



LOCATION OF SECTION INDICATED THUS: - [rectangle symbol]

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 PLANS FOR
 PROPOSED STREET IMPROVEMENTS
 FAS 2907 (EAST GRAND ROAD)
 VILLAGE OF CRAINVILLE
 SECTION 17-00013-00-PV
 JOB C-99-047-18
 PROJECT 7EB4(065)
 CONTRACT 99610

VILLAGE BOARD PRESIDENT RON MITCHELL

VILLAGE BOARD

BOARD MEMBER JULIE AUE
 BOARD MEMBER SAM JONES
 BOARD MEMBER JIM RAINS
 BOARD MEMBER JOHN OETJEN
 BOARD MEMBER MARK DOLLINS
 BOARD MEMBER MICHAEL HARBIN

VILLAGE CLERK JACQUELYN CHAPMAN
 VILLAGE TREASURER TINA STEINACHER
 VILLAGE ATTORNEY BRAD OLESEN

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ENGINEER AND SURVEYOR'S CERTIFICATE

STATE OF ILLINOIS)
 COUNTY OF WILLIAMSON)SS

I, JOHN H. CRAWFORD, ILLINOIS PROFESSIONAL ENGINEER NO. 29206 AND ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 2061 DO HEREBY CERTIFY THAT THESE DRAWINGS WERE PREPARED BY ME, OR PREPARED UNDER MY DIRECT SUPERVISION.

IN WITNESS THEREOF, I HAVE SET MY HAND AND SEAL THIS
 1ST DAY OF OCTOBER, 2018.

[Signature]
 JOHN H. CRAWFORD
 I.P.E. NO. 29206
 I.P.L.S. NO. 2061
 CARTERVILLE, ILLINOIS



LENGTH OF PROJECT 2,745.00 FT
 DESIGN SPEED URBAN 30 MPH
 ROADWAY DESIGN DESIGNATION LOCAL ROAD
 DESIGN TRAFFIC 2016 ADT = 4220

VILLAGE OF CRAINVILLE
 WILLIAMSON COUNTY, IL

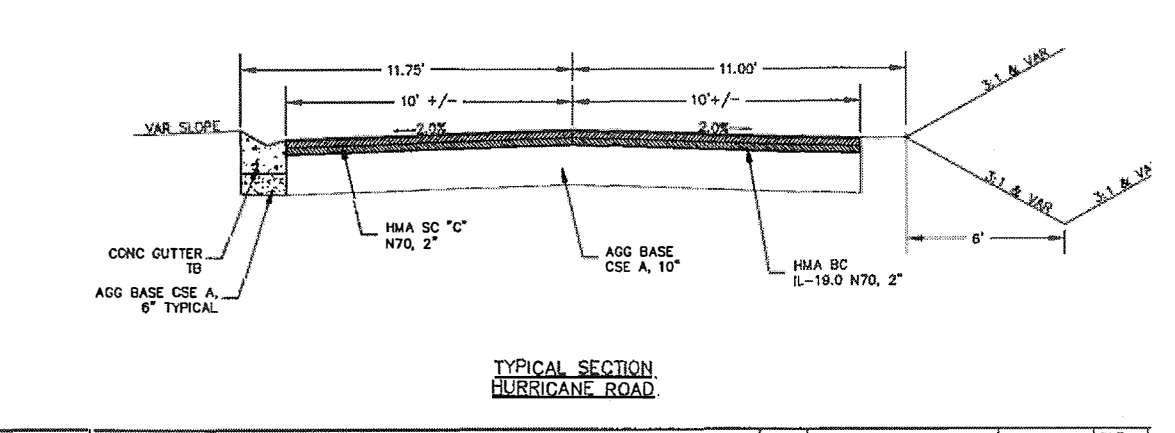
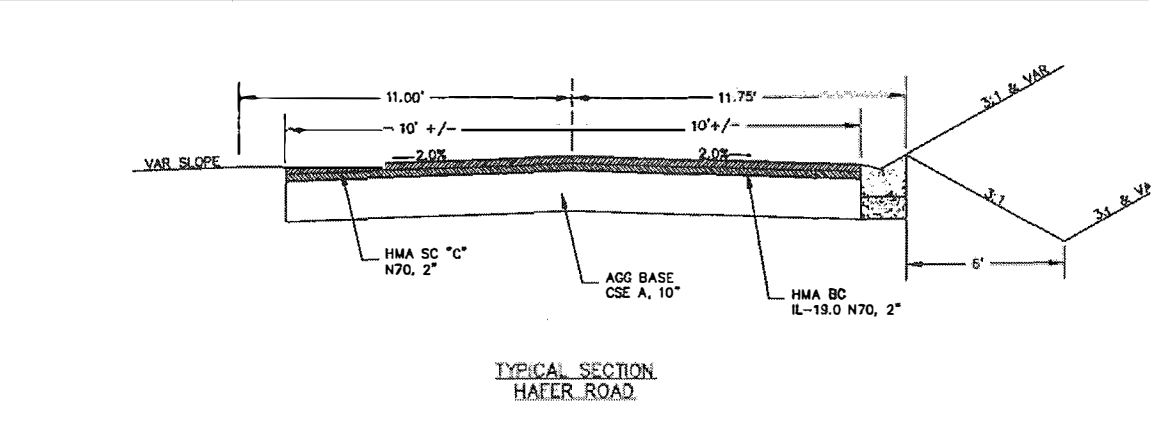
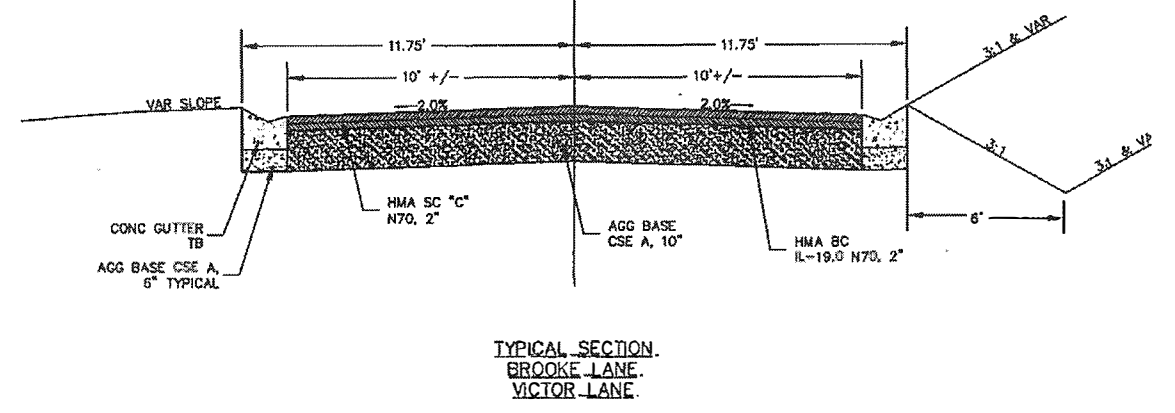
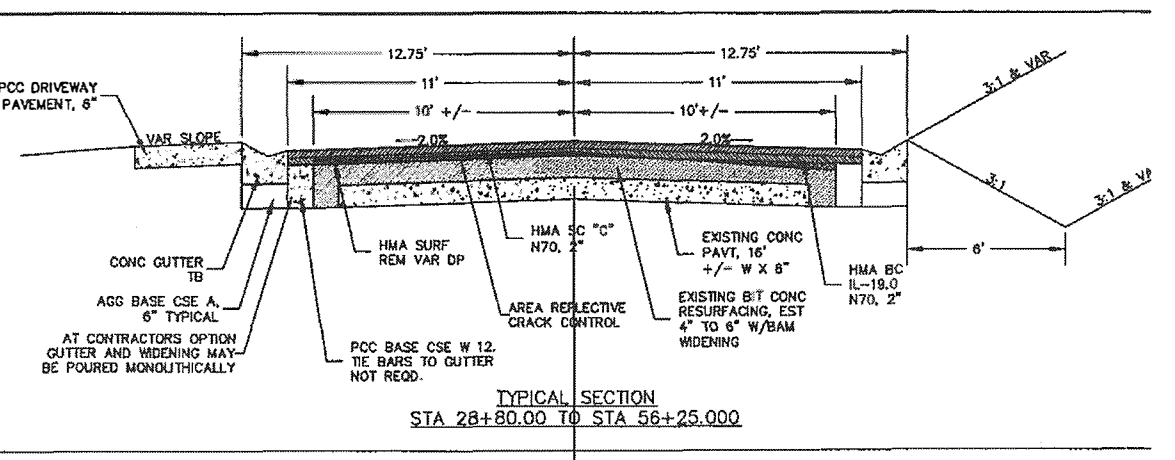
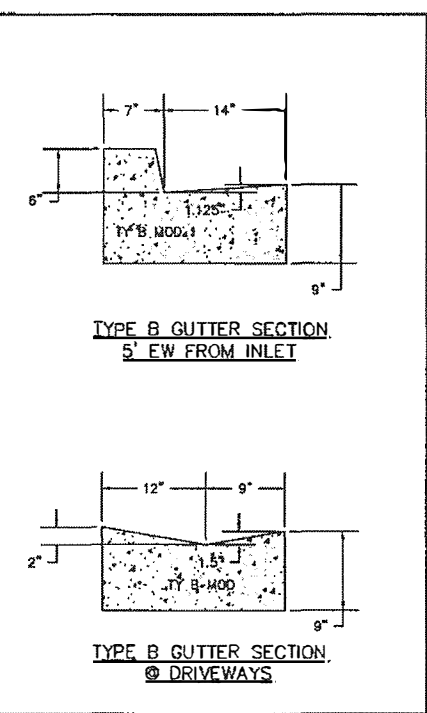
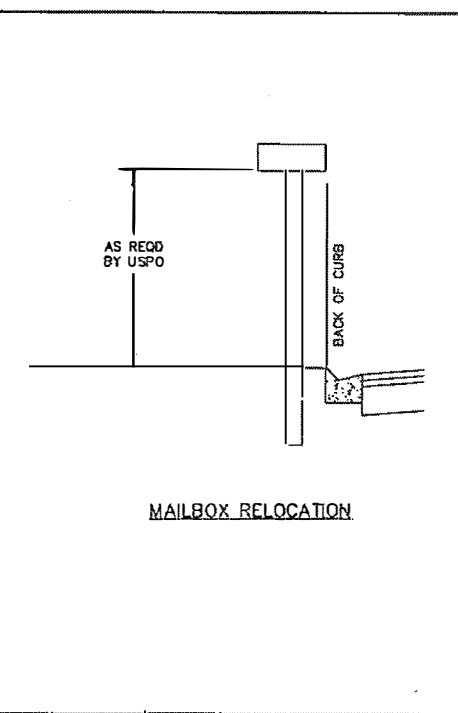
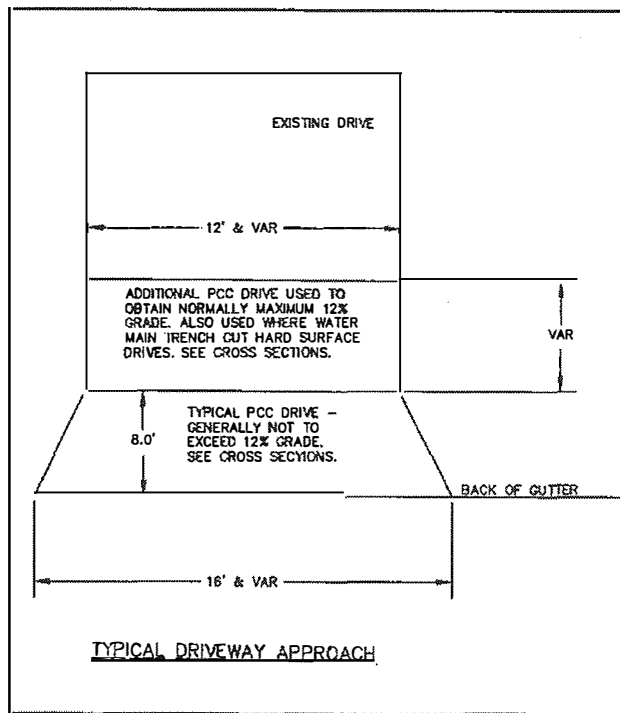
APPROVED OCTOBER 9, 2018
[Signature]
 RON MITCHELL MAYOR
 LOCAL AGENCY, POSITION

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

APPROVED Nov 13, 2018
[Signature]
 DISTRICT ENGINEER OF LOCAL ROADS & STREETS

RELEASED FOR
 BID BASED ON
 LIMITED REVIEW Nov 13, 2018
[Signature]
 DEPUTY DIRECTOR OF HIGHWAYS, REGION 5 ENGINEER

JOHN H. CRAWFORD & ASSOCIATES, P.C. CIVIL ENGINEERS, LAND SURVEYORS 301 SOUTH DIVISION STREET, CARTERVILLE, ILLINOIS 62901 PHONE (618) 995-4378 FAX (618) 995-4882 PROFESSIONAL DESIGN PERM # 184-088384	USER NAME =	DESIGNED = JHC	REVISED =	VILLAGE OF CRAINVILLE EAST GRAND ROAD IMPROVEMENT STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	COVER SHEET EAST GRAND ROAD	SCALE:	SHEET 1 OF 1 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT
	PLOT SCALE =	CHECKED = RLM	REVISED =			RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT DATE =	DATE = 10/01/18	REVISED =			17-00013-00-PV	WILLIAMSON	53	1	
						CONTRACT NO. 99610				



NUMBER	DESCRIPTION	QUANTITY	UNIT
20100110	TREE REMOVAL (6-15 UNITS DIAMETER)	90	UNIT
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	405	UNIT
20200100	EARTH EXCAVATION	1520	CU YD
20800150	TRENCH BACKFILL	800	CU YD
25000100	SEEDING, CLASS 1	1.3	ACRE
25000400	NITROGEN FERTILIZER NUTRIENTS	115	POUND
25000500	PHOSPHORUS FERTILIZER NUTRIENTS	115	POUND
25000600	POTASSIUM FERTILIZER NUTRIENTS	115	POUND
25000700	AGRICULTURAL GROUND LIMESTONE	2.6	TON
25100105	MULCH, METHOD 1	1.3	ACRE
28000305	TEMPORARY DITCH CHECKS	360	FOOT
28000400	PERIMETER EROSION BARRIER	500	FOOT
28100801	STONE DUMPED RIPRAP, CLASS A 1	415	TON
35100100	AGGREGATE BASE COURSE, TYPE A	540	TON
35400520	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 12"	610	SQUARE YARD
40200100	AGGREGATE SURFACE COURSE, TYPE A	40	TON
40600275	BITUMINOUS MATERIALS (PRIME COAT)	750	POUND
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	810	TON
40803315	HOT-MIX ASPHALT SURFACE COURSE, MIX C, N70	810	TON
40700100	BITUMINOUS MATERIALS (TACK COAT)	3020	POUND
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	630	SQUARE YARD
44000200	DRIVEWAY PAVEMENT REMOVAL	315	SQUARE YARD
44200140	PAVEMENT PATCHING, TYPE I, 12 INCH	20	SQUARE YARD
44200144	PAVEMENT PATCHING, TYPE II, 12 INCH	40	SQUARE YARD
44200150	PAVEMENT PATCHING, TYPE IV, 12 INCH	100	SQUARE YARD
44300100	AREA REFLECTIVE CRACK CONTROL	8705	SQUARE YARD
50104400	CONCRETE HEADWALL REMOVAL	1	EACH
50105220	PIPE CULVERT REMOVAL	830	FOOT
56100800	WATER MAIN 8"	20	FOOT
56100700	WATER MAIN 8"	2870	FOOT
56105000	WATER VALVES 8"	2	EACH
56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	4	EACH
58500600	DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED	17	EACH
60237000	INLETS, TYPE A, TYPE 15 FRAME AND GRATE	14	EACH
60286600	VALVE BOXES TO BE ADJUSTED	1	EACH
60602800	CONCRETE GUTTER, TYPE B	5385	FOOT
87100100	MOBILIZATION	1	LUMP-SUM
72000100	SIGN PANEL - TYPE 1	22	SQUARE FOOT
72900200	METAL POST - TYPE B	55	FOOT
78001110	PAINT PAVEMENT MARKING - LINE 4	4510	FOOT
78001180	PAINT PAVEMENT MARKING - LINE 24	60	FOOT
542A0217	PIPE CULVERTS, CLASS A, TYPE 1 12"	955	FOOT
542A0220	PIPE CULVERTS, CLASS A, TYPE 1 15"	435	FOOT
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	80	FOOT
X0327024	FIRE HYDRANTS TO BE REMOVED & SALVAGED	2	EACH
X7010237	CHANGEABLE MESSAGE SIGN SPECIAL	90	CAL DA
X4401198	HOT MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	6400	SQUARE YARD
X7010216	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	1	LUMP-SUM
Z0044300	PRESSURE CONNECTION 4" X 4"	2	EACH
Z0044500	PRESSURE CONNECTION 6" X 6"	3	EACH
Z0067300	STEEL CASINGS 12"	110	FOOT

HIGHWAY STANDARDS

INLET - TYPE A
 FRAME AND LID TYPE 15
 TYPE B GUTTER
 OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5M) AWAY
 OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 M) TO 24' 800 MM) FROM PAVEMENT EDGE
 OFF-RD OPERATIONS, MOVING OPERATIONS, 2L, 2W, DAY ONLY
 LANE CLOSURE, 2L, 2W, DAY ONLY FOR SPEEDS > 45 MPH
 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
 LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS, 45 MPH
 URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
 TRAFFIC CONTROL DEVICES
 TYPICAL PAVEMENT MARKINGS

STANDARD 602301-04
 STANDARD 604066-02
 STANDARD 609201-04
 STANDARD 701001-02
 STANDARD 701006-05
 STANDARD 701011-04
 STANDARD 701201-05
 STANDARD 701301-04
 STANDARD 701306-04
 STANDARD 701501-08
 STANDARD 701901-08
 STANDARD 780001-05

GENERAL NOTES

- ALL WATER MAIN WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN ILLINOIS" LATEST EDITION AND THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS" LATEST EDITION.
- DUE TO THE POSSIBILITY OF ENDANGERED/THREATENED SPECIES HABITAT, CLEARING OF TREES SHALL BE PROHIBITED BETWEEN APRIL 1 THROUGH SEPTEMBER 30.
- FACTORS USED FOR ESTIMATING PLAN QUANTITIES (NOT TO BE USED FOR FINAL QUANTITIES) ARE AS FOLLOWS:
 - A. HOT-MIX ASPHALT BINDER COURSE - 110 POUNDS/SQUARE YARD/INCH THICKNESS = 1.98 TONS/CUBIC YARD
 - B. HOT-MIX ASPHALT SURFACE COURSE - 115 POUNDS/SQUARE YARD/INCH THICKNESS = 2.07 TONS/CUBIC YARD
 - C. ALL AGGREGATE - 150 POUNDS/CUBIC FOOT = 2.025 TONS/CUBIC YARD
- HOT-MIX ASPHALT MIX DESIGNS ARE INCLUDED IN THE SPECIAL PROVISIONS.
- CONTRACTOR SHALL NOTIFY EMERGENCY SERVICES, SCHOOLS, AND LOCAL AUTHORITIES OF ROAD CLOSURE TWO WEEKS IN ADVANCE.

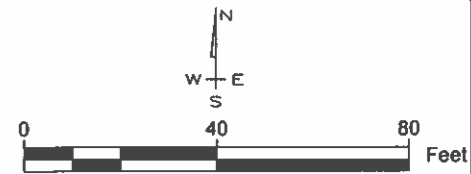
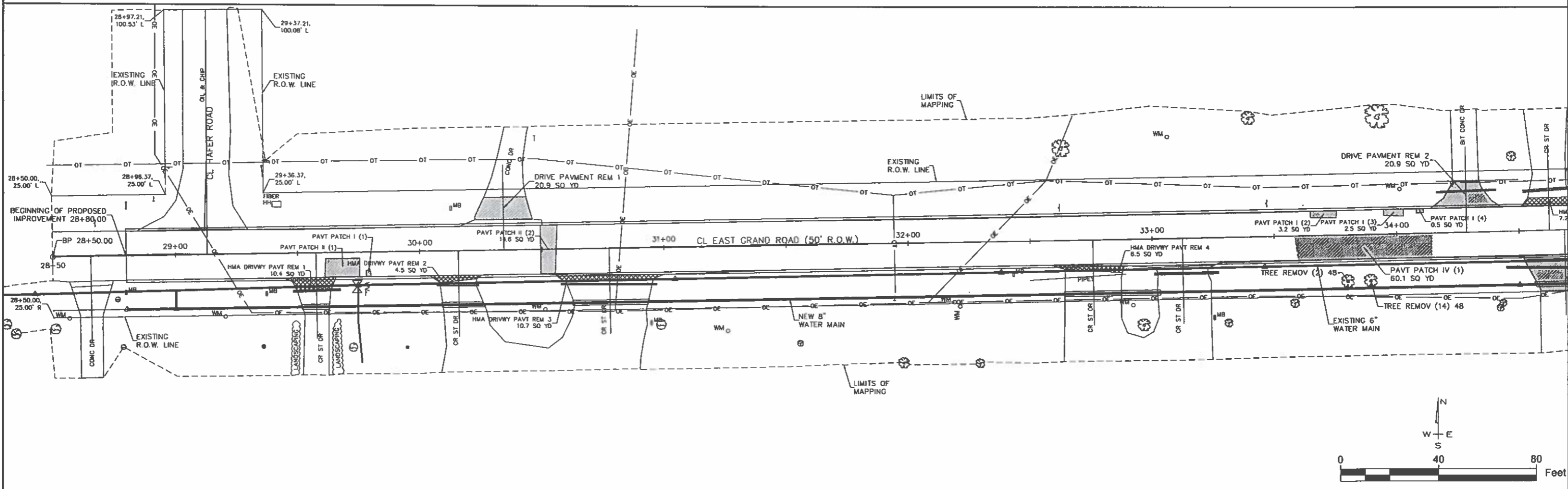
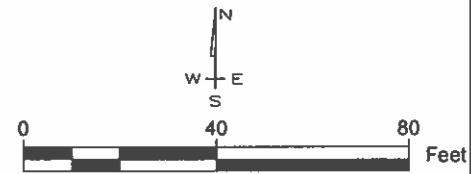
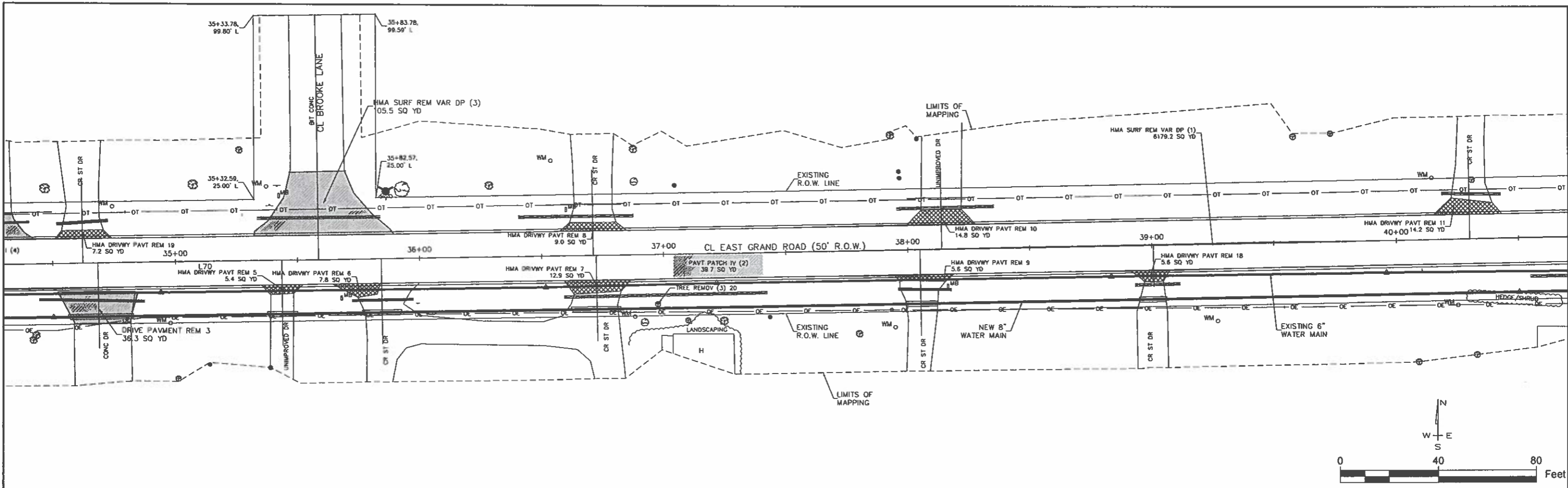
JOHN H. CRAWFORD & ASSOCIATES, P.C.
 CIVIL ENGINEERS, LAND SURVEYORS
 801 SOUTH DAWSON STREET, CARLETONVILLE, ILLINOIS 62234
 PHONE (618) 968-2378 FAX (618) 968-4882
 PROFESSIONAL DESIGN #14-0000000

USER NAME	DESIGNED	REVISION
	JHC	
PLOT SCALE	CHECKED	REVISION
	RLM	
PLOT DATE	DATE	REVISION
	10/02/18	

VILLAGE OF CRAINVILLE
 EAST GRAND ROAD IMPROVEMENT
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

NOTES, QUANTITIES, DETAILS
 EAST GRAND ROAD
 SCALE: SHEET 1 OF 1 SHEETS STA. 70 STA.

RTE	SECTION	COUNTY	TOTAL SHEETS
	17-00D13-00-PV	WILLIAMSON	53
			CONTRACT NO. 99
			ILLINOIS FED. AID PROJECT



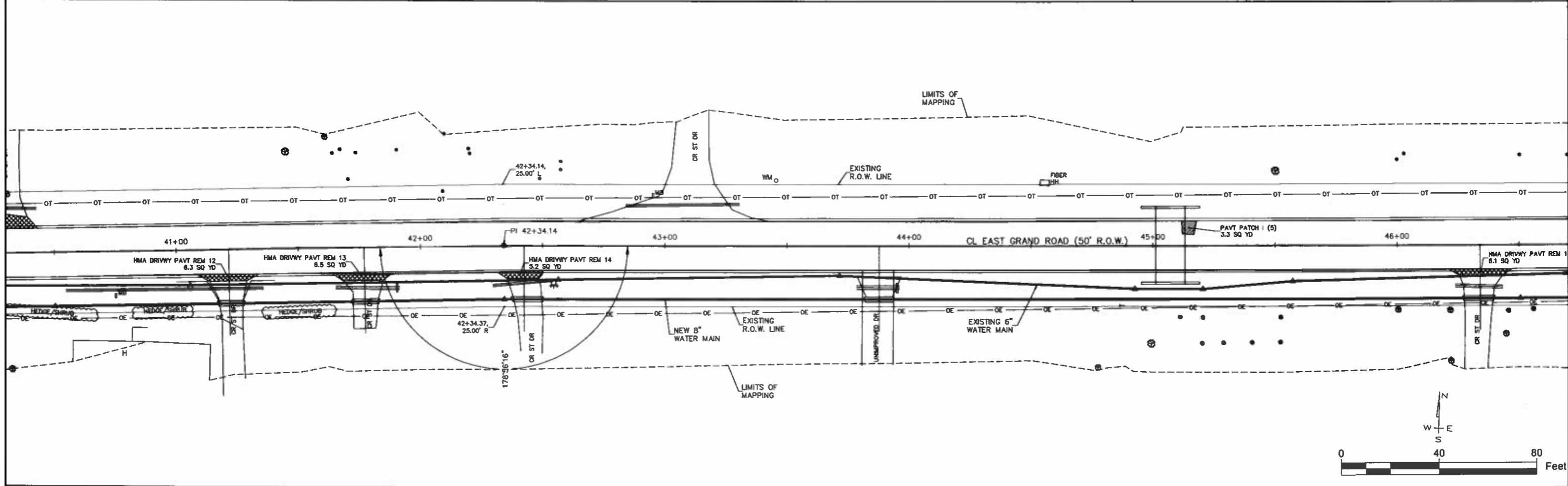
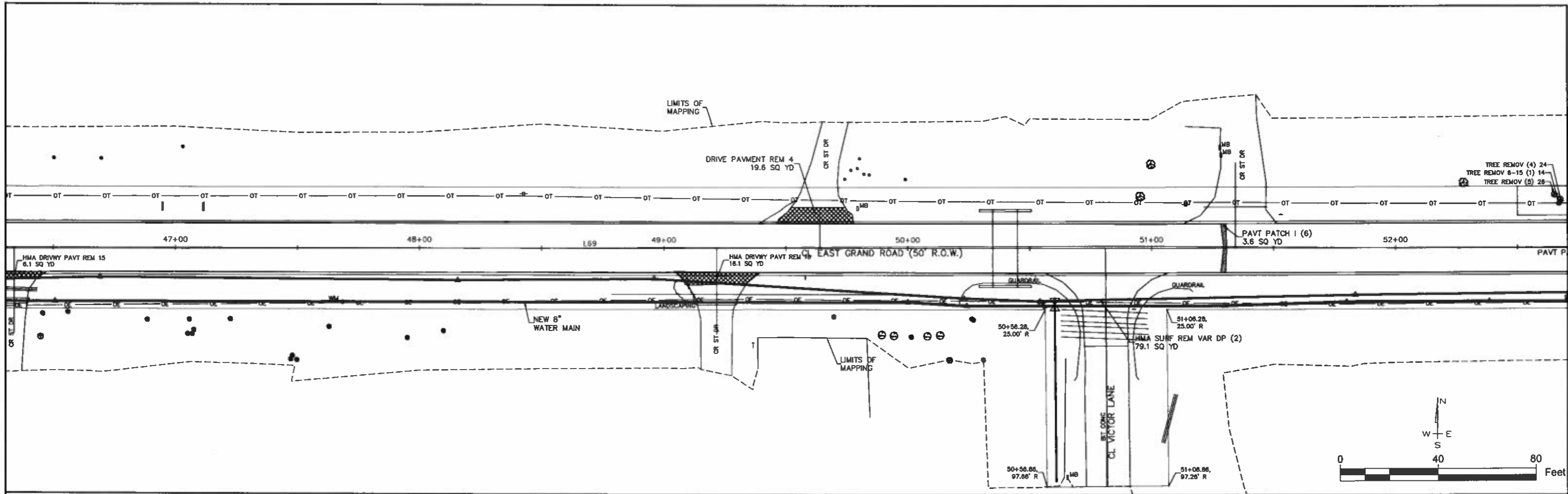

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 PHONE (618) 998-8219 FAX (618) 998-4882
 PROFESSIONAL DESIGN PERM # 124-000288

USER NAME =	DESIGNED — JHC	REVISED —
PLOT SCALE =	DRAWN — JHC	REVISED —
PLOT DATE =	CHECKED — RLM	REVISED —
	DATE — 10/02/18	REVISED —

VILLAGE OF CRAINVILLE
 EAST GRAND ROAD IMPROVEMENT
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

**DEMOLITION
 EAST GRAND ROAD**
 SCALE: 1"=20'
 SHEET 1 OF 3 SHEETS
 STA. 28+50.00 TO STA. 40+50.00

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17-00013-00-PV		WILLIAMSON	53	3
			CONTRACT NO. 99610	
ILLINOIS FED. AID PROJECT				




JOHN H. CRAWFORD & ASSOCIATES, P.C.
 CIVIL ENGINEERS, LAND SURVEYORS
 201 SOUTH DIVISION STREET, CARLETONVILLE, ILLINOIS 62211
 PHONE (618) 298-5379 FAX (618) 298-4022
 PROFESSIONAL DESIGN PRINT # 164-020265

USER NAME =	DESIGNED — JHC	REVISED —
PLOT SCALE =	DRAWN — JHC	REVISED —
PLOT DATE =	CHECKED — RLM	REVISED —
	DATE — 10/02/18	REVISED —

VILLAGE OF CRAINVILLE
EAST GRAND ROAD IMPROVEMENT
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DEMOLITION
EAST GRAND ROAD
 SCALE: 1"=20'
 SHEET 2 OF 3 SHEETS STA. 40+50.00 TO STA. 52+50.00

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00013-00-PV	WILLIAMSON	53	4
CONTRACT NO. 99610				
ILLINOIS FED. AID PROJECT				

TREE REMOV 6-15	
NAME	LOCATION
TREE REMOV 6-15 (1) 14	52+66.92, -17.91
TREE REMOV 6-15 (2) 8	52+85.68, -19.13
TREE REMOV 6-15 (3) 6	52+86.89, -21.11
TREE REMOV 6-15 (4) 14	53+02.79, -24.27
TREE REMOV 6-15 (5) 12	53+17.66, -20.29
TREE REMOV 6-15 (6) 12	53+27.80, -19.67
TREE REMOV 6-15 (7) 14	53+35.55, -20.09
TREE REMOV 6-15 (8) 10	53+76.39, -18.58
TOTAL	90

TREE REMOV OVER 15	
NAME	LOCATION
TREE REMOV (1) 48	53+38.30, -22.10
TREE REMOV (2) 48	33+79.69, 18.85
TREE REMOV (3) 20	36+97.28, 20.27
TREE REMOV (4) 24	52+67.60, -19.53
TREE REMOV (5) 28	52+65.08, -21.53
TREE REMOV (6) 42	52+93.33, -22.45
TREE REMOV (7) 17	53+17.52, -23.41
TREE REMOV (8) 18	53+25.80, -21.60
TREE REMOV (9) 24	53+37.49, -22.08
TREE REMOV (10) 24	53+43.23, -19.91
TREE REMOV (11) 30	53+57.83, -20.37
TREE REMOV (12) 20	53+60.29, -18.66
TREE REMOV (13) 16	53+62.70, -19.08
TREE REMOV (14) 48	33+88.94, 18.88
TOTAL	405

PAVT PATCH I	
NAME	AREA
PAVT PATCH I (1)	0.5 SQ YD
PAVT PATCH I (2)	3.2 SQ YD
PAVT PATCH I (3)	2.5 SQ YD
PAVT PATCH I (4)	0.5 SQ YD
PAVT PATCH I (5)	3.3 SQ YD
PAVT PATCH I (6)	3.6 SQ YD
PAVT PATCH I (7)	1.5 SQ YD
PAVT PATCH I (8)	1.2 SQ YD
TOTAL	16.3 SQ YD

PAVT PATCH II	
NAME	AREA
PAVT PATCH II (1)	11.8 SQ YD
PAVT PATCH II (2)	14.6 SQ YD
PAVT PATCH II (3)	8.8 SQ YD
TOTAL	35.2 SQ YD

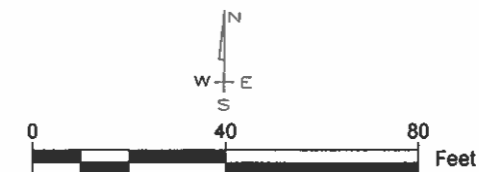
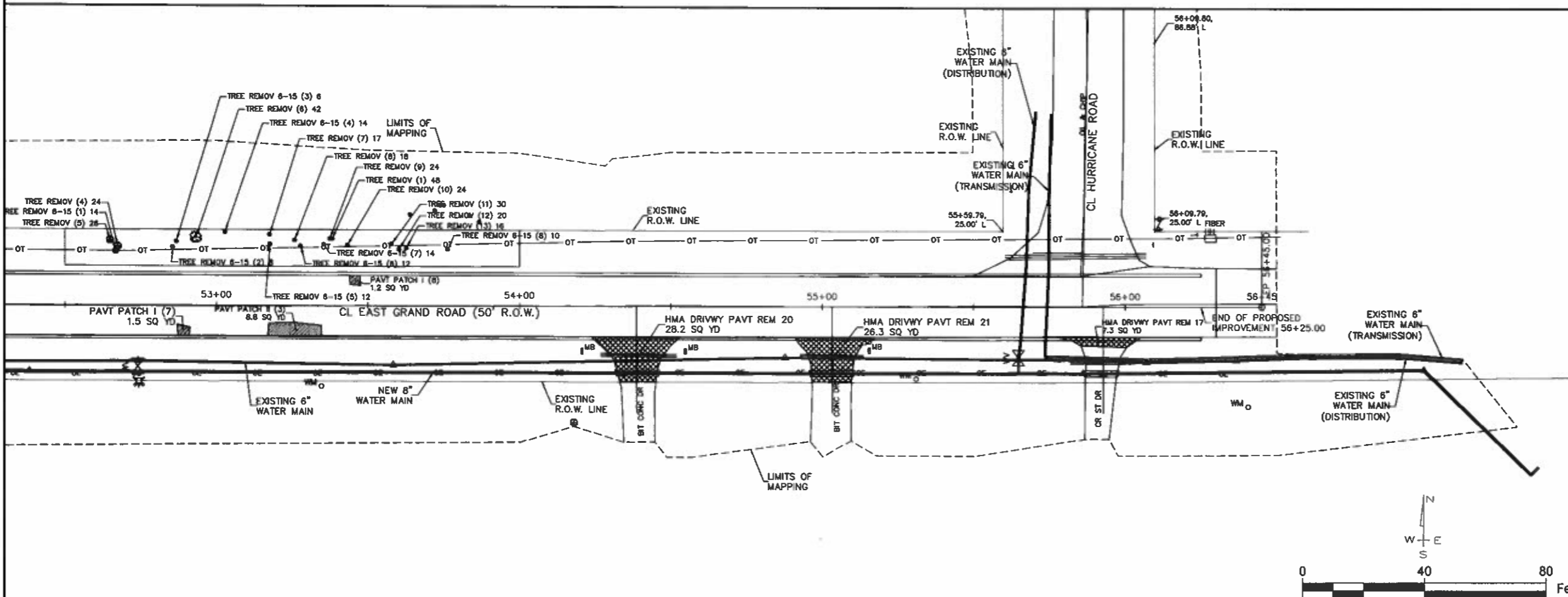
PAVT PATCH IV	
NAME	AREA
PAVT PATCH IV (1)	60.1 SQ YD
PAVT PATCH IV (2)	39.7 SQ YD
TOTAL	99.8 SQ YD

HMA DRIVWY PAVT REM	
NAME	AREA
HMA DRIVWY PAVT REM 1	10.4 SQ YD
HMA DRIVWY PAVT REM 2	4.5 SQ YD
HMA DRIVWY PAVT REM 3	10.7 SQ YD
HMA DRIVWY PAVT REM 4	6.5 SQ YD
HMA DRIVWY PAVT REM 5	5.4 SQ YD
HMA DRIVWY PAVT REM 6	7.8 SQ YD
HMA DRIVWY PAVT REM 7	12.9 SQ YD
HMA DRIVWY PAVT REM 8	9.0 SQ YD
HMA DRIVWY PAVT REM 9	5.6 SQ YD
HMA DRIVWY PAVT REM 10	14.8 SQ YD
HMA DRIVWY PAVT REM 11	14.2 SQ YD
HMA DRIVWY PAVT REM 12	6.3 SQ YD

HMA DRIVWY PAVT REM	
NAME	AREA
HMA DRIVWY PAVT REM 13	6.5 SQ YD
HMA DRIVWY PAVT REM 14	5.2 SQ YD
HMA DRIVWY PAVT REM 15	8.1 SQ YD
HMA DRIVWY PAVT REM 16	16.1 SQ YD
HMA DRIVWY PAVT REM 17	7.3 SQ YD
HMA DRIVWY PAVT REM 18	5.6 SQ YD
HMA DRIVWY PAVT REM 19	7.2 SQ YD
HMA DRIVWY PAVT REM 20	28.2 SQ YD
HMA DRIVWY PAVT REM 21	26.3 SQ YD
TOTAL	216.6 SQ YD

DRIVEWAY PAVEMENT REMOVAL	
NAME	AREA
DRIVE PAVMENT REM 1	20.9 SQ YD
DRIVE PAVMENT REM 2	20.9 SQ YD
DRIVE PAVMENT REM 3	36.3 SQ YD
DRIVE PAVMENT REM 4	19.6 SQ YD
TOTAL	97.7 SQ YD

HMA SURF REM VAR DP	
NAME	AREA
HMA SURF REM VAR DP (1)	6179.2 SQ YD
HMA SURF REM VAR DP (2)	79.1 SQ YD
HMA SURF REM VAR DP (3)	105.5 SQ YD
TOTAL	6363.8 SQ YD



JOHN H. CRAWFORD & ASSOCIATES, P.C.
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 PROFESSIONAL DESIGN PERM # 164-022669

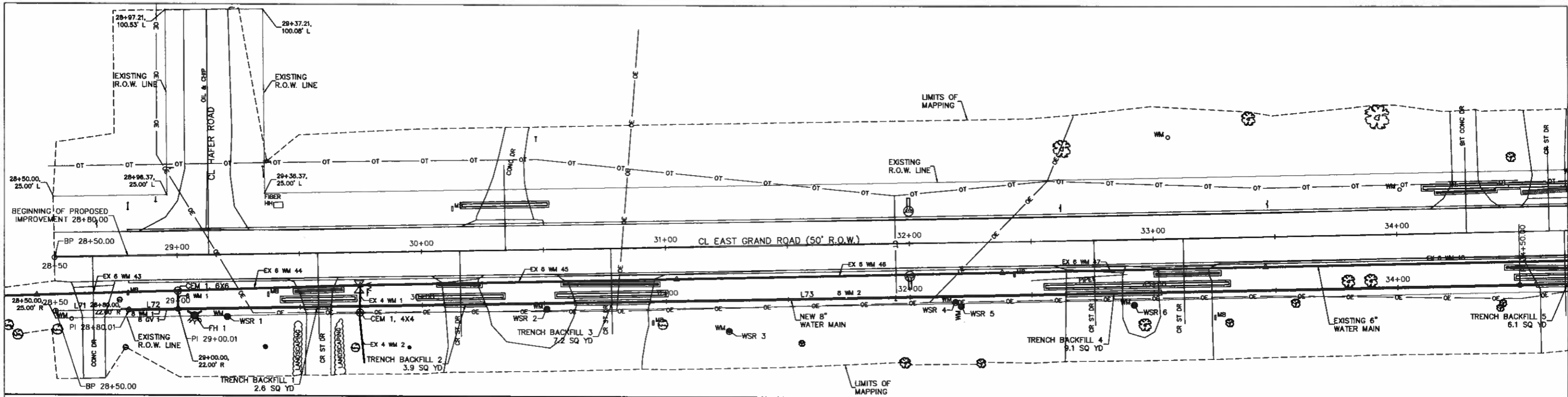
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PLOT SCALE =	DRAWN -- JHC	REVISED --
PLOT DATE =	CHECKED -- RLM	REVISED --
	DATE -- 10/02/18	REVISED --

VILLAGE OF CRAINVILLE
 EAST GRAND ROAD IMPROVEMENT
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE: 1"=20'
 SHEET 3 OF 3 SHEETS
 STA 52+50.00 TO STA. 58+50.00

**DEMOLITION
 EAST GRAND ROAD**

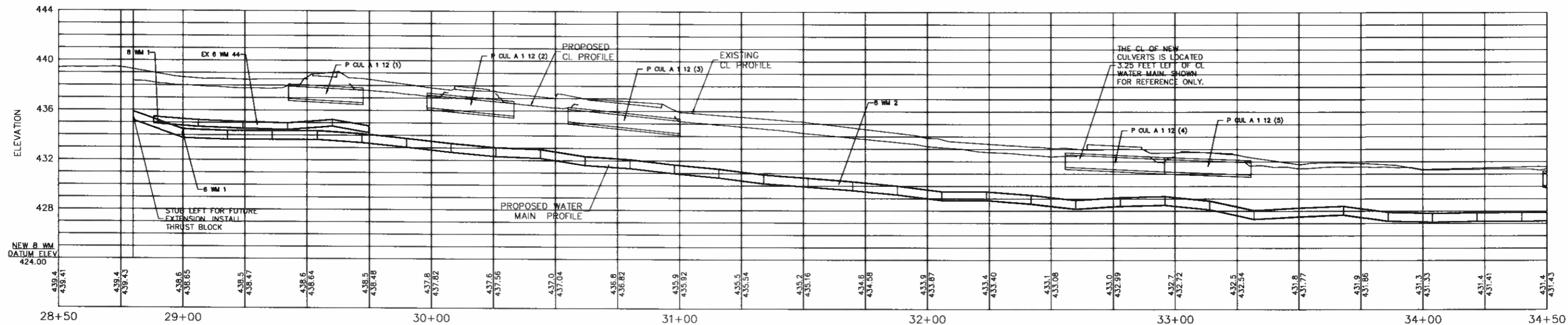
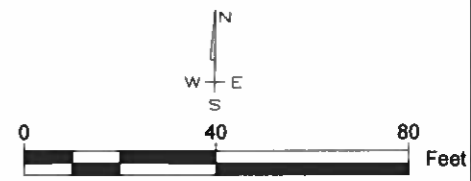
RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00013-00-PV	WILLIAMSON	53	5
CONTRACT NO. 99610				
ILLINOIS FED. AID PROJECT				



NEW 8 WM							
NUMBER	START STA	START N E	RADIUS	LENGTH	LINE/CHORD BEARING	END STA	END N E
L71	28+50.00	399041.86 773181.32		30.01	N88° 51' 18"E	28+80.01	399042.46 773211.32
L72	28+80.01	399042.46 773211.32		20.00	N88° 51' 18"E	29+00.01	399042.86 773231.32
L73	29+00.01	399042.86 773231.32		549.99	N88° 51' 18"E	34+50.00	399053.85 773781.20
L74	34+50.00	399053.85 773781.20		600.00	N88° 51' 18"E	40+50.00	399065.84 774381.08
L75	40+50.00	399065.84 774381.08		183.95	N88° 51' 18"E	42+33.95	399069.51 774564.99

NEW 8 WM							
NUMBER	START STA	START N E	RADIUS	LENGTH	LINE/CHORD BEARING	END STA	END N E
L76	42+33.95	399069.51 774564.99		416.28	N89° 55' 02"E	46+50.22	399070.12 774981.26
L77	46+50.22	399070.12 774981.26		349.38	N89° 55' 02"E	49+99.60	399070.62 775330.64
L78	49+99.60	399070.62 775330.64		24.22	S86° 31' 56"E	50+23.82	399069.15 775354.82
L79	50+23.82	399069.15 775354.82		105.83	N89° 55' 02"E	51+29.65	399069.31 775460.65
L80	51+29.65	399069.31 775460.65		50.02	N88° 11' 56"E	51+79.67	399070.88 775510.64

NEW 8 WM							
NUMBER	START STA	START N E	RADIUS	LENGTH	LINE/CHORD BEARING	END STA	END N E
LB1	51+79.67	399070.88 775510.64		58.47	N89° 55' 02"E	52+38.14	399070.96 775569.11
LB3	56+98.04	399072.72 776029.01		49.31	S45° 38' 20"E	57+47.35	399038.24 776064.26



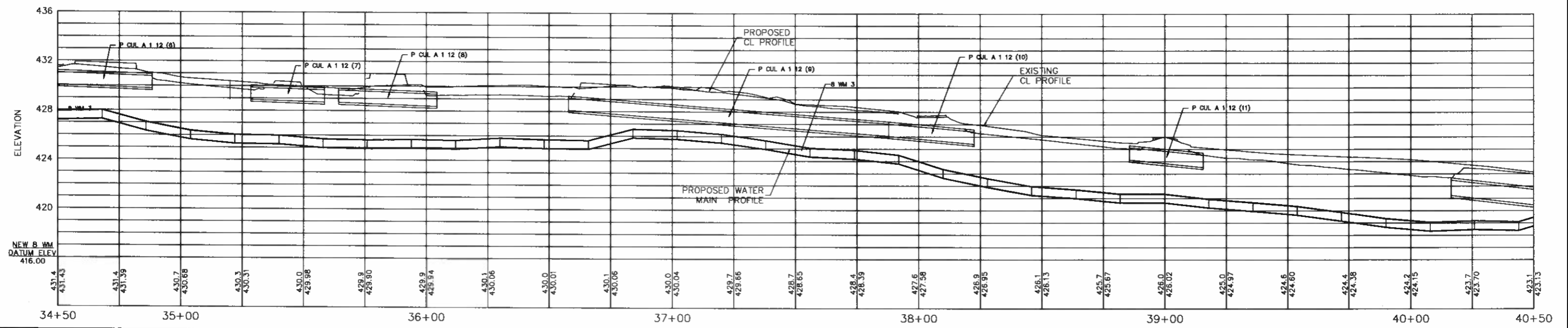
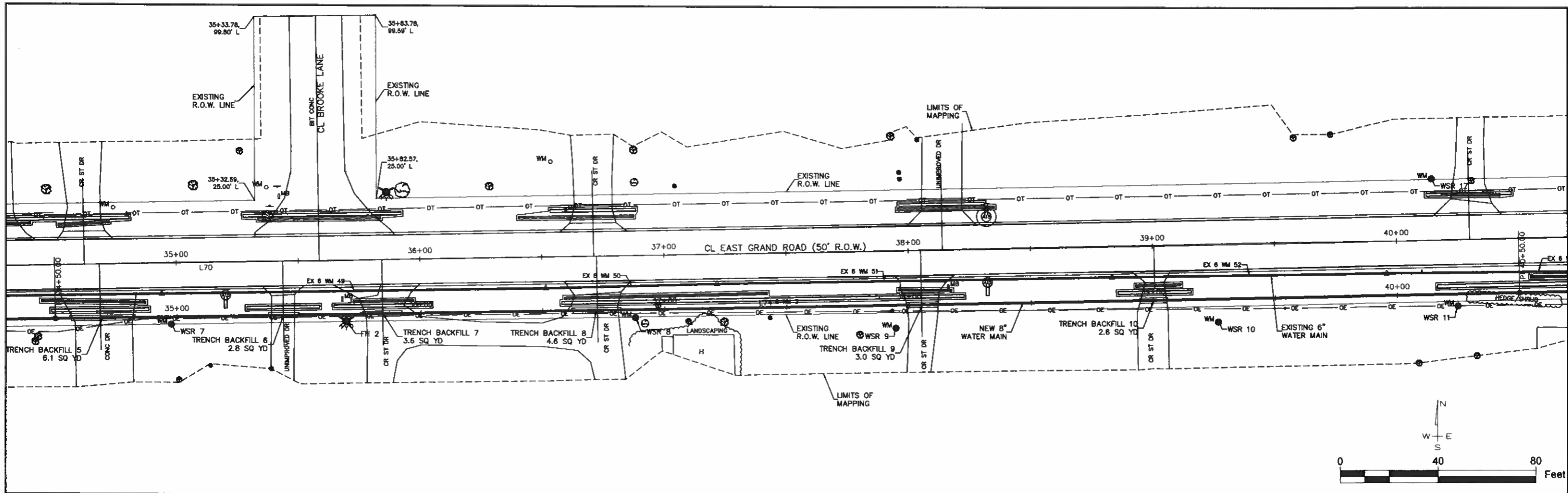
JOHN H. CRAWFORD & ASSOCIATES, P.C.
CIVIL ENGINEERS, LAND SURVEYORS
381 SOUTH DIVISION STREET - CARTERSVILLE, ILLINOIS 62914
PHONE: (618) 884-4379 FAX: (618) 884-4822
PROFESSIONAL DESIGN PERM # 184-002863

USER NAME	DESIGNED	REVISED
—	— JHC	—
PLOT SCALE	DRAWN	REVISED
—	— JHC	—
PLOT DATE	CHECKED	REVISED
—	— RLM	—
	DATE	REVISED
	— 10/02/18	—

VILLAGE OF CRAINVILLE
EAST GRAND ROAD IMPROVEMENT
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE WATER MAIN
EAST GRAND ROAD
SCALE: 1"=20'
SHEET 1 OF 5 SHEETS STA. 28+50.00 TO STA. 34+50.00

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17-00013-00-PV		WILLIAMSON	53	6
CONTRACT NO. 99610			ILLINOIS FED. AID PROJECT	



