS AND BMPs ARE ALSO AVAILABLE AND CAN BE UTILIZED AS SHOWN IN THE ILLINOIS URBAN MANUAL, REVISED TO LATEST VERSION AS AMENDED. 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 THE SOIL EROSION AND SEDIMENT CONTROL FEATURES MUST BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF UPLAND DISTURBANCE. SOIL DISTURBANCE MUST BE PHASED OR ENACTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES MUST CONSIDER THE TIME OF YEAR, SITE CONDITIONS AND THE USE OF TEMPORARY AND/OR PERMANENT MEASURES.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT SEDIMENT TRANSPORT OFF THE SITE IS REDUCED BY A COMBINATION OF MINIMIZATION OF EROSION AT THE SOURCE AND THE INSTALLATION OF SPECIFIC MEASURES TO CONTROL OR REDUCE THE TRANSPORT OF SEDIMENT. A COPY OF THE EROSION AND SEDIMENT CONTROL SCHEDULE BEING IMPLEMENTED BY THE CONTRACTOR MUST BE APPROVED BY THE ENGINEER AND WILL BE ON THE CONSTRUCTION SITE AT ALL TIMES.
- ALL RUNOFF ORIGINATING ON DISTURBED AREAS ASSOCIATED WITH THIS PROJECT WILL PASS THROUGH ONE OR MORE MEASURES THAT WILL MINIMIZE THE OFF-SITE SEDIMENT IMPACTS OF THE CONSTRUCTION ACTIVITIES.
- DISTURBED AREAS ARE TO BE PROTECTED FROM EROSION IN A TIMELY MANNER. UPON COMPLETION OF GRADING OR CONSTRUCTION ACTIVITY, THE AREA WILL BE STABILIZED (USING PERMANENT MEASURES WHEN POSSIBLE) WITHIN ONE (1) CALENDAR DAY.
- THE CONTRACTOR WILL ASSUME RESPONSIBILITY FOR MAINTENANCE OF ALL SOIL EROSION CONTROL DURING CONSTRUCTION. THE CONTRACTOR SHALL DESIGNATE ONE OF HIS EMPLOYEES TO BE RESPONSIBLE FOR IMPLEMENTATION OF THE EROSION AND SEDIMENT CONTROL PLAN ON ALL DISTURBED AREAS THROUGHOUT THE PROJECT.
- THE CONTRACTOR'S REPRESENTATIVE HAS TO BE KNOWLEDGEABLE ABOUT INSTALLATION AND MAINTENANCE OF THE REQUIRED MEASURES AND HAVE TAKEN AN ILLINOIS DEPARTMENT OF TRANSPORTATION OR APPROVED EQUAL EROSION AND SEDIMENT CONTROL COURSE. THIS PERSON SHALL HAVE THE AUTHORITY TO CARRY OUT THE IMPLEMENTATION OF ANY INSTRUCTION CONCERNING THE EROSION AND SEDIMENT CONTROL PLAN PROVIDED BY THE ENGINEER. THIS INDIVIDUAL AND THE ENGINEER MUST MAKE INSPECTIONS A MINIMUM OF ONCE EVERY SEVEN DAYS OF THE FOLLOWING:
 - DISTURBED AREAS OF THE PROJECT SITE THAT HAVE NOT BEEN FULLY STABILIZED.
 - STRUCTURAL CONTROL MEASURES (SUCH AS PERIMETER EROSION BARRIER, ETC.)
 - LOCATIONS WHERE VEHICLES ENTER OR EXIT THE PROJECT SITE.
 - AN ADDITIONAL INSPECTION OF THE ITEMS LISTED ABOVE MUST BE MADE 24-HOURS AFTER A RAINFALL OR EQUIVALENT SNOWFALL EVENT GREATER THAN 0.5-INCH. DURING WINTER MONTHS, ALL MEASURES MUST BE CHECKED BY THE CONTRACTOR AFTER EACH SIGNIFICANT SNOWMELT.
- ALL THE EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED DURING THE CONSTRUCTION SEASON, AS WELL AS OVER THE WINTER SHUTDOWN PERIOD AND OTHER DAYS WHEN THE PROJECT IS CLOSED DOWN FOR A LONGER DURATION. ANY CONTROL MEASURES FILLED MORE THAN 75% MUST BE CLEANED AND RESET AND THESE SPOILS REMOVED TO AN APPROVED SITE.
- SALVAGED TOPSOIL SHALL BE PLACED ON WELL DRAINED LAND AWAY FROM INTERMITTENT AND ACTIVE DRAINAGE PATHS WITH THE APPROPRIATE RUNOFF CONTROL AND SEDIMENT CONTROL MEASURES INSTALLED AROUND THE STORAGE SITE. IMMEDIATELY AFTER THE FINAL SHAPING OF THE STOCKPILE, THE TOPSOIL WILL BE STABILIZED IN ACCORDANCE WITH THE METHOD APPROVED BY IDOT. THE CONTRACTOR WILL PROVIDE ADEQUATE QUANTITY OF SILT FENCE TO CONTROL THE PERIMETER OF THE STOCKPILE. COST OF THE SILT FENCE WILL BE INCLUDED WITH THE COST OF TOPSOIL FURNISH AND PLACE, 4 INCH.

