

04-22-2016 LETTING ITEM 140

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
**PLANS FOR PROPOSED  
FEDERAL AID HIGHWAY**  
FAU ROUTE 2678 (GARFIELD STREET)  
63RD STREET TO 59TH STREET  
PAVEMENT RESURFACING  
SECTION No.: 11-00044-00-RS  
PROJECT No.: M-9003(870)  
VILLAGE OF BURR RIDGE  
DUPAGE COUNTY  
JOB No.: C-91-102-12

FOR INDEX OF SHEETS AND STATE HIGHWAY  
STANDARDS SEE SHEET NO. 2  
PROJECT LOCATED IN THE VILLAGE OF BURR RIDGE

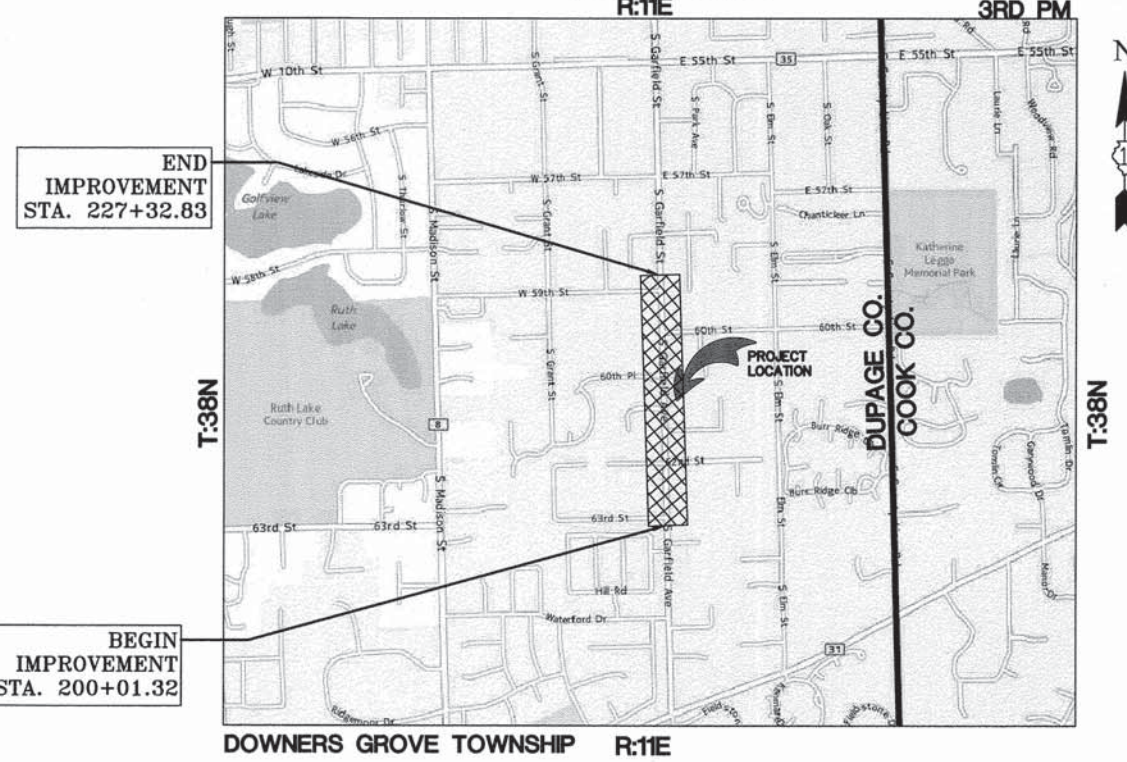
DESIGN DESIGNATION = MINOR ARTERIAL  
TRAFFIC VOLUME ADT = 3,800 VPD (2005)  
POSTED SPEED = 30 MPH

F.A.U. RTE. 2678	SECTION 11-00044-00-RS	COUNTY DuPage	TOTAL SHEETS 28	SHEET NO. 1
CONTRACT NO. 61A04		ILLINOIS		



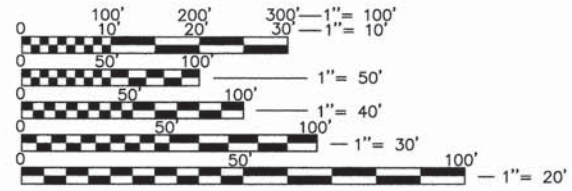
LOCATION OF SECTION INDICATED THUS: — ■ —

LOCATION MAP  
(NOT TO SCALE)  
R:1E



END  
IMPROVEMENT  
STA. 227+32.83

BEGIN  
IMPROVEMENT  
STA. 200+01.32



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 MANAGER:  
PROJECT ENGINEER:

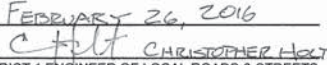
CONTRACT NO. 61A04

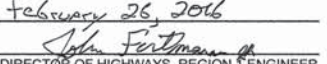
 ENGINEERING RESOURCE ASSOC., INC.  
CONSULTING ENGINEERS, SCIENTISTS & SURVEYORS  
35701 WEST AVENUE, SUITE 150  
WARRENVILLE, ILLINOIS 60555  
PHONE (630) 393-3060 FAX (630) 393-2152  
Professional Design Firm No. 184-001186  
Expires April 30, 2015



GROSS LENGTH OF IMPROVEMENT = 2734 FEET (0.52 MILES)  
NET LENGTH OF IMPROVEMENT = 2734 FEET (0.52 MILES)

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

APPROVED   
DAVID T. PRUSSIC, P.E.  
VILLAGE OF BURR RIDGE, VILLAGE ENGINEER

PASSED FEBRUARY 26, 2016  
  
CHRISTOPHER HOYT  
DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID  
BASED ON LIMITED  
REVIEW February 26, 2016  
  
JOHN FURTMAN  
DEPUTY DIRECTOR OF HIGHWAYS, REGION 1 ENGINEER

 BY:  DATE: 2/26/16  
LICENSE EXPIRES: NOV. 30, 2017

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

FEDERAL AID PROGRAM ENGINEER: CHARLES F. RIDDLE, P.E. 847-705-4021, SCHAUMBURG, IL

W:\Burr Ridge\120702-00 Garfield Street L&O\CADD\Job. 2016 Revisions\120702 COHEC.dwg Updated by: ramer 2/17/2016

**GENERAL NOTES**

**SPECIFICATIONS, STANDARDS, AND SPECIAL PROVISIONS**  
 All construction shall be done in accordance with the "Standard Specifications for Road and Bridge Construction" adopted April 1, 2016 (hereinafter referred to as the Standard Specifications); the IDOT Supplemental Specifications and Recurring Special Provisions; the latest edition of the "Illinois Manual on Uniform Traffic Control Devices for Streets and Highways"; the "Standard Specifications for Water and Sewer Main Construction in Illinois", Seventh Edition; details in the plans; and Special Provisions included in the contract documents.

All traffic control and advisory signs needed for construction shall be furnished by the Contractor in accordance with Article 107.14 and 107.25 of the Standard Specifications. Signs and flaggers shall be promptly posted, and unused or obsolete signs shall be removed. Failure to correct a deficiency will result in traffic control deficiency in accordance with Article 105.03(b).

The Contractor shall at all times provide protection for traffic as called for in the application of traffic control devices, the Standard Specifications, the Special Provisions, and the plans.

**UTILITIES**  
 Before starting any excavation, the contractor shall call "JULIE" at 1800-892-0123 or 811 for field locations of buried electric telephone and gas facilities. 48 hours notification is required.

The Contractor shall be responsible for contacting the owners of all utilities prior to construction to determine the location of all existing and proposed utility equipment. The Contractor shall coordinate with all utility owners as provided for in the Standard Specifications if utility relocation, adjustment, or protection is necessary.

The location of existing drainage structures, storm sewers, water mains, sanitary sewers, and any other public or private utilities as shown on the plans is approximate, and their exact location is to be determined in the field by the Contractor. This work shall be considered included in the cost of the mobilization.

The Contractor shall be responsible for the protection of all underground and surface public and private utilities even though they may not be shown on the plans. Any utility damaged during construction shall be restored to a condition equal to that existing before the damage occurred. Repairs shall be arranged by the private individual(s) or utility company and shall be in accordance with articles 107.20 and 107.31.

**MISCELLANEOUS**  
 It is the Contractor's responsibility to ascertain existing field conditions before bidding on this contract.

Before beginning any work, the contractor shall retain and record for future reference, all existing pavement marking lines (raised reflective pavement markers) in order that these locations can be re-established for striping, exact locations of all pavement markings shall be as directed by the engineer.

Sawing of removal items as noted on the plans, specified in the Standard Specifications, or as required by the Engineer shall be included in the cost of the item being removed.

When milled pavement is open to traffic, the maximum grade differential between passes of the milling machine shall not exceed 1 1/2 inches where the speed limit is 45 mph or less and 1 inch where the speed limit is 45 mph with written approval from the resident engineer. A maximum grade differential of 3 inches may be allowed if the edge of the milling is sloped a minimum of 1:3 (V:H).

Any damage to existing pavement markings or raised reflective pavement markers outside the removal line shown on the plans, due to the contractor's actions, shall be replaced at the contractor's expense.

Drainage adjustment or reconstruction locations will be determined in the field by the engineer.

It shall be the contractor's responsibility to verify all dimensions and conditions existing in the field prior to construction and ordering of materials.

The Contractor shall fill all core holes in the roadway with non-shrink grout within 3 working days, unless directed otherwise by the Engineer.

Where the proposed work abuts existing pavement to remain in place, the existing pavement shall be sawcut to provide a neat vertical face between the proposed and existing surfaces. Saw cutting shall be included in the cost of contract unit prices for proposed work.

Driveways shall be accessible at all times and may require sectional pours. This work shall be considered included in the cost of the PCC driveway pavement pay item.

Do not scale plans for construction dimensions.

**TREE PROTECTION**  
 • The preservation of existing trees is of utmost importance to the Village of Burr Ridge. All tree protection, tree removal, pruning and root pruning shall be completed before construction operations commence in any area. At no time shall the contractor prune or remove any trees unless specifically directed by the Engineer.

• The Contractor shall take extra care in grading and excavating near trees which are not marked for removal so as not to cause injury to the root system or trunks. Roots of a tree that are to remain in place extending into the excavation areas at an elevation that would interfere with any portion of the planned construction shall be severed at a point immediately outside of the excavation area in a manner that will cause the least amount of systemic damage to the remaining tree structure. Any damage done to existing items by the contractor shall be repaired by the contractor at the contractor's own expense.

• Prune tree limbs that might be damaged by equipment operations at least one week prior to the start of construction by a certified arborist. Any tree limbs that are broken by construction equipment after the initial pruning must be pruned correctly within 72 hours.

**INDEX OF SHEETS**

1. COVER SHEET, INDEX OF SHEETS, LOCATION MAP
2. GENERAL NOTES, SCHEDULES
3. SUMMARY OF QUANTITIES
- 4.-5. TYPICAL SECTIONS
6. ALIGNMENT & TIES, BENCHMARKS
7. TERMINI DETAILS
- 8.-13. PLAN AND PROFILE SHEETS
- 14.-15. INTERSECTION DETAILS
16. PAVEMENT MARKING PLAN
17. DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING (BD-8)
18. PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT (BD-22)
19. CURB AND GUTTER REMOVAL AND REPLACEMENT (BD-24)
20. BUTT JOINT AND HMA TAPER DETAILS (BD-32)
21. TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS (TC-10)
22. DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)
- 23-28. CROSS SECTIONS

**STATE STANDARDS**

- 000001-06 Standard Symbols, Abbreviations and Pattern
- 001001-02 Areas of Reinforcement Bars
- 280001-07 Temporary Erosion Control Systems
- 424001-08 Perpendicular Curb Ramps for Sidewalks
- 442201-03 Class C and D Patches
- 602011-02 Catch Basin, Type C
- 604006-05 Frame and Grate Type 3
- 606001-06 Concrete Curb Type B and Combination Concrete Curb and Gutter
- 701006-05 Off Road Operations, 2L, 2W, 15' (4.5m) to 24" (600mm) From Pavement Edge
- 701301-04 Lane Closure, 2L, 2W, Short Time Operations
- 701311-03 Lane Closure, 2L, 2W, Moving Operations - Day Only
- 701501-06 Urban Lane Closure, 2L, 2W, Undivided
- 701801-06 Sidewalk, Corner, or Crosswalk Closure
- 701901-05 Traffic Control Devices
- 720001-01 Sign Panel Mounting Details
- 720006-04 Sign Panel Erection Details
- 720011-01 Metal Posts for Signs, Markers and Delineators
- 728001-01 Telescoping Steel Sign Support
- 780001-05 Typical Pavement Markings

**PATCHING SCHEDULE**

CLASS D PATCHES, TYPE II, 6 INCH				
Station	Length (ft)	Width (ft)	Area (SF)	Area (SY)
203+35	40	3	120	14
209+13	3	24	72	8
214+68	3	24	72	8
216+00	25	3	75	9
217+05	20	2	40	5
217+35	5	24	120	14
218+43	3	24	72	8
219+60	50	2	100	12
219+85	20	4	80	9
220+28	3	24	72	8
223+70	35	3	105	12
Total Square Yards				107
CLASS D PATCHES, TYPE III, 6 INCH				
Station	Length (ft)	Width (ft)	Area (SF)	Area (SY)
206+50	65	2	130	15
208+60	65	3	195	22
212+30	40	5	200	23
Total Square Yards				60
CLASS D PATCHES, TYPE IV, 6 INCH				
Station	Length (ft)	Width (ft)	Area (SF)	Area (SY)
202+20	80	4	320	36
203+35	105	4	420	47
216+25	175	4	700	78
220+71	81	4	324	36
223+65	110	3	330	37
226+25	75	5	375	42
Total Square Yards				276

\*Exact location and size of patches will be determined in the field by Engineer.

PLAN	REVISION	DATE
NOTE BOOK	NO.	
NO.		
NO.		
NO.		
NO.		
NO.		
NO.		

PROFILE	REVISION	DATE
NOTE BOOK	NO.	
NO.		
NO.		
NO.		
NO.		
NO.		
NO.		



ENGINEERING RESOURCE ASSOCIATES, INC. CONSULTING ENGINEERS, SCIENTISTS & SURVEYORS	USER NAME = rtonner	DESIGNED -- EW	REVISED -- --
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	PLLOT DATE = 2/12/2016	DATE -- 02/12/16	REVISED -- --

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES,  
SCHEDULES**

SCALE: N.T.S.	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2678	II-00044-00-RS	DUPAGE	28	2
CONTRACT NO. 61A04			ILLINOIS FED. AID PROJECT	

### SUMMARY OF QUANTITIES

0005

0005

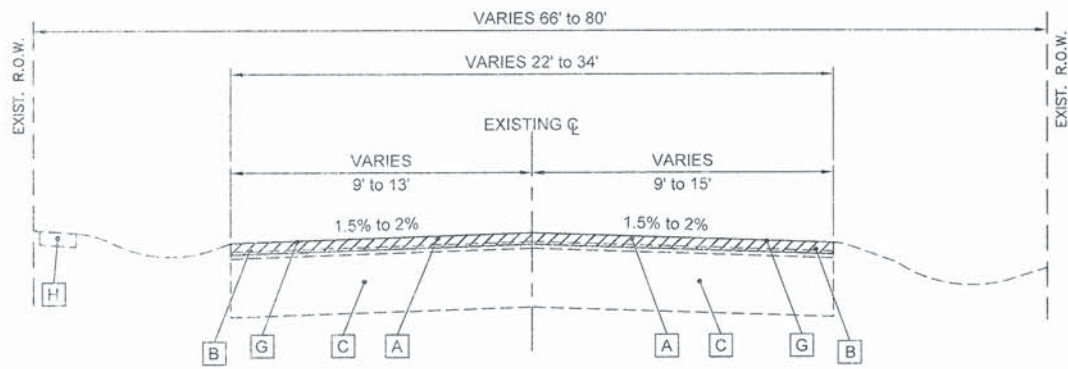
PAY ITEM #	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
20101000	TEMPORARY FENCE	FOOT	500
20101200	TREE ROOT PRUNING	EACH	10
20200100	EARTH EXCAVATION	CU YD	155
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	38
20400800	FURNISHED EXCAVATION	CU YD	110
20800150	TRENCH BACKFILL	CU YD	5
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	1,225
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	15
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	15
25200100	SODDING	SQ YD	1,225
25200200	SUPPLEMENTAL WATERING	UNIT	8
31101400	SUBBASE GRANULAR MATERIAL, TYPE B, 6"	SQ YD	595
35600704	HOT-MIX ASPHALT BASE COURSE WIDENING, 7"	SQ YD	595
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	5,600
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	13
40600825	POLYMERIZED LEVELING BINDER (MACHINE METHOD), N50	TON	375
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	295
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	735
42400800	DETECTABLE WARNINGS	SQ FT	150
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	8,100
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	110
44000600	SIDEWALK REMOVAL	SQ FT	2,270
44201717	CLASS D PATCHES, TYPE II, 6 INCH	SQ YD	107

PAY ITEM #	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
44201721	CLASS D PATCHES, TYPE III, 6 INCH	SQ YD	60
44201723	CLASS D PATCHES, TYPE IV, 6 INCH	SQ YD	276
48101200	AGGREGATE SHOULDERS, TYPE B	TON	25
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	23
56400300	FIRE HYDRANTS TO BE ADJUSTED	EACH	1
60201105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	1
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	3
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	364
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	9.5
67100100	MOBILIZATION	L SUM	1
* 66900450	SPECIAL WASTE PLANS AND REPORTS	L SUM	1
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	1
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	280
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	95
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	65
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	8,200
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	295
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	140
X0327008	REMOVE AND RELOCATE SIGN (SPECIAL)	EACH	1
X4240430	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL	SQ FT	2,270
Z0013798	CONSTRUCTION LAYOUT	L SUM	1
52200800	SEGMENTAL CONCRETE BLOCK WALL	SQ FT	300
XX008645	TEMPORARY INFORMATIONAL SIGNING	EACH	2

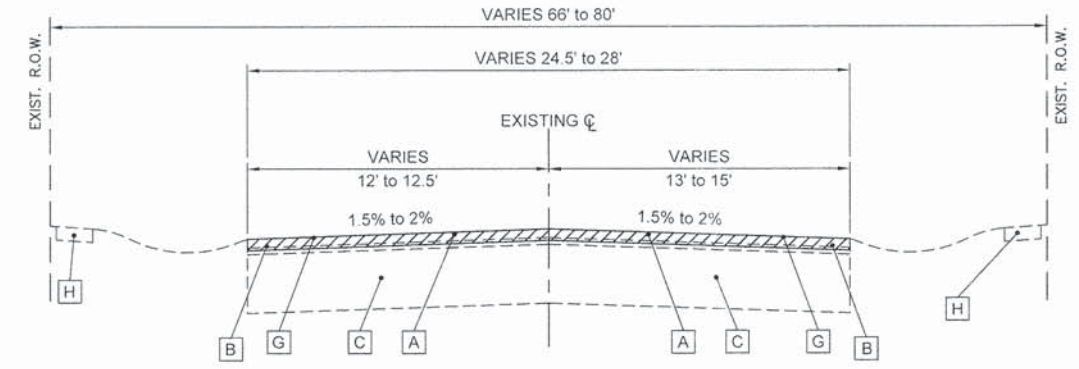
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PLAN NO. \_\_\_\_\_

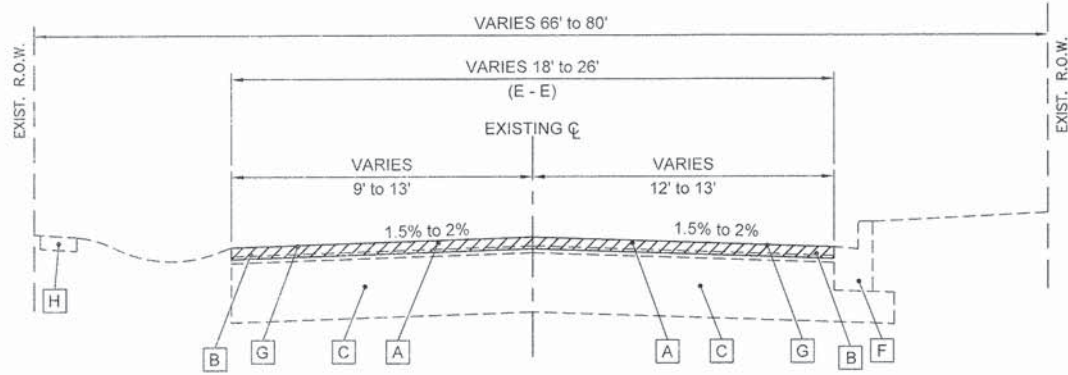
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NOTE BOOK NO. \_\_\_\_\_  
PROFILE NO. \_\_\_\_\_



**EXISTING TYPICAL SECTION #1**  
 STA. 203+90 to STA. 206+45, GARFIELD STREET  
 STA. 209+05 to STA. 210+07, GARFIELD STREET  
 STA. 218+72 to STA. 221+62, GARFIELD STREET