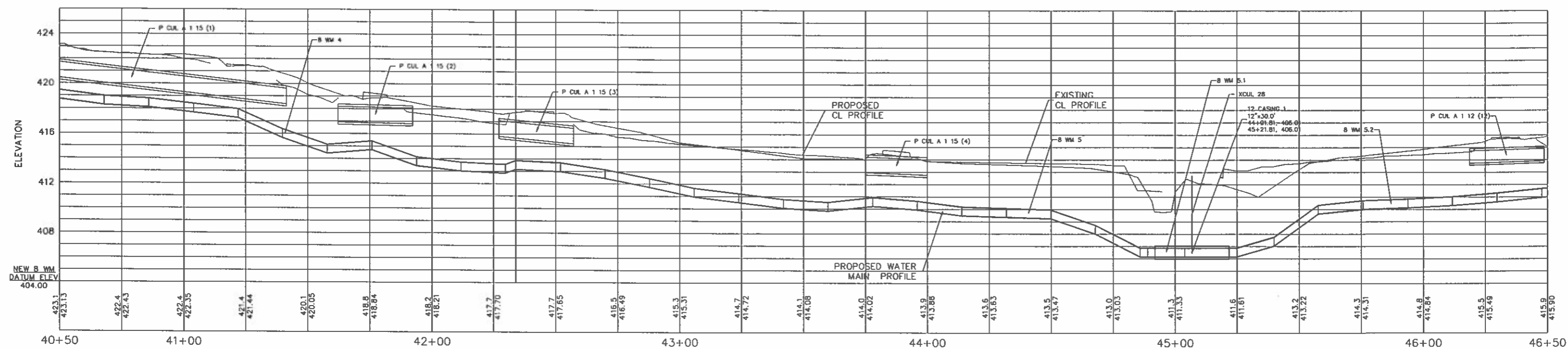
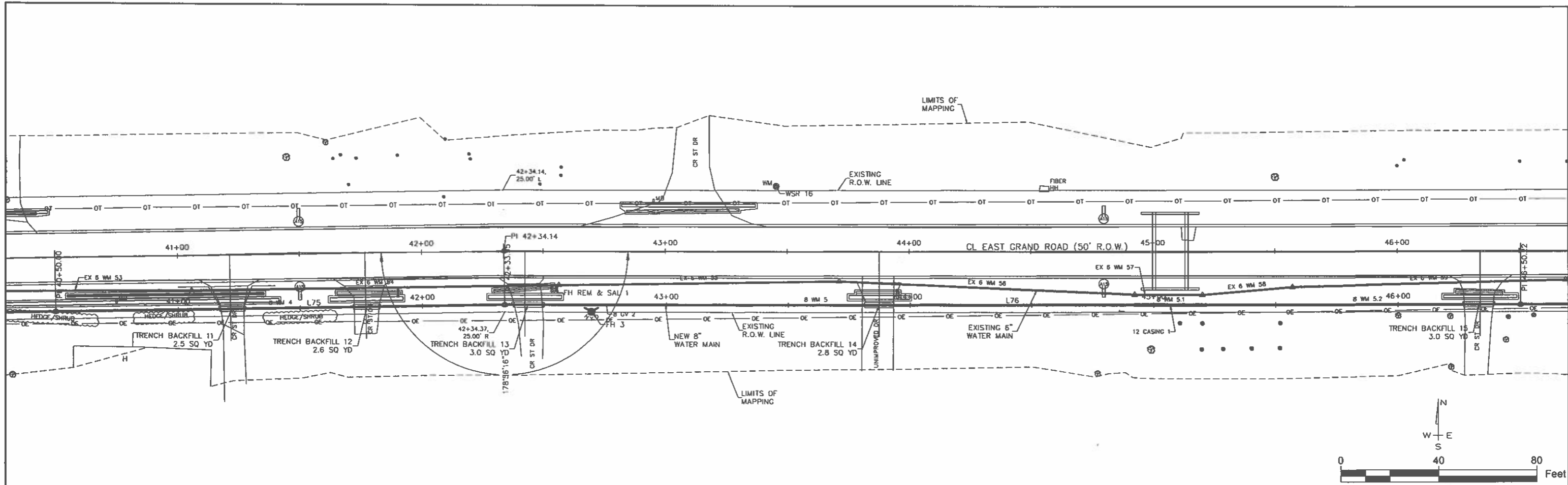
JOHN H. CRAWFORD & ASSOCIATES, P.C.
 CIVIL ENGINEERS, LAND SURVEYORS
 381 SOUTH DIVISION STREET, CARLETONVILLE, ILLINOIS 62231
 PHONE (618) 985-4378 FAX (618) 105-4882
 PROFESSIONAL DESIGN PERM # 154-02286

USER NAME =	DESIGNED -- JHC	REVISED --
PLOT SCALE =	DRAWN -- JHC	REVISED --
PLOT DATE =	CHECKED -- RLM	REVISED --
	DATE -- 10/02/18	REVISED --

VILLAGE OF CRAINVILLE
EAST GRAND ROAD IMPROVEMENT
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE WATER MAIN
EAST GRAND ROAD
 SCALE: 1"=20'
 SHEET 2 OF 5 SHEETS STA. 34+50.00 TO STA. 40+50.00

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17-00013-00-PV		WILLIAMSON	53	7
ILLINOIS FED. AID PROJECT			CONTRACT NO. 99610	



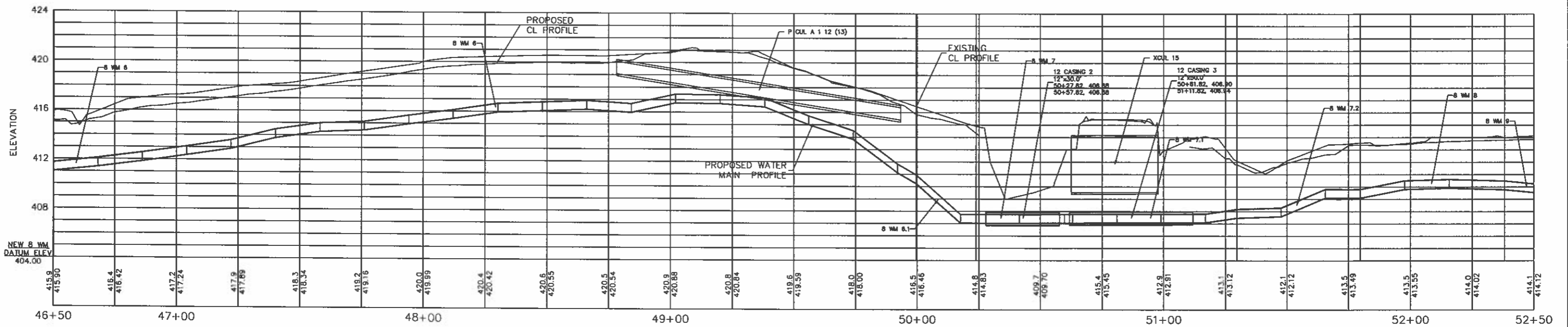
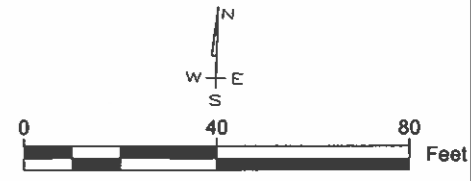
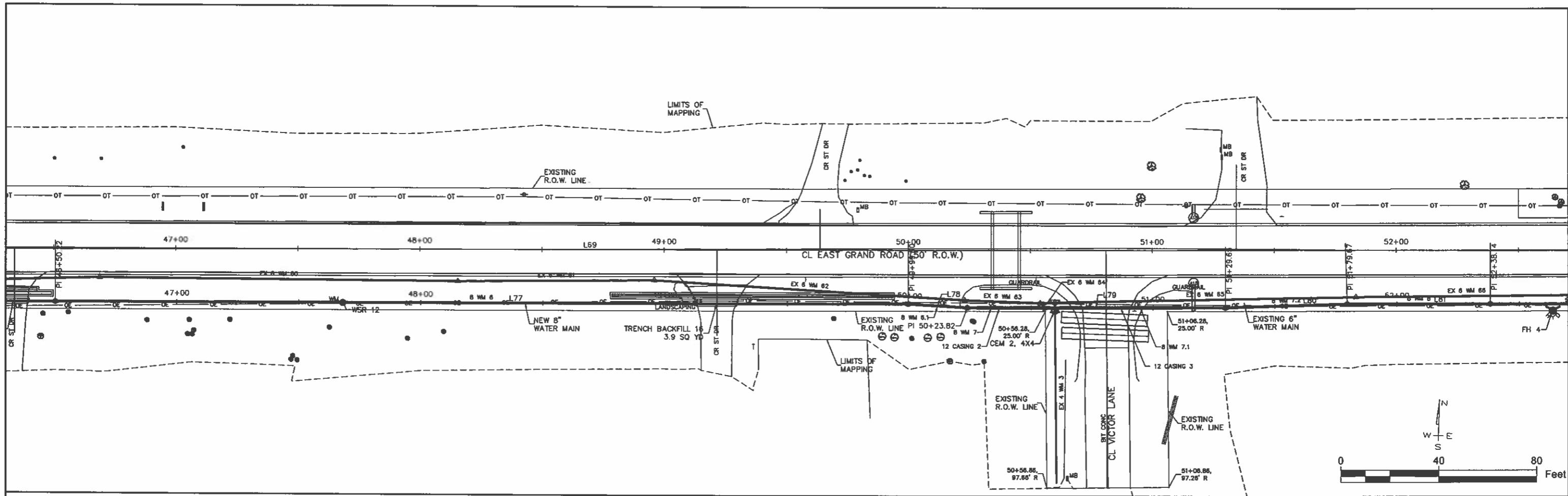
JOHN H. CRAWFORD & ASSOCIATES, P.C.
 CIVIL ENGINEERS, LAND SURVEYORS
 301 SOUTH DUNDEN STREET, CARLEVILLE, ILLINOIS 62916
 PHONE (618) 266-4339 FAX (618) 266-4992
 PROFESSIONAL DESIGN PERM # 184-022885

USER NAME =	DESIGNED - JHC	REVISED -
DRAWN - JHC	CHECKED - RLM	REVISÉ -
PLOT SCALE =	DATE - 10/02/18	REVISÉ -
PLOT DATE =		

VILLAGE OF CRAINVILLE
EAST GRAND ROAD IMPROVEMENT
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE WATER MAIN
EAST GRAND ROAD
 SCALE: 1"=20'
 SHEET 3 OF 5 SHEETS STA. 40+50.00 TO STA. 46+50.00

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00013-00-PV	WILLIAMSON	53	8
CONTRACT NO. 99610			ILLINOIS FED. AID PROJECT	



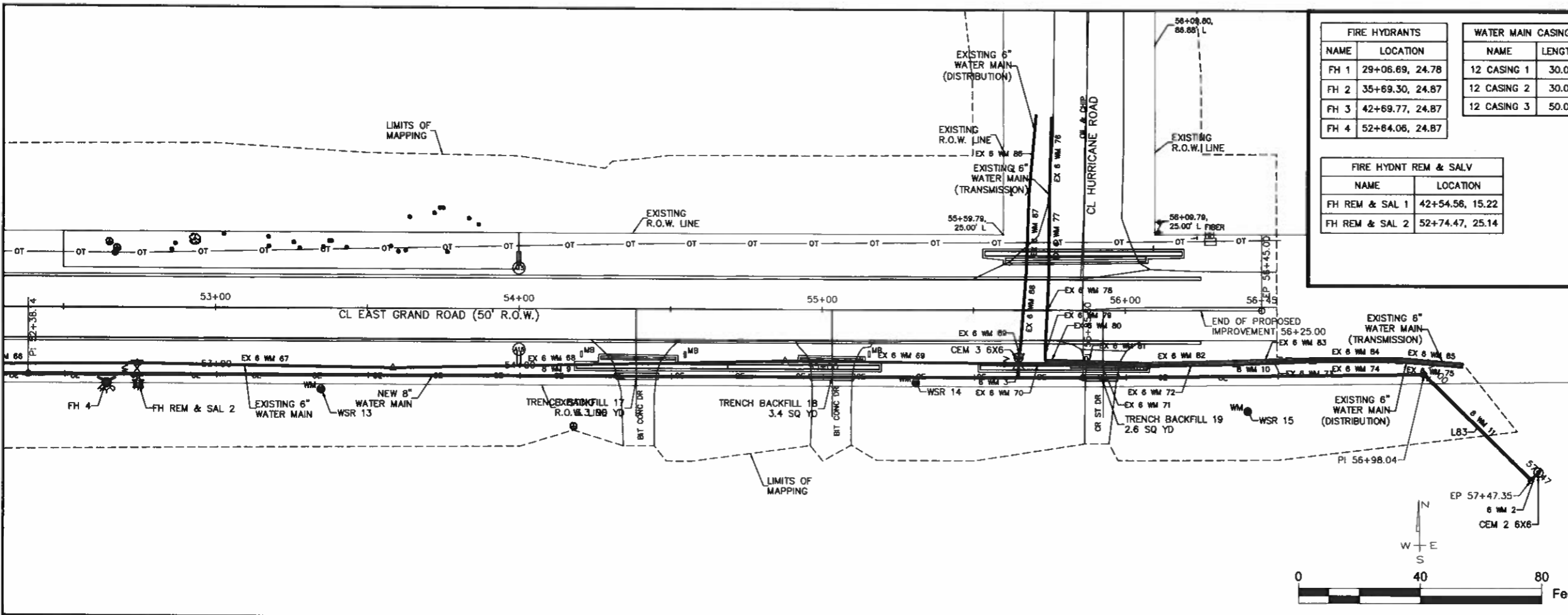
JOHN H. CRAWFORD & ASSOCIATES, P.C.
 CIVIL ENGINEERS, LAND SURVEYORS
 201 SOUTH OSBORN STREET, CANTONVILLE, ILLINOIS 62901
 PHONE (618) 986-4378 FAX (618) 986-4882
 PROFESSIONAL DESIGN PERM # 134-022885

USER NAME =	DESIGNED = JHC	REVISED =
PLOT SCALE =	DRAWN = JHC	REVISED =
PLOT DATE =	CHECKED = RLM	REVISED =
	DATE = 10/02/18	REVISED =

VILLAGE OF CRAINVILLE
EAST GRAND ROAD IMPROVEMENT
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE WATER MAIN
EAST GRAND ROAD
 SCALE: 1"=20'
 SHEET 4 OF 5 SHEETS STA. 46+50.00 TO STA. 52+50.00

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17-00013-00-PV		WILLIAMSON	53	9
CONTRACT NO. 99610			ILLINOIS FED. AID PROJECT	



FIRE HYDRANTS	
NAME	LOCATION
FH 1	29+06.69, 24.78
FH 2	35+69.30, 24.87
FH 3	42+69.77, 24.87
FH 4	52+64.06, 24.87

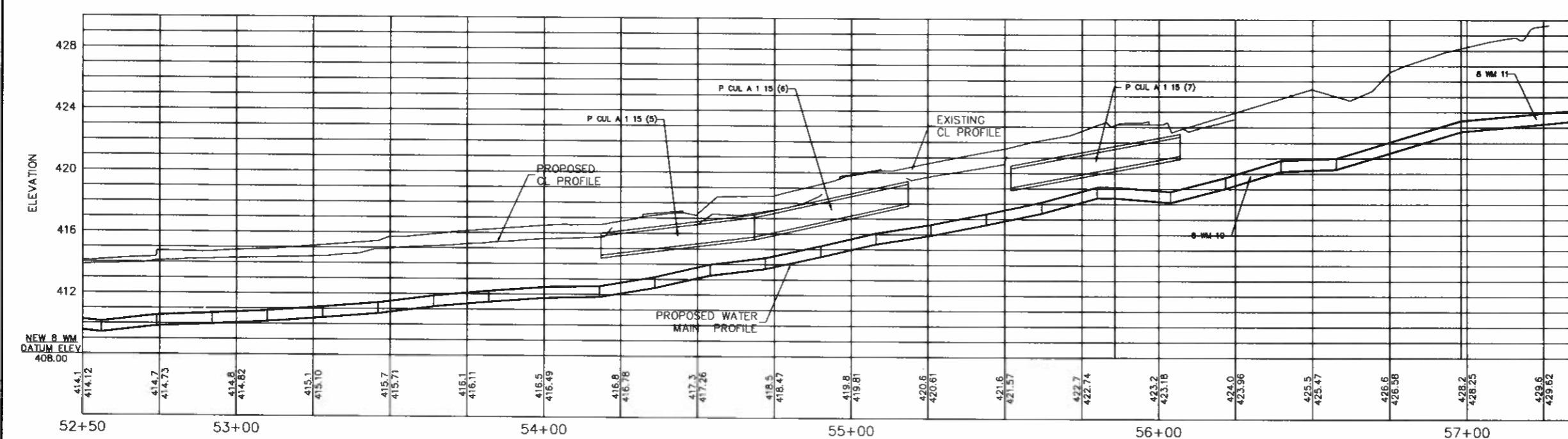
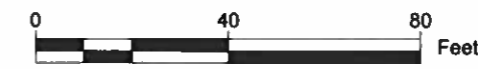
WATER MAIN CASING	
NAME	LENGTH
12 CASING 1	30.0
12 CASING 2	30.0
12 CASING 3	50.0

FIRE HYDRANT REM & SALV	
NAME	LOCATION
FH REM & SAL 1	42+54.56, 15.22
FH REM & SAL 2	52+74.47, 25.14

DOM WAT SER BOX ADJ	
NAME	LOCATION
WSR 1	29+20.17, 25.40
WSR 2	30+50.98, 24.44
WSR 3	31+25.52, 34.72
WSR 4	32+18.59, 24.47
WSR 5	32+20.86, 26.19
WSR 6	32+91.79, 27.00
WSR 7	34+97.54, 24.99
WSR 8	36+87.85, 25.22
WSR 9	37+94.44, 31.39
WSR 10	39+26.47, 31.38
WSR 11	40+24.74, 26.87
WSR 12	47+68.49, 22.07
WSR 13	53+34.75, 26.67
WSR 14	55+31.02, 23.78
WSR 15	56+40.40, 33.00
WSR 16	43+45.63, -26.69
WSR 17	40+14.80, -25.29

PRESSURE PIPE TABLE	
PIPE NAME	LENGTH
6 WM 1	7.55
6 WM 2	3.45
6 WM 3	6.58
8 WM 1	20.00
8 WM 2	549.99
8 WM 3	600.00
8 WM 4	183.95
8 WM 5	254.88
8 WM 5.1	36.01
8 WM 5.2	125.38
8 WM 6	349.38
8 WM 6.1	24.15
8 WM 7	36.07
8 WM 7.1	69.82
8 WM 7.2	50.05
8 WM 8	58.45
8 WM 9	347.66
8 WM 10	112.26
8 WM 11	49.31
TOTAL 6 WM	17.57
TOTAL 8 WM	2867.35

GATE VALVES	
NAME	LOCATION
8 GV 1	28+95.75, 22.00
8 GV 2	42+75.59, 22.00



PRESSURE CONNECT	
NAME	LOCATION
CEM 1 4X4	29+74.38, 24.64
CEM 1 6X6	29+00.00, 14.45
CEM 2 4X4	50+60.18, 24.62
CEM 2 6X6	57+47.35, -3.45
CEM 3 6X6	55+64.87, 15.42

TRENCH BACKFILL AREA (WATER)	
NAME	AREA
TRENCH BACKFILL 1	2.6 SQ YD
TRENCH BACKFILL 2	3.9 SQ YD
TRENCH BACKFILL 3	7.2 SQ YD
TRENCH BACKFILL 4	9.1 SQ YD
TRENCH BACKFILL 5	6.1 SQ YD
TRENCH BACKFILL 6	2.8 SQ YD
TRENCH BACKFILL 7	3.6 SQ YD
TRENCH BACKFILL 8	4.6 SQ YD
TRENCH BACKFILL 9	3.0 SQ YD
TRENCH BACKFILL 10	2.6 SQ YD
TRENCH BACKFILL 11	2.5 SQ YD
TRENCH BACKFILL 12	2.6 SQ YD
TRENCH BACKFILL 13	3.0 SQ YD
TRENCH BACKFILL 14	2.8 SQ YD
TRENCH BACKFILL 15	3.0 SQ YD
TRENCH BACKFILL 16	3.9 SQ YD
TRENCH BACKFILL 17	3.3 SQ YD
TRENCH BACKFILL 18	3.4 SQ YD
TRENCH BACKFILL 19	2.6 SQ YD
TOTAL	72.6 SQ YD
4' DEPTH	96.8 CU YD

DESCRIPTION	QUANTITY	UNIT
WATER MAIN 6"	20	FOOT
WATER MAIN 8"	2870	FOOT
WATER VALVES 8"	2	EACH
FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	4	EACH
DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED	17	EACH
INLETS, TYPE A, TYPE 15 FRAME AND GRATE	14	EACH
FIRE HYDRANTS TO BE REMOVED & SALVAGED	2	EACH
PRESSURE CONNECTION 4" X 4"	2	EACH
PRESSURE CONNECTION 6" X 6"	3	EACH
STEEL CASINGS 12"	110	FOOT

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 201 SOUTH GARDNER STREET, CARLETONVILLE, ILLINOIS 62934
 PHONE 618-366-8279 FAX 618-366-4922
 PROFESSIONAL DESIGN PERM # 134-028866

USER NAME --
 PLOT SCALE --
 PLOT DATE --

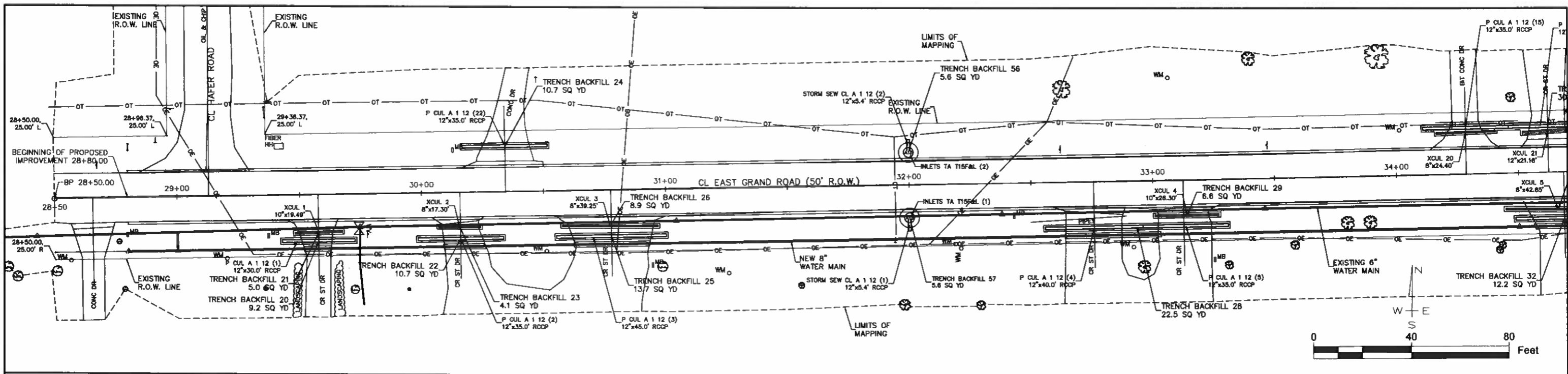
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 DRAWN -- JHC
 CHECKED -- RLM
 DATE -- 10/02/18

VILLAGE OF CRAINVILLE
 EAST GRAND ROAD IMPROVEMENT
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

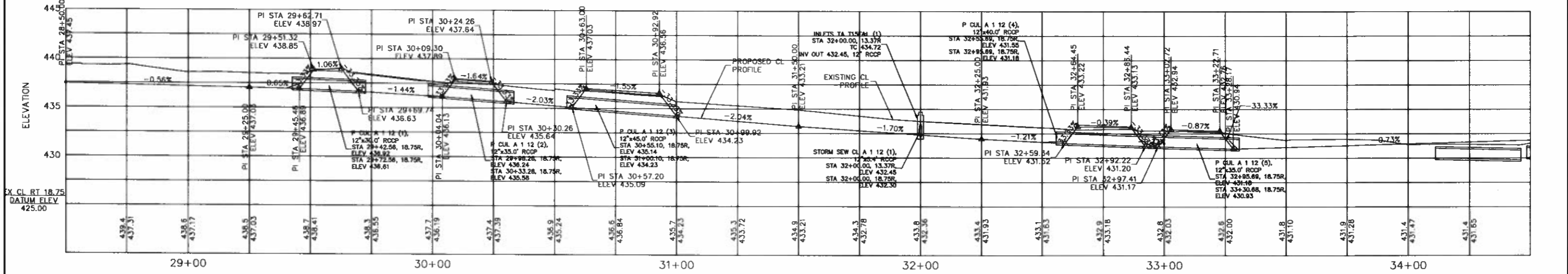
PLAN & PROFILE WATER MAIN
 EAST GRAND ROAD
 SCALE: 1"=20'
 SHEET 5 OF 5 SHEETS
 STA. 52+50.00 TO STA. 56+50.00

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00013-00-PV	WILLIAMSON	53	10

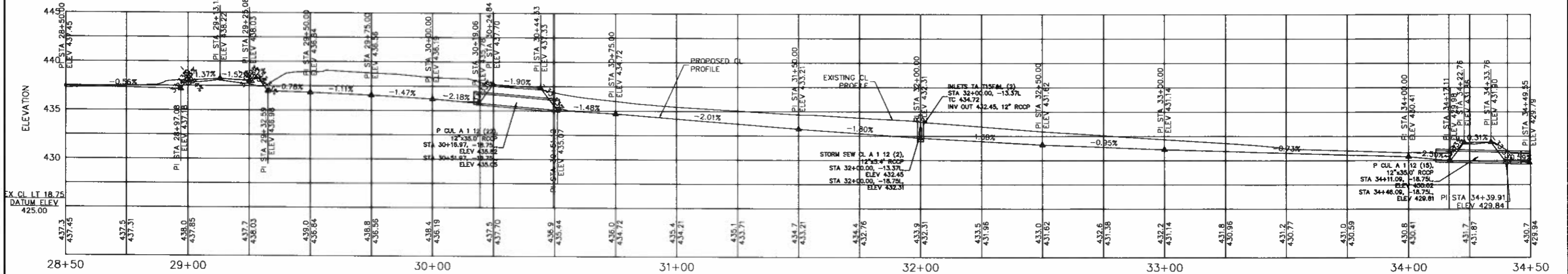
CONTRACT NO. 99610
 ILLINOIS FED. AID PROJECT



18.75' RT - SPECIAL DITCH/HINGE



18.75' LT - SPECIAL DITCH/HINGE



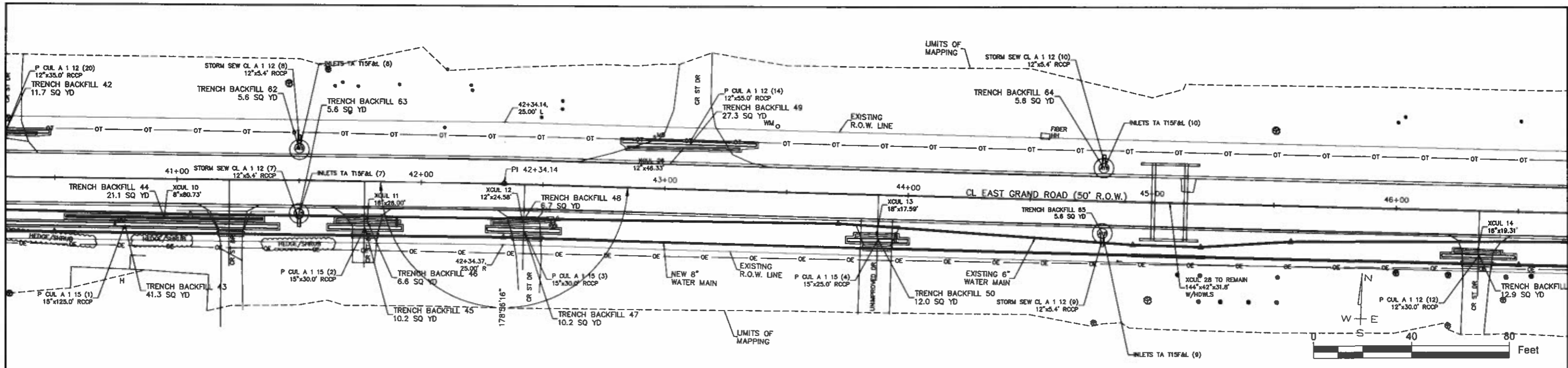
JOHN H. CRAWFORD & ASSOCIATES, P.C.
 CIVIL ENGINEERS, LAND SURVEYORS
 385 SOUTH DIVISION STREET, CARLETONVILLE, ILLINOIS 62014
 PHONE 618-994-5170 FAX 618-994-4800
 PROFESSIONAL DESIGN FIRM # 134-022260

USER NAME =	DESIGNED -- JHC	REVISED --
PLOT SCALE =	DRAWN -- JHC	REVISED --
PLOT DATE =	CHECKED -- RLM	REVISED --
	DATE -- 10/02/18	REVISED --

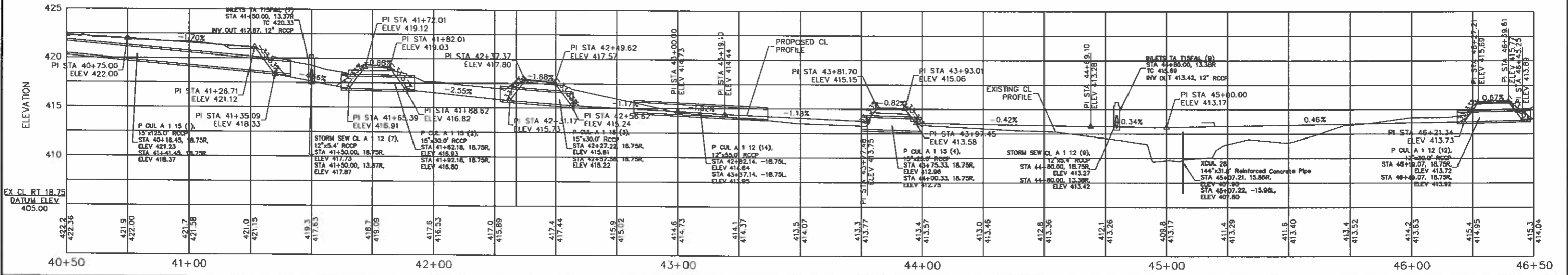
VILLAGE OF CRAINVILLE
 EAST GRAND ROAD IMPROVEMENT
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE
 EAST GRAND ROAD
 SCALE: 1"=20'
 SHEET 1 OF 6 SHEETS
 STA. 28+50.00 TO STA. 34+50.00

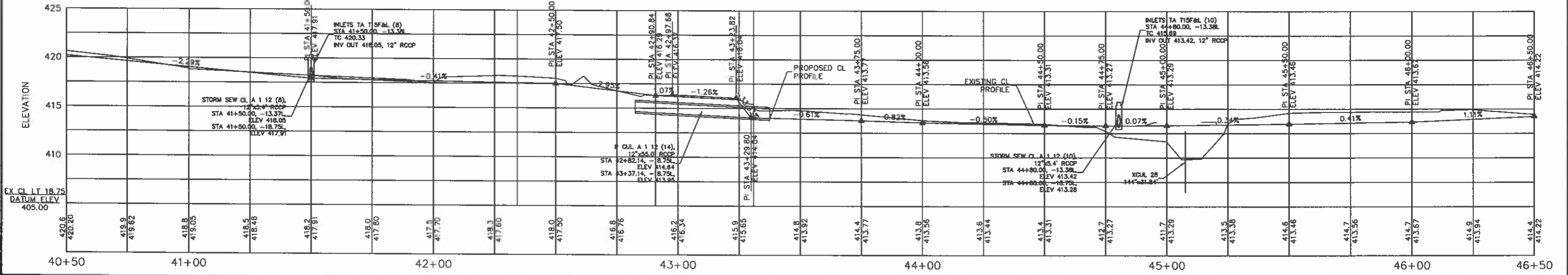
RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17-00013-00-PV		WILLIAMSON	53	11
CONTRACT NO. 99610			ILLINOIS FED. AID PROJECT	



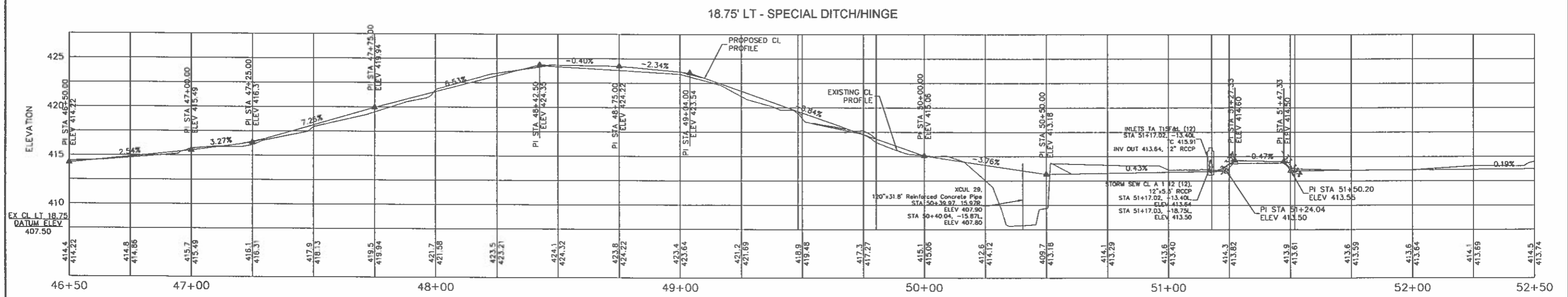
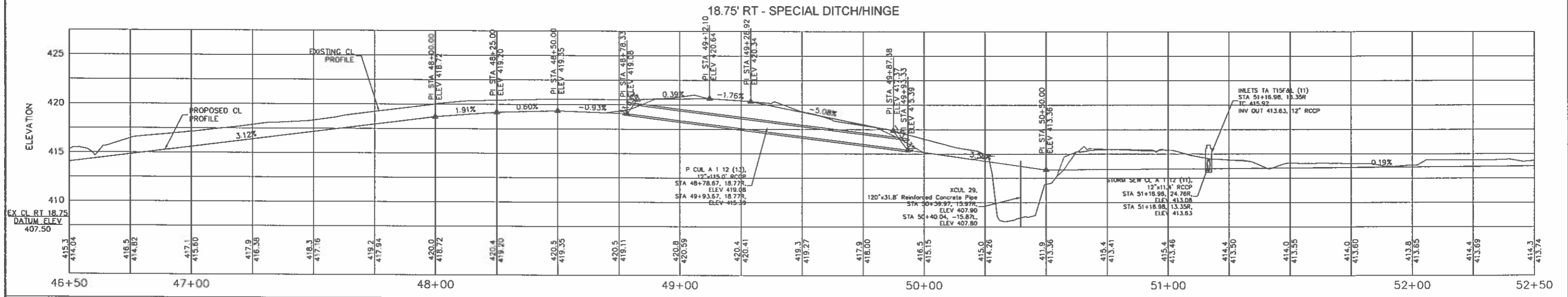
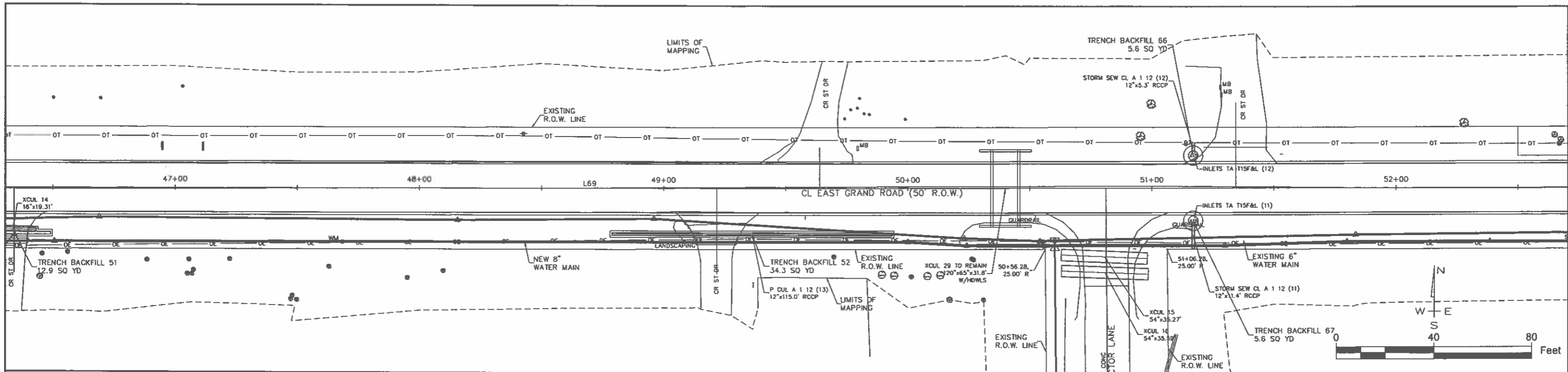
18.75' RT - SPECIAL DITCH/HINGE



18.75' LT - SPECIAL DITCH/HINGE



<p>JOHN H. CRAWFORD & ASSOCIATES, P.C. CIVIL ENGINEERS, LAND SURVEYORS 201 SOUTH DIVISION STREET, CARLETONVILLE, ILLINOIS 62219 PHONE (618) 481-4376 FAX (618) 481-4882 PROFESSIONAL DESIGN PERM # 184-028869</p>	USER NAME =	DESIGNED - JHC	REVISED -	<p>VILLAGE OF CRAINVILLE EAST GRAND ROAD IMPROVEMENT STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p>	DRAINAGE PLAN & PROFILE EAST GRAND ROAD		SCALE: 1"=20'	SHEET 3 OF 6 SHEETS	STA. 40+50.00 TO STA. 46+50.00	<table border="1"> <tr> <th>ROUTE</th> <th>SECTION</th> <th>COUNTY</th> <th>TOTAL SHEETS</th> <th>SHEET NO.</th> </tr> <tr> <td>17-00013-00-PV</td> <td></td> <td>WILLIAMSON</td> <td>53</td> <td>13</td> </tr> </table>	ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	17-00013-00-PV		WILLIAMSON	53	13
	ROUTE	SECTION	COUNTY		TOTAL SHEETS	SHEET NO.														
	17-00013-00-PV		WILLIAMSON		53	13														
	PLOT SCALE =	CHECKED - RLM	REVISED -			CONTRACT NO. 99610														
PLOT DATE =	DATE - 10/02/18	REVISED -		ILLINOIS FED. AID PROJECT																



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 PHONE (618) 993-0378 FAX (618) 993-0882
 PROFESSIONAL DESIGN NUMBER 14-002286

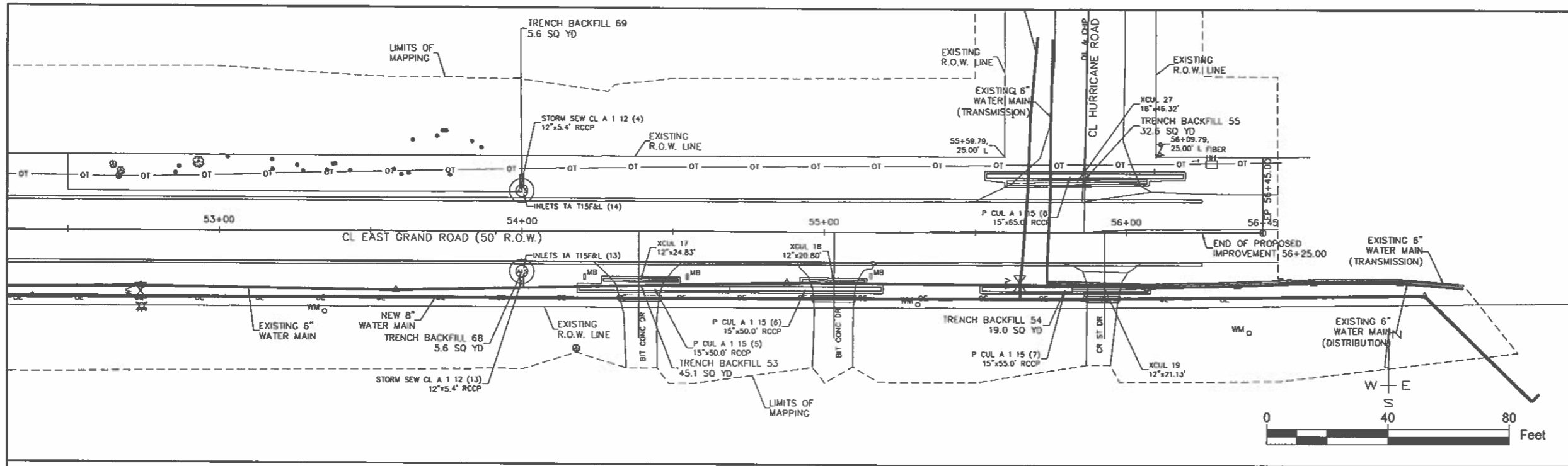
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PLOT SCALE =	DRAWN - JHC	REVISED -
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VILLAGE OF CRAINVILLE
 EAST GRAND ROAD IMPROVEMENT
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

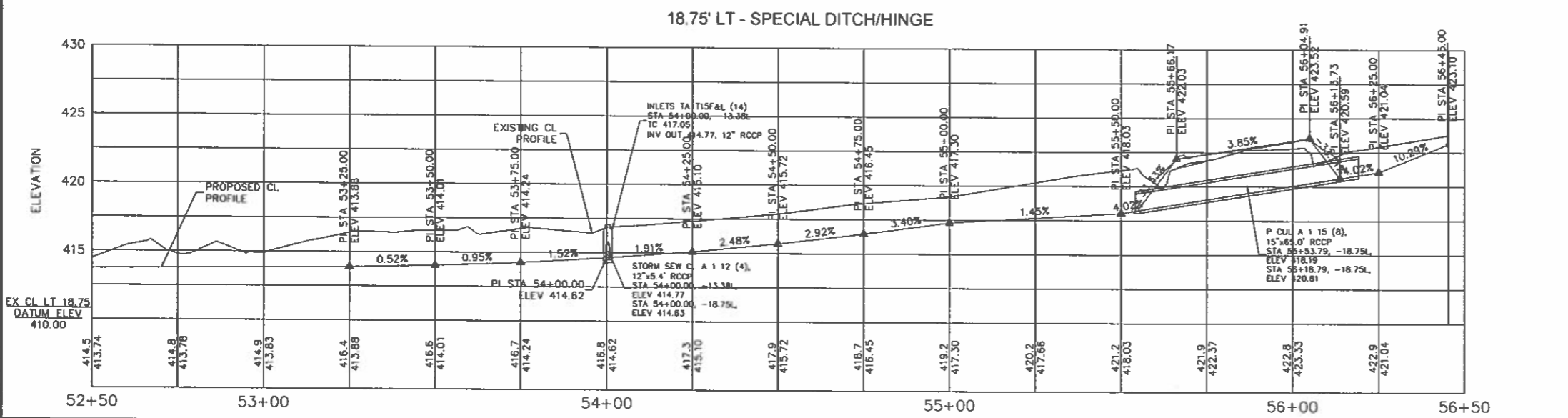
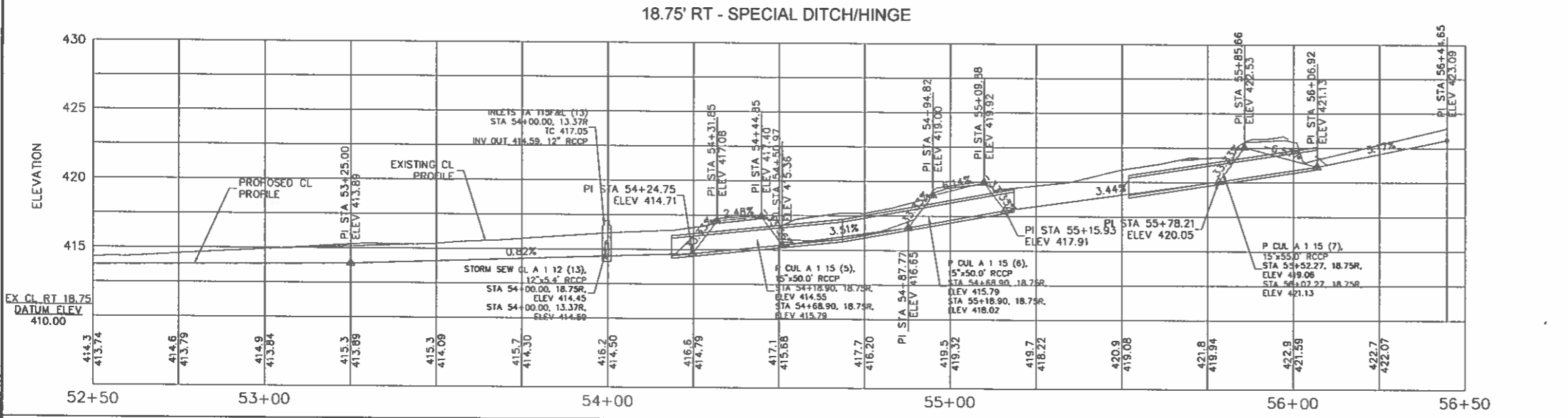
DRAINAGE PLAN & PROFILE
EAST GRAND ROAD

SCALE: 1"=20' SHEET 4 OF 6 SHEETS STA. 46+50.00 TO STA. 52+50.00

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00013-00-PV	WILLIAMSON	53	14
CONTRACT NO. 99610			ILLINOIS FED. AID PROJECT	



CULVERTS				
NAME	SIZE	MATERIAL	LENGTH	SLOPE
P CUL A 1 12 (1)	12"	RCCP	30.00'	1.04%
P CUL A 1 12 (2)	12"	RCCP	35.00'	1.88%
P CUL A 1 12 (3)	12"	RCCP	45.00'	2.02%
P CUL A 1 12 (4)	12"	RCCP	40.00'	0.93%
P CUL A 1 12 (5)	12"	RCCP	35.00'	0.72%
P CUL A 1 12 (6)	12"	RCCP	40.00'	0.73%
P CUL A 1 12 (7)	12"	RCCP	30.00'	0.69%
P CUL A 1 12 (8)	12"	RCCP	40.00'	0.72%
P CUL A 1 12 (9)	12"	RCCP	130.00'	1.57%
P CUL A 1 12 (10)	12"	RCCP	34.69'	1.80%
P CUL A 1 12 (11)	12"	RCCP	30.00'	2.03%
P CUL A 1 12 (12)	12"	RCCP	30.00'	0.67%
P CUL A 1 12 (13)	12"	RCCP	115.00'	-3.21%
P CUL A 1 12 (14)	12"	RCCP	55.00'	1.26%
P CUL A 1 12 (15)	12"	RCCP	35.00'	0.59%
P CUL A 1 12 (16)	12"	RCCP	35.00'	0.59%
P CUL A 1 12 (17)	12"	RCCP	55.01'	0.62%
P CUL A 1 12 (18)	12"	RCCP	35.00'	1.21%
P CUL A 1 12 (19)	12"	RCCP	35.00'	2.29%
P CUL A 1 12 (20)	12"	RCCP	35.00'	1.97%
P CUL A 1 12 (22)	12"	RCCP	35.00'	2.19%
P CUL A 1 15 (1)	15"	RCCP	125.00'	2.29%
P CUL A 1 15 (2)	15"	RCCP	30.00'	-0.43%
P CUL A 1 15 (3)	15"	RCCP	30.00'	-1.95%
P CUL A 1 15 (4)	15"	RCCP	25.00'	-0.83%
P CUL A 1 15 (5)	15"	RCCP	50.00'	2.48%
P CUL A 1 15 (6)	15"	RCCP	50.00'	4.46%
P CUL A 1 15 (7)	15"	RCCP	55.00'	-3.78%
P CUL A 1 15 (8)	15"	RCCP	65.00'	-4.02%
TOTAL P CUL A 1 12			951.7	
TOTAL P CUL A 1 15			431.0	



CULVERT REMOVAL		
NAME	SIZE	LENGTH
XCUL 1	10"	19.5
XCUL 2	8"	17.3
XCUL 3	8"	39.3
XCUL 4	10"	26.3
XCUL 5	8"	42.8
XCUL 6	10"	25.1
XCUL 7	10"	83.2
XCUL 8	8"	22.0
XCUL 9	12"	18.6
XCUL 10	8"	80.7
XCUL 11	16"	26.0
XCUL 12	12"	24.6
XCUL 13	18"	17.6
XCUL 14	16"	19.3
XCUL 17	12"	24.8
XCUL 18	12"	20.8
XCUL 19	12"	21.1
XCUL 20	8"	24.4
XCUL 21	12"	21.2
XCUL 22	12"	50.4
XCUL 23	12"	47.3
XCUL 24	12"	39.9
XCUL 25	12"	24.2
XCUL 26	12"	46.3
XCUL 27	18"	46.3
TOTAL		829.0

JOHN H. CRAWFORD & ASSOCIATES, P.C.
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 PROFESSIONAL DESIGN PERM # 154-002866

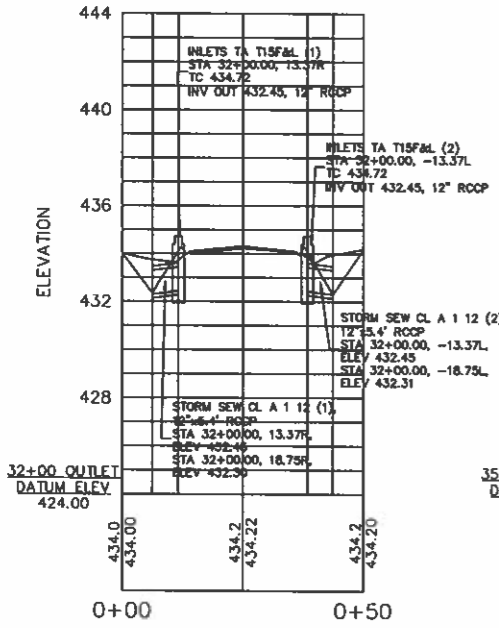
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PLOT SCALE =	DRAWN - JHC	REVISED -
PLOT DATE =	CHECKED - RLM	REVISED -
	DATE - 10/02/18	REVISED -

VILLAGE OF CRAINVILLE
 EAST GRAND ROAD IMPROVEMENT
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

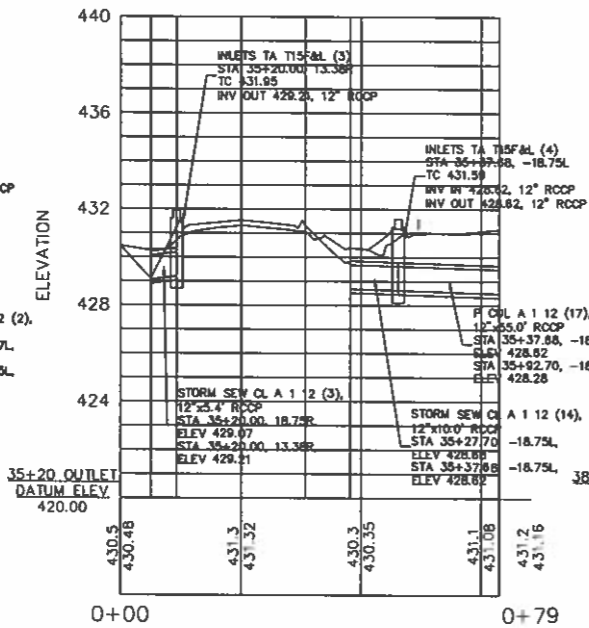
DRAINAGE PLAN & PROFILE
 EAST GRAND ROAD
 SCALE: 1"=20'
 SHEET 5 OF 6 SHEETS STA. 52+50.00 TO STA. 56+45.00

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17-00013-00-PV		WILLIAMSON	53	15
ILLINOIS FED. AID PROJECT			CONTRACT NO. 99610	