- EXCAVATION TO BE USED SHALL NOT BE STOCKPILED UNLESS PERIMETER CONTROLS ARE UTILIZED. WHEN THIS MATERIAL IS STOCKPILED FOR THE CONVENIENCE OF THE CONTRACTOR, THE COST OF THE CONTROLS WILL BE BORNE BY THE CONTRACTOR. IF THE MATERIAL IS STOCKPILED AT THE DIRECTION OF THE ENGINEER, THE DEPARTMENT WILL ASSUME THE COST OF INSTALLING AND MAINTAINING THE CONTROLS.
- IF AND/OR WHEN THE CONTRACTOR REQUESTS CHANGE TO POSTPONE COMPLETION OF THE EXCAVATION OF A SPECIFIC AREA AS A CONTINUOUS OPERATION AND PLACING THE TOPSOIL AS DEFINED IN THE STANDARD SPECIFICATIONS, THE ENGINEER MAY ALLOW THE CONTRACTOR TO STABILIZE THE AREA USING TEMPORARY STABILIZATION WITH STRAW MULCH 25 FEET AWAY FROM THE SHOULDER OF THE ROAD PROVIDED THE FOLLOWING CONDITIONS ARE MET:
 - ALL AREAS BEING STABILIZED ARE 1:3 SLOPES OR FLATTER
 - THE CONTRACTOR BEARS THE COST OF PREPARING THE SEED BED AND STABILIZING THE AREA WITH TEMPORARY STABILIZATION WITH MULCH METHOD 2.
 - ALL REQUIRED SEDIMENT CONTROL MEASURES FOR THE SECTION OF ROAD IN QUESTION HAVE BEEN INSTALLED AND ARE BEING MAINTAINED.
- TOPSOIL PLACEMENT: TOPSOIL WILL BE PLACED ON FINAL SURFACE WHICH WILL NOT BE DISTURBED BY FUTURE CONSTRUCTION. TOPSOIL WILL NOT BE PLACED ON SURFACES WHICH WILL BE PAVED IN THE FUTURE NOR ON TEMPORARY STEEP SLOPES.
- IN AREAS WHERE A PERMANENT VEGETATIVE COVER IS PRACTICABLE AND INCLUDED IN THE CONTRACT DOCUMENTS, A SPECIAL EFFORT SHOULD BE MADE TO ESTABLISH A COVER AS SOON AS A DISTURBED AREA IS BROUGHT TO FINAL GRADE.
- THE CONTRACTOR'S REPRESENTATIVE AND THE ENGINEER MUST KEEP A WRITTEN REPORT SUMMARIZING THE REQUIRED INSPECTIONS. THE REPORTS MUST BE KEPT AT THE SITE DURING CONSTRUCTION. THE REPORTS MUST ALSO BE RETAINED FOR THREE YEARS FROM THE DATE THE SITE IS FINALLY STABILIZED.
- ANY SEDIMENT LADEN DEWATERING DISCHARGE MUST BE DIRECTED TO AN APPROVED SEDIMENT TRAPPING CONTROL MEASURE PRIOR TO RELEASE FROM THE PROJECT SITE.
- NO WORK IS ALLOWED BEYOND THE PERMITTED AREA. ANY WORK WITHIN A SWALE OR DITCH CAPABLE OF CONVEYING WATER MUST BE CONDUCTED IN THE DRY. PROVISIONS MUST BE MADE TO BYPASS PUMP OR DEWATER ANY AREAS IN WHICH WORK WILL BE CONDUCTED.
- SEEDING USAGE

CLASS 2A:
USED ON FINAL DISTURBED CONSTRUCTION AREAS AROUND ALL DRAINAGE STRUCTURES AND OVER STORM SEWERS.

