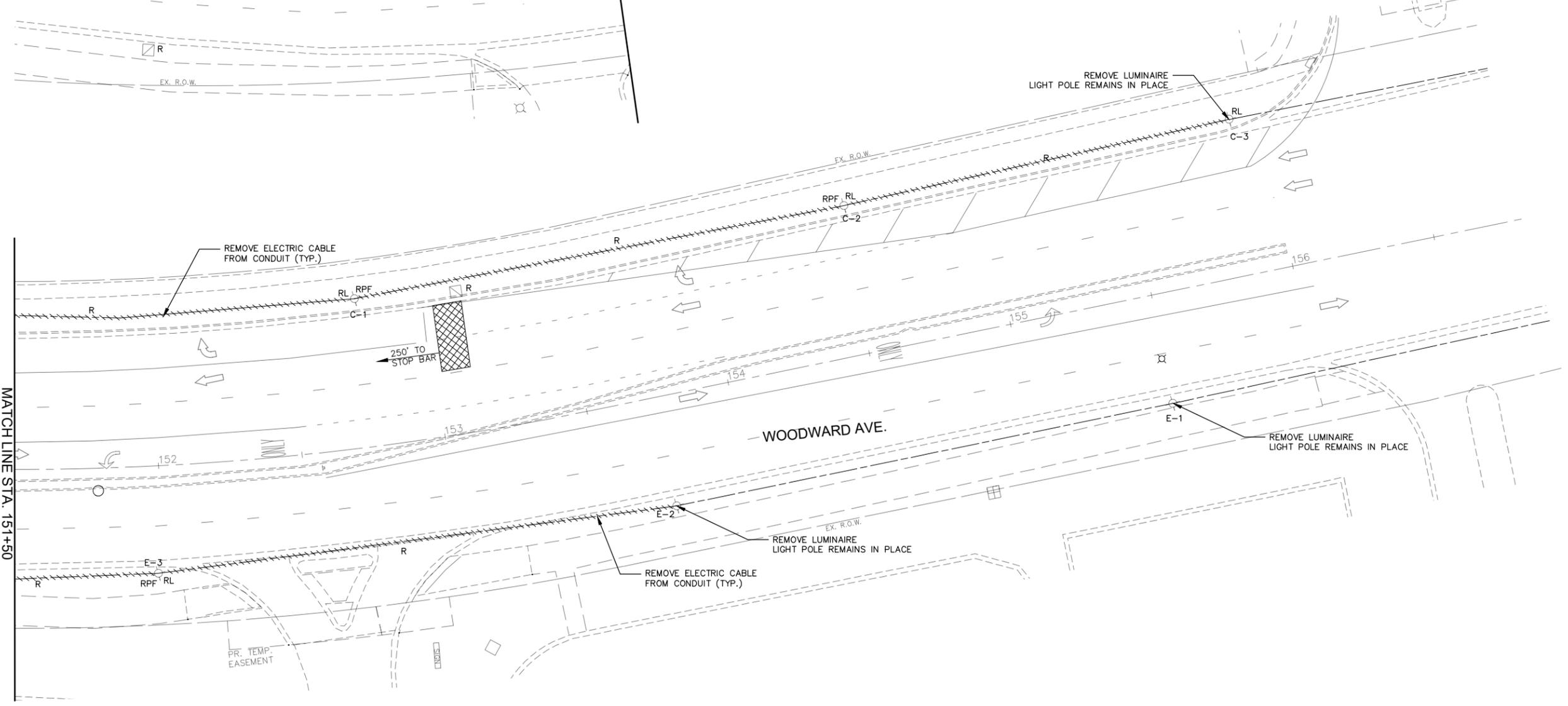


**TRAFFIC SIGNAL NOTES**

THE VIDEO DETECTION ZONES SHOWN FOR THE PRE-CONSTRUCTION STAGE SHALL ALSO BE USED IN STAGES 1, 2, AND 3. THE CONTRACTOR SHALL MODIFY THE LOCATION OF THE DETECTION ZONES BASED ON THE CURRENT MAINTENANCE OF TRAFFIC LANES.



PLAN	NO.	DATE
BY		
REVIEWED		
ALIGNMENT CHECKED		
R.O.W. CHECKED		
FILE NAME		

PROFILE	NO.	DATE
BY		
REVIEWED		
GRADES CHECKED		
B.M. NOTED		
STRUCTURE NOTATIONS CHECKED		

FILE NAME: \\V:\URBAGECO\140901\_00\_87th St. & Woodward Ave. Design\CADD\A-FINAL July 2021\140901\_87th TempTrafficSignal.dwg



USER NAME = cseadacko	DESIGNED — CS	REVISED — 04/25/2019
	DRAWN — CS	REVISED — 08/13/2021
PLOT SCALE = \$SCALE\$	CHECKED — JM	REVISED — 11/03/2021
PLOT DATE = 12/1/2021	DATE — 04/25/2019	REVISED — 12/02/2021

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

WOODWARD AVE.  
TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVALS PLAN  
PRE-CONSTRUCTION STAGE

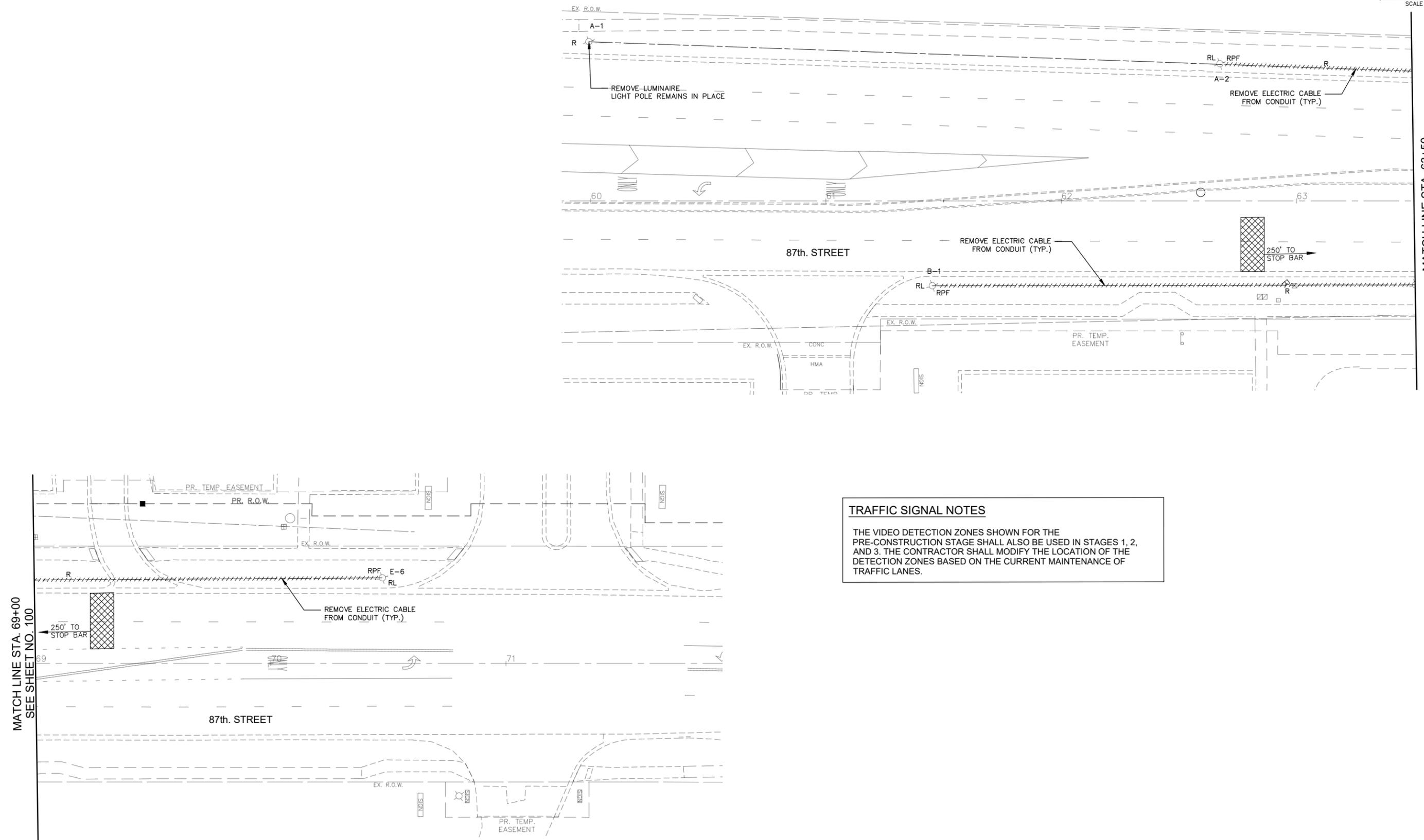
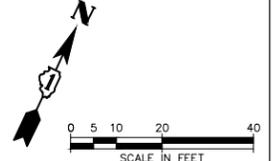
SCALE: 1"=20'    SHEET NO. 2 OF 3 SHEETS    STA. 145+00 TO STA. 155+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3580	13-00253-01-CH	DuPage	177	101
FED. ROAD DIST. NO. — ILLINOIS FED. AID PROJECT			CONTRACT NO. 61E87	

PLAN	REVIEWED	BY	DATE
NOTE BOOK NO.	ALIGNMENT CHECKED		
	R.F.O. WAY CHECKED		
	PROJ. FILE NAME		

PROFILE	REVIEWED	BY	DATE
NOTE BOOK NO.	B.M. NOTED		
	STRUCTURE NOTATIONS CHECKED		

FILE NAME: \\V:\URB\EGCO\140901\_00\_87th St. & Woodward Ave. Design\CADD\A-FINAL July 2021\140901\_87th Temp.TrafficSignal.dwg



**TRAFFIC SIGNAL NOTES**

THE VIDEO DETECTION ZONES SHOWN FOR THE PRE-CONSTRUCTION STAGE SHALL ALSO BE USED IN STAGES 1, 2, AND 3. THE CONTRACTOR SHALL MODIFY THE LOCATION OF THE DETECTION ZONES BASED ON THE CURRENT MAINTENANCE OF TRAFFIC LANES.

MATCH LINE STA. 63+50  
SEE SHEET NO. 100

MATCH LINE STA. 69+00  
SEE SHEET NO. 100

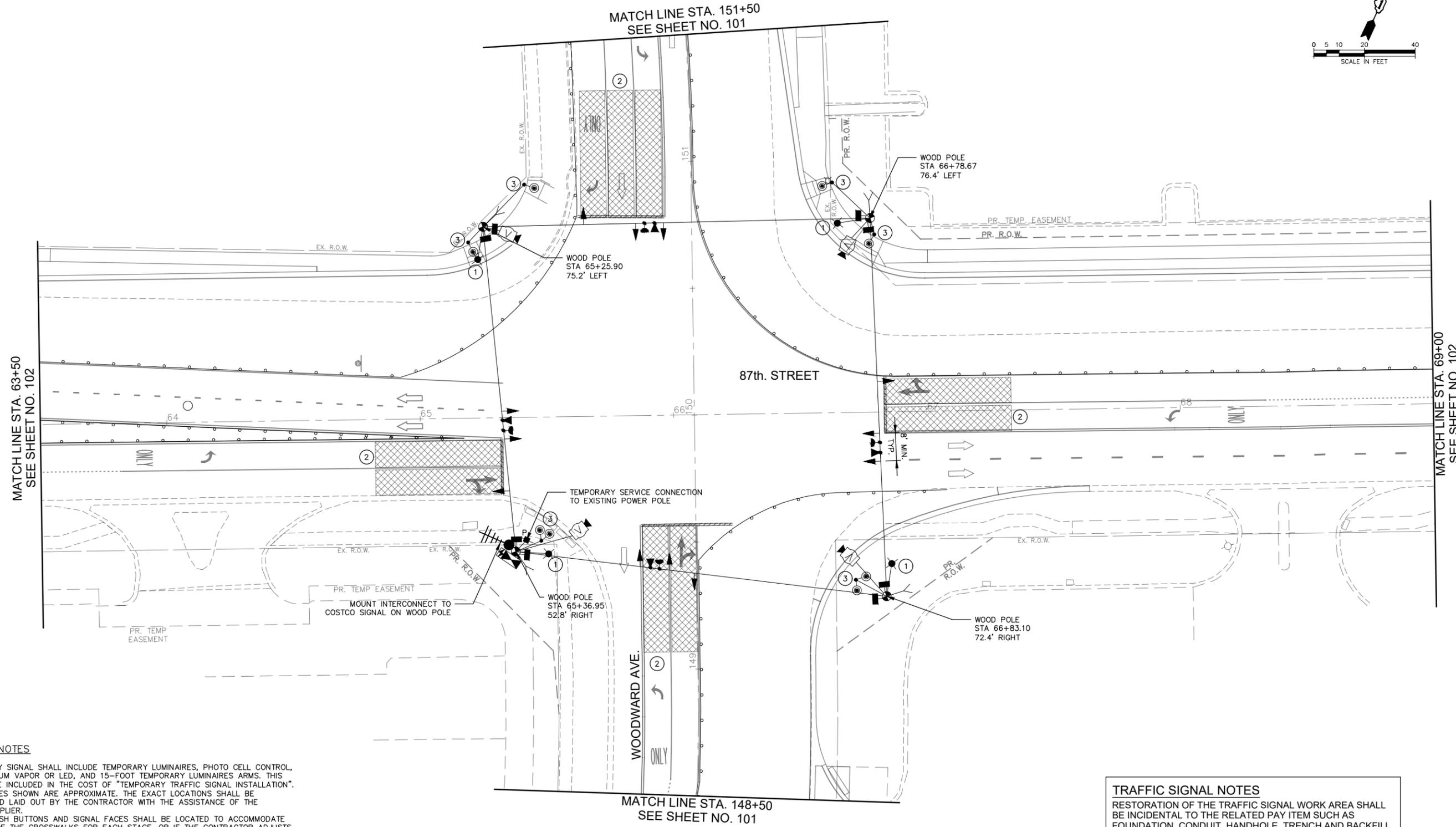
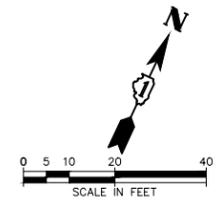


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PLOT SCALE = \$SCALE\$	DRAWN — CS	REVISED — 08/13/2021
PLOT DATE = 12/1/2021	CHECKED — JM	REVISED — 11/03/2021
	DATE — 04/25/2019	REVISED — 12/02/2021

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

87th. STREET TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVALS PLAN PRE-CONSTRUCTION STAGE		
SCALE: 1"=20'	SHEET NO.3 OF 3 SHEETS	STA. 60+50 TO STA. 65+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3580	13-00253-01-CH	DuPage	177	102
FED. ROAD DIST. NO. — ILLINOIS FED. AID PROJECT			CONTRACT NO. 61E87	



PLAN	DATE	BY
NO.		

PROFILE	DATE	BY
NO.		

**CONSTRUCTION NOTES**

1. THE TEMPORARY SIGNAL SHALL INCLUDE TEMPORARY LUMINAIRES, PHOTO CELL CONTROL, 400 WATT SODIUM VAPOR OR LED, AND 15-FOOT TEMPORARY LUMINAIRES ARMS. THIS WORK SHALL BE INCLUDED IN THE COST OF "TEMPORARY TRAFFIC SIGNAL INSTALLATION".
2. DETECTION ZONES SHOWN ARE APPROXIMATE. THE EXACT LOCATIONS SHALL BE DETERMINED AND LAID OUT BY THE CONTRACTOR WITH THE ASSISTANCE OF THE EQUIPMENT SUPPLIER.
3. PEDESTRIAN PUSH BUTTONS AND SIGNAL FACES SHALL BE LOCATED TO ACCOMMODATE THE POSITION OF THE CROSSWALKS FOR EACH STAGE, OR IF THE CONTRACTOR ADJUSTS THE ALIGNMENT OF PEDESTRIAN TRAFFIC WITHIN A STAGE. IF THE PUSH BUTTONS CANNOT BE INSTALLED ON THE TEMPORARY SIGNAL POSTS TO MEET IDOT AND ADA REQUIREMENTS (WITHIN 5 FEET OF THE CROSSWALK), THE CONTRACTOR SHALL INSTALL THEM ON 6"x6" WOOD POSTS OR BARRELS.

**TRAFFIC SIGNAL NOTES**  
 RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED.  
 THE TRAFFIC CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

FILE NAME: \\V:\URBAGECO\140901\_00\_87th St. & Woodward Ave. Design\CADD\A-FINAL July 2021\140901\_87th TempTrafficSignal.dwg

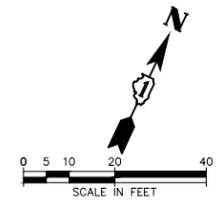


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	DRAWN — CS	REVISED — 08/13/2021
PLOT SCALE = \$SCALE\$	CHECKED — JM	REVISED — 11/03/2021
PLOT DATE = 12/1/2021	DATE — 04/25/2019	REVISED — 12/02/2021

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

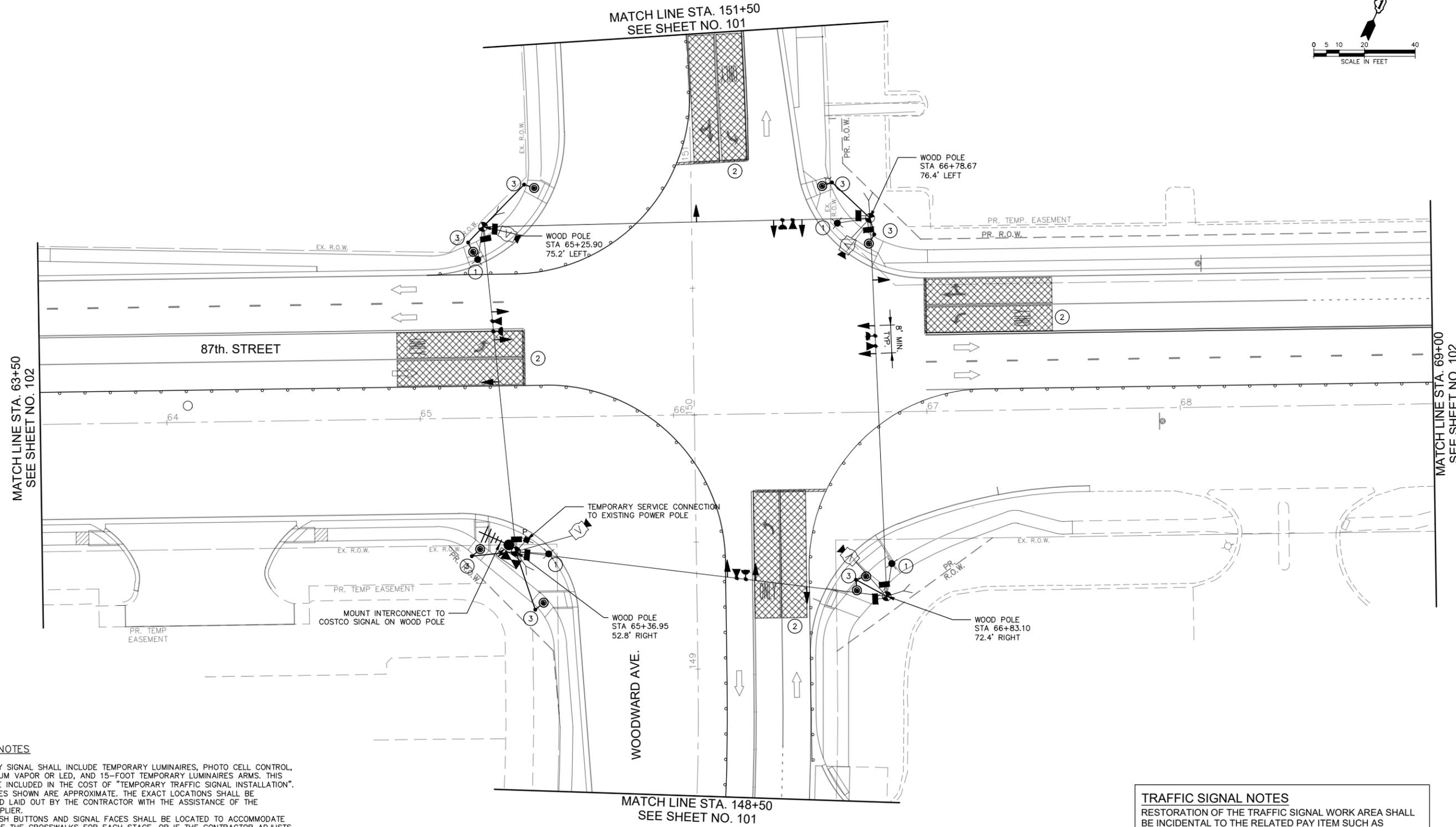
87th. STREET AND WOODWARD AVE. TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN STAGE 1		
SCALE: 1"=20'	SHEET NO. 1 OF 1 SHEETS	STA. 65+00 TO STA. 69+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3580	13-00253-01-CH	DuPage	177	103
FED. ROAD DIST. NO. — ILLINOIS FED. AID PROJECT			CONTRACT NO. 61E87	



PLAN	DATE	BY
NO.		

PROFILE	DATE	BY
NO.		



**CONSTRUCTION NOTES**

1. THE TEMPORARY SIGNAL SHALL INCLUDE TEMPORARY LUMINAIRES, PHOTO CELL CONTROL, 400 WATT SODIUM VAPOR OR LED, AND 15-FOOT TEMPORARY LUMINAIRES ARMS. THIS WORK SHALL BE INCLUDED IN THE COST OF "TEMPORARY TRAFFIC SIGNAL INSTALLATION".
2. DETECTION ZONES SHOWN ARE APPROXIMATE. THE EXACT LOCATIONS SHALL BE DETERMINED AND LAID OUT BY THE CONTRACTOR WITH THE ASSISTANCE OF THE EQUIPMENT SUPPLIER.
3. PEDESTRIAN PUSH BUTTONS AND SIGNAL FACES SHALL BE LOCATED TO ACCOMMODATE THE POSITION OF THE CROSSWALKS FOR EACH STAGE, OR IF THE CONTRACTOR ADJUSTS THE ALIGNMENT OF PEDESTRIAN TRAFFIC WITHIN A STAGE. IF THE PUSH BUTTONS CANNOT BE INSTALLED ON THE TEMPORARY SIGNAL POSTS TO MEET IDOT AND ADA REQUIREMENTS (WITHIN 5 FEET OF THE CROSSWALK), THE CONTRACTOR SHALL INSTALL THEM ON 6"x6" WOOD POSTS OR BARRELS.

**TRAFFIC SIGNAL NOTES**  
 RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED.  
  
 THE TRAFFIC CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

FILE NAME: \\V:\URBAGECO\140901\_00\_87th St. & Woodward  
 Ave. Design\CADD\A-FINAL July 2021\140901\_87th  
 TempTrafficSignal.dwg

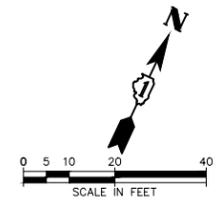


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PLOT SCALE = \$SCALE\$	CHECKED — JM	REVISED — 11/03/2021
PLOT DATE = 12/1/2021	DATE — 04/25/2019	REVISED — 12/02/2021

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

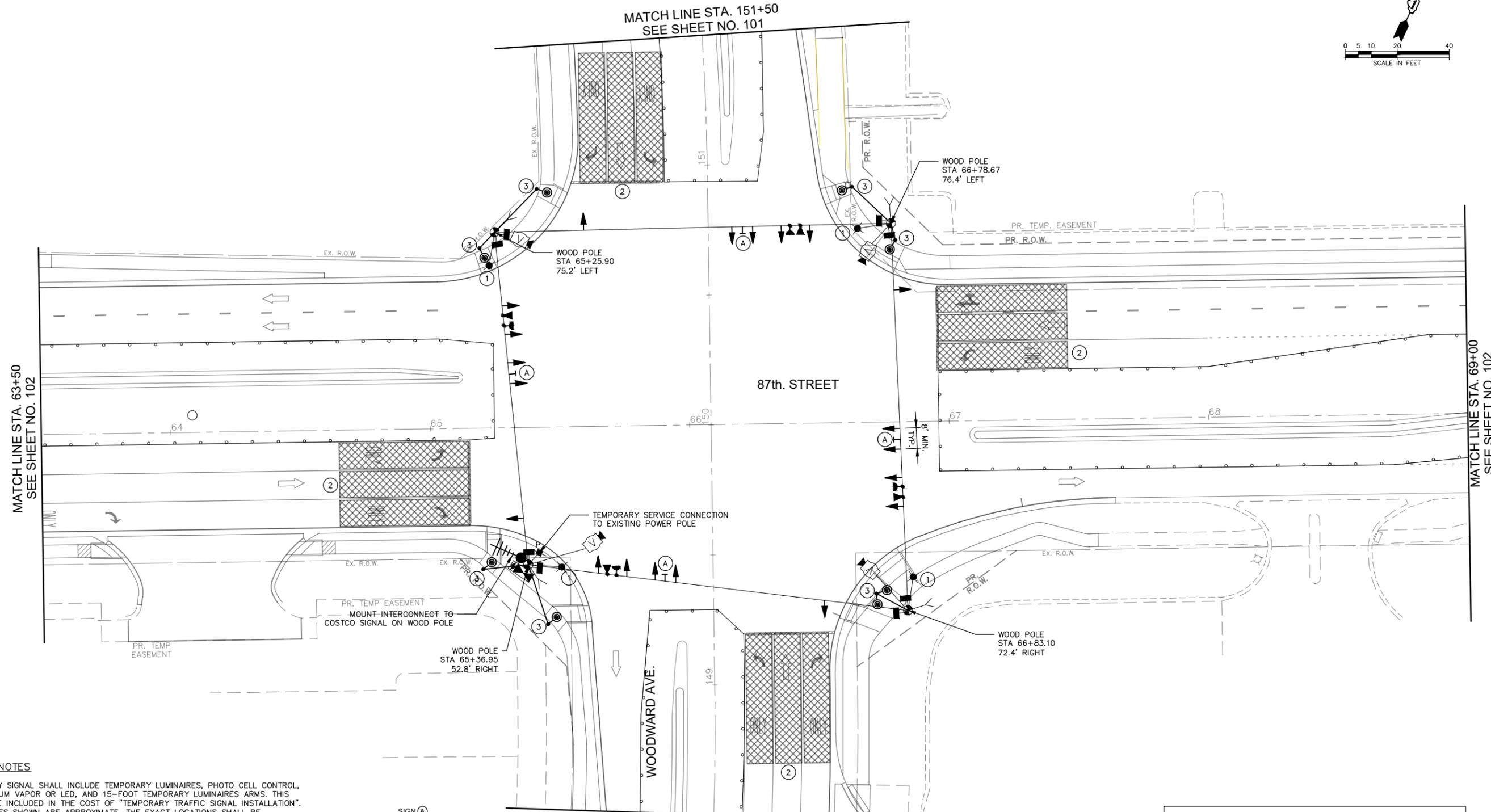
**87th. STREET AND WOODWARD AVE.**  
**TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN**  
**STAGE 2**  
 SCALE: 1"=20'    SHEET NO. 1 OF 1 SHEETS    STA. 65+00 TO STA. 69+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3580	13-00253-01-CH	DuPage	177	104
FED. ROAD DIST. NO. — ILLINOIS FED. AID PROJECT			CONTRACT NO. 61E87	



PLAN	DATE	BY
NO.		

PROFILE	DATE	BY
NO.		



**CONSTRUCTION NOTES**

1. THE TEMPORARY SIGNAL SHALL INCLUDE TEMPORARY LUMINAIRES, PHOTO CELL CONTROL, 400 WATT SODIUM VAPOR OR LED, AND 15-FOOT TEMPORARY LUMINAIRES ARMS. THIS WORK SHALL BE INCLUDED IN THE COST OF "TEMPORARY TRAFFIC SIGNAL INSTALLATION".
2. DETECTION ZONES SHOWN ARE APPROXIMATE. THE EXACT LOCATIONS SHALL BE DETERMINED AND LAID OUT BY THE CONTRACTOR WITH THE ASSISTANCE OF THE EQUIPMENT SUPPLIER.
3. PEDESTRIAN PUSH BUTTONS AND SIGNAL FACES SHALL BE LOCATED TO ACCOMMODATE THE POSITION OF THE CROSSWALKS FOR EACH STAGE, OR IF THE CONTRACTOR ADJUSTS THE ALIGNMENT OF PEDESTRIAN TRAFFIC WITHIN A STAGE. IF THE PUSH BUTTONS CANNOT BE INSTALLED ON THE TEMPORARY SIGNAL POSTS TO MEET IDOT AND ADA REQUIREMENTS (WITHIN 5 FEET OF THE CROSSWALK), THE CONTRACTOR SHALL INSTALL THEM ON 6"x6" WOOD POSTS OR BARRELS.



**TRAFFIC SIGNAL NOTES**  
 RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED.  
 THE TRAFFIC CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

FILE NAME: \\V:\URBAGECO\140901\_00\_87th St. & Woodward Ave. Design\CADD\A-FINAL July 2021\140901\_87th Temp.TrafficSignal.dwg



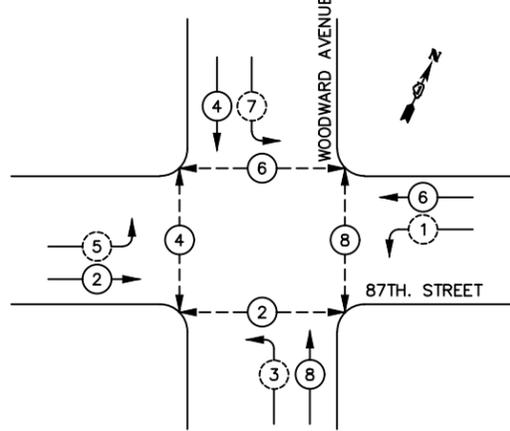
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PLOT DATE = 12/1/2021	DATE — 04/25/2019	REVISED — 12/02/2021

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

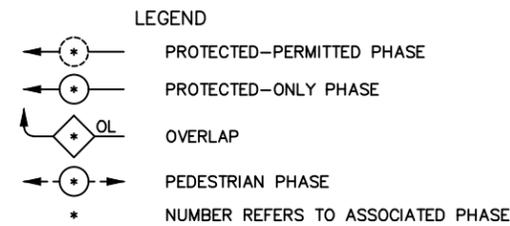
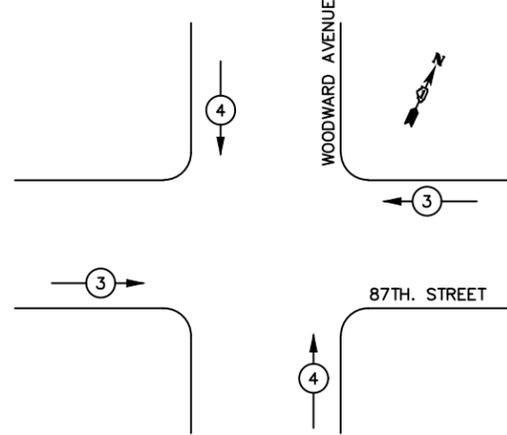
87th. STREET AND WOODWARD AVE. TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN STAGE 3		
SCALE: 1"=20'	SHEET NO. 1 OF 1 SHEETS	STA. 65+00 TO STA. 69+50

F.A.U. RTE. 3580	SECTION 13-00253-01-CH	COUNTY DuPage	TOTAL SHEETS 177	SHEET NO. 105
FED. ROAD DIST. NO. — ILLINOIS FED. AID PROJECT			CONTRACT NO. 61E87	

TEMPORARY CONTROLLER SEQUENCE



TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



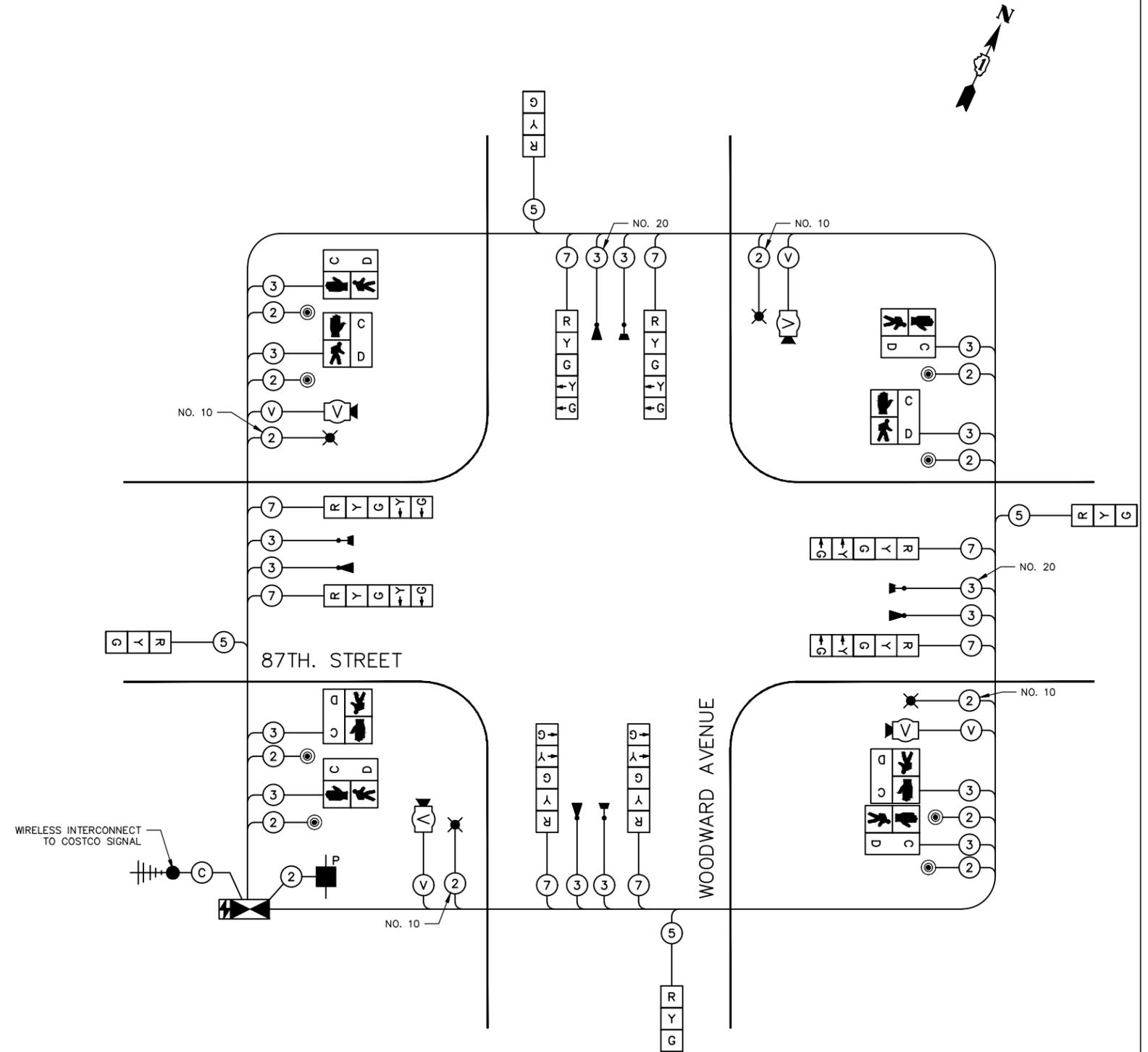
TEMPORARY PHASE DESIGNATION DIAGRAM

TEMPORARY EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	↔	↕

TEMPORARY CABLE PLAN NOTES

- THE TEMPORARY LUMINAIRES SHALL NOT BE CONNECTED TO THE UNINTERRUPTED POWER SUPPLY.

THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THE PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.



TEMPORARY CABLE PLAN - PRESTAGE, STAGES 1 AND 2  
N.T.S.

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. OF LAMPS	xINCAND.	LED	% OPERATION	
SIGNAL (RED)	12		17	0.50	102.00
(YELLOW)	12		25	0.25	75.00
(GREEN)	12		15	0.25	45.00
ARROW	16		12	0.10	19.20
PED. SIGNAL	8		25	1.00	200.00
CONTROLLER	1		100	1.00	100.00
ILLUM. SIGN	-		25	0.05	-
VIDEO SYSTEM	1	150		1.00	150.00
FLASHER				0.50	-
ENERGY COSTS TO:					TOTAL = 691.20

FILE NAME: \\V:\P\B\G\140901\_00\_87th St & Woodward Ave Design\CADD\A-FINAL July 2021\140901\_87th TempTrafficSignal.dwg



USER NAME = cseadacko  
DESIGNED - CS  
DRAWN - CS  
PLOT SCALE = \$SCALE\$  
PLOT DATE = 12/1/2021

DESIGNED - CS  
DRAWN - CS  
CHECKED - JM  
DATE - 04/25/2019

REVISED - 04/25/2019  
REVISED - 08/13/2021  
REVISED - 11/03/2021  
REVISED - 12/02/2021

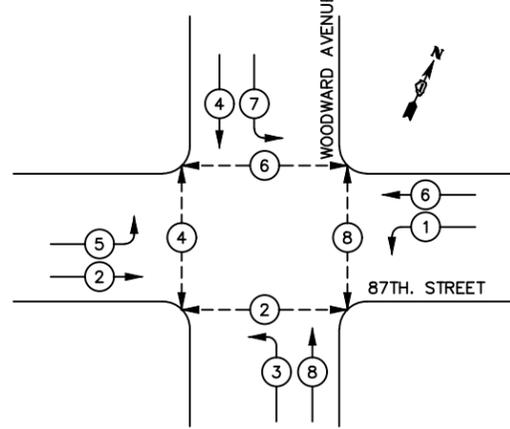
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

87th. STREET AND WOODWARD AVE. PRESTAGE, STAGES 1 AND 2  
TEMPORARY CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND  
TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE

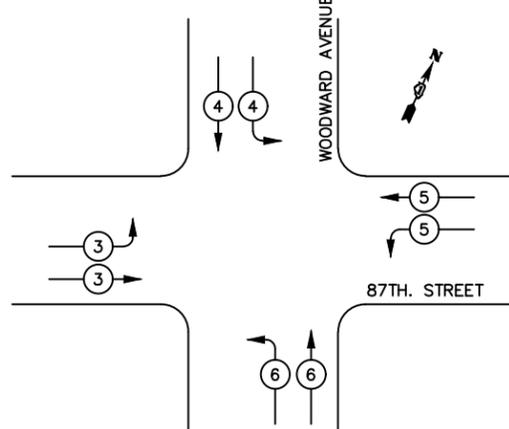
NOT TO SCALE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3580	13-00253-01-CH	DuPage	177	106
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT			CONTRACT NO. 61E87	

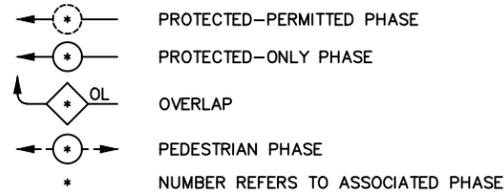
TEMPORARY CONTROLLER SEQUENCE



TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



LEGEND



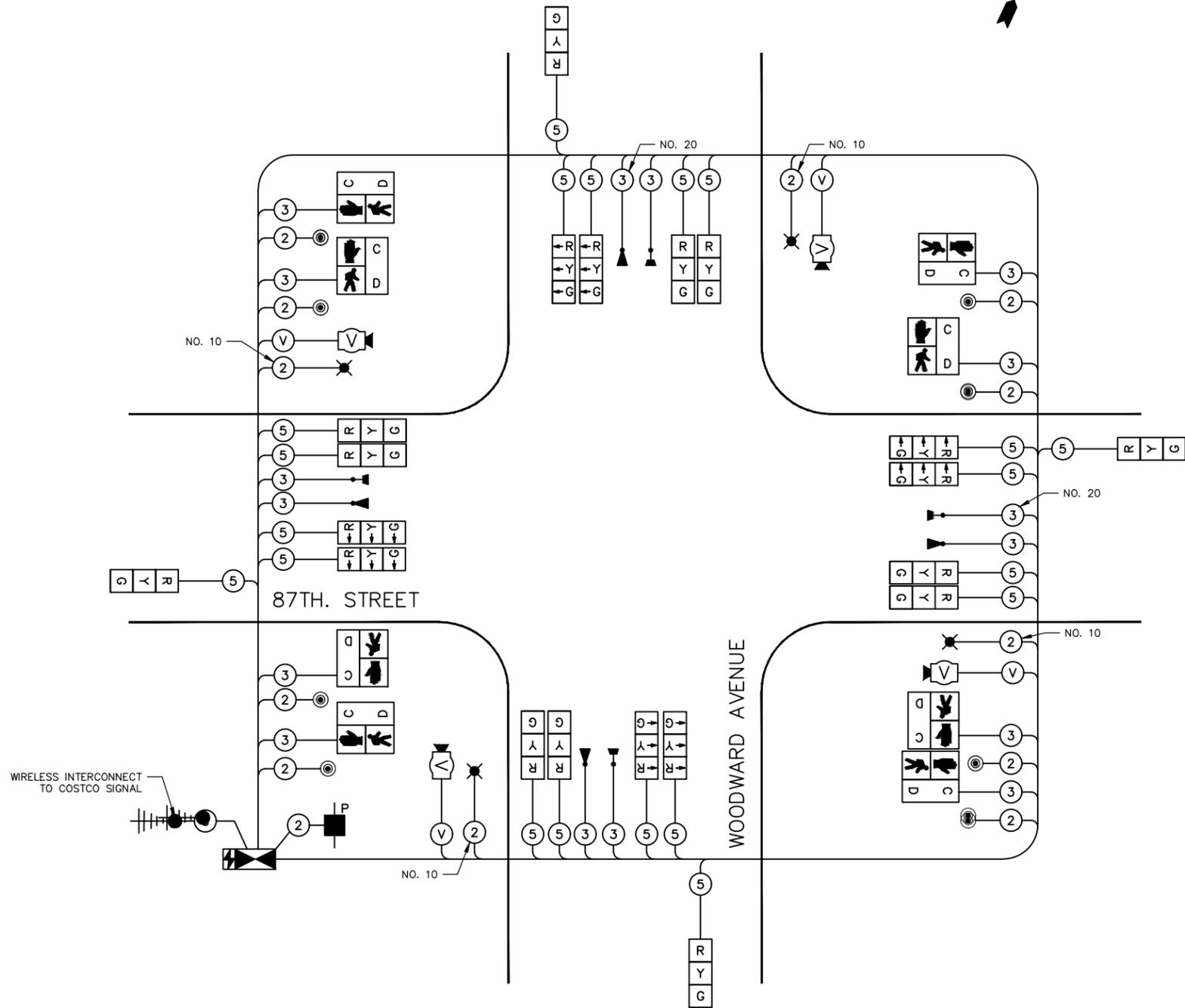
PROPOSED EMERGENCY VEHICLE PREEMPTORS				
EMERGENCY VEHICLE PREEMPTOR	3	4	5	6
MOVEMENT				

TEMPORARY PHASE DESIGNATION DIAGRAM

TEMPORARY CABLE PLAN NOTES

- THE TEMPORARY LUMINAIRES SHALL NOT BE CONNECTED TO THE UNINTERRUPTED POWER SUPPLY.

THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THE PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.



TEMPORARY CABLE PLAN - STAGE 3  
N.T.S.

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. OF LAMPS	xINCAND.	LED	% OPERATION	
SIGNAL (RED)	20		17	0.50	170.00
(YELLOW)	20		25	0.25	125.00
(GREEN)	20		15	0.25	75.00
ARROW	16		12	0.10	19.20
PED. SIGNAL	8		25	1.00	200.00
CONTROLLER	1		100	1.00	100.00
ILLUM. SIGN	-		25	0.05	-
VIDEO SYSTEM	1	150		1.00	150.00
FLASHER				0.50	-
ENERGY COSTS TO:					TOTAL = 839.20

FILE NAME: \\V:\BUREAU\140901\_00\_87th St & Woodward Ave Design\CADD\A-FINAL July 2021\140901\_87th TempTrafficSignal.dwg



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DESIGNED - CS  
DRAWN - CS  
PLOT SCALE = \$SCALE\$  
PLOT DATE = 12/1/2021

DESIGNED - CS  
DRAWN - CS  
CHECKED - JM  
DATE - 04/25/2019

REVISED - 04/25/2019  
REVISED - 08/13/2021  
REVISED - 11/03/2021  
REVISED - 12/02/2021

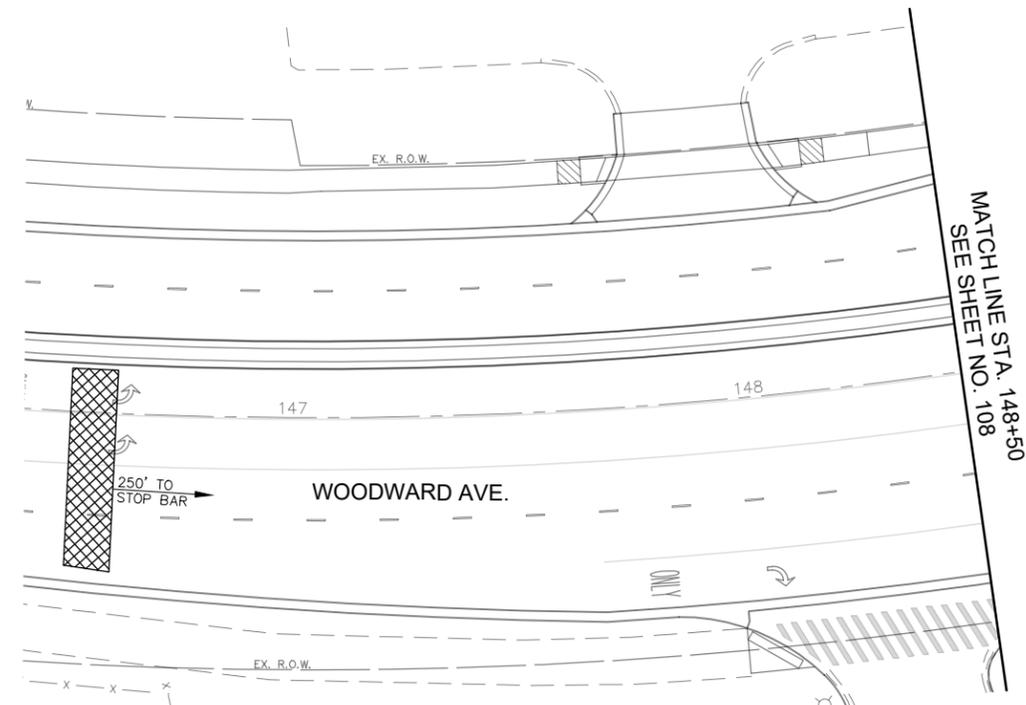
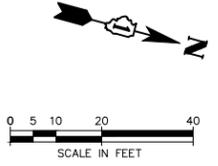
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

87th. STREET AND WOODWARD AVE. STAGE 3  
TEMPORARY CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND  
TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE

NOT TO SCALE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

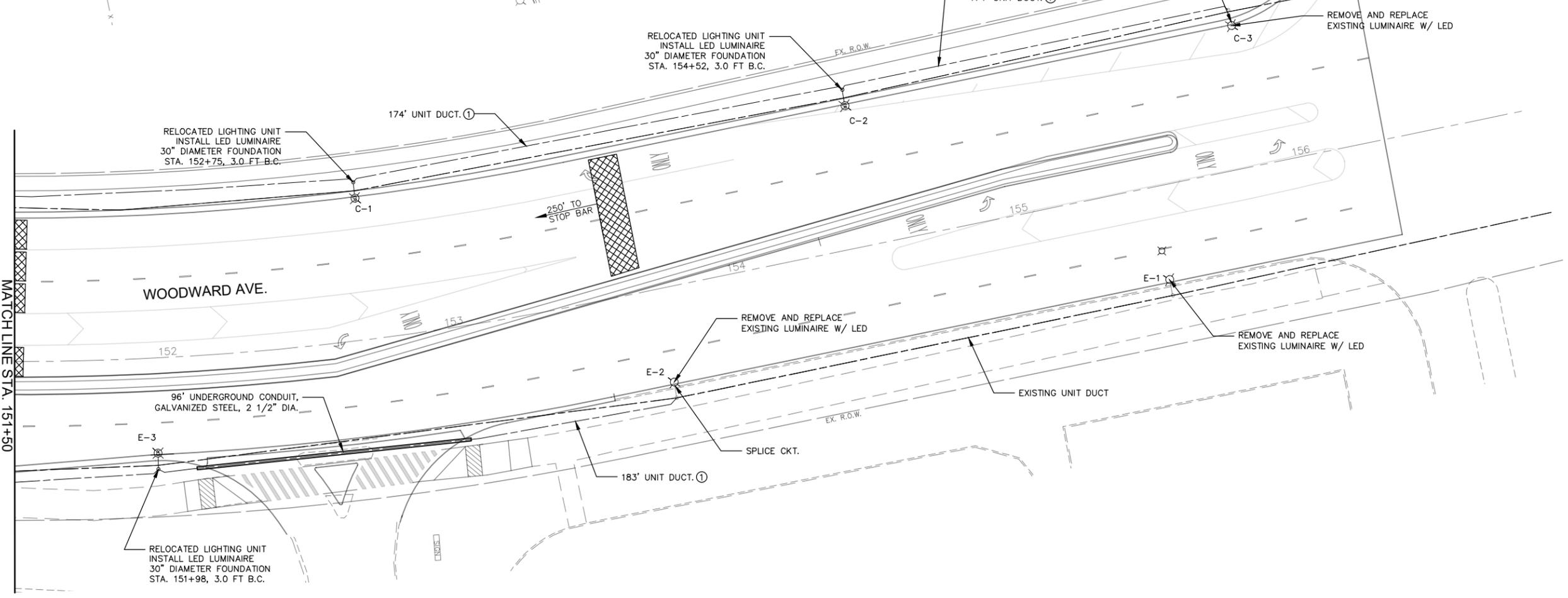
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3580	13-00253-01-CH	DuPage	177	107
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT			CONTRACT NO. 61E87	





- LIGHTING NOTES:**
1. ALL LUMINAIRES SHALL BE LED TYPE III
  2. ALL SPLICES SHALL OCCUR IN POLES OR IN ABOVE GROUND JUNCTION BOXES.

- LIGHTING LEGEND**
- ① UNIT DUCT, 600V, 2-1/C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA.



PLAN	NO.	DATE
BY		
REVIEWED		
APPROVED		
ALIGNMENT CHECKED		
RT OF WAY CHECKED		
PROJ. FILE NAME		

PROFILE	NO.	DATE
BY		
REVIEWED		
APPROVED		
GRADES CHECKED		
B.M. NOTED		
STRUCTURE NOTATIONS CHECKED		

FILE NAME: \\V:\URBAGECO\140901\_00\_87th St. & Woodward Ave. Design\CADD\A-FINAL July 2021\140901\_87th Prop.TrafficSignals.dwg

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	DRAWN — CS	REVISED — 08/13/2021
PLOT SCALE = \$SCALE\$	CHECKED — JM	REVISED — 11/03/2021
PLOT DATE = 12/1/2021	DATE — 04/25/19	REVISED — 12/02/2021

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>WOODWARD AVE. TRAFFIC SIGNAL MODERNIZATION PLAN</b>		
SCALE: 1"=20'	SHEET NO. 2 OF 3 SHEETS	STA. 145+00 TO STA. 155+00

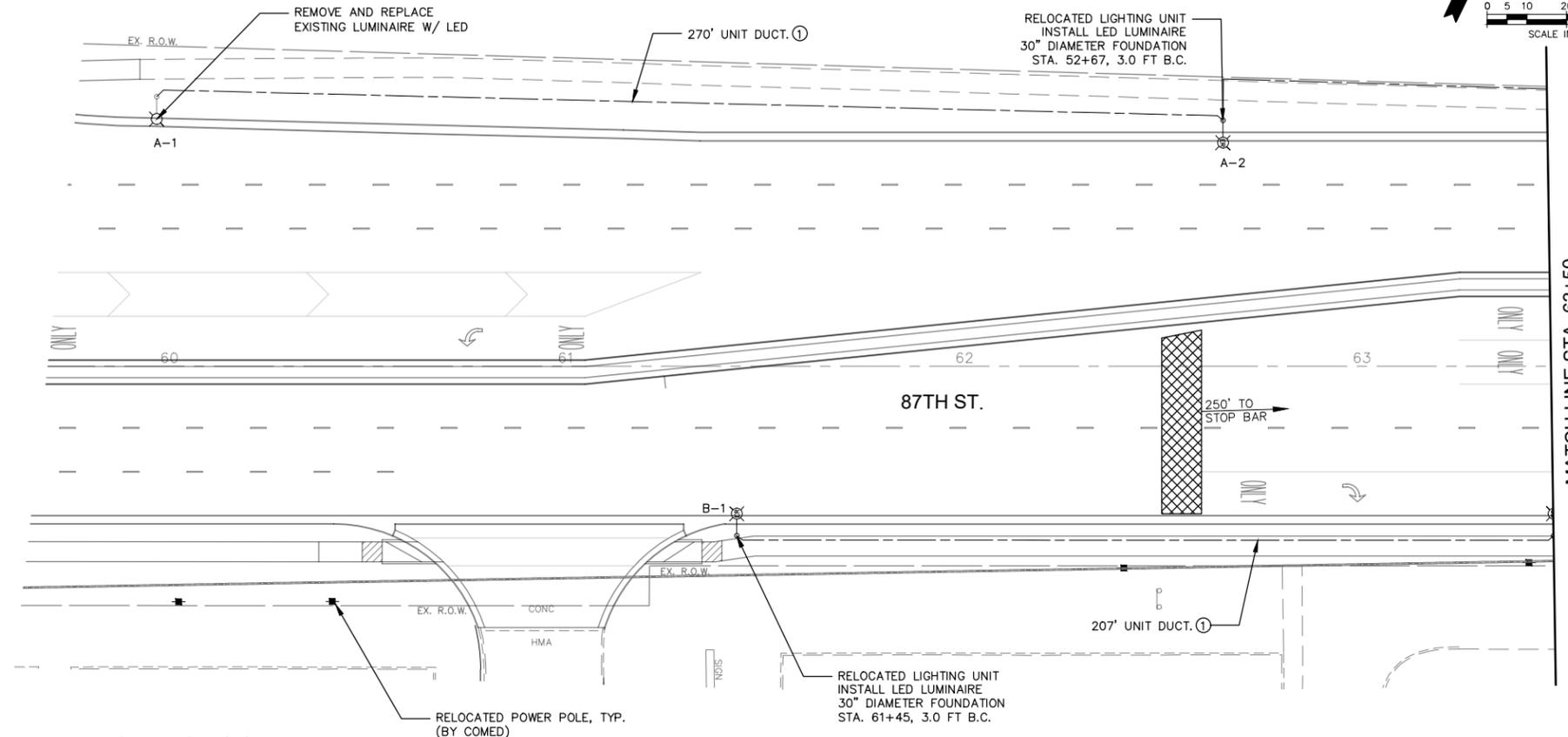
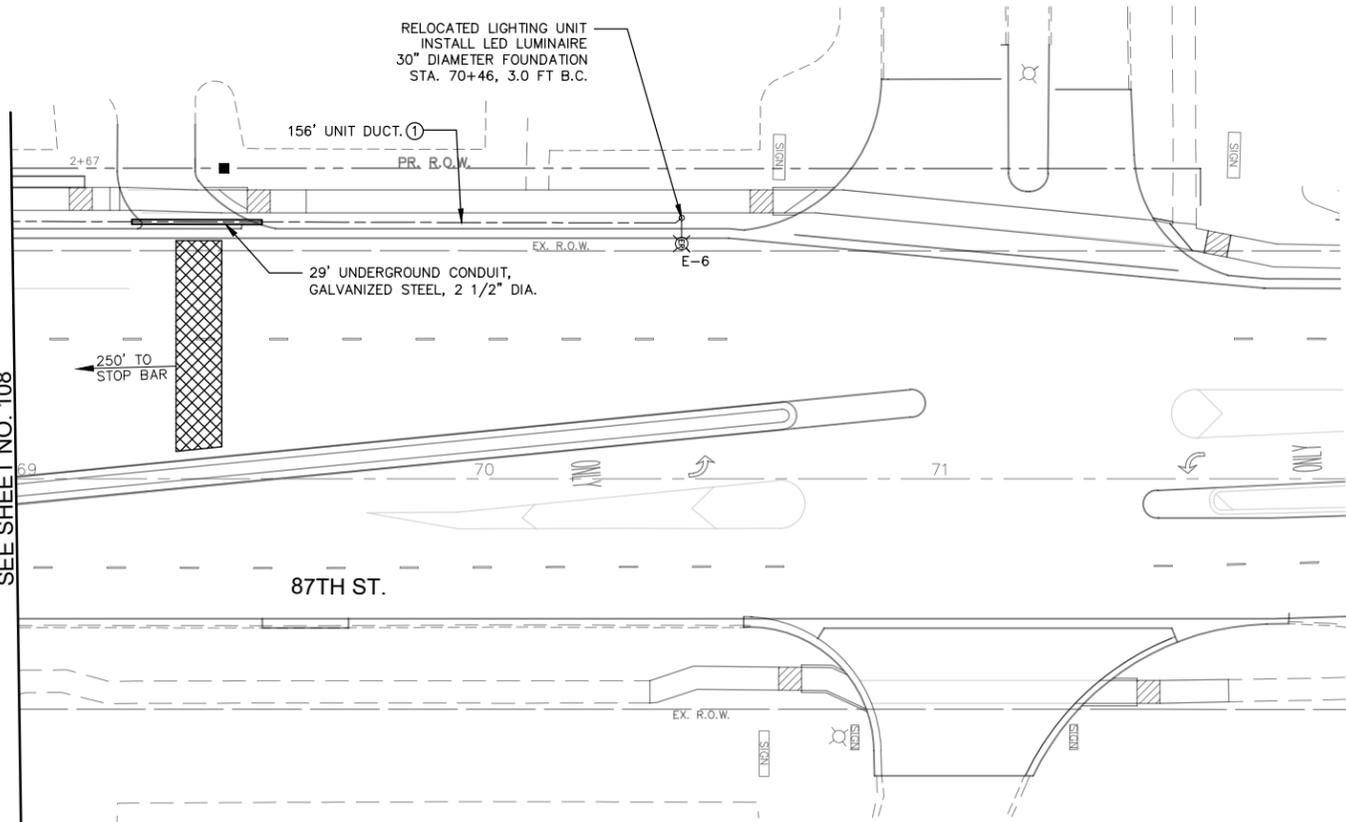
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3580	13-00253-01-CH	DuPage	177	109
FED. ROAD DIST. NO. — ILLINOIS FED. AID PROJECT			CONTRACT NO. 61E87	

PLAN	DATE	BY
NO. _____	_____	_____

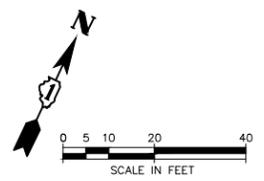
PROFILE	DATE	BY
NO. _____	_____	_____

FILE NAME: \\V:\URB\EGCO\140901\_00\_87th St. & Woodward  
 Ave. Design\CADD\A-FINAL July 2021\140901\_87th  
 Prop.TrafficSignals.dwg

MATCH LINE STA. 69+00  
 SEE SHEET NO. 108



MATCH LINE STA. 63+50  
 SEE SHEET NO. 108



- LIGHTING NOTES:**
1. ALL LUMINAIRES SHALL BE LED TYPE III
  2. ALL SPLICES SHALL OCCUR IN POLES OR IN ABOVE GROUND JUNCTION BOXES.