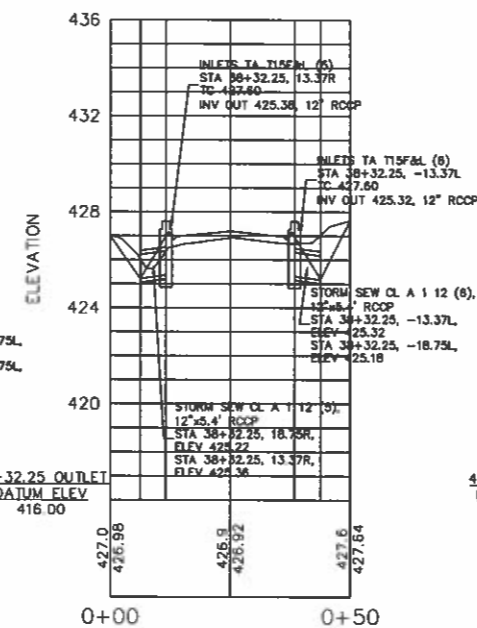
32+00 OUTLET



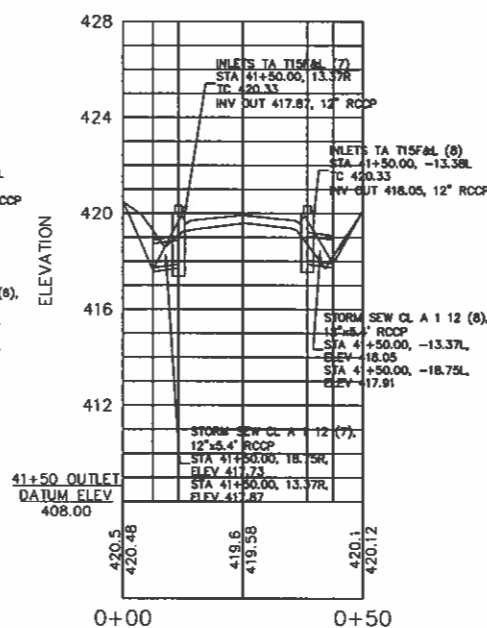
35+20 OUTLET



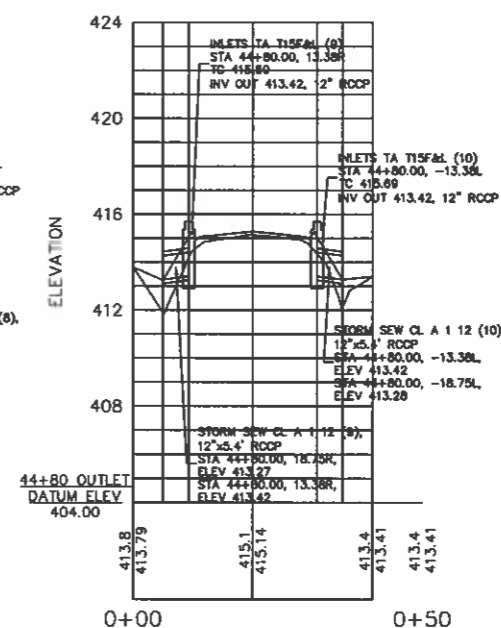
38+32.25 OUTLET



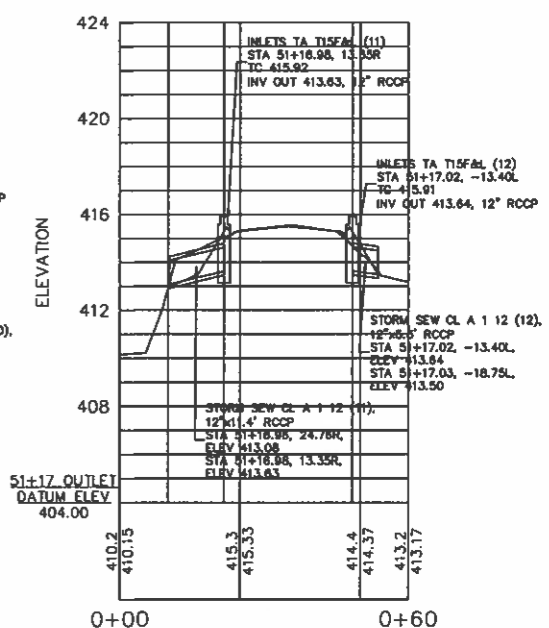
41+50 OUTLET



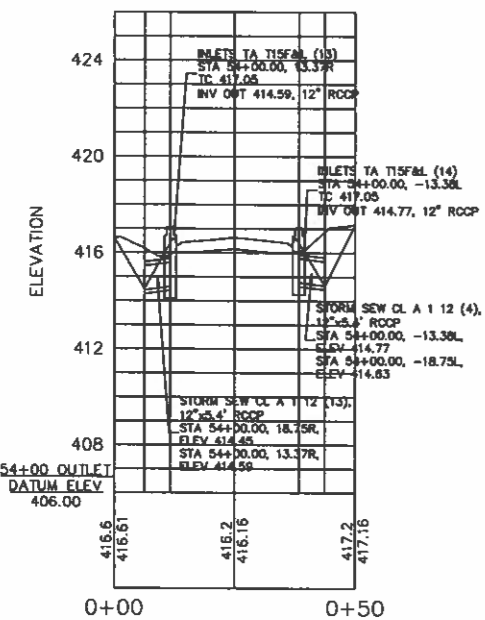
44+80 OUTLET



51+17 OUTLET



54+00 OUTLET

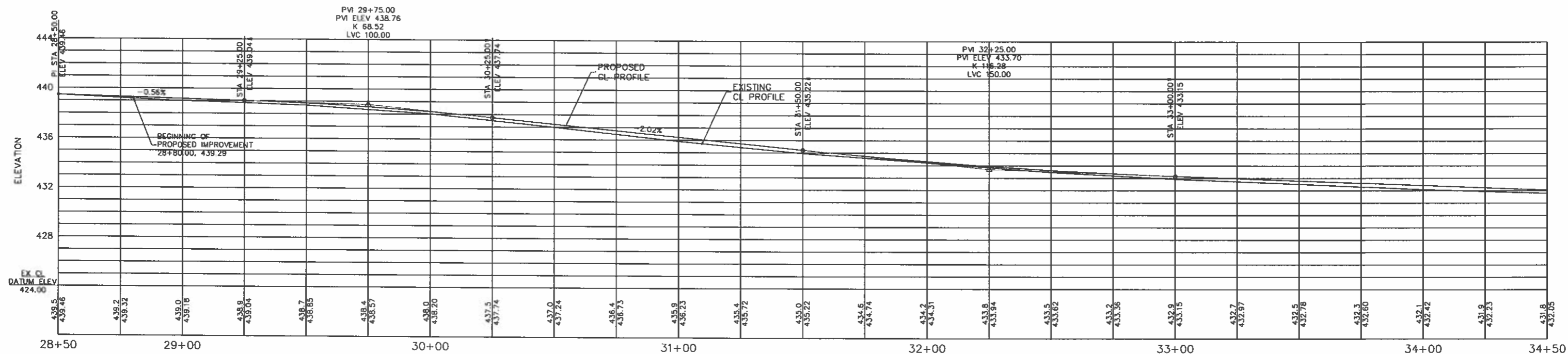
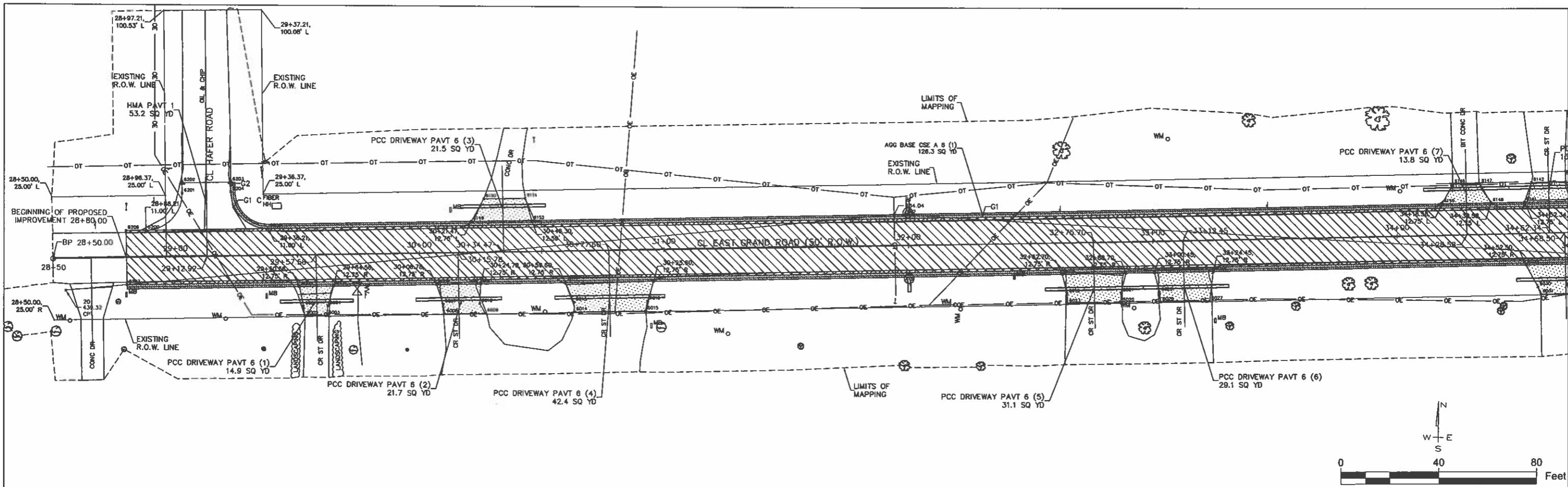


STRUCTURE NAME:		INLETS A15 TABLE	
DETAILS:	PIPES IN:	PIPES OUT:	
INLETS TA T15F&L (1) ID 24" TC 434.72 INV OUT 432.45		STORM SEW CL A 1 12 (1), 12" INV OUT 432.45	
INLETS TA T15F&L (2) ID 24" TC 434.72 INV OUT 432.45		STORM SEW CL A 1 12 (2), 12" INV OUT 432.45	
INLETS TA T15F&L (3) ID 24" TC 431.95 INV OUT 429.21		STORM SEW CL A 1 12 (3), 12" INV OUT 429.21	
INLETS TA T15F&L (4) ID 24" TC 431.59 INV IN 428.62 INV OUT 428.62	STORM SEW CL A 1 12 (14), 12" INV IN 428.62	P CUL A 1 12 (17), 12" INV OUT 428.62	
INLETS TA T15F&L (5) ID 24" TC 427.60 INV OUT 425.36		STORM SEW CL A 1 12 (5), 12" INV OUT 425.36	
INLETS TA T15F&L (6) ID 24" TC 427.60 INV OUT 425.32		STORM SEW CL A 1 12 (6), 12" INV OUT 425.32	
INLETS TA T15F&L (7) ID 24" TC 420.33 INV OUT 417.87		STORM SEW CL A 1 12 (7), 12" INV OUT 417.87	
INLETS TA T15F&L (8) ID 24" TC 420.33 INV OUT 418.05		STORM SEW CL A 1 12 (8), 12" INV OUT 418.05	
INLETS TA T15F&L (9) ID 24" TC 415.69 INV OUT 413.42		STORM SEW CL A 1 12 (9), 12" INV OUT 413.42	
INLETS TA T15F&L (10) ID 24" TC 415.69 INV OUT 413.42		STORM SEW CL A 1 12 (10), 12" INV OUT 413.42	
INLETS TA T15F&L (11) ID 24" TC 415.92 INV OUT 413.63		STORM SEW CL A 1 12 (11), 12" INV OUT 413.63	
INLETS TA T15F&L (12) ID 24" TC 415.91 INV OUT 413.64		STORM SEW CL A 1 12 (12), 12" INV OUT 413.64	
INLETS TA T15F&L (13) ID 24" TC 417.05 INV OUT 414.59		STORM SEW CL A 1 12 (13), 12" INV OUT 414.59	
INLETS TA T15F&L (14) ID 24" TC 417.05 INV OUT 414.77		STORM SEW CL A 1 12 (4), 12" INV OUT 414.77	

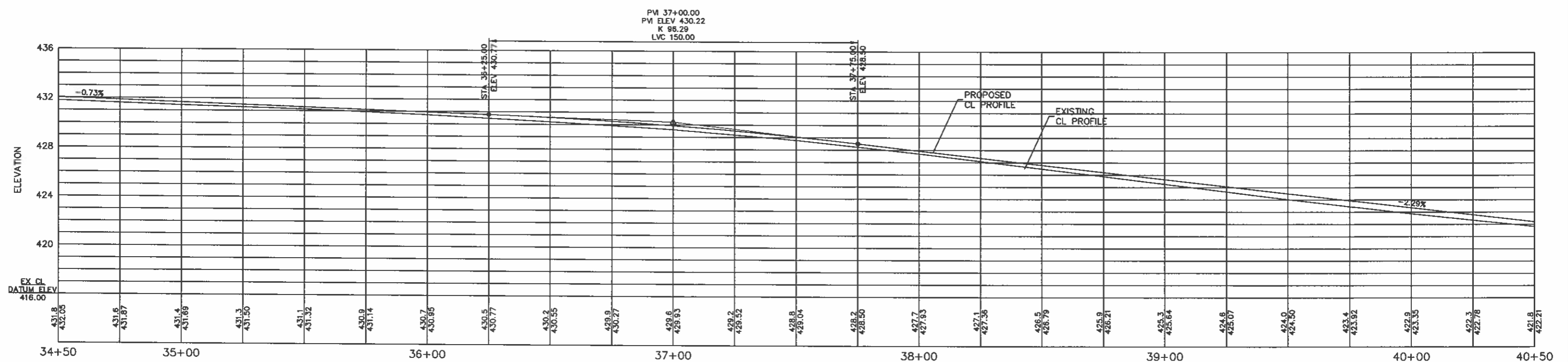
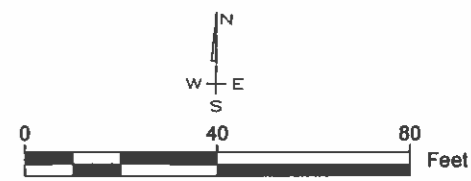
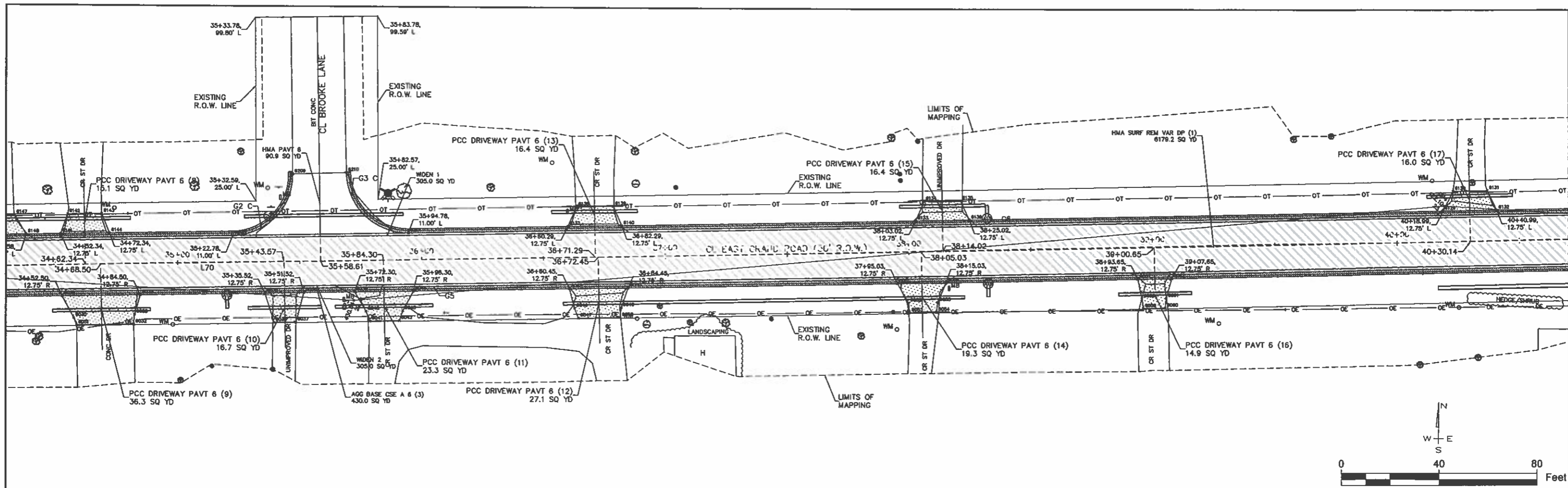
STORM SEWER				
NAME	SIZE	MATERIAL	LENGTH	SLOPE
STORM SEW CL A 1 12 (1)	12"	RCCP	5.38'	2.73%
STORM SEW CL A 1 12 (2)	12"	RCCP	5.38'	2.63%
STORM SEW CL A 1 12 (3)	12"	RCCP	5.37'	2.63%
STORM SEW CL A 1 12 (4)	12"	RCCP	5.37'	2.63%
STORM SEW CL A 1 12 (5)	12"	RCCP	5.38'	2.63%
STORM SEW CL A 1 12 (6)	12"	RCCP	5.38'	2.66%
STORM SEW CL A 1 12 (7)	12"	RCCP	5.38'	2.63%
STORM SEW CL A 1 12 (8)	12"	RCCP	5.38'	2.63%
STORM SEW CL A 1 12 (9)	12"	RCCP	5.37'	2.63%
STORM SEW CL A 1 12 (10)	12"	RCCP	5.37'	2.63%
STORM SEW CL A 1 12 (11)	12"	RCCP	11.41'	4.89%
STORM SEW CL A 1 12 (12)	12"	RCCP	5.35'	2.63%
STORM SEW CL A 1 12 (13)	12"	RCCP	5.38'	2.63%
STORM SEW CL A 1 12 (14)	12"	RCCP	9.99'	0.62%
TOTAL STORM SEW CL A 1 12			75.9	

TRENCH BACKFILL AREA (DRAINAGE)	
NAME	AREA
TRENCH BACKFILL 20	9.2 SQ YD
TRENCH BACKFILL 21	5.0 SQ YD
TRENCH BACKFILL 22	10.7 SQ YD
TRENCH BACKFILL 23	4.1 SQ YD
TRENCH BACKFILL 24	10.7 SQ YD
TRENCH BACKFILL 25	13.7 SQ YD
TRENCH BACKFILL 26	8.9 SQ YD
TRENCH BACKFILL 28	22.5 SQ YD
TRENCH BACKFILL 29	6.8 SQ YD
TRENCH BACKFILL 30	30.0 SQ YD
TRENCH BACKFILL 31	10.6 SQ YD
TRENCH BACKFILL 32	12.2 SQ YD
TRENCH BACKFILL 33	9.2 SQ YD
TRENCH BACKFILL 34	17.0 SQ YD
TRENCH BACKFILL 35	27.7 SQ YD
TRENCH BACKFILL 36	24.8 SQ YD
TRENCH BACKFILL 37	68.0 SQ YD
TRENCH BACKFILL 38	5.6 SQ YD
TRENCH BACKFILL 39	18.0 SQ YD
TRENCH BACKFILL 40	9.2 SQ YD
TRENCH BACKFILL 41	5.1 SQ YD
TRENCH BACKFILL 42	11.7 SQ YD
TRENCH BACKFILL 43	41.3 SQ YD
TRENCH BACKFILL 44	21.1 SQ YD
TRENCH BACKFILL 45	10.2 SQ YD
TOTAL	692.0 SQ YD
3' DEPTH	692.0 CU YD

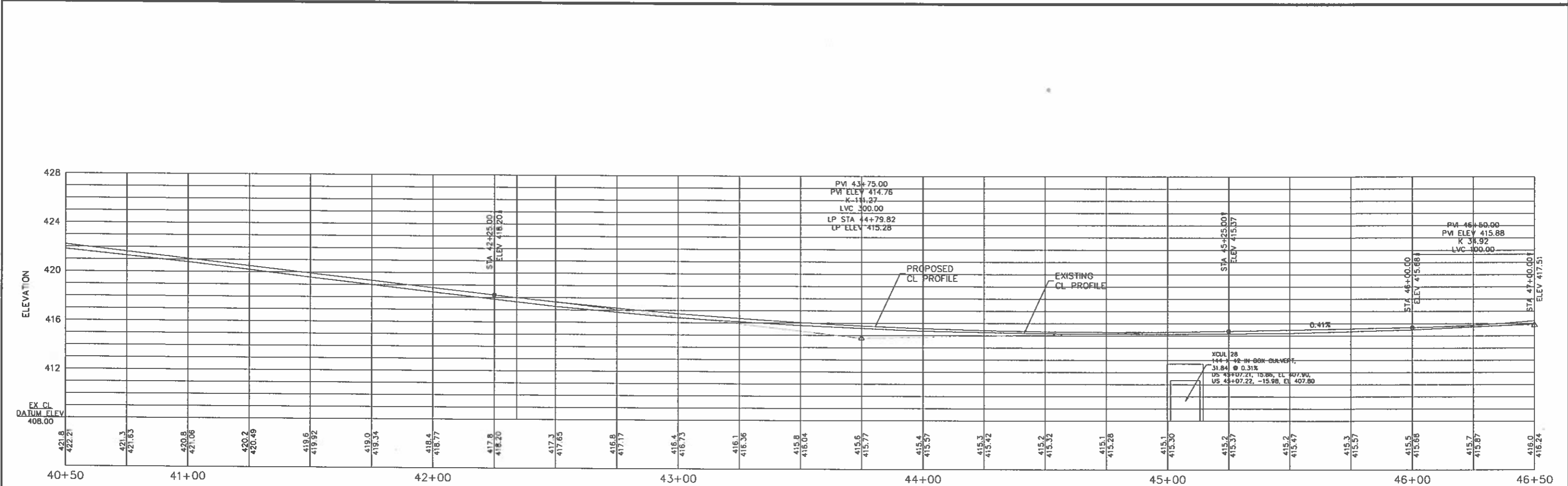
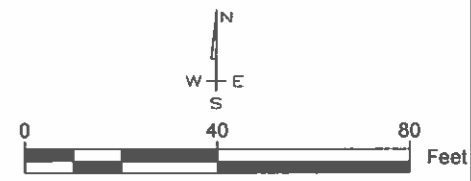
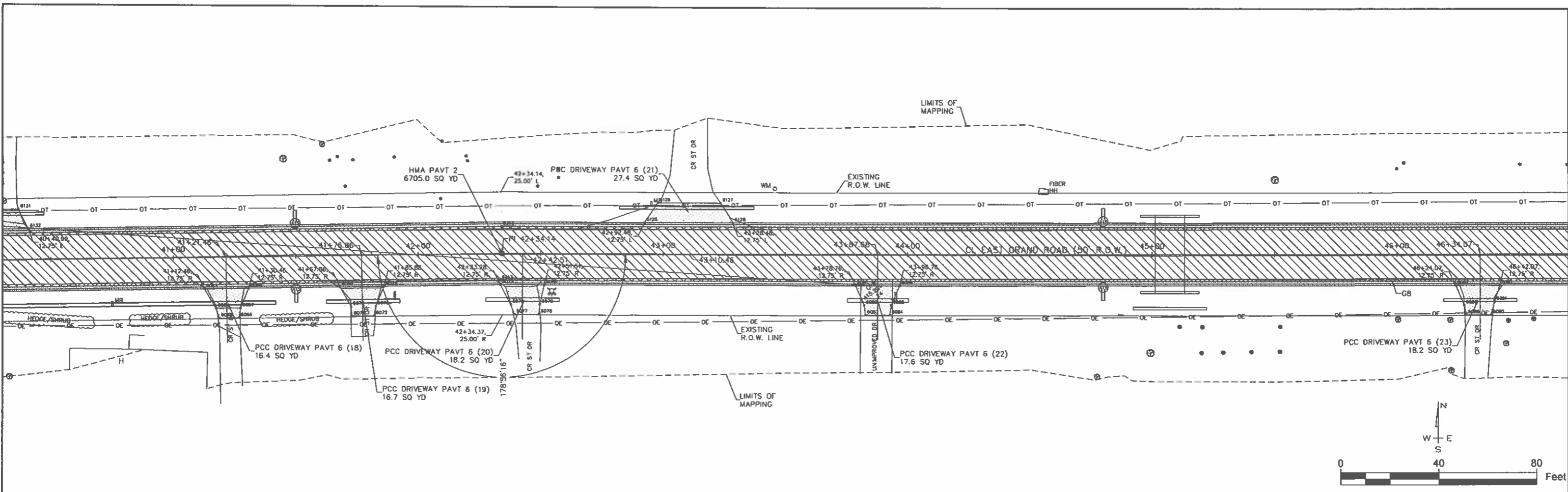
TRENCH BACKFILL AREA (DRAINAGE)	
NAME	AREA
TRENCH BACKFILL 46	6.6 SQ YD
TRENCH BACKFILL 47	10.2 SQ YD
TRENCH BACKFILL 48	6.7 SQ YD
TRENCH BACKFILL 49	27.3 SQ YD
TRENCH BACKFILL 50	12.0 SQ YD
TRENCH BACKFILL 51	12.9 SQ YD
TRENCH BACKFILL 52	34.3 SQ YD
TRENCH BACKFILL 53	45.1 SQ YD
TRENCH BACKFILL 54	19.0 SQ YD
TRENCH BACKFILL 55	32.6 SQ YD
TRENCH BACKFILL 56	5.6 SQ YD
TRENCH BACKFILL 57	5.6 SQ YD
TRENCH BACKFILL 59	5.6 SQ YD
TRENCH BACKFILL 60	5.0 SQ YD
TRENCH BACKFILL 61	5.6 SQ YD
TRENCH BACKFILL 62	5.6 SQ YD
TRENCH BACKFILL 63	5.6 SQ YD
TRENCH BACKFILL 64	5.6 SQ YD
TRENCH BACKFILL 65	5.6 SQ YD
TRENCH BACKFILL 66	5.6 SQ YD
TRENCH BACKFILL 67	5.6 SQ YD
TRENCH BACKFILL 68	5.6 SQ YD
TRENCH BACKFILL 69	5.6 SQ YD
TOTAL	692.0 SQ YD
3' DEPTH	692.0 CU YD



JOHN H. CRAWFORD & ASSOCIATES, P.C. CIVIL ENGINEERS, LAND SURVEYORS 381 BENTLEY DIVISION STREET, CARLETONVILLE, ILLINOIS 62918 PHONE 618-364-3333 FAX 618-364-4922 PROFESSIONAL DESIGN PERM # 184-022863	USER NAME =	DESIGNED = JHC	REVISED =	VILLAGE OF CRAINVILLE EAST GRAND ROAD IMPROVEMENT STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN & PROFILE EAST GRAND ROAD				RT#	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	DRAWN = JHC	REVISED =						17-00013-00-PV	WILLIAMSON	53	17	
	PLOT DATE =	CHECKED = RLM	REVISED =		SCALE: 1"=20'	SHEET 1 OF 6 SHEETS		STA. 28+50.00	TO STA. 34+50.00	CONTRACT NO. 99610		ILLINOIS FED. AID PROJECT	
		DATE = 10/02/18	REVISED =										



	USER NAME =	DESIGNED - JHC	REVISED -	VILLAGE OF CRAINVILLE EAST GRAND ROAD IMPROVEMENT STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN & PROFILE EAST GRAND ROAD		RT#	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	DRAWN - JHC	REVISED -				17-00013-00-PV	WILLIAMSON	53	18	
	PLOT DATE =	CHECKED - RLM	REVISED -				CONTRACT NO. 99B10				
		DATE - 10/02/18	REVISED -				ILLINOIS FED. AID PROJECT				
SCALE: 1"=20'					SHEET 2 OF 6 SHEETS		STA. 34+50.00 TO STA. 40+50.00				



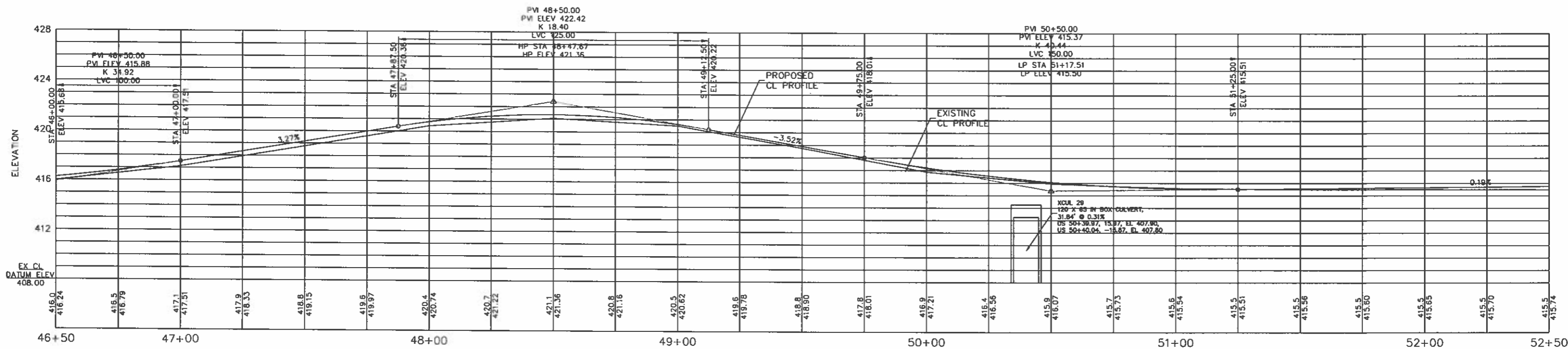
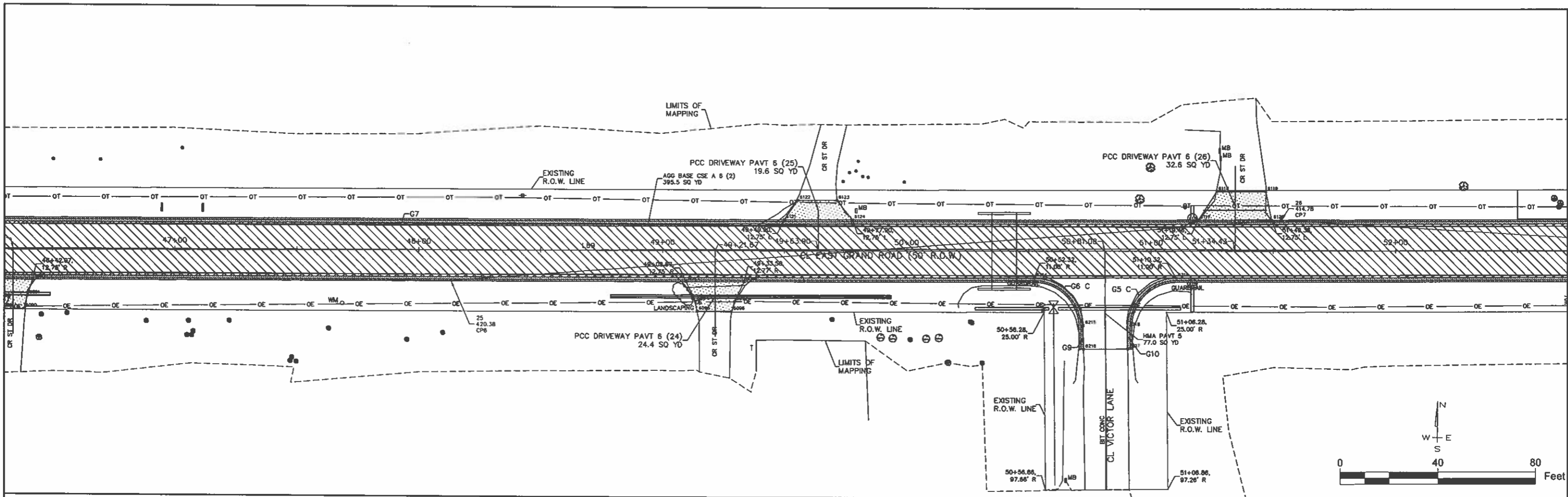
JOHN H. CRAWFORD & ASSOCIATES, P.C.
 CIVIL ENGINEERS, LAND SURVEYORS
 301 SOUTH DIVISION STREET, CANTONVILLE, ILLINOIS 62919
 PHONE (618) 955-4378 FAX (618) 955-4992
 PROFESSIONAL DESIGN FIRM # 154-022885

USER NAME =	DESIGNED = JHC	REVISED =
PLOT SCALE =	DRAWN = JHC	REVISED =
PLOT DATE =	CHECKED = RLM	REVISED =
	DATE = 10/02/18	REVISED =

VILLAGE OF CRAINVILLE
EAST GRAND ROAD IMPROVEMENT
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE
EAST GRAND ROAD
 SCALE: 1"=20'
 SHEET 3 OF 6 SHEETS STA. 40+50.00 TO STA. 46+50.00

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17-00013-00-PV		WILLIAMSON	53	19
CONTRACT NO. 99610			ILLINOIS FED. AID PROJECT	



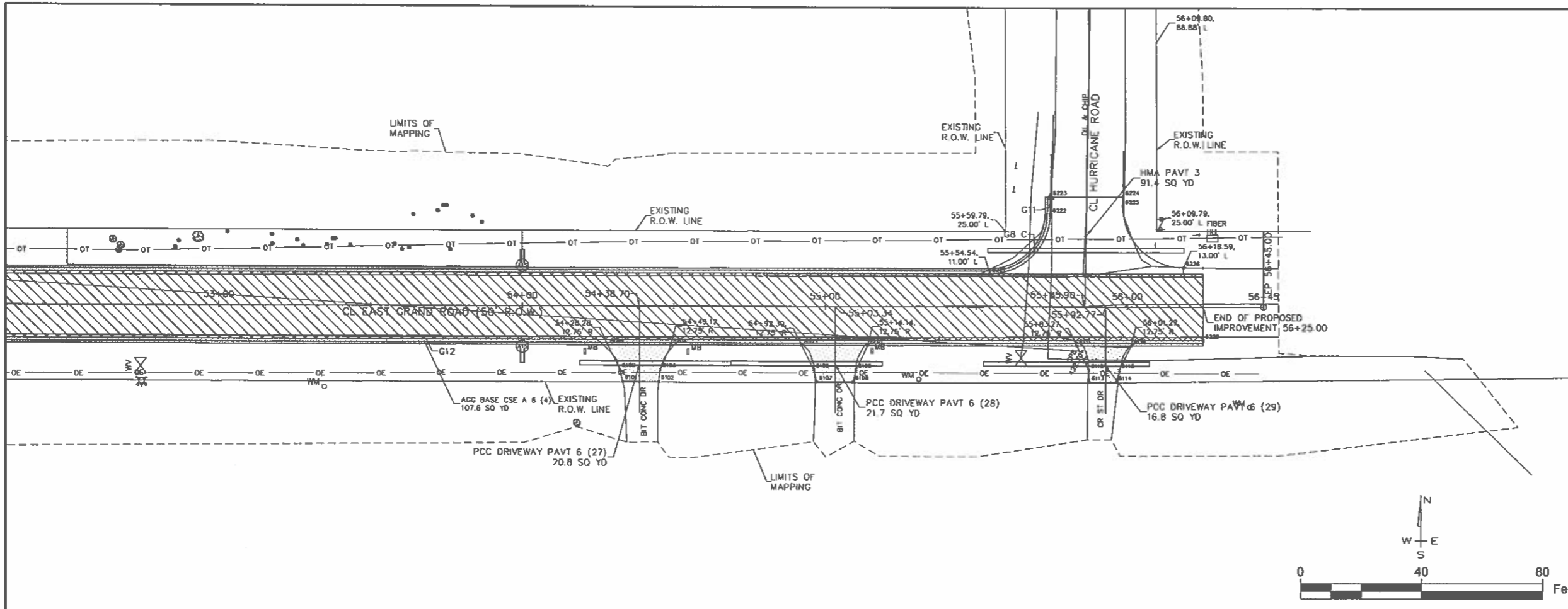
JOHN H. CRAWFORD & ASSOCIATES, P.C.
 CIVIL ENGINEERS, LAND SURVEYORS
 381 SOUTH DIVISION STREET, CARTERSVILLE, ILLINOIS 62813
 PHONE (618) 588-4270 FAX (618) 588-4882
 PROFESSIONAL DESIGN FIRM # 134-000088

USER NAME =	DESIGNED = JHC	REVISED =
PLOT SCALE =	DRAWN = JHC	REVISED =
PLOT DATE =	CHECKED = RLM	REVISED =
	DATE = 10/02/18	REVISED =

VILLAGE OF CRAINVILLE
EAST GRAND ROAD IMPROVEMENT
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE
EAST GRAND ROAD
 SCALE: 1"=20'
 SHEET 4 OF 6 SHEETS
 STA. 46+50.00 TO STA. 52+50.00

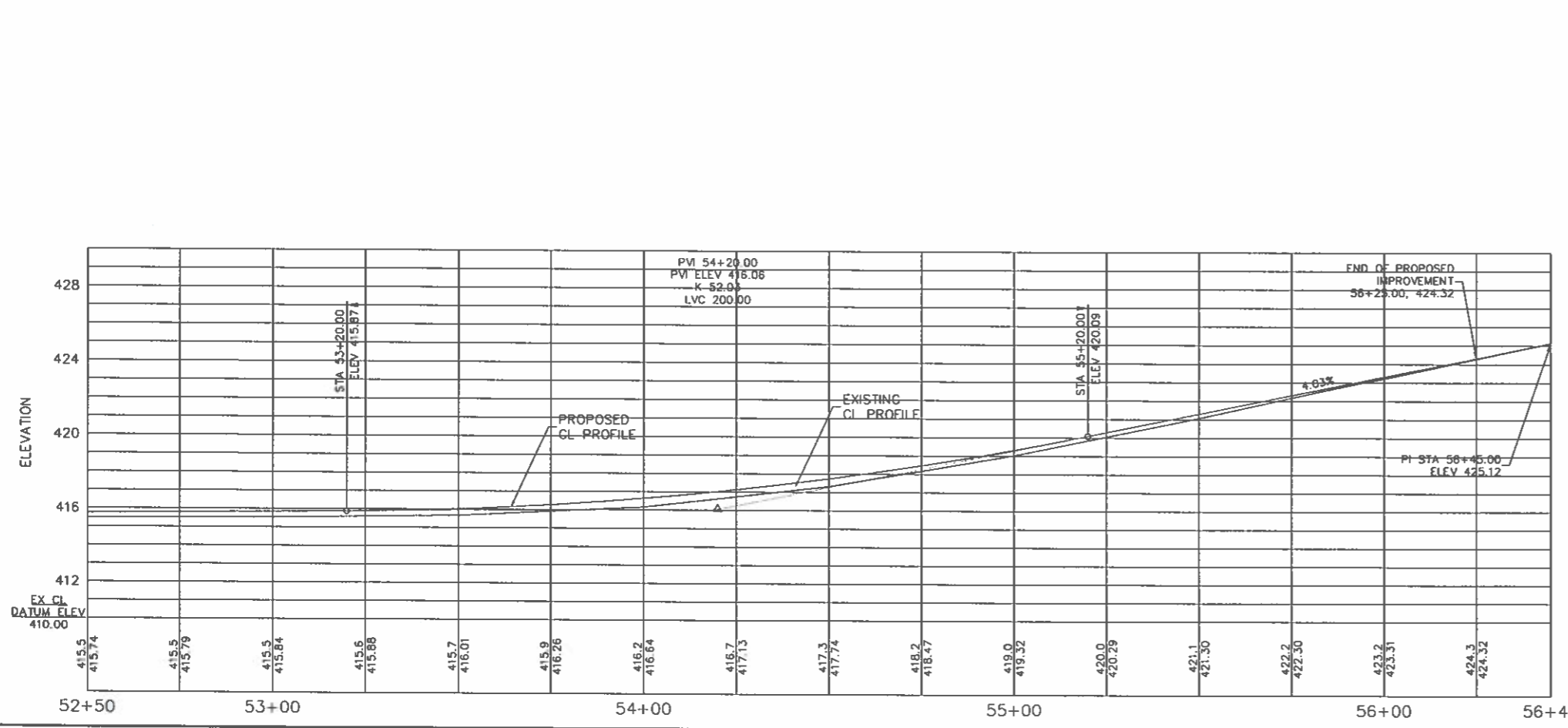
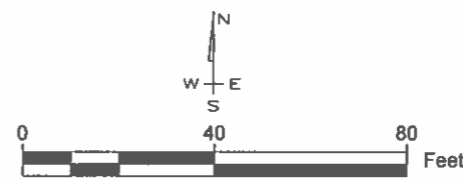
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17-00013-00-PV	WILLIAMSON	53	20	
CONTRACT NO. 99610				
ILLINOIS FED. AID PROJECT				



PCC BASE CSE W 12		AGG BASE CSE A (6" THICK)	
NAME	AREA	NAME	AREA
WIDEN 1	305.0 SQ YD	AGG BASE CSE A 6 (1)	126.3 SQ YD
WIDEN 2	305.0 SQ YD	AGG BASE CSE A 6 (2)	395.5 SQ YD
TOTAL	610.0 SQ YD	AGG BASE CSE A 6 (3)	430.0 SQ YD
		AGG BASE CSE A 6 (4)	107.6 SQ YD
		TOTAL	1059.4 SQ YD
		TOTAL	357.5 TON

AGG BASE CSE A (10" THICK)		HMA PAVT	
NAME	AREA	NAME	AREA
HMA PAVT 1	53.2 SQ YD	HMA PAVT 1	53.2 SQ YD
HMA PAVT 3	91.4 SQ YD	HMA PAVT 2	6705.0 SQ YD
HMA PAVT 5	77.0 SQ YD	HMA PAVT 3	91.4 SQ YD
HMA PAVT 6	90.9 SQ YD	HMA PAVT 5	77.0 SQ YD
TOTAL	312.5 SQ YD	HMA PAVT 6	90.9 SQ YD
TOTAL	175.8 TON	TOTAL	7017.5 SQ YD
		TOTAL BNDR	807.0 TON
		TOTAL SURF	807.0 TON

TYPE B GUTTER		TYPE B GUTTER		
LINE NO.	LENGTH	LINE NO.	LENGTH	RADIUS
G1	584.6 FT	G1 C	23.7 FT	15.00
G2	3.9 FT	G2 C	39.2 FT	25.00
G5	1354.0 FT	G3 C	39.4 FT	25.00
G6	639.5 FT	G5 C	31.6 FT	20.00
G7	1320.5 FT	G6 C	31.3 FT	20.00
G8	818.1 FT	G8 C	31.0 FT	20.00
G9	9.2 FT	TOTAL	125.0 FT	
G10	8.7 FT			
G11	5.8 FT			
G12	514.7 FT			
TOTAL	5259.0 FT			



PCC DRIVEWAY PAVT 6	
DRIVE NO.	AREA
PCC DRIVEWAY PAVT 6 (1)	14.9 SQ YD
PCC DRIVEWAY PAVT 6 (2)	21.7 SQ YD
PCC DRIVEWAY PAVT 6 (3)	21.5 SQ YD
PCC DRIVEWAY PAVT 6 (4)	42.4 SQ YD
PCC DRIVEWAY PAVT 6 (5)	31.1 SQ YD
PCC DRIVEWAY PAVT 6 (6)	29.1 SQ YD
PCC DRIVEWAY PAVT 6 (7)	13.8 SQ YD
PCC DRIVEWAY PAVT 6 (8)	15.1 SQ YD
PCC DRIVEWAY PAVT 6 (9)	36.3 SQ YD
PCC DRIVEWAY PAVT 6 (10)	16.7 SQ YD
PCC DRIVEWAY PAVT 6 (11)	23.3 SQ YD
PCC DRIVEWAY PAVT 6 (12)	27.1 SQ YD
PCC DRIVEWAY PAVT 6 (13)	16.4 SQ YD
PCC DRIVEWAY PAVT 6 (14)	19.3 SQ YD
PCC DRIVEWAY PAVT 6 (15)	16.4 SQ YD
TOTAL	626.40 SQ YD

PCC DRIVEWAY PAVT 6	
DRIVE NO.	AREA
PCC DRIVEWAY PAVT 6 (16)	14.9 SQ YD
PCC DRIVEWAY PAVT 6 (17)	16.0 SQ YD
PCC DRIVEWAY PAVT 6 (18)	16.4 SQ YD
PCC DRIVEWAY PAVT 6 (19)	16.7 SQ YD
PCC DRIVEWAY PAVT 6 (20)	18.2 SQ YD
PCC DRIVEWAY PAVT 6 (21)	27.4 SQ YD
PCC DRIVEWAY PAVT 6 (22)	17.6 SQ YD
PCC DRIVEWAY PAVT 6 (23)	18.2 SQ YD
PCC DRIVEWAY PAVT 6 (24)	24.4 SQ YD
PCC DRIVEWAY PAVT 6 (25)	19.6 SQ YD
PCC DRIVEWAY PAVT 6 (26)	32.6 SQ YD
PCC DRIVEWAY PAVT 6 (27)	20.8 SQ YD
PCC DRIVEWAY PAVT 6 (28)	21.7 SQ YD
PCC DRIVEWAY PAVT 6 (29)	16.8 SQ YD
TOTAL	626.40 SQ YD

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 PROFESSIONAL DESIGN PERM # 134-022293

USER NAME =	DESIGNED = JHC	REVISED =
PLOT SCALE =	DRAWN = JHC	REVISED =
PLOT DATE =	CHECKED = RLM	REVISED =
	DATE = 10/02/18	REVISED =

VILLAGE OF CRAINVILLE
 EAST GRAND ROAD IMPROVEMENT
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE
 EAST GRAND ROAD

SCALE: 1"=20' SHEET 5 OF 5 SHEETS STA. X+XXX TO STA. X+XX

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00013-00-PV	WILLIAMSON	53	21
			CONTRACT NO. 99610	
		ILLINOIS FED. AID PROJECT		

DRIVEWAY LAYOUT				
NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
6000	399053.12	773281.89	438.83	DRV FG
6001	399045.15	773283.37	438.81	DRV FG
6002	399041.16	773283.95	438.94	DRV FG
6003	399041.34	773292.84	439.16	DRV FG
6004	399045.35	773293.36	439.01	DRV FG
6005	399053.40	773295.69	438.69	DRV FG
6006	399054.24	773337.89	438.08	DRV FG
6007	399046.29	773340.57	437.84	DRV FG
6008	399042.31	773341.27	437.72	DRV FG
6009	399042.64	773357.86	437.59	DRV FG
6010	399046.58	773355.56	437.60	DRV FG
6011	399054.60	773355.89	437.74	DRV FG
6012	399055.30	773390.70	437.03	DRV FG
6013	399047.36	773394.23	437.05	DRV FG
6014	399043.37	773394.45	437.07	DRV FG
6015	399043.95	773423.44	436.79	DRV FG
6016	399047.96	773424.22	436.63	DRV FG
6017	399056.02	773426.70	436.30	DRV FG
6018	399059.35	773593.76	433.47	DRV FG
6019	399051.39	773595.75	433.14	DRV FG
6020	399047.83	773617.76	433.02	DRV FG
6021	399051.83	773617.74	433.09	DRV FG
6022	399059.87	773619.76	433.23	DRV FG
6023	399047.39	773595.85	433.00	DRV FG
6024	399080.11	773631.50	433.14	DRV FG
6025	399052.15	773633.52	432.87	DRV FG
6026	399048.16	773634.02	432.74	DRV FG

DRIVEWAY LAYOUT				
NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
6027	399048.56	773654.02	432.55	DRV FG
6028	399060.59	773655.49	432.96	DRV FG
6029	399063.15	773783.52	432.02	DRV FG
6030	399054.24	773788.31	431.82	DRV FG
6031	399051.26	773789.52	431.75	DRV FG
6032	399051.73	773812.81	431.37	DRV FG
6033	399055.74	773813.17	431.51	DRV FG
6034	399063.79	773815.52	431.88	DRV FG
6035	399064.81	773866.53	431.41	DRV FG
6036	399052.88	773870.17	430.09	DRV FG
6037	399053.06	773879.17	429.98	DRV FG
6038	399065.13	773882.53	431.30	DRV FG
6039	399065.54	773903.30	431.14	DRV FG
6040	399057.63	773907.96	430.28	DRV FG
6041	399053.66	773909.56	429.88	DRV FG
6042	399053.90	773921.54	429.96	DRV FG
6043	399057.93	773922.96	430.28	DRV FG
6044	399066.02	773927.30	430.97	DRV FG
6045	399067.30	773991.43	430.43	DRV FG
6046	399059.34	773993.59	430.14	DRV FG
6047	399055.37	773995.17	429.98	DRV FG
6048	399055.71	774012.17	430.18	DRV FG
6049	399059.72	774012.59	430.17	DRV FG
6050	399067.78	774015.43	430.14	DRV FG
6051	399069.99	774125.99	428.03	DRV FG
6052	399062.08	774130.54	427.76	DRV FG
6053	399058.09	774131.04	427.64	DRV FG

DRIVEWAY LAYOUT				
NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
6054	399058.31	774142.03	427.79	DRV FG
6055	399062.32	774142.53	427.72	DRV FG
6056	399070.39	774145.98	427.57	DRV FG
6057	399071.96	774224.58	425.77	DRV FG
6058	399063.99	774226.28	425.91	DRV FG
6059	399060.00	774226.78	425.98	DRV FG
6060	399060.18	774235.78	425.95	DRV FG
6061	399064.19	774236.28	425.79	DRV FG
6062	399072.24	774238.58	425.45	DRV FG
6063	399076.33	774443.35	420.76	DRV FG
6064	399068.43	774448.15	421.47	DRV FG
6065	399064.45	774449.47	421.79	DRV FG
6066	399064.61	774457.47	421.79	DRV FG
6067	399068.63	774458.15	421.33	DRV FG
6068	399076.69	774461.35	420.35	DRV FG
6069	399077.44	774498.74	419.49	DRV FG
6070	399069.53	774503.32	419.02	DRV FG
6071	399065.54	774503.68	418.81	DRV FG
6072	399065.72	774512.68	418.93	DRV FG
6073	399069.73	774513.32	418.98	DRV FG
6074	399077.80	774516.74	419.08	DRV FG
6075	399078.76	774564.14	418.00	DRV FG
6076	399070.77	774568.36	417.91	DRV FG
6077	399068.77	774569.95	417.87	DRV FG
6078	399066.79	774579.95	417.86	DRV FG
6079	399070.79	774580.36	417.78	DRV FG
6080	399078.79	774582.14	417.61	DRV FG

DRIVEWAY LAYOUT				
NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
6081	399078.97	774709.39	415.73	DRV FG
6082	399070.98	774712.90	414.86	DRV FG
6083	399066.98	774713.40	414.46	DRV FG
6084	399066.99	774723.40	414.28	DRV FG
6085	399070.99	774723.90	414.69	DRV FG
6086	399079.00	774727.39	415.58	DRV FG
6087	399079.33	774954.70	415.85	DRV FG
6088	399071.33	774958.20	415.78	DRV FG
6089	399067.33	774959.10	415.75	DRV FG
6090	399067.35	774989.10	415.72	DRV FG
6091	399072.76	774970.64	415.89	DRV FG
6092	399079.35	774972.70	416.09	DRV FG
6093	399079.74	775240.30	420.30	DRV FG
6094	399071.75	775244.23	420.82	DRV FG
6095	399067.75	775244.80	421.18	DRV FG
6096	399067.77	775259.06	421.20	DRV FG
6097	399071.77	775260.22	420.82	DRV FG
6098	399079.75	775264.13	419.47	DRV FG
6099	399080.49	775258.91	417.19	DRV FG
6100	399072.49	775262.84	417.21	DRV FG
6101	399068.50	775263.76	417.23	DRV FG
6102	399068.51	775275.73	417.39	DRV FG
6103	399072.51	775276.23	417.49	DRV FG
6104	399080.52	775279.75	417.70	DRV FG
6105	399080.58	775282.93	419.03	DRV FG
6106	399072.59	775286.86	419.65	DRV FG
6107	399068.59	775287.86	419.94	DRV FG

DRIVEWAY LAYOUT				
NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
6108	399068.61	775839.86	420.34	DRV FG
6109	399072.61	775840.86	420.18	DRV FG
6110	399080.61	775844.77	419.84	DRV FG
6111	399080.71	775913.89	422.62	DRV FG
6112	399072.72	775917.82	423.14	DRV FG
6113	399068.72	775917.99	423.37	DRV FG
6114	399068.73	775926.99	423.41	DRV FG
6115	399072.73	775927.99	423.39	DRV FG
6116	399080.74	775931.89	423.35	DRV FG
6117	399105.55	775450.06	415.49	DRV FG
6118	399117.30	775457.56	413.73	DRV FG
6119	399117.33	775477.56	413.51	DRV FG
6120	399105.59	775479.95	415.54	DRV FG
6121	399105.31	775280.49	418.74	DRV FG
6122	399113.31	775286.09	418.26	DRV FG
6123	399113.33	775302.09	417.43	DRV FG
6124	399105.34	775308.49	417.90	DRV FG
6125	399104.35	774623.08	416.85	DRV FG
6126	399112.36	774628.43	416.25	DRV FG
6127	399112.39	774654.06	415.93	DRV FG
6128	399104.40	774659.08	416.30	DRV FG
6129	399099.97	774349.39	422.90	DRV FG
6130	399108.05	774353.51	422.59	DRV FG
6131	399108.33	774367.50	422.47	DRV FG
6132	399100.40	774371.39	422.40	DRV FG
6133	399095.65	774133.46	427.85	DRV FG
6134	399103.72	774138.87	427.75	DRV FG