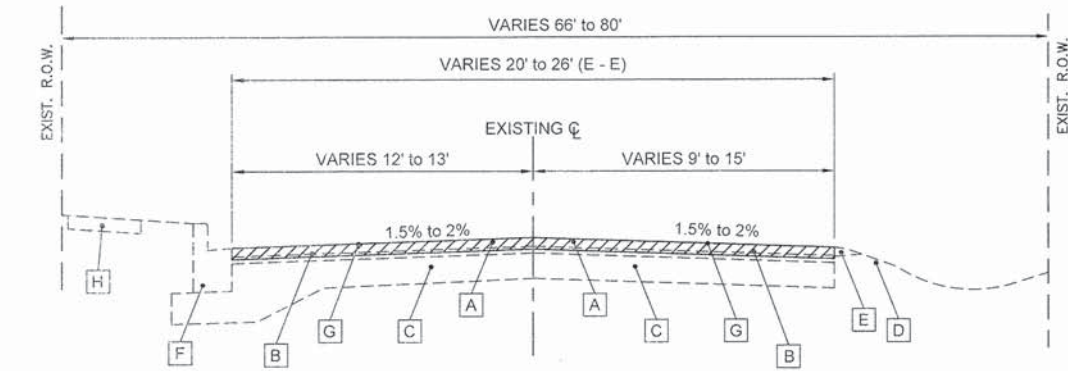
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 STA. 221+64 to STA. 226+49, GARFIELD STREET



**EXISTING TYPICAL SECTION #2**  
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 STA. 221+62 to STA. 221+84, GARFIELD STREET  
 STA. 226+49 to STA. 227+32.83, GARFIELD STREET

**EXISTING TYPICAL SECTION LEGEND**

- A EXISTING HMA SURFACE COURSE, 1 1/2" (TYP)
- B EXISTING HMA BINDER COURSE, 1 1/2" (TYP)
- C EXISTING HMA BASE COURSE, 6" & VARIES (TYP)
- D EXISTING GROUND
- E EXISTING AGG SHOULDER, 2' WIDE
- F EXISTING COMBINATION CONCRETE CURB AND GUTTER, TY B-6.12
- G HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
- H EXISTING P.C.C. SIDEWALK



**EXISTING TYPICAL SECTION #3**  
 STA. 206+45 to STA. 209+05, GARFIELD STREET  
 STA. 210+07 to STA. 218+72, GARFIELD STREET



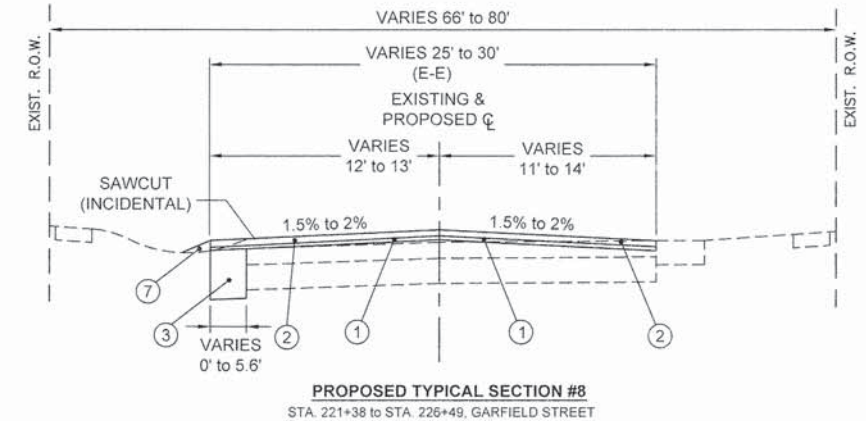
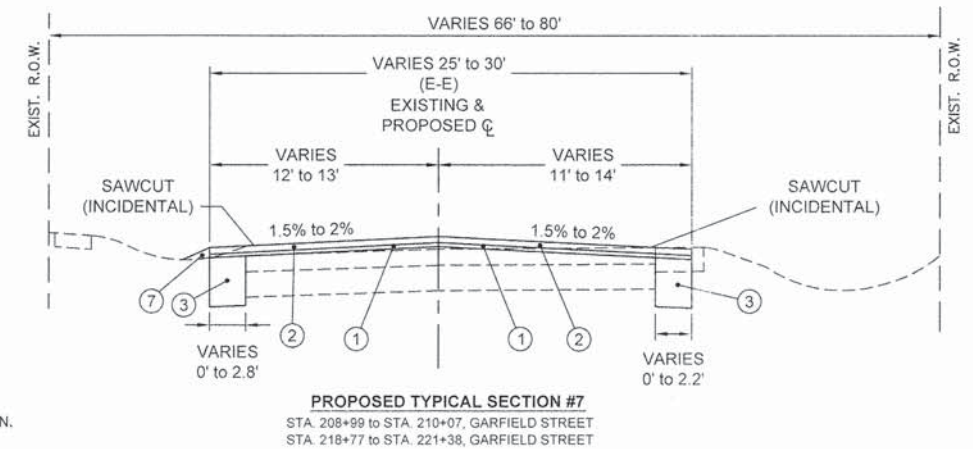
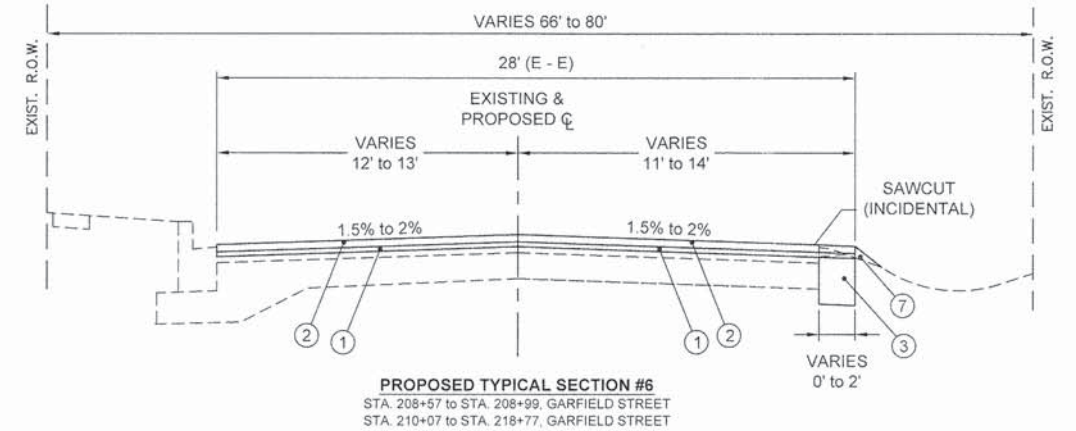
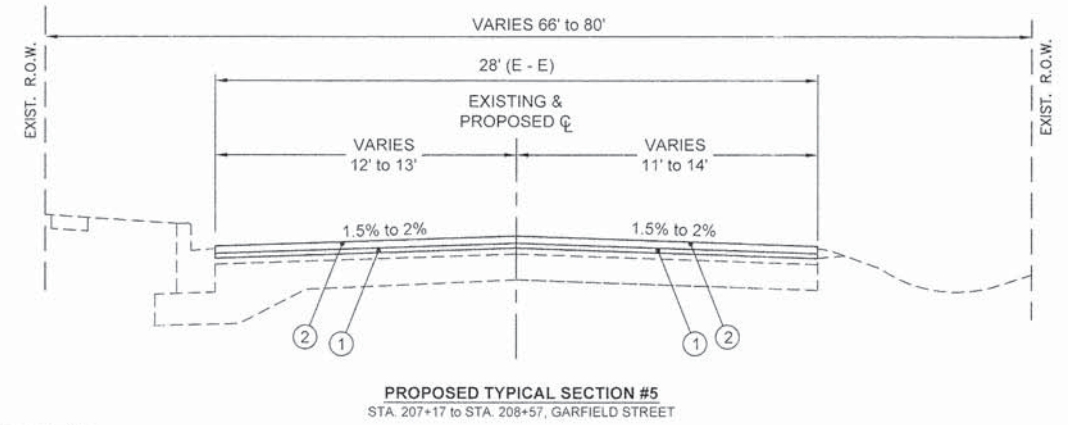
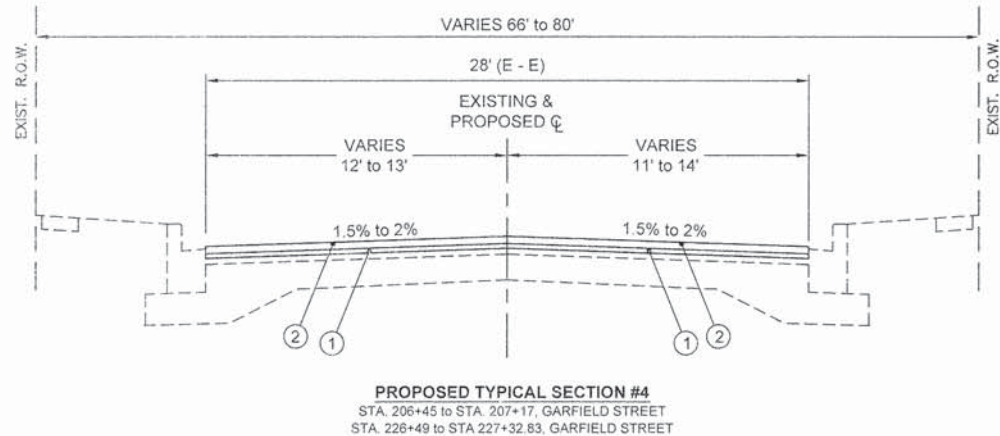
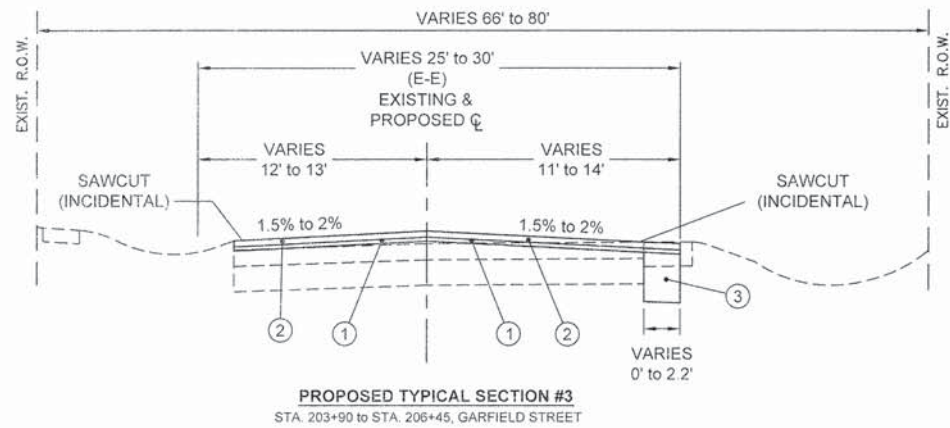
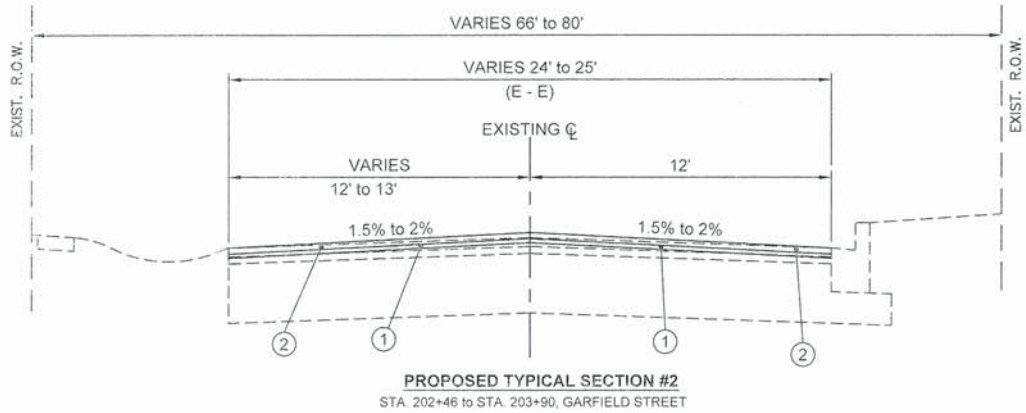
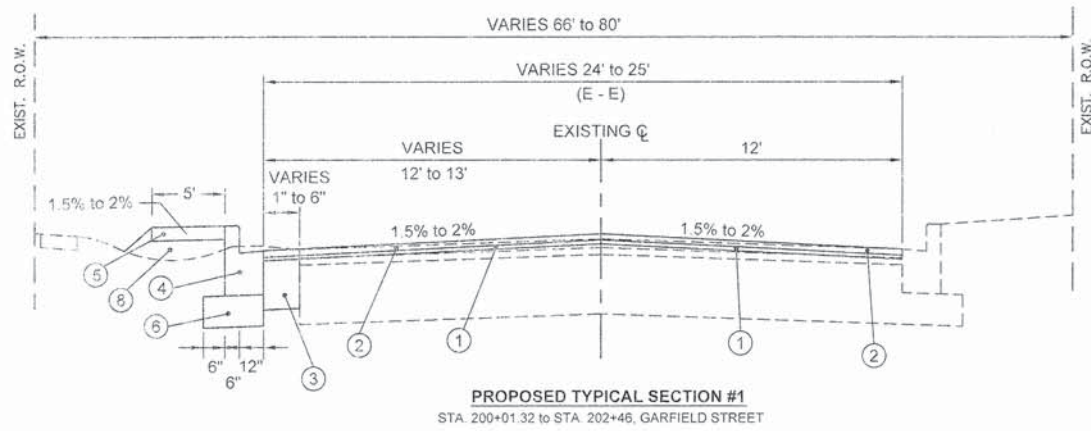
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PLOT SCALE = 1" = 30'	DATE -- 02/12/16	REVISED --
PLOT DATE = 3/2/2016		

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS  
 GARFIELD AVENUE

SCALE: N.T.S. SHEET NO. 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
267B	11-00044-00-RS	DUPAGE	28	4
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT			CONTRACT NO. 61A04	



**PROPOSED TYPICAL SECTION LEGEND**

- ① HOT-MIX ASPHALT POLYMERIZED LEVELING BINDER, MACHINE METHOD, N50 (3/4")
- ② HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (1 1/2")
- ③ HOT-MIX ASPHALT BASE COURSE WIDENING, 7"
- ④ COMBINATION CONCRETE CURB AND GUTTER, TY-B6.12
- ⑤ P.C.C. SIDEWALK
- ⑥ SUB-BASE GRANULAR MATERIAL TYPE B 6"
- ⑦ AGGREGATE SHOULDER TYPE B
- ⑧ FURNISHED EXCAVATION

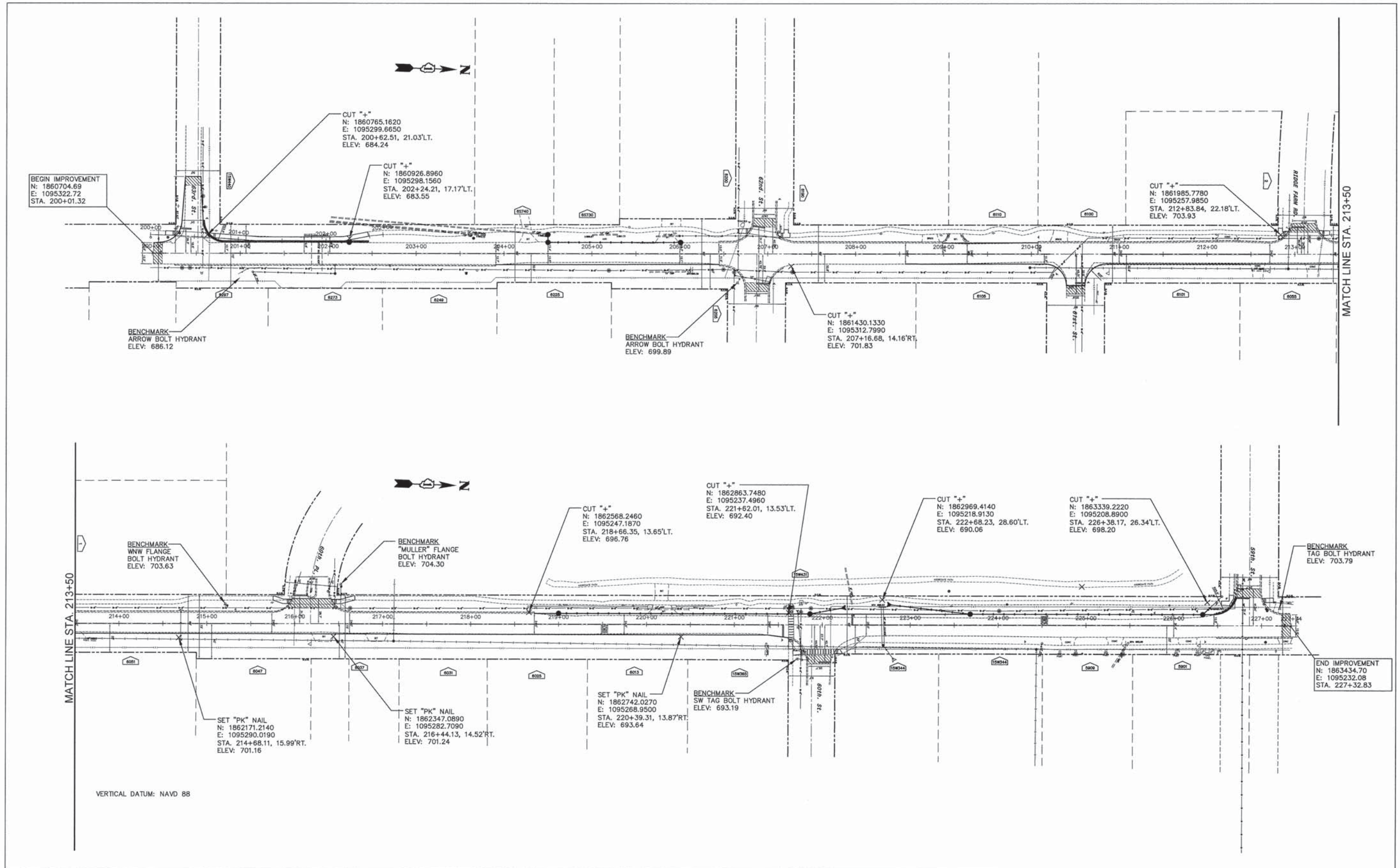
CONTRACTOR SHALL MILL BEFORE PATCHING

HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE TYPE	AIR VOIDS
HOT-MIX-ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm), 1 1/2"	4%@50 Gyr.
POLYMERIZED LEVELING BINDER (MACHINE METHOD), N50 (IL 4.75 mm), 3/4"	3.5%@50 Gyr.
CLASS D PATCHES (HMA BINDER IL-19 mm), 6" (2 LIFTS)	4%@70 Gyr.
HOT-MIX ASPHALT BASE COURSE WIDENING, 7" (2 LIFTS)	4%@50 Gyr.

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXING QUANTITIES IS 112 LBS./SQ.YD./IN. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR "PERCENT OF RAP AND RAS" SEE DISTRICT ONE SPECIAL PROVISIONS.