- LIGHTING LEGEND**
- ① UNIT DUCT, 600V, 2-1/C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA.

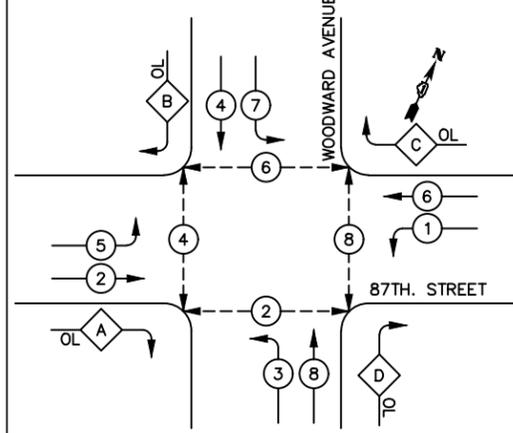
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PLOT DATE = 12/1/2021	CHECKED — JM	REVISED — 11/03/2021
	DATE — 04/25/19	REVISED — 12/02/2021

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

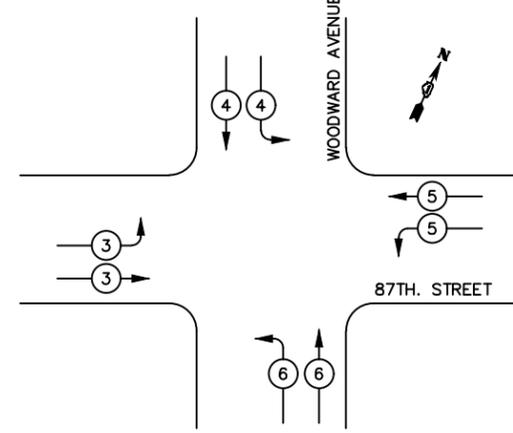
<b>87th. STREET TRAFFIC SIGNAL MODERNIZATION PLAN</b>		
SCALE: 1"=20'	SHEET NO. 3 OF 3 SHEETS	STA. 60+50 TO STA. 65+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3580	13-00253-01-CH	DuPage	177	110
FED. ROAD DIST. NO. — ILLINOIS FED. AID PROJECT			CONTRACT NO. 61E87	

**PROPOSED CONTROLLER SEQUENCE**



**PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**LEGEND**

- PROTECTED-PERMITTED PHASE
- PROTECTED-ONLY PHASE
- OVERLAP
- PEDESTRIAN PHASE
- NUMBER REFERS TO ASSOCIATED PHASE

PROPOSED EMERGENCY VEHICLE PREEMPTORS				
EMERGENCY VEHICLE PREEMPTOR	3	4	5	6
MOVEMENT				

**PHASE DESIGNATION DIAGRAM**

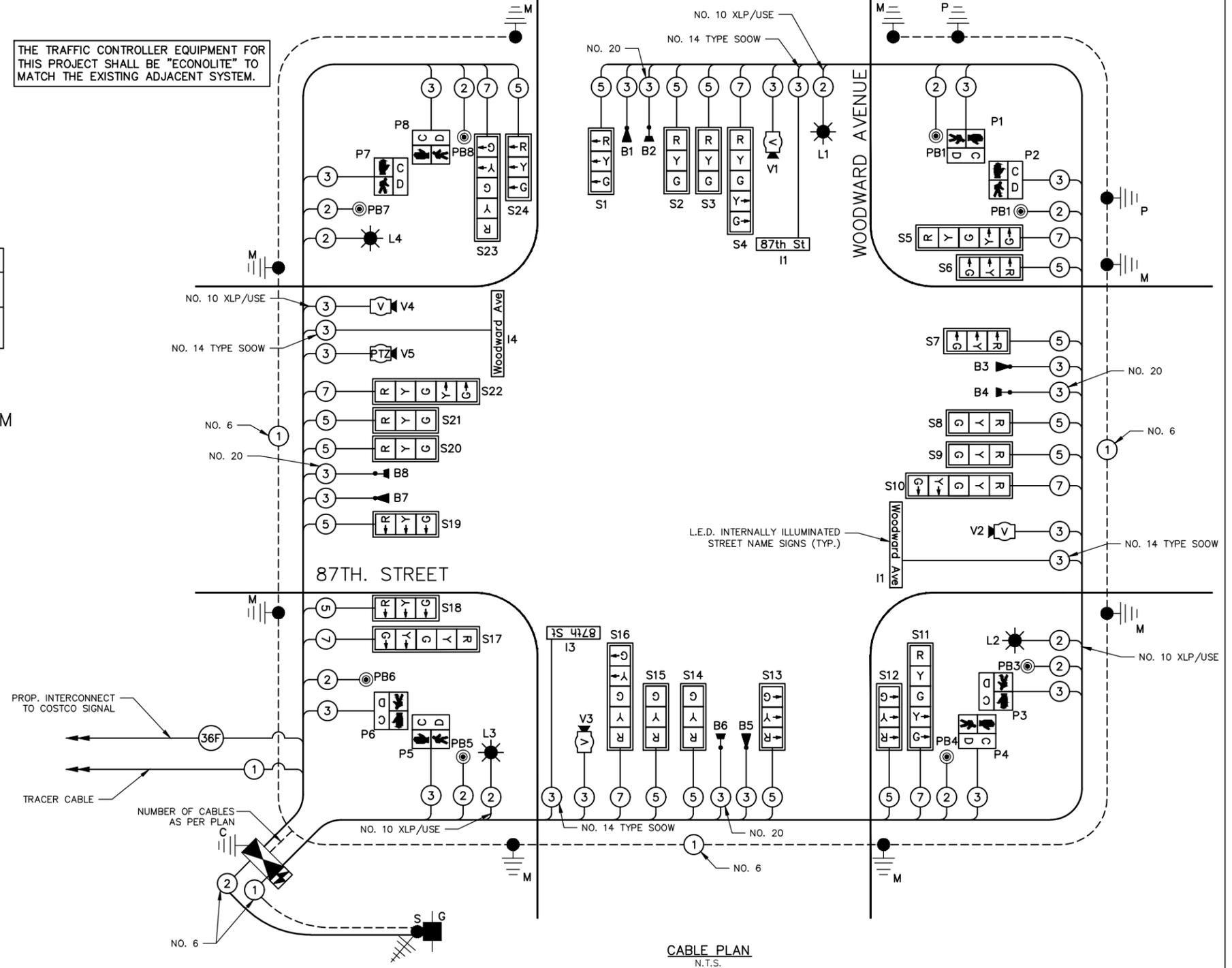
**RIGHT TURN OVERLAP PHASE DESIGNATION**

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	= 2	+ 3
B	= 4	+ 5
C	= 6	+ 7
D	= 8	+ 1

**TRAFFIC SIGNAL NOTES**

1. THE TRACER CABLE SHALL BE CONTINUOUS AND EXTEND INTO THE CONTROLLER CABINET.
2. LED INTERNALLY ILLUMINATED STREET NAME SIGNS SHALL NOT BE CONNECTED TO THE UNINTERRUPTIBLE POWER SUPPLY.

THE TRAFFIC CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.



I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. OF LAMPS	INCAND.	LED	%OPERATION	
SIGNAL (RED)	24		17	0.5	204.00
(YELLOW)	24		25	0.25	150.00
(GREEN)	24		15	0.25	90.00
ARROW	16		12	0.1	19.20
PED. SIGNAL	8		25	1	200.00
CONTROLLER	1		100	1	100.00
ILLUM. SIGN	4		25	0.05	5.00
VIDEO SYSTEM	1		150	1	150.00
LUMINAIRE	4		125	0.5	250.00
FLASHER				0.5	
ENERGY COST TO:				TOTAL =	1168.20

**VILLAGE OF WOODRIDGE**

PUBLIC WORKS DEPARTMENT  
1 PLAZA DRIVE, WOODRIDGE, IL 60517

ENERGY SUPPLY: CONTACT: DEAN MARTINEZ  
PHONE: (630) 691-4869  
COMPANY: COMED

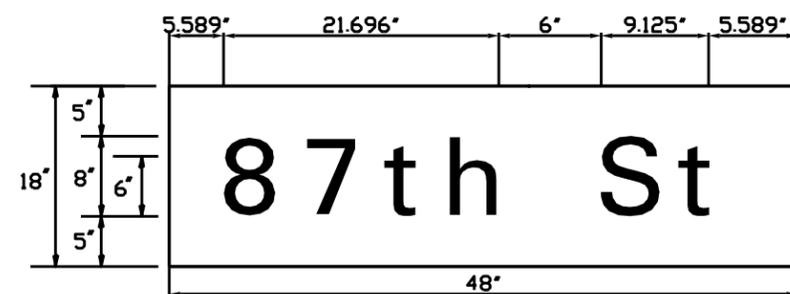
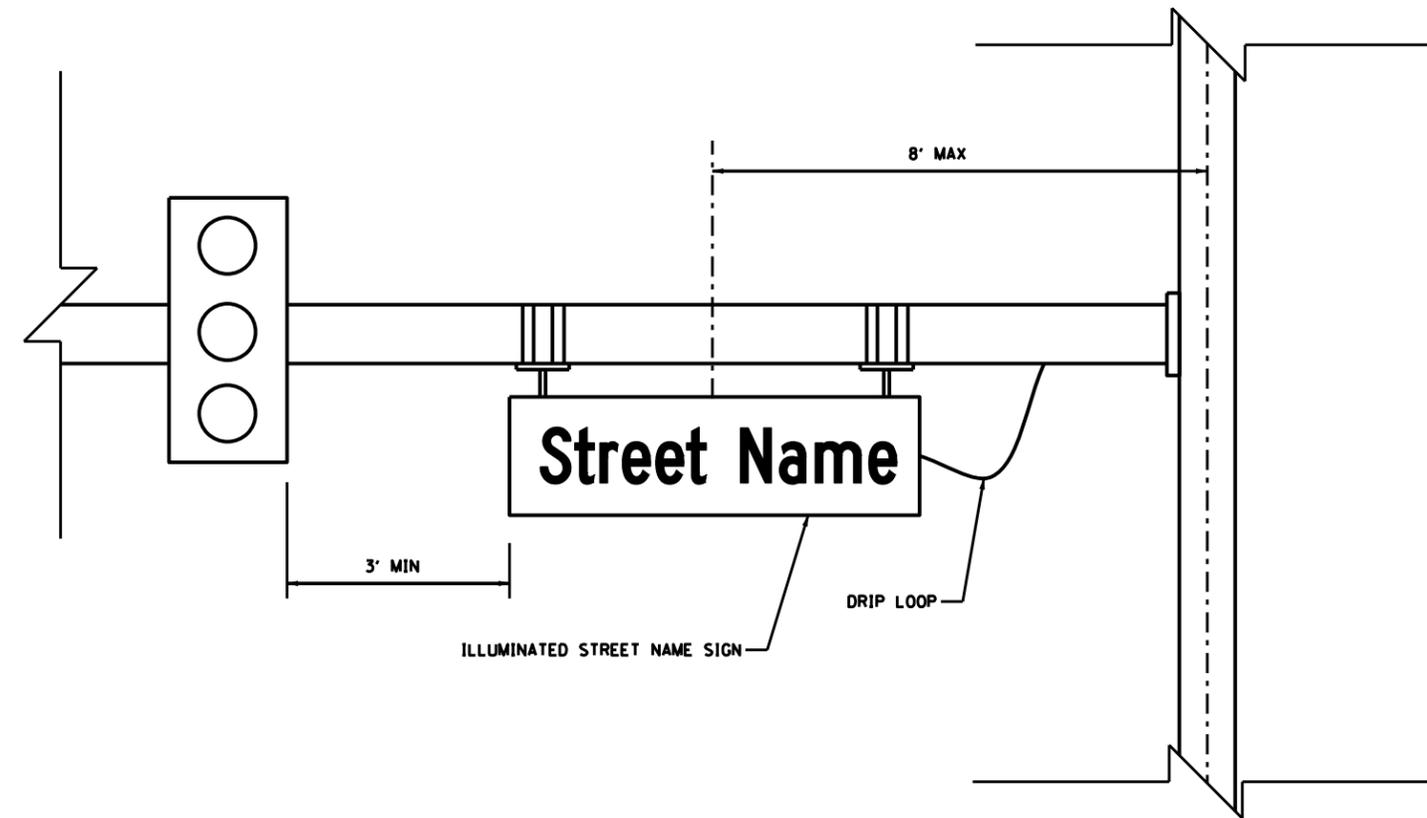
USER NAME = cseadacko	DESIGNED - CS	REVISED - 04/25/2019
	DRAWN - CS	REVISED - 08/13/2021
PLOT SCALE = \$SCALE\$	CHECKED - JM	REVISED - 11/03/2021
PLOT DATE = 12/1/2021	DATE - 04/25/2019	REVISED - 12/02/2021

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

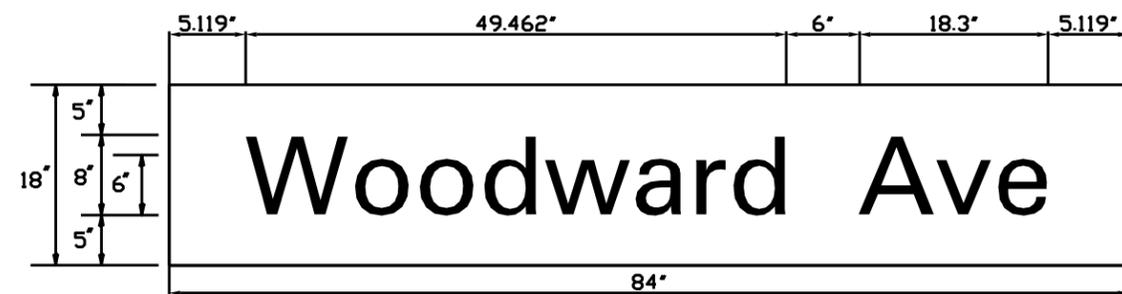
87th. STREET AND WOODWARD AVE.  
CABLE PLAN AND SEQUENCE OF OPERATIONS

NOT TO SCALE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3580	13-00253-01-CH	DuPage	177	111
CONTRACT NO. 61E87				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				



\_\_\_\_\_ SINGLE-SIDED REQUIRED  
 X DOUBLE-SIDED REQUIRED  
 6.00 Sq. Ft. each  
 2 Required  
 Design Series D



\_\_\_\_\_ SINGLE-SIDED REQUIRED  
 X DOUBLE-SIDED REQUIRED  
 10.50 Sq. Ft. each  
 2 Required  
 Design Series D

NOTE: SIGN DIMENSIONS ARE IN ENGLISH UNITS

### Schedule of Quantities

Pay Item	QTY	Unit
SERVICE INSTALLATION, GROUND MOUNTED	1	EACH
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	162	FOOT
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3.5" DIA.	157	FOOT
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	549	FOOT
UNDERGROUND CONDUIT, GALVANIZED STEEL, 5" DIA.	20	FOOT
HANDHOLE	2	EACH
DOUBLE HANDHOLE	2	EACH
TRANSCEIVER-FIBER OPTIC	1	EACH
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	927	FOOT
ELECTRIC CABLE IN CONDUIT, NO. 14 2C	2506	FOOT
ELECTRIC CABLE IN CONDUIT, NO. 14 3C	2454	FOOT
ELECTRIC CABLE IN CONDUIT, NO. 14 5C	3945	FOOT
ELECTRIC CABLE IN CONDUIT, NO. 14 7C	1814	FOOT
PEDESTRIAN SIGNAL POST, 5 FT.	3	EACH
STEEL MAST ARM ASEMBLY AND POLE 20 FT	1	EACH
STEEL MAST ARM ASEMBLY AND POLE 22 FT	1	EACH
STEEL MAST ARM ASEMBLY AND POLE 26 FT	2	EACH
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 55 FT.	2	EACH
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 60 FT.	2	EACH
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	12	FOOT
CONCRETE FOUNDATION TYPE C	4	FOOT
CONCRETE FOUNDATION TYPE E, 30" DIAMETER	40	FOOT
CONCRETE FOUNDATION TYPE E, 36" DIAMETER	30	FOOT
CONCRETE FOUNDATION TYPE E, 42" DIAMETER	63	FOOT
SIGNAL HEAD, LED, 1-FACE, 3-SECTION MAST ARM MOUNTED	16	EACH
SIGNAL HEAD, LED, 1-FACE, 5-SECTION MAST ARM MOUNTED	8	EACH
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	8	EACH
TRAFFIC SIGNAL BACKPLATE LOUVERED, FORMED PLASTIC	24	EACH
LIGHT DETECTOR	4	EACH
LIGHT DETECTOR AMPLIFIER	1	EACH
TEMPORARY TRAFFIC SIGNAL INSTALLATION	1	EACH
REMOVE ELECTRIC CABLE FROM CONDUIT	10500	FOOT
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	1	EACH
REMOVE EXISTING HANDHOLE	6	EACH
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	1965	FOOT
VIDEO DETECTION SYSTEM	1	EACH
ELECTRIC CABLE IN CONDUIT, STREET NAME SIGN, NO. 14 3C, TYPE SOOW	873	FOOT
LED INTERNALLY ILLUMINATED STREET NAME SIGN	4	EACH
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	1	EACH
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	1	EACH
ACCESSIBLE PEDSTRIAN PUSH-BUTTON	8	EACH
TEMPORARY TRAFFIC SIGNAL TIMING	1	EACH



USER NAME = cseclacko  
 DESIGNED CS  
 DRAWN CS  
 CHECKED JM  
 DATE 04/25/19

REVISED 04/25/19  
 REVISED 08/13/2021  
 REVISED 11/03/2021  
 REVISED 12/02/2021

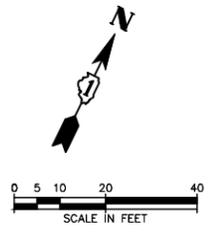
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ILLUMINATED STREET NAME SIGN

SCALE: N.T.S. SHEET 1 OF 1 SHEETS STA. TO STA.

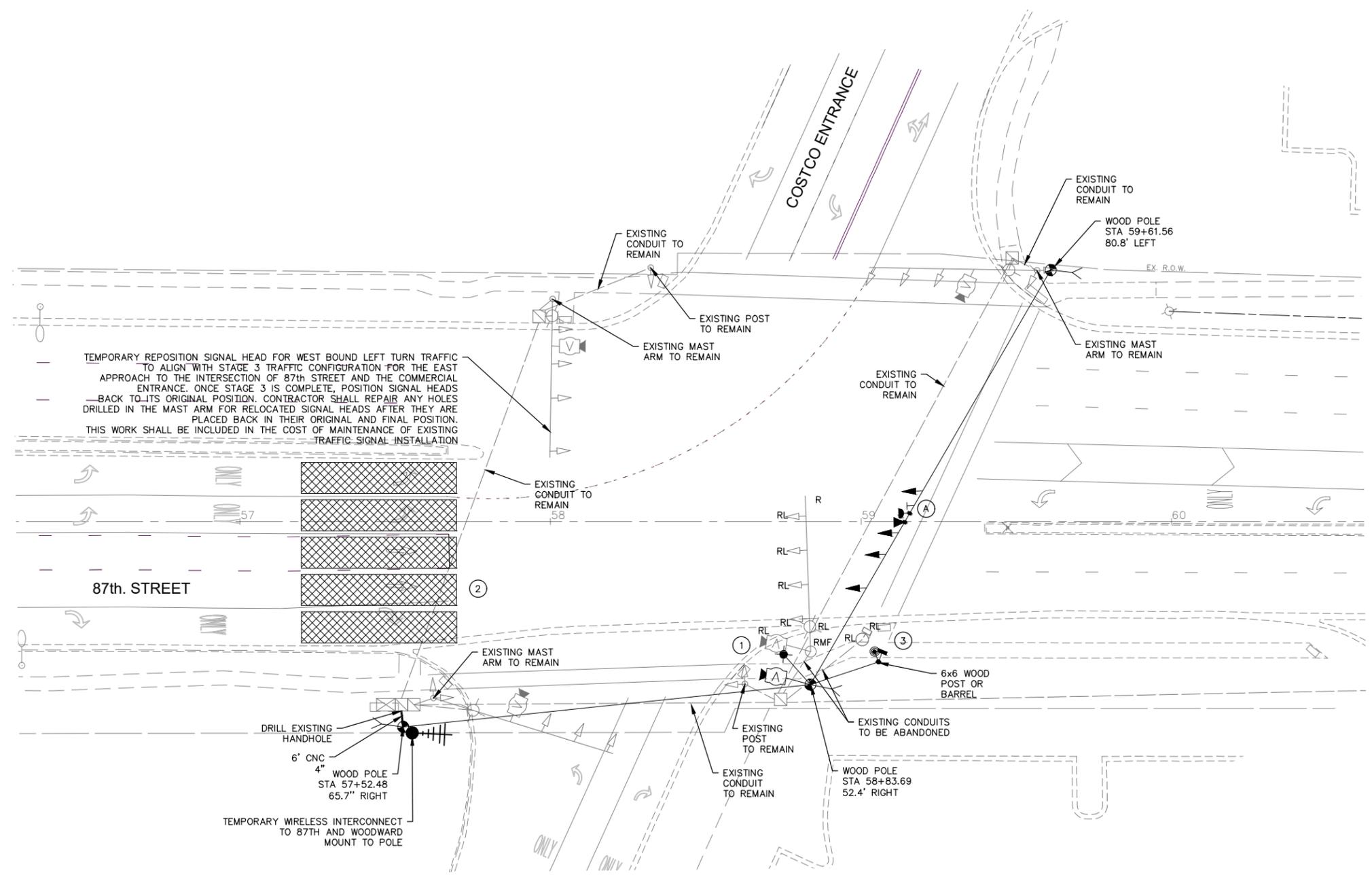
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3580	13-00253-01-CH		177	112
			CONTRACT NO. 61E87	

ILLINOIS FED. AID PROJECT #SIP-0043 10321



PLAN	DATE	BY
NO.		
NO.		
NO.		

PROFILE	DATE	BY
NO.		
NO.		
NO.		



THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 1 EACH COMBINATION STEEL MAST ARM ASSEMBLY AND POLE

THE FOLLOWING ITEMS SHALL BE REMOVED AND RELOCATED BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR STORING THESE ITEMS BETWEEN REMOVAL AND FINAL INSTALLATION.

- 3 EACH SIGNAL HEADS, 1-FACE, 3 SECTION
- 1 EACH SIGNAL HEADS, 1-FACE, 5 SECTION
- 1 EACH LUMINAIRE
- 1 EACH VIDEO DETECTION CAMERA
- 1 EACH PEDESTRIAN PUSH BUTTON
- 1 EACH PEDESTRIAN SIGNAL HEAD

SIGN (A)



R10-5  
30"x36"  
2-REQUIRED  
PAID AS SIGN PANEL, TYPE 1

**CONSTRUCTION NOTES**

1. THE TEMPORARY SIGNAL SHALL INCLUDE TEMPORARY LUMINAIRES, PHOTO CELL CONTROL, 400 WATT SODIUM VAPOR OR LED AND 15-FOOT TEMPORARY LUMINAIRE ARMS. THIS WORK SHALL BE INCLUDED IN THE COST OF "TEMPORARY TRAFFIC SIGNAL INSTALLATION, SPECIAL".
2. DETECTION ZONES SHOWN ARE APPROXIMATE. THE EXACT LOCATIONS SHALL BE DETERMINED AND LAID OUT BY THE CONTRACTOR WITH THE ASSISTANCE OF THE EQUIPMENT SUPPLIER.
3. PEDESTRIAN PUSH BUTTONS AND SIGNAL FACES SHALL BE LOCATED TO ACCOMMODATE THE POSITION OF THE CROSSWALKS FOR EACH STAGE, OR IF THE CONTRACTOR ADJUSTS THE ALIGNMENT OF PEDESTRIAN TRAFFIC WITHIN A STAGE, IF THE PUSH BUTTONS CANNOT BE INSTALLED ON THE TEMPORARY SIGNAL POSTS TO MEET IDOT AND ADA REQUIREMENTS (WITHIN 5 FEET OF THE CROSSWALK), THE CONTRACTOR SHALL INSTALL THEM ON 6"x6" WOOD POSTS OR BARRELS.

**TRAFFIC SIGNAL NOTES**

RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED.

THE TRAFFIC CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

FILE NAME: \\S:\UR\BAGECO\140901\_00\_87th St. & Woodward  
 Ave. Design\CADD\A-FINAL July 2021\140901\_87th  
 TempTrafficSignalA.dwg



USER NAME = cseadocko	DESIGNED — CS	REVISED — 04/25/2019
	DRAWN — CS	REVISED — 08/13/2021
PLOT SCALE = \$SCALE\$	CHECKED — JM	REVISED — 11/03/2021
PLOT DATE = 12/1/2021	DATE — 04/25/2019	REVISED — 12/02/2021

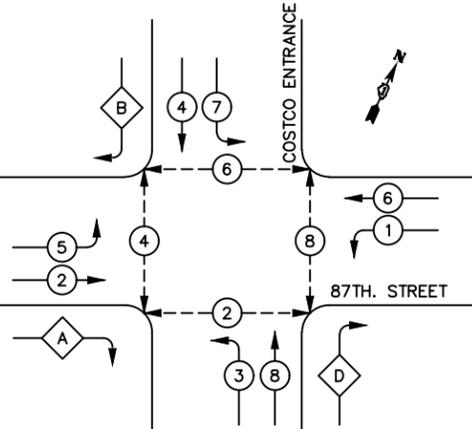
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

87th. STREET AND COSTCO ENTRANCE  
TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVAL PLAN

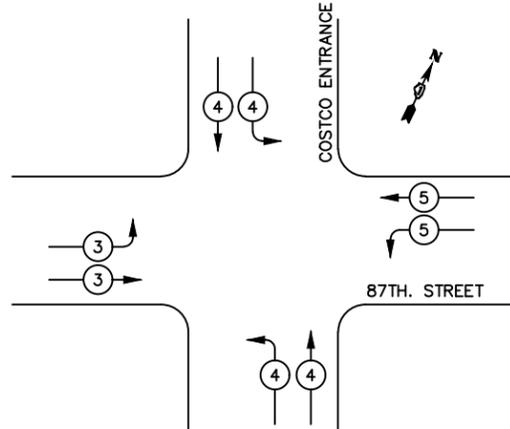
SCALE: 1"=20' SHEET NO. 1 OF 1 SHEETS STA. 56+25 TO STA. 61+60

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3580	13-00253-01-CH	DuPage	177	113
FED. ROAD DIST. NO. — ILLINOIS FED. AID PROJECT			CONTRACT NO. 61E87	

TEMPORARY CONTROLLER SEQUENCE



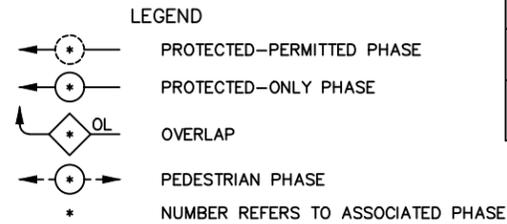
TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL NOTES

1. THE TEMPORARY SIGNALS SHALL BE SET UP TO OPERATE THE CURRENT SIGNAL PHASING AND EMERGENCY VEHICLE PRE-EMPTION.

THE TRAFFIC CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.



PROPOSED EMERGENCY VEHICLE PREEMPTORS				
EMERGENCY VEHICLE PREEMPTOR	3	4	5	6
MOVEMENT				

TEMPORARY PHASE DESIGNATION DIAGRAM

PHASE DESIGNATION DIAGRAM

RIGHT TURN OVERLAP PHASE DESIGNATION

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	= 2	+ 3
B	= 4	+ 5
C	= 6	+ 7
D	= 8	+ 1

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS						TOTAL WATTAGE
TYPE	NO. OF LAMPS	XINCAND.	LED	%OPERATION		
SIGNAL (RED)	22		17	0.5	187.00	
(YELLOW)	22		25	0.25	137.50	
(GREEN)	22		15	0.25	82.50	
ARROW	20		12	0.1	24.00	
PED. SIGNAL	8		25	1	200.00	
CONTROLLER	1	100	1	100.00		
ILLUM. SIGN	2		25	0.05	2.50	
VIDEO SYSTEM	1		150	1	150.00	
LUMINAIRE	4		125	0.5	250.00	
FLASHER				0.5		
ENERGY COST TO:	TOTAL =				1133.50	

VILLAGE OF BOLINGBROOK

PUBLIC WORKS DEPARTMENT  
375 W. BRIARCLIFF ROAD, BOLINGBROOK, IL 60440

ENERGY SUPPLY: CONTACT: DEAN MARTINEZ  
PHONE: (630) 691-4869  
COMPANY: COMED



USER NAME = cseadocko	DESIGNED - CS	REVISED - 04/25/2019
	DRAWN - CS	REVISED - 08/13/2021
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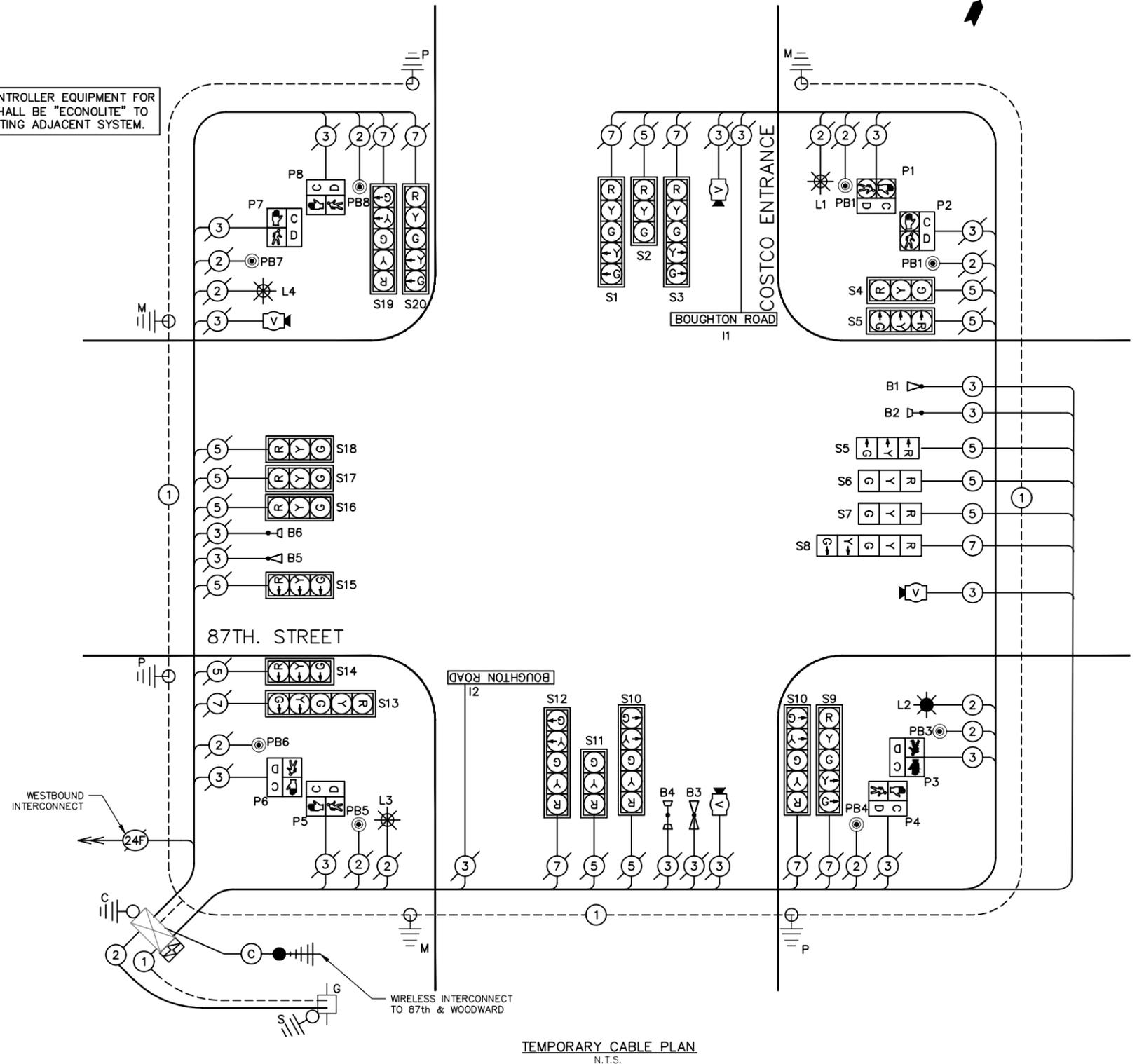
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

87th. STREET AND COSTCO ENTRANCE  
TEMPORARY CABLE PLAN

NOT TO SCALE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

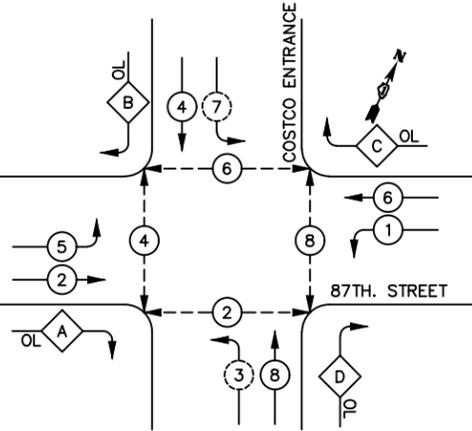
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3580	13-00253-01-CH	DuPage	177	114
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT			CONTRACT NO. 61E87	

FILE NAME: \\V:\P\B\EGC\140901\_00\_87th St & Woodward Ave Design\CADD\A-FINAL July 2021\140901\_87th TempTrafficSignal.dwg

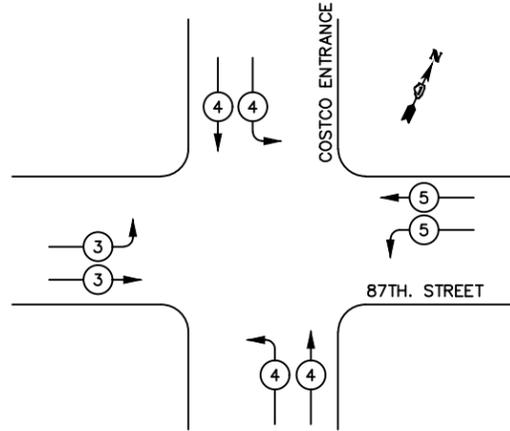




**EXISTING CONTROLLER SEQUENCE**



**EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE**

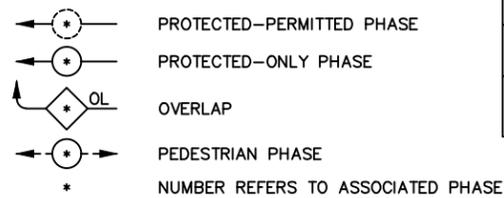


**TRAFFIC SIGNAL NOTES**

1. THE TEMPORARY SIGNALS SHALL BE SET UP TO OPERATE THE CURRENT SIGNAL PHASING AND EMERGENCY VEHICLE PRE-EMPTION.

THE TRAFFIC CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

**LEGEND**

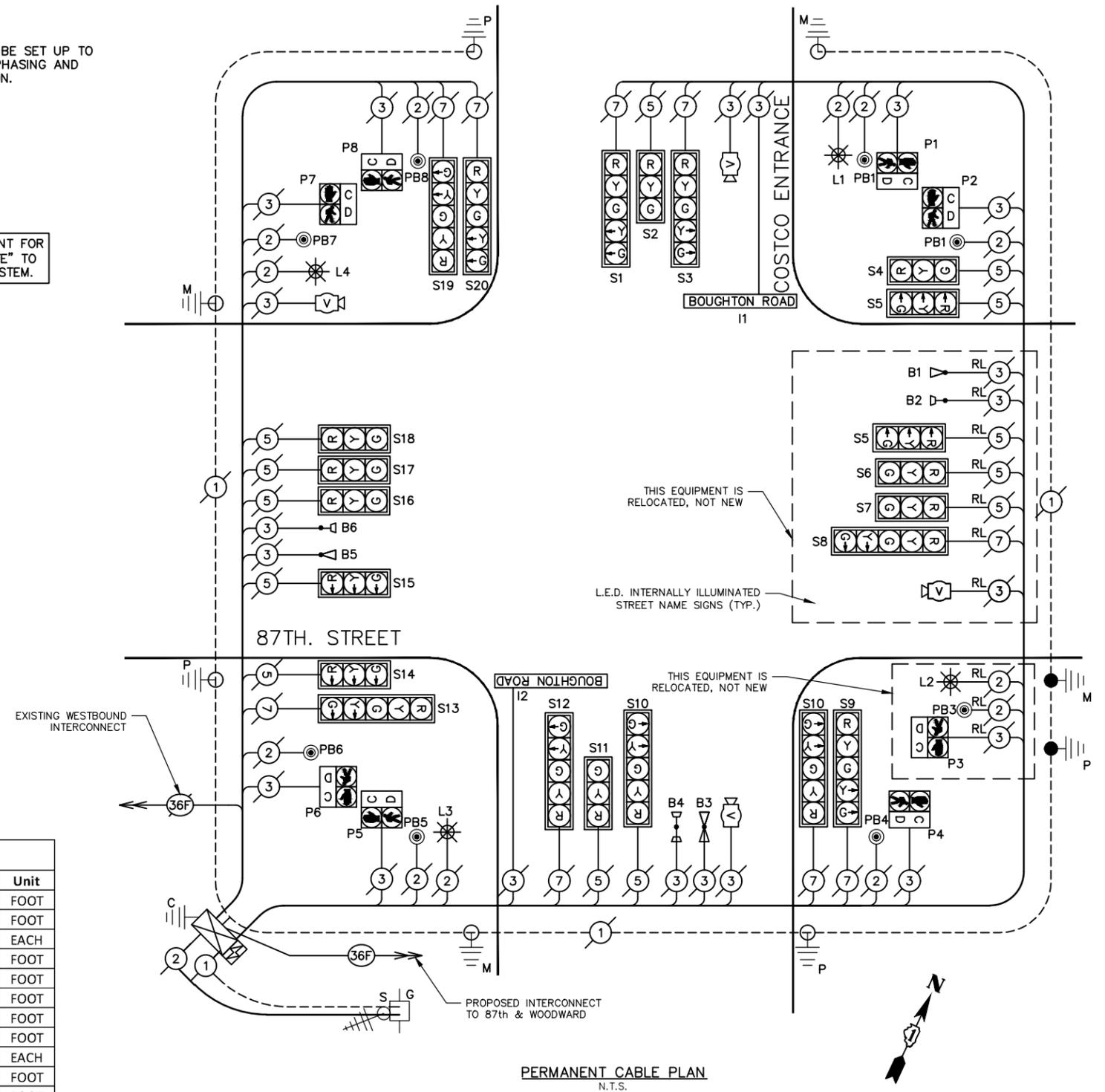


PROPOSED EMERGENCY VEHICLE PREEMPTORS				
EMERGENCY VEHICLE PREEMPTOR	3	4	5	6
MOVEMENT				

**PHASE DESIGNATION DIAGRAM**

**RIGHT TURN OVERLAP PHASE DESIGNATION**

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	= 2	+ 3
B	= 4	+ 5
C	= 6	+ 7
D	= 8	+ 1



**PERMANENT CABLE PLAN**  
N.T.S.

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. OF LAMPS	XINCAND.	LED	%OPERATION	
SIGNAL (RED)	22		17	0.5	187.00
(YELLOW)	22		25	0.25	137.50
(GREEN)	22		15	0.25	82.50
ARROW	20		12	0.1	24.00
PED. SIGNAL	8		25	1	200.00
CONTROLLER	1		100	1	100.00
ILLUM. SIGN	2		25	0.05	2.50
VIDEO SYSTEM	1		150	1	150.00
LUMINAIRE	4		125	0.5	250.00
FLASHER				0.5	
ENERGY COST TO:				TOTAL =	1133.50

Schedule of Quantities - 87th and Costco		
Pay Item	Quantity	Unit
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	32	FOOT
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3 1/2" DIA.	10	FOOT
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	1	EACH
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	186	FOOT
ELECTRIC CABLE IN CONDUIT, NO. 14 2C	371	FOOT
ELECTRIC CABLE IN CONDUIT, NO. 14 3C	367	FOOT
ELECTRIC CABLE IN CONDUIT, NO. 14 5C	671	FOOT
ELECTRIC CABLE IN CONDUIT, NO. 14 7C	204	FOOT
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 60 FT.	1	EACH
CONCRETE FOUNDATION TYPE A	4	FOOT
CONCRETE FOUNDATION TYPE E, 42" DIA.	21	FOOT
DRILL EXISTING HANDHOLE	2	EACH
RELOCATE EXISTING SIGNAL HEAD	4	EACH
RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	1	EACH
RELOCATE EXISTING PEDESTRIAN PUSH BUTTON	1	EACH
RELOCATE EXISTING TRAFFIC SIGNAL POST	1	EACH
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	1	EACH
REMOVE EXISTING CABLE FROM CONDUIT	2300	FOOT
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	1	EACH
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	457	FOOT
RELOCATE EXISTING VIDEO DETECTION CAMERA	1	EACH
RELOCATE EXISTING LUMINAIRE	1	EACH
TEMPORARY TRAFFIC SIGNAL INSTALLATION, SPECIAL	1	EACH
TEMPORARY TRAFFIC SIGNAL TIMING	1	EACH

**VILLAGE OF BOLINGBROOK**  
PUBLIC WORKS DEPARTMENT  
375 W. BRIARCLIFF ROAD, BOLINGBROOK, IL 60440  
ENERGY SUPPLY: CONTACT: DEAN MARTINEZ  
PHONE: (630) 691-4869  
COMPANY: COMED

USER NAME = cseadocko	DESIGNED - CS	REVISED - 04/25/19
	DRAWN - CS	REVISED - 08/13/2021
PLOT SCALE = \$SCALE\$	CHECKED - JM	REVISED - 11/03/2021
PLOT DATE = 12/1/2021	DATE - 04/25/19	REVISED - 12/02/2021

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

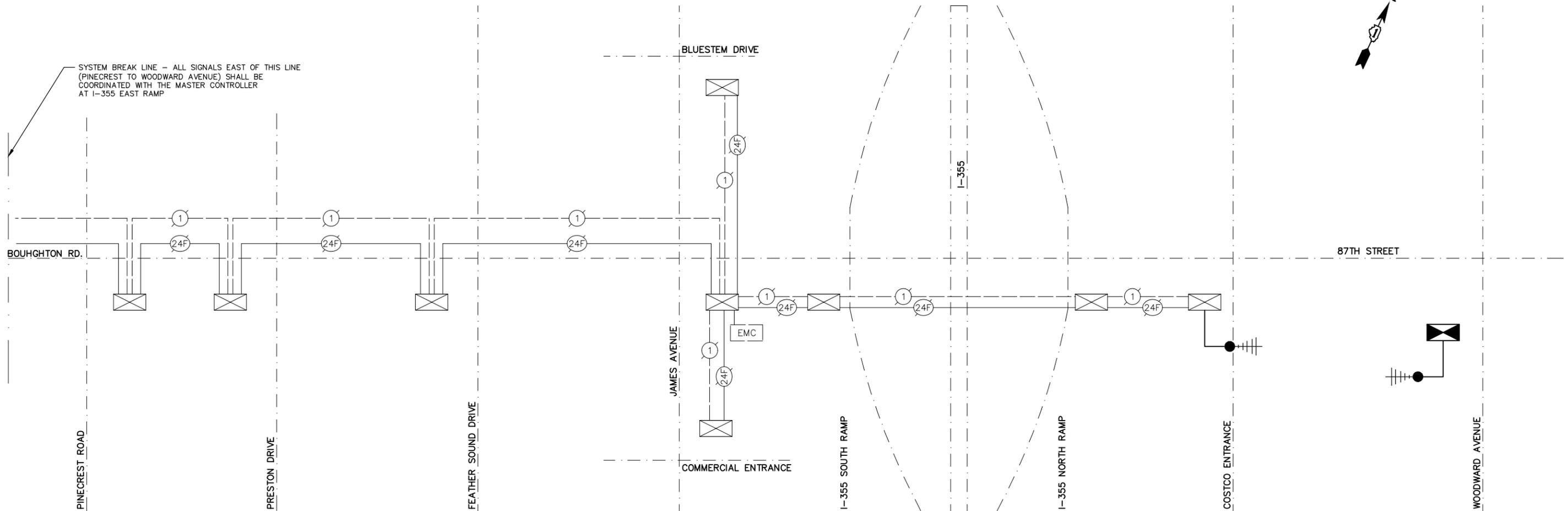
**87th STREET AND COSTCO ENTRANCE. CABLE PLAN AND SEQUENCE OF OPERATIONS**  
NOT TO SCALE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3580	13-00253-01-CH	DuPage	177	116
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT			CONTRACT NO. 61E87	

FILE NAME: \\V:\B\B\B\140901\_00\_87th St & Woodward Ave Design\CADD\A-FINAL July 2021\140901\_87th PropTrafficSignals.dwg



SYSTEM BREAK LINE - ALL SIGNALS EAST OF THIS LINE (PINECREST TO WOODWARD AVENUE) SHALL BE COORDINATED WITH THE MASTER CONTROLLER AT I-355 EAST RAMP



**TRAFFIC SIGNAL NOTES**

1. THE TRAFFIC CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM..

FILE NAME: \\D:\RACCO\140901\_00\_87th St & Woodward Ave Design\CADD\A-FINAL July 2021\140901\_87th PropInterconnect.dwg

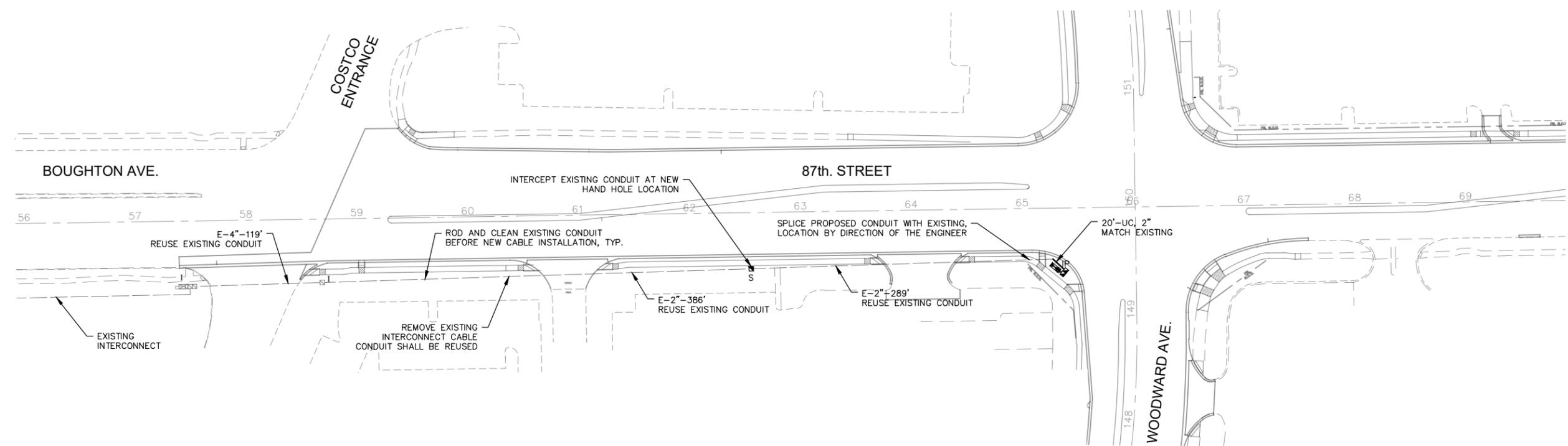
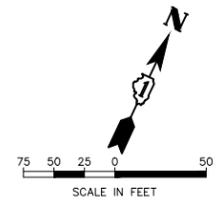


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	DRAWN - CS	REVISED - 08/13/2021
PLOT SCALE = \$SCALE\$	CHECKED - JM	REVISED - 11/03/2021
PLOT DATE = 12/1/2021	DATE - 04/25/19	REVISED - 12/02/2021

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

87th. STREET AND WOODWARD AVE. TEMPORARY INTERCONNECT SCHEMATIC		
NOT TO SCALE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3580	13-00253-01-CH	DuPage	177	118
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT			CONTRACT NO. 61E87	



**TRAFFIC SIGNAL NOTES**  
 RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED.

THE TRAFFIC CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

- CONSTRUCTION NOTES**
- ALL STATIONS AND OFFSETS ARE FROM THE CENTERLINE 87th STREET.
  - NEW CABLE SHALL BE INSTALLED IN EXISTING CONDUIT, EXCEPT NEAR PROPOSED INTERSECTION CONTROLLER (87TH AND WOODWARD). CONTRACTOR SHALL INTERCEPT EXISTING INTERCONNECT CONDUIT TO BE CONNECTED TO NEW CONDUIT. THIS INTERCEPT SHALL BE DONE AS CLOSE TO THE NEW CONTROLLER AS POSSIBLE, AS DETERMINED BY THE ENGINEER.

**INTERCONNECT LEGEND**

① SEE INTERCONNECT SCHEMATIC FOR CABLE SIZE AND TYPE.

Schedule of Quantities - Interconnect		
Pay Item	Quantity	Unit
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	20	FOOT
HANDHOLE	1	EACH
ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1C	827	FOOT
CONDUIT SPLICE	1	EACH
INTERCEPT EXISTING CONDUIT	1	EACH
REMOVE EXISTING ELECTRIC CABLE	1654	FOOT
ROD AND CLEAN EXISTING CONDUIT	827	FOOT
FIBER OPTIC CABLE IN CONDUIT, NO.62.5/125, MM12F, SM24F	827	FOOT
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	1	EACH

PLAN	DATE	BY
REVISION		
ALIGNMENT CHECKED		
RT OF WAY CHECKED		
PROJ FILE NAME		
NOTE BOOK NO.		

PROFILE	DATE	BY
REVISION		
GRADES CHECKED		
B.M. NOTED		
STRUCTURE NOTATIONS CHECKED		
NOTE BOOK NO.		

