

11/18/2022 LETTING ITEM 099

STREET IMPROVEMENTS WASTENA STREET FAU 9450 SEC 11-00064-00-FP CITY OF BENTON FRANKLIN COUNTY, IL C-99-508-17 PROJECT NO. 4CAG(821)

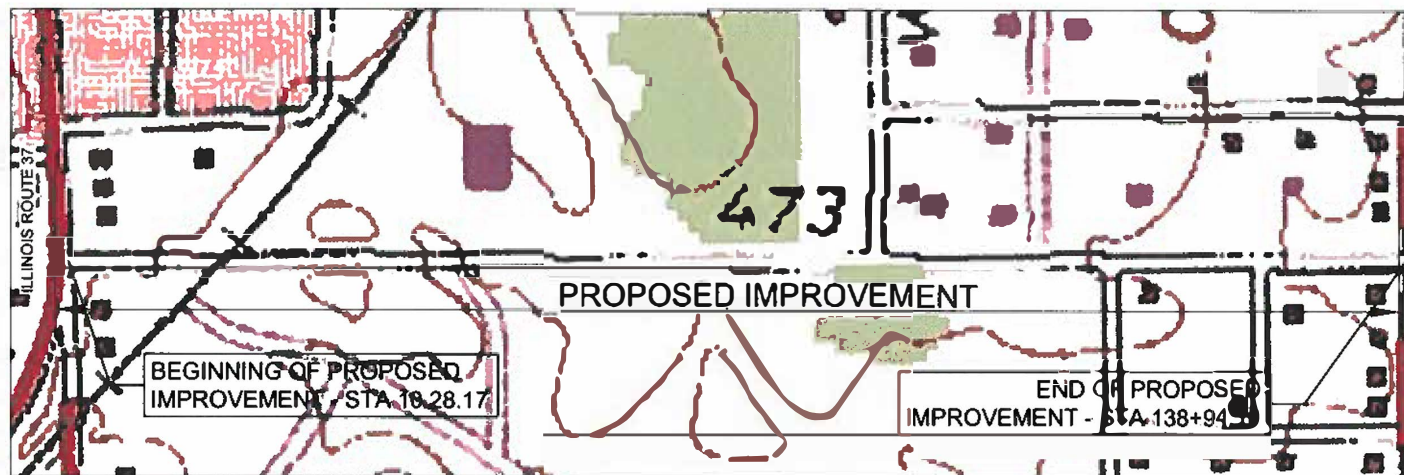


LOCATION OF SECTION INDICATED THIS: -

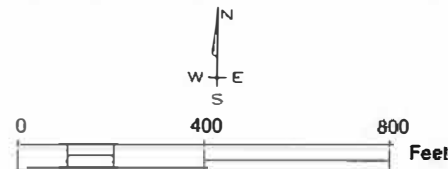
MAYOR FRED KONDRITZ
CITY COUNCIL
COMMISSIONER COY COCKRUM
COMMISSIONER CATHY GARAVALIA
COMMISSIONER DON STOREY
COMMISSIONER LEE MESSERSMITH
CITY CLERK BROOK CRAIG
CITY TREASURER LISA MENO
CITY ATTORNEY TOM MALKOVICH

INDEX OF SHEETS

TITLE	SHEETS	PAGE
COVER	1	1
TYPICAL SECTIONS DETAILS & QUANTITIES	3	2, 2A, & 3
DEMOLITION	3	4-6
CULVERT & STORM SEWER PLANS	4	7-10
CULVERT & STORM SEWER PROFILES	5	11-15
PLAN & PROFILE	6	16-21
CURB RETURNS, GEOMETRY & ELEVATIONS	5	22-26
LAYOUT	3	26A-26C
CROSS SECTIONS	11	27-37
CROSS SECTIONS AT DRIVEWAYS, STREETS & ALLEYS	5	38-42
CROSS SECTIONS OF SIDE ROADS	3	43-45
CROSS SECTIONS AT EXISTING GUTTER OUTLETS & SANITARY SEWER MANHOLES	1	46
CROSS SECTIONS AT CULVERTS & STORM SEWER INLETS	5	47-51
CROSS SECTIONS ROUTE 37 RETURNS	5	52-56
R.O.W. PLAN	3	57-59
PAVEMENT MARKING	3	60-62
TRAFFIC CONTROL PLAN	1	63



T6S, R3E



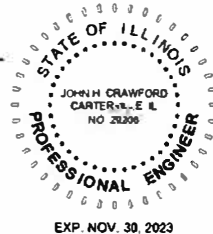
ENGINEER AND SURVEYOR'S CERTIFICATE

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
30TH DAY OF MARCH, 2022.

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



LENGTH OF PROJECT 2,894.10 FT
DESIGN SPEED URBAN 30 MPH
ROADWAY DESIGN DESIGNATION LOCAL ROAD
DESIGN TRAFFIC 2015 ADT = 1750

CITY OF BENTON
FRANKLIN COUNTY, IL
APPROVED *[Signature]*, 2022
LOCAL AGENCY POSITION

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
APPROVED *[Signature]* 4/15, 2022
DISTRICT ENGINEER OF LOCAL ROADS & STREETS
RELEASED FOR
BID BASED ON LIMITED REVIEW 4/15, 2022
[Signature]
DEPUTY DIRECTOR OF HIGHWAYS, REGION 5 ENGINEER

	DESIGNED - JHC	SUBMITTAL - 08/16/21	WASTENA STREET CITY OF BENTON, IL STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	COVER WASTENA STREET		DATE	03/09/20	REVISED		SCALE BAR SCALE	SHEET 1 OF 1 SHEETS	STA	TO STA	SECTION	11-00064-00-FP	COUNTY	FRANKLIN	TOTAL SHEETS	63	SHEET NO.	1
	DRAWN - JHC	SUBMITTAL - 03/30/22 REV		DATE	03/09/20	REVISED		STATE JOB NO	C-99-508-17	FED #U PROJECT	4CAG(821)										

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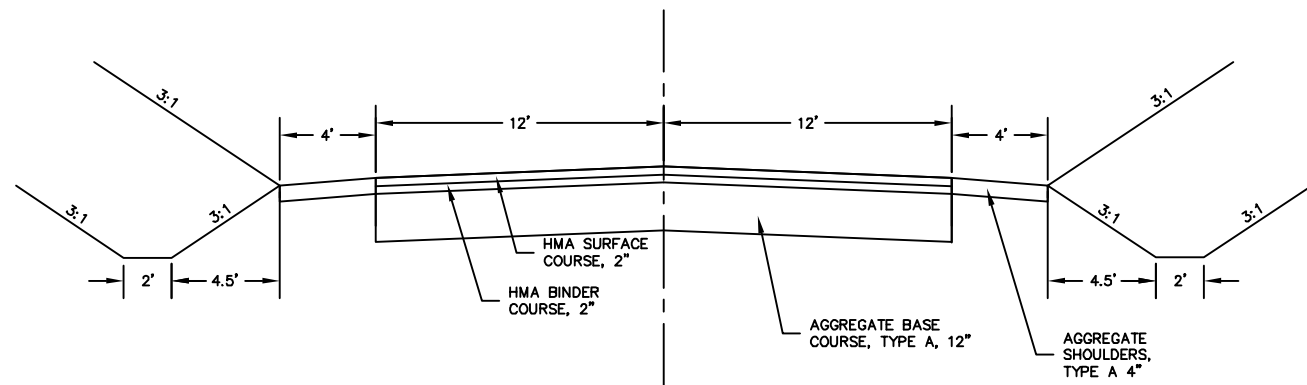
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CODE NO.	ITEM	QUANTITY	UNIT				
20100110	TREE REMOVAL (6-15 UNITS DIAMETER)	59	UNIT	△ 78001150	PAINT PAVEMENT MARKING - LINE 12	111	FOOT
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	282	UNIT	△ 78001160	PAINT PAVEMENT MARKING - LINE 16	84	FOOT
20200100	EARTH EXCAVATION	1585	CU YD	△ 78001180	PAINT PAVEMENT MARKING - LINE 24	189	FOOT
20800150	TRENCH BACKFILL	2060	CU YD	542A0223	PIPE CULVERTS, CLASS A, TYPE 1 18"	70	FOOT
25000100	SEEDING, CLASS 1	1.60	ACRE	542A5470	PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND SIZE 15"	225	FOOT
25000400	NITROGEN FERTILIZER NUTRIENTS	135	POUND	542A5473	PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND SIZE 18"	98	FOOT
25000500	PHOSPHORUS FERTILIZER NUTRIENTS	135	POUND	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	283	FOOT
25000600	POTASSIUM FERTILIZER NUTRIENTS	135	POUND	550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	138	FOOT
25000700	AGRICULTURAL GROUND LIMESTONE	3	TON	550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	115	FOOT
25100105	MULCH, METHOD 1	1.5	ACRE	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	224	FOOT
28000305	TEMPORARY DITCH CHECKS	20	FOOT	550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	244	FOOT
28000400	PERIMETER EROSION BARRIER	6000	FOOT	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	123	FOOT
28000500	INLET AND PIPE PROTECTION	50	EACH	550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	153	FOOT
35100100	AGGREGATE BASE COURSE, TYPE A	2563	TON	X6024242	INLETS, SPECIAL, NO. 1	22	EACH
40200100	AGGREGATE SURFACE COURSE, TYPE A	100	TON	X6024244	INLETS, SPECIAL, NO. 2	1	EACH
40600275	BITUMINOUS MATERIALS (PRIME COAT)	1830	POUND	X7010216	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	1	L-SUM
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	820	TON	Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	1	L-SUM
40604052	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX C, N70	843	TON	Z0056668	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 12"	480	FOOT
42000501	PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)	1064	SQUARE YARD	Z0056669	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 15"	535	FOOT
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	665	SQUARE YARD	Z0056670	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 18"	35	FOOT
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	430	SQUARE FOOT	# Z0076600	TRAINEES	1000	HOUR
44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	331	SQUARE YARD	# Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	1000	HOUR
44000200	DRIVEWAY PAVEMENT REMOVAL	199	SQUARE YARD				
44000400	GUTTER REMOVAL	52	FOOT				
44000500	COMBINATION CURB AND GUTTER REMOVAL	243	FOOT				
44000600	SIDEWALK REMOVAL	400	SQUARE FOOT				
48100100	AGGREGATE SHOULDERS, TYPE A	210	TON				
50105220	PIPE CULVERT REMOVAL	1001	FOOT				
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, 18"	2	EACH				
54214500	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 15"	10	EACH				
54214503	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 18"	4	EACH				
55100700	STORM SEWER REMOVAL 15"	65	FOOT				
△ 56200200	WATER SERVICE LINE, 3/4"	40	FOOT				
△ 56400100	FIRE HYDRANTS TO BE MOVED	1	EACH				
△ 56500200	DOMESTIC WATER SERVICE BOXES TO BE MOVED	1	EACH				
60218300	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	4	EACH				
60240301	INLETS, TYPE B, TYPE 8 GRATE	10	EACH				
60255500	MANHOLE TO BE ADJUSTED	2	EACH				
△ 60266600	VALVE BOXES TO BE ADJUSTED	1	EACH				
60604400	COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.18	3105	FOOT				
67100100	MOBILIZATION	1	L-SUM				
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	160	SQUARE FOOT				
70300100	SHORT TERM PAVEMENT MARKING	5312	FOOT				
△ 72000100	SIGN PANEL TYPE 1	104	SQUARE FOOT				
72900200	METAL POST TYPE B	226	FOOT				
△ 78001100	PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS	65	SQUARE FOOT				
△ 78001110	PAINT PAVEMENT MARKING - LINE 4	7651	FOOT				

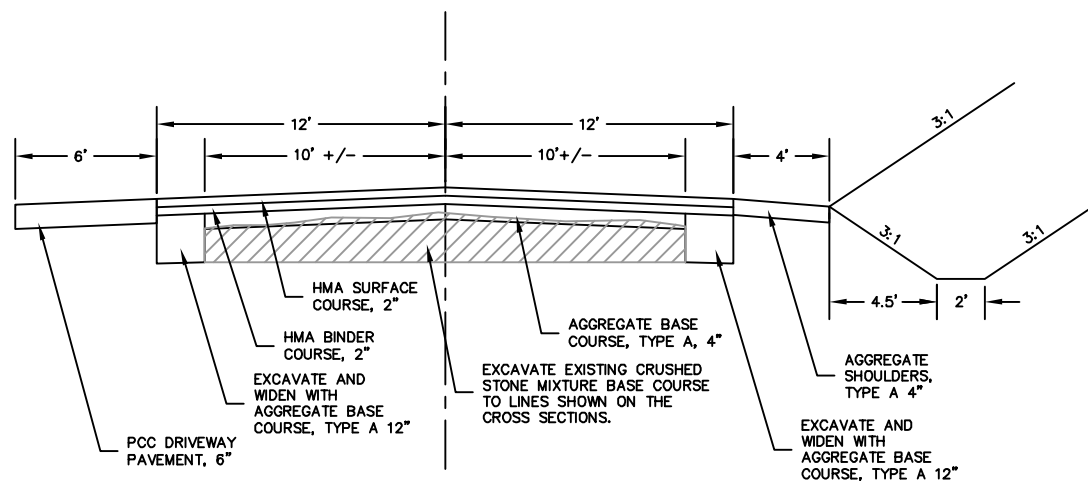
△ SPECIALTY ITEMS
0042

JOHN H. CRAWFORD & ASSOCIATES, P.C. CIVIL ENGINEERS, LAND SURVEYORS 201 SOUTH BLOSSOM STREET, GAITHERSBURG, ILLINOIS 60141 PHONE (815) 465-4273 FAX (815) 465-4282 PROFESSIONAL DESIGN FIRM #184-02188	DESIGNED -- JHC	SUBMITTAL -- 08/16/21	WASTENA STREET CITY OF BENTON, IL STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS, DETAILS & QUANTITIES WASTENA STREET		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	DRAWN -- JHC	SUBMITTAL -- 03/30/22				9450	11-00064-00-FP	FRANKLIN	63	2	
	CHECKED -- RLP	REVISED -- 09/12/22		SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.		CONTRACT NO. 99671		STATE JOB NO. C-99-508-17		FED. AID PROJECT 4CA(82)	
	DATE -- 03/09/20	REVISED --									

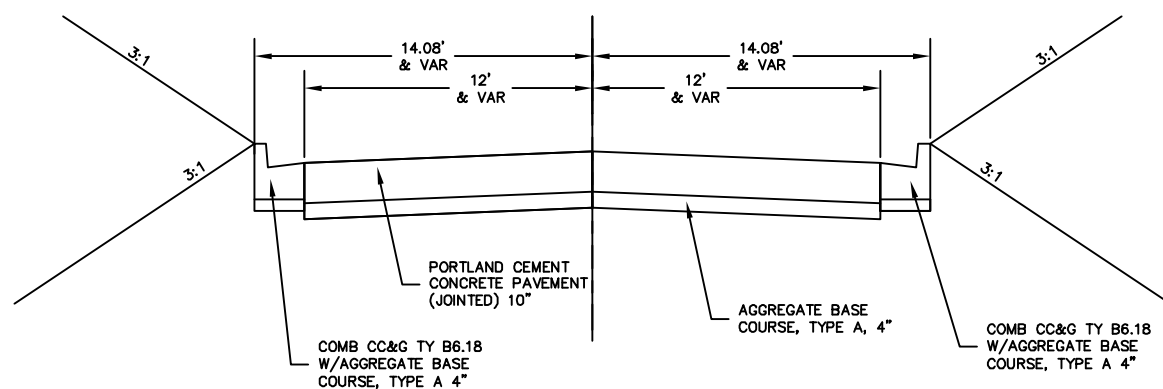
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TYPICAL SECTION
 STA 13+00.00 TO STA 13+49.62
 STA 13+63.61-14+25.00



TYPICAL SECTION
 STA 11+27.61 TO STA 13+00.00
 STA 14+25.00-25+80.00



TYPICAL SECTION
 STA 10+50.00 TO STA 11+27.51
 STA 38+00.00 TO STA 38+94.10

Holcomb Foundation Engineering Company
 Pavement Measurements

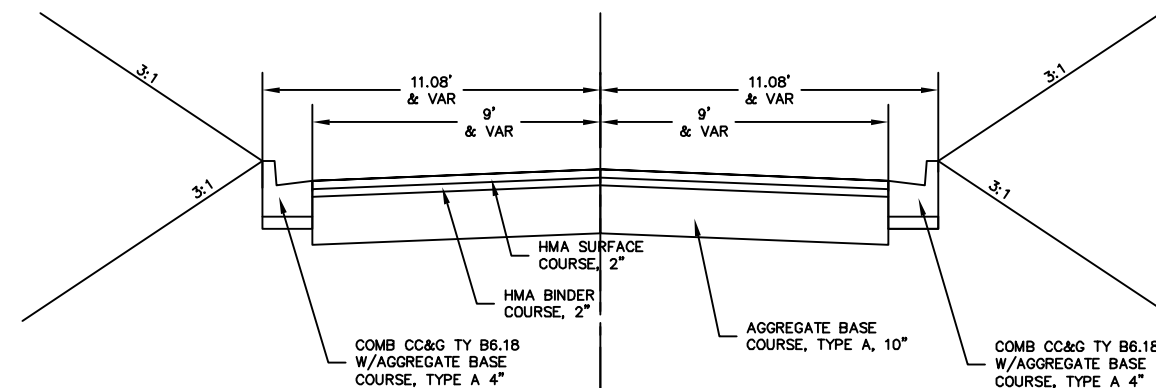
12/19/2016

Project: Wastena Street Improvements
 Project No: H-16245
 Location: Benton, Illinois

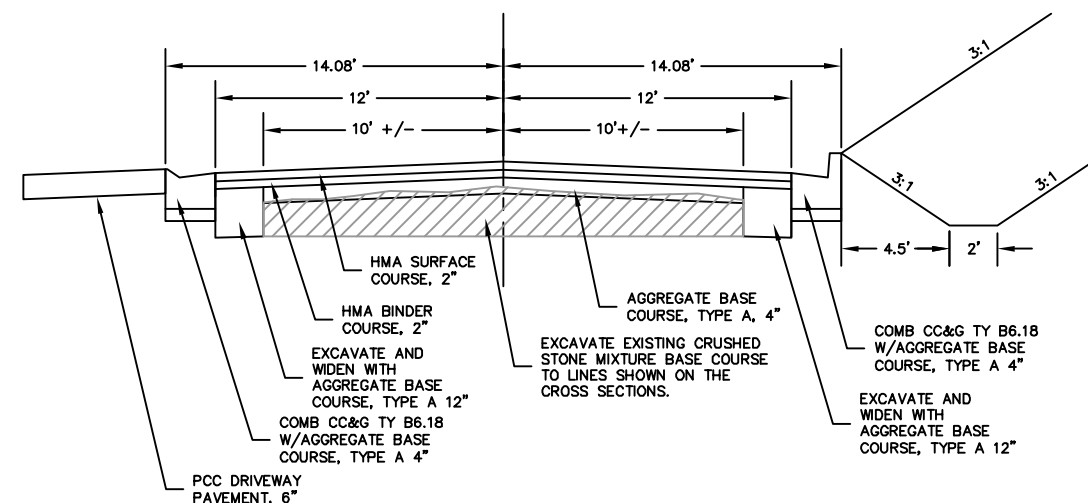
Boring No.	A-3 Surface Thickness (in.)	Crushed Stone Thickness (in.)	Split Spoon Data N (1'-3', 3'-5')	QU (tsf) (1'-3', 3'-5')	MC (%) (1'-3', 3'-5')	Subgrade Soil Classification
1	1.5	10.0	11,10	1.5,1.6	20.21	Silly CLAY
2	1.75	14.75	8,0	0.2,0.2	23.27	Silly CLAY
3	1.5	16.0	9,11	2.8,2.2	18.20	Silly CLAY
4	1.25	12.25	6,10	1.0,1.3	25.28	Silly CLAY
5	1.75	8.25	7,8	1.3,1.7	29.21	Silly CLAY

ALIGNMENT	STA	OFFSET	BORING
WAS CL	14+81	6' R	BORING 1
	20+27	2' L	BORING 2
	26+20	6' R	BORING 3
	30+11	4' R	BORING 4
	35+44	1' R	BORING 5

SOIL BORINGS

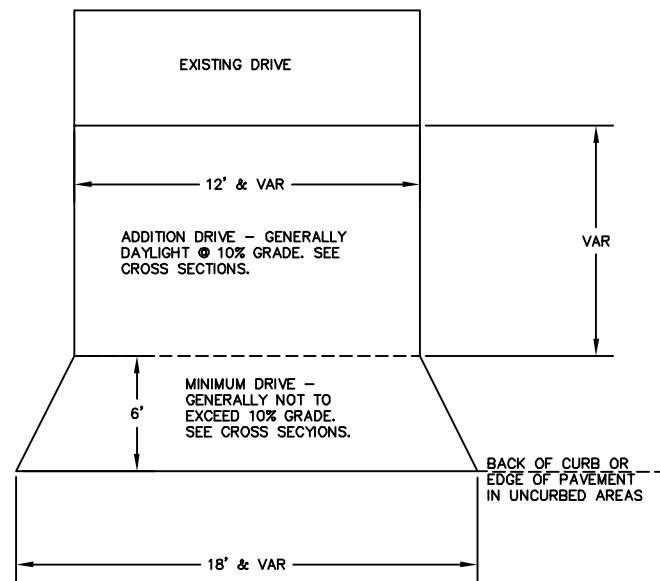


TYPICAL SECTION
 SIDE ROADS

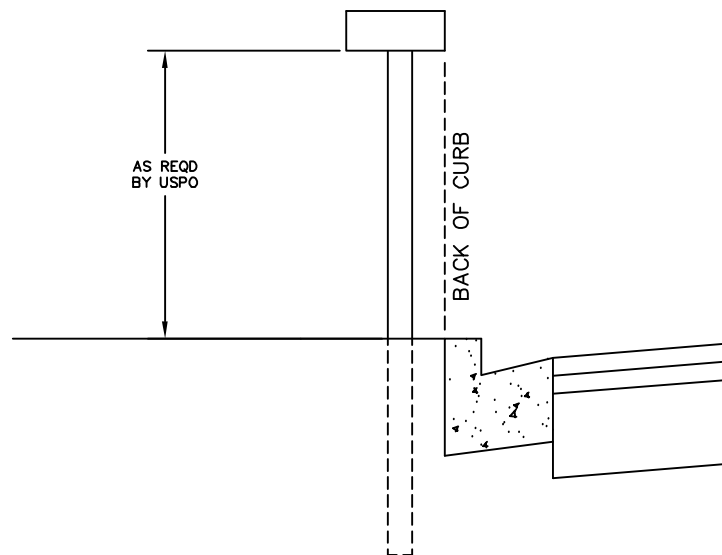


TYPICAL SECTION
 STA 25+80.00 TO STA 38+00.00

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TYPICAL DRIVEWAY APPROACH



MAILBOX RELOCATION

HIGHWAY STANDARDS

TEMPORARY EROSION CONTROL SYSTEMS
 PAVEMENT JOINTS
 24' (7.2 M) JOINTED PCC PAVEMENT
 PRECAST REINFORCED CONCRETE ELLIPTICAL FLARED END SECTION
 INLET - TYPE A
 INLET - TYPE B
 MANHOLE TYPE A
 PRECAST REINFORCED CONCRETE FLAT SLAB TOP
 FRAME AND LIDS TYPE 1
 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
 OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5M) AWAY
 OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 M) TO 24' 600 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
 SIGN PANEL ERECTION DETAILS
 METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS
 TYPICAL PAVEMENT MARKINGS
 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

STANDARD 280001-07
 STANDARD 420001-10
 STANDARD 420101-07
 STANDARD 542306-03
 STANDARD 602301-04
 STANDARD 602306-03
 STANDARD 602401-07
 STANDARD 602601-06
 STANDARD 604001-05
 STANDARD 606001-08
 STANDARD 701001-02
 STANDARD 701006-05
 STANDARD 701011-04
 STANDARD 701201-05
 STANDARD 701301-04
 STANDARD 701306-04
 STANDARD 701501-06
 STANDARD 701901-08
 STANDARD 720006-04
 STANDARD 720011-01
 STANDARD 780001-05
 STANDARD 781001-04

BITUMINOUS CONCRETE MIXTURE REQUIREMENTS

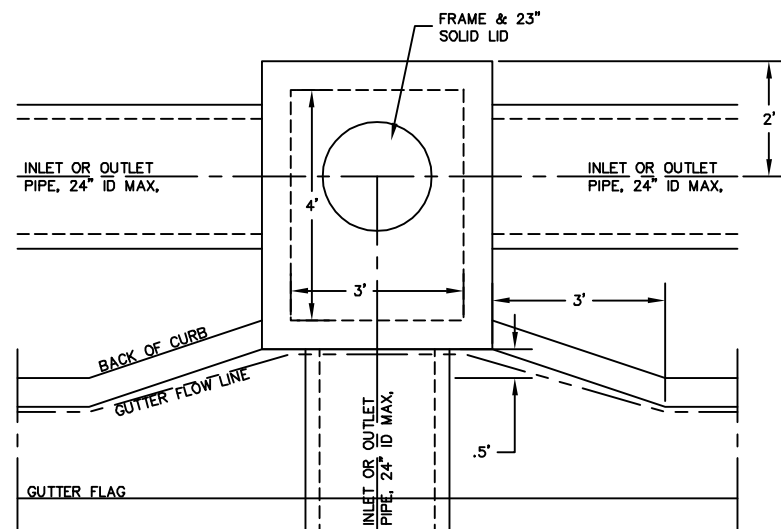
LOCATION: HOT-MIX ASPHALT SURFACE COURSE
 MIXTURE USE: HOT MIX ASPHALT
 AC/PG: PG 64-22
 RAP% (MAX): 10%
 DESIGN AIR VOIDS: 4.0%, 70 GYRATION SUPERPAVE DESIGN
 MIXTURE COMPOSITION: IL-9.5 MM OR IL-12.5 MM (GRADATION MIXTURE)

FRICION AGGREGATE "C" SURFACE

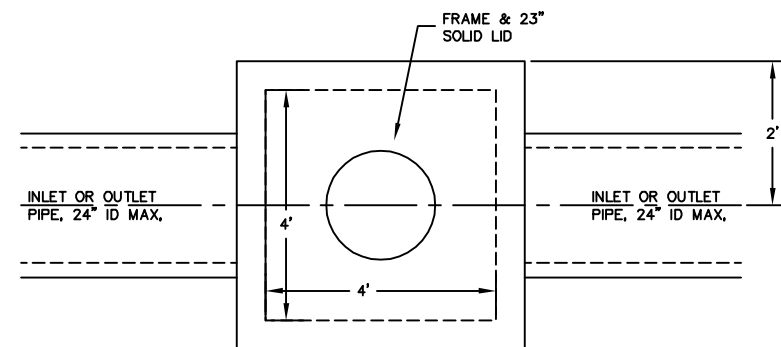
LOCATION: HOT-MIX ASPHALT BINDER COURSE
 MIXTURE USE: HOT MIX ASPHALT
 AC/PG: PG 64-22
 RAP% (MAX): 10%
 DESIGN AIR VOIDS: 4.0%, 70 GYRATION SUPERPAVE DESIGN
 MIXTURE COMPOSITION: IL-19.0 MM (GRADATION MIXTURE)

COMMITMENTS

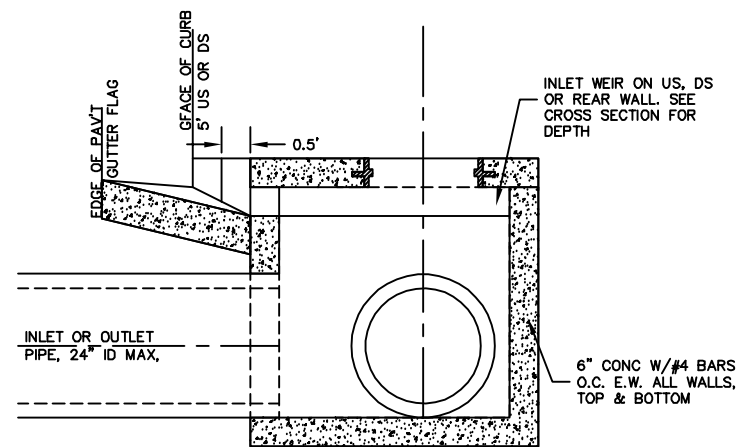
- 1 PROTECT MAGNOLIA TREE AT 10+72.36, 45.56' LT.
- 2 REMOVE SWEETGUM TREE AT 10+60.33, 83.43' LT.
- 3 REMOVE TREE AT 36+08.73, 52.47' RT.



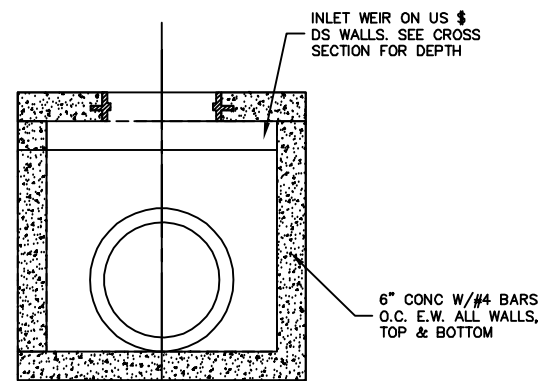
PLAN OF INLETS SPL N1 (CI-X)



PLAN OF INLETS SPL N2 (DI-X)



SECTION THRU INLETS SPL N1 (CI-X)



SECTION THRU INLETS SPL N2 (DI-X)

JOHN H. CRAWFORD & ASSOCIATES, P.C.
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 201 SOUTH DIVISION STREET, CARTEVILLE, ILLINOIS 62919
 PHONE (618) 985-6370 FAX (618) 985-6592
 PROFESSIONAL DESIGN FIRM # 184-002895

DESIGNED - JHC
 DRAWN - JHC
 CHECKED - RLP
 DATE - 03/09/20

SUBMITTAL - 08/16/21
 SUBMITTAL - 03/30/22 REV 2
 REVISED - 09/12/22
 REVISED -

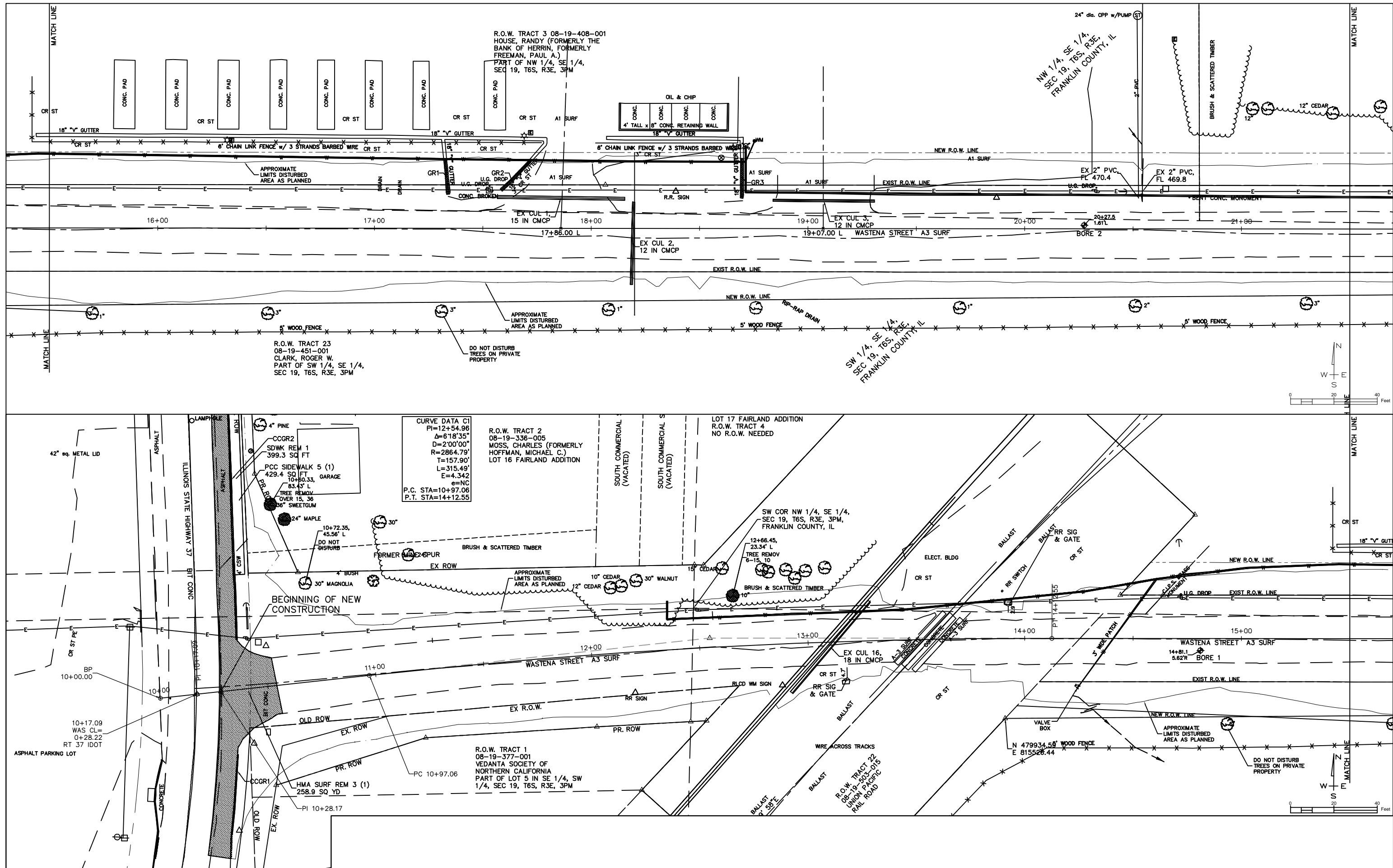
WASTENA STREET
 CITY OF BENTON, IL
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS, DETAILS & QUANTITIES
 WASTENA STREET

SCALE: BAR SCALE SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9450	11-00064-00-FP	FRANKLIN	63	3
STATE JOB NO. C-99-508-17			FED. AID PROJECT 4CAG(821)	

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 201 SOUTH DIVISION STREET, CARLEVILLE, ILLINOIS 62919
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 PROFESSIONAL DESIGN FIRM # 184-002895

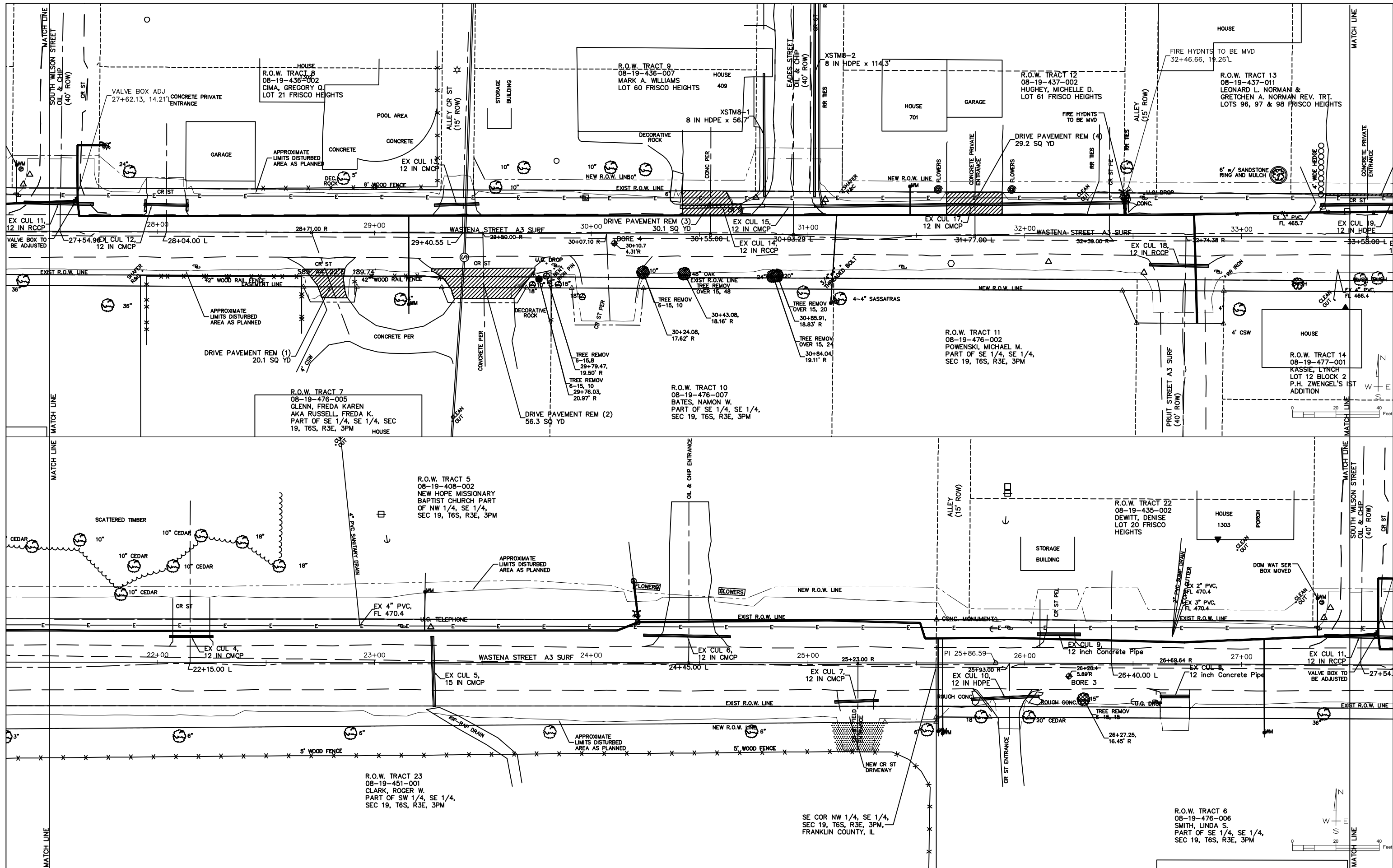
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PLOT SCALE =	DRAWN - JHC	REVISED - 02/15/22
PLOT DATE =	CHECKED - RLP	SUBMITTAL - 03/30/22
	DATE - 03/09/20	REVISED - 08/05/22

**CITY OF BENTON
 FRANKLIN COUNTY, IL
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DEMOLITION WASTENA STREET
 SCALE: BAR SCALE SHEET 1 OF 3 SHEETS STA. 10+00.00 TO STA. 21+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9450	11-00064-00-FP	FRANKLIN	63	4
STATE JOB NO. C-99-508-17 FED. AID PROJECT 4CAG(821)				

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JOHN H. CRAWFORD & ASSOCIATES, P.C.
 CIVIL ENGINEERS, LAND SURVEYORS
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 PHONE (618) 985-6370 FAX (618) 985-6392
 PROFESSIONAL DESIGN FIRM # 184-002895

USER NAME =	DESIGNED - JHC	SUBMITTAL - 08/16/21
PLOT SCALE =	DRAWN - JHC	REVISED - 02/15/22
PLOT DATE =	CHECKED - RLP	SUBMITTAL - 03/30/22
	DATE - 03/09/20	REVISED - 08/05/22

**CITY OF BENTON
 FRANKLIN COUNTY, IL
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DEMOLITION WASTENA STREET
 SCALE: BAR SCALE SHEET 2 OF 3 SHEETS STA. 21+50.00 TO STA. 33+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9450	11-00064-00-FP	FRANKLIN	63	5
STATE JOB NO. C-99-508-17 FED. AID PROJECT 4CA(821)				

TREE REMOVAL	STA	OFFSET	TREE REMOVAL	
ALIGNMENT			6 TO 15 IN	OVER 15 IN
WAS CL	10+60.33	83.43 L		36
	12+66.45	23.34 L	10	
	26+27.75	16.45 R	15	
	30+24.08	17.62 R	10	
	30+45.08	18.16 R		40
	30+84.04	19.11 R		24
	30+85.91	18.83 R		20
	36+06.12	19.92 R		30
	36+08.73	52.47 R		60
	26+30.12	19.34 R		30
	29+76.03	20.97 R	10	
	29+79.47	19.50 R	8	
	36+53.12	17.77 R		42
	38+37.92	22.18 L	6	
	TOTAL			59

SIDEWALK REMOVAL	
NAME	AREA
1	399.3 SQ FT
TOTAL	399.3 SQ FT

HOT MIX ASPHALT SURFACE REMOVAL 3"	
NAME	AREA
HMA SURF REM 3 (1)	258.9 SQ YD
HMA SURF REM 3 (2)	71.7 SQ YD
TOTAL	330.6 SQ YD

DRIVEWAY PAVEMENT REMOVAL	
NAME	AREA
DRIVE PAVEMENT REM (1)	20.1 SQ YD
DRIVE PAVEMENT REM (2)	56.3 SQ YD
DRIVE PAVEMENT REM (3)	30.1 SQ YD
DRIVE PAVEMENT REM (4)	29.2 SQ YD
DRIVE PAVEMENT REM (5)	3.4 SQ YD
DRIVE PAVEMENT REM (6)	44.0 SQ YD
DRIVE PAVEMENT REM (7)	15.2 SQ YD
TOTAL	198.3 SQ YD

STORM SEWER REMOVAL			
NAME	SIZE	MATERIAL	LENGTH
STORM SEWER REM 15 (XSTM15-1)	15"	RCCP	43.4
STORM SEWER REM 15 (XSTM15-2)	15"	RCCP	22.0
TOTAL			65.4

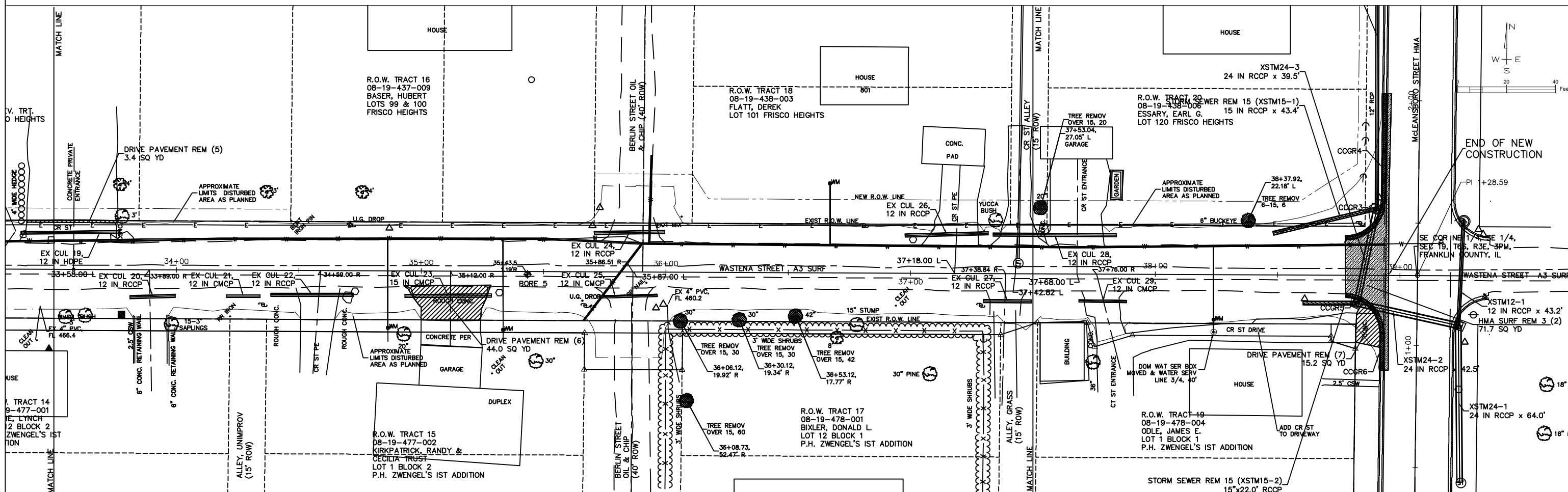
CULVERT REMOVAL		
NAME	SIZE	LENGTH
EX CUL 1	15"	58.8
EX CUL 2	12"	38.0
EX CUL 3	12"	46.7
EX CUL 4	12"	19.9
EX CUL 5	15"	32.3
EX CUL 6	12"	40.1
EX CUL 7	12"	20.1
EX CUL 8	12"	13.5
EX CUL 9	12"	19.9
EX CUL 10	12"	31.3
EX CUL 11	12"	32.0
EX CUL 12	12"	20.4
EX CUL 13	12"	20.6
EX CUL 14	12"	39.0
EX CUL 15	12"	23.0

CULVERT REMOVAL		
NAME	SIZE	LENGTH
EX CUL 16	18"	55.2
EX CUL 17	12"	144.9
EX CUL 18	12"	27.3
EX CUL 19	12"	40.5
EX CUL 20	12"	18.6
EX CUL 21	12"	13.8
EX CUL 22	12"	33.8
EX CUL 23	15"	35.2
EX CUL 24	12"	28.8
EX CUL 25	12"	23.6
EX CUL 26	12"	33.9
EX CUL 27	12"	19.6
EX CUL 28	12"	50.5
EX CUL 29	12"	19.5
TOTAL		1000.8

COM CURB GUTTER REM (TANGENT)	
LINE	LENGTH
CCGR1	48.1'
CCGR2	110.0'
CCGR4	24.0'
CCGR6	15.1'
TOTAL	197.2

COM CURB GUTTER REM (CURVE)		
CURVE	RADIUS	LENGTH
CCGR3	14.50'	22.8'
CCGR5	14.50'	22.4'
TOTAL		45.2

GUTTER REM	
LINE	LENGTH
GR1	15.5'
GR2	18.5'
GR3	18.1'
TOTAL	52.1



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 PROFESSIONAL DESIGN FIRM # 184-002895

USER NAME =	DESIGNED - JHC	SUBMITTAL - 08/16/21
PLOT SCALE =	DRAWN - JHC	REVISED - 02/15/22
PLOT DATE =	CHECKED - RLP	SUBMITTAL - 03/30/22
	DATE - 03/09/20	REVISED - 08/05/22

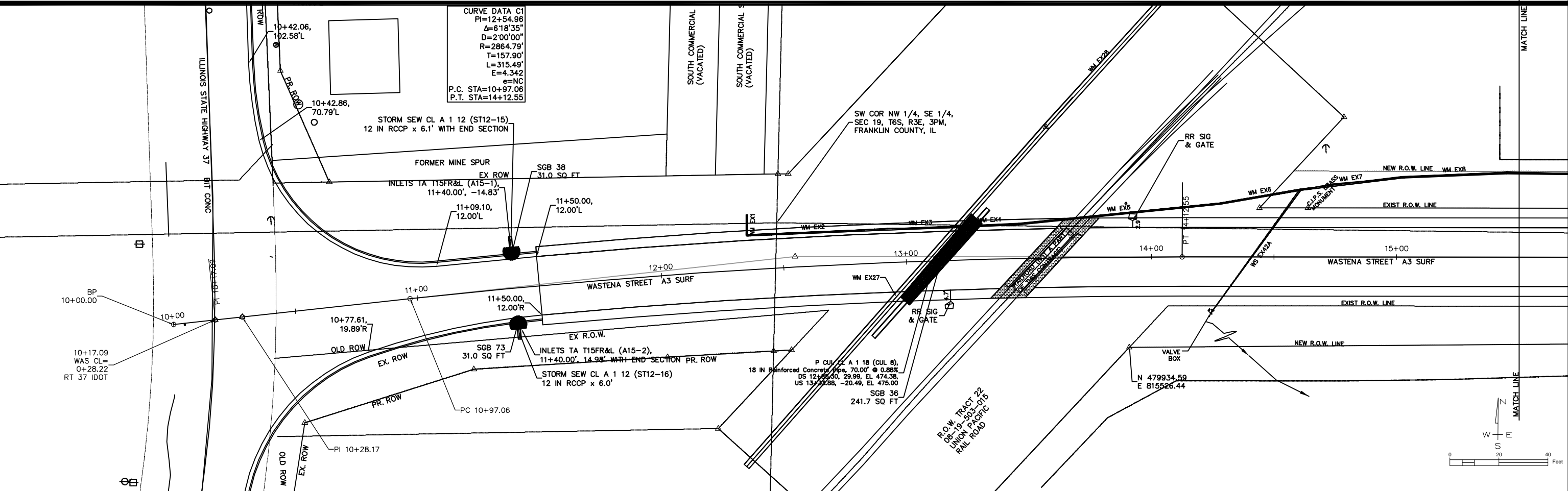
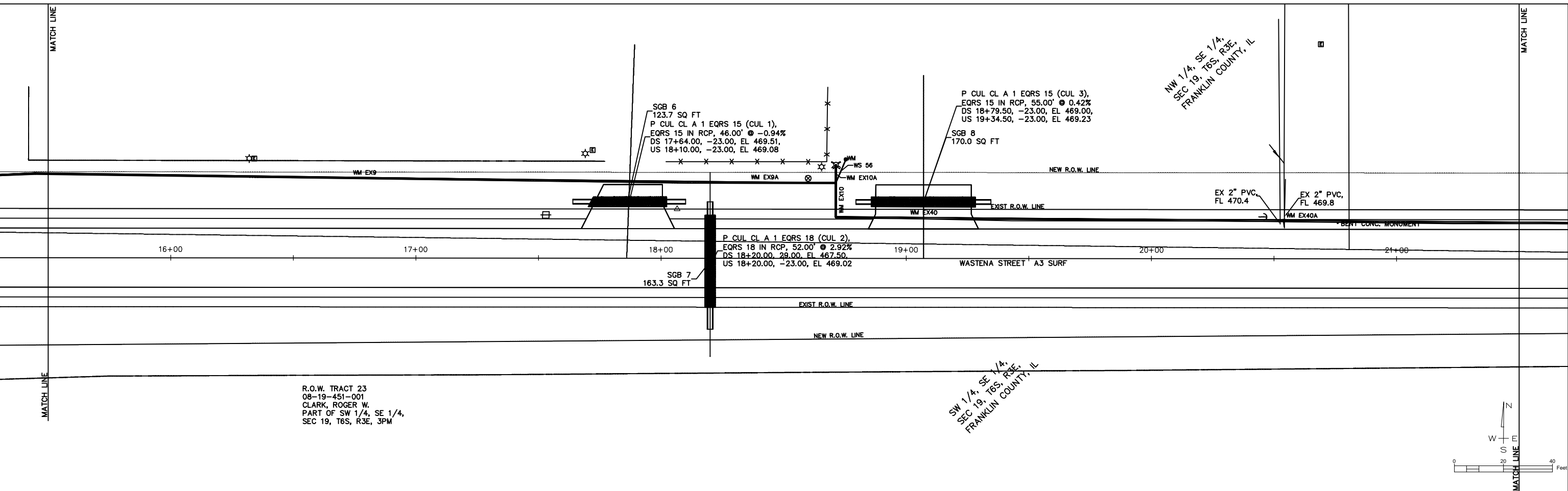
CITY OF BENTON
 FRANKLIN COUNTY, IL
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DEMOLITION WASTENA STREET
 SCALE: BAR SCALE SHEET 3 OF 3 SHEETS STA. 33+50.00 TO STA. 39+00.00

F.A.U. RTE. 9450	SECTION 11-00064-00-FP	COUNTY FRANKLIN	TOTAL SHEETS 63	SHEET NO. 6
STATE JOB NO. C-99-508-17		FED. AID PROJECT 4CA(821)		

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 PHONE (618) 385-6370 FAX (618) 385-6392
 PROFESSIONAL DESIGN FIRM # 184-002895

USER NAME =	DESIGNED - JHC	SUBMITTAL - 08/16/21
PLOT SCALE =	DRAWN - JHC	SUBMITTAL - 03/30/22 REV
PLOT DATE =	CHECKED - RLP	REVISED -
	DATE - 03/09/20	REVISED -

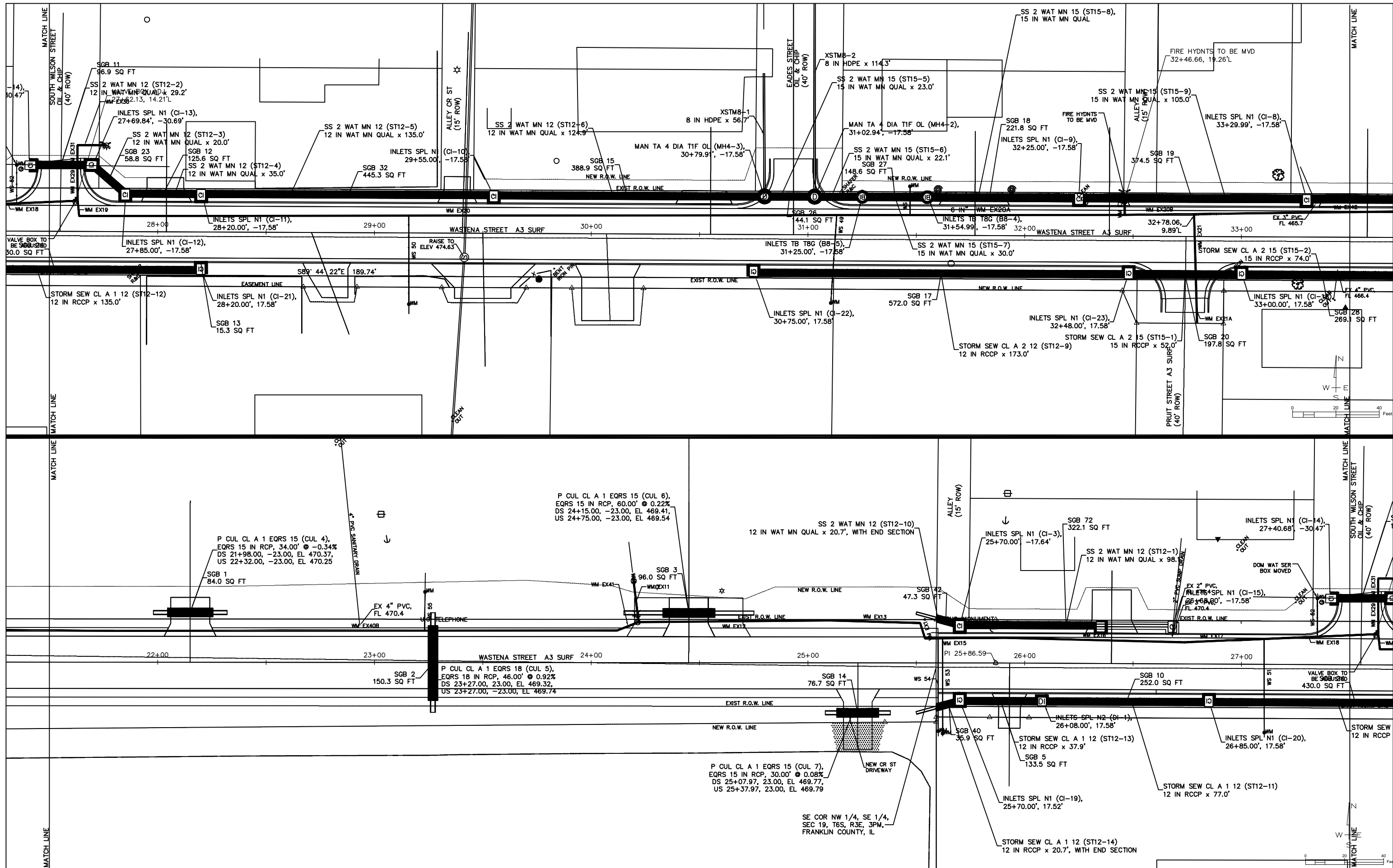
**CITY OF BENTON
 FRANKLIN COUNTY, IL
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CULVERT & STORM SEWER PLANS
 WASTENA STREET**

SCALE: BAR SCALE SHEET 1 OF 4 SHEETS STA. 10+00.00 TO STA. 21+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9450	11-00064-00-FP	FRANKLIN	63	7
CONTRACT NO. 99671				
STATE JOB NO. C-99-508-17		FED. AID PROJECT 4CA(821)		

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JOHN H. CRAWFORD & ASSOCIATES, P.C.
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 201 SOUTH DIVISION STREET, CARTERSVILLE, ILLINOIS 62919
 PHONE (618) 985-6370 FAX (618) 985-6592
 PROFESSIONAL DESIGN FIRM # 184-002895

USER NAME =	DESIGNED - JHC	SUBMITTAL - 08/16/21
PLOT SCALE =	DRAWN - JHC	SUBMITTAL - 03/30/22 REV 1
PLOT DATE =	CHECKED - RLP	REVISED -
	DATE - 03/09/20	REVISED -

**CITY OF BENTON
 FRANKLIN COUNTY, IL
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CULVERT & STORM SEWER PLANS
 WASTENA STREET**

SCALE: BAR SCALE SHEET 2 OF 4 SHEETS STA. 21+50.00 TO STA. 33+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9450	11-00064-00-FP	FRANKLIN	63	8
STATE JOB NO. C-99-508-17			FED. AID PROJECT 4CA(821)	

PIPE CULVERTS (INCLUDES END SECTIONS)			
NAME	SIZE/MATERIAL	LENGTH	SLOPE
P CUL CL A 1 18 (CUL 8)	18 IN RCCP	70.00'	0.88%
P CUL CL A 1 EQRS 15 (CUL 1)	EQRS 15 IN RCP	46.00'	-0.94%
P CUL CL A 1 EQRS 15 (CUL 3)	EQRS 15 IN RCP	55.00'	0.42%
P CUL CL A 1 EQRS 15 (CUL 4)	EQRS 15 IN RCP	34.00'	-0.34%
P CUL CL A 1 EQRS 15 (CUL 6)	EQRS 15 IN RCP	60.00'	0.22%
P CUL CL A 1 EQRS 15 (CUL 7)	EQRS 15 IN RCP	30.00'	0.08%
P CUL CL A 1 EQRS 18 (CUL 2)	EQRS 18 IN RCP	52.00'	2.92%
P CUL CL A 1 EQRS 18 (CUL 5)	EQRS 18 IN RCP	46.00'	0.92%
ITEM	SIZE	PIPE	END SECTION
P CUL CL A 1 EQRS 15 (TOTAL)	EQRS 15 IN RCP	165.00'	10
P CUL CL A 1 EQRS 18 (TOTAL)	EQRS 18 IN RCP	74.00	4
P CUL CL A 1 18 (TOTAL)	18 IN RCCP	58.00'	2

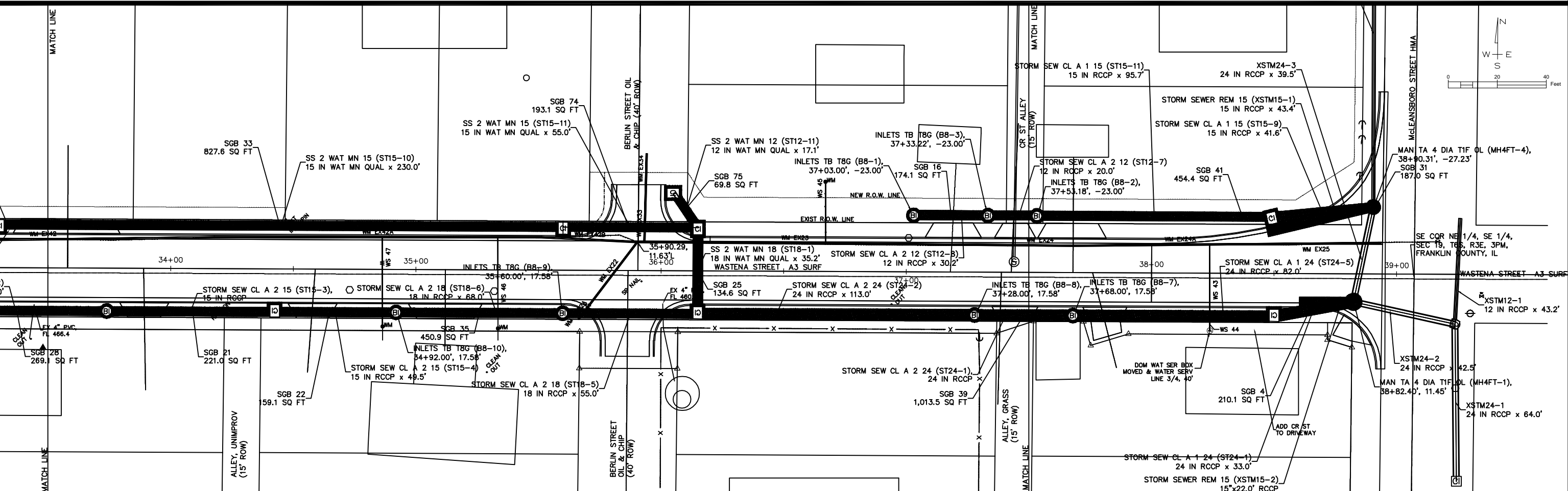
STORM SEWER TOTALS - END SECTIONS INCLUDED IN LENGTH				
STORM SEW CL A 1 12 (TOTAL)	12"	RCCP	282.83	3
STORM SEW CL A 1 15 (TOTAL)	15"	RCCP	137.35	
STORM SEW CL A 1 24 (TOTAL)	24"	RCCP	153.00'	
STORM SEW CL A 2 12 (TOTAL)	12"	RCCP	223.18'	1
STORM SEW CL A 2 15 (TOTAL)	15"	RCCP	244.00'	
STORM SEW CL A 2 18 (TOTAL)	18"	RCCP	123.00'	
STORM SEW CL A 2 24 (TOTAL)	24"	RCCP	153.00'	
SS 2 WAT MN 12 (TOTAL)	12"	WAT MN QUAL	479.99'	
SS 2 WAT MN 15 (TOTAL)	15"	WAT MN QUAL	535.09'	
SS 2 WAT MN 18 (TOTAL)	18"	WAT MN QUAL	35.17'	

STORM SEWER				
NAME	SIZE	MATERIAL	LENGTH	SLOPE
SS 2 WAT MN 12 (ST12-1)	12"	12 IN WAT MN QUAL	98.06'	-0.17%
SS 2 WAT MN 12 (ST12-2)	12"	12 IN WAT MN QUAL	29.16'	-0.30%
SS 2 WAT MN 12 (ST12-3)	12"	12 IN WAT MN QUAL	20.04'	-0.30%
SS 2 WAT MN 12 (ST12-4)	12"	12 IN WAT MN QUAL	35.00'	-0.30%
SS 2 WAT MN 12 (ST12-5)	12"	12 IN WAT MN QUAL	135.00'	-0.30%
SS 2 WAT MN 12 (ST12-6)	12"	12 IN WAT MN QUAL	124.91'	-0.37%
SS 2 WAT MN 12 (ST12-10)	12"	12 IN WAT MN QUAL	20.73'	0.25%
SS 2 WAT MN 12 (ST12-11)	12"	12 IN WAT MN QUAL	17.09'	-0.53%
SS 2 WAT MN 15 (ST15-5)	15"	15 IN WAT MN QUAL	23.03'	-0.53%
SS 2 WAT MN 15 (ST15-6)	15"	15 IN WAT MN QUAL	22.06'	-0.81%
SS 2 WAT MN 15 (ST15-7)	15"	15 IN WAT MN QUAL	29.99'	-0.80%
SS 2 WAT MN 15 (ST15-8)	15"	15 IN WAT MN QUAL	70.01'	-0.81%
SS 2 WAT MN 15 (ST15-9)	15"	15 IN WAT MN QUAL	105.00'	-3.07%
SS 2 WAT MN 15 (ST15-10)	15"	15 IN WAT MN QUAL	230.00'	-2.96%
SS 2 WAT MN 15 (ST15-11)	15"	15 IN WAT MN QUAL	55.00'	-0.42%
SS 2 WAT MN 18 (ST18-1)	18"	18 IN WAT MN QUAL	35.17'	0.98%
STORM SEW CL A 1 12 (ST12-11)	12"	12 IN RCCP	77.00'	0.64%
STORM SEW CL A 1 12 (ST12-12)	12"	12 IN RCCP	135.00'	0.25%
STORM SEW CL A 1 12 (ST12-13)	12"	12 IN RCCP	37.94'	0.10%
STORM SEW CL A 1 12 (ST12-14)	12"	12 IN RCCP	20.74'	0.10%
STORM SEW CL A 1 12 (ST12-15)	12"	12 IN RCCP	6.15'	4.42%
STORM SEW CL A 1 12 (ST12-16)	12"	12 IN RCCP	6.00'	7.01%

STORM SEWER				
NAME	SIZE	MATERIAL	LENGTH	SLOPE
STORM SEW CL A 1 15 (ST15-9)	15"	15 IN RCCP	41.65'	-0.29%
STORM SEW CL A 1 15 (ST15-11)	15"	15 IN RCCP	95.70'	-0.29%
STORM SEW CL A 1 24 (ST24-1)	24"	24 IN RCCP	32.98'	0.76%
STORM SEW CL A 1 24 (ST24-5)	24"	24 IN RCCP	82.00'	-0.58%
STORM SEW CL A 2 12 (ST12-7)	12"	12 IN RCCP	19.96'	-0.29%
STORM SEW CL A 2 12 (ST12-8)	12"	12 IN RCCP	30.22'	-0.29%
STORM SEW CL A 2 12 (ST12-9)	12"	12 IN RCCP	173.00'	-0.41%
STORM SEW CL A 2 15 (ST15-1)	15"	15 IN RCCP	52.00'	-3.21%
STORM SEW CL A 2 15 (ST15-2)	15"	15 IN RCCP	74.00'	-3.49%
STORM SEW CL A 2 15 (ST15-3)	15"	15 IN RCCP	68.50'	-3.52%
STORM SEW CL A 2 15 (ST15-4)	15"	15 IN RCCP	49.50'	-3.46%
STORM SEW CL A 2 18 (ST18-5)	18"	18 IN RCCP	55.00'	-1.66%
STORM SEW CL A 2 18 (ST18-6)	18"	18 IN RCCP	68.00'	-1.64%
STORM SEW CL A 2 24 (ST24-1)	24"	24 IN RCCP	40.00'	-0.58%
STORM SEW CL A 2 24 (ST24-2)	24"	24 IN RCCP	113.00'	-0.58%

TRENCH BACKFILL	STA	AREA	DEPTH	VOLUME
LOCATION		SQ FT	FT	CU YD
TRENCH BACKFILL 1	22+15 L	84.0	2.0	6.2
TRENCH BACKFILL 2	23+27 R+L	150.0	2.0	11.1
TRENCH BACKFILL 3	24+45 L	96.0	2.0	7.1
TRENCH BACKFILL 4	25+70 L	12.0	2.0	0.9
TRENCH BACKFILL 5	25+89 R	133.0	2.0	9.9
TRENCH BACKFILL 6	17+88 L	124.0	2.0	9.2
TRENCH BACKFILL 7	18+20 R+L	163.0	2.0	12.1
TRENCH BACKFILL 8	19+07 L	170.0	2.0	12.6
TRENCH BACKFILL 9				
TRENCH BACKFILL 10	26+50 R	252.0	2.5	23.3
TRENCH BACKFILL 11	27+55 L	97.0	5.5	19.8
TRENCH BACKFILL 12	28+03 L	126.0	6.0	28.0
TRENCH BACKFILL 13	28+20 R	153.0	2.2	12.5
TRENCH BACKFILL 14	25+23 R	77.0	2.0	5.7
TRENCH BACKFILL 15	30+15 L	389.0	7.0	100.9
TRENCH BACKFILL 16	37+16 L	174.0	5.0	32.2
TRENCH BACKFILL 17	31+61 R	572.0	6.0	127.1
TRENCH BACKFILL 18	31+90 L	222.0	5.9	48.5
TRENCH BACKFILL 19	32+77 L	375.0	5.4	75.0
TRENCH BACKFILL 20	32+74 R	198.0	6.0	44.0
TRENCH BACKFILL 21	34+10 R	22.0	5.8	4.7
TRENCH BACKFILL 22	34+65 R	59.0	5.1	11.1
TRENCH BACKFILL 23	27+76 L	59.0	5.8	12.7
TRENCH BACKFILL 24	24+47 L	430.0	2.0	31.9

TRENCH BACKFILL	STA	AREA	DEPTH	VOLUME
LOCATION		SQ FT	FT	CU YD
TRENCH BACKFILL 25	36+15 L	135.0	5.9	29.5
TRENCH BACKFILL 26	30+9 R	144.0	6.8	38.3
TRENCH BACKFILL 27	31+39 L	149.0	6.5	35.9
TRENCH BACKFILL 28	37+44 L	269.0	4.9	48.8
TRENCH BACKFILL 29				
TRENCH BACKFILL 30				
TRENCH BACKFILL 31	38+68 L	187.0	3.0	20.8
TRENCH BACKFILL 32	38+88 L	945.0	3.0	105.0
TRENCH BACKFILL 33	34+45 L	827.0	5.0	153.1
TRENCH BACKFILL 34				
TRENCH BACKFILL 35	35+26 L	451.0	5.5	91.9
TRENCH BACKFILL 36	13+15	242.0	3.5	31.4
TRENCH BACKFILL 37				
TRENCH BACKFILL 38	1+40 R	31.0	3.5	4.0
TRENCH BACKFILL 39	37+48 R	1014.0	4.0	150.2
TRENCH BACKFILL 40	25+63 R	36.0	3.5	4.7
TRENCH BACKFILL 41	38+20 L	451.0	4.0	68.8
TRENCH BACKFILL 42	25+63 L	49.0	3.5	6.4
TRENCH BACKFILL 43	28+20 L	322.1	4.0	47.7
TRENCH BACKFILL 44	11+40 R	31.0	3.5	4.0
TRENCH BACKFILL 45	36+85 L	193.1	3.5	25.0
TRENCH BACKFILL 46	36+10 R	69.8	3.0	7.8
SCATTERED SREAS	MISC			56.5
WATERMAIN REPAIRS	MISC			120.0
CULVERT REMOVAL	MISC	2836.8	3.5	387.7
TOTAL		12519.8		2060.0