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	NO. OF PAGES
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DATE	
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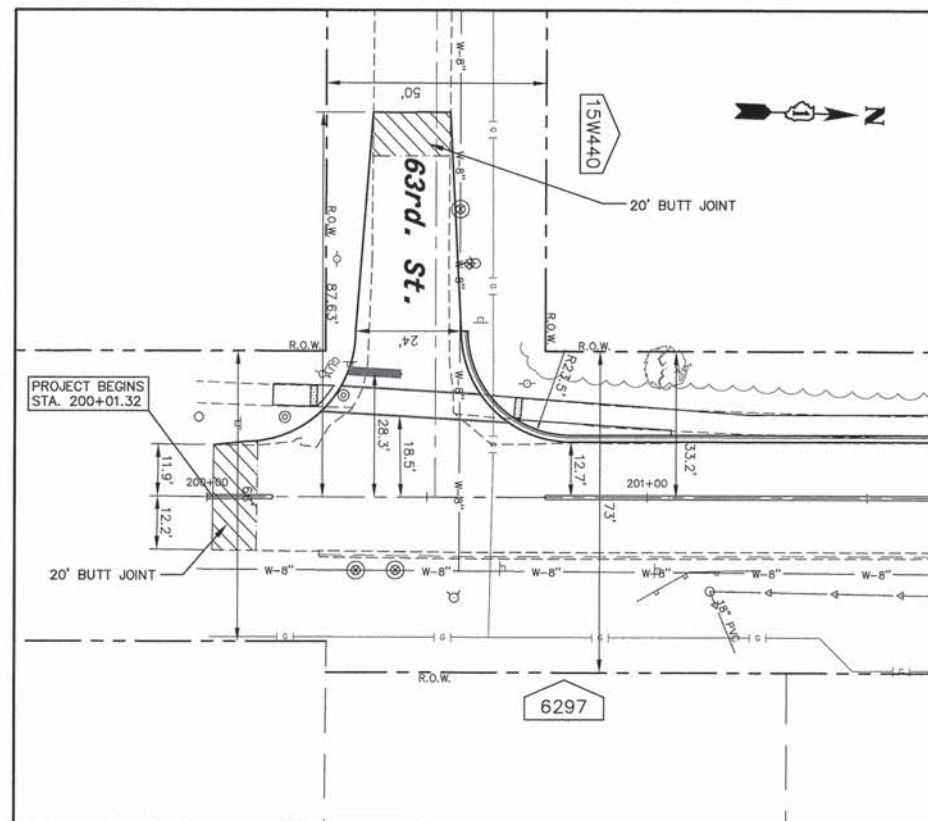


<p>ENGINEERING RESOURCE ASSOCIATES, INC. CONSULTING ENGINEERS, SCIENTISTS &amp; SURVEYORS</p>	USER NAME = rtonner	DESIGNED - EW	REVISED - ---	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>ALIGNMENT, TIES AND BENCHMARKS</b>		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT SCALE = 1/8"=1'	CHECKED - BD	REVISED - ---				CONTRACT NO. 6IA04				
	PLOT DATE = 2/12/2016	DATE - 02/12/16	REVISED - ---				FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				

SCALE: 1"=50'      SHEET NO. 1 OF 1 SHEETS      STA. 200+01.32 TO STA. 227+32.83

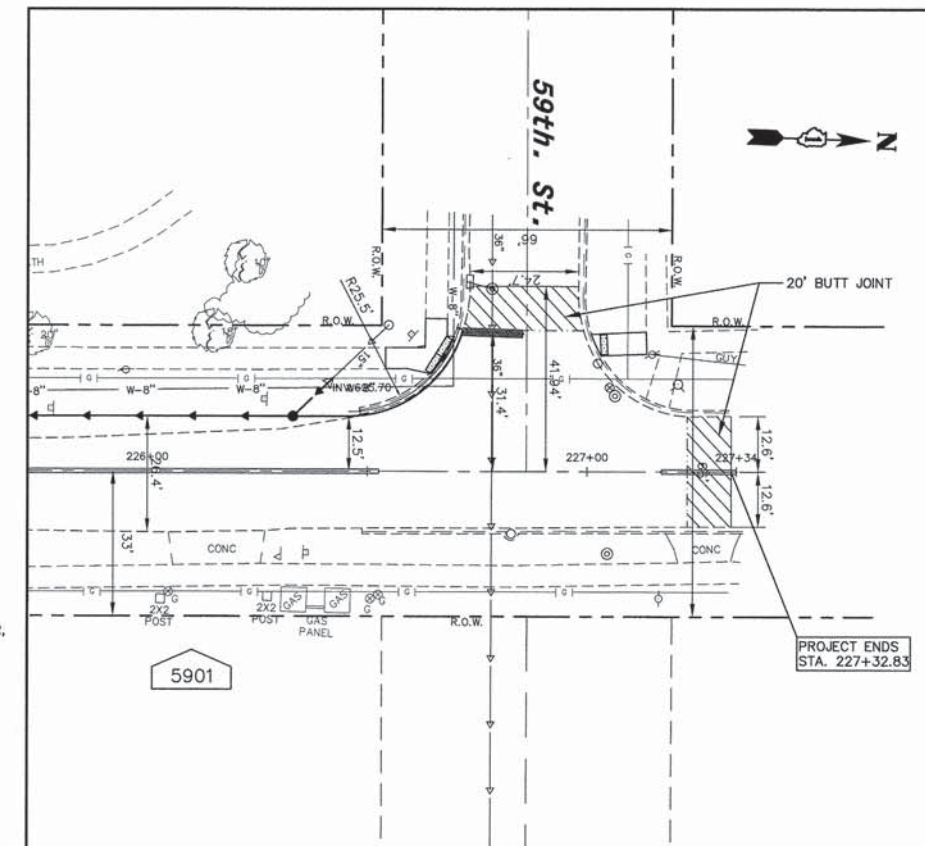
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SEGMENT A  
 FAU 2678 (GARFIELD STREET)  
 STA. 200+00 TO STA. 227+33

TYPICAL SECTION STA. 200+00 TO STA. 227+33  
 MILL 2 1/4" OF THE EXISTING HMA AND  
 REPLACE WITH 3/4" HMA POLYMERIZED LEVEL BINDER,  
 MACHINE METHOD, N50 AND  
 1 1/2" HMA SURFACE COURSE, MIX "D", N50



USER NAME = r1anner  
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 PLOT SCALE = 1/20' SCALE  
 PLOT DATE = 2/12/2016

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DATE	-	02/12/16	REVISED	-	---

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

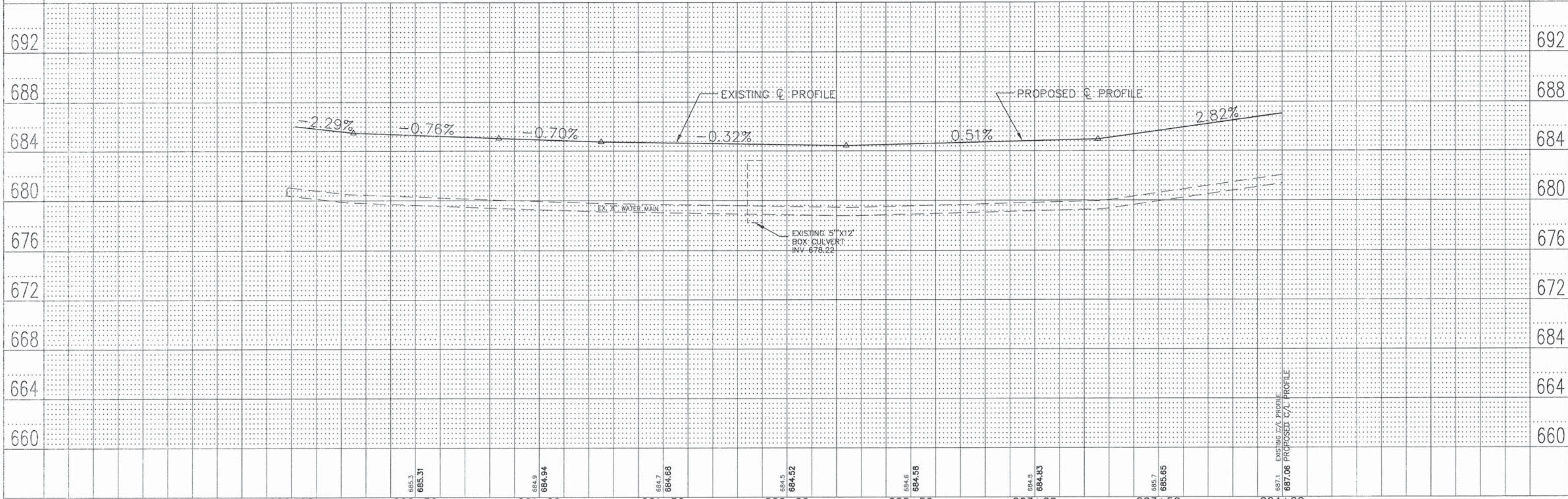
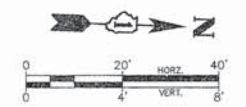
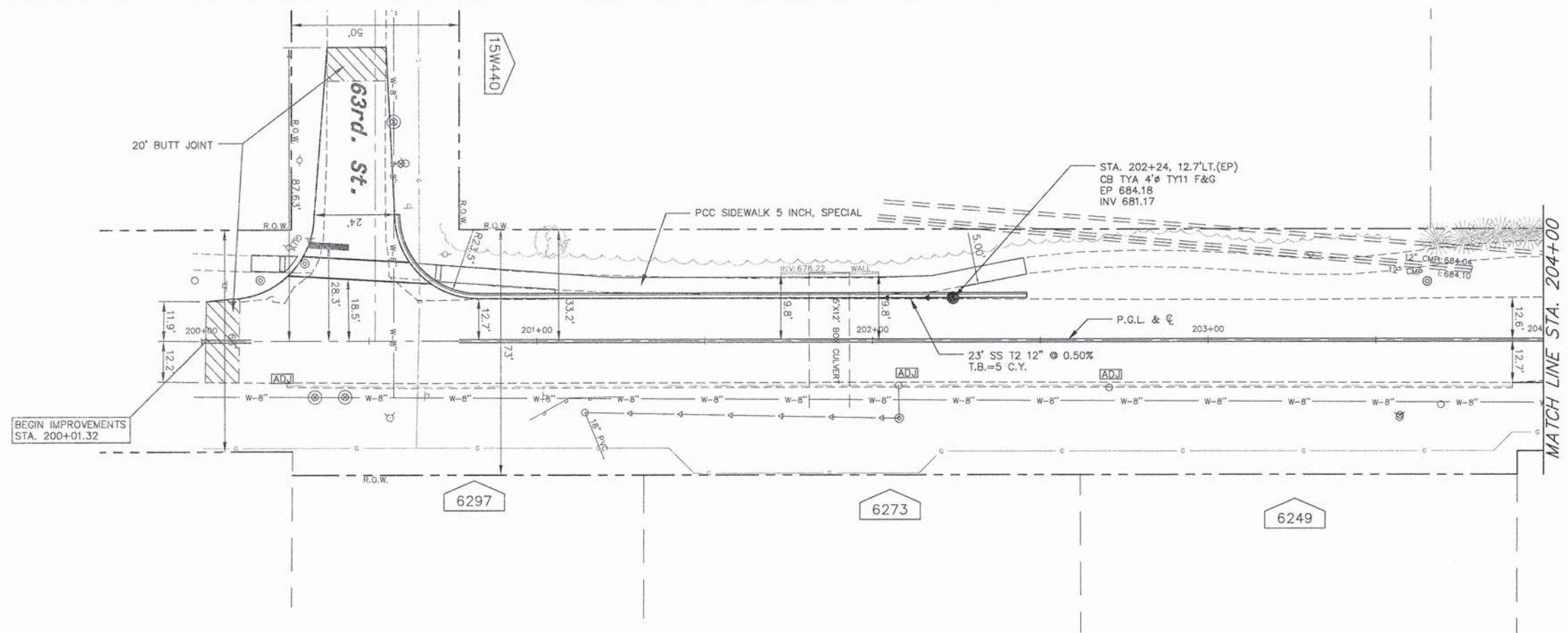
TERMINI DETAILS  
 GARFIELD AVENUE

SCALE: 1/20' SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2678	II-00044-00-RS	DuPage	28	7
CONTRACT NO. 61A04				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				

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200+00	200+50	201+00	201+50	202+00	202+50	203+00	203+50	204+00
	685.3 685.31	684.9 684.94	684.7 684.68	684.5 684.52	684.6 684.58	684.8 684.83	685.7 685.65	687.1 687.06

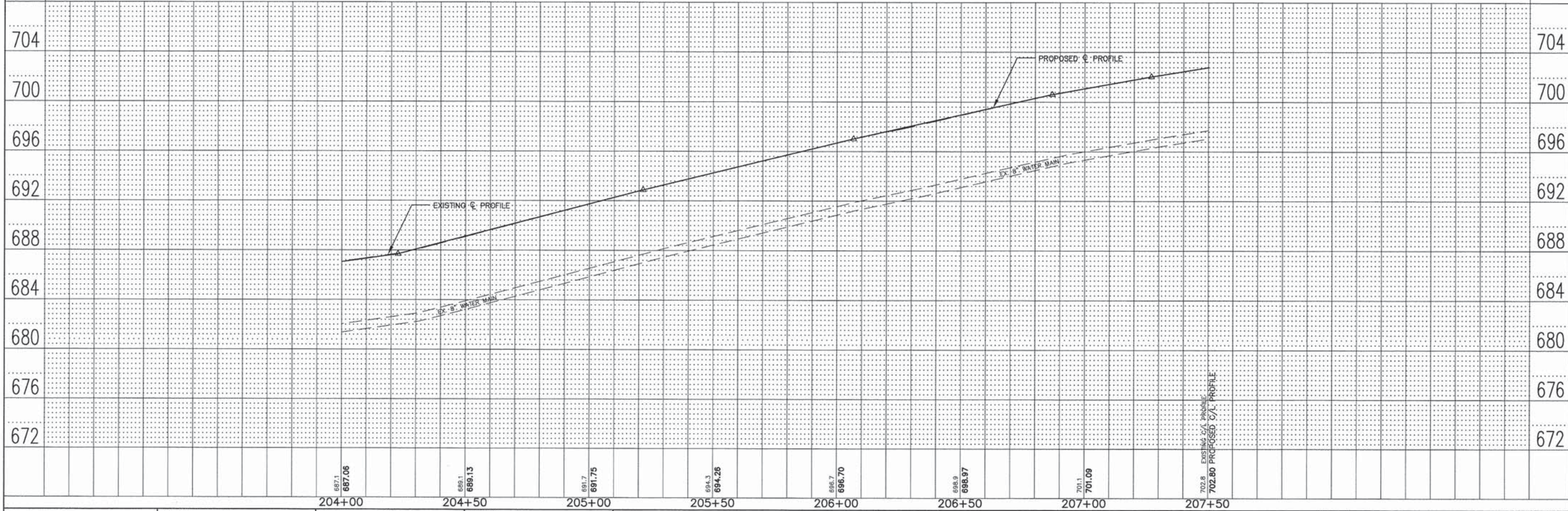
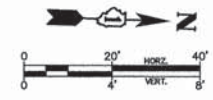
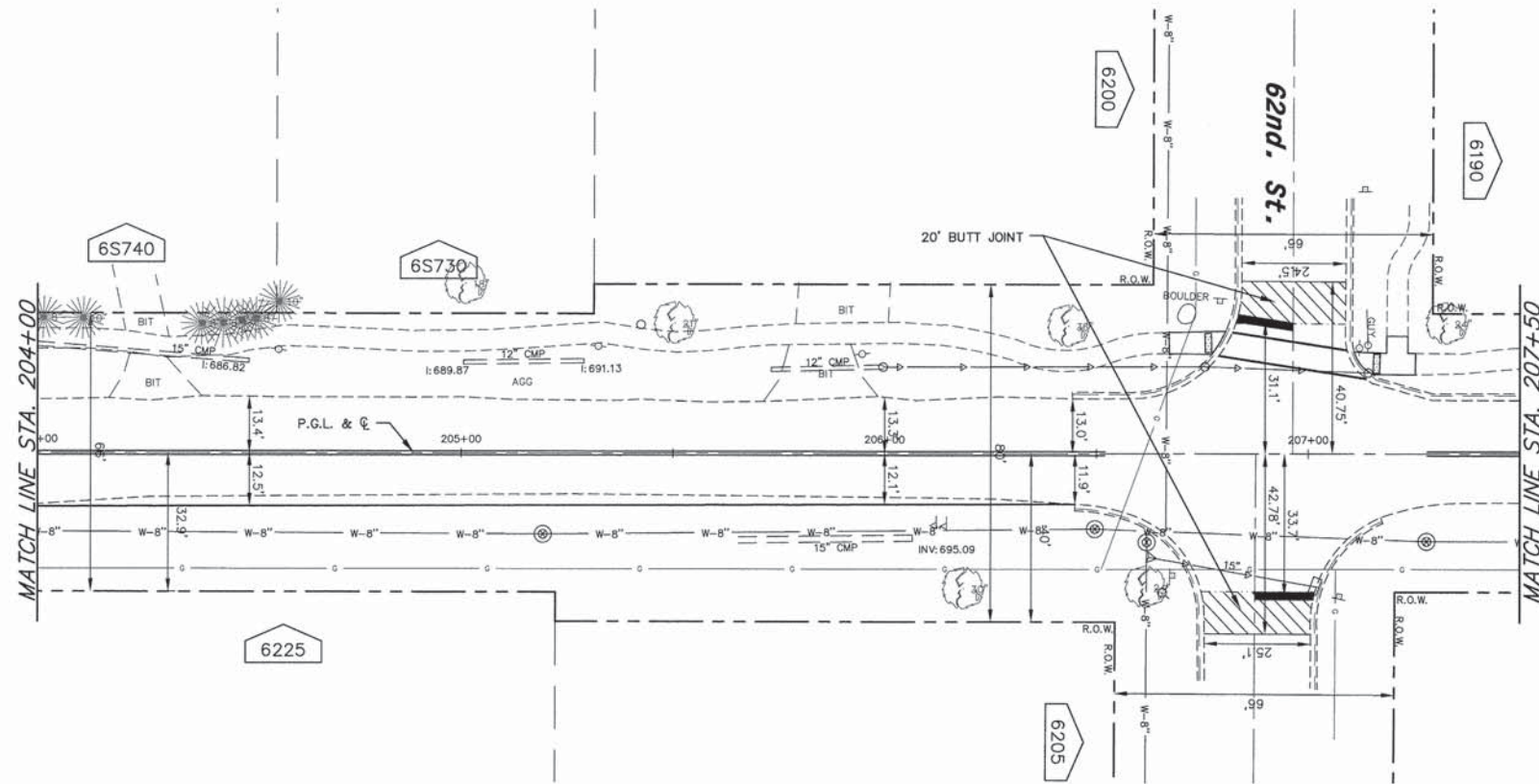
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PLOT SCALE = 1/8"=1'-0"	DATE = 02/12/16		

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GARFIELD AVENUE PLAN AND PROFILE	F.A. RTE. 2678	SECTION II-00044-00-RS	COUNTY DuPage	TOTAL SHEETS 28	SHEET NO. 8
SCALE: 1"=20'	SHEET NO. 1 OF 6 SHEETS	STA. 200+00 TO STA. 204+00	FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT			