CLASS 4A (MODIFIED):
USED ON FINAL DISTURBED CONSTRUCTION AREAS AS DIRECTED BY THE ENGINEER.

TEMPORARY EROSION CONTROL SEEDING:
USED IN AREAS REQUIRING SHORT TERM TEMPORARY SEEDING DURING CONSTRUCTION.
- THE CONTRACTOR MUST COOPERATE WITH THE ENGINEER AND HIS/HER REPRESENTATIVE WHO WILL MAKE SITE VISITS TO REVIEW THE COMPLIANCE OF THE PLANS IN THE FIELD AND AUDIT IF NECESSARY. THE CONTRACTOR MUST PREPARE THE LOGS AND RECORDS WHEN REQUIRED AND SUBMIT TO IDOT AND/OR APPROPRIATE AGENCIES.
- THE INSTALLATION, MAINTENANCE, REMOVAL AND RESTORATION OF THE AREA DISTURBED BY THE PLACEMENT OF THE PERIMETER EROSION BARRIER ARE INCLUDED IN THE CONTRACT UNIT PRICE FOR PERIMETER EROSION BARRIER. AFTER ALL PERIMETER EROSION BARRIER IS REMOVED, THE AREAS DAMAGED BY THE PERIMETER EROSION CONTROL BARRIER MUST BE RESTORED TO THEIR ORIGINAL CONDITION.
- THE CONTRACTOR WILL PROVIDE THE ENGINEER A PLAN TO ENSURE THAT A STABILIZED FLOW LINE WILL BE PROVIDED DURING STORM SEWER CONSTRUCTION. THIS IS IMPORTANT WHERE NEW STORM SEWER CONNECTS TO EXISTING CULVERTS. THE USE OF A STABILIZED FLOW LINE BETWEEN INSTALLED STORM SEWER AND OPEN DISTURBANCE SO THAT FLOW WILL NOT ERODE WILL REDUCE THE POTENTIAL FOR THE OFFSITE DISCHARGE OF SEDIMENT-BEARING WATERS, ESPECIALLY WHEN RAIN IS FORECASTED. LACK OF AN APPROVED PLAN OR FAILURE TO COMPLY WILL RESULT IN AN ESC DEFICIENCY DEDUCTION.
- INLET FILTERS SHALL BE USED IN ALL OPEN LID STRUCTURES IN THE PAVEMENT THAT WILL BE WITHIN TEN FEET OF DISTURBED GROUND OR WHERE PAVEMENT DRAINING TO A STRUCTURE WILL BE WITHIN TEN FEET OF DISURBED GROUND.

SOIL PROTECTION SCHEDULE:

STABILIZATION TYPE	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.
PERMANENT SEEDING						→					→	
DORMANT SEEDING	→		→							→		→
TEMPORARY SEEDING										→		
EROSION BLANKET / HYDROMULCH											→	

EROSION AND SEDIMENT CONTROL STRATEGY:

- ESTABLISH STABILIZED CONSTRUCTION ENTRANCES.
- REMOVE AND REPLACE DRAINAGE STRUCTURES AND STORM SEWER PIPES AS SHOWN IN PLANS.
- INSPECT AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES FOR THE DURATION OF CONSTRUCTION.
- STABILIZE DISTURBED AREAS WITH TEMPORARY EROSION CONTROL MEASURES. USE THE PERMANENT SODDING AND/OR SEEDING WITH EROSION CONTROL BLANKET.
- INSTALL INLET FILTERS AFTER THE DRAINAGE STRUCTURES ARE REPLACED.
- REMOVE INLET FILTERS AFTER PERMANENT STABILIZATION IS ESTABLISHED.