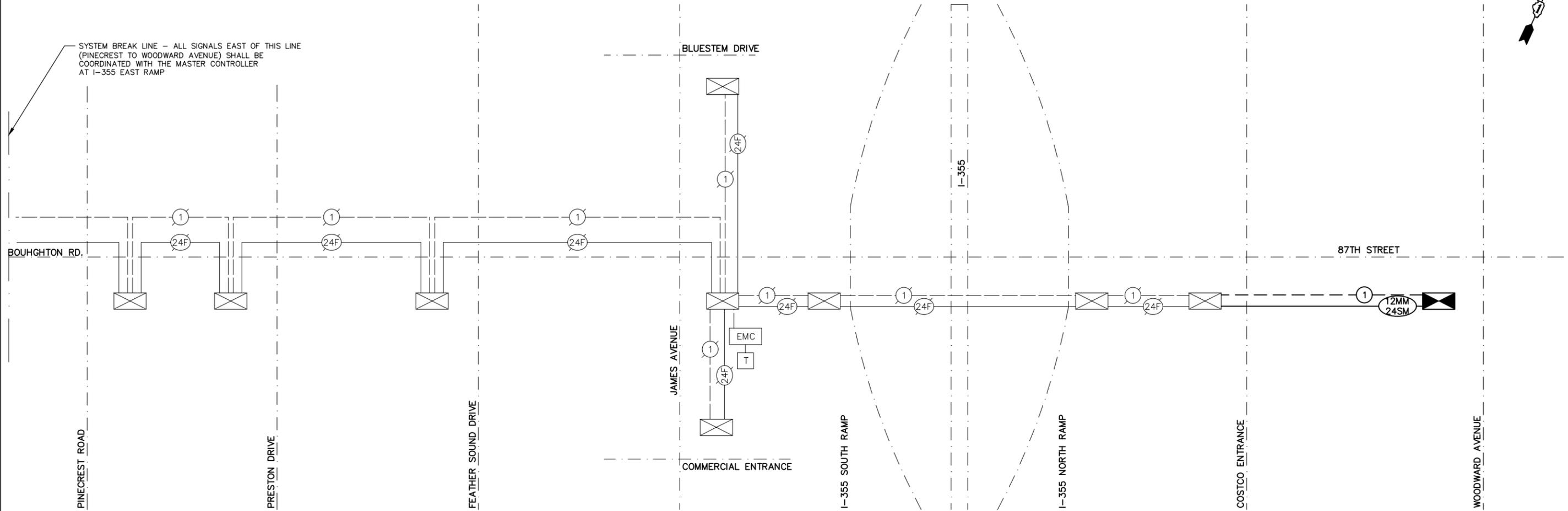
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USER NAME = cseadacko	DESIGNED — CS	REVISED — 04/25/19
	DRAWN — CS	REVISED — 08/13/2021
PLOT SCALE = \$SCALE\$	CHECKED — JM	REVISED — 11/03/2021
PLOT DATE = 12/1/2021	DATE — 04/25/19	REVISED — 12/02/2021

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

87th. STREET AND WOODWARD AVE. PROPOSED INTERCONNECT PLAN		
SCALE: 1"=20'	SHEET NO. 1 OF 1 SHEETS	STA. 56+00 TO STA. 70+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3580	13-00253-01-CH	DuPage	177	119
FED. ROAD DIST. NO. — ILLINOIS FED. AID PROJECT			CONTRACT NO. 61E87	



SYSTEM BREAK LINE — ALL SIGNALS EAST OF THIS LINE (PINECREST TO WOODWARD AVENUE) SHALL BE COORDINATED WITH THE MASTER CONTROLLER AT I-355 EAST RAMP

**TEMPORARY INTERCONNECT NOTES**

1. THE TRAFFIC CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

FILE NAME: \\V:\P\B\EGCO\140901\_00\_87th St. & Woodward Ave. Design\CADD\A-FINAL July 2021\140901\_87th PropInterconnect.dwg



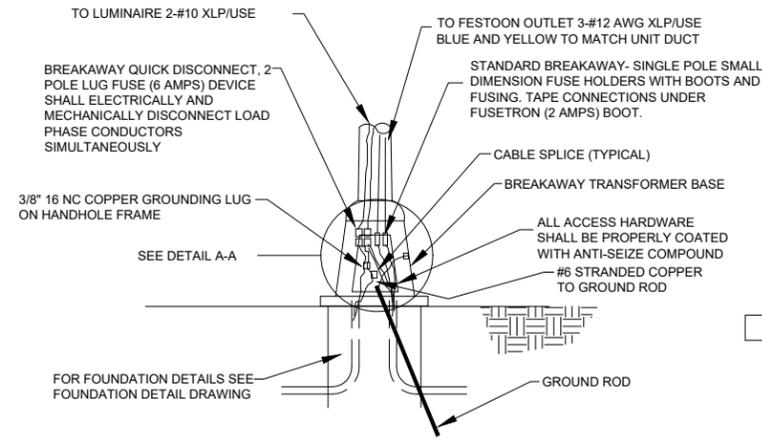
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PLOT DATE = 12/1/2021	DATE — 04/25/19	REVISED — 12/02/2021

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

87th. STREET AND WOODWARD AVE. PROPOSED INTERCONNECT SCHEMATIC		
NOT TO SCALE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.

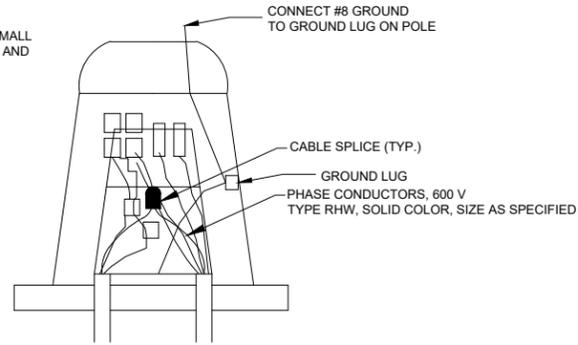
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3580	13-00253-01-CH	DuPage	177	120
FED. ROAD DIST. NO. — ILLINOIS FED. AID PROJECT			CONTRACT NO. 61E87	



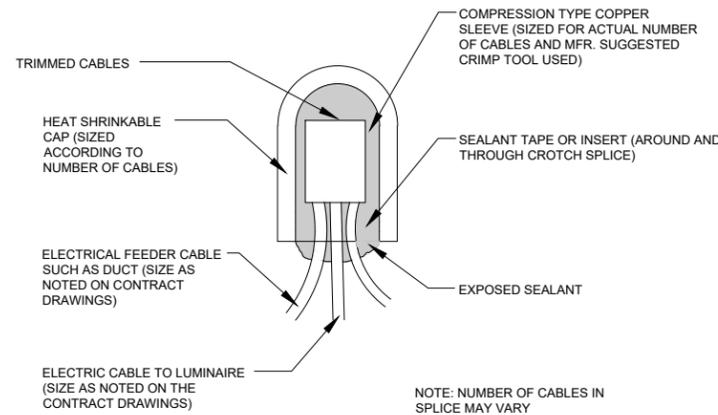


**POLE BASE DETAIL**  
NOT TO SCALE

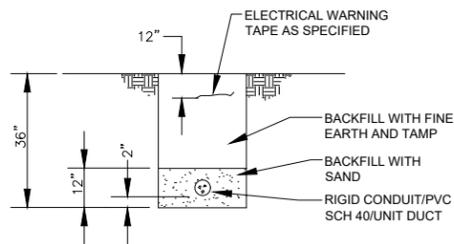
THE CONTRACTOR SHALL SUBMIT DETAILED SHOP DRAWINGS OR CATALOG CUTS FOR ALL EQUIPMENT



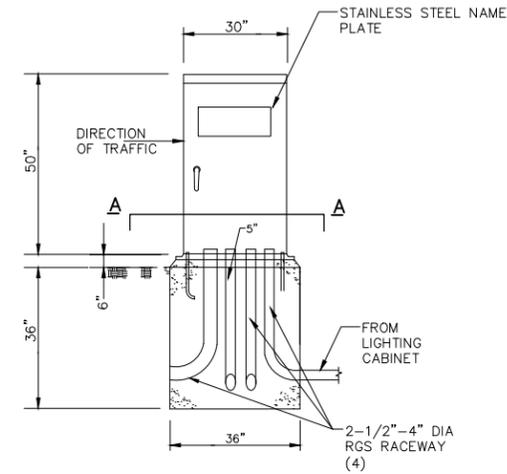
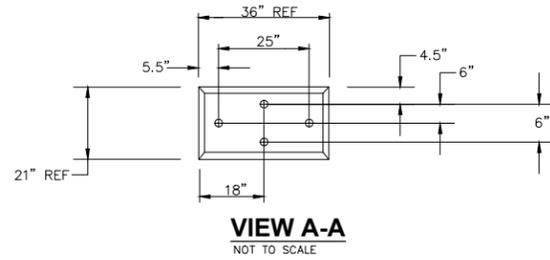
**DETAIL A-A**  
NOT TO SCALE



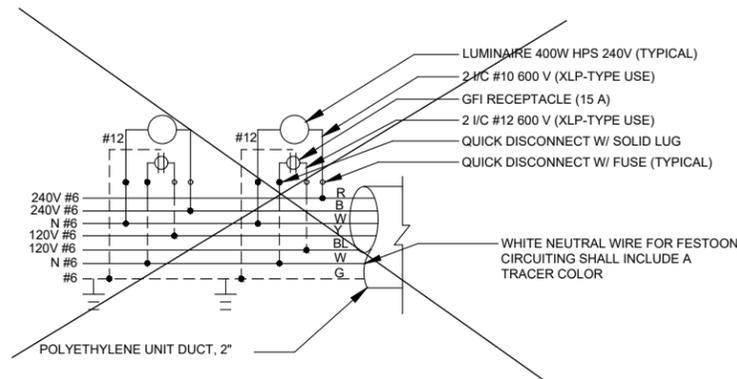
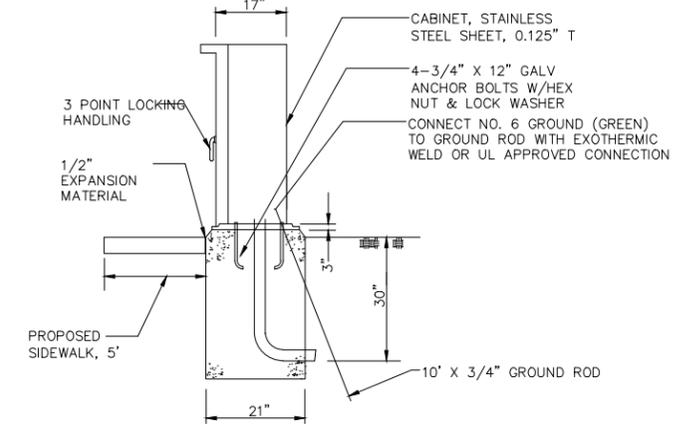
**ABOVE GROUND SPlicing ELECTRIC CABLE**  
NOT TO SCALE



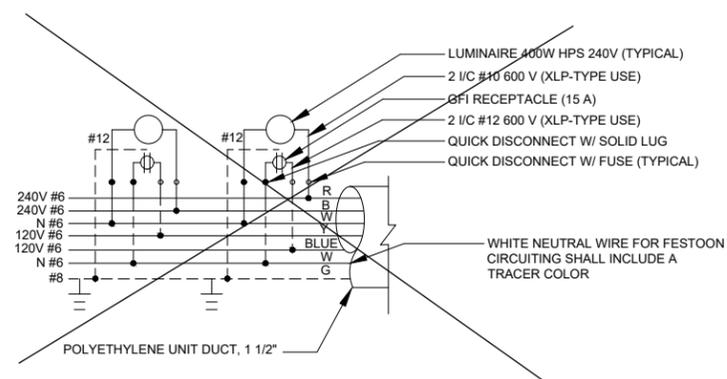
**TRENCH BACKFILL FOR STREET LIGHTING DETAIL**  
NOT TO SCALE



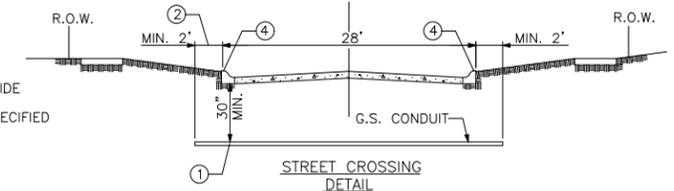
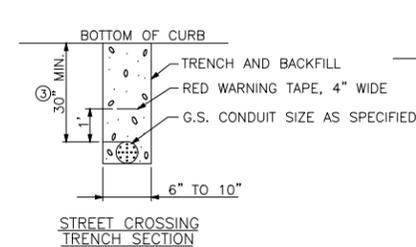
**LIGHTING CONTROLLER DETAIL**  
NOT TO SCALE



**UNIT DUCT 1 LIGHT POLE WIRING W/ FESTOON**



**UNIT DUCT 2 LIGHT POLE WIRING W/ FESTOON**



- ① CONDUIT SHALL BE HEAVY WALL RIGID G.S. CONDUIT.
- ② CONDUIT SHALL EXTEND A MINIMUM OF 2 FT. BEYOND BACK OF CURB.
- ③ CONDUIT SHALL BE A MINIMUM OF 30" BELOW BOTTOM OF CURB.

**ELECTRICAL CONDUIT UNDER PAVEMENT**

FILE NAME: V:\DUPAGECO\40901.00 87th St. & Woodward Ave  
Design\CADD\A--FINAL July 2021\40901\_87th&Woodward  
Lighting Plan.dwg



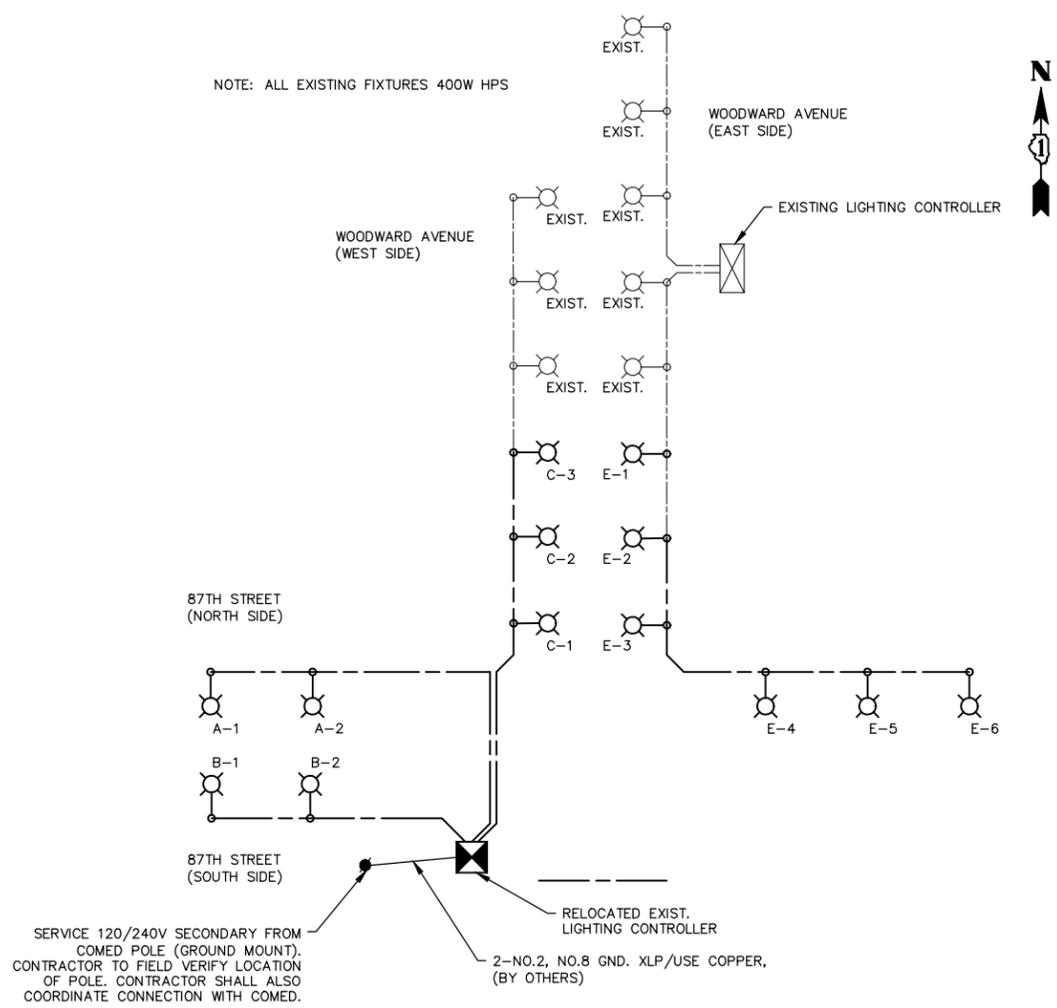
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PLOT DATE = 12/1/2021	CHECKED — JM	REVISED — 10/08/2021
	DATE — 04/25/19	REVISED — 12/02/2021

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

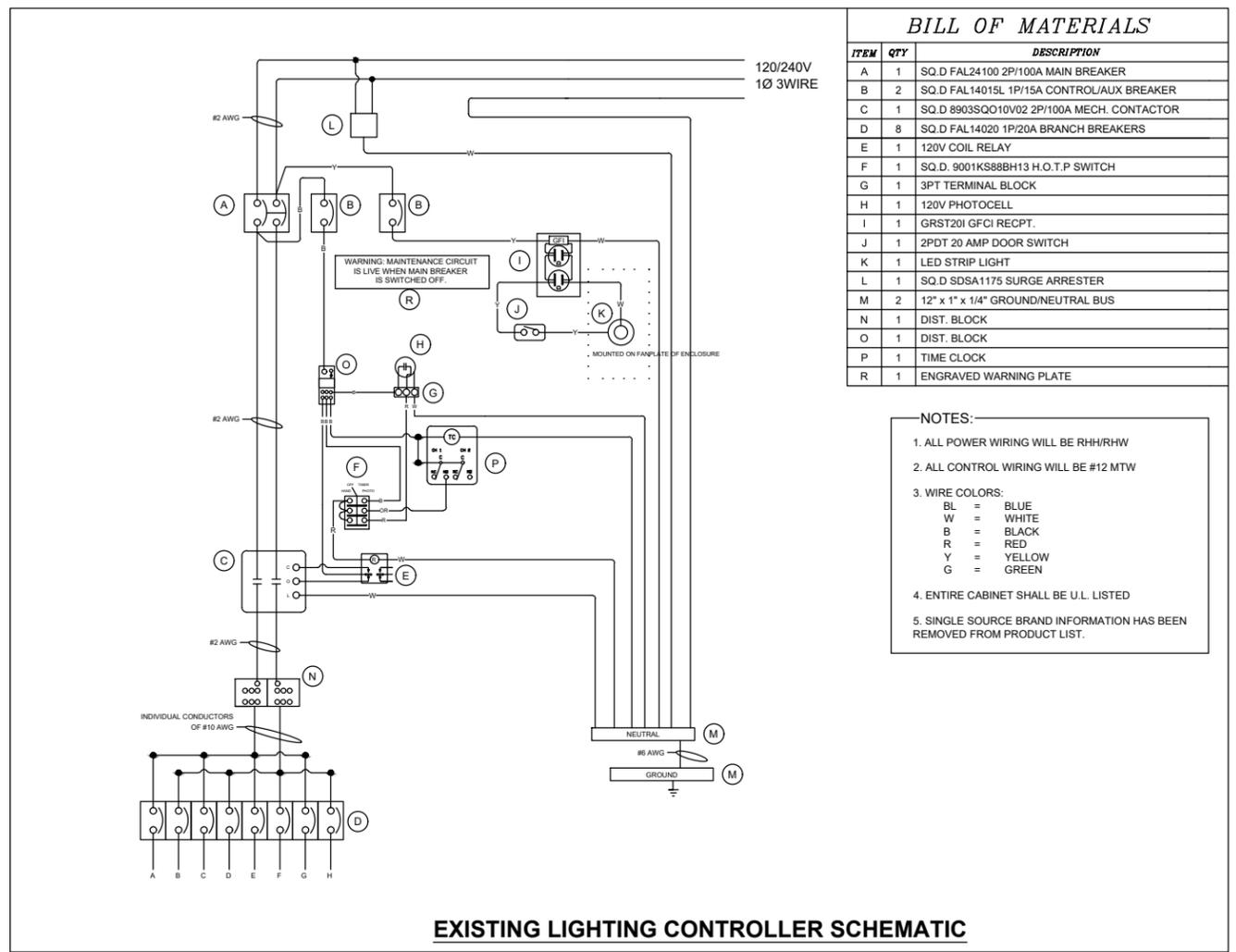
87th. STREET AND WOODWARD AVENUE  
LIGHTING DETAILS

SCALE: NTS SHEET NO. 1 OF 4 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3580	13-00253-01-CH	DuPage	177	122
CONTRACT NO. 61EB7				
FED. ROAD DIST. NO. — ILLINOIS FED. AID PROJECT				



**ONE LINE DIAGRAM  
DUPAGE COUNTY LIGHTING CONTROLLER**



**EXISTING LIGHTING CONTROLLER SCHEMATIC**

BILL OF MATERIALS		
ITEM	QTY	DESCRIPTION
A	1	SQ.D FAL24100 2P/100A MAIN BREAKER
B	2	SQ.D FAL14015L 1P/15A CONTROL/AUX BREAKER
C	1	SQ.D 8903SQ010V02 2P/100A MECH. CONTACTOR
D	8	SQ.D FAL14020 1P/20A BRANCH BREAKERS
E	1	120V COIL RELAY
F	1	SQ.D. 9001KS88BH13 H.O.T.P SWITCH
G	1	3PT TERMINAL BLOCK
H	1	120V PHOTOCELL
I	1	GRST20I GFCI RECPT.
J	1	2PDT 20 AMP DOOR SWITCH
K	1	LED STRIP LIGHT
L	1	SQ.D SDSA1175 SURGE ARRESTER
M	2	12" x 1" x 1/4" GROUND/NEUTRAL BUS
N	1	DIST. BLOCK
O	1	DIST. BLOCK
P	1	TIME CLOCK
R	1	ENGRAVED WARNING PLATE

- NOTES:**
- ALL POWER WIRING WILL BE RH/RHW
  - ALL CONTROL WIRING WILL BE #12 MTW
  - WIRE COLORS:  
BL = BLUE  
W = WHITE  
B = BLACK  
R = RED  
Y = YELLOW  
G = GREEN
  - ENTIRE CABINET SHALL BE U.L. LISTED
  - SINGLE SOURCE BRAND INFORMATION HAS BEEN REMOVED FROM PRODUCT LIST.

FILE NAME: V:\DUPAGECO\40901.00 87th St. & Woodward Ave  
Design\CADD\A--FINAL July 2021\40901 87th&Woodward  
Lighting Plan.dwg



USER NAME = csladacko	DESIGNED -- PK	REVISED -- 04/25/19
	DRAWN -- RT	REVISED -- 08/13/2021
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PLOT DATE = 12/1/2021	DATE -- 04/25/19	REVISED -- 12/02/2021

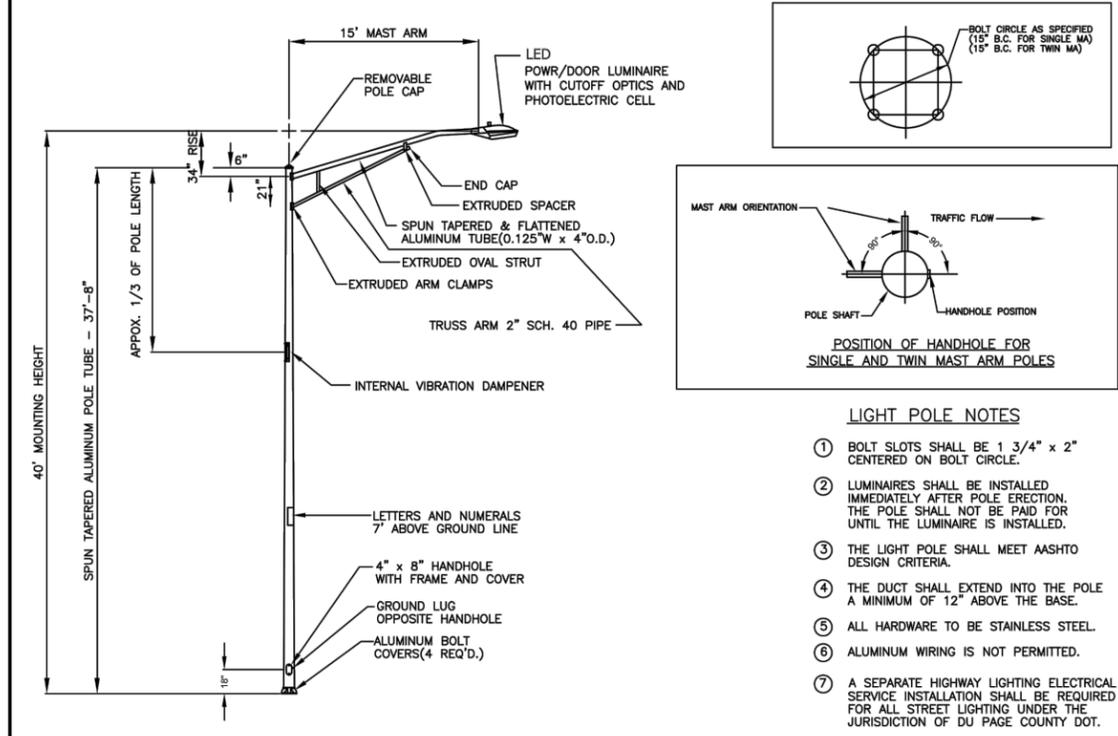
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**87th. STREET AND WOODWARD AVENUE  
LIGHTING DETAILS**

SCALE: NTS      SHEET NO. 2 OF 4 SHEETS      STA.      TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61E87				
FED. ROAD DIST. NO. -- ILLINOIS FED. AID PROJECT				

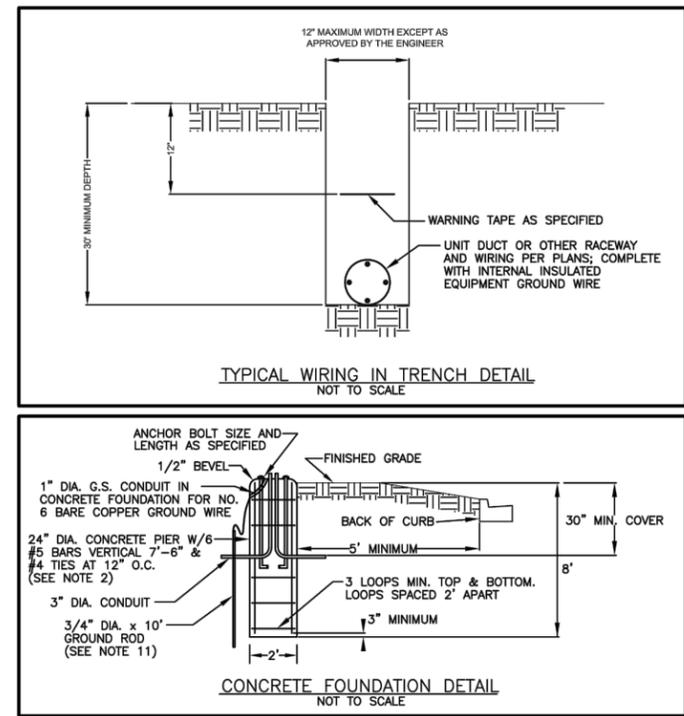
# RESIDENTIAL STREET LIGHT DETAIL



- LIGHT POLE NOTES**
- BOLT SLOTS SHALL BE 1 3/4" x 2" CENTERED ON BOLT CIRCLE.
  - LUMINAIRES SHALL BE INSTALLED IMMEDIATELY AFTER POLE ERECTION. THE POLE SHALL NOT BE PAID FOR UNTIL THE LUMINAIRE IS INSTALLED.
  - THE LIGHT POLE SHALL MEET AASHTO DESIGN CRITERIA.
  - THE DUCT SHALL EXTEND INTO THE POLE A MINIMUM OF 12" ABOVE THE BASE.
  - ALL HARDWARE TO BE STAINLESS STEEL.
  - ALUMINUM WIRING IS NOT PERMITTED.
  - A SEPARATE HIGHWAY LIGHTING ELECTRICAL SERVICE INSTALLATION SHALL BE REQUIRED FOR ALL STREET LIGHTING UNDER THE JURISDICTION OF DU PAGE COUNTY DOT.

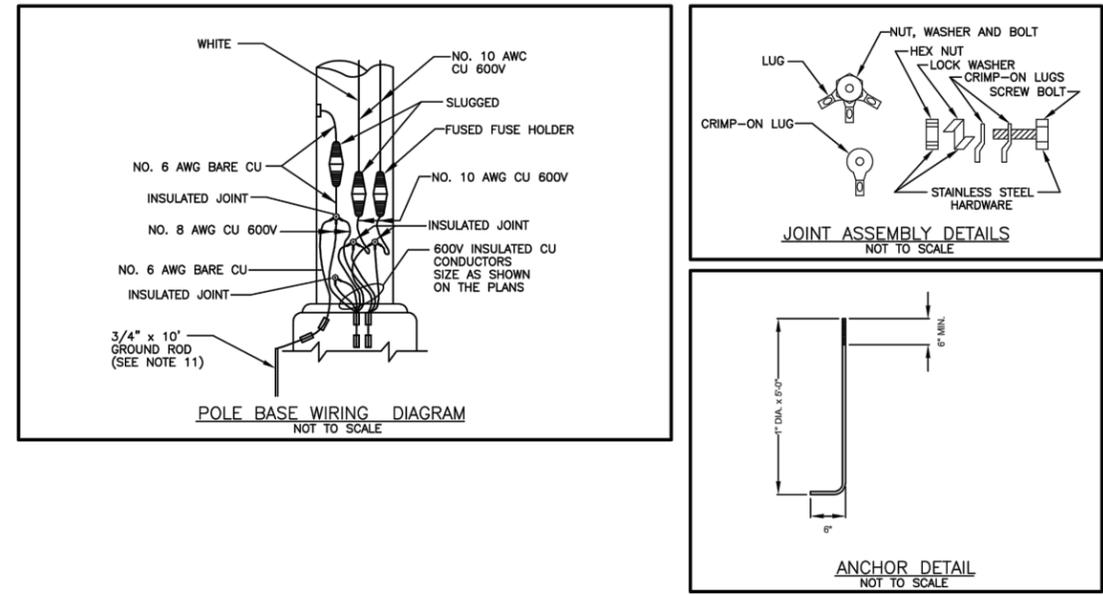
Light Pole.DWG  
09-22-08

# RESIDENTIAL STREET LIGHT DETAIL



- FOUNDATION NOTES**
- EXCAVATION OF THE POLE FOUNDATION SHALL BE MADE WITH AN AUGER, 24" IN DIAMETER.
  - THE CONTRACTOR SHALL USE #4 SPIRAL 6" PITCH OR AT HIS OPTION MAY SUBSTITUTE #4 TIES AT 12" O/C.
  - THE ANCHOR SHALL BE A HOOK TYPE BOLT. COLD BENDING OF THE HOOK WILL NOT BE ALLOWED.
  - THE ANCHOR BOLTS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE PRIOR TO PLACEMENT OF CONCRETE.
  - THE ENTIRE LENGTH OF THE ANCHOR BOLTS, AS WELL AS THE NUTS AND WASHERS, SHALL BE HOT DIP GALVANIZED IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM DESIGNATION A 153.
  - CONCRETE SHALL BE CLASS SI CONCRETE FOUNDATION SHALL BE CURED FOR TEN (10) DAYS BEFORE THE LIGHT IS ERECTED.
  - THE CABLE TRENCH SHALL BE BACKFILLED AND COMPACTED BEFORE THE LIGHT IS ERECTED.
  - ANCHOR BOLTS SHALL PROJECT 2 3/4" ABOVE THE TOP OF THE FOUNDATION. THE CONTRACTOR SHALL COORDINATE THE EXTENSION OF THE ANCHOR BOLTS ABOVE THE TOP OF FOUNDATION WITH THE MANUFACTURER'S REQUIREMENTS FOR THE BREAKAWAY DEVICE.
  - RACEWAYS SHALL PROJECT 1" ABOVE THE TOP OF THE FOUNDATION.
  - CADWELD NO. 6 BARE COPPER GROUND CABLE TO GROUND ROD.

# RESIDENTIAL STREET LIGHT DETAIL



FILE NAME: V:\DUPAGECO\40901.00 87th St. & Woodward Ave  
Design\CADD\4--FINAL July 2021\40901\_87th&Woodward  
Lighting Plans.dwg



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PLOT DATE = 12/1/2021	CHECKED — JM	REVISED — 10/08/2021
	DATE — 04/25/19	REVISED — 12/02/2021

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

87th. STREET AND WOODWARD AVENUE LIGHTING DETAILS	
SCALE: NTS	SHEET NO. 3 OF 4 SHEETS
STA.	TO STA.

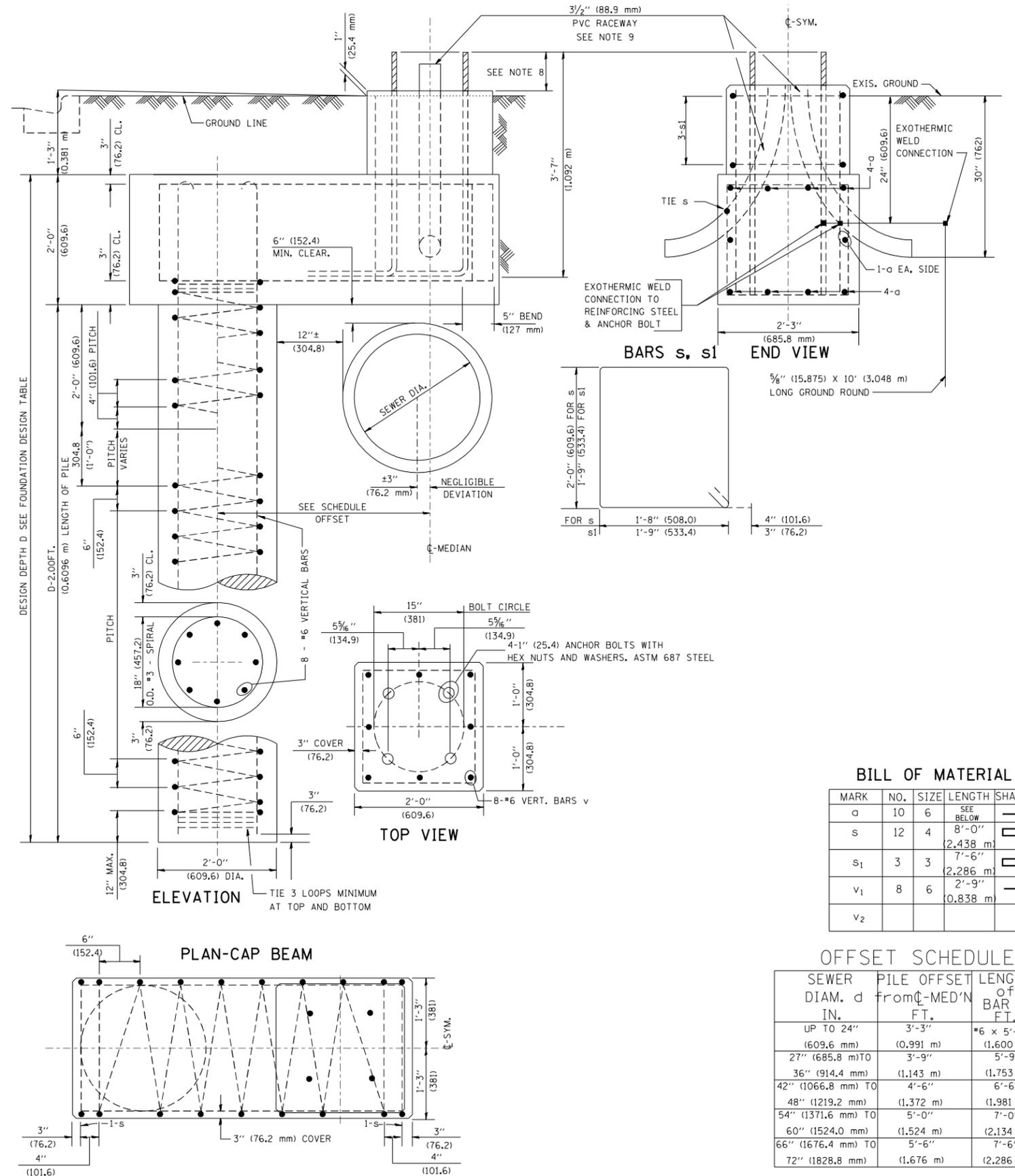
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3580	13-00253-01-CH	DuPage	177	124
CONTRACT NO. 61E87			ILLINOIS FED. AID PROJECT	

FOUNDATION DESIGN TABLE

TYPE OF SOIL	DESIGN DEPTH OF FOUNDATION		REINFORCEMENT IN FOUNDATION			
	SINGLE ARM D	TWIN ARM D	SINGLE ARM		TWIN ARM	
			VERT BARS	SPIRAL	VERT BARS	SPIRAL
SOFT CLAY	13'-0" (3.962 m)	15'-0" (4.572 m)	8-#6X12'-6" (3.810 m)	#3X122' (37.186 m)	8-#6X14'-3" (4.343 m)	#3X141' (42.977 m)
MEDIUM CLAY	9'-6" (2.896 m)	10'-9" (3.277 m)	8-#6X9'-0" (2.743 m)	#3X90' (27.432 m)	8-#6X10'-0" (3.048 m)	#3X100' (30.480 m)
STIFF CLAY	7'-0" (2.134 m)	8'-0" (2.438 m)	8-#6X6'-6" (1.981 m)	#3X66' (20.112 m)	8-#6X7'-6" (2.286 m)	#3X76' (23.165 m)
LOOSE SAND	9'-0" (2.743 m)	10'-0" (3.048 m)	8-#6X8'-6" (2.591 m)	#3X85' (25.908 m)	8-#6X9'-6" (2.896 m)	#3X94' (28.651 m)
MEDIUM SAND	8'-3" (2.515 m)	9'-0" (2.743 m)	8-#6X8'-0" (2.438 m)	#3X78' (23.774 m)	8-#6X8'-6" (2.591 m)	#3X85' (25.908 m)
DENSE SAND	7'-9" (2.362 m)	9'-0" (2.743 m)	8-#6X7'-6" (2.286 m)	#3X73' (22.250 m)	8-#6X8'-6" (2.591 m)	#3X85' (25.908 m)
ROCK OR SOLIDIFIED SLAG	5'-0" (1.524 m)	5'-0" (1.524 m)	NONE	NONE	NONE	NONE

NOTES

- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ENGINEER SHALL DETERMINE THE CLASS OF SOIL DURING EXCAVATION AND SELECT THE DESIGN DEPTH OF FOUNDATION FROM THE DESIGN TABLE.
- EXCAVATION OF THE POLE FOUNDATION SHALL BE MADE WITH AN AUGER, 24" (609.6 mm) OR 30" (762.0 mm) IN DIAMETER.
- THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
- THE ANCHOR BOLTS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED IN THE FORM.
- THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 105). NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
- THE CONTRACTOR SHALL COORDINATE EXTENSION OF ANCHOR BOLTS ABOVE TOP OF FOUNDATION WITH THE BREAKAWAY DEVICE MANUFACTURER'S REQUIREMENTS. IF LIGHT POLE IS MOUNTED WITHOUT BREAKAWAY DEVICE, ANCHOR BOLTS SHALL PROJECT 2 3/4" (69.9 mm) ABOVE TOP OF THE FOUNDATION. THE CONTRACTOR SHALL CONFIRM ANCHOR BOLT EXTENTION WITH ENGINEER.
- RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.
- THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE LIGHT IS ERRECTED.



BILL OF MATERIAL

MARK	NO.	SIZE	LENGTH	SHAPE
a	10	6	SEE BELOW	—
s	12	4	8'-0" (2.438 m)	□
s <sub>1</sub>	3	3	7'-6" (2.286 m)	□
v <sub>1</sub>	8	6	2'-9" (0.838 m)	—
v <sub>2</sub>				

OFFSET SCHEDULE

SEWER DIAM. d IN.	PILE OFFSET from C-MED'N FT.	LENGTH of BAR a FT.
UP TO 24" (609.6 mm)	3'-3" (0.991 m)	#6 x 5'-3" (1.600 m)
27" (685.8 mm) TO 36" (914.4 mm)	3'-9" (1.143 m)	5'-9" (1.753 m)
42" (1066.8 mm) TO 48" (1219.2 mm)	4'-6" (1.372 m)	6'-6" (1.981 m)
54" (1371.6 mm) TO 60" (1524.0 mm)	5'-0" (1.524 m)	7'-0" (2.134 m)
66" (1676.4 mm) TO 72" (1828.8 mm)	5'-6" (1.676 m)	7'-6" (2.286 m)

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		DRAWN -	REVISED -
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 6/16/2008	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

LIGHT POLE FOUNDATION OFFSET  
40" (12.192 m) TO 47 1/2" (14.478 m) M.H.  
15" (381 mm) BOLT CIRCLE

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	BE-310		177	125
		CONTRACT NO.		
ILLINOIS FED. AID PROJECT				

**INDEX OF SHEETS**

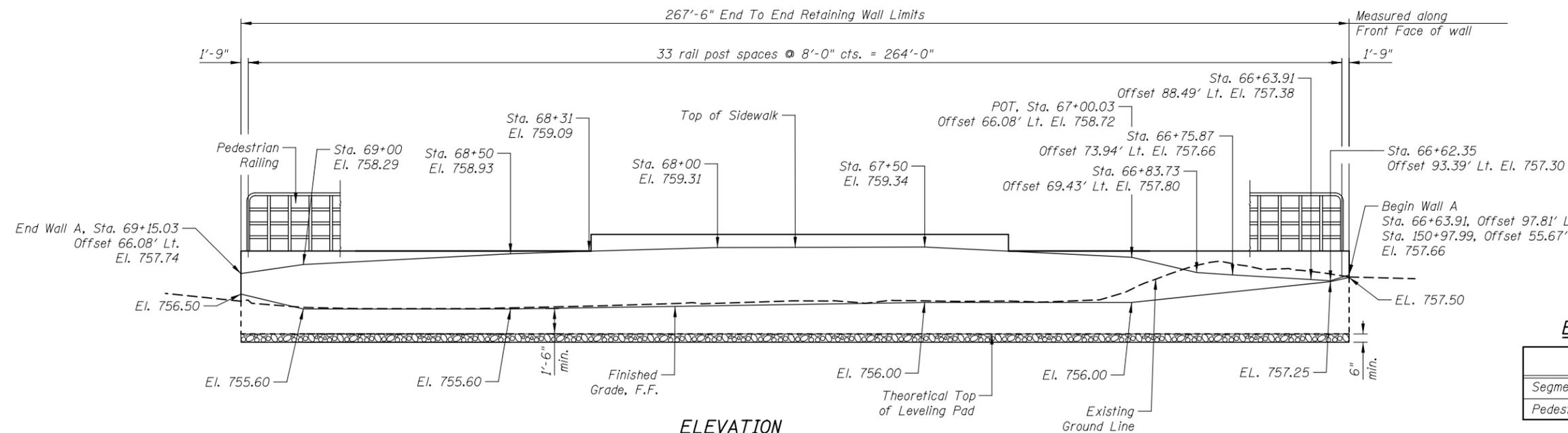
- S1 Wall A; General Plan & Elevation
- S2 Wall B; General Plan & Elevation
- S3 Wall Details
- S4 Railing Details
- S5 Soil Borings

**BILL OF MATERIAL - WALL A**

ITEM	UNIT	TOTAL
Segmental Concrete Block Wall	Sq. Ft.	1440
Pedestrian Railing	Foot	268

**ELEVATION**

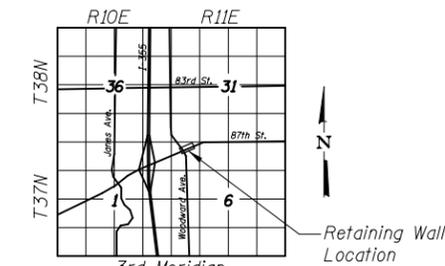
(Looking at Front Face of Wall - Opposite of Plan View)



**DESIGN SPECIFICATIONS**

2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

Pipe Underdrain for Structures Connection

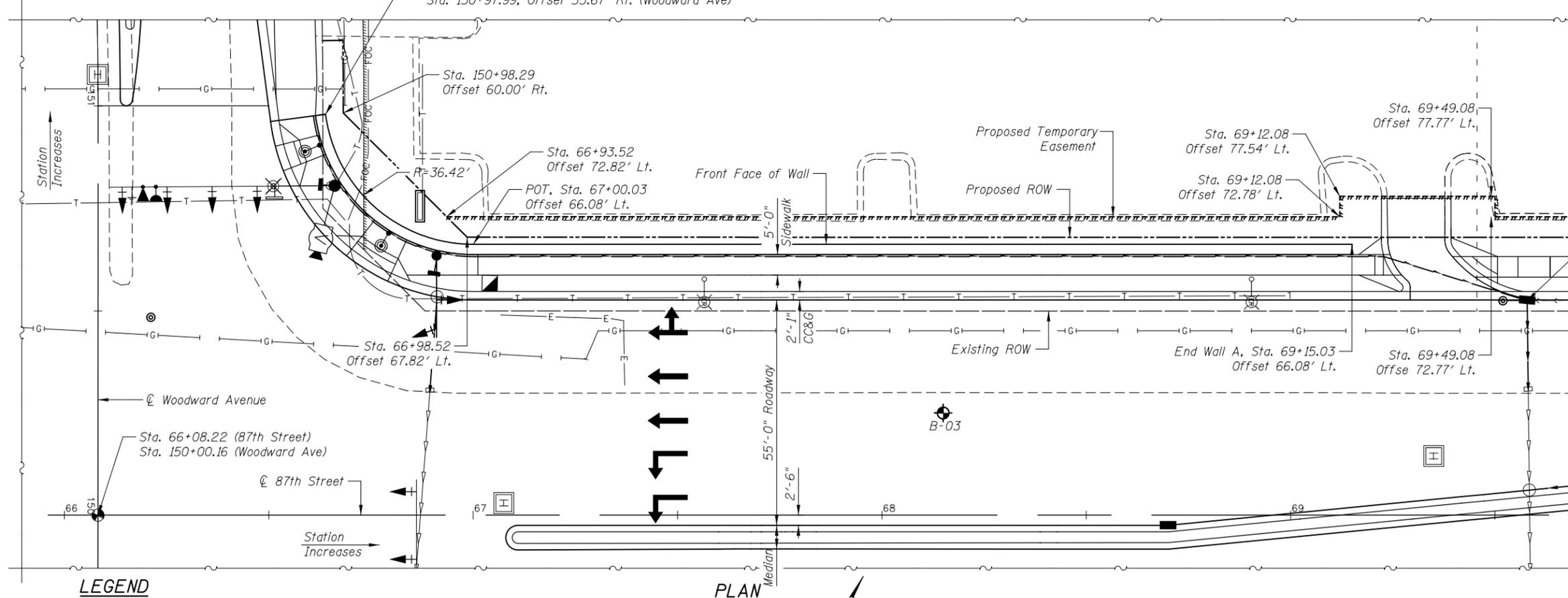


**LOCATION SKETCH**

**GENERAL PLAN & ELEVATION**

WALL A; STA. 66+63.91 TO STA. 69+15.03

DUPAGE COUNTY



**LEGEND**

- Existing Underground Gasline
- Existing Electric
- Existing Telephone
- Proposed Underdrain

**PLAN**

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

WALL A; GENERAL PLAN & ELEVATION  
87TH AND WOODWARD AVENUE

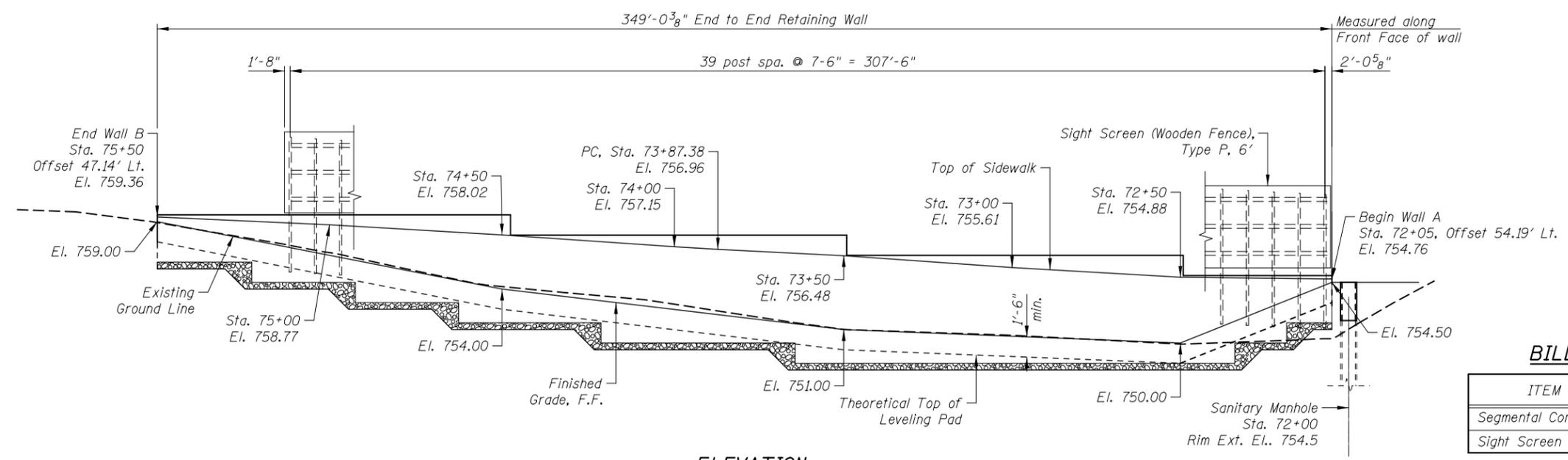
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3580	13-00253-01-CH	DUPAGE	177	126
				CONTRACT NO. 61E87

ILLINOIS FED. AID PROJECT



USER NAME =	DESIGNED - C. SEDLACKO	REVISED -
PLOT SCALE =	DRAWN - C. SEDLACKO	REVISED -
PLOT DATE = 8/13/2021	CHECKED - M. LANGE	REVISED -
	DATE - 12/2/2021	REVISED -

**DESIGN SPECIFICATIONS**  
2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

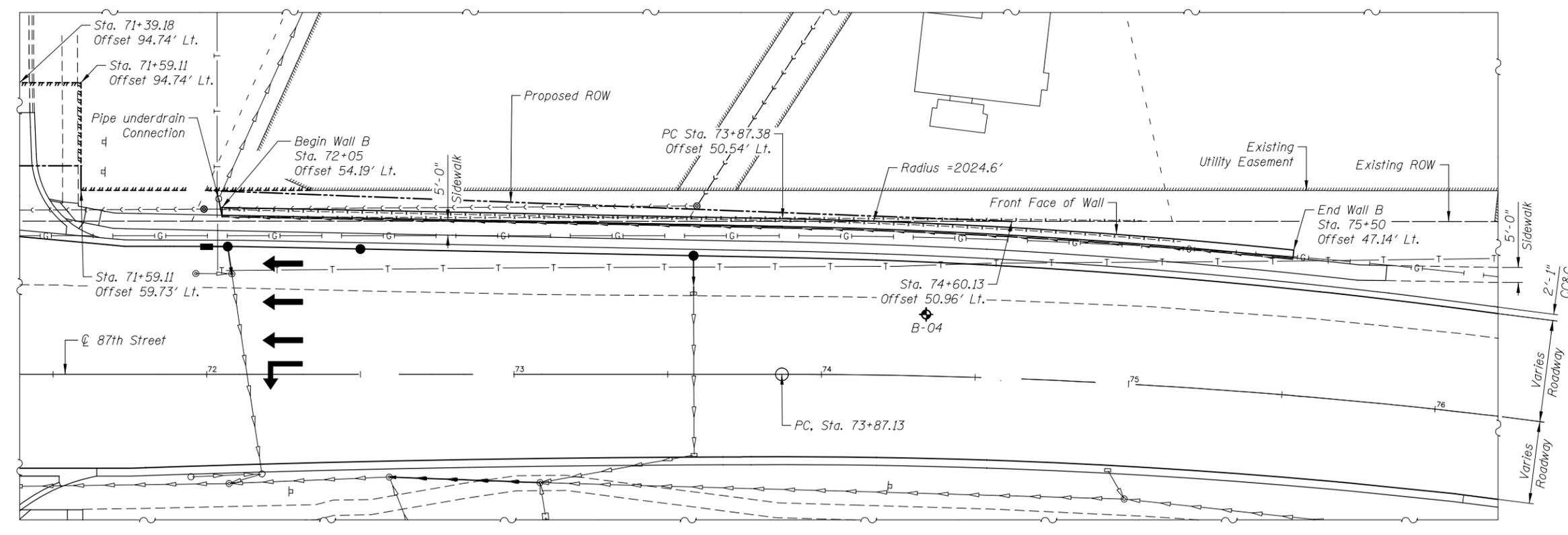


**ELEVATION**

(Looking at Front Face of Wall - Opposite of Plan View)

**BILL OF MATERIAL - WALL B**

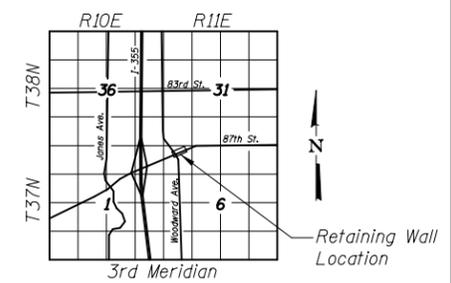
ITEM	UNIT	TOTAL
Segmental Concrete Block Wall	Sq. Ft.	2,380
Sight Screen (Wooden Fence), Type P, 6'	Foot	311



**PLAN**

**LEGEND**

- T — Existing Telephone
- G — Existing Underground Gasline
- E — Existing Electric
- - - - Existing Sanitary
- > — Existing Storm Sewer
- > — Proposed Storm Sewer
- - - - Proposed Fence
- > — Proposed Pipe Underdrain



**LOCATION SKETCH**

**GENERAL PLAN & ELEVATION  
WALL B; STA. 71+79.22 TO STA. 75+76.46  
DUPAGE COUNTY**



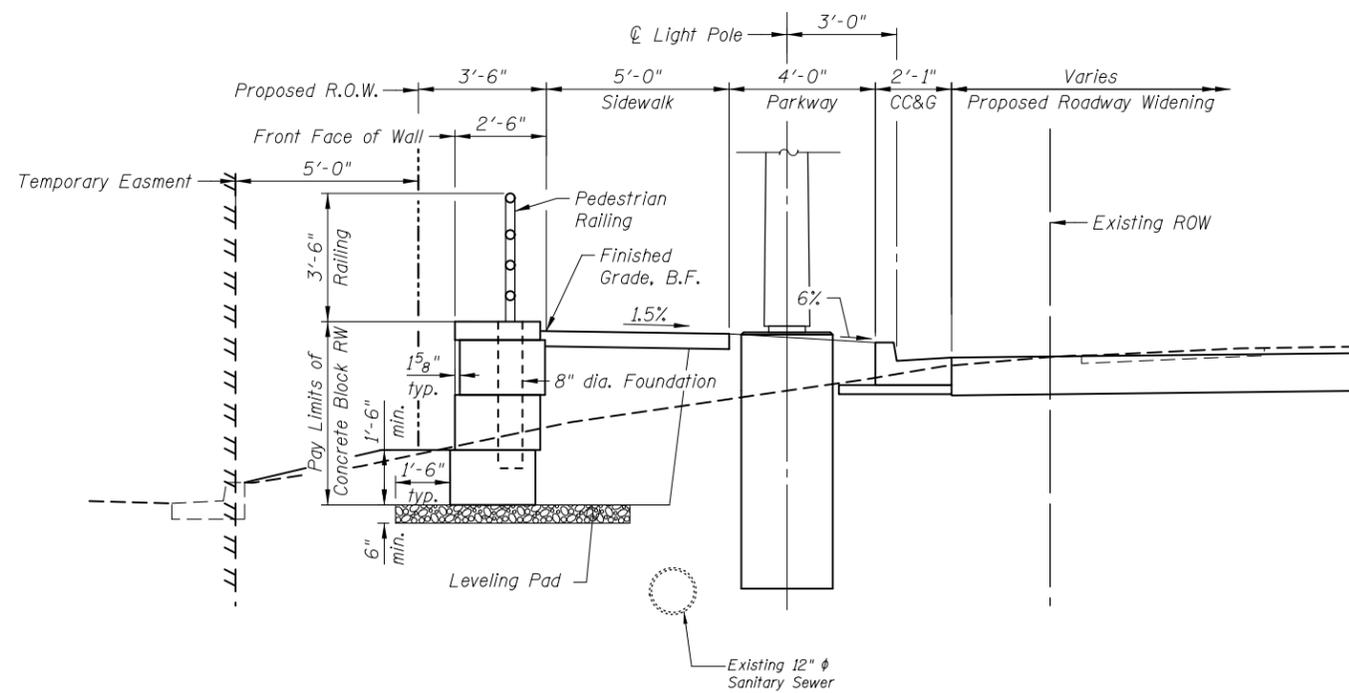
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PLOT SCALE =	DRAWN - C. SEDLACKO	REVISED -
PLOT DATE = 8/13/2021	CHECKED - M. LANGE	REVISED -
	DATE - 12/2/2021	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

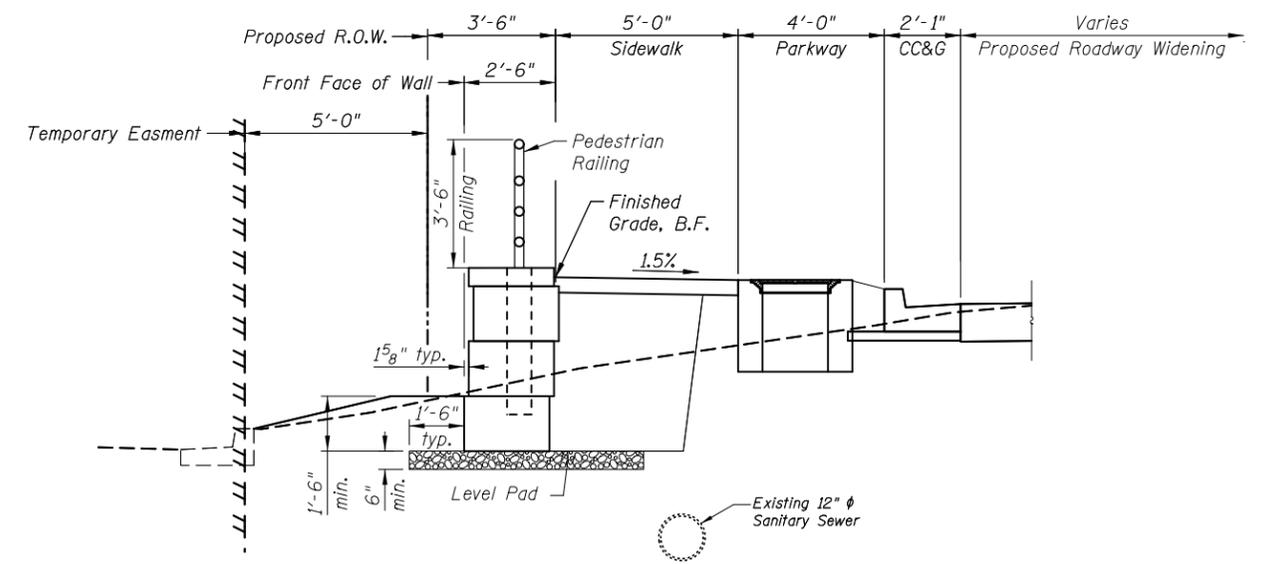
WALL B; GENERAL PLAN AND ELEVATION  
87TH AND WOODWARD AVENUE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3580	13-00253-01-CH	DUPAGE	177	127
CONTRACT NO. 61E87				

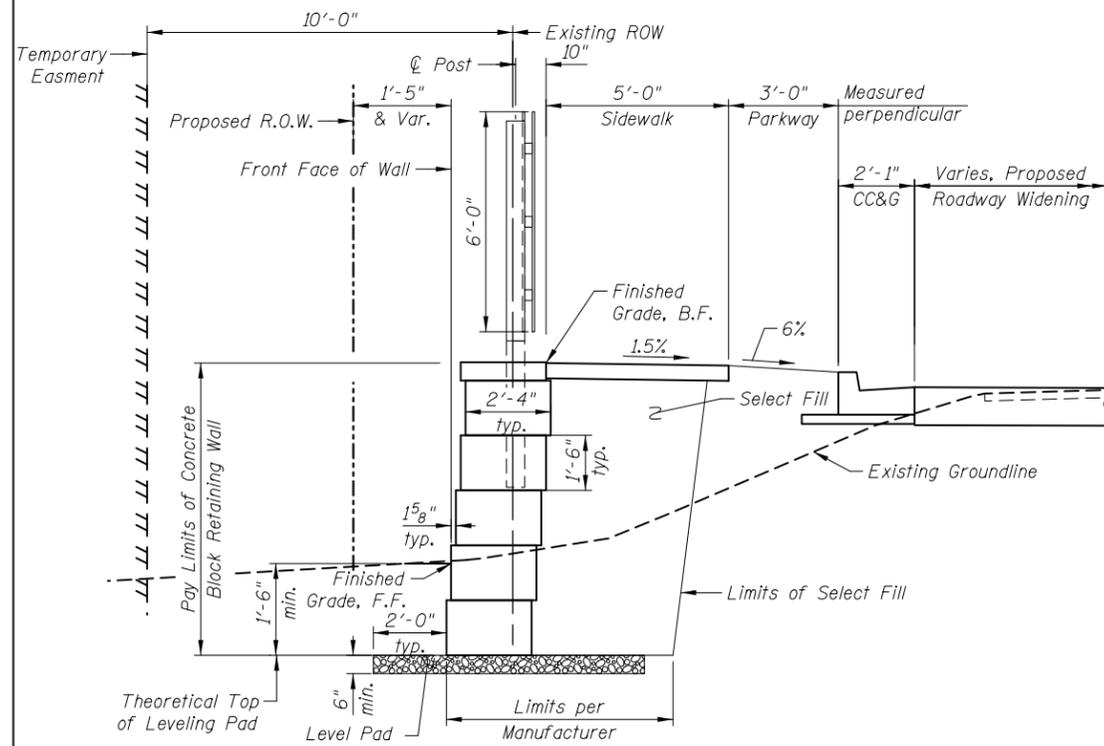
ILLINOIS FED. AID PROJECT



TYPICAL CROSS SECTION - WALL A



SECTION AT HANDHOLE



TYPICAL SECTION - WALL B

**GENERAL NOTES:**

1. Design and installation of Concrete Block Retaining Wall using big block (without the need for Soil Reinforcement) to be in accordance with Wall System Manufacturer Design Requirements and Specifications.
2. Pay limits for Concrete Block retaining wall is from Top of Block to the top of the theoretical leveling pad.
3. Limits of backfill behind retaining wall is included in the cost of the concrete block retaining wall.