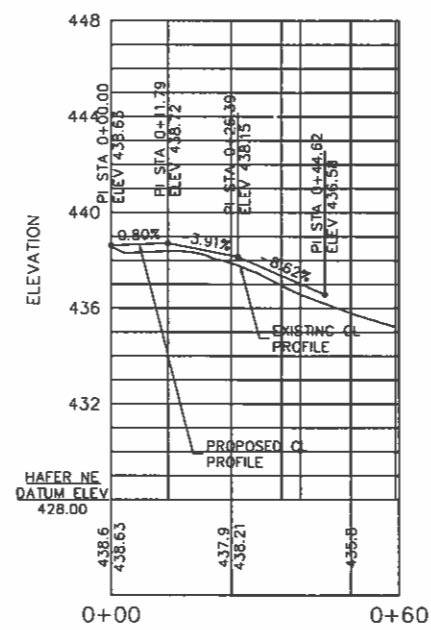
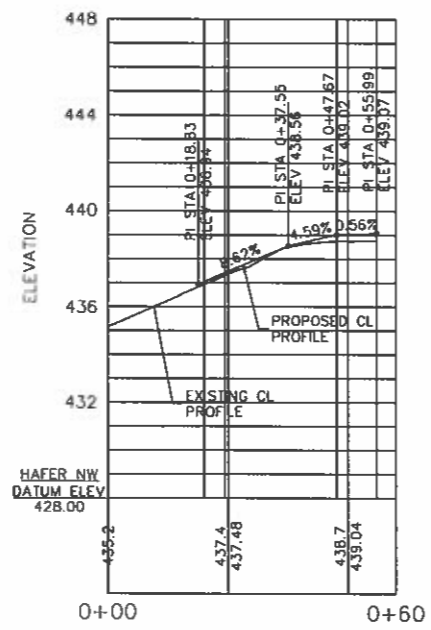
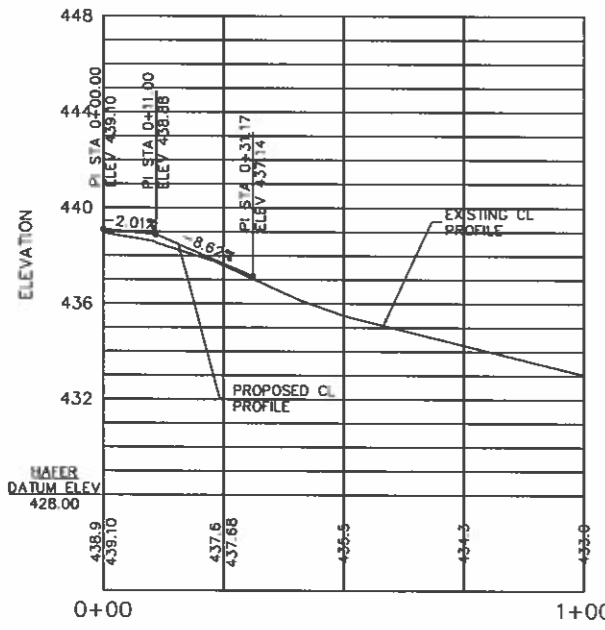
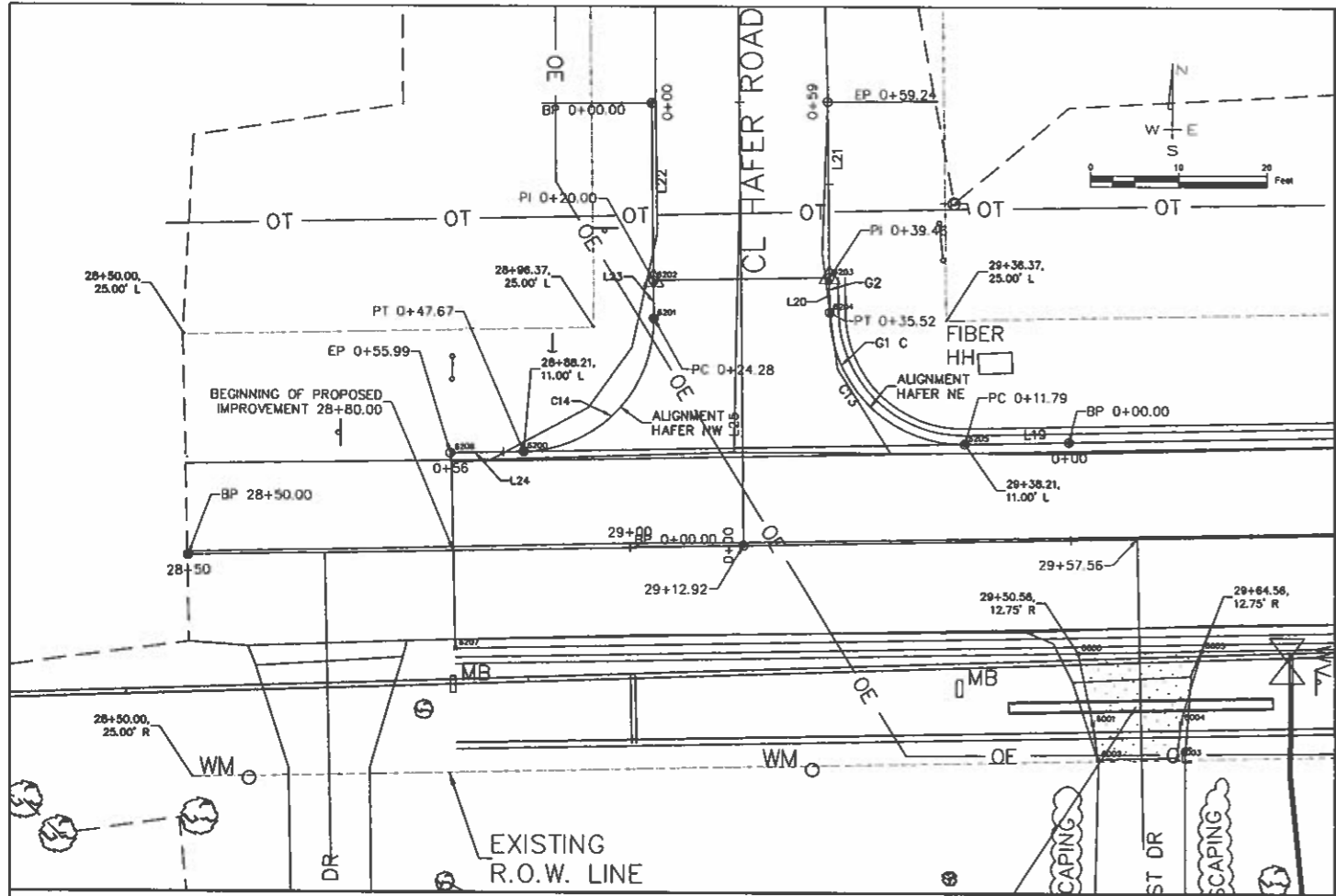
DRIVEWAY LAYOUT				
NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
6135	399104.02	774151.87	427.44	DRV FG
6136	399096.09	774155.46	427.35	DRV FG
6137	399092.79	773990.76	430.44	DRV FG
6138	399100.87	773994.35	430.24	DRV FG
6139	399101.17	774009.35	430.09	DRV FG
6140	399093.23	774012.76	430.17	DRV FG
6141	399088.64	773782.85	432.02	DRV FG
6142	399096.70	773785.72	431.46	DRV FG
6143	399096.98	773799.72	431.49	DRV FG
6144	399089.04	773802.85	431.88	DRV FG
6145	399087.96	773749.10	432.27	DRV FG
6146	399096.05	773753.50	431.73	DRV FG
6147	399086.27	773764.47	431.80	DRV FG
6148	399088.36	773769.10	432.12	DRV FG
6149	399080.03	773352.07	437.80	DRV FG
6150	399089.13	773357.10	437.64	DRV FG
6151	399089.47	773374.10	437.34	DRV FG
6152	399080.36	773376.90	437.25	DRV FG

GUTTER LAYOUT				
NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
6200	399075.62	773218.87	439.02	NO GUTR FG
6201	399090.74	773233.57	437.41	NO GUTR FG
6202	399095.02	773233.53	437.05	NO GUTR FG
6203	399095.42	773253.53	437.03	GUTR FG
6204	399091.48	773253.56	437.37	GUTR FG
6205	399076.62	773268.86	438.73	GUTR FG
6206	399075.45	773210.66	439.07	NO GUTR FG
6207	399053.48	773211.11	439.07	GUTR FG
6208	399088.30	773853.32	431.09	GUTR FG
6209	399113.67	773877.81	430.99	GUTR FG
6210	399114.35	773899.81	430.73	GUTR FG
6211	399089.74	773925.30	430.77	GUTR FG
6212	399080.50	774564.10	417.79	GUTR FG
6213	399102.48	774564.58	417.77	GUTR FG
6214	399081.70	775382.94	415.81	GUTR FG
6215	399062.41	775402.97	415.39	GUTR FG
6216	399052.67	775403.07	415.26	GUTR FG
6217	399052.84	775421.06	415.29	GUTR FG
6218	399061.59	775420.98	415.29	GUTR FG
6219	399081.78	775440.95	415.29	GUTR FG

GUTTER LAYOUT				
NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
6220	399082.52	775955.63	424.10	GUTR FG
6221	399104.42	775885.13	421.26	GUTR FG
6222	399124.03	775905.10	422.83	GUTR FG
6223	399129.86	775905.21	423.12	GUTR FG
6224	399129.90	775929.22	423.12	NO GUTR FG
6225	399126.90	775929.16	423.19	NO GUTR FG
6226	399106.51	775949.18	423.84	NO GUTR FG

CONTROL POINTS				
NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
20	399051.06	773186.06	439.32	CP1
21	399083.53	773524.95	434.04	CP2
22	399062.03	773902.92	430.34	CP3
23	399102.02	774349.94	422.10	CP4
24	399078.77	774719.54	415.20	CP5
26	399105.62	775483.86	414.78	CP7
27	399078.92	775915.74	422.70	CP8

EX CL						
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HAFAER							
NUMBER	START STA	START N E	RADIUS	LENGTH	LINE/CHORD BEARING	END STA	END N E
L25	0+00.00	399065.11 773243.79		100.00	N0° 30' 02"W	1+00.00	399165.11 773242.92

HAFAER NW							
NUMBER	START STA	START N E	RADIUS	LENGTH	LINE/CHORD BEARING	END STA	END N E
L22	0+00.00	399115.02 773233.36		20.00	S0° 30' 02"E	0+20.00	399095.02 773233.53
L23	0+20.00	399095.02 773233.53		4.28	S0° 30' 02"E	0+24.28	399090.74 773218.87
C14	0+24.28	399090.74 773233.53	15.00	23.39	S44° 10' 38"W	0+47.67	399075.62 773218.87
L24	0+47.67	399075.62 773218.87		8.32	S88° 51' 18"W	0+55.99	399075.45 773210.55

HAFAER NE							
NUMBER	START STA	START N E	RADIUS	LENGTH	LINE/CHORD BEARING	END STA	END N E
L19	0+00.00	399076.85 773280.85		11.79	S88° 51' 18"W	0+11.79	399076.62 773268.86
C13	0+11.79	399076.82 773268.86	15.00	23.73	N45° 49' 22"W	0+35.52	399091.48 773253.53
L20	0+35.52	399091.48 773253.53		3.94	N0° 30' 02"W	0+39.46	399095.42 773253.53
L21	0+39.46	399095.42 773253.53		19.78	N0° 30' 02"W	0+59.24	399115.20 773253.36

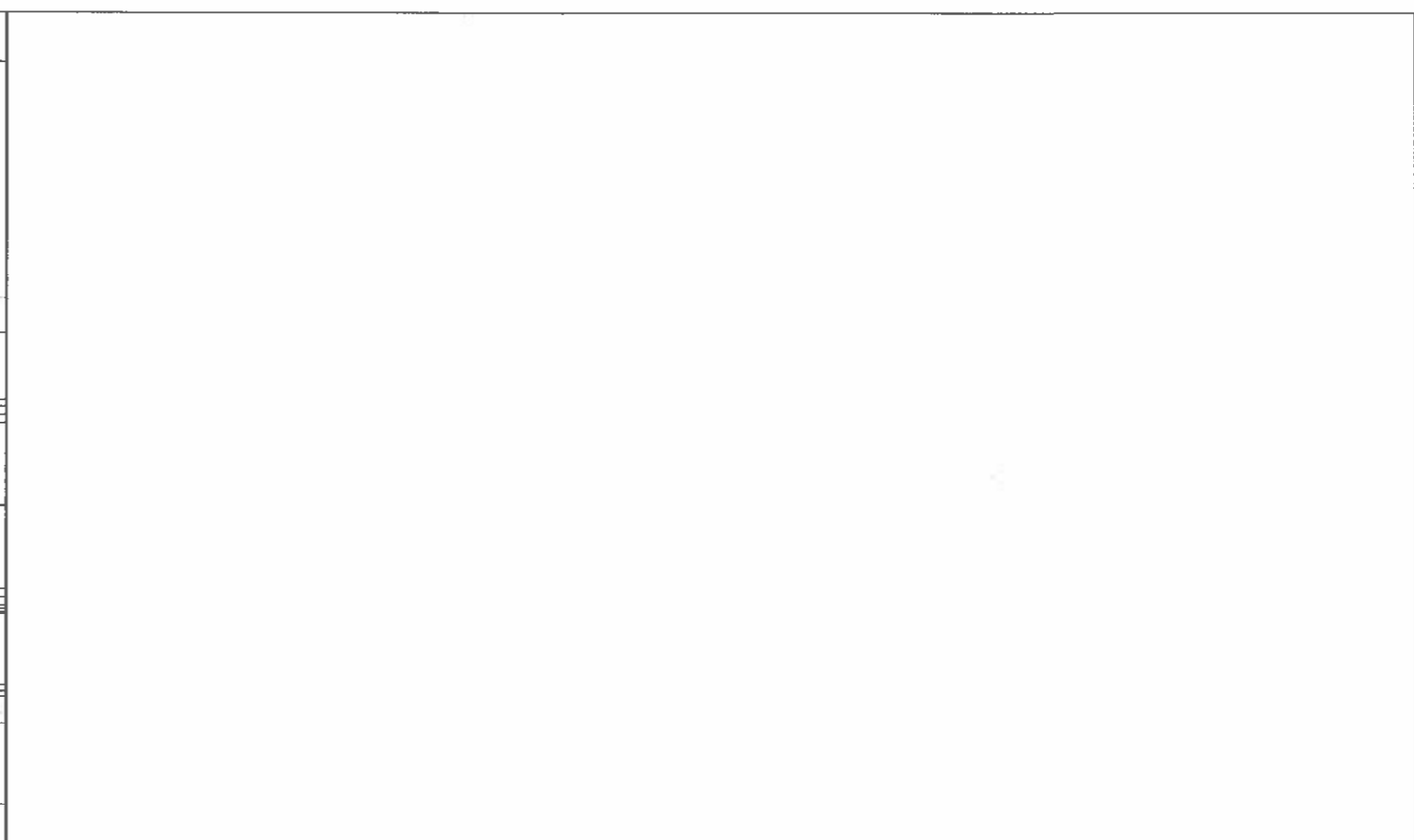
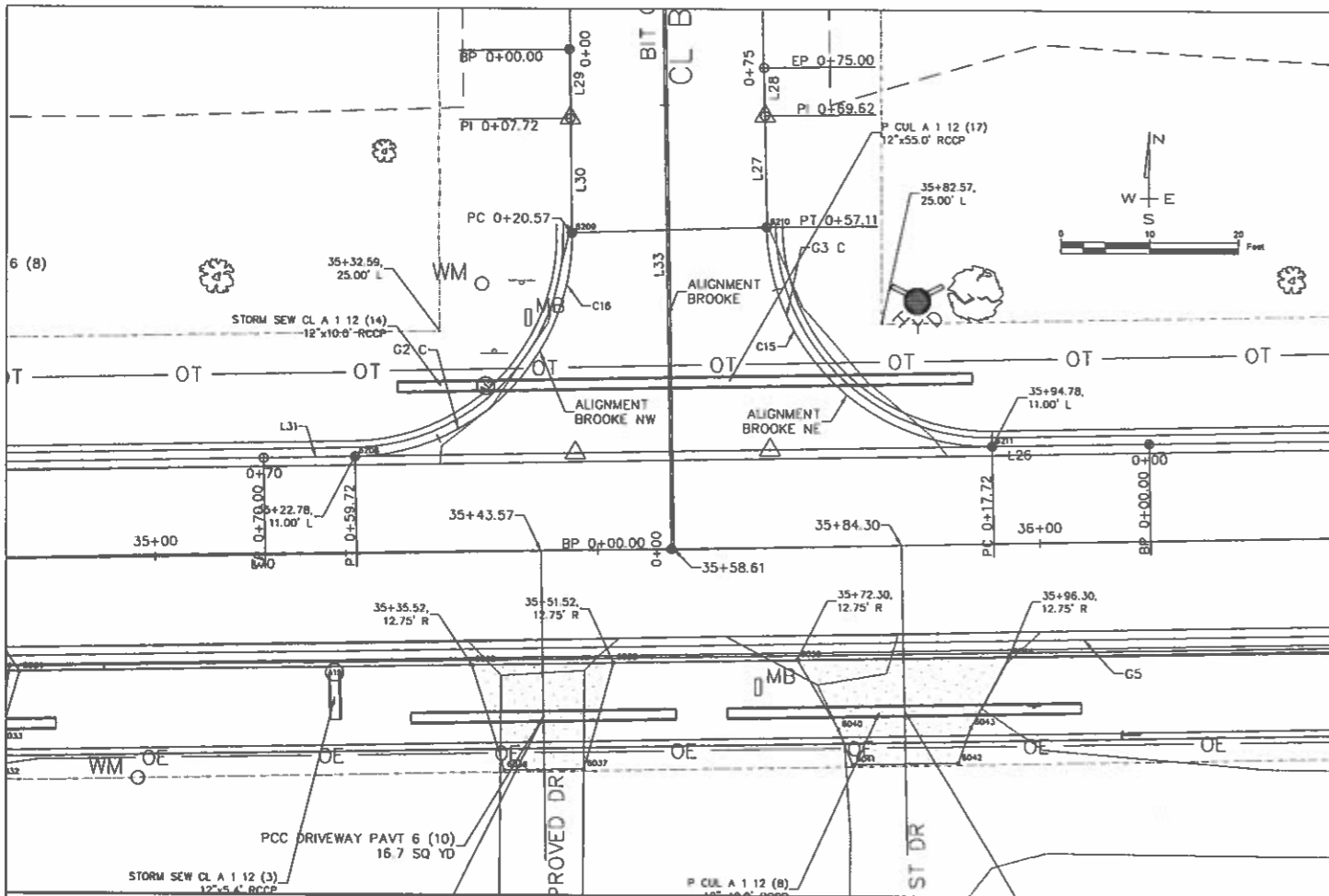
JOHN H. CRAWFORD & ASSOCIATES, P.C.
 CIVIL ENGINEERS, LAND SURVEYORS
 301 SOUTH CUMMINS STREET, CANTONVILLE, ILLINOIS 62910
 PHONE 618-938-8219 FAX 618-938-4882
 PROFESSIONAL DESIGN PERM # 134-022885

USER NAME =	DESIGNED = JHC	REVISED =
PILOT SCALE =	DRAWN = JHC	REVISED =
PILOT DATE =	CHECKED = RLM	REVISED =
	DATE = 10/02/18	REVISED =

VILLAGE OF CRAINVILLE
 EAST GRAND ROAD IMPROVEMENT
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PLAN, PROFILE, & COORDINATES FOR
 STREET RETURNS - EAST GRAND ROAD
 SCALE: 1"=20' SHEET 1 OF 4 SHEETS STA. 29+12.92 TO STA.

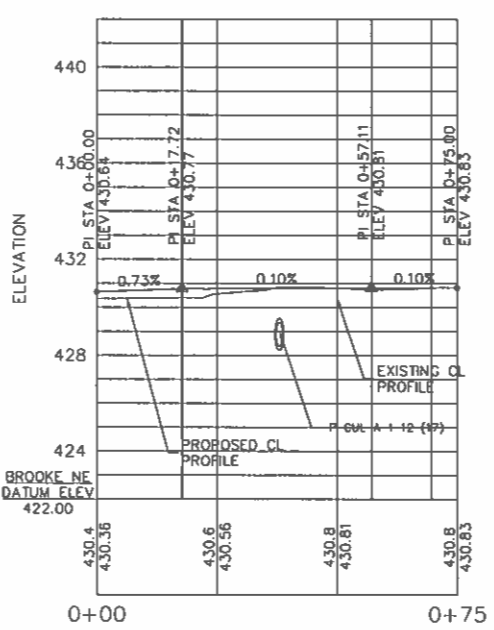
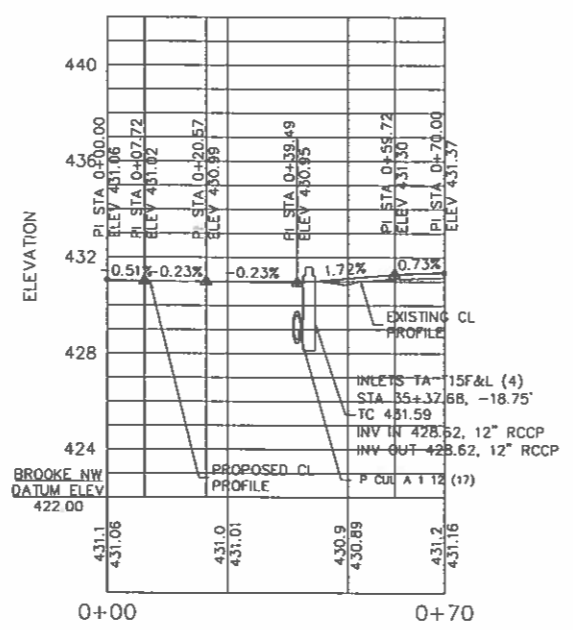
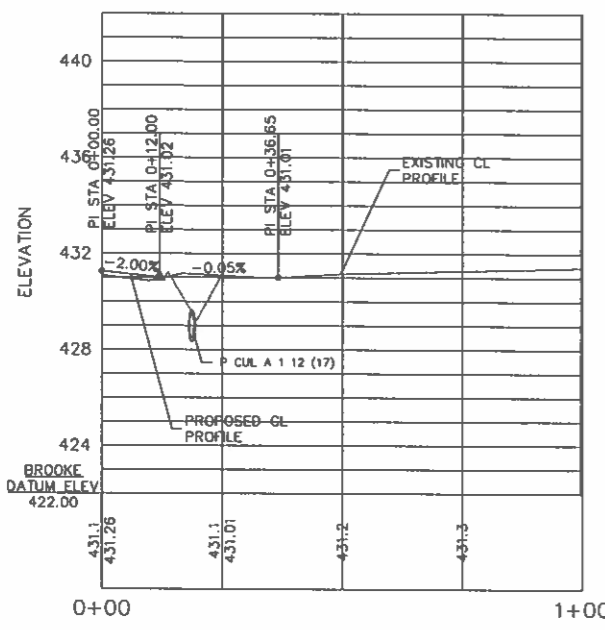
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17-00013-00-PV		WILLIAMSON	53	23
CONTRACT NO. 99610			ILLINOIS FED. AID PROJECT	



BROOKE							
NUMBER	START STA	START N E	RADIUS	LENGTH	LINE/CHORD BEARING	END STA	END N E
L33	0+00.00	399078.01 773889.10		99.70	N0° 54' 11"W	0+99.70	399177.70 773887.53

BROOKE NW							
NUMBER	START STA	START N E	RADIUS	LENGTH	LINE/CHORD BEARING	END STA	END N E
L29	0+00.00	399134.24 773877.50		7.72	S0° 53' 49"E	0+07.72	399126.52 773877.62
L30	0+07.72	399126.52 773877.62		12.85	S0° 52' 30"E	0+20.57	399113.67 773877.81
C16	0+20.57	399113.67 773877.61	25.00	39.15	S43° 59' 24"W	0+59.72	399088.30 773853.32
L31	0+59.72	399088.30 773853.32		10.28	S88° 51' 18"W	0+70.00	399088.09 773843.04

BROOKE NE							
NUMBER	START STA	START N E	RADIUS	LENGTH	LINE/CHORD BEARING	END STA	END N E
L26	0+00.00	399090.09 773943.02		17.72	S88° 51' 18"W	0+17.72	399089.74 773925.30
C15	0+17.72	399089.74 773925.30	25.00	39.39	N46° 00' 36"W	0+57.11	399114.35 773899.81
L27	0+57.11	399114.35 773899.81		12.52	N0° 52' 30"W	0+69.62	399126.86 773899.61
L28	0+69.62	399126.86 773899.61		5.38	N0° 53' 49"W	0+75.00	399132.24 773899.53



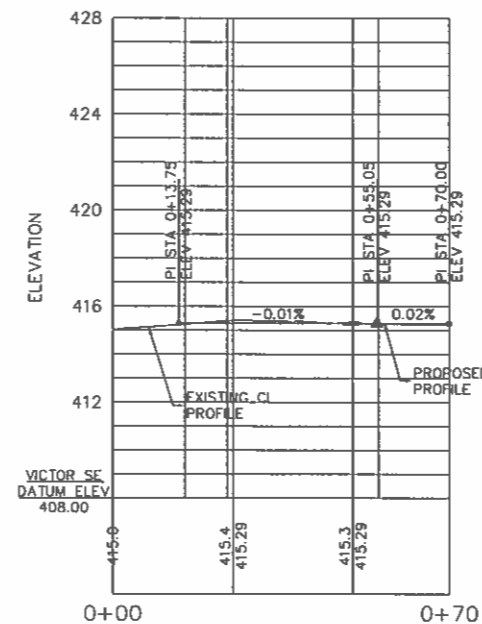
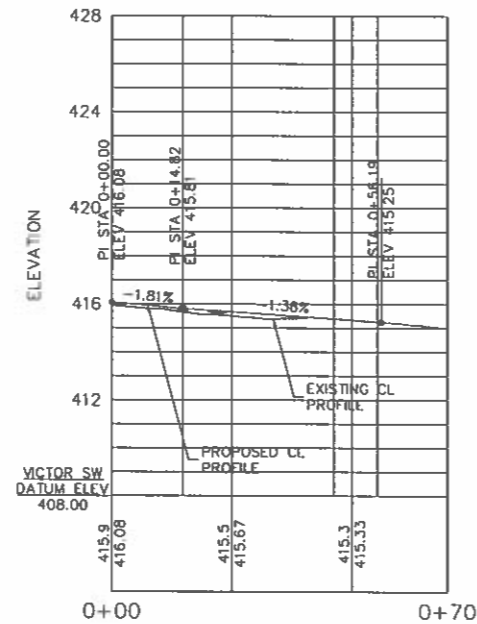
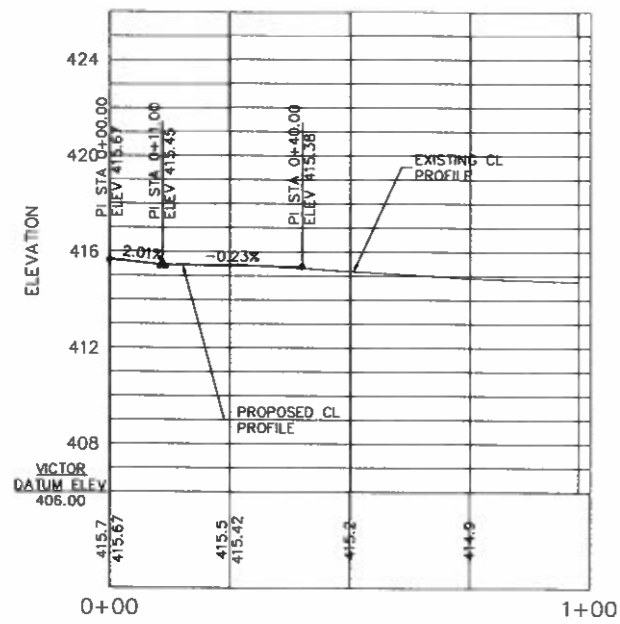
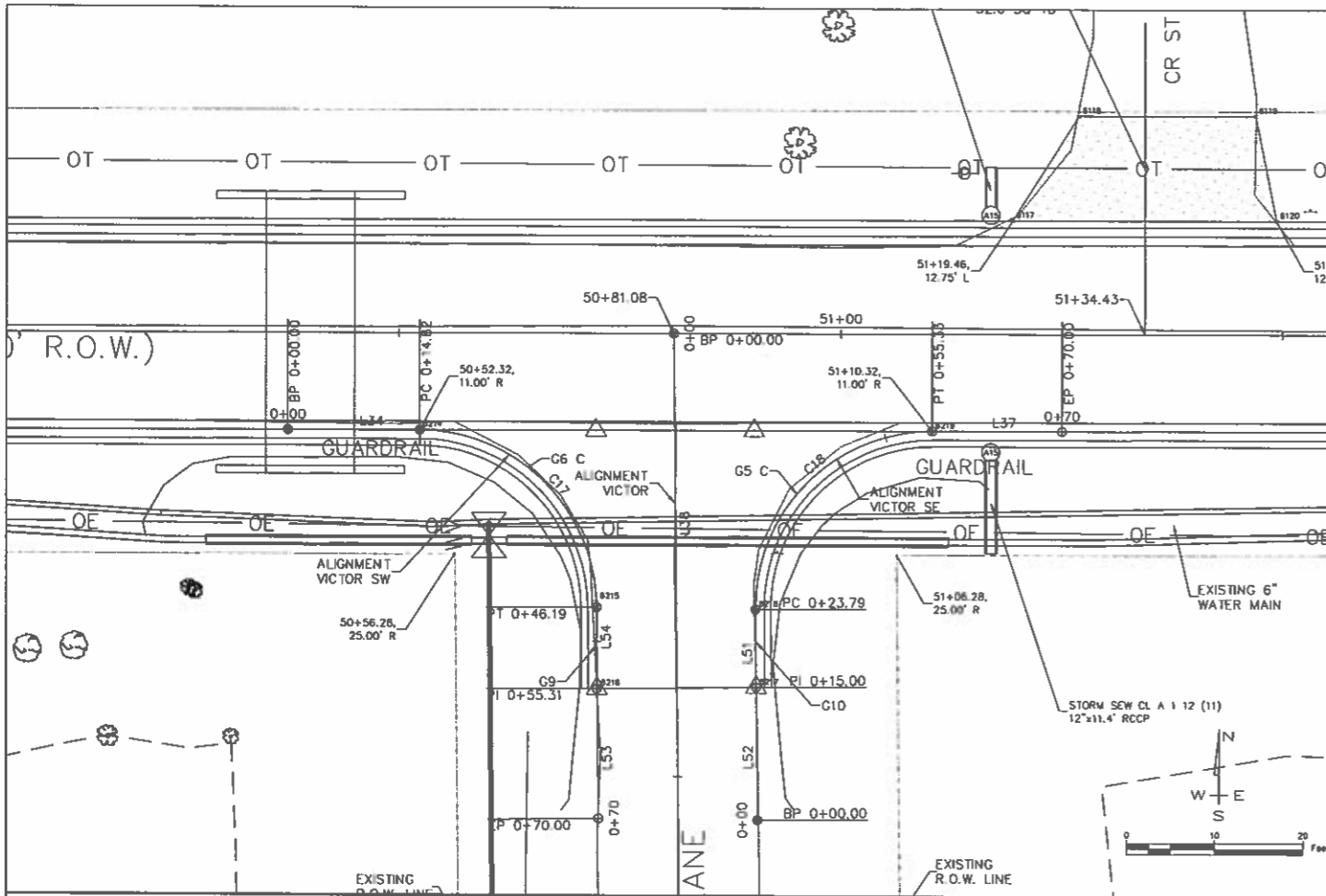
JOHN H. CRAWFORD & ASSOCIATES, P.C.
CIVIL ENGINEERS, LAND SURVEYORS
201 SOUTH GARDNER STREET, CARLEVILLE, ILLINOIS 62914
PHONE (618) 955-0370 FAX (618) 955-8902
PROFESSIONAL DESIGN PERM # 184-882985

USER NAME =	DESIGNED -- JHC	REVISED --
PLOT SCALE =	DRAWN -- JHC	REVISED --
PLOT DATE =	CHECKED -- RLM	REVISED --
	DATE -- 10/02/18	REVISED --

VILLAGE OF CRAINVILLE
EAST GRAND ROAD IMPROVEMENT
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN, PROFILE, & COORDINATES FOR
STREET RETURNS - EAST GRAND ROAD
SCALE: 1"=20'
SHEET 2 OF 4 SHEETS STA. 35+68.41 TO STA. X+XX

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00013-00-PV	WILLIAMSON	53	24
CONTRACT NO. 99610			ILLINOIS FED. AID PROJECT	



VICTOR							
NUMBER	START STA	START N E	RADIUS	LENGTH	LINE/CHORD BEARING	END STA	END N E
L38	0+00.00	399092.74 775411.69		97.47	S0° 32' 30"E	0+97.47	398995.27 775412.61

VICTOR SW							
NUMBER	START STA	START N E	RADIUS	LENGTH	LINE/CHORD BEARING	END STA	END N E
L34	0+00.00	399081.67 775368.13		14.82	N89° 55' 02"E	0+14.82	399081.70 775382.95
C17	0+14.82	399081.70 775382.95	20.00	31.37	S45° 09' 12"E	0+46.19	399061.77 775402.98
L54	0+46.19	399061.77 775402.98		9.12	S0° 13' 26"E	0+55.31	399052.65 775403.01
L53	0+55.31	399052.65 775403.01		14.69	S0° 44' 29"E	0+70.00	399037.96 775403.20

VICTOR SE							
NUMBER	START STA	START N E	RADIUS	LENGTH	LINE/CHORD BEARING	END STA	END N E
L52	0+00.00	399037.84 775421.21		15.00	N0° 36' 25"W	0+15.00	399052.84 775421.05
L51	0+15.00	399052.84 775421.05		8.79	N0° 25' 47"W	0+23.79	399061.63 775420.98
C18	0+23.79	399061.63 775420.98	20.00	31.54	N44° 44' 38"E	0+55.33	399081.78 775440.95
L37	0+55.33	399081.78 775440.95		14.68	N89° 55' 02"E	0+70.00	399081.80 775455.63

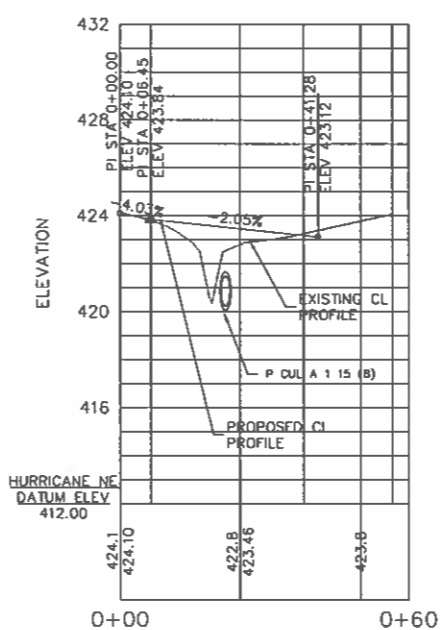
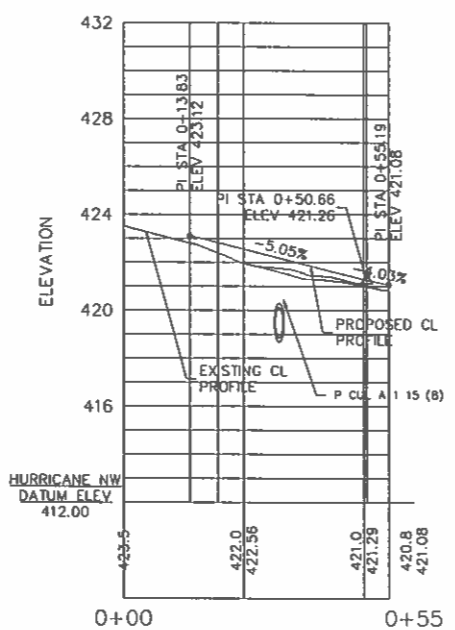
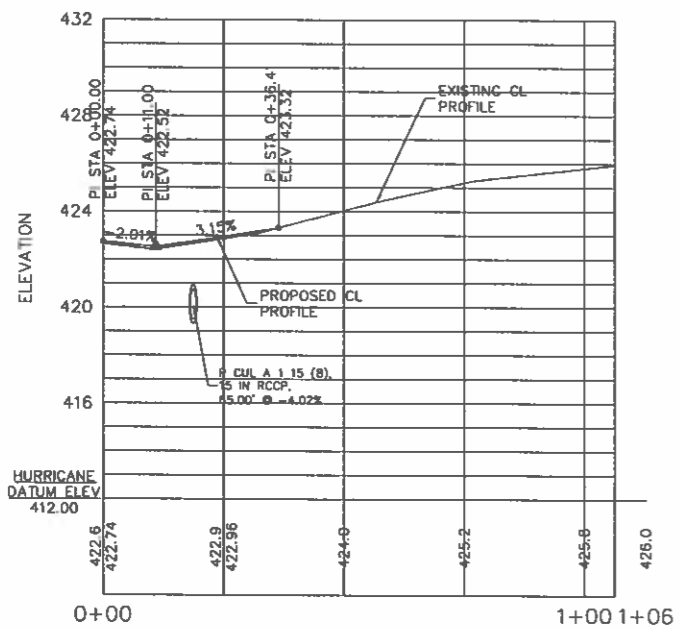
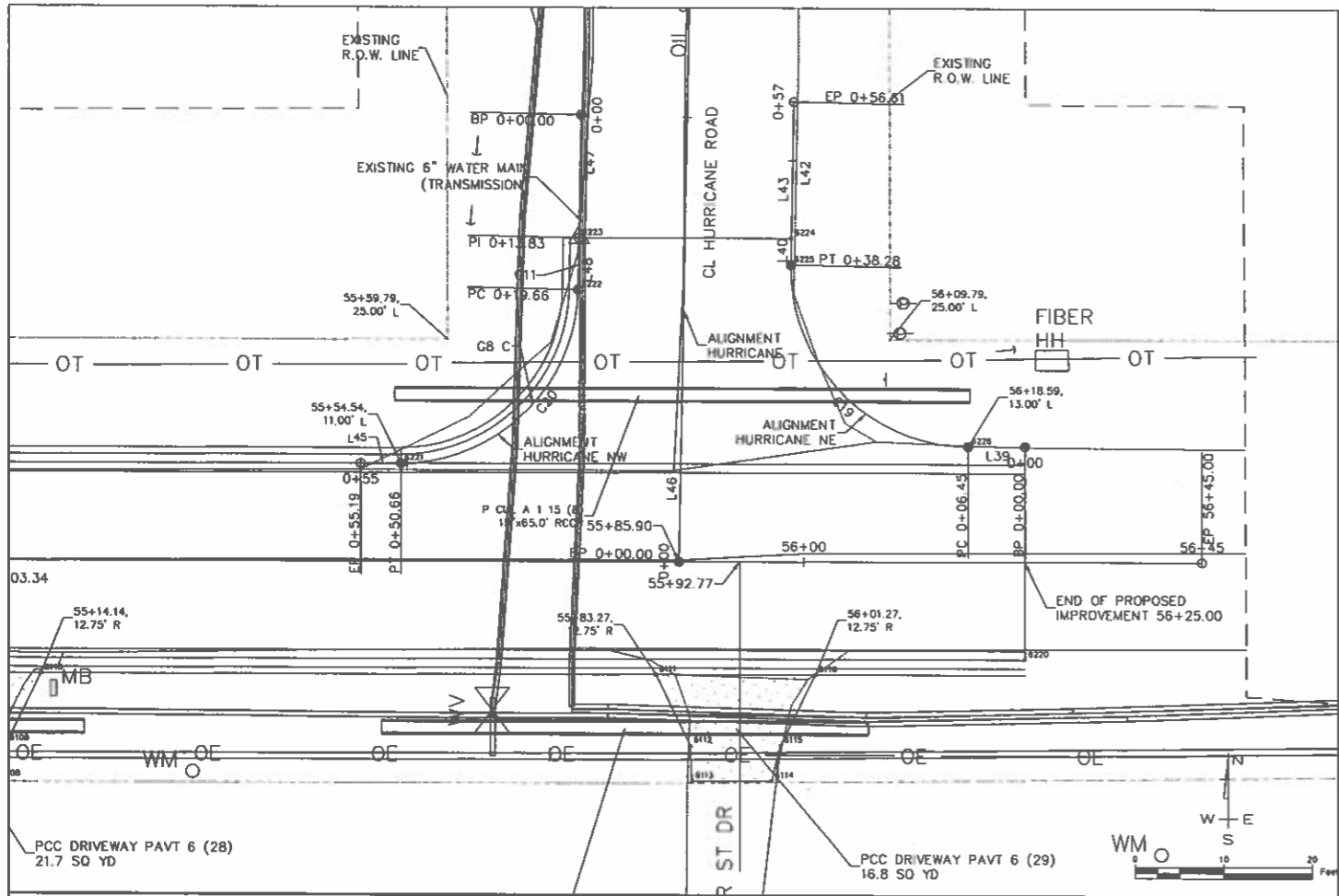
JOHN H. CRAWFORD & ASSOCIATES, P.C.
CIVIL ENGINEERS, LAND SURVEYORS
391 SOUTH DIVISION STREET, CHATTERTON, ILLINOIS 62411
PHONE (618) 955-3379 FAX (618) 955-4882
PROFESSIONAL DESIGN FIRM # 154-002895

USER NAME =
DESIGNED - JHC
DRAWN - JHC
CHECKED - RLM
DATE - 10/02/18
REVISD -
REVISD -
REVISD -
REVISD -

VILLAGE OF CRAINVILLE
EAST GRAND ROAD IMPROVEMENT
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN, PROFILE, & COORDINATES FOR
STREET RETURNS - EAST GRAND ROAD
SCALE: 1"=20'
SHEET 3 OF 4 SHEETS STA. 50.81.08 TO STA.

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17-00013-00-PV		WILLIAMSON	53	25
CONTRACT NO. 99610			ILLINOIS FED. AID PROJECT	



HURRICANE							
NUMBER	START STA	START N E	RADIUS	LENGTH	LINE/CHORD BEARING	END STA	END N E
L46	0+00.00	399093.47 775916.51		106.38	N1° 06' 23"E	1+06.38	399199.83 775918.56

HURRICANE NW							
NUMBER	START STA	START N E	RADIUS	LENGTH	LINE/CHORD BEARING	END STA	END N E
L47	0+00.00	399143.69 775905.48		13.83	S1° 06' 23"W	0+13.83	399129.86 775905.21
L48	0+13.83	399129.86 775905.21		5.83	S1° 06' 23"W	0+19.66	399124.03 775905.10
C20	0+19.66	399124.03 775905.10	20.00	31.00	S45° 30' 42"W	0+50.66	399104.42 775885.13
L45	0+50.66	399104.42 775885.13		4.54	S89° 55' 02"W	0+55.19	399104.41 775880.60

HURRICANE NE							
NUMBER	START STA	START N E	RADIUS	LENGTH	LINE/CHORD BEARING	END STA	END N E
L39	0+00.00	399106.52 775955.63		6.45	S89° 55' 02"W	0+06.45	399106.51 775949.18
C19	0+06.45	399106.51 775949.18	20.00	31.83	N44° 29' 18"W	0+38.28	399126.90 775929.16
L40	0+38.28	399126.90 775929.16		18.33	N1° 06' 23"E	0+56.61	399145.23 775929.51
L43	0+38.28	399126.90 775929.16		18.33	N1° 06' 23"E	0+56.61	399145.23 775929.51

JOHN H. CRAWFORD & ASSOCIATES, P.C.
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241 SOUTH DIVISION STREET, CARLETONVILLE, ILLINOIS 62011
PHONE (618) 888-8770 FAX (618) 888-8882
PROFESSIONAL DESIGN FORM # 184-02/08

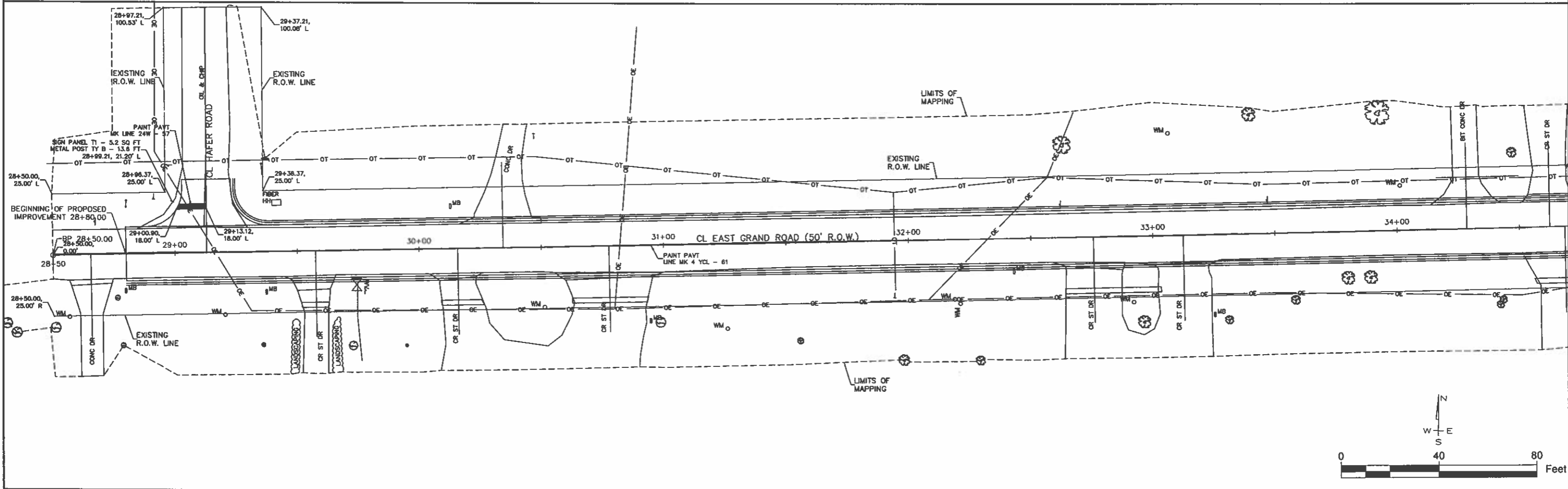
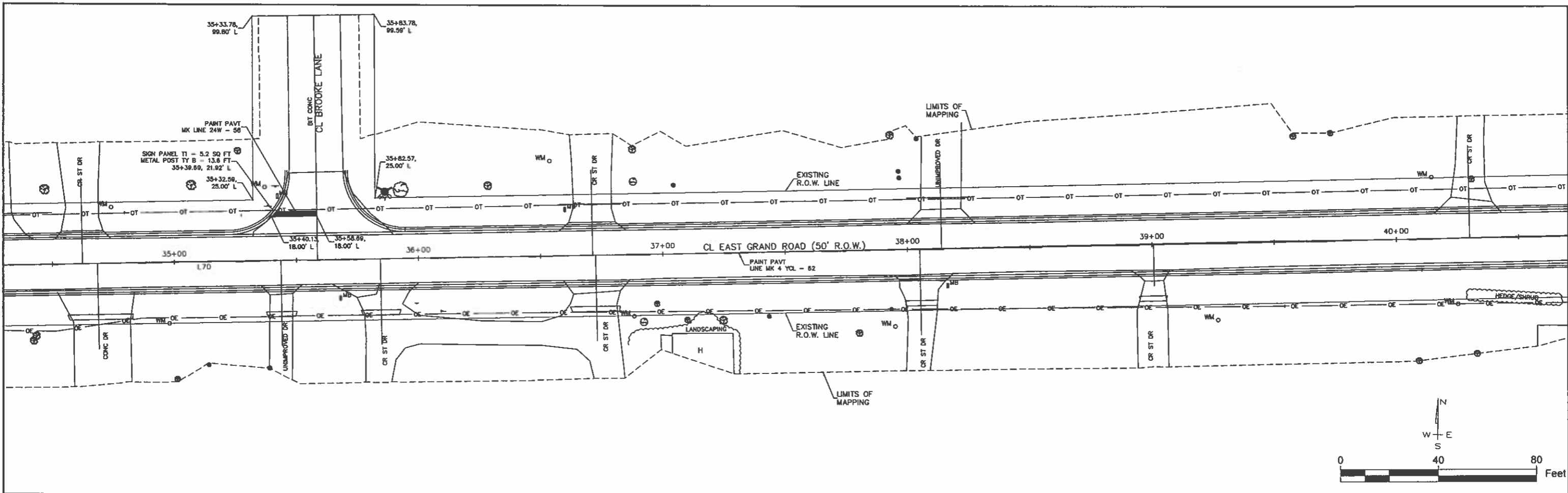
USER NAME =	DESIGNED - JHC	REVISED -
PLOT SCALE =	DRAWN - JHC	REVISED -
PLOT DATE =	CHECKED - RLM	REVISED -
	DATE - 10/02/08	REVISED -

VILLAGE OF CRAINVILLE
EAST GRAND ROAD IMPROVEMENT
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN, PROFILE, & COORDINATES FOR
STREET RETURNS - EAST GRAND ROAD
SCALE: 1"=20'

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00013-00-PV	WILLIAMSON	53	26
			CONTRACT NO. 99610	
ILLINOIS FED. AID PROJECT				

SHEET 1 OF 4 SHEETS STA. 55+85.90 TO STA.