PLAN	SURVEYED	DATE
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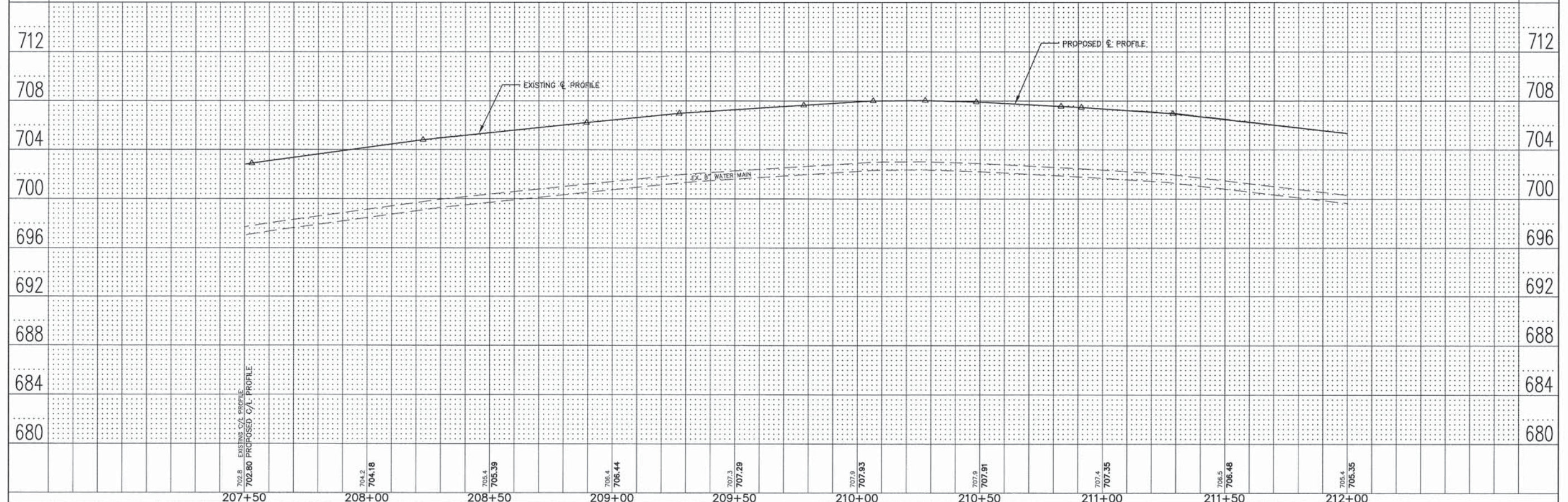
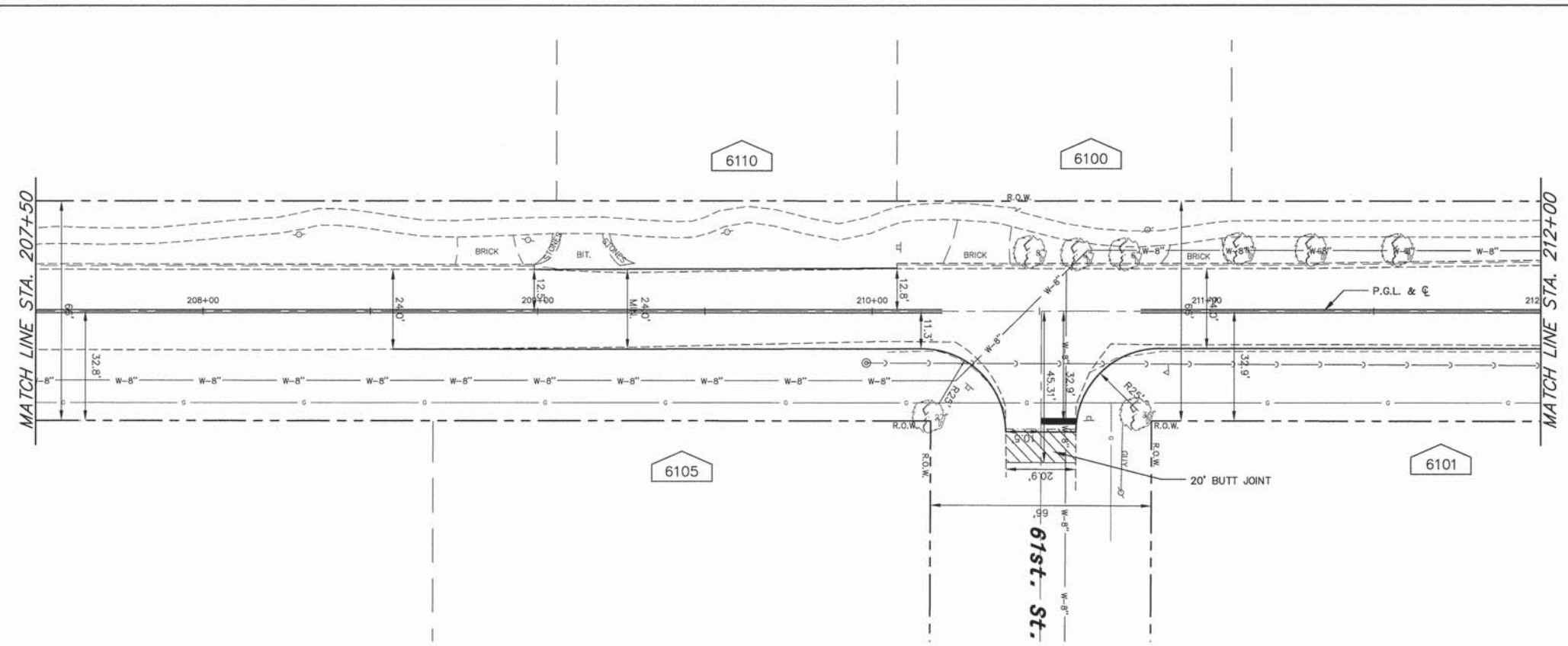
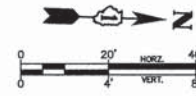
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	ENGINEERING RESOURCE ASSOCIATES, INC.	DESIGNED - EW	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GARFIELD AVENUE PLAN AND PROFILE	F.A. RTE. 2678	SECTION II-00044-00-RS	COUNTY DuPage	TOTAL SHEETS 28	SHEET NO. 9	
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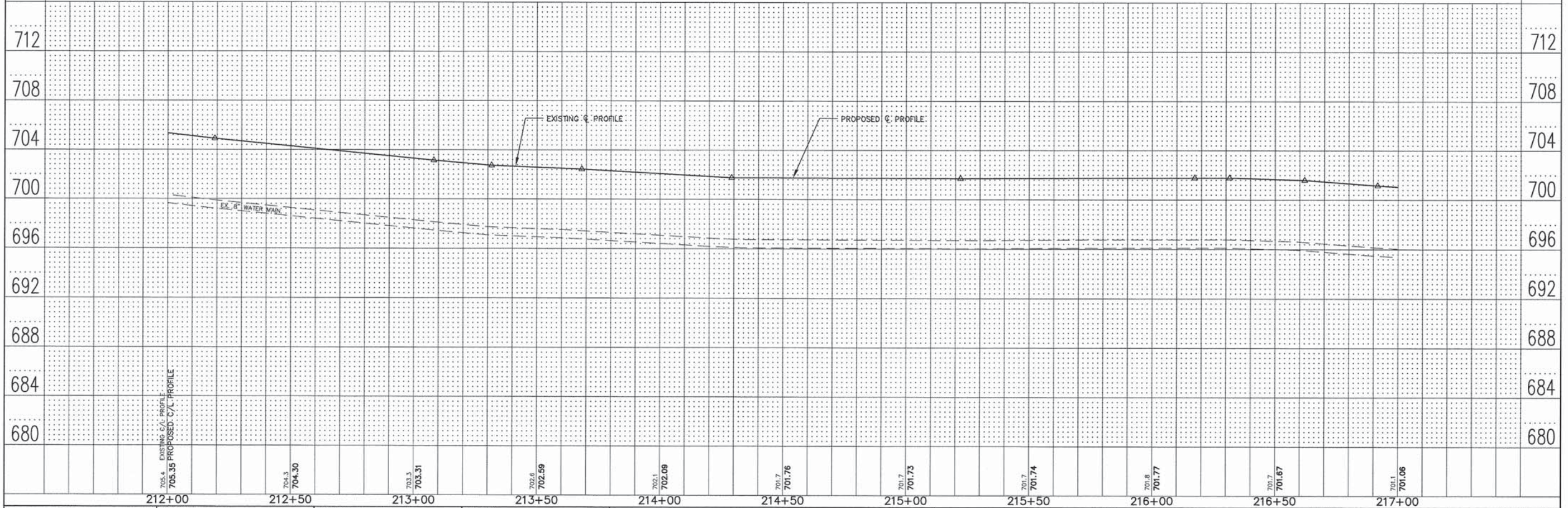
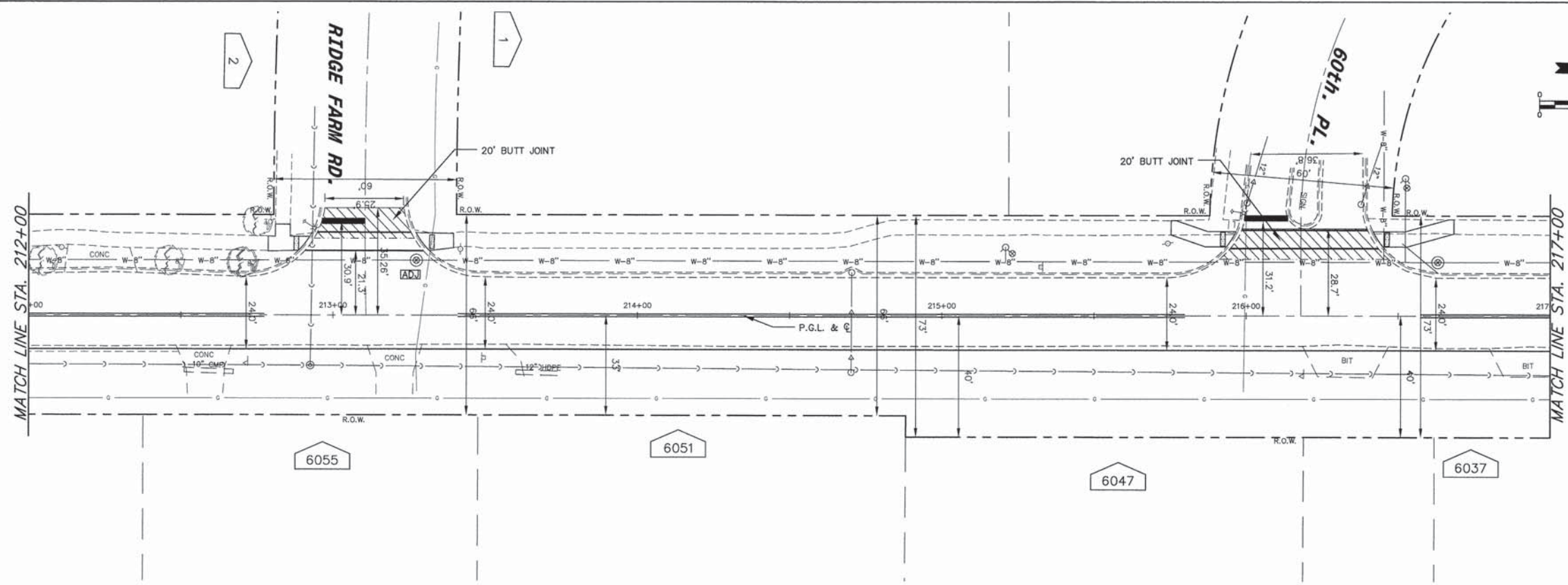
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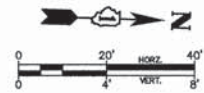
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	SCALE: 1"=20' SHEET NO. 3 OF 6 SHEETS STA. 207+50 TO STA. 212+00		FED. ROAD DIST. NO.   ILLINOIS   FED. AID PROJECT					

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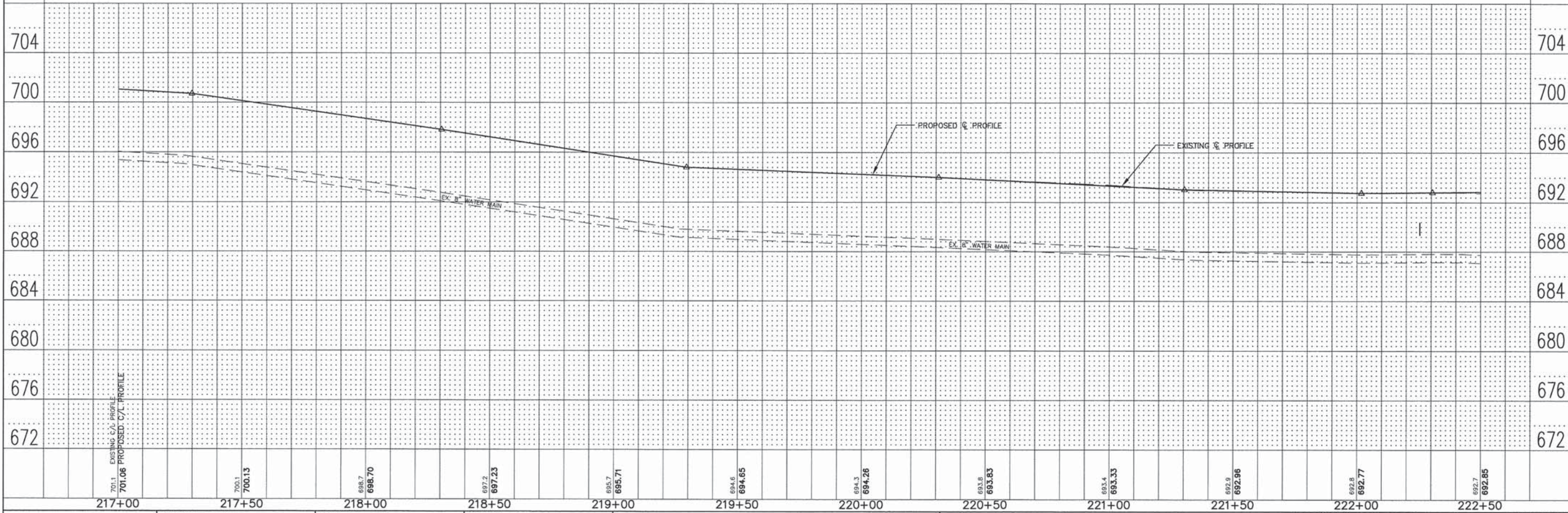
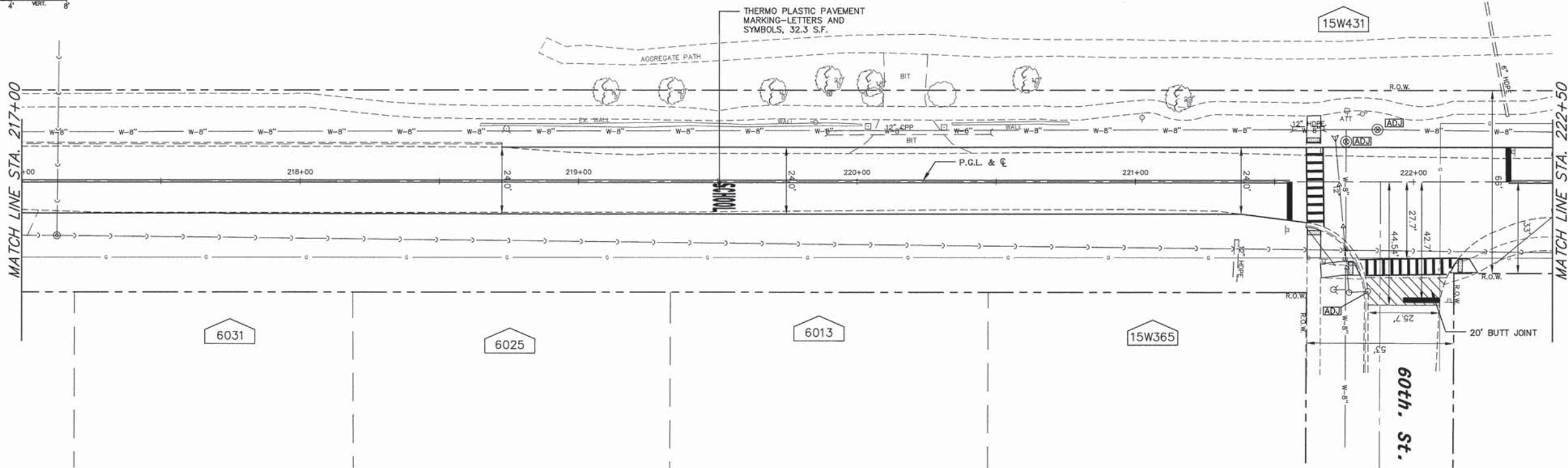


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**ENGINEERING RESOURCE ASSOCIATES, INC.**  
CONSULTING ENGINEERS, SCIENTISTS & SURVEYORS

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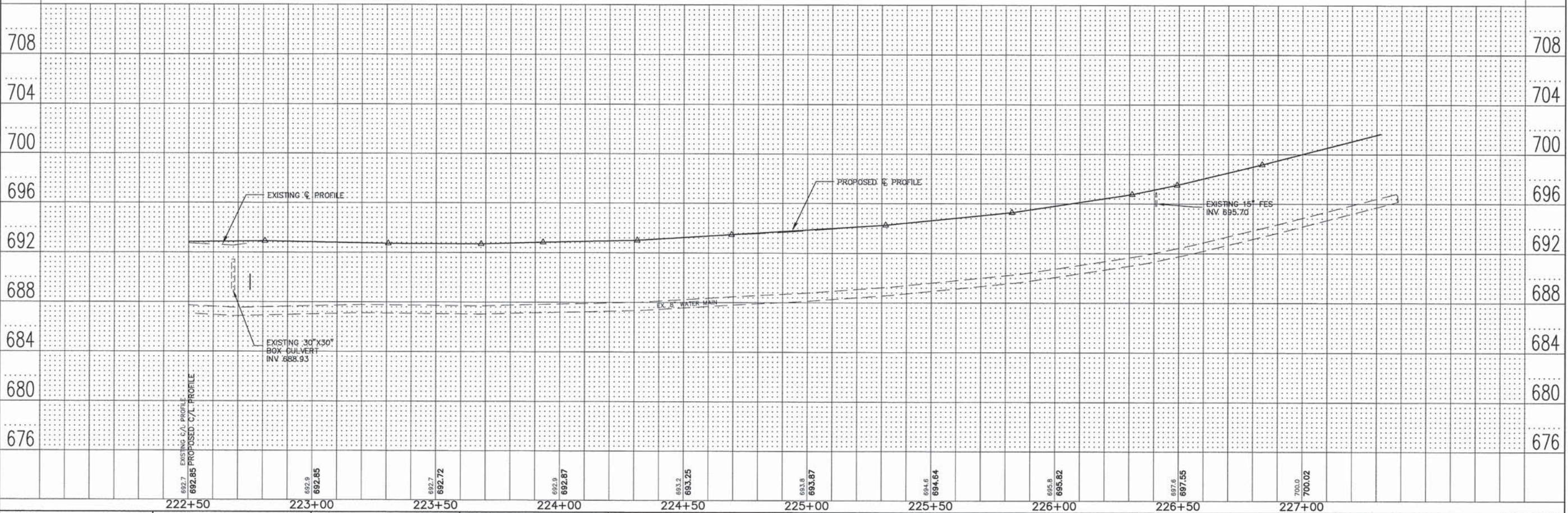
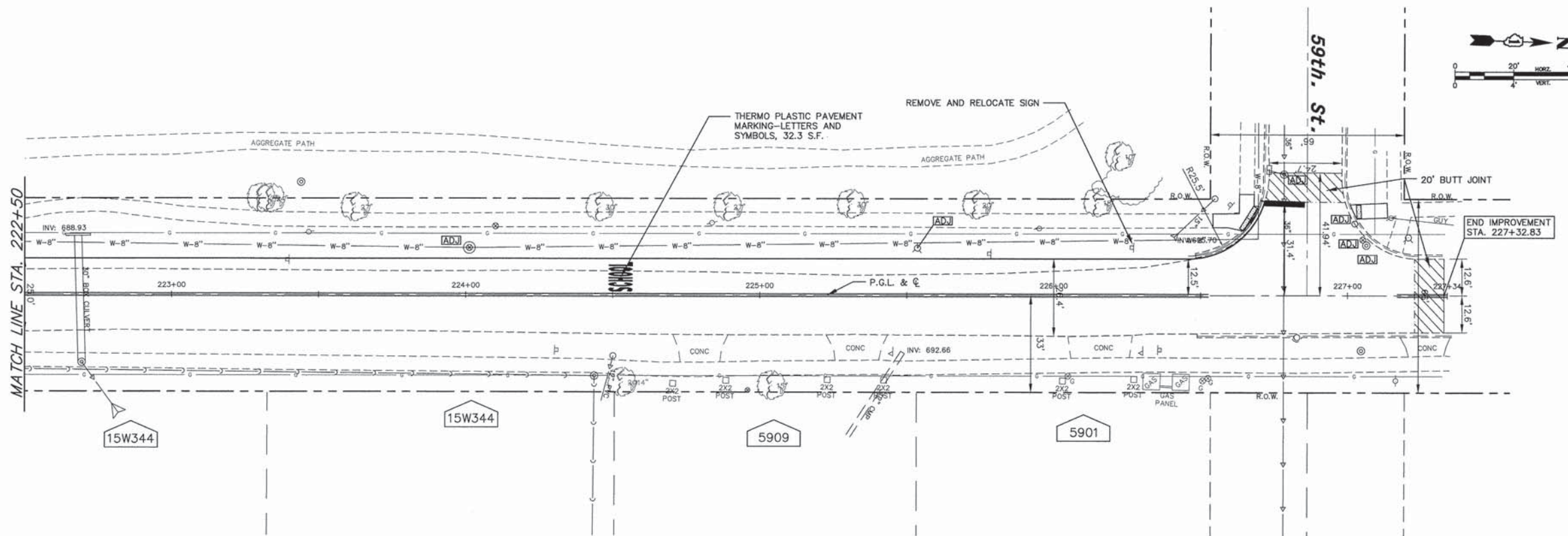
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DEPARTMENT OF TRANSPORTATION**

**GARFIELD AVENUE  
PLAN AND PROFILE**  
SCALE: 1"=20'  
SHEET NO. 5 OF 6 SHEETS  
STA. 217+00 TO STA. 222+50

F.A.U. RTE. 2678	SECTION II-00044-00-RS	COUNTY DuPage	TOTAL SHEETS 28	SHEET NO. 12
CONTRACT NO. 61A04			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	

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ENGINEERING  
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CONSULTING ENGINEERS, SCIENTISTS  
& SURVEYORS