USER NAME =  
 PLOT SCALE =  
 PLOT DATE = 8/13/2021

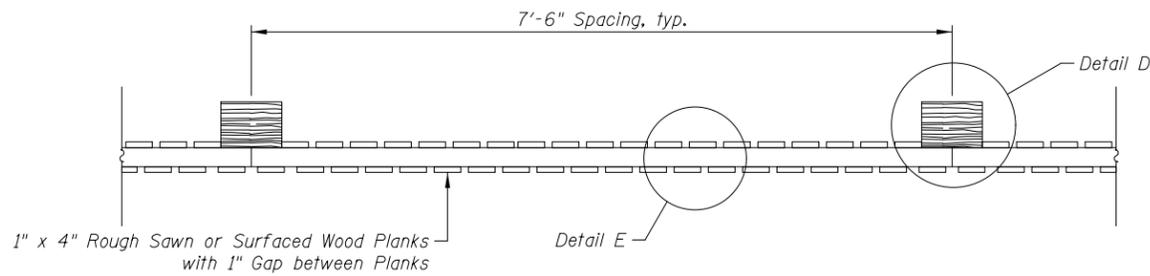
DESIGNED - C. SEDLACKO  
 DRAWN - C. SEDLACKO  
 CHECKED - M. LANGE  
 DATE - 12/2/2021

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

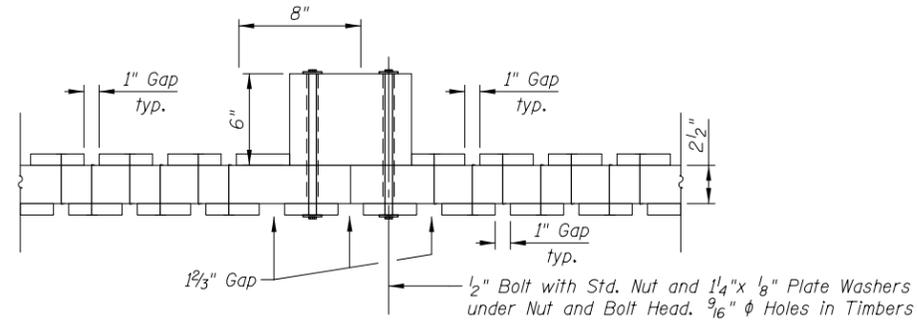
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

WALL DETAILS  
 87TH AND WOODWARD AVENUE

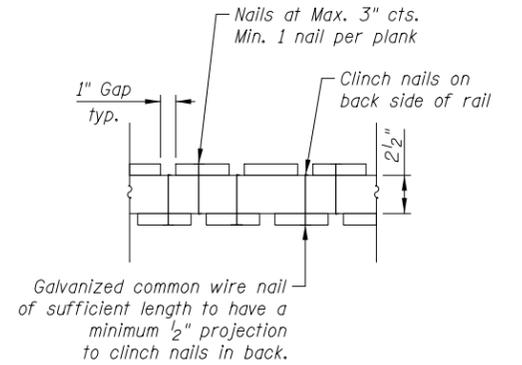
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3580	13-00253-01-CH	DUPAGE	177	128
				CONTRACT NO. 61E87



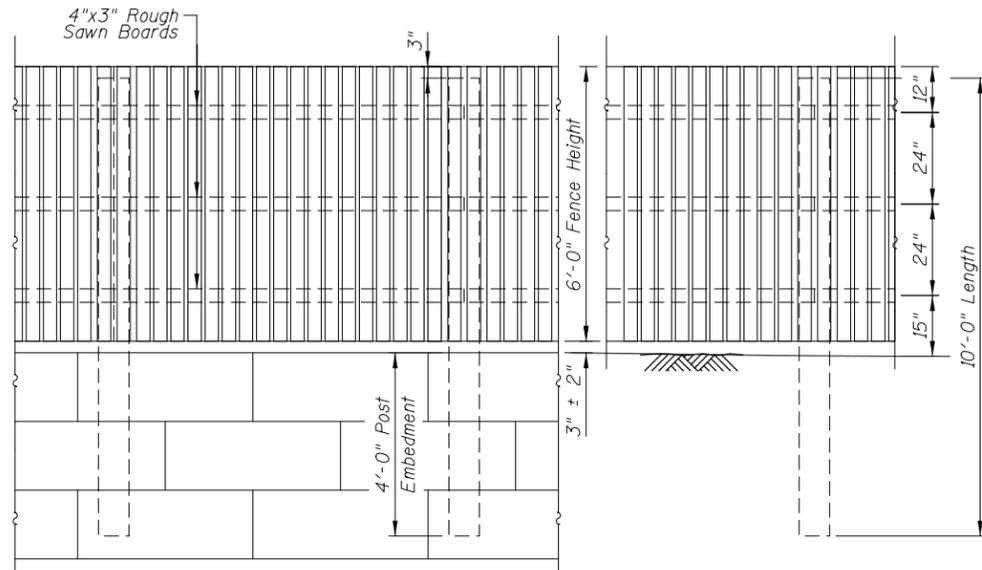
**WOOD PRIVACY FENCE - PLAN**



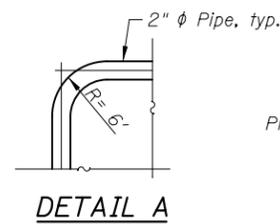
**DETAIL D**  
(Showing Post Connection)



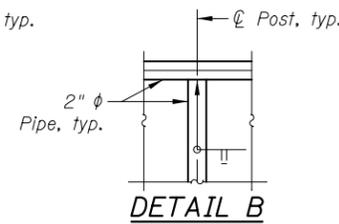
**DETAIL E**  
(Showing Typical Plank to Rail Attachment Each Rail)



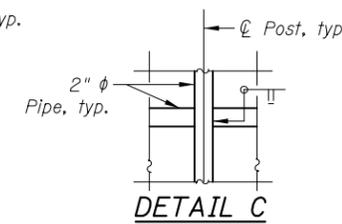
**WOOD PRIVACY FENCE - ELEVATION**



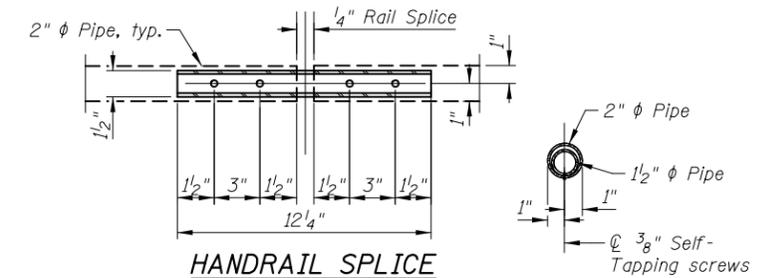
**DETAIL A**



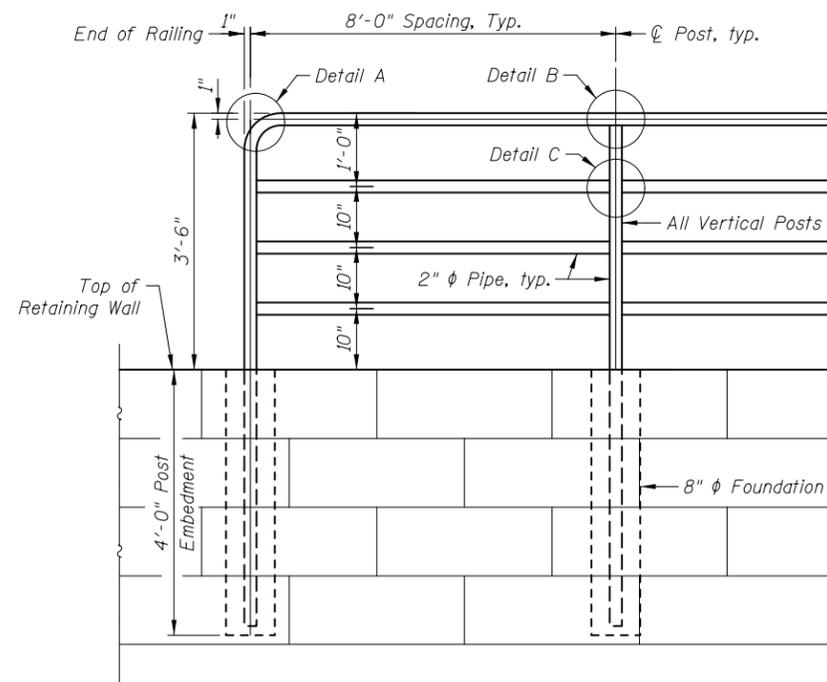
**DETAIL B**



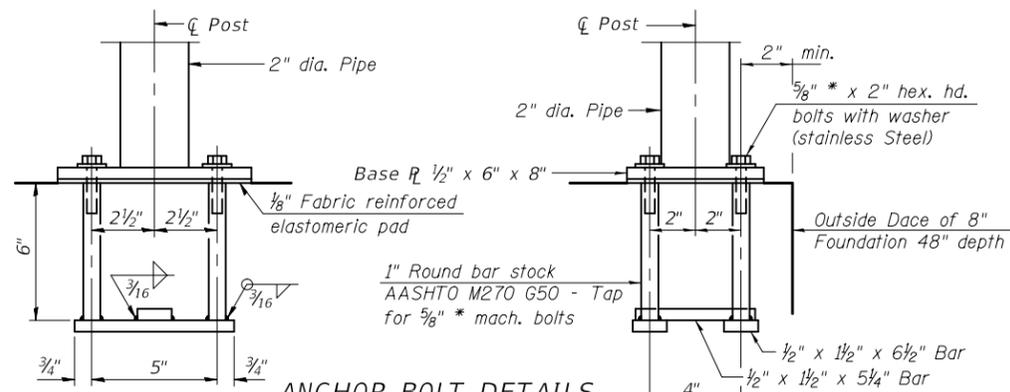
**DETAIL C**



**HANDRAIL SPLICE**



**PEDESTRIAN RAILING**

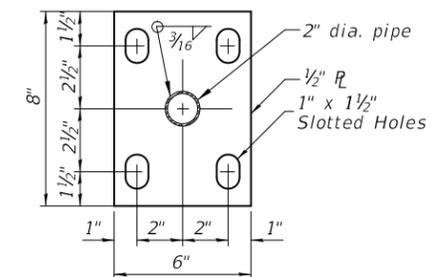


**ANCHOR BOLT DETAILS**

In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting 5/8\"/>

**RAILING NOTES:**

1. Railing shall be according to Section 509 of the Standard Specification, except as noted and will be paid for at the Contract Unit Price per Foot for PEDESTRIAN RAILING.
2. Hollow structural steel tubing shall conform to requirements of ASTM designation A500, Grade B structural steel tubing.
3. All other steel shapes and plates shall conform to the requirements of AASHTO M270 Grade 36.
4. All steel railing elements shall be galvanized according to Article 509.05 of the Standard Specifications.



**BASE PL**



USER NAME =	DESIGNED - C. SEDLACKO	REVISED -
PLOT SCALE =	DRAWN - C. SEDLACKO	REVISED -
PLOT DATE = 8/13/2021	CHECKED - M. LANGE	REVISED -
	DATE - 12/2/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RAILING DETAILS  
87TH AND WOODWARD AVENUE**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3580	13-00253-01-CH	DUPAGE	177	129
CONTRACT NO. 61E87				



Rubino Engineering, Inc.  
665 Tollgate Road, Unit H  
Elgin, IL 60123  
Telephone: 847-931-1555  
Fax: 847-931-1560

### LOG OF BORING B-03

Sheet 1 of 1

Rubino Job No.: G16.152	Drilling Method: 3 1/4" Hollow Stem Auger	<b>WATER LEVELS</b>	
Project: 87th & Woodward Street Reconstruction	Sampling Method: Split Spoon	While Drilling	N/A FT
Location: 87th Street and Woodward Avenue	Hammer Type: Automatic	Upon Completion	N/A FT
City, State: Woodridge, Illinois	Boring Location: 87th Street	Delay	N/A FT
Client: Engineering Resource Associates, Inc.	Woodridge, Illinois		

Elevation (feet)	Depth (feet)	Graphic Log	Sample Type	Sample No.	Recovery (inches)	MATERIAL DESCRIPTION	USCS Classification	SPT Blows per 6-inch (SS)	STANDARD PENETRATION TEST DATA			Additional Remarks
									Moisture, %	PL	LL	
0	0					Approximately 14 inches of ASPHALT						
						Approximately 4 inches of GRAVEL BASE						
	1			18		Brown silty CLAY, trace sand and gravel; Stiff	CL	4,4,6 N=10	31	Moisture: 25% PL: 36 LL: 19	Qp=3.5 tsf LL = 36 PL = 19	
	2			5		Brown silty CLAY, trace sand and gravel; Medium stiff to stiff	CL	4,5,8 N=13	14	Moisture: 25% PL: 36 LL: 19	*Qp=4.0 tsf	
	3			16		Gray silty CLAY, trace sand and gravel; Stiff	CL	3,14,8 N=22	26	Moisture: 25% PL: 36 LL: 19	Qp=2.5 tsf	
	4			16		Gray silty CLAY, trace sand and gravel; Stiff	CL	3,4,7 N=11	27	Moisture: 25% PL: 36 LL: 19	Qp=1.5 tsf	
	10					End of boring at approximately 10 feet below existing grade. No free groundwater encountered during drilling operations.						

Completion Depth: 10.0 ft	Sample Types:	Latitude: 41°43'40.42"N
Date Boring Started: 11/30/16	Auger Cutting	Longitude: 88° 1'38.02"W
Date Boring Completed: 11/30/16	Split-Spoon	Drill Rig: Geoprobe 7822DT
Logged By: J.W.	Rock Core	Remarks:
Drilling Contractor: Rubino Engineering, Inc.	Shelby Tube	
	Hand Auger	
	Texas Cone	

The stratification lines represent approximate boundaries. The transition may be gradual.



Rubino Engineering, Inc.  
665 Tollgate Road, Unit H  
Elgin, IL 60123  
Telephone: 847-931-1555  
Fax: 847-931-1560

### LOG OF BORING B-04

Sheet 1 of 1

Rubino Job No.: G16.152	Drilling Method: 3 1/4" Hollow Stem Auger	<b>WATER LEVELS</b>	
Project: 87th & Woodward Street Reconstruction	Sampling Method: Split Spoon	While Drilling	N/A FT
Location: 87th Street and Woodward Avenue	Hammer Type: Automatic	Upon Completion	N/A FT
City, State: Woodridge, Illinois	Boring Location: 87th Street	Delay	N/A FT
Client: Engineering Resource Associates, Inc.	Woodridge, Illinois		

Elevation (feet)	Depth (feet)	Graphic Log	Sample Type	Sample No.	Recovery (inches)	MATERIAL DESCRIPTION	USCS Classification	SPT Blows per 6-inch (SS)	STANDARD PENETRATION TEST DATA			Additional Remarks
									Moisture, %	PL	LL	
0	0					Approximately 11 inches of ASPHALT						
						Approximately 4 inches of GRAVEL BASE						
	1			14		Brown silty CLAY, trace sand and gravel; Very stiff Tree roots encountered during drilling process	CL	3,4,16 N=20	22	Moisture: 25% PL: 36 LL: 19	*Qp=4.0 tsf LL = 41 PL = 22	
	2			0		Brown silty CLAY, trace sand and gravel; Medium stiff to stiff Tree roots encountered during drilling process	CL	7,2,3 N=5	20	Moisture: 25% PL: 36 LL: 19		
	3			0		Brown silty CLAY, trace sand and gravel; Medium stiff to stiff Tree roots encountered during drilling process	CL	3,4,3 N=7	22	Moisture: 25% PL: 36 LL: 19		
	4			18		Brown silty CLAY, trace sand and gravel; Medium stiff to stiff Tree roots encountered during drilling process	CL	3,5,8 N=13	16	Moisture: 25% PL: 36 LL: 19	*Qp=4.0 tsf	
	10					End of boring at approximately 10 feet below existing grade. No free groundwater encountered during drilling operations.						

Completion Depth: 10.0 ft	Sample Types:	Latitude: 41°43'43.12"N
Date Boring Started: 11/30/16	Auger Cutting	Longitude: 88° 1'30.39"W
Date Boring Completed: 11/30/16	Split-Spoon	Drill Rig: Geoprobe 7822DT
Logged By: J.W.	Rock Core	Remarks:
Drilling Contractor: Rubino Engineering, Inc.	Shelby Tube	
	Hand Auger	
	Texas Cone	

The stratification lines represent approximate boundaries. The transition may be gradual.



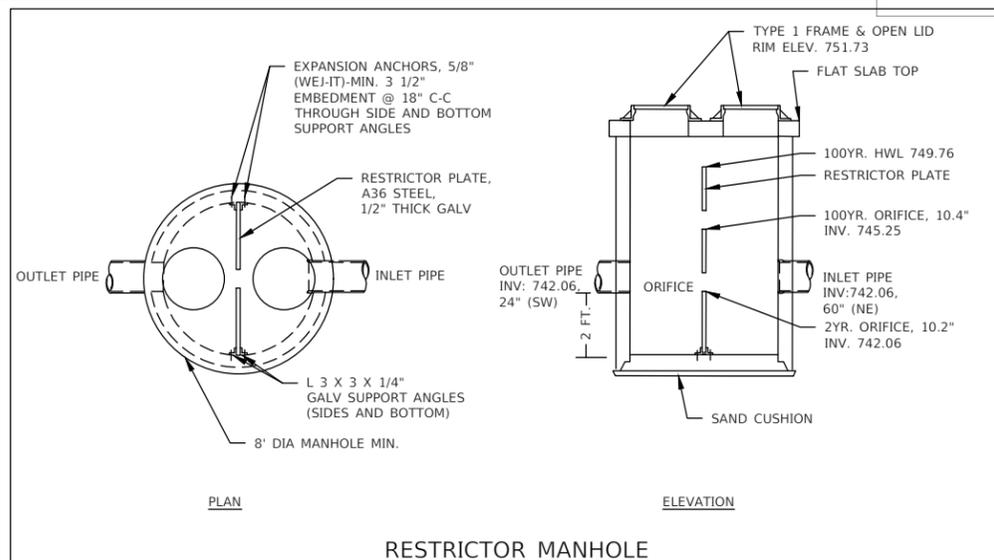
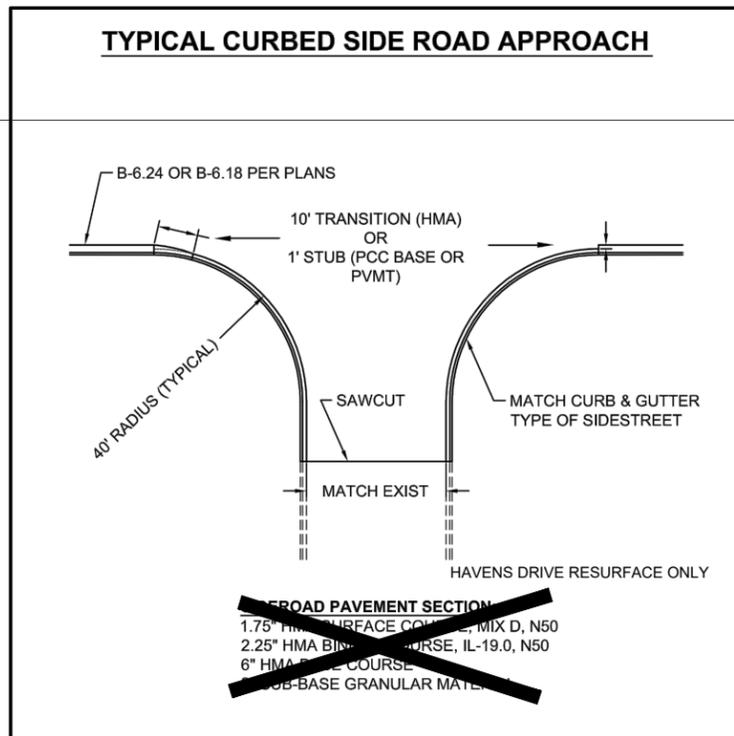
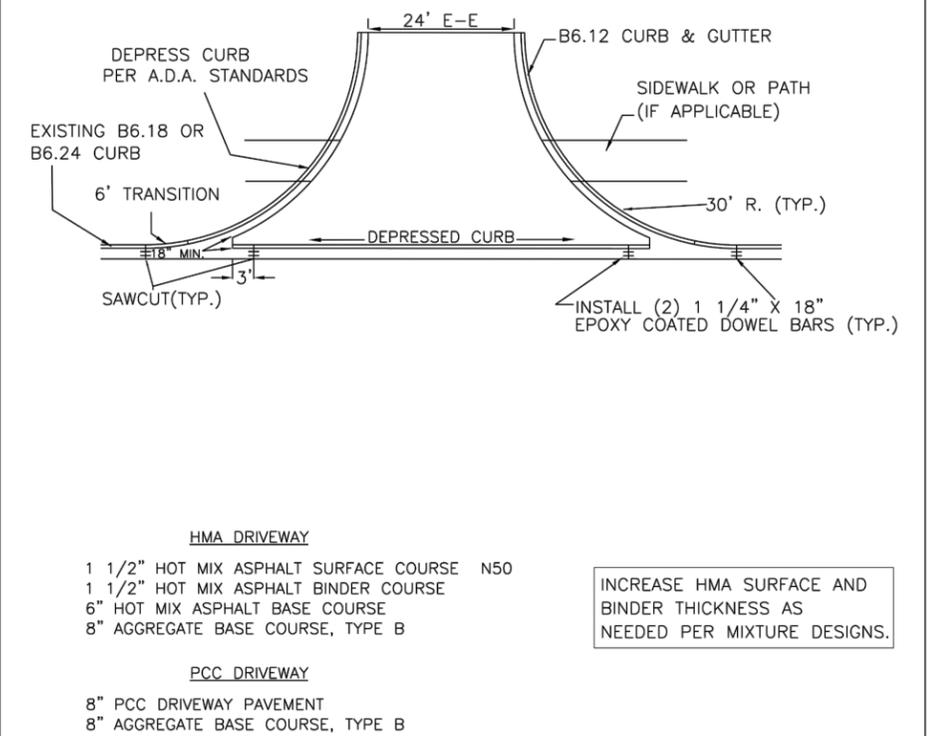
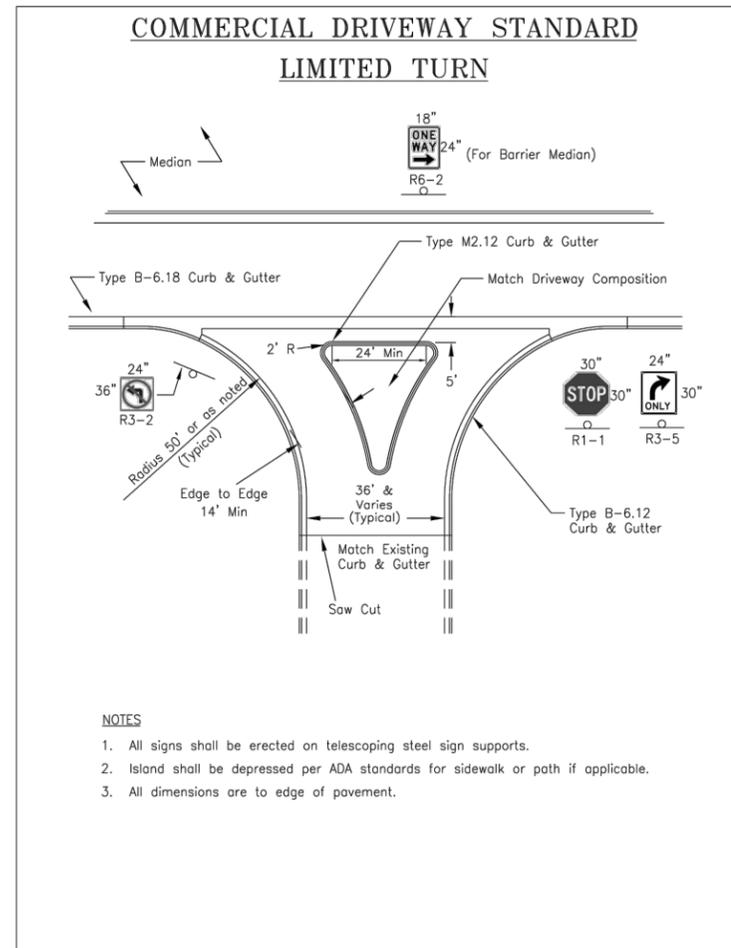
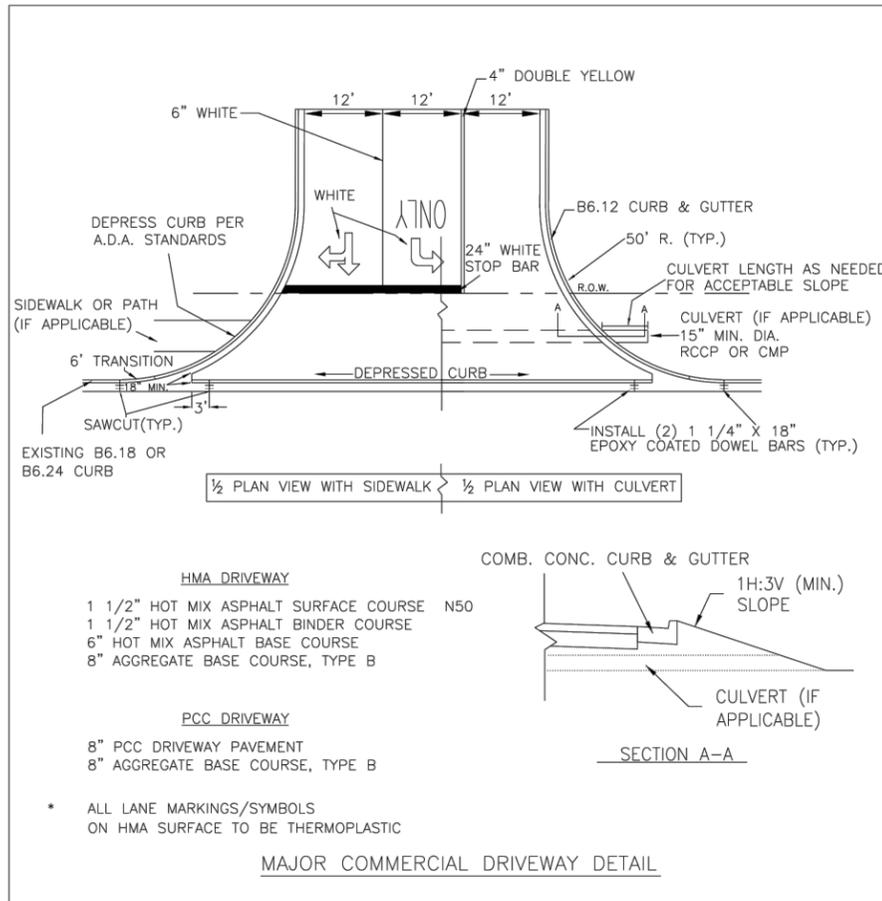
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PLOT SCALE =	DRAWN - C. SEDLACKO	REVISED -
PLOT DATE = 8/13/2021	CHECKED - M. LANGE	REVISED -
	DATE - 12/2/2021	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SOIL BORINGS  
87TH AND WOODWARD AVENUE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3580	13-00253-01-CH	DUPAGE	177	130
CONTRACT NO. 61E87				

ILLINOIS FED. AID PROJECT



FILE NAME: D:\ERA Projects\DuPage County\140901.00 87th & Woodward\A\FINAL July 2021\140901\_Details.dwg



USER NAME = Richard Tanner	DESIGNED - EW	REVISED - 04/25/19
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PLOT DATE = 12/2/2021	CHECKED - BD	REVISED - 11/03/2021
	DATE - 04/25/19	REVISED - ---

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

87th STREET AND WOODWARD AVENUE  
 COUNTY DETAILS

SCALE: N.T.S. SHEET NO. 1 OF 4 SHEETS STA. TO STA.

F.A.U. RTE. 3580	SECTION 13-00253-01-CH	COUNTY DuPage	TOTAL SHEETS 177	SHEET NO. 131
FED. ROAD DIST. NO. - ILLINOIS		FED. AID PROJECT		

**PAVEMENT MARKINGS AND PAVEMENT MARKERS**

**MATERIALS FOR PAVEMENT MARKINGS:**

LOCATION	MATERIAL
ALL MARKINGS ON BITUMINOUS PAVEMENT	THERMOPLASTIC PAVEMENT MARKINGS
ALL MARKINGS ON CONCRETE SURFACES	URETHANE PAVEMENT MARKINGS

**INSTALLATION OF PAVEMENT MARKINGS:**

LOCATION	TYPE OF MARKING
PAINTED MEDIANS	4" DOUBLE YELLOW; 11" c-c AND 12" YELLOW @ 45°; 30" c-c
BARRIER MEDIANS	4" YELLOW
TURN BAY TAPERS ALONG THRU LANES	6" WHITE, 2' LONG, 6' SPACE (DOTTED WHITE)
START OF TURN BAYS	ARROW AND "ONLY"
END OF TURN BAYS 150'-200' LONG	ADDITIONAL ARROW 10' FROM END
TURN BAYS > 200' LONG	ADDITIONAL "ONLY"

ALL OTHER MARKINGS PER MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES OF ILLINOIS.

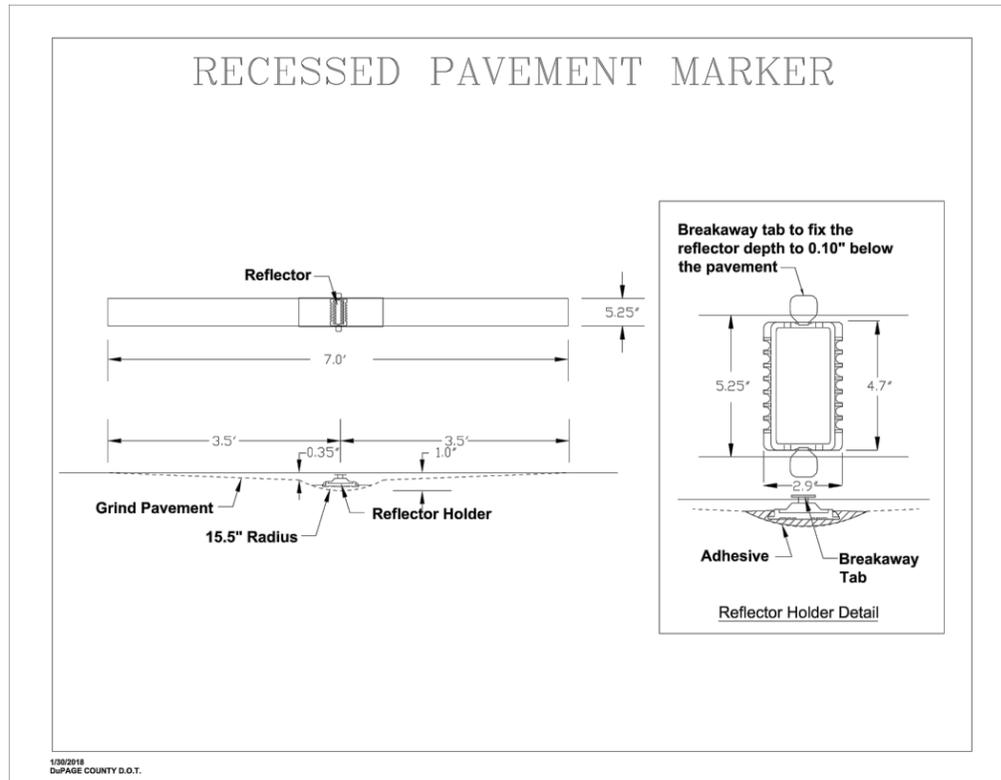
**INSTALLATION OF RECESSED REFLECTIVE PAVEMENT MARKERS:**

LOCATION	SPACING
DOUBLE YELLOW CENTERLINE, & SKIP-DASH WHITE LANE LINES APPROACH & DEPARTURE FROM INTERSECTIONS & CURVES* * EQUAL TO LENGTH OF TURN BAY, OR 200'	40'
ALONG CURVES OR TAPERS	40'
TANGENT SECTIONS	40'
SOLID LANE LINES (TURN BAYS)	40'
END OF PAINTED MEDIANS	3 @ 3' LATERAL

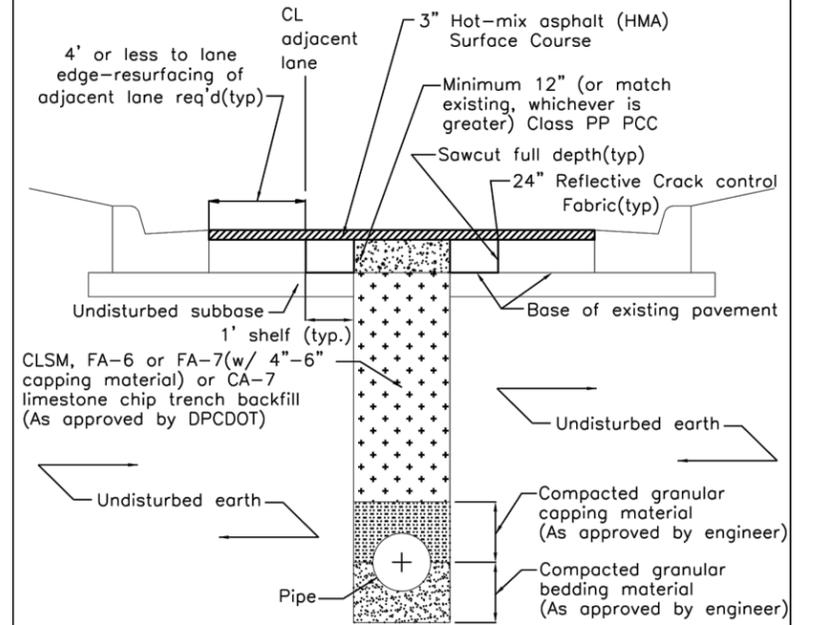
LOCATION	TYPE
DOUBLE YELLOW CENTERLINE	2-WAY YELLOW
PAINTED MEDIANS ≤ 4' WIDE	2-WAY YELLOW
PAINTED MEDIANS > 4' WIDE	1-WAY YELLOW
YELLOW LINE ALONG BARRIER MEDIANS ** EXCEPT IN SPECIAL CIRCUMSTANCES	NONE **
SKIP-DASH WHITE LANE LINES, SOLID LANE LINES (TURN BAYS)	1-WAY WHITE
2-WAY, UNDIVIDED ROADWAY	2-WAY WHITE / RED
1-WAY ROADWAY, OR DIVIDED WITH BARRIER MEDIAN	2-WAY WHITE / RED

9/1/2020  
DuPAGE COUNTY D.O.T.



1/30/2018  
DuPAGE COUNTY D.O.T.

**DUPAGE COUNTY DIVISION OF TRANSPORTATION  
TRENCH BACKFILL STANDARD IN PAVED AREAS**



**Notes:**

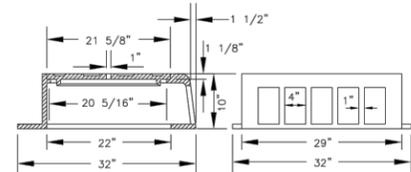
- All materials per IDOT's "Standard Specifications for Road & Bridge Construction" (latest edition) and "Supplemental Recurring Special Provisions" (latest edition).
- Replace all pavement markings, striping, symbols and pavement markers in kind.

**SAG FRAME & LID**

Sag Frame and Lid shall be Neenah Foundry Company #R-3305 .

**R-3305 Catch Basin Frame and Lid**

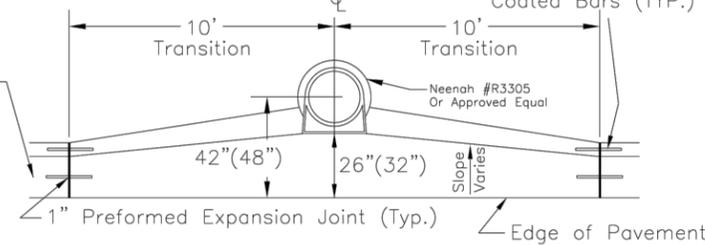
For behind-the-curb construction.  
Heavy-Duty  
Total weight 937 Kilograms (425 lbs.)



**PLAN VIEW**

18" Long #10 Epoxy Coated Bars (TYP.)

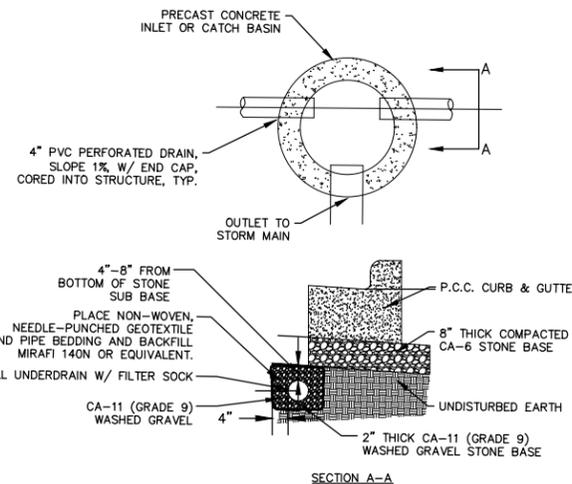
Type B-6.18(B-6.24) Curb & Gutter (Typ.)



**PROFILE VIEW**

Note: Plan and profile not to scale

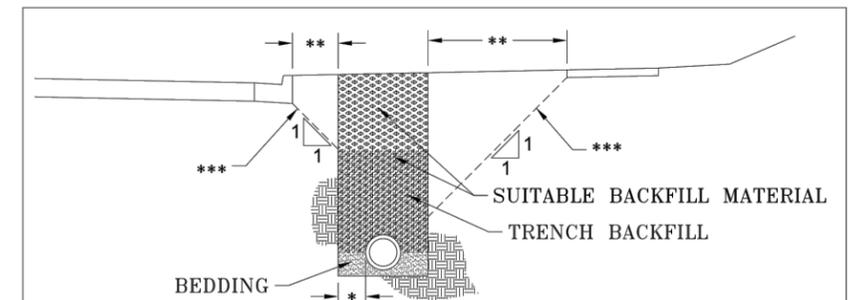
1/31/2018  
DuPAGE County D.O.T.



**NOTES:**

- INSTALL A 4" PVC PERFORATED DRAIN PIPE ADJACENT TO THE GUTTER AND PARALLEL TO THE CURB IN BOTH DIRECTIONS (SEE PLANS FOR QUANTITY) AND CAP ENDS.
- INSTALL FILTER FABRIC AROUND GRANULAR BACKFILL WITH 1' OVERLAP.
- INSTALL TOP OF UNDERDRAIN A MINIMUM OF 4" AND A MAXIMUM OF 8" BELOW THE PAVEMENT BASE COURSE.

**PVC UNDERDRAIN IN PAVEMENT**



\* TRENCH WIDTH PER ARTICLE 550.04 OF THE STANDARD SPECIFICATIONS. WHERE THE TRENCH WIDTH IS WIDER, THE ADDITIONAL TRENCH BACKFILL SHALL BE AT THE CONTRACTOR'S EXPENSE.

**\*\*\* LINE OF INFLUENCE:**

USE TRENCH BACKFILL MATERIAL FOR THE FULL WIDTH OF THE TRENCH WHEN THE INNER EDGE OF THE TRENCH IS BELOW A LINE EXTENDING 1H:1V FROM THE EDGE OF PAVEMENT, CURB, GUTTER, CURB AND GUTTER, STABILIZED SHOULDER, OR SIDEWALK.

**DuPAGE COUNTY TRENCH BACKFILL DETAIL**

1/31/2018  
DuPAGE COUNTY D.O.T.

FILE NAME: D:\ERA Projects\DuPage County\140901.00 87th & Woodward\A\FINAL July 2021\140901\_Details.dwg



USER NAME = Richard Tanner	DESIGNED - EW	REVISED - 11/01/18
	DRAWN - RT	REVISED - 10/08/2021
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PLOT DATE = 12/2/2021	DATE - 02/23/18	REVISED - ---

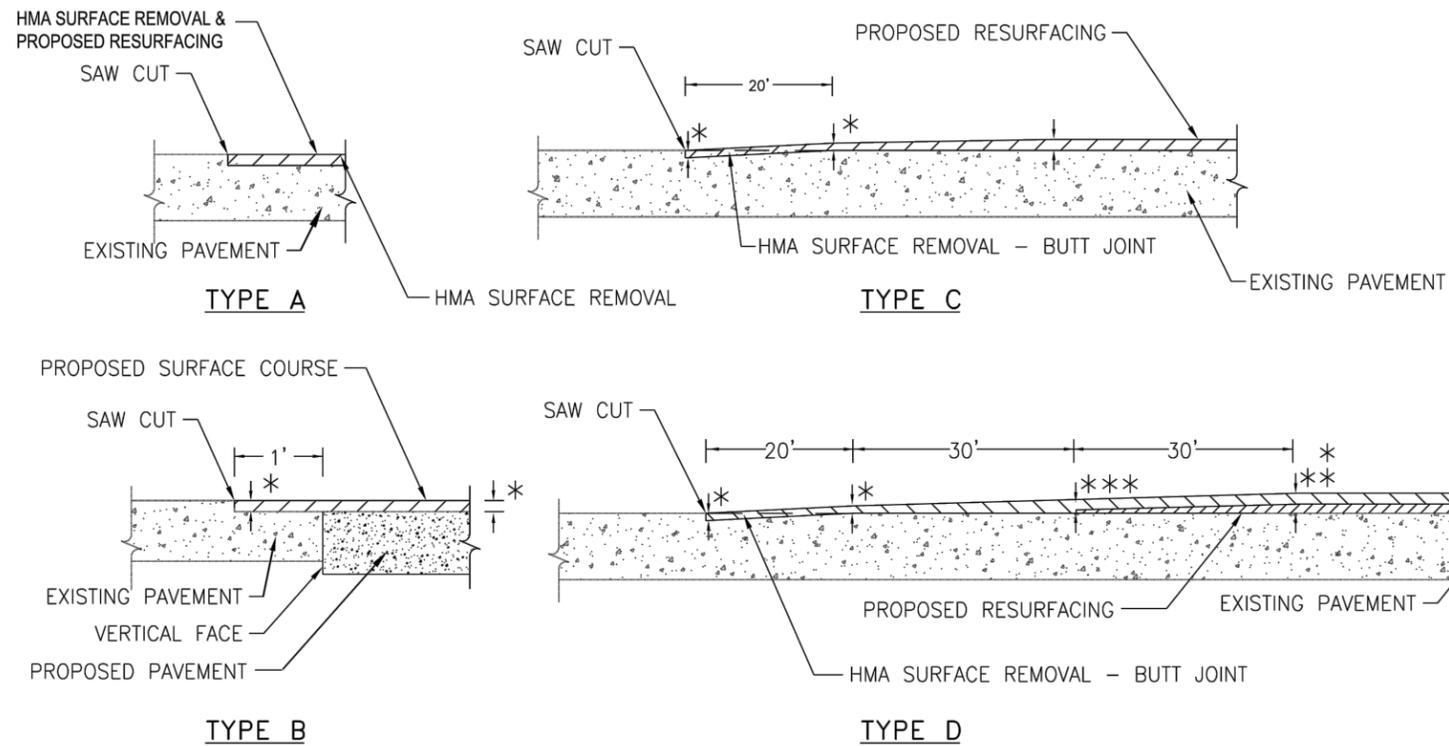
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

87th STREET AND WOODWARD AVENUE  
COUNTY DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3580	I3-00253-01-CH	DuPage	178	132
FED. ROAD DIST. NO. - ILLINOIS			CONTRACT NO. 61E87	

## BUTT JOINT DETAILS



- \* HMA SURFACE THICKNESS
- \*\* HMA BINDER OR LEVEL BINDER THICKNESS
- \*\*\* MINIMUM HMA LEVEL/BINDER THICKNESS

**NOTES**

SAW CUT SHALL NOT BE PAID FOR SEPARATELY  
 BUT SHALL BE INCLUDED IN THE COST FOR  
 HMA SURFACE REMOVAL OR PAVEMENT REMOVAL

12-14-2017  
 DuPage County D.O.T

FILE NAME: C:\ERA Projects\DuPage County\140901.00 87th & Woodward\A\FINAL July 2021\140901\_Details.dwg



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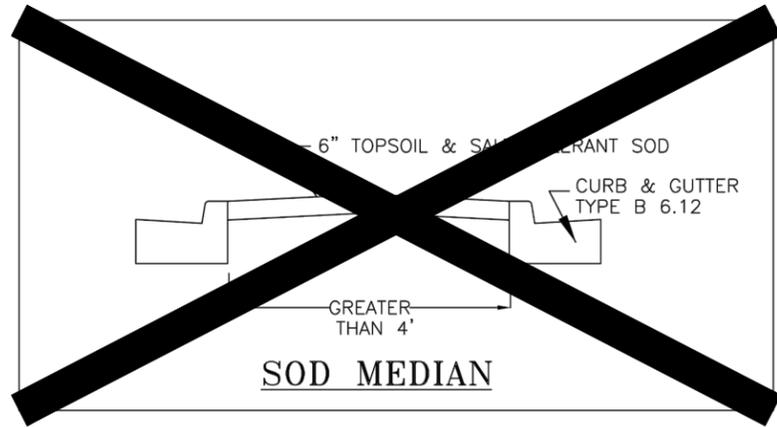
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

87th STREET AND WOODWARD AVENUE  
 COUNTY DETAILS

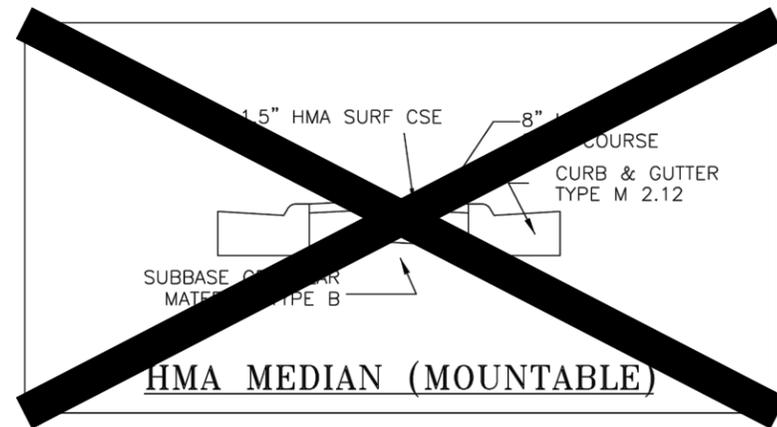
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT			CONTRACT NO. 61E87	

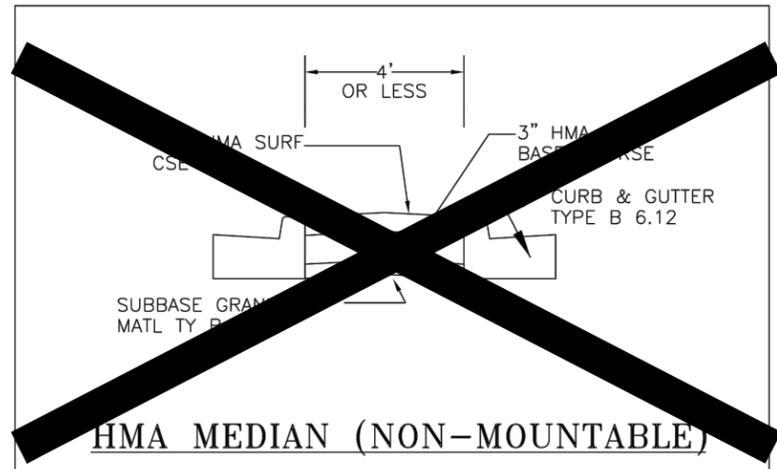
# MEDIAN DETAILS



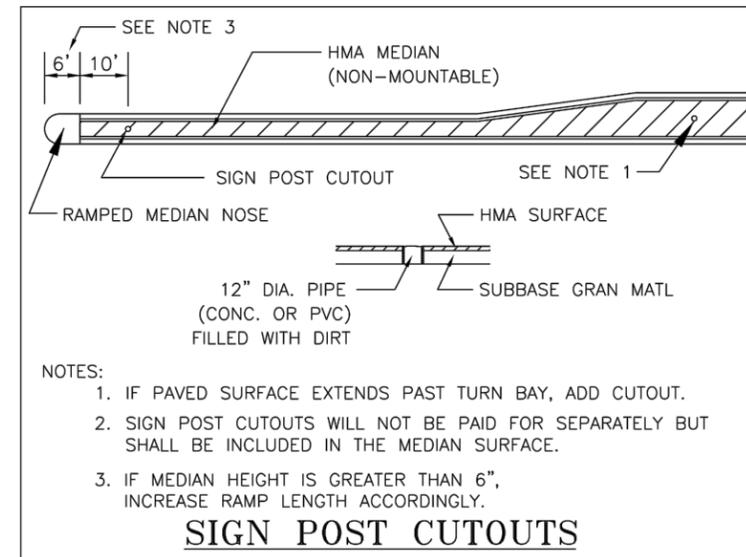
**SOD MEDIAN**



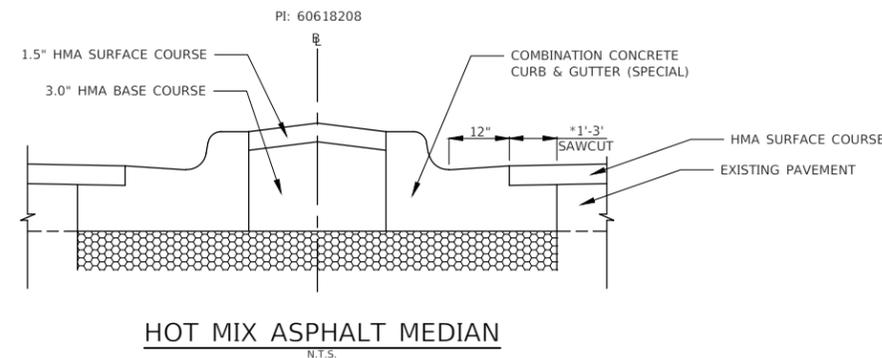
**HMA MEDIAN (MOUNTABLE)**



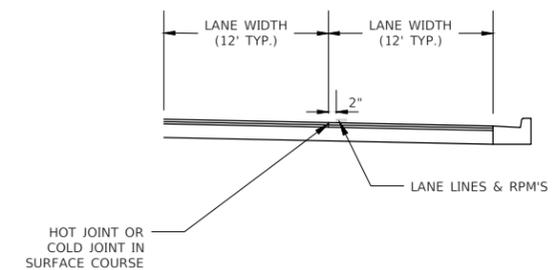
**HMA MEDIAN (NON-MOUNTABLE)**



1/30/2018  
DuPAGE COUNTY D.O.T.