HIGHWAY STANDARDS:

STD. NO.	TITLE
280001	TEMPORARY EROSION CONTROL SYSTEMS

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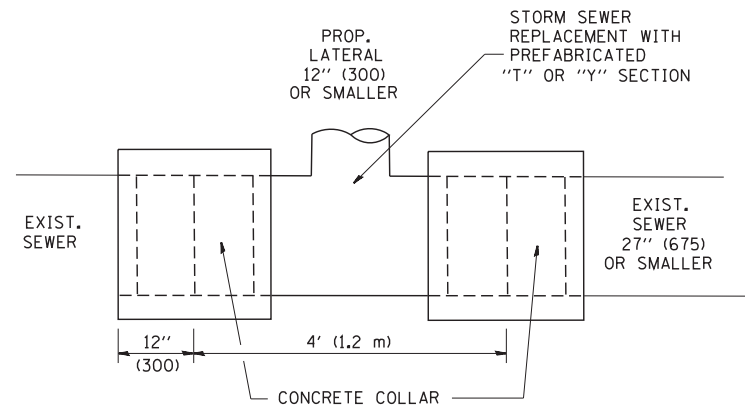


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	DRAWN - CC	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

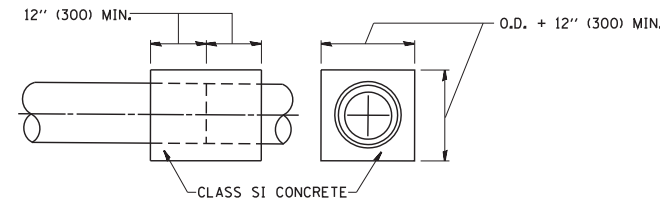
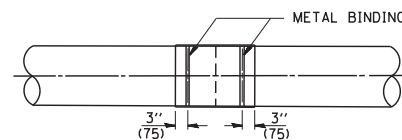
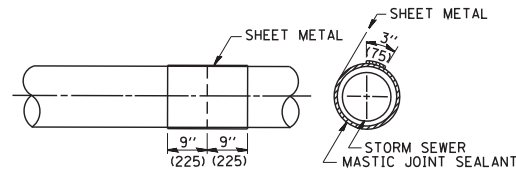
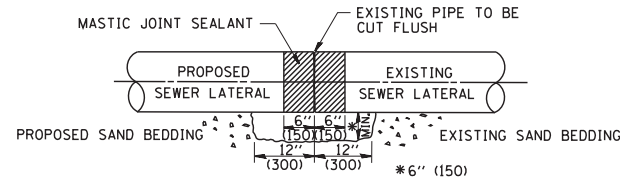
EROSION AND SEDIMENT CONTROL NOTES			
INTERSTATE 290 - US 12/20/45 TO CENTRAL AVENUE			
SCALE: N:T=5.50'	SHEET	OF SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2014-081T	COOK	33	31
CONTRACT NO. 62A31				
ILLINOIS FED. AID PROJECT				



DETAIL "A"

LATERAL CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER

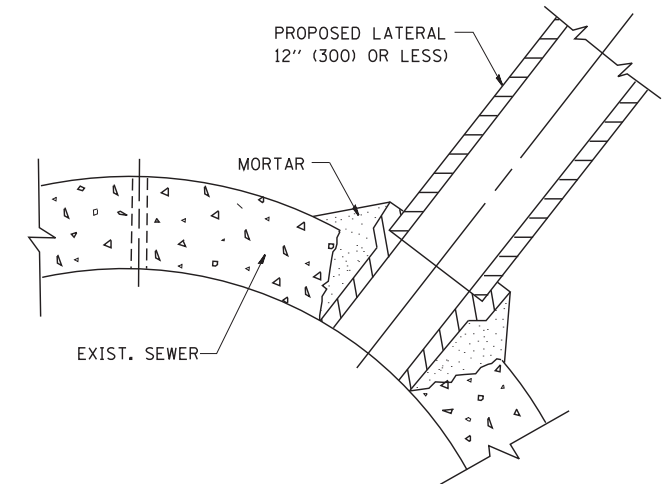


DETAIL "B"

CLASS SI CONCRETE COLLAR

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" x 6" (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
- CUT A PIECE OF SHEET METAL GAGE NO. 19 1.1 (0.0418) 18" (450) WIDE BY THE OUTSIDE CIRCUMFERENCE OF THE PIPE PLUS 3" (75) LONG.
- WRAP THE SHEET METAL AROUND THE PIPES, 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
- LAP THE SHEET METAL AT LEAST 3" (75) 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 OOOZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
- PLACE CLASS SI CONCRETE AROUND THE JOINT.