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

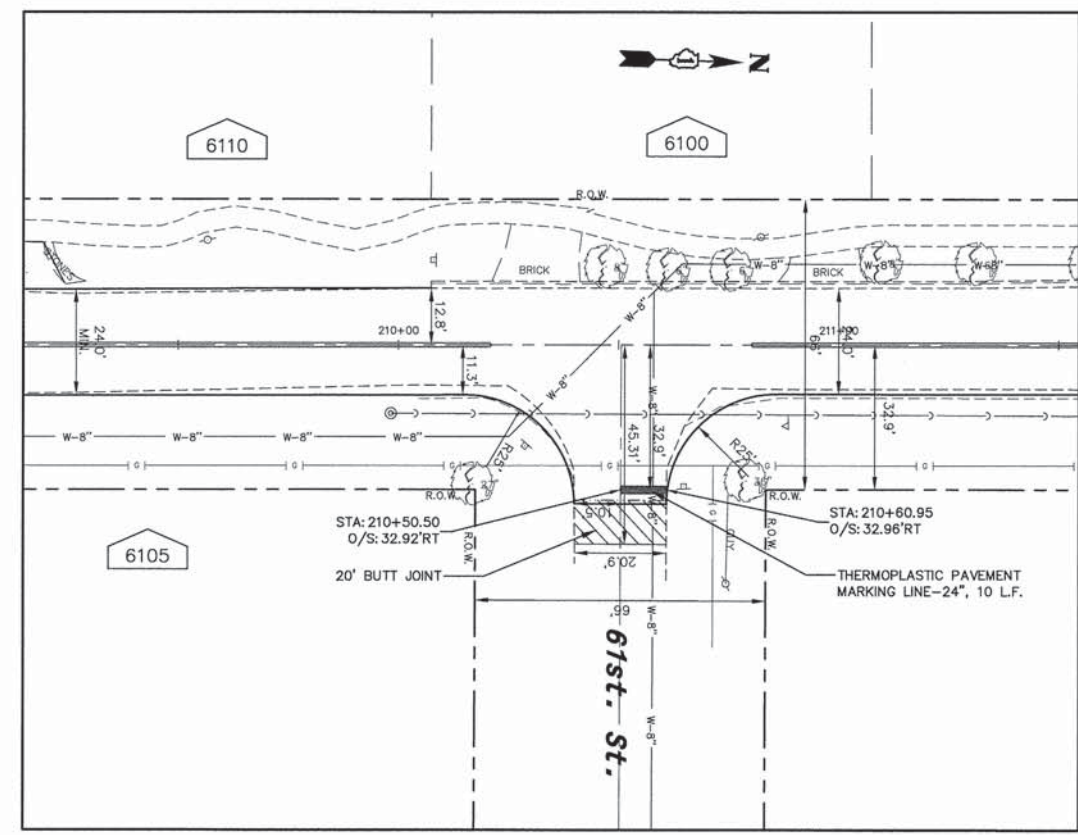
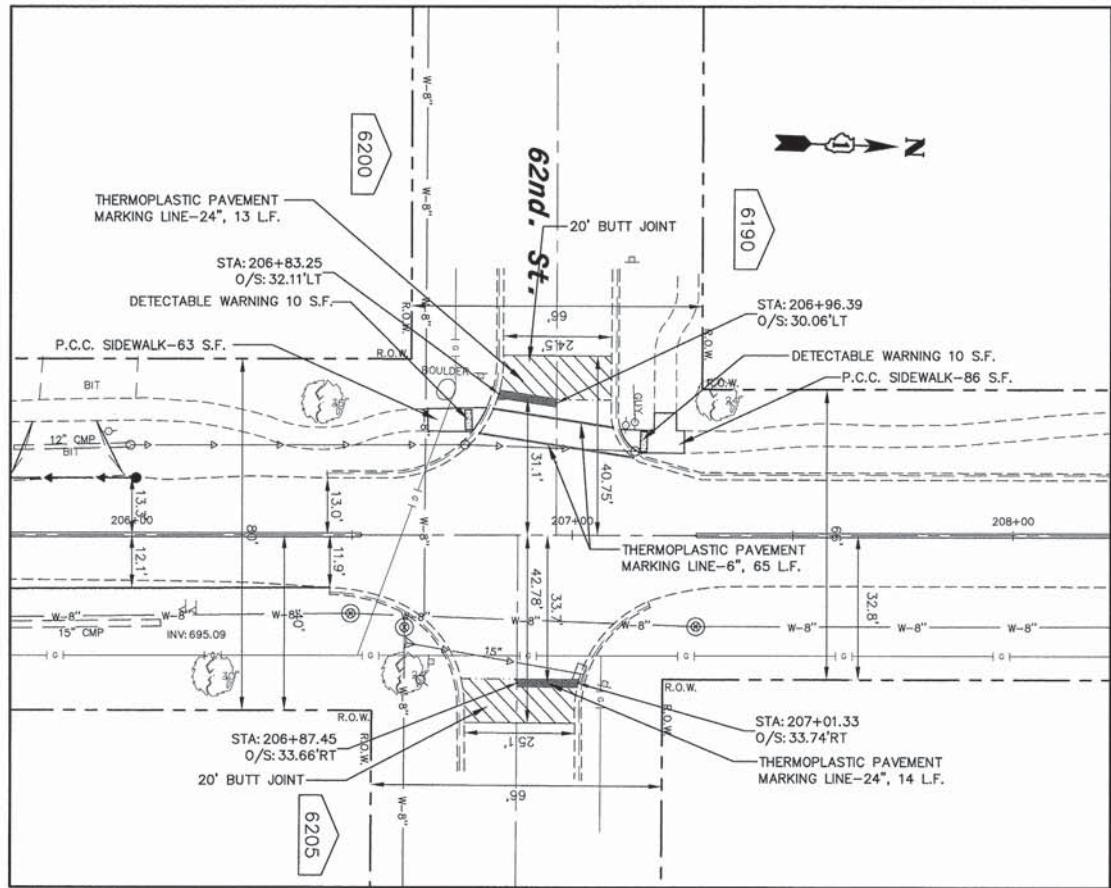
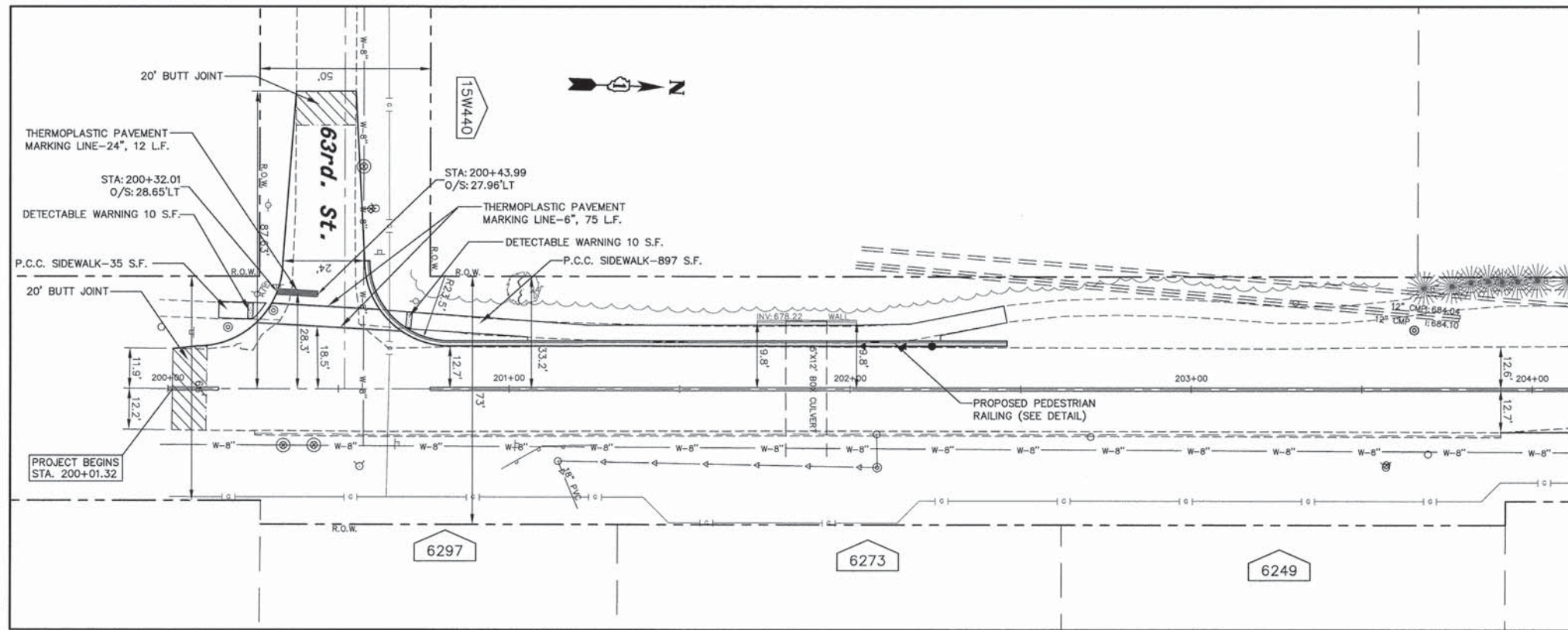
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PLAN AND PROFILE

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2678	II-00044-00-RS	DuPage	28	13
CONTRACT NO. 6IA04			FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT	

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ENGINEERING  
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ASSOCIATES, INC.  
CONSULTING ENGINEERS, SCIENTISTS  
& SURVEYORS

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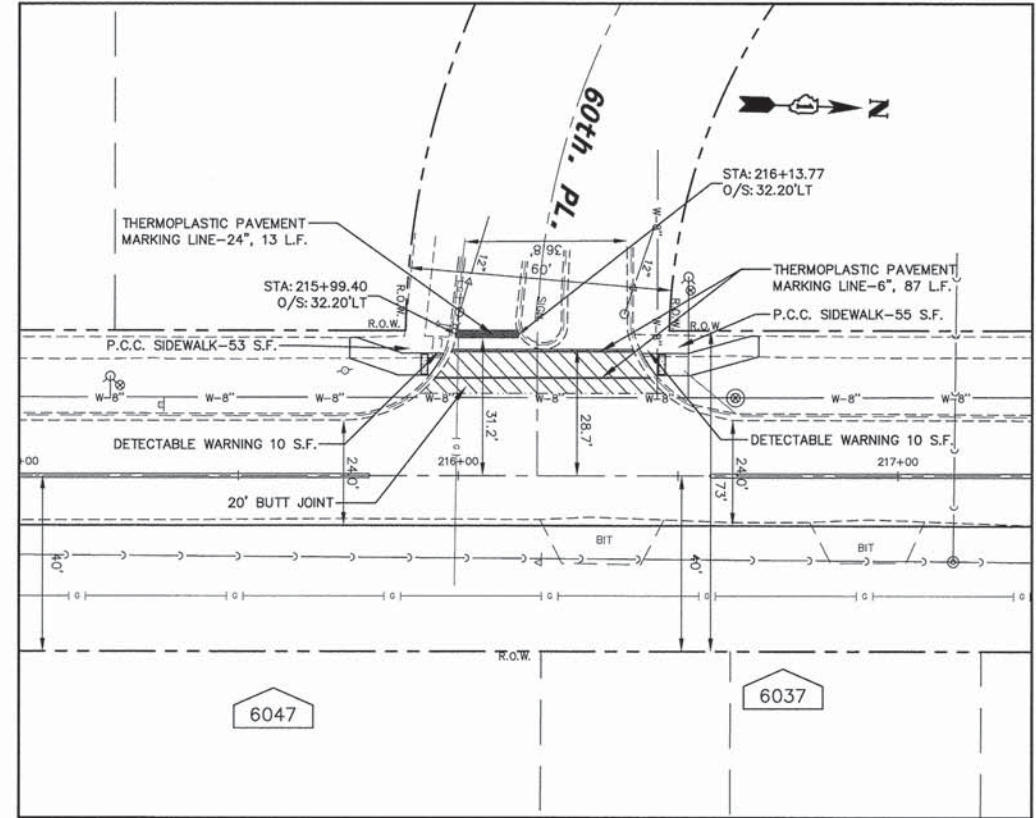
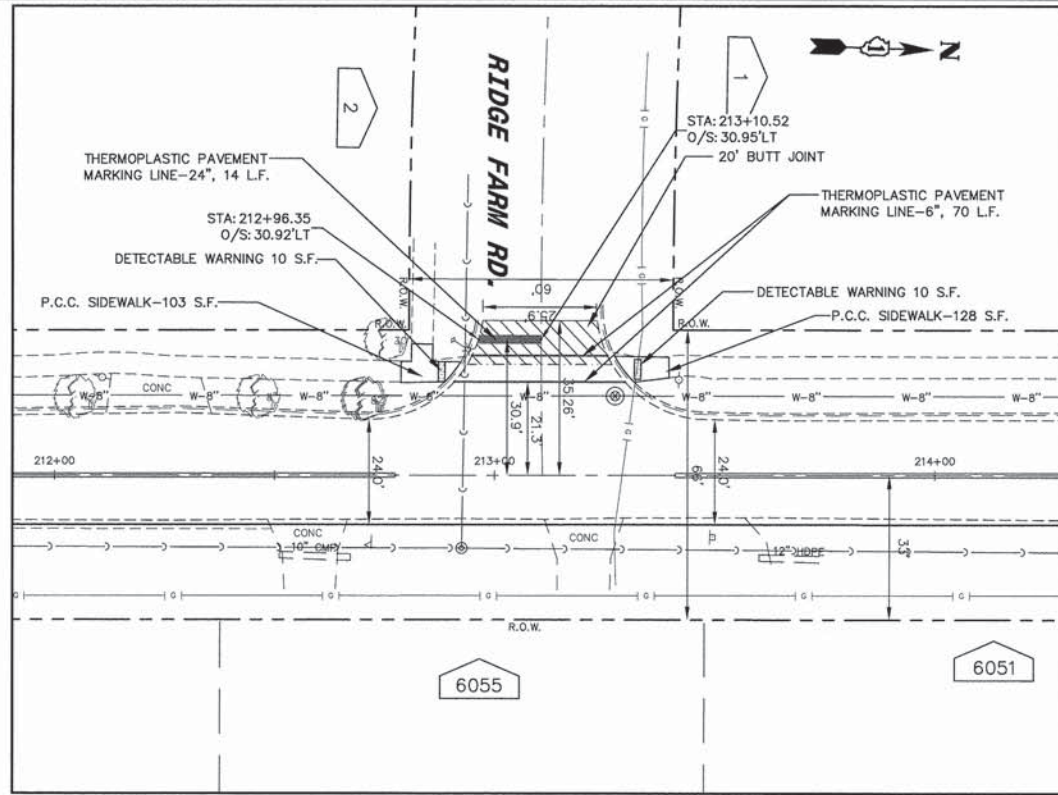
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

GARFIELD AVENUE  
INTERSECTION DETAILS

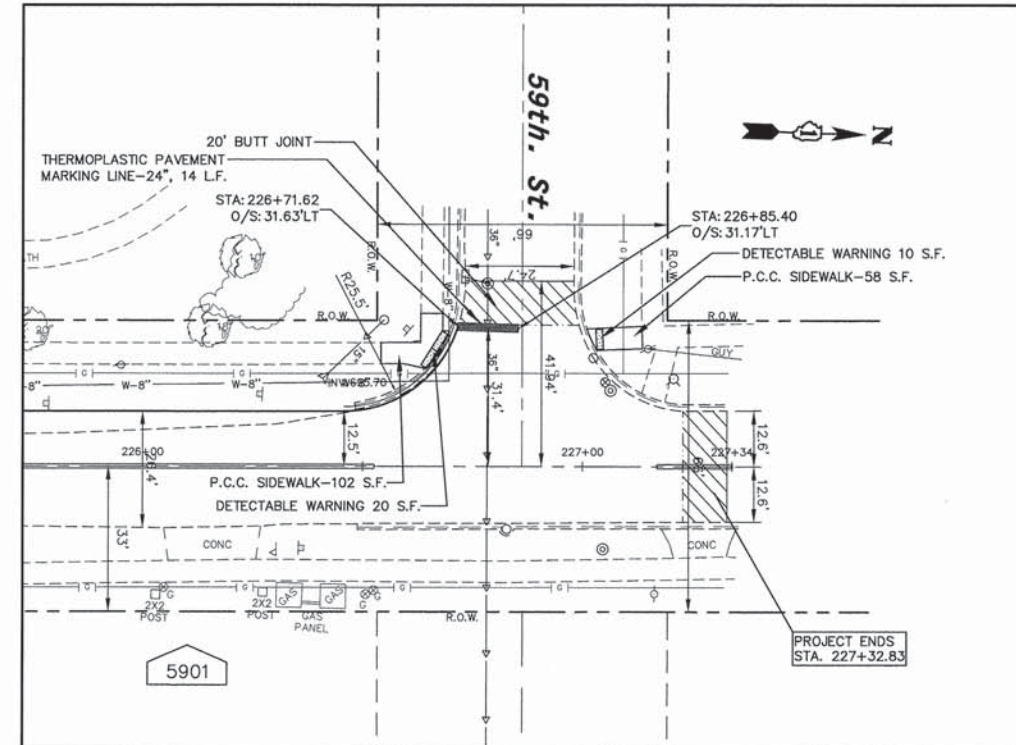
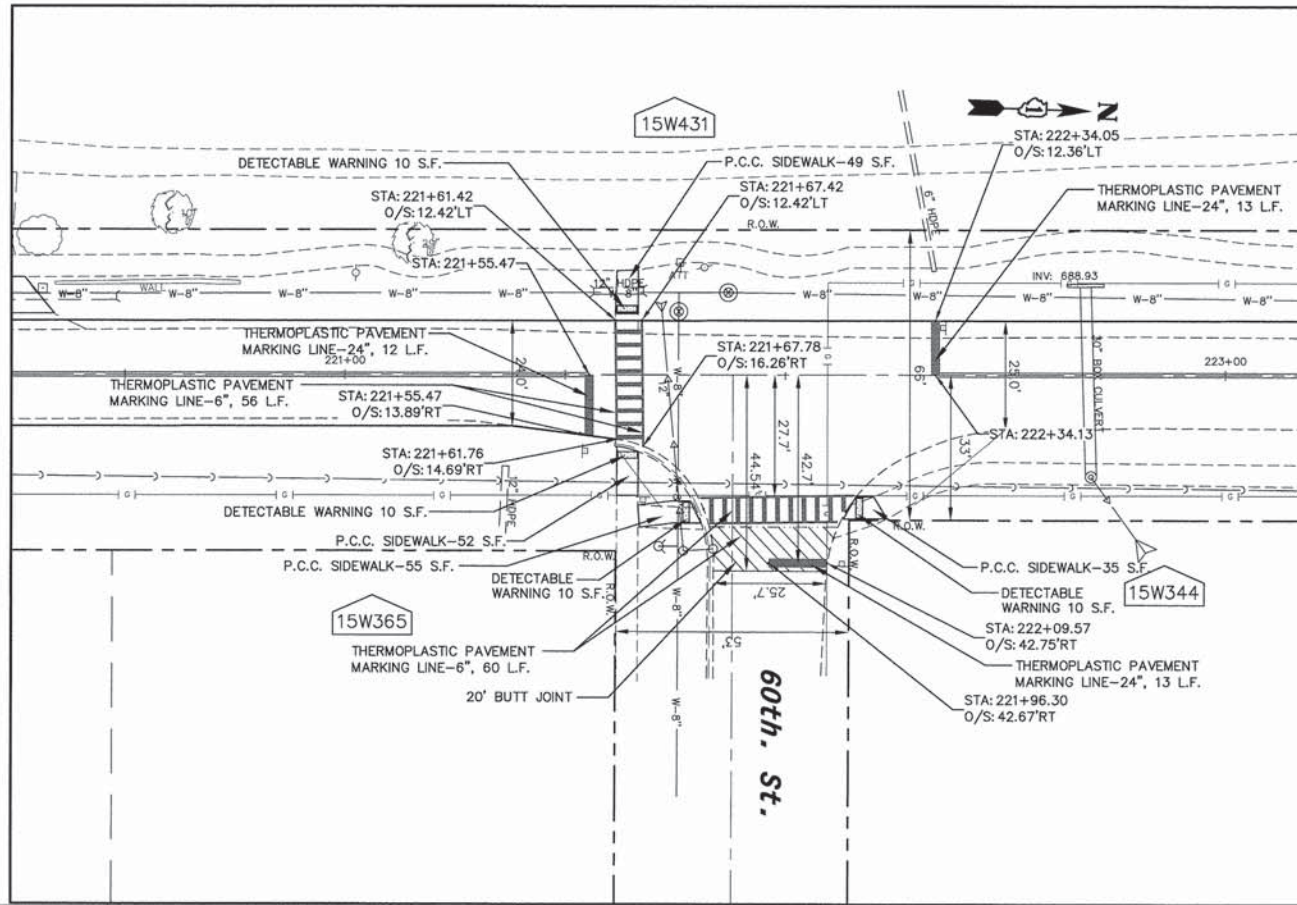
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STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2678	II-00044-00-RS	DuPage	28	14
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT			CONTRACT NO. 61A04	

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ENGINEERING  
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ASSOCIATES, INC.  
CONSULTING ENGINEERS, SCIENTISTS  
& SURVEYORS

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

GARFIELD AVENUE  
INTERSECTION DETAILS

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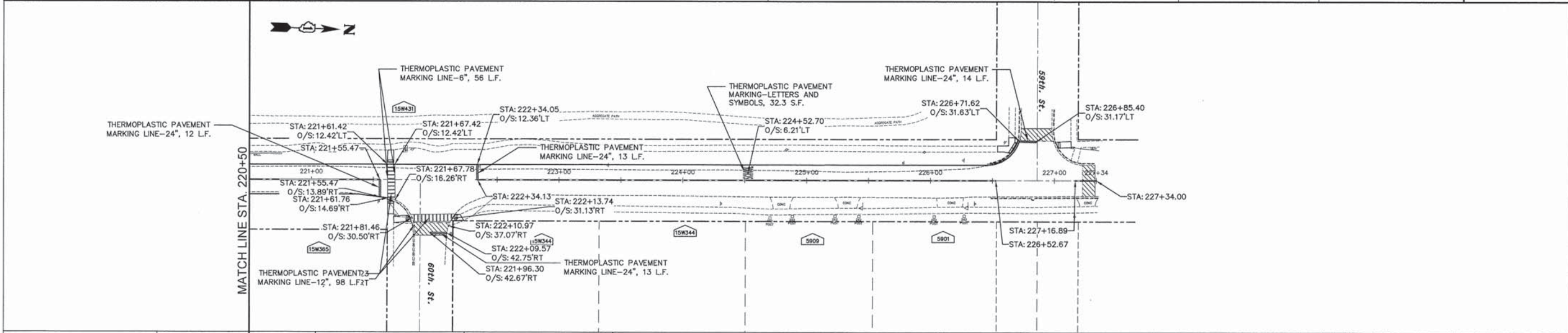
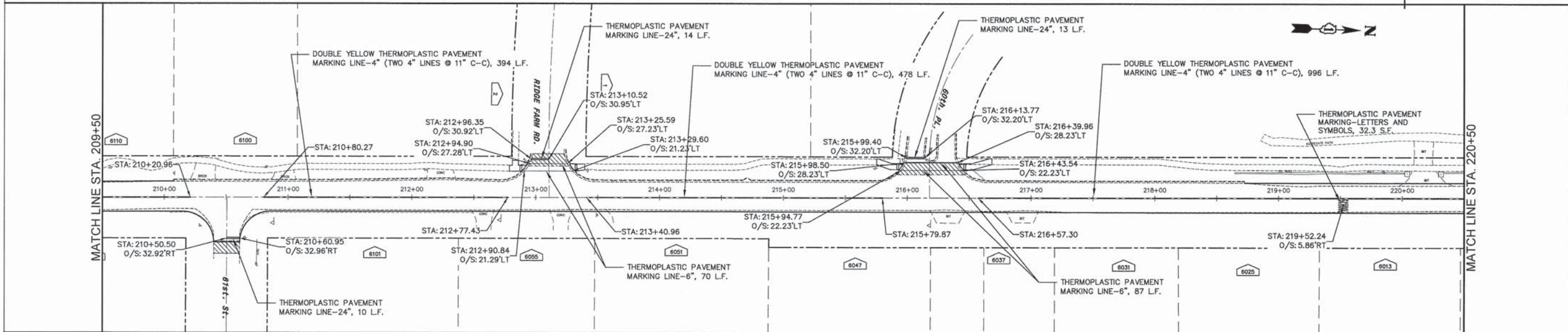
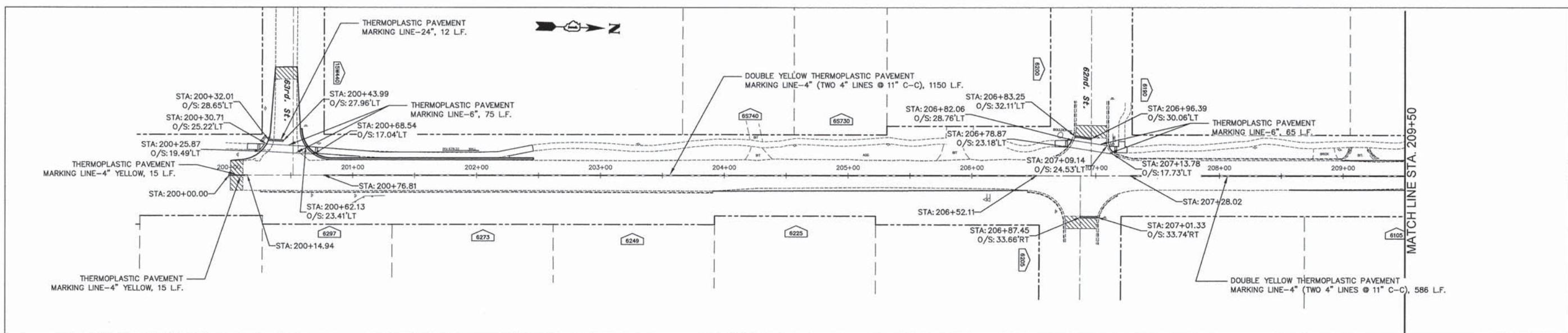
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STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61A04				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				