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 PROFESSIONAL DESIGN FIRM # 184-02895

USER NAME =	DESIGNED - JHC	SUBMITTAL - 08/16/21
PLOT SCALE =	DRAWN - JHC	SUBMITTAL - 03/30/22 REV 1
PLOT DATE =	CHECKED - RLP	REVISED - 08/05/22
	DATE - 03/09/20	REVISED -

CITY OF BENTON
 FRANKLIN COUNTY, IL
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CULVERT & STORM SEWER PLANS
 WASTENA STREET
 SCALE: BAR SCALE SHEET 3 OF 4 SHEETS STA. 33+50.00 TO STA. 39+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9450	11-00064-00-FP	FRANKLIN	63	9
STATE JOB NO. C-99-508-17		FED. AID PROJECT 4CA(821)		

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INLETS TB T8G TABLE				
STRUCTURE	LOCATION	DETAILS	PIPES IN	PIPES OUT
INLETS TB T8G (B8-1)	WAS CL 37+03.00 -23.00	ID 36" TC 458.73 INV IN 454.14	STORM SEW CL A 2 12 (ST12-8), 12" INV IN 454.14	
INLETS TB T8G (B8-2)	WAS CL 37+53.18 -23.00	ID 36" TC 458.58 INV IN 453.75 INV IN 454.00	STORM SEW CL A 1 15 (ST15-11), 15" INV IN 453.75 STORM SEW CL A 2 12 (ST12-7), 12" INV IN 454.00	
INLETS TB T8G (B8-3)	WAS CL 37+33.22 -23.00	ID 36" TC 458.14 INV IN 454.05 INV IN 454.05	STORM SEW CL A 2 12 (ST12-7), 12" INV IN 454.05 STORM SEW CL A 2 12 (ST12-8), 12" INV IN 454.05	
INLETS TB T8G (B8-4)	WAS CL 31+54.99 -17.58	ID 36" TC 472.02 INV IN 465.50 INV IN 465.50	SS 2 WAT MN 15 (ST15-8), 15" INV IN 465.50 SS 2 WAT MN 15 (ST15-7), 15" INV IN 465.50	
INLETS TB T8G (B8-5)	WAS CL 31+25.00 -17.58	ID 36" TC 472.66 INV IN 465.74 INV IN 465.74	SS 2 WAT MN 15 (ST15-7), 15" INV IN 465.74 SS 2 WAT MN 15 (ST15-6), 15" INV IN 465.74	
INLETS TB T8G (B8-7)	WAS CL 37+68.00 17.58	ID 36" TC 457.98 INV IN 453.12 INV IN 453.12	STORM SEW CL A 1 24 (ST24-5), 24" INV IN 453.12 STORM SEW CL A 2 24 (ST24-1), 24" INV IN 453.12	
INLETS TB T8G (B8-8)	WAS CL 37+28.00 17.58	ID 36" TC 458.87 INV IN 453.36 INV IN 453.36	STORM SEW CL A 2 24 (ST24-1), 24" INV IN 453.36 STORM SEW CL A 2 24 (ST24-2), 24" INV IN 453.36	
INLETS TB T8G (B8-9)	WAS CL 35+60.00 17.58	ID 36" TC 460.88 INV IN 455.42 INV IN 455.42	STORM SEW CL A 2 18 (ST18-5), 18" INV IN 455.42 STORM SEW CL A 2 18 (ST18-6), 18" INV IN 455.42	
INLETS TB T8G (B8-10)	WAS CL 34+92.00 17.58	ID 36" TC 462.33 INV IN 456.54 INV IN 456.79	STORM SEW CL A 2 18 (ST18-6), 18" INV IN 456.54 STORM SEW CL A 2 15 (ST15-4), 15" INV IN 456.79	
INLETS TB T8G (B8-11)	WAS CL 33+74.00 17.58	ID 36" TC 466.70 INV IN 460.91 INV OUT 460.91	STORM SEW CL A 2 15 (ST15-3), 15" INV IN 460.91	STORM SEW CL A 2 15 (ST15-2), 15" INV OUT 460.91

MAN TA 4 DIA TIF OL TABLE				
STRUCTURE	LOCATION	DETAILS	PIPES IN	PIPES OUT
MAN TA 4 DIA TIF OL (MH4-2)	WAS CL 31+02.94 -17.58	ID 48" TC 473.10 INV IN 465.92 INV IN 465.92 INV IN 469.00	SS 2 WAT MN 15 (ST15-5), 15" INV IN 465.92 SS 2 WAT MN 15 (ST15-6), 15" INV IN 465.92 XSTM8-2, 8" INV IN 469.00	
MAN TA 4 DIA TIF OL (MH4-3)	WAS CL 30+79.91 -17.58	ID 48" TC 473.27 INV IN 466.29 INV IN 466.04 INV IN 469.44	SS 2 WAT MN 12 (ST12-6), 12" INV IN 466.29 SS 2 WAT MN 15 (ST15-5), 15" INV IN 466.04 XSTM8-1, 8" INV IN 469.44	
MAN TA 4 DIA TIF OL (MH4FT-1)	WAS CL 38+82.40 11.45	ID 48" TC 456.54 INV IN 452.60 INV IN 452.40 INV IN 452.40 INV IN 452.41	STORM SEWER REM 15 (XSTM15-2), 15" INV IN 452.60 STORM SEW CL A 1 24 (ST24-1), 24" INV IN 452.40 XSTM24-2, 24" INV IN 452.40 XSTM24-3, 24" INV IN 452.41	
MAN TA 4 DIA TIF OL (MH4FT-4)	WAS CL 38+90.31 -27.23	ID 48" TC 456.70 INV IN 452.60 INV IN 453.42 INV IN 453.35	XSTM24-3, 24" INV IN 452.60 XSTM12-2, 12" INV IN 453.42 STORM SEW CL A 1 15 (ST15-9), 15" INV IN 453.35	

INLETS SPL N2 TABLE				
STRUCTURE NAME:	LOCATION	DETAILS:	PIPES IN:	PIPES OUT
INLETS SPL N2 (DI-1)	WAS CL 26+08.00 17.58	48" X 48" TC 472.50 INV IN 469.87 INV OUT 469.87	STORM SEW CL A 1 12 (ST12-11), 12" INV IN 469.87	STORM SEW CL A 1 12 (ST12-13), 12" INV OUT 469.87

EROSION CONTROL ITEMS		
INLET AND PIPE PROTECTION		
AT STRUCTURES	40	EACH
AT DOWNSTREAM CULVERT ENDS	10	EACH
TEMPORARY DITCH CHECKS		
AS DETERMINED BY ENGINEER	20	EACH
PERIMETER EROSION BARRIER		
AS DETERMINED BY ENGINEER	6000	FOOT

INLETS SPL N1 TABLE				
STRUCTURE	LOCATION	DETAILS	PIPES IN	PIPES OUT
INLET SPL N1 (CI-1)	WAS CL 38+50.00 17.58	36" X 48" TC 457.92 INV IN 452.65 INV OUT 452.65	STORM SEW CL A 1 24 (ST24-5), 24" INV IN 452.65	STORM SEW CL A 1 24 (ST24-1), 24" INV OUT 452.65
INLETS SPL N1 (CI-2)	WAS CL 38+48.88 -23.00	36" X 48" TC 458.20 INV IN 453.47 INV IN 453.47	STORM SEW CL A 1 15 (ST15-9), 15" INV IN 453.47 STORM SEW CL A 1 15 (ST15-11), 15" INV IN 453.47	
INLETS SPL N1 (CI-3)	WAS CL 25+70.00 -17.64	36" X 48" TC 472.72 INV OUT 470.05 INV OUT 470.05		SS 2 WAT MN 12 (ST12-10), 12" INV OUT 470.05 SS 2 WAT MN 12 (ST12-1), 12" INV OUT 470.05
INLETS SPL N1 (CI-4)	WAS CL 36+15.00 -17.58	36" X 48" TC 461.15 INV IN 454.35 INV IN 454.44 INV OUT 454.35	SS 2 WAT MN 12 (ST12-11), 12" INV IN 454.35 SS 2 WAT MN 15 (ST15-11), 15" INV IN 454.44	SS 2 WAT MN 18 (ST18-1), 18" INV OUT 454.35
INLETS SPL N1 (CI-5)	WAS CL 36+05.29 -31.65	36" X 48" TC 456.64		
INLETS SPL N1 (CI-7)	WAS CL 35+60.00 -17.58	36" X 48" TC 461.94 INV IN 454.66 INV IN 454.91	SS 2 WAT MN 15 (ST15-11), 15" INV IN 454.66 SS 2 WAT MN 15 (ST15-10), 15" INV IN 454.91	
INLETS SPL N1 (CI-8)	WAS CL 33+29.99 -17.58	36" X 48" TC 468.74 INV IN 461.72 INV IN 461.72	SS 2 WAT MN 15 (ST15-10), 15" INV IN 461.72 SS 2 WAT MN 15 (ST15-9), 15" INV IN 461.72	
INLETS SPL N1 (CI-9)	WAS CL 32+25.00 -17.58	36" X 48" TC 471.45 INV IN 464.94 INV IN 464.94	SS 2 WAT MN 15 (ST15-9), 15" INV IN 464.94 SS 2 WAT MN 15 (ST15-8), 15" INV IN 464.94	
INLETS SPL N1 (CI-10)	WAS CL 29+55.00 -17.58	36" X 48" TC 475.02 INV IN 466.75 INV IN 466.84	SS 2 WAT MN 12 (ST12-6), 12" INV IN 466.75 SS 2 WAT MN 12 (ST12-5), 12" INV IN 466.84	
INLETS SPL N1 (CI-11)	WAS CL 28+20.00 -17.58	36" X 48" TC 474.34 INV IN 467.25 INV IN 467.25	SS 2 WAT MN 12 (ST12-5), 12" INV IN 467.25 SS 2 WAT MN 12 (ST12-4), 12" INV IN 467.25	
INLETS SPL N1 (CI-12)	WAS CL 27+85.00 -17.58	36" X 48" TC 474.12 INV IN 467.35 INV IN 467.35	SS 2 WAT MN 12 (ST12-4), 12" INV IN 467.35 SS 2 WAT MN 12 (ST12-3), 12" INV IN 467.35	
INLETS SPL N1 (CI-13)	WAS CL 27+69.84 -30.69	36" X 48" TC 473.51 INV IN 467.41 INV IN 467.41	SS 2 WAT MN 12 (ST12-3), 12" INV IN 467.41 SS 2 WAT MN 12 (ST12-2), 12" INV IN 467.41	
INLETS SPL N1 (CI-14)	WAS CL 27+40.68 -30.47	36" X 48" TC 473.46 INV IN 467.50	SS 2 WAT MN 12 (ST12-2), 12" INV IN 467.50	
INLETS SPL N1 (CI-15)	WAS CL 26+68.00 -17.58	36" X 48" TC 473.35 INV IN 470.21	SS 2 WAT MN 12 (ST12-1), 12" INV IN 470.21	
INLETS SPL N1 (CI-16)	WAS CL 36+15.00 17.58	36" X 48" TC 461.16 INV IN 454.01 INV IN 454.51 INV IN 454.00	STORM SEW CL A 2 24 (ST24-2), 24" INV IN 454.01 STORM SEW CL A 2 18 (ST18-5), 18" INV IN 454.51 SS 2 WAT MN 18 (ST18-1), 18" INV IN 454.00	
INLETS SPL N1 (CI-17)	WAS CL 34+42.50 17.58	36" X 48" TC 464.71 INV IN 458.50 INV OUT 458.50	STORM SEW CL A 2 15 (ST15-4), 15" INV IN 458.50	STORM SEW CL A 2 15 (ST15-3), 15" INV OUT 458.50
INLETS SPL N1 (CI-18)	WAS CL 33+00.00 17.58	36" X 48" TC 469.75 INV IN 463.49 INV OUT 463.49	STORM SEW CL A 2 15 (ST15-2), 15" INV IN 463.49	STORM SEW CL A 2 15 (ST15-1), 15" INV OUT 463.49
INLETS SPL N1 (CI-19)	WAS CL 25+70.00 17.52	36" X 48" TC 472.72 INV IN 469.83 INV OUT 469.83	STORM SEW CL A 1 12 (ST12-13), 12" INV IN 469.83	STORM SEW CL A 1 12 (ST12-14), 12" INV OUT 469.83
INLETS SPL N1 (CI-20)	WAS CL 26+85.00 17.58	36" X 48" TC 473.47 INV IN 470.36 INV OUT 470.36	STORM SEW CL A 1 12 (ST12-12), 12" INV IN 470.36	STORM SEW CL A 1 12 (ST12-11), 12" INV OUT 470.36
INLETS SPL N1 (CI-21)	WAS CL 28+20.00 17.58	36" X 48" TC 474.34 INV OUT 470.70		STORM SEW CL A 1 12 (ST12-12), 12" INV OUT 470.70
INLETS SPL N1 (CI-22)	WAS CL 30+75.00 17.58	36" X 48" TC 473.85 INV IN 466.12	STORM SEW CL A 2 12 (ST12-9), 12" INV IN 466.12	
INLETS SPL N1 (CI-23)	WAS CL 32+48.00 17.58	36" X 48" TC 471.07 INV IN 465.16 INV OUT 465.41	STORM SEW CL A 2 15 (ST15-1), 15" INV IN 465.16	STORM SEW CL A 2 12 (ST12-9), 12" INV OUT 465.41

JOHN H. CRAWFORD & ASSOCIATES, P.C.
CIVIL ENGINEERS, LAND SURVEYORS
201 SOUTH DIVISION STREET, CARLEVILLE, ILLINOIS 62019
PHONE (618) 985-6370 FAX (618) 985-6392
PROFESSIONAL DESIGN FIRM # 184-002895

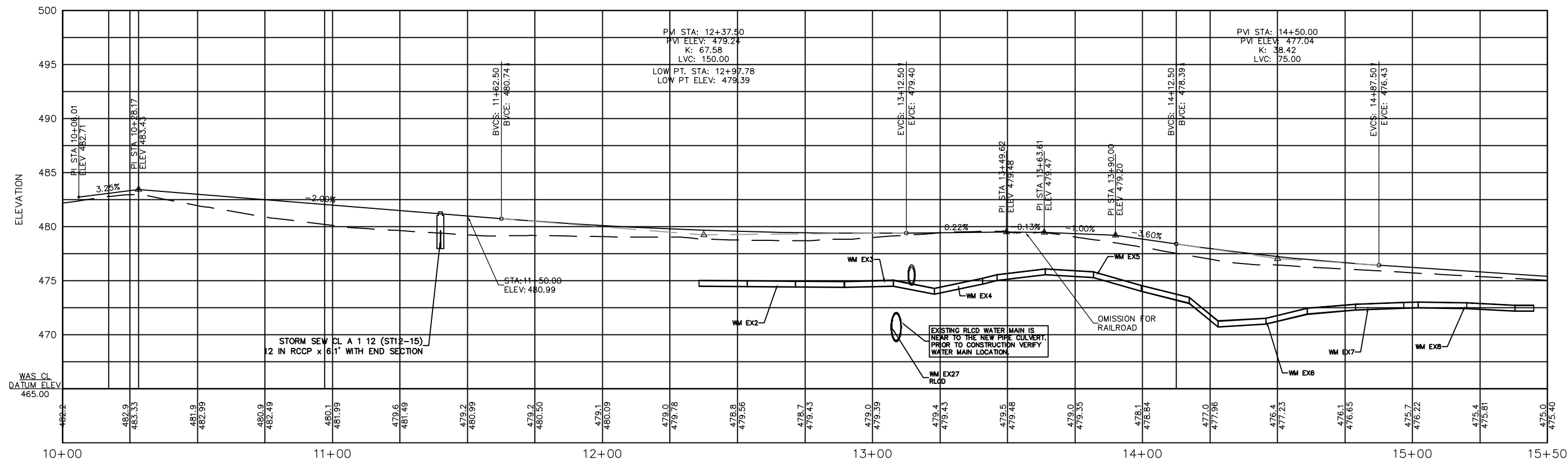
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	DATE - 03/09/20	REVISED -

CITY OF BENTON
FRANKLIN COUNTY, IL
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

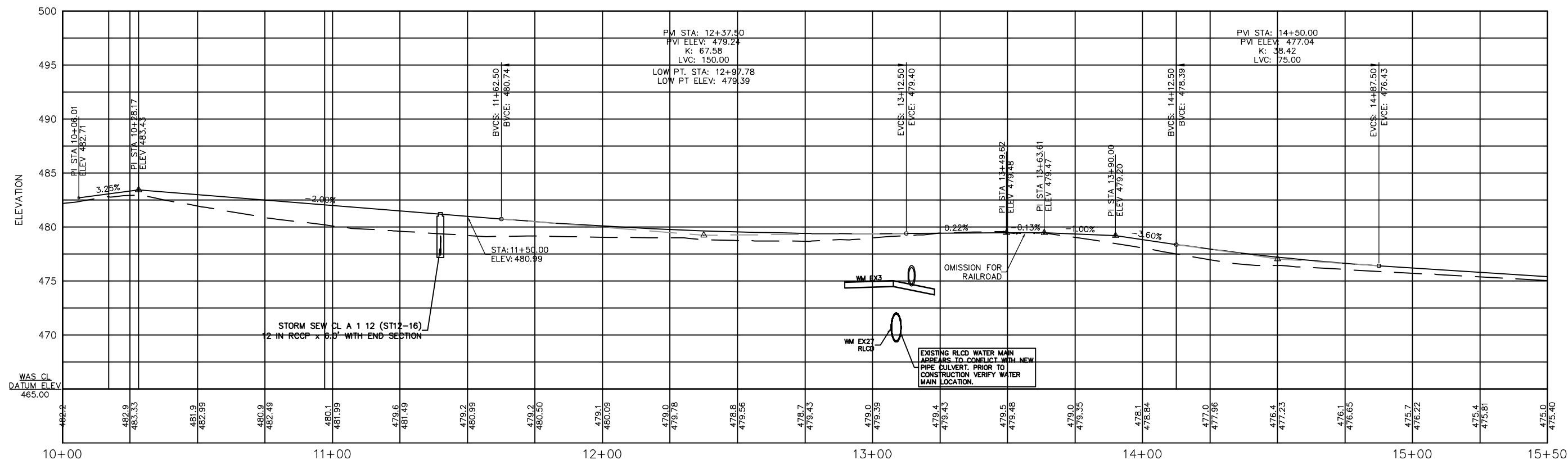
CULVERT & STORM SEWER PLANS
WASTENA STREET
SCALE: BAR SCALE SHEET 4 OF 4 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STATE JOB NO. C-99-508-17		FED. AID PROJECT 4CAG(821)		

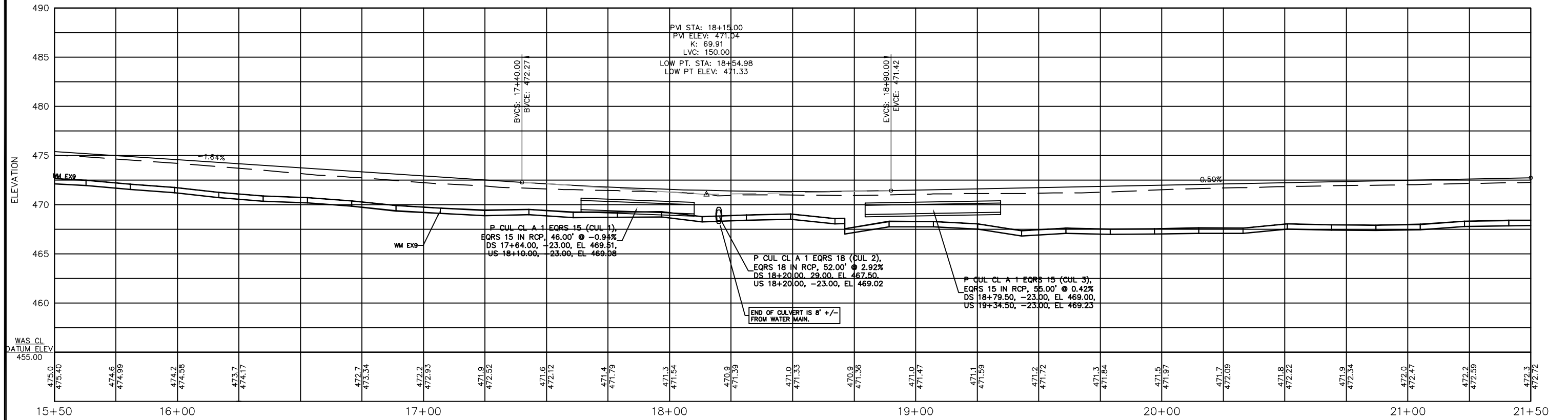
CULVERTS AND STORM SEWER ON NORTH SIDE WASTENA STREET



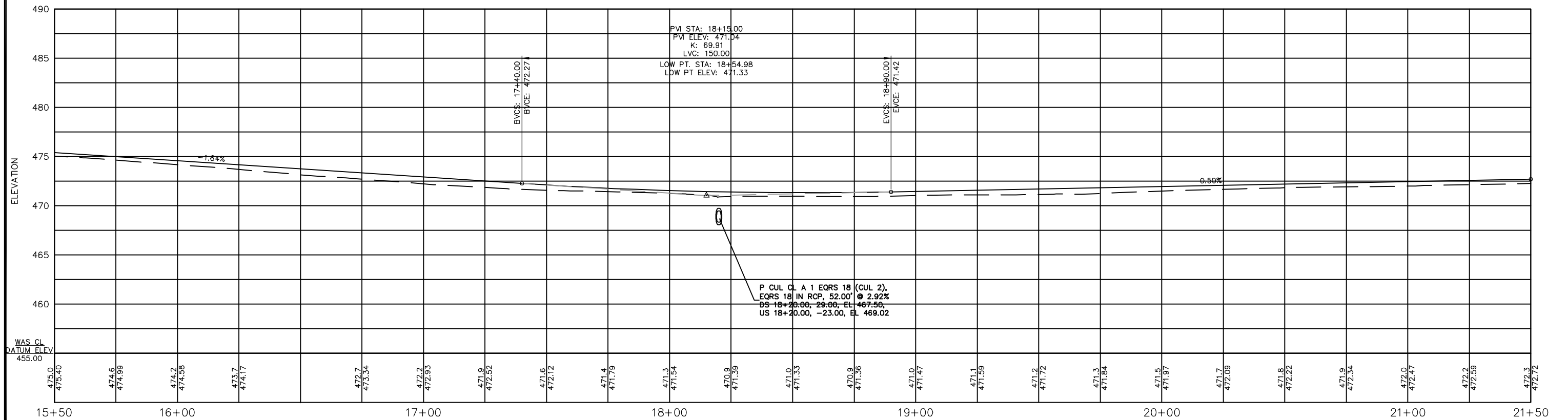
CULVERTS AND STORM SEWER ON SOUTH SIDE WASTENA STREET



CULVERTS AND STORM SEWER ON NORTH SIDE WASTENA STREET



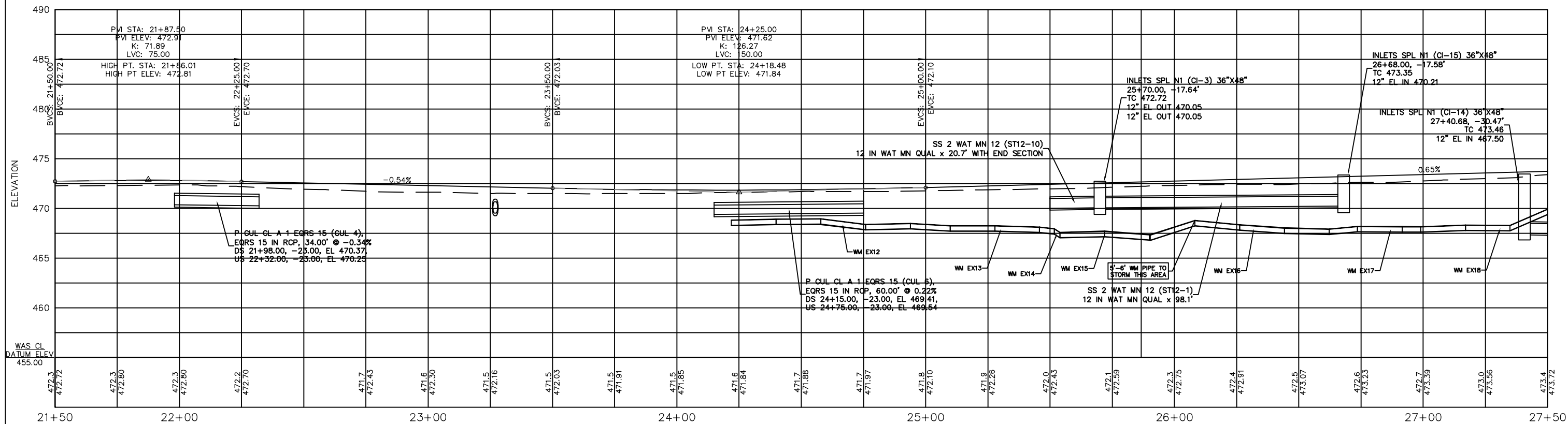
CULVERTS AND STORM SEWER ON SOUTH SIDE WASTENA STREET



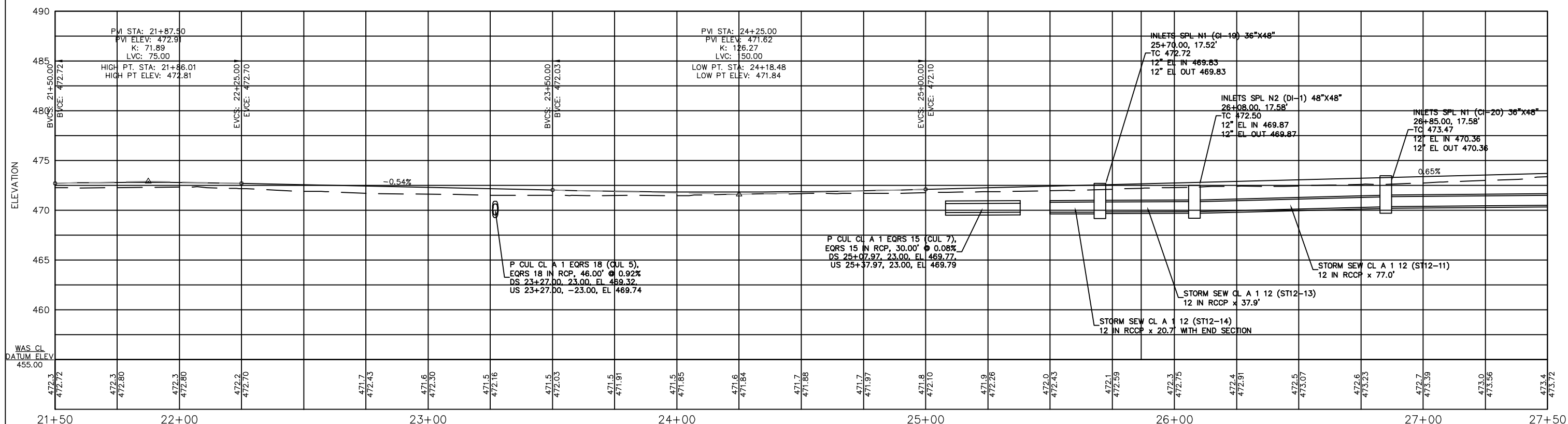
	USER NAME = DESIGNED - JHC DRAWN - JHC CHECKED - RLP DATE - 03/09/20	SUBMITTAL - 08/16/21 SUBMITTAL - 03/30/22 REV REVISED - REVISED -	CITY OF BENTON FRANKLIN COUNTY, IL STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CULVERT & STORM SEWER PROFILES WASTENA STREET	F.A.U. RITE. SECTION COUNTY TOTAL SHEETS SHEET NO. 9450 11-00064-00-FP FRANKLIN 63 12 CONTRACT NO. 99671
	SCALE: SHEET 2 OF 5 SHEETS STA. 15+50.00 TO STA. 21+50.00			STATE JOB NO. C-99-508-17 FED. AID PROJECT 4CA(821)	
	JOHN H. CRAWFORD & ASSOCIATES, P.C. CIVIL ENGINEERS, LAND SURVEYORS 201 SOUTH DIVISION STREET, CARTERSVILLE, ILLINOIS 62919 PHONE (815) 985-6370 FAX (815) 985-6292 PROFESSIONAL DESIGN FIRM # 184-028895				

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CULVERTS AND STORM SEWER ON NORTH SIDE WASTENA STREET



CULVERTS AND STORM SEWER ON SOUTH SIDE WASTENA STREET



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 201 SOUTH DIVISION STREET, CARTERVILLE, ILLINOIS 62919
 PHONE (618) 985-6370 FAX (618) 985-6292
 PROFESSIONAL DESIGN FIRM # 184-002895

USER NAME =
 DESIGNED - JHC
 DRAWN - JHC
 CHECKED - RLP
 DATE - 03/09/20

SUBMITTAL - 08/16/21
 SUBMITTAL - 03/30/22 REV 1
 REVISED -
 REVISED -

CITY OF BENTON
FRANKLIN COUNTY, IL
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

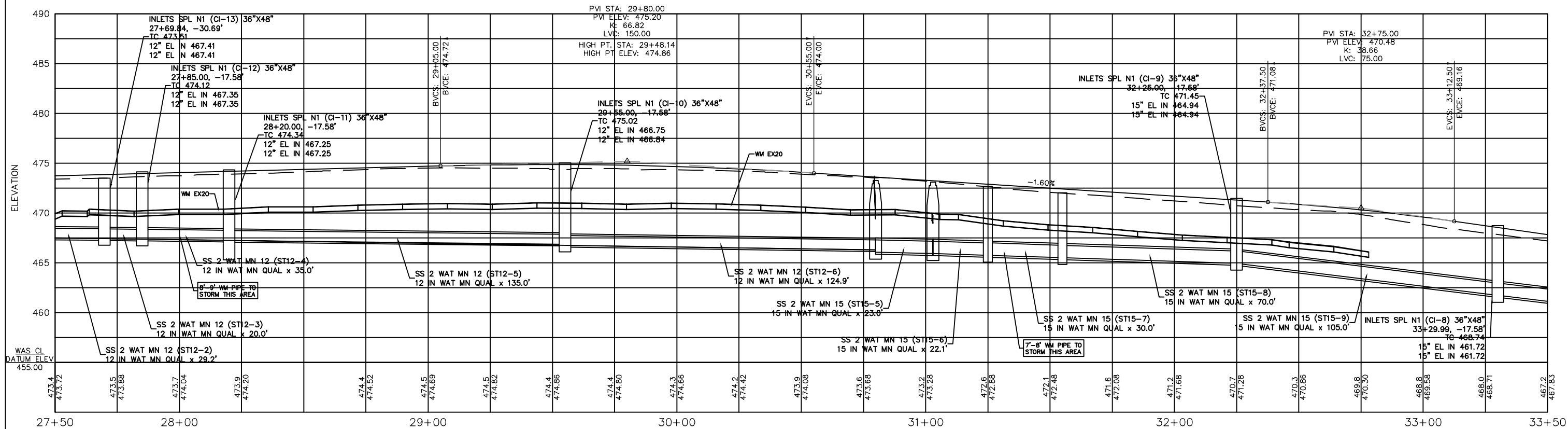
CULVERT & STORM SEWER PROFILES
WASTENA STREET

SCALE: BAR SCALE SHEET 3 OF 5 SHEETS STA. 10+50.00 TO STA. 12+50.00

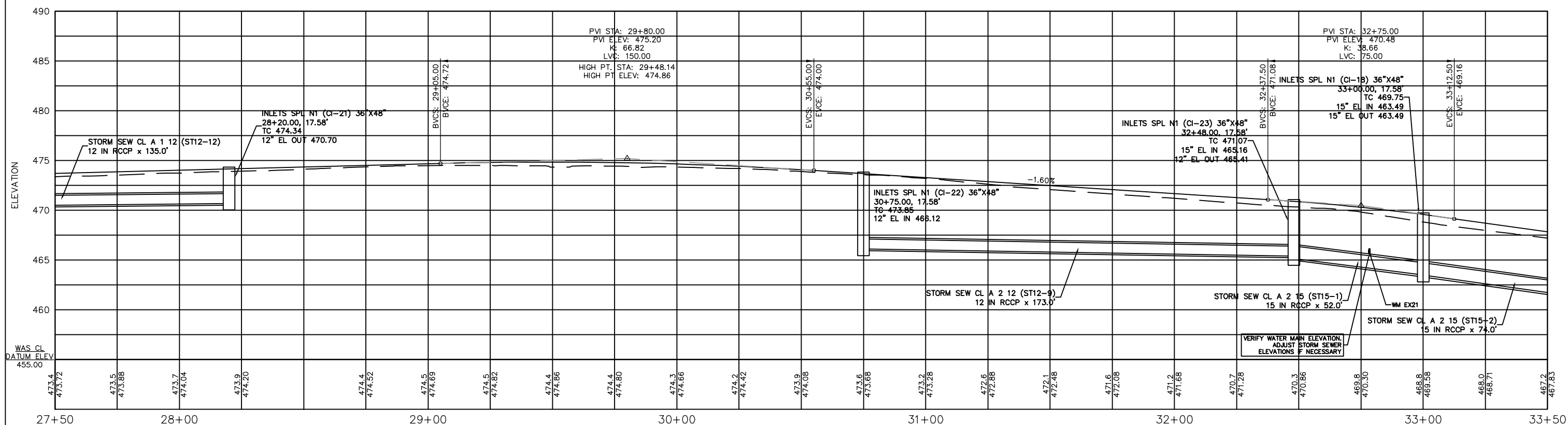
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9450	11-00064-00-FP	FRANKLIN	63	13
STATE JOB NO. C-99-508-17			FED. AID PROJECT 4CA(821)	
CONTRACT NO. 99671				

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CULVERTS AND STORM SEWER ON NORTH SIDE WASTENA STREET



CULVERTS AND STORM SEWER ON SOUTH SIDE WASTENA STREET



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 CIVIL ENGINEERS, LAND SURVEYORS
 201 SOUTH DIVISION STREET, CARTERSVILLE, ILLINOIS 62919
 PHONE (618) 985-6370 FAX (618) 985-6292
 PROFESSIONAL DESIGN FIRM # 184-002895

USER NAME =	DESIGNED - JHC	SUBMITTAL - 08/16/21
PLOT SCALE =	DRAWN - JHC	SUBMITTAL - 03/30/22 REV 1
PLOT DATE =	CHECKED - RLP	REVISED -
	DATE - 03/09/20	REVISED -

CITY OF BENTON
FRANKLIN COUNTY, IL
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

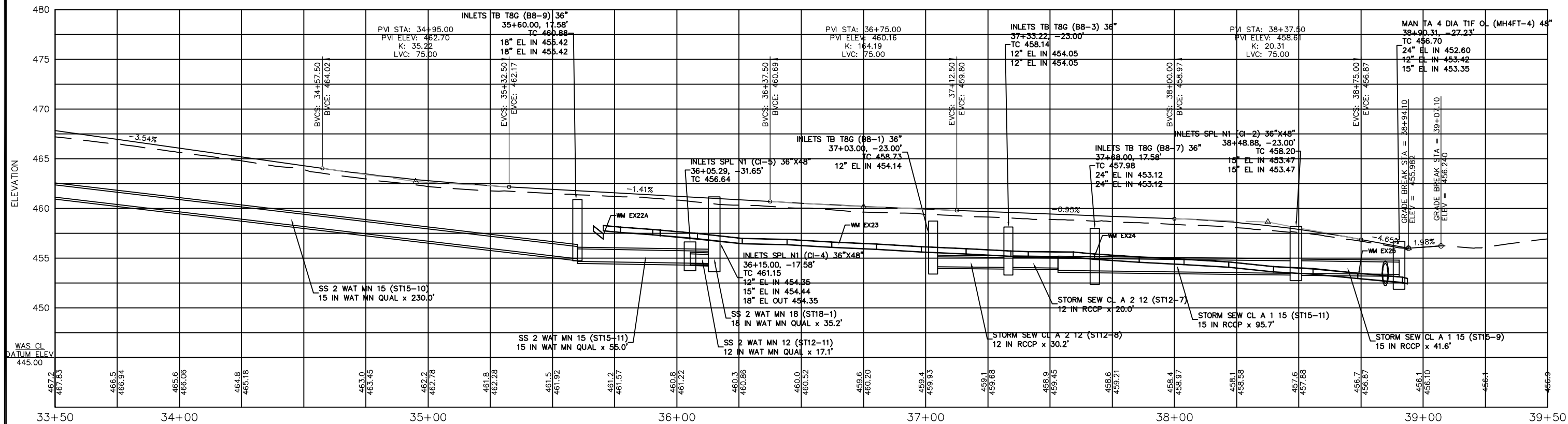
CULVERT & STORM SEWER PROFILES
WASTENA STREET

SCALE: SHEET 4 OF 5 SHEETS STA. 27+50.00 TO STA. 33+50.00

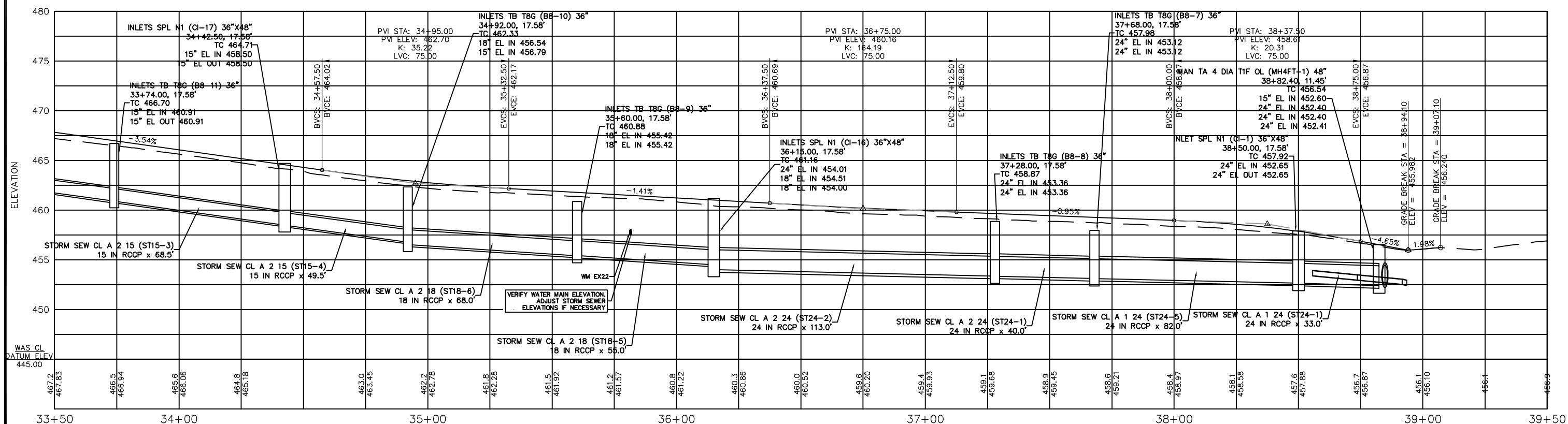
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9450	11-00064-00-FP	FRANKLIN	63	14
STATE JOB NO. C-99-508-17 FED. AID PROJECT 4CA(821)				

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CULVERTS AND STORM SEWER ON NORTH SIDE WASTENA STREET



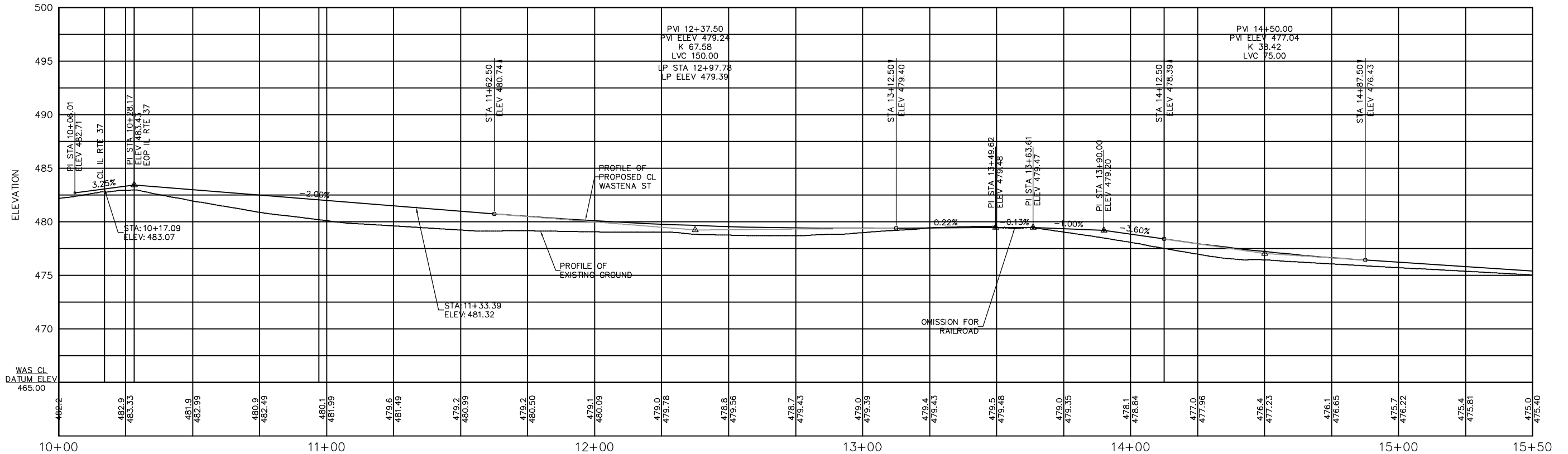
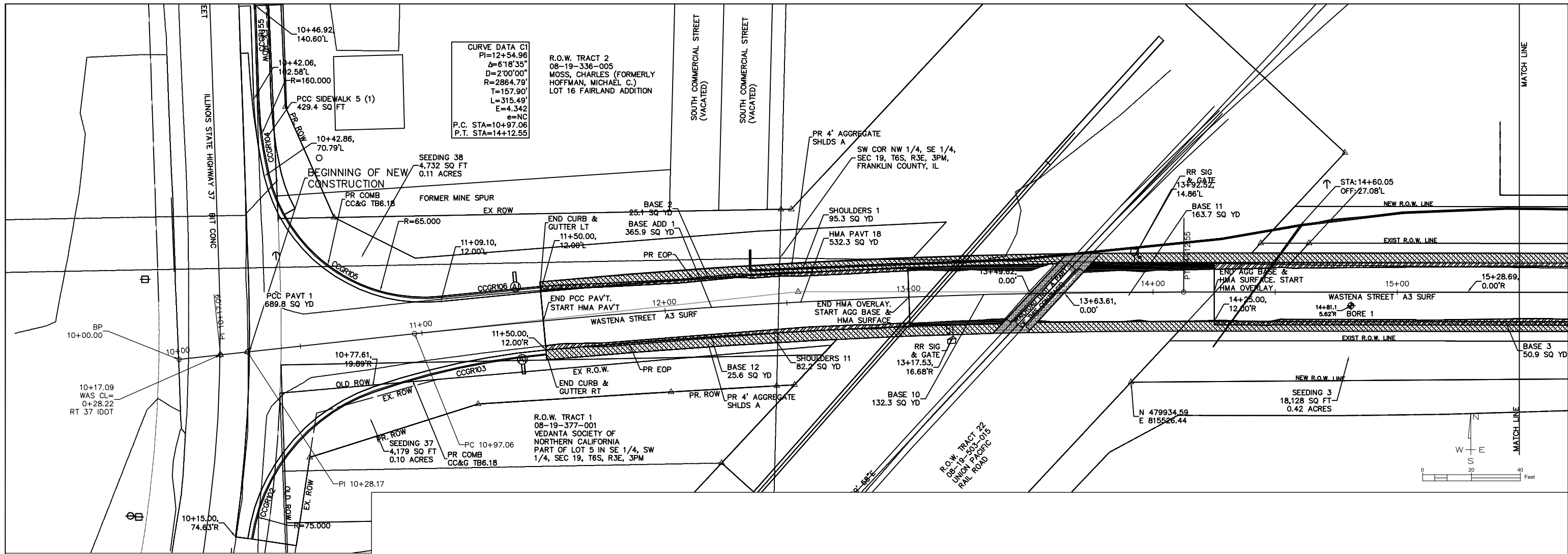
CULVERTS AND STORM SEWER ON SOUTH SIDE WASTENA STREET



	USER NAME = DESIGNED - JHC DRAWN - JHC CHECKED - RLP DATE - 03/09/20	SUBMITTAL - 08/16/21 SUBMITTAL - 03/30/22 REV 1 REVISED - 08/05/22	CITY OF BENTON FRANKLIN COUNTY, IL STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CULVERT & STORM SEWER PROFILES WASTENA STREET	F.A.U. RT. = 9450 SECTION = 11-00064-00-FP COUNTY = FRANKLIN STATE JOB NO. C-99-508-17	TOTAL SHEETS = 63 SHEET NO. = 15 CONTRACT NO. 99671 FED. AID PROJECT 4CA(821)
	SCALE: SHEET 5 OF 5 SHEETS STA. 33+50.00 TO STA. 39+50.00					

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 PROFESSIONAL DESIGN FIRM # 184-002885

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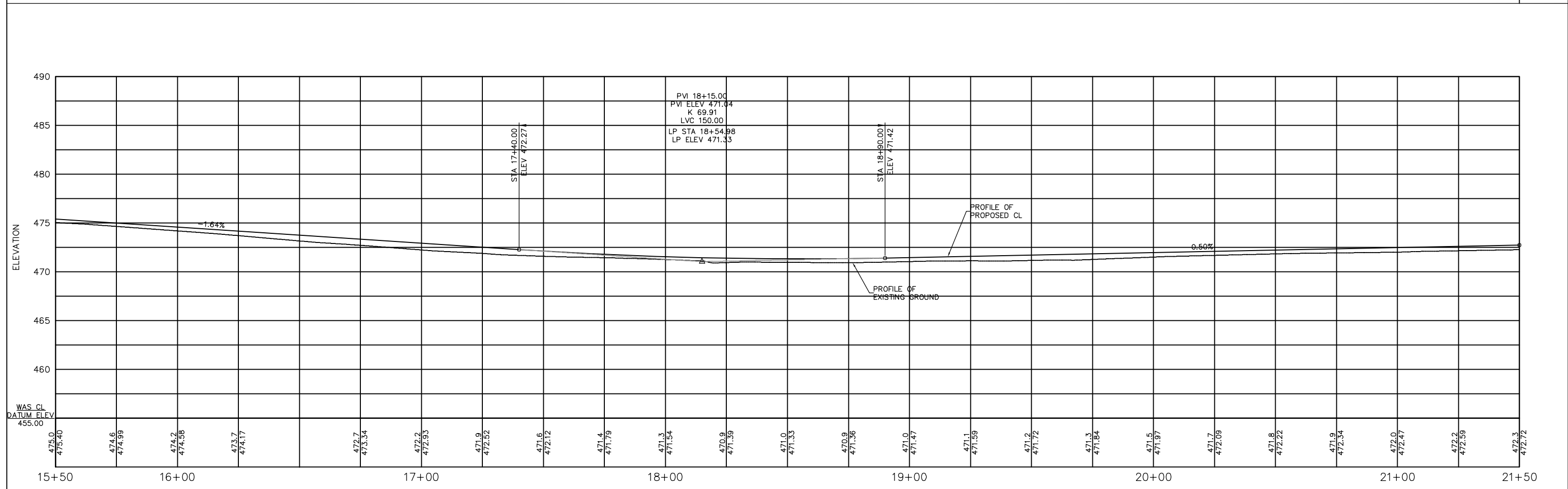
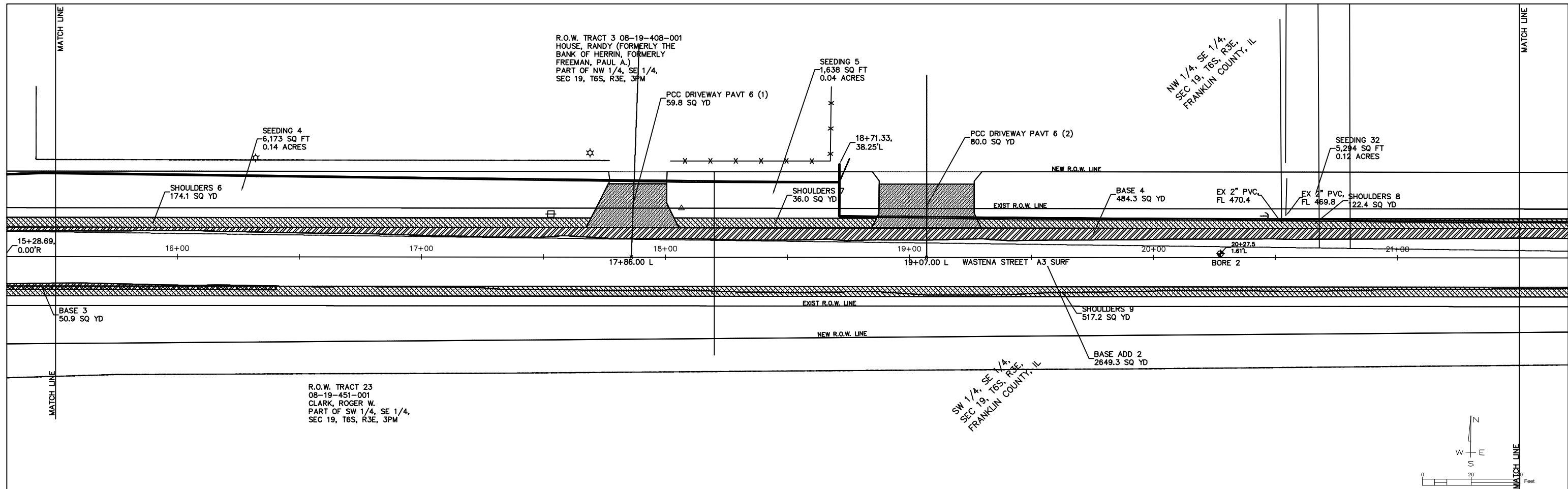
WASTENA STREET
 CITY OF BENTON, IL
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
WASTENA STREET

SCALE: SHEET 1 OF 5 SHEETS STA. 10+00.00 TO STA. 15+50.00

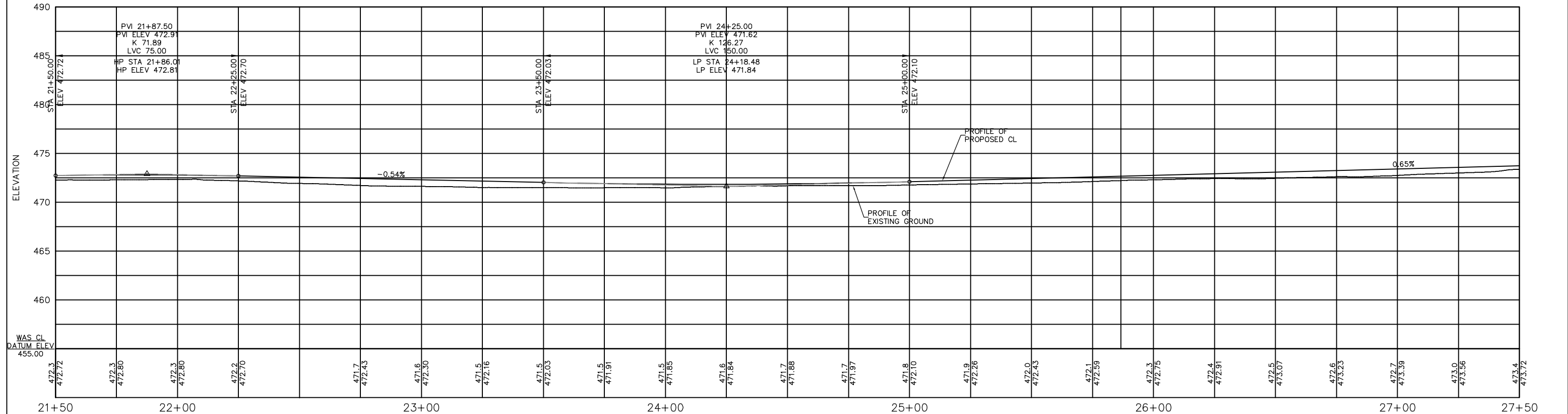
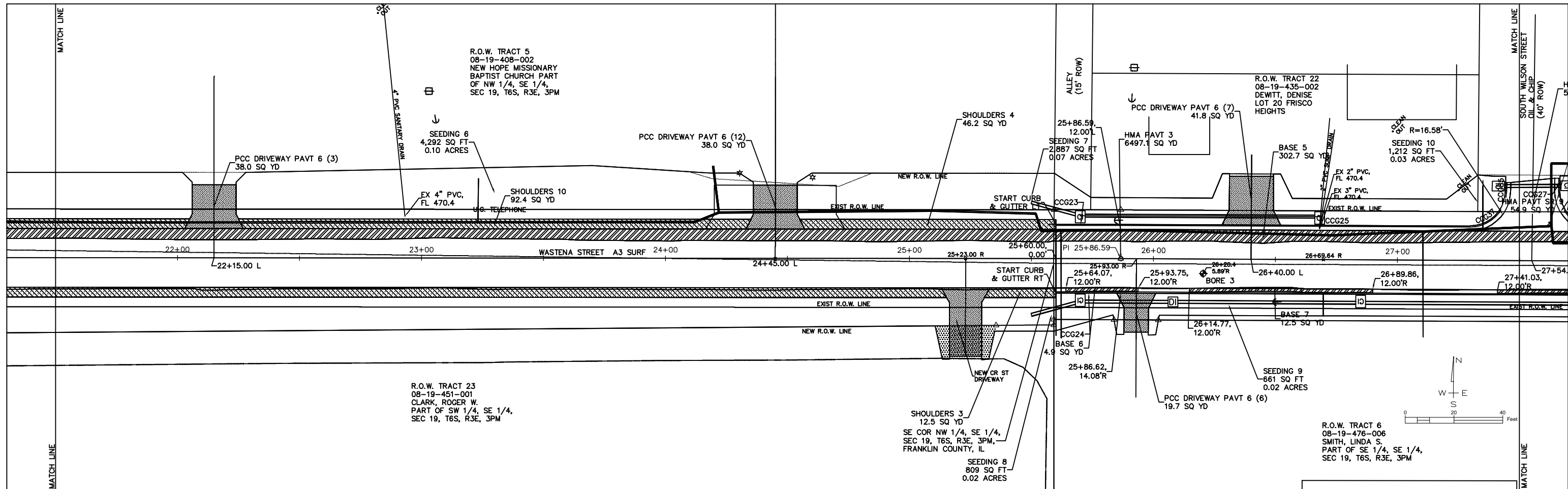
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STATE JOB NO. C-99-508-17		FED. AID PROJECT 4CA(821)		

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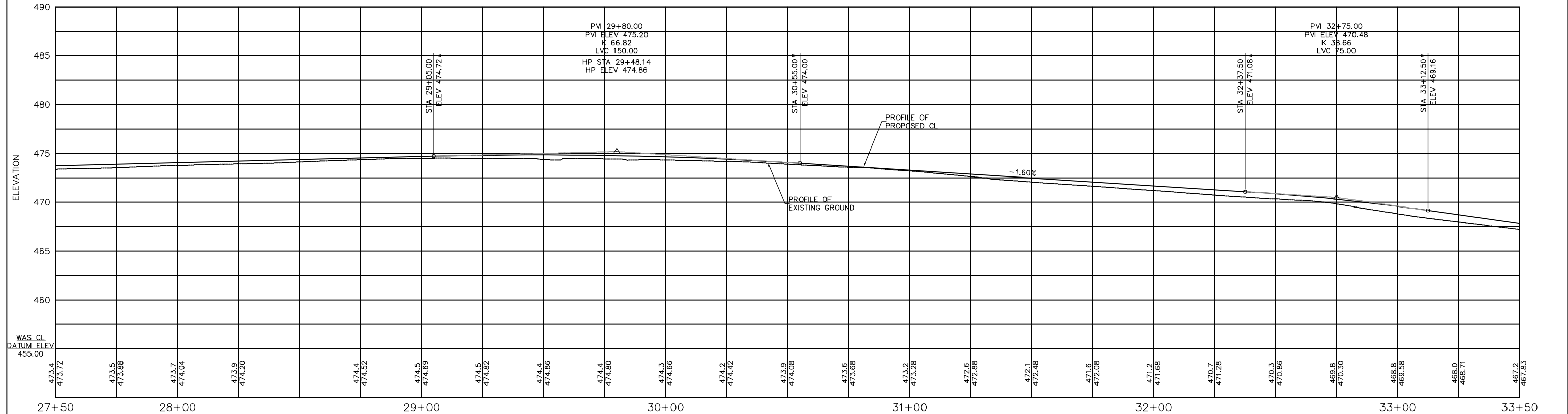
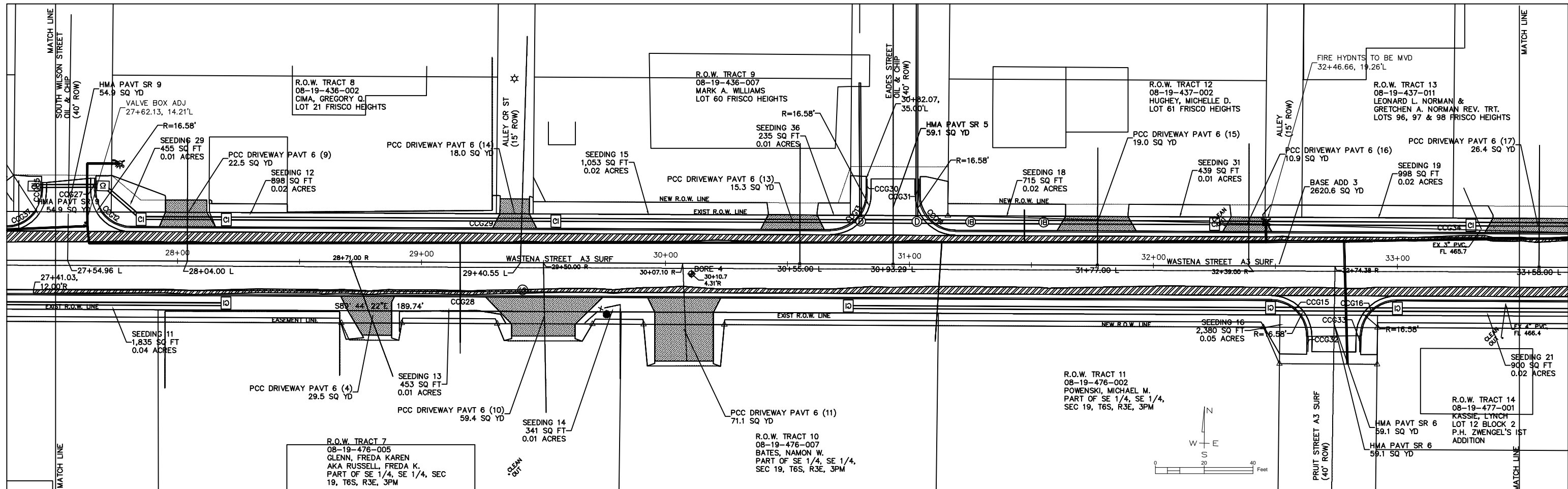
<p>JOHN H. CRAWFORD & ASSOCIATES, P.C. CIVIL ENGINEERS, LAND SURVEYORS 201 SOUTH DIVISION STREET, CARTERSVILLE, ILLINOIS 62019 PHONE (618) 985-6370 FAX (618) 985-6292 PROFESSIONAL DESIGN FIRM # 184-002895</p>	USER NAME =	DESIGNED - JHC	SUBMITTAL - 08/16/21	WASTENA STREET CITY OF BENTON, IL STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN AND PROFILE WASTENA STREET		F.A.U. R.T.E. = 9450	SECTION = 11-00064-00-FP	COUNTY = FRANKLIN	TOTAL SHEETS = 63	SHEET NO. = 17
	PLOT SCALE =	CHECKED - RLP	REVISED - 08/05/22				CONTRACT NO. = 99671				
	PLOT DATE =	DATE - 03/09/20	REVISED -				STATE JOB NO. C-99-508-17	FED. AID PROJECT 4CA(821)			
	SCALE: BAR SCALE		SHEET 2 OF 5 SHEETS				STA. TO STA.				

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	PLOT SCALE =	CHECKED - RLP	REVISED - 08/05/22				CONTRACT NO. 99671				
	PLOT DATE =	DATE - 03/09/20	REVISED -				STATE JOB NO. C-99-508-17 FED. AID PROJECT 4CA(821)				
	SCALE: BAR SCALE						SHEET 3 OF 6 SHEETS	STA. TO STA.			