DETAIL "C"

PROPOSED LATERAL CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER

NOTES

MATERIAL

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

CONSTRUCTION METHODS

- THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.
- CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:
 - PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER SEE DETAIL "A" AND "B".
 - PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER SEE DETAIL "C".

IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THE CIRCULAR OPENING, 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, WITHOUT EXTRA COMPENSATION.

GENERAL

CARE MUST BE TAKEN TO PREVENT DEBRIS 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.

BASIS OF PAYMENT

TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE OF THE TYPE AND SIZE SPECIFIED IN THE PLANS. THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FURNISHING AND INSTALLING THE SPECIFIED TEE OR WYE SECTION, FURNISHING AND INSTALLING THE REQUIRED CONCRETE COLLAR, 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 OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE 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.

CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

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

FILE NAME = W:\diststd\22x34\bd07.dgn	USER NAME = geglionbt	DESIGNED - M. DE YONG	REVISED - M. DE YONG 05-08-92
		DRAWN -	REVISED - R. SHAH 09-09-94
	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - R. SHAH 10-25-94
	PLOT DATE = 1/4/2008	DATE - 07-25-90	REVISED - R. SHAH 06-12-96

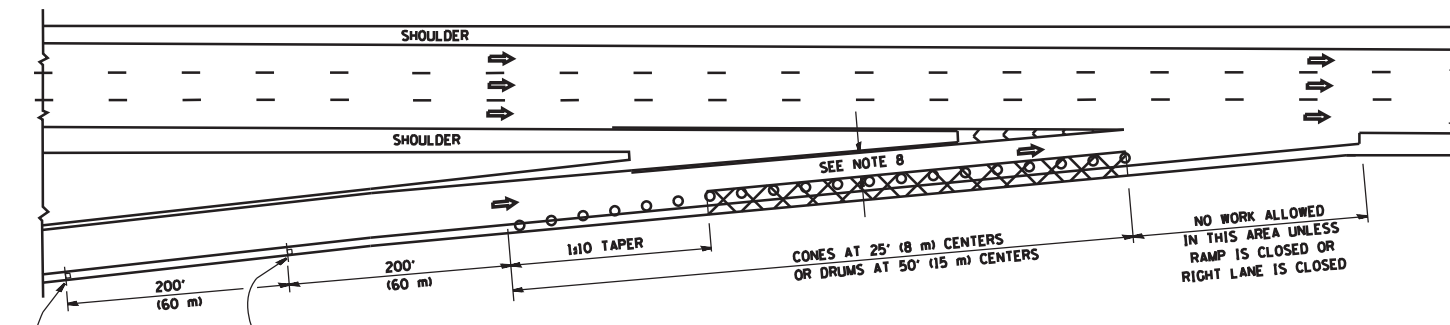
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETAIL OF STORM SEWER
CONNECTION TO EXISTING SEWER**

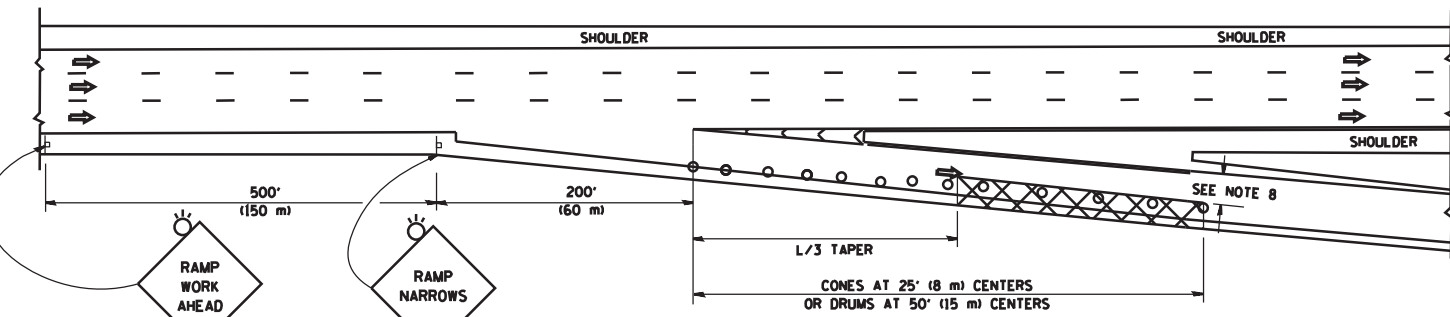
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