**HOT MIX ASPHALT MEDIAN**



**PAVEMENT MARKING LOCATION**

FILE NAME: D:\ERA Projects\DuPage County\140901.00 87th & Woodward\A\FINAL July 2021\140901\_Details.dwg



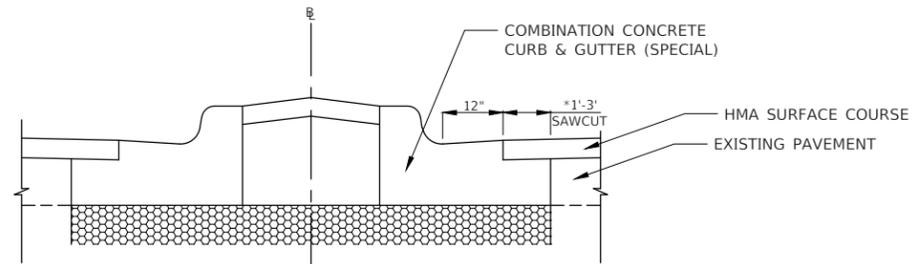
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PLOT DATE = 12/2/2021	DATE - 04/25/19	REVISED - ---

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

87th STREET AND WOODWARD AVENUE  
COUNTY DETAILS

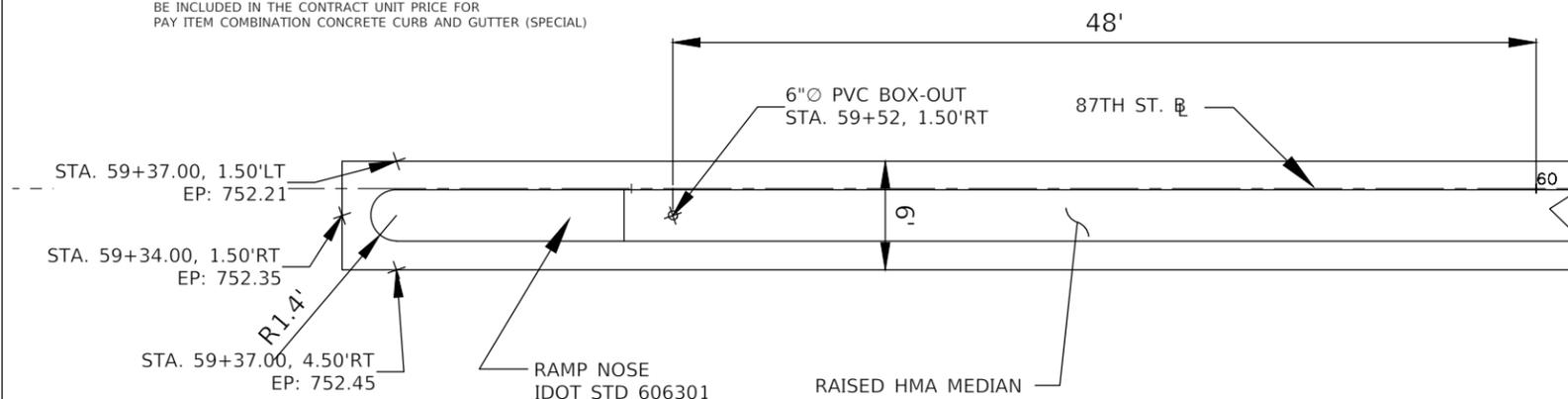
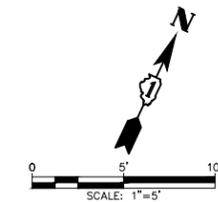
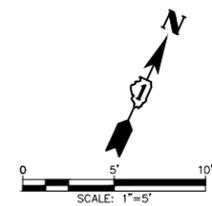
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT			CONTRACT NO. 61E87	

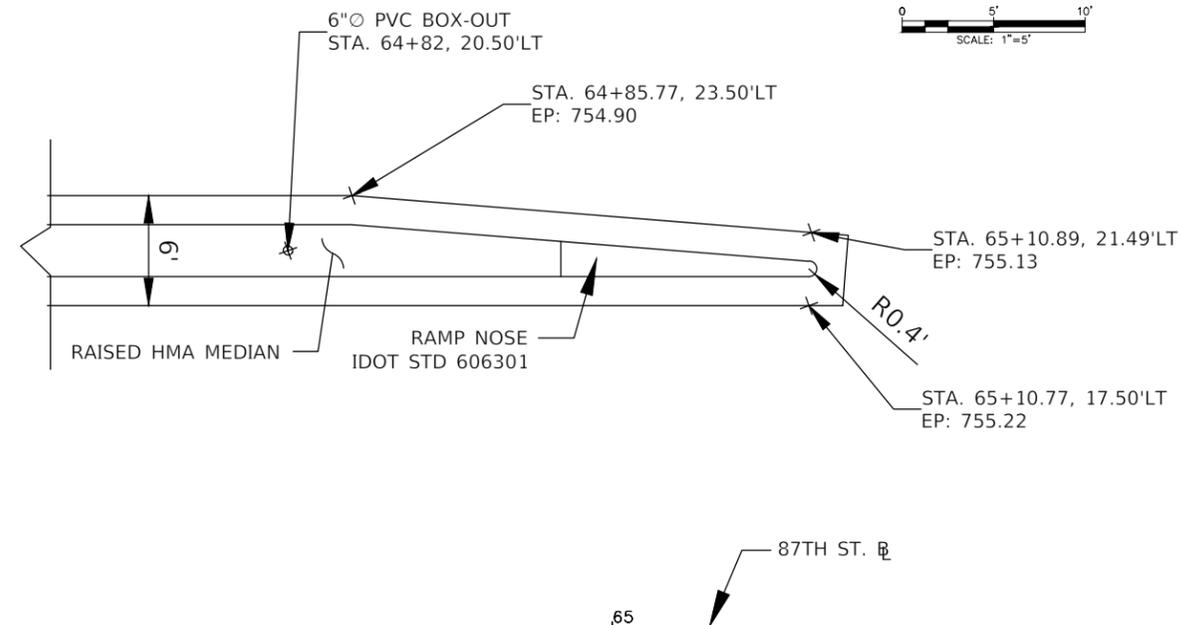


**COMBINATION CONCRETE CURB AND GUTTER (SPECIAL)**

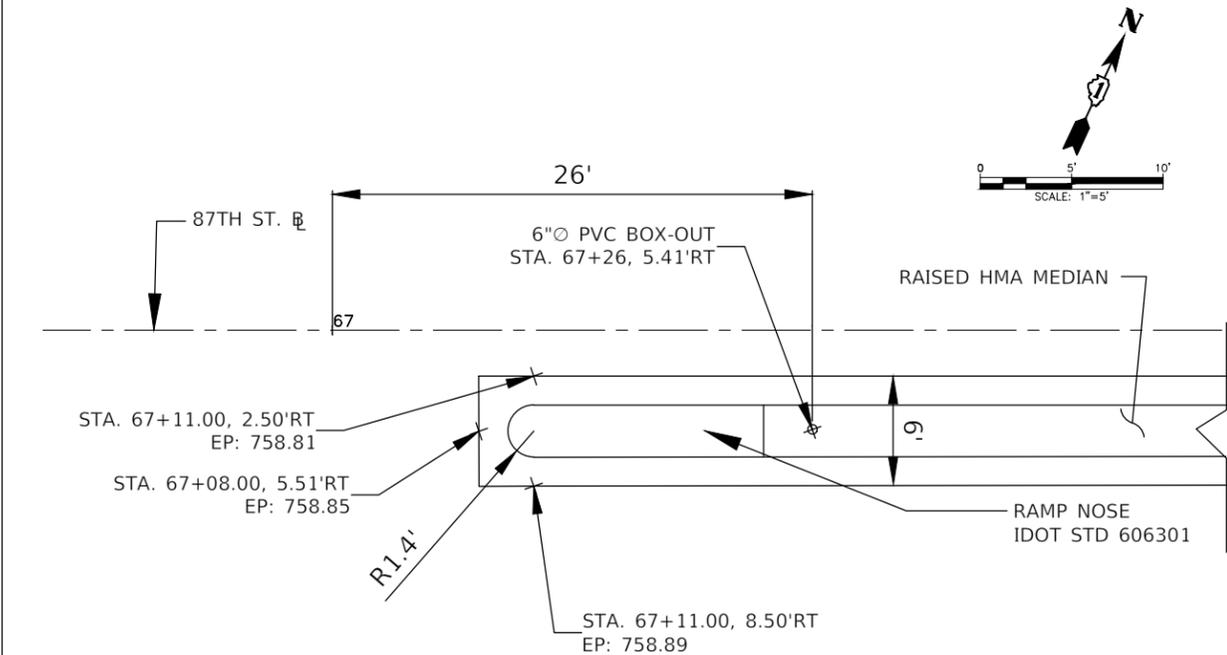
\* 1'-3" SAWCUT AND MONOLITHIC PAVEMENT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR PAY ITEM COMBINATION CONCRETE CURB AND GUTTER (SPECIAL)



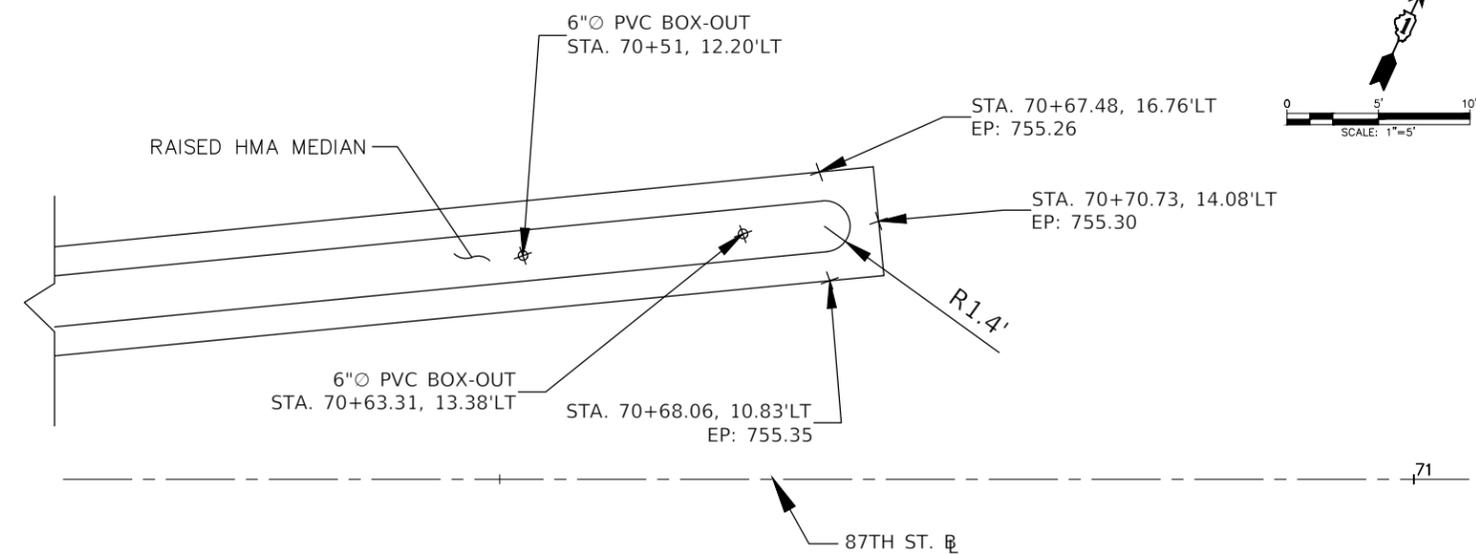
**MEDIAN DETAIL  
87TH STREET - AT WEST PROJECT LIMITS**



**MEDIAN DETAIL  
87TH STREET - WEST APPROACH OF 87TH/WOODWARD AVE.**



**MEDIAN DETAIL  
87TH STREET - EAST APPROACH OF  
87TH/WOODWARD AVE. INTERSECTION**



**MEDIAN DETAIL  
87th STREET - STA. 70+50**

FILE NAME: C:\ERA Projects\DirPage County\140901.00 87th & Woodward\A\FINAL July 2021\140901\_Details.dwg

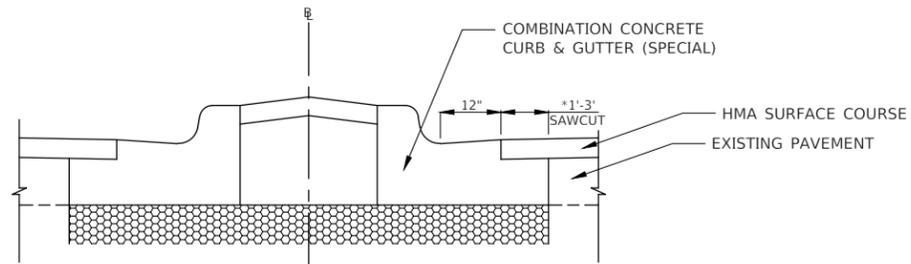


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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

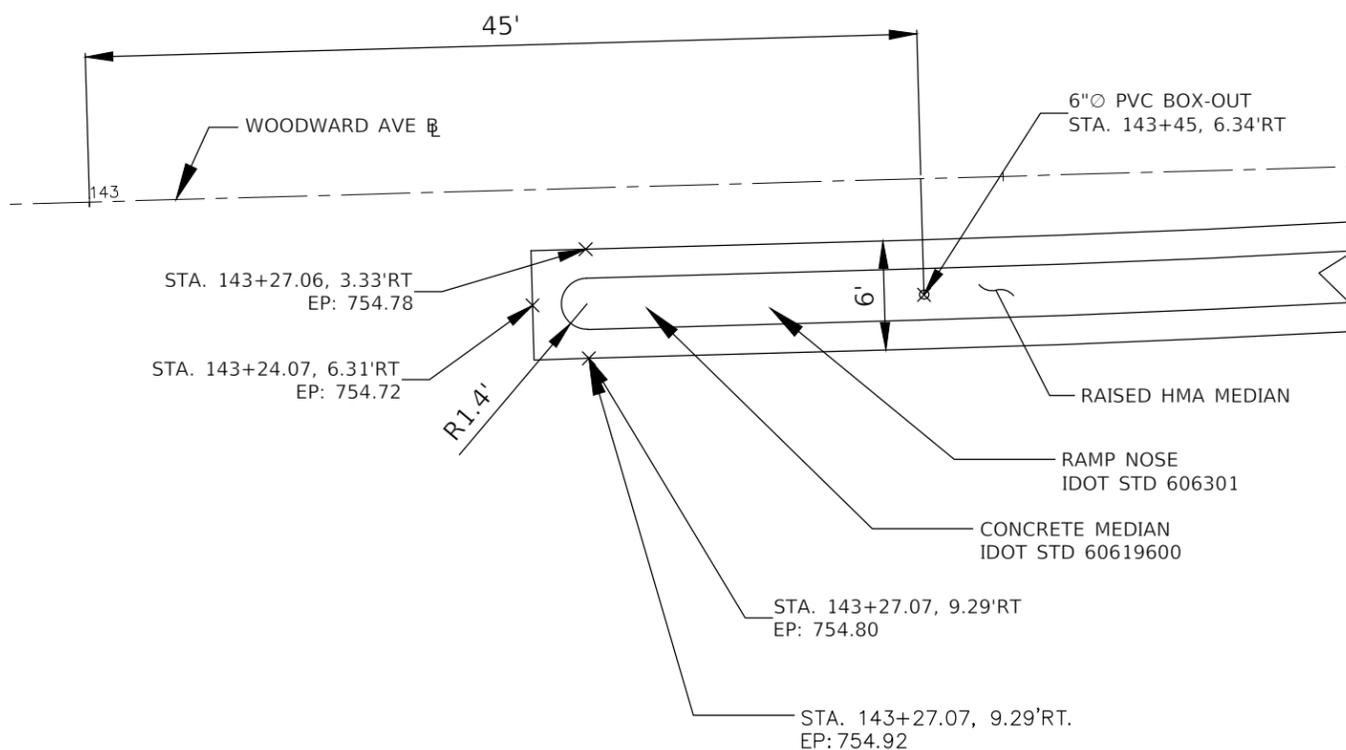
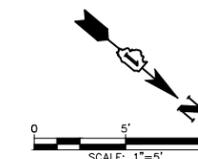
87th STREET AND WOODWARD AVENUE MEDIAN DETAILS		
SCALE: N.T.S.	SHEET NO. 1 OF 3 SHEETS	STA. TO STA.

F.A.U. RTE. 3580	SECTION 13-00253-01-CH	COUNTY DuPage	TOTAL SHEETS 177	SHEET NO. 135
FED. ROAD DIST. NO. - ILLINOIS		FED. AID PROJECT		

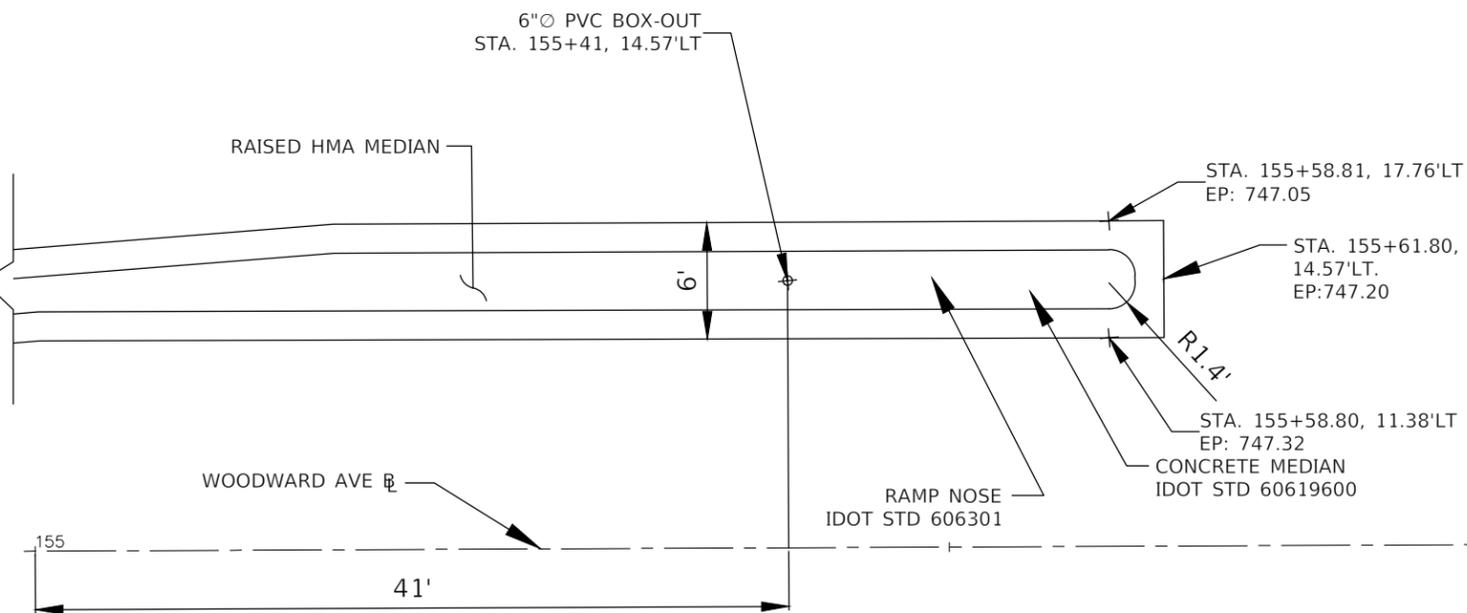


**COMBINATION CONCRETE CURB AND GUTTER (SPECIAL)**

\* 1'-3" SAWCUT AND MONOLITHIC PAVEMENT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR PAY ITEM COMBINATION CONCRETE CURB AND GUTTER (SPECIAL)



**MEDIAN DETAIL  
WOODWARD AVE. - AT SOUTH PROJECT LIMITS**



**MEDIAN DETAIL  
WOODWARD AVENUE - AT NORTH PROJECT LIMITS**

FILE NAME: C:\ERA Projects\DuPage County\140901.00 87th & Woodward\A\FINAL July 2021\140901\_Details.dwg



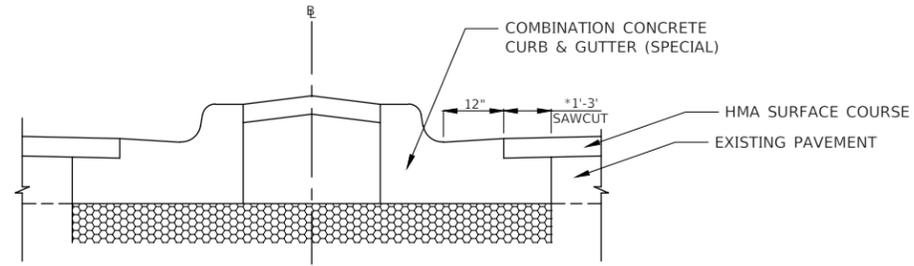
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	DRAWN - RT	REVISED - 08/13/2021
PLOT SCALE = #SCALE#	CHECKED - BD	REVISED - 10/08/2021
PLOT DATE = 12/2/2021	DATE - 04/26/19	REVISED - 11/03/2021

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**87th STREET AND WOODWARD AVENUE  
MEDIAN DETAILS**

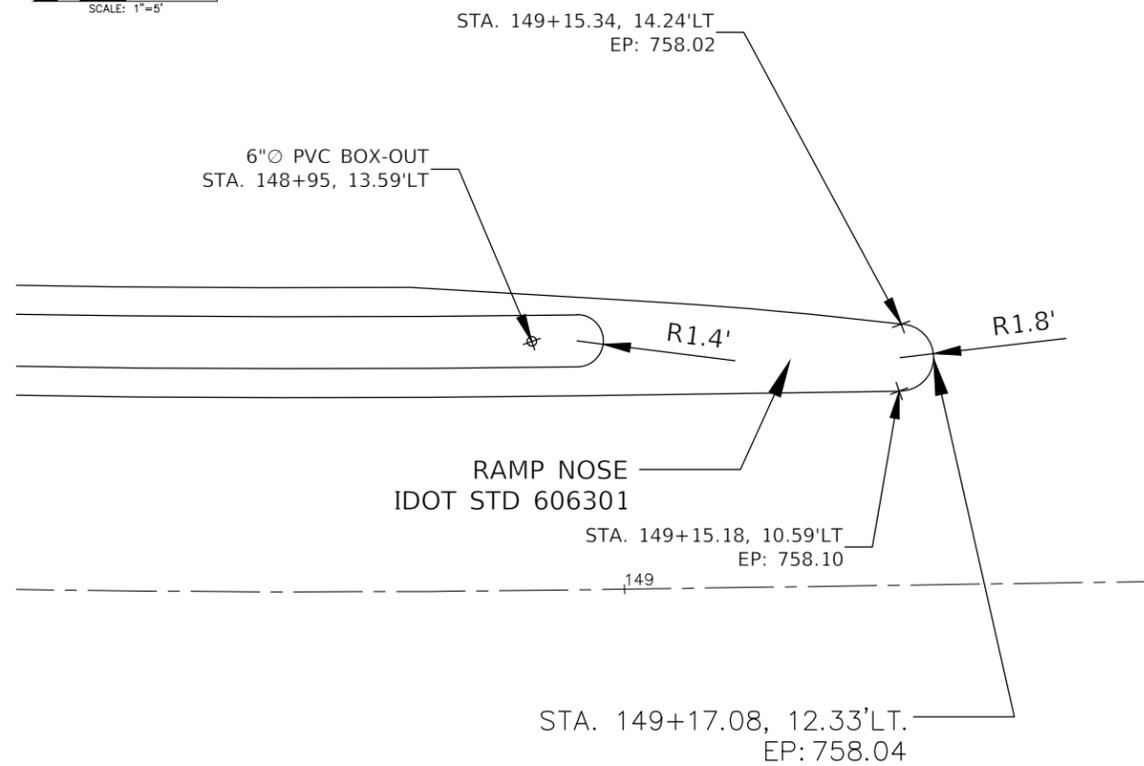
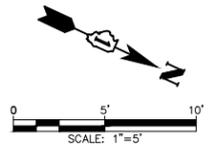
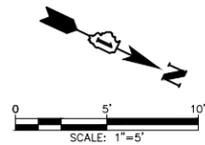
SCALE: N.T.S. SHEET NO. 2 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3580	13-00253-01-CH	DuPage	177	136
FED. ROAD DIST. NO. - ILLINOIS			CONTRACT NO. 61E87	
FED. AID PROJECT				

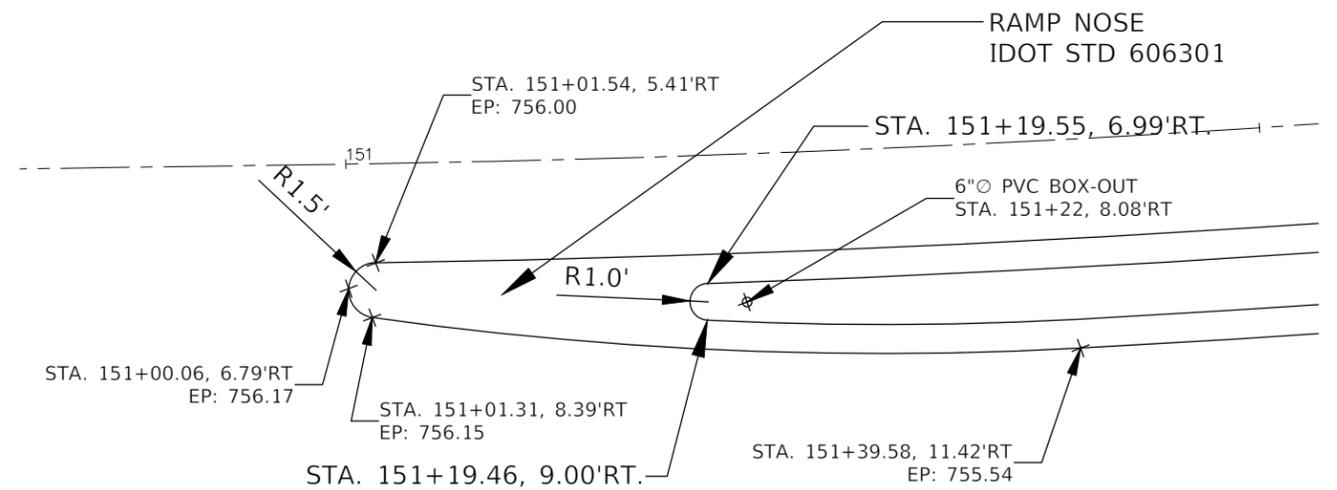


**COMBINATION CONCRETE CURB AND GUTTER (SPECIAL)**

\* 1'-3" SAWCUT AND MONOLITHIC PAVEMENT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR PAY ITEM COMBINATION CONCRETE CURB AND GUTTER (SPECIAL)



**MEDIAN DETAIL  
WOODWARD AVENUE - SOUTH APPROACH OF 87th/WOODWARD AVE.  
INTERSECTION**



**MEDIAN DETAIL  
WOODWARD AVENUE - NORTH APPROACH OF 87th/WOODWARD AVE.  
INTERSECTION**

FILE NAME: C:\ERA Projects\DuPage County\140901.00 87th & Woodward\A\FINAL July 2021\140901\_Details.dwg



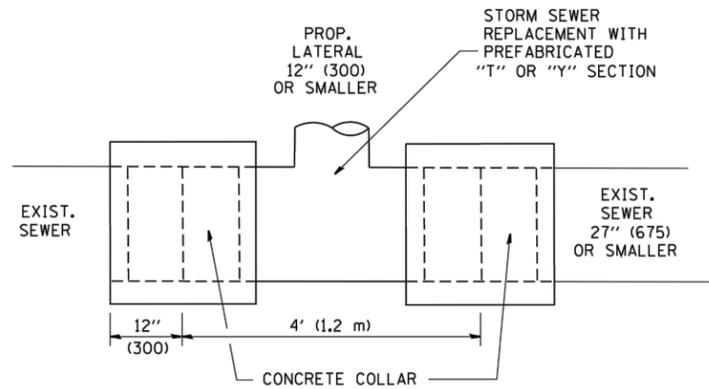
USER NAME = Richard Tanner	DESIGNED - PK	REVISED - 04/25/19
	DRAWN - RT	REVISED - 08/13/2021
PLOT SCALE = #SCALE#	CHECKED - BD	REVISED - 10/08/2021
PLOT DATE = 12/2/2021	DATE - 04/25/19	REVISED - 11/03/2021

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**87th STREET AND WOODWARD AVENUE  
MEDIAN DETAILS**

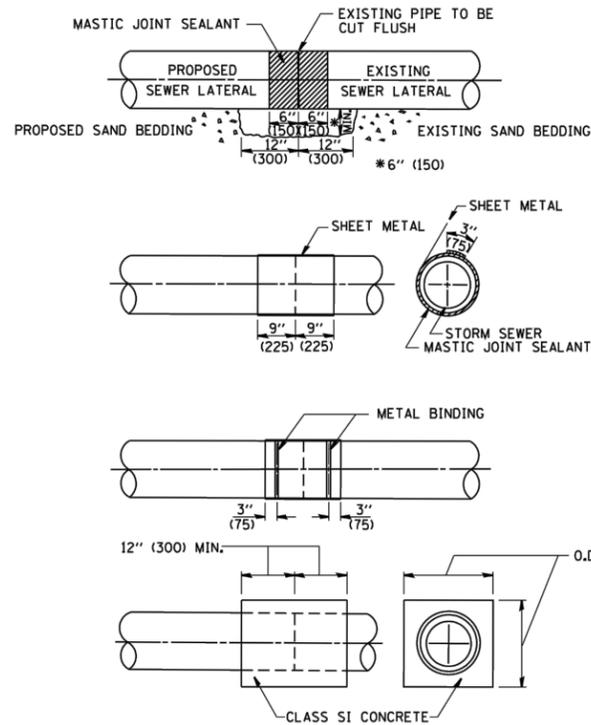
SCALE: N.T.S. SHEET NO. 3 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3580	I3-00253-01-CH	DuPage	177	137
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT			CONTRACT NO. 6IE897	



DETAIL "A"

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

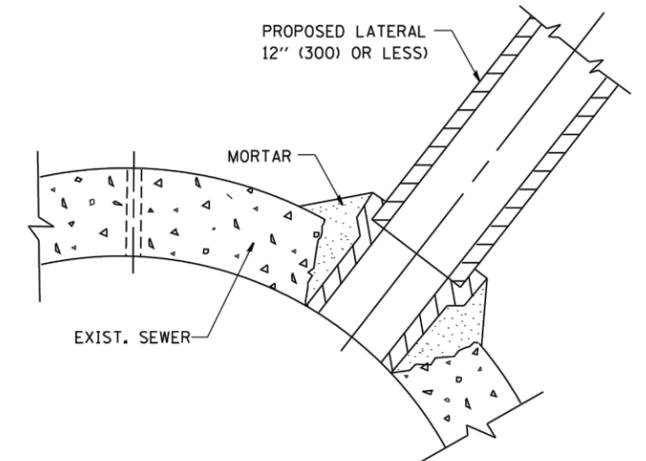


DETAIL "B"

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 I.I. (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 OZES 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.

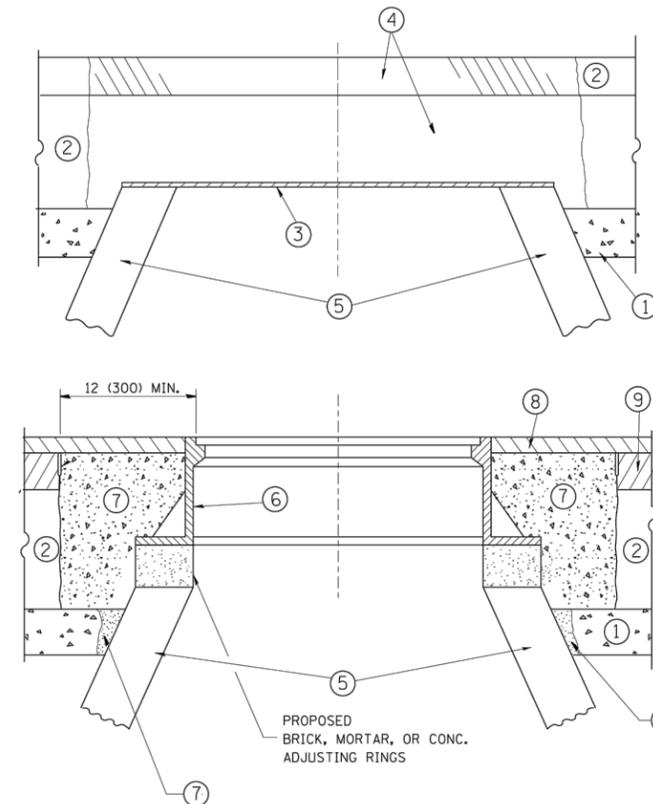
TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.

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.

USER NAME = geglino	DESIGNED - M. DE YONG	REVISED - M. DE YONG 05-08-92
PLOT SCALE = 50.000' / IN.	CHECKED - BD	REVISED - R. SHAH 09-09-94
PLOT DATE = 04/25/2019	DATE - 07-25-90	REVISED - R. SHAH 10-25-94
		REVISED - R. SHAH 06-12-96

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3580	13-00253-01-CH	DuPage	178	138
BD500-01 (BD-7)			CONTRACT NO. 61E87	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**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**

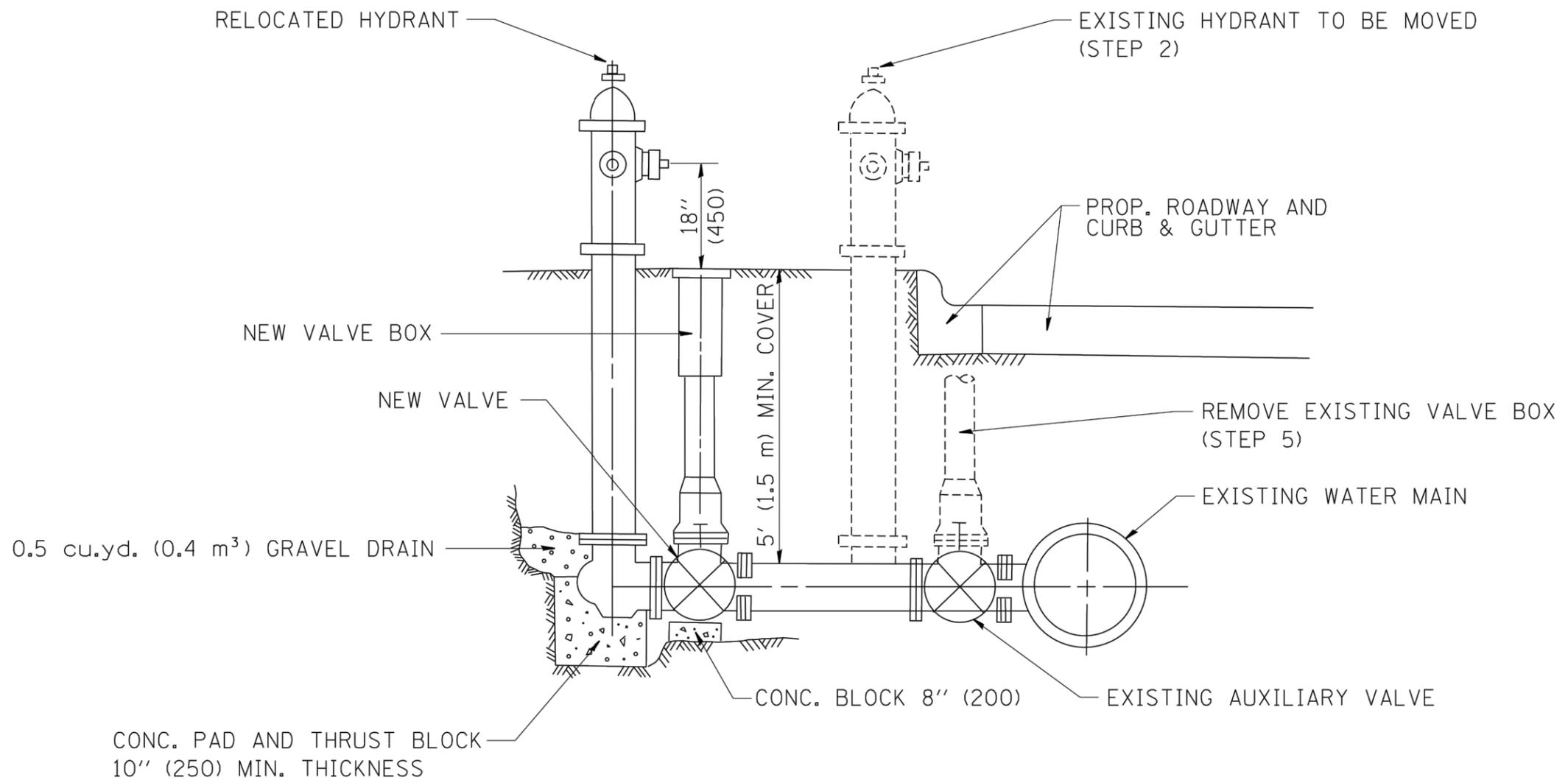
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME: \\DUPAGECO\140901.00 87th St & Woodward Ave Design\CA00\A-FINAL July 2021\140901 Dist 1 Details.dwg	USER NAME = bauerdl	DESIGNED - R. SHAH	REVISED - R. WIEDEMAN 05-14-04
		DRAWN -	REVISED - R. BORO 01-01-07
	PLOT SCALE = 1/648.5000' / m	CHECKED -	REVISED - R. BORO 03-09-11
	PLOT DATE = 04/25/2019	DATE - 10-25-94	REVISED - R. BORO 12-06-11

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING</b>			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3580	13-00253-01-CH	DuPage	177	139
<b>BD600-03 (BD-8)</b>		CONTRACT NO.	61E87	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



SEQUENCE OF CONSTRUCTION:

1. CLOSE EXISTING VALVE.
2. REMOVE EXISTING HYDRANT.
3. INSTALL HYDRANT EXTENSION AND NEW VALVE.
4. RELOCATE EXISTING HYDRANT.
5. OPEN EXISTING VALVE, REMOVE BOX.
6. BACKFILL.
7. FLUSH AND TEST FOR CHLORIDE RESIDUAL AND PROVIDE TEST.

ALL WORK TO BE DONE IN ACCORDANCE WITH ARTICLE 564 OF THE STANDARD SPECIFICATIONS. NEW VALVE AND BOX SHALL BE SAME MAKE AND MODEL AS EXISTING.

FIRE HYDRANT TO BE MOVED

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

FILE NAME: V:\DUPAGECO\140901.00 87th St & Woodward Ave Design\CADD\A-FINAL July 2021\140901 Dist 1 Details.dwg

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 PLOT DATE = 04/25/2019

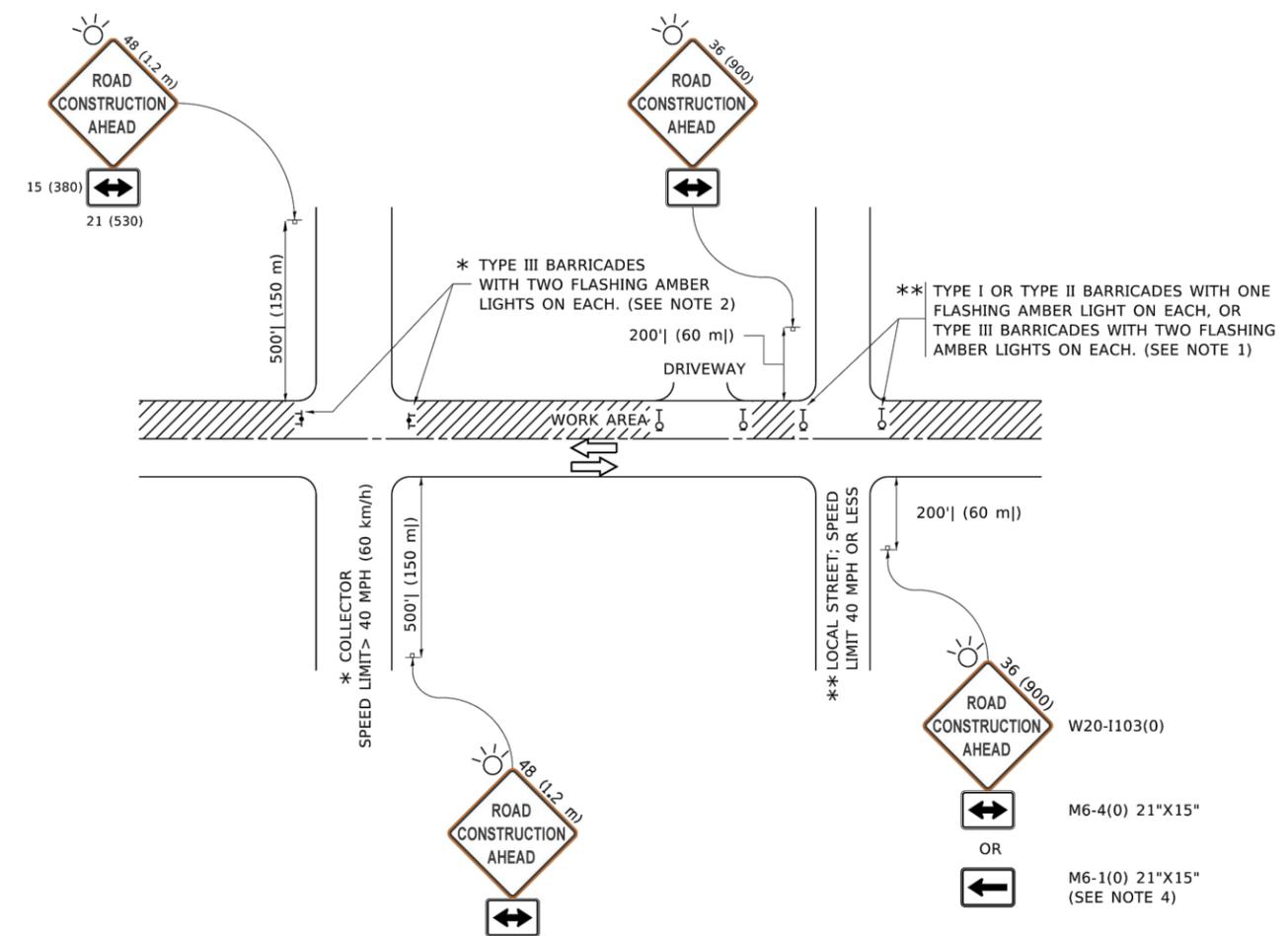
DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

REVISED - R. SHAH 09-09-94  
 REVISED - R. SHAH 10-25-94  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**FIRE HYDRANT TO BE MOVED**  
 SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3580	13-00253-01-CH	DuPage	177	140
<b>BD-36</b>			<b>CONTRACT NO. 61E87</b>	
<small>FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT</small>				

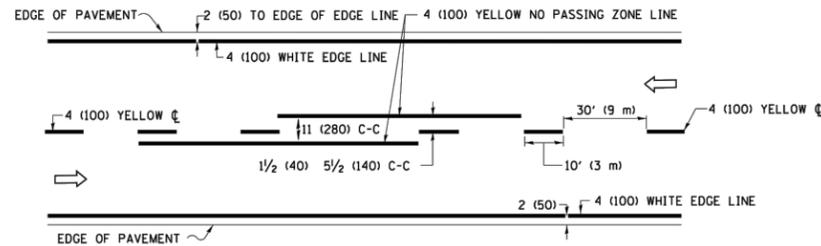


**NOTES:**

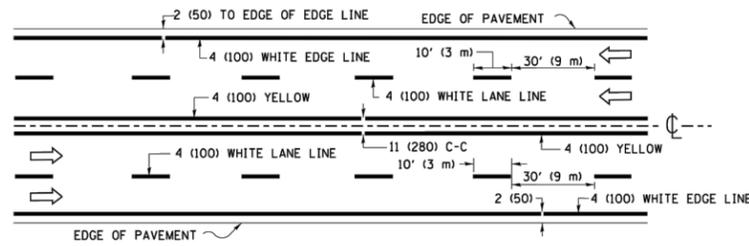
1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
  - b) THE CLOSED PORTION OF THE MAIN ROUTE 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. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
4. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

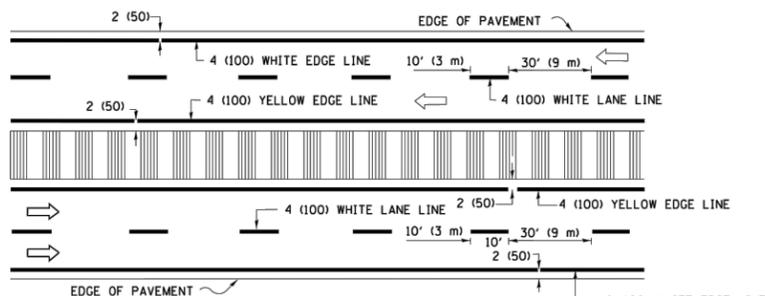
FILE NAME: Y:\DUPAGECO\140901.00 87th St & Woodward Ave Design\CADD\A-FINAL July 2021\140901 Dist 1 Details.dwg	USER NAME = footernj	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED - T. RAMMACHER 01-06-00		3580	13-00253-01-CH	DuPage	178	141			
PLOT DATE = 04/25/2019	DATE - 06-89	REVISED - A. SCHUETZE 07-01-13	REVISED - A. SCHUETZE 09-15-16	SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	<b>TC-10</b>		CONTRACT NO. 61E87			
										ILLINOIS FED. AID PROJECT		



**2-LANE ROADWAY**

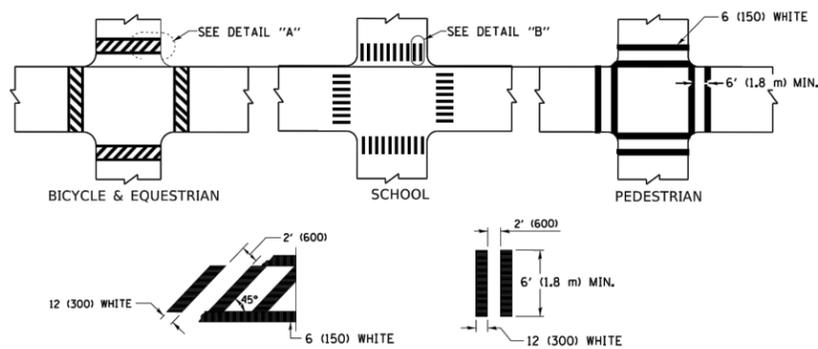


**MULTI-LANE UNDIVIDED**



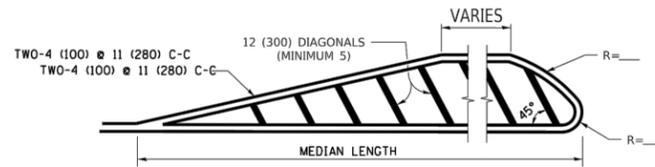
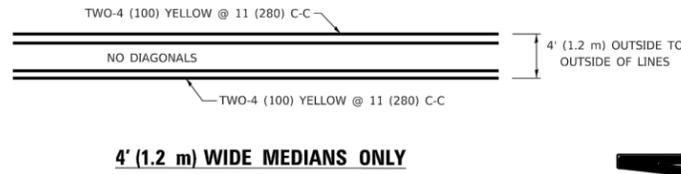
**MULTI-LANE DIVIDED WITH MEDIAN**

**TYPICAL LANE AND EDGE LINE MARKING**



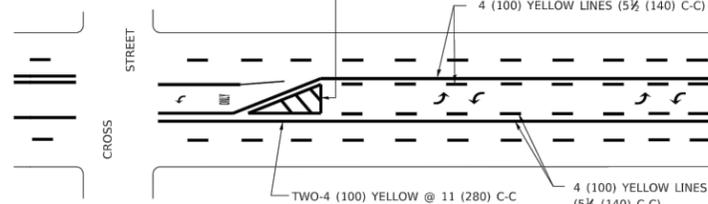
**TYPICAL CROSSWALK MARKING**

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

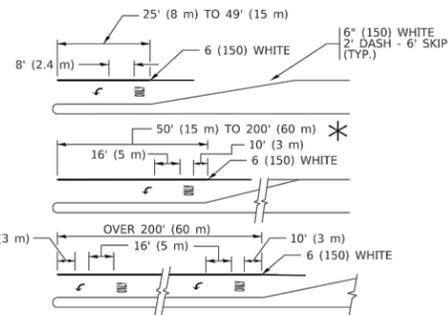


DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))  
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)  
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

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



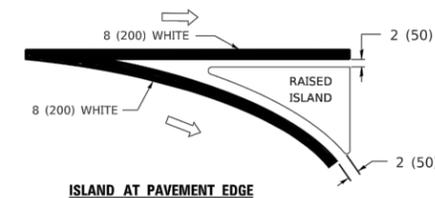
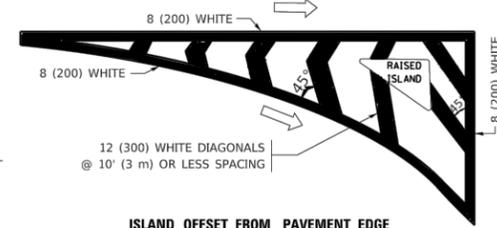
**MEDIAN WITH TWO-WAY LEFT TURN LANE**  
**TYPICAL PAINTED MEDIAN MARKING**



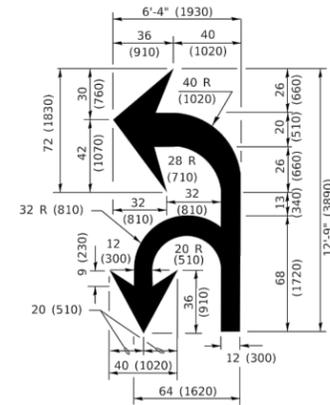
FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  
AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) ONLY AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)

\* 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\*.