JOHN H. CRAWFORD & ASSOCIATES, P.C.
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 371 SOUTH DIVISION STREET, CARLETONVILLE, ILLINOIS 60014
 PHONE (618) 385-8170 FAX (618) 385-4822
 PROFESSIONAL DESIGN FIRM # 134-020266

USER NAME =
 PLOT SCALE =
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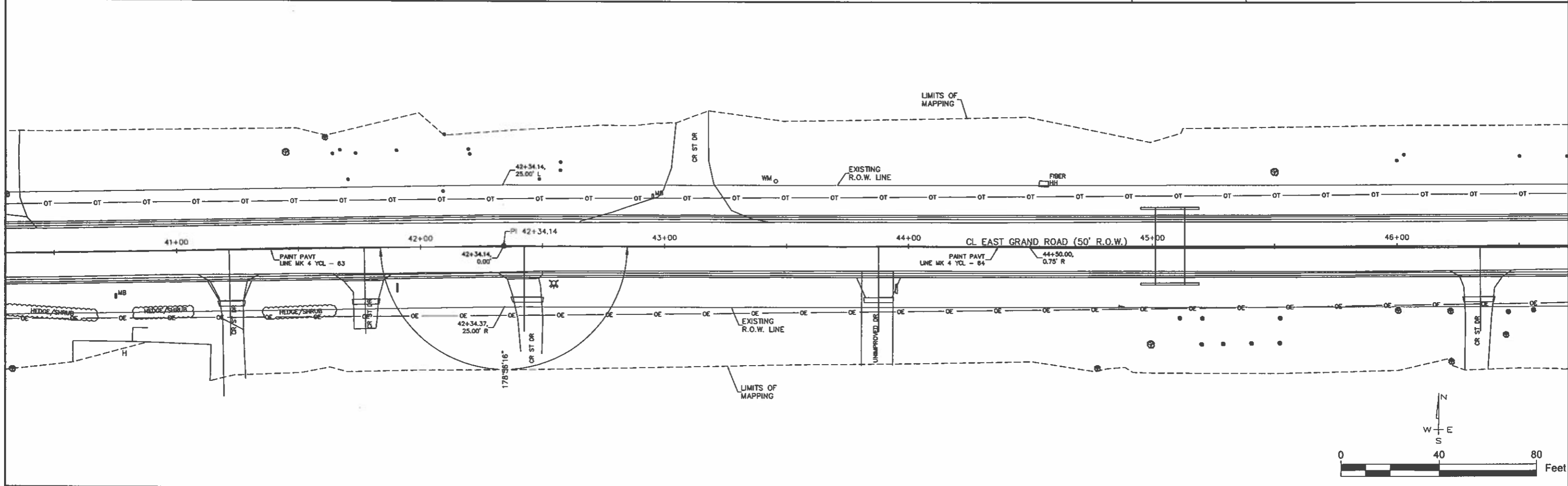
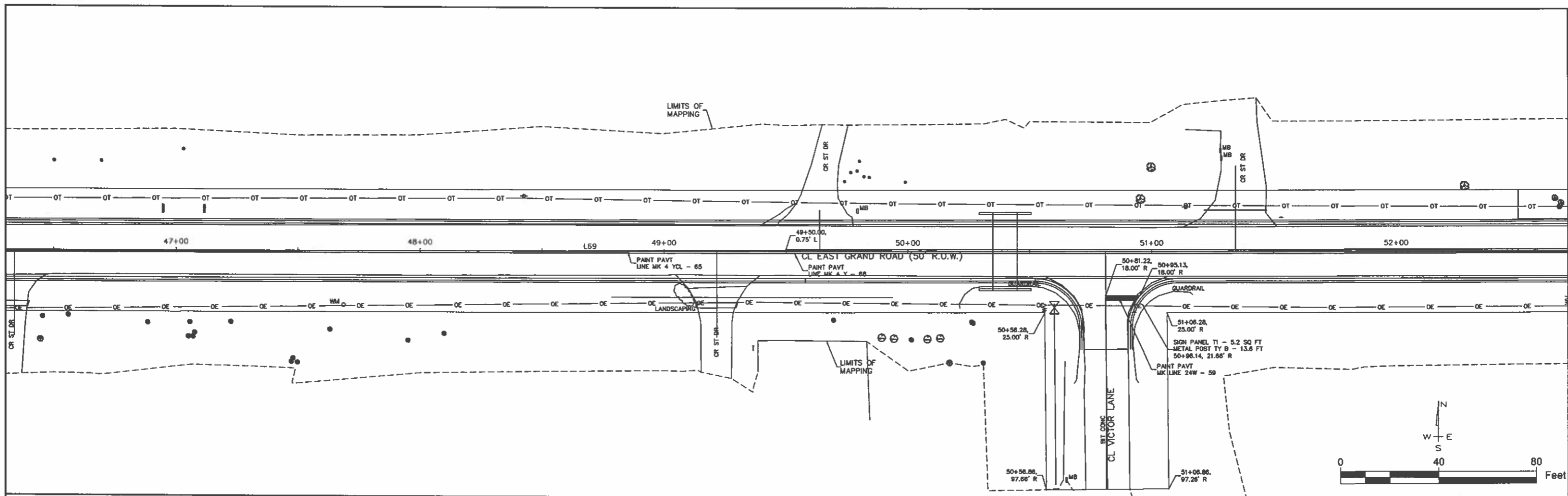
DESIGNED - JHC
 DRAWN - JHC
 CHECKED - RLM
 DATE - 10/02/18

REVISED -
 REVISED -
 REVISED -
 REVISED -

VILLAGE OF CRAINVILLE
EAST GRAND ROAD IMPROVEMENT
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNAGE
EAST GRAND ROAD
 SCALE: 1"=20'
 SHEET 1 OF 3 SHEETS STA. 28+80.00 TO STA. 40+50.00

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17-00013-00-PV		WILLIAMSON	53	27
CONTRACT NO. 99610				
ILLINOIS FED. AID PROJECT				



 JOHN H. CRAWFORD & ASSOCIATES, P.C. CIVIL ENGINEERS, LAND SURVEYORS 381 SOUTH DIXON STREET, CARLEVILLE, ILLINOIS 62916 PHONE (618) 996-0370 FAX (618) 996-4998 PROFESSIONAL DESIGN PERM # 184-022883	USER NAME =	DESIGNED - JHC	REVISED -	VILLAGE OF CRAINVILLE EAST GRAND ROAD IMPROVEMENT STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING AND SIGNAGE EAST GRAND ROAD			RT#	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	DRAWN - JHC	REVISED -					17-00013-00-PV	WILLIAMSON	53	28	
	PLOT DATE =	CHECKED - RLM	REVISED -					CONTRACT NO. 99610				
		DATE - 10/02/18	REVISED -					ILLINOIS FED. AID PROJECT				
				SCALE: 1"=20'	SHEET 2 OF 3 SHEETS	STA. 40+50.00 TO STA. 52+50.00						

SIGN PANEL T1 METAL POST TYB	STA	O/S	R1-1 SQ FT	POST FOOT
EX CL	28+99.2	21.2L	5.2	13.5
	35+39.7	21.9L	5.2	13.5
	50+96.1	21.6R	5.2	13.5
	55+68.7	21.7L	5.2	13.5
TOTAL			20.8	54.0

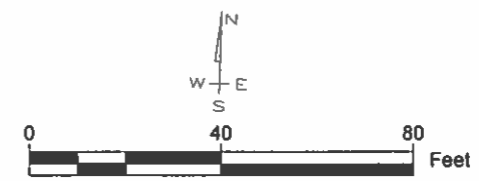
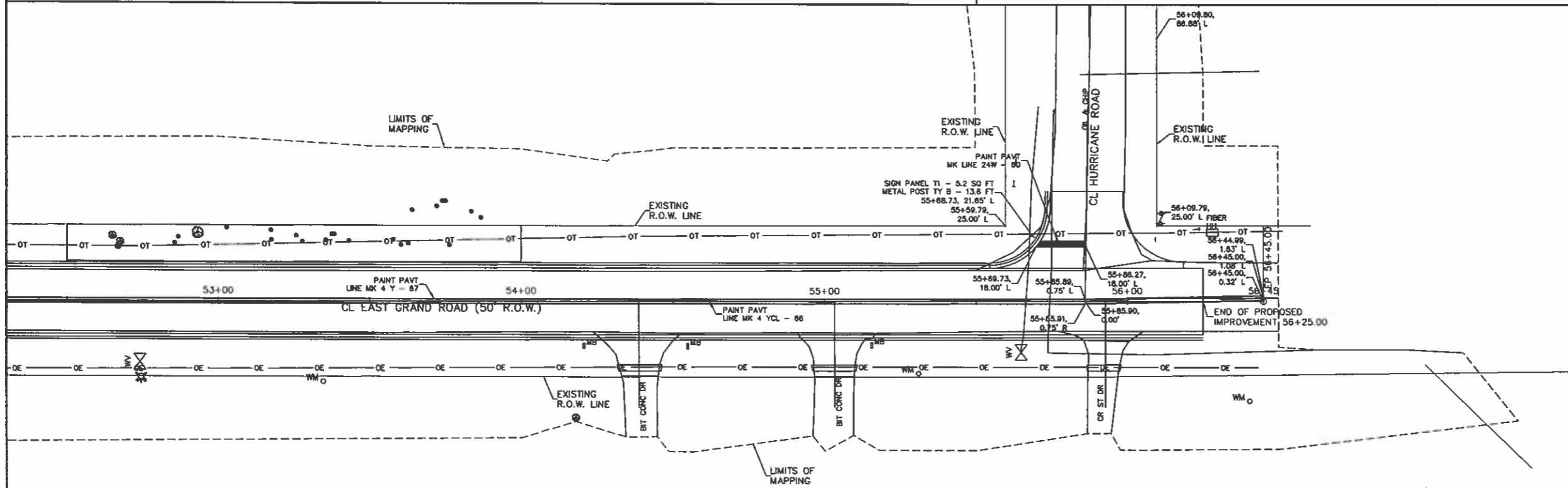
PAINT PVT MK LINE 24 (WHITE)	
LINE NO.	LENGTH (FT)
PAINT PAVT MK LINE 24W - 57	11.7
PAINT PAVT MK LINE 24W - 58	17.6
PAINT PAVT MK LINE 24W - 59	13.1
PAINT PAVT MK LINE 24W - 60	15.8
TOTAL	58.2

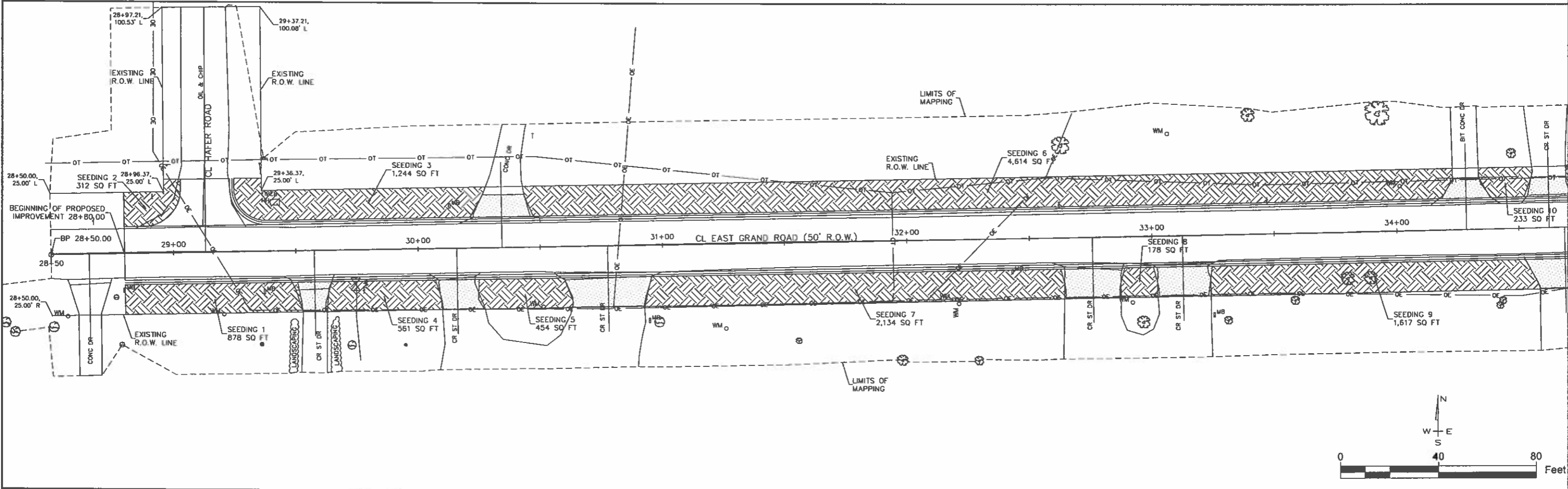
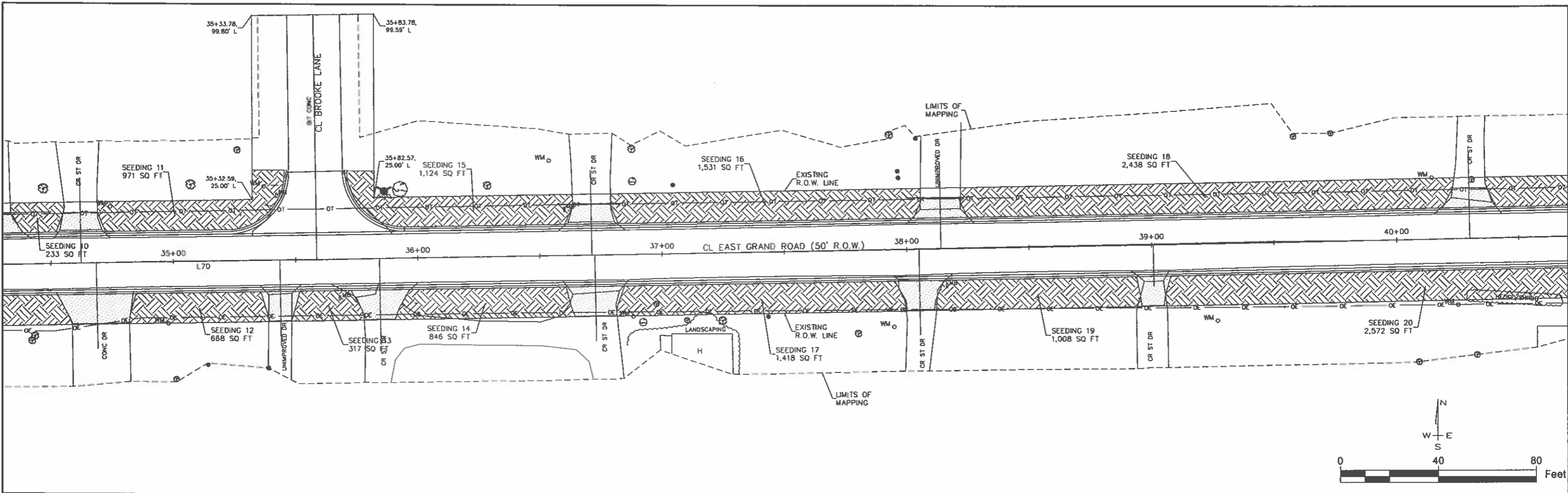
PAINT PVT MK LINE 4 (YELLOW CENTER LINE)	
LINE NO.	LENGTH (FT)
PAINT PAVT LINE MK 4 YCL - 61	600.0
PAINT PAVT LINE MK 4 YCL - 62	600.1
PAINT PAVT LINE MK 4 YCL - 63	184.1
PAINT PAVT LINE MK 4 YCL - 64	415.9
PAINT PAVT LINE MK 4 YCL - 65	600.0
PAINT PAVT LINE MK 4 YCL - 66	335.9
TOTAL	2736.0

START AND END STATIONS AND OFFSETS ARE AS SHOWN ON THE PLAN AND AS DIRECTED BY THE ENGINEER.

PAINT PVT MK LINE 4 (YELLOW)	
LINE NO.	LENGTH (FT)
PAINT PAVT LINE MK 4 Y - 67	635.9
PAINT PAVT LINE MK 4 Y - 68	1135.9
TOTAL	1771.8

START AND END STATIONS AND OFFSETS ARE AS SHOWN ON THE PLAN AND AS DIRECTED BY THE ENGINEER.





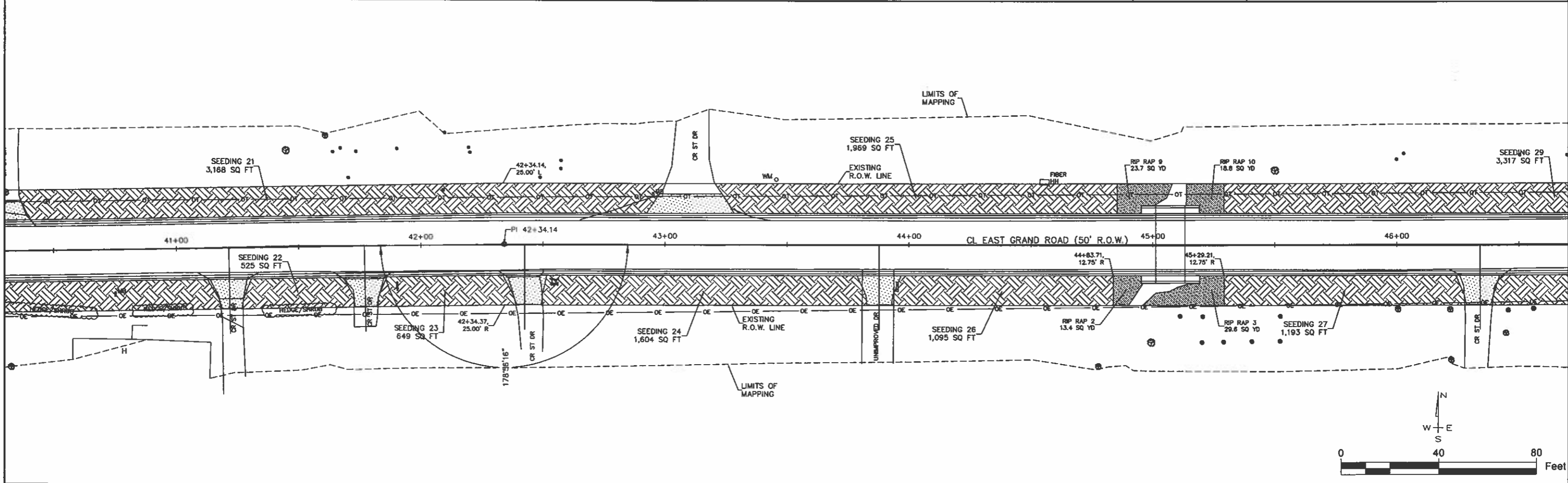
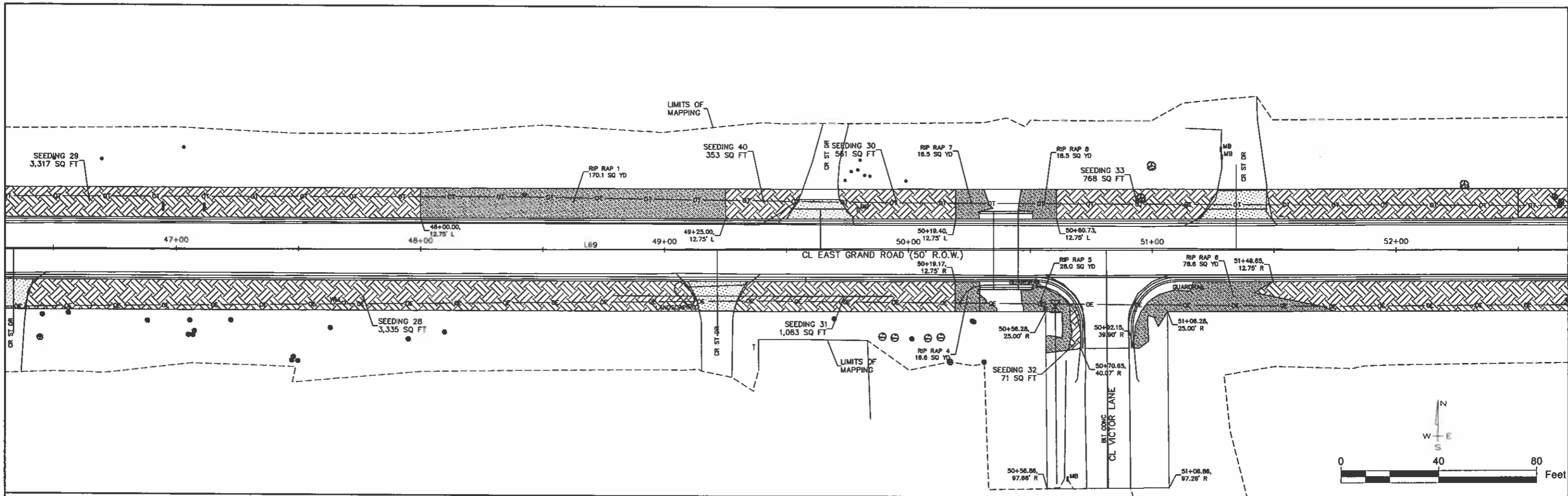

JOHN H. CRAWFORD & ASSOCIATES, P.C.
 CIVIL ENGINEERS, LAND SURVEYORS
 301 SOUTH DIVISION STREET, CARTERSVILLE, ALABAMA 35914
 PHONE (818) 988-8370 FAX (818) 988-4882
 PROFESSIONAL DESIGN PERM # 184-882885

USER NAME =	DESIGNED — JHC	REVISED —
PLOT SCALE =	DRAWN — JHC	REVISED —
PLOT DATE =	CHECKED — RLM	REVISED —
	DATE — 10/02/18	REVISED —

VILLAGE OF CRAINVILLE
EAST GRAND ROAD IMPROVEMENT
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SLOPE PROTECTION AND SEEDING
EAST GRAND ROAD
 SCALE: 1"=20'
 SHEET 1 OF 3 SHEETS STA. 28+80.00 TO STA. 40+50.00

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17-00013-00-PV		WILLIAMSON	53	30
ILLINOIS FED. AID PROJECT				



<p>JOHN H. CRAWFORD & ASSOCIATES, P.C. CIVIL ENGINEERS, LAND SURVEYORS 301 SOUTH COVINGTON STREET, CARLETONVILLE, ILLINOIS 62231 PHONE (618) 998-0379 FAX (618) 998-0882 PROFESSIONAL DESIGN PERM # 164-022866</p>	USER NAME =	DESIGNED -- JHC	REVISED --	<p>VILLAGE OF CRAINVILLE EAST GRAND ROAD IMPROVEMENT STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p>	<p>SLOPE PROTECTION AND SEEDING EAST GRAND ROAD</p>		<table border="1"> <tr> <th>ROUTE</th> <th>SECTION</th> <th>COUNTY</th> <th>TOTAL SHEETS</th> <th>SHEET NO.</th> </tr> <tr> <td></td> <td>17-00013-00-PV</td> <td>WILLIAMSON</td> <td>53</td> <td>31</td> </tr> </table>	ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		17-00013-00-PV	WILLIAMSON	53	31
	ROUTE	SECTION	COUNTY		TOTAL SHEETS	SHEET NO.											
		17-00013-00-PV	WILLIAMSON		53	31											
	PLOT SCALE =	CHECKED -- RLM	REVISED --		<p>SCALE: 1"=20'</p>	<table border="1"> <tr> <td>SHEET 2 OF 3 SHEETS</td> <td>STA. 40+50.00 TO STA. 52+50.00</td> </tr> </table>	SHEET 2 OF 3 SHEETS	STA. 40+50.00 TO STA. 52+50.00	<p>CONTRACT NO. 99610</p>								
SHEET 2 OF 3 SHEETS	STA. 40+50.00 TO STA. 52+50.00																
PLOT DATE =	DATE -- 10/02/18	REVISED --		ILLINOIS FED. AID PROJECT													

RIP RAP	
NAME	AREA
RIP RAP 1	170.1 SQ YD
RIP RAP 2	13.4 SQ YD
RIP RAP 3	29.6 SQ YD
RIP RAP 4	16.6 SQ YD
RIP RAP 5	28.0 SQ YD
RIP RAP 6	78.6 SQ YD
RIP RAP 7	16.5 SQ YD
RIP RAP 8	18.5 SQ YD
RIP RAP 9	23.7 SQ YD
RIP RAP 10	18.8 SQ YD
TOTAL	413.9 SQ YD

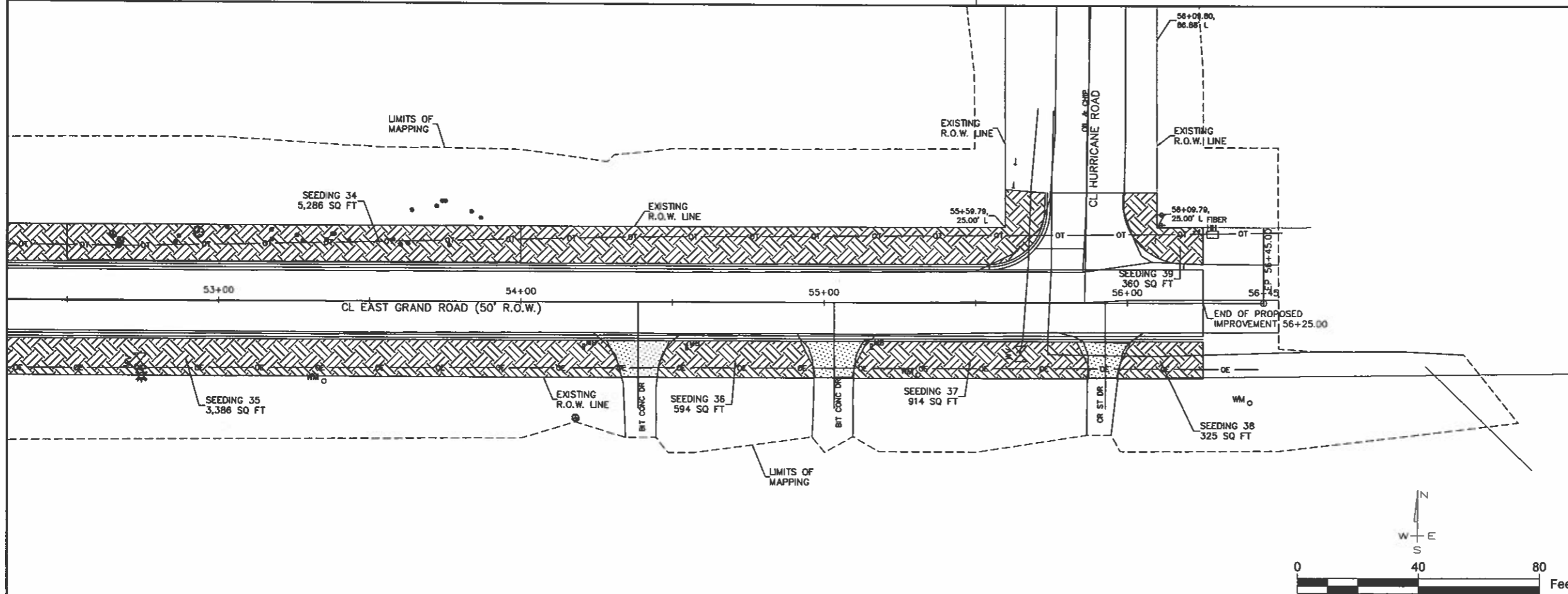
SEEDING		
NAME	AREA	AREA
SEEDING 1	878 SQ FT	0.020 AC
SEEDING 2	312 SQ FT	0.007 AC
SEEDING 3	1244 SQ FT	0.029 AC
SEEDING 4	561 SQ FT	0.013 AC
SEEDING 5	454 SQ FT	0.010 AC
SEEDING 6	4614 SQ FT	0.106 AC
SEEDING 7	2134 SQ FT	0.049 AC
SEEDING 8	178 SQ FT	0.004 AC
SEEDING 9	1817 SQ FT	0.037 AC
SEEDING 10	233 SQ FT	0.005 AC
SEEDING 11	971 SQ FT	0.022 AC
SEEDING 12	868 SQ FT	0.015 AC
SEEDING 13	317 SQ FT	0.007 AC
SEEDING 14	846 SQ FT	0.019 AC
SEEDING 15	1124 SQ FT	0.026 AC
SEEDING 16	1531 SQ FT	0.035 AC
SEEDING 17	1418 SQ FT	0.033 AC
SEEDING 18	2438 SQ FT	0.056 AC
SEEDING 19	1008 SQ FT	0.023 AC
SEEDING 20	2572 SQ FT	0.059 AC

SEEDING		
NAME	AREA	AREA
SEEDING 21	3168 SQ FT	0.073 AC
SEEDING 22	525 SQ FT	0.012 AC
SEEDING 23	649 SQ FT	0.015 AC
SEEDING 24	1604 SQ FT	0.037 AC
SEEDING 25	1969 SQ FT	0.045 AC
SEEDING 26	1095 SQ FT	0.025 AC
SEEDING 27	1193 SQ FT	0.027 AC
SEEDING 28	3335 SQ FT	0.077 AC
SEEDING 29	3317 SQ FT	0.076 AC
SEEDING 30	561 SQ FT	0.013 AC
SEEDING 31	1083 SQ FT	0.025 AC
SEEDING 32	71 SQ FT	0.002 AC
SEEDING 33	768 SQ FT	0.018 AC
SEEDING 34	5286 SQ FT	0.121 AC
SEEDING 35	3386 SQ FT	0.078 AC
SEEDING 36	594 SQ FT	0.014 AC
SEEDING 37	914 SQ FT	0.021 AC
SEEDING 38	325 SQ FT	0.007 AC
SEEDING 39	360 SQ FT	0.008 AC
SEEDING 40	353 SQ FT	0.008 AC
TOTAL	55,714 SQ FT	1.279 AC

CONSTRUCT TEMPORARY DITCH CHECKS AT UPSTREAM ENDS OF CULVERTS IMMEDIATELY UPSTREAM OF BOX CULVERTS, AND AS DIRECTED BY THE ENGINEER.

CONSTRUCT TEMPORARY PERIMETER EROSION BARRIER NEAR THE FOLLOWING LOCATIONS, AND AS DIRECTED BY THE ENGINEER:

34+00 TO 34+50 RT
 45+00 RT
 50+00 RT
 51+50 TO 52+00 RT
 29+00 LT
 45+00 LT
 46+50 TO 47+00 LT
 49+50 TO 50+00 LT
 50+00 LT
 51+00 TO 52+00 LT



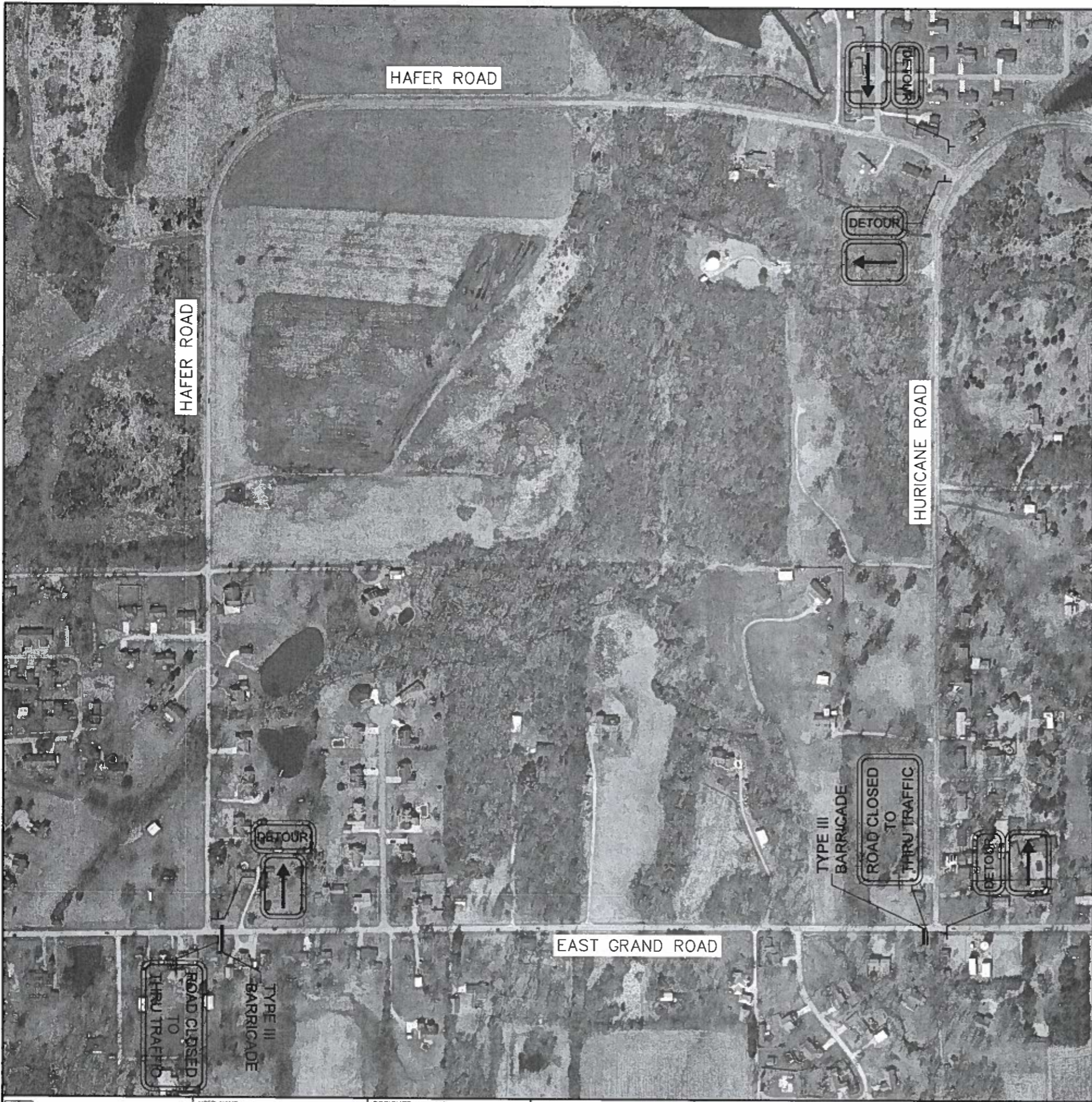
JOHN H. CRAWFORD & ASSOCIATES, P.C.
 CIVIL ENGINEERS, LAND SURVEYORS
 201 SOUTH DIVISION STREET, CARLEVEILLE, ILLINOIS 62919
 PHONE (618) 885-8278 FAX (618) 985-4882
 PROFESSIONAL GEOMETRY PRINT # 15A-002986

USER NAME =	DESIGNED = JHC	REVISED =
DRAWN = JHC	CHECKED = RLM	REVISED =
PLOT SCALE =	DATE = 10/02/18	REVISED =
PLOT DATE =		

VILLAGE OF CRAINVILLE
 EAST GRAND ROAD IMPROVEMENT
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SEEDING AND SLOPE PROTECTION
 EAST GRAND ROAD
 SCALE: 1"=20'
 SHEET 3 OF 3 SHEETS
 STA. 52+50.00 TO STA. 56+25.00

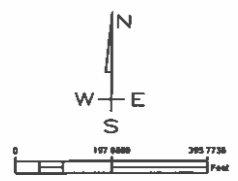
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17-00013-00-PV	WILLIAMSON	53	32	
CONTRACT NO. 99610				
ILLINOIS FED. AID PROJECT				



NOTES

1. THIS TRAFFIC CONTROL PLAN SHALL BE USED DURING CONSTRUCTION WORK WHEN THE ROAD MUST BE CLOSED.
2. WHEN POSSIBLE ROAD SHALL BE OPEN NIGHTS AND WEEKENDS.

3.  R11-4  M4-8
 M6-1



JOHN H. CRAWFORD & ASSOCIATES, P.C.
 CIVIL ENGINEERS, LAND SURVEYORS
 201 SOUTH OSBORN STREET, GAITHERSBURG, ILLINOIS 60141
 PHONE: 630-252-1212 FAX: 630-252-1213
 PROFESSIONAL DESIGN FIRM # 06-000288

USER NAME =	DESIGNED - JHC	REVISED -
PLOT SCALE =	DRAWN - JHC	REVISED -
PLOT DATE =	CHECKED - RLM	REVISED -
	DATE - 06/08/18	REVISED -

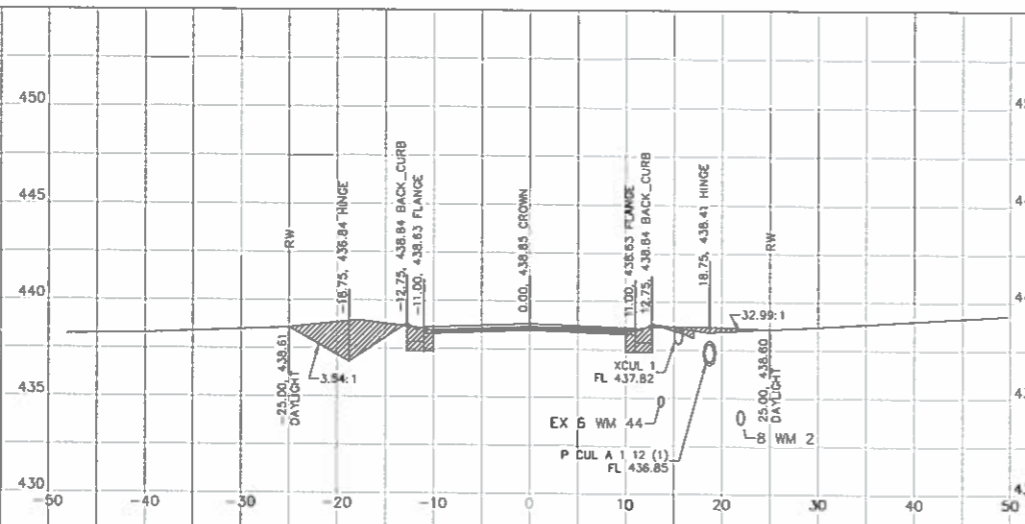
VILLAGE OF CRAINVILLE
EAST GRAND ROAD IMPROVEMENT
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN
EAST GRAND ROAD

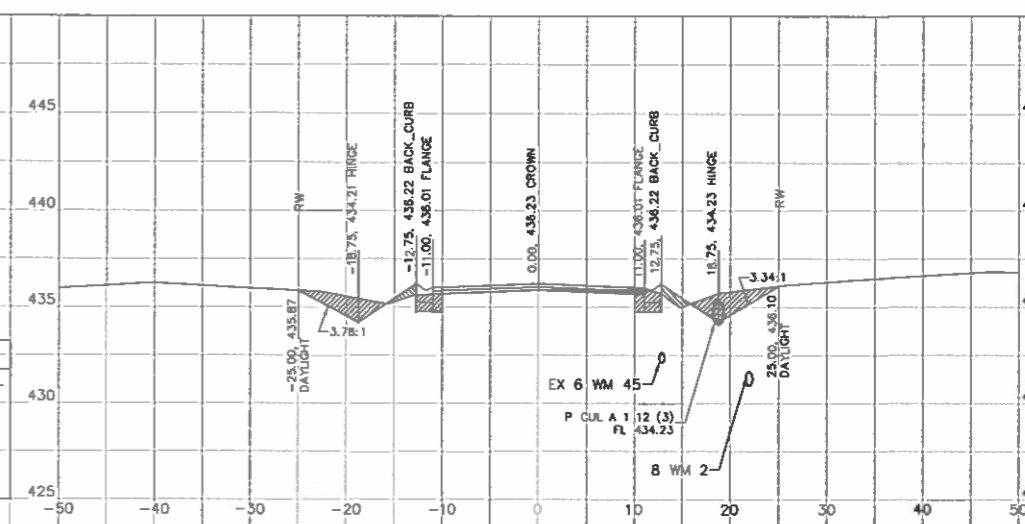
SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00013-00-PV	WILLIAMSON	53	33
CONTRACT NO. 99610				
ILLINOIS FED. AID PROJECT				

29+50.00				
NAME	AREA SQ FT	VOL CU YD	CUM VOL CU YD	
MILL	3.43	5.73	8.35	
HMA FILL	0.00	0.00	0.00	
CUT	25.31	36.88	49.81	
FILL	0.11	0.35	0.47	



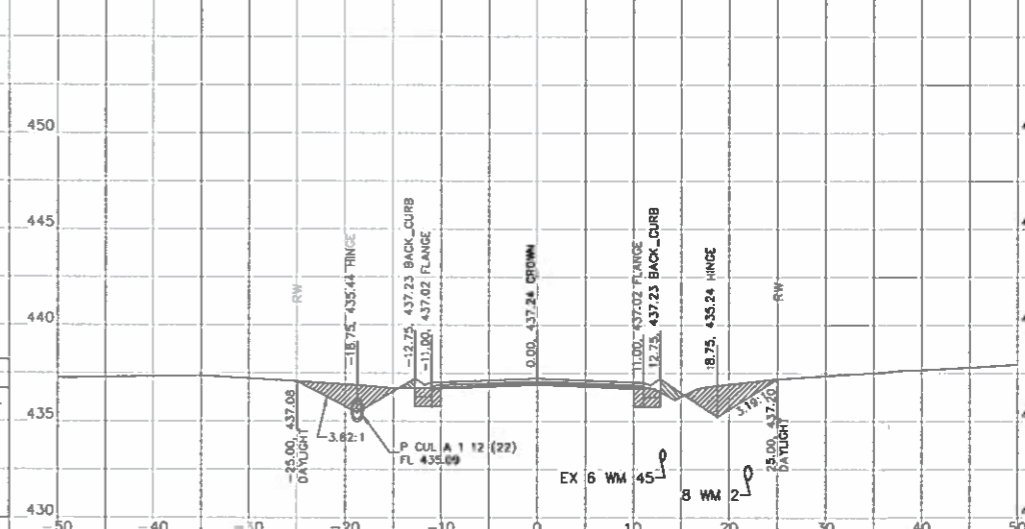
31+00.00				
NAME	AREA SQ FT	VOL CU YD	CUM VOL CU YD	
MILL	1.29	2.83	22.55	
HMA FILL	0.01	0.01	0.01	
CUT	19.51	39.31	192.12	
FILL	2.30	3.73	7.50	



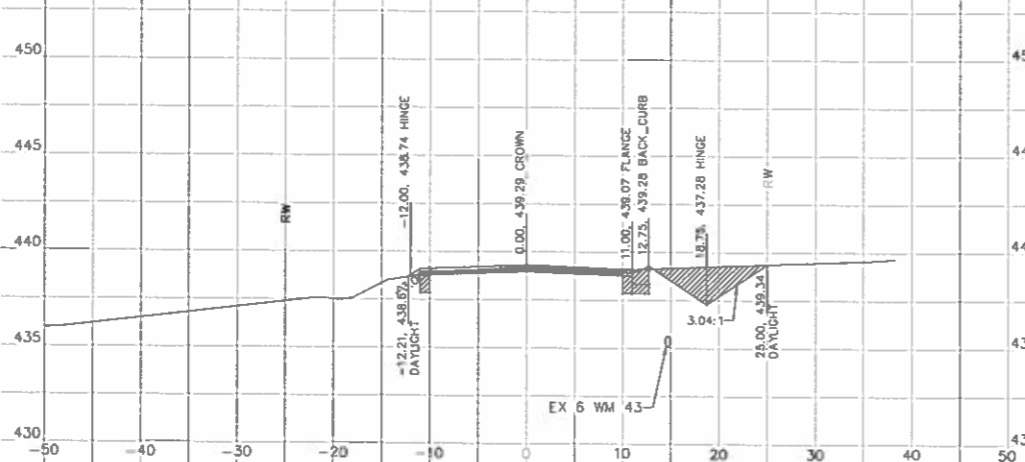
29+00.00				
NAME	AREA SQ FT	VOL CU YD	CUM VOL CU YD	
MILL	2.77	2.62	2.62	
HMA FILL	0.00	0.00	0.00	
CUT	14.52	12.93	12.93	
FILL	0.27	0.11	0.11	



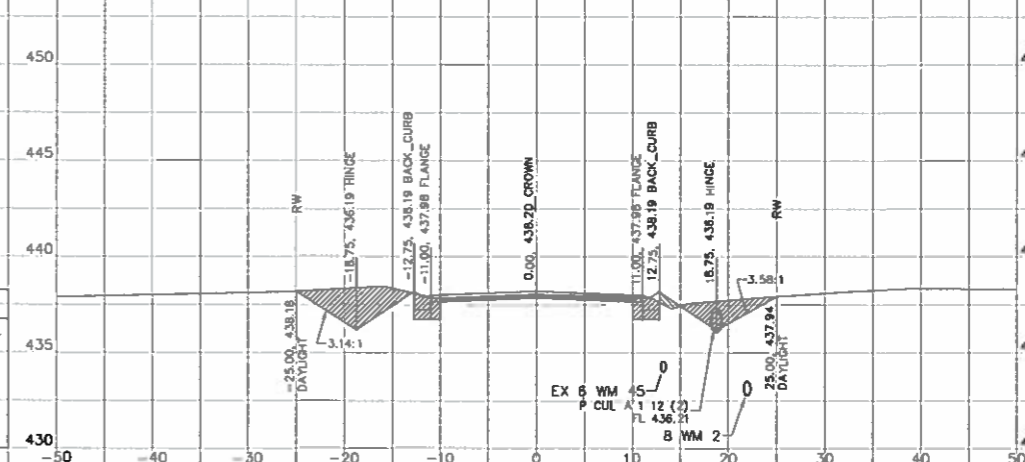
30+50.00				
NAME	AREA SQ FT	VOL CU YD	CUM VOL CU YD	
MILL	1.76	4.92	19.72	
HMA FILL	0.00	0.00	0.00	
CUT	22.95	50.41	152.81	
FILL	1.72	2.40	3.77	



28+80.00				
NAME	AREA SQ FT	VOL CU YD	CUM VOL CU YD	
MILL	4.31	0.00	0.00	
HMA FILL	0.00	0.00	0.00	
CUT	20.38	0.00	0.00	
FILL	0.04	0.00	0.00	



30+00.00				
NAME	AREA SQ FT	VOL CU YD	CUM VOL CU YD	
MILL	3.54	6.45	14.81	
HMA FILL	0.00	0.00	0.00	
CUT	31.49	52.59	102.40	
FILL	0.87	0.91	1.38	



JOHN H. CRAWFORD & ASSOCIATES, P.C.
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301 SOUTH DIVISION STREET, CARTERSVILLE, ILLINOIS 62913
PHONE (618) 398-6379 FAX (618) 398-6992
PROFESSIONAL DESIGN FIRM # 164-000006

USER NAME =	DESIGNED -- JHC	REVISED --
PLOT SCALE =	DRAWN -- JHC	REVISED --
PLOT DATE =	CHECKED -- RLM	REVISED --
	DATE -- 10/02/18	REVISED --

VILLAGE OF CRAINVILLE
EAST GRAND ROAD IMPROVEMENT
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
EAST GRAND ROAD
SCALE: SHEET 1 OF 10 SHEETS STA. 28.80.00 TO STA. 31+00.00

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17-00013-00-PV		WILLIAMSON	53	34
CONTRACT NO. 99610				
ILLINOIS FED. AID PROJECT				

32+50.00				
NAME	AREA SQ. FT.	VOL CU. YD.	CUM. VOL. CU. YD.	
MILL	3.52	7.83	39.15	
HMA FILL	0.00	0.00	0.03	
CUT	24.67	47.97	328.65	
FILL	0.84	1.46	14.19	

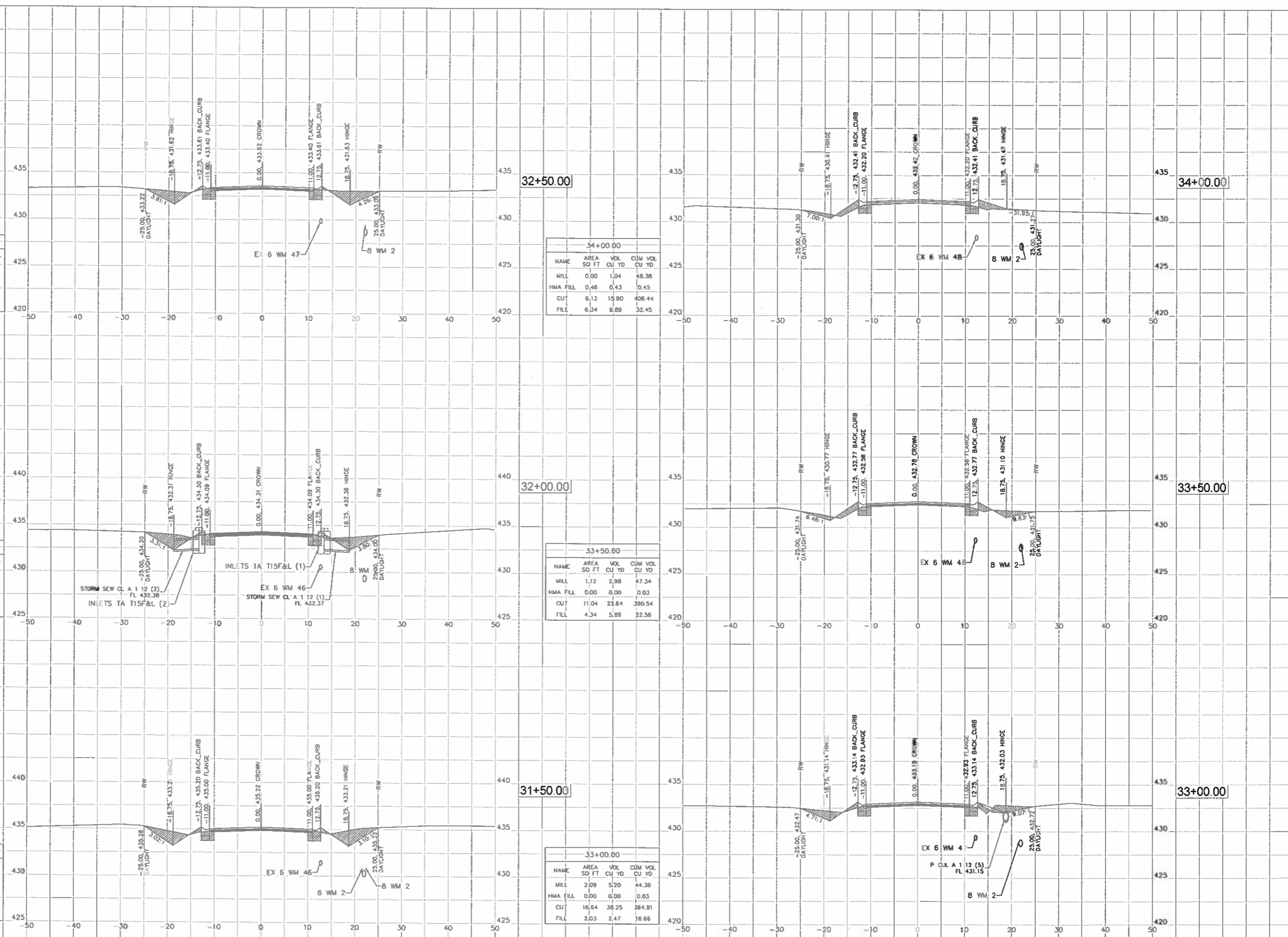
32+00.00				
NAME	AREA SQ. FT.	VOL CU. YD.	CUM. VOL. CU. YD.	
MILL	4.93	8.07	31.33	
HMA FILL	0.00	0.00	0.03	
CUT	27.14	46.82	278.68	
FILL	0.93	1.98	12.73	

31+50.00				
NAME	AREA SQ. FT.	VOL CU. YD.	CUM. VOL. CU. YD.	
MILL	1.53	2.70	25.26	
HMA FILL	0.00	0.01	0.03	
CUT	23.42	39.75	231.87	
FILL	1.21	3.25	10.75	

34+00.00				
NAME	AREA SQ. FT.	VOL CU. YD.	CUM. VOL. CU. YD.	
MILL	0.00	1.04	48.38	
HMA FILL	0.46	0.43	0.45	
CUT	6.13	15.90	406.44	
FILL	6.34	9.89	32.45	

33+50.00				
NAME	AREA SQ. FT.	VOL CU. YD.	CUM. VOL. CU. YD.	
MILL	1.12	2.98	47.34	
HMA FILL	0.00	0.00	0.03	
CUT	11.04	23.84	390.54	
FILL	4.34	5.89	22.56	

33+00.00				
NAME	AREA SQ. FT.	VOL CU. YD.	CUM. VOL. CU. YD.	
MILL	2.09	5.20	44.36	
HMA FILL	0.00	0.00	0.03	
CUT	16.64	38.25	384.91	
FILL	2.03	2.47	16.66	



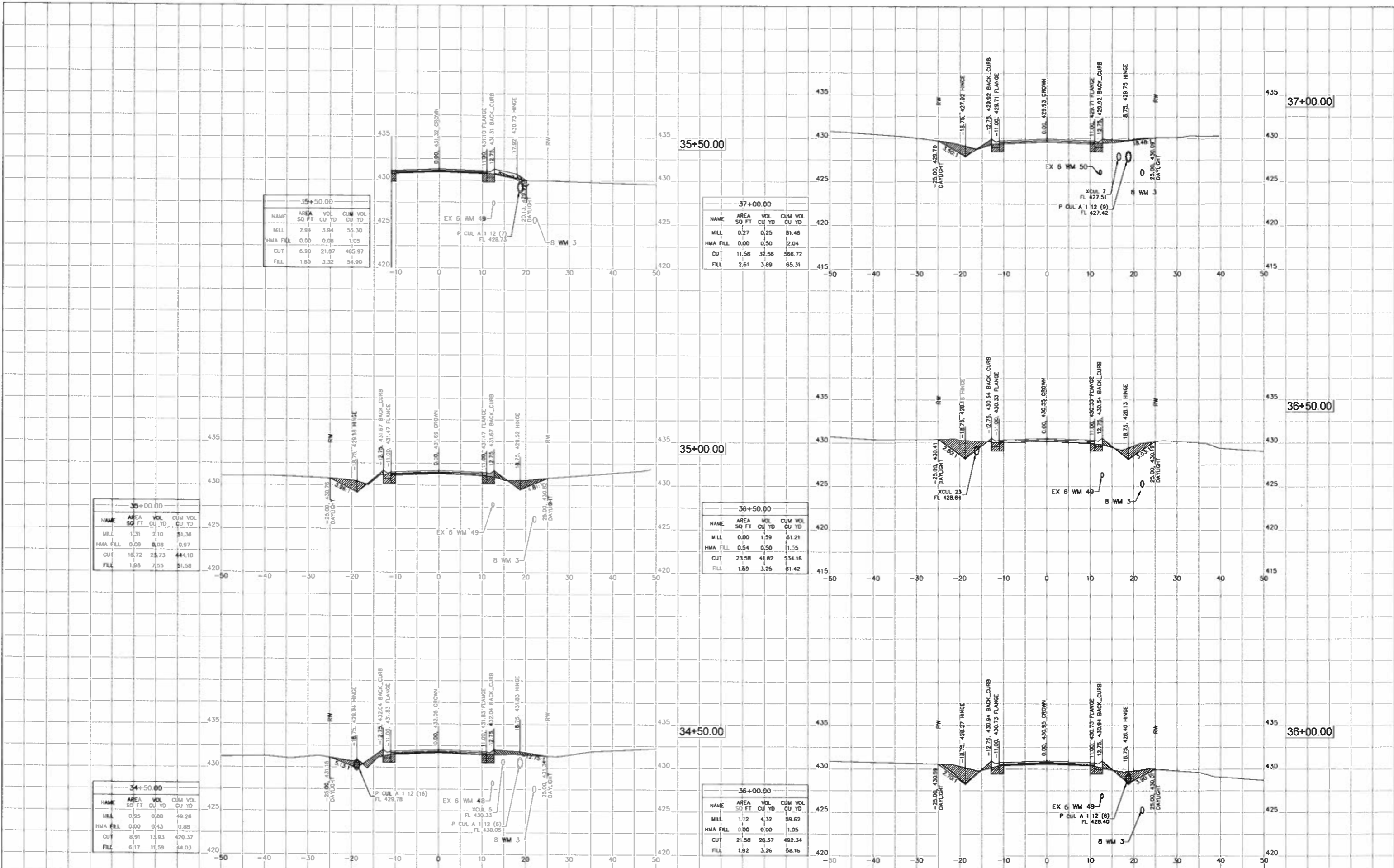
JOHN H. CRAWFORD & ASSOCIATES, P.C.
 CIVIL ENGINEERS, LAND SURVEYORS
 301 SOUTH DIVISION STREET, CARTERSVILLE, ILLINOIS 62914
 PHONE 618-355-4279 FAX 618-355-4892
 PROFESSIONAL DESIGN FIRM # 184-022886

USER NAME	DESIGNED	REVISIONS
—	— JHC	—
PLOT SCALE	DRAWN	REVISIONS
—	— JHC	—
PLOT DATE	CHECKED	REVISIONS
—	— RLM	—
	DATE	REVISIONS
	— 10/02/18	—

VILLAGE OF CRAINVILLE
 EAST GRAND ROAD IMPROVEMENT
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 EAST GRAND ROAD
 SCALE: SHEET 2 OF 10 SHEETS STA. 31+50.00 TO STA. 34+00.00

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17-00013-00-PV		WILLIAMSON	53	35
CONTRACT NO. 99610				
ILLINOIS FED. AID PROJECT				



35+50.00

NAME	AREA SQ FT	VOL CU YD	CUM VOL CU YD
MILL	2.94	3.94	53.30
HMA FILL	0.00	0.00	1.05
CUT	6.90	21.67	465.97
FILL	1.60	3.32	54.90

37+00.00

NAME	AREA SQ FT	VOL CU YD	CUM VOL CU YD
MILL	0.27	0.25	51.46
HMA FILL	0.00	0.50	2.04
CUT	11.58	32.56	566.72
FILL	2.61	3.89	65.31

35+00.00

NAME	AREA SQ FT	VOL CU YD	CUM VOL CU YD
MILL	1.31	2.10	51.36
HMA FILL	0.09	0.08	0.97
CUT	16.72	23.73	444.10
FILL	1.98	7.55	51.58