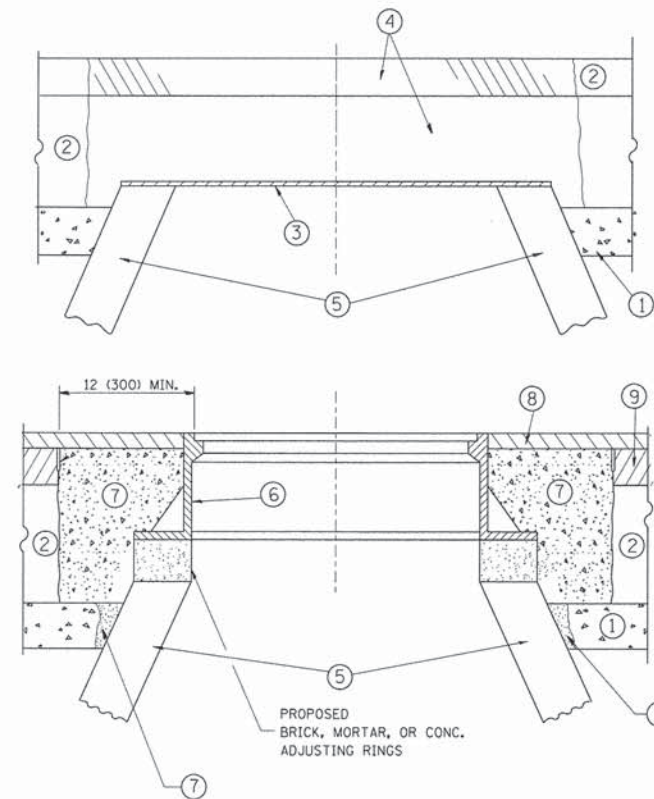
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<p>ENGINEERING RESOURCE ASSOCIATES, INC. CONSULTING ENGINEERS, SCIENTISTS &amp; SURVEYORS</p>	USER NAME = rtanner	DESIGNED - EW	REVISED - ---	<p>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p> <p>PAVEMENT MARKING PLAN</p>	F.A.U. RTE. 2678	SECTION II-00044-00-RS	COUNTY DuPage	TOTAL SHEETS 28	SHEET NO. 16	
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	PLOT SCALE = 1"=40'	CHECKED - BD	REVISED - ---							
	PLOT DATE = 2/12/2016	DATE - 02/12/16	REVISED - ---							





**CONSTRUCTION PROCEDURES**

**STAGE 1 (BEFORE PAVEMENT MILLING)**

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1/2 (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

**STAGE 2 (AFTER PAVEMENT MILLING)**

- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-1\* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

\*UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS EXCEPT THAT "THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE ENGINEER."

**LEGEND**

- ① SUB-BASE GRANULAR MATERIAL
- ② EXISTING PAVEMENT
- ③ 36 (900) DIAMETER METAL PLATE
- ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX
- ⑤ EXISTING STRUCTURE
- ⑥ FRAME AND LID (SEE NOTES)
- ⑦ CLASS PP-1\* CONCRETE
- ⑧ PROPOSED HMA SURFACE COURSE
- ⑨ PROPOSED HMA BINDER COURSE

**LOCATION OF STRUCTURES:**

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

**BASIS OF PAYMENT:**

REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."

THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.

NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

**NOTES:**

EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.

CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.

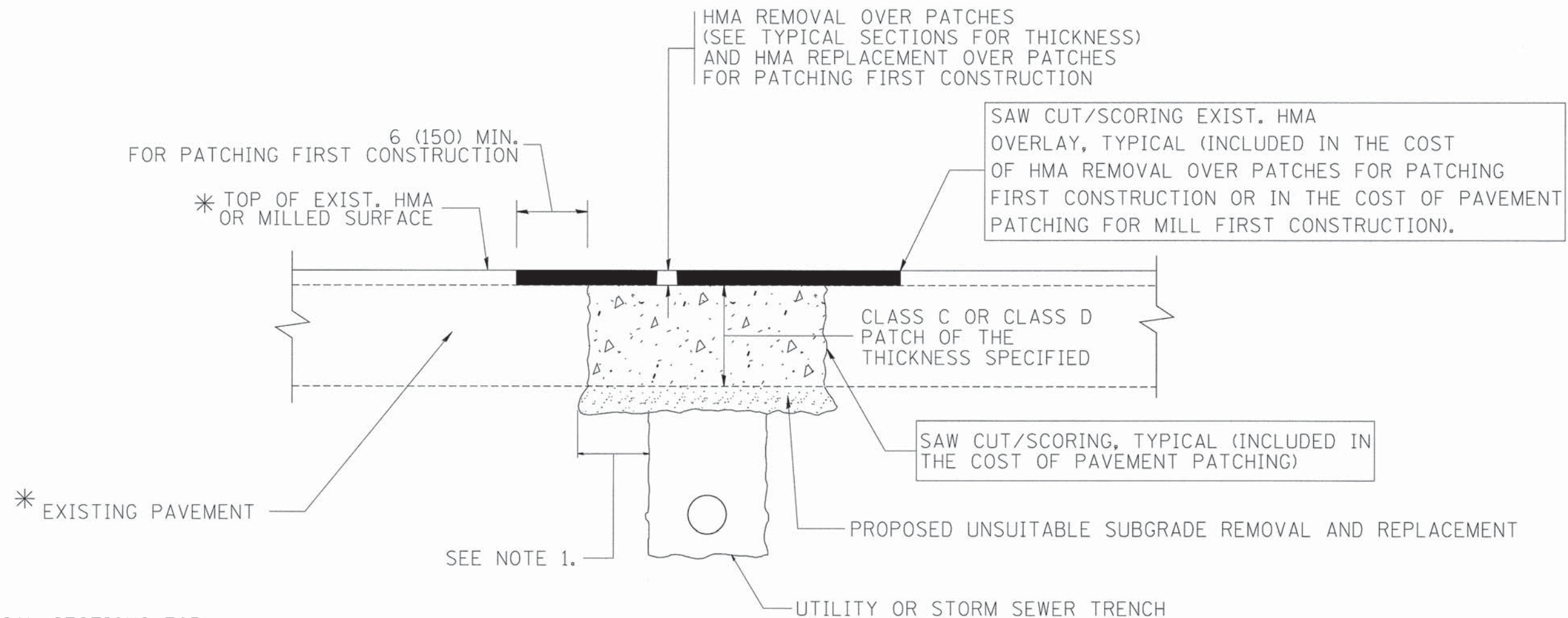
THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

**DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING**

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME =	USER NAME = bauerdl	DESIGNED - R. SHAH	REVISED - R. WIEDEMAN 05-14-04	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING</b>		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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		PLOT DATE = 12/6/2011										



\* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

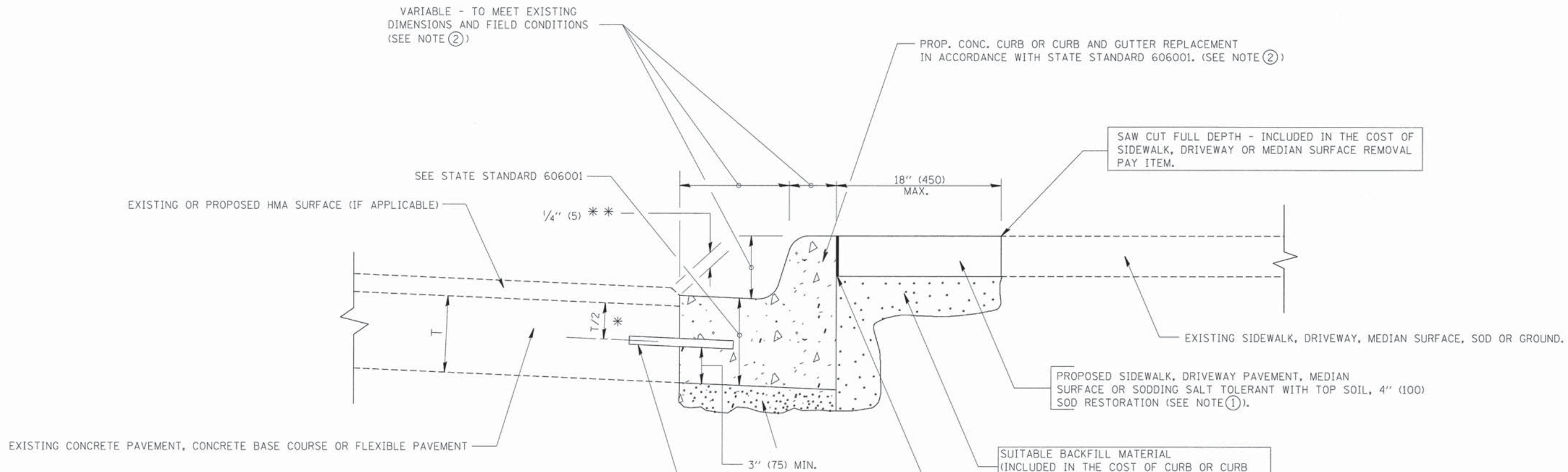
1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST 4 1/2 INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

FILE NAME = c:\projects\diststd22\34\bd22.dgn	USER NAME = bauerdl	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT</b>			F.A. RTE. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
		DRAWN -	REVISED - R. BORO 01-01-07		SCALE: NONE	SHEET NO. 1	OF 1 SHEETS	STA.	TO STA.	2678	11-00044-00-RS	DUPAGE	28	18
		PLOT SCALE = 50.000' / IN.	CHECKED -		REVISED - R. BORO 09-04-07	BD400-04 (BD-22)			CONTRACT NO. 61A04					
		PLOT DATE = 10/27/2008	DATE - 10-25-94		REVISED - K. ENG 10-27-08	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT								



- \* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.
- \*\* IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

- NOTE: ① SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.  
SODDING, SALT TOLERANT AND TOP SOIL, FURNISH AND PLACE 4" WILL BE PAID FOR SEPARATELY,
- ② FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED
- ③ CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.
- ④ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.
- ⑤ LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.
- ⑥ THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.
- ⑦ THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.
- ⑧ THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

UNUSABLE SUB-BASE MATERIAL TO BE REMOVED, IF DIRECTED BY THE ENGINEER, SHALL BE REPLACED WITH EITHER SUB-BASE GRANULAR MATERIAL, TYPE B OR ADDITIONAL THICKNESS OF CONCRETE.

REMOVAL AND REPLACEMENT 4" (100) OR LESS IS INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

REMOVAL AND REPLACEMENT IN EXCESS OF 4" (100) WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

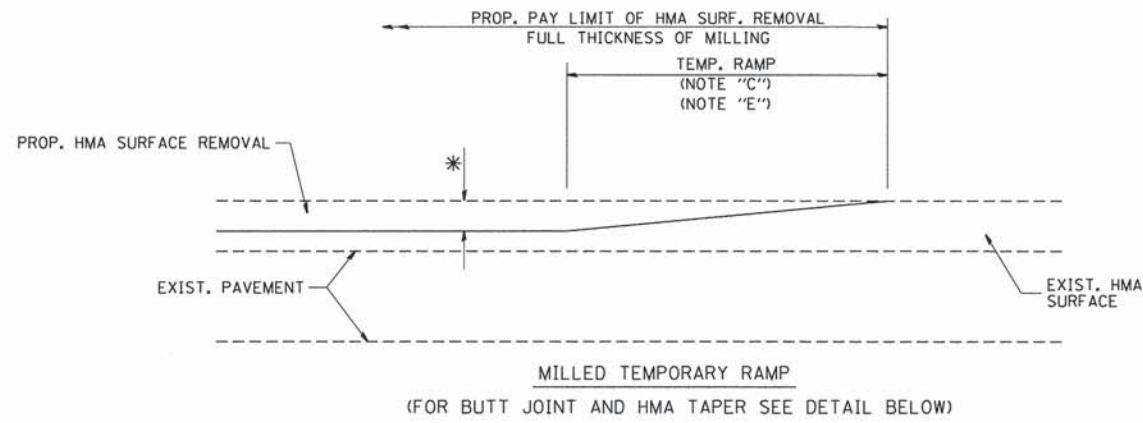
PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USUABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

**BASIS OF PAYMENT:**  
THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT (METER) FOR "CURB REMOVAL AND REPLACEMENT" OR "COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT".

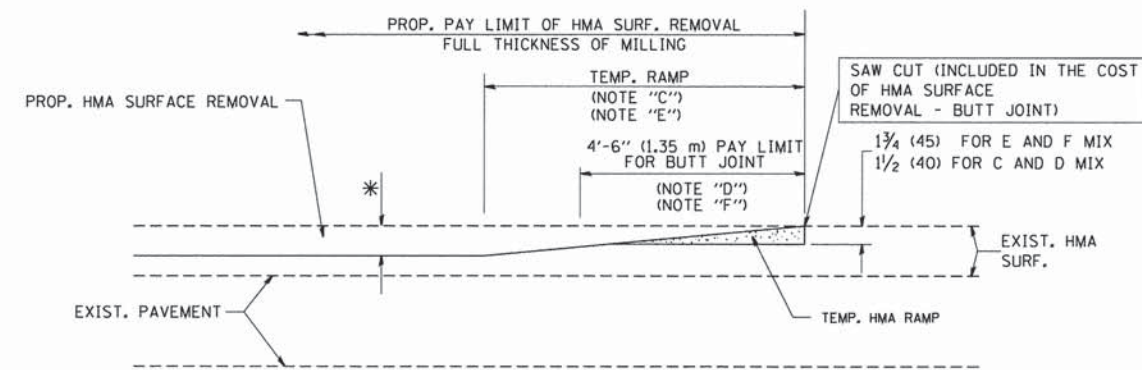
## CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

FILE NAME =	USER NAME = drivakoagn	DESIGNED - A. HOUSEH	REVISED - R. SHAH 10-03-96	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT</b>	F.A. RTE. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ci:\pw\work\p\w\dot\drivakoagn\0108315\bd6004.dgn		DRAWN -	REVISED - A. ABBAS 03-21-97			2678	11-00044-00-RS	DUPAGE	28	19
PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - M. GOMEZ 01-22-01				<b>BD600-06 (BD-24)</b>		CONTRACT NO. 61A04		
PLOT DATE = 12/15/2009	DATE - 03-11-94	REVISED - R. BORO 12-15-09				SCALE: NONE		SHEET NO. 1 OF 1 SHEETS		STA. TO STA.
						FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT				

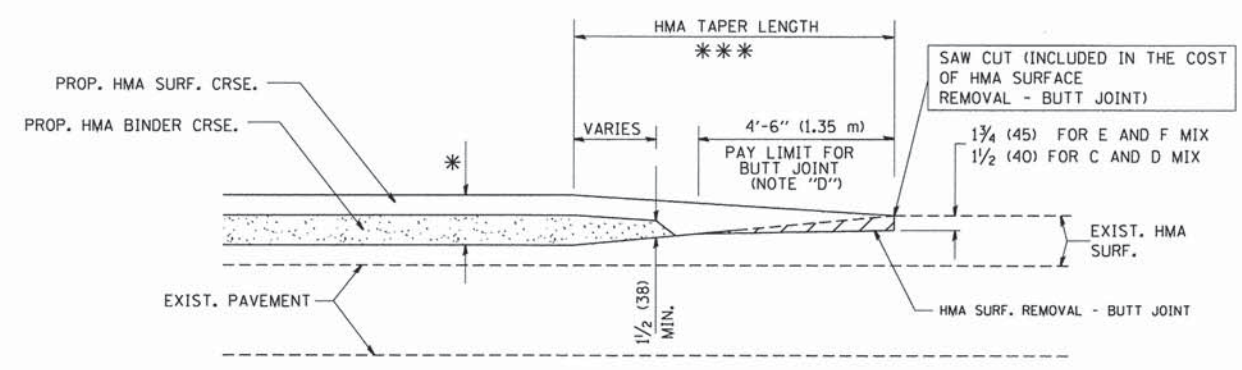


**OPTION 1**

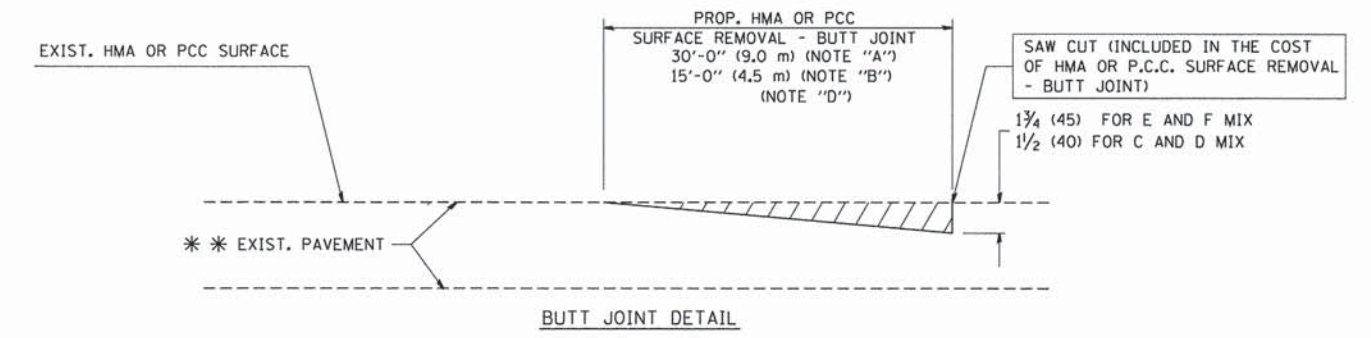


**OPTION 2**

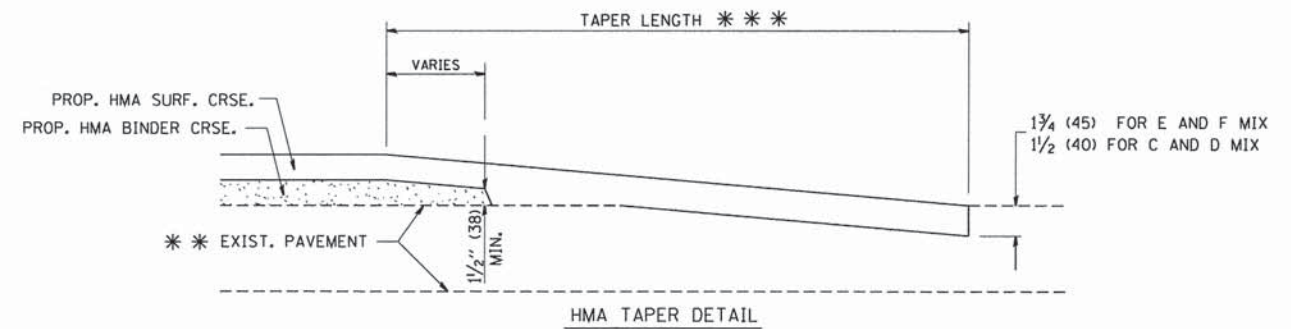
**TYPICAL TEMPORARY RAMP**



**TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING**



**BUTT JOINT DETAIL**



**HMA TAPER DETAIL**

**TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY**

\*\*\* PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

**NOTES**

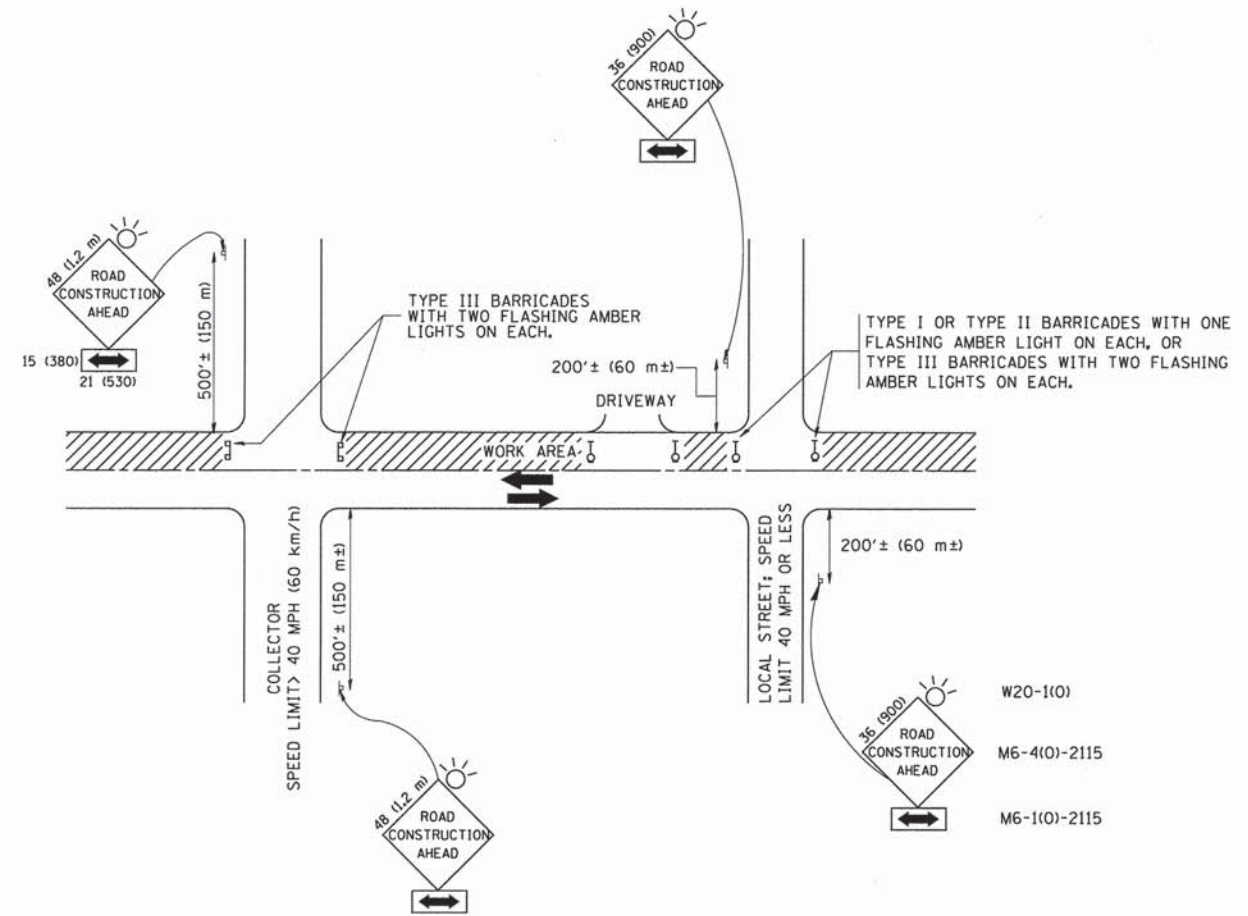
- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
  - B: MINOR SIDE ROADS.
  - C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
  - D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
  - E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
  - F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT
  - G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- \*\*\* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- \*\*\* 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")  
 10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