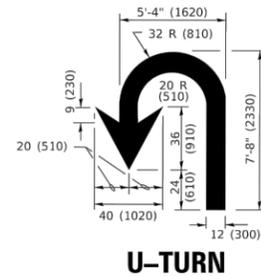
**TYPICAL LEFT (OR RIGHT) TURN LANE**  
**TYPICAL TURN LANE MARKING**



**TYPICAL ISLAND MARKING**



**COMBINATION LEFT AND U-TURN**



**LANE REDUCTION TRANSITION**

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

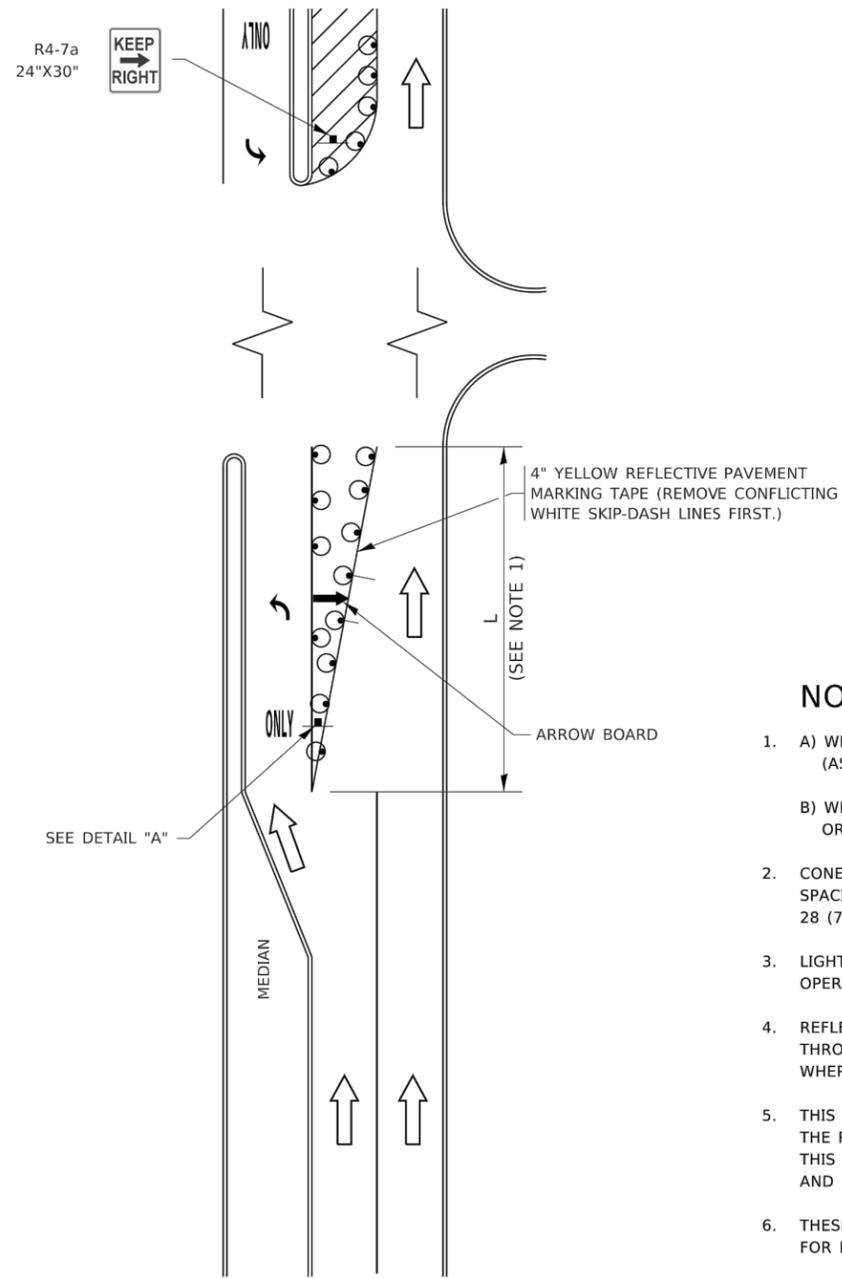
D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

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 780001 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 780001.

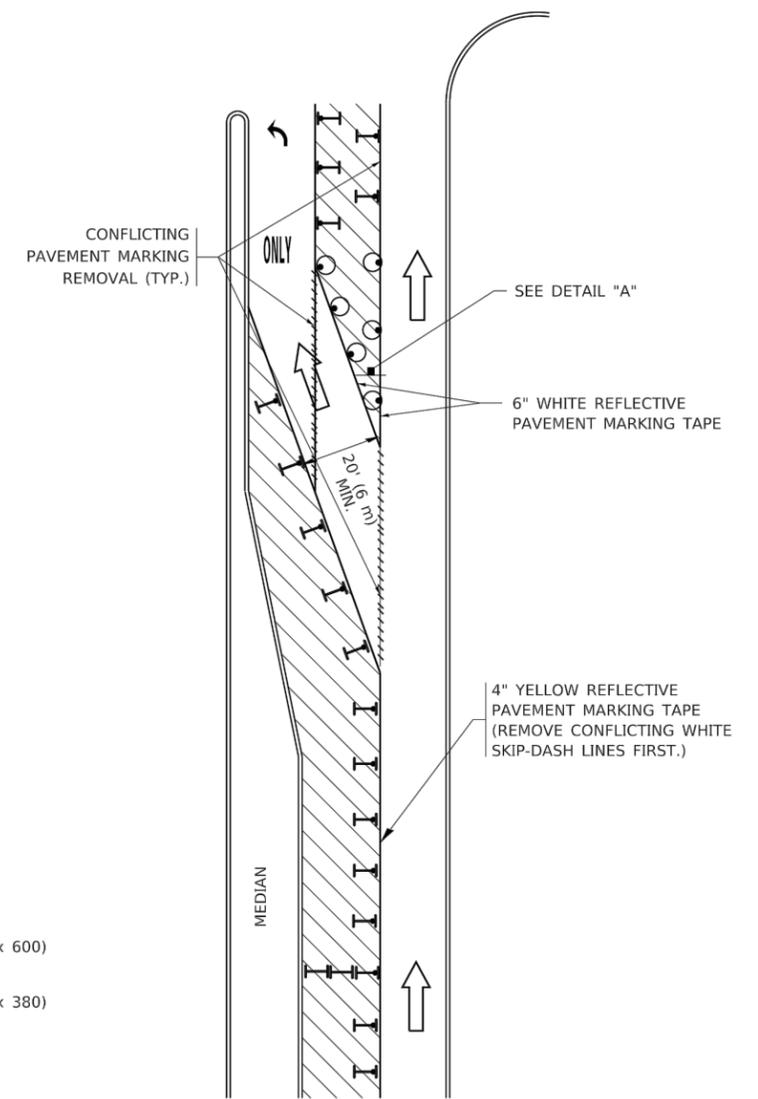
All dimensions are in inches (millimeters) unless otherwise shown.

# TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER



**FIGURE 1**

# TURN BAY ENTRANCE WITHIN A LANE CLOSURE



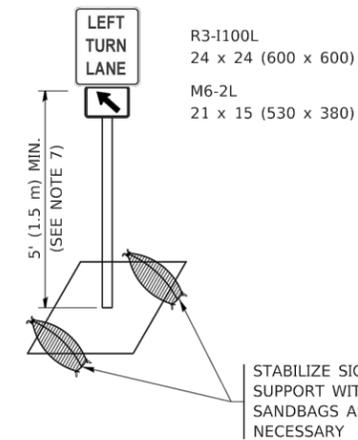
**FIGURE 2**

### LEGEND

- WORK AREA
- LANE OPEN TO TRAFFIC
- ARROW BOARD
- TYPE I OR II BARRICADE OR DRUM WITH STEADY BURN LIGHT
- DRUM WITH STEADY BURN LIGHT
- SIGN ASSEMBLY
- TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

### NOTES:

1. A) WHEN "L" IS  $\leq$  THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.  
B) WHEN "L" IS  $>$  THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-1100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH REQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.



**DETAIL A**

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

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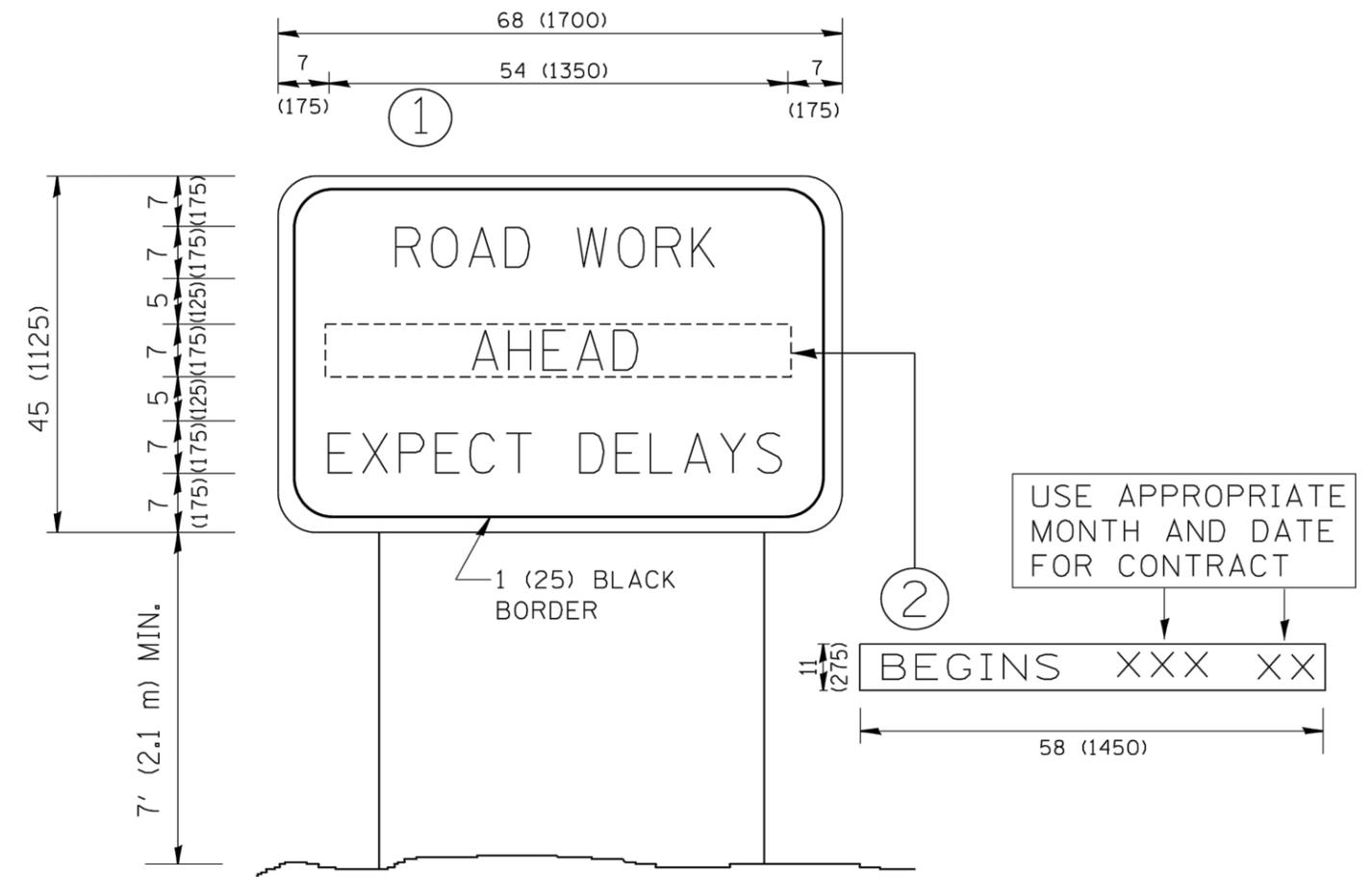
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DRAWN - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13
CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16
DATE - T. RAMMACHER 01-06-00	REVISED -

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TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

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TC-14			CONTRACT NO. 61E87	
ILLINOIS FED. AID PROJECT				





**NOTES:**

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

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

FILE NAME: Y:\DUPAGECO\140901.00 87th St & Woodward Ave Design\CADD\A-FINAL July 2021\140901 Dist 1 Details.dwg

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DESIGNED -

REVISED - R. MIRS 09-15-97

DRAWN -

REVISED - R. MIRS 12-11-97

PLOT SCALE = 50.000 "/ IN.

CHECKED -

REVISED - T. RAMMACHER 02-02-99

PLOT DATE = 04/25/2019

DATE -

REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD  
INFORMATION SIGN**

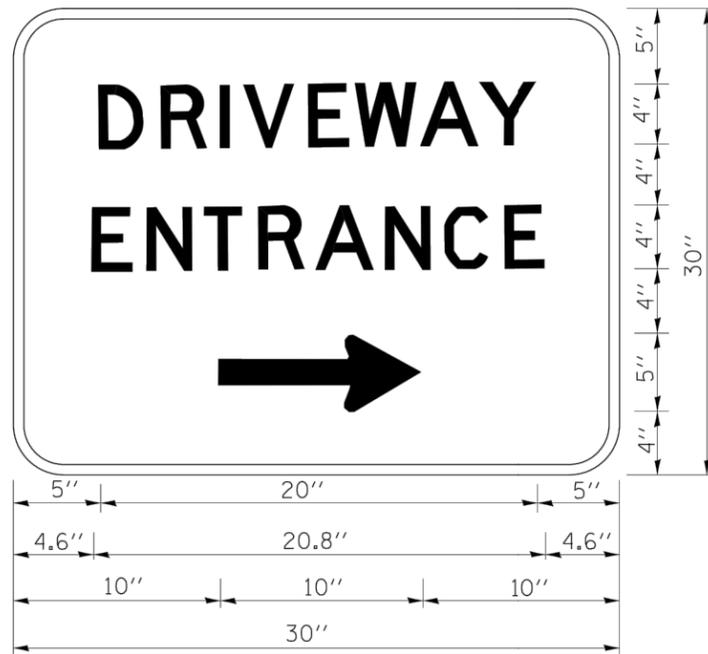
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SHEET NO. 1 OF 1 SHEETS

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TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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<small>FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT</small>				



3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED  
 "DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

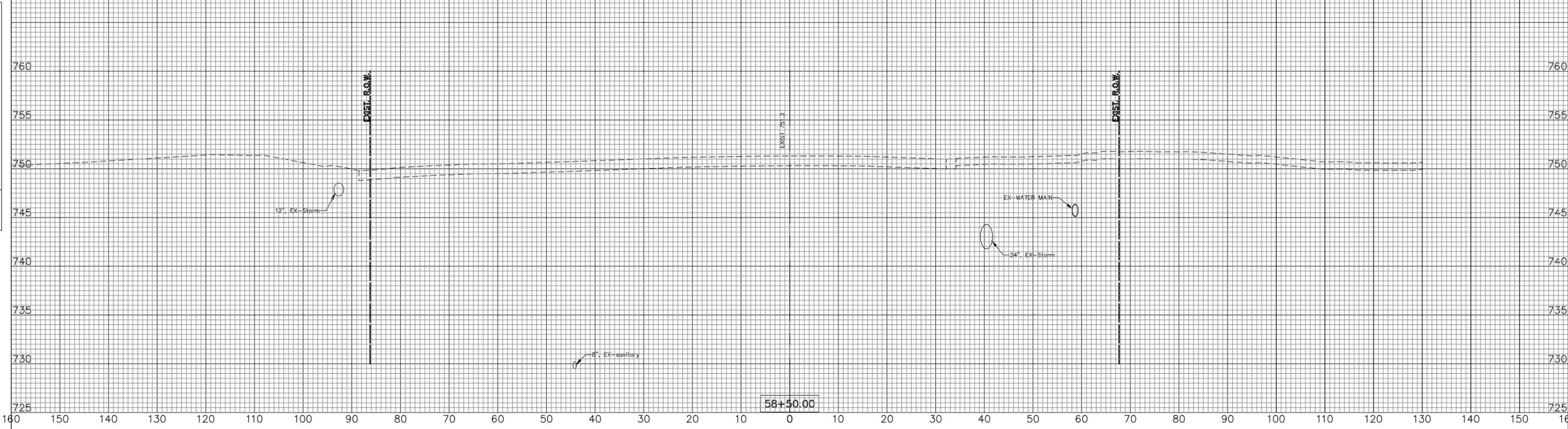
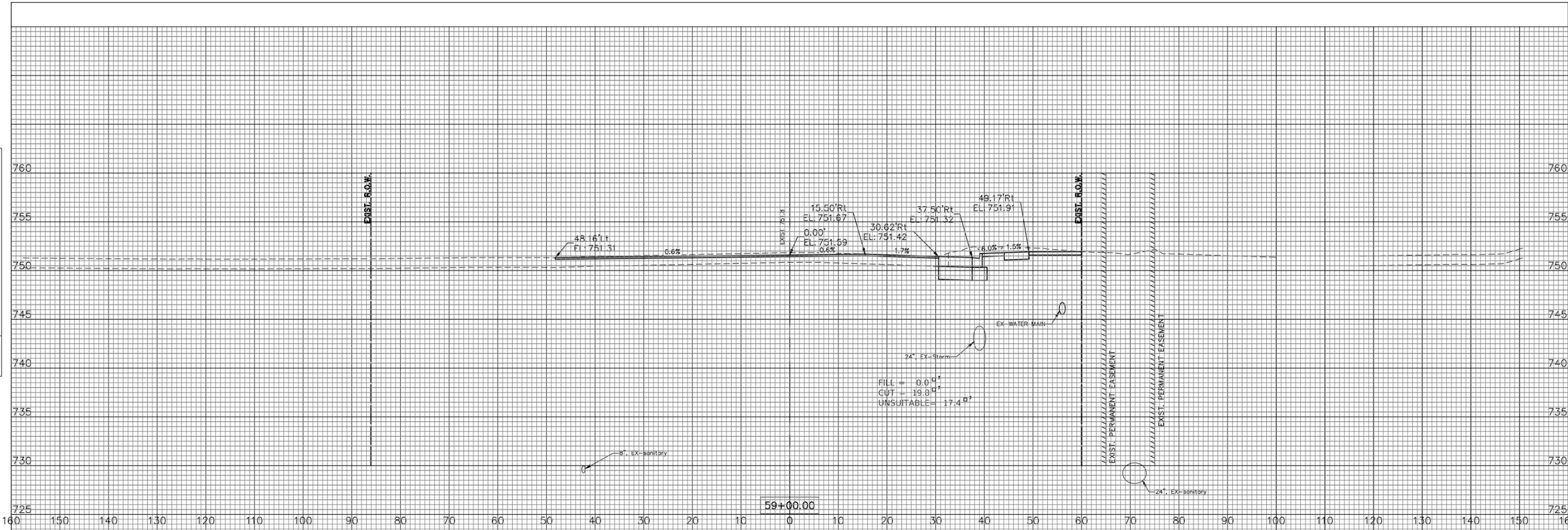
**NOTES:**

1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE PLACED BACK-TO-BACK; ONE WITH A RIGHT HAND ARROW (SHOWN) SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

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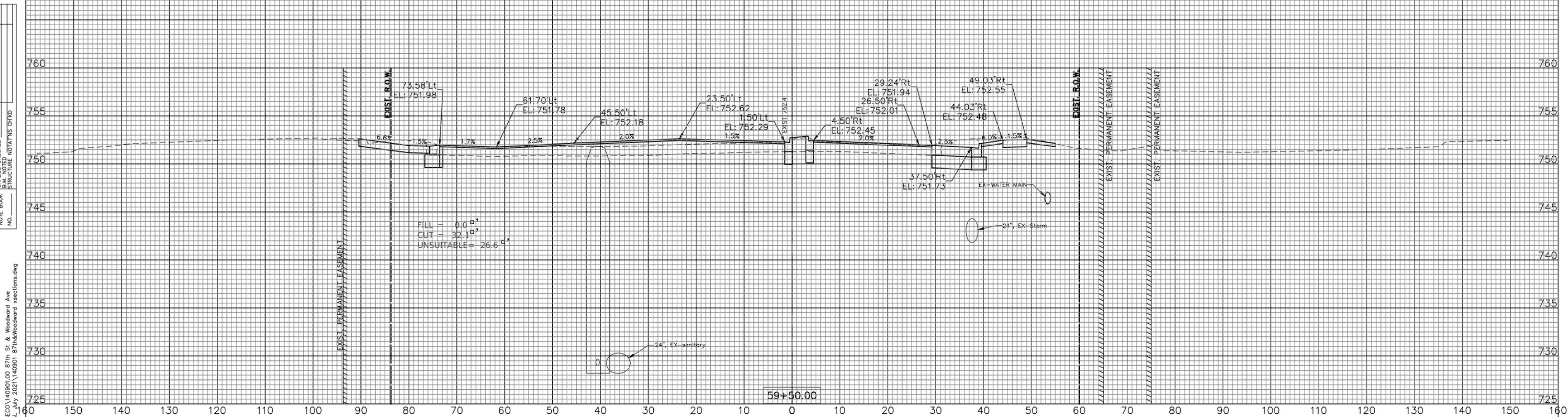
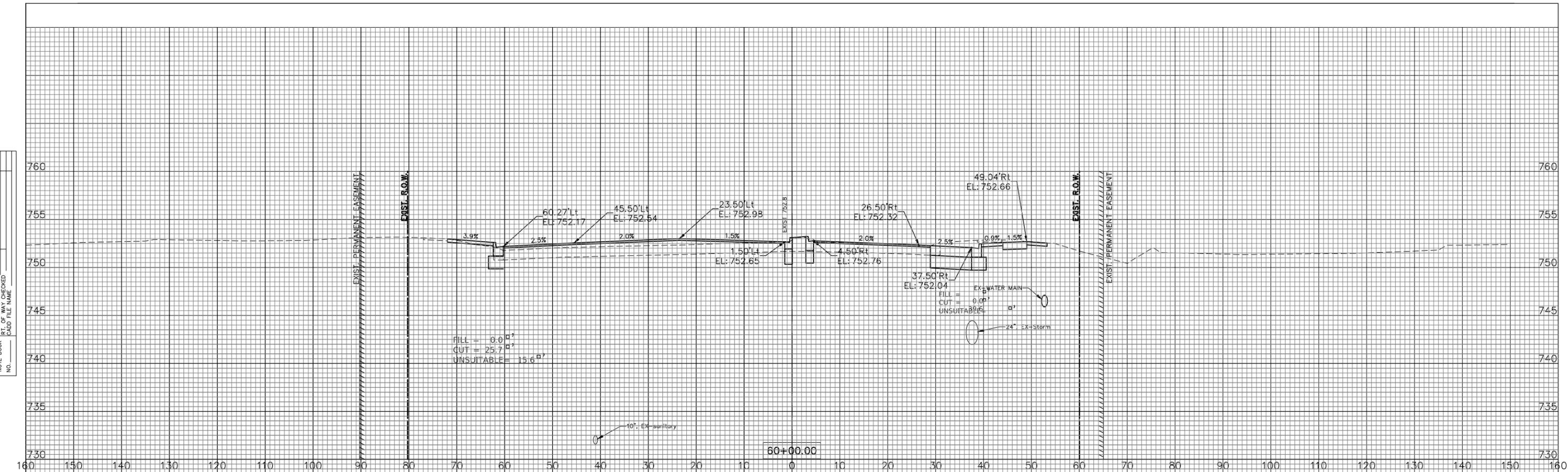
87th STREET  
 CROSS SECTIONS

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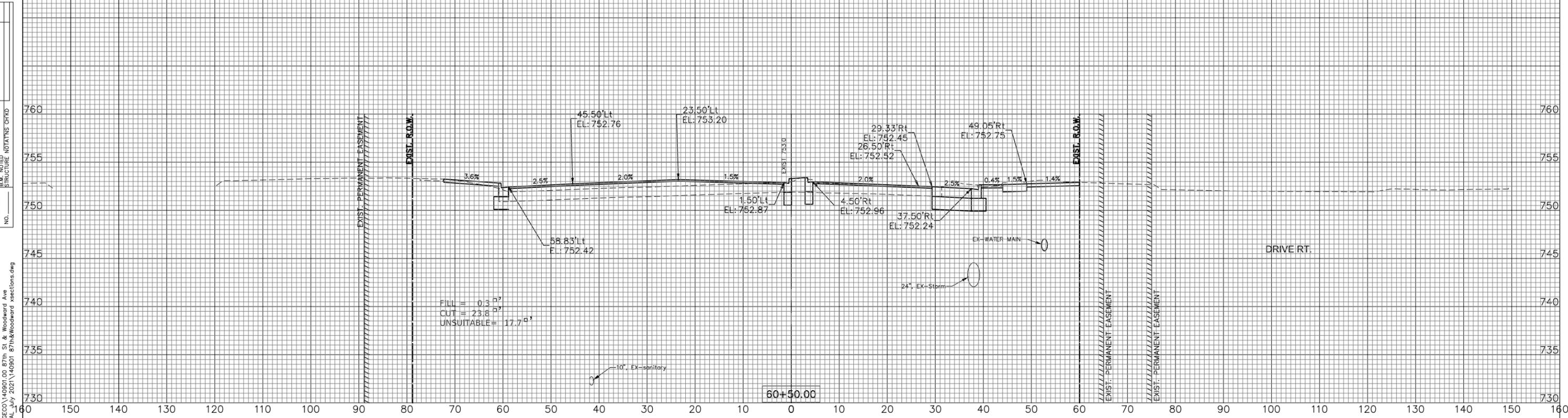
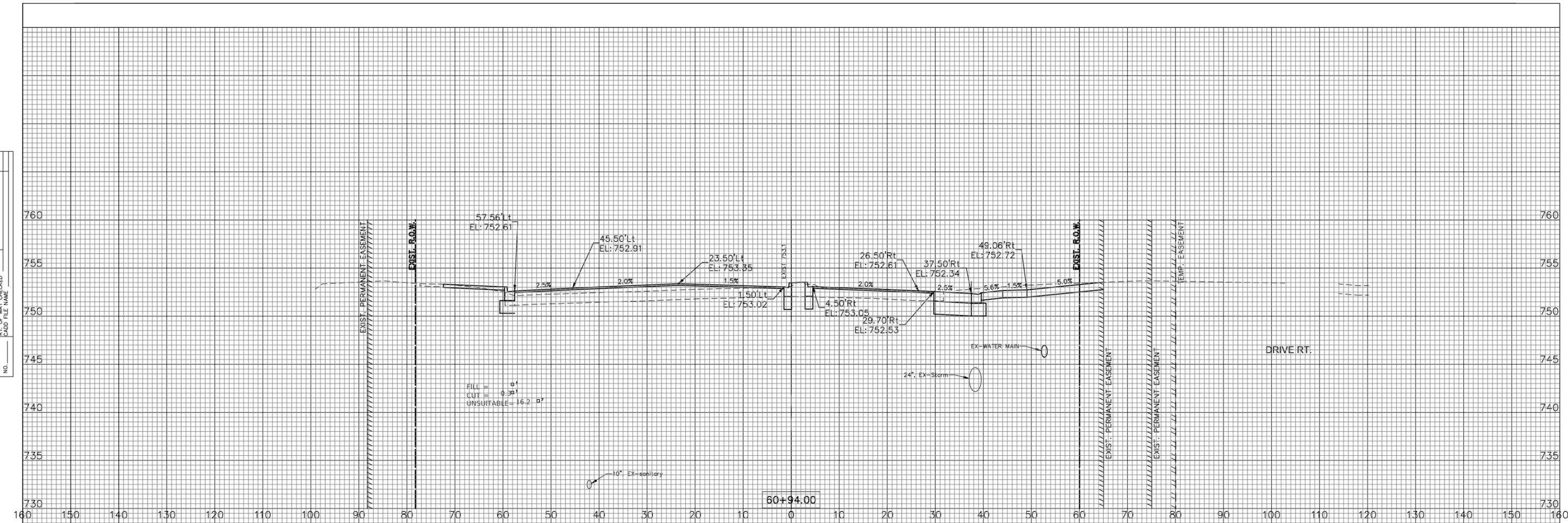
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87th STREET CROSS SECTIONS		
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**87th STREET CROSS SECTIONS**

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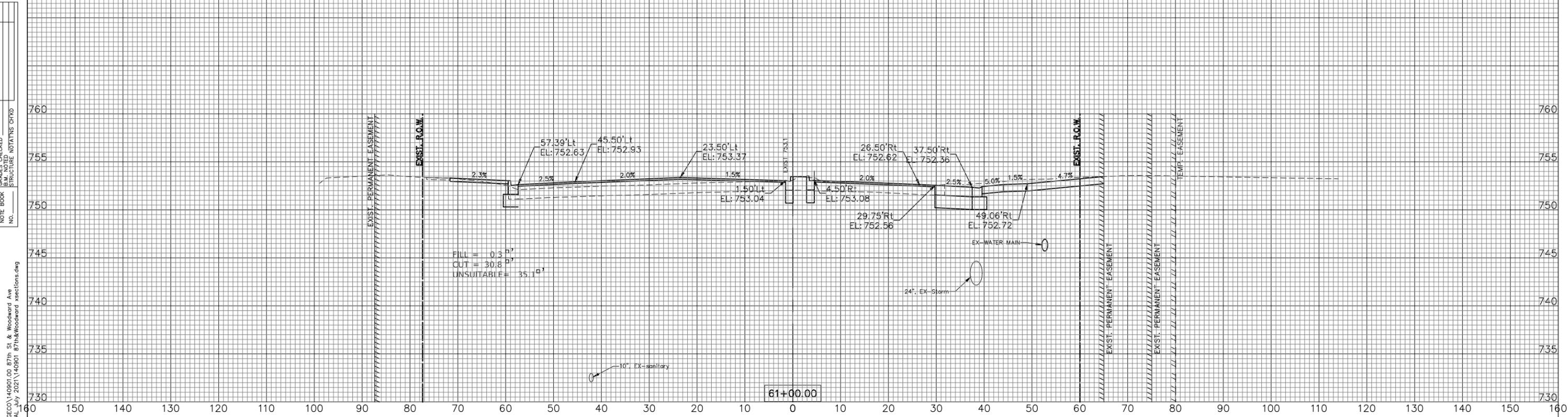
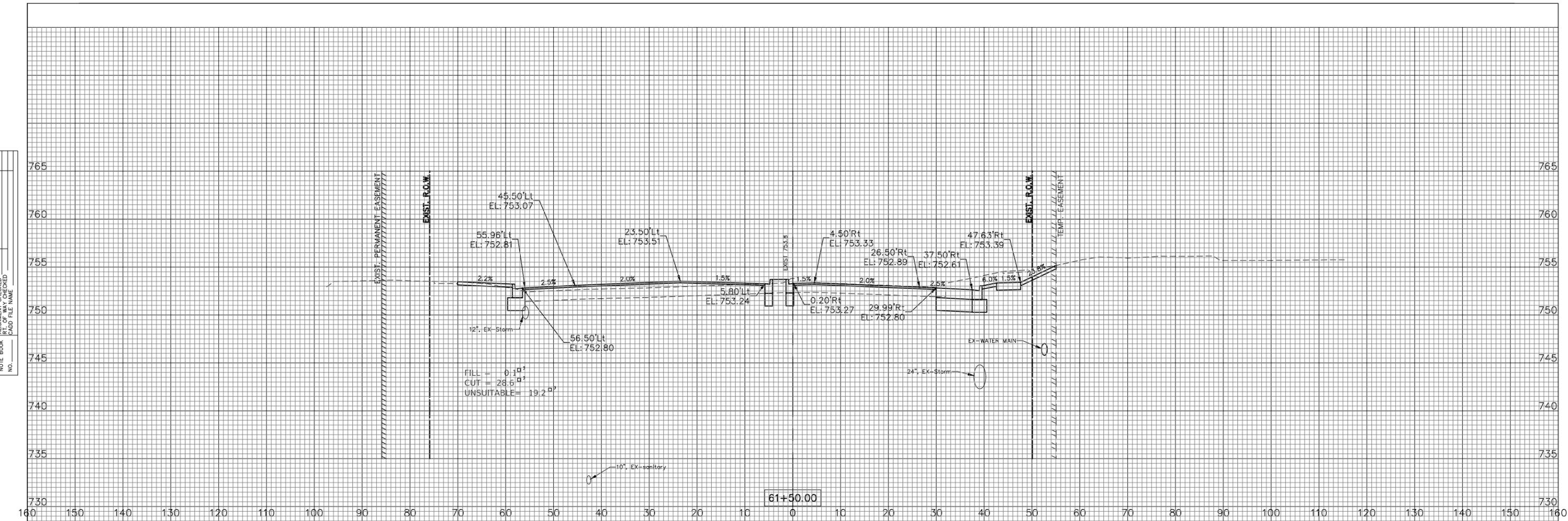
SHEET NO. 3 OF 31 SHEETS

STA. 60+50 TO STA. 60+70

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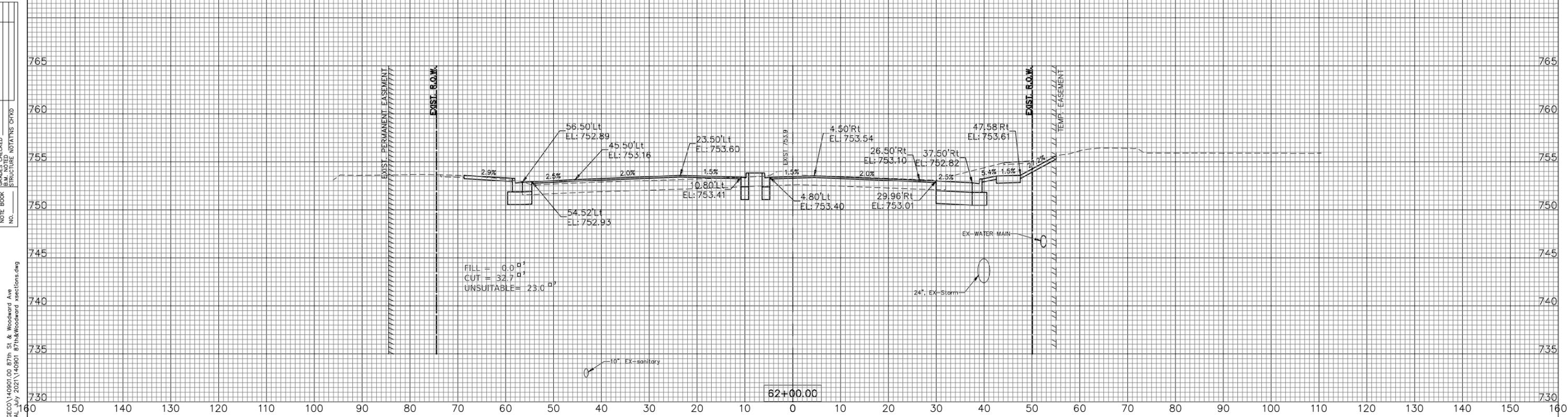
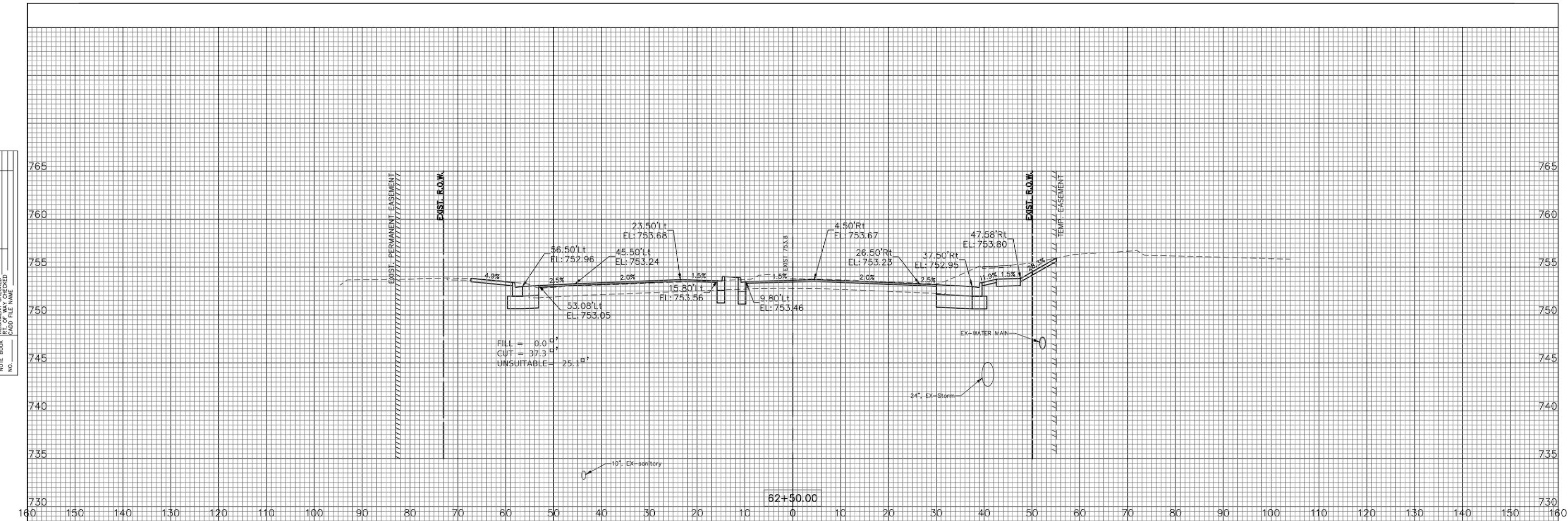
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STA. 61+00 TO STA. 61+50	

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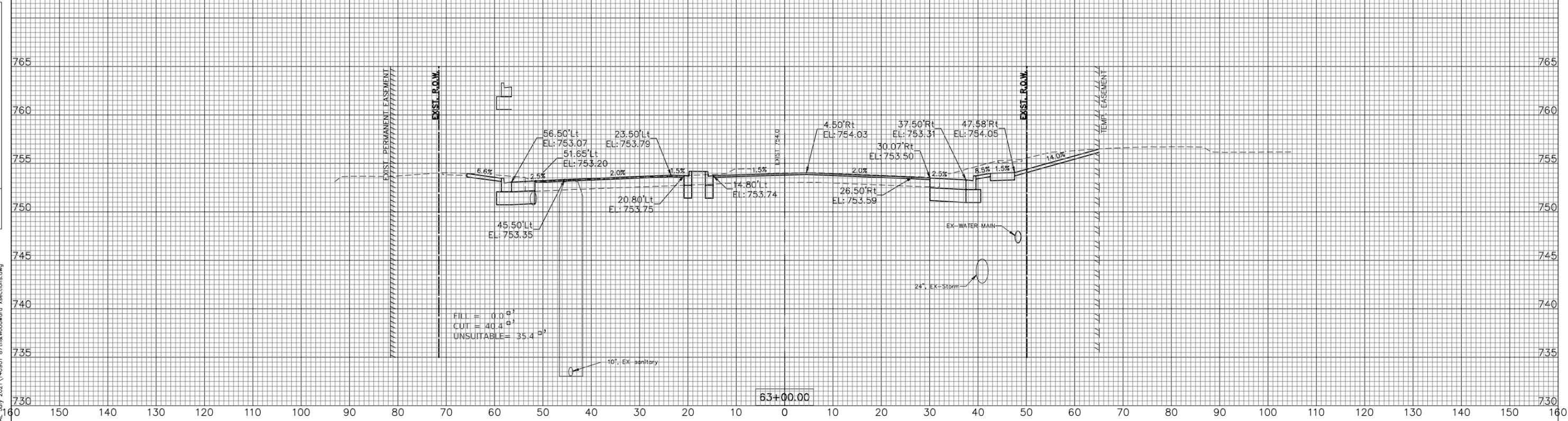
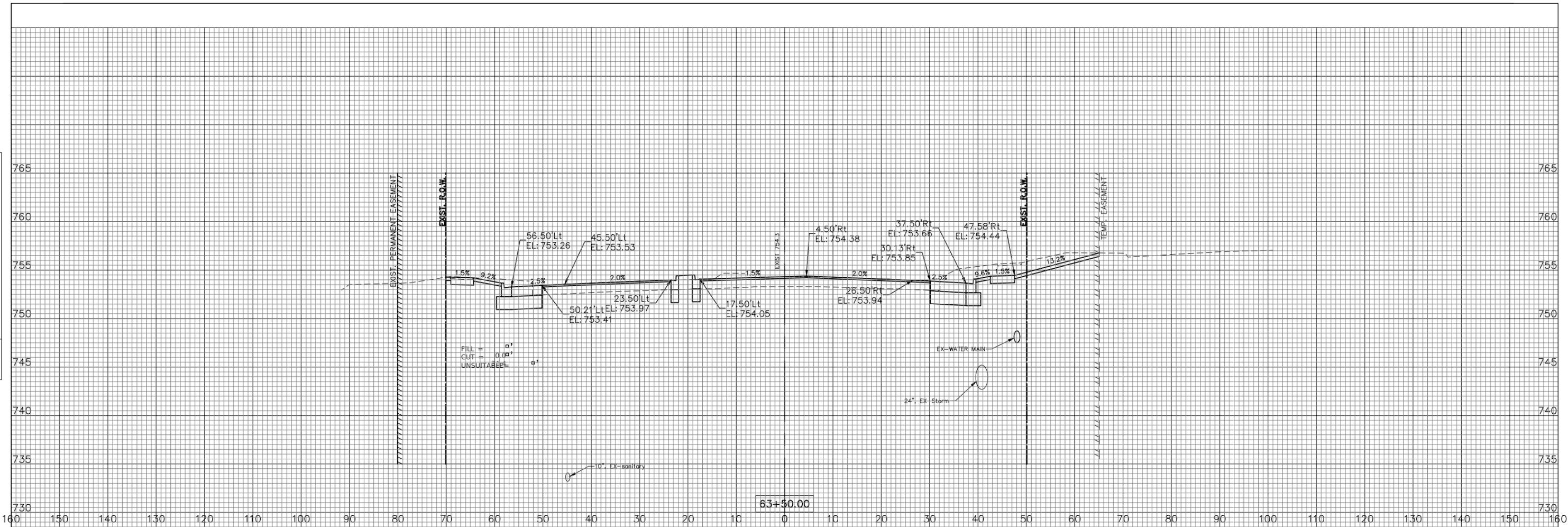
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 STA. 62+00 TO STA. 62+50

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87th STREET  
 CROSS SECTIONS

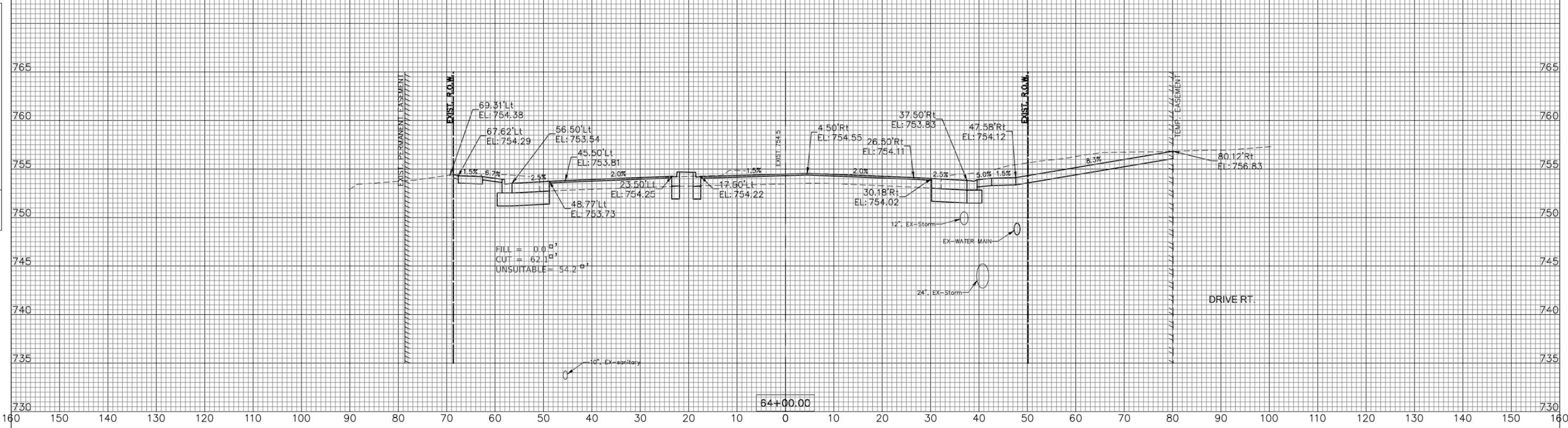
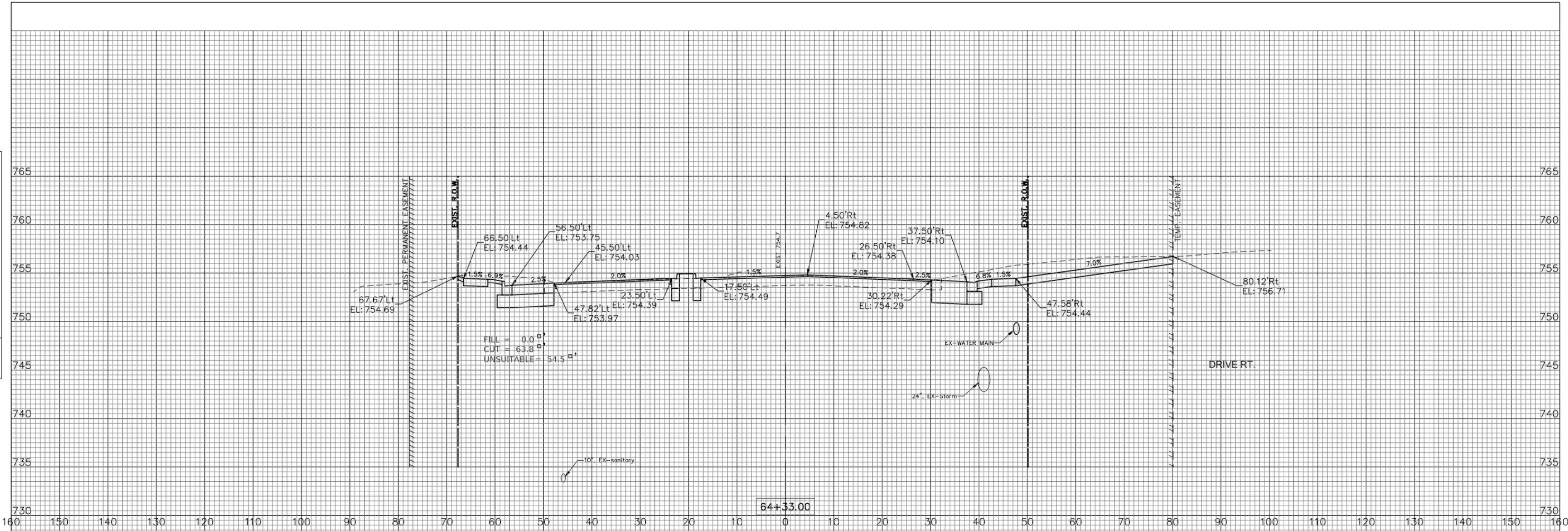
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FED. ROAD DIST. NO. — ILLINOIS FED. AID PROJECT				CONTRACT NO. 61E87

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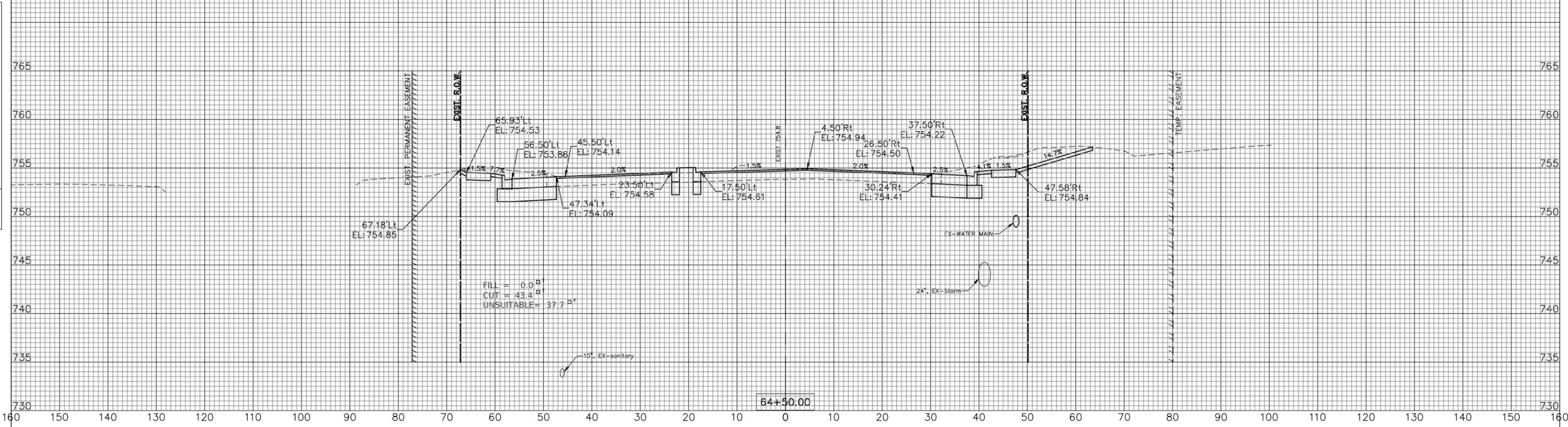
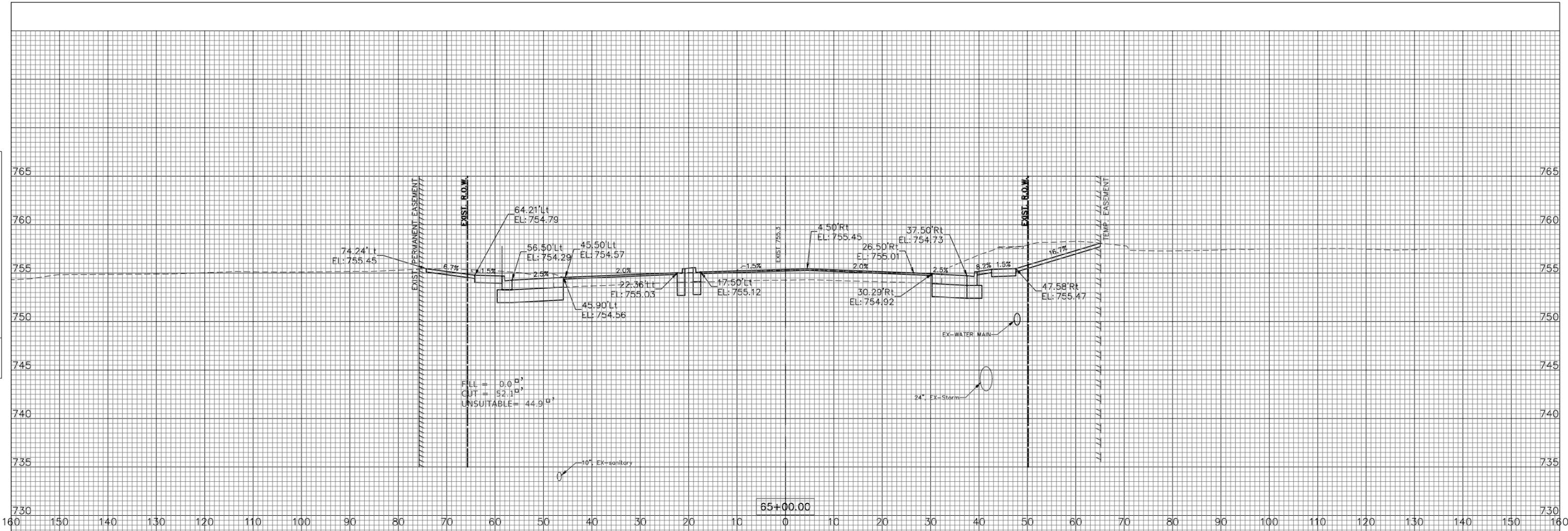
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CHECKED	-- BD
DATE	-- 04/25/19
PLOT SCALE	= \$SCALE\$
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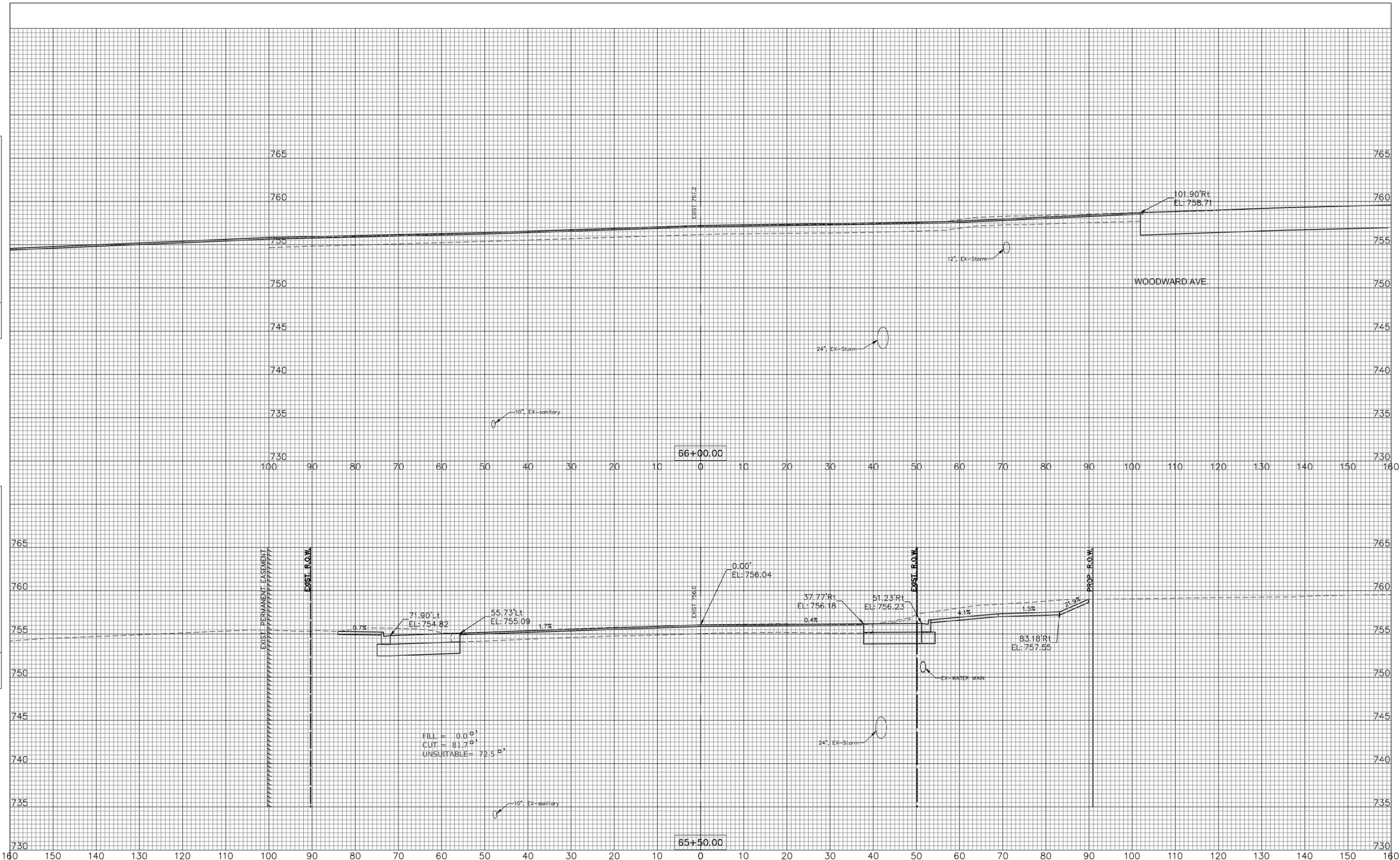
**87th STREET  
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3580	13-00253-01-CH	DuPage	177	154
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT			CONTRACT NO. 61E87	

PLAN	SURVEYED	BY	DATE
NO.	PLOTTED		
	RT. OF WAY		
	FILE NAME		

PROFILE	SURVEYED	BY	DATE
NO.	PLOTTED		
	RT. OF WAY		
	FILE NAME		



FILE NAME: V:\DUPAGE\140901.00 87th St & Woodward Ave  
 Design\CADD\A-FINAL July 2021\140901 87th&Woodward  
 sections.dwg



USER NAME = rtonner	DESIGNED — PK	REVISED — 08/13/2021
	DRAWN — RT	REVISED — 11/03/2021
PLOT SCALE = \$SCALE\$	CHECKED — BD	REVISED — 12/02/2021
PLOT DATE = 12/2/2021	DATE — 04/25/19	REVISED — ---