36+50.00

NAME	AREA SQ FT	VOL CU YD	CUM VOL CU YD
MILL	0.00	1.59	61.21
HMA FILL	0.54	0.50	1.55
CUT	23.98	41.82	534.16
FILL	1.59	3.25	61.42

34+50.00

NAME	AREA SQ FT	VOL CU YD	CUM VOL CU YD
MILL	0.95	0.88	49.26
HMA FILL	0.00	0.43	0.88
CUT	8.91	13.93	420.37
FILL	6.17	11.59	44.03

36+00.00

NAME	AREA SQ FT	VOL CU YD	CUM VOL CU YD
MILL	1.72	4.32	59.62
HMA FILL	0.00	0.00	1.05
CUT	2.58	26.37	492.34
FILL	1.92	3.26	58.16

JOHN H. CRAWFORD & ASSOCIATES, P.C.
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 381 SOUTH DIVISION STREET, CARTERSVILLE, ILLINOIS 62911
 PHONE (618) 548-4270 FAX (618) 548-4882
 PROFESSIONAL DESIGN PERM # 124-002883

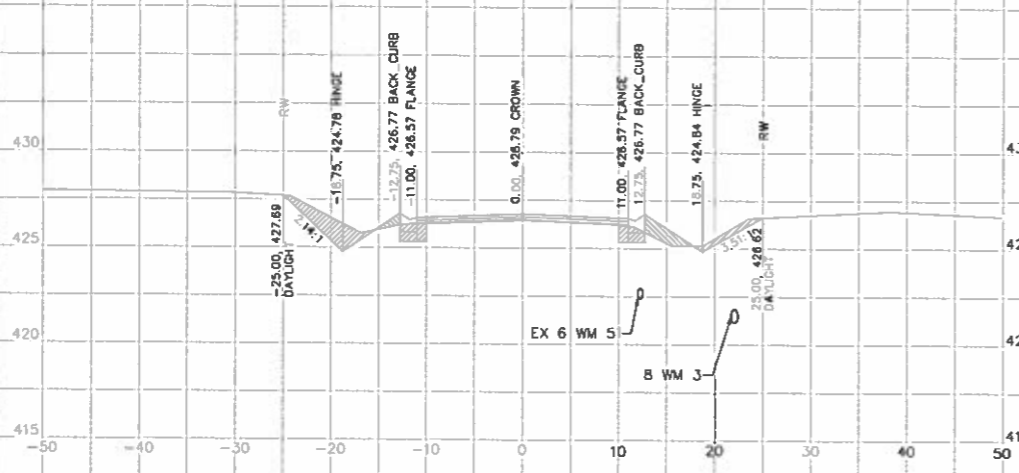
USER NAME =
 DESIGNED -- JHC
 DRAWN -- JHC
 CHECKED -- RLM
 DATE -- 10/02/18
 REVISED --
 REVISED --
 REVISED --
 REVISED --

**VILLAGE OF CRAINVILLE
 EAST GRAND ROAD IMPROVEMENT
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

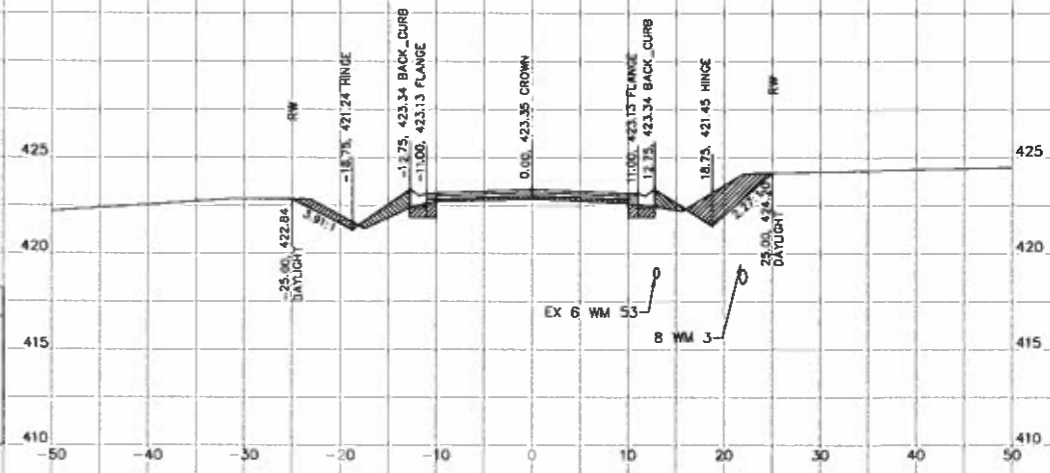
**CROSS SECTIONS
 EAST GRAND ROAD**
 SCALE: SHEET 3 OF 10 SHEETS STA. 34+50.00 TO STA. 37+00.00

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00013-00-PV	WILLIAMSON	53	36
CONTRACT NO. 99610				
ILLINOIS FED. AID PROJECT				

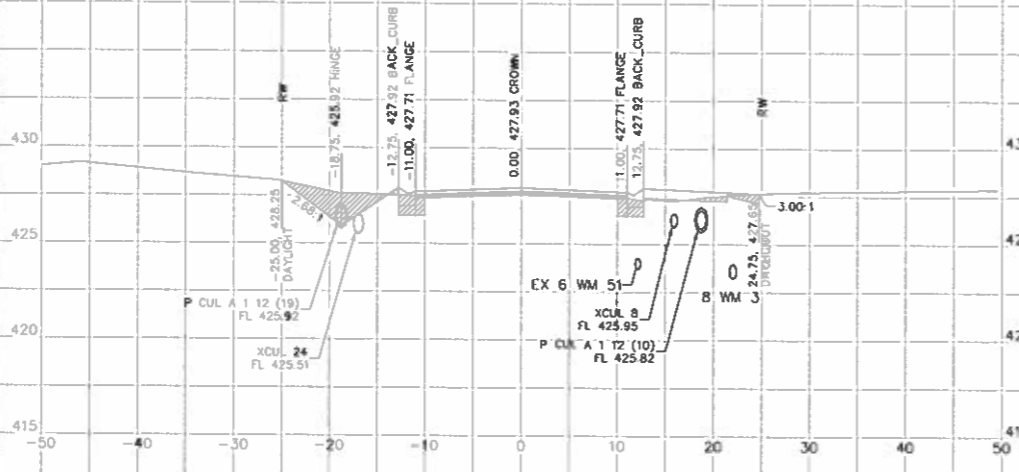
38+50.00				
NAME	AREA SQ FT	VOL CU YD	CUM VOL CU YD	
MILL	0.55	2.35	88.06	
HMA FILL	0.09	0.09	2.13	
CUT	14.34	30.40	646.89	
FILL	4.04	4.25	81.62	



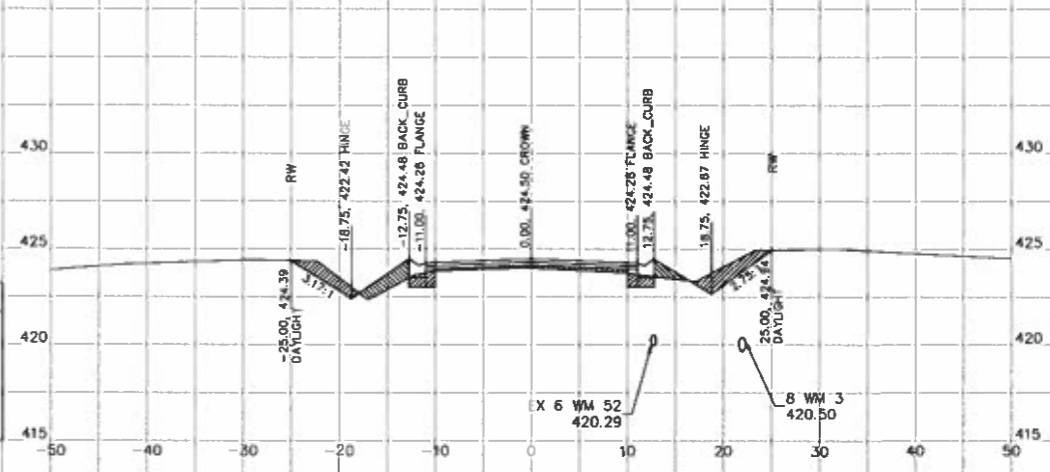
40+00.00				
NAME	AREA SQ FT	VOL CU YD	CUM VOL CU YD	
MILL	0.00	0.00	68.57	
HMA FILL	3.23	5.69	72.32	
CUT	15.36	26.15	719.78	
FILL	8.02	15.08	116.95	



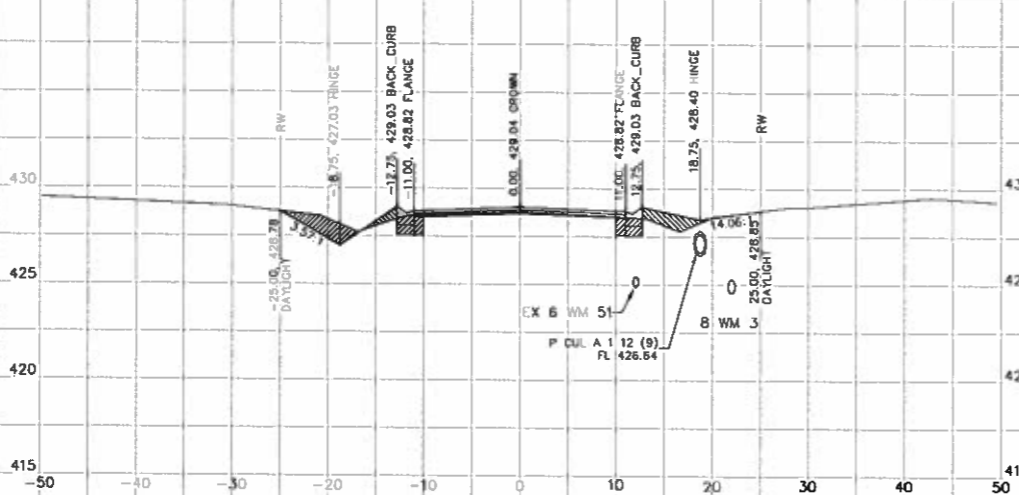
38+00.00				
NAME	AREA SQ FT	VOL CU YD	CUM VOL CU YD	
MILL	1.88	2.92	65.71	
HMA FILL	0.00	0.00	2.04	
CUT	18.49	28.09	618.50	
FILL	0.56	5.08	77.37	



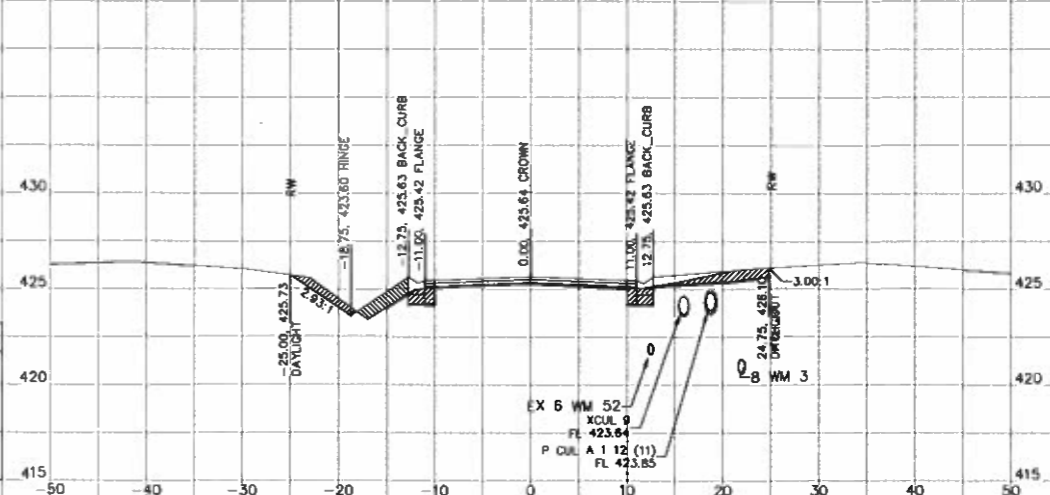
39+50.00				
NAME	AREA SQ FT	VOL CU YD	CUM VOL CU YD	
MILL	0.00	0.00	88.57	
HMA FILL	2.91	3.55	5.63	
CUT	17.88	22.70	693.63	
FILL	8.27	12.08	101.87	



37+50.00				
NAME	AREA SQ FT	VOL CU YD	CUM VOL CU YD	
MILL	1.17	1.33	2.79	
HMA FILL	0.00	0.00	2.04	
CUT	11.84	21.69	588.41	
FILL	4.93	6.98	72.29	



39+00.00				
NAME	AREA SQ FT	VOL CU YD	CUM VOL CU YD	
MILL	0.00	0.51	88.57	
HMA FILL	0.93	0.94	3.07	
CUT	11.63	24.04	670.94	
FILL	4.78	8.17	89.79	



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USER NAME =
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DATE = 10/02/18

REVISIONS:
REVISOR: -
DATE: -
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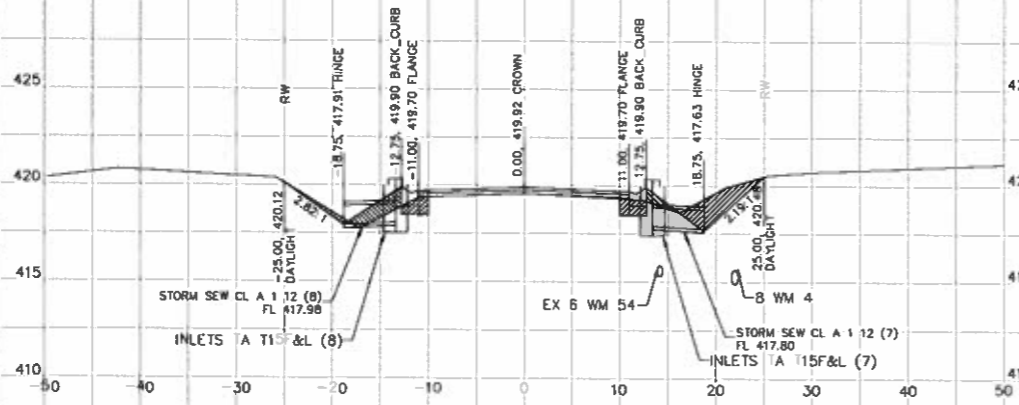
VILLAGE OF CRAINVILLE
EAST GRAND ROAD IMPROVEMENT
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
EAST GRAND ROAD

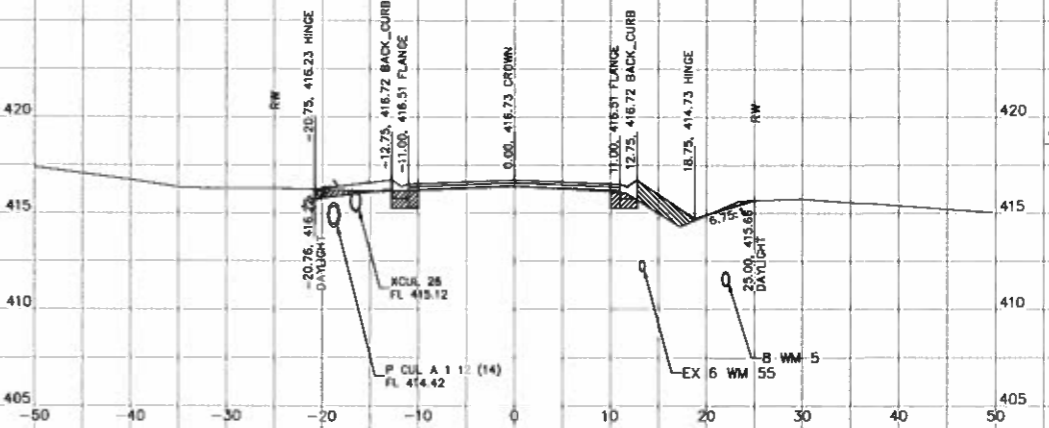
SCALE: SHEET 4 OF 10 SHEETS STA. 37+50.00 TO STA. 40+00.00

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17-00013-00-PV	WILLIAMSON	53	37	
CONTRACT NO. 99610				
ILLINOIS FED. AID PROJECT				

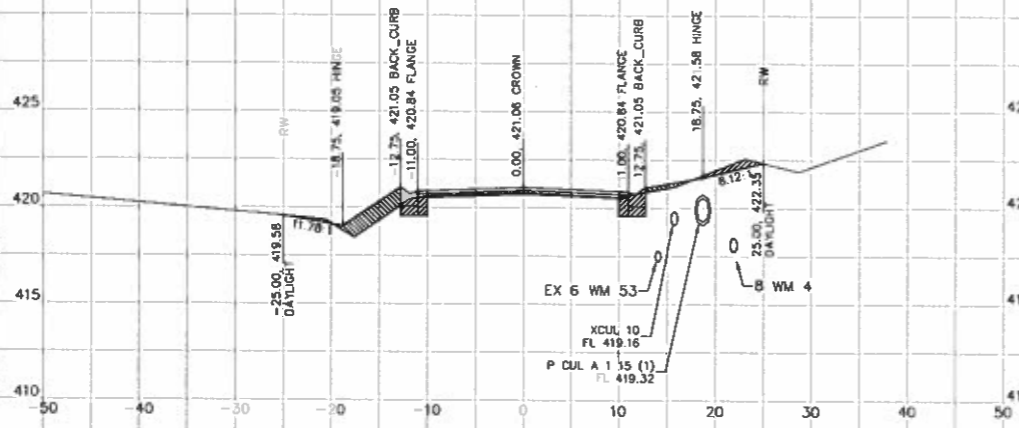
41+50.00				
NAME	AREA SQ FT	VOL CU YD	CUM VOL CU YD	
MILL	0.06	0.88	70.28	
HMA FILL	0.35	0.33	17.63	
CUT	1.34	20.38	775.03	
FILL	5.77	1.23	154.71	



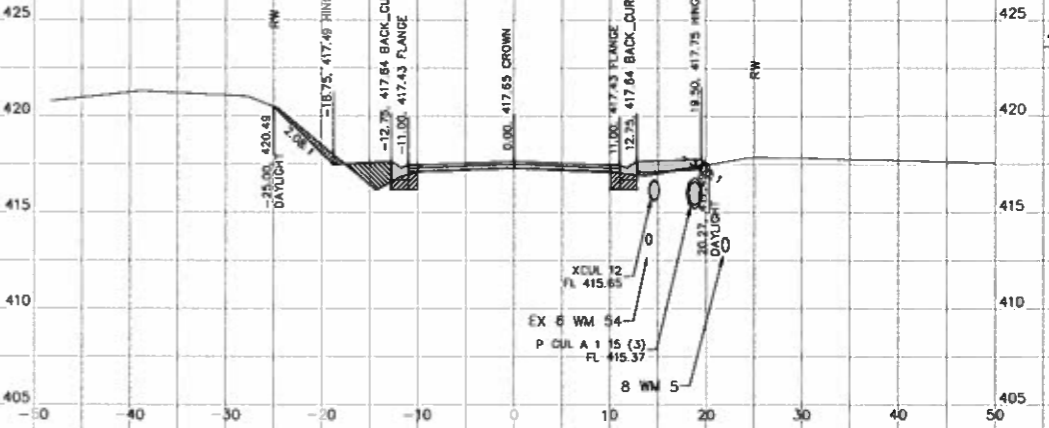
43+00.00				
NAME	AREA SQ FT	VOL CU YD	CUM VOL CU YD	
MILL	0.00	0.00	70.33	
HMA FILL	0.56	1.19	21.71	
CUT	6.57	12.29	823.42	
FILL	0.71	10.25	190.88	



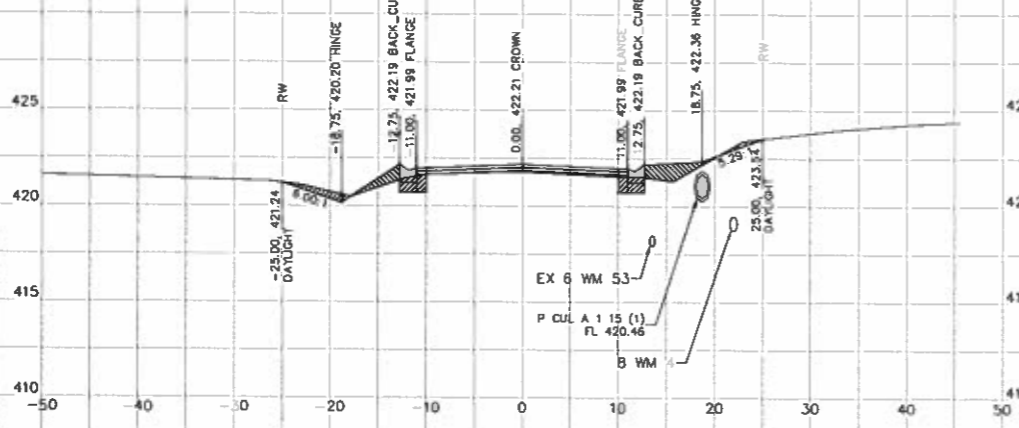
41+00.00				
NAME	AREA SQ FT	VOL CU YD	CUM VOL CU YD	
MILL	0.89	0.83	9.40	
HMA FILL	0.00	1.00	17.30	
CUT	8.87	14.34	54.05	
FILL	6.15	12.50	143.48	



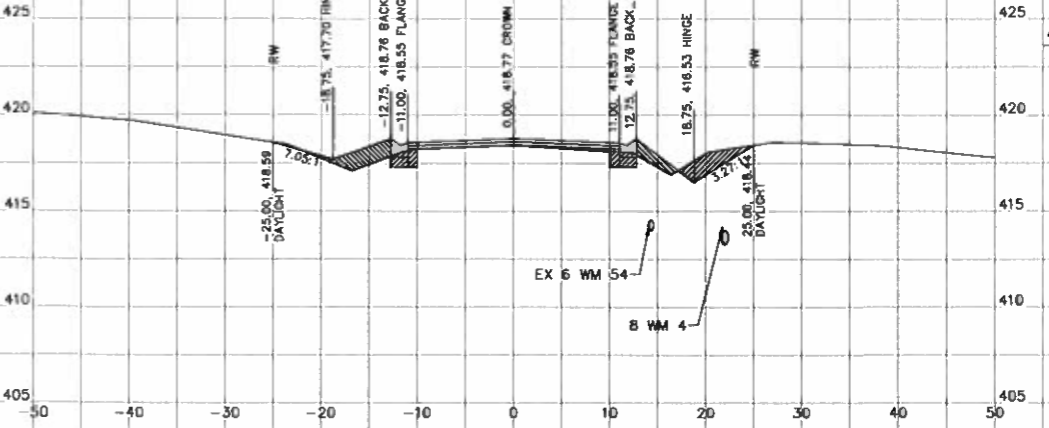
42+50.00				
NAME	AREA SQ FT	VOL CU YD	CUM VOL CU YD	
MILL	0.00	0.00	70.33	
HMA FILL	0.72	1.62	20.52	
CUT	6.70	14.97	811.13	
FILL	5.36	12.84	180.73	



40+50.00				
NAME	AREA SQ FT	VOL CU YD	CUM VOL CU YD	
MILL	0.00	0.00	88.57	
HMA FILL	1.08	3.99	16.31	
CUT	6.81	26.53	740.31	
FILL	7.14	14.03	130.99	



42+00.00				
NAME	AREA SQ FT	VOL CU YD	CUM VOL CU YD	
MILL	0.00	0.05	70.33	
HMA FILL	1.03	1.27	18.90	
CUT	9.49	21.14	798.18	
FILL	8.47	13.18	187.89	



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DATE -- 10/02/18

REVISED --
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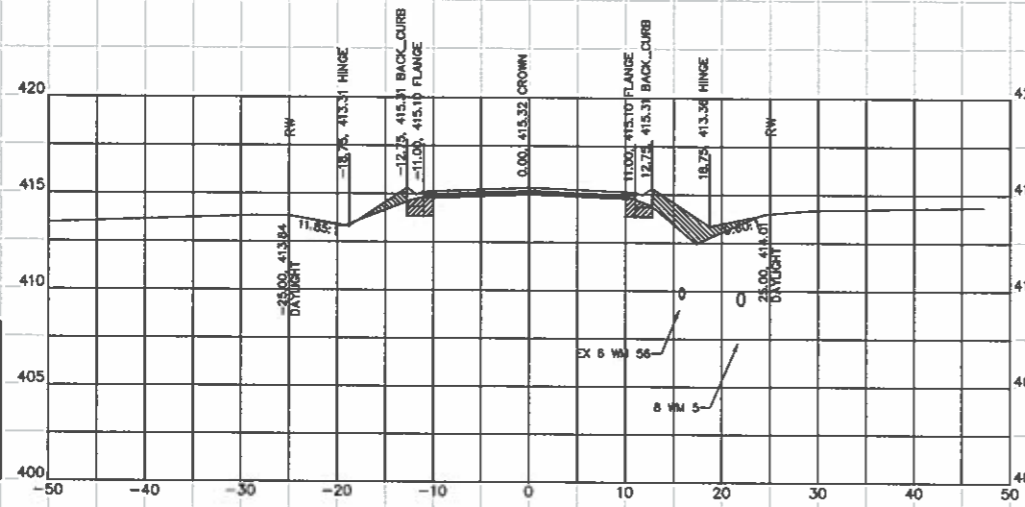
VILLAGE OF CRAINVILLE
EAST GRAND ROAD IMPROVEMENT
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: SHEET 5 OF 10 SHEETS STA. 40+50.00 TO STA. 43+00.00

CROSS SECTIONS
EAST GRAND ROAD

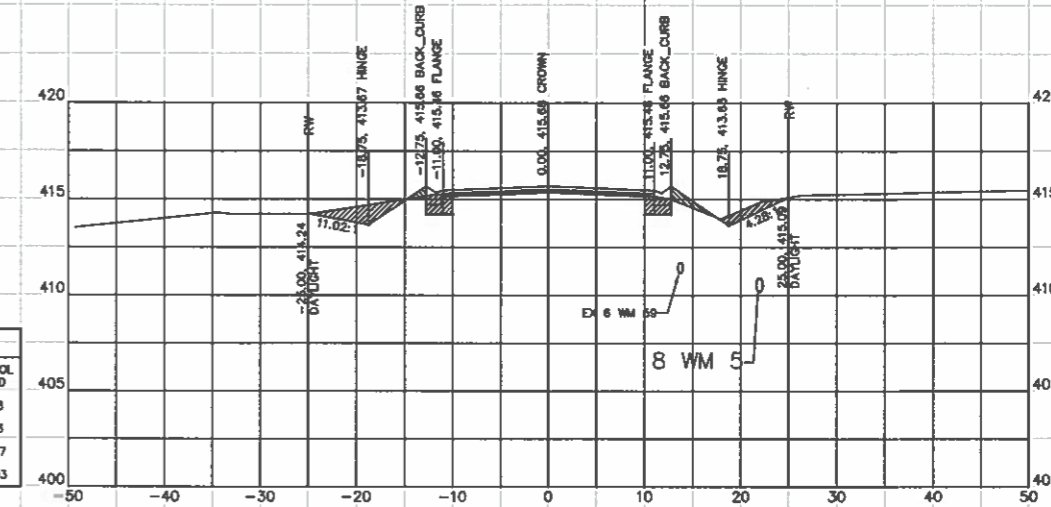
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17-00013-00-PV		WILLIAMSON	53	38
CONTRACT NO. 99610				
ILLINOIS FED. AID PROJECT				

44+50.00				
NAME	AREA SQ FT	VOL CU YD	CUM VOL CU YD	
MILL	3.33	5.22	80.88	
HMA FILL	0.00	0.00	22.23	
CUT	8.50	18.55	874.30	
FILL	10.15	15.05	232.84	



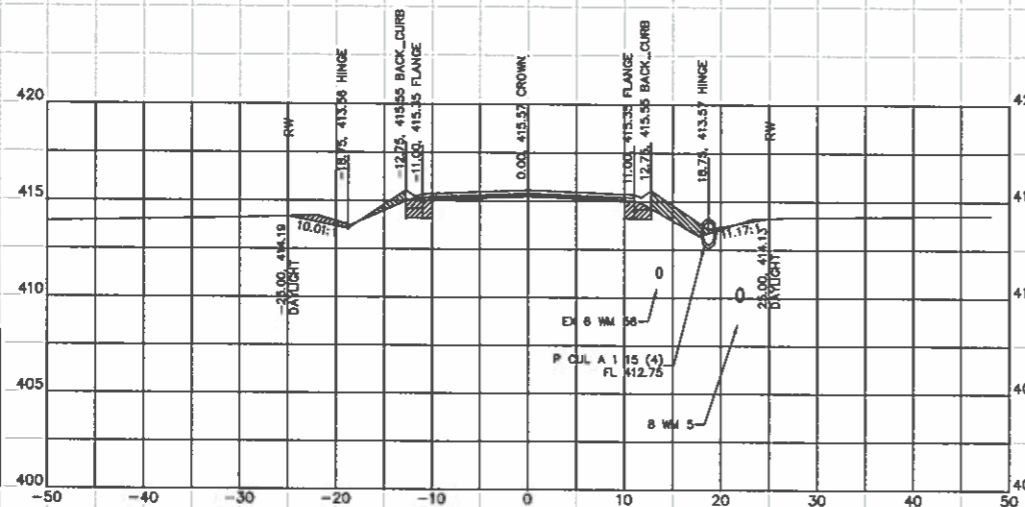
44+50.00

46+00.00				
NAME	AREA SQ FT	VOL CU YD	CUM VOL CU YD	
MILL	2.36	3.11	92.98	
HMA FILL	0.00	0.10	22.43	
CUT	15.57	25.06	933.17	
FILL	2.08	14.51	274.03	



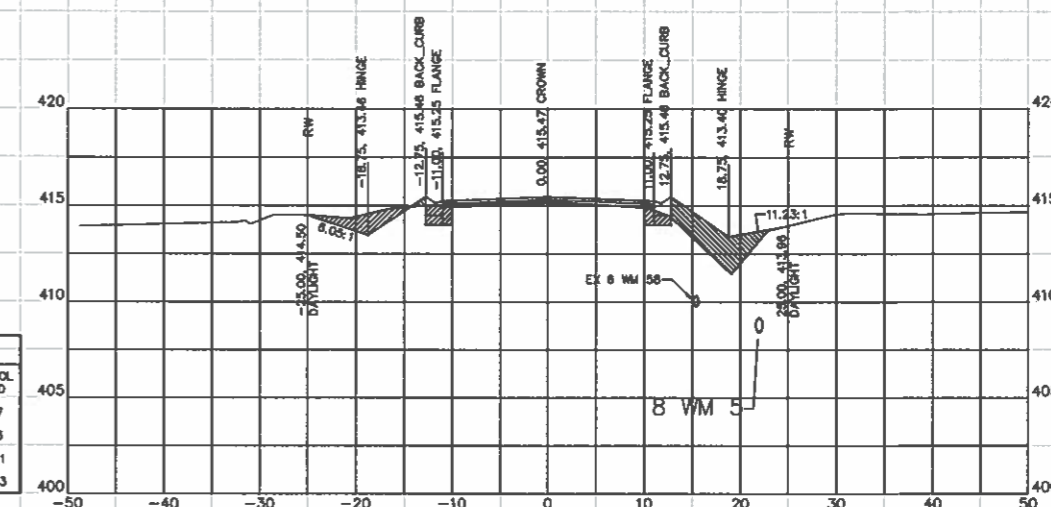
46+00.00

44+00.00				
NAME	AREA SQ FT	VOL CU YD	CUM VOL CU YD	
MILL	2.30	3.73	75.66	
HMA FILL	0.00	0.00	22.23	
CUT	9.37	16.48	857.75	
FILL	6.10	13.59	217.79	



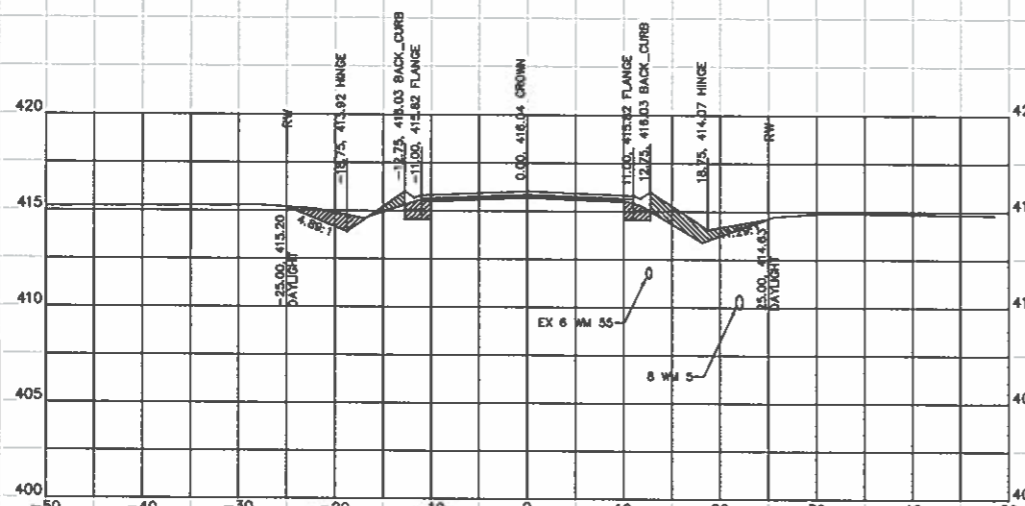
44+00.00

45+50.00				
NAME	AREA SQ FT	VOL CU YD	CUM VOL CU YD	
MILL	1.00	3.42	89.87	
HMA FILL	0.10	0.10	22.33	
CUT	11.50	18.29	908.11	
FILL	13.58	14.93	259.53	



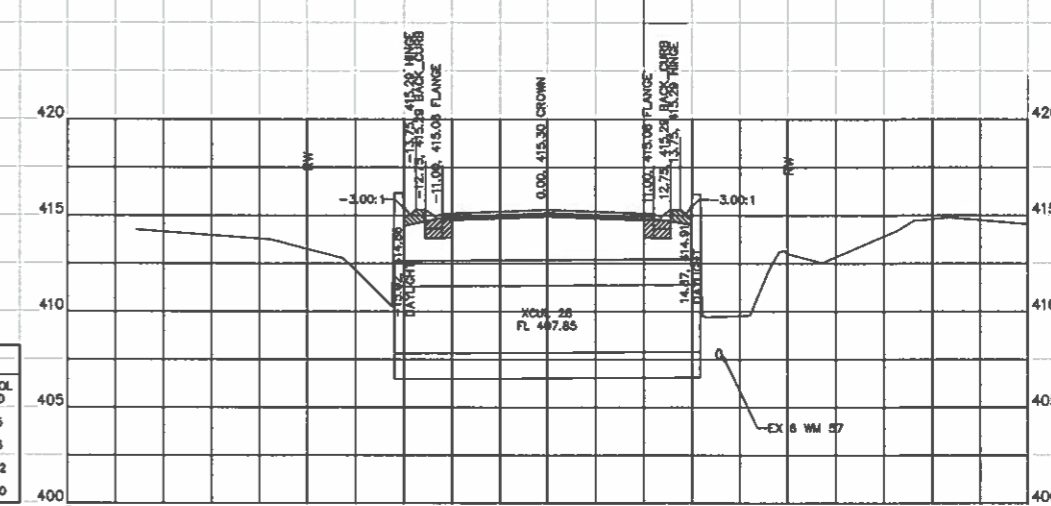
45+50.00

43+50.00				
NAME	AREA SQ FT	VOL CU YD	CUM VOL CU YD	
MILL	1.72	1.60	71.93	
HMA FILL	0.00	0.52	22.23	
CUT	10.57	11.87	839.29	
FILL	8.58	13.23	204.20	



43+50.00

45+00.00				
NAME	AREA SQ FT	VOL CU YD	CUM VOL CU YD	
MILL	2.89	5.58	86.45	
HMA FILL	0.00	0.00	22.23	
CUT	8.26	15.52	889.82	
FILL	2.54	11.75	244.60	



45+00.00

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DRAWN: JHC
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DATE: 10/02/18
PLOT SCALE: --
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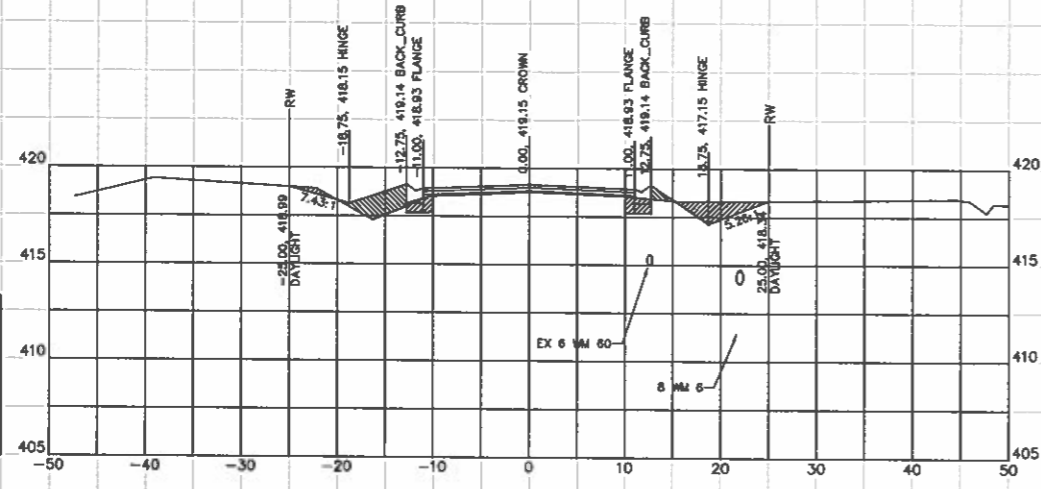
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VILLAGE OF CRAINVILLE
EAST GRAND ROAD IMPROVEMENT
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
EAST GRAND ROAD
SCALE: SHEET 6 OF 10 SHEETS STA. 43+50.00 TO STA. 46+00.00

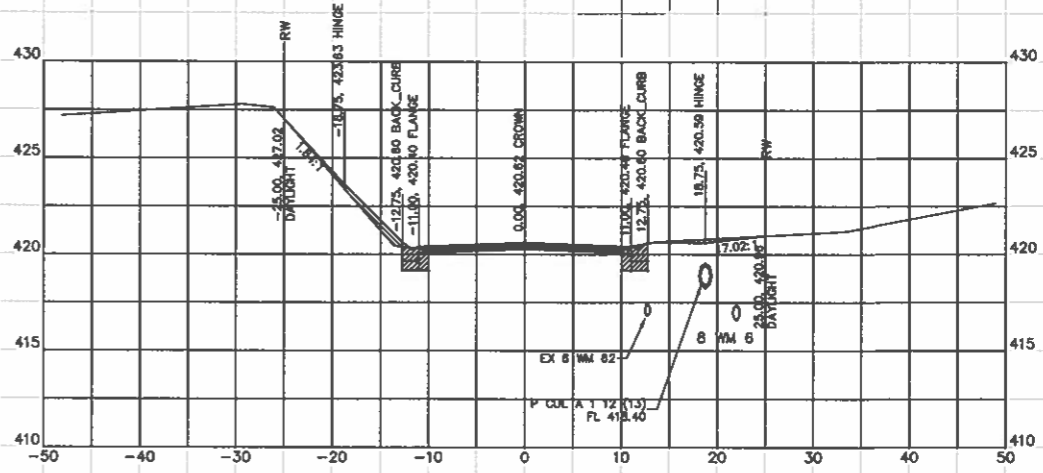
RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00013-00-PV	WILLIAMSON	53	39
CONTRACT NO. 99610				
ILLINOIS FED. AID PROJECT				

47+50.00				
NAME	AREA SQ FT	VOL CU YD	CUM VOL CU YD	VOL CU YD
MILL	0.00	0.00	97.33	
HMA FILL	1.31	2.57	28.47	
CUT	10.55	22.05	1005.88	
FILL	8.10	11.15	297.87	



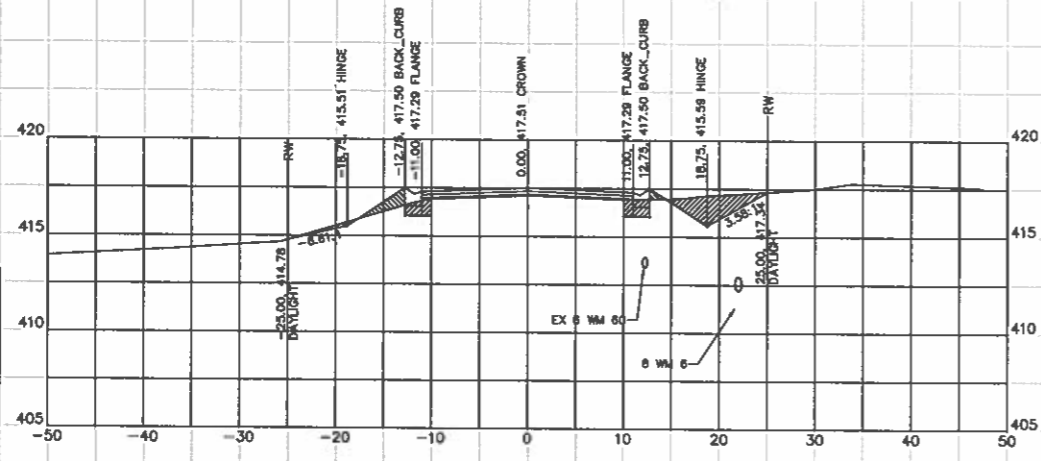
47+50.00

49+00.00				
NAME	AREA SQ FT	VOL CU YD	CUM VOL CU YD	VOL CU YD
MILL	4.33	4.89	103.38	
HMA FILL	0.00	0.00	27.88	
CUT	12.51	23.88	1078.74	
FILL	3.38	6.34	322.15	



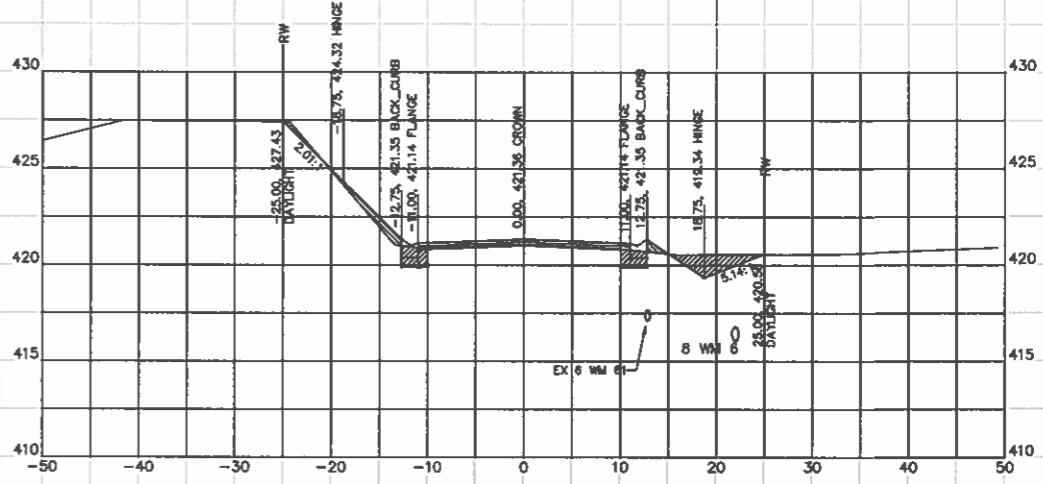
49+00.00

47+00.00				
NAME	AREA SQ FT	VOL CU YD	CUM VOL CU YD	VOL CU YD
MILL	0.00	1.08	97.33	
HMA FILL	1.48	1.41	23.91	
CUT	13.27	24.16	983.62	
FILL	3.93	7.28	288.83	



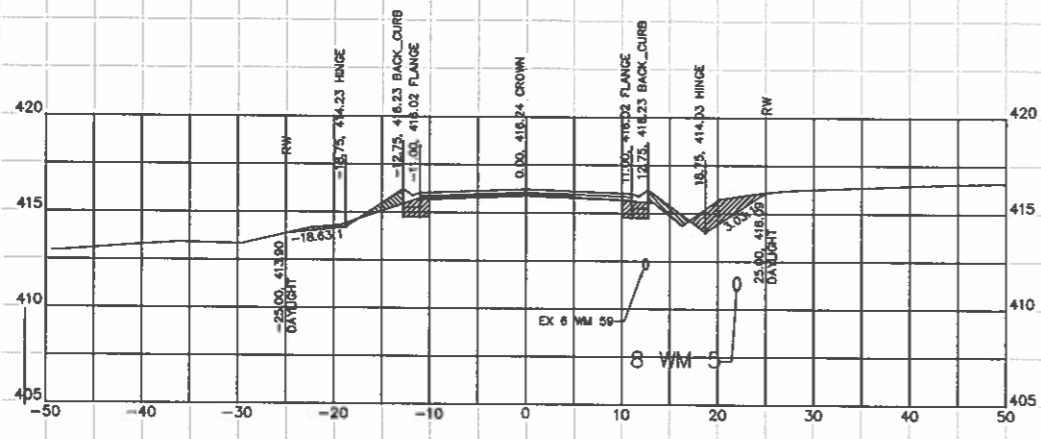
47+00.00

48+50.00				
NAME	AREA SQ FT	VOL CU YD	CUM VOL CU YD	VOL CU YD
MILL	0.98	1.01	98.47	
HMA FILL	0.00	0.09	27.88	
CUT	13.05	24.88	1053.08	
FILL	3.49	6.78	315.81	



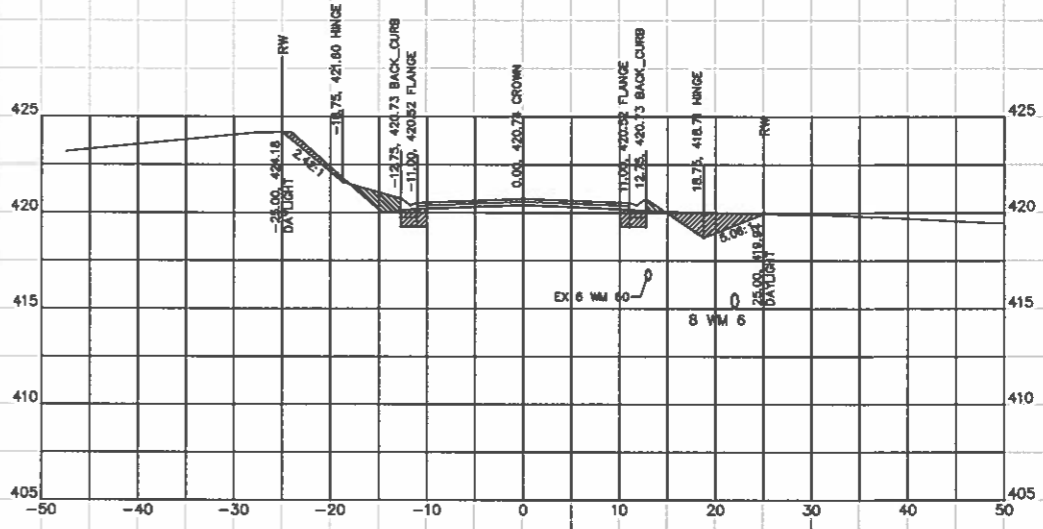
48+50.00

46+50.00				
NAME	AREA SQ FT	VOL CU YD	CUM VOL CU YD	VOL CU YD
MILL	1.18	3.27	96.25	
HMA FILL	0.07	0.06	22.49	
CUT	12.83	26.29	659.46	
FILL	3.90	5.54	279.57	



46+50.00

48+00.00				
NAME	AREA SQ FT	VOL CU YD	CUM VOL CU YD	VOL CU YD
MILL	0.14	0.13	97.46	
HMA FILL	0.10	1.31	27.78	
CUT	13.80	22.54	1028.22	
FILL	3.83	11.05	309.03	



48+00.00

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USER NAME =
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DESIGNED - JHC
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 CHECKED - RLM
 DATE - 10/02/18

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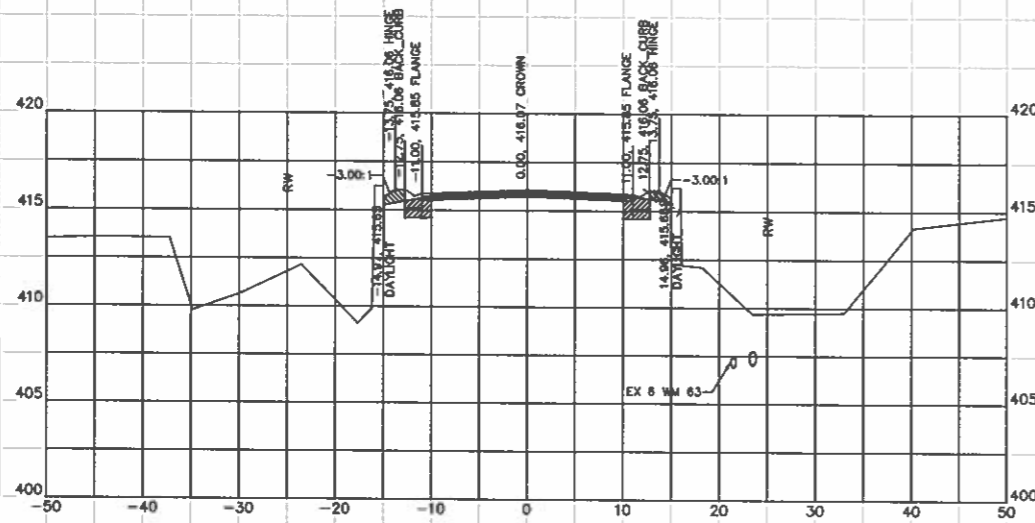
VILLAGE OF CRAINVILLE
 EAST GRAND ROAD IMPROVEMENT
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 EAST GRAND ROAD

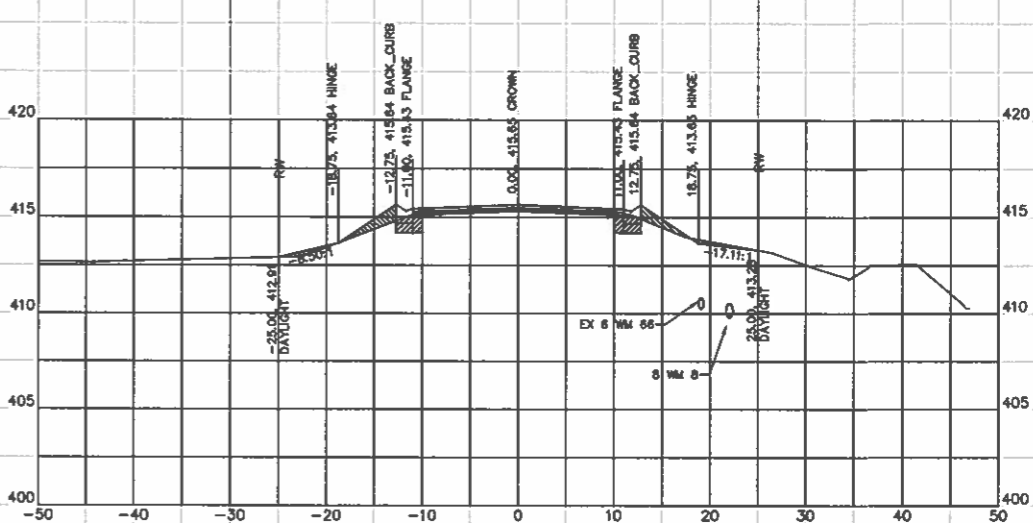
SCALE: SHEET 7 OF 10 SHEETS STA. 46+50.00 TO STA. 49+00.00

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	00013-00-PV	WILLIAMSON	53	40
			CONTRACT NO. 99610	
ILLINOIS FED. AID PROJECT				

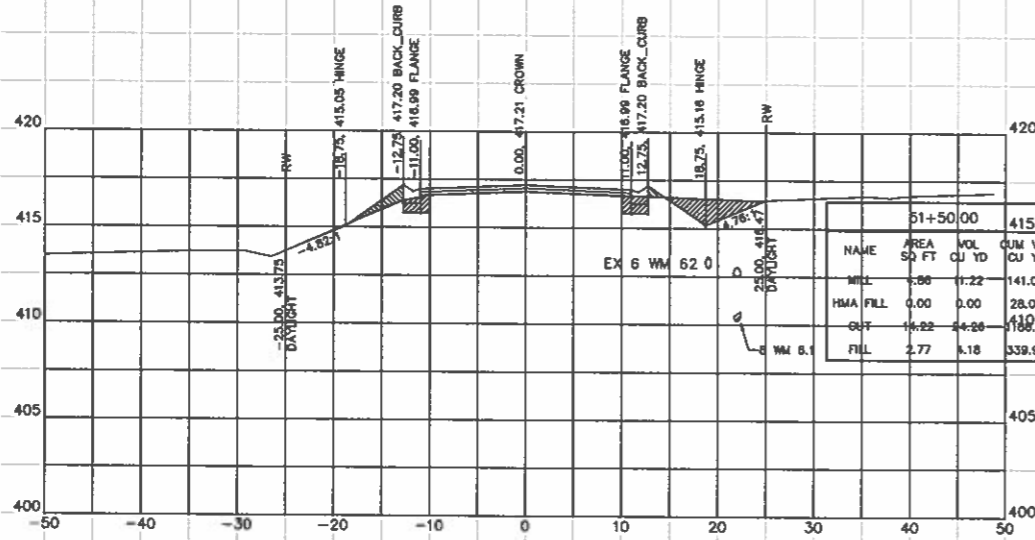
50+50.00				
NAME	AREA SQ FT	VOL CU YD	CUM VOL CU YD	VOL CU YD
MILL	4.42	4.16	119.01	
HMA FILL	0.00	0.06	28.00	
CUT	10.31	20.92	1141.30	
FILL	1.99	4.36	332.31	