**BASIS OF PAYMENT:**

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

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

FILE NAME = W:\rd\stata\22x34\bd32.dgn	USER NAME = gaglianobts	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BUTT JOINT AND HMA TAPER DETAILS</b>		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISOR - A. ABBAS 03-21-97	REVISOR - M. GOMEZ 04-06-01		2678	11-00044-00-RS	DUPAGE	28	20		
PLOT DATE = 1/4/2008	DATE - 06-13-90	REVISOR - R. BORO 01-01-07			SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.		BD400-05 BD32		CONTRACT NO. 61A04		
							FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

NOTES:

A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - a) ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
  - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - a) ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
  - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:

- USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.
- C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.
- D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

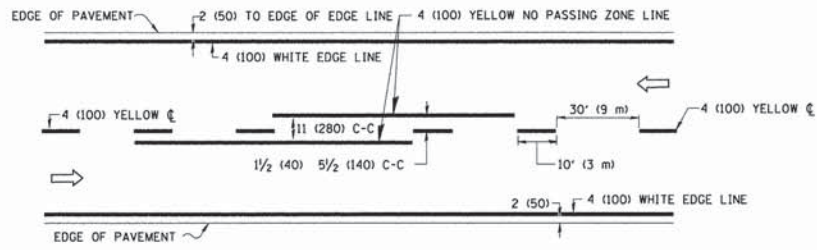
All dimensions are in millimeters (Inches) unless otherwise shown.

FILE NAME = W:\diststd\22x34\tdl0.dgn	USER NAME = gaglianobt	DESIGNED - LHA	REVISED - J. OBERLE 10-18-95
		DRAWN -	REVISED - A. HOUSEH 03-06-96
	PLDT SCALE = 50.000' / IN.	CHECKED -	REVISED - A. HOUSEH 10-15-96
	PLDT DATE = 1/4/2008	DATE - 06-89	REVISED - T. RAMMACHER 01-06-00

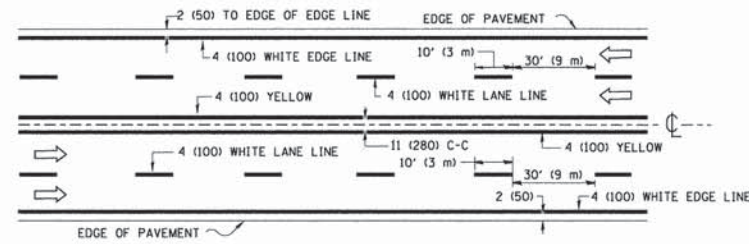
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

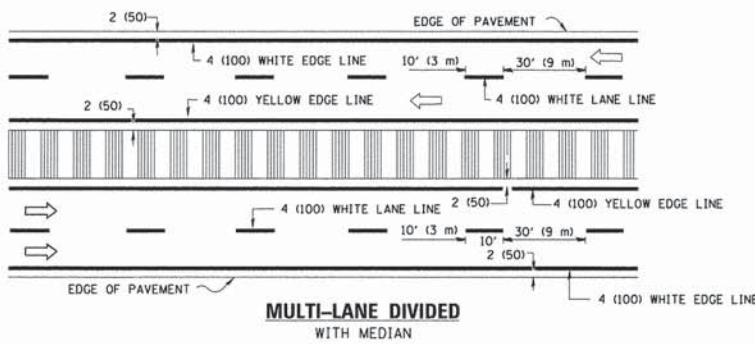
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2678	11-00044-00-RS	DUPAGE	28	21
TC-10			CONTRACT NO. 61A04	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**2-LANE ROADWAY**

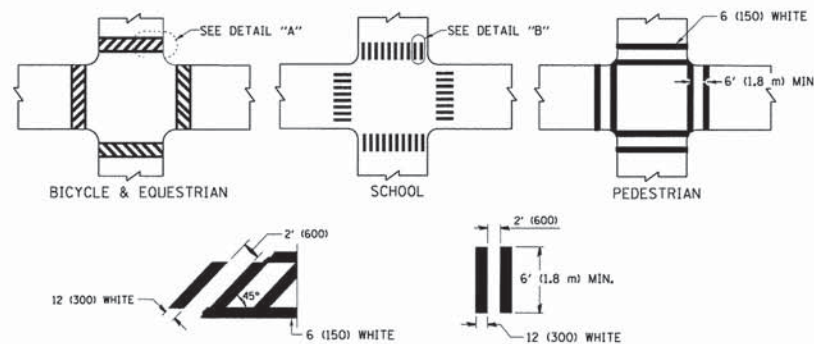


**MULTI-LANE UNDIVIDED**



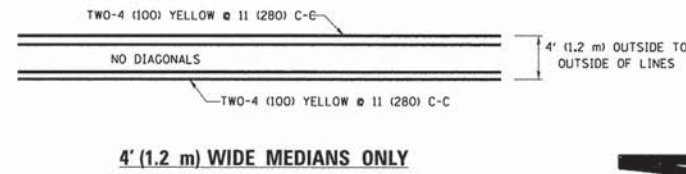
**MULTI-LANE DIVIDED WITH MEDIAN**

**TYPICAL LANE AND EDGE LINE MARKING**

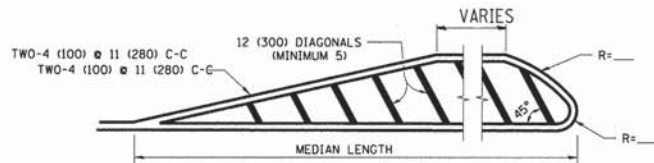


**DETAIL "A"      DETAIL "B"**  
**TYPICAL CROSSWALK MARKING**

\* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES

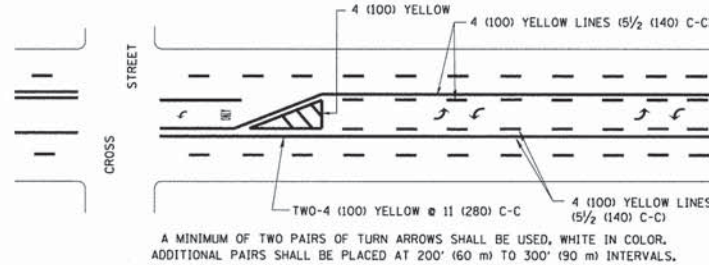


**4' (1.2 m) WIDE MEDIANS ONLY**

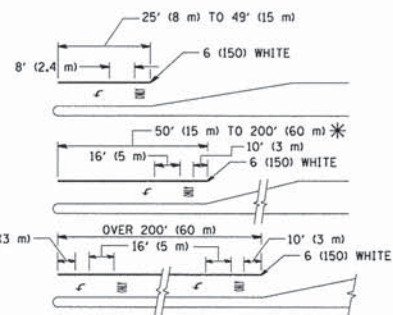


DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))  
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)  
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

**MEDIANS OVER 4' (1.2 m) WIDE**



**MEDIAN WITH TWO-WAY LEFT TURN LANE**  
**TYPICAL PAINTED MEDIAN MARKING**

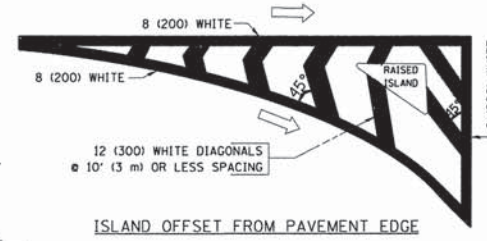


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  
AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) ONLY AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)

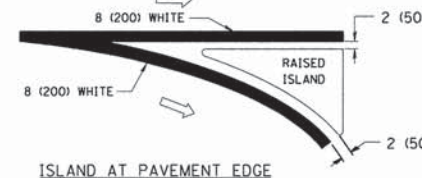
\* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

**TYPICAL LEFT (OR RIGHT) TURN LANE**

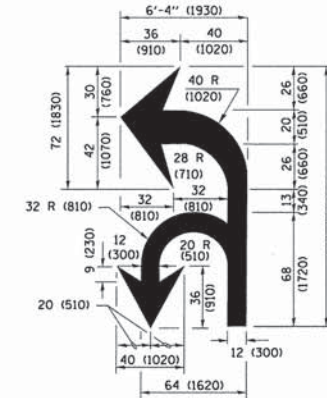
**TYPICAL TURN LANE MARKING**



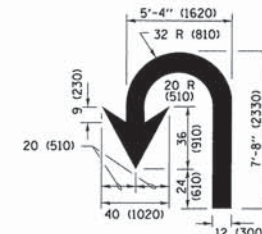
**ISLAND OFFSET FROM PAVEMENT EDGE**



**ISLAND AT PAVEMENT EDGE**  
**TYPICAL ISLAND MARKING**

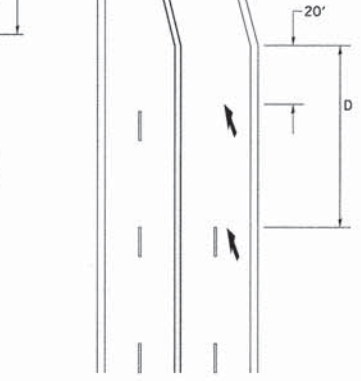


**COMBINATION LEFT AND U-TURN**



**U-TURN**

D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55



**LANE REDUCTION TRANSITION**

\* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING /REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT; OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 78001 AREA OF: "R"-3.6 SQ. FT. (0.33 m <sup>2</sup> ) EACH "X"-54.0 SQ. FT. (5.0 m <sup>2</sup> )
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8' )	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 78001.

All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = lszekrf	DESIGNED - EVERS	REVISED - T. RAMMACHER 10-27-94
pw\l\84EBID\INTEG\illinois.gov\PI007\Documents\1007 Offices\District 1\Projects\Dist	ORAWN\CADDData\CAD\shets\101.dgn	CHECKED - C. JUCIUS 07-01-13	REVISED - C. JUCIUS 09-09-09
Default	DATE = 12/21/2015	DATE = 03-19-90	REVISED - C. JUCIUS 12-21-15

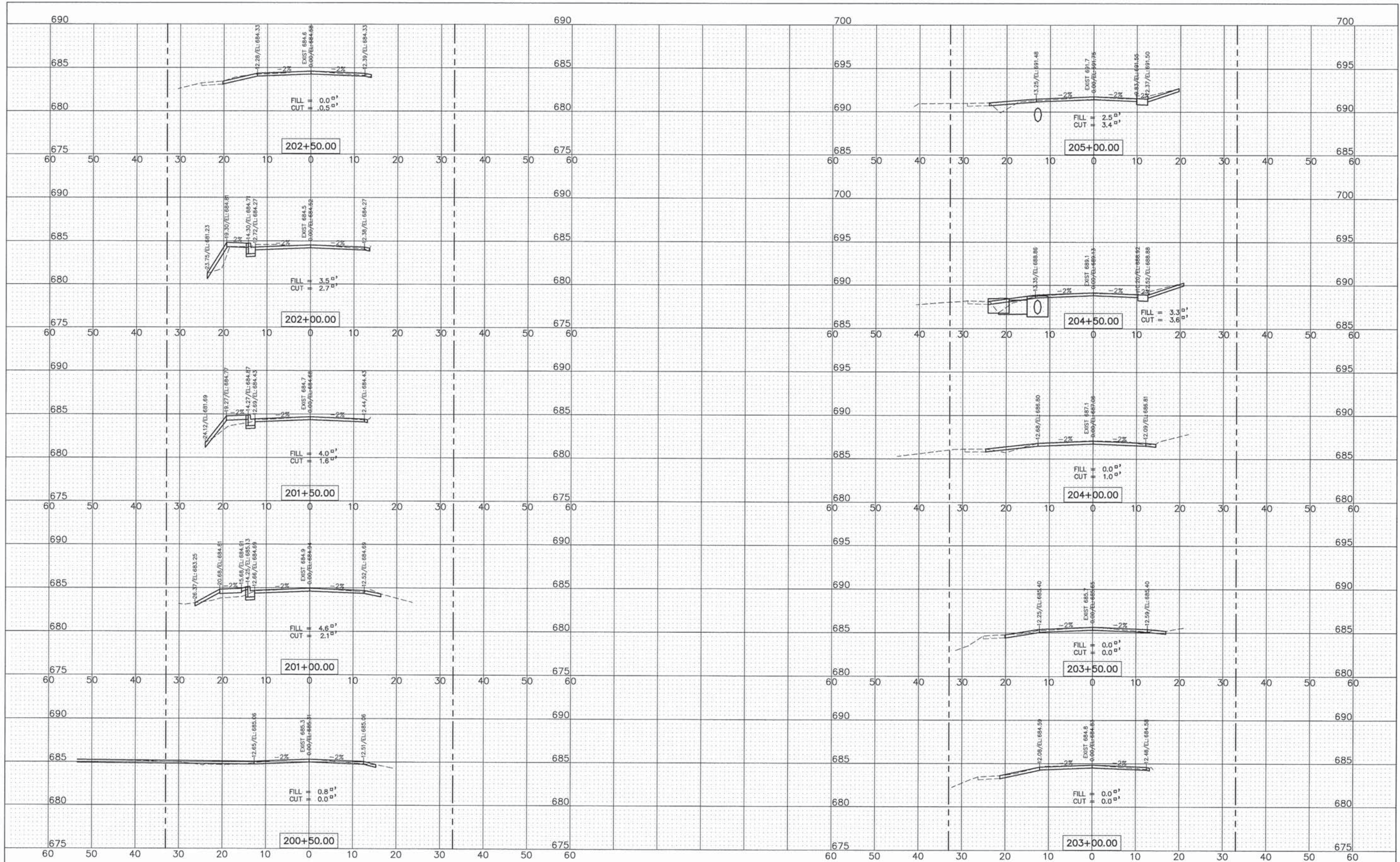
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TYPICAL PAVEMENT MARKINGS		2678	11-00044-00-RS	DUPAGE	28	22
SCALE: NONE		SHEET 1 OF 1 SHEETS		STA. TO STA.	CONTRACT NO. 61A04	

ILLINOIS FED. AID PROJECT	
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DATE	
BY	
PLAN	
SURVEYED	
ALLOWED	
NOTED	
NO. OF CHECKS	
NO. OF MAY CHECKS	
DATE FILE NAME	

DATE	
BY	
PROFILE	
SURVEYED	
ALLOWED	
NOTED	
NO. OF CHECKS	
NO. OF MAY CHECKS	
DATE FILE NAME	



ENGINEERING RESOURCE ASSOCIATES, INC.  
CONSULTING ENGINEERS, SCIENTISTS & SURVEYORS

USER NAME = Planner	DESIGNED - EW	REVISED - ---
FILE NAME = I:\User\Planner\120702.00 Garfield Street	DRAWN - RT	REVISED - ---
PROJECT SCALE = 1"=40'	CHECKED - BD	REVISED - ---
PLOT SCALE = 1"=40'	DATE - 02/12/16	REVISED - ---

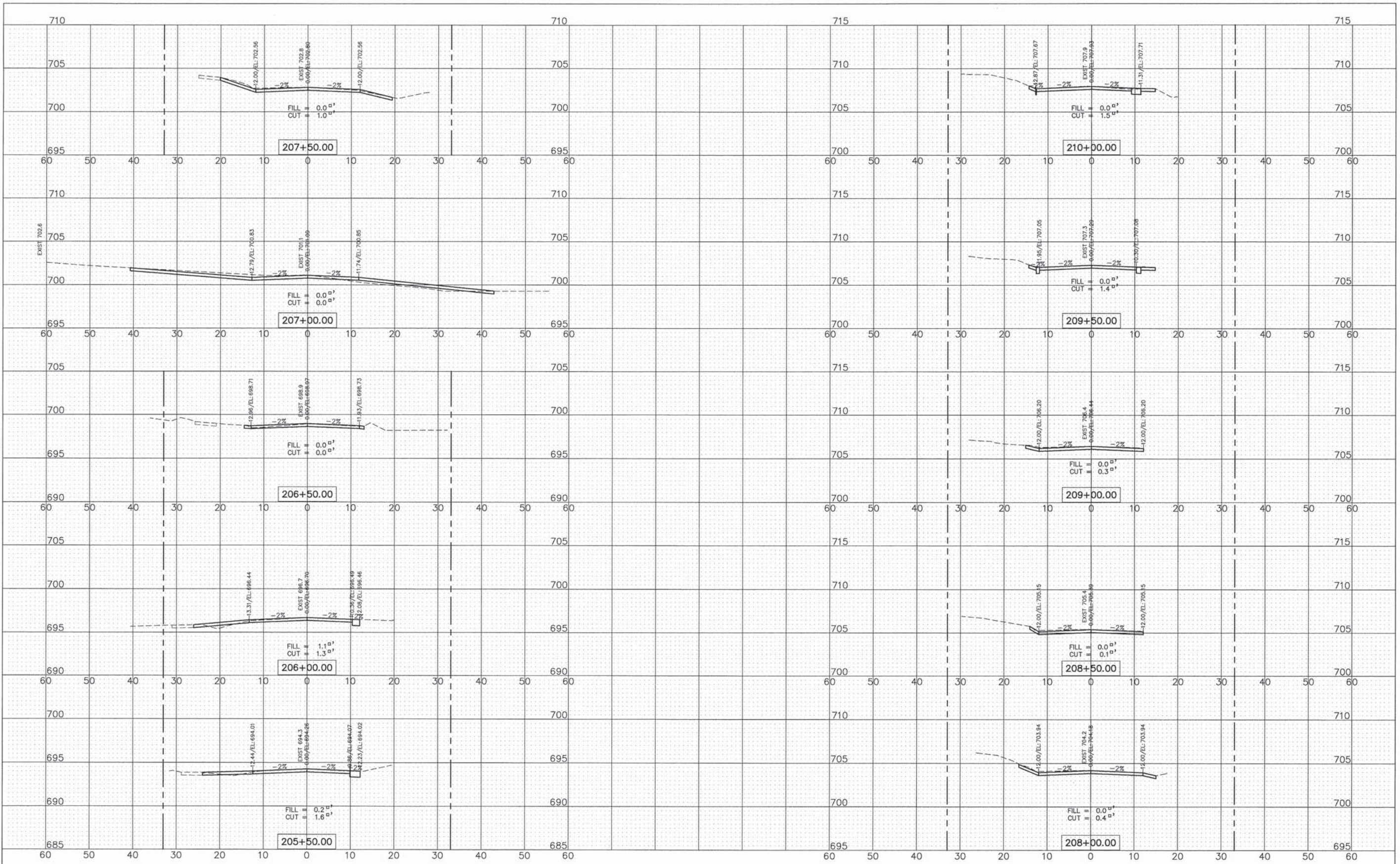
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

GARFIELD STREET  
CROSS SECTIONS  
SCALE: 1"=10'H/1"=5'V  
SHEET NO. 1 OF 6 SHEETS  
STA. 200+50 TO STA. 205+00

F.A.U. RTE. 2678	SECTION II-0044-00-RS	COUNTY DUPAGE	TOTAL SHEETS 28	SHEET NO. 23
CONTRACT NO. 61A04				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	BY
	NOTED	
	CHECKED	
	BY	
	NO. OF WAYS CHECKED	
	DATE	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	NOTED	
	CHECKED	
	BY	
	NO. OF WAYS CHECKED	
	DATE	
	NO.	