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

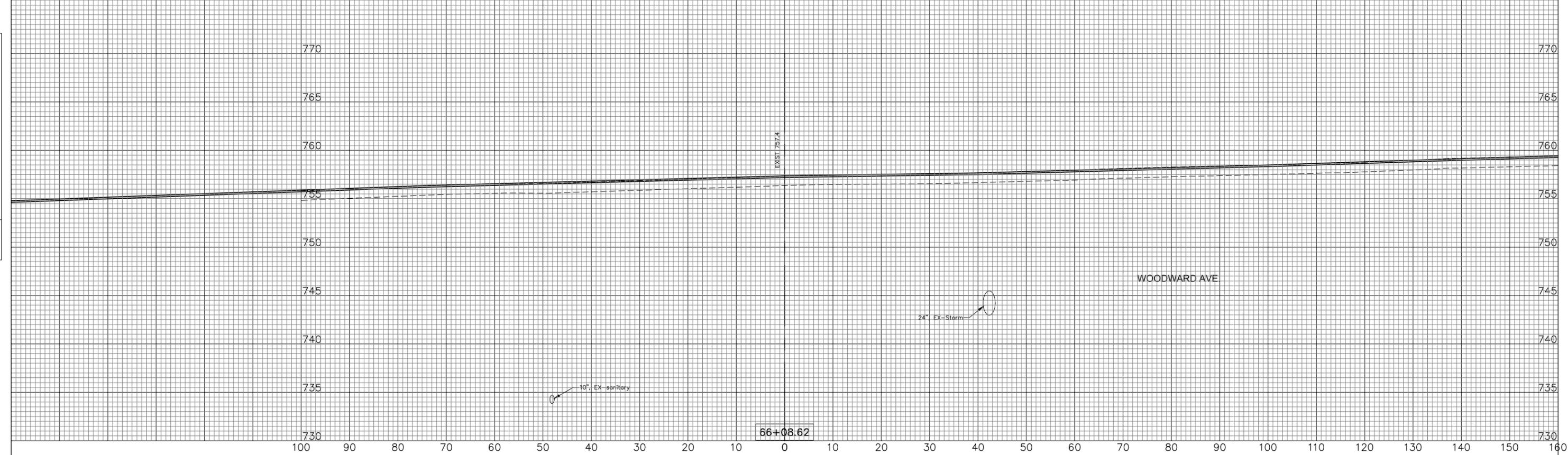
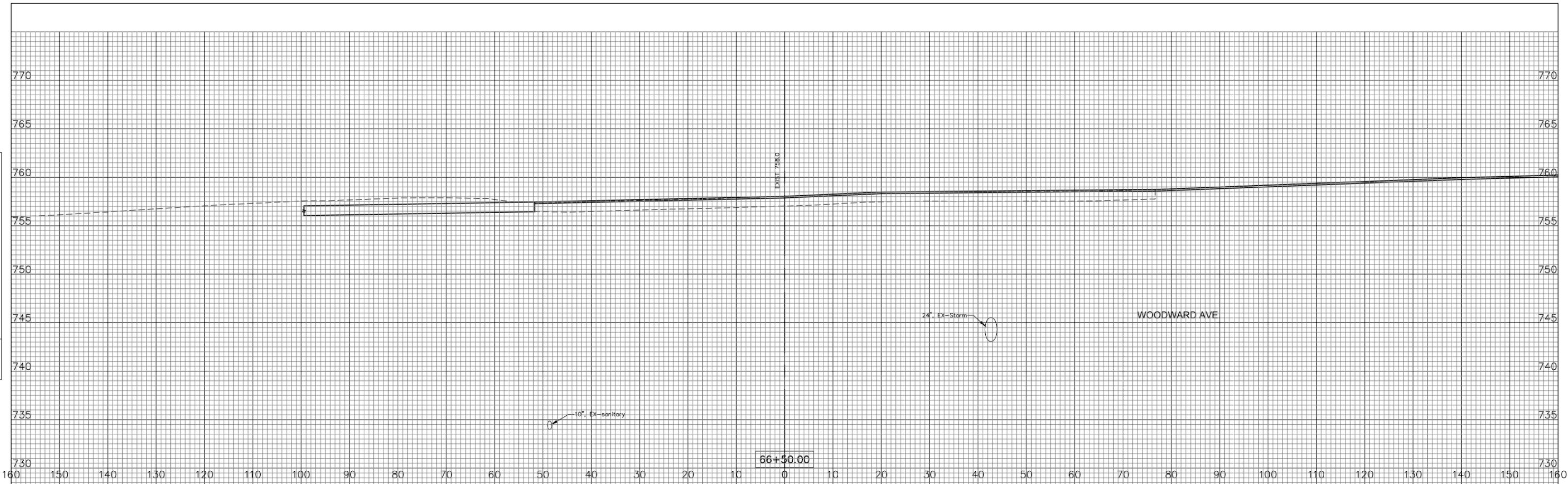
87th STREET  
 CROSS SECTIONS  
 SCALE: 1"=10'H; 1"=5'V SHEET NO. 9 OF 31 SHEETS STA. 65+50 TO STA. 66+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3580	13-00253-01-CH	DuPage	177	155
FED. ROAD DIST. NO. — ILLINOIS FED. AID PROJECT			CONTRACT NO. 61E87	

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

PROFILE	SURVEYED	BY	DATE
NO.	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS OK'D		
	NOTE BOOK		
	NO.		
	DATE		

FILE NAME: V:\DUPAGE\140901.00 87th St & Woodward Ave  
 Design\CADD\A-FINAL July 2021\140901 87th&Woodward  
 sections.dwg



USER NAME = rtanner	DESIGNED — PK	REVISED — 08/13/2021
	DRAWN — RT	REVISED — 11/03/2021
PLOT SCALE = \$SCALE\$	CHECKED — BD	REVISED — 12/02/2021
PLOT DATE = 12/2/2021	DATE — 04/25/19	REVISED — ---

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

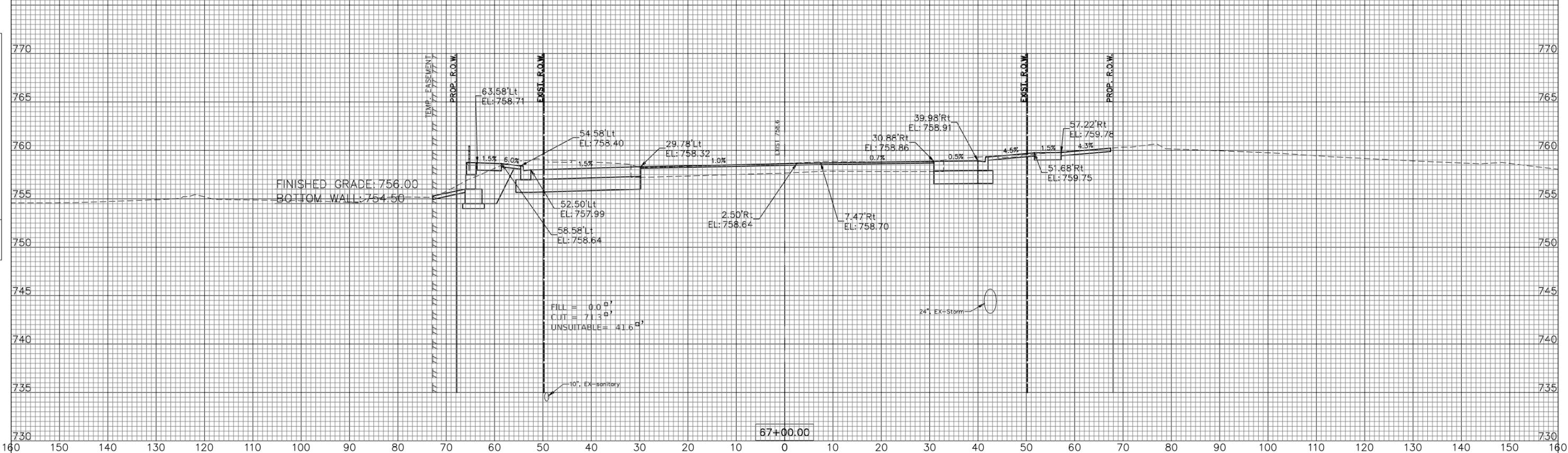
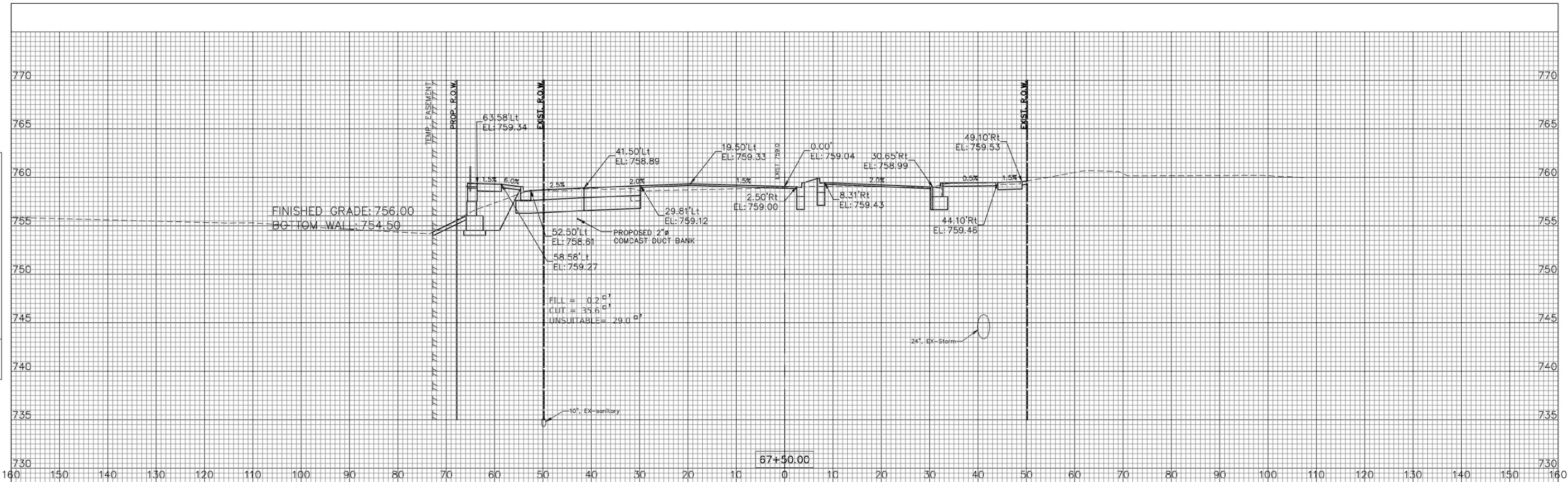
87th STREET CROSS SECTIONS		
SCALE: 1"=10'H; 1"=5'V	SHEET NO. 10 OF 31 SHEETS	STA. 66+08.62 TO STA. 66+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3580	13-00253-01-CH	DuPage	177	156
CONTRACT NO. 61E87				
FED. ROAD DIST. NO. — ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	RT OF WAY CHECKED		
	NO. _____		
	DATE FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS OK'D		
	NO. _____		
	DATE		

FILE NAME: V:\DUPAGE\140901.00 87th St & Woodward Ave  
 Design\CADD\A-FINAL July 2021\140901 87th&Woodward  
 sections.dwg



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

USER NAME	= rtonner
DESIGNED	— PK
DRAWN	— RT
CHECKED	— BD
DATE	— 04/25/19
PLOT SCALE	= \$SCALE\$
PLOT DATE	= 12/2/2021

DESIGNED	— PK	REVISED	— 12/02/2020
DRAWN	— RT	REVISED	— 08/13/2021
CHECKED	— BD	REVISED	— 11/03/2021
DATE	— 04/25/19	REVISED	— 12/02/2021

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

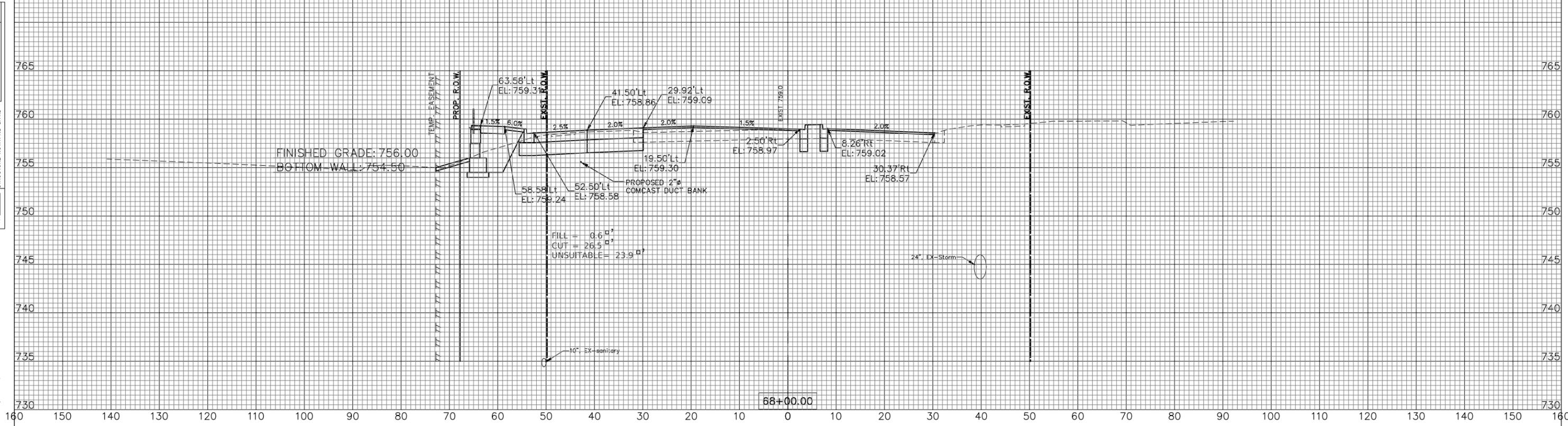
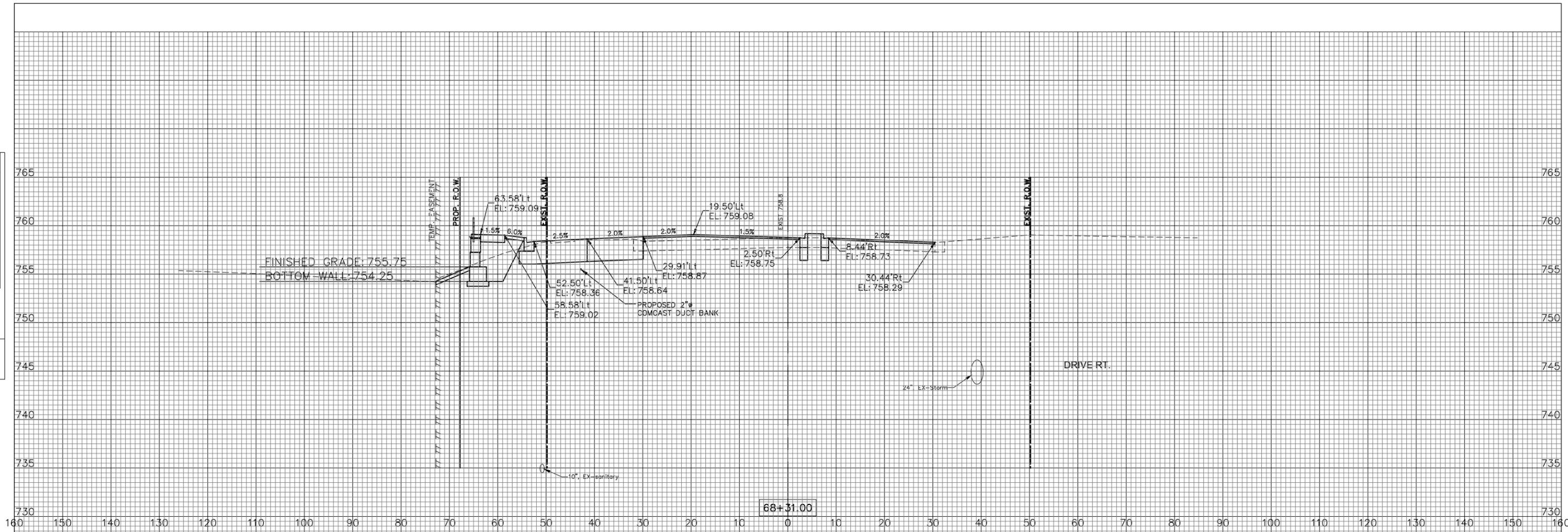
**87th STREET CROSS SECTIONS**

SCALE: 1"=10'H; 1"=5'V SHEET NO. 11 OF 31 SHEETS STA. 67+00 TO STA. 67+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3580	13-00253-01-CH	DuPage	177	157
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT			CONTRACT NO. 61E87	

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	RT. OF WAY CHECKED		
	NO. _____		
	DATE FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS OK'D		
	NO. _____		
	DATE		



FILE NAME: V:\DUPAGE\140901.00 87th St & Woodward Ave  
 Design\CADD\A-FINAL July 2021\140901 87th&Woodward  
 sections.dwg



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

USER NAME = rtonner	DESIGNED — PK	REVISED — 08/13/2021
	DRAWN — RT	REVISED — 11/03/2021
PLOT SCALE = \$SCALE\$	CHECKED — BD	REVISED — 12/02/2021
PLOT DATE = 12/2/2021	DATE — 04/25/19	REVISED —

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

87th STREET  
 CROSS SECTIONS

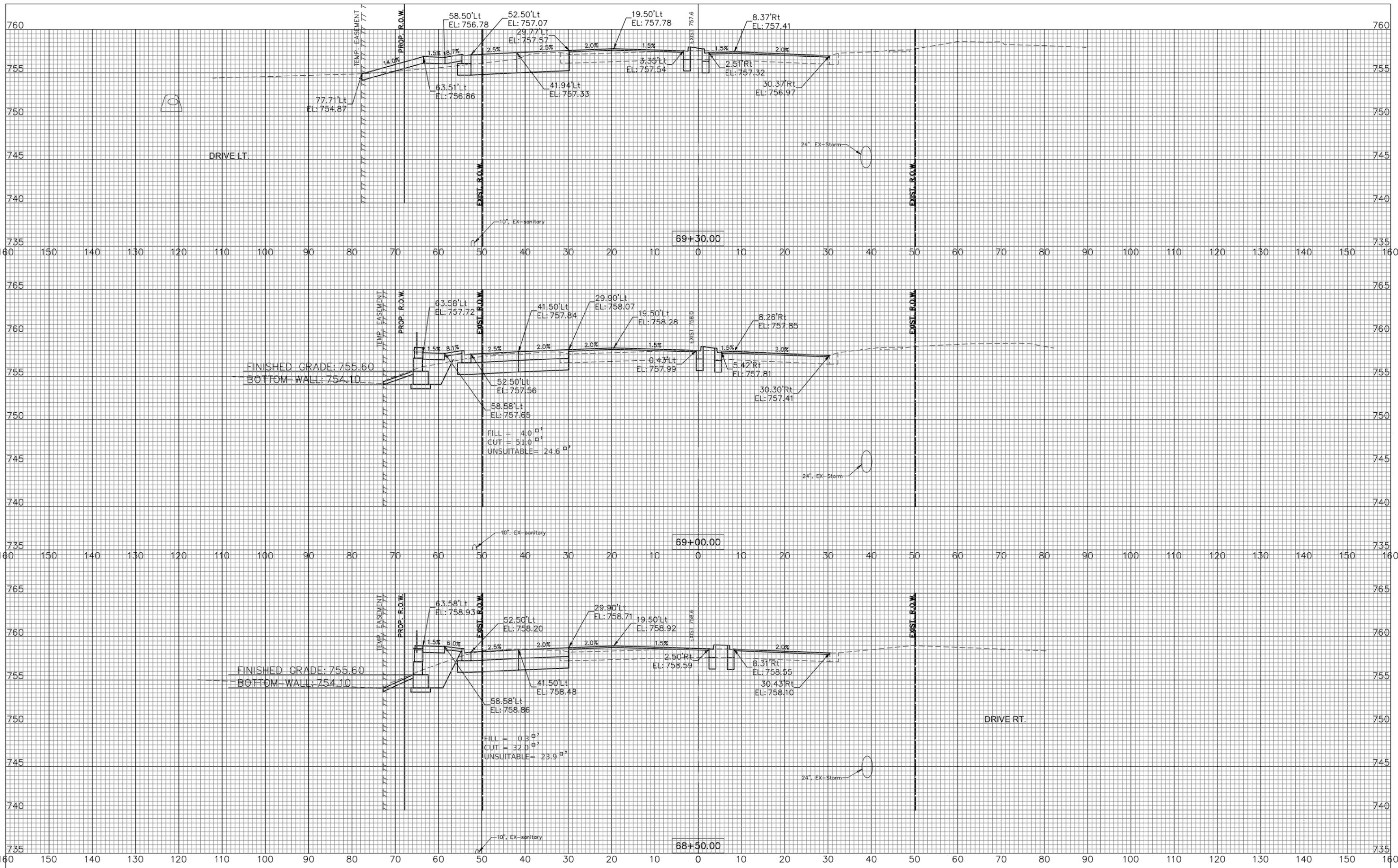
SCALE: 1"=10'H; 1"=5'V SHEET NO. 12 OF 31 SHEETS STA. 68+00 TO STA. 68+31

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3580	13-00253-01-CH	DuPage	177	158
FED. ROAD DIST. NO. — ILLINOIS FED. AID PROJECT			CONTRACT NO. 61E87	

PLAN	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	RT OF WAY CHECKED	
	NO. _____	DATE FILE NAME

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

FILE NAME: V:\DUPAGE\140901.00 87th St & Woodward Ave  
 Design\CADD\A-FINAL July 2021\140901 87th&Woodward  
 sections.dwg



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

DESIGNED —	PK	REVISED —	08/13/2021
DRAWN —	RT	REVISED —	11/03/2021
CHECKED —	BD	REVISED —	12/02/2021
DATE —	04/25/19	REVISED —	---

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

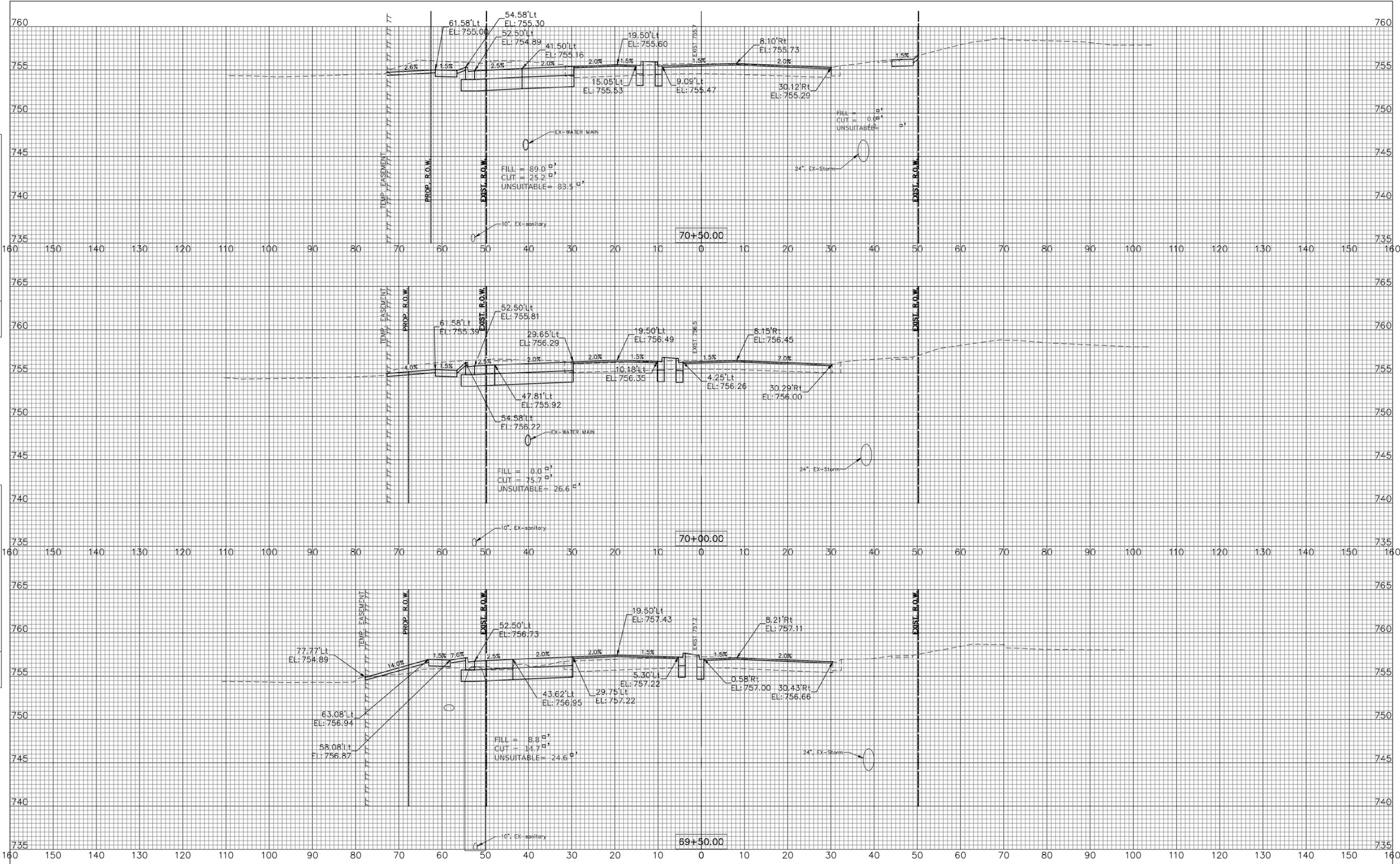
**87th STREET CROSS SECTIONS**  
 SCALE: 1"=10'H; 1"=5'V SHEET NO. 13 OF 31 SHEETS STA. 68+50 TO STA. 69+30

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3580	13-00253-01-CH	DuPage	177	159
FED. ROAD DIST. NO. — ILLINOIS FED. AID PROJECT				CONTRACT NO. 61E87

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

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

FILE NAME: V:\DUPAGE\140901.00 87th St & Woodward Ave  
 Design\CADD\A-FINAL July 2021\140901 87th&Woodward  
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

87th STREET  
 CROSS SECTIONS



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

DESIGNED —	PK	REVISED —	08/13/2021
DRAWN —	RT	REVISED —	11/03/2021
CHECKED —	BD	REVISED —	12/02/2021
DATE —	04/25/19	REVISED —	---

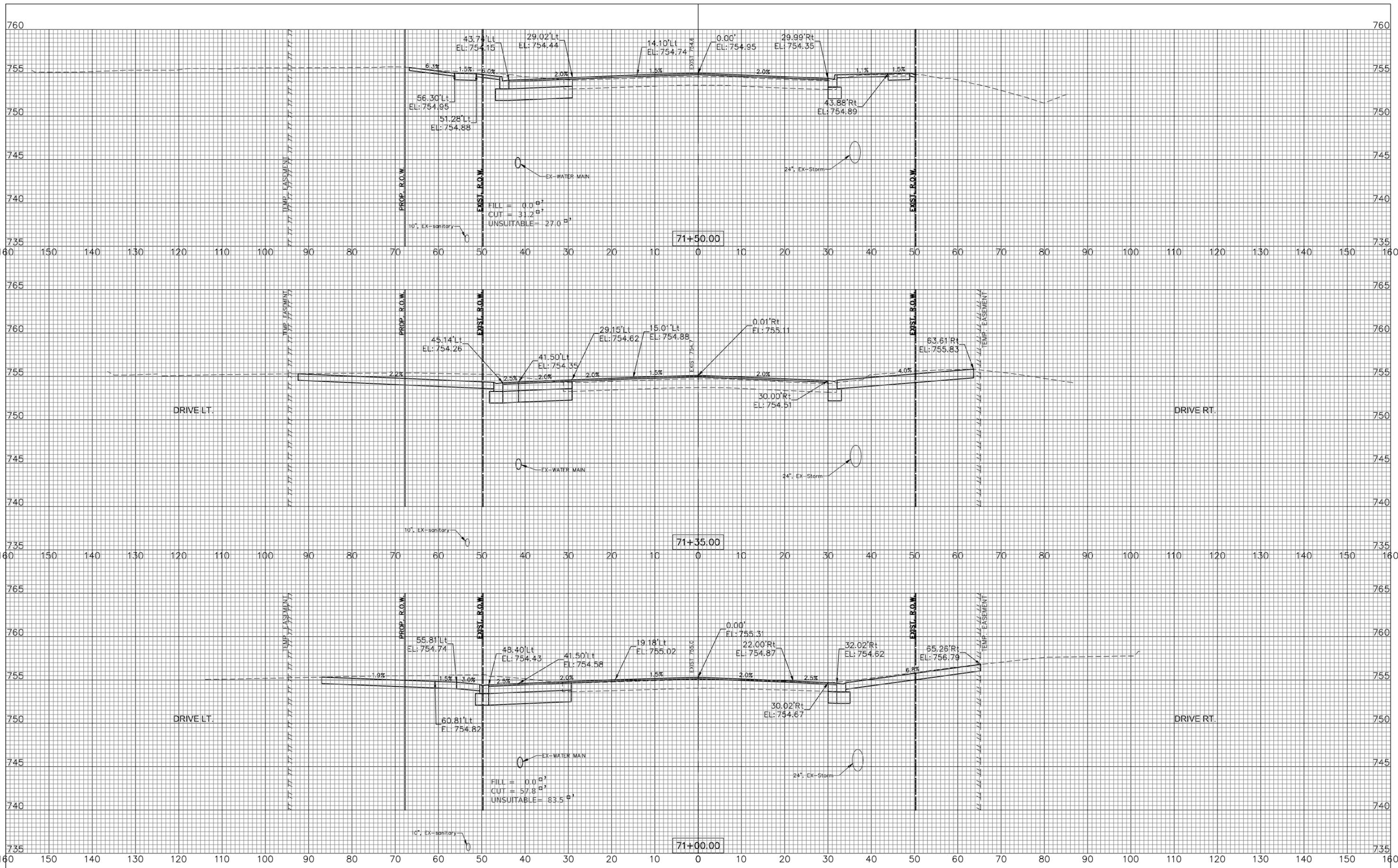
SCALE: 1"=10'H; 1"=5'V SHEET NO. 14 OF 31 SHEETS STA. 69+50 TO STA. 70+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3580	13-00253-01-CH	DuPage	177	160
FED. ROAD DIST. NO. — ILLINOIS FED. AID PROJECT			CONTRACT NO. 61E87	

PLAN	SURVEYED	DATE
NO.	PLOTTED	
	GRADES CHECKED	
	RT. OF WAY CHECKED	
	DAOD FILE NAME	

PROFILE	SURVEYED	DATE
NO.	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS OK'D	

FILE NAME: V:\DUPAGE\140901.00 87th St & Woodward Ave  
 Design\CADD\A-FINAL July 2021\140901 87th&Woodward  
 sections.dwg



ENGINEERING RESOURCE ASSOCIATES, INC.	USER NAME = rtonner	DESIGNED — PK	REVISED — 08/13/2021
CONSULTING ENGINEERS, SCIENTISTS & SURVEYORS		DRAWN — RT	REVISED — 11/03/2021
		CHECKED — BD	REVISED — 12/02/2021
		DATE — 04/25/19	REVISED —

PLOT SCALE = \$SCALE\$	
PLOT DATE = 12/2/2021	

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

87th STREET  
 CROSS SECTIONS

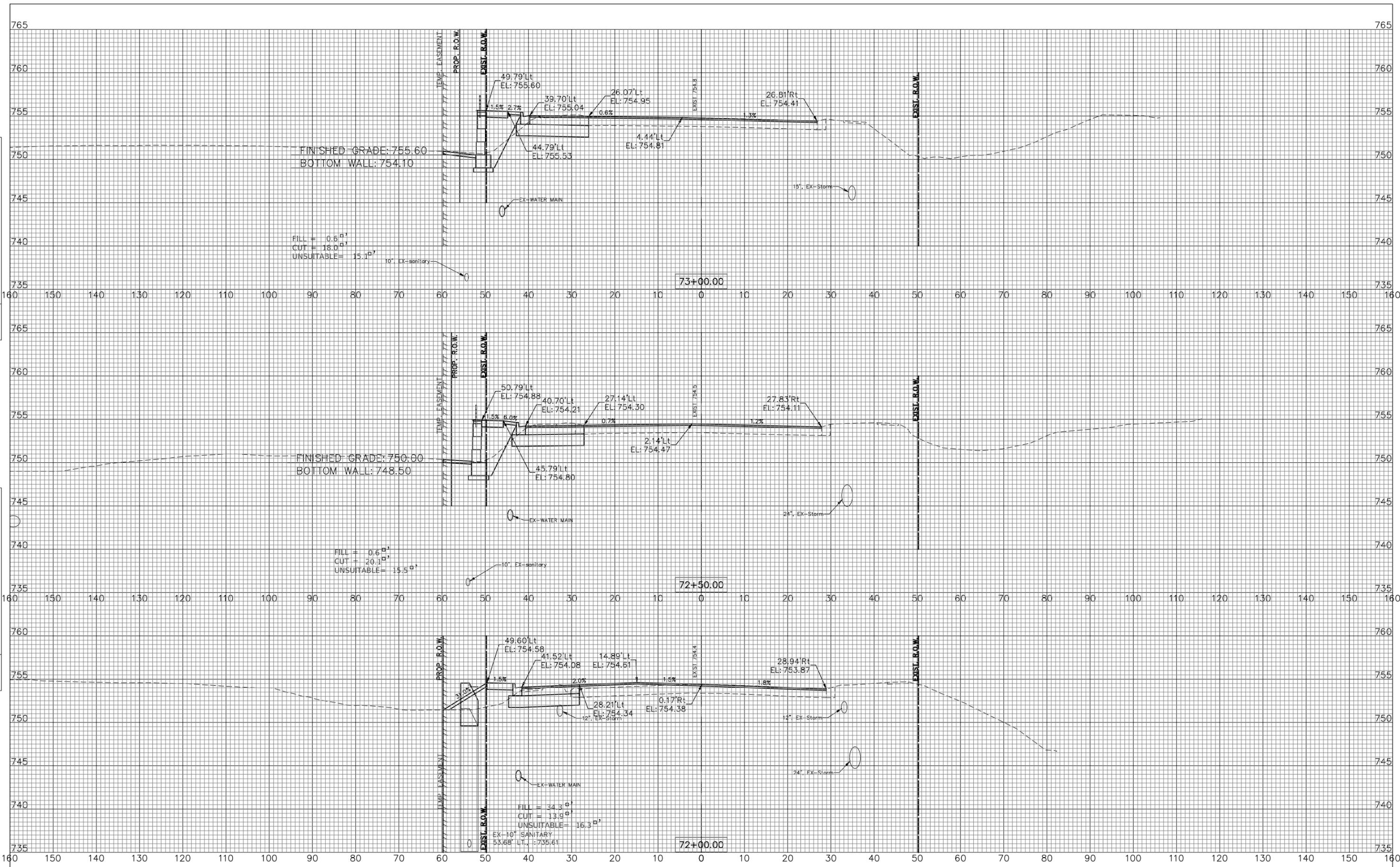
SCALE: 1"=10'H; 1"=5'V SHEET NO. 15 OF 31 SHEETS STA. 71+00 TO STA. 71+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3580	13-00253-01-CH	DuPage	177	161
FED. ROAD DIST. NO. — ILLINOIS FED. AID PROJECT			CONTRACT NO. 61E87	

PLAN	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	RT OF WAY CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO. _____	
	DATE FILE NAME	

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

FILE NAME: V:\DUPAGE\140901.00 87th St & Woodward Ave  
 Design\CADD\A-FINAL July 2021\140901 87th&Woodward  
 sections.dwg



ENGINEERING RESOURCE ASSOCIATES, INC.	USER NAME = rtonner
CONSULTING ENGINEERS, SCIENTISTS & SURVEYORS	DESIGNED — PK
	DRAWN — RT
	CHECKED — BD
	DATE — 04/25/19
	PLOT SCALE = \$SCALE\$
	PLOT DATE = 12/2/2021

DESIGNED — PK	REVISED — 08/13/2021
DRAWN — RT	REVISED — 11/03/2021
CHECKED — BD	REVISED — 12/02/2021
DATE — 04/25/19	REVISED —

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

87th STREET  
 CROSS SECTIONS

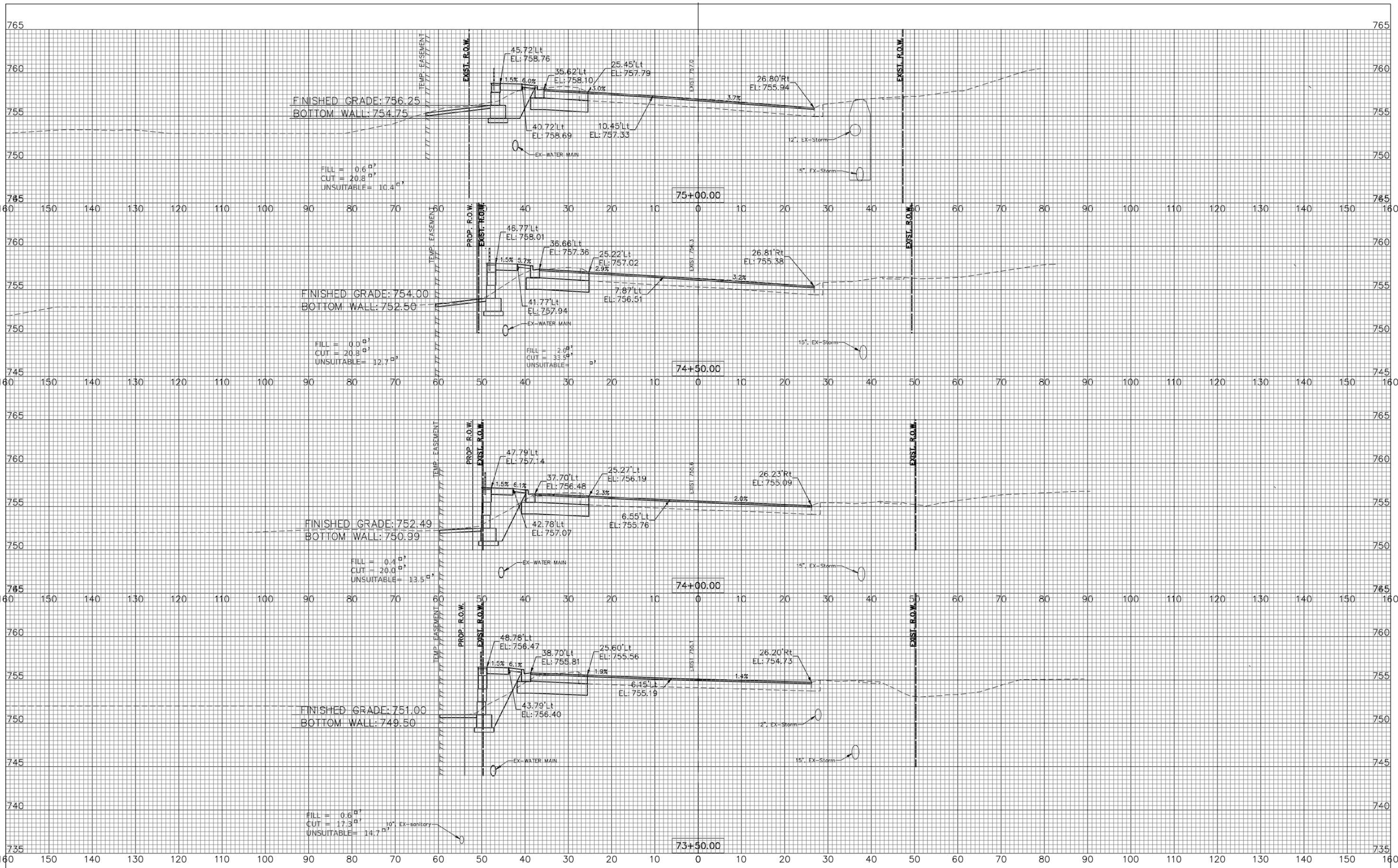
SCALE: 1"=10'H; 1"=5'V SHEET NO. 16 OF 31 SHEETS STA. 72+00 TO STA. 73+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3580	13-00253-01-CH	DuPage	177	162
FED. ROAD DIST. NO. — ILLINOIS FED. AID PROJECT			CONTRACT NO. 61E87	

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

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

FILE NAME: V:\DUPAGE\140901.00 87th St & Woodward Ave  
 Design\CADD\A-FINAL July 2021\140901 87th&Woodward  
 sections.dwg



USER NAME	= rtonner
DESIGNED	-- PK
DRAWN	-- RT
CHECKED	-- BD
DATE	-- 04/25/19
PLOT SCALE	= \$SCALE\$
PLOT DATE	= 12/2/2021

DESIGNED	-- PK	REVISED	-- 08/13/2021
DRAWN	-- RT	REVISED	-- 11/03/2021
CHECKED	-- BD	REVISED	-- 12/02/2021
DATE	-- 04/25/19	REVISED	--

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

87th STREET  
 CROSS SECTIONS

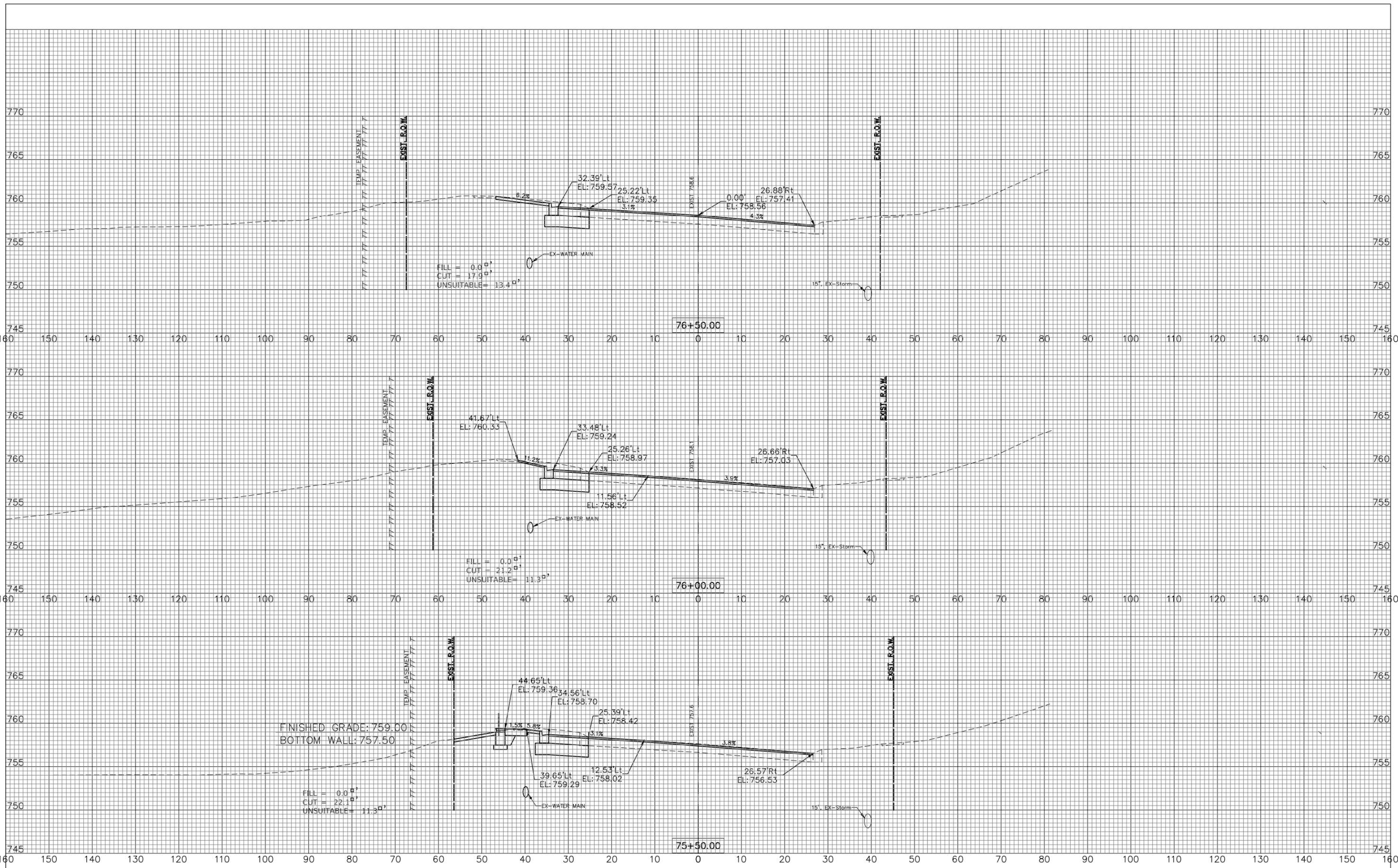
SCALE: 1"=10'H; 1"=5'V SHEET NO. 17 OF 31 SHEETS STA. 73+50 TO STA. 75+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3580	13-00253-01-CH	DuPage	177	163
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT			CONTRACT NO. 61E87	

PLAN	SURVEYED	DATE
NO.	PLOTTED	
	GRADES	
	NOTES	
	BY	
	DATE	

PROFILE	SURVEYED	DATE
NO.	PLOTTED	
	GRADES	
	NOTES	
	BY	
	DATE	

FILE NAME: V:\DUPAGE\140901.00 87th St & Woodward Ave  
 Design\CADD\A-FINAL July 2021\140901 87th&Woodward  
 sections.dwg



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

USER NAME = rtonner	DESIGNED — PK	REVISED — 08/13/2021
	DRAWN — RT	REVISED — 11/03/2021
	CHECKED — BD	REVISED — 12/02/2021
	DATE — 04/25/19	REVISED —

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

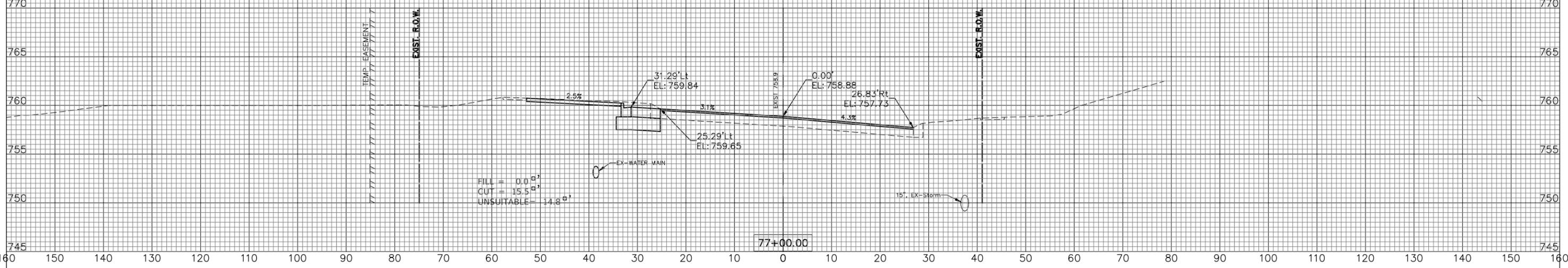
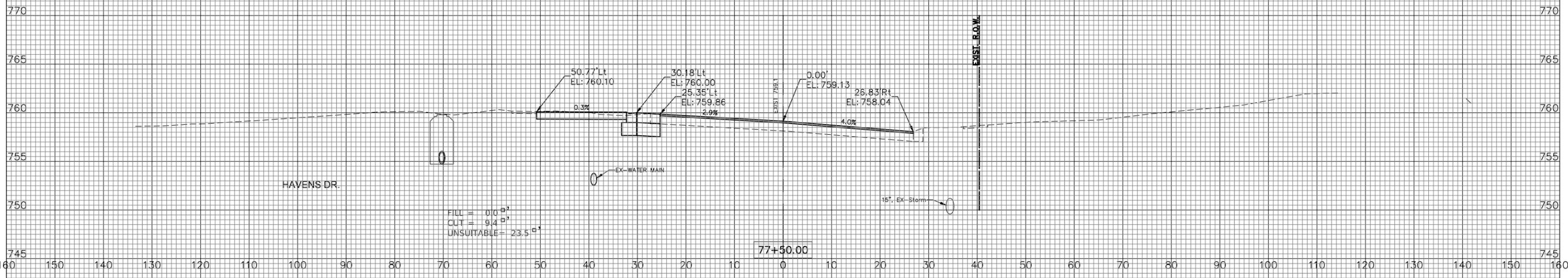
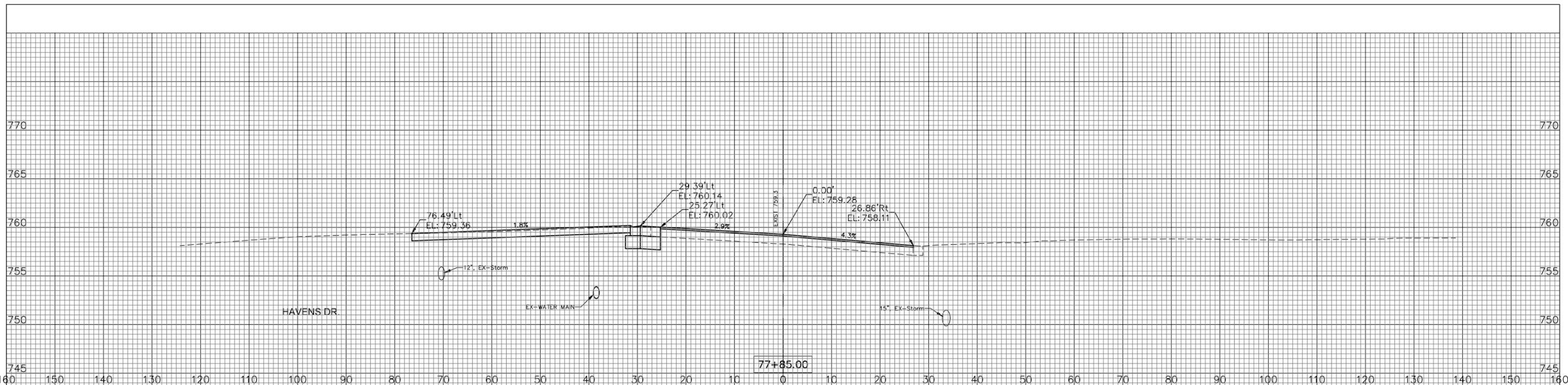
**87th STREET  
 CROSS SECTIONS**

SCALE: 1"=10'H; 1"=5'V SHEET NO. 18 OF 31 SHEETS STA. 75+50 TO STA. 76+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3580	13-00253-01-CH	DuPage	177	164
FED. ROAD DIST. NO. — ILLINOIS FED. AID PROJECT			CONTRACT NO. 61E87	

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

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



FILE NAME: V:\DUPAGE\140901.00 87th St & Woodward Ave  
 Design\CADD\A-FINAL July 2021\140901 87th&Woodward  
 sections.dwg



USER NAME = rtonner	DESIGNED — PK	REVISED — 08/13/2021
	DRAWN — RT	REVISED — 11/03/2021
PLOT SCALE = \$SCALE\$	CHECKED — BD	REVISED — 12/02/2021
PLOT DATE = 12/2/2021	DATE — 04/25/19	REVISED —

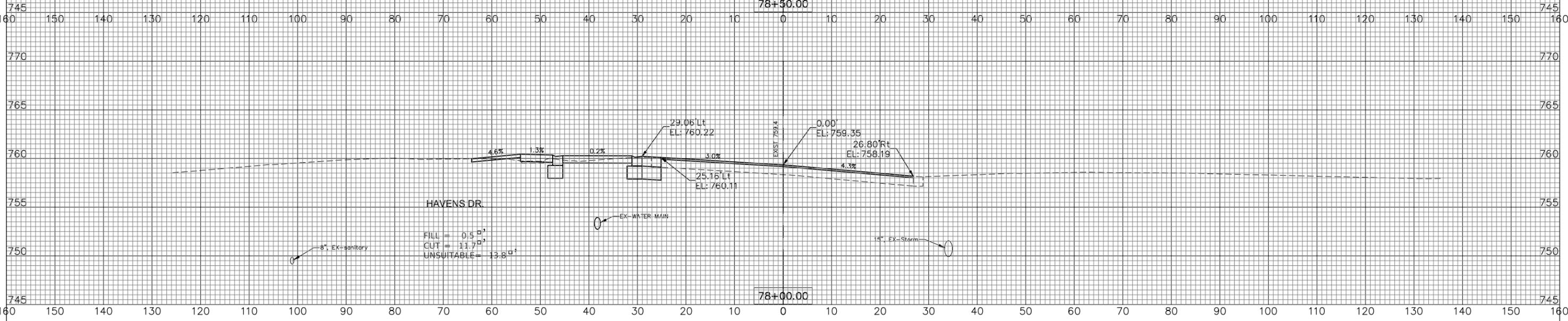
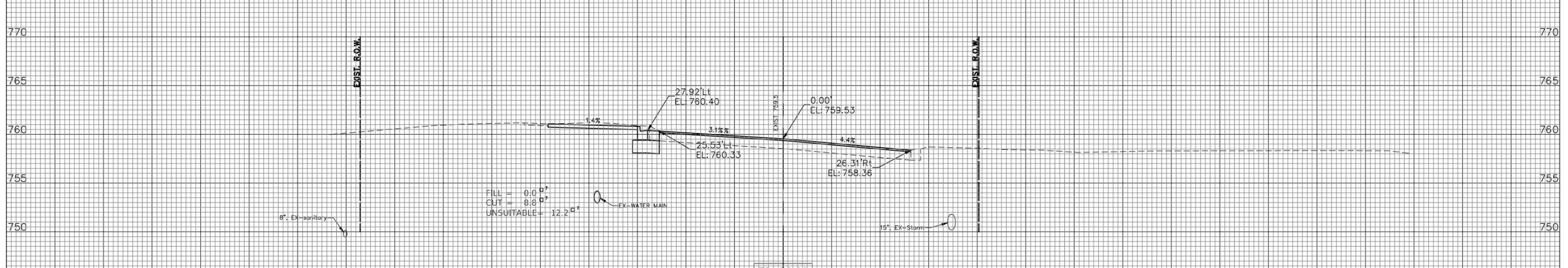
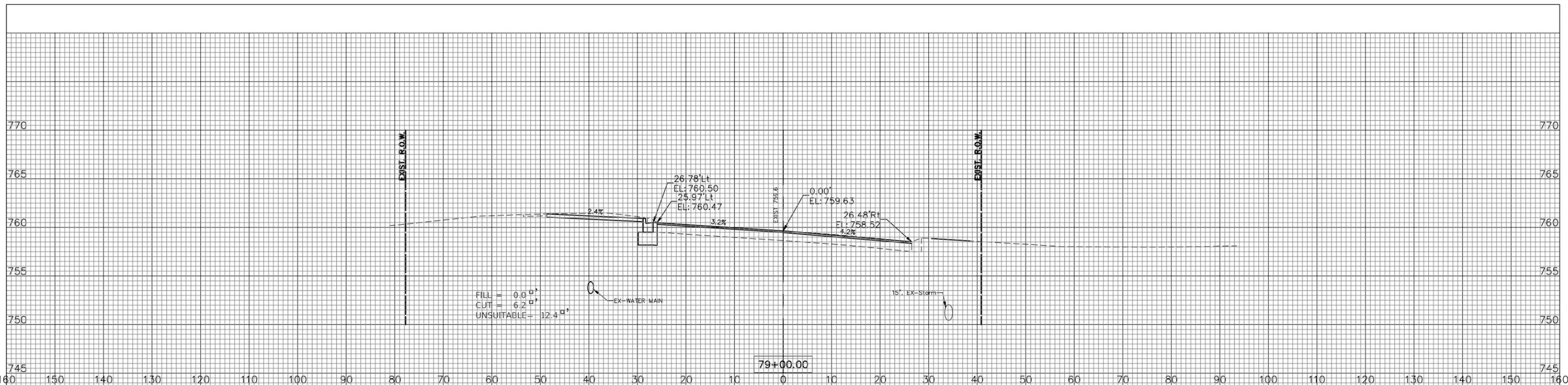
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