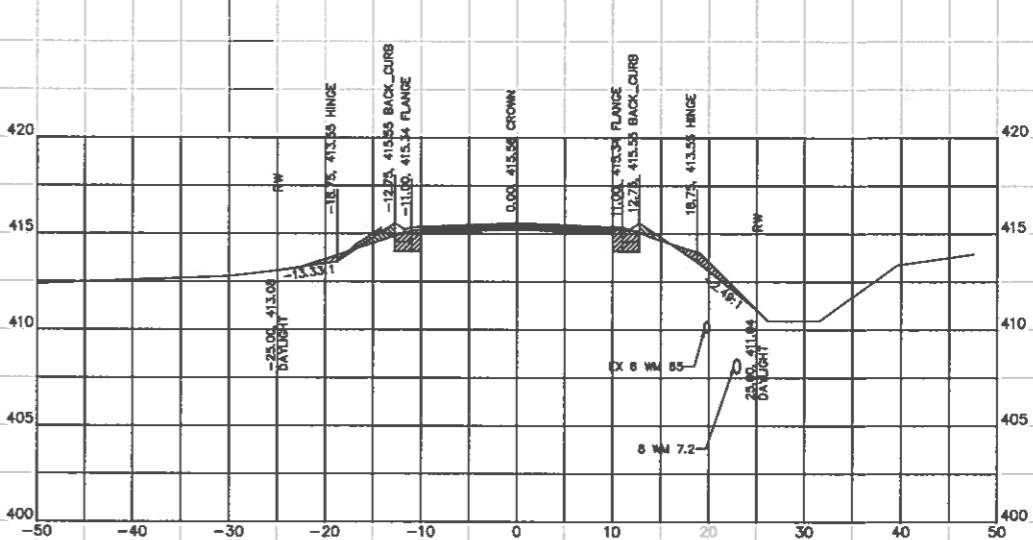
52+00.00				
NAME	AREA SQ FT	VOL CU YD	CUM VOL CU YD	VOL CU YD
MILL	3.59	7.82	148.87	
HMA FILL	0.00	0.00	28.00	
CUT	9.51	21.97	1208.18	
FILL	5.30	7.47	347.41	



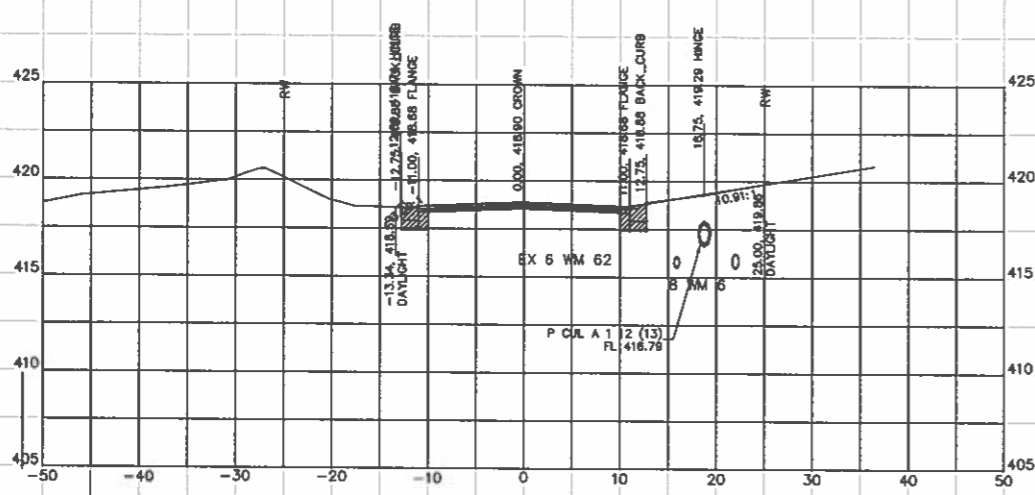
50+00.00				
NAME	AREA SQ FT	VOL CU YD	CUM VOL CU YD	VOL CU YD
MILL	0.07	3.77	114.85	
HMA FILL	0.07	0.06	27.94	
CUT	12.28	21.71	1120.38	
FILL	2.71	2.80	327.95	



51+50.00				
NAME	AREA SQ FT	VOL CU YD	CUM VOL CU YD	VOL CU YD
MILL	0.88	1.22	141.04	
HMA FILL	0.00	0.00	28.00	
CUT	16.22	44.28	1340.21	
FILL	2.77	4.18	339.95	



49+50.00				
NAME	AREA SQ FT	VOL CU YD	CUM VOL CU YD	VOL CU YD
MILL	4.01	7.72	111.08	
HMA FILL	0.00	0.00	27.88	
CUT	11.17	21.93	1098.67	
FILL	0.10	3.20	325.35	



51+00.00				
NAME	AREA SQ FT	VOL CU YD	CUM VOL CU YD	VOL CU YD
MILL	7.25	10.81	129.82	
HMA FILL	0.00	0.00	28.00	
CUT	11.99	20.85	1161.95	
FILL	1.74	3.46	335.77	



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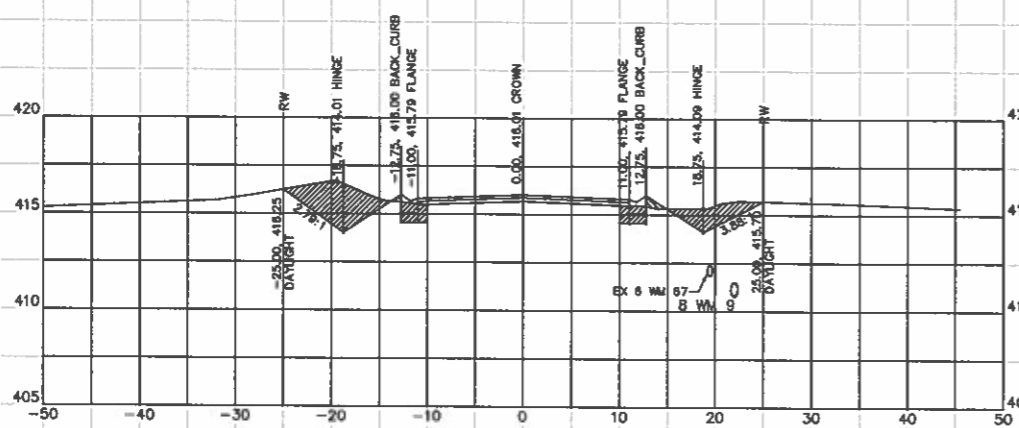
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VILLAGE OF CRAINVILLE
 EAST GRAND ROAD IMPROVEMENT
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

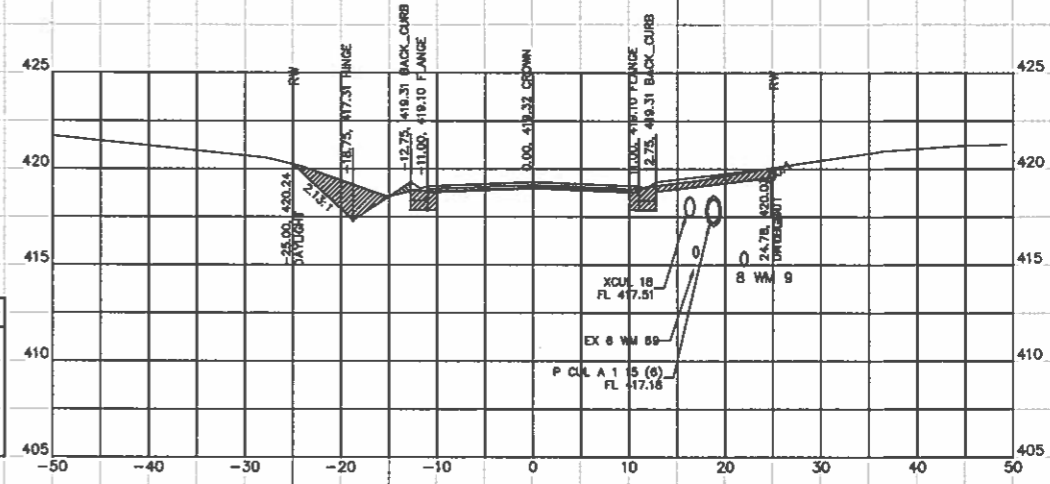
CROSS SECTIONS
 EAST GRAND ROAD
 SCALE: SHEET 8 OF 10 SHEETS STA. 49+50.00 TO STA. 52+00.00

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00013-00-PV	WILLIAMSON	53	41
CONTRACT NO. 99610				
ILLINOIS FED. AID PROJECT				

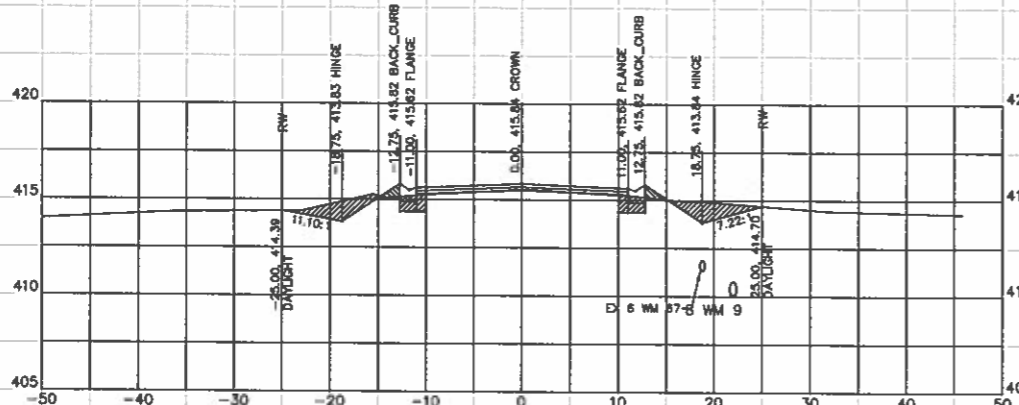
53+50.00				
NAME	AREA SQ FT	VOL CU YD	CUM VOL CU YD	VOL CU YD
MILL	0.00	0.10	154.01	
HMA FILL	0.28	0.57	28.93	
CUT	28.90	39.18	1292.30	
FILL	0.93	2.53	380.83	



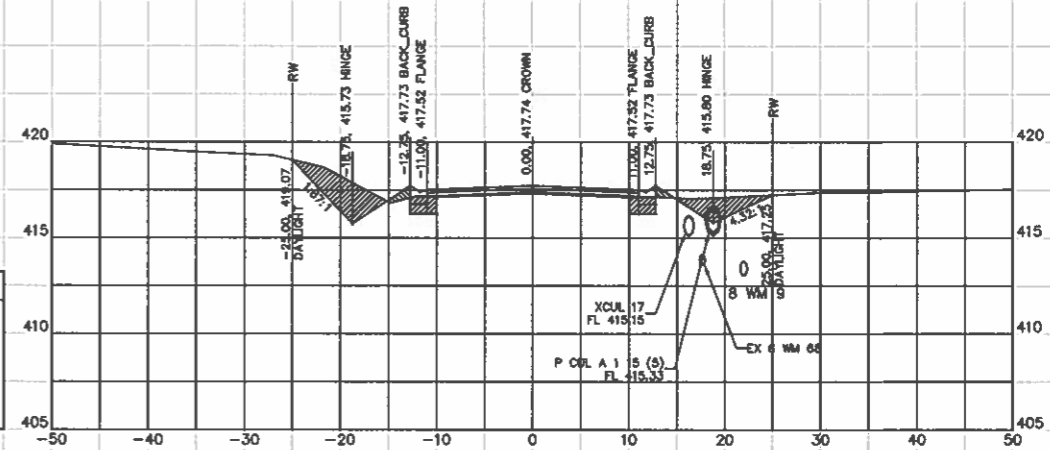
55+00.00				
NAME	AREA SQ FT	VOL CU YD	CUM VOL CU YD	VOL CU YD
MILL	1.48	1.37	165.39	
HMA FILL	0.00	1.58	37.31	
CUT	21.67	41.16	1428.83	
FILL	0.52	3.18	374.55	



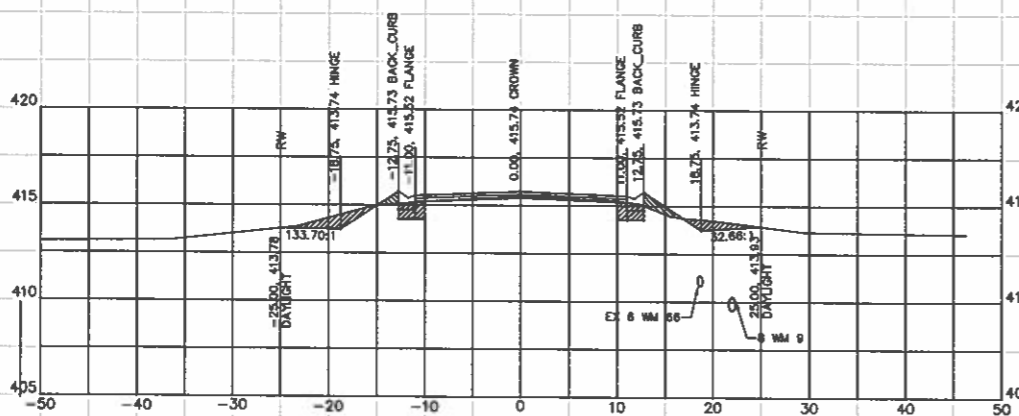
53+00.00				
NAME	AREA SQ FT	VOL CU YD	CUM VOL CU YD	VOL CU YD
MILL	0.11	0.91	153.91	
HMA FILL	0.35	0.34	28.36	
CUT	15.42	23.20	1253.12	
FILL	1.80	3.88	358.40	



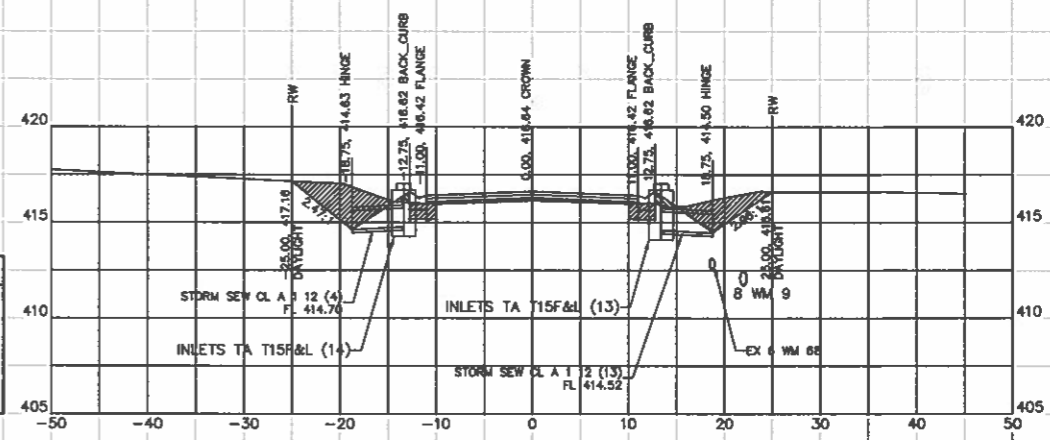
54+50.00				
NAME	AREA SQ FT	VOL CU YD	CUM VOL CU YD	VOL CU YD
MILL	0.00	0.00	154.01	
HMA FILL	1.88	4.07	35.75	
CUT	22.78	44.77	1385.68	
FILL	2.91	6.14	371.37	



52+50.00				
NAME	AREA SQ FT	VOL CU YD	CUM VOL CU YD	VOL CU YD
MILL	0.87	4.13	152.99	
HMA FILL	0.02	0.02	28.02	
CUT	11.80	19.73	1227.82	
FILL	2.38	7.11	354.52	



54+00.00				
NAME	AREA SQ FT	VOL CU YD	CUM VOL CU YD	VOL CU YD
MILL	0.00	0.00	154.01	
HMA FILL	2.71	2.78	31.89	
CUT	25.58	48.59	1340.89	
FILL	3.72	4.30	385.24	



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201 SOUTH DIVISION STREET, CARTERSVILLE, ALABAMA 35954
PHONE (818) 385-8370 FAX (818) 385-8882
PROFESSIONAL DESIGN PERM # 184-00266

USER NAME =	DESIGNED - JHC	REVISED -
PLOT SCALE =	DRAWN - JHC	REVISED -
PLOT DATE =	CHECKED - RLM	REVISED -
	DATE - 10/02/18	REVISED -

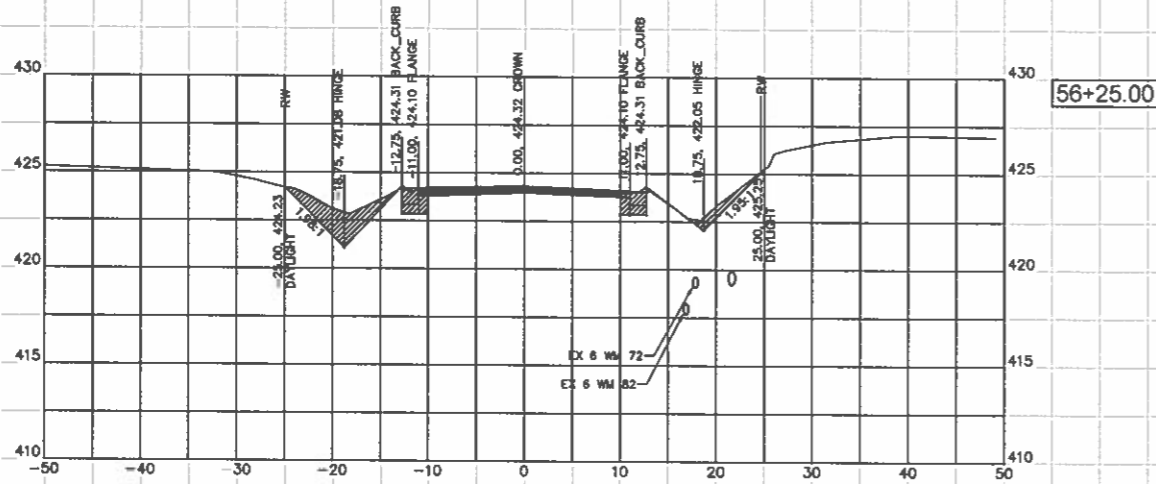
VILLAGE OF CRAINVILLE
EAST GRAND ROAD IMPROVEMENT
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
EAST GRAND ROAD

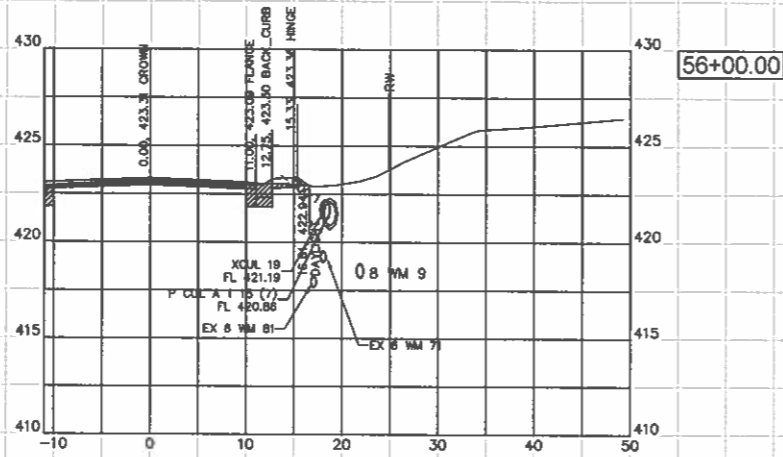
SCALE: SHEET 9 OF 10 SHEETS STA. 52+50.00 TO STA 55+00.00

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17-00013-00-PV		WILLIAMSON	53	42
CONTRACT NO. 99610			ILLINOIS FED. AID PROJECT	

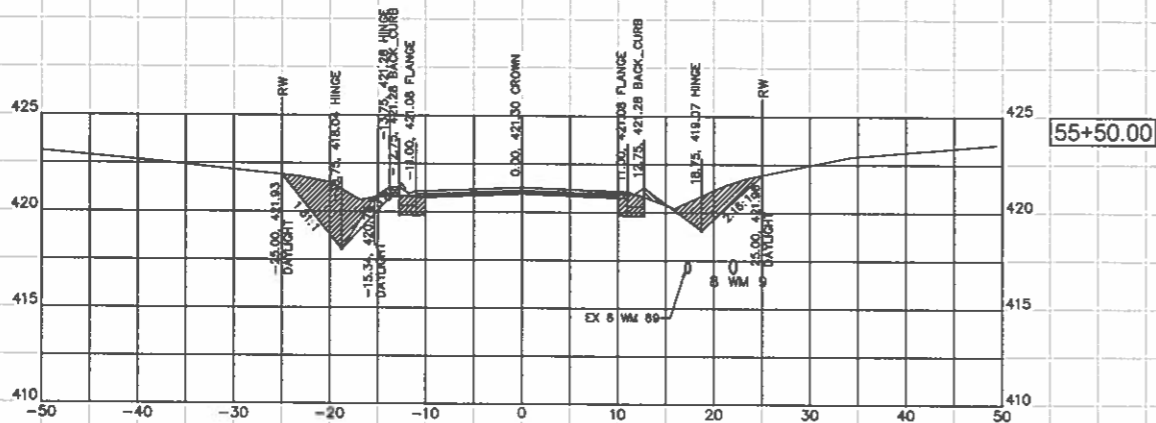
56+25.00				
NAME	AREA SQ FT	VOL CU YD	CUM VOL CU YD	VOL CU YD
MILL	7.10	5.48	171.37	
HMA FILL	0.00	0.00	37.31	
CUT	27.22	17.11	1533.83	
FILL	0.24	0.22	378.12	



56+00.00				
NAME	AREA SQ FT	VOL CU YD	CUM VOL CU YD	VOL CU YD
MILL	4.73	6.76	185.88	
HMA FILL	0.00	0.00	37.31	
CUT	9.73	39.42	1516.72	
FILL	0.24	1.55	377.90	



55+50.00				
NAME	AREA SQ FT	VOL CU YD	CUM VOL CU YD	VOL CU YD
MILL	2.56	3.75	159.13	
HMA FILL	0.00	0.00	37.31	
CUT	32.84	50.48	1477.30	
FILL	1.43	1.80	378.35	



EARTHWORK TOTALS	CUT - CY	FILL - CY
EAST GRAND ROAD EARTH	1533.83	378.12
EAST GRAND ROAD MILLING	-171.37	-31.37
HAVER ROAD	22.82	2.13
BROOKE LANE	48.69	2.66
VICTOR LANE	46.04	1.12
HURICANE ROAD	37.19	6.59
TOTAL	1517.2	359.25

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 301 SOUTH DIVISION STREET, CANTONVILLE, ILLINOIS 62914
 PHONE 618-666-6279 FAX 618-666-6282
 PROFESSIONAL DESIGN PERM # 184-022886

USER NAME =
 PLOT SCALE =
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DESIGNED - JHC
 DRAWN - JHC
 CHECKED - RLM
 DATE - 10/02/18

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 REVISED -

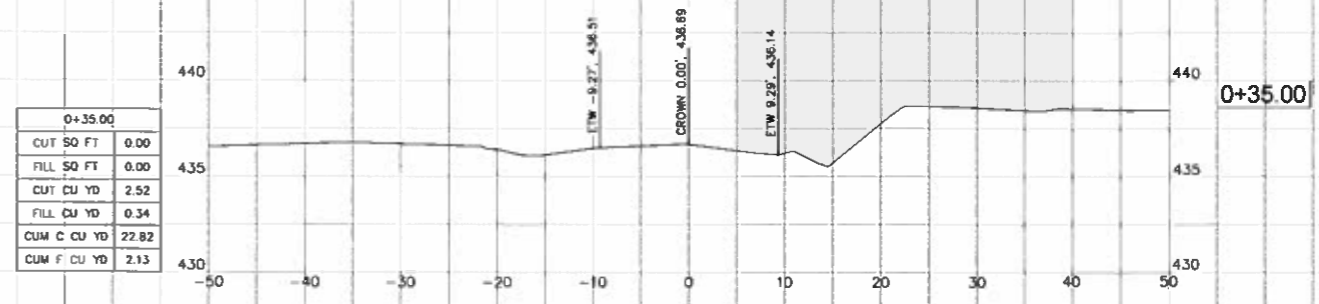
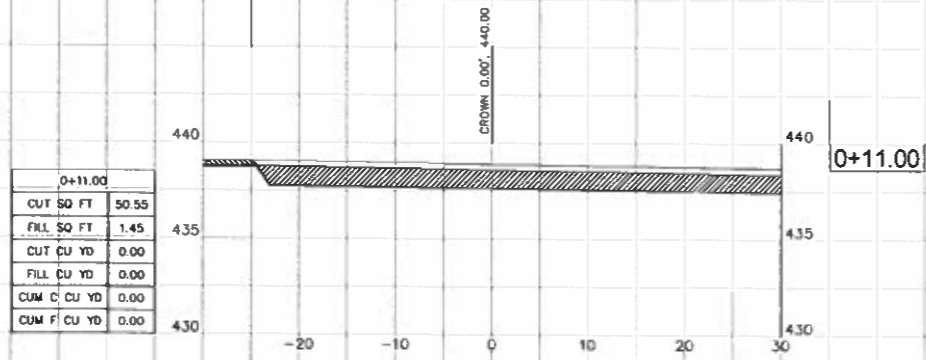
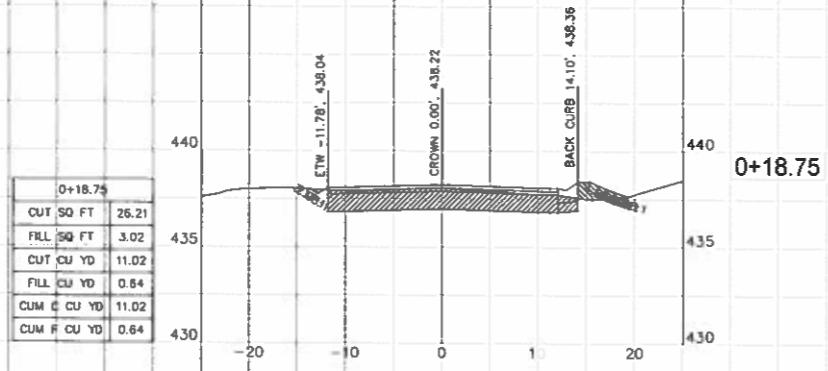
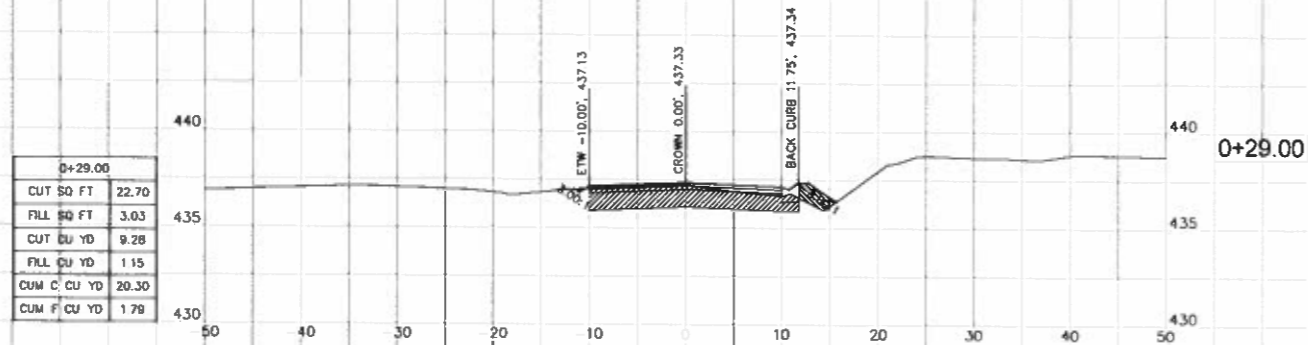
VILLAGE OF CRAINVILLE
 EAST GRAND ROAD IMPROVEMENT
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 EAST GRAND ROAD
 SCALE: SHEET 10 OF 10 SHEETS STA. 55+50.00 TO STA. 56+25.00

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	00013-00-PV	WILLIAMSON	53	43
			CONTRACT NO. 99610	

ILLINOIS FED. AID PROJECT

HAFER



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 CIVIL ENGINEERS, LAND SURVEYORS
 201 SOUTH DIVISION STREET, CARLETONVILLE, ILLINOIS 62214
 PHONE: 618-366-2279 FAX: 618-366-2282
 PROFESSIONAL DESIGN PERM # 184-02285

USER NAME	DESIGNED	REVISIONS
—	— JHC	—
PLOT SCALE	DRAWN	REVISIONS
—	— JHC	—
PLOT DATE	CHECKED	REVISIONS
—	— RLM	—
	DATE	REVISIONS
	— 10/02/18	—

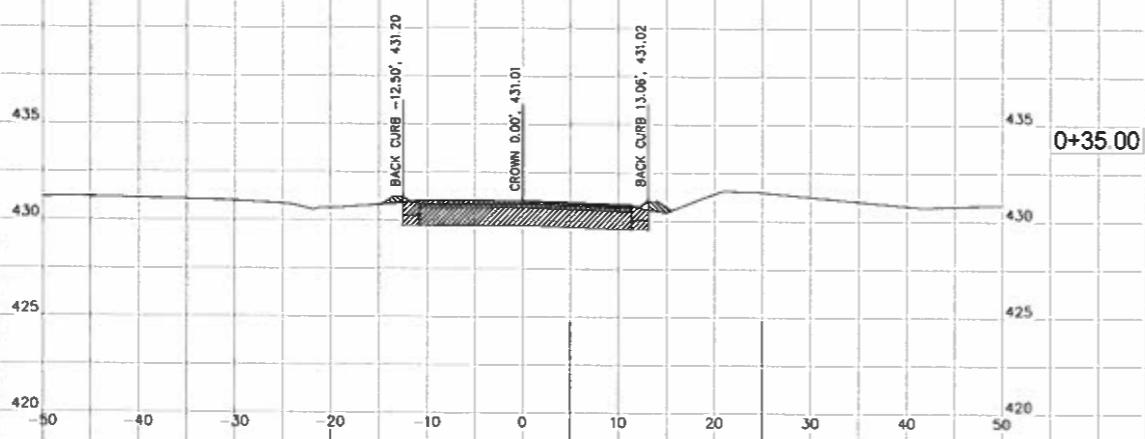
VILLAGE OF CRAINVILLE
 EAST GRAND ROAD IMPROVEMENT
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - SIDE APPROACHES
 EAST GRAND ROAD
 SCALE: SHEET 1 OF 4 SHEETS STA. 0+11.00 TO STA. 0+35.00

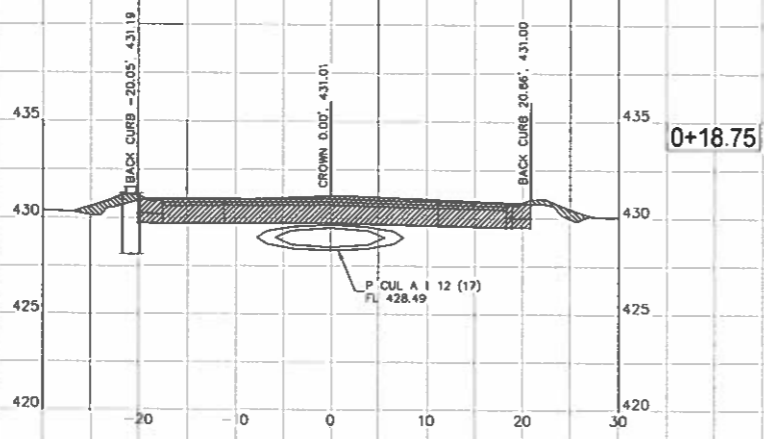
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17-00013-00-PV	WILLIAMSON	53	44	
CONTRACT NO. 99610				
ILLINOIS FED. AID PROJECT				

BROOKE

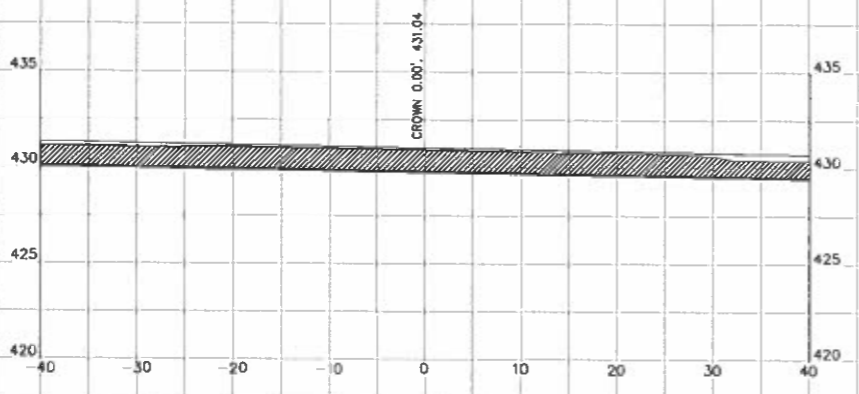
0+35.00	
CUT SQ FT	31.41
FILL SQ FT	1.44
CUT CU YD	28.65
FILL CU YD	1.85
CUM C CU YD	45.78
CUM F CU YD	2.52



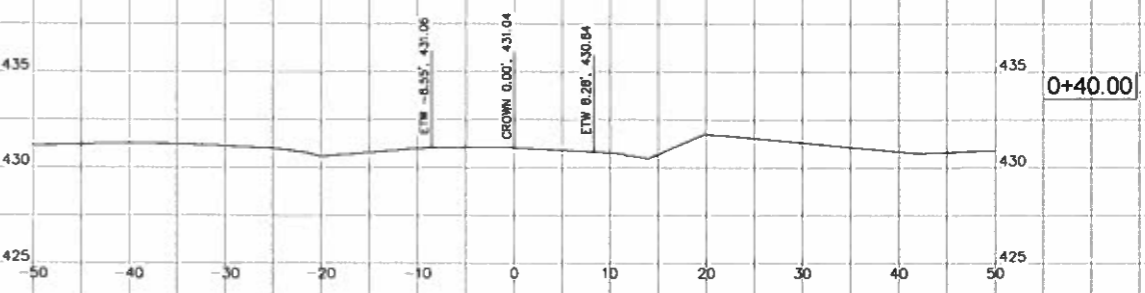
0+18.75	
CUT SQ FT	53.83
FILL SQ FT	4.70
CUT CU YD	20.13
FILL CU YD	0.67
CUM C CU YD	20.13
CUM F CU YD	0.67



0+11.00	
CUT SQ FT	86.43
FILL SQ FT	0.00
CUT CU YD	0.00
FILL CU YD	0.00
CUM C CU YD	0.00
CUM F CU YD	0.00



0+40.00	
CUT SQ FT	0.00
FILL SQ FT	0.00
CUT CU YD	2.91
FILL CU YD	0.13
CUM C CU YD	48.69
CUM F CU YD	2.66



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PROFESSIONAL DESIGN FIRM # 184-020885

USER NAME =	DESIGNED -- JHC	REVISED --
PLOT SCALE =	DRAWN -- JHC	REVISED --
PLOT DATE =	CHECKED -- RLM	REVISED --
	DATE -- 10/02/18	REVISED --

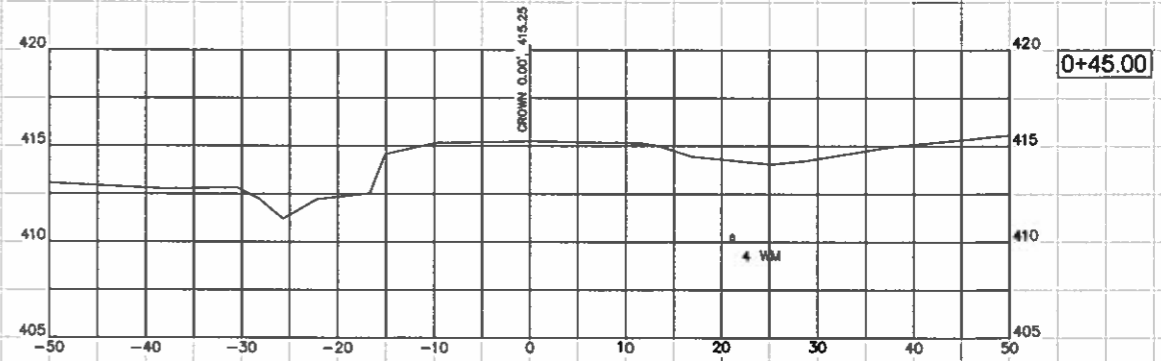
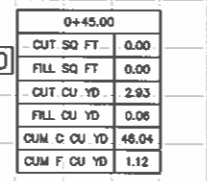
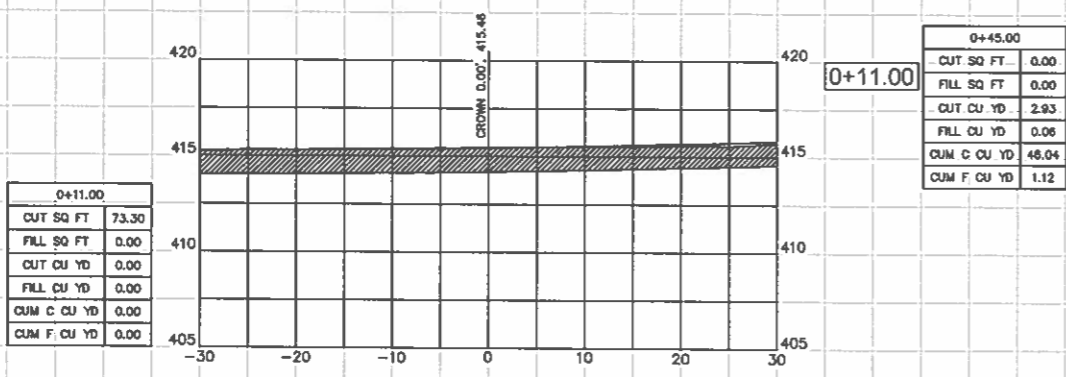
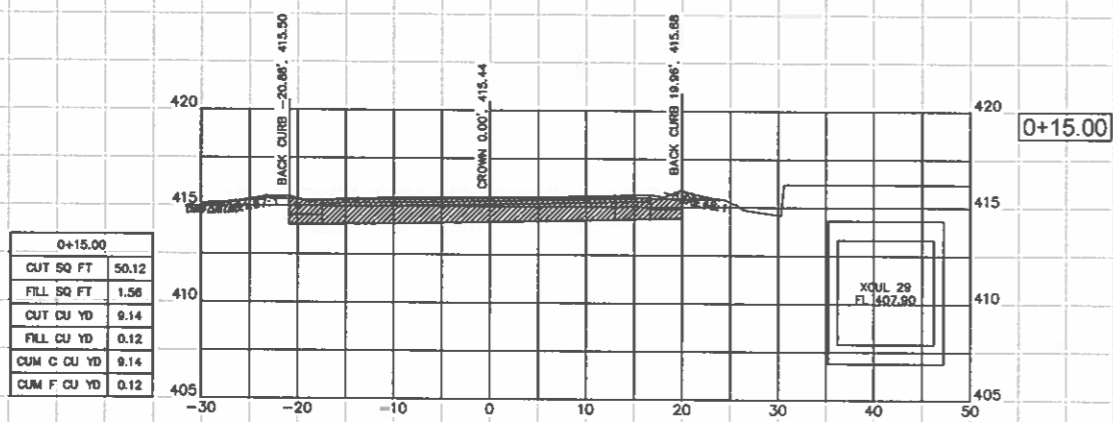
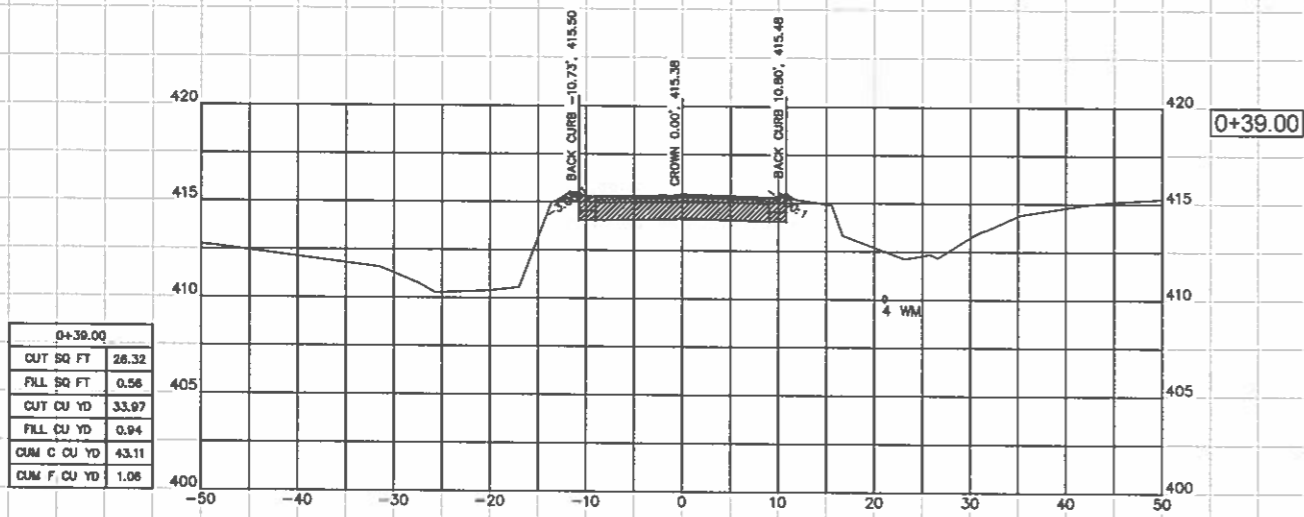
**VILLAGE OF CRAINVILLE
EAST GRAND ROAD IMPROVEMENT
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS - SIDE APPROACHES
EAST GRAND ROAD**

SCALE: SHEET 2 OF 4 SHEETS STA. 0+11.00 TO STA. 0+40.00

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00013-00-PV	WILLIAMSON	53	45
			CONTRACT NO. 99610	
ILLINOIS FED. AID PROJECT				

VICTOR



JOHN H. CRAWFORD & ASSOCIATES, P.C.
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 281 SOUTH DIVISION STREET, CARTERSVILLE, ILLINOIS 62914
 PHONE (618) 945-4270 FAX (618) 945-4882
 PROFESSIONAL DESIGN FIRM # 14-002095

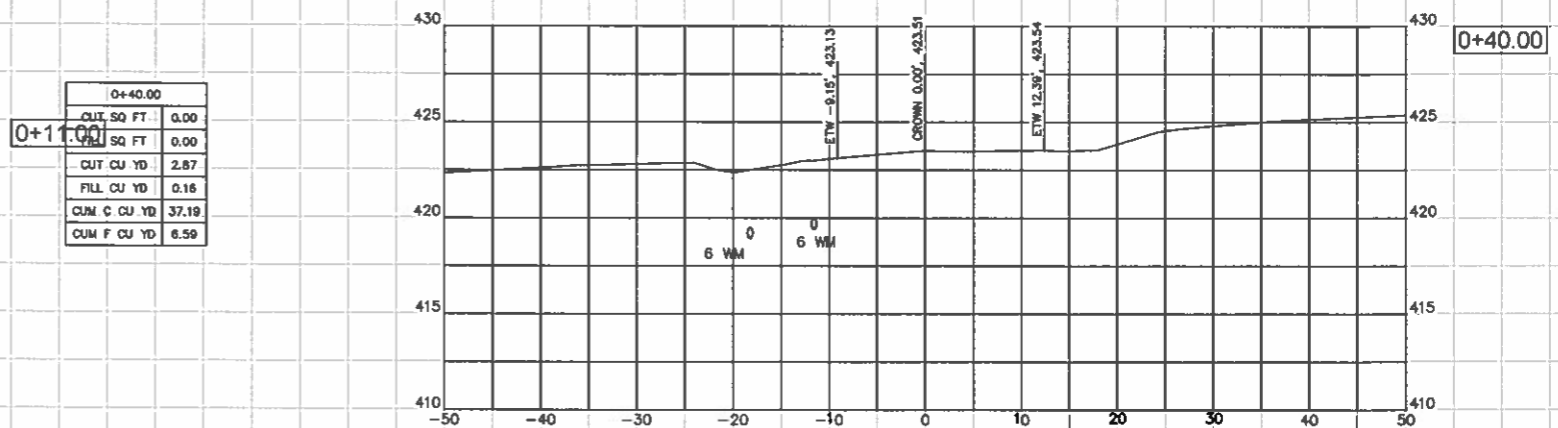
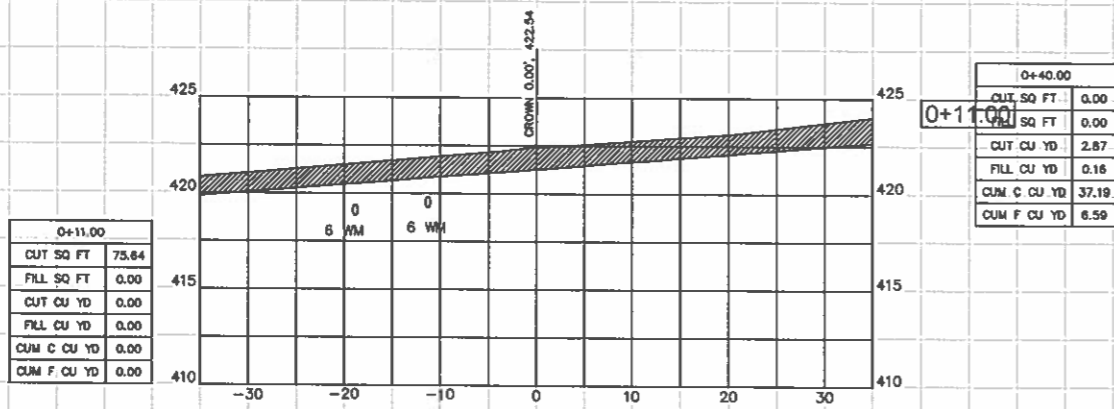
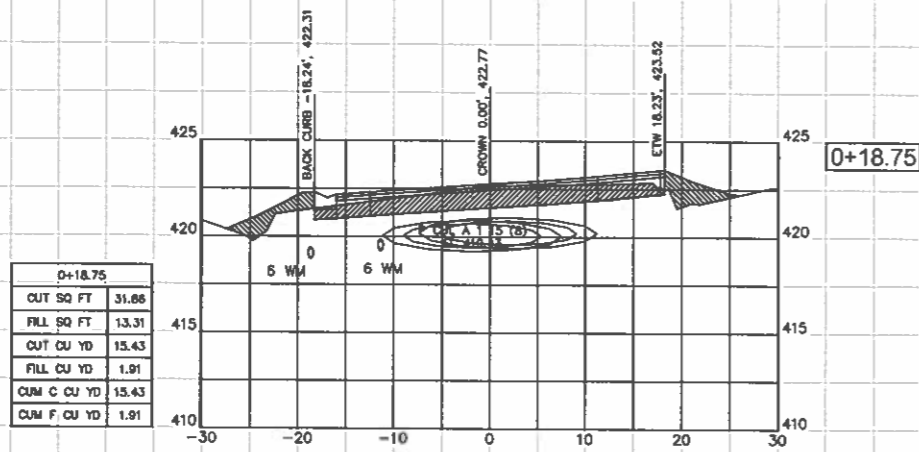
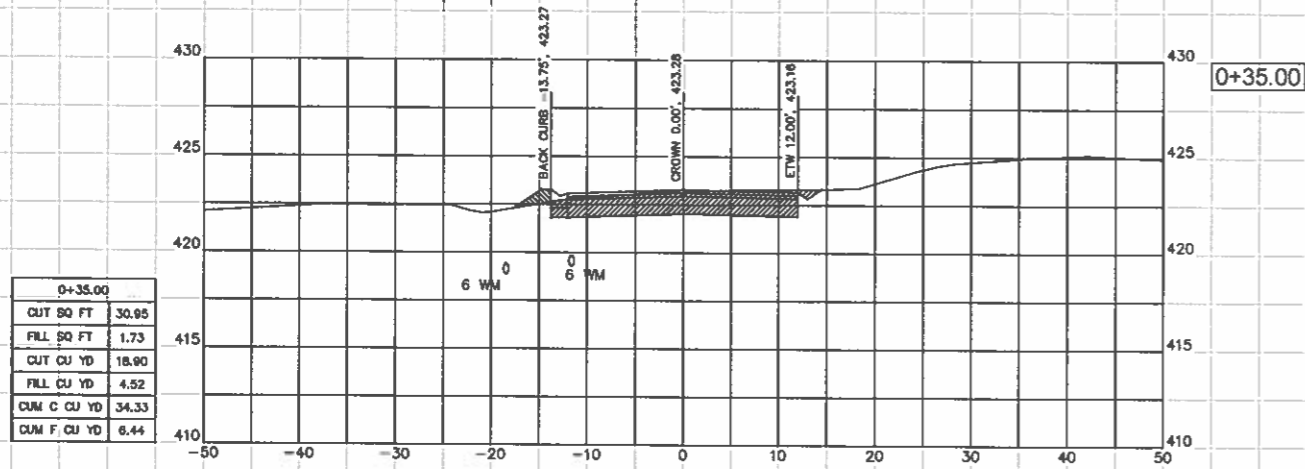
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	JHC	
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	JHC	
PLOT DATE	CHECKED	REVISIONS
	RLM	
	DATE	REVISIONS
	10/02/18	