ENGINEERING RESOURCE ASSOCIATES, INC.  
CONSULTING ENGINEERS, SCIENTISTS & SURVEYORS

USER NAME = Eric Wilde  
FILE NAME = I:\User\Eric\120702.00 Garfield Street  
PLOT SCALE = 1"=5' SCALES  
PLOT DATE = 2/24/2016

DESIGNED	EW	REVISED	---
DRAWN	RT	REVISED	---
CHECKED	BD	REVISED	---
DATE	02/12/16	REVISED	---

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

GARFIELD STREET  
CROSS SECTIONS

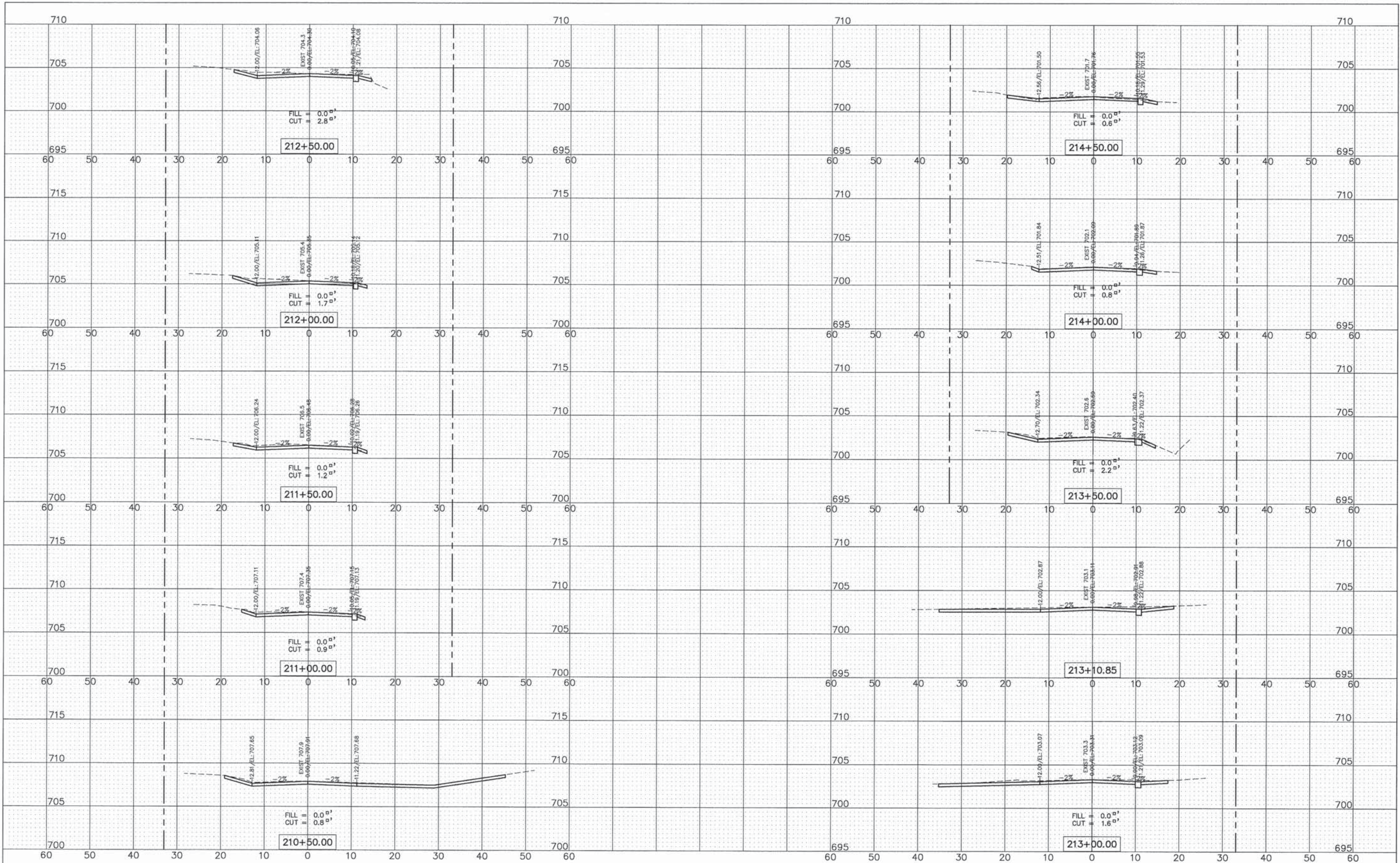
SCALE: 1"=10'H; 1"=5'V SHEET NO. 2 OF 6 SHEETS STA. 205+50 TO STA. 210+00

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2678	11-0044-00-RS	DUPAGE	28	24
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61A04	



PLAN	SURVEYED	DATE
	ALIGNED	BY
	GRADES CHECKED	
	RT. OF WAY CHECKED	
	ROAD FILE NAME	
	NO.	

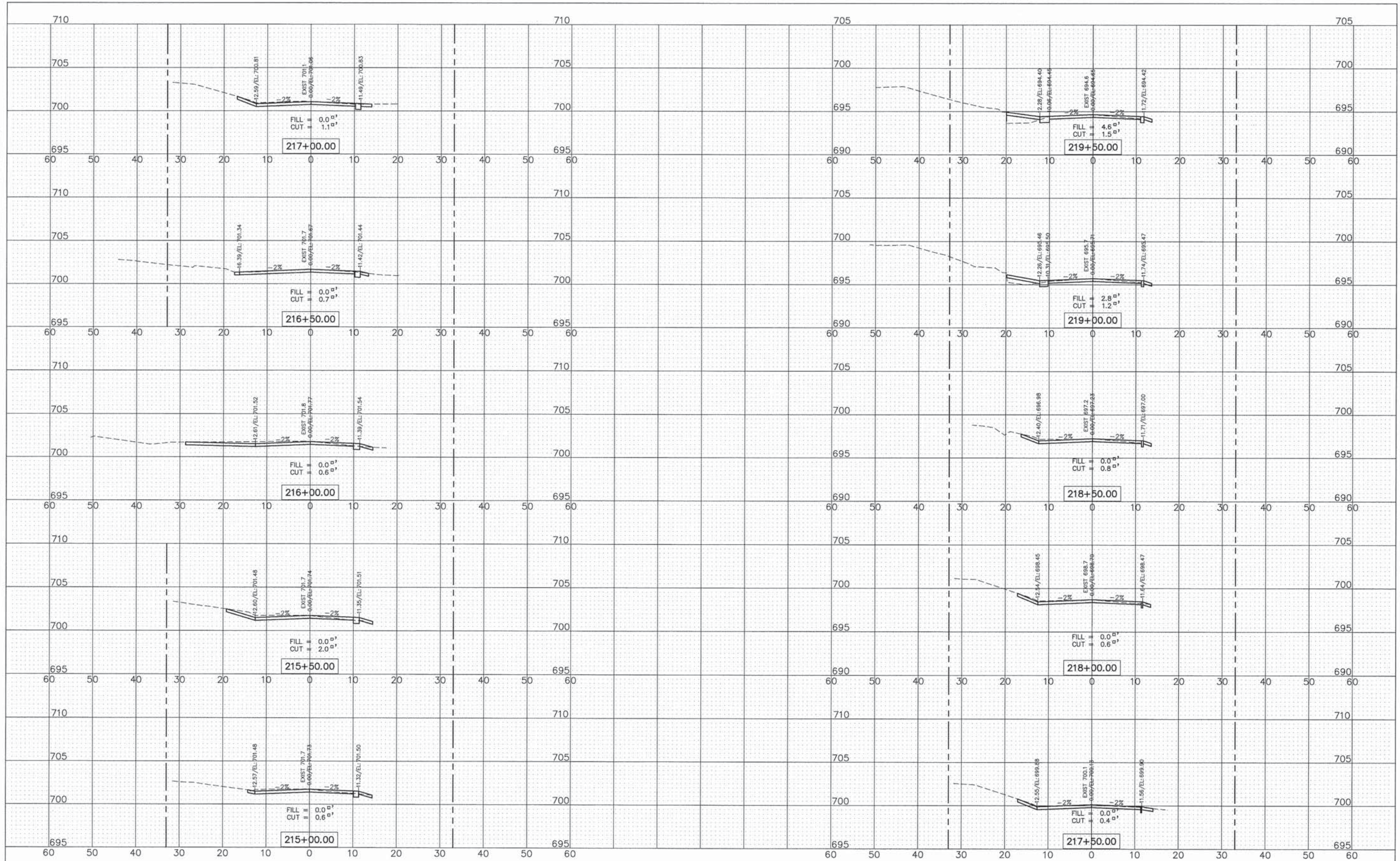
PROFILE	SURVEYED	DATE
	ALIGNED	BY
	GRADES CHECKED	
	RT. OF WAY CHECKED	
	ROAD FILE NAME	
	NO.	



<b>ENGINEERING RESOURCE ASSOCIATES, INC.</b> CONSULTING ENGINEERS, SCIENTISTS & SURVEYORS	USER NAME = rlaner	DESIGNED - EW	REVISED - ---	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>GARFIELD STREET</b> <b>CROSS SECTIONS</b>			F.A.U. RTE. 2678	SECTION II-0044-00-RS	COUNTY DUPAGE	TOTAL SHEETS 28	SHEET NO. 25
	FILE NAME = H:\Burr Ridge\120702.00 Garfield Street	DRAWN - RT	REVISED - ---		SCALE: 1"=10'H@5"V	SHEET NO. 3 OF 6 SHEETS	STA. 210+50 TO STA. 214+50	CONTRACT NO. 6IA04		FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT		
	PLT SCALE = 1"=10'H@5"V	CHECKED - BD	REVISED - ---									
	PLT DATE = 2/12/2016	DATE - 02/12/16	REVISED - ---									

PLAN	SURVEYED	DATE
	ADJUSTED	BY
	ALIGNED	
	GRADES CHECKED	
	RT. OF WAY CHECKED	
	NO. NOTED	
	STRUCTURE NOTATIONS CHECKED	
	NO.	
	PROJ. FILE NAME	

PROFILE	SURVEYED	DATE
	ADJUSTED	BY
	ALIGNED	
	GRADES CHECKED	
	RT. OF WAY CHECKED	
	NO. NOTED	
	STRUCTURE NOTATIONS CHECKED	
	NO.	
	PROJ. FILE NAME	



ENGINEERING RESOURCE ASSOCIATES, INC.  
CONSULTING ENGINEERS, SCIENTISTS & SURVEYORS

USER NAME = Eric Wilde	DESIGNED -- EW	REVISED --
FILE NAME = \\U:\proj\11-0044\11-0044-00-RS\Garfield Street	DRAWN -- RT	REVISED --
NO. NOTED = 2	CHECKED -- BD	REVISED --
PLOT DATE = 2/24/2016	DATE -- 02/12/16	REVISED --

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

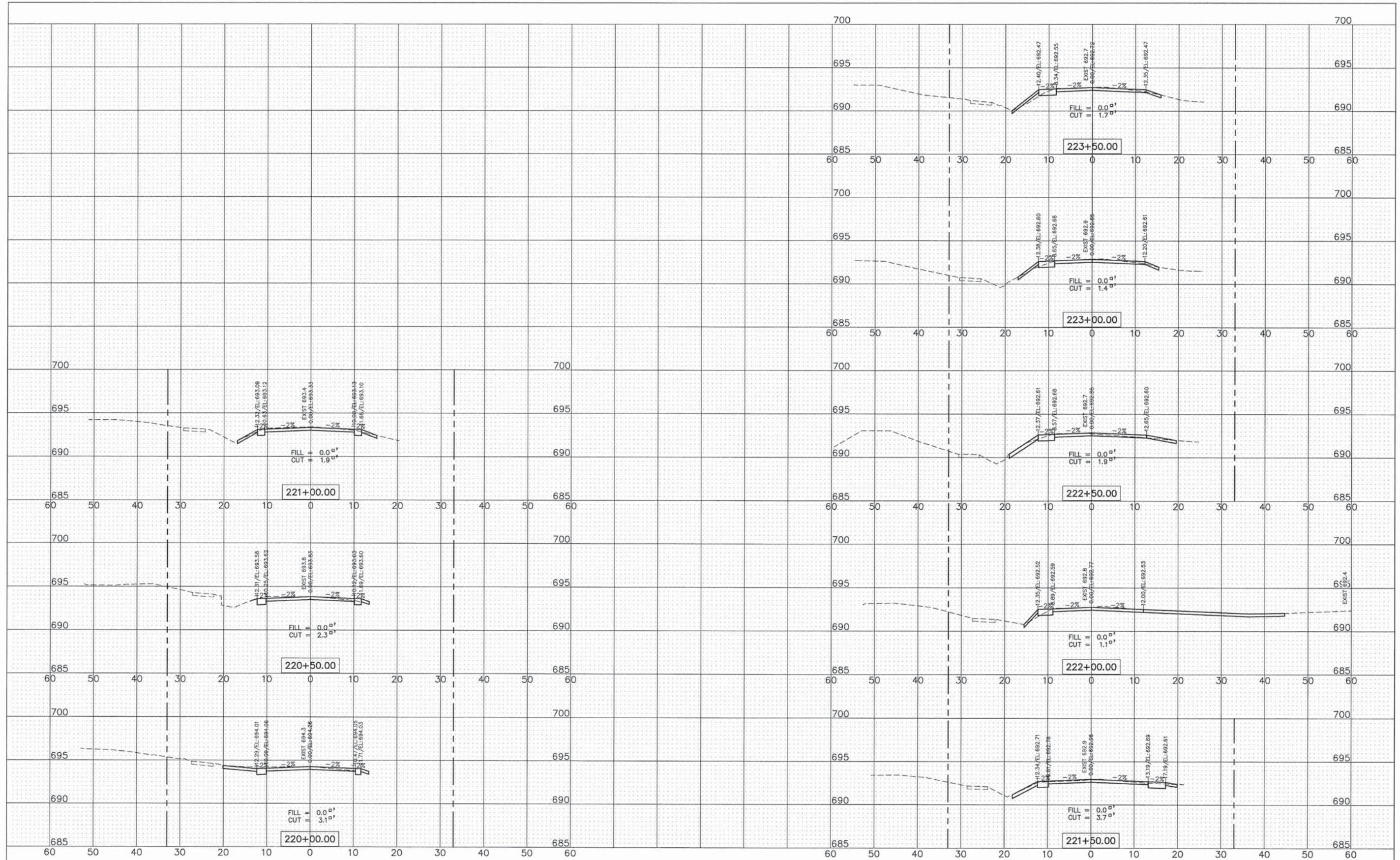
GARFIELD STREET  
CROSS SECTIONS

SCALE: 1"=10'H; 1"=5'V SHEET NO. 4 OF 6 SHEETS STA. 215+00 TO STA. 219+50

F.A.U. NO. 2678	SECTION 11-0044-00-RS	COUNTY DUPAGE	TOTAL SHEETS 28	SHEET NO. 26
CONTRACT NO. 61A04				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	NO. OF PAGES	
	DATE	
	FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	NO. OF PAGES	
	DATE	
	FILE NAME	



ENGINEERING RESOURCE ASSOCIATES, INC.  
CONSULTING ENGINEERS, SCIENTISTS & SURVEYORS

USER NAME = rtonner	DESIGNED - EW	REVISED - ---
FILE NAME = G:\Burr Ridge\120702.00 Garfield Street	DRAWN - RT	REVISED - ---
PLT SCALE = 1"=20'	CHECKED - BD	REVISED - ---
PLT DATE = 2/12/2016	DATE - 02/12/16	REVISED - ---

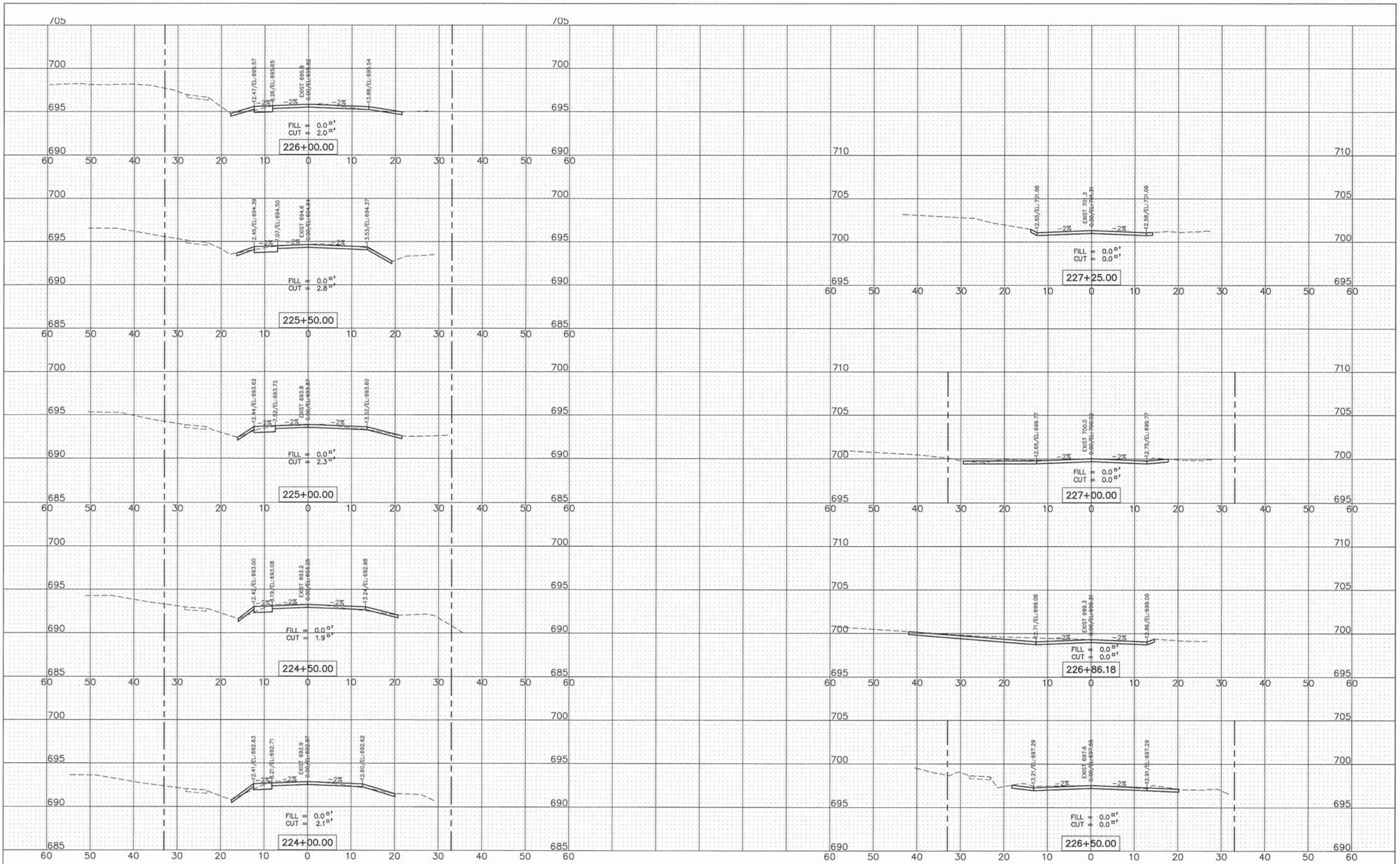
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

GARFIELD STREET  
CROSS SECTIONS  
SCALE: 1"=10'H; 1"=5'V  
SHEET NO. 5 OF 6 SHEETS  
STA. 220+00 TO STA. 223+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2678	II-0044-00-RS	DUPAGE	28	27
CONTRACT NO. 6IA04				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				

PLAN	SUBMITTED	DATE
	PLOTTED	BY
	CHECKED	
	RT. OF WAY CHECKED	
	CADD FILE NAME	
	NO.	

PROFILE	SUBMITTED	DATE
	PLOTTED	BY
	CHECKED	
	RT. OF WAY CHECKED	
	STRUCTURE NOTATIONS CHORD	
	NO.	



ENGINEERING  
 RESOURCE  
 ASSOCIATES, INC.  
 CONSULTING ENGINEERS, SCIENTISTS  
 & SURVEYORS

USER NAME = rlanter  
 FILE NAME = I:\000\Road\120702.00 Garfield Street  
 PLOT SCALE = 1"=40'  
 PLOT DATE = 2/12/2016

DESIGNED	- EW	REVISED	- ---
DRAWN	- RT	REVISED	- ---
CHECKED	- BD	REVISED	- ---
DATE	- 02/12/16	REVISED	- ---

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

GARFIELD STREET  
 CROSS SECTIONS

SCALE: 1"=10'H@P=5'V SHEET NO. 6 OF 6 SHEETS STA. 224+00 TO STA. 227+25

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2678	II-0044-00-RS	DUPAGE	28	28
CONTRACT NO. 61A04				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				