87th STREET  
 CROSS SECTIONS  
 SCALE: 1"=10'H; 1"=5'V SHEET NO. 19 OF 31 SHEETS STA. 77+00 TO STA. 77+85

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3580	13-00253-01-CH	DuPage	177	165
FED. ROAD DIST. NO. — ILLINOIS FED. AID PROJECT			CONTRACT NO. 61E87	

PLAN	SURVEYED	DATE
NO.	BY	

PROFILE	SURVEYED	DATE
NO.	BY	



FILE NAME: V:\DUPAGE\140901.00 87th St & Woodward Ave  
 Design\CADD\A-FINAL July 2021\140901 87th&Woodward  
 sections.dwg



USER NAME = rtonner	DESIGNED — PK	REVISED — 08/13/2021
	DRAWN — RT	REVISED — 11/03/2021
PLOT SCALE = \$SCALE\$	CHECKED — BD	REVISED — 12/02/2021
PLOT DATE = 12/2/2021	DATE — 04/25/19	REVISED —

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

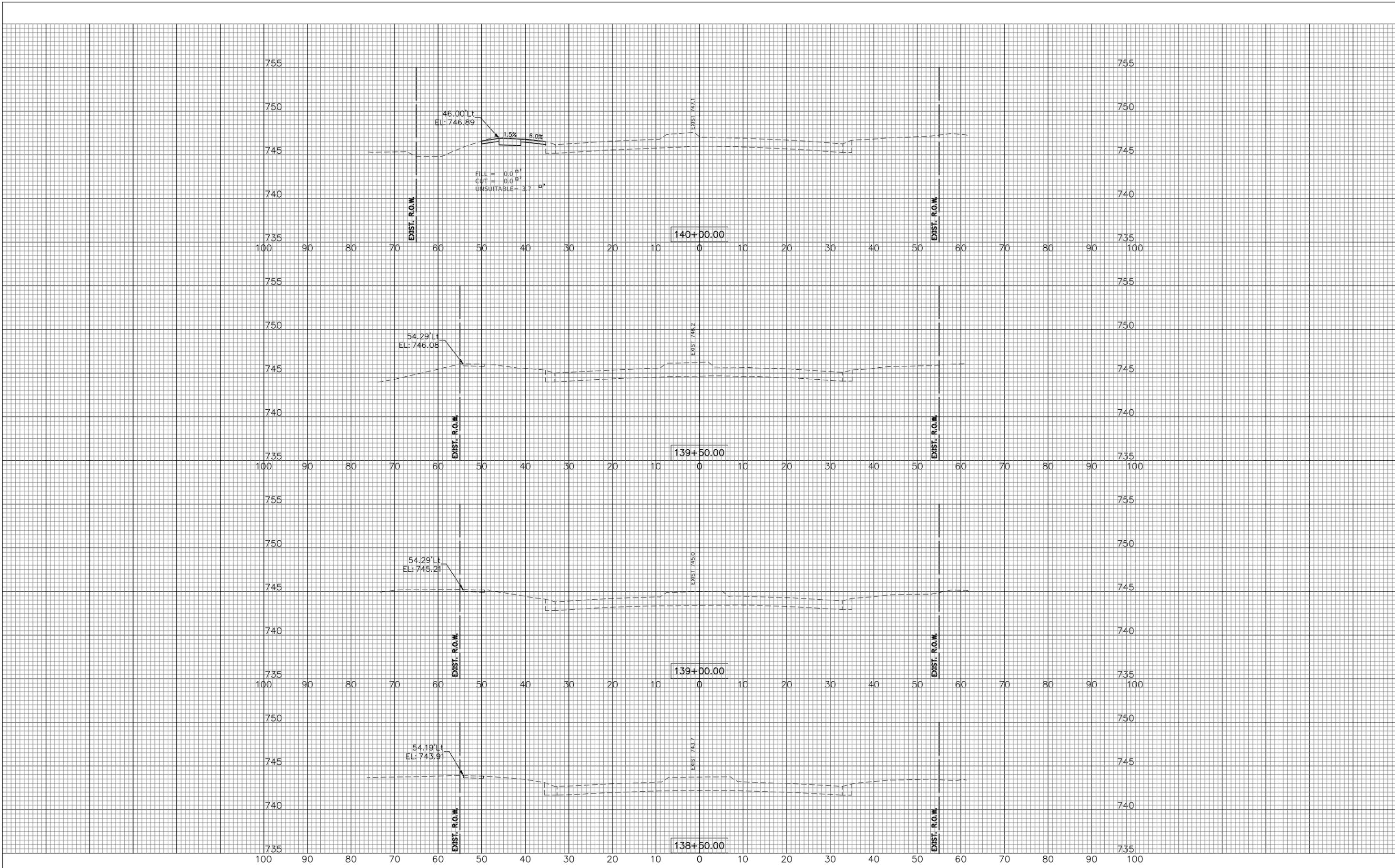
87th STREET  
 CROSS SECTIONS  
 SCALE: 1"=10'H; 1"=5'V SHEET NO. 20 OF 31 SHEETS STA. 78+00 TO STA. 79+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3580	13-00253-01-CH	DuPage	177	166
FED. ROAD DIST. NO. — ILLINOIS FED. AID PROJECT			CONTRACT NO. 61E87	

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

PROFILE	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS OK'D		
	RT OF WAY CHECKED		
	DATE FILE NAME		

FILE NAME: V:\DUPAGE\CO\140901.00 87th St & Woodward Ave  
 Design\CADD\A-FINAL July 2021\140901 87th&Woodward  
 EXECUTIVE.dwg



USER NAME = rtonner  
 PLOT SCALE = \$SCALE\$  
 PLOT DATE = 12/2/2021

DESIGNED — PK  
 DRAWN — RT  
 CHECKED — BD  
 DATE — 04/25/19

REVISED — 08/13/2021  
 REVISED — 11/03/2021  
 REVISED — 12/02/2021  
 REVISED —

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

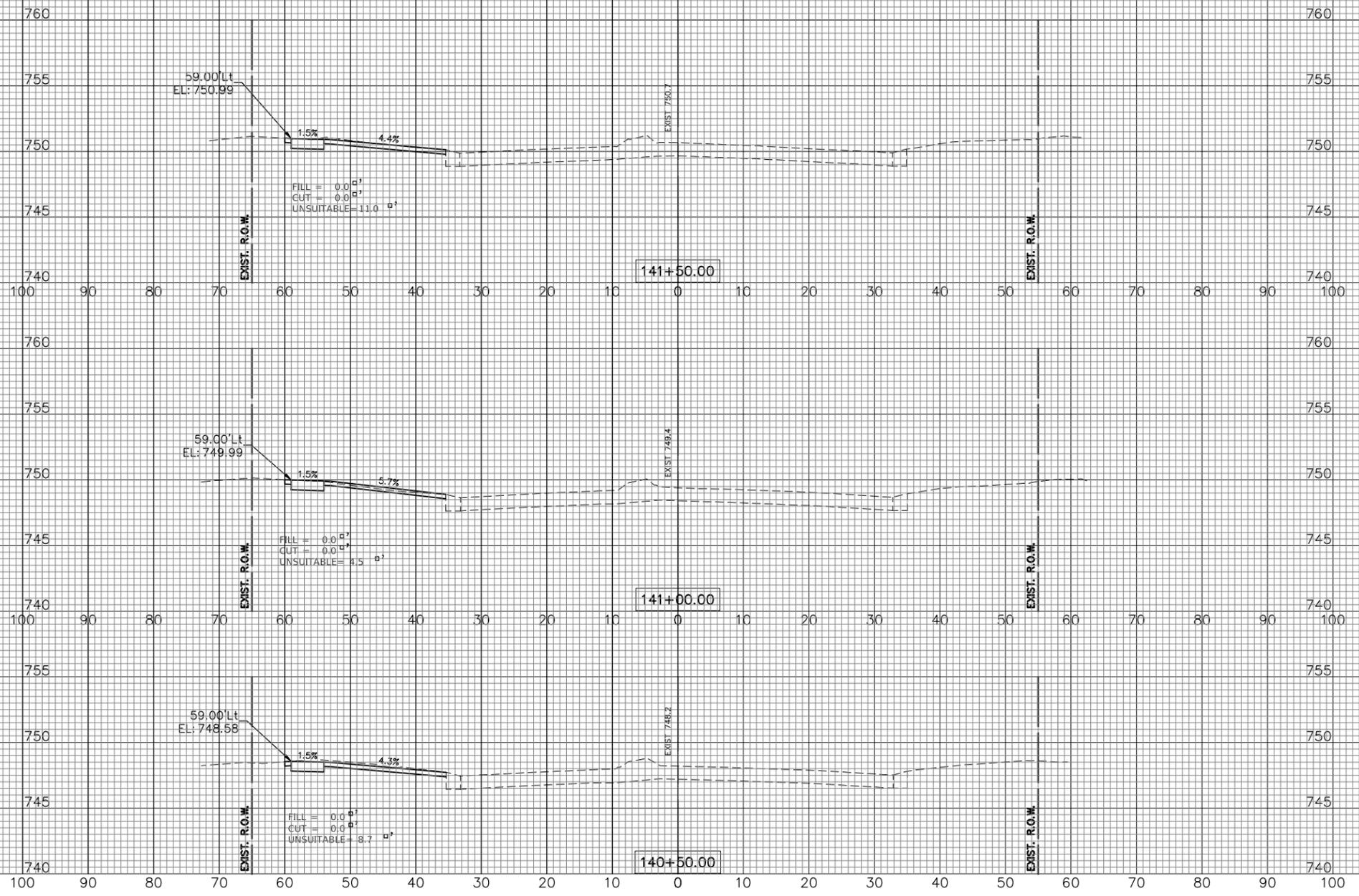
WOODWARD AVENUE  
 CROSS SECTIONS  
 SCALE: 1"=10'H; 1"=5'V SHEET NO. 21 OF 31 SHEETS STA. 138+50 TO STA. 140+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3580	13-00253-01-CH	DuPage	177	167
FED. ROAD DIST. NO. — ILLINOIS FED. AID PROJECT			CONTRACT NO. 61E87	

PLAN	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	RT OF WAY CHECKED		
	DATE FILE NAME		

PROFILE	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	RT OF WAY CHECKED		
	DATE FILE NAME		

FILE NAME: V:\DUPAGE\CO\140901.00 87th St & Woodward Ave  
 Design\CADD\A-FINAL July 2021\140901 87th&Woodward  
 EXECUTIVE.dwg



USER NAME = rtonner  
 PLOT SCALE = \$SCALE\$  
 PLOT DATE = 12/2/2021

DESIGNED — PK  
 DRAWN — RT  
 CHECKED — BD  
 DATE — 04/25/19

REVISED — 08/13/2021  
 REVISED — 11/03/2021  
 REVISED — 12/02/2021  
 REVISED —

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

WOODWARD AVENUE  
 CROSS SECTIONS

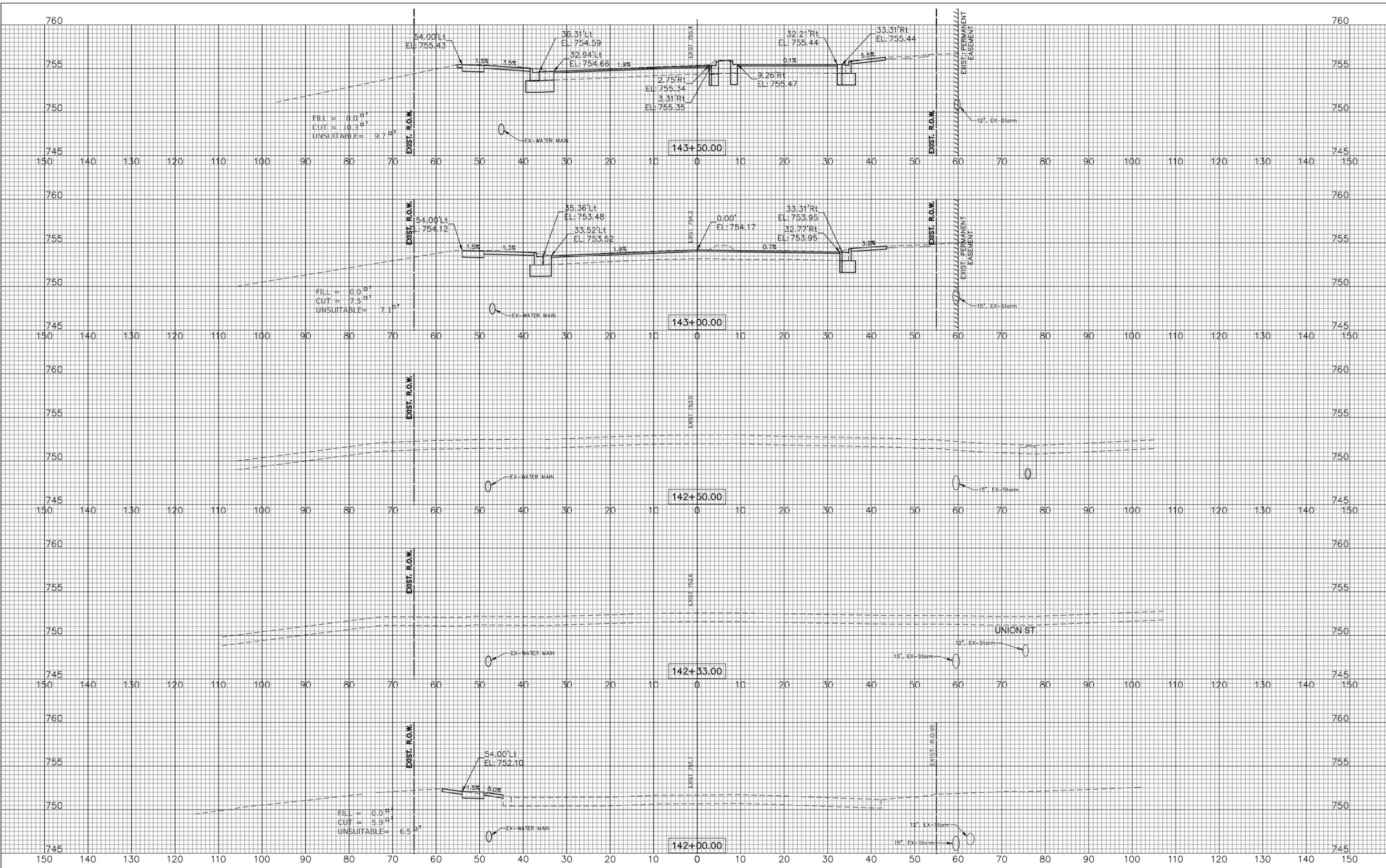
SCALE: 1"=10'H; 1"=5'V SHEET NO. 22 OF 31 SHEETS STA. 140+50 TO STA. 142+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3580	13-00253-01-CH	DuPage	177	168
FED. ROAD DIST. NO. — ILLINOIS FED. AID PROJECT			CONTRACT NO. 61E87	

PLAN	SURVEYED	DATE
NO.	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS OK'D	
	NO. _____	
	DATE _____	

PROFILE	SURVEYED	DATE
NO.	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS OK'D	
	NO. _____	
	DATE _____	

FILE NAME: V:\DUPAGE\140901.00 87th St & Woodward Ave  
 Design\CADD\A-FINAL July 2021\140901 87th&Woodward  
 RESOURCES-2.dwg



USER NAME = rtonner	DESIGNED — PK	REVISED — 08/13/2021
PLOT SCALE = \$SCALE\$	DRAWN — RT	REVISED — 11/03/2021
PLOT DATE = 12/2/2021	CHECKED — BD	REVISED — 12/02/2021
	DATE — 04/25/19	REVISED —

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

WOODWARD AVENUE  
 CROSS SECTIONS

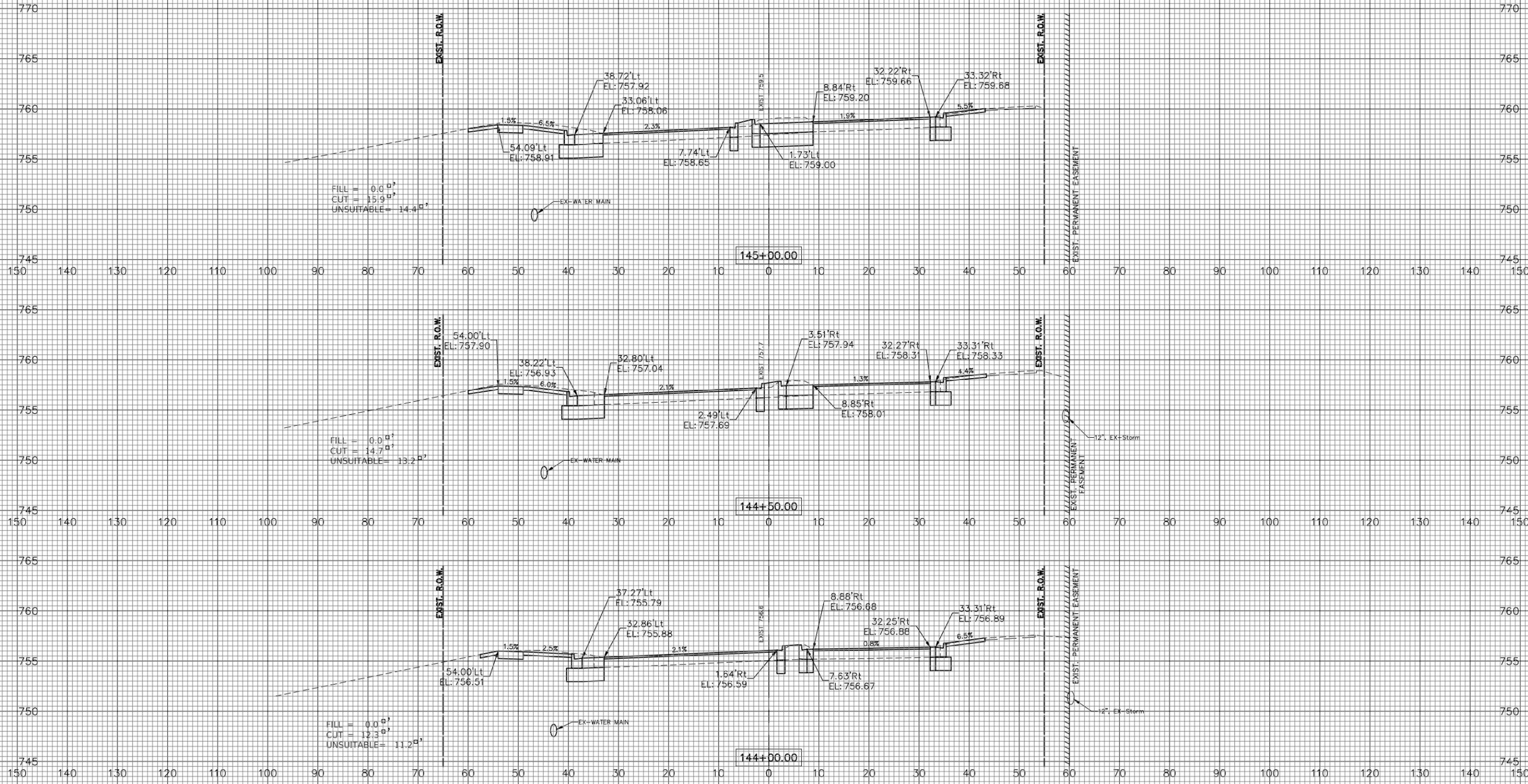
SCALE: 1"=10'H; 1"=5'V SHEET NO. 23 OF 31 SHEETS STA. 142+00 TO STA. 143+50

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3580	13-00253-01-CH	DuPage	177	169
FED. ROAD DIST. NO. — ILLINOIS FED. AID PROJECT			CONTRACT NO. 61E87	

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

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS OK'D	
NO.	NOTE BOOK	BY
	NO.	DATE

FILE NAME: V:\DUPAGE\CO\140901.00 87th St & Woodward Ave  
 Design\CADD\A-FINAL July 2021\140901 87th&Woodward  
 EXECUTED: 2-20mg



STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

WOODWARD AVENUE  
 CROSS SECTIONS

USER NAME = rtonner	DESIGNED — PK	REVISED — 08/13/2021
	DRAWN — RT	REVISED — 11/03/2021
	CHECKED — BD	REVISED — 12/02/2021
	DATE — 04/25/19	REVISED —
PLOT SCALE = \$SCALE\$		
PLOT DATE = 12/2/2021		

SCALE: 1"=10'H; 1"=5'V SHEET NO. 24 OF 31 SHEETS STA. 144+00 TO STA. 145+00

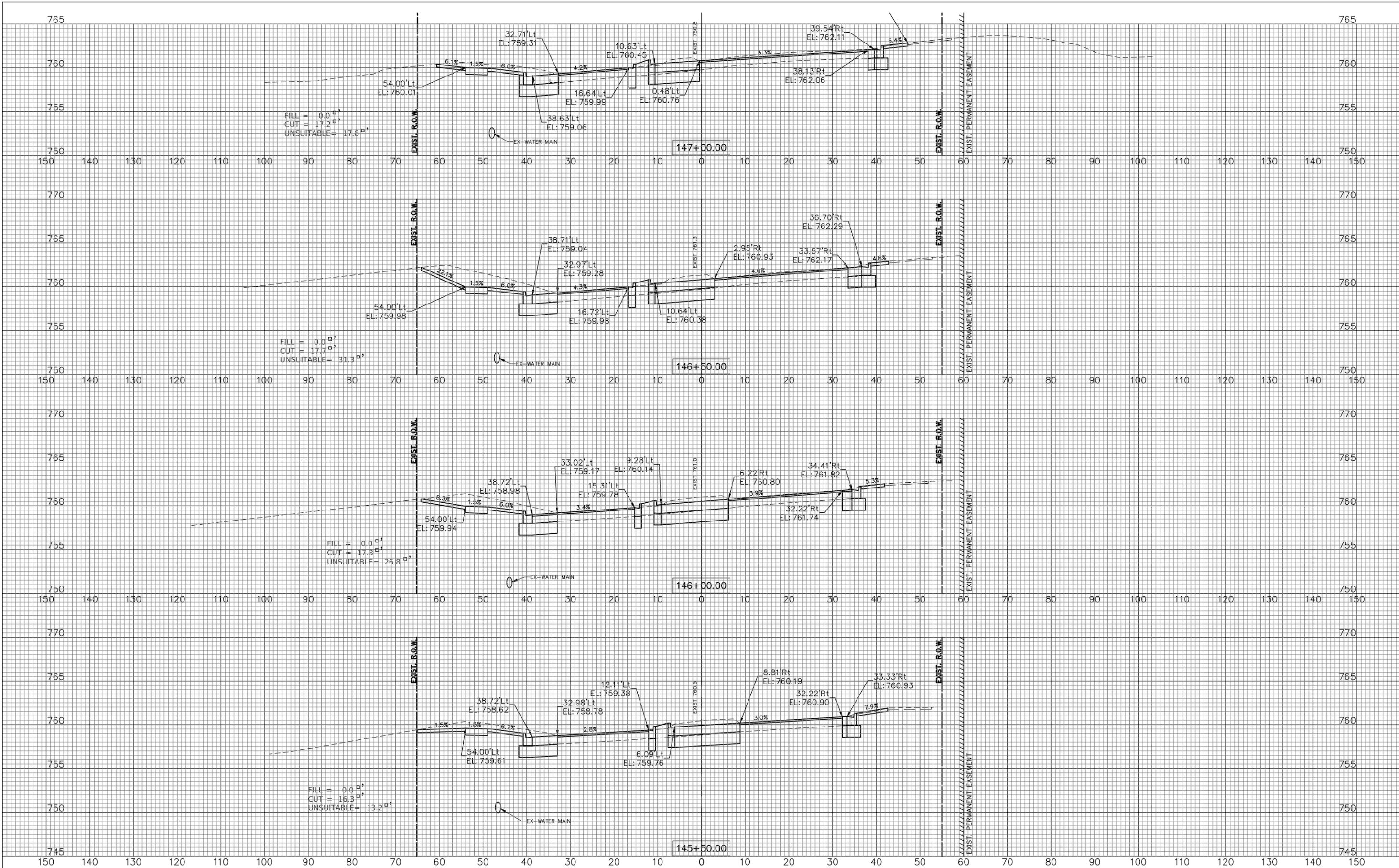
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3580	13-00253-01-CH	DuPage	177	170
FED. ROAD DIST. NO. — ILLINOIS FED. AID PROJECT			CONTRACT NO. 61E87	



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

PROFILE	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	GRADES CHECKED	
	STRUCTURE NOTATIONS OK'D	

FILE NAME: V:\DUPAGE\140901.00 87th St & Woodward Ave  
 Design\CADD\A-FINAL July 2021\140901 87th&Woodward  
 EXECUTIVE.dwg



USER NAME = rtonner	DESIGNED — PK	REVISED — 08/13/2021
PLOT SCALE = \$SCALE\$	DRAWN — RT	REVISED — 11/03/2021
PLOT DATE = 12/2/2021	CHECKED — BD	REVISED — 12/02/2021
	DATE — 04/25/19	REVISED —

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

WOODWARD AVENUE  
 CROSS SECTIONS

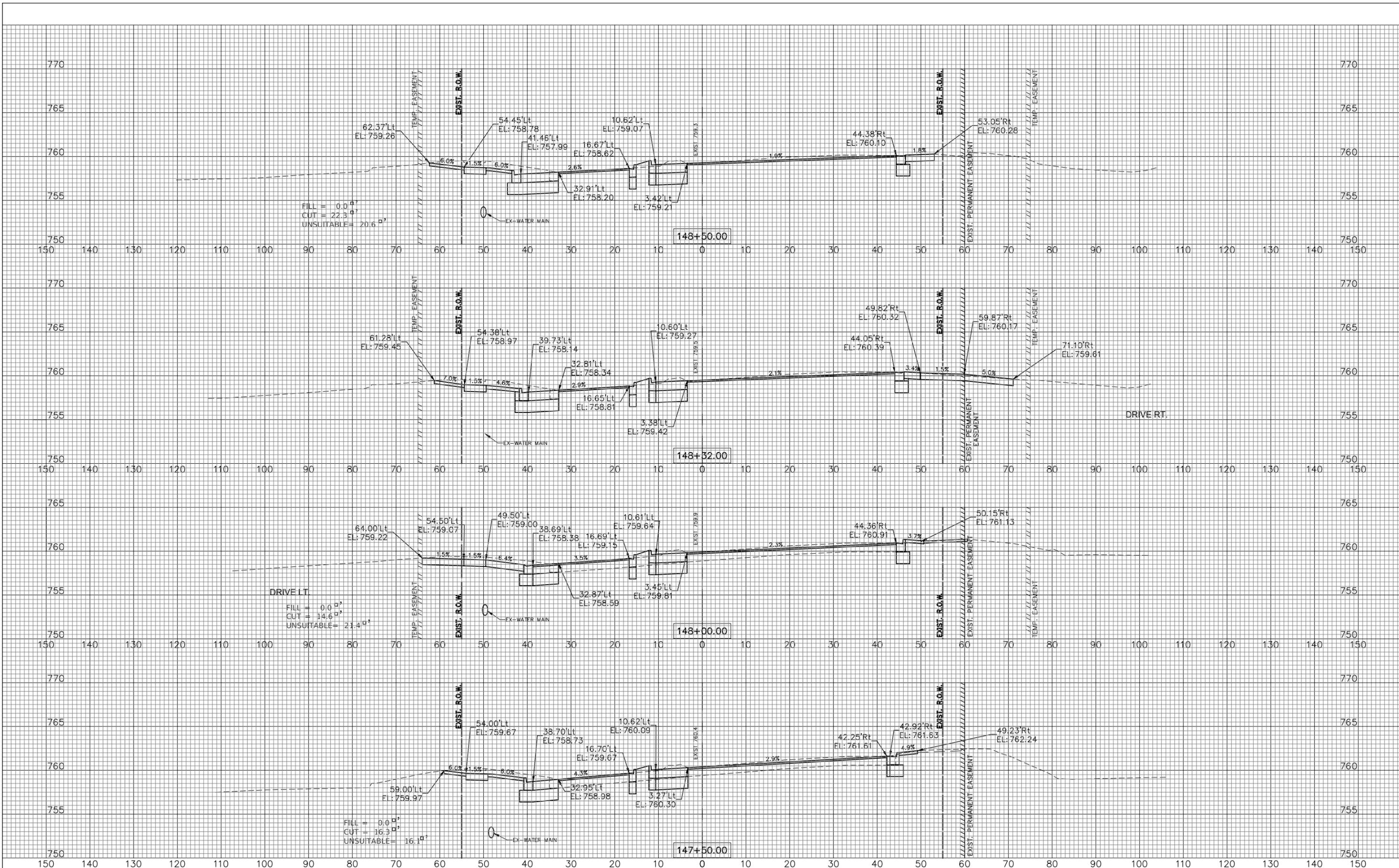
SCALE: 1"=10'H; 1"=5'V SHEET NO. 25 OF 31 SHEETS STA. 145+50 TO STA. 147+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3580	13-00253-01-CH	DuPage	177	171
FED. ROAD DIST. NO. — ILLINOIS FED. AID PROJECT			CONTRACT NO. 61E87	

PLAN	SURVEYED	DATE
NO.	PLOTTED	
	GRADES CHECKED	
	RT. OF WAY CHECKED	
	STRUCTURE NOTATIONS OK'D	
	NO.	

PROFILE	SURVEYED	DATE
NO.	PLOTTED	
	GRADES CHECKED	
	RT. OF WAY CHECKED	
	STRUCTURE NOTATIONS OK'D	
	NO.	

FILE NAME: V:\DUPAGE\140901.00 87th St & Woodward Ave  
 Design\CADD\A-FINAL July 2021\140901 87th&Woodward  
 RESOURCES.rdw



USER NAME = rtonner	DESIGNED — PK	REVISED — 11/03/2021
PLOT SCALE = \$SCALE\$	DRAWN — RT	REVISED — 10-07-2019
PLOT DATE = 12/2/2021	CHECKED — BD	REVISED — 08/13/2021
	DATE — 04/25/19	REVISED — 12/02/2021

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

WOODWARD AVENUE  
 CROSS SECTIONS

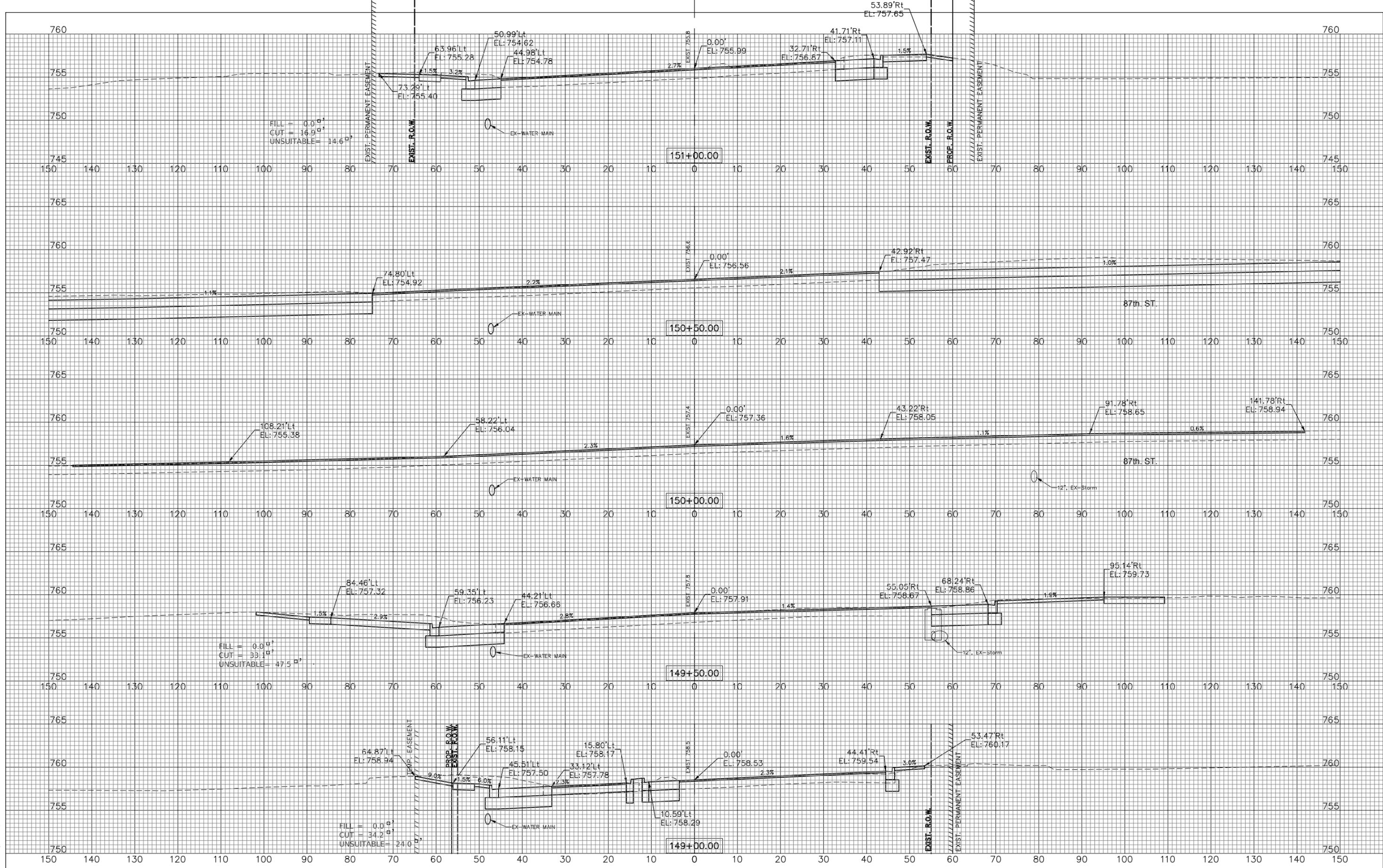
SCALE: 1"=10'H; 1"=5'V SHEET NO. 26 OF 31 SHEETS STA. 147+50 TO STA. 148+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3580	13-00253-01-CH	DuPage	177	172
FED. ROAD DIST. NO. — ILLINOIS FED. AID PROJECT			CONTRACT NO. 61E87	

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

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS OK'D	
NO.	NOTE BOOK	BY

FILE NAME: V:\DUPLICATE\10901.00 87th St & Woodward Ave  
 Design\CADD\A-FINAL July 2021\10901 87thStWoodward  
 Associate-2.dwg



USER NAME = rtonner
PLOT SCALE = \$SCALE\$
PLOT DATE = 12/2/2021

DESIGNED — PK
DRAWN — RT
CHECKED — BD
DATE — 04/25/19

REVISED — 08/13/2021
REVISED — 11/03/2021
REVISED — 12/02/2021
REVISED —

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

WOODWARD AVENUE  
 CROSS SECTIONS

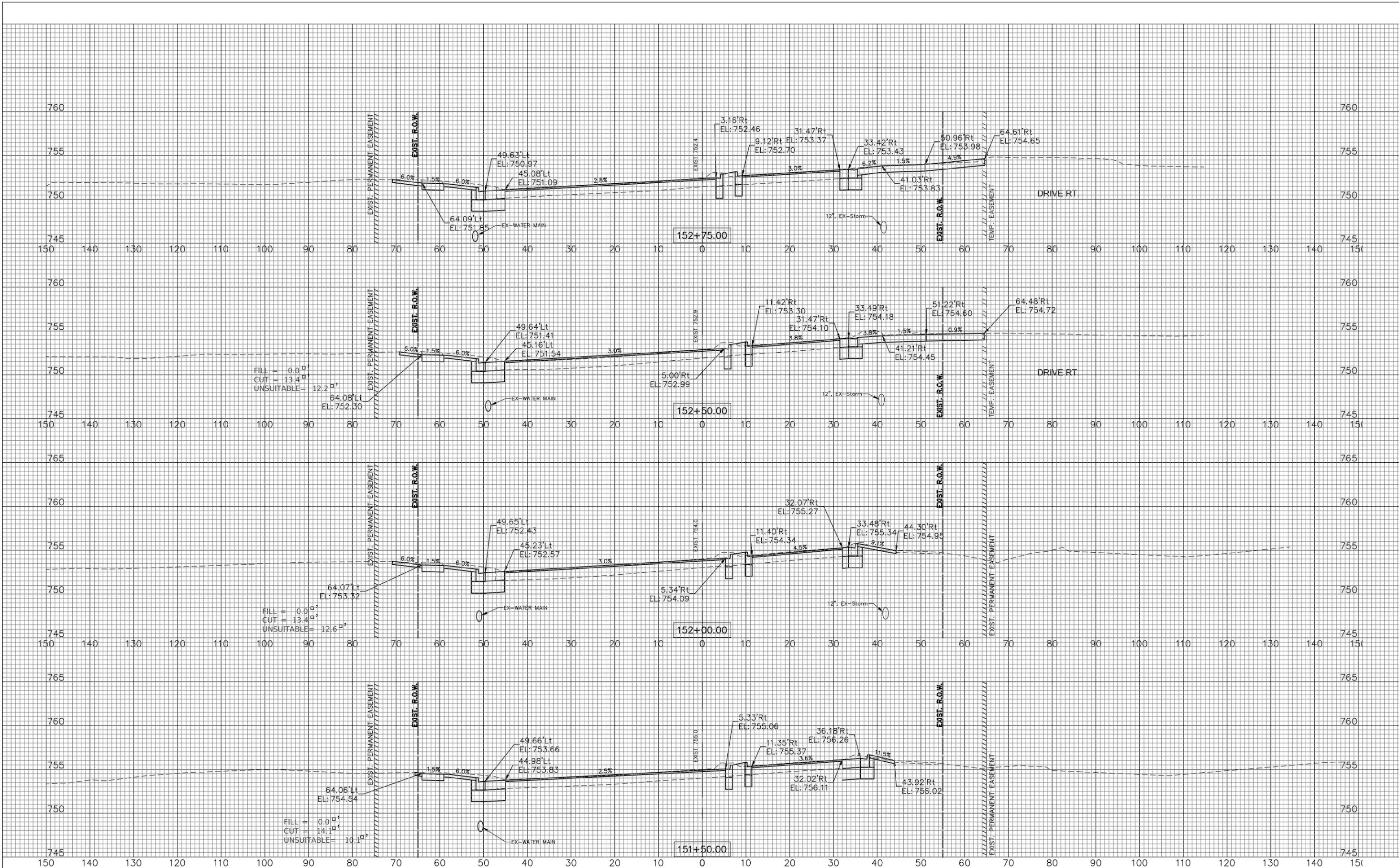
SCALE: 1"=10'H; 1"=5'V SHEET NO. 27 OF 31 SHEETS STA. 149+00 TO STA. 151+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3580	13-00253-01-CH	DuPage	177	173
FED. ROAD DIST. NO. — ILLINOIS FED. AID PROJECT			CONTRACT NO. 61E87	

PLAN	SURVEYED	DATE
NO.	PLOTTED	
	GRADES CHECKED	
	RT OF WAY CHECKED	
	DAOD FILE NAME	

PROFILE	SURVEYED	DATE
NO.	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS OK'D	

FILE NAME: V:\DUPAGE\140901.00 87th St & Woodward Ave  
 Design\CADD\A-FINAL July 2021\140901 87th&Woodward  
 RESOURCES-2.dwg



USER NAME = rtonner
PLOT SCALE = \$SCALE\$
PLOT DATE = 12/2/2021

DESIGNED — PK	REVISED — 08/13/2021
DRAWN — RT	REVISED — 11/03/2021
CHECKED — BD	REVISED — 12/02/2021
DATE — 04/25/19	REVISED —

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

WOODWARD AVENUE  
 CROSS SECTIONS

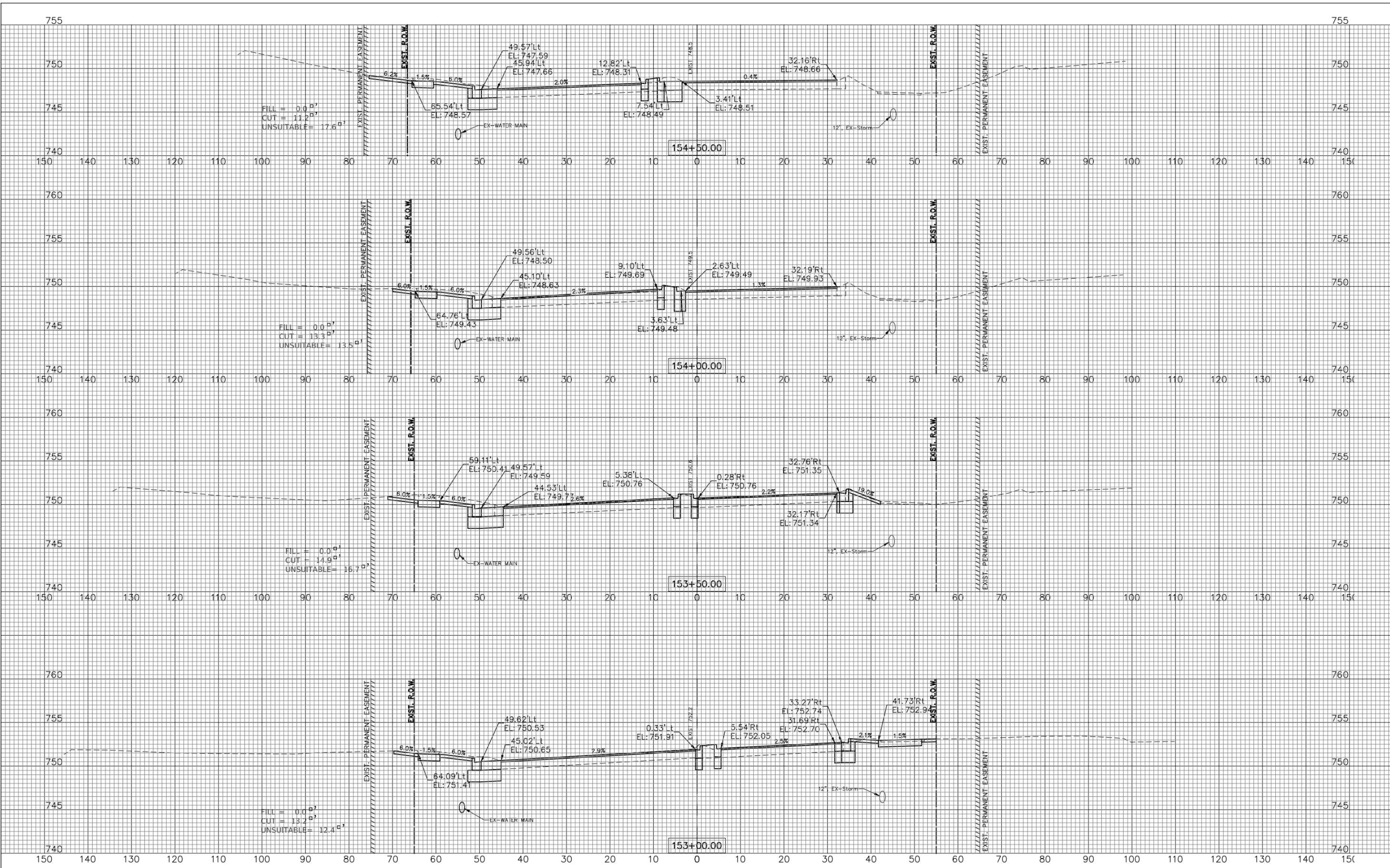
SCALE: 1"=10'H; 1"=5'V SHEET NO. 28 OF 31 SHEETS STA. 151+50 TO STA. 152+75

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3580	13-00253-01-CH	DuPage	177	174
FED. ROAD DIST. NO. — ILLINOIS FED. AID PROJECT			CONTRACT NO. 61E87	

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

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS OK'D	
NOTE BOOK NO.		

FILE NAME: V:\DUPAGE\140901.00 87th St & Woodward Ave  
 Design\CADD\A-FINAL July 2021\140901 87th&Woodward  
 EXECUTIVE.dwg



USER NAME = rtonner	DESIGNED — PK	REVISED — 08/13/2021
	DRAWN — RT	REVISED — 11/03/2021
	CHECKED — BD	REVISED — 12/02/2021
	DATE — 04/25/19	REVISED —
PLOT SCALE = \$SCALE\$		
PLOT DATE = 12/2/2021		

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

WOODWARD AVENUE  
 CROSS SECTIONS

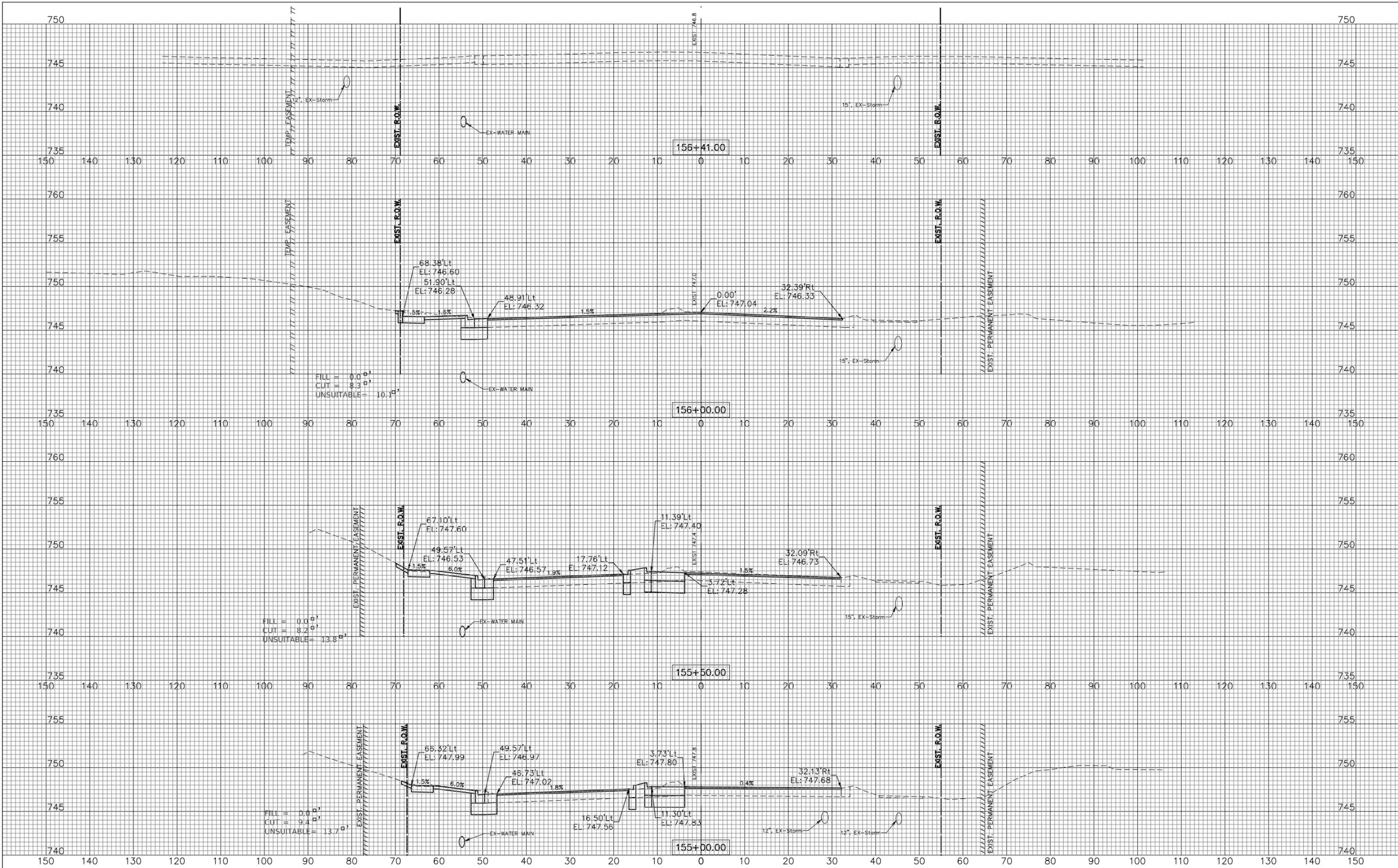
SCALE: 1"=10'H; 1"=5'V SHEET NO. 29 OF 31 SHEETS STA. 153+00 TO STA. 154+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3580	13-00253-01-CH	DuPage	177	175
FED. ROAD DIST. NO. — ILLINOIS FED. AID PROJECT			CONTRACT NO. 61E87	

PLAN	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	RT. OF WAY CHECKED	
	NO. _____	
	DATE FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS OK'D	
	NO. _____	
	DATE	

FILE NAME: V:\DUPAGE\10901.00 87th St & Woodward Ave  
 Design\CADD\A-FINAL July 2021\10901 87th&Woodward  
 ESECUTIVE.dwg



USER NAME	= rtonner
PLOT SCALE	= \$SCALE\$
PLOT DATE	= 12/2/2021

DESIGNED	— PK
DRAWN	— RT
CHECKED	— BD
DATE	— 04/25/19

REVISED	— 08/13/2021
REVISED	— 11/03/2021
REVISED	— 12/02/2021
REVISED	—

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

WOODWARD AVENUE  
 CROSS SECTIONS

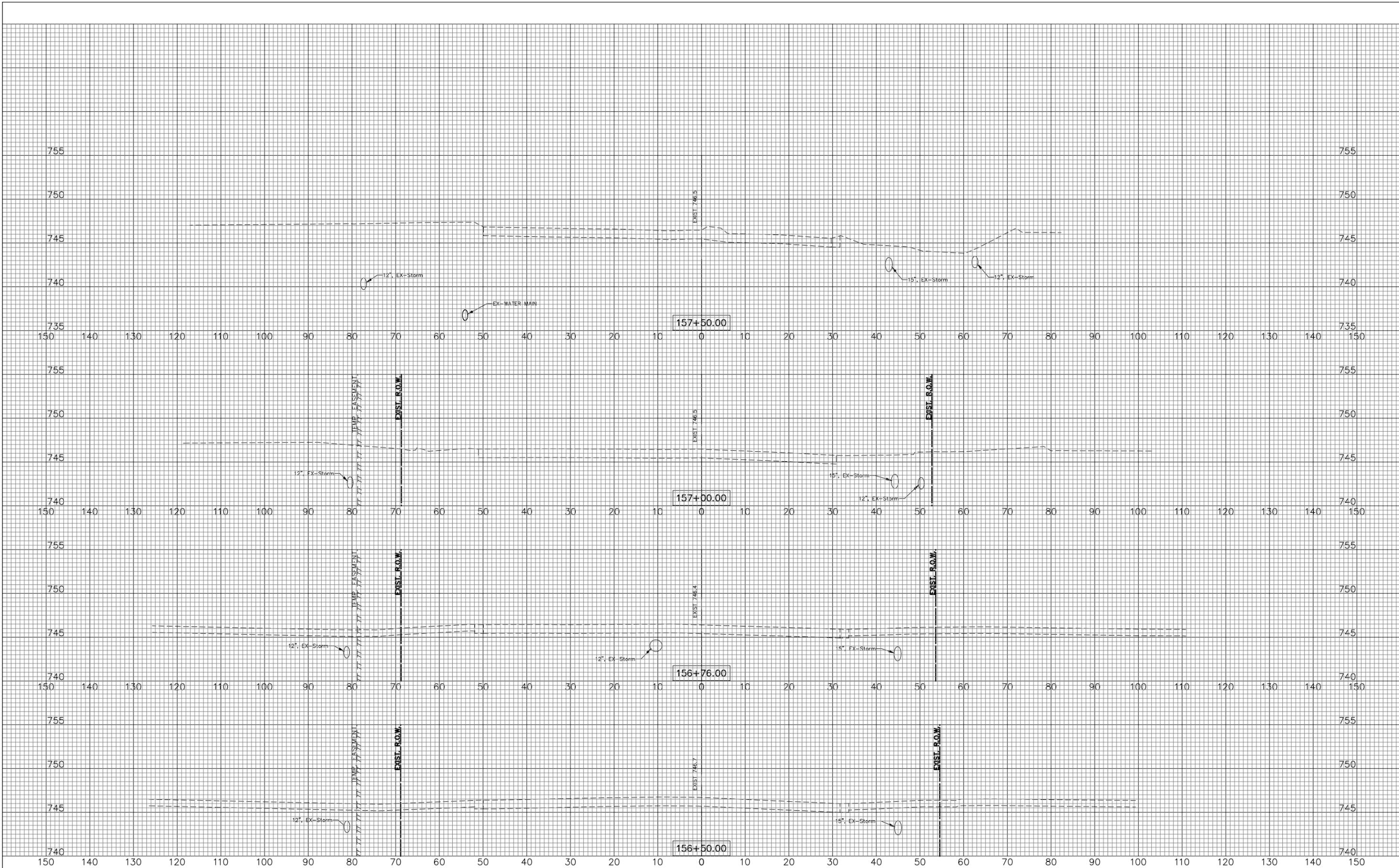
SCALE: 1"=10'H; 1"=5'V SHEET NO. 30 OF 31 SHEETS STA. 155+00 TO STA. 156+41

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3580	13-00253-01-CH	DuPage	177	176
FED. ROAD DIST. NO. — ILLINOIS FED. AID PROJECT			CONTRACT NO. 61E87	

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

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK NO.	GRADES CHECKED		
	STRUCTURE NOTATIONS CHKD		
	RT OF WAY CHECKED		
	DATE FILE NAME		

FILE NAME: V:\DUPAGE\10901.00 87th St & Woodward Ave  
 Design\CADD\A-FINAL July 2021\10901 87th&Woodward  
 RESOURCES.dwg



USER NAME = rtonner	DESIGNED — PK	REVISED — 08/13/2021
PLOT SCALE = \$SCALE\$	DRAWN — RT	REVISED — 11/03/2021
PLOT DATE = 12/2/2021	CHECKED — BD	REVISED — 12/02/2021
	DATE — 04/25/19	REVISED —

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

WOODWARD AVENUE  
 CROSS SECTIONS

SCALE: 1"=10'H; 1"=5'V SHEET NO. 31 OF 31 SHEETS STA. 156+50 TO STA. 157+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3580	13-00253-01-CH	DuPage	177	177
FED. ROAD DIST. NO. — ILLINOIS FED. AID PROJECT			CONTRACT NO. 61E87	