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 PROFESSIONAL DESIGN FIRM # 184-002895

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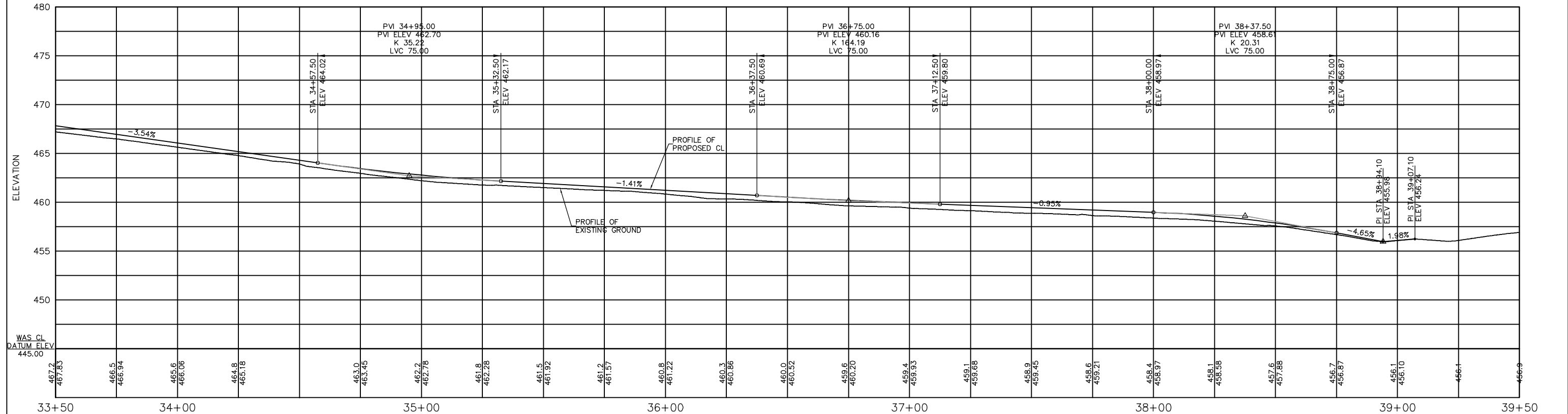
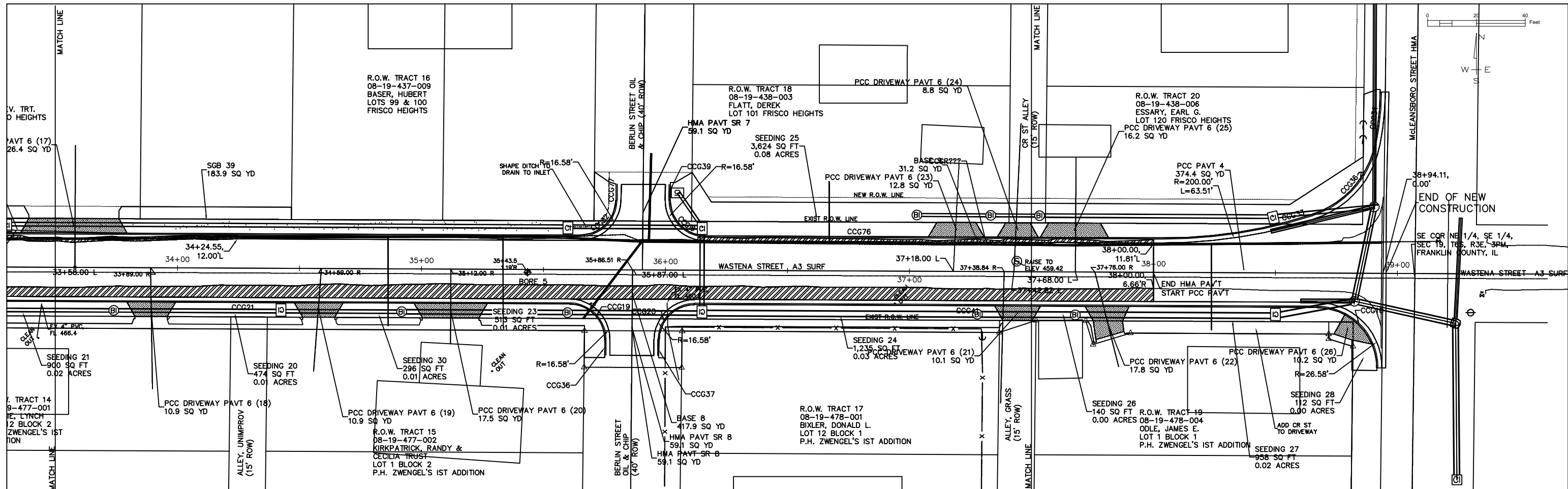
WASTENA STREET
 CITY OF BENTON, IL
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
WASTENA STREET

SCALE: BAR SCALE SHEET 4 OF 6 SHEETS STA. 27+50.00 TO STA. 33+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9450	11-00064-00-FP	FRANKLIN	63	19
STATE JOB NO. C-99-508-17			FED. AID PROJECT 4CA(821)	

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 PHONE (618) 985-6370 FAX (618) 985-6932
 PROFESSIONAL DESIGN FIRM # 184-002895

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PLOT DATE =	CHECKED - RLP	REVISED - 08/05/22
	DATE - 03/09/20	REVISED -

WASTENA STREET
 CITY OF BENTON, IL
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
WASTENA STREET
 SCALE: BAR SCALE SHEET 5 OF 6 SHEETS STA. 33+50.00 TO STA. 39+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9450	11-00064-00-FP	FRANKLIN	63	20
STATE JOB NO. C-99-508-17		FED. AID PROJECT 4CA(821)		

TYPE B CURB AND GUTTER			
LINE NO./CURVE NO.	LENGTH	RADIUS	
CCG10	38.7 FT	24.50 FT	
CCG12	22.9 FT	14.50 FT	
CCG13	22.8 FT	14.50 FT	
CCG14	22.7 FT	14.50 FT	
CCG15	22.9 FT	14.50 FT	
CCG16	22.6 FT	14.50 FT	
CCG18	22.9 FT	14.50 FT	
CCG19	22.8 FT	14.50 FT	
CCG20	22.7 FT	14.50 FT	
CCG21	261.1 FT		
CCG23	26.6 FT		
CCG24	26.6 FT		
CCG25	146.2 FT		
CCG27	5.0 FT		
CCG28	661.9 FT		
CCG29	286.8 FT		
CCG30	6.3 FT		
CCG31	6.5 FT		
CCG32	22.7 FT	14.50 FT	
CCG32	6.3 FT		

TYPE B CURB AND GUTTER			
LINE NO./CURVE NO.	LENGTH	RADIUS	
CCG33	6.6 FT		
CCG33	62.9 FT	197.92 FT	
CCG34	446.4 FT		
CCG34	21.6 FT	117.92 FT	
CCG36	6.4 FT		
CCG36	40.3 FT	37.92 FT	
CCG37	6.5 FT		
CCG37	22.6 FT	14.50 FT	
CCG39	6.3 FT		
CCG41	255.3 FT		
CCG76	183.3 FT		
CCG77	6.5 FT		
CCG85	3.6 FT		
CCGR102	82.3 FT	75.00 FT	
CCGR103	72.2 FT	300.00 FT	
CCGR104	31.4 FT	160.00 FT	
CCGR105	93.8 FT	65.00 FT	
CCGR106	41.1 FT	2878.37 FT	
CCGR155	38.3 FT		
TOTAL	3104.4 FT		

PCC DRIVEWAY PAVT 6	
DRIVE NO.	AREA
PCC DRIVEWAY PAVT 6 (1)	59.8 SQ YD
PCC DRIVEWAY PAVT 6 (2)	80.0 SQ YD
PCC DRIVEWAY PAVT 6 (3)	38.0 SQ YD
PCC DRIVEWAY PAVT 6 (4)	29.5 SQ YD
PCC DRIVEWAY PAVT 6 (6)	19.7 SQ YD
PCC DRIVEWAY PAVT 6 (9)	22.5 SQ YD
PCC DRIVEWAY PAVT 6 (10)	59.4 SQ YD
PCC DRIVEWAY PAVT 6 (11)	71.1 SQ YD
PCC DRIVEWAY PAVT 6 (12)	38.0 SQ YD
PCC DRIVEWAY PAVT 6 (13)	15.3 SQ YD
PCC DRIVEWAY PAVT 6 (14)	18.0 SQ YD
PCC DRIVEWAY PAVT 6 (15)	19.0 SQ YD
PCC DRIVEWAY PAVT 6 (16)	10.9 SQ YD
PCC DRIVEWAY PAVT 6 (17)	26.4 SQ YD

PCC DRIVEWAY PAVT 6	
DRIVE NO.	AREA
PCC DRIVEWAY PAVT 6 (18)	10.9 SQ YD
PCC DRIVEWAY PAVT 6 (19)	10.9 SQ YD
PCC DRIVEWAY PAVT 6 (20)	17.5 SQ YD
PCC DRIVEWAY PAVT 6 (21)	10.1 SQ YD
PCC DRIVEWAY PAVT 6 (22)	17.8 SQ YD
PCC DRIVEWAY PAVT 6 (23)	12.8 SQ YD
PCC DRIVEWAY PAVT 6 (24)	8.8 SQ YD
PCC DRIVEWAY PAVT 6 (25)	16.2 SQ YD
PCC DRIVEWAY PAVT 6 (26)	10.2 SQ YD
TOTAL PCC DRIVEWAY PAVT 6	664.7 SQ YD

AGG SHLDS A (4" THICK)	
NAME	AREA
SHOULDERS 1	95.3 SQ YD
SHOULDERS 3	12.5 SQ YD
SHOULDERS 4	46.2 SQ YD
SHOULDERS 6	174.1 SQ YD
SHOULDERS 7	36.0 SQ YD
SHOULDERS 8	122.4 SQ YD
SHOULDERS 9	517.2 SQ YD
SHOULDERS 10	92.4 SQ YD
SHOULDERS 11	82.2 SQ YD
TOTAL AGG SHLDS A 4	1178.5 SQ YD
TOTAL (@ 120 PCF)	210.0 TONS

AGG BASE CSE A (4" THICK)	
NAME	AREA
BASE ADD 1	365.9 SQ YD
BASE ADD 2	2649.3 SQ YD
BASE ADD 3	2620.6 SQ YD
TOTAL AGG BASE CSE A 4	5635.8 SQ YD
TOTAL (@ 150 PCF)	1279.7 TONS

HMA PAVT	
NAME	AREA
HMA PAVT 3	6497.1 SQ YD
HMA PAVT 18	532.3 SQ YD
HMA PAVT SR 5	59.1 SQ YD
HMA PAVT SR 6	59.1 SQ YD
HMA PAVT SR 7	59.1 SQ YD
HMA PAVT SR 8	59.1 SQ YD
HMA PAVT SR 9	54.9 SQ YD
TOTAL HMA PAVT	7320.7 SQ YD

BIT MTS (.25 PSY)	1830.2 LB
BINDER (112 PSY/1")	819.9 TONS
SURF (115 PSY/1")	841.9 TONS

AGG BASE CSE A (10" THICK)	
NAME	AREA
HMA PAVT SR 5	59.1 SQ YD
HMA PAVT SR 6	59.1 SQ YD
HMA PAVT SR 7	59.1 SQ YD
HMA PAVT SR 8	59.1 SQ YD
HMA PAVT SR 9	54.9 SQ YD
TOTAL AGG BASE CSE A 10	291.4 SQ YD
TOTAL (@ 150 PCF)	163.8 TONS

PCC PAVT	
NAME	AREA
PCC PAVT 1	689.8 SQ YD
PCC PAVT 4	374.4 SQ YD
TOTAL PCC PAVT	1064.2 SQ YD

AGG BASE CSE A (12" THICK)	
NAME	AREA
BASE 2	25.1 SQ YD
BASE 3	50.9 SQ YD
BASE 4	484.3 SQ YD
BASE 5	302.7 SQ YD
BASE 6	4.9 SQ YD
BASE 7	12.5 SQ YD
BASE 8	417.9 SQ YD
BASE 9	31.2 SQ YD
BASE 10	132.3 SQ YD
BASE 11	163.7 SQ YD
BASE 12	25.6 SQ YD
TOTAL AGG BASE CSE A 12	1651.2 SQ YD
TOTAL (@ 150 PCF)	1119.7 TONS

MANHOLE ADJUSTMENT	STA	OFFSET	EX ELEV	ADJ ELEV
MH 1	29+41.53	11.11 R	473.93	474.63
MH 2	37+43.97	4.30 L	458.46	459.42
TOTAL	2			

SEEDING		
NAME	AREA	AREA
SEEDING 3	18128 SQ FT	0.416 AC
SEEDING 4	6173 SQ FT	0.142 AC
SEEDING 5	1638 SQ FT	0.038 AC
SEEDING 6	4292 SQ FT	0.099 AC
SEEDING 7	2887 SQ FT	0.066 AC
SEEDING 8	809 SQ FT	0.019 AC
SEEDING 9	661 SQ FT	0.015 AC
SEEDING 10	1212 SQ FT	0.028 AC
SEEDING 11	1835 SQ FT	0.042 AC
SEEDING 12	898 SQ FT	0.021 AC
SEEDING 13	453 SQ FT	0.010 AC
SEEDING 14	341 SQ FT	0.008 AC
SEEDING 15	1053 SQ FT	0.024 AC
SEEDING 16	2380 SQ FT	0.055 AC
SEEDING 18	715 SQ FT	0.016 AC
SEEDING 19	998 SQ FT	0.023 AC
SEEDING 20	474 SQ FT	0.011 AC

SEEDING		
NAME	AREA	AREA
SEEDING 21	900 SQ FT	0.021 AC
SEEDING 23	513 SQ FT	0.012 AC
SEEDING 24	1235 SQ FT	0.028 AC
SEEDING 25	3624 SQ FT	0.083 AC
SEEDING 26	140 SQ FT	0.003 AC
SEEDING 27	958 SQ FT	0.022 AC
SEEDING 28	112 SQ FT	0.003 AC
SEEDING 29	455 SQ FT	0.010 AC
SEEDING 30	296 SQ FT	0.007 AC
SEEDING 31	439 SQ FT	0.010 AC
SEEDING 32	5294 SQ FT	0.122 AC
SEEDING 36	235 SQ FT	0.005 AC
SEEDING 37	4179 SQ FT	0.096 AC
SEEDING 38	4732 SQ FT	0.109 AC
TOTAL SEEDING	69714 SQ FT	1.600 AC

PC CONCRETE SIDEWALK 5	
NO.	AREA
PCC SIDEWALK 5 (1)	429.4 SQ FT

USER NAME =	DESIGNED -- JHC	SUBMITTAL -- 08/16/21
PLOT SCALE =	DRAWN -- JHC	SUBMITTAL -- 03/30/22
PLOT DATE =	CHECKED --	REVISED -- 08/05/22
	DATE --	REVISED --

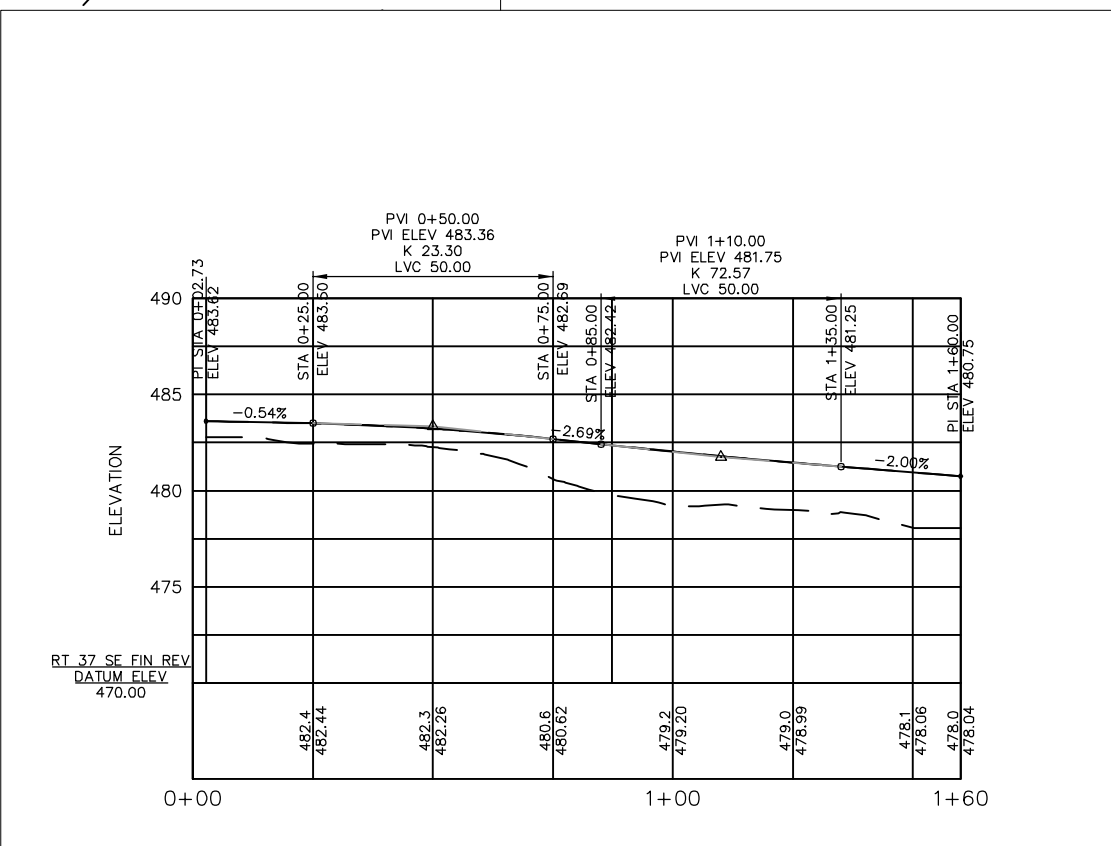
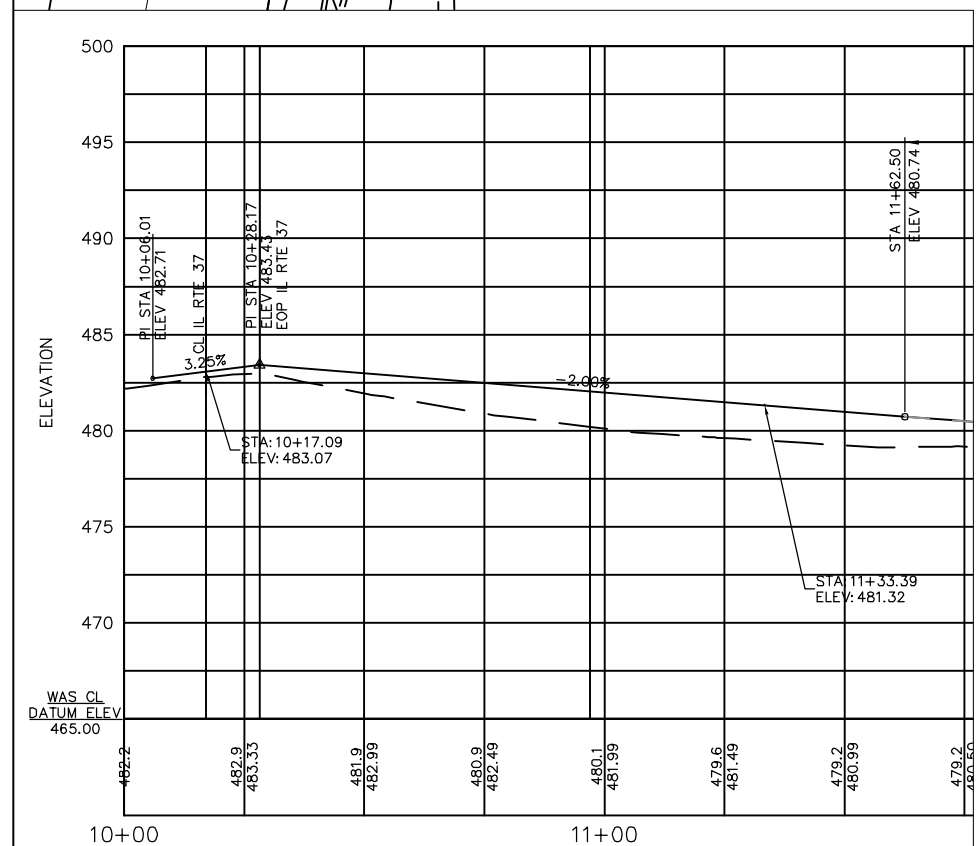
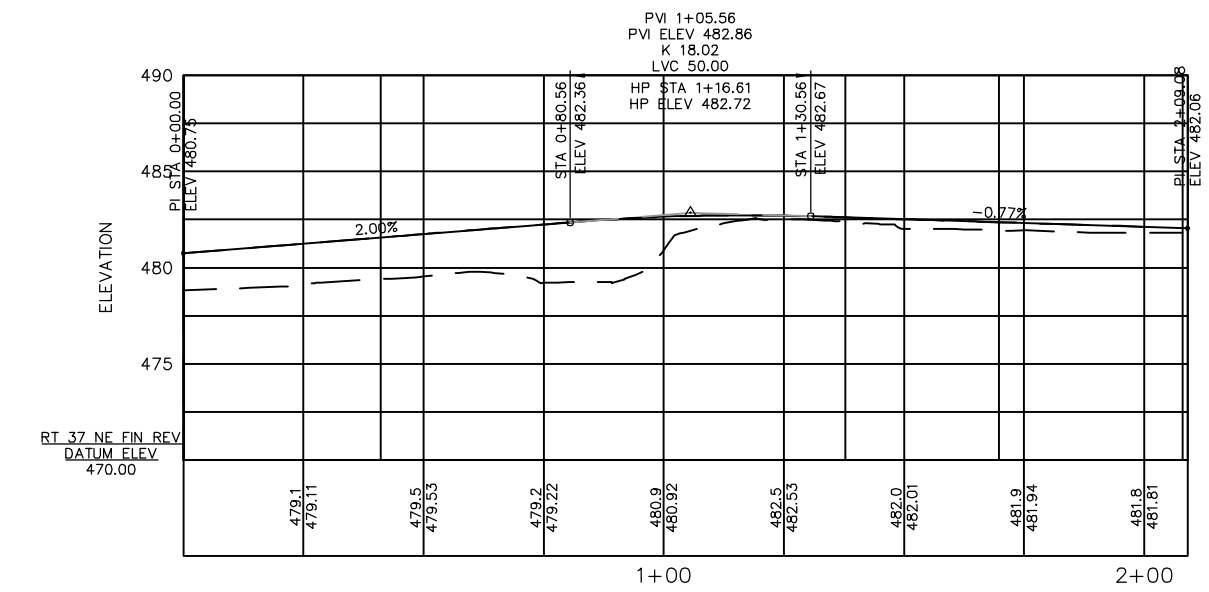
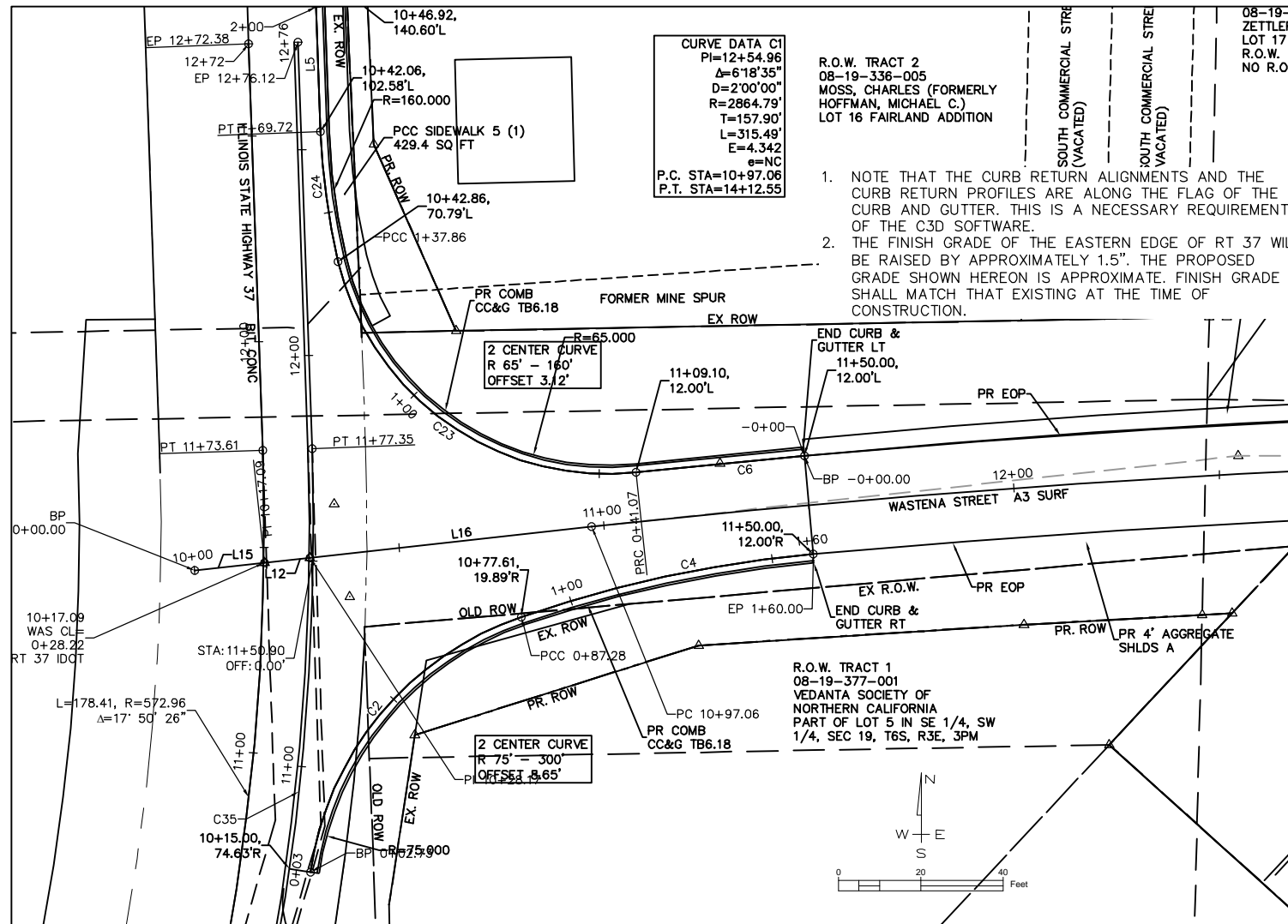
**WASTENA STREET
CITY OF BENTON, IL
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PLAN AND PROFILE
WASTENA STREET**

SHEET 6 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9450	11-00064-00-FP	FRANKLIN		21
STATE JOB NO. C-99-508-17			FED. AID PROJECT 4CA(821)	

C:\Civil 3D Projects\Wastena Street\JHCA WASTENA 121621.dwg, 22 CURB RET 1, 9/20/2022 11:39:49 AM



WAS CL

NUMBER	START STA	START N E	RADIUS	LENGTH	LINE/CHORD BEARING	END STA	END N E
L15	10+00.00	479943.90 815136.71		17.09	N83° 44' 24"E	10+17.09	479945.76 815153.70
L12	10+17.09	479945.76 815153.70		11.08	N83° 44' 24"E	10+28.17	479946.97 815164.72
L16	10+28.17	479946.97 815164.72		68.89	N83° 44' 24"E	10+97.06	479954.48 815233.19
C1	10+97.06	479954.48 815233.19	2864.79	315.49	N86° 53' 41"E	14+12.55	479971.56 815548.06
L13	14+12.55	479971.56 815548.06		1174.04	S89° 57' 01"E	25+86.59	479970.55 816722.10
L14	25+86.59	479970.55 816722.10		1388.48	S89° 44' 22"E	39+75.06	479964.23 818110.56

RT 37 NE FIN REV

NUMBER	START STA	START N E	RADIUS	LENGTH	LINE/CHORD BEARING	END STA	END N E
C6	-0+00.00	479971.72 815284.78	2876.79	41.07	S84° 23' 23"W	0+41.07	479967.71 815243.91
C23	0+41.07	479967.71 815243.91	67.08	96.80	N54° 40' 52"W	1+37.86	480018.94 815171.60
C24	1+37.86	480018.94 815171.60	162.08	31.86	N7° 42' 44"W	1+69.72	480050.46 815167.33
L5	1+69.72	480050.46 815167.33		38.27	N2° 04' 53"W	2+07.99	480088.70 815165.94

RT 37 SE FIN REV

NUMBER	START STA	START N E	RADIUS	LENGTH	LINE/CHORD BEARING	END STA	END N E
C2	0+02.73	479870.62 815164.84	77.08	84.55	N39° 33' 38"E	0+87.28	479932.59 815216.03
C4	0+87.28	479932.59 815216.03	302.08	72.72	N77° 52' 50"E	1+60.00	479947.82 815286.96

CL RT 37-Right-12.00

NUMBER	START STA	START N E	RADIUS	LENGTH	LINE/CHORD BEARING	END STA	END N E
C35	9+95.21	479793.44 815143.22	584.96	182.14	N6° 58' 24"E	11+77.35	479973.50 815165.25

JOHN H. CRAWFORD & ASSOCIATES, P.C.
 CIVIL ENGINEERS, LAND SURVEYORS
 201 SOUTH DIVISION STREET, CARLEVILLE, ILLINOIS 62819
 PHONE (618) 985-6370 FAX (618) 985-6392
 PROFESSIONAL DESIGN FIRM # 184-022895

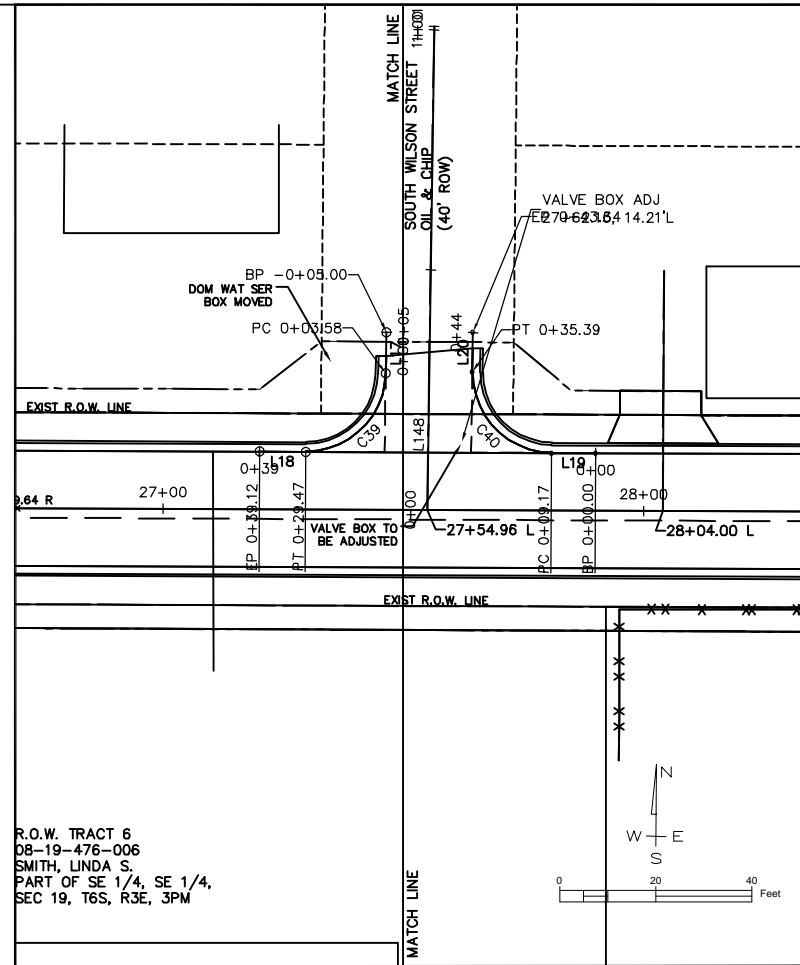
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 DRAWN - JHC
 CHECKED - RLP
 DATE - 03/09/20

SUBMITTAL - 08/16/21
 SUBMITTAL - 03/30/22
 REVISED -
 REVISED -

WASTENA STREET
 CITY OF BENTON, IL
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CURB RETURNS - DETAILS
 WASTENA STREET
 SCALE: BAR SCALE SHEET 1 OF 5 SHEETS STA. TO STA.

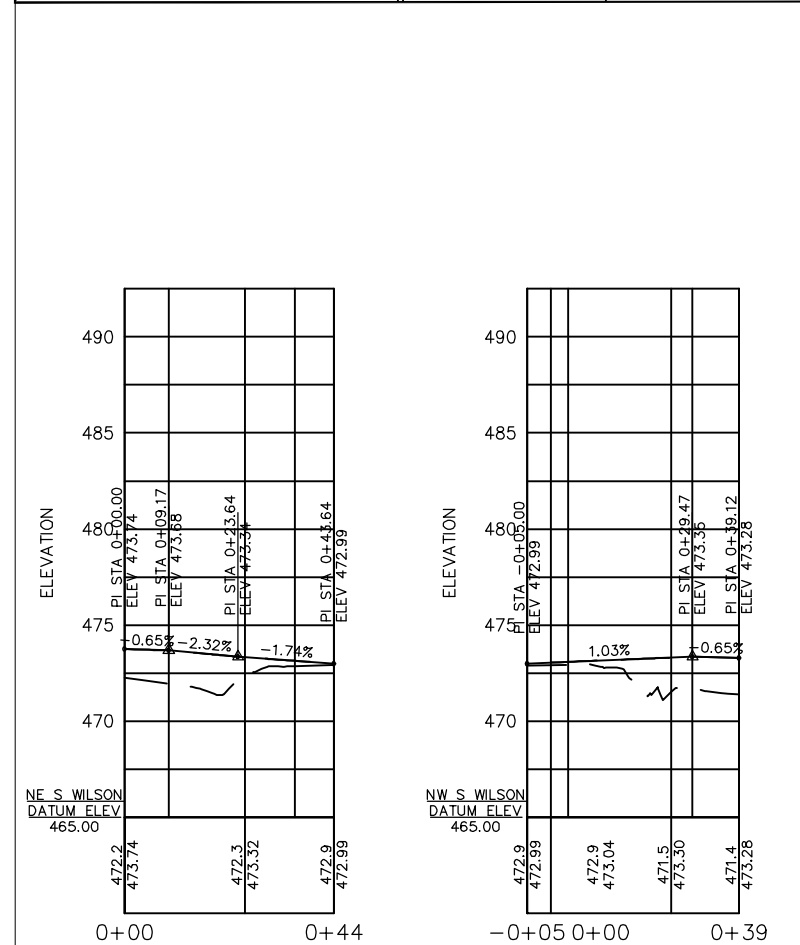
F.A.U. R.T.E. SECTION COUNTY TOTAL SHEETS SHEET NO.
 9450 11-00064-00-FP FRANKLIN 63 22
 CONTRACT NO. 99671
 STATE JOB NO. C-99-508-17 FED. AID PROJECT 4CA(821)



NW S WILSON							
NUMBER	START STA	START N E	RADIUS	LENGTH	LINE/CHORD BEARING	END STA	END N E
L17	-0+05.00	480006.82 816882.01		8.58	S0° 50' 10"W	0+03.58	479998.24 816881.88
C39	0+03.58	479998.24 816881.88	16.58	25.88	S45° 32' 54"W	0+29.47	479981.89 816865.22
L18	0+29.47	479981.89 816865.22		9.66	N89° 44' 22"W	0+39.12	479981.94 816855.57

NE S WILSON							
NUMBER	START STA	START N E	RADIUS	LENGTH	LINE/CHORD BEARING	END STA	END N E
L19	0+00.00	479981.62 816925.56		9.17	N89° 44' 22"W	0+09.17	479981.66 816916.39
C40	0+09.17	479981.66 816916.39	16.58	26.22	N44° 27' 06"W	0+35.39	479998.49 816899.89
L20	0+35.39	479998.49 816899.89		8.25	N0° 50' 10"E	0+43.64	480006.74 816900.01

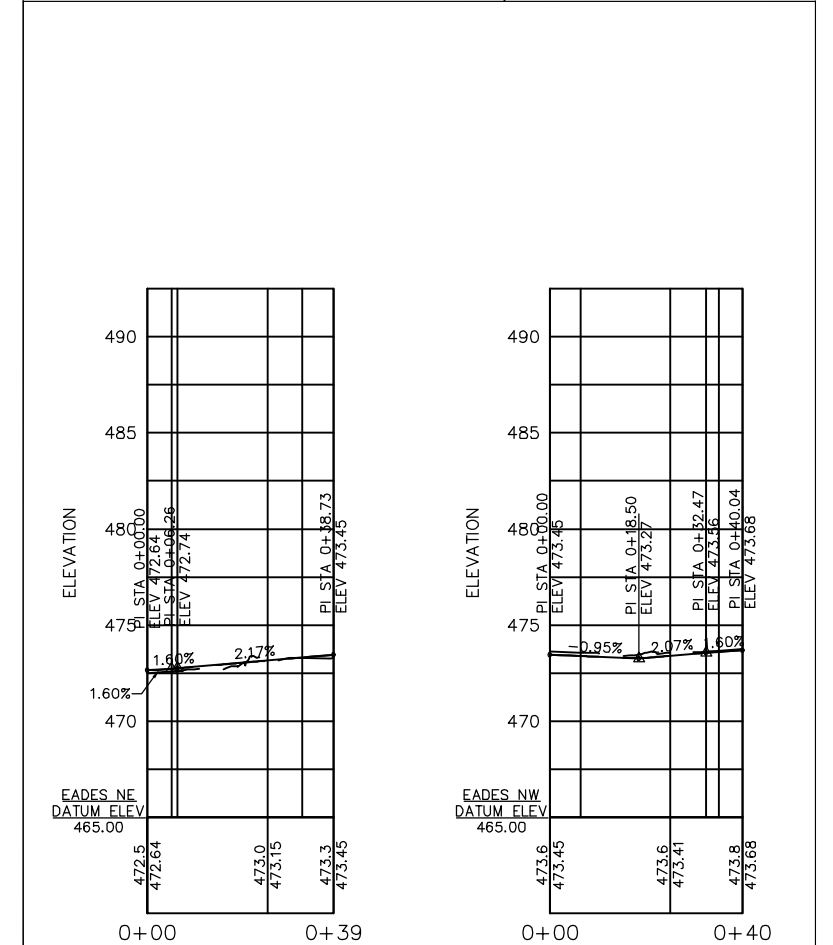
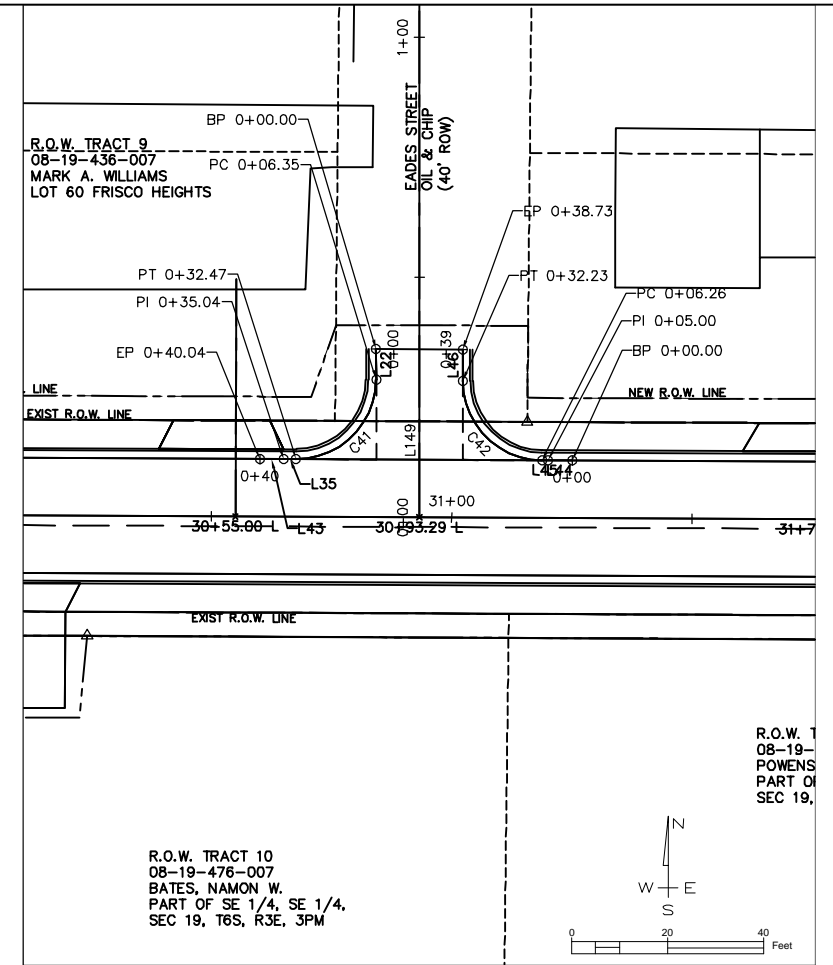
S WILSON							
NUMBER	START STA	START N E	RADIUS	LENGTH	LINE/CHORD BEARING	END STA	END N E
L148	0+00.00	479969.78 816890.47		100.78	N0° 50' 11"E	1+00.78	480070.55 816891.94

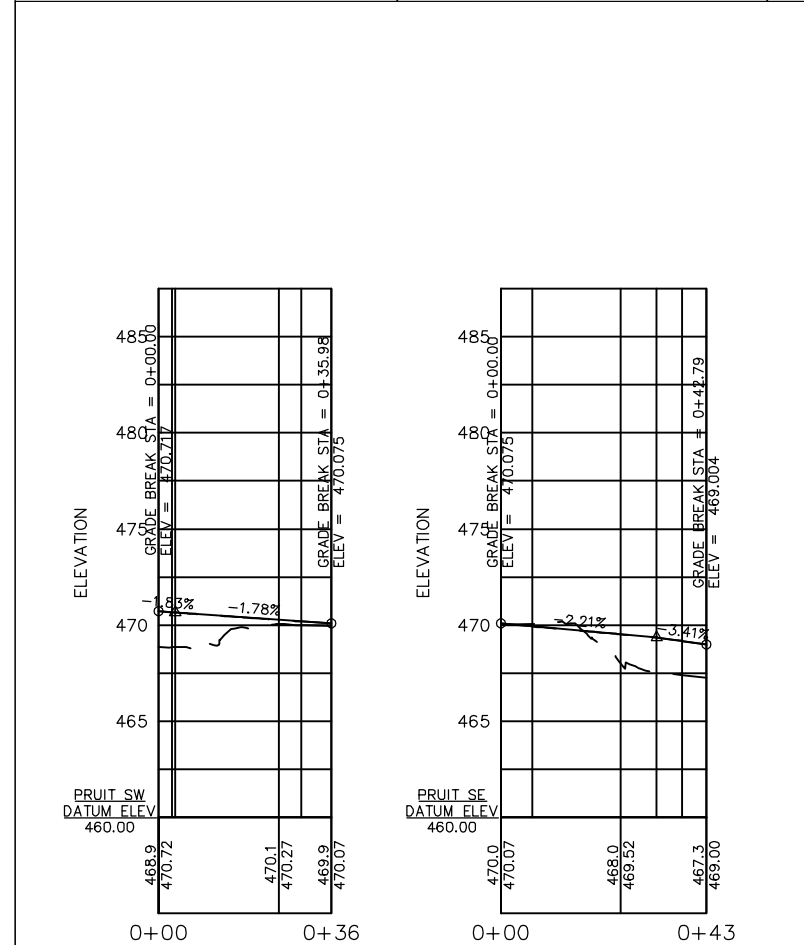
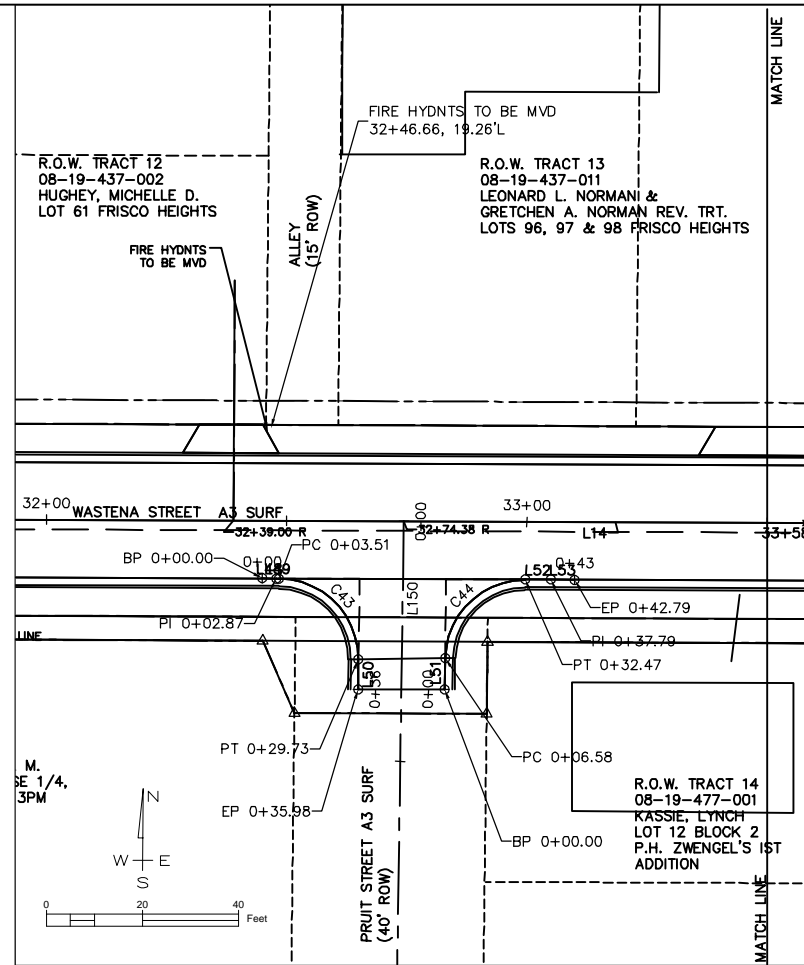


EADES NW							
NUMBER	START STA	START N E	RADIUS	LENGTH	LINE/CHORD BEARING	END STA	END N E
L22	0+00.00	480003.29 817219.79		6.35	S0° 00' 30"E	0+06.35	479996.94 817219.79
C41	0+06.35	479996.94 817219.79	16.58	26.13	S45° 07' 34"W	0+32.47	479980.36 817203.13
L35	0+32.47	479980.36 817203.13		2.57	N89° 44' 22"W	0+35.04	479980.37 817200.56
L43	0+35.04	479980.37 817200.56		5.00	N89° 44' 22"W	0+40.04	479980.39 817195.56

EADES NE							
NUMBER	START STA	START N E	RADIUS	LENGTH	LINE/CHORD BEARING	END STA	END N E
L44	0+00.00	479980.10 817260.56		5.00	N89° 44' 22"W	0+05.00	479980.12 817255.56
L45	0+05.00	479980.12 817255.56		1.26	N89° 44' 22"W	0+06.26	479980.13 817254.30
C42	0+06.26	479980.13 817254.30	16.58	25.97	N44° 52' 26"W	0+32.23	479996.71 817237.79
L46	0+32.23	479996.71 817237.79		6.49	N0° 00' 30"W	0+38.73	480003.20 817237.79

EADES							
NUMBER	START STA	START N E	RADIUS	LENGTH	LINE/CHORD BEARING	END STA	END N E
L149	0+00.00	479968.24 817228.80		150.87	N0° 00' 30"W	1+50.87	480119.12 817228.77





PRUIT SW							
NUMBER	START STA	START N E	RADIUS	LENGTH	LINE/CHORD BEARING	END STA	END N E
L48	0+00.00	479955.55 817380.45		2.87	S89° 44' 22"E	0+02.87	479955.54 817383.32
L49	0+02.87	479955.54 817383.32		0.64	S89° 44' 22"E	0+03.51	479955.54 817383.96
C43	0+03.51	479955.54 817383.96	16.58	26.22	S44° 27' 01"E	0+29.73	479938.71 817400.47
L50	0+29.73	479938.71 817400.47		6.25	S0° 50' 21"W	0+35.98	479932.46 817400.38

PRUIT SE							
NUMBER	START STA	START N E	RADIUS	LENGTH	LINE/CHORD BEARING	END STA	END N E
L51	0+00.00	479932.38 817418.38		6.58	N0° 50' 21"E	0+06.58	479938.96 817418.47
C44	0+06.58	479938.96 817418.47	16.58	25.88	N45° 32' 59"E	0+32.47	479955.30 817435.13
L52	0+32.47	479955.30 817435.13		5.32	S89° 44' 22"E	0+37.79	479955.28 817440.45
L53	0+37.79	479955.28 817440.45		5.00	S89° 44' 22"E	0+42.79	479955.26 817445.45

PRUIT							
NUMBER	START STA	START N E	RADIUS	LENGTH	LINE/CHORD BEARING	END STA	END N E
L150	0+00.00	479967.42 817409.89		148.57	S0° 50' 21"W	1+48.57	479818.87 817407.71

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PHONE (618) 985-6370 FAX (618) 985-6932
PROFESSIONAL DESIGN FIRM # 184-002895

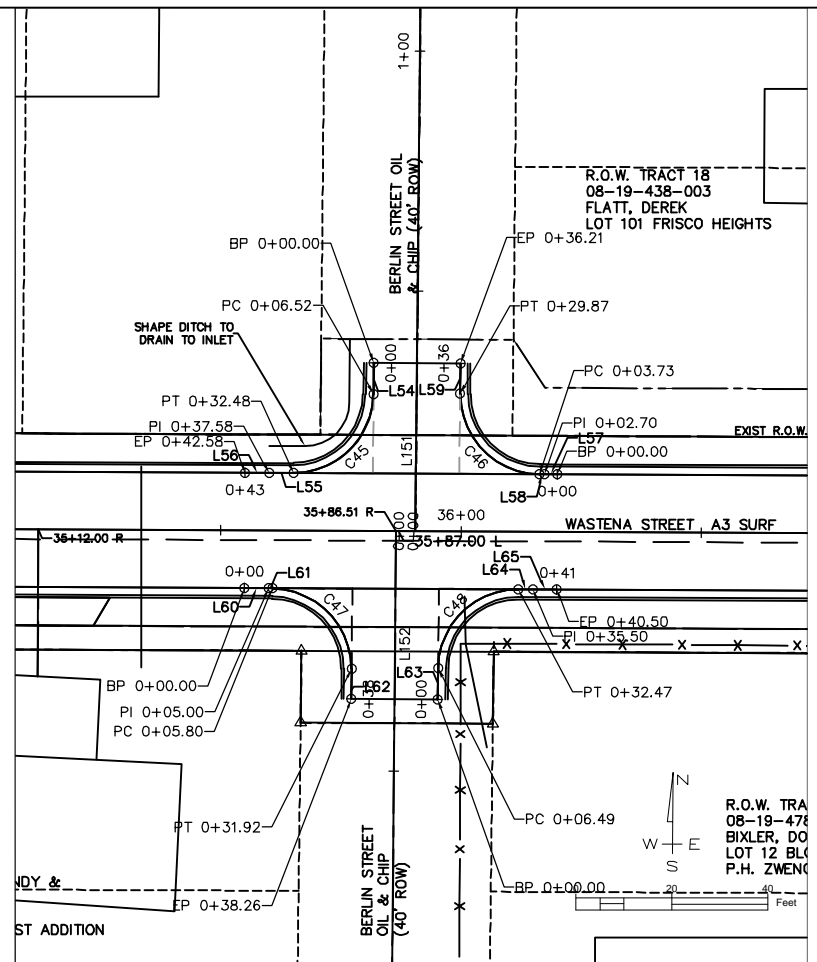
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DRAWN - JHC
CHECKED - RLP
DATE - 03/09/20

SUBMITTAL - 08/16/21
SUBMITTAL - 03/30/22
REVISED -
REVISED -

WASTENA STREET
CITY OF BENTON, IL
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CURB RETURNS - DETAILS
WASTENA STREET
SCALE: BAR SCALE SHEET 3 OF 5 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9450	11-00064-00-FP	FRANKLIN	63	24
STATE JOB NO. C-99-508-17			FED. AID PROJECT 4CAG(821)	



BERLIN NW							
NUMBER	START STA	START N E	RADIUS	LENGTH	LINE/CHORD BEARING	END STA	END N E
L54	0+00.00	480001.03 817717.38		6.52	S0° 33' 26"W	0+06.52	479994.52 817717.31
C45	0+06.52	479994.52 817717.31	16.58	25.96	S45° 24' 32"W	0+32.48	479978.10 817700.66
L55	0+32.48	479978.10 817700.66		5.10	N89° 44' 22"W	0+37.58	479978.12 817695.56
L56	0+37.58	479978.12 817695.56		5.00	N89° 44' 22"W	0+42.58	479978.14 817690.56

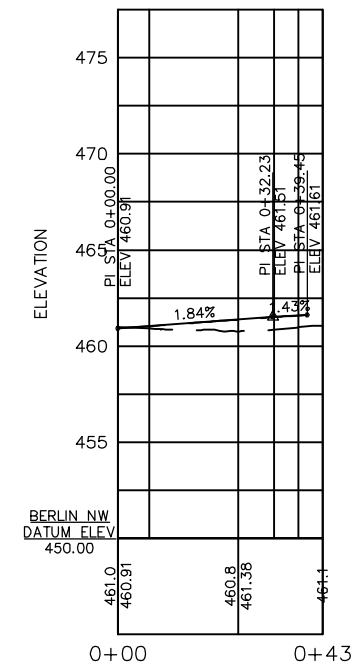
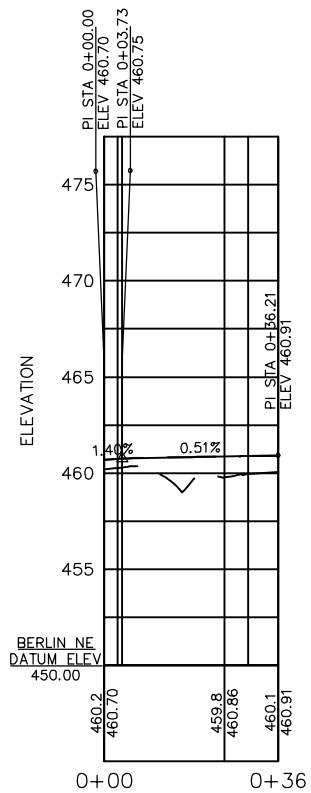
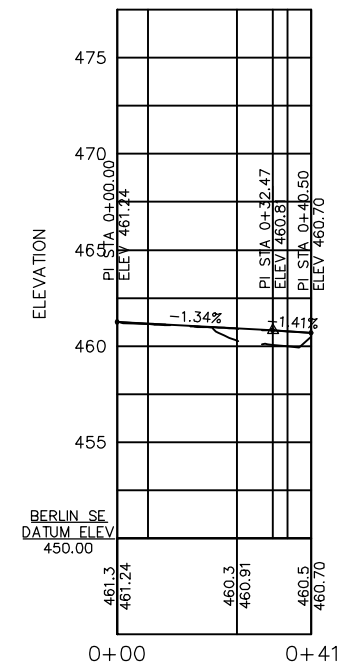
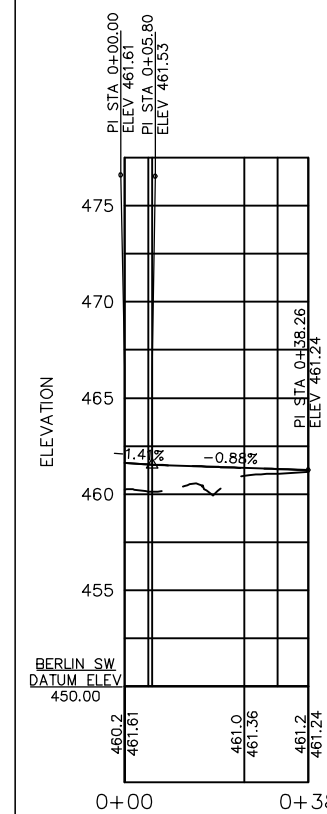
BERLIN SW							
NUMBER	START STA	START N E	RADIUS	LENGTH	LINE/CHORD BEARING	END STA	END N E
L60	0+00.00	479954.14 817690.45		5.00	S89° 44' 22"E	0+05.00	479954.12 817695.45
L61	0+05.00	479954.12 817695.45		0.80	S89° 44' 22"E	0+05.80	479954.12 817696.25
C47	0+05.80	479954.12 817696.25	16.58	26.12	S44° 36' 48"E	0+31.92	479937.38 817712.75
L62	0+31.92	479937.38 817712.75		6.34	S0° 30' 46"W	0+38.26	479931.04 817712.70

BERLIN NE							
NUMBER	START STA	START N E	RADIUS	LENGTH	LINE/CHORD BEARING	END STA	END N E
L57	0+00.00	479977.85 817755.56		2.70	N89° 44' 22"W	0+02.70	479977.86 817752.85
L58	0+02.70	479977.86 817752.85		1.03	N89° 44' 22"W	0+03.73	479977.86 817751.82
C46	0+03.73	479977.86 817751.82	16.58	26.13	N44° 35' 27"W	0+29.87	479994.61 817735.32
L59	0+29.87	479994.61 817735.32		6.35	N0° 33' 27"E	0+36.21	480000.95 817735.38

BERLIN SE							
NUMBER	START STA	START N E	RADIUS	LENGTH	LINE/CHORD BEARING	END STA	END N E
L63	0+00.00	479930.96 817730.70		6.49	N0° 30' 46"E	0+06.49	479937.45 817730.75
C48	0+06.49	479937.45 817730.75	16.58	25.98	N45° 23' 12"E	0+32.47	479953.88 817747.41
L64	0+32.47	479953.88 817747.41		3.04	S89° 44' 22"E	0+35.50	479953.87 817750.45
L65	0+35.50	479953.87 817750.45		5.00	S89° 44' 22"E	0+40.50	479953.85 817755.45

BERLIN N							
NUMBER	START STA	START N E	RADIUS	LENGTH	LINE/CHORD BEARING	END STA	END N E
L151	0+00.00	479965.98 817726.04		124.99	N0° 33' 22"E	1+24.99	480090.96 817727.25

BERLIN S							
NUMBER	START STA	START N E	RADIUS	LENGTH	LINE/CHORD BEARING	END STA	END N E
L152	0+00.00	479966.00 817722.01		125.00	S0° 30' 46"W	1+25.00	479841.00 817720.89



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 PROFESSIONAL DESIGN FIRM # 184-022895

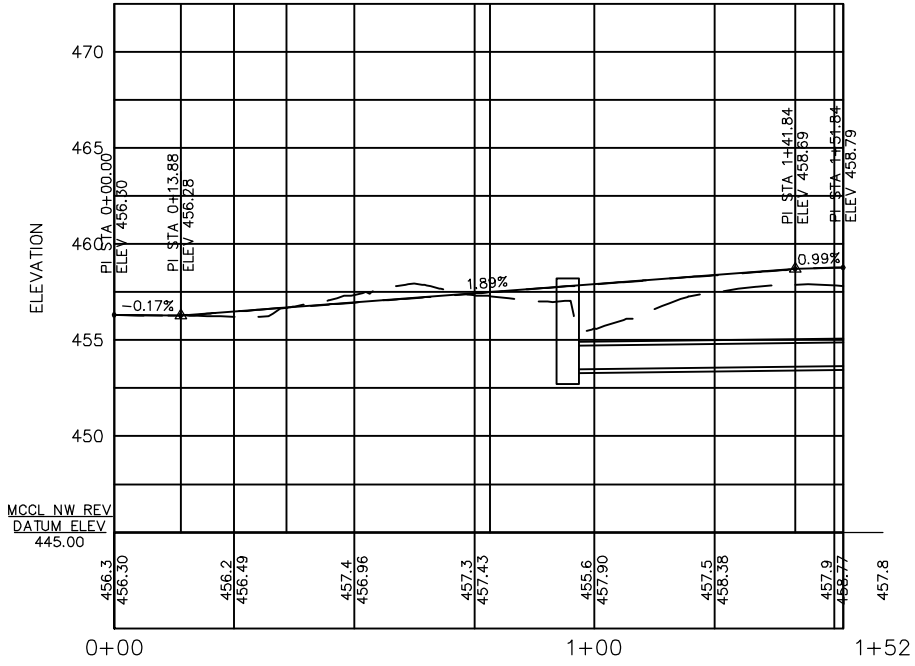
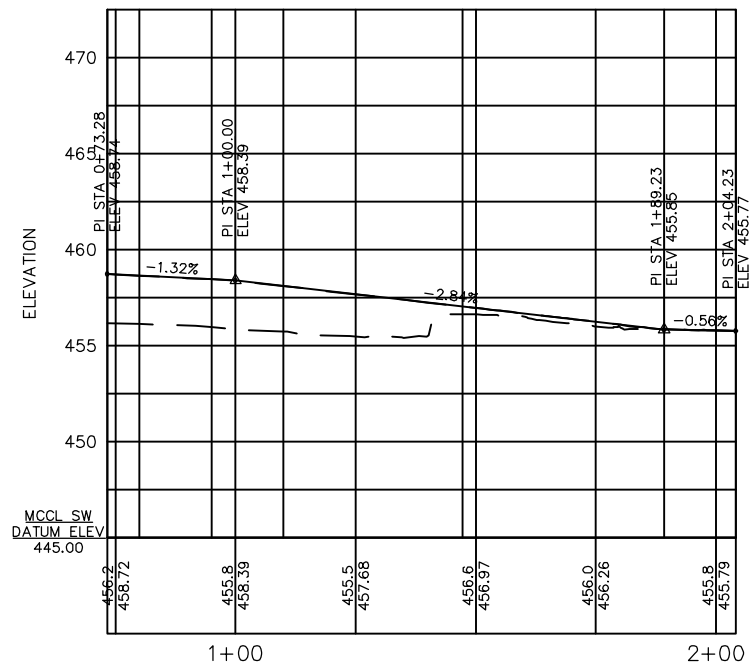
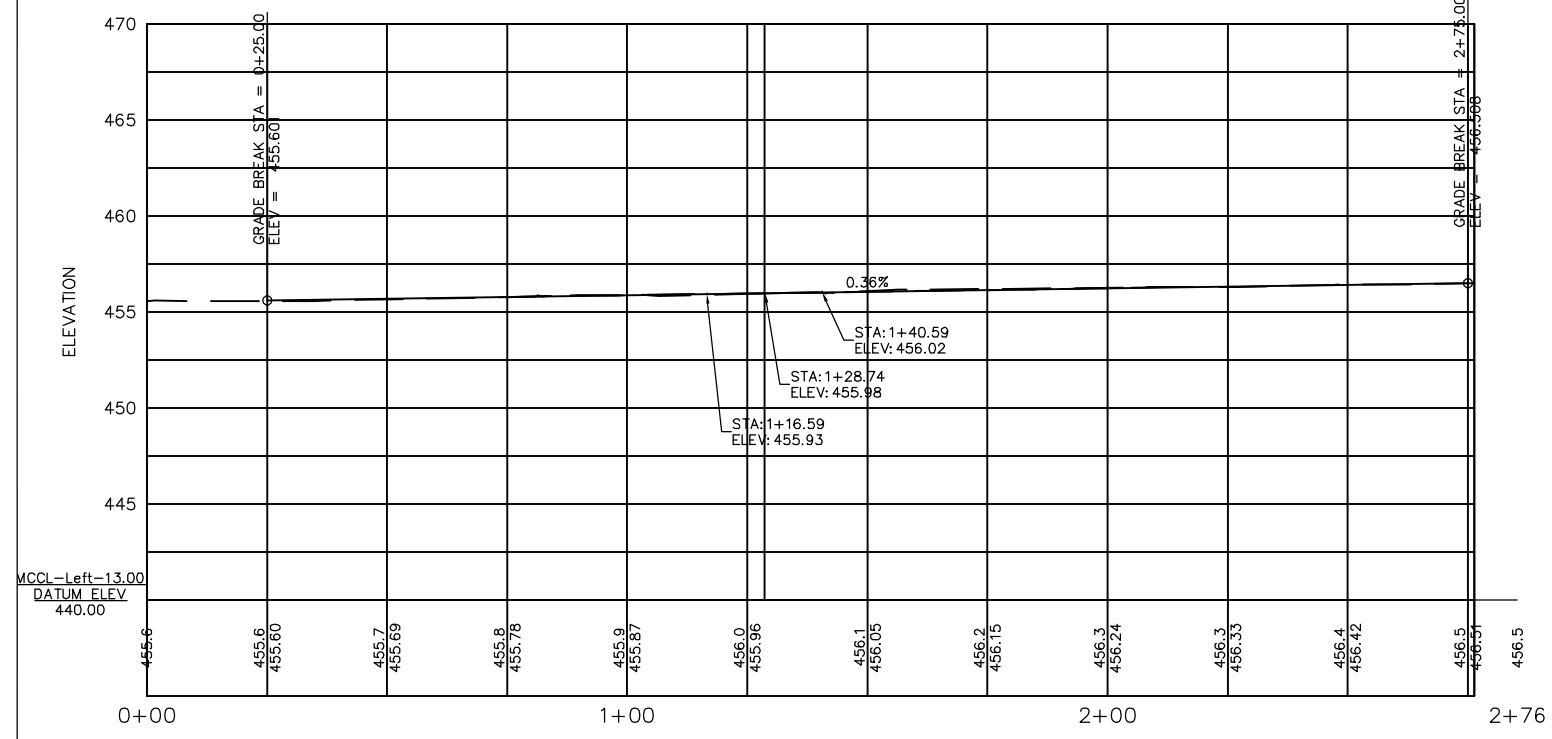
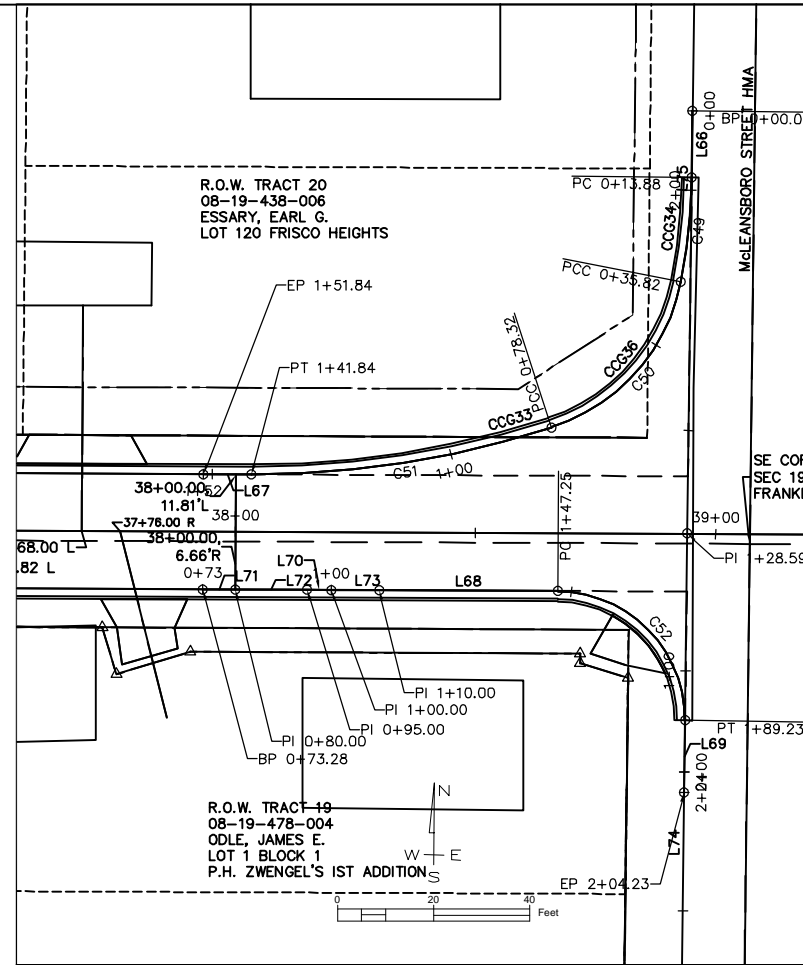
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 DRAWN - JHC
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 DATE - 03/09/20

SUBMITTAL - 08/16/21
 SUBMITTAL - 03/30/22
 REVISED - 08/05/22
 REVISED -

WASTENA STREET
 CITY OF BENTON, IL
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CURB RETURNS - DETAILS
WASTENA STREET
 SCALE: BAR SCALE SHEET 4 OF 5 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9450	11-00064-00-FP	FRANKLIN	63	25
STATE JOB NO. C-99-508-17		FED. AID PROJECT 4CA(821)		



MCCL NW REV							
NUMBER	START STA	START N E	RADIUS	LENGTH	LINE/CHORD BEARING	END STA	END N E
L66	0+00.00	480052.70 818030.69		13.88	S0° 42' 28"W	0+13.88	480038.82 818030.52
C49	0+13.88	480038.82 818030.52	120.00	21.94	S5° 56' 44"W	0+35.82	480017.03 818028.25
C50	0+35.82	480017.03 818028.25	40.00	42.50	S41° 37' 28"W	0+78.32	479986.73 818001.33
C51	0+78.32	479986.73 818001.33	200.00	63.51	S81° 09' 47"W	1+41.84	479977.01 817938.83
L67	1+41.84	479977.01 817938.83		10.00	N89° 44' 22"W	1+51.84	479977.06 817928.83

MCCL SW							
NUMBER	START STA	START N E	RADIUS	LENGTH	LINE/CHORD BEARING	END STA	END N E
L71	0+73.28	479953.06 817928.72		6.72	S89° 44' 22"E	0+80.00	479953.03 817935.44
L72	0+80.00	479953.03 817935.44		15.00	S89° 44' 22"E	0+95.00	479952.96 817950.44
L70	0+95.00	479952.96 817950.44		5.00	S89° 44' 22"E	1+00.00	479952.94 817955.44
L73	1+00.00	479952.94 817955.44		10.00	S89° 44' 22"E	1+10.00	479952.89 817965.44
L68	1+10.00	479952.89 817965.44		37.25	S89° 44' 22"E	1+47.25	479952.72 818002.69
C52	1+47.25	479952.72 818002.69	26.58	41.99	S44° 29' 21"E	1+89.23	479925.79 818029.15
L69	1+89.23	479925.79 818029.15		15.00	S0° 42' 28"W	2+04.23	479910.79 818028.96

MCCL-Left-13.00							
NUMBER	START STA	START N E	RADIUS	LENGTH	LINE/CHORD BEARING	END STA	END N E
L74	0+00.00	479836.13 818028.02		128.59	N0° 42' 28"E	1+28.59	479964.70 818029.61
L75	1+28.59	479964.70 818029.61		147.83	N0° 42' 28"E	2+76.41	480112.52 818031.43

JOHN H. CRAWFORD & ASSOCIATES, P.C.
 CIVIL ENGINEERS, LAND SURVEYORS
 201 SOUTH DIVISION STREET, CARTERVILLE, ILLINOIS 62019
 PHONE (815) 985-6370 FAX (815) 985-6292
 PROFESSIONAL DESIGN FIRM # 184-002895

USER NAME =
 DESIGNED - JHC
 DRAWN - JHC
 PLOT SCALE =
 CHECKED - RLP
 PLOT DATE =
 DATE - 03/09/20

SUBMITTAL - 08/16/21
 SUBMITTAL - 03/30/22
 REVISED -
 REVISED -

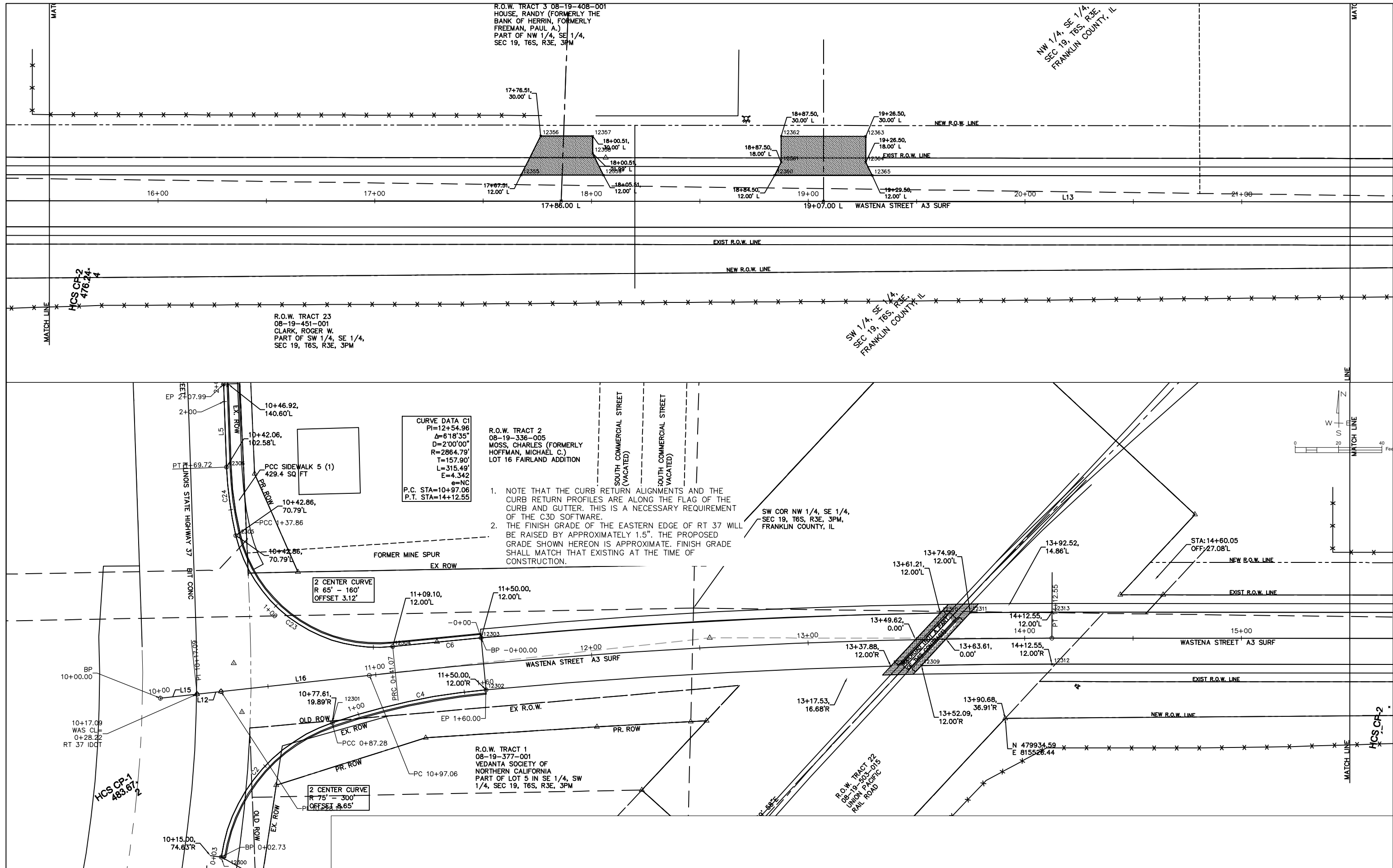
WASTENA STREET
 CITY OF BENTON, IL
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CURB RETURNS - DETAILS
WASTENA STREET

SCALE: BAR SCALE SHEET 5 OF 5 SHEETS STA. TO STA.

F.A.U. R.T.E. 9450 SECTION 11-00064-00-FP COUNTY FRANKLIN TOTAL SHEETS 63 SHEET NO. 26
 CONTRACT NO. 99671
 STATE JOB NO. C-99-508-17 FED. AID PROJECT 4CA(821)

C:\Civil 3D Projects\Wastena Street\1 JHCA WASTENA STREET\121621.dwg, 26A LAYOUT 1, 9/20/2022 12:25:19 PM



CURVE DATA C1
 PI=12+54.96
 Δ=6°18'35"
 D=2'00"00"
 R=2864.79'
 T=157.90'
 L=315.49'
 E=4.342
 e=NC
 P.C. STA=10+97.06
 P.T. STA=14+12.55

R.O.W. TRACT 2
 08-19-336-005
 MOSS, CHARLES (FORMERLY
 HOFFMAN, MICHAEL C.)
 LOT 16 FAIRLAND ADDITION

- NOTE THAT THE CURB RETURN ALIGNMENTS AND THE CURB RETURN PROFILES ARE ALONG THE FLAG OF THE CURB AND GUTTER. THIS IS A NECESSARY REQUIREMENT OF THE C3D SOFTWARE.
- THE FINISH GRADE OF THE EASTERN EDGE OF RT 37 WILL BE RAISED BY APPROXIMATELY 1.5". THE PROPOSED GRADE SHOWN HEREON IS APPROXIMATE. FINISH GRADE SHALL MATCH THAT EXISTING AT THE TIME OF CONSTRUCTION.