FAL RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2014-081T	COOK	33	32
BD500-01 (BD-7)			CONTRACT NO.	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

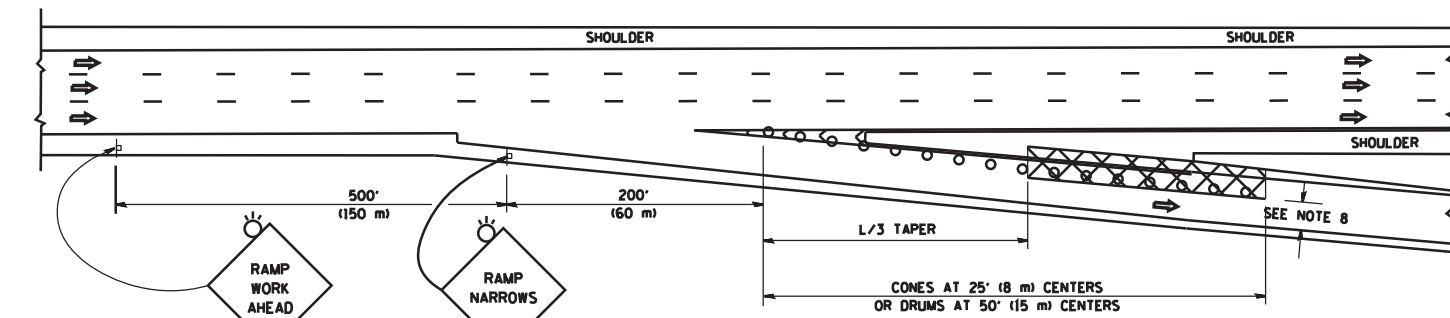
PARTIAL RAMP CLOSURE DETAILS



TYPICAL ENTRANCE RAMP



TYPICAL EXIT RAMP



TYPICAL EXIT RAMP

SYMBOLS

- ACTIVE WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE OR DRUM WITH STEADY BURN MONO-DIRECTIONAL LIGHT
- CONE, DRUM OR BARRICADE
- IMPACT ATTENUATOR OF TYPE AND TEST LEVEL SPECIFIED