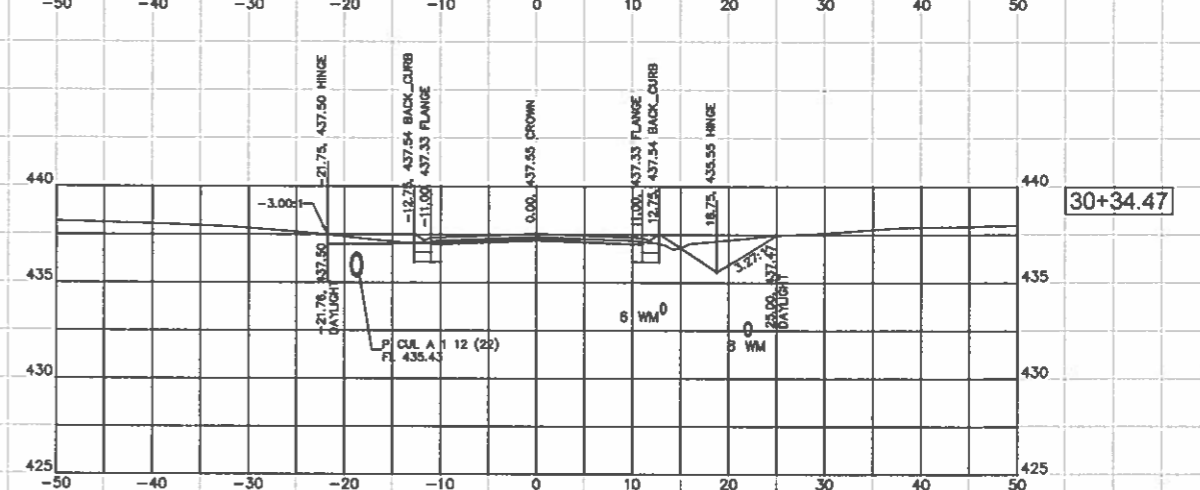
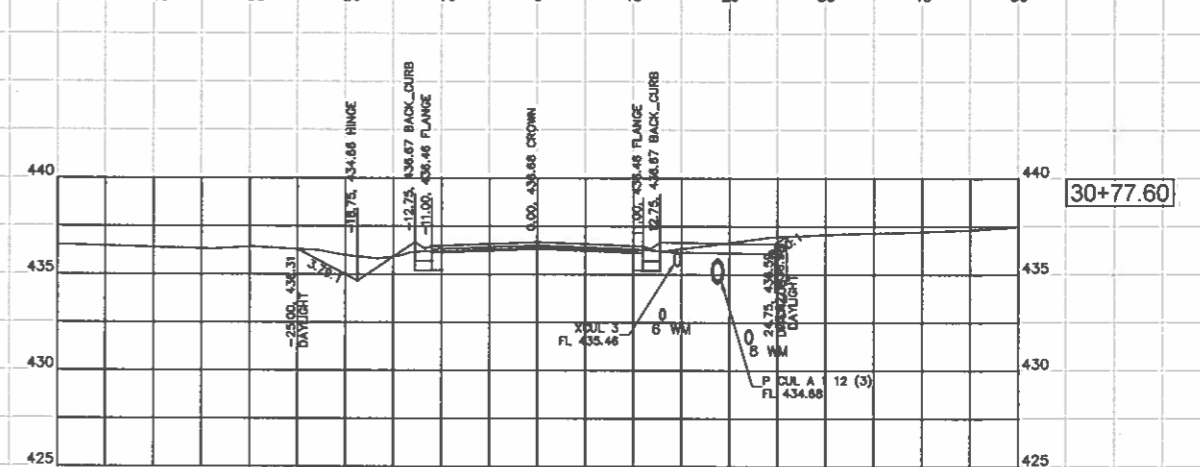
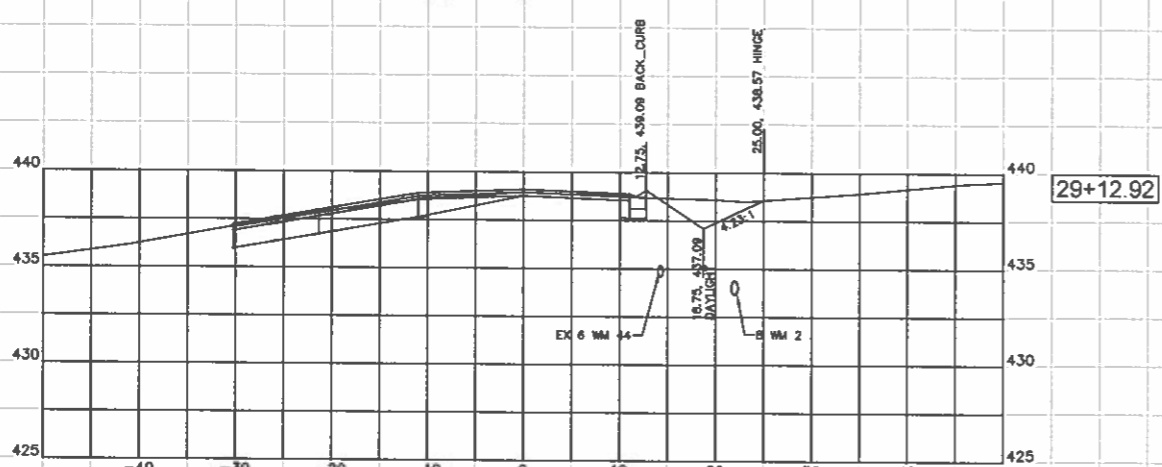
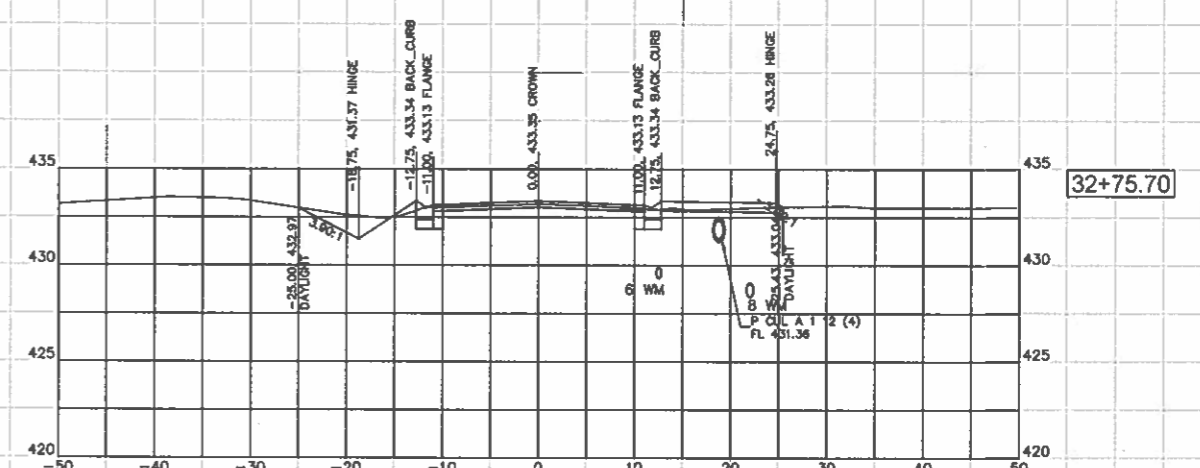
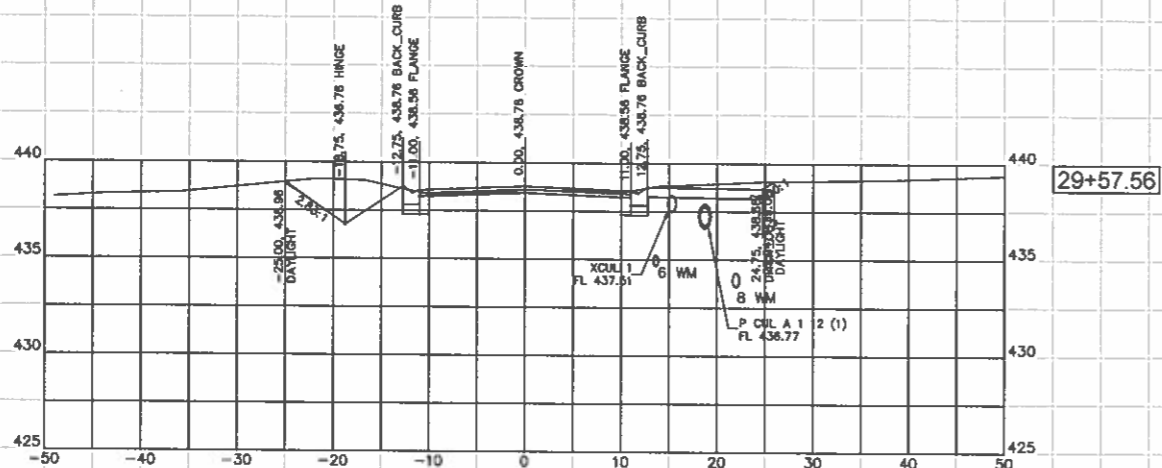
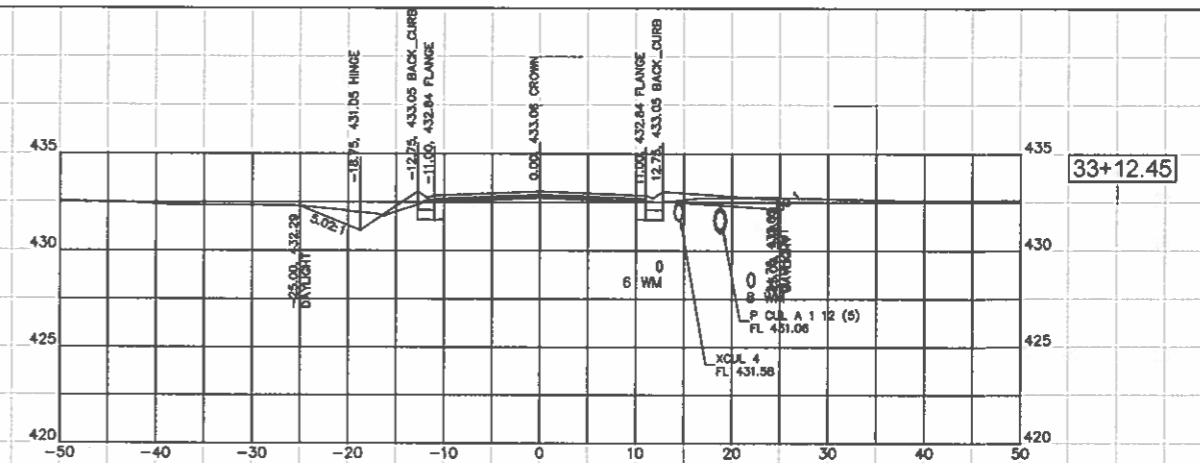
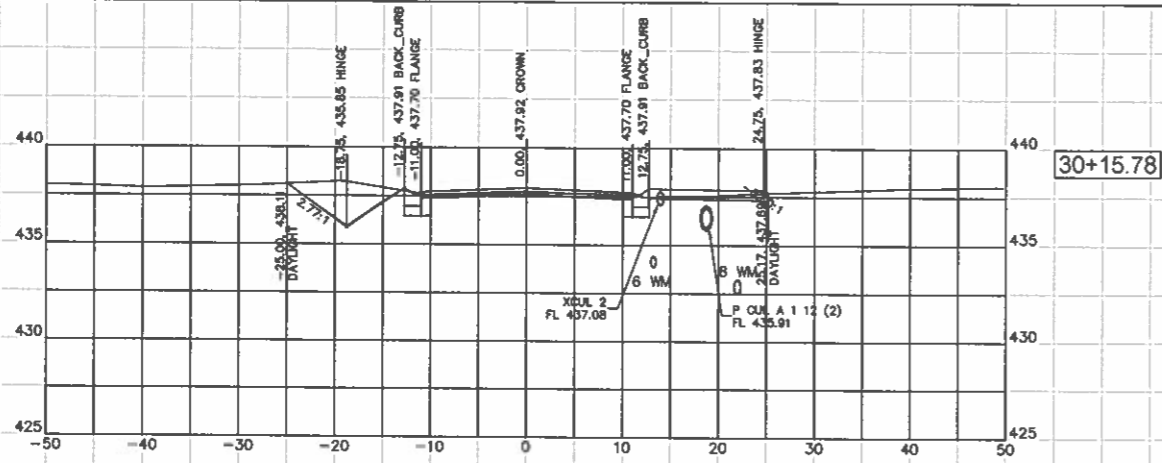
VILLAGE OF CRAINVILLE
 EAST GRAND ROAD IMPROVEMENT
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - SIDE APPROACHES
 EAST GRAND ROAD
 SCALE: SHEET 3 OF 4 SHEETS STA. 0+11.00 TO STA. 0+45.00

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00013-00-PV	WILLIAMSON	53	46
CONTRACT NO. 99610				
ILLINOIS FED. AID PROJECT				

HURICANE





JOHN H. CRAWFORD & ASSOCIATES, P.C.
 CIVIL ENGINEERS, LAND SURVEYORS
 391 SOUTH DIVISION STREET, CARLETONVILLE, ILLINOIS 62931
 PHONE (618) 353-0270 FAX (618) 353-0262
 PROFESSIONAL DESIGN FIRM # 14-022865

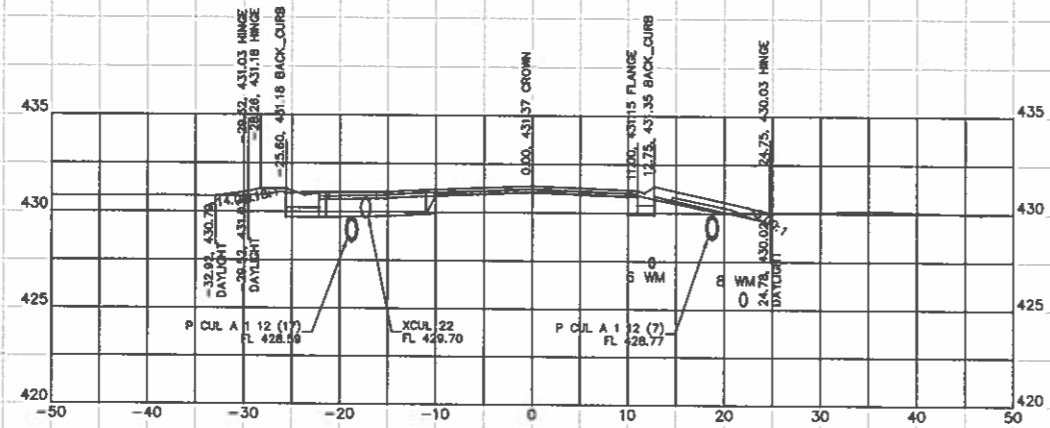
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	JHC	
PLOT SCALE	DRAWN	REVISIONS
	JHC	
PLOT DATE	CHECKED	REVISIONS
	RLM	
	DATE	REVISIONS
	10/02/18	

VILLAGE OF CRAINVILLE
 EAST GRAND ROAD IMPROVEMENT
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

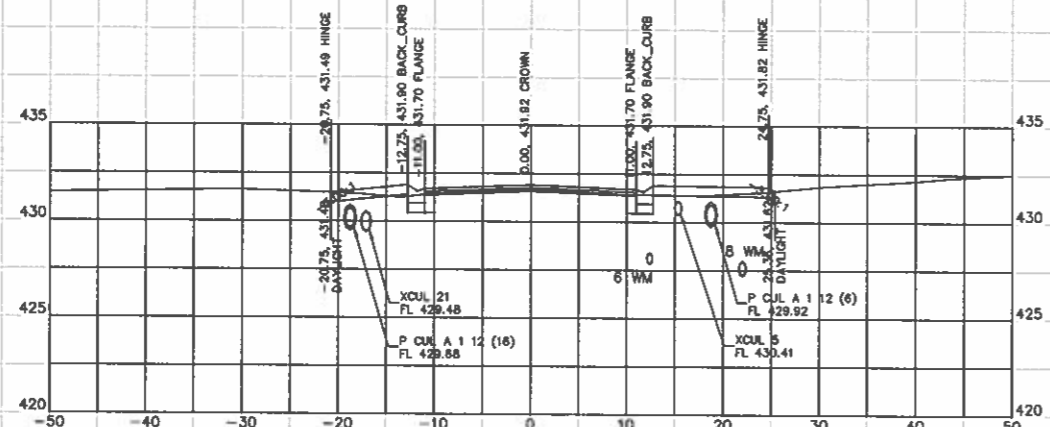
CROSS SECTIONS @ DRIVES
 EAST GRAND ROAD

SCALE: SHEET 1 OF 6 SHEETS STA. 28+63.54 TO STA. 33+12.45

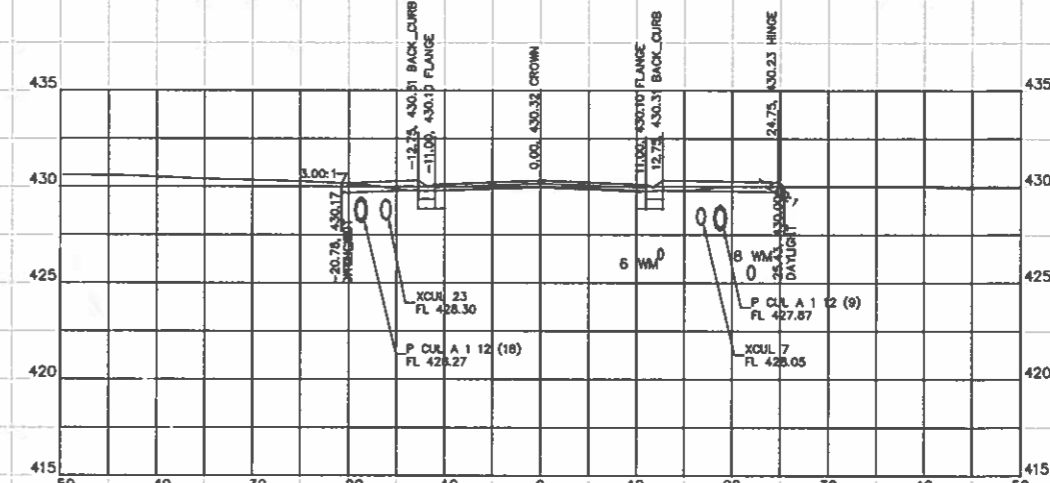
RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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			CONTRACT NO. 99610	
ILLINOIS FED. AID PROJECT				



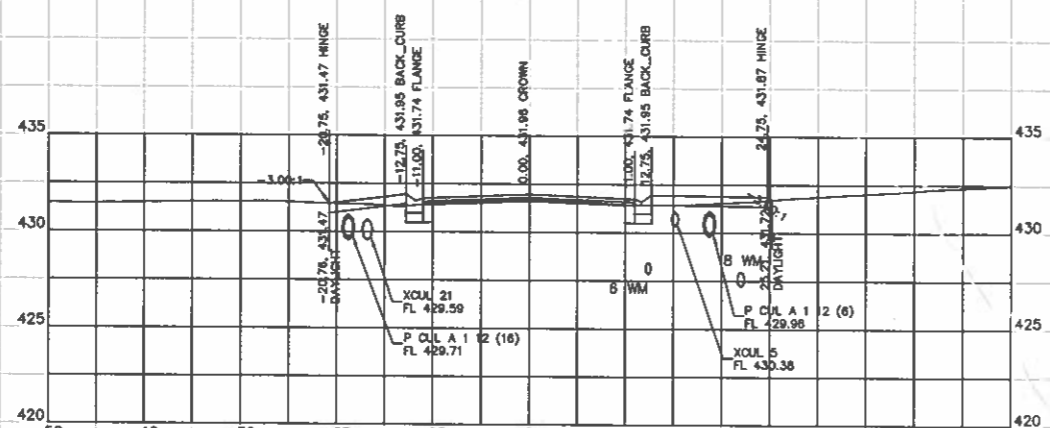
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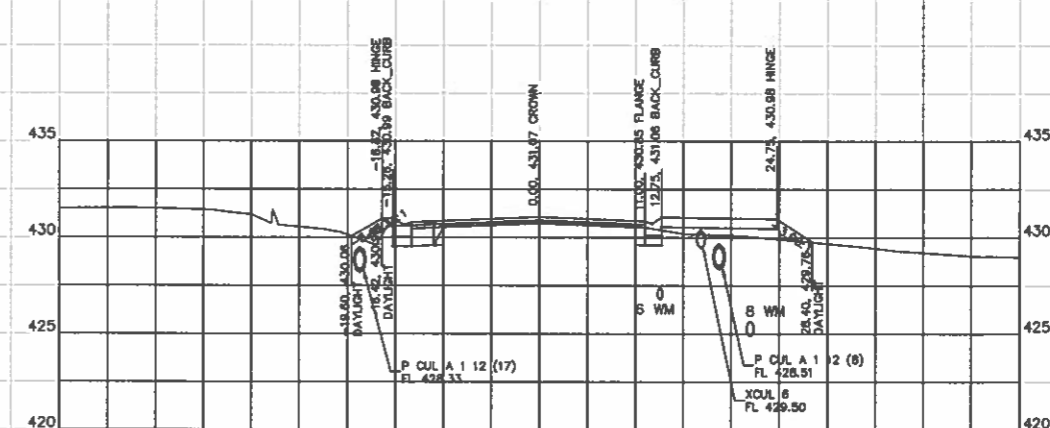
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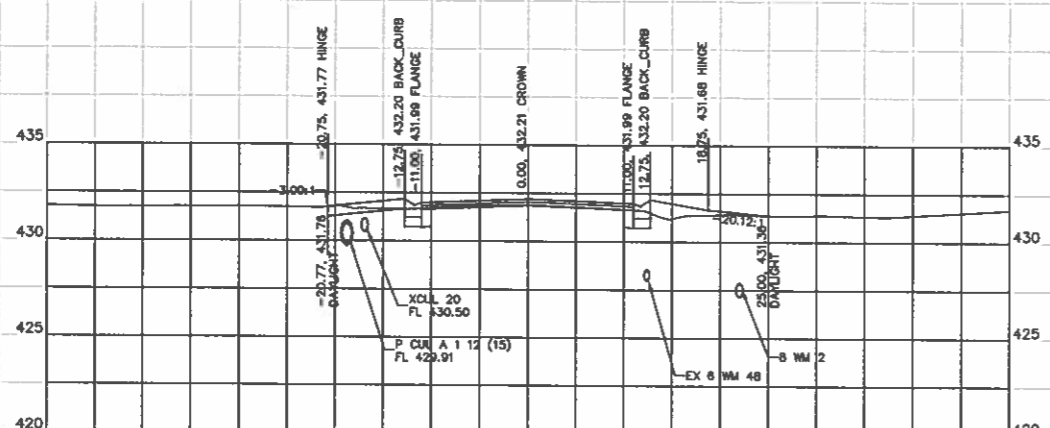
36+71.29



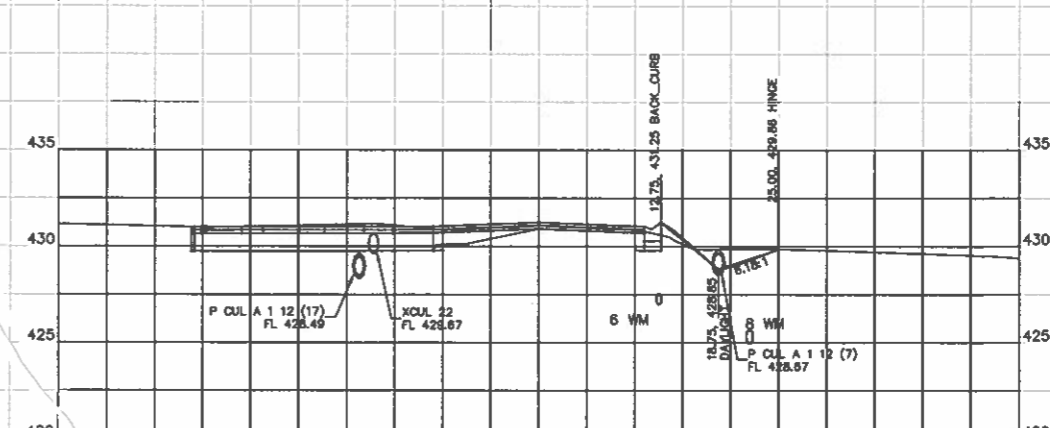
34+62.34



35+84.30



34+28.58



35+58.36

JOHN H. CRAWFORD & ASSOCIATES, P.C.
CIVIL ENGINEERS, LAND SURVEYORS
201 SOUTH CHURCH STREET, CHATTERTONVILLE, ILLINOIS 62411
PHONE (618) 865-5176 FAX (618) 865-4853
PROFESSIONAL DESIGN PERM # 184-028868

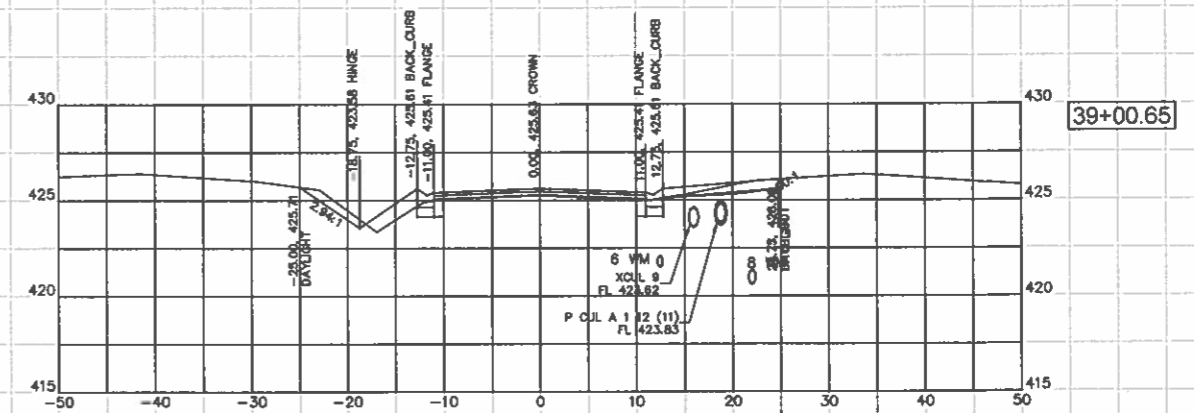
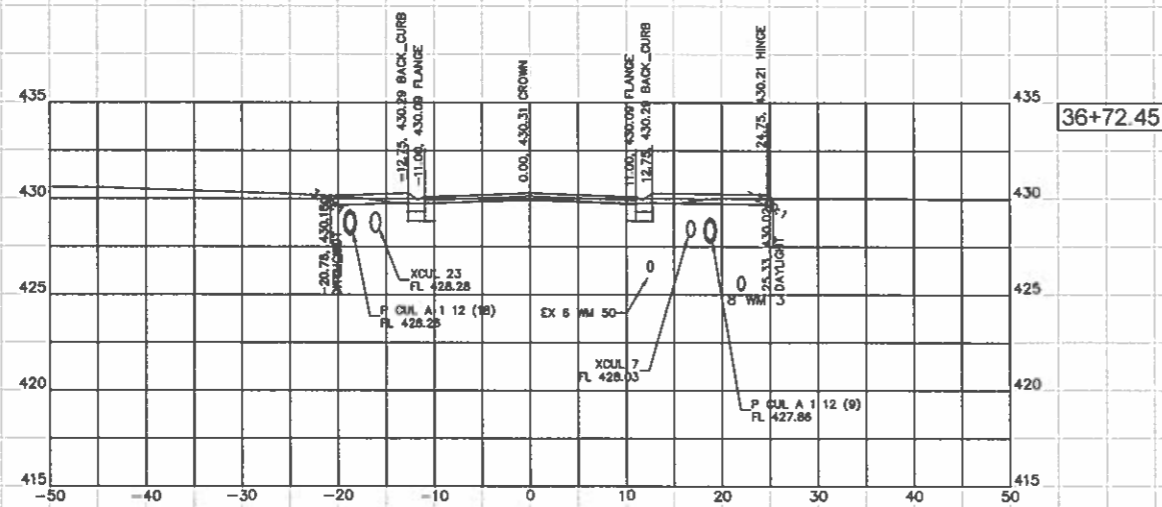
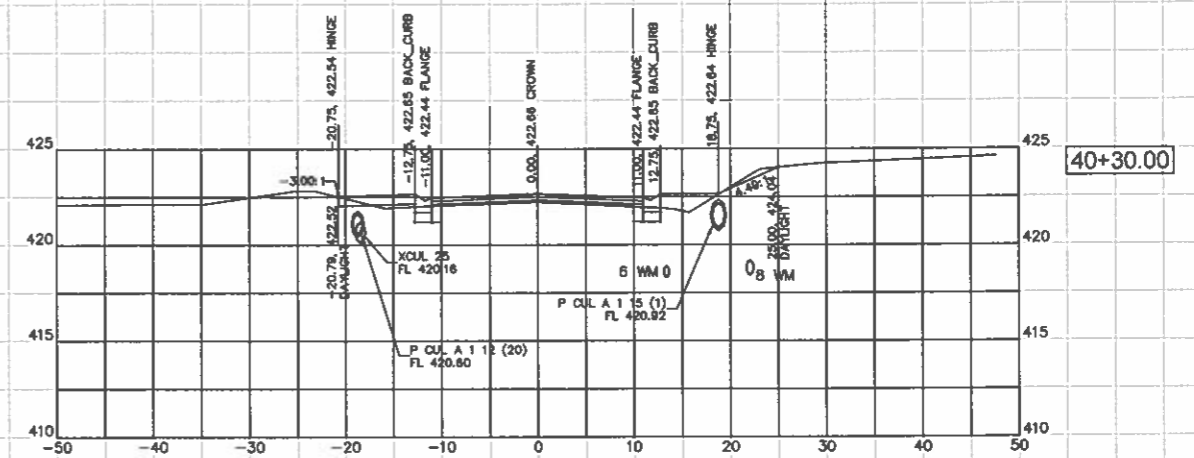
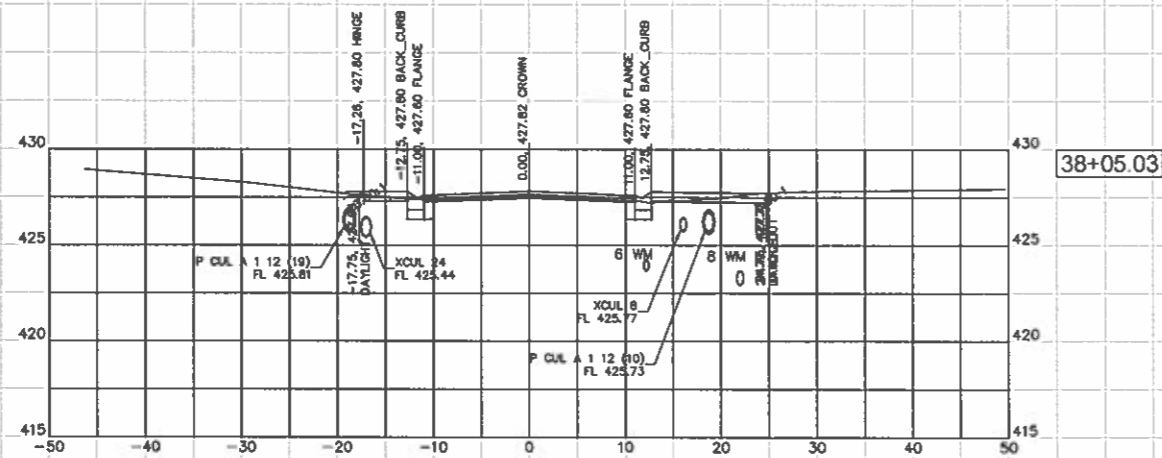
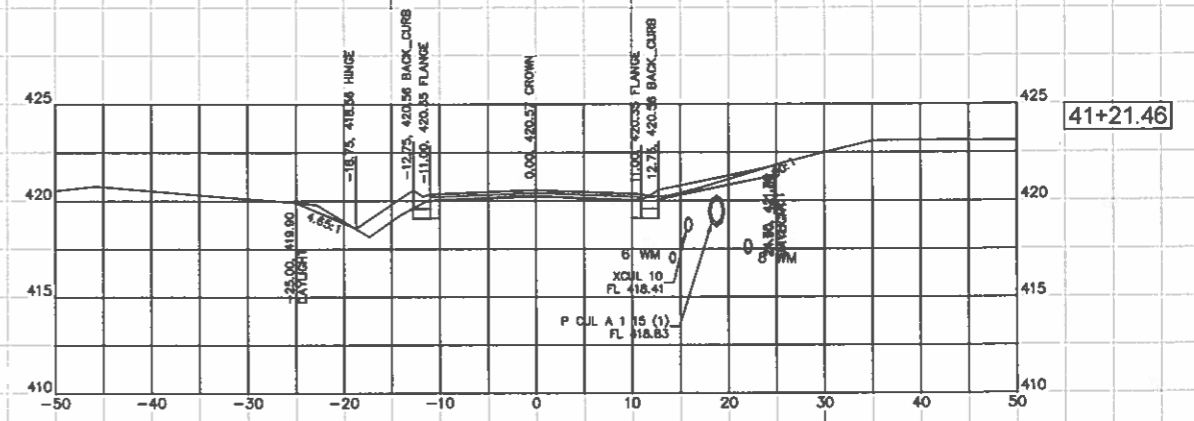
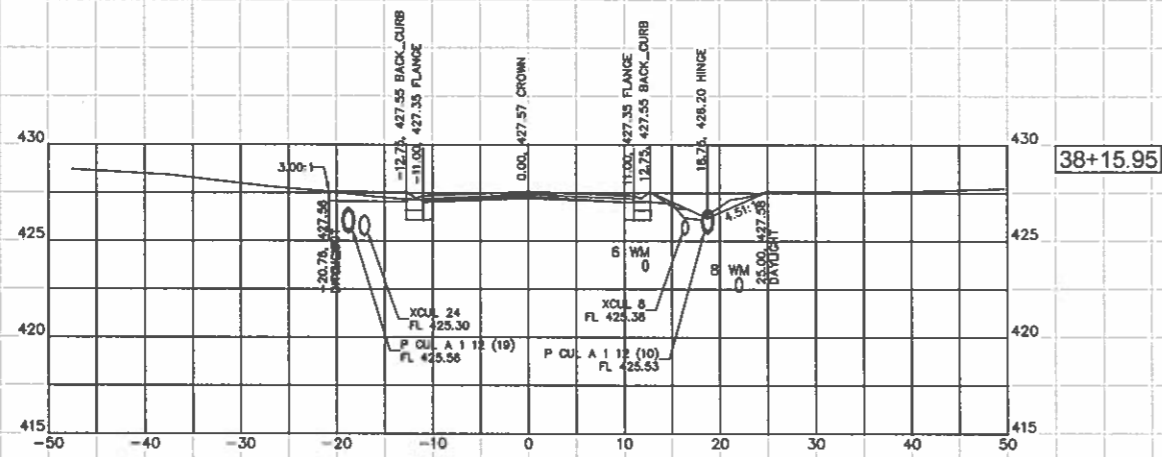
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VILLAGE OF CRAINVILLE
EAST GRAND ROAD IMPROVEMENT
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS @ DRIVES
EAST GRAND ROAD

SCALE: SHEET 2 OF 6 SHEETS STA. 34+28.58 TO STA. 36+71.29

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00013-00-PV	WILLIAMSON	53	49
			CONTRACT NO. 99610	
ILLINOIS FED. AID PROJECT				



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 CIVIL ENGINEERS, LAND SURVEYORS
 201 SOUTH DIVISION STREET, CARLEVILLE, ILLINOIS 62614
 PHONE (618) 462-6278 FAX (618) 462-4892
 PROFESSIONAL DESIGN PERMIT # 154-000008

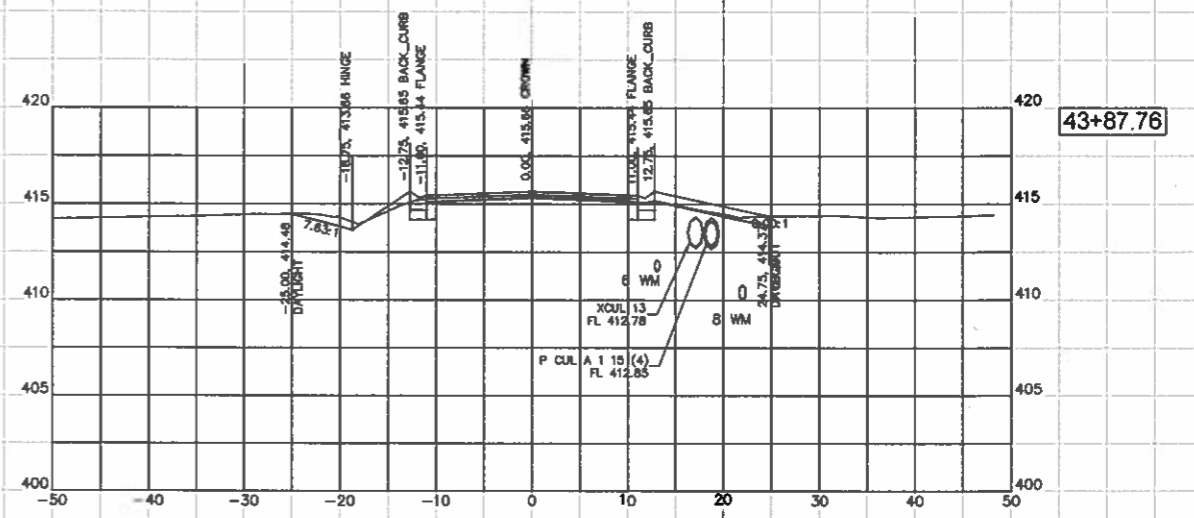
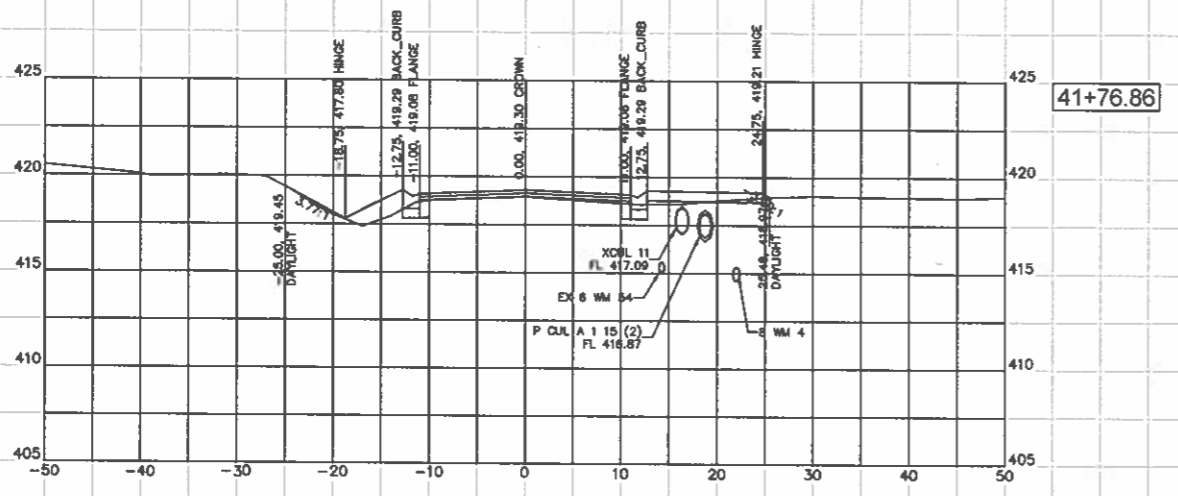
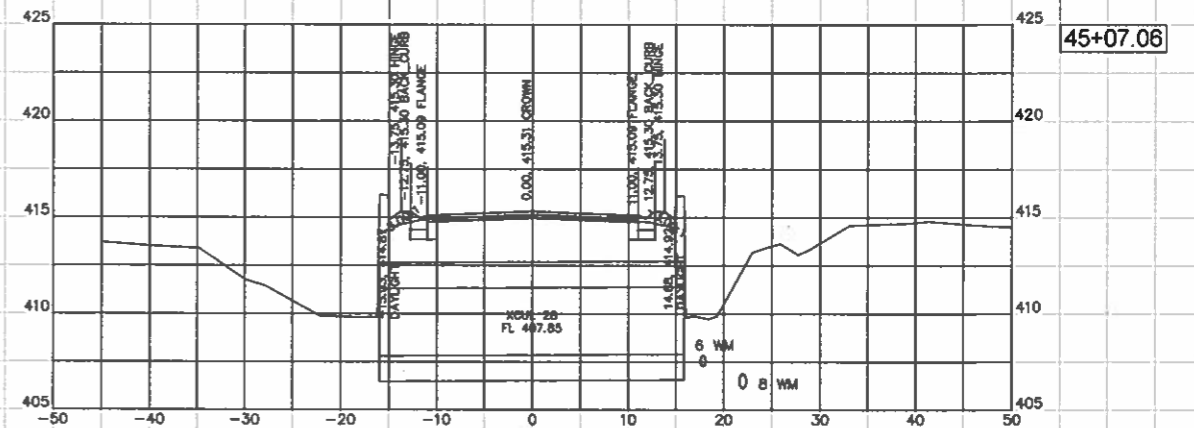
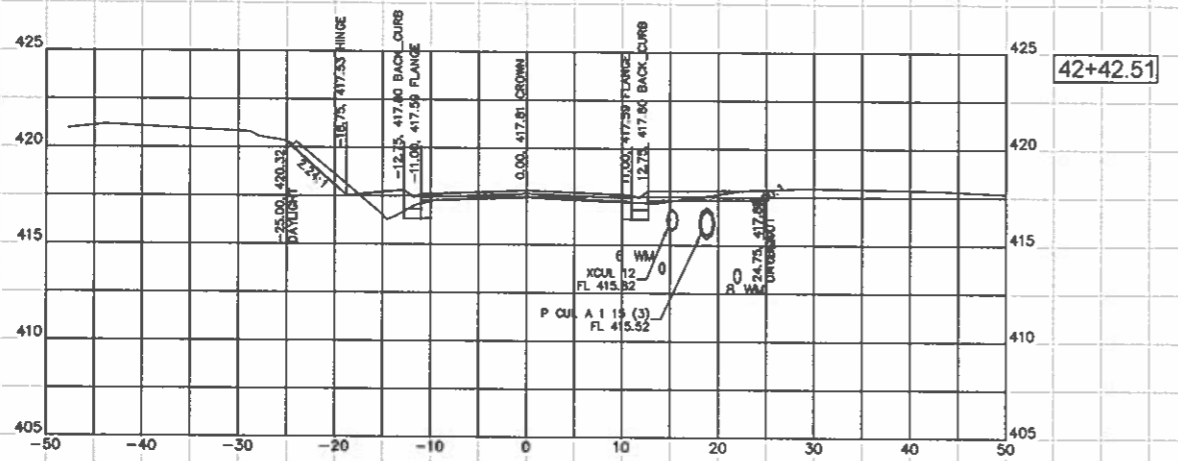
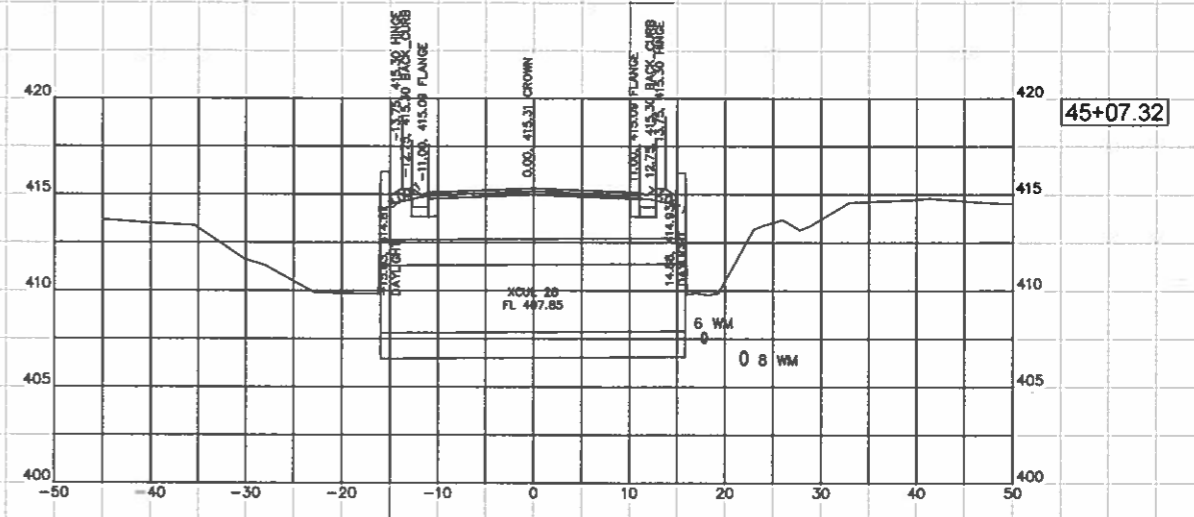
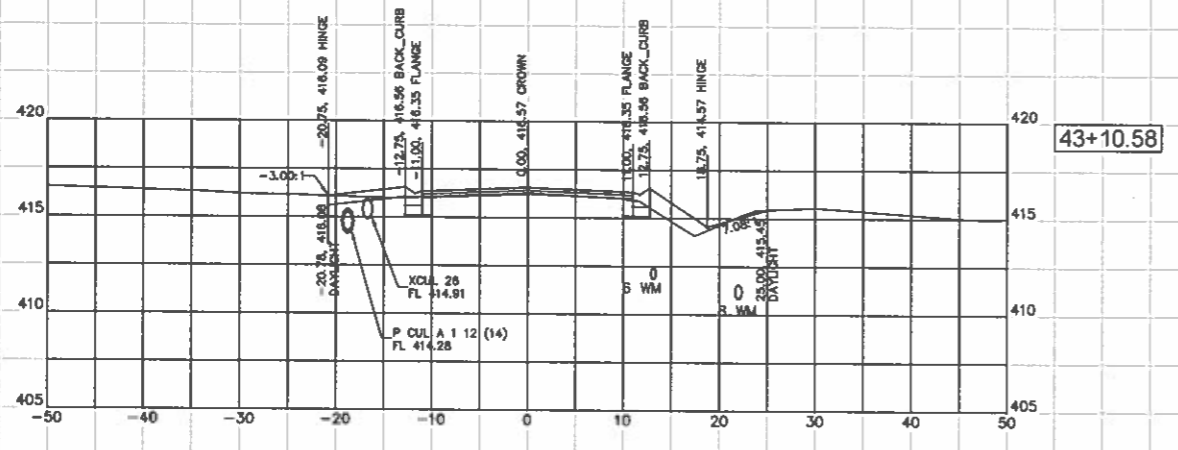
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PLOT DATE =	CHECKED = RLM	REVISED =
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VILLAGE OF CRAINVILLE
 EAST GRAND ROAD IMPROVEMENT
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS @ DRIVES
 EAST GRAND ROAD

SCALE: SHEET 3 OF 6 SHEETS STA. 36+72.45 TO STA. 41+21.46

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00013-00-PV	WILLIAMSON	53	50
ILLINOIS FLD. AID PROJECT			CONTRACT NO. 99610	



JOHN H. CRAWFORD & ASSOCIATES, P.C.
 CIVIL ENGINEERS, LAND SURVEYORS
 381 SOUTH DAVENPORT STREET, CARTERSVILLE, ILLINOIS 62911
 PHONE: (618) 288-9370 FAX: (618) 288-4892
 PROFESSIONAL DESIGN FIRM # 134-003895

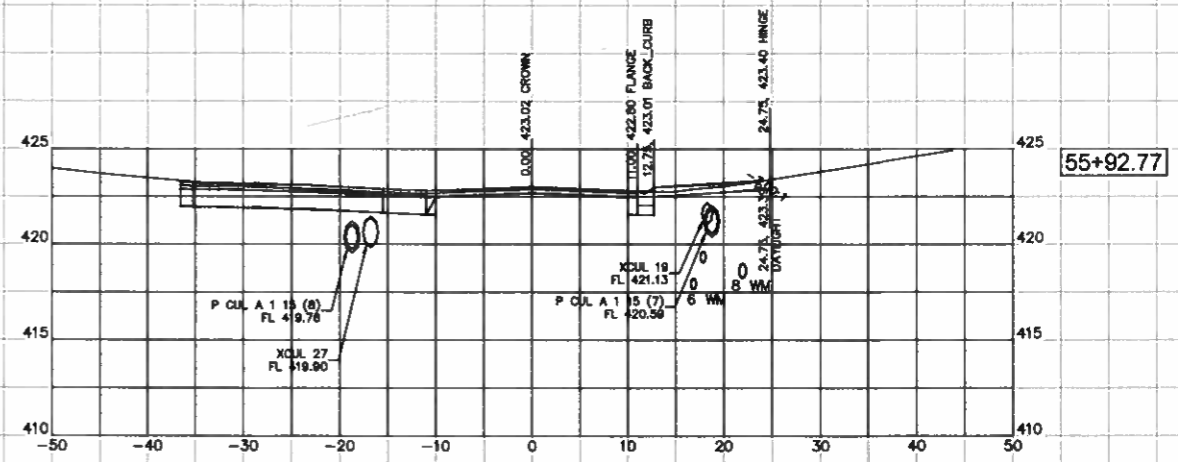
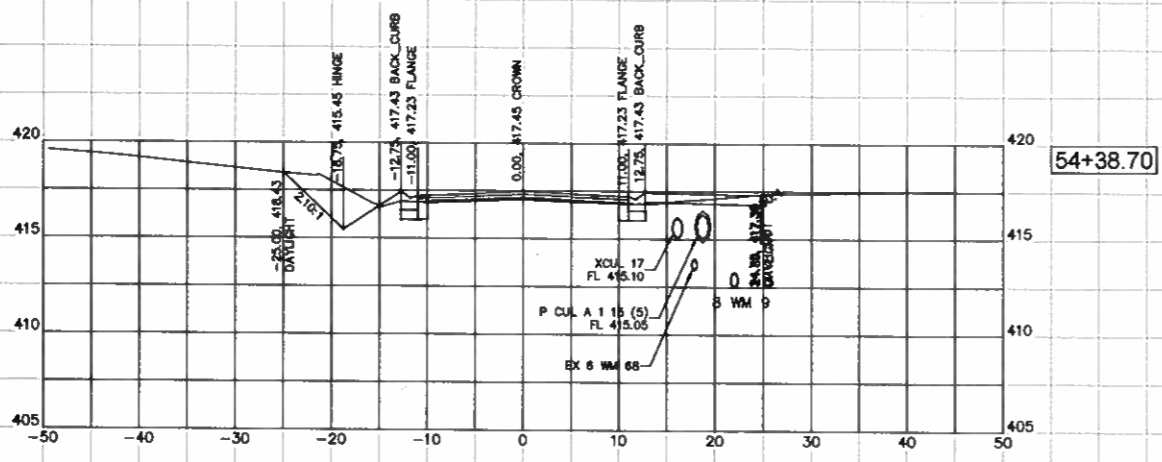
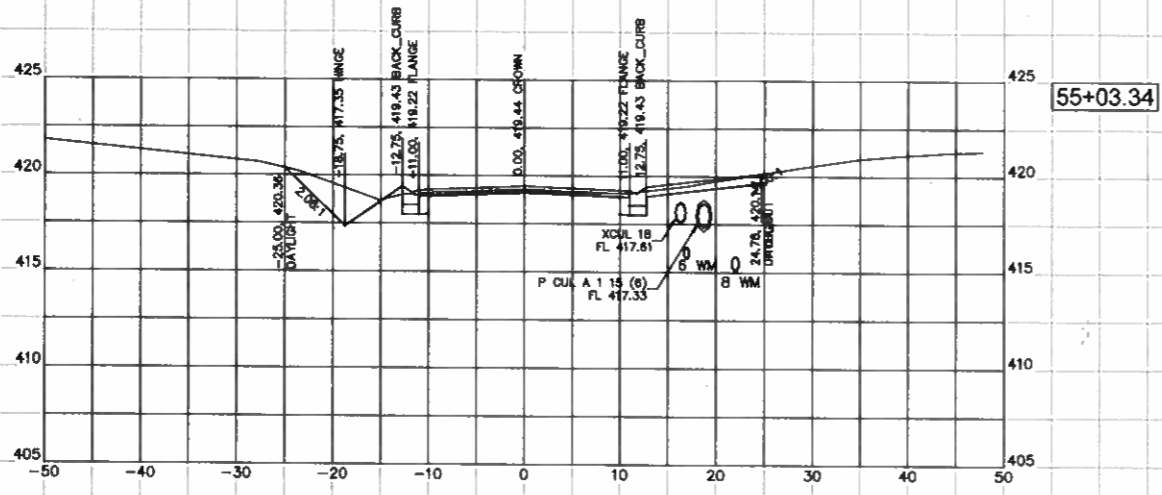
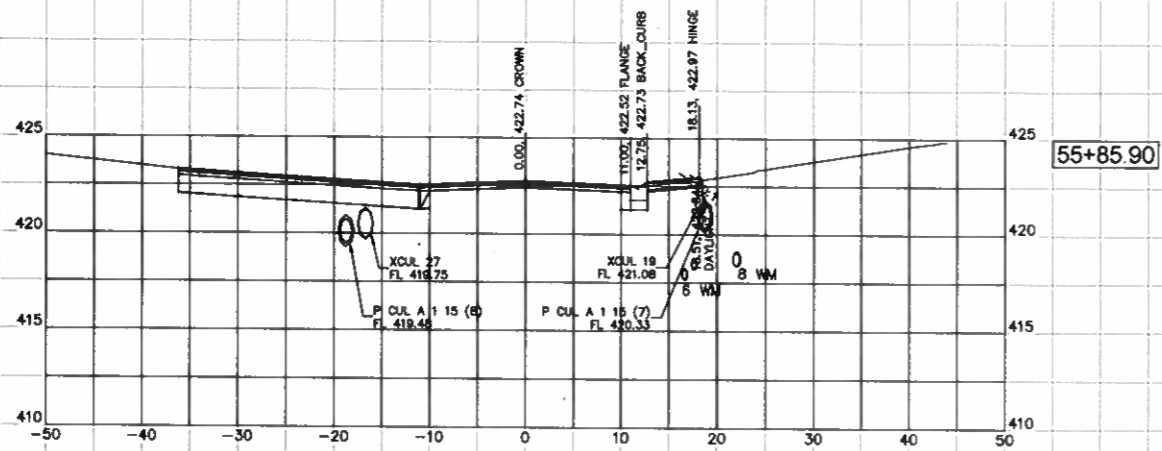
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VILLAGE OF CRAINVILLE
 EAST GRAND ROAD IMPROVEMENT
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS @ DRIVES
EAST GRAND ROAD

SCALE: SHEET 4 OF 6 SHEETS STA. 41+76.86 TO STA. 45+07.32

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00013-00-PV	WILLIAMSON	53	51
			CONTRACT NO. 99610	
ILLINOIS FED. AID PROJECT				



JOHN H. CRAWFORD & ASSOCIATES, P.C.
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 801 SOUTH OGDEN STREET, CAIROVILLE, ILLINOIS 62424
 PHONE (618) 895-6278 FAX (618) 895-4852
 PROFESSIONAL DESIGN PERM # 164-02285

USER NAME =	DESIGNED - JHC	REVISED -
PLOT SCALE =	DRAWN - JHC	REVISED -
PLOT DATE =	CHECKED - RLM	REVISED -
	DATE - 10/02/18	REVISED -

VILLAGE OF CRAINVILLE
 EAST GRAND ROAD IMPROVEMENT
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS @ DRIVES
 EAST GRAND ROAD
 SCALE: SHEET 6 OF 6 SHEETS STA. 54.38.70 TO STA. 55+92.77

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17-00013-00-PV		WILLIAMSON	53	53
CONTRACT NO. 99610				
ILLINOIS FED. AID PROJECT				