R.O.W. TRACT 1
 08-19-377-001
 VEDANTA SOCIETY OF
 NORTHERN CALIFORNIA
 PART OF LOT 5 IN SE 1/4, SW
 1/4, SEC 19, T6S, R3E, 3PM

JOHN H. CRAWFORD & ASSOCIATES, P.C.
 CIVIL ENGINEERS, LAND SURVEYORS
 201 SOUTH DIVISION STREET, CARTERSVILLE, ILLINOIS 62919
 PHONE (618) 985-6370 FAX (618) 985-6932
 PROFESSIONAL DESIGN FIRM # 184-020895

USER NAME =	DESIGNED - JHC	SUBMITTAL - 08/16/21
PLOT SCALE =	DRAWN - JHC	SUBMITTAL - 03/30/22
PLOT DATE =	CHECKED - RLP	REVISED -
	DATE - 03/09/20	REVISED -

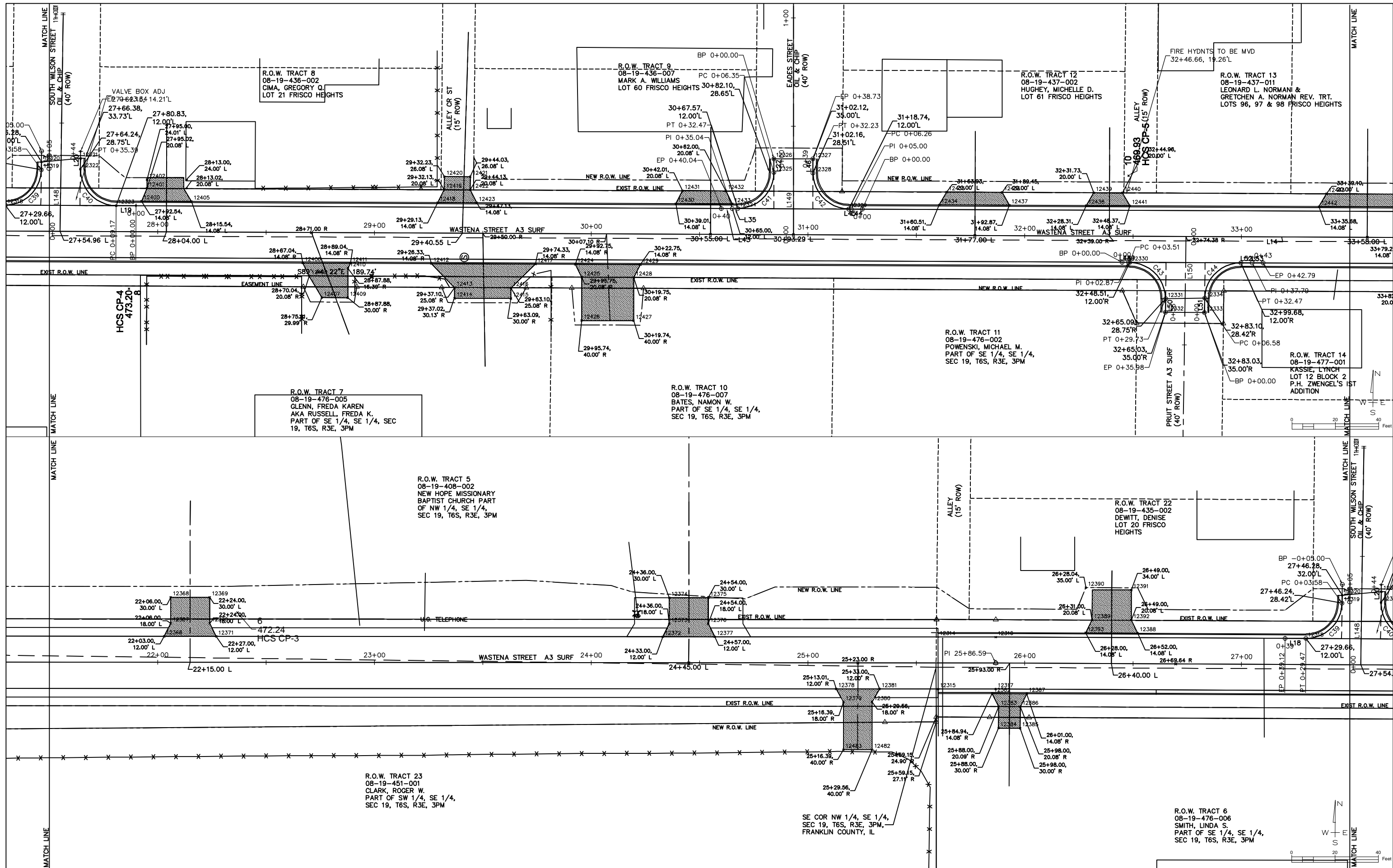
**CITY OF BENTON
 FRANKLIN COUNTY, IL
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**LAYOUT
 WASTENA STREET**

SCALE: BAR SCALE SHEET 1 OF 3 SHEETS STA. 10+00.00 TO STA. 21+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9450	11-00064-00-FP	FRANKLIN	63	26A
CONTRACT NO. 99671				
STATE JOB NO. C-99-508-17 FED. AID PROJECT 4CAG(821)				

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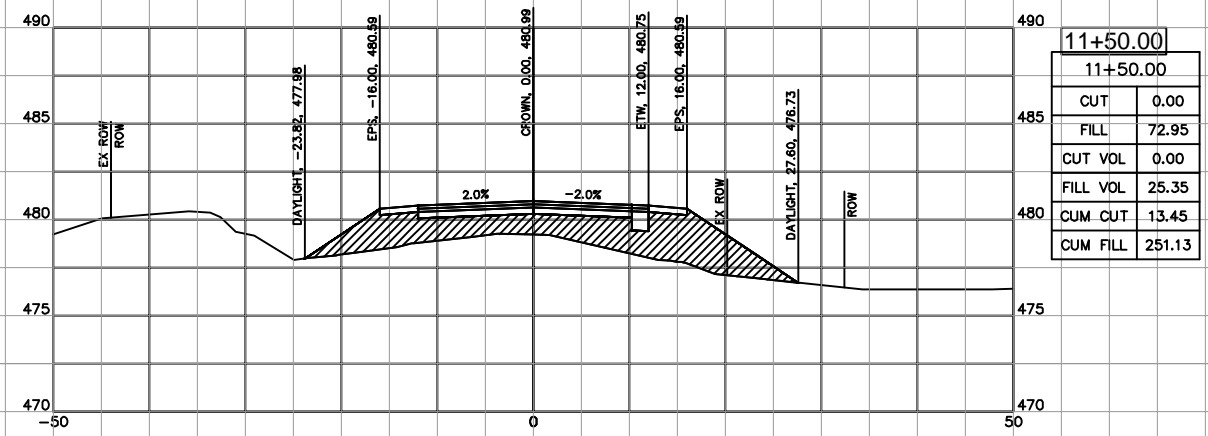
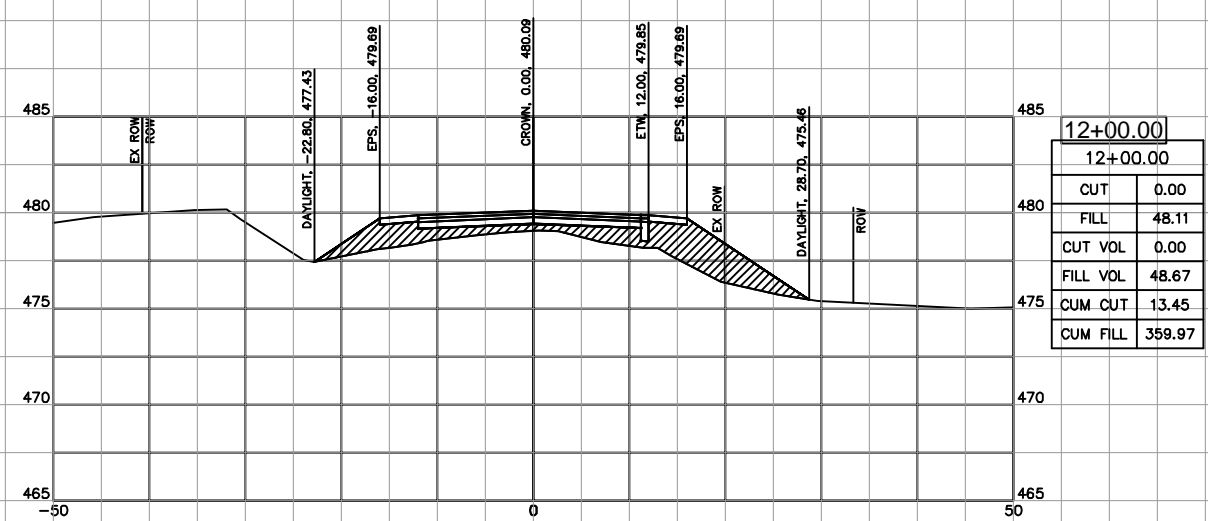
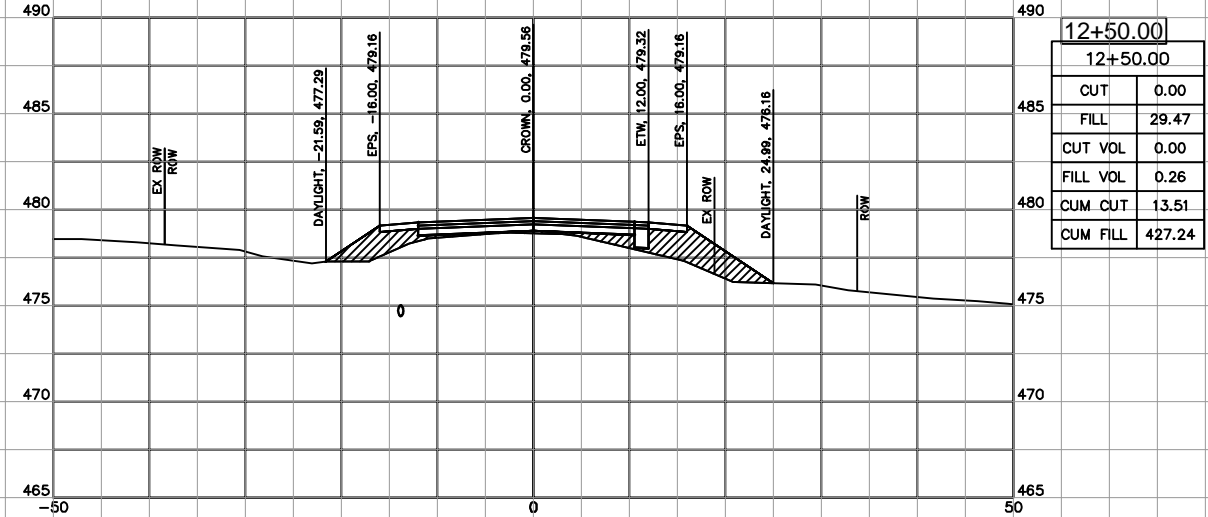
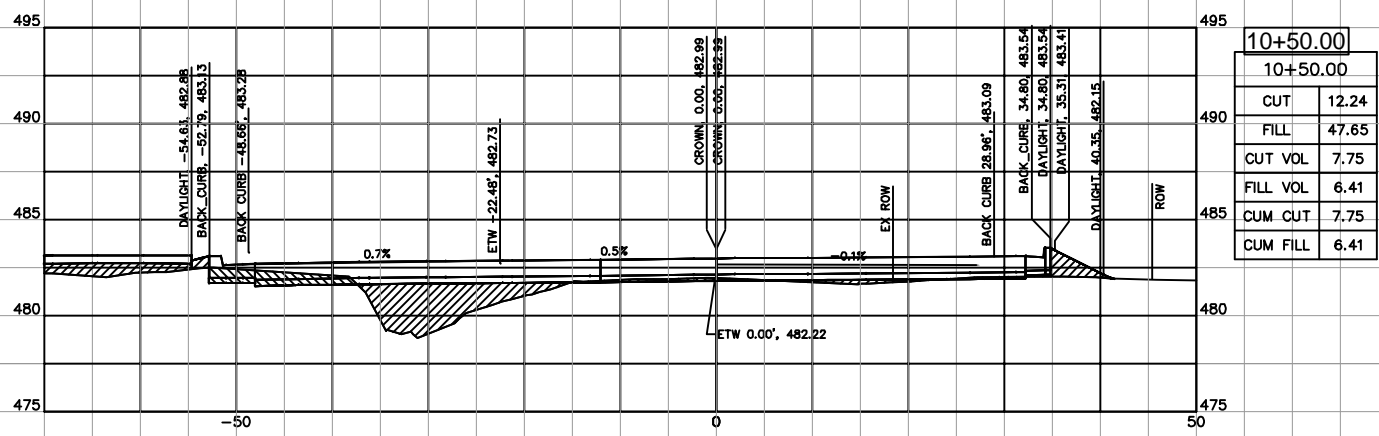
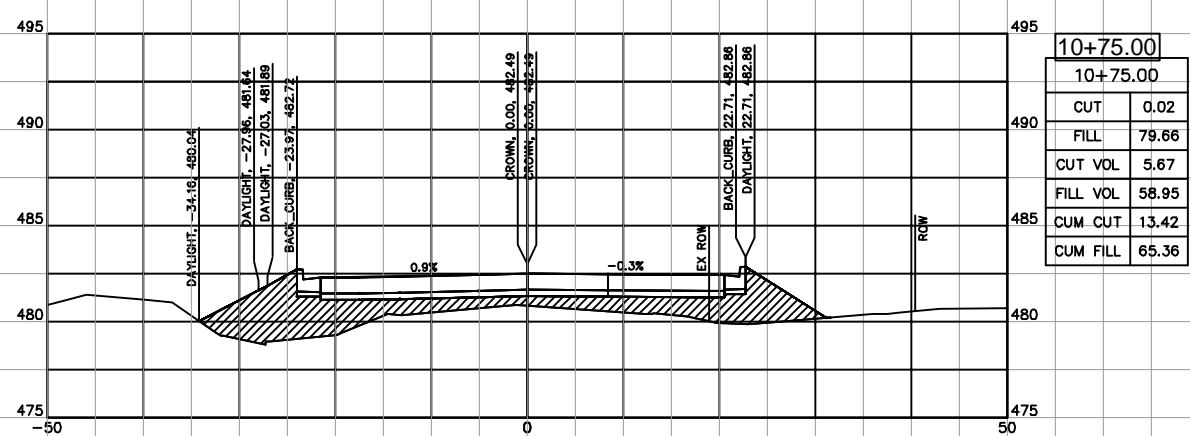
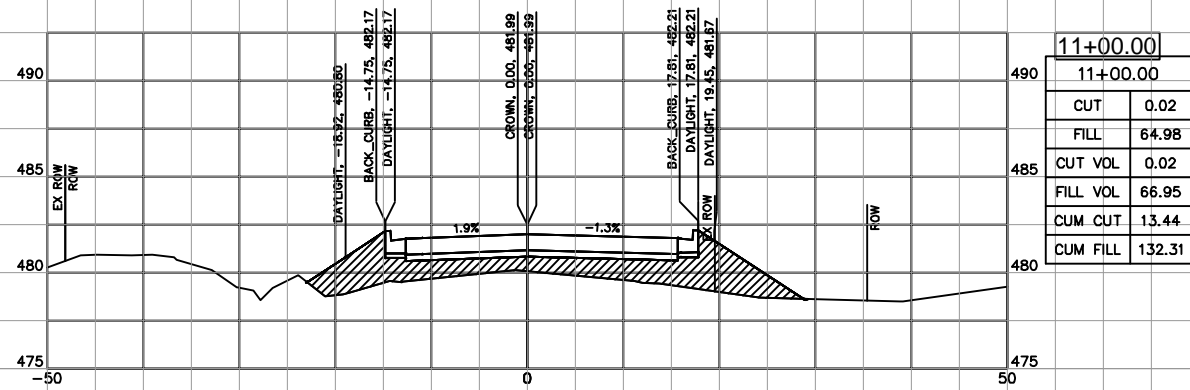
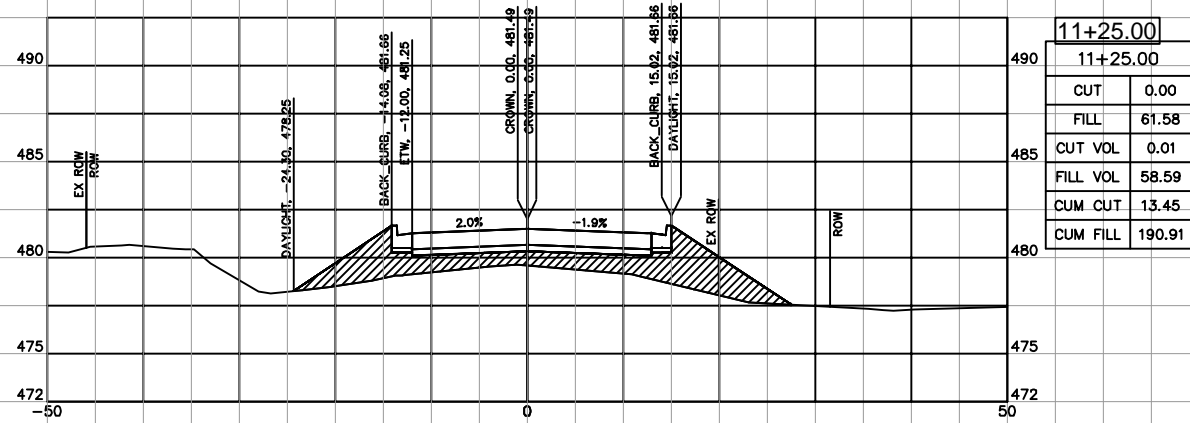
JOHN H. CRAWFORD & ASSOCIATES, P.C.
 CIVIL ENGINEERS, LAND SURVEYORS
 201 SOUTH DIVISION STREET, CARTERVILLE, ILLINOIS 62934
 PHONE (618) 985-6370 FAX (618) 985-6292
 PROFESSIONAL DESIGN FIRM # 184-022895

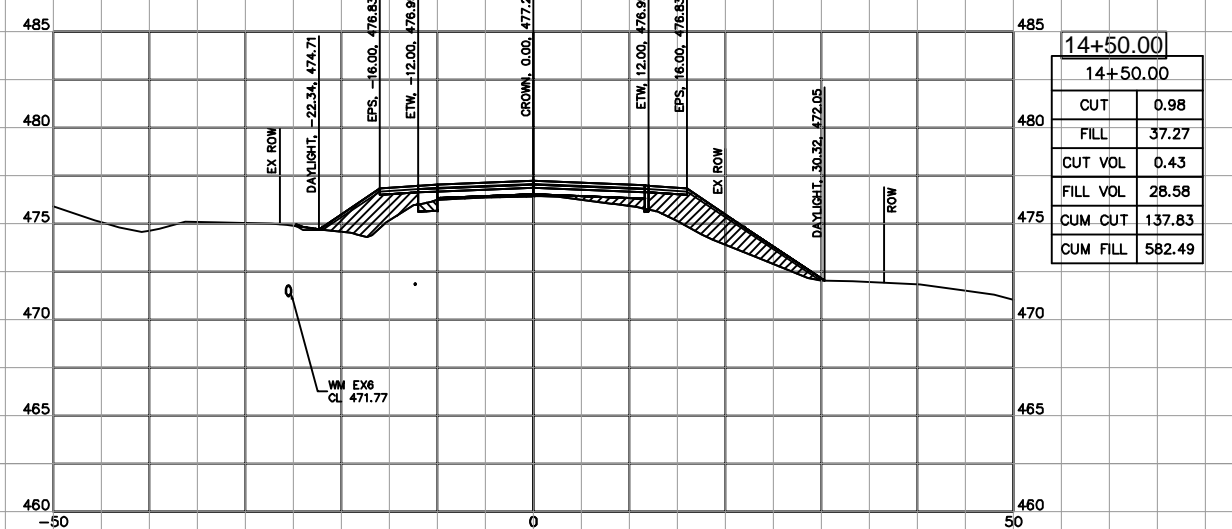
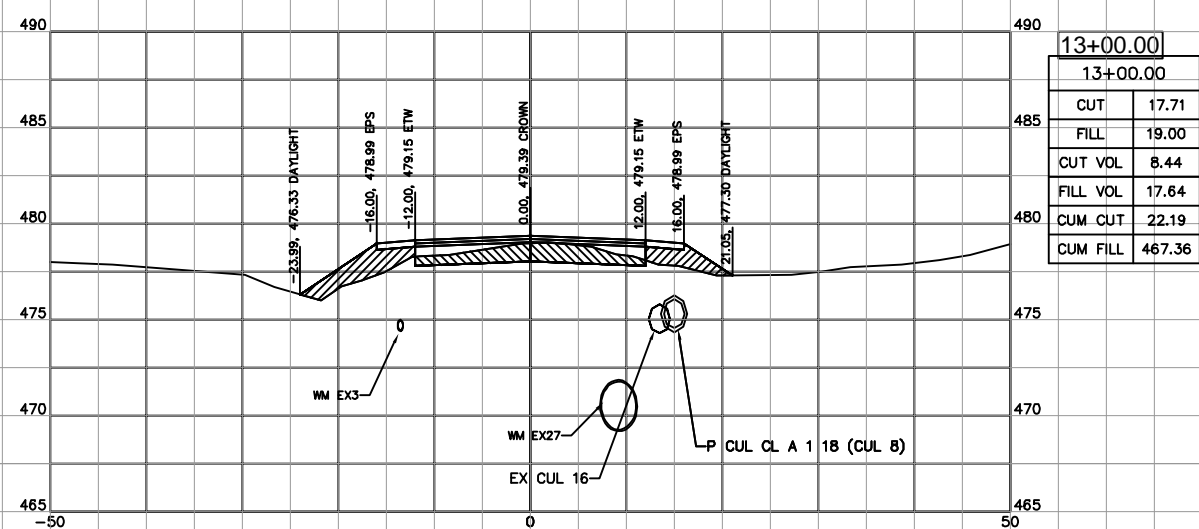
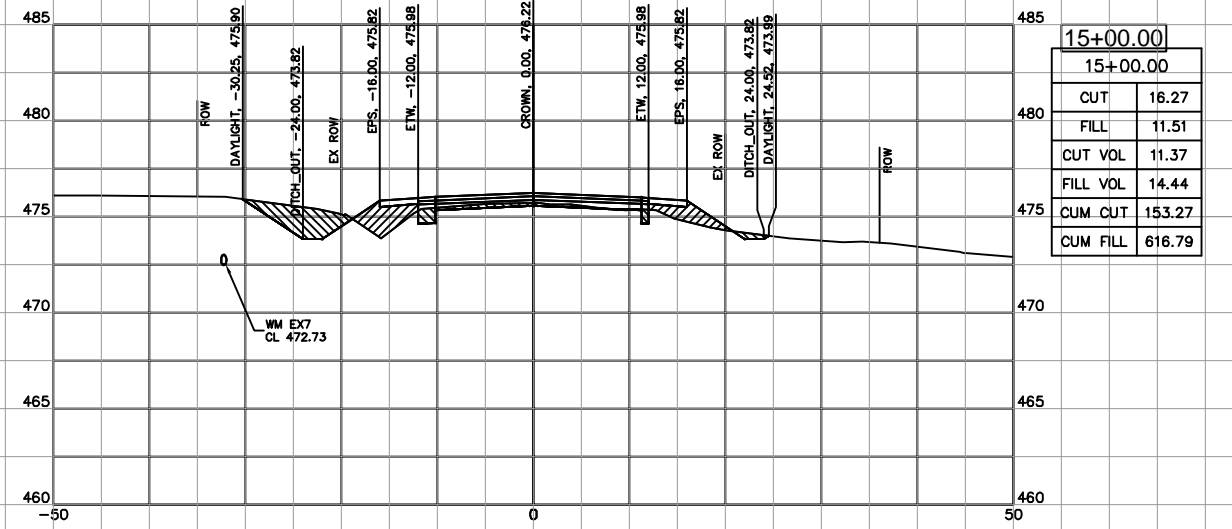
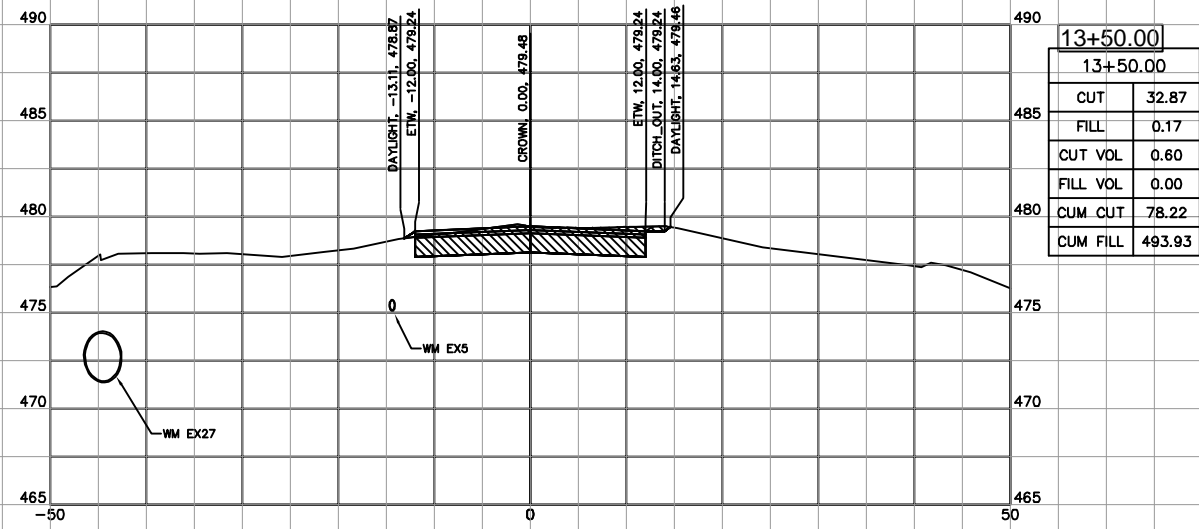
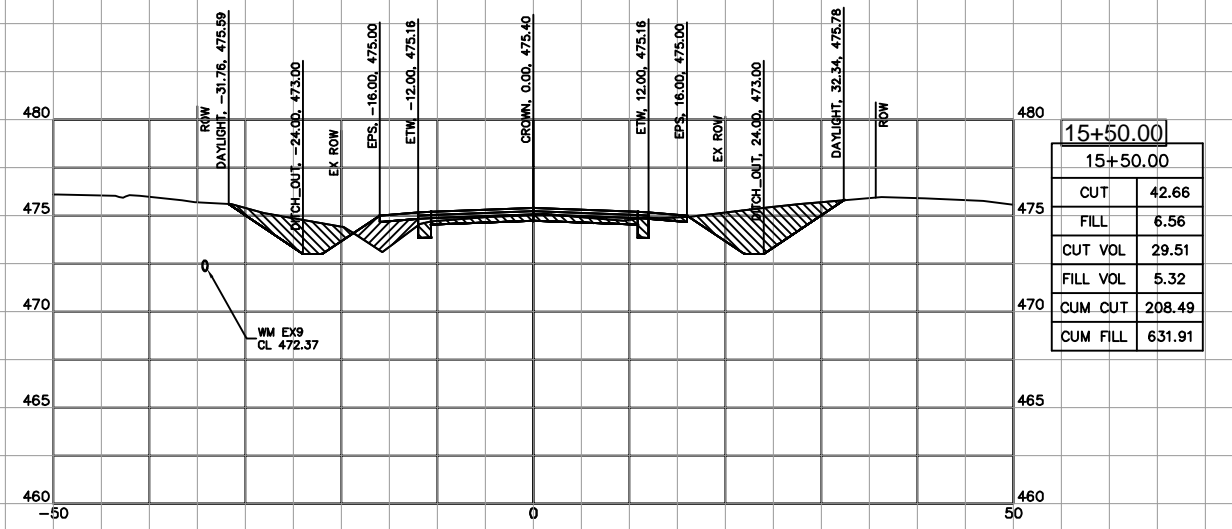
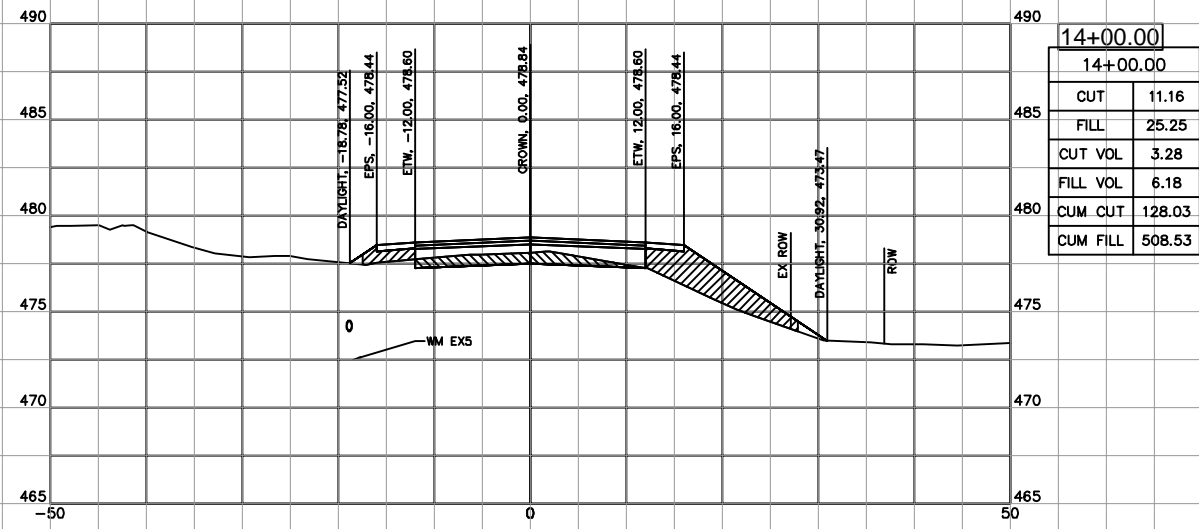
USER NAME =	DESIGNED - JHC	SUBMITTAL - 08/16/21
PLOT SCALE =	DRAWN - JHC	SUBMITTAL - 03/30/22
PLOT DATE =	CHECKED - RLP	REVISED -
	DATE - 03/09/20	REVISED -

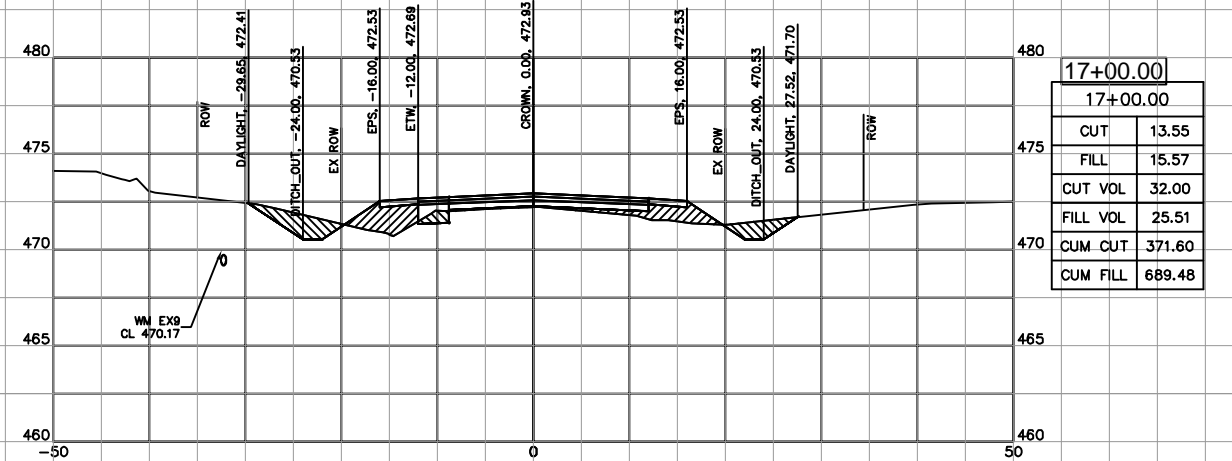
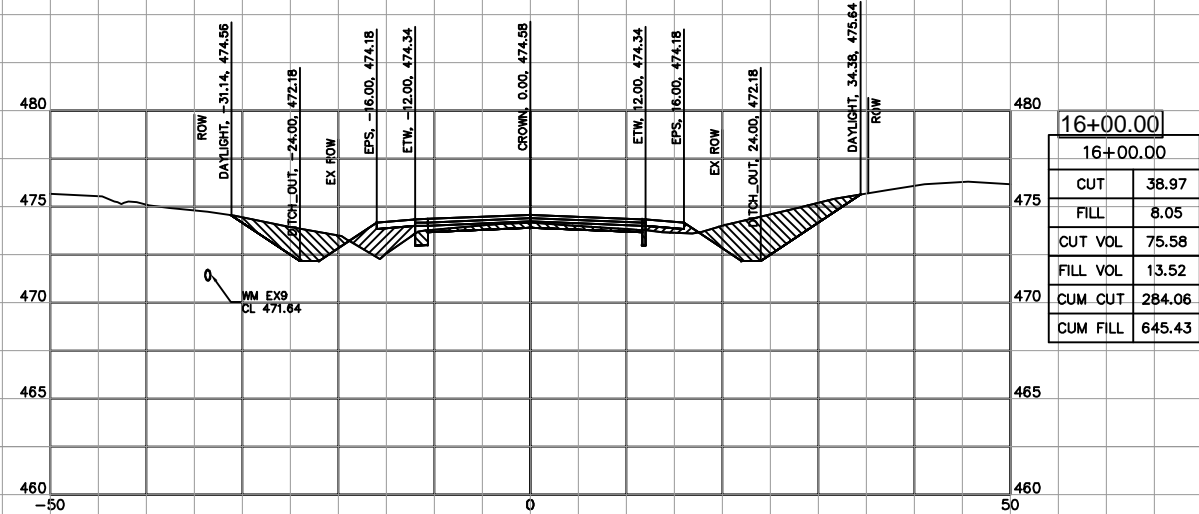
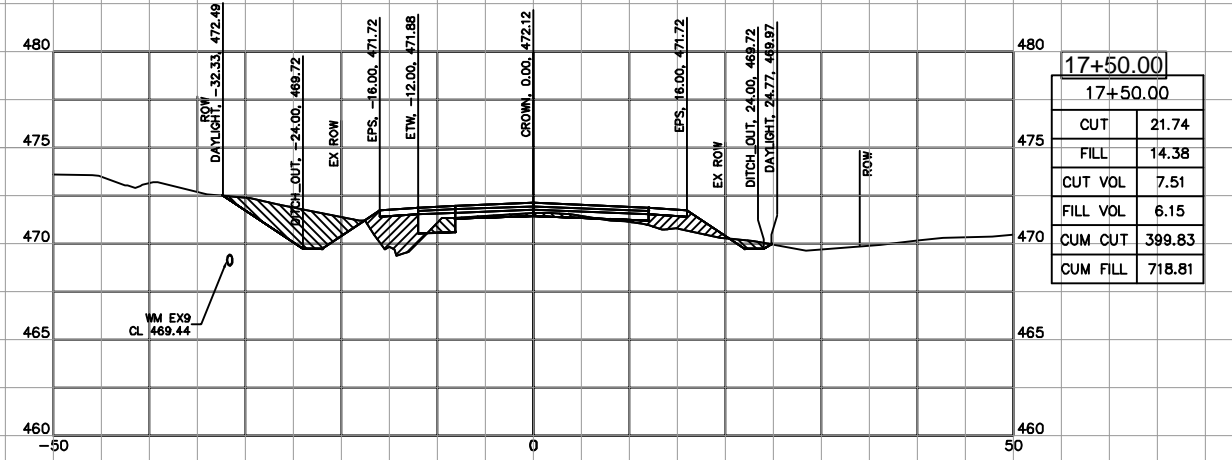
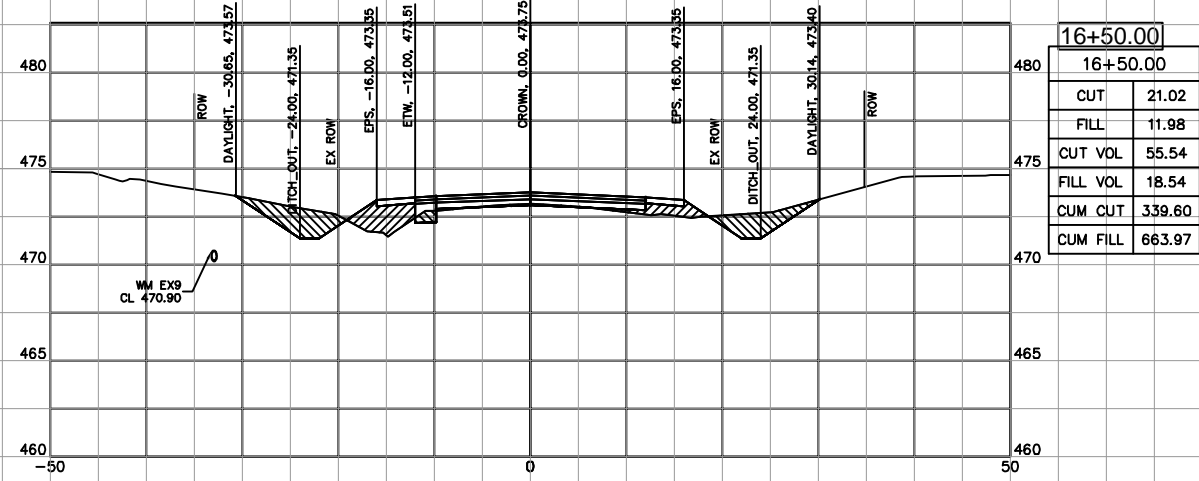
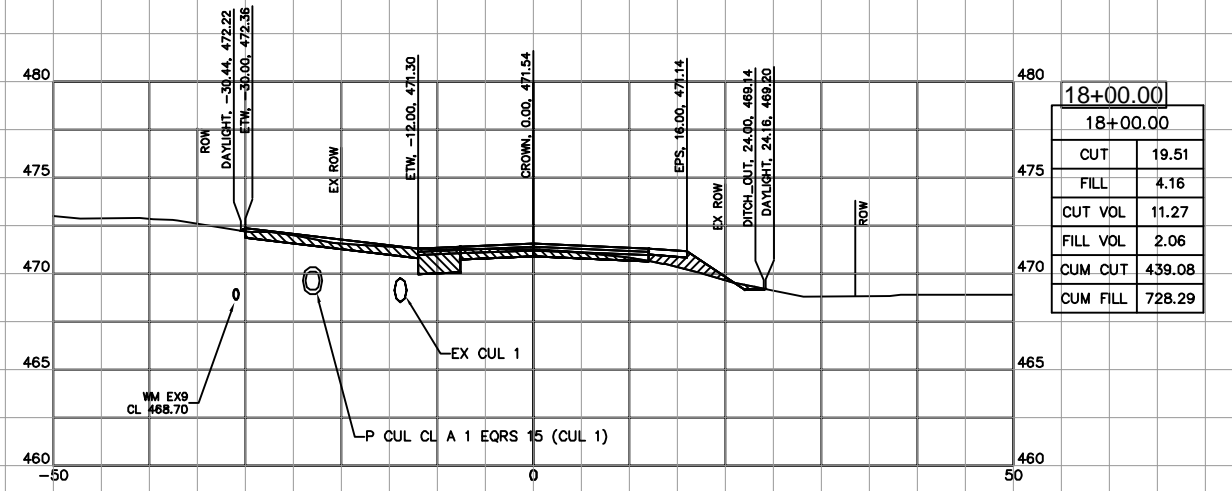
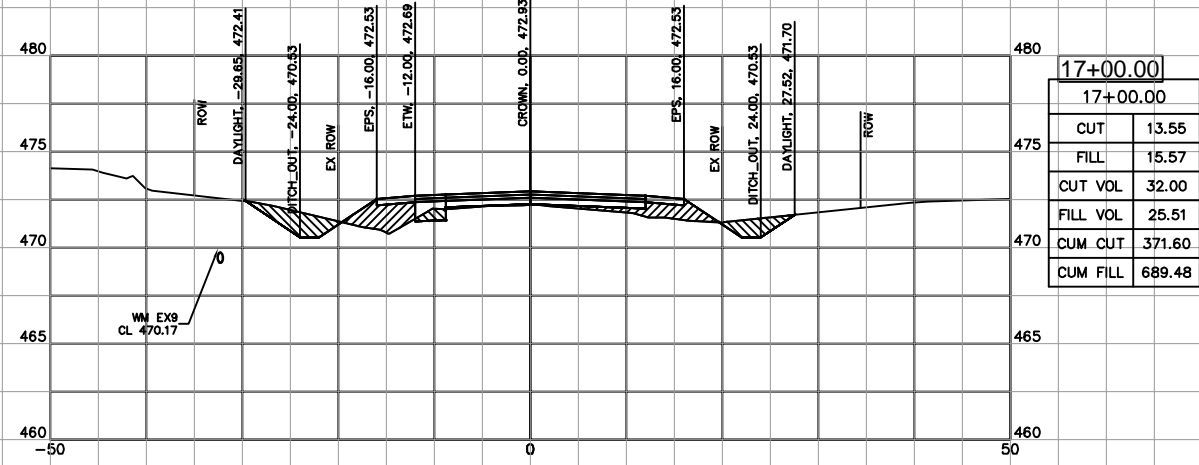
**CITY OF BENTON
 FRANKLIN COUNTY, IL
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

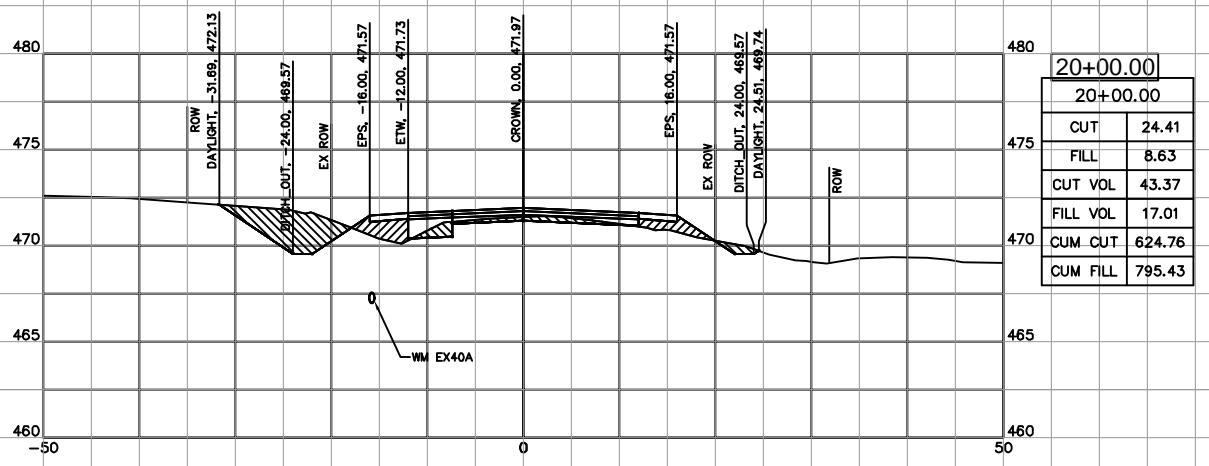
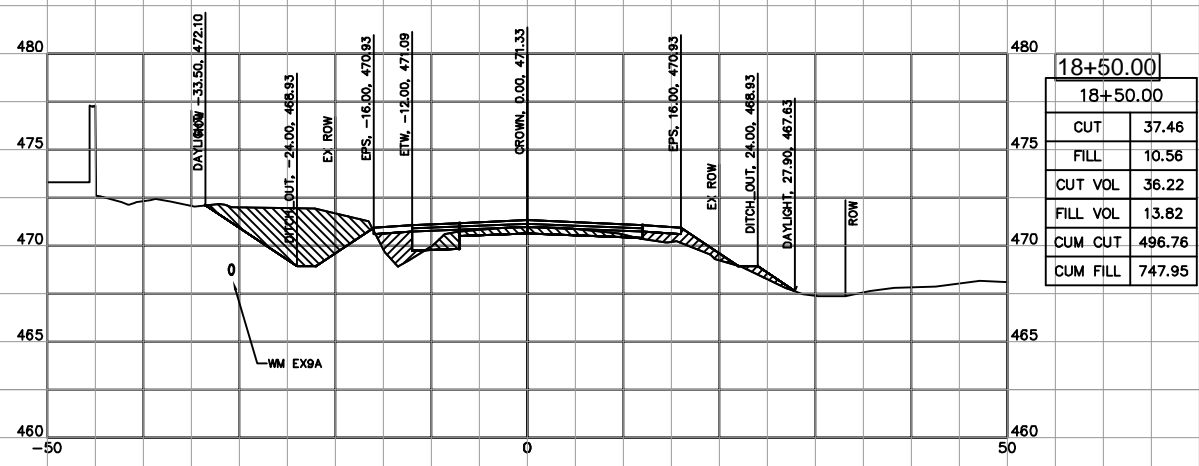
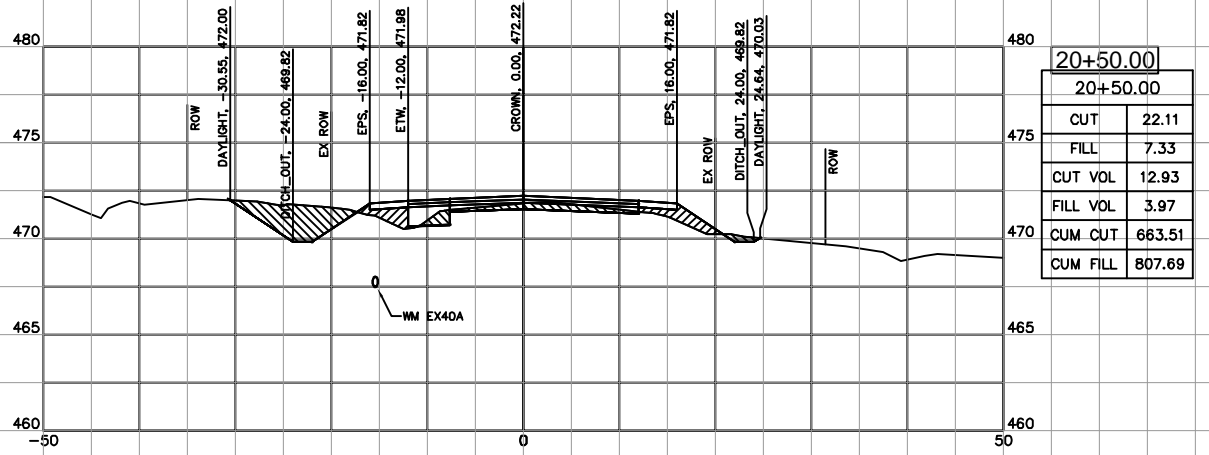
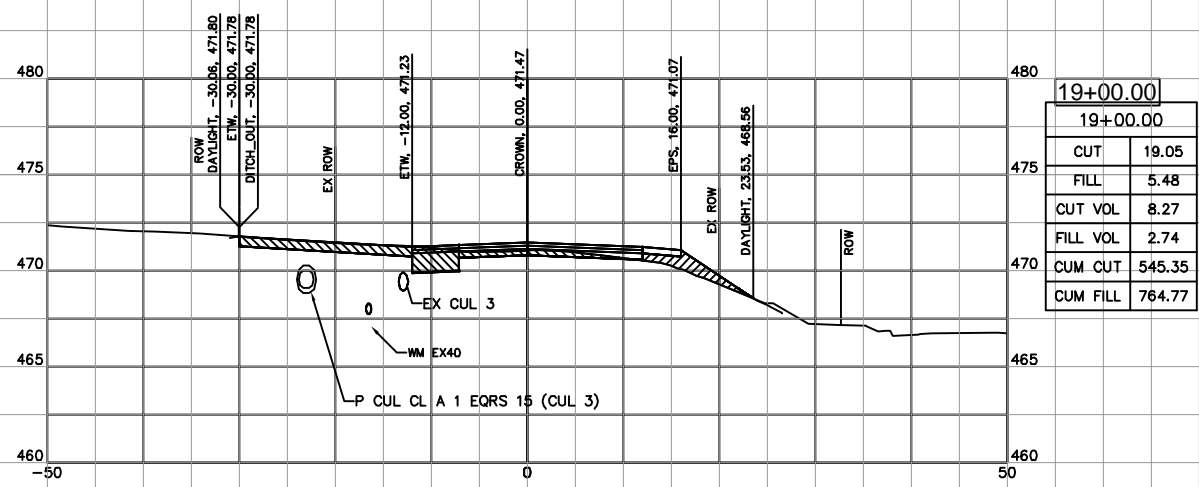
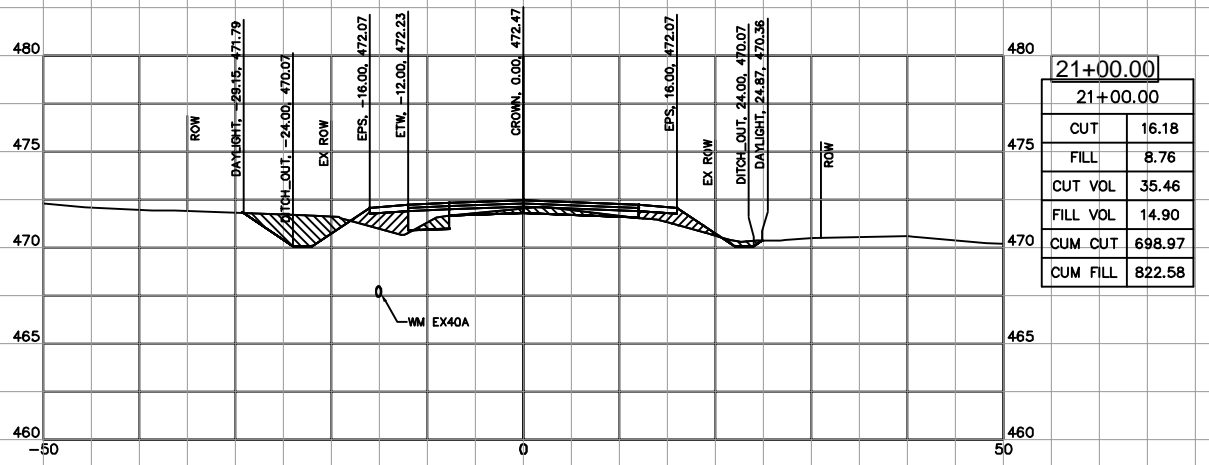
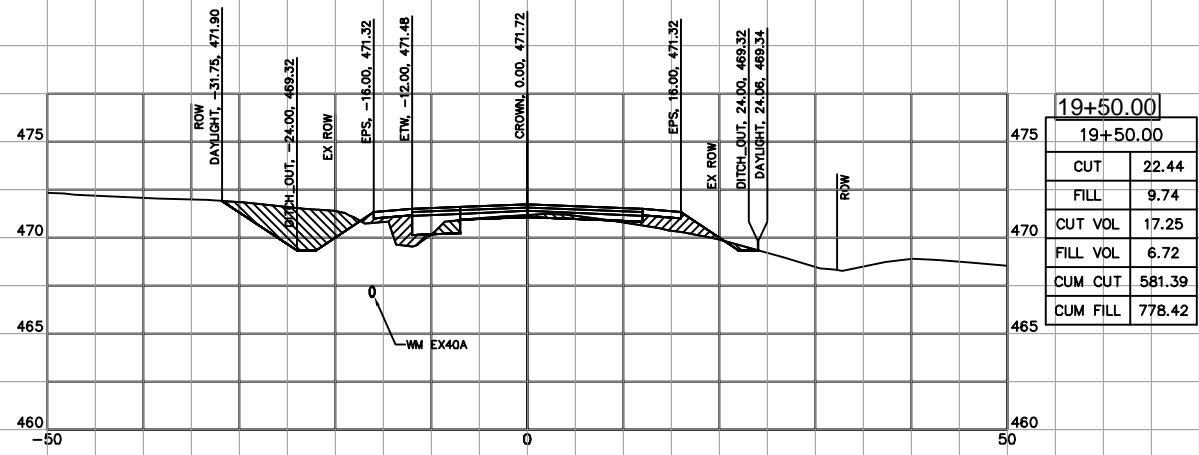
**LAYOUT
 WASTENA STREET**
 SCALE: BAR SCALE SHEET 2 OF 3 SHEETS STA. 21+50.00 TO STA. 33+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9450	11-00064-00-FP	FRANKLIN	63	26B
STATE JOB NO. C-99-508-17		FED. AID PROJECT 4CA(821)		









USER NAME =
 DESIGNED - JHC
 DRAWN - JHC
 CHECKED - RLP
 DATE - 03/09/20

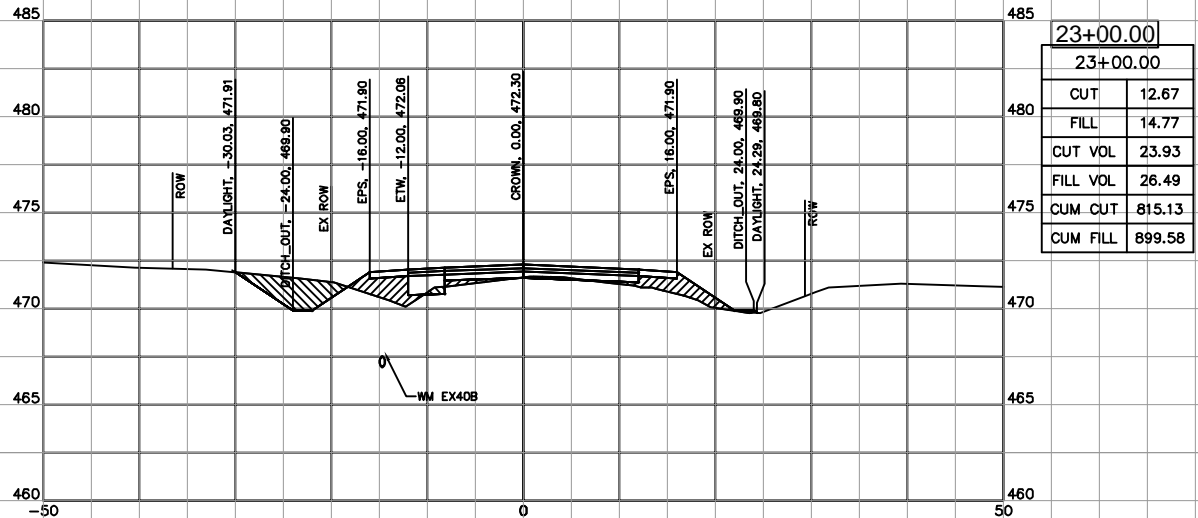
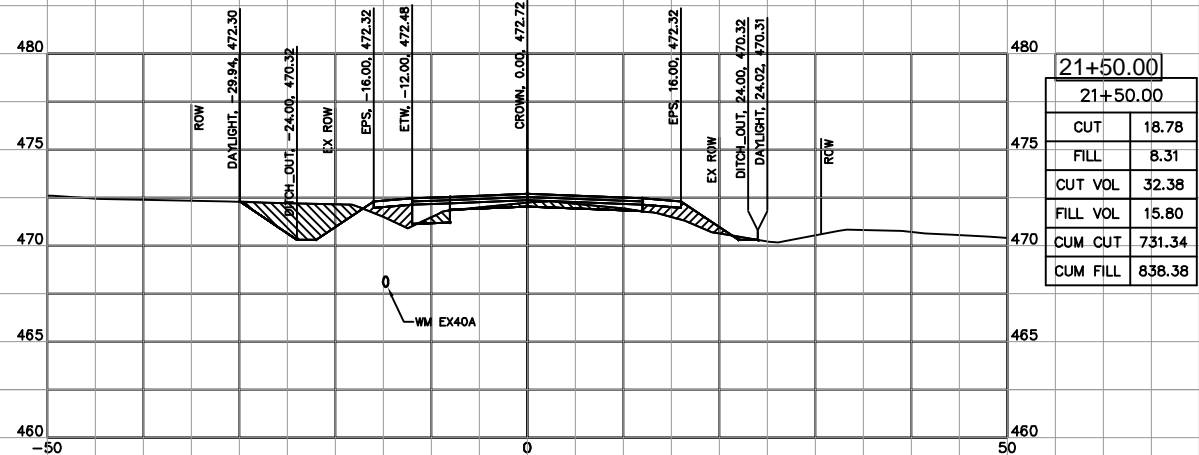
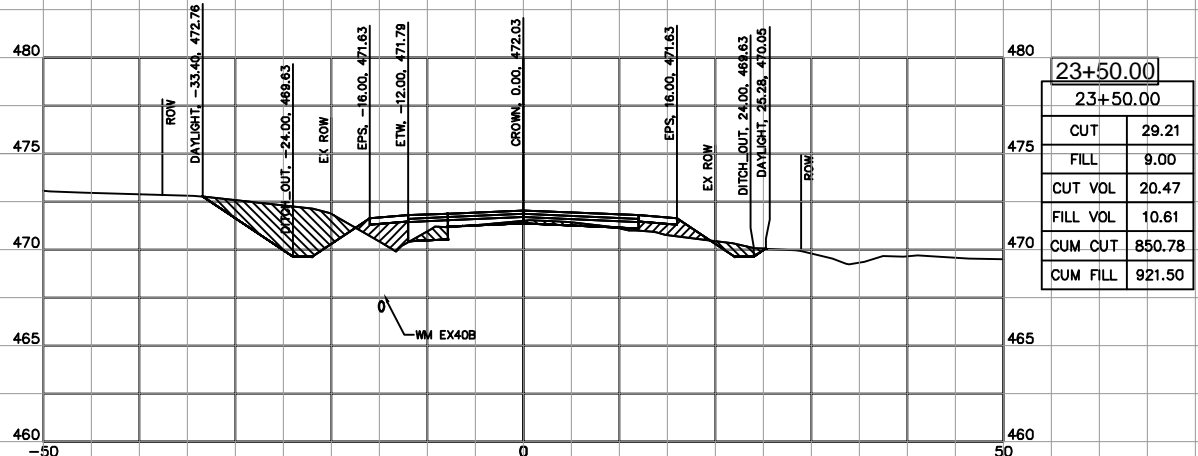
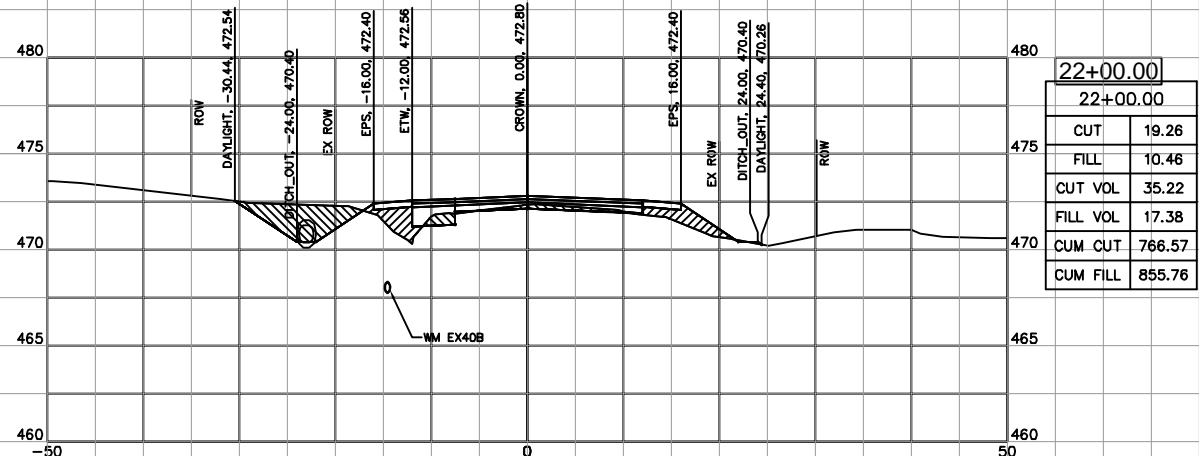
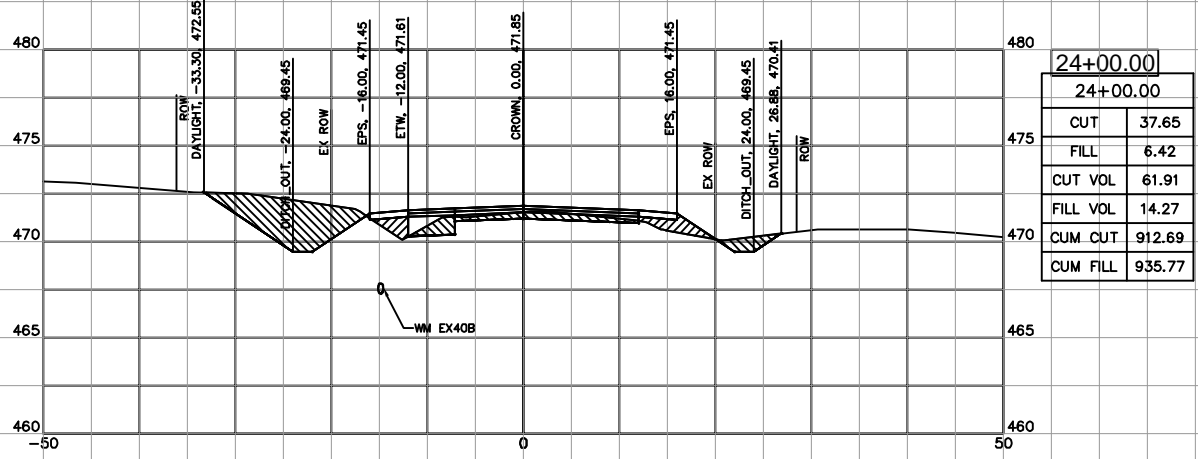
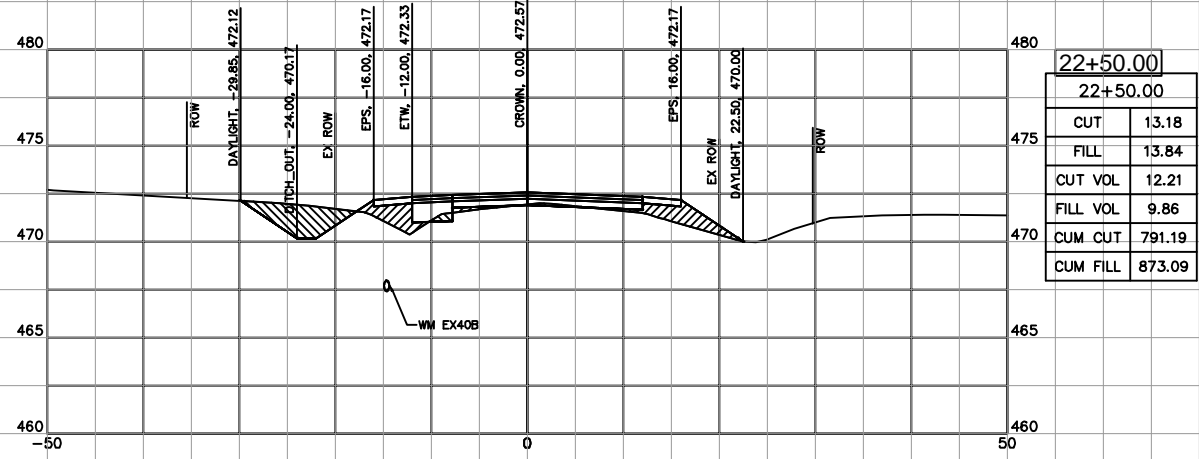
SUBMITTAL - 08/16/21
 SUBMITTAL - 03/30/22
 REVISED -
 REVISED -

WASTENA STREET
 CITY OF BENTON, IL
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
WASTENA STREET

SCALE: BAR SCALE SHEET 4 OF 11 SHEETS STA. 18+50.00 TO STA. 21+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9450	11-00064-00-FP	FRANKLIN	63	30
STATE JOB NO. C-99-508-17			FED. AID PROJECT 4CA(821)	
CONTRACT NO. 99671				



JOHN H. CRAWFORD & ASSOCIATES, P.C.
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 201 SOUTH DIVISION STREET, CARTEVILLE, ILLINOIS 62931
 PHONE (618) 985-6370 FAX (618) 985-6392
 PROFESSIONAL DESIGN FIRM # 184-002895

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 DATE - 03/09/20

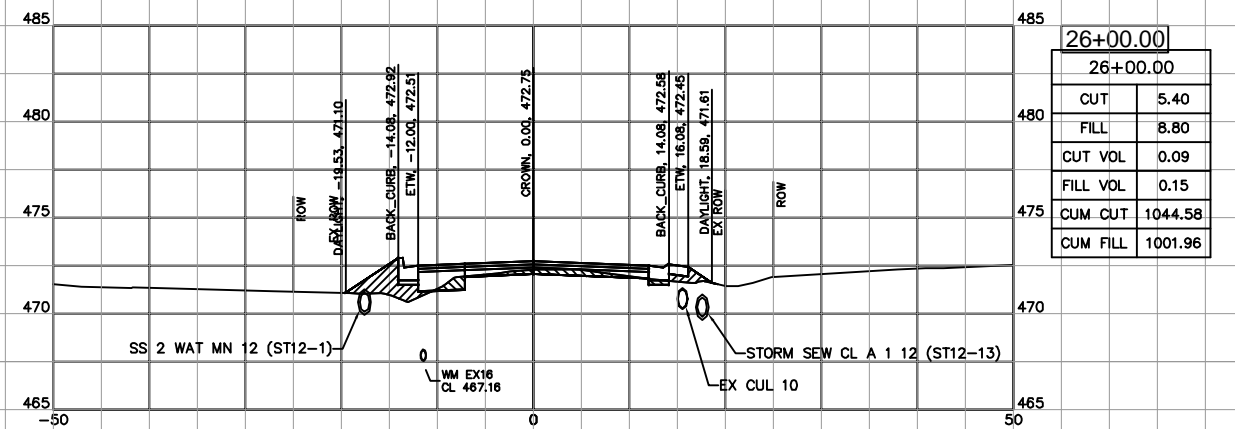
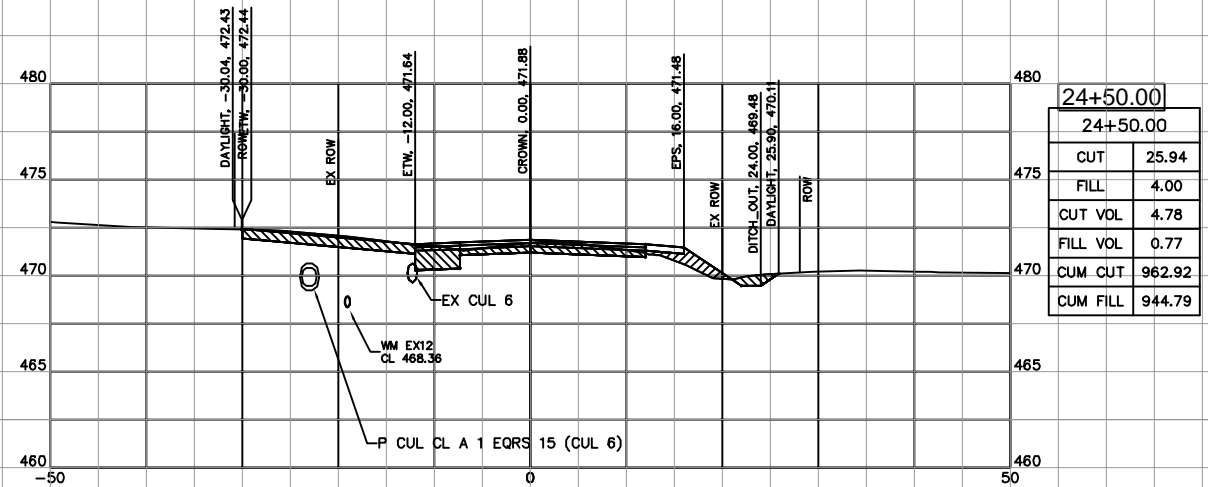
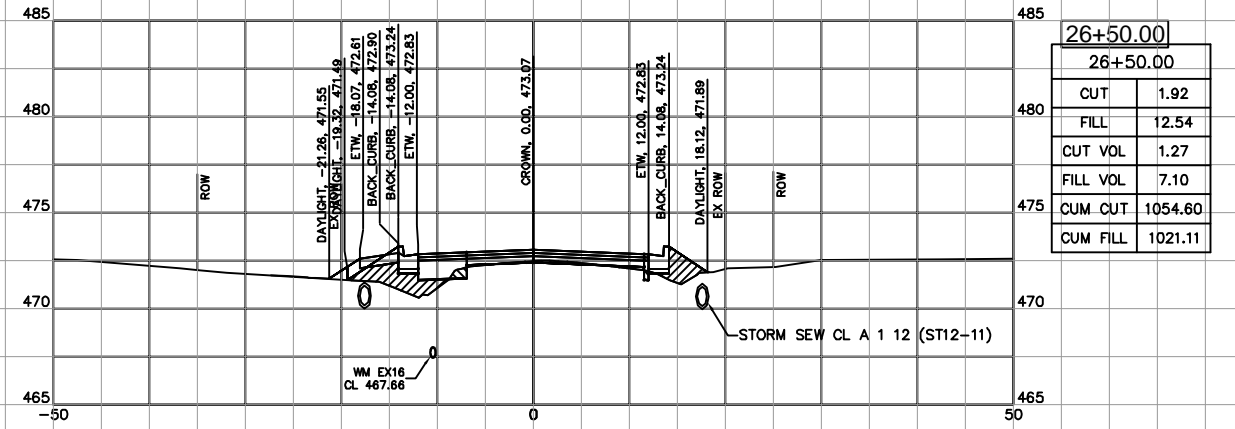
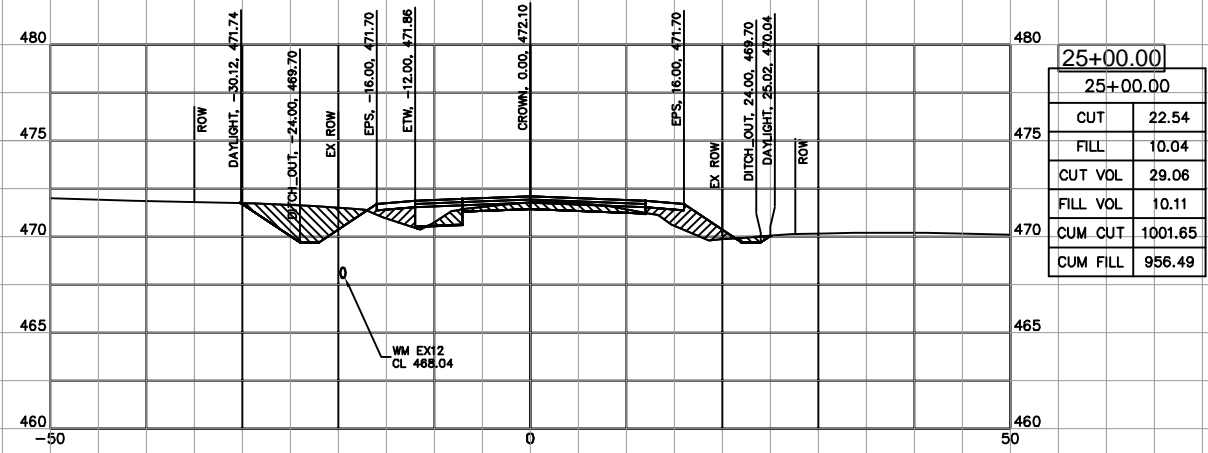
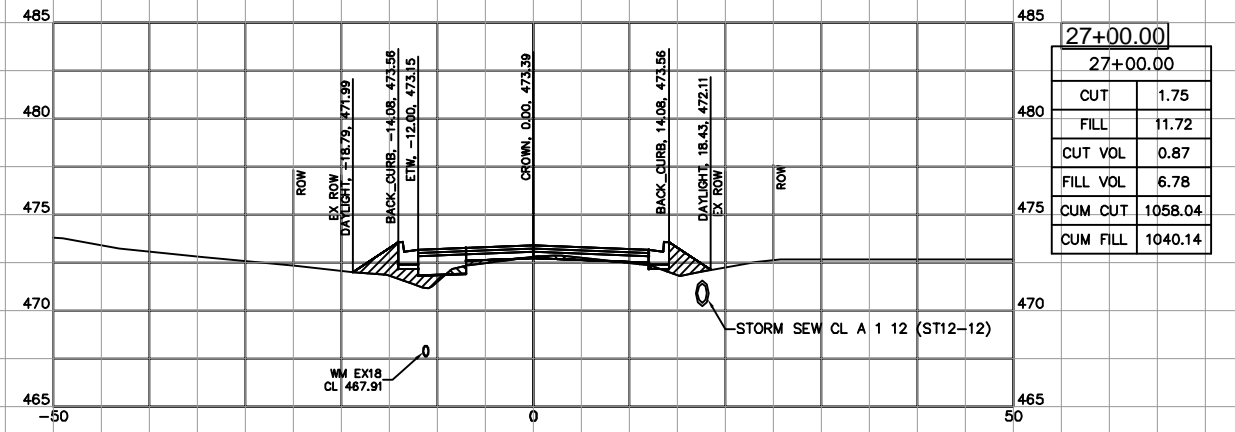
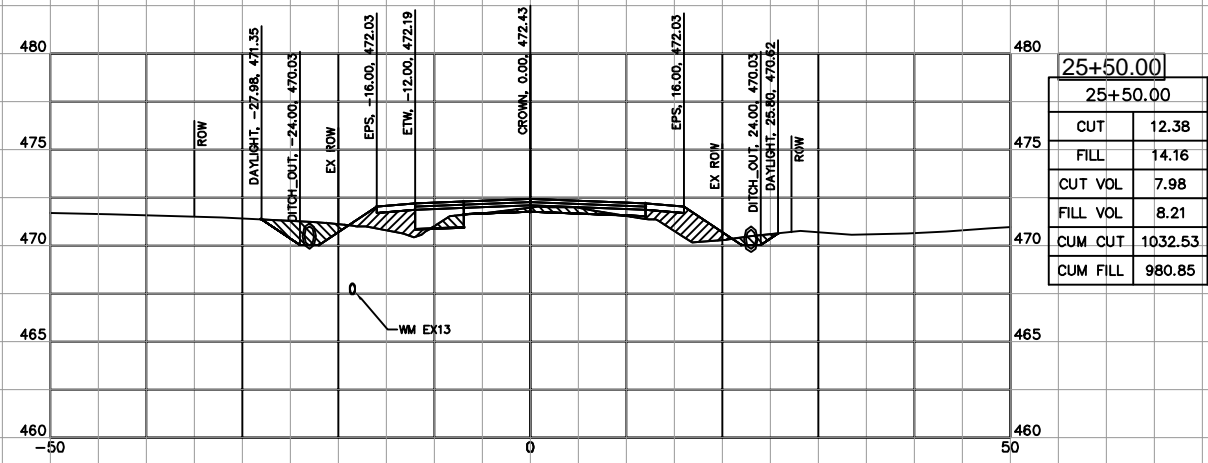
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 DRAWN - JHC
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 DATE - 03/09/20

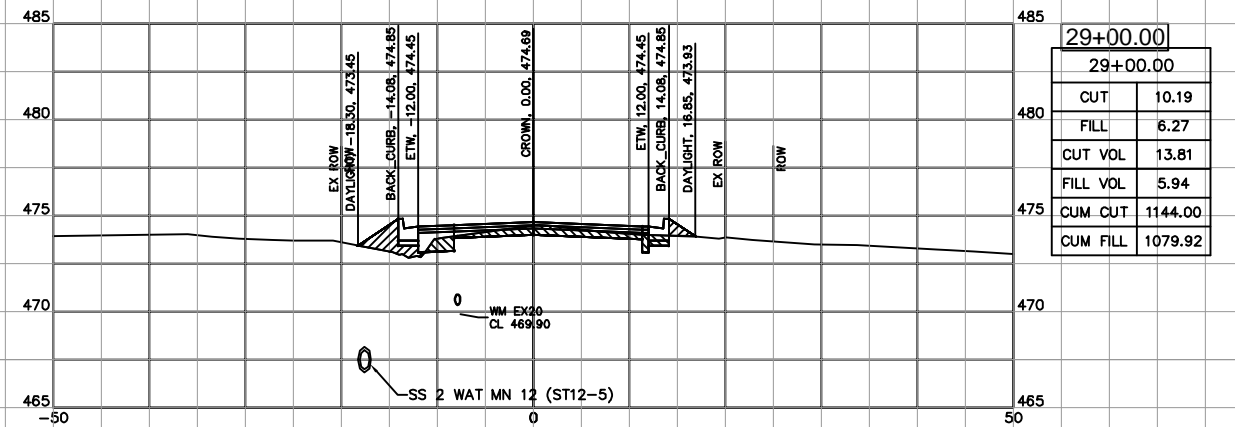
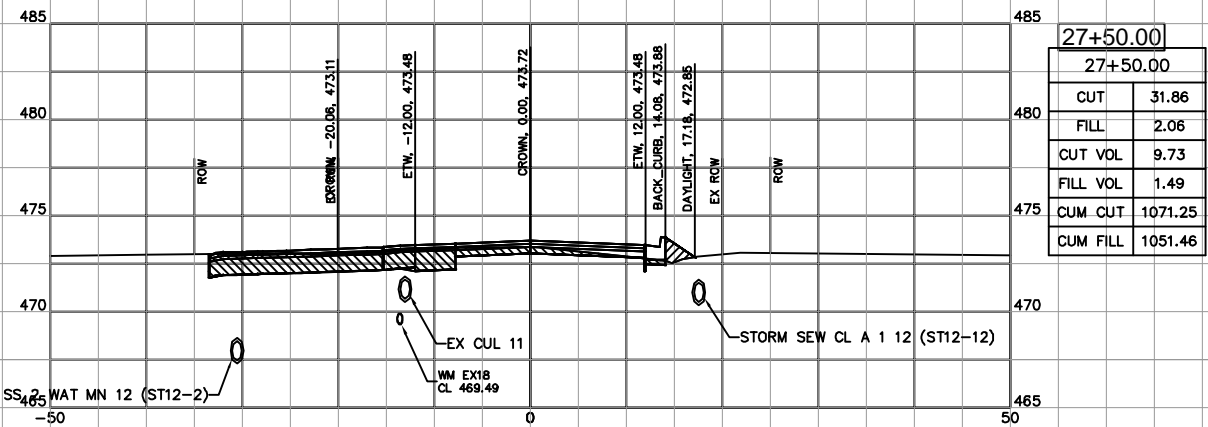
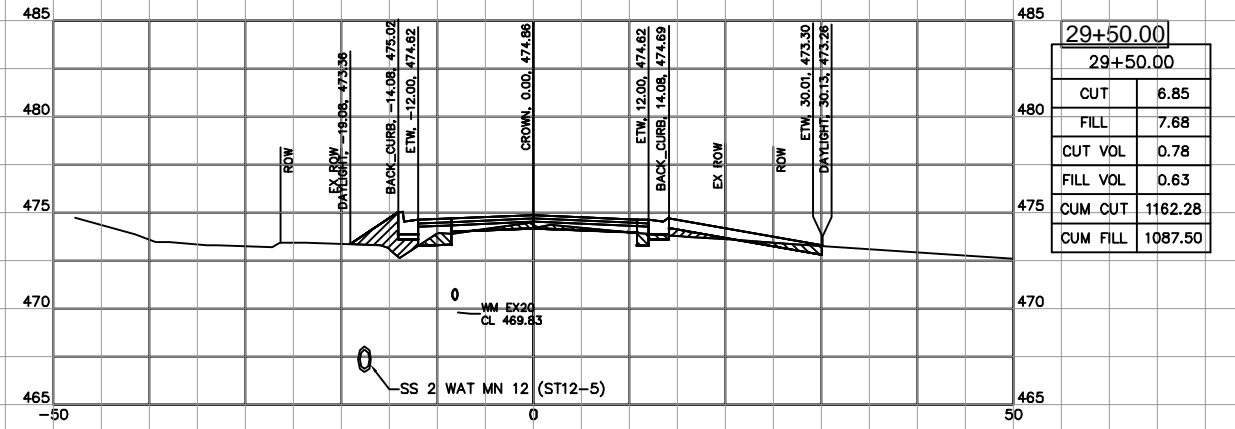
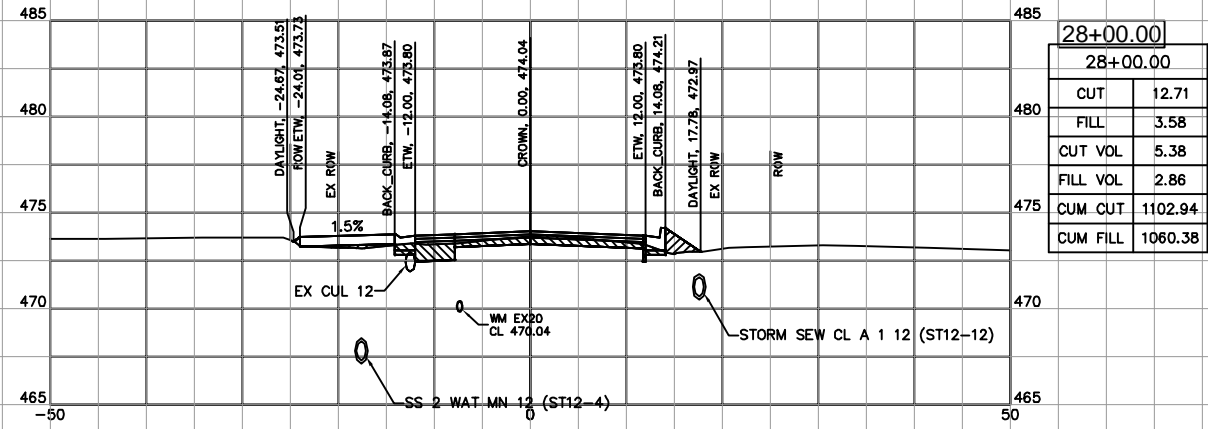
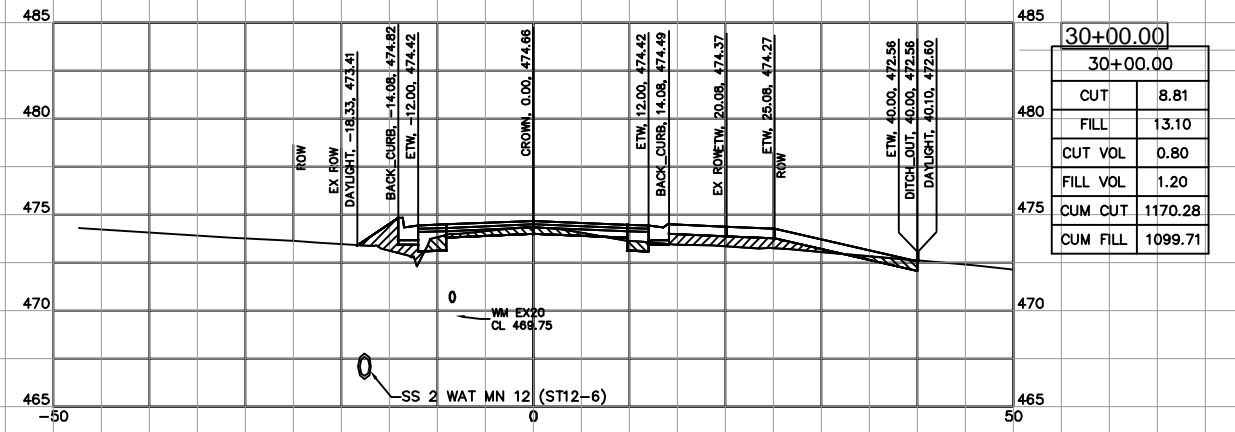
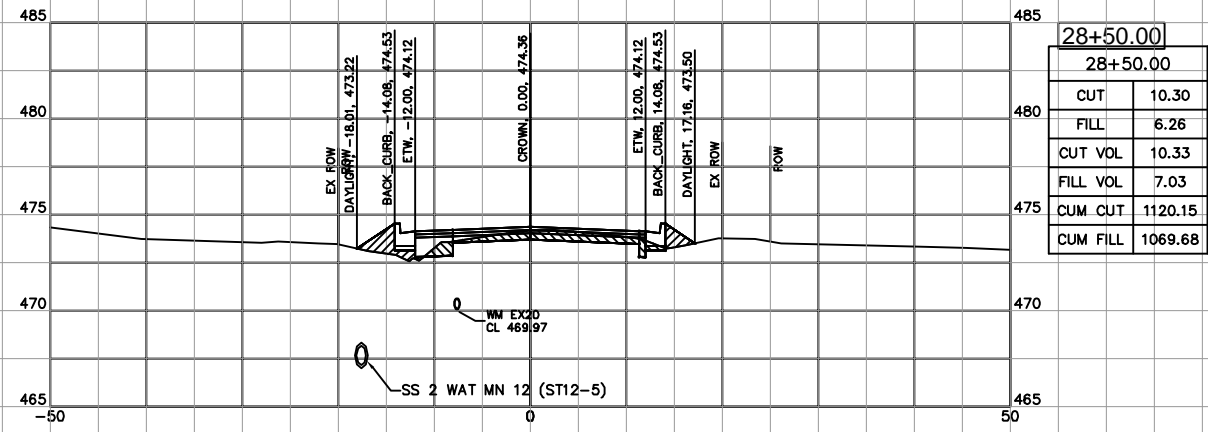
WASTENA STREET
 CITY OF BENTON, IL
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

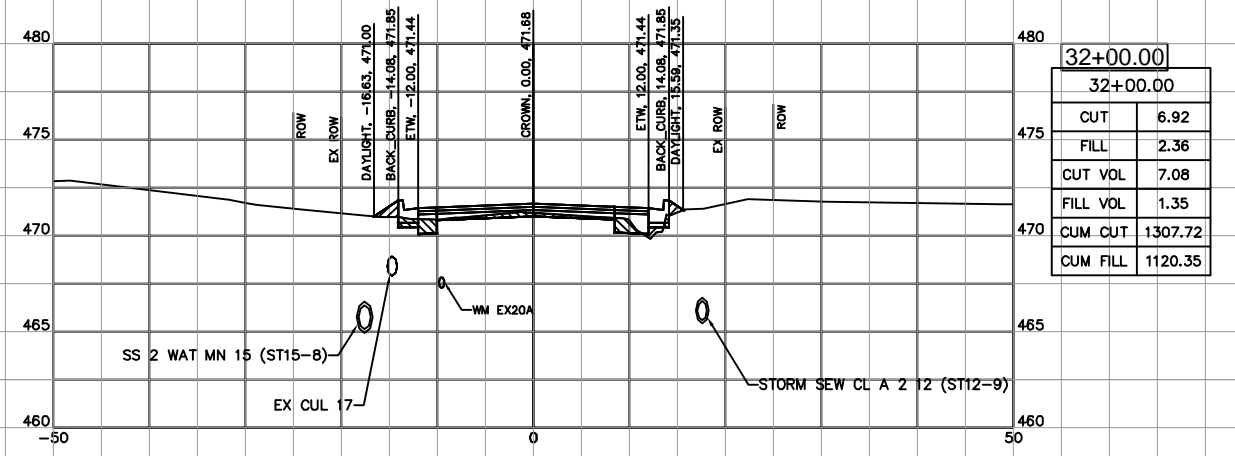
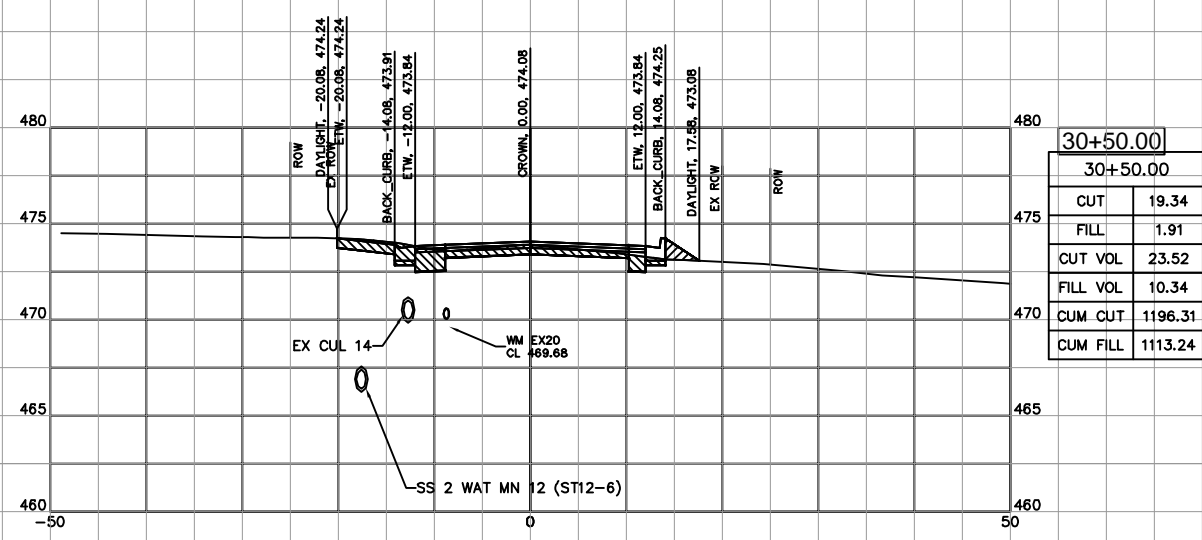
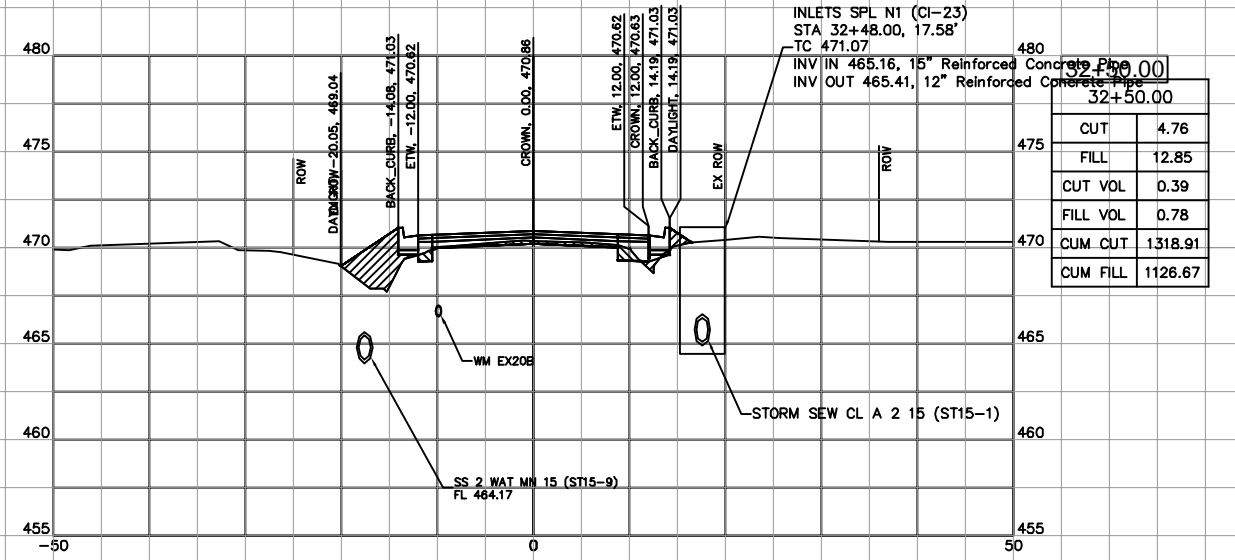
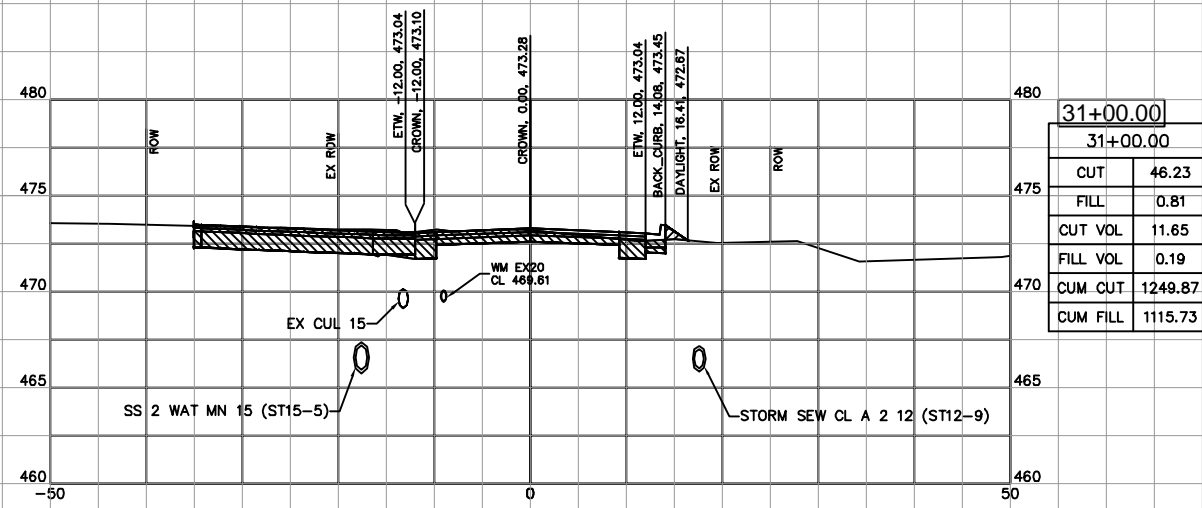
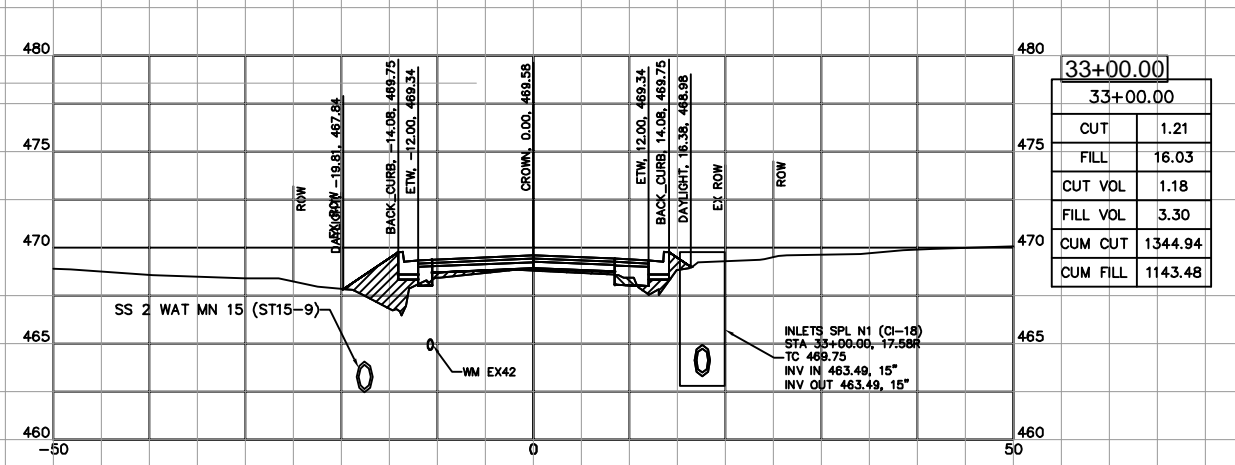
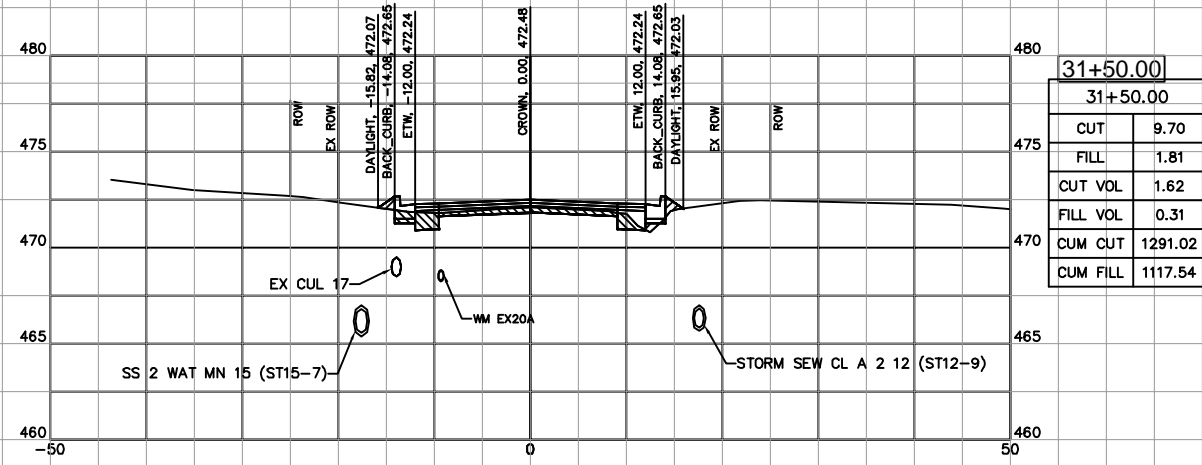
**CROSS SECTIONS
 WASTENA STREET**

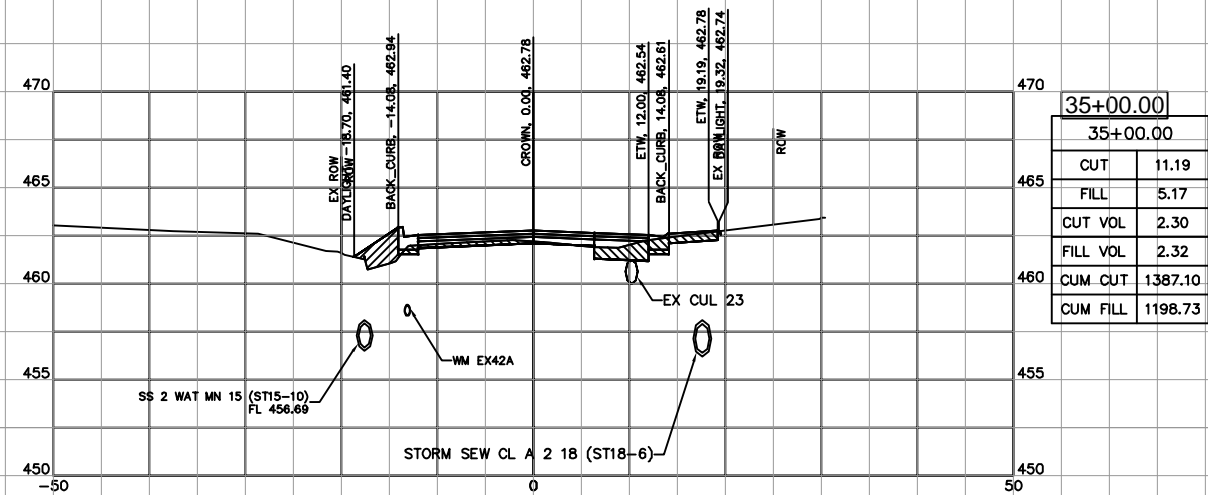
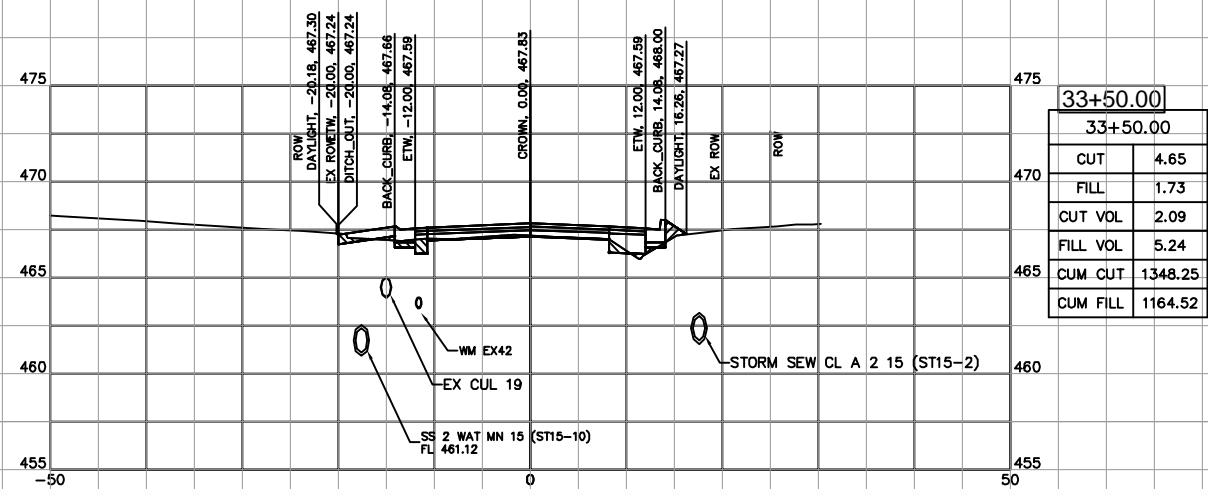
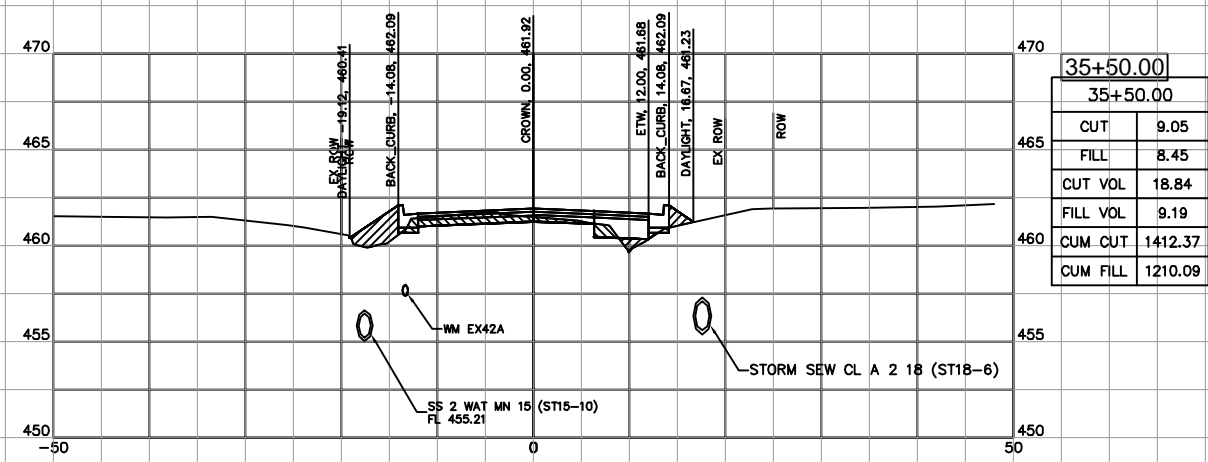
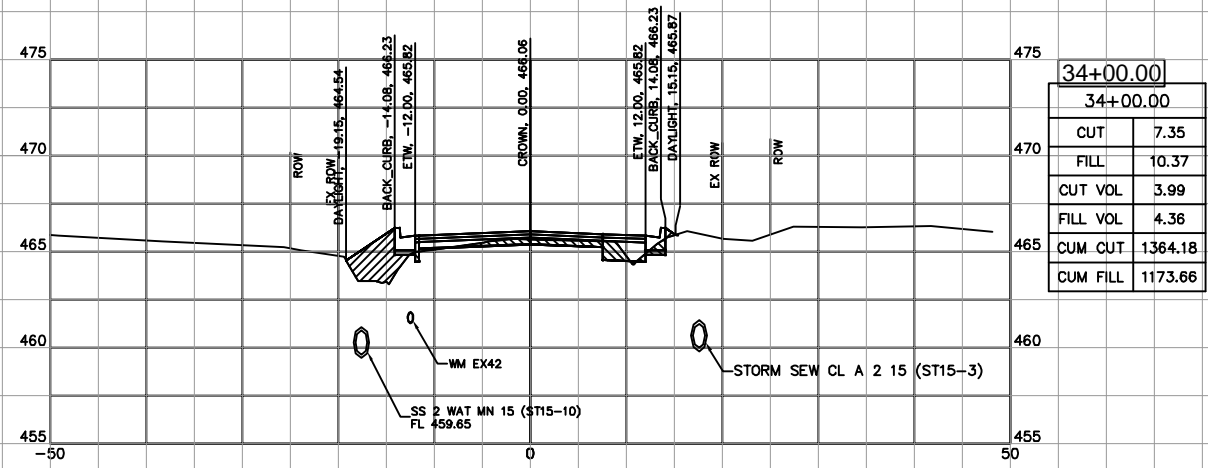
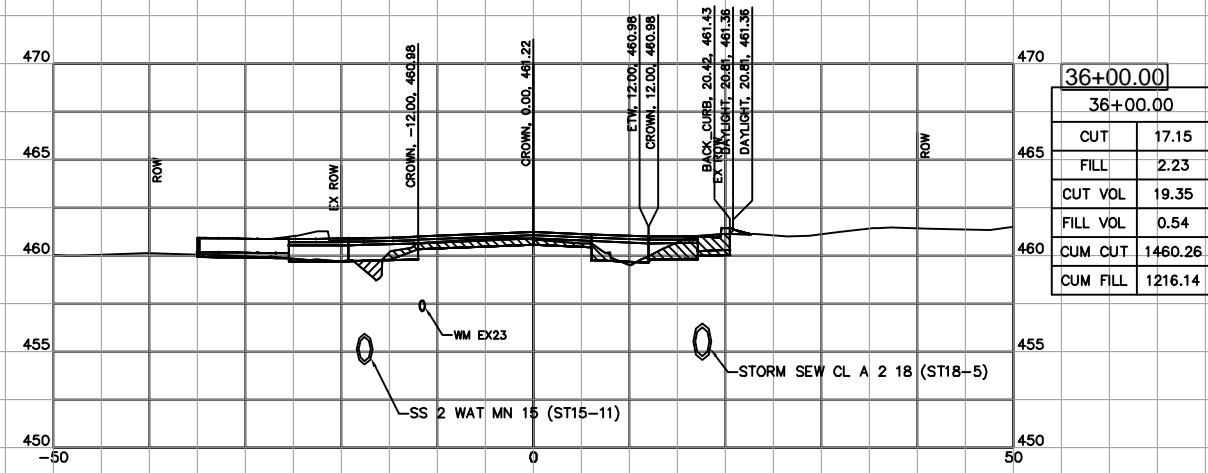
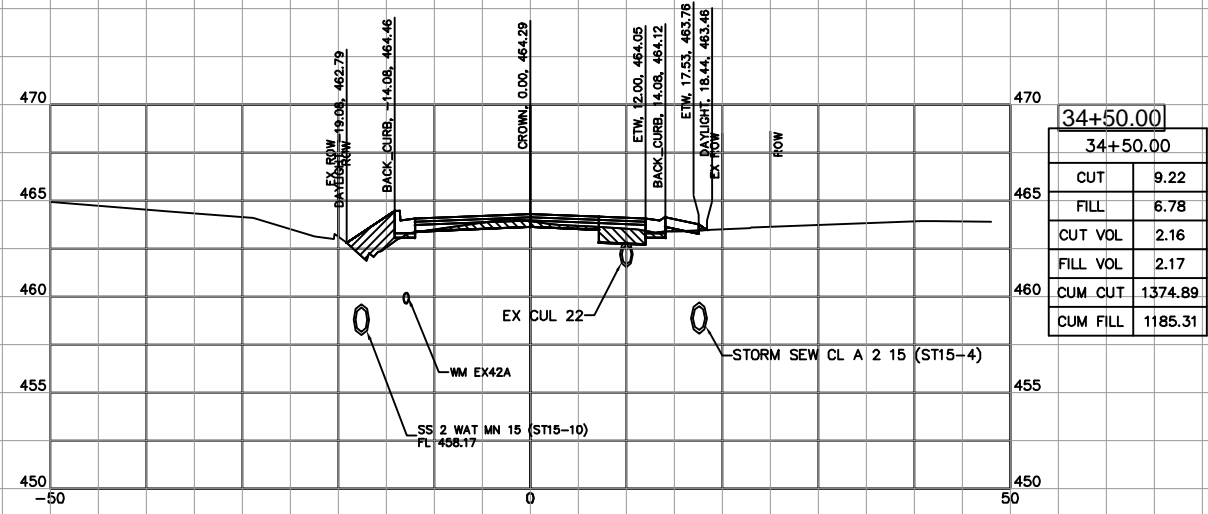
SCALE: BAR SCALE SHEET 5 OF 11 SHEETS STA. 21+50.00 TO STA. 24+00.00

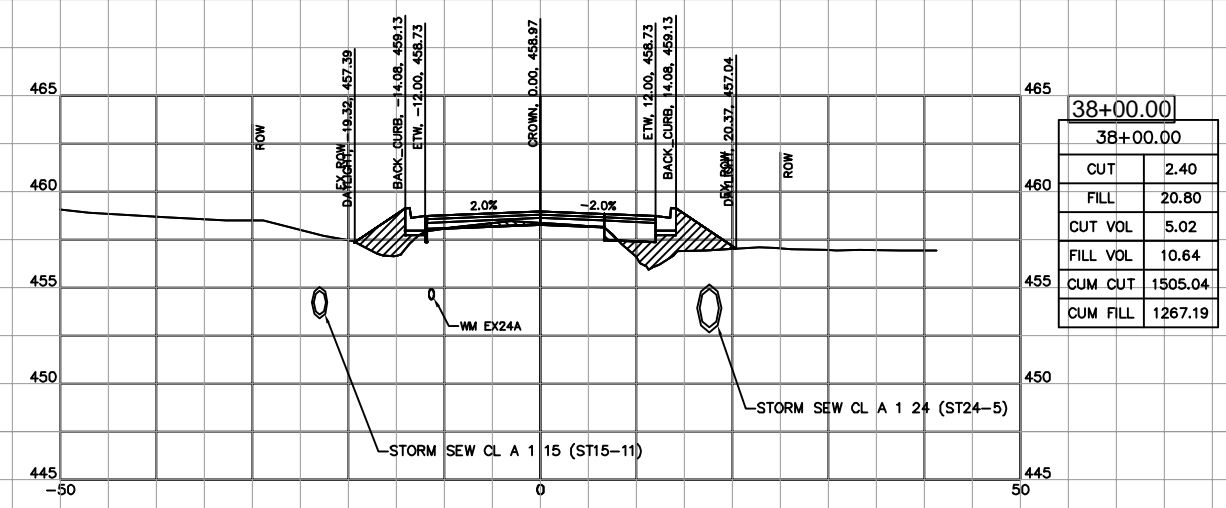
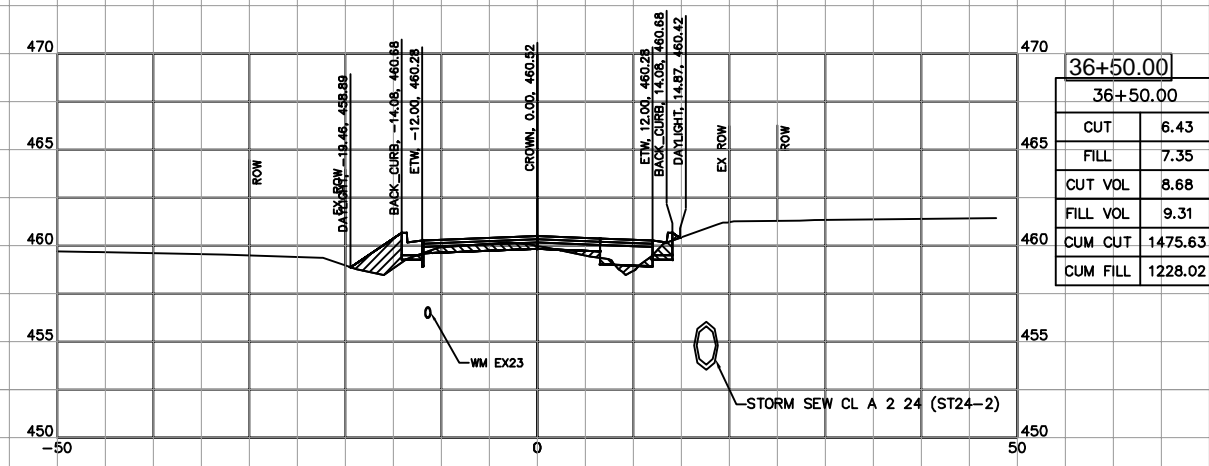
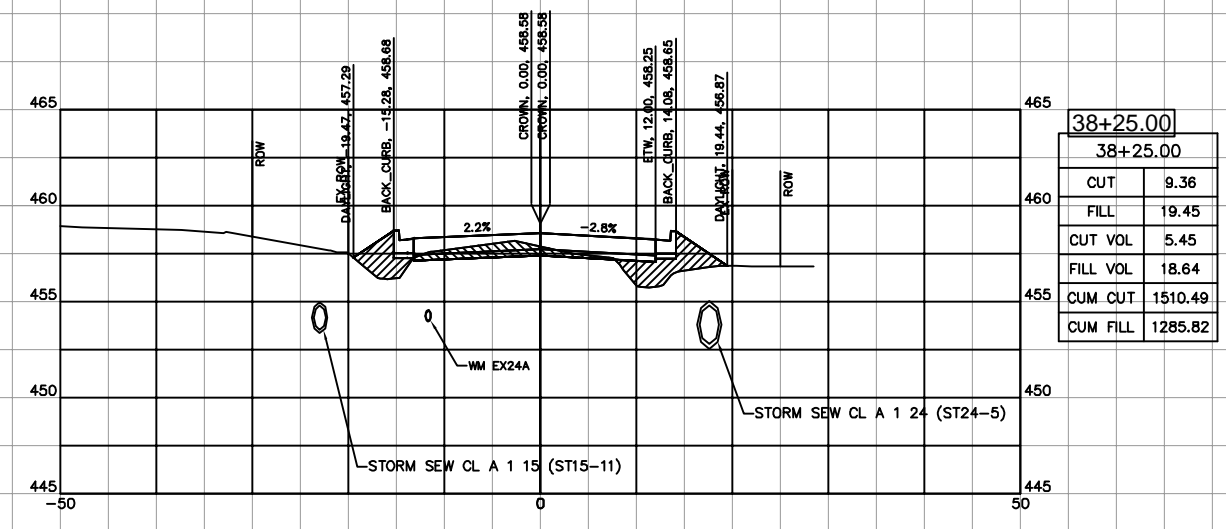
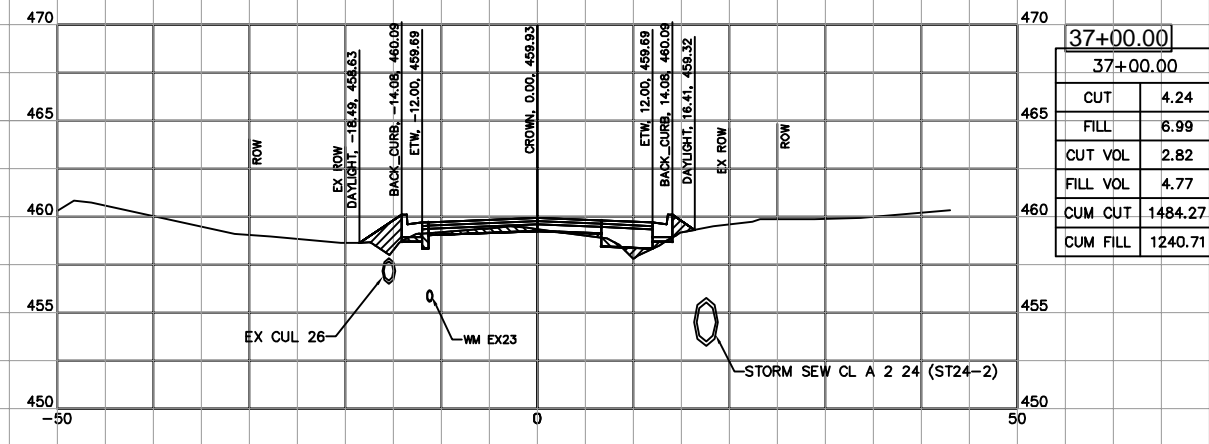
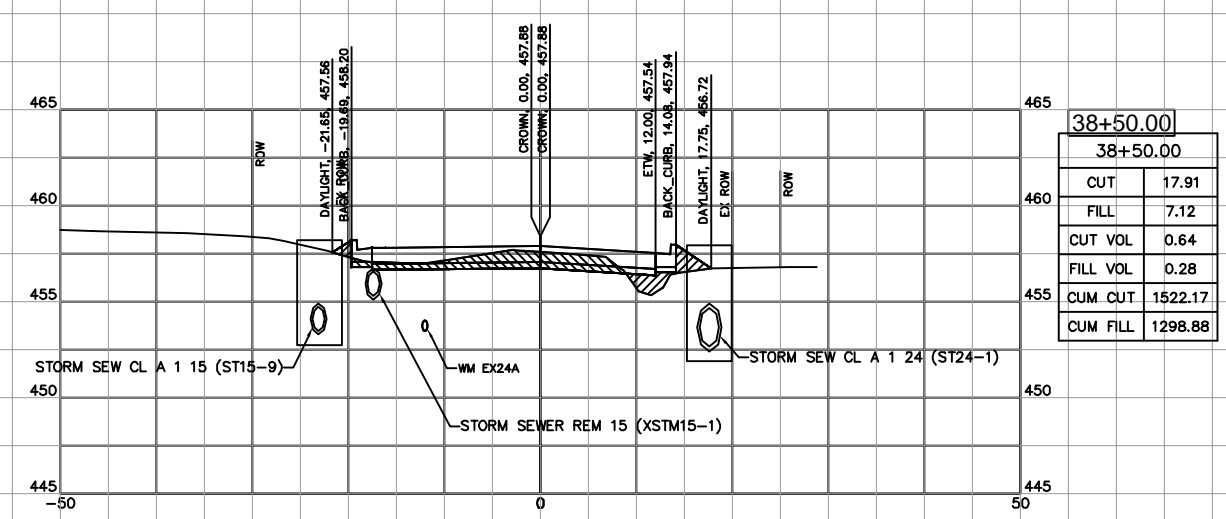
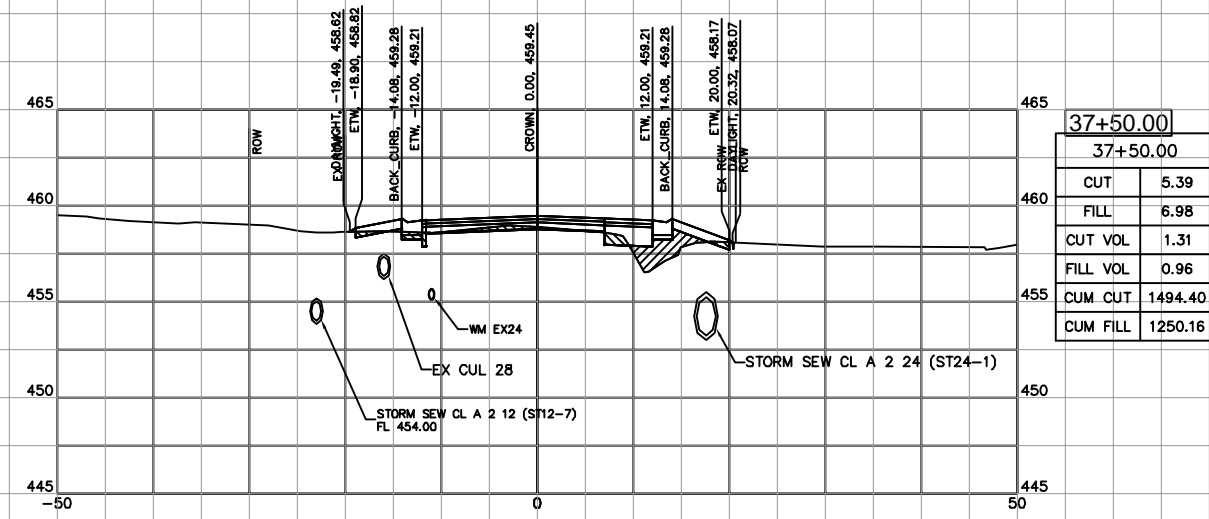
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9450	11-00064-00-FP	FRANKLIN	63	31
STATE JOB NO. C-99-508-17			FED. AID PROJECT 4CA(821)	



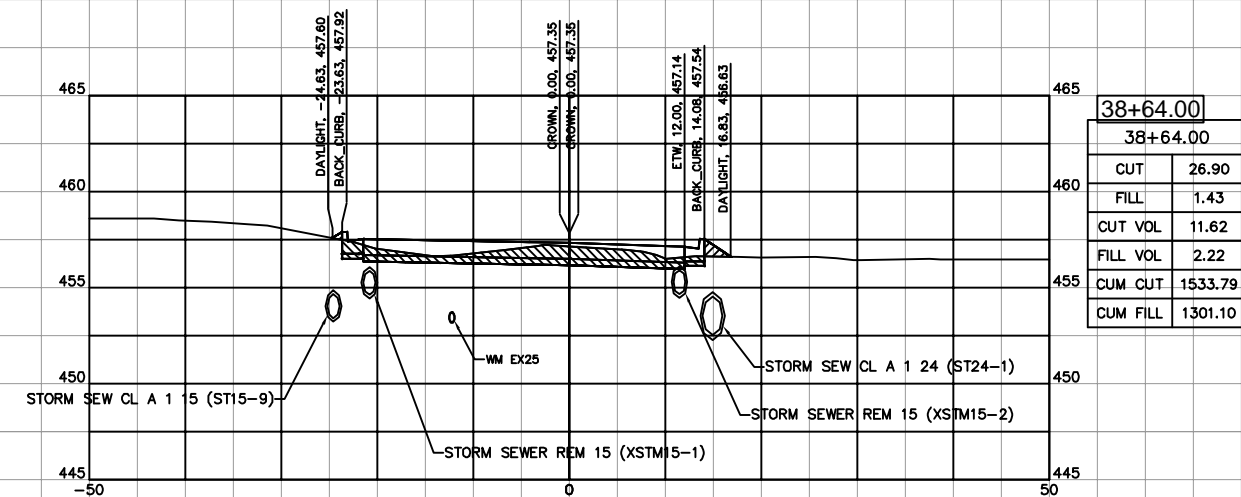
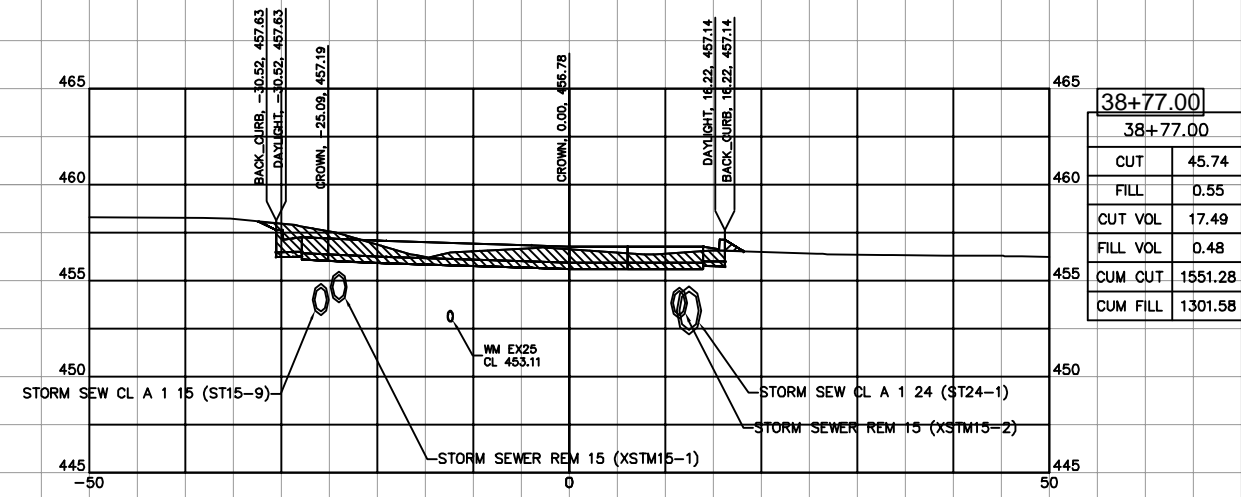
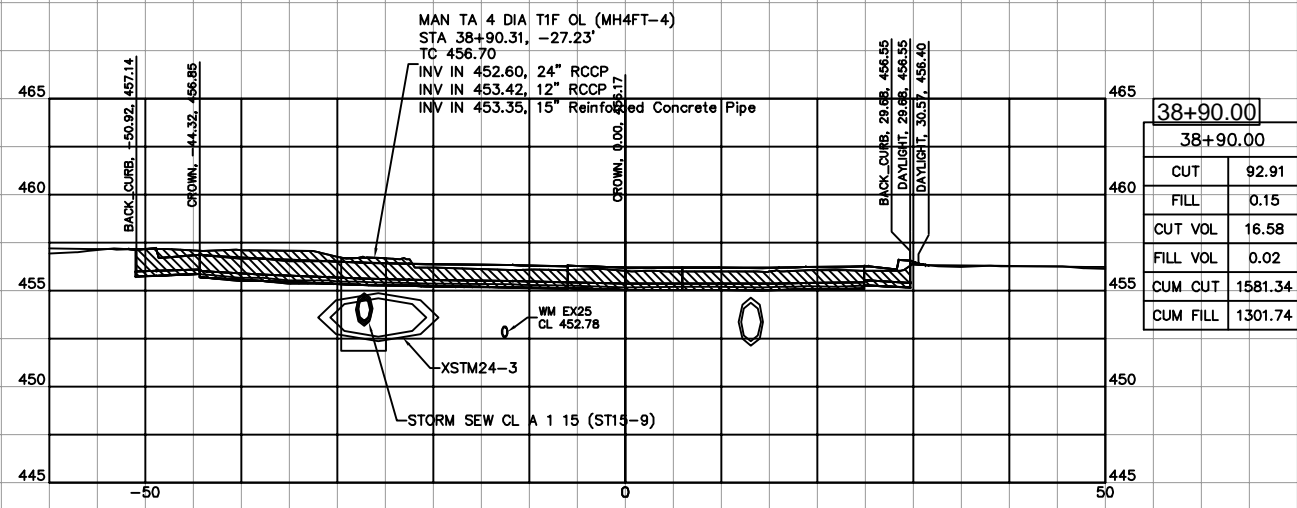








C:\Civil 3D Projects\Wastena Street\DWG\1 JHCA WASTENA 121621.dwg, 37 XSEC 11, 9/20/2022 12:55:18 PM



JOHN H. CRAWFORD & ASSOCIATES, P.C.
 CIVIL ENGINEERS, LAND SURVEYORS
 201 SOUTH DIVISION STREET, CARTERSVILLE, ILLINOIS 62919
 PHONE (618) 985-6370 FAX (618) 985-6932
 PROFESSIONAL DESIGN FIRM # 184-002895

USER NAME =
 DESIGNED - JHC
 DRAWN - JHC
 CHECKED - RLP
 DATE - 03/09/20

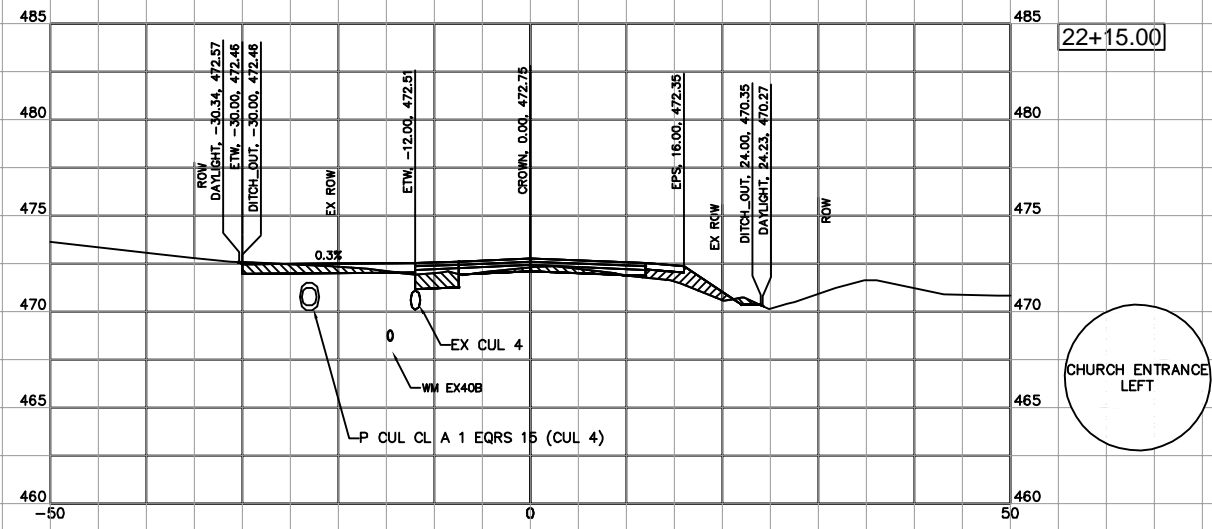
SUBMITTAL - 08/16/21
 SUBMITTAL - 03/30/22
 REVISED - 08/05/22
 REVISED -

WASTENA STREET
 CITY OF BENTON, IL
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
WASTENA STREET

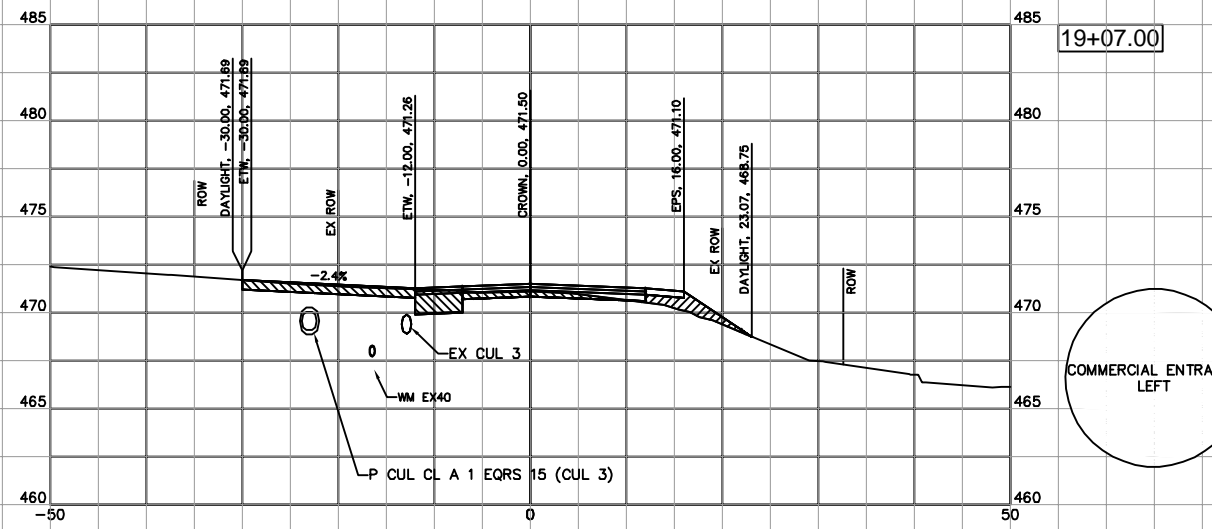
SCALE: SHEET 11 OF 11 SHEETS STA. 38+64.00 TO STA. 38+90.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9450	11-00064-00-FP	FRANKLIN	63	37
STATE JOB NO. C-99-508-17			FED. AID PROJECT 4CAG(821)	



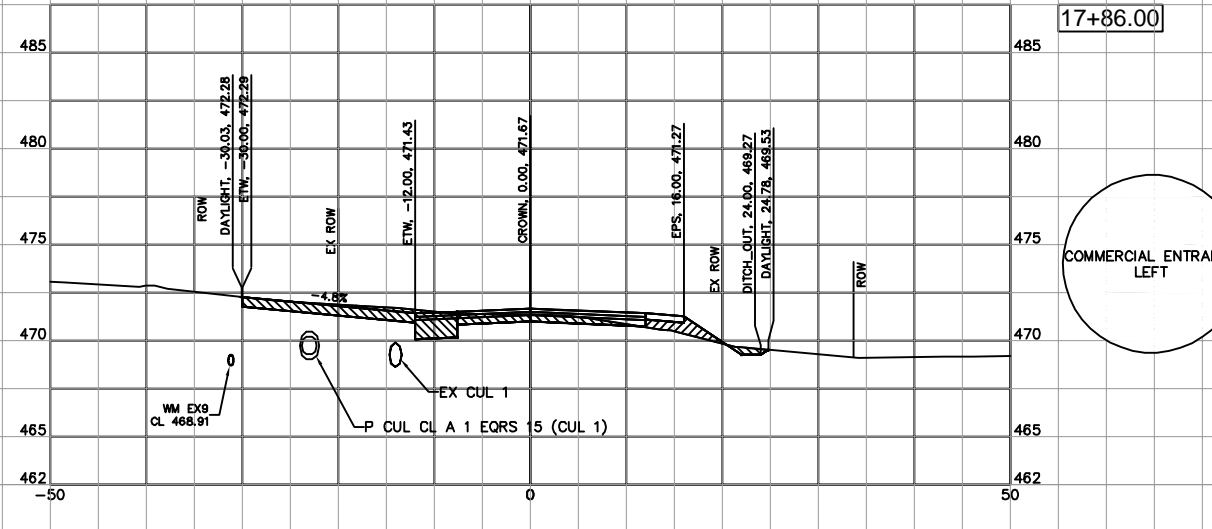
22+15.00

CHURCH ENTRANCE LEFT



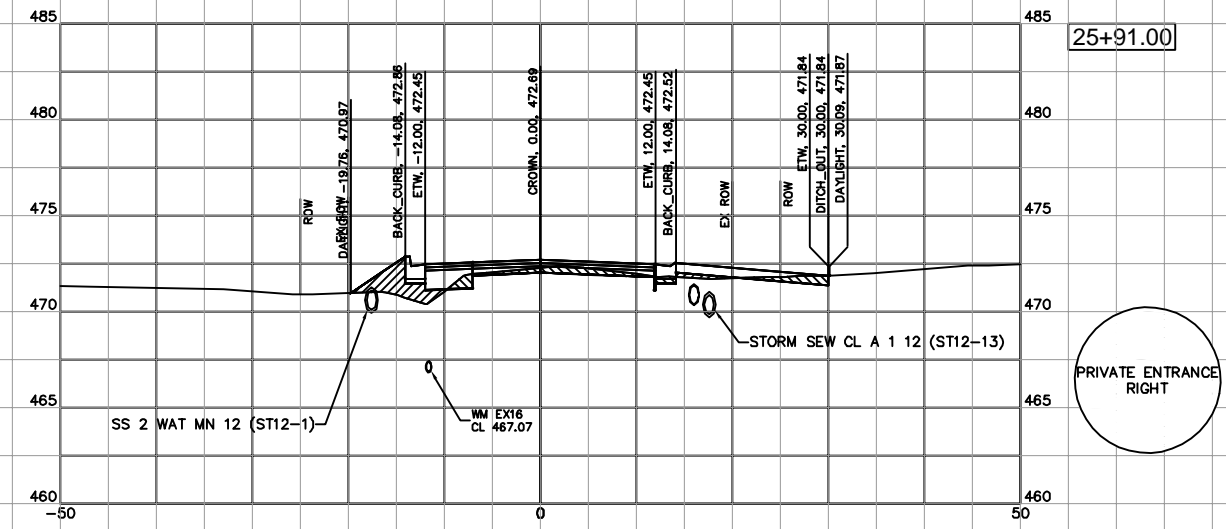
19+07.00

COMMERCIAL ENTRANCE LEFT



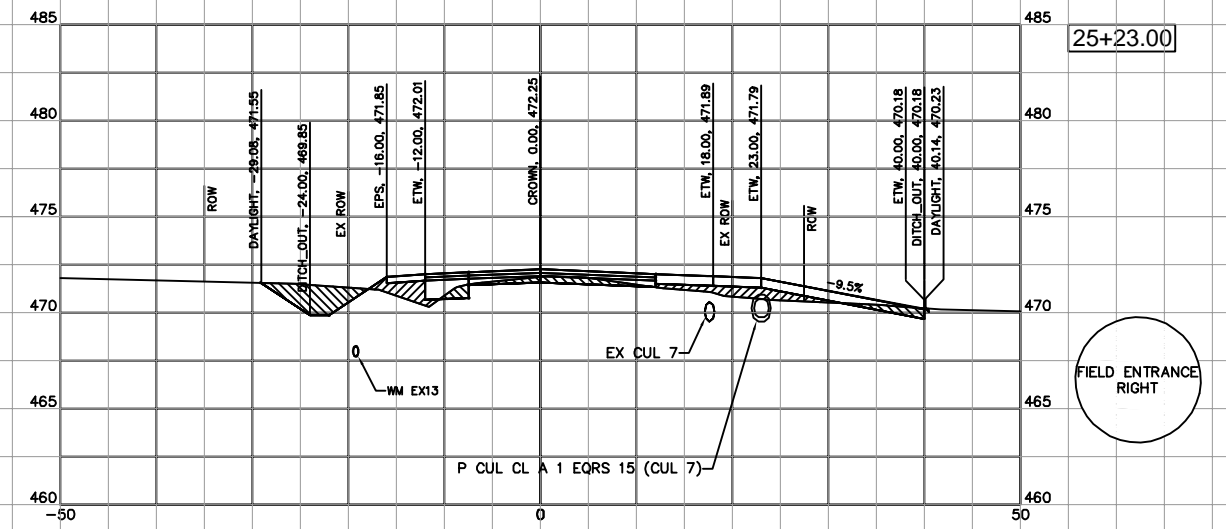
17+86.00

COMMERCIAL ENTRANCE LEFT



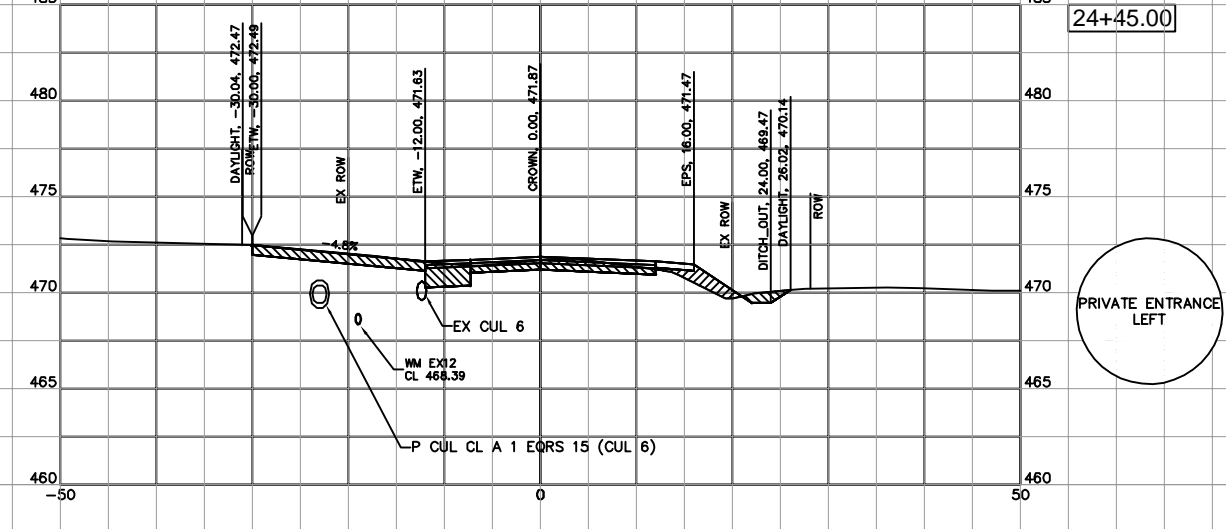
25+91.00

PRIVATE ENTRANCE RIGHT



25+23.00

FIELD ENTRANCE RIGHT



24+45.00

PRIVATE ENTRANCE LEFT

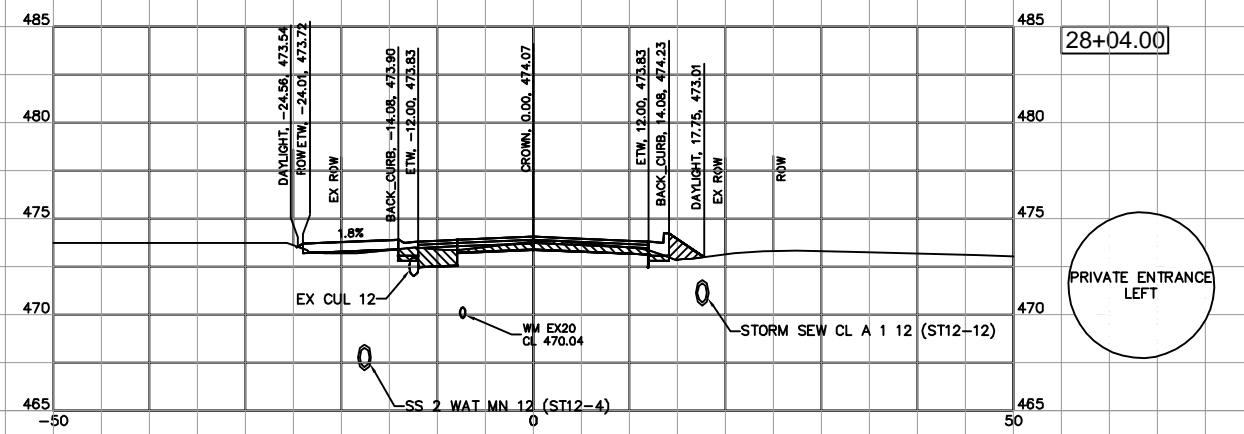
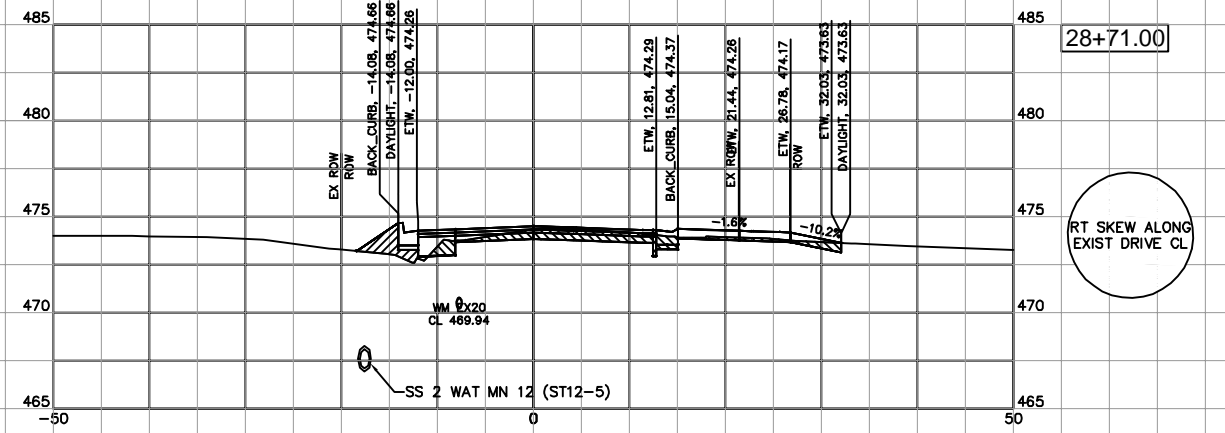
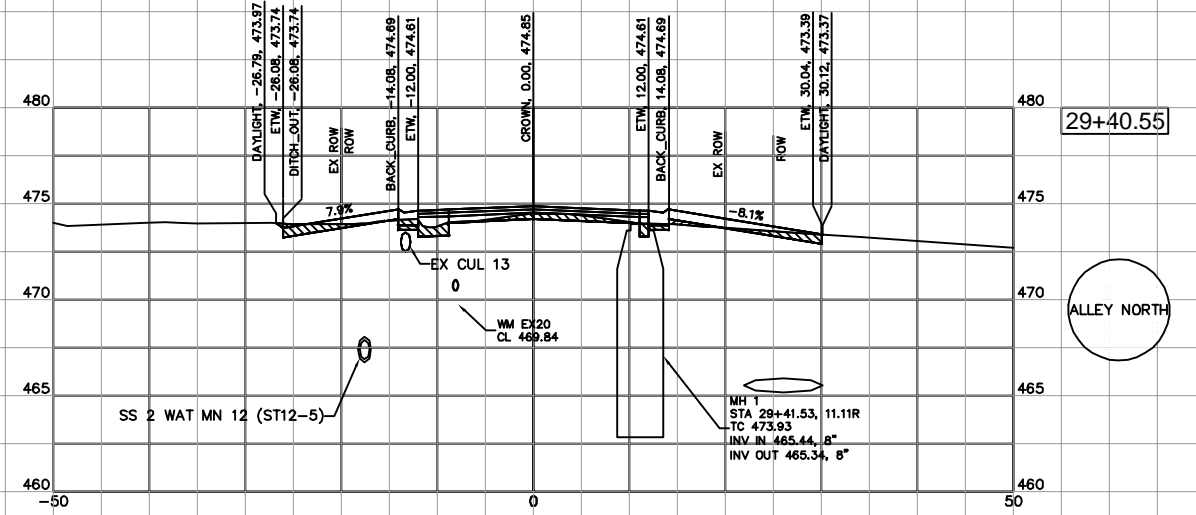
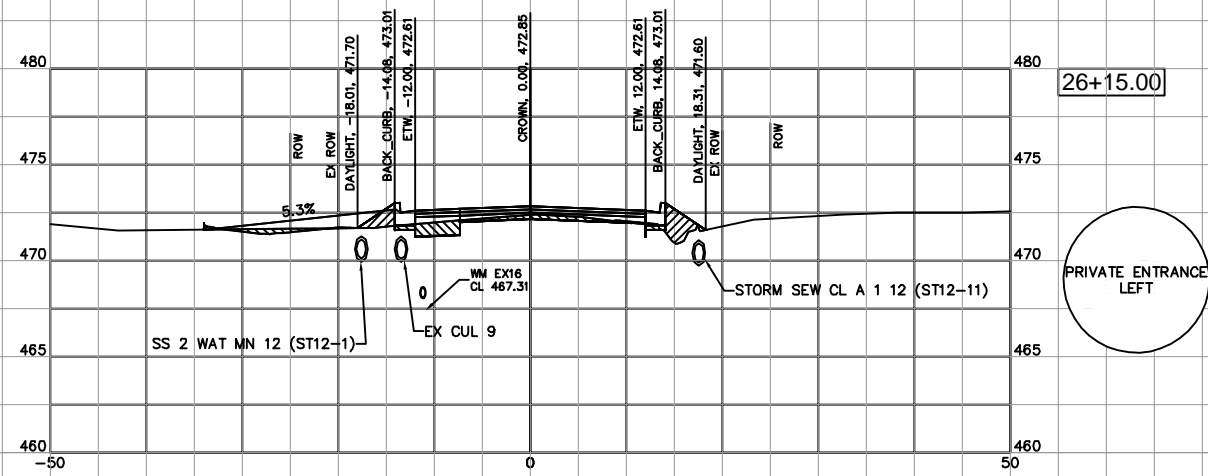
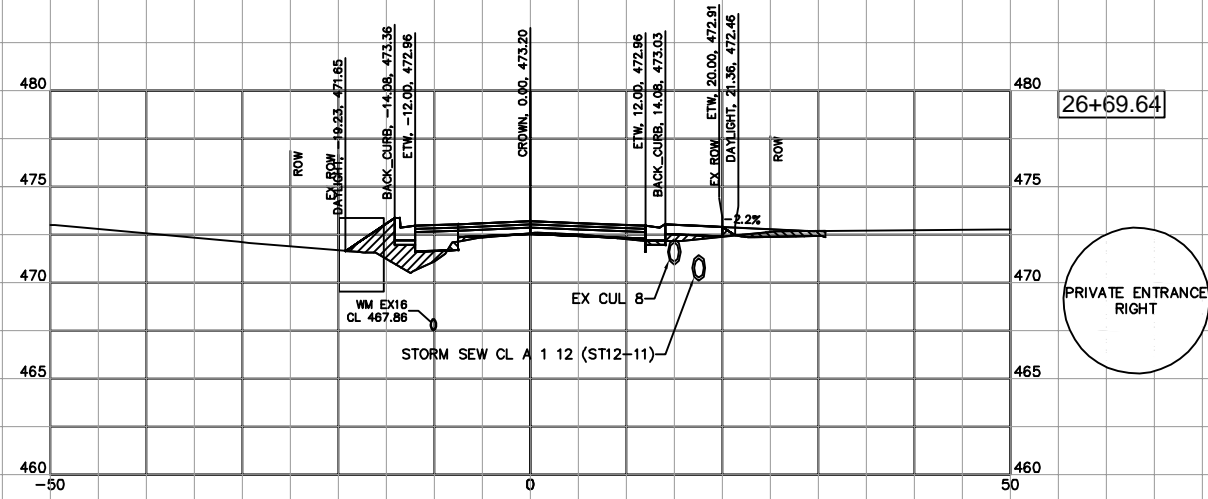
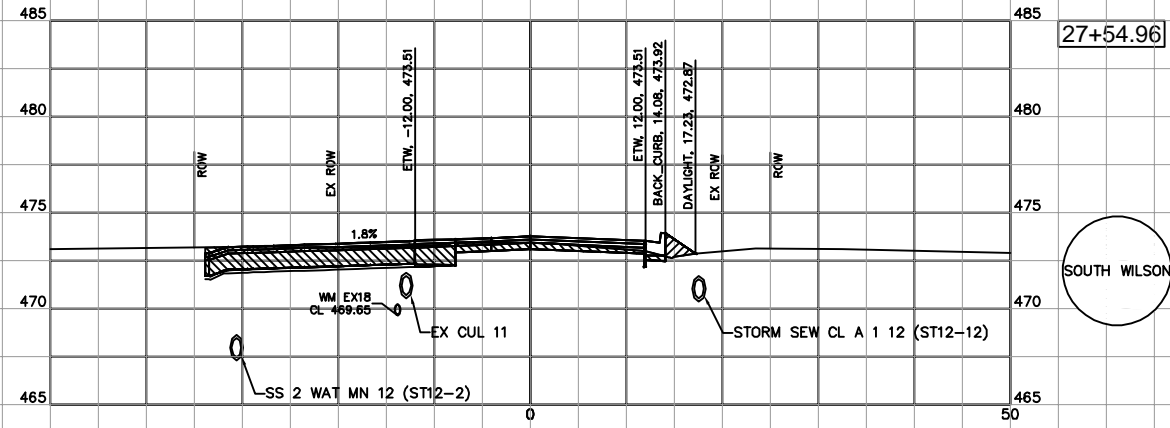


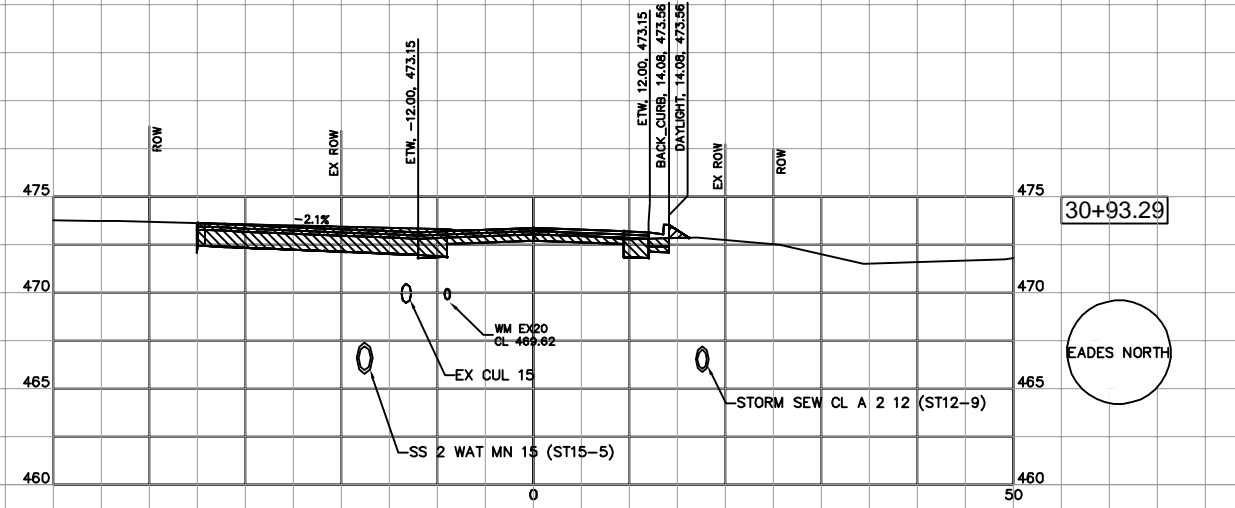
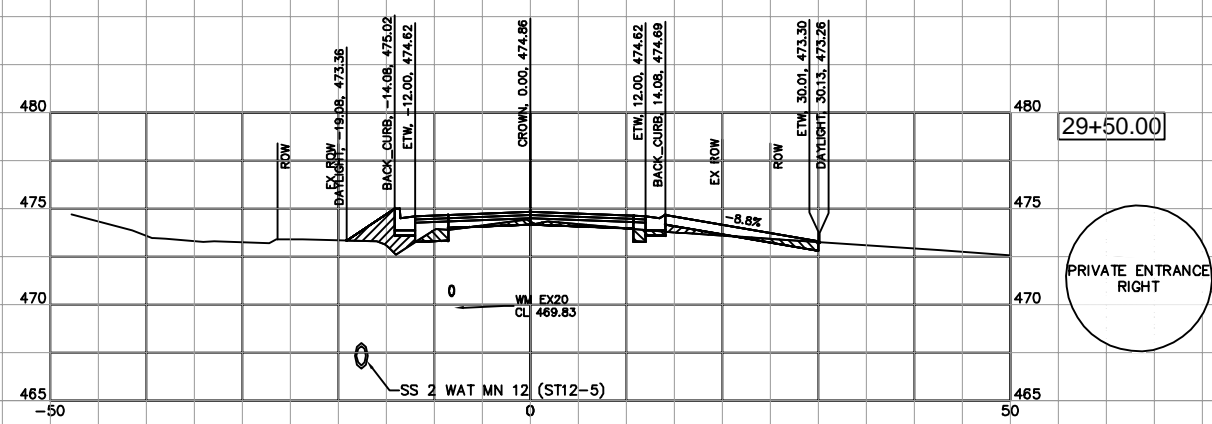
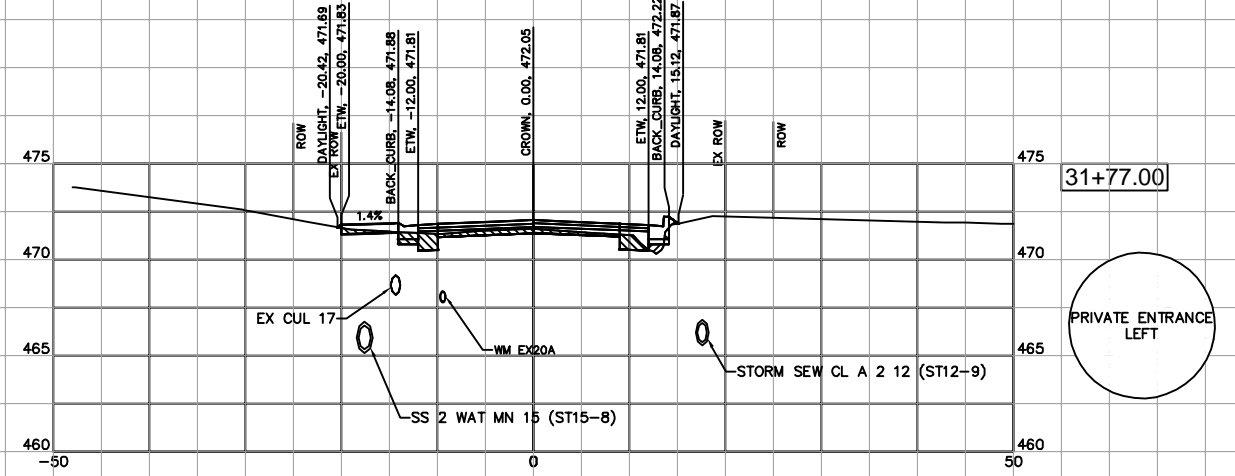
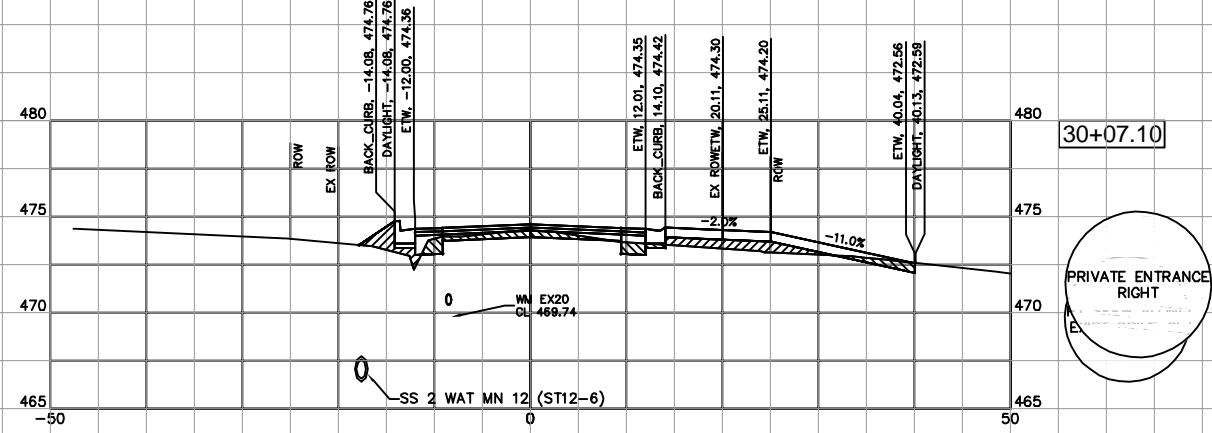
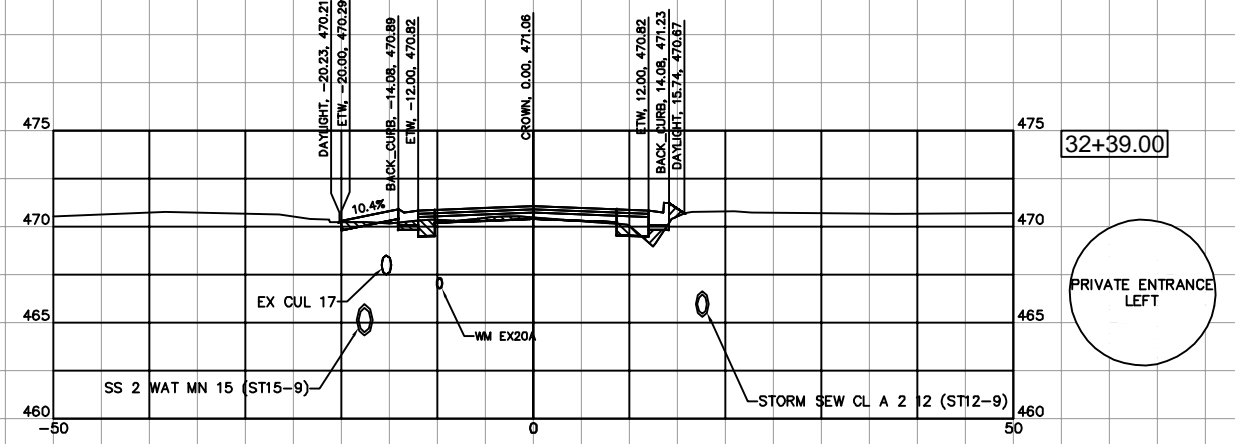
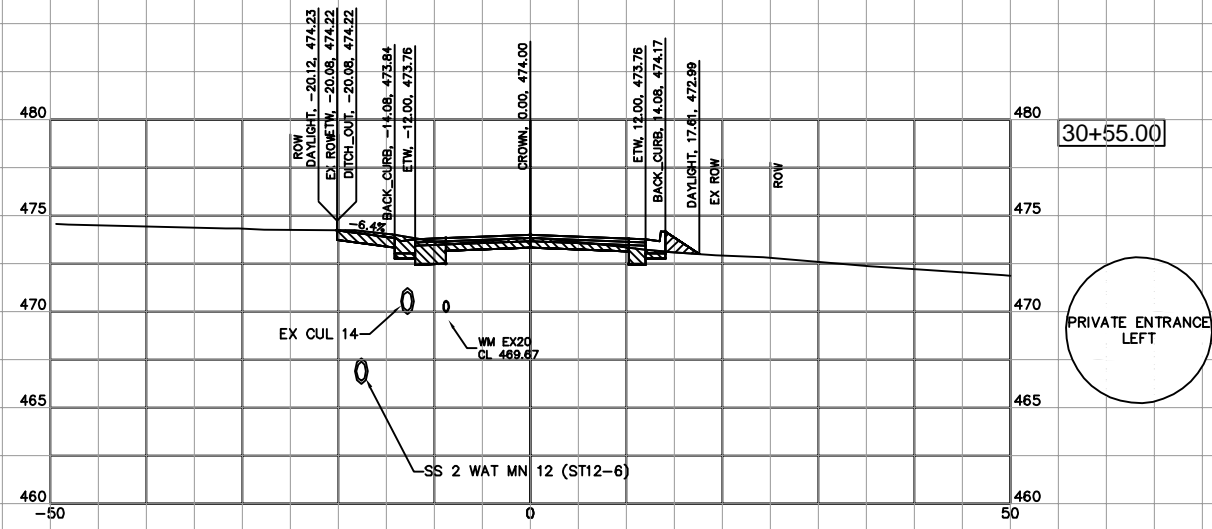
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PLOT SCALE =	DRAWN - JHC	SUBMITTAL - 03/30/22
PLOT DATE =	CHECKED - RLP	REVISED -
	DATE - 03/09/20	REVISED -

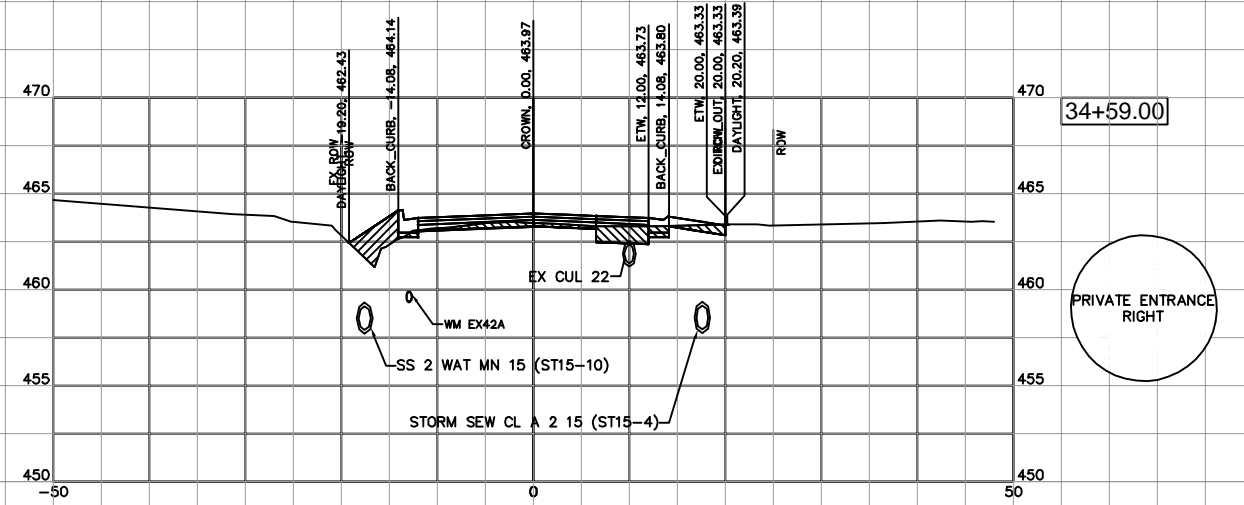
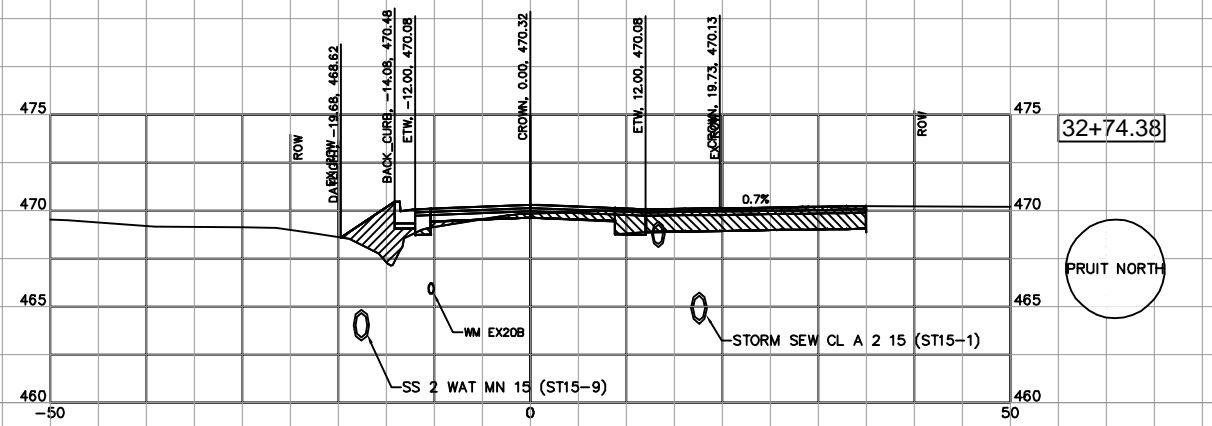
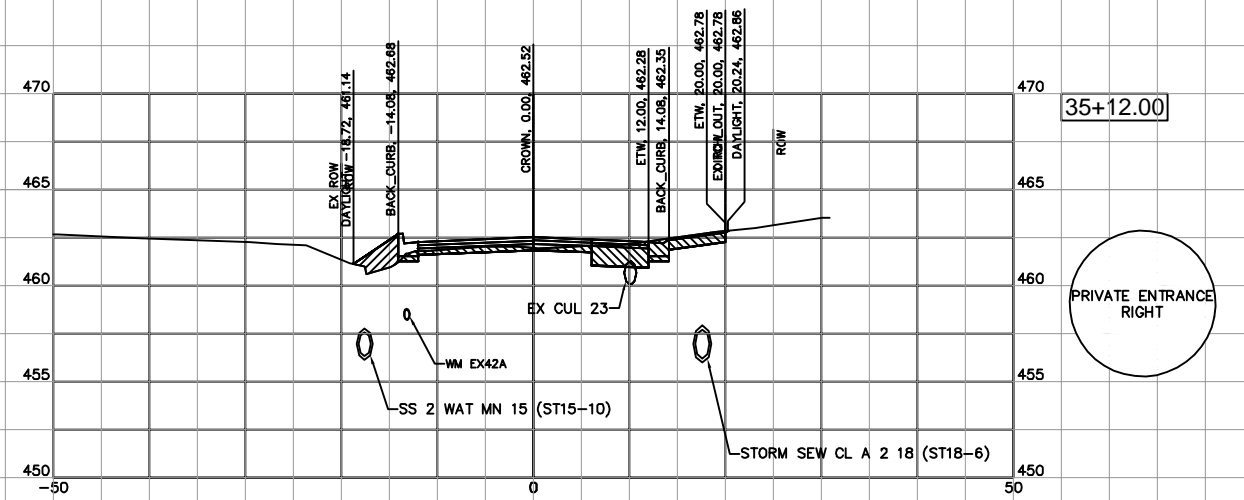
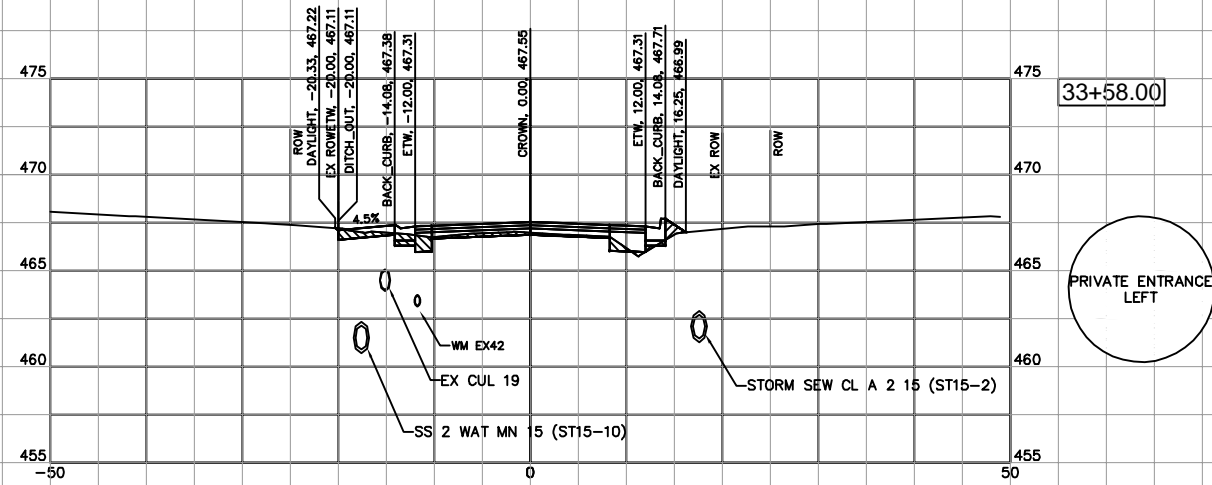
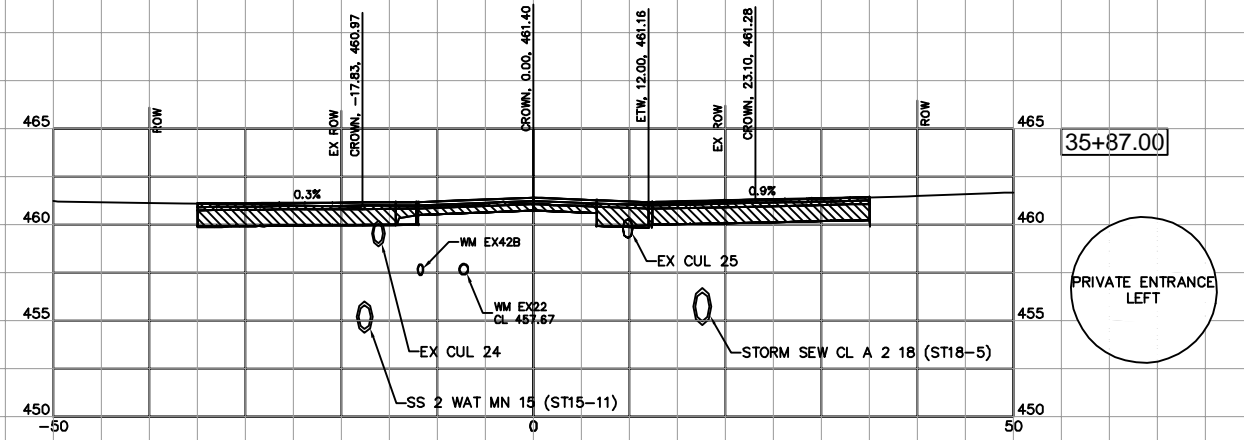
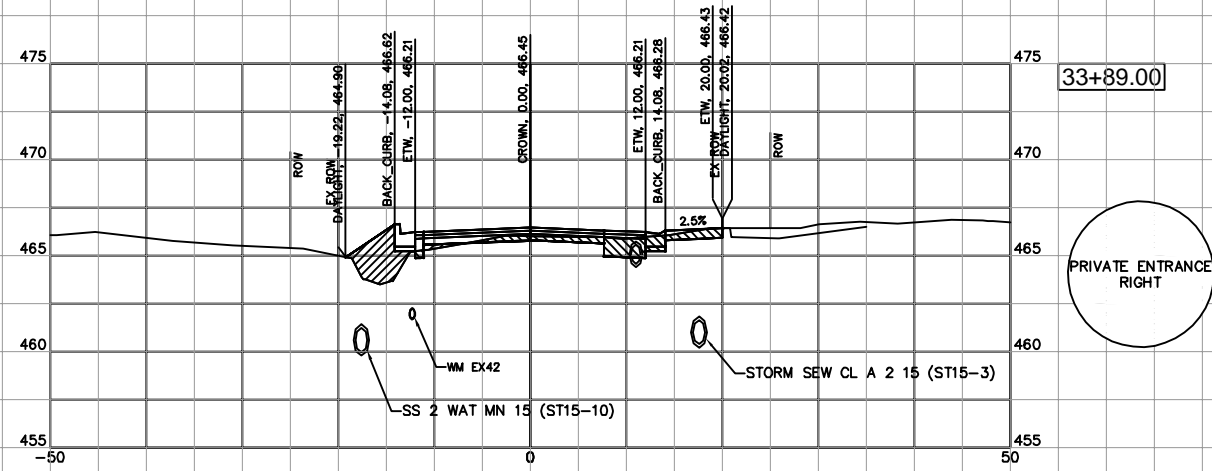
WASTENA STREET
CITY OF BENTON, IL
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS AT DRIVEWAYS, STREETS & ALLEYS
SCALE: SHEET 1 OF 5 SHEETS STA. 17+86.00 TO STA. 25+91.00

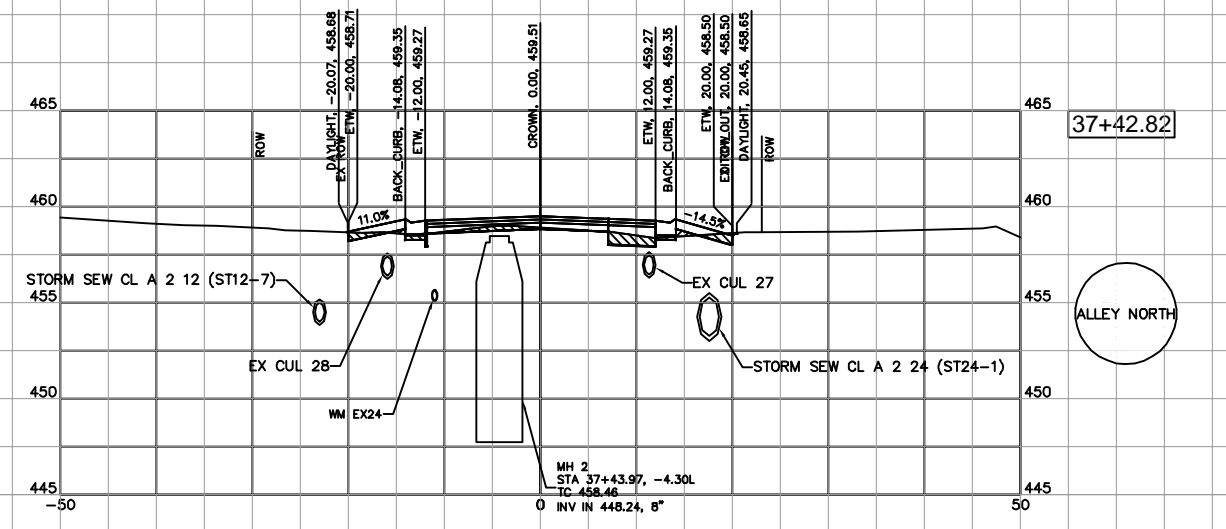
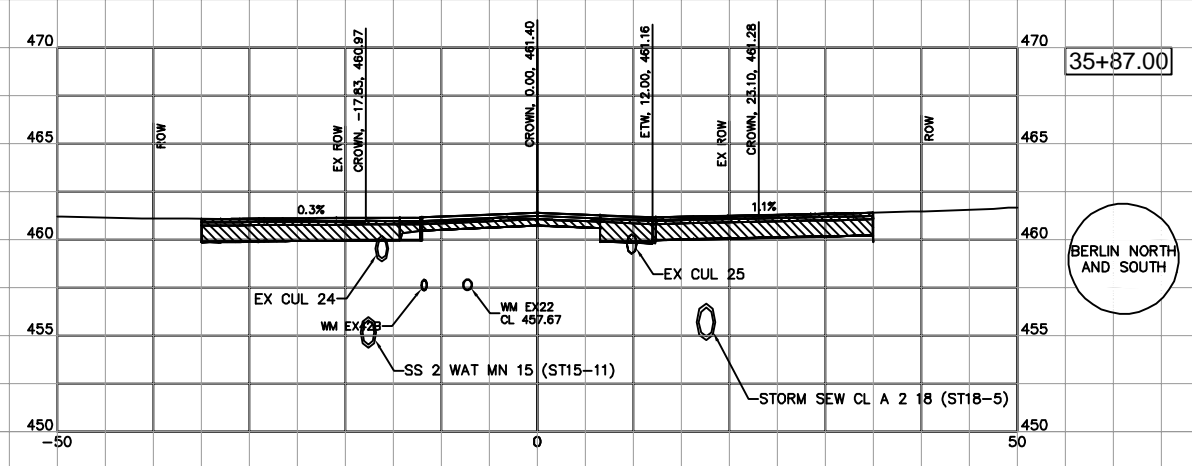
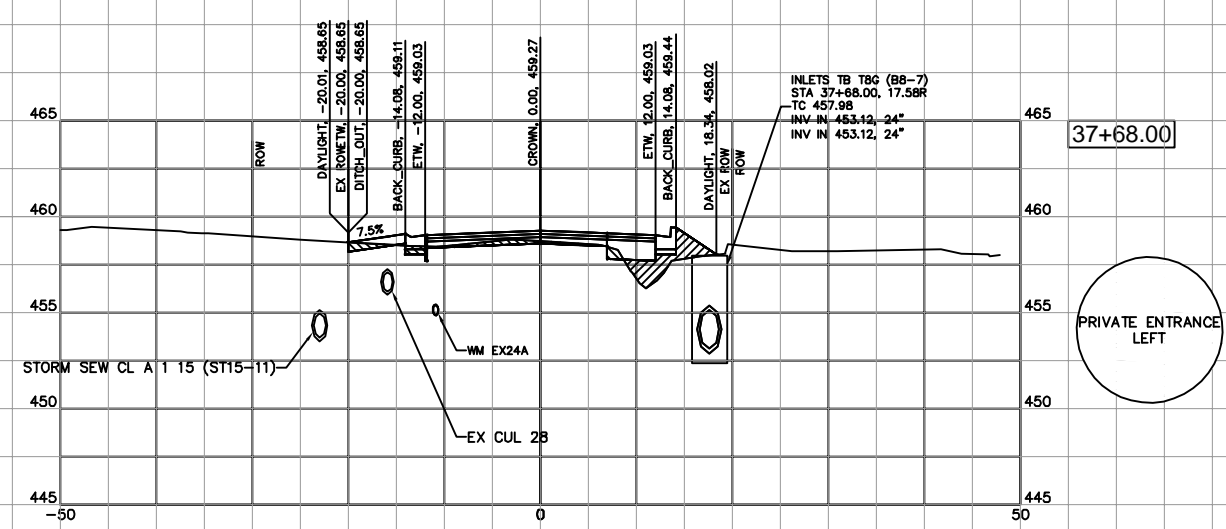
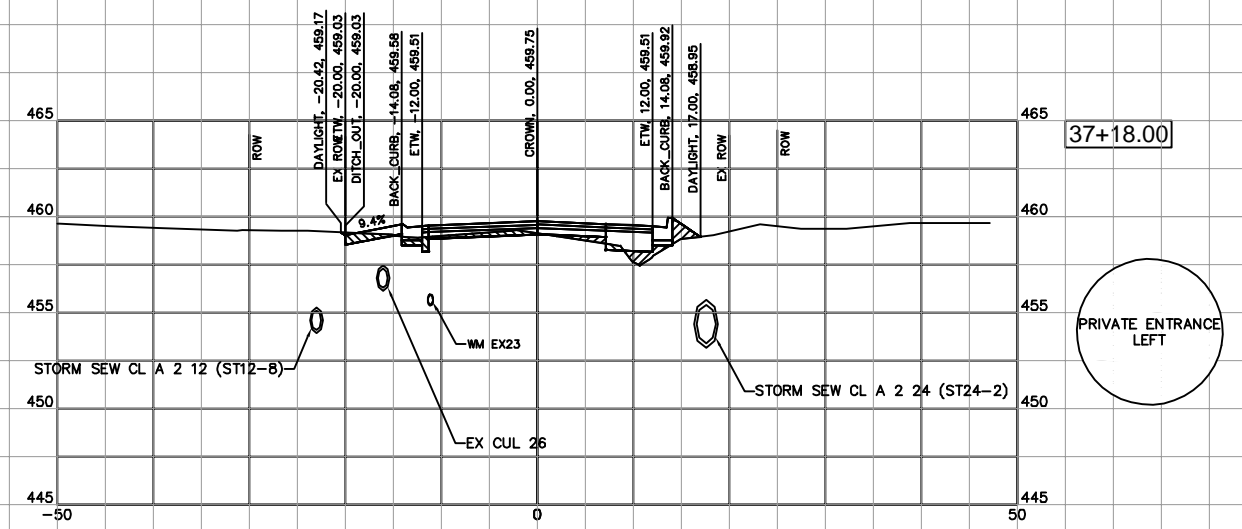
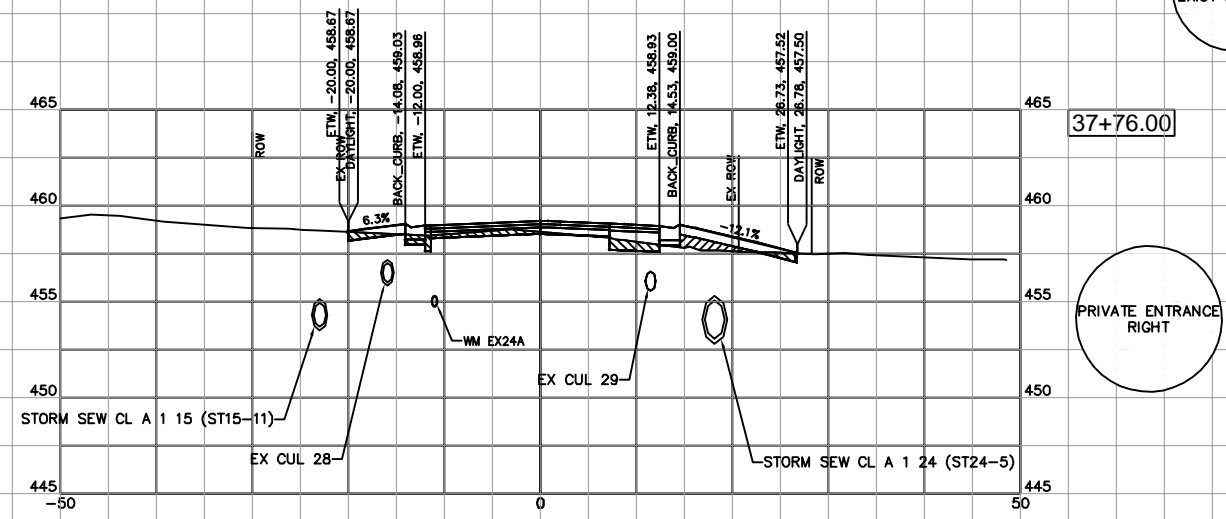
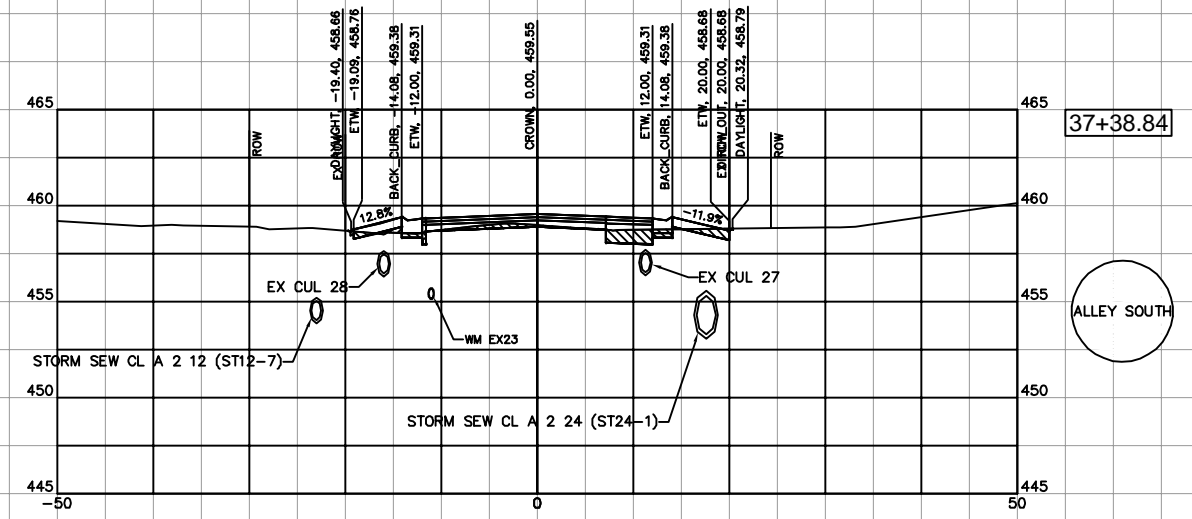
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9450	11-00064-00-FP	FRANKLIN	63	38
STATE JOB NO. C-99-508-17 FED. AID PROJECT 4CAG(821)				







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JOHN H. CRAWFORD & ASSOCIATES, P.C.
 CIVIL ENGINEERS, LAND SURVEYORS
 201 SOUTH DIVISION STREET, CARLEVILLE, ILLINOIS 62931
 PHONE (618) 985-6370 FAX (618) 985-6392
 PROFESSIONAL DESIGN FIRM # 184-002895

USER NAME =
 DESIGNED - JHC
 DRAWN - JHC
 CHECKED - RLP
 DATE - 03/09/20
 SUBMITTAL - 08/16/21
 SUBMITTAL - 03/30/22
 REVISED -
 REVISED -

WASTENA STREET
 CITY OF BENTON, IL
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

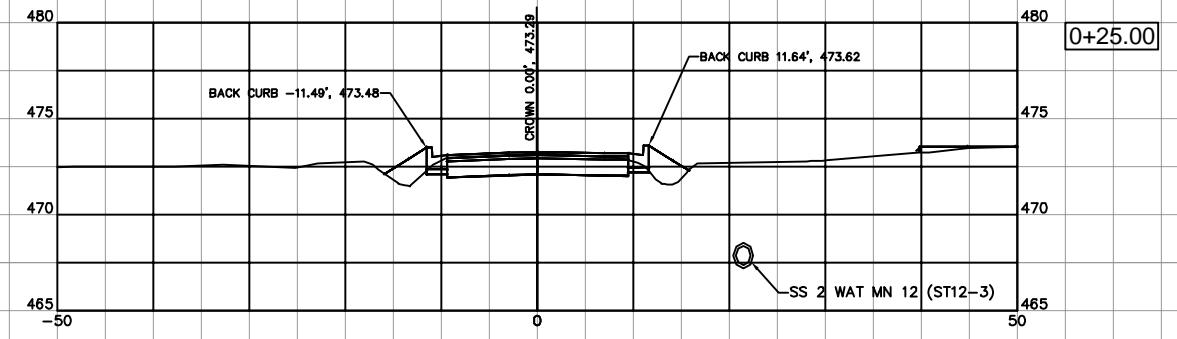
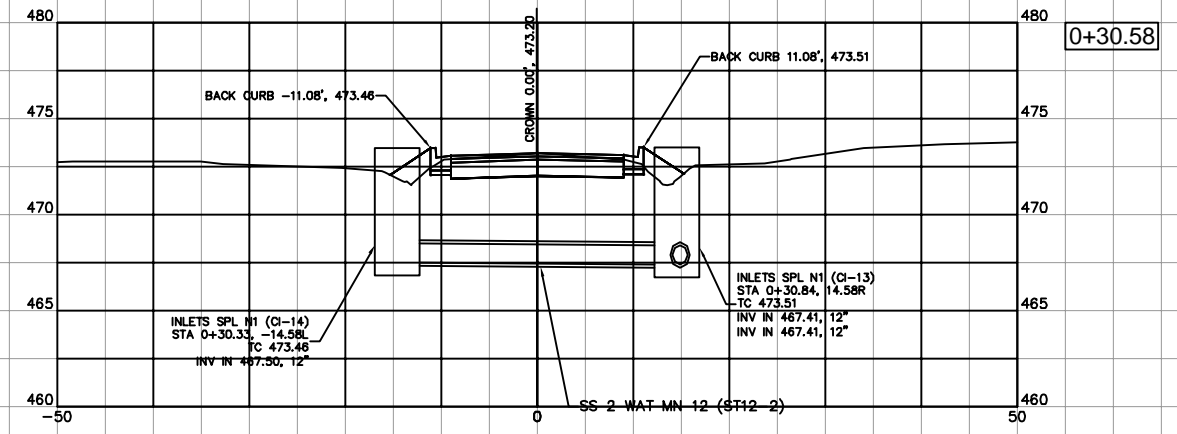
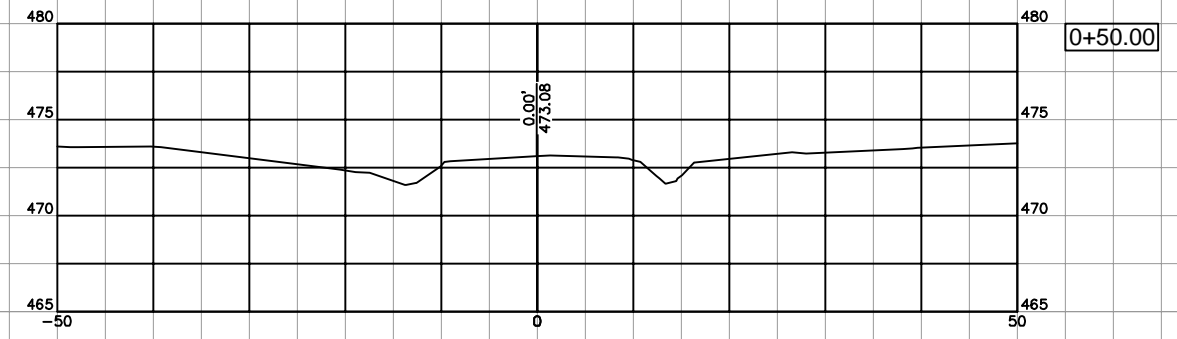
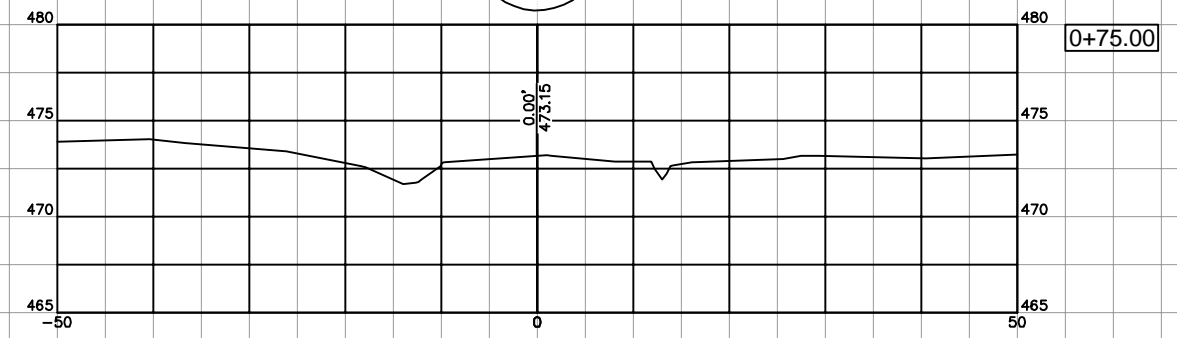
CROSS SECTIONS AT DRIVEWAYS, STREETS AND ALLEYS

SCALE: BAR SCALE SHEET 5 OF 5 SHEETS STA. TO STA.

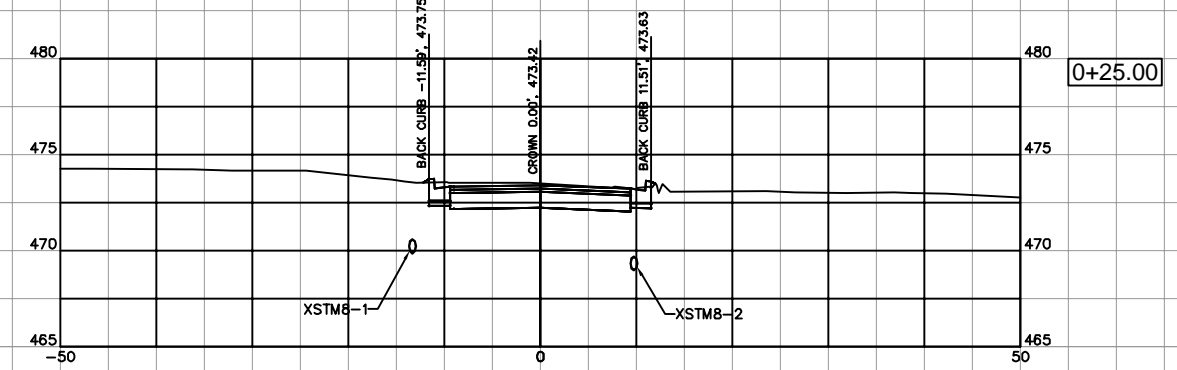
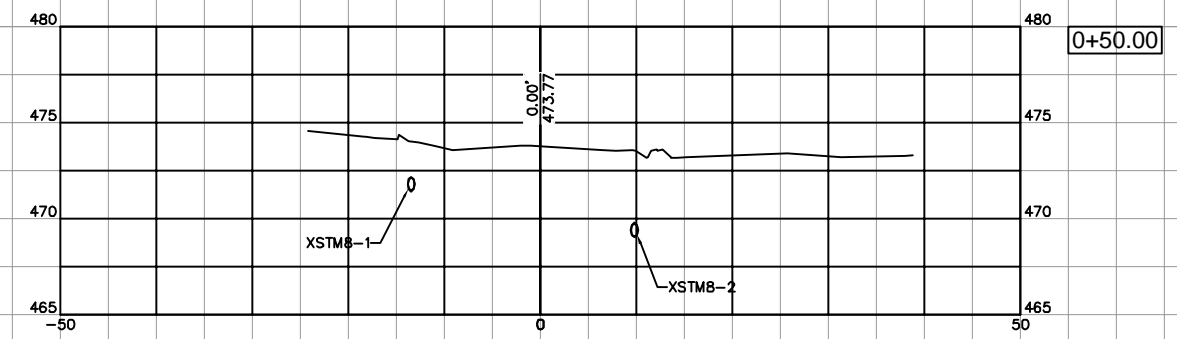
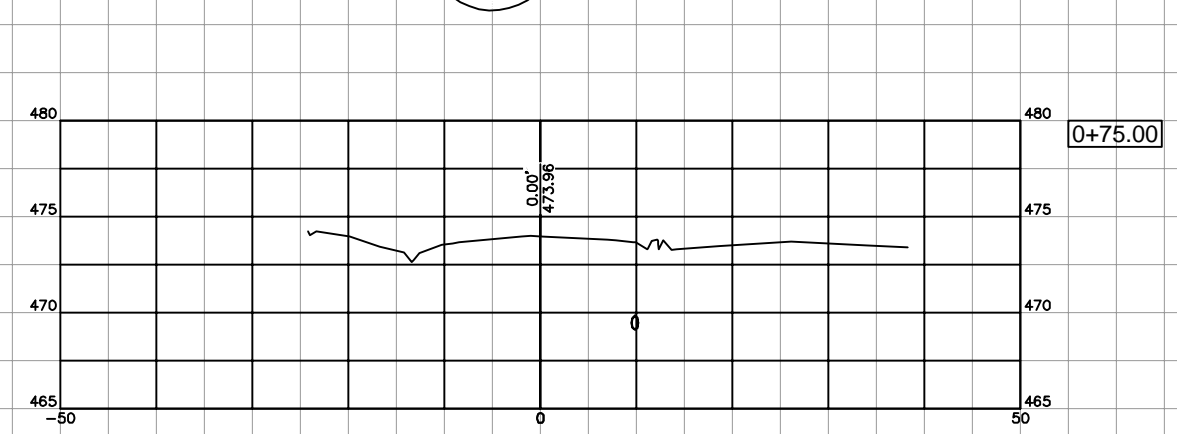
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9450	11-00064-00-FP	FRANKLIN	63	42
STATE JOB NO. C-99-508-17		FED. AID PROJECT 4CA(821)		

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SOUTH WILSON
CROSS SECTIONS



EADES
CROSS SECTIONS



JOHN H. CRAWFORD & ASSOCIATES, P.C.
CIVIL ENGINEERS, LAND SURVEYORS
201 SOUTH DIVISION STREET, CARTERVILLE, ILLINOIS 62919
PHONE (618) 985-6370 FAX (618) 985-6092
PROFESSIONAL DESIGN FIRM # 184-002895

USER NAME =
DESIGNED - JHC
DRAWN - JHC
PLOT SCALE =
CHECKED - RLP
PLOT DATE =
DATE - 03/09/20

SUBMITTAL - 08/16/21
SUBMITTAL - 03/30/22
REVISED -
REVISED -

WASTENA STREET
CITY OF BENTON, IL
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

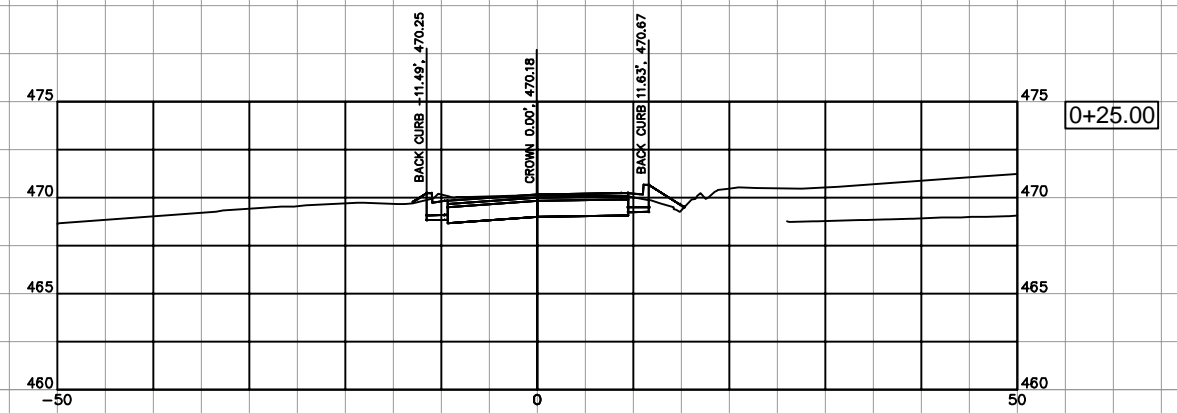
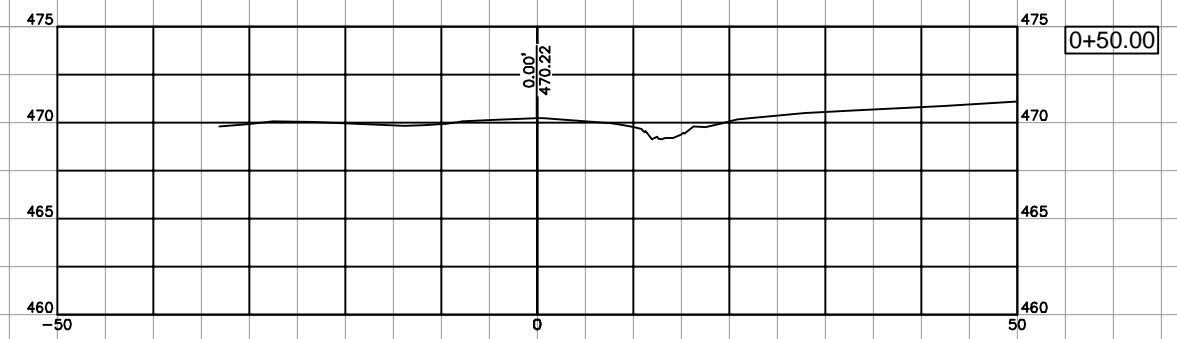
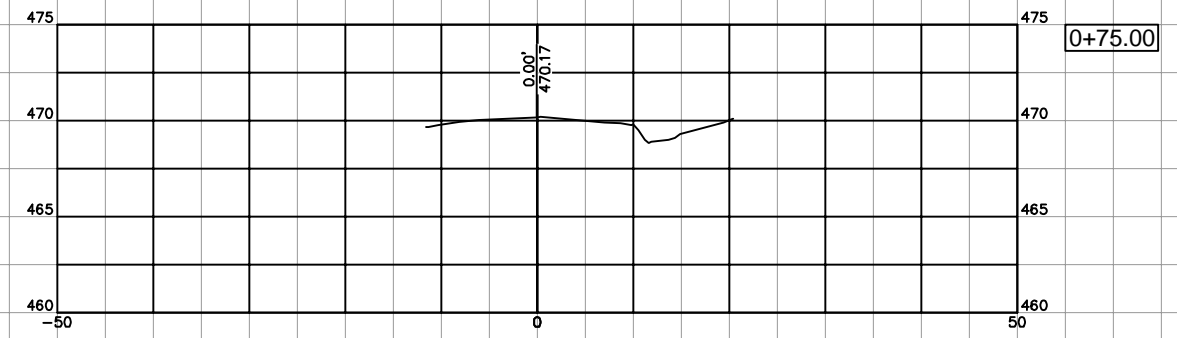
CROSS SECTIONS
SIDE ROADS

SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.

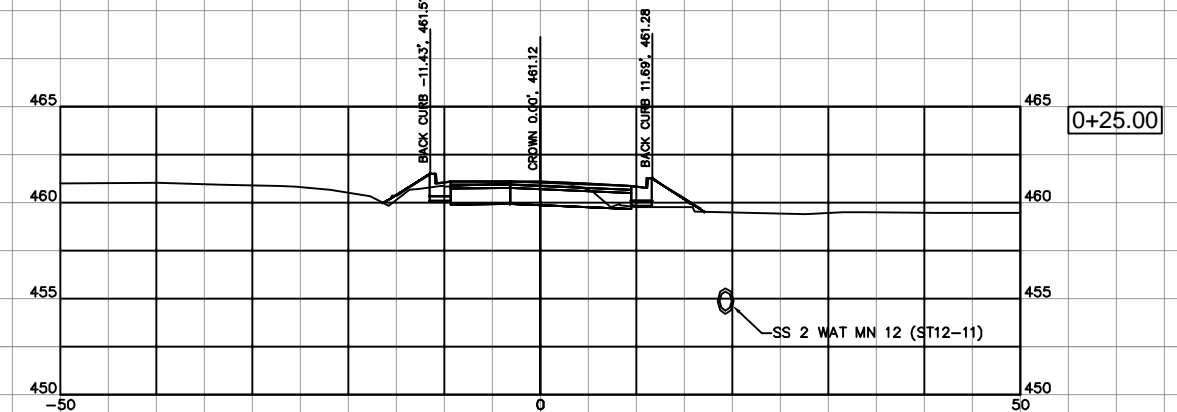
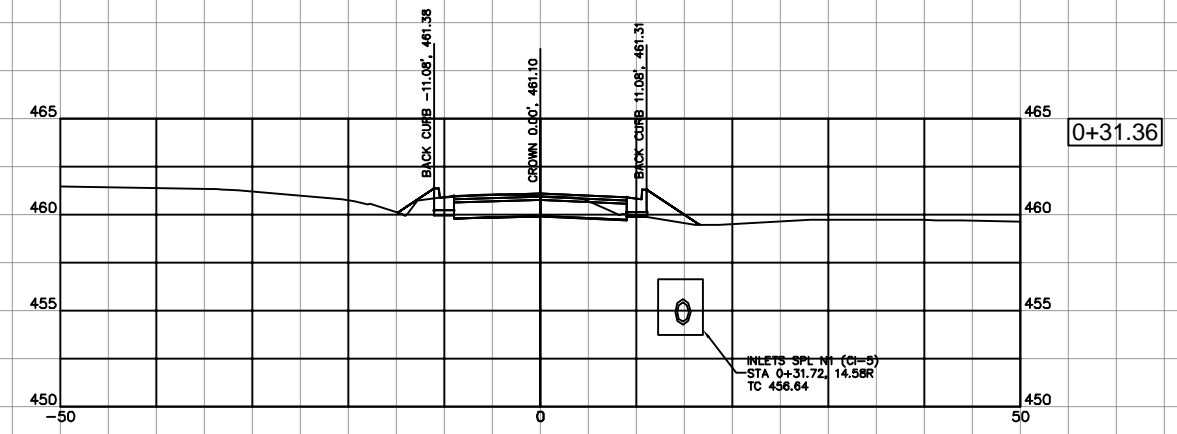
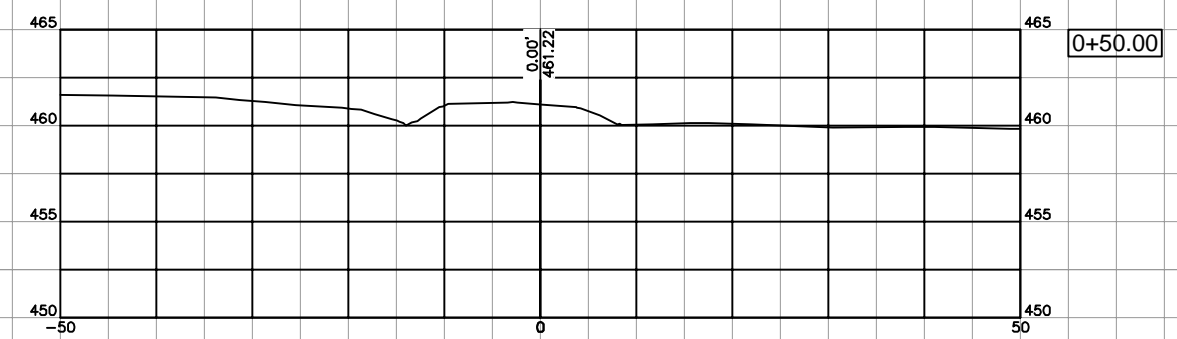
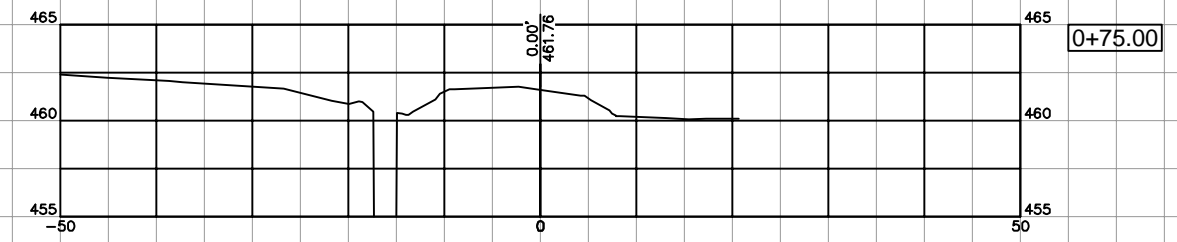
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9450	11-00064-00-FP	FRANKLIN	63	43
STATE JOB NO. C-99-508-17			FED. AID PROJECT 4CAG(821)	

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PRUIT
CROSS SECTIONS



BERLIN NORTH
CROSS SECTIONS



JOHN H. CRAWFORD & ASSOCIATES, P.C.
CIVIL ENGINEERS, LAND SURVEYORS
201 SOUTH DIVISION STREET, CARTERSVILLE, ILLINOIS 62019
PHONE (618) 985-6370 FAX (618) 985-6692
PROFESSIONAL DESIGN FIRM # 184-002895

USER NAME =
DESIGNED - JHC
DRAWN - JHC
CHECKED - RLP
DATE - 03/09/20

SUBMITTAL - 08/16/21
SUBMITTAL - 03/30/22
REVISED - 08/05/22
REVISED -

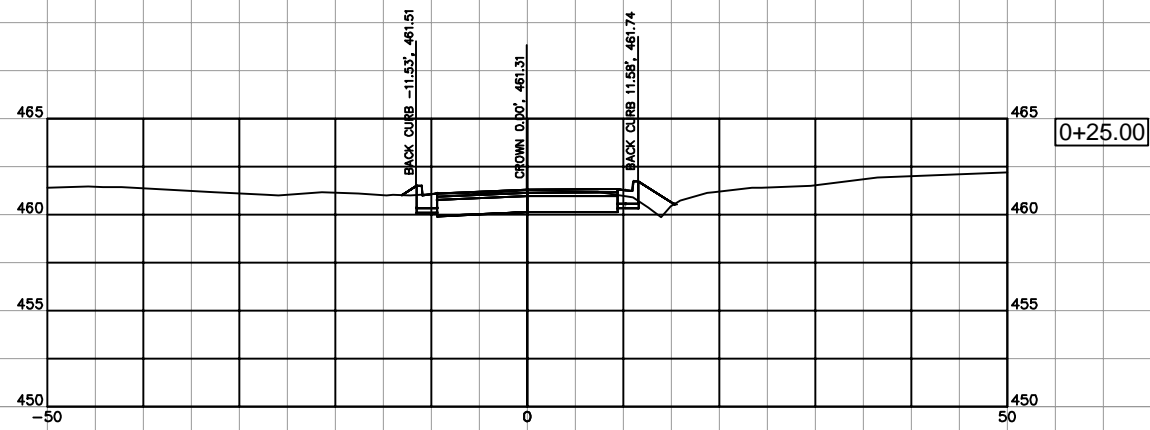
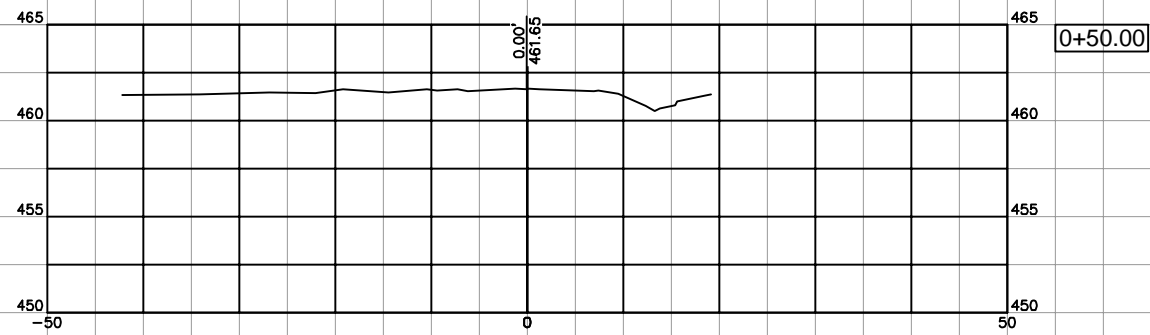
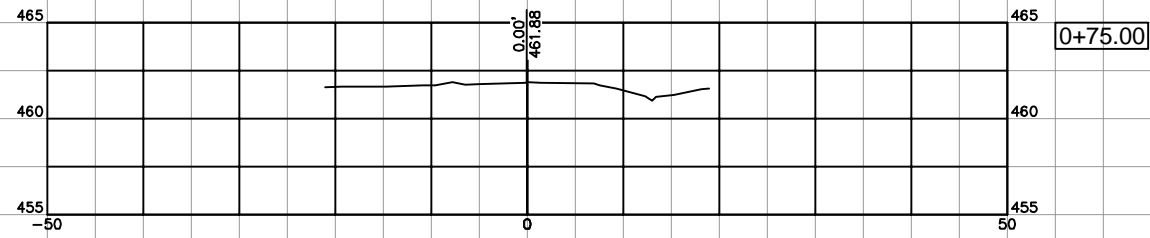
WASTENA STREET
CITY OF BENTON, IL
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
SIDE ROADS

SCALE: SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9450	11-00064-00-FP	FRANKLIN	63	44
STATE JOB NO. C-99-508-17			FED. AID PROJECT 4CAG(821)	

BERLIN SOUTH
CROSS SECTIONS



JOHN H. CRAWFORD & ASSOCIATES, P.C.
CIVIL ENGINEERS, LAND SURVEYORS
201 SOUTH DIVISION STREET, CARTERSVILLE, ILLINOIS 62019
PHONE (618) 985-6370 FAX (618) 985-6692
PROFESSIONAL DESIGN FIRM # 184-002895

USER NAME =
PLOT SCALE =
PLOT DATE =

DESIGNED - JHC
DRAWN - JHC
CHECKED - RLP
DATE - 03/09/20

SUBMITTAL - 08/16/21
SUBMITTAL - 03/30/22
REVISED -
REVISED -

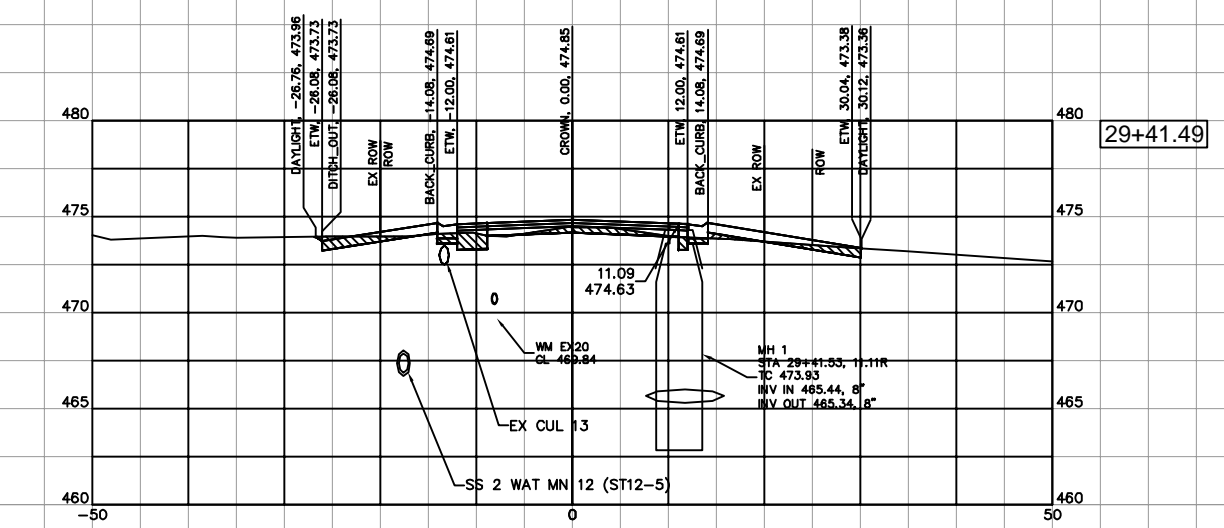
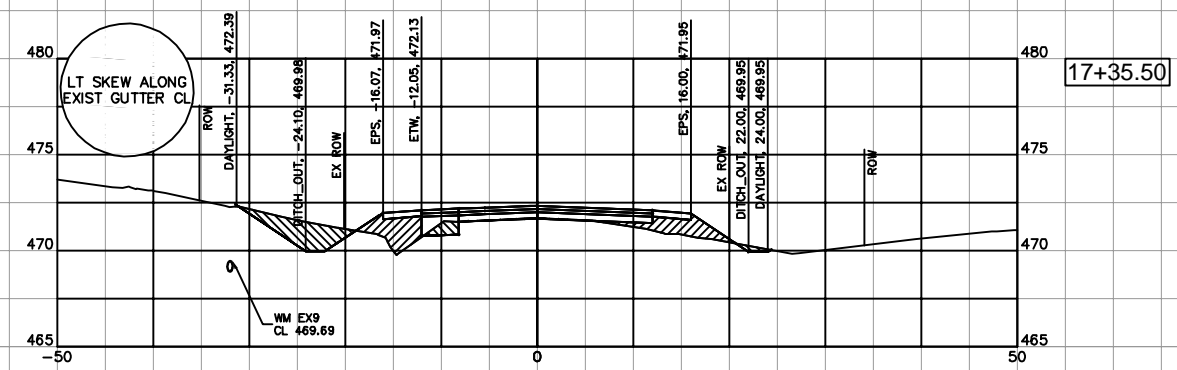
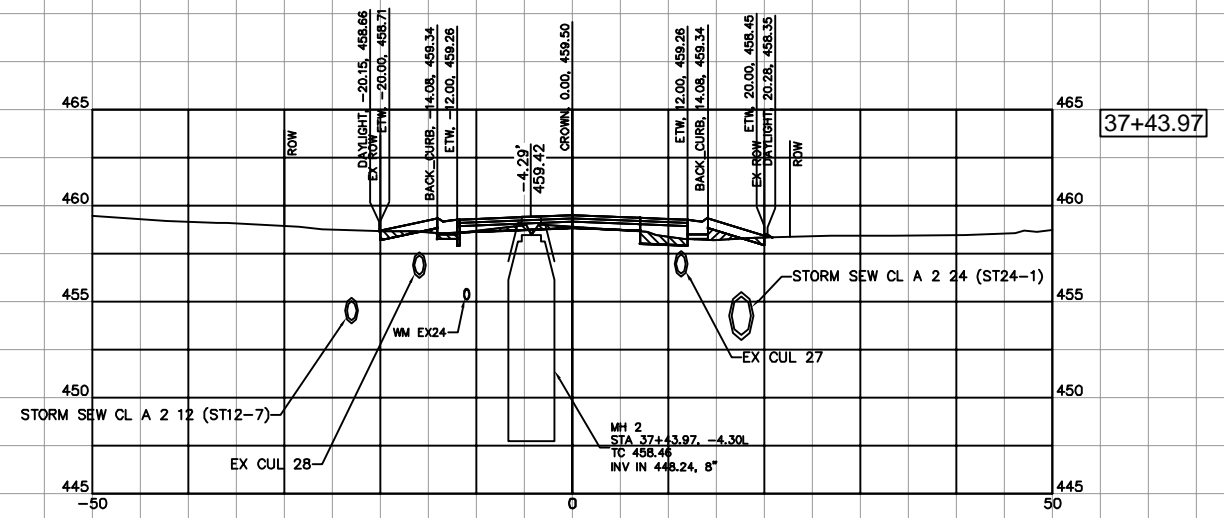
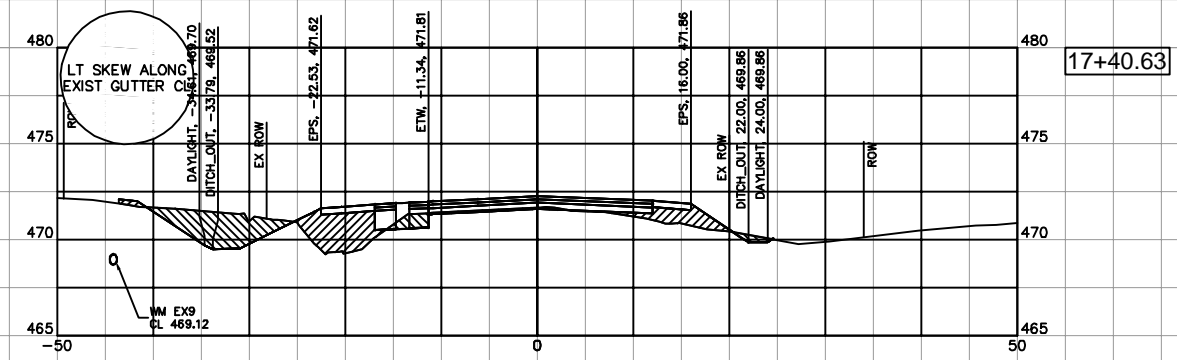
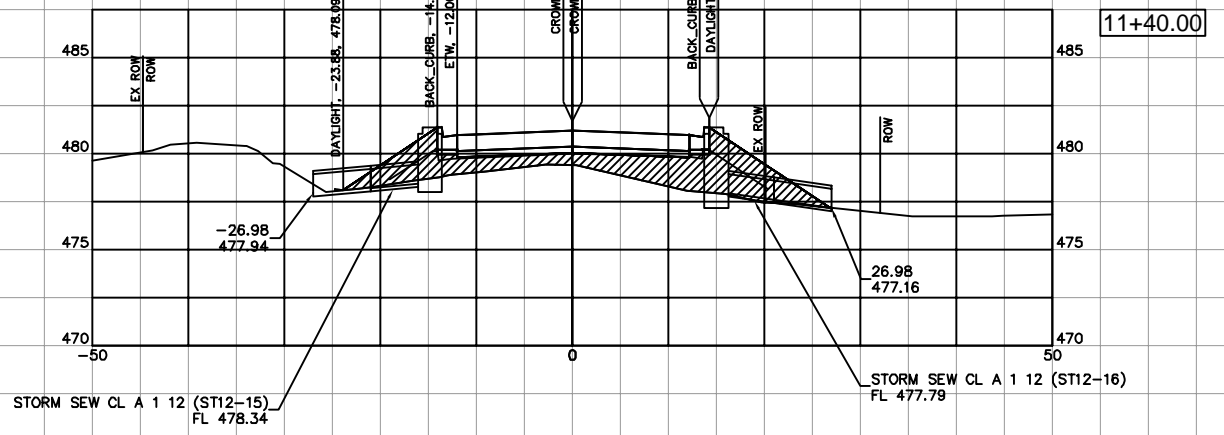
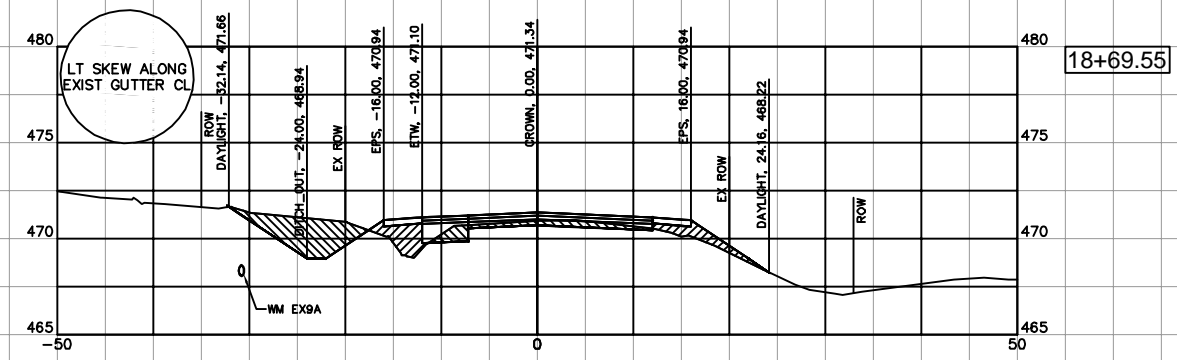
WASTENA STREET
CITY OF BENTON, IL
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
SIDE ROADS

SCALE: BAR SCALE SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9450	11-00064-00-FP	FRANKLIN	63	45
STATE JOB NO. C-99-508-17			FED. AID PROJECT 4CAG(821)	

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JOHN H. CRAWFORD & ASSOCIATES, P.C.
 CIVIL ENGINEERS, LAND SURVEYORS
 201 SOUTH DIVISION STREET, CARTERSVILLE, ILLINOIS 62919
 PHONE (618) 985-6370 FAX (618) 985-6692
 PROFESSIONAL DESIGN FIRM # 184-002895

USER NAME =
 DESIGNED - JHC
 DRAWN - JHC
 CHECKED - RLP
 DATE - 03/09/20

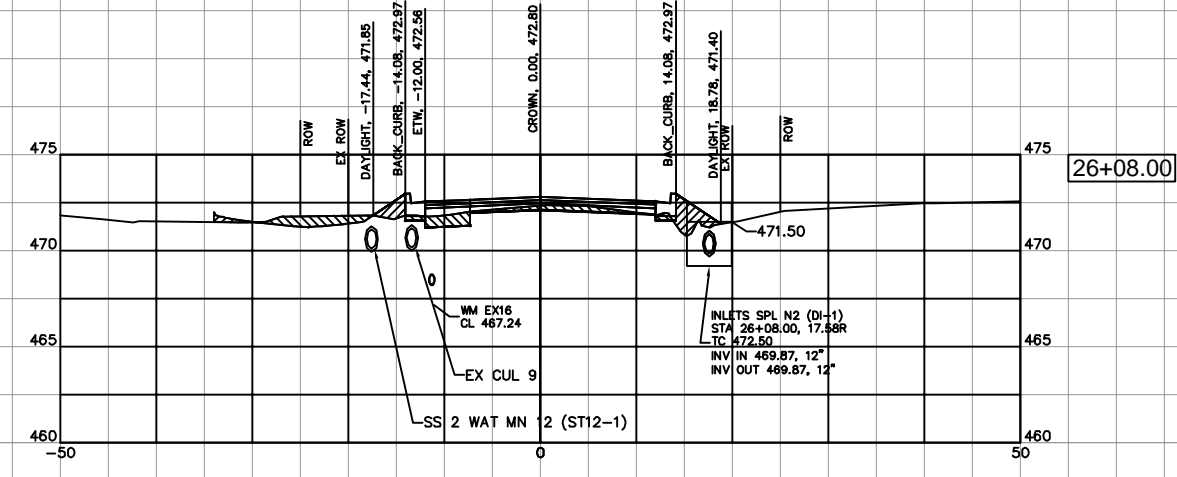
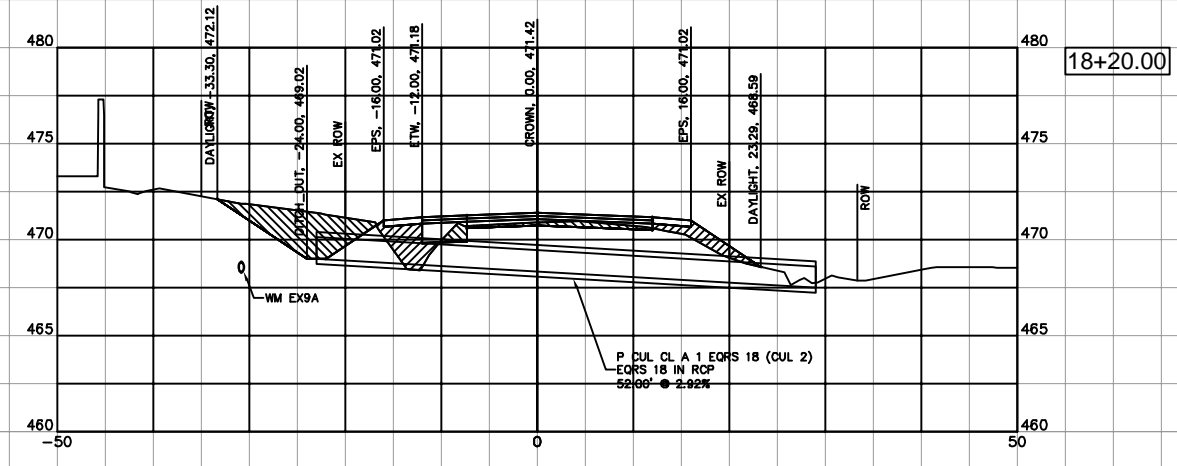
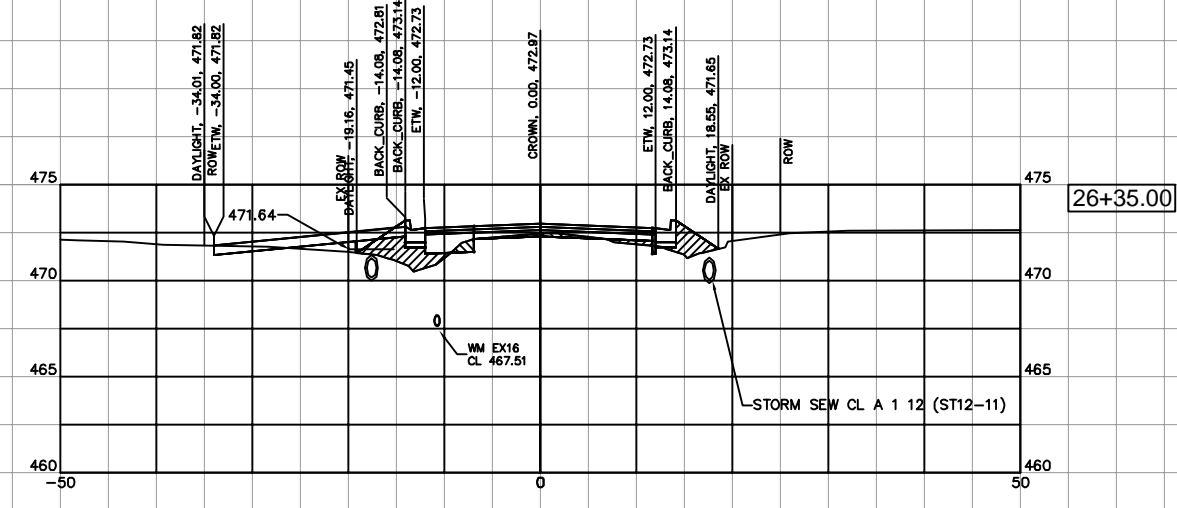
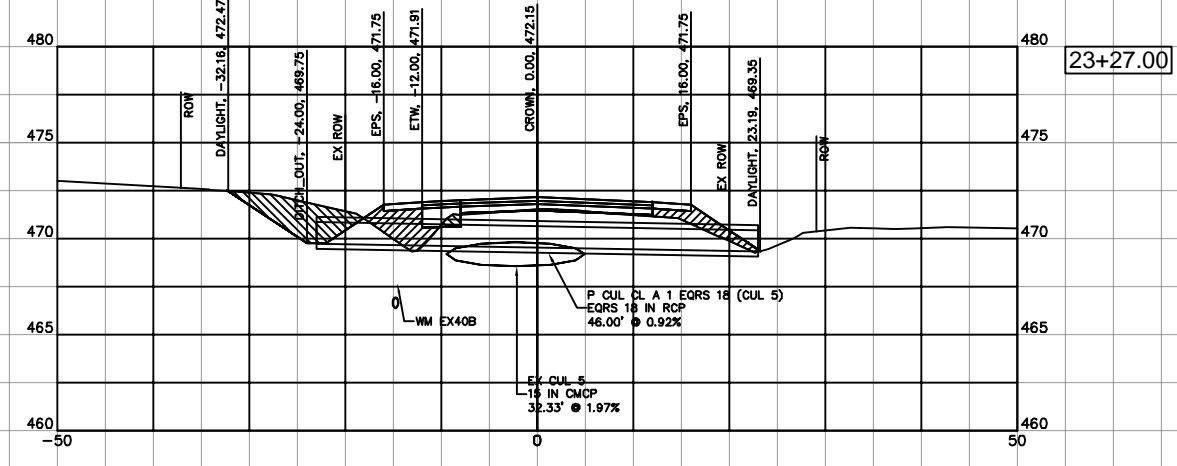
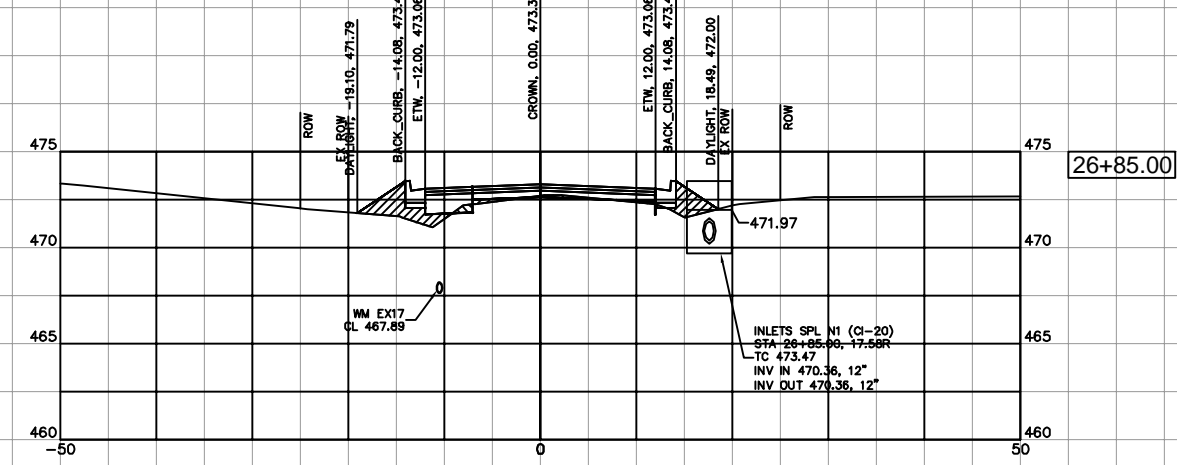
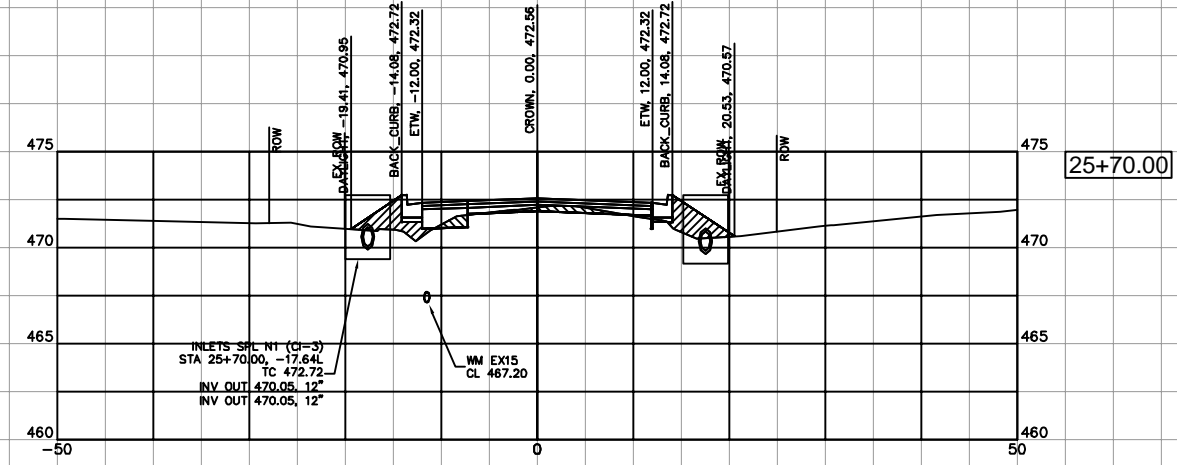
SUBMITTAL - 08/16/21
 SUBMITTAL - 03/30/22 REV
 REVISED -
 REVISED -

WASTENA STREET
 CITY OF BENTON, IL
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 EX GUTTER OUTLET & SANITARY MANHOLE
 SCALE: SHEET 1 OF 1 SHEETS STA. 17+35.50 TO STA. 37+43.97

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9450	11-00064-00-FP	FRANKLIN	63	46
STATE JOB NO. C-99-508-17		FED. AID PROJECT 4CA(821)		

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SEE STA 11+40
ON PAGE 46

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CIVIL ENGINEERS, LAND SURVEYORS
201 SOUTH DIVISION STREET, CARTERVILLE, ILLINOIS 62019
PHONE (618) 985-6370 FAX (618) 985-6932
PROFESSIONAL DESIGN FIRM # 184-002895

USER NAME =
DESIGNED - JHC
DRAWN - JHC
PLOT SCALE =
CHECKED - RLP
PLOT DATE =
DATE - 03/09/20

DESIGNED - JHC
DRAWN - JHC
CHECKED - RLP
DATE - 03/09/20

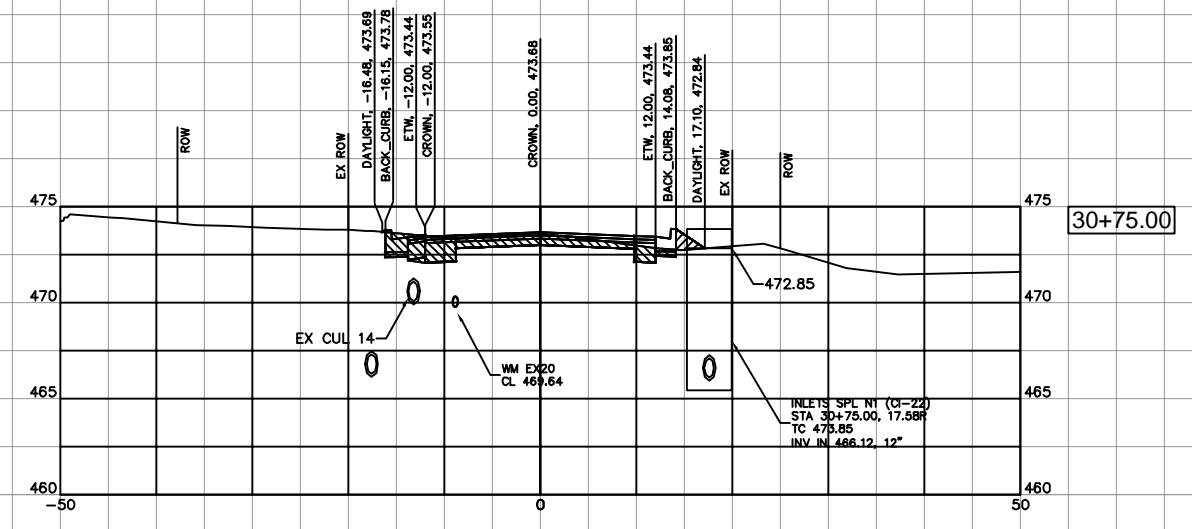
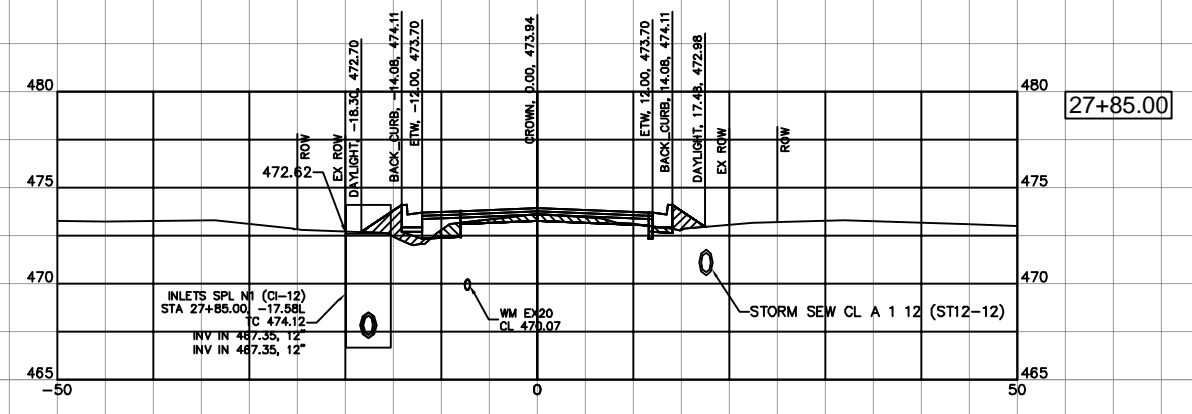
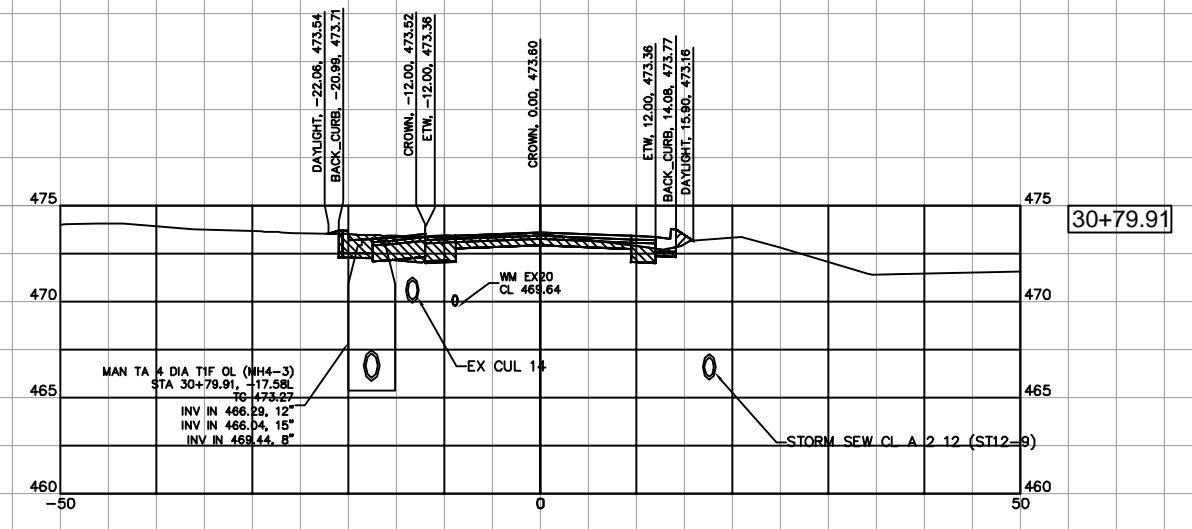
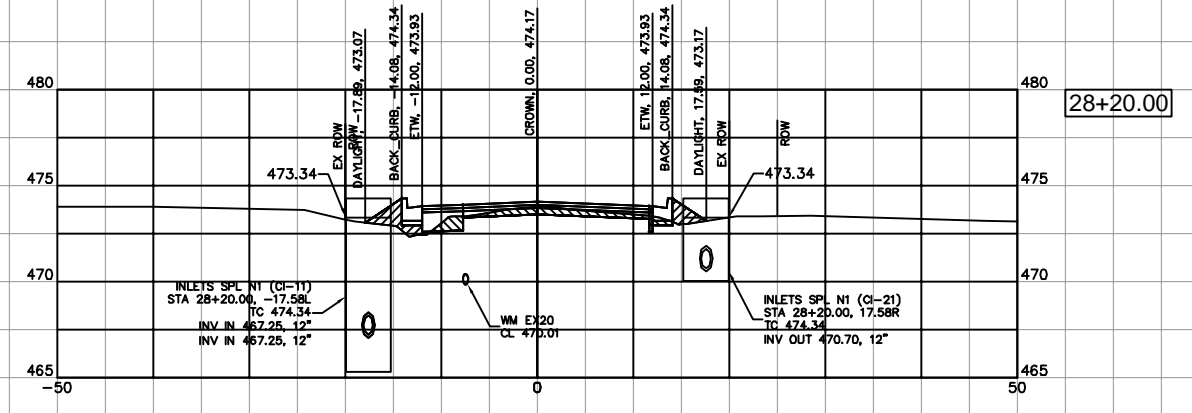
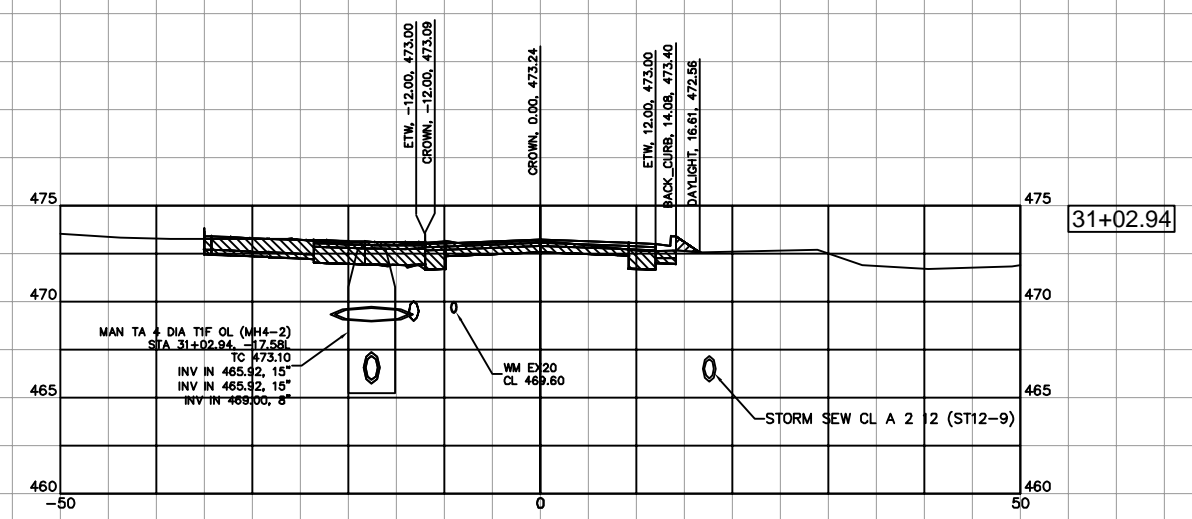
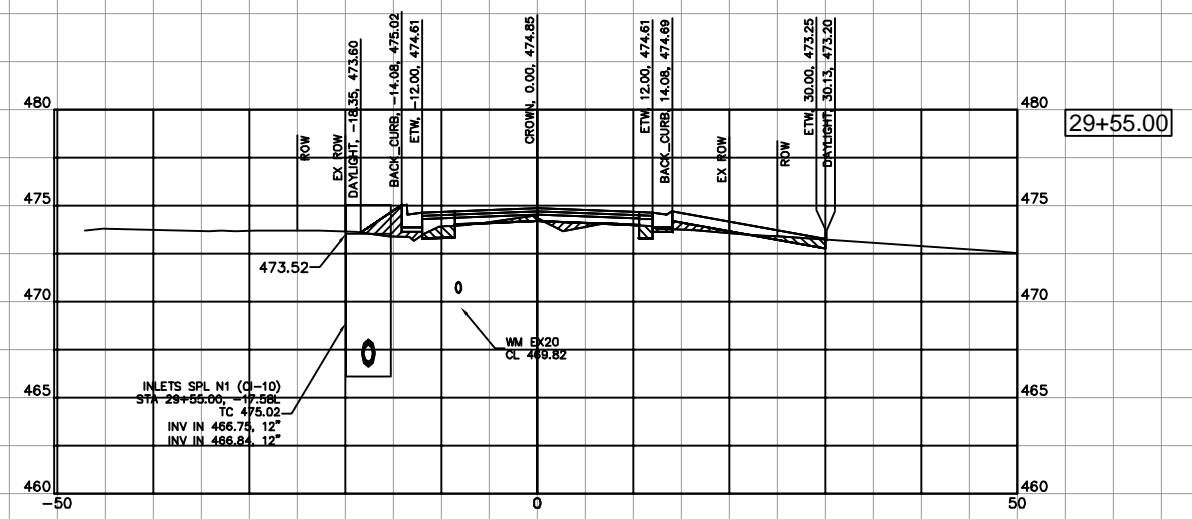
WASTENA STREET
CITY OF BENTON, IL
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**CROSS SECTIONS
CULVERTS & STORM SEWER INLETS**

SCALE: SHEET 1 OF 5 SHEETS STA. 18+20.00 TO STA. 26+85.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9450	11-00064-00-FP	FRANKLIN	63	47
STATE JOB NO. C-99-508-17			FED. AID PROJECT 4CA(821)	

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 CIVIL ENGINEERS, LAND SURVEYORS
 201 SOUTH DIVISION STREET, CARTERSVILLE, ILLINOIS 62919
 PHONE (618) 985-6370 FAX (618) 985-6392
 PROFESSIONAL DESIGN FIRM # 184-002895

USER NAME =
 DESIGNED - JHC
 DRAWN - JHC
 CHECKED - RLP
 DATE - 03/09/20

SUBMITTAL - 08/16/21
 SUBMITTAL - 03/30/22
 REVISED -
 REVISED -

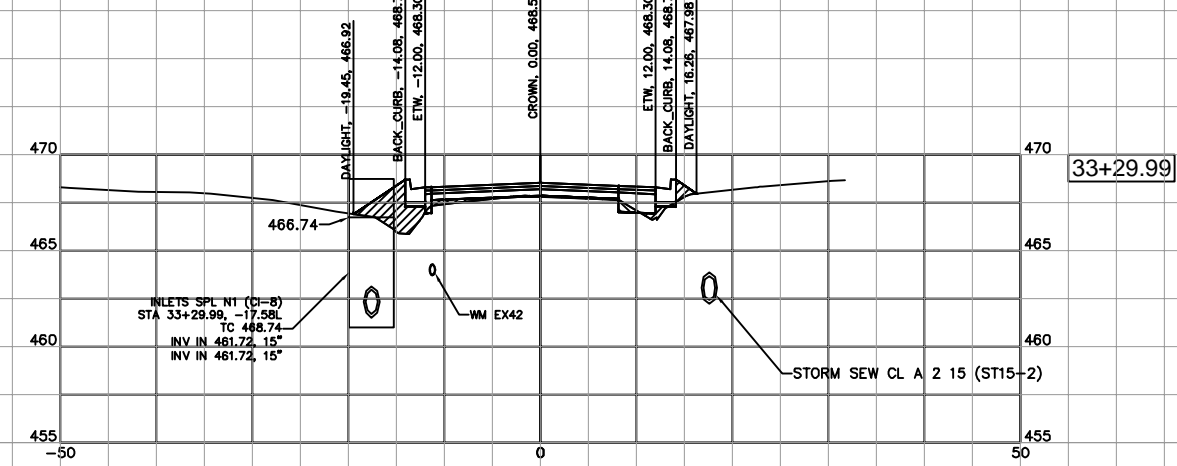
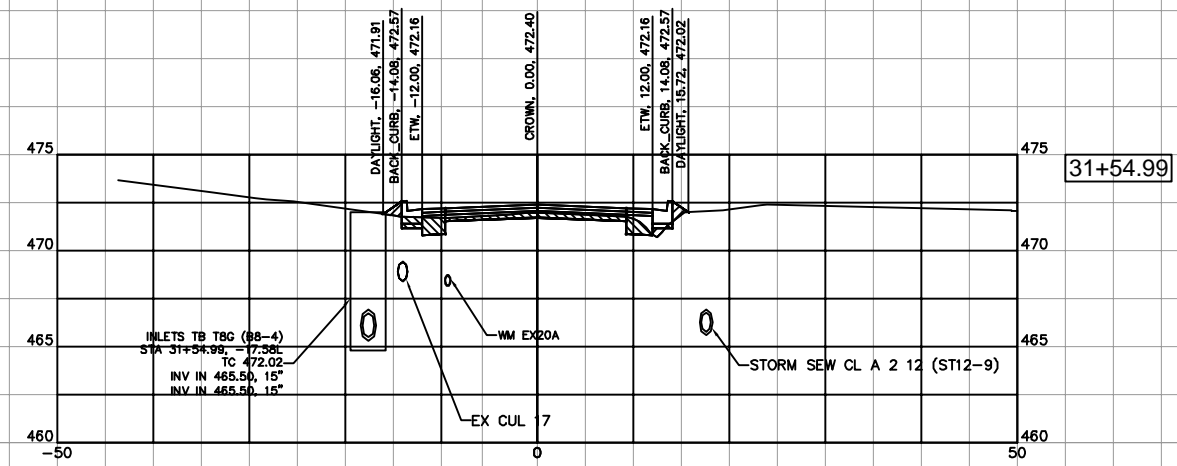
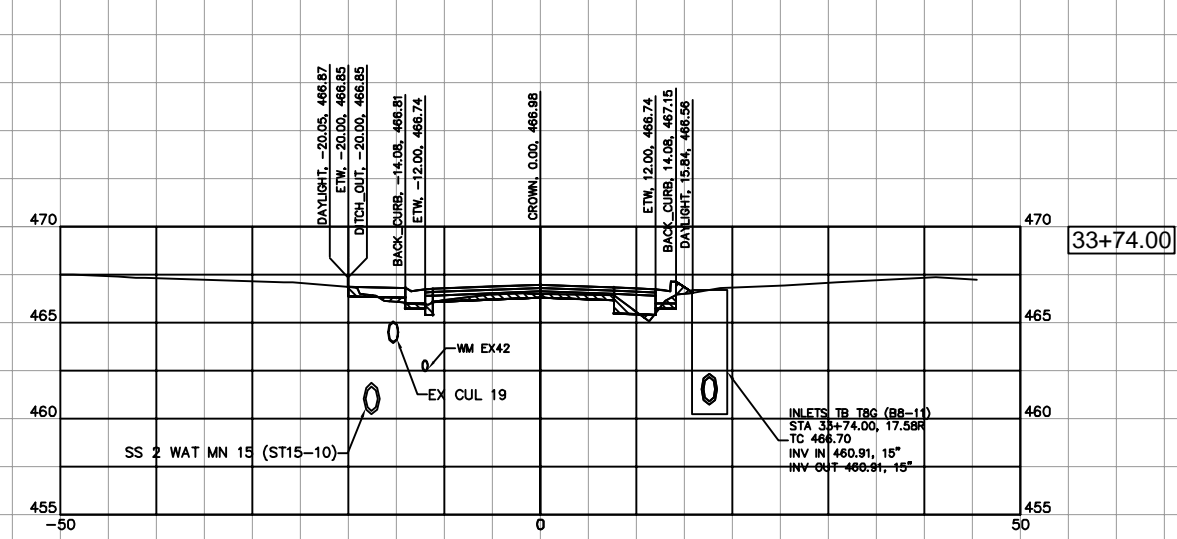
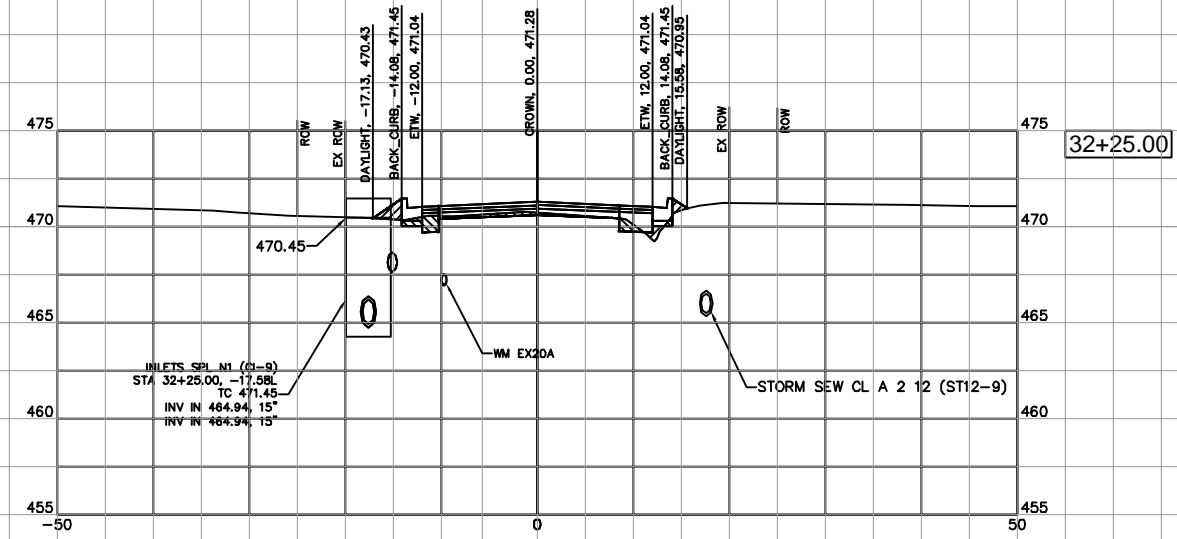
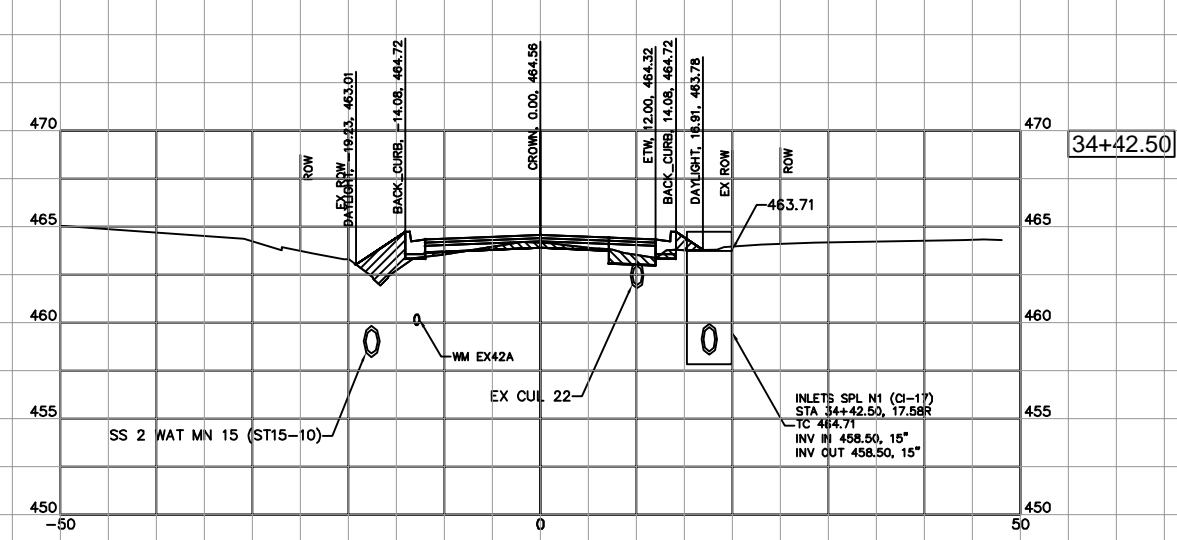
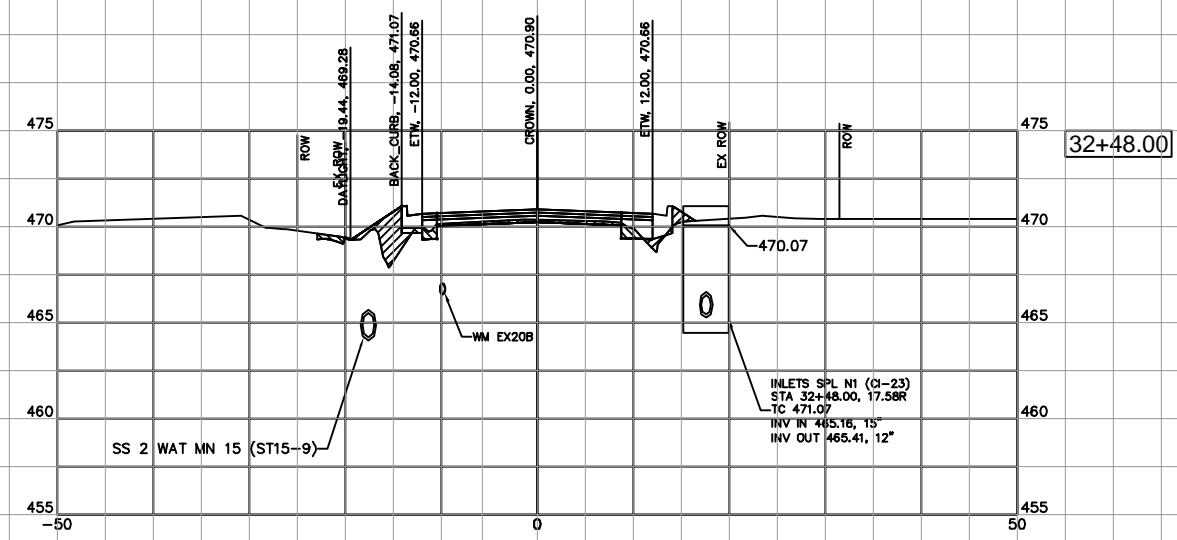
WASTENA STREET
 CITY OF BENTON, IL
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

**CROSS SECTIONS
 CULVERTS & STORM SEWER INLETS**

SCALE: BAR SCALE SHEET 2 OF 5 SHEETS STA. 27+85.00 TO STA. 31+02.94

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9450	11-00064-00-FP	FRANKLIN	63	48
STATE JOB NO. C-99-508-17			FED. AID PROJECT 4CA(821)	

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 CIVIL ENGINEERS, LAND SURVEYORS
 201 SOUTH DIVISION STREET, CARTERSVILLE, ILLINOIS 62931
 PHONE (618) 985-6370 FAX (618) 985-6932
 PROFESSIONAL DESIGN FIRM # 184-002895

USER NAME =
 DESIGNED - JHC
 DRAWN - JHC
 CHECKED - RLP
 DATE - 03/09/20

SUBMITTAL - 08/16/21
 SUBMITTAL - 03/30/22
 REVISED -
 REVISED -

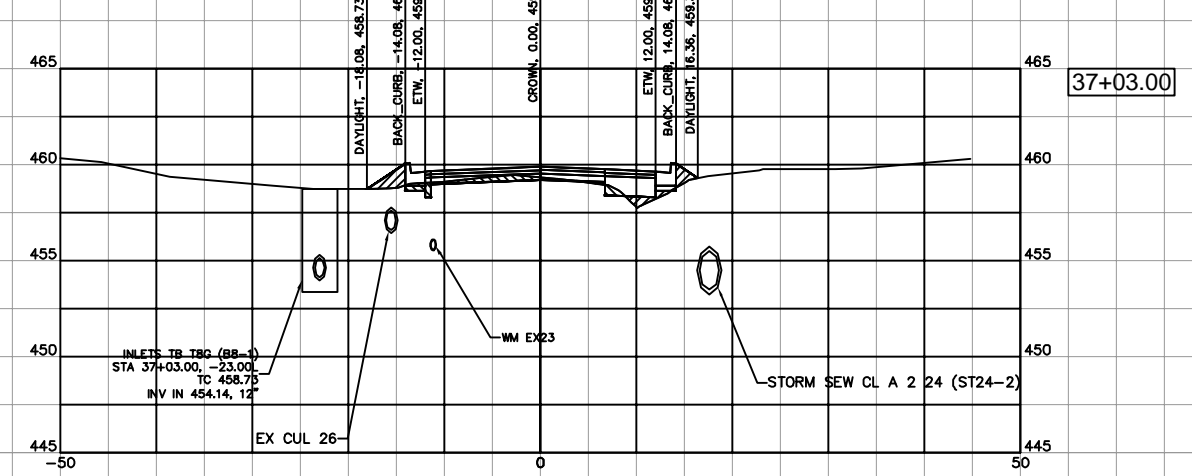
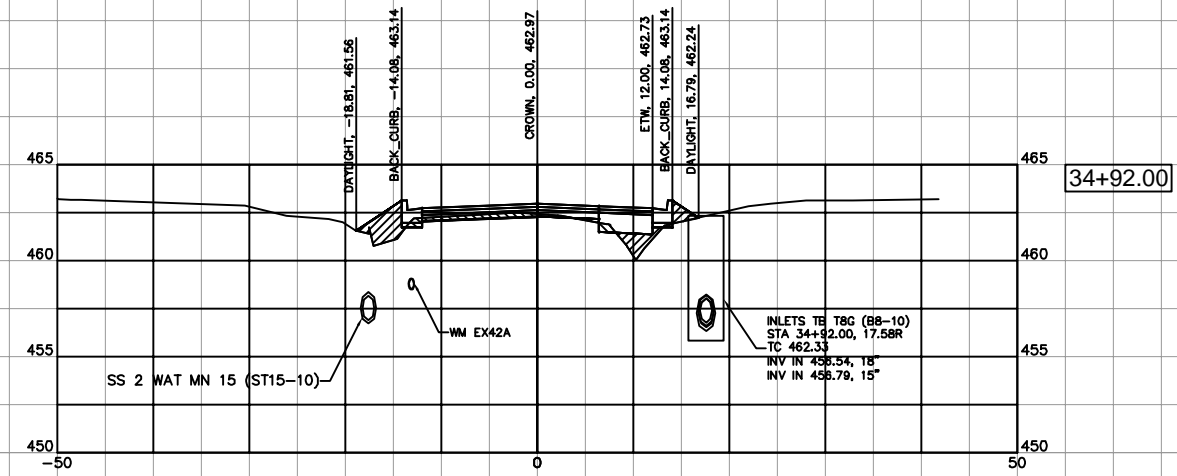
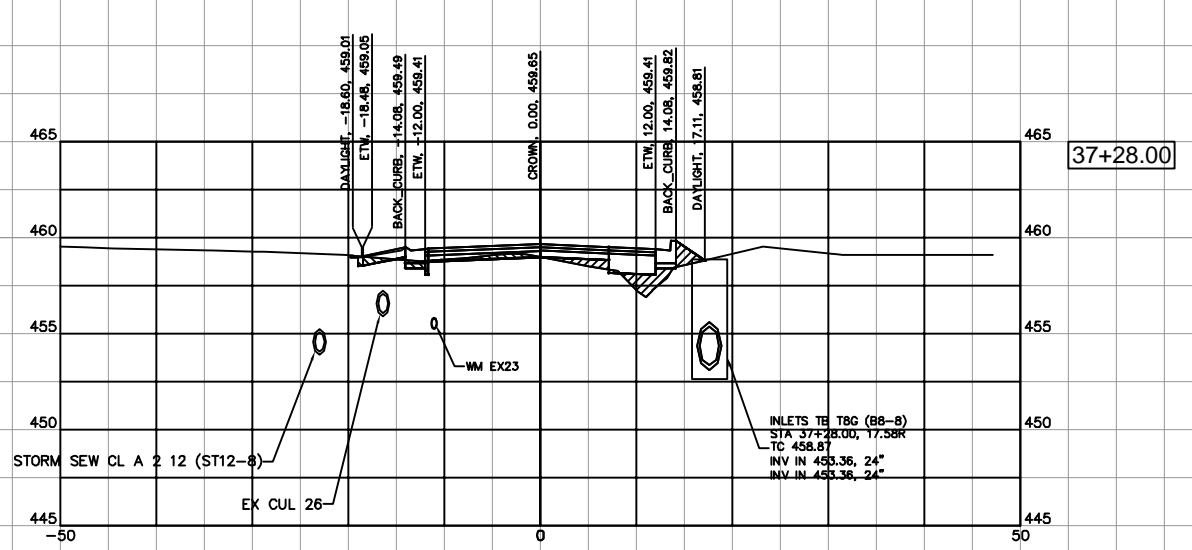
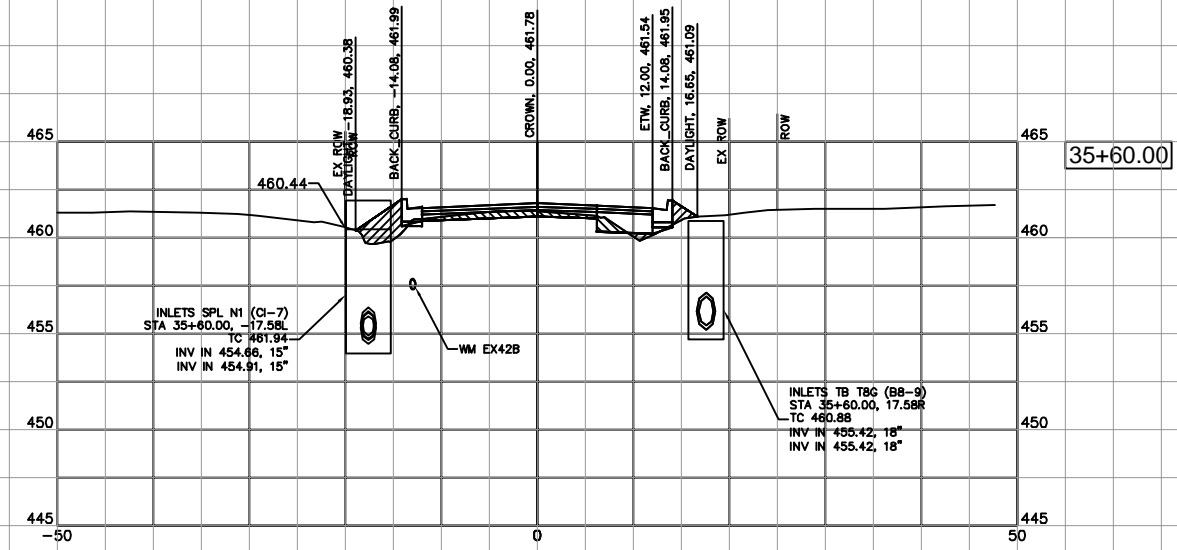
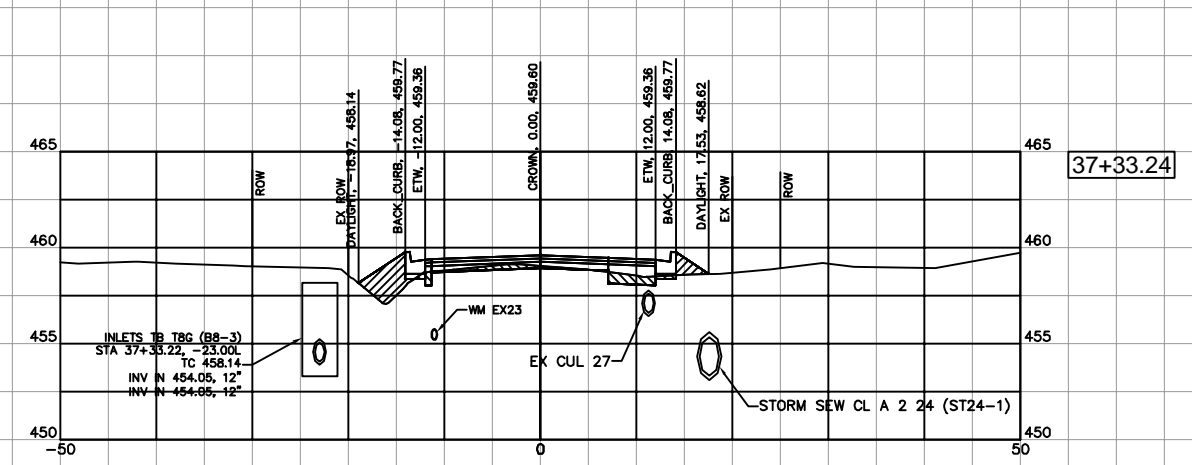
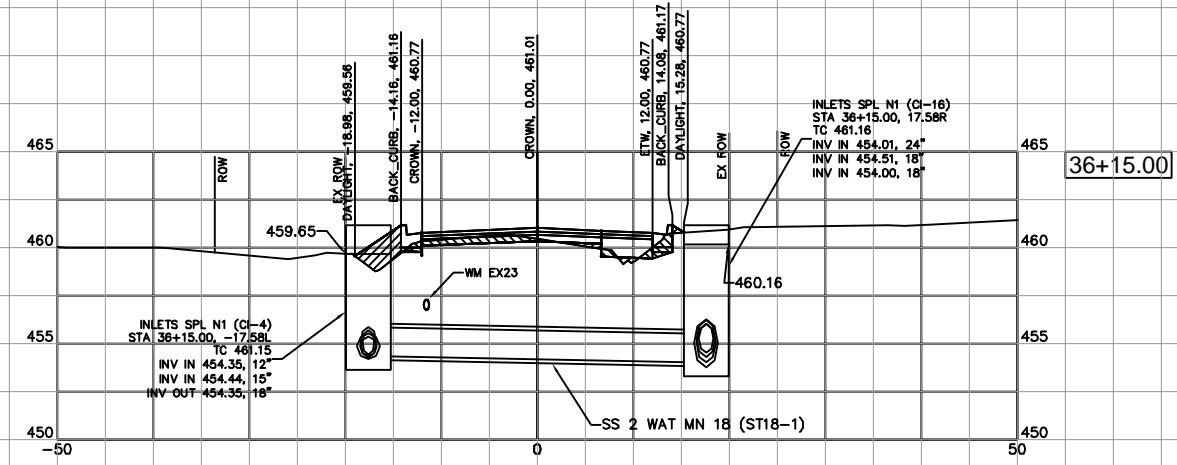
WASTENA STREET
 CITY OF BENTON, IL
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
CULVERTS & STORM SEWER INLETS

SCALE: BAR SCALE SHEET 3 OF 5 SHEETS STA. 31+54.99 TO STA. 34+42.50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9450	11-00064-00-FP	FRANKLIN	63	49
STATE JOB NO. C-99-508-17 FED. AID PROJECT 4CA(821)				

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 201 SOUTH DIVISION STREET, CARTEVILLE, ILLINOIS 62931
 PHONE (618) 985-6370 FAX (618) 985-6932
 PROFESSIONAL DESIGN FIRM # 184-002895

USER NAME =
 DESIGNED - JHC
 DRAWN - JHC
 CHECKED - RLP
 DATE - 03/09/20

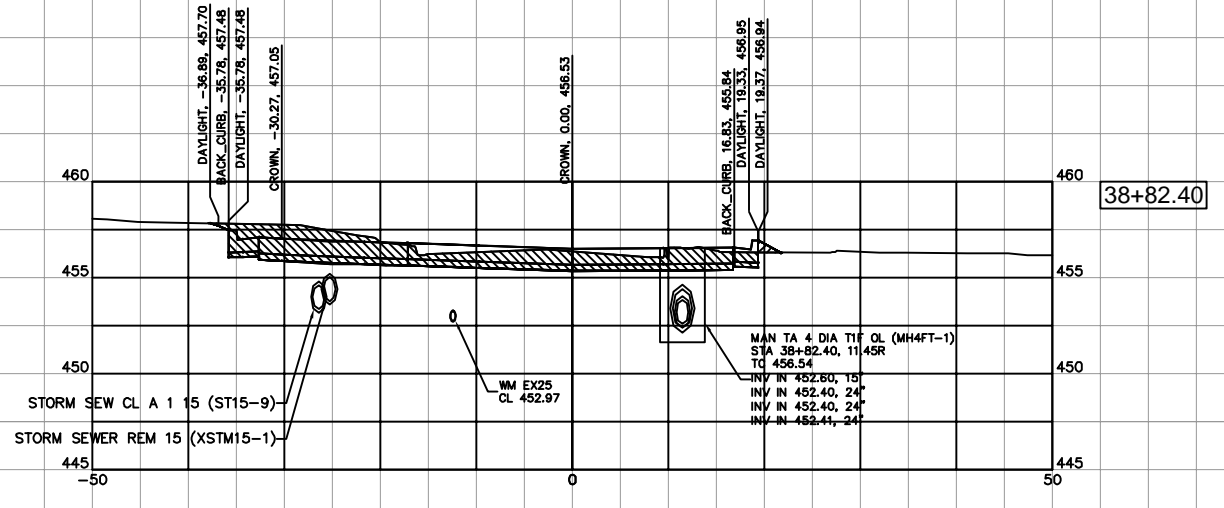
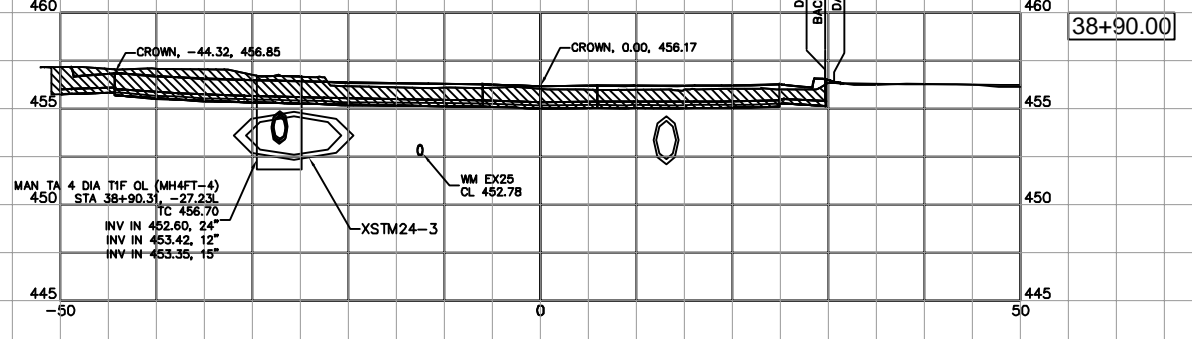
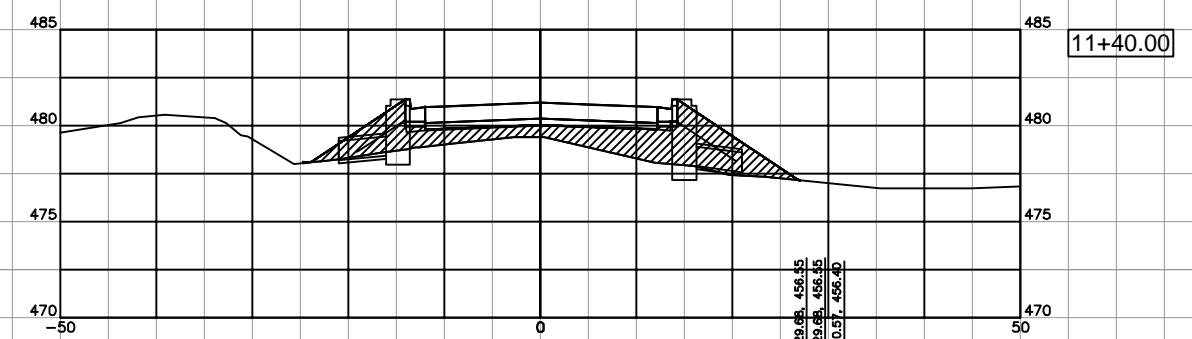
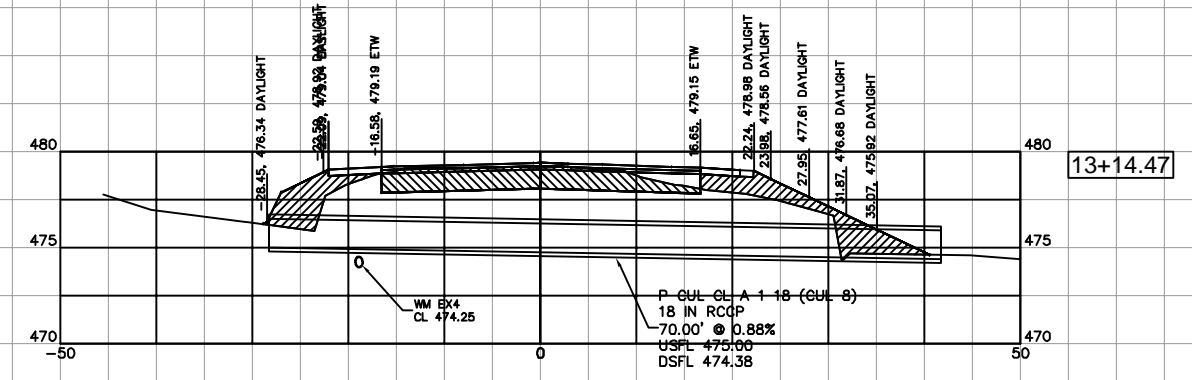
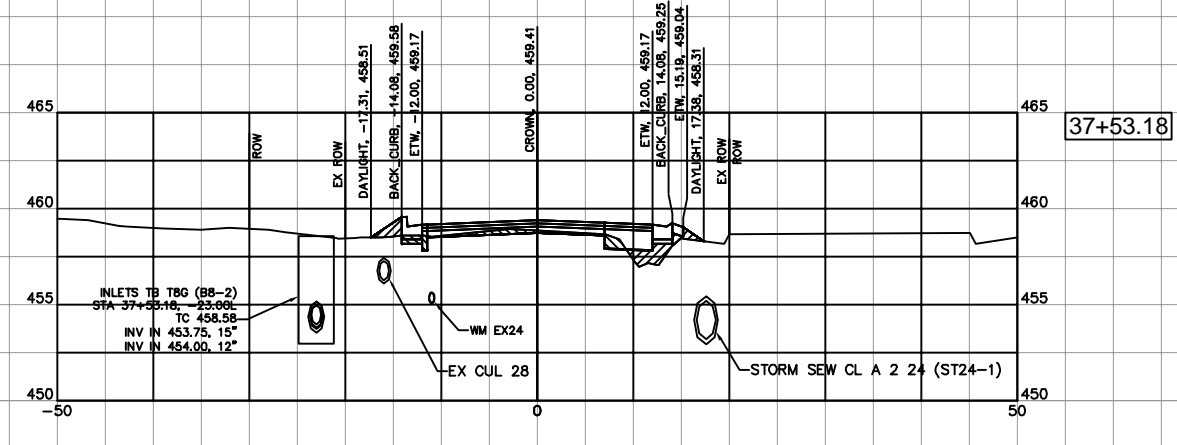
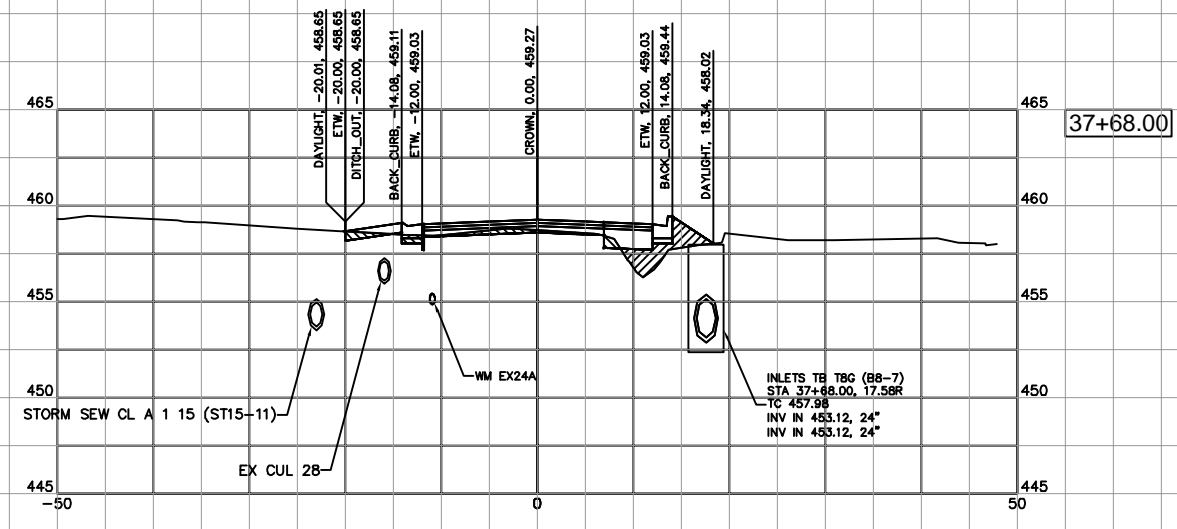
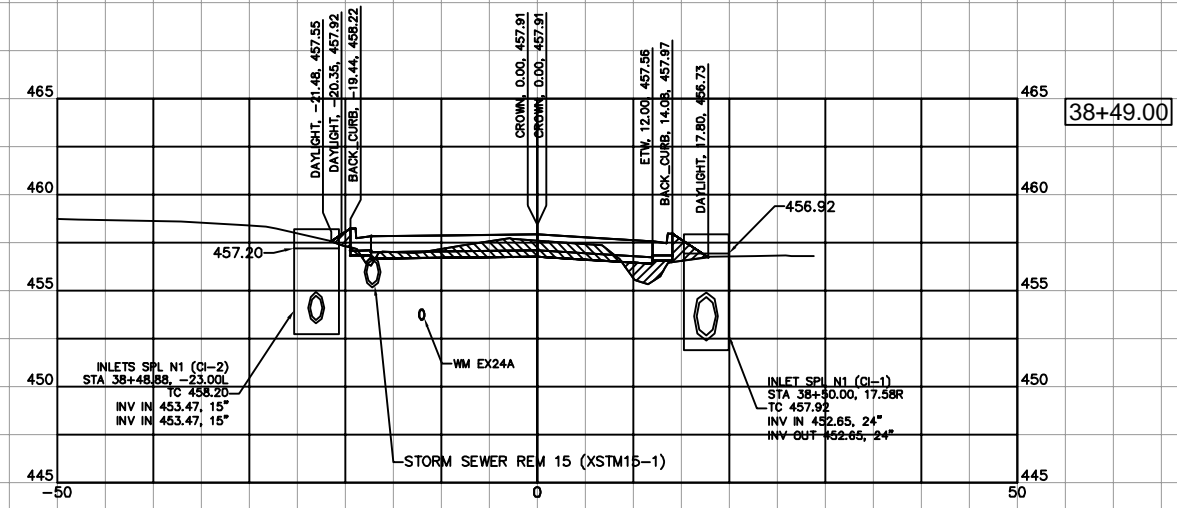
SUBMITTAL - 08/16/21
 SUBMITTAL - 03/30/22
 REVISED -
 REVISED -

WASTENA STREET
CITY OF BENTON, IL
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
CULVERTS & STORM SEWER INLETS
 SCALE: SHEET 4 OF 5 SHEETS STA. 34+92.0 TO STA. 37+33.24

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9450	11-00064-00-FP	FRANKLIN	63	50
STATE JOB NO. C-99-508-17 FED. AID PROJECT 4CA(821)				

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 201 SOUTH DIVISION STREET, CARTERSVILLE, ILLINOIS 62919
 PHONE (618) 985-6370 FAX (618) 985-6932
 PROFESSIONAL DESIGN FIRM # 184-002895

USER NAME =
 DESIGNED - JHC
 DRAWN - JHC
 CHECKED - RLP
 DATE - 03/09/20

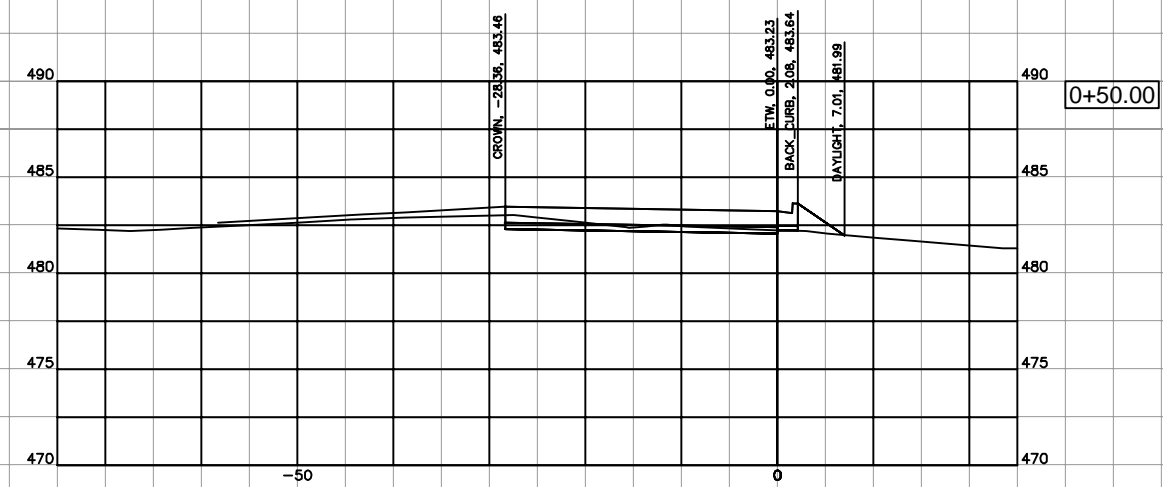
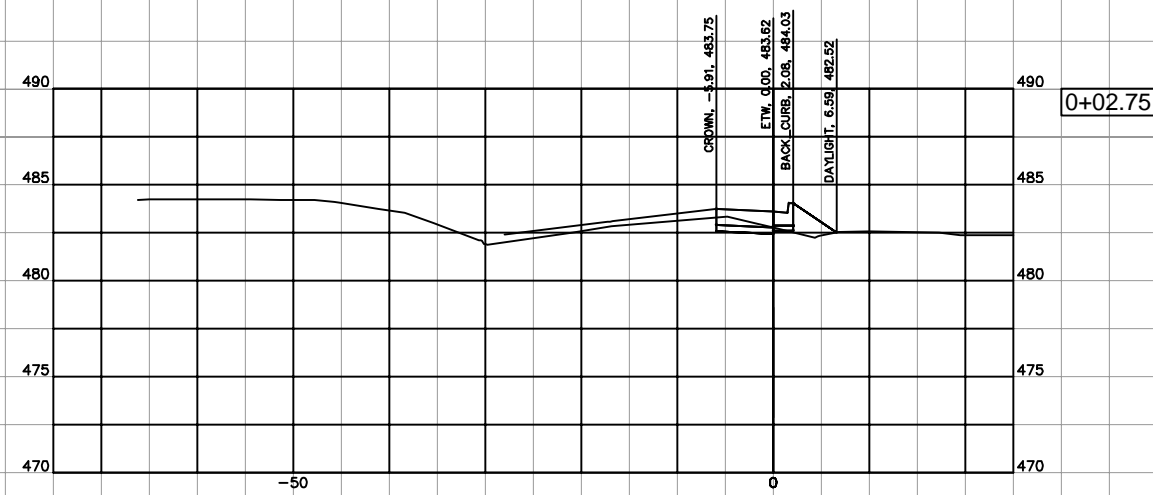
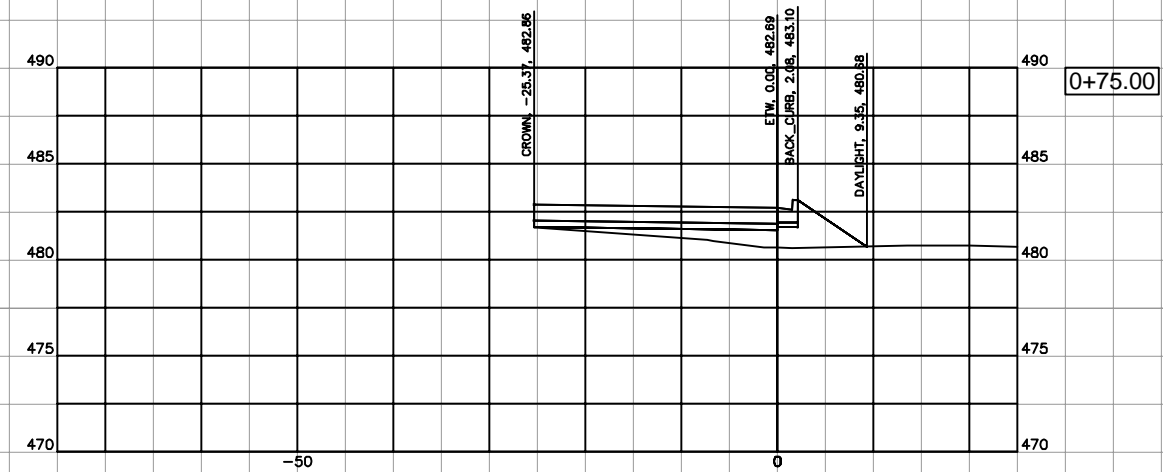
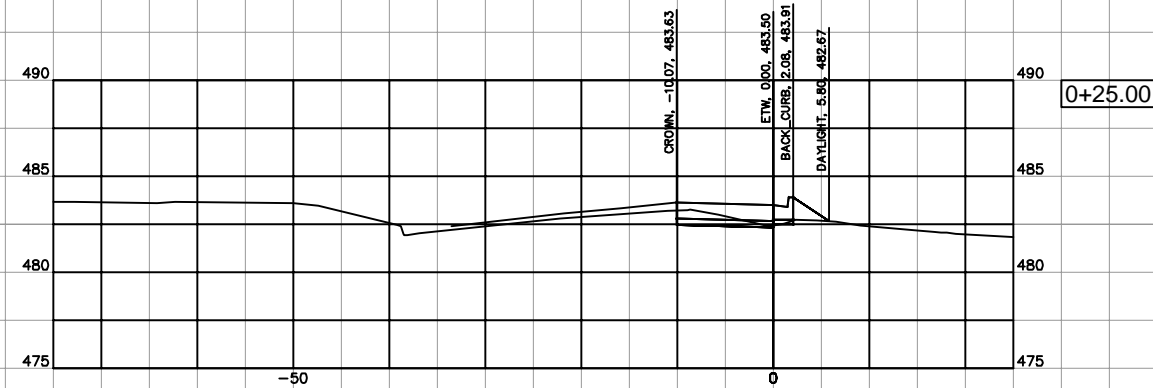
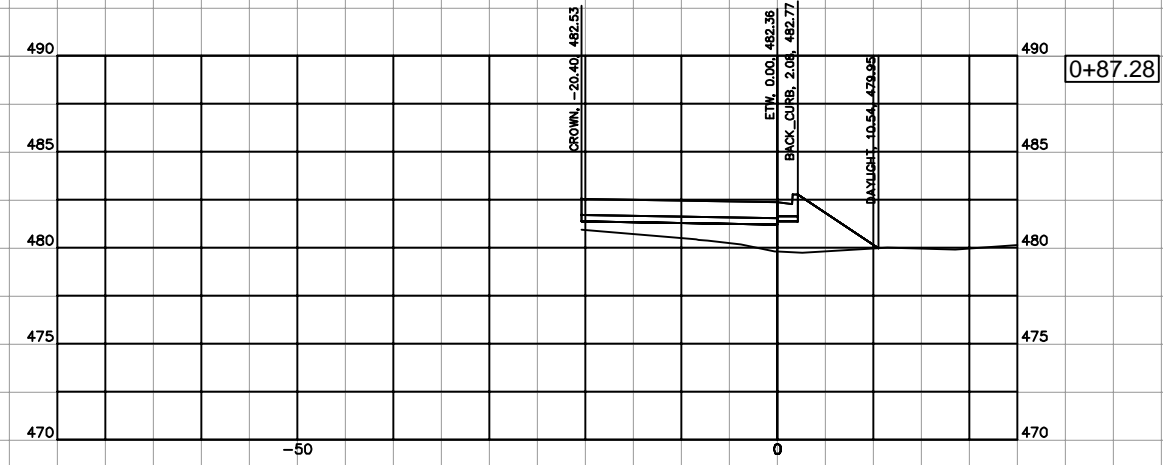
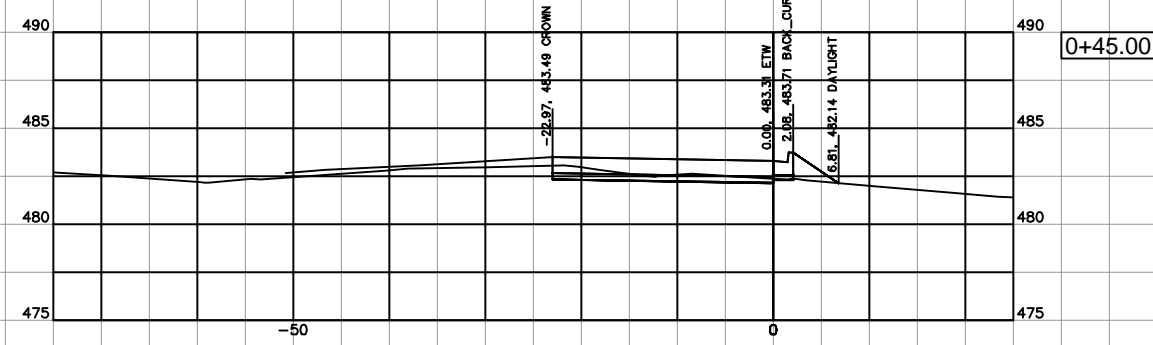
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 DRAWN - JHC
 CHECKED - RLP
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WASTENA STREET
 CITY OF BENTON, IL
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 CULVERTS & STORM SEWER INLETS
 SCALE: SHEET 5 OF 5 SHEETS STA. 37+53.18 TO STA. 38+90.00

F.A.U. R.T.E. SECTION COUNTY TOTAL SHEETS SHEET NO.
 9450 11-00064-00-FP FRANKLIN 63 51
 CONTRACT NO. 99671
 STATE JOB NO. C-99-508-17 FED. AID PROJECT 4CA(821)

RT 37 SE FIN REV
CROSS SECTIONS



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201 SOUTH DIVISION STREET, CARTERSVILLE, ILLINOIS 62019
PHONE (618) 985-6370 FAX (618) 985-4892
PROFESSIONAL DESIGN FIRM # 184-002885

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PLOT DATE =

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DRAWN - JHC
CHECKED - RLP
DATE - 03/09/20

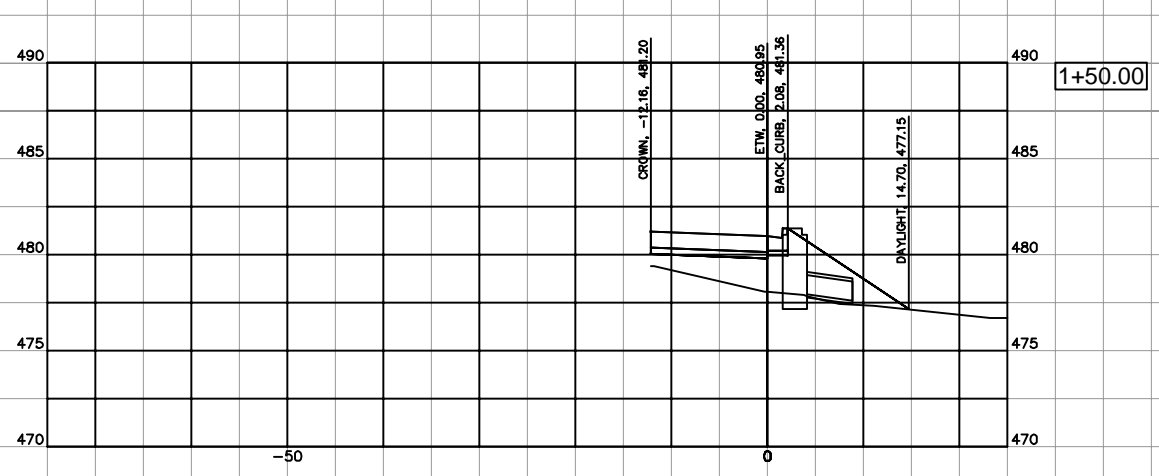
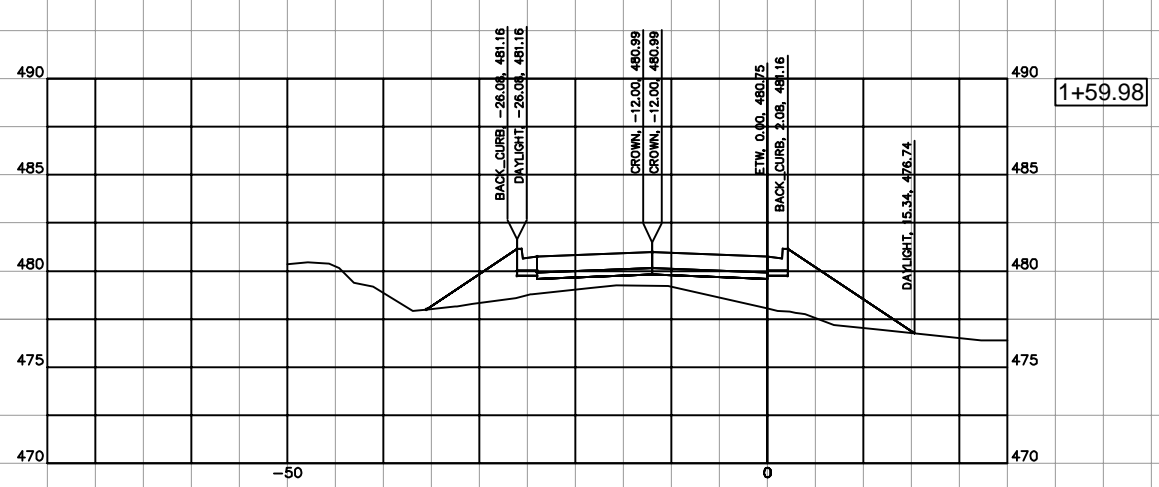
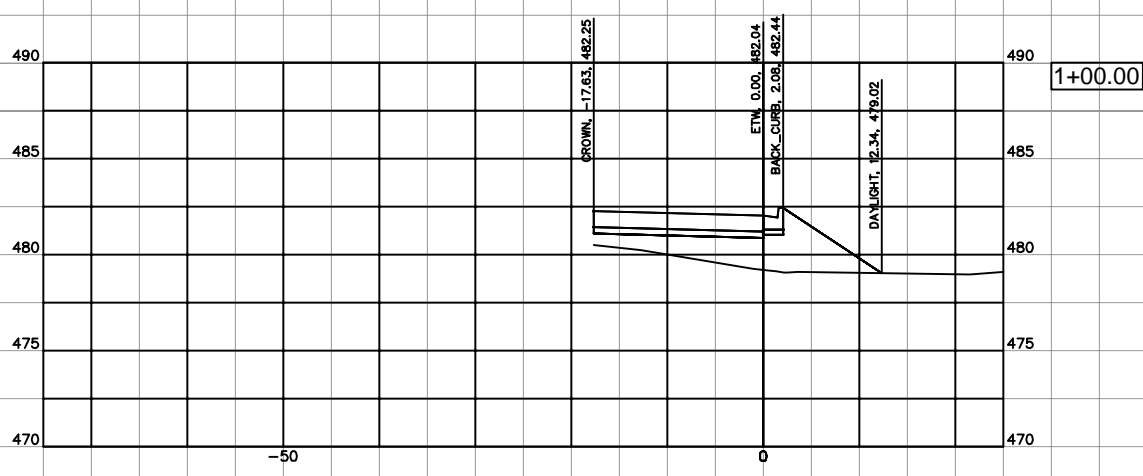
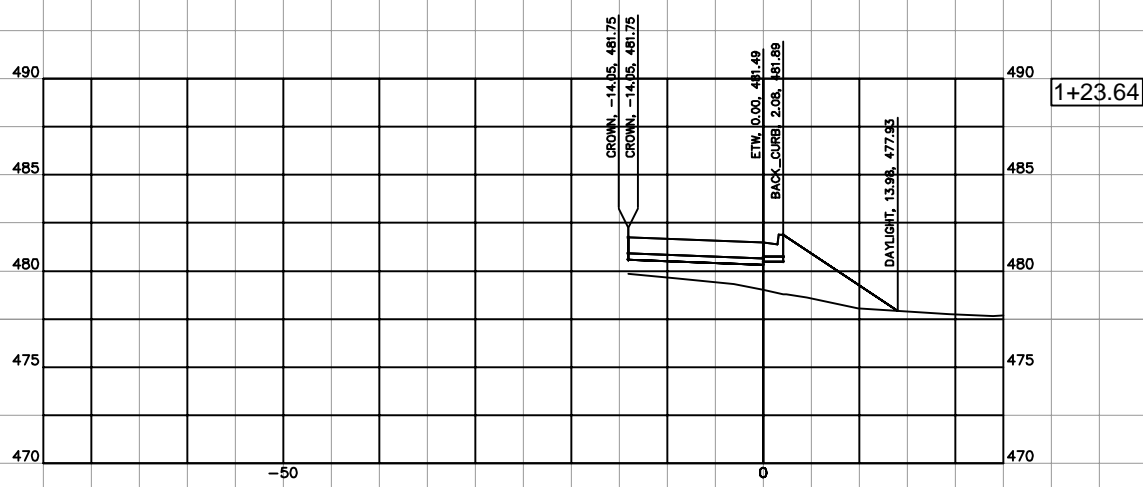
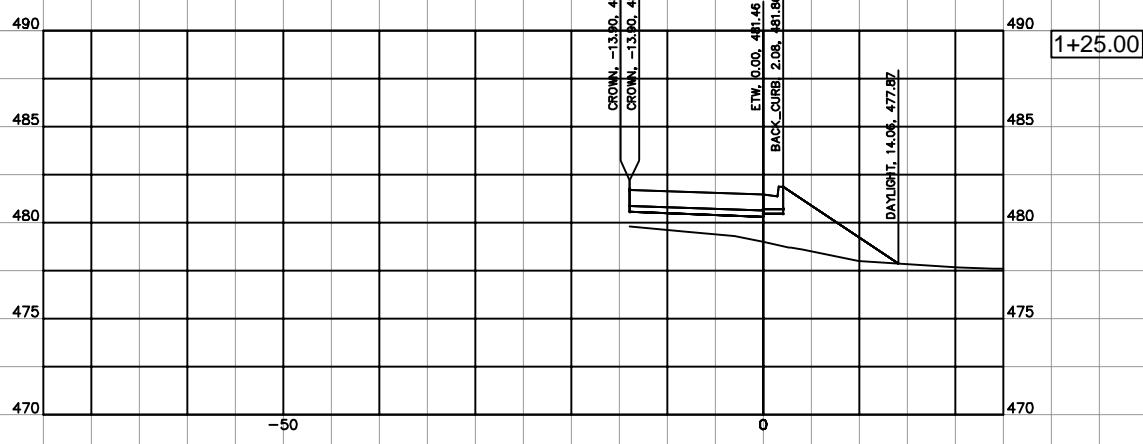
SUBMITTAL - 08/16/21
SUBMITTAL - 03/30/22
REVISED -
REVISED -

WASTENA STREET
CITY OF BENTON, IL
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ROUTE 37 RETURNS
SCALE: SHEET 1 OF 5 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9450	11-00064-00-FP	FRANKLIN	63	52
STATE JOB NO. C-99-508-17			FED. AID PROJECT 4CA(821)	

RT 37 SE FIN REV
CROSS SECTIONS



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201 SOUTH DIVISION STREET, CARTERSVILLE, ILLINOIS 62919
PHONE (618) 985-6370 FAX (618) 985-6992
PROFESSIONAL DESIGN FIRM # 184-002895

USER NAME =
PLOT SCALE =
PLOT DATE =

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DRAWN - JHC
CHECKED - RLP
DATE - 03/09/20

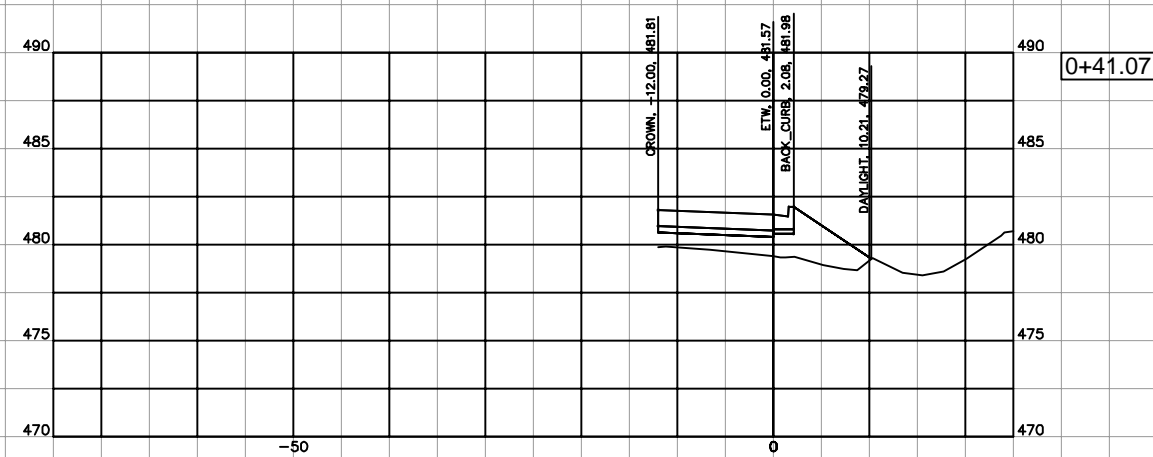
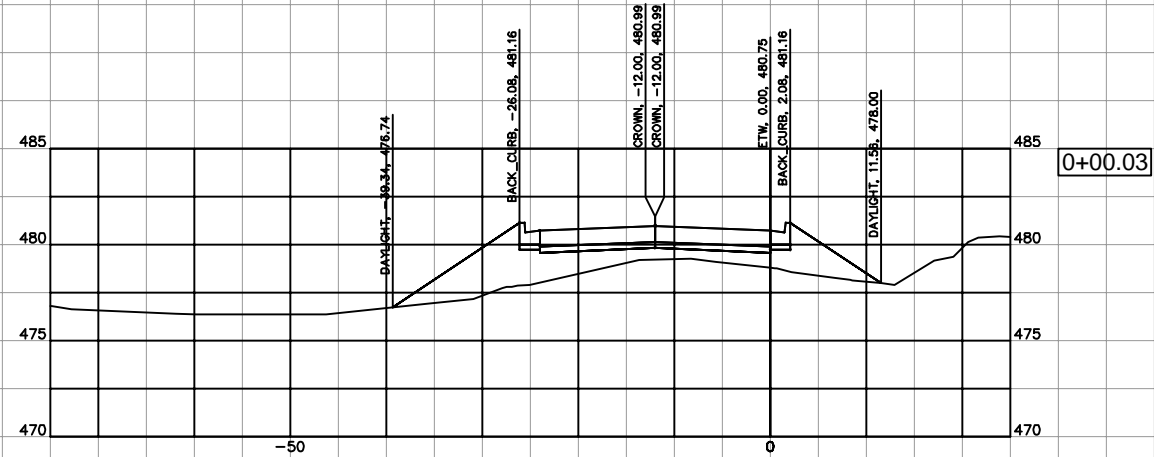
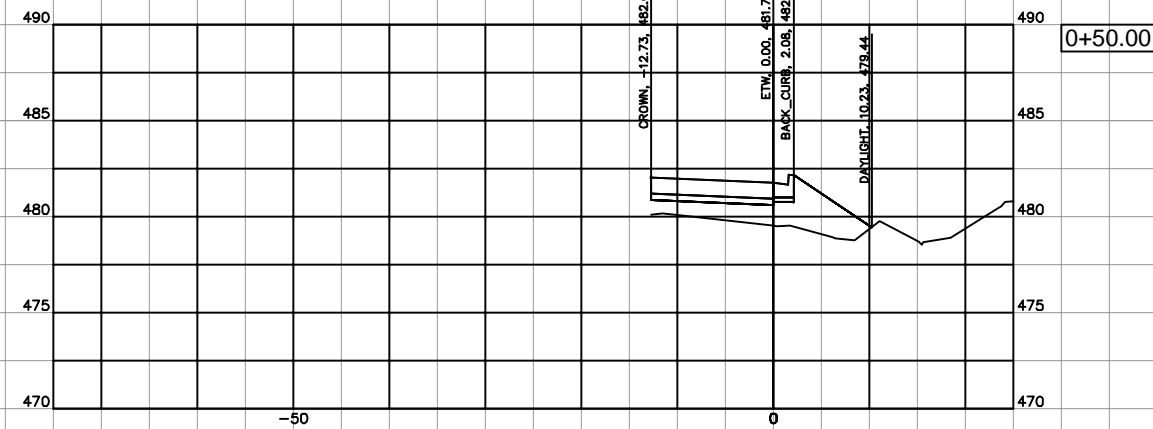
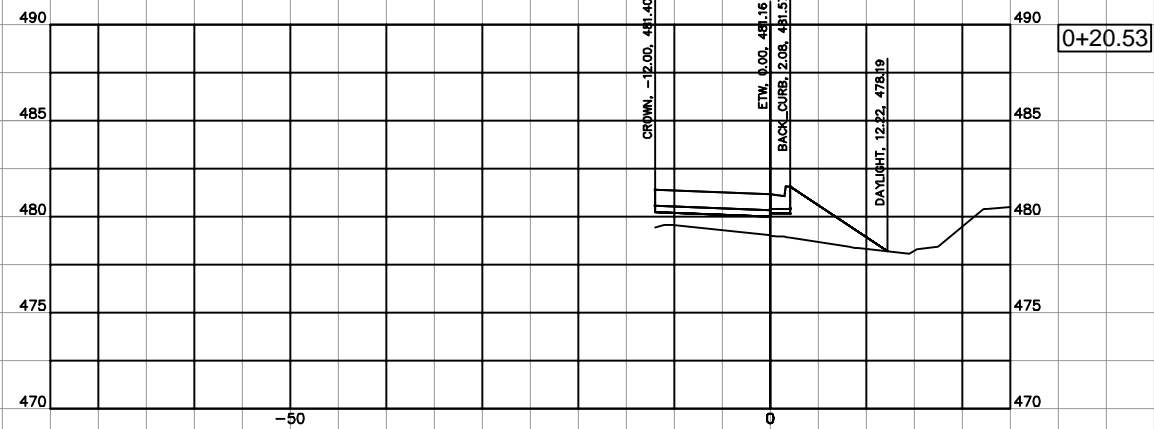
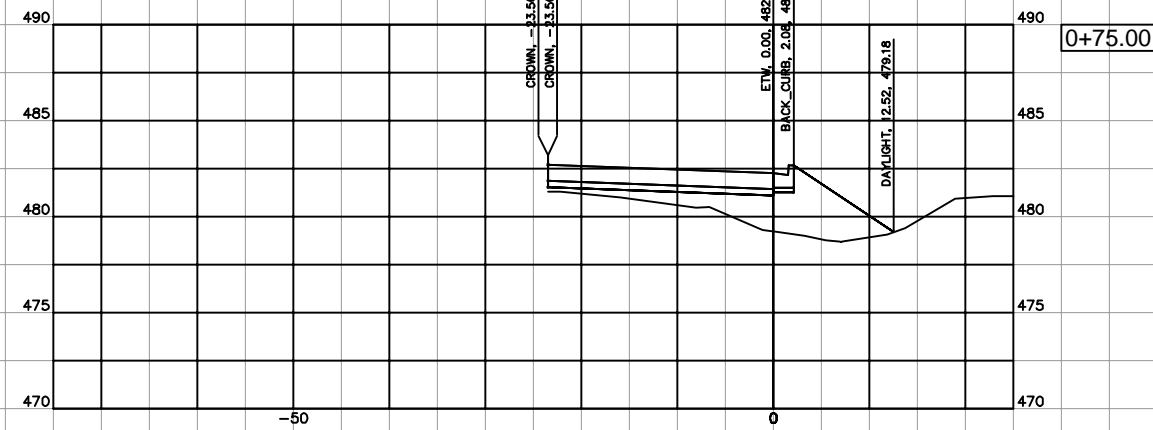
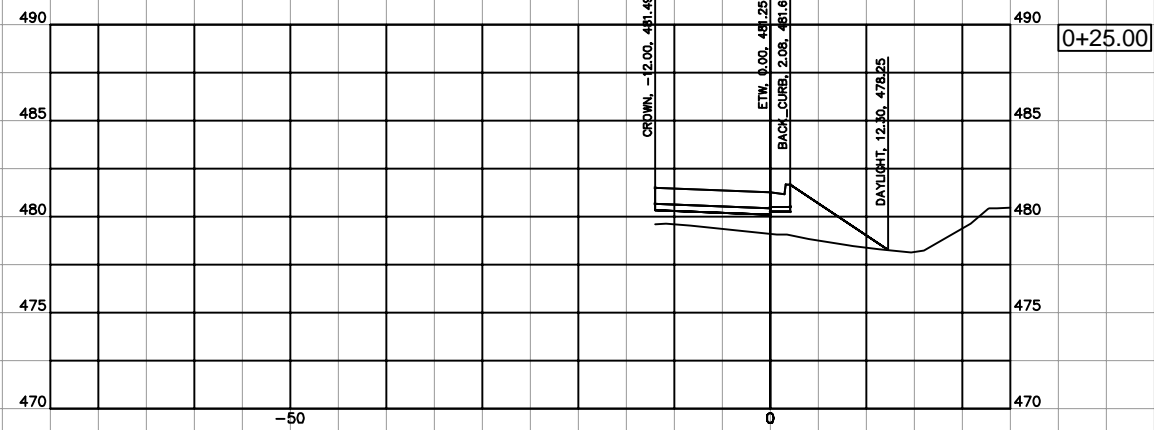
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SUBMITTAL - 03/30/22
REVISED -
REVISED -

WASTENA STREET
CITY OF BENTON, IL
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ROUTE 37 RETURNS
SCALE: SHEET 2 OF 5 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9450	11-00064-00-FP	FRANKLIN	63	53
STATE JOB NO. C-99-508-17			FED. AID PROJECT 4CAG(821)	

RT 37 NE FIN REV
CROSS SECTIONS



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CIVIL ENGINEERS, LAND SURVEYORS
201 SOUTH DIVISION STREET, CARTERSVILLE, ILLINOIS 62919
PHONE (618) 985-6370 FAX (618) 985-6932
PROFESSIONAL DESIGN FIRM # 184-002895

USER NAME =
PLOT SCALE =
PLOT DATE =

DESIGNED - JHC
DRAWN - JHC
CHECKED - RLP
DATE - 03/09/20

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REVISED -
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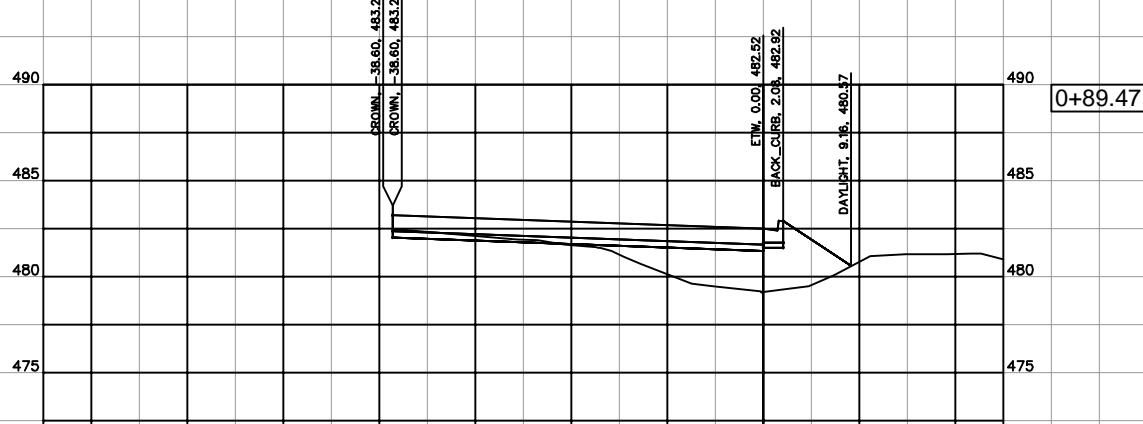
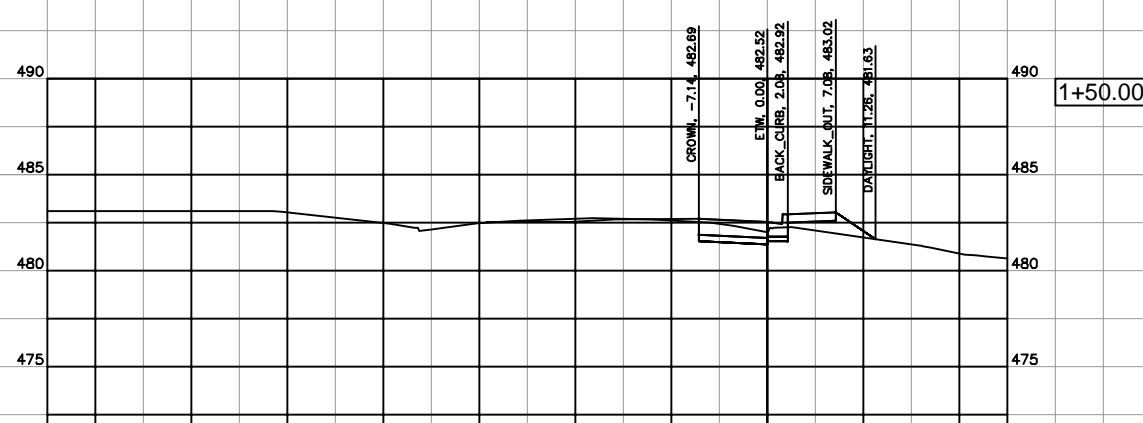
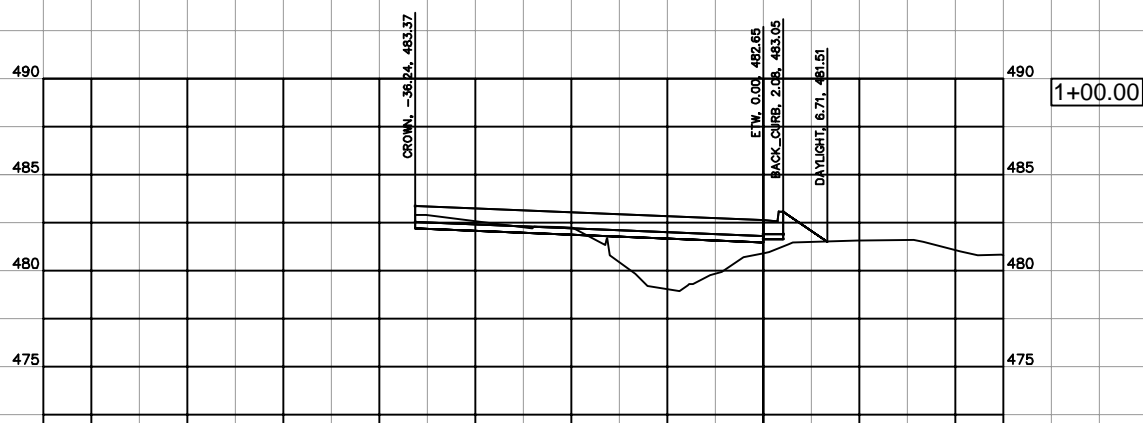
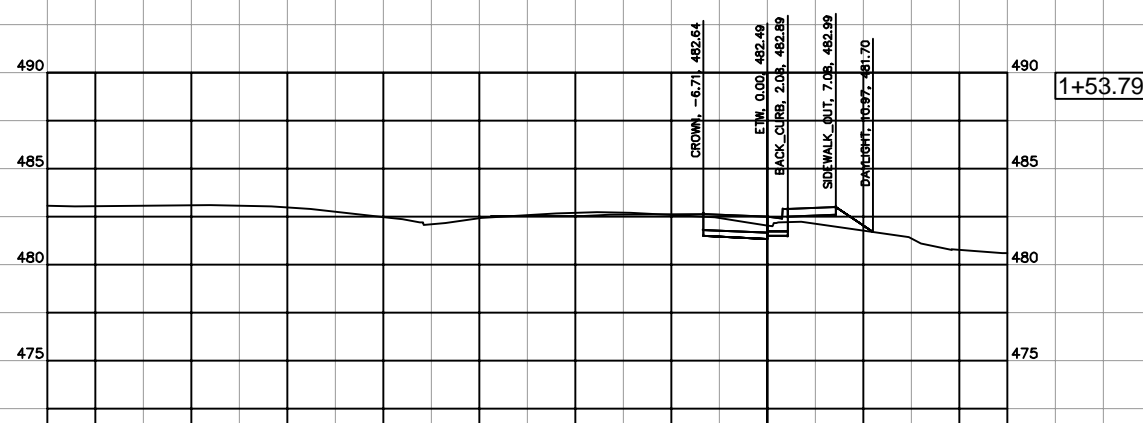
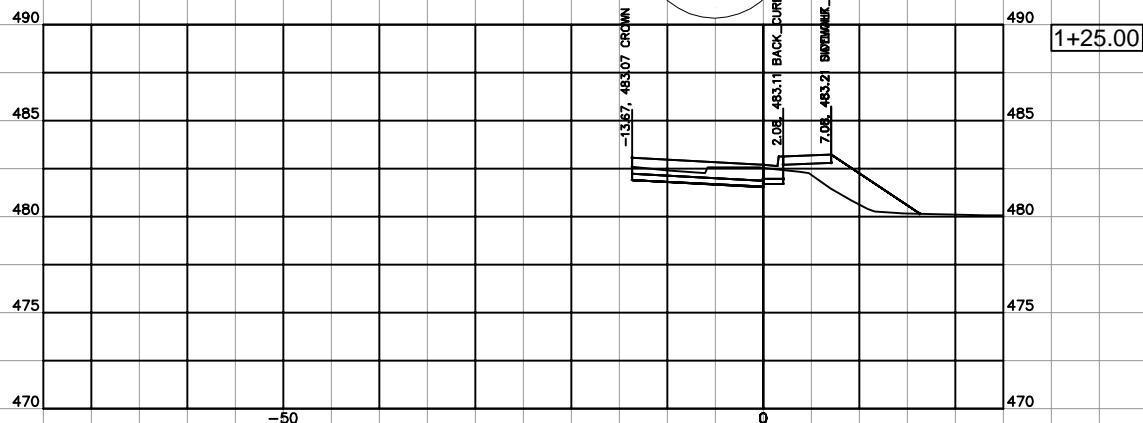
WASTENA STREET
CITY OF BENTON, IL
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ROUTE 37 RETURNS

SCALE: SHEET 3 OF 5 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9450	11-00064-00-FP	FRANKLIN	63	54
STATE JOB NO. C-99-508-17			FED. AID PROJECT 4CA(821)	

RT 37 NE FIN REV
CROSS SECTIONS



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CIVIL ENGINEERS, LAND SURVEYORS
201 SOUTH DIVISION STREET, CARTERSVILLE, ILLINOIS 62019
PHONE (618) 985-6370 FAX (618) 985-6092
PROFESSIONAL DESIGN FIRM # 184-002885

USER NAME =
PLOT SCALE =
PLOT DATE =

DESIGNED - JHC
DRAWN - JHC
CHECKED - RLP
DATE - 03/09/20

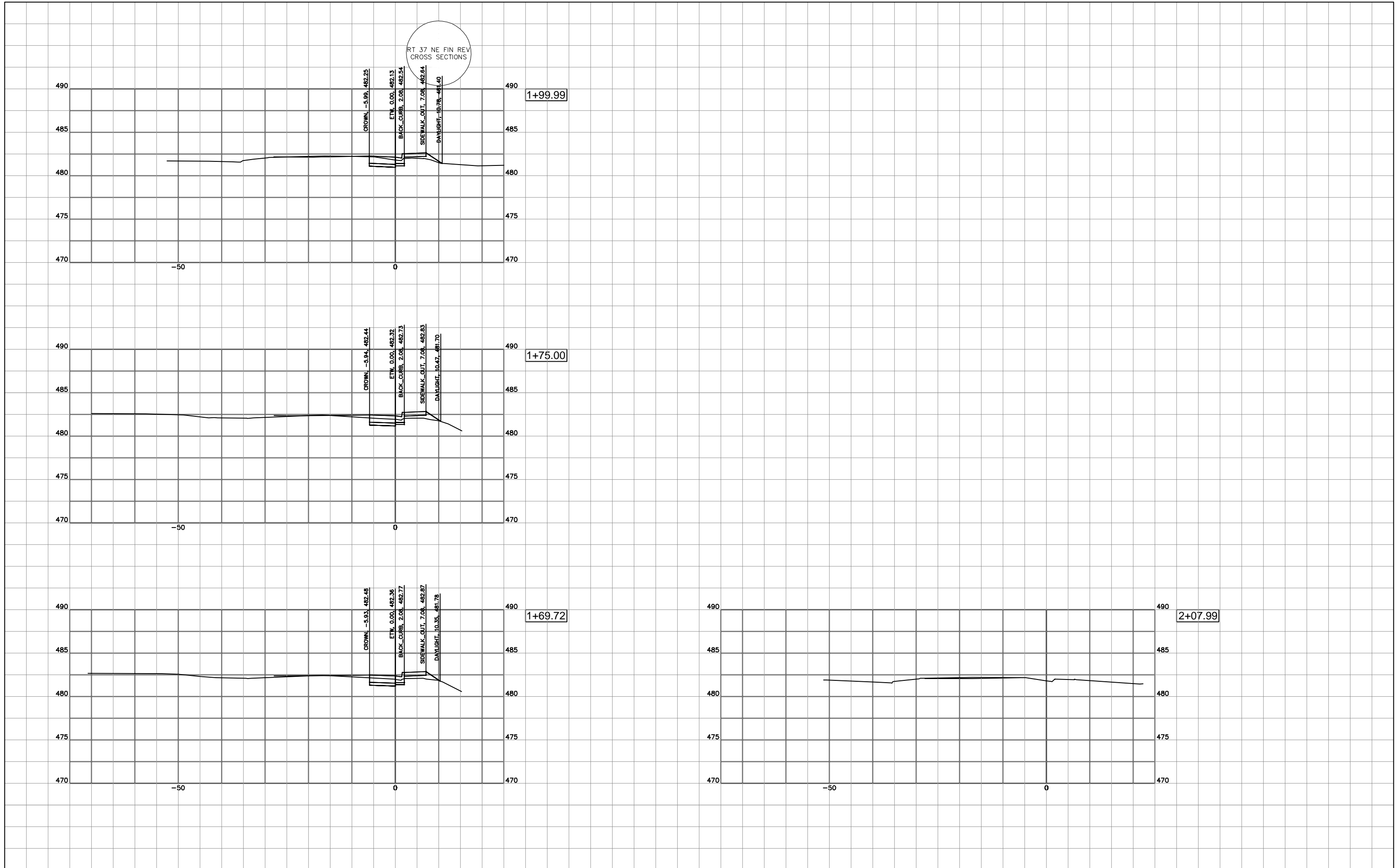
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SUBMITTAL - 03/30/22
REVISED -
REVISED -

WASTENA STREET
CITY OF BENTON, IL
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ROUTE 37 RETURNS

SCALE: SHEET 4 OF 5 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9450	11-00064-00-FP	FRANKLIN	63	55
STATE JOB NO. C-99-508-17			FED. AID PROJECT 4CAG(821)	



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 CIVIL ENGINEERS, LAND SURVEYORS
 201 SOUTH DIVISION STREET, CARTERSVILLE, ILLINOIS 62019
 PHONE (618) 385-6370 FAX (618) 385-6392
 PROFESSIONAL DESIGN FIRM # 184-002885

USER NAME =
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 CHECKED - RLP
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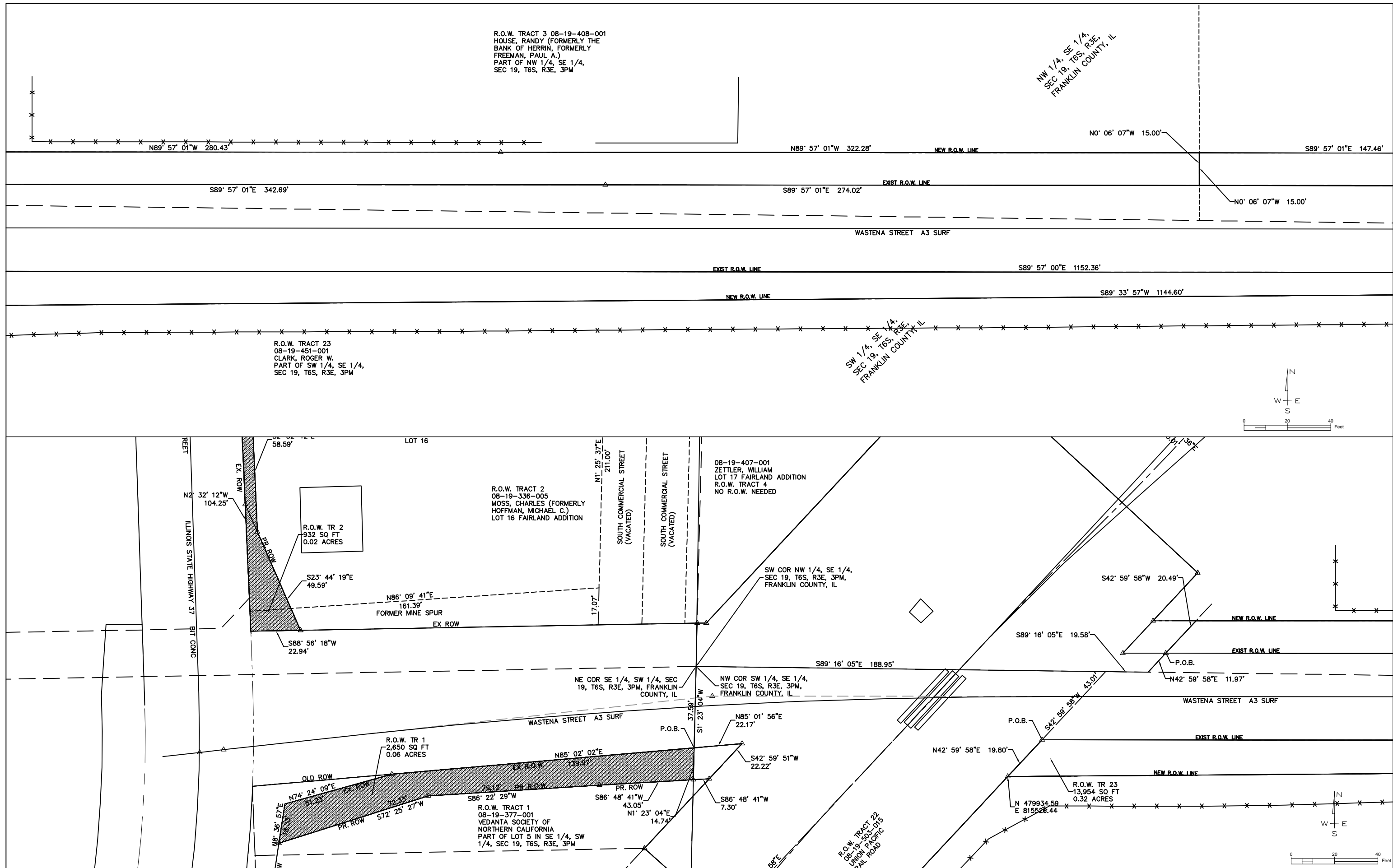
WASTENA STREET
 CITY OF BENTON, IL
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

**CROSS SECTIONS
 ROUTE 37 RETURNS**

SCALE: SHEET 5 OF 5 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9450	11-00064-00-FP	FRANKLIN	63	56
STATE JOB NO. C-99-508-17			FED. AID PROJECT 4CAG(821)	

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 CIVIL ENGINEERS, LAND SURVEYORS
 201 SOUTH DIVISION STREET, CARTERSVILLE, ILLINOIS 62919
 PHONE (618) 985-6370 FAX (618) 985-6932
 PROFESSIONAL DESIGN FIRM # 184-002895

REVISED	10/19/20	DESIGNED	JHC
REVISED	12/21/20	DRAWN	JHC
REVISED	08/02/21	CHECKED	RLP
SUBMITTAL	03/30/22	DATE	03/09/20

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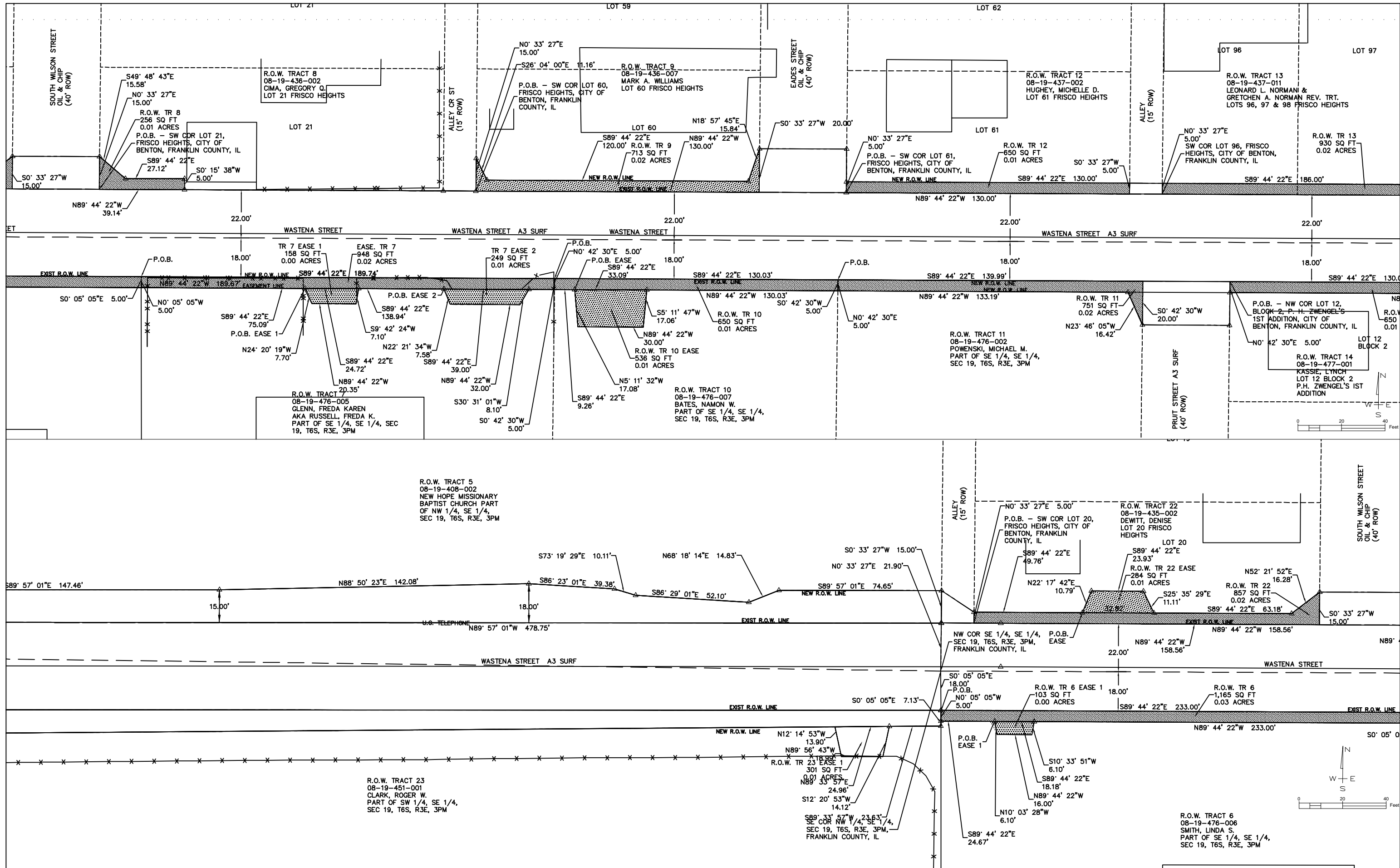
WASTENA STREET
 CITY OF BENTON, IL
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY
WASTENA STREET

SCALE: BAR SCALE SHEET 1 OF 3 SHEETS STA. 10+00.00 TO STA. 21+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9450	11-00064-00-FP	FRANKLIN	63	57
STATE JOB NO. C-99-508-17			FED. AID PROJECT 4CAG(821)	

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JOHN H. CRAWFORD & ASSOCIATES, P.C.
 CIVIL ENGINEERS, LAND SURVEYORS
 201 SOUTH DIVISION STREET, CARTERVILLE, ILLINOIS 62019
 PHONE (618) 985-6370 FAX (618) 985-6932
 PROFESSIONAL DESIGN FIRM # 184-002895

REVISED	- 12/19/20	DESIGNED	- JHC
REVISED	- 12/21/20	DRAWN	- JHC
REVISED	- 08/02/21	CHECKED	- RLP
SUBMITTAL	- 03/30/22	DATE	- 03/09/20

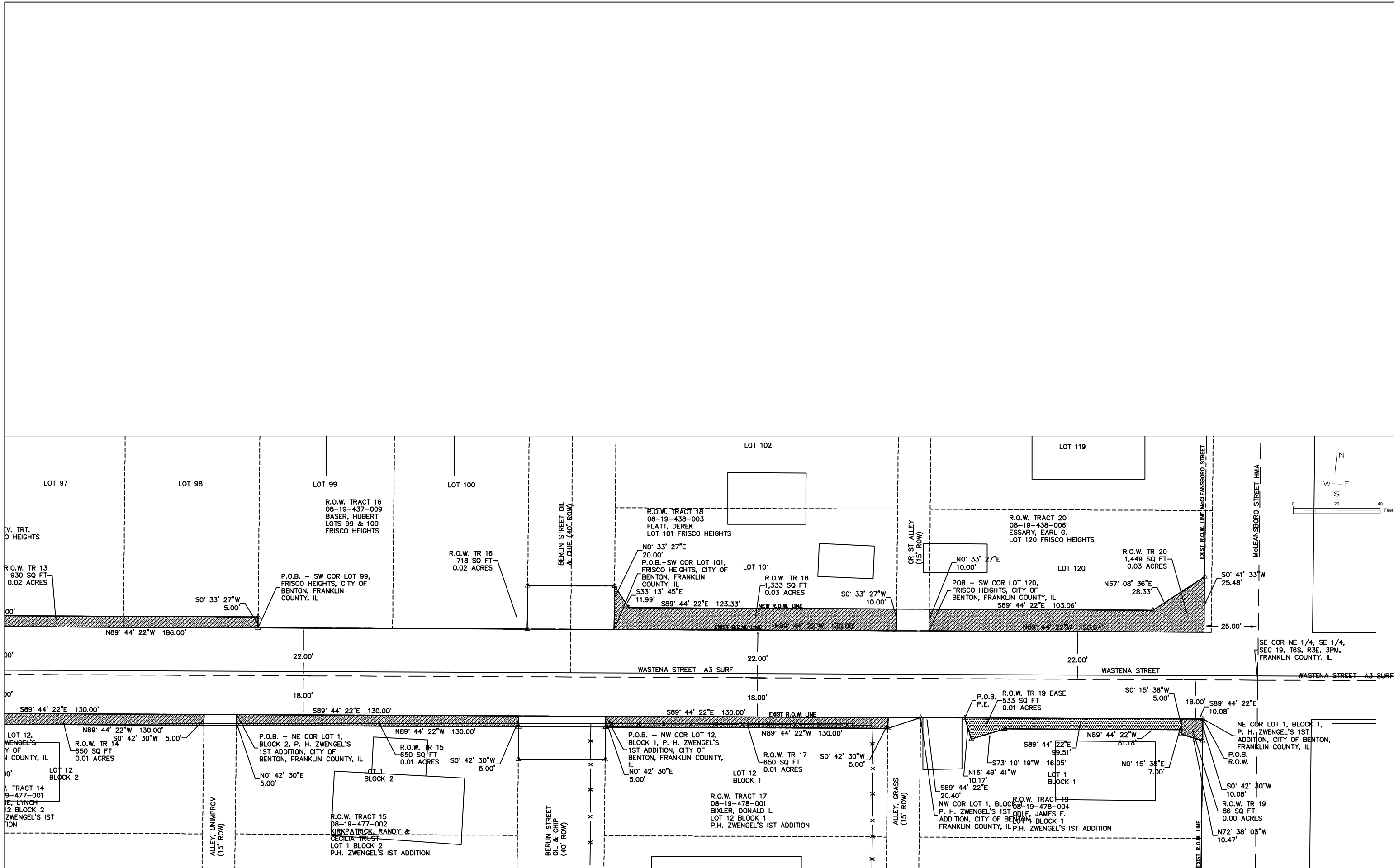
REVISED	- 08/05/22
REVISED	-
REVISED	-
REVISED	-

WASTENA STREET
 CITY OF BENTON, IL
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY
WASTENA STREET

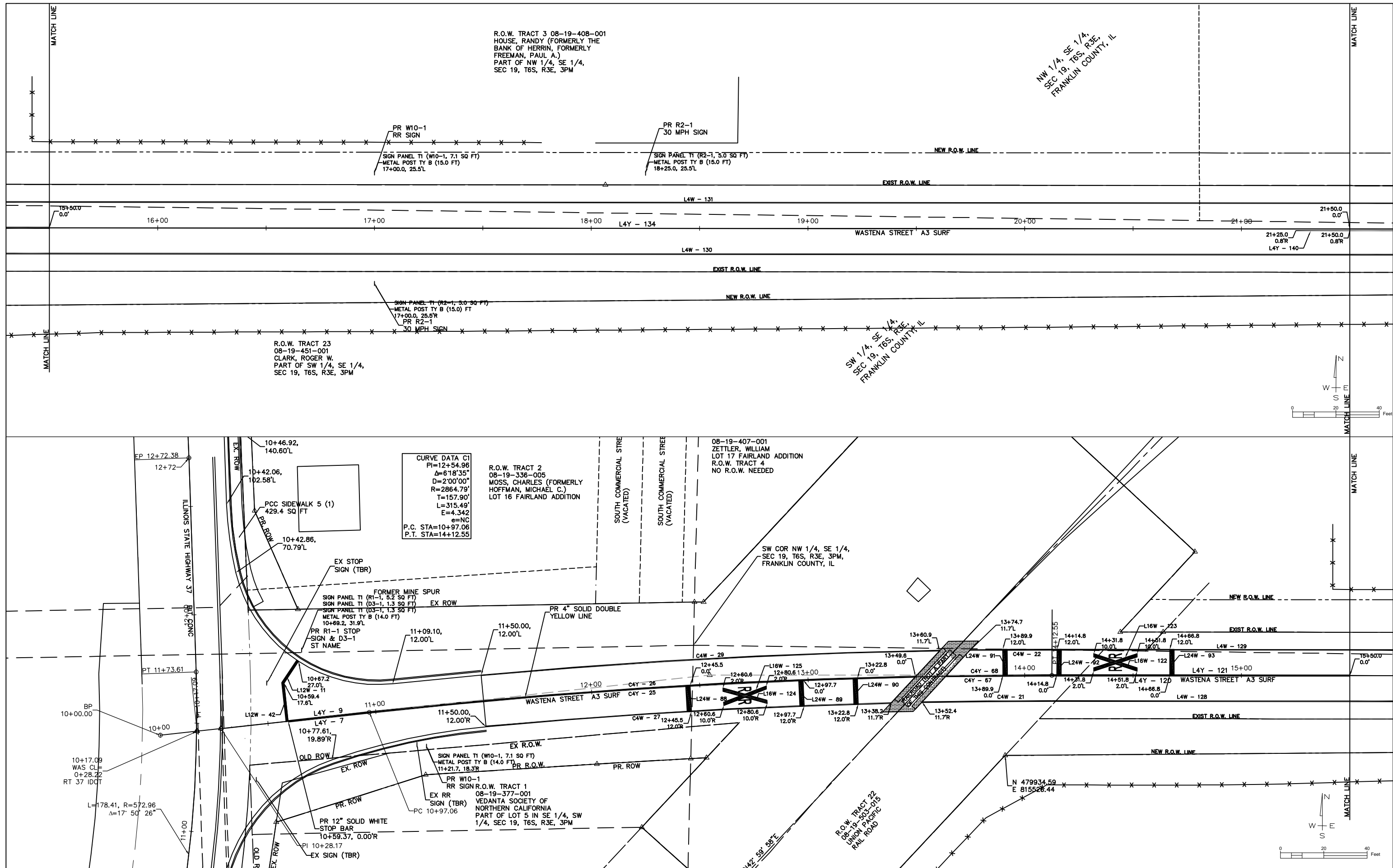
SCALE: BAR SCALE SHEET 2 OF 3 SHEETS STA. 21+50.00 TO STA. 33+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9450	11-00064-00-FP	FRANKLIN	63	58
STATE JOB NO. C-99-508-17		FED. AID PROJECT 4CA(821)		



<p>JOHN H. CRAWFORD & ASSOCIATES, P.C. CIVIL ENGINEERS, LAND SURVEYORS 201 SOUTH DIVISION STREET, CARTERSVILLE, ILLINOIS 62019 PHONE (618) 985-6370 FAX (618) 985-6032 PROFESSIONAL DESIGN FIRM # 184-022895</p>	USER NAME =	DESIGNED - JHC	REVISED - 12/19/20	<p>WASTENA STREET CITY OF BENTON, IL STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p>	<p>RIGHT OF WAY WASTENA STREET</p>		F.A.U. RTE. =	SECTION =	COUNTY =	TOTAL SHEETS =	SHEET NO. =
	PLOT SCALE =	DRAWN - JHC	REVISED - 08/02/21				9450	11-00064-00-FP	FRANKLIN	63	59
	PLOT DATE =	CHECKED - RLP	SUBMITTAL - 03/30/22				CONTRACT NO. 99671				
	DATE - 03/09/20	REVISOR -	REVISION - 08/05/22				STATE JOB NO. C-99-508-17 FED. AID PROJECT 4CAG(821)				
SCALE: BAR SCALE					SHEET 3 OF 3 SHEETS		STA. 33+50.00 TO STA. 39+00.00				

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CURVE DATA C1

PI=12+54.96
Δ=6°18'35"
D=2'00'00"
R=2864.79'
T=157.90'
L=315.49'
E=4.342
e=NC
P.C. STA=10+97.06
P.T. STA=14+12.55

JOHN H. CRAWFORD & ASSOCIATES, P.C.
 CIVIL ENGINEERS, LAND SURVEYORS
 201 SOUTH DIVISION STREET, CARTERSVILLE, ILLINOIS 62919
 PHONE (618) 985-6370 FAX (618) 985-6392
 PROFESSIONAL DESIGN FIRM # 184-002895

DESIGNED - JHC
 DRAWN - JHC
 CHECKED - RLP
 DATE - 03/09/20

SUBMITTAL - 08/16/21
 SUBMITTAL - 03/30/22
 REVISED -
 REVISED -