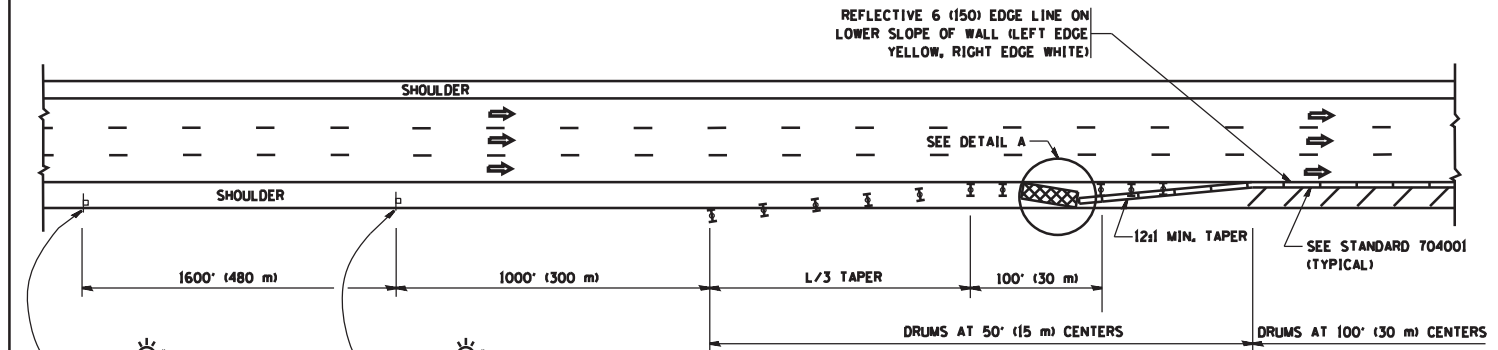
GENERAL NOTES

1. THE "L" DISTANCE EQUALS:

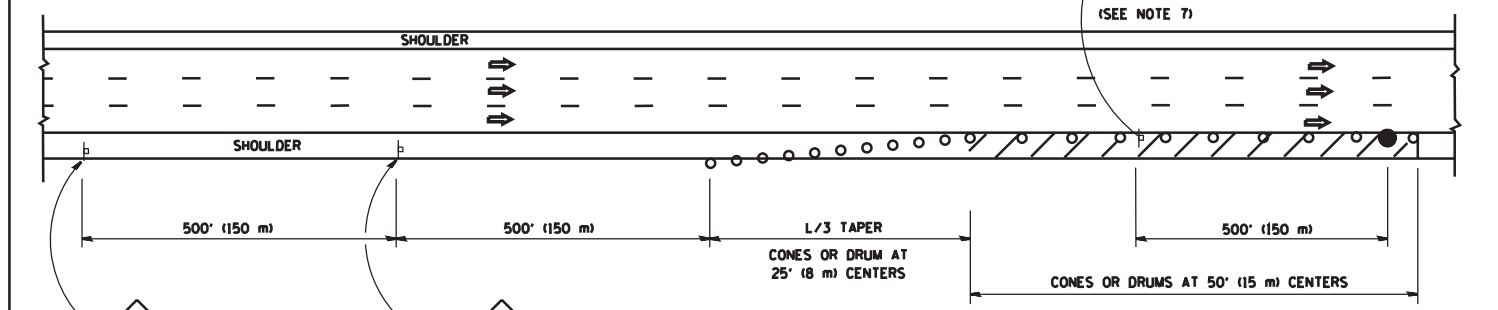
SPEED LIMIT	FORMULAS
45 mph (80 km/h) OR GREATER:	METRIC ENGLISH
	$L = 0.65(WNS)$ $L = (WNS)$

W = WIDTH OF OFFSET IN FEET (METERS)
S = NORMAL POSTED SPEED MPH (KM/H)
2. PLASTIC DRUMS WITH HIGH PERFORMANCE REFLECTIVE SHEETING AND STEADY BURNING LIGHTS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES.
3. ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
4. FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.

SHOULDER CLOSURE DETAILS

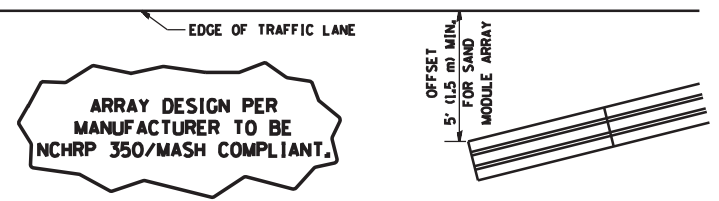


PERMANENT SHOULDER CLOSURE



DAYTIME SHOULDER CLOSURE

THIS DETAIL IS USED WHERE:
1. VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCR OACH IN AN AREA CLOSER THAN 15' (4.5 m) TO THE EDGE OF PAVEMENT FOR A PERIOD IN EXCESS OF 15 MINUTES.



DETAIL "A" IMPACT ATTENUATOR, TEMPORARY (SEE NOTE 5)

5. THE IMPACT ATTENUATOR, TEMPORARY IS NOT REQUIRED WHEN THE TEMPORARY CONCRETE BARRIER WALL IS PROTECTED BY OR IS TIED INTO THE EXISTING GUARDRAIL. IF OFFSET IS LESS THAN 5 FEET USE NARROW USE TYPE DEVICE TO MEET NCHRP350/MASH.
6. AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
7. THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
 - a. FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
 - b. THE WORK ACTIVITY REQUIRES FREQUENT ENCR OACHMENT INTO THE LANE OPEN TO TRAFFIC.
 THE FLAGGER SHALL BE STATIONED APPROXIMATELY 100' (30 m) TO 200' (60 m) IN ADVANCE OF THE WORKERS.
8. 12' MIN. WIDTH TANGENT SECTION
16' MIN. WIDTH CURVE SECTION.

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

FILE NAME =	USER NAME = lveysa	DESIGNED -	REVISED - J.A.F. 12-06	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES			F.A.L. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca:\pwwork\pwwork\lveysa\d0108315\c17.dgn		DRAWN - D.W.S.	REVISED - S.P.B. 01-07		290	2014-08T	COOK	33	33			
	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - S.P.B. 12-09		TC-17			CONTRACT NO.				
	PLOT DATE = 4/17/2014	DATE - 11-96	REVISED - M.D. 06-13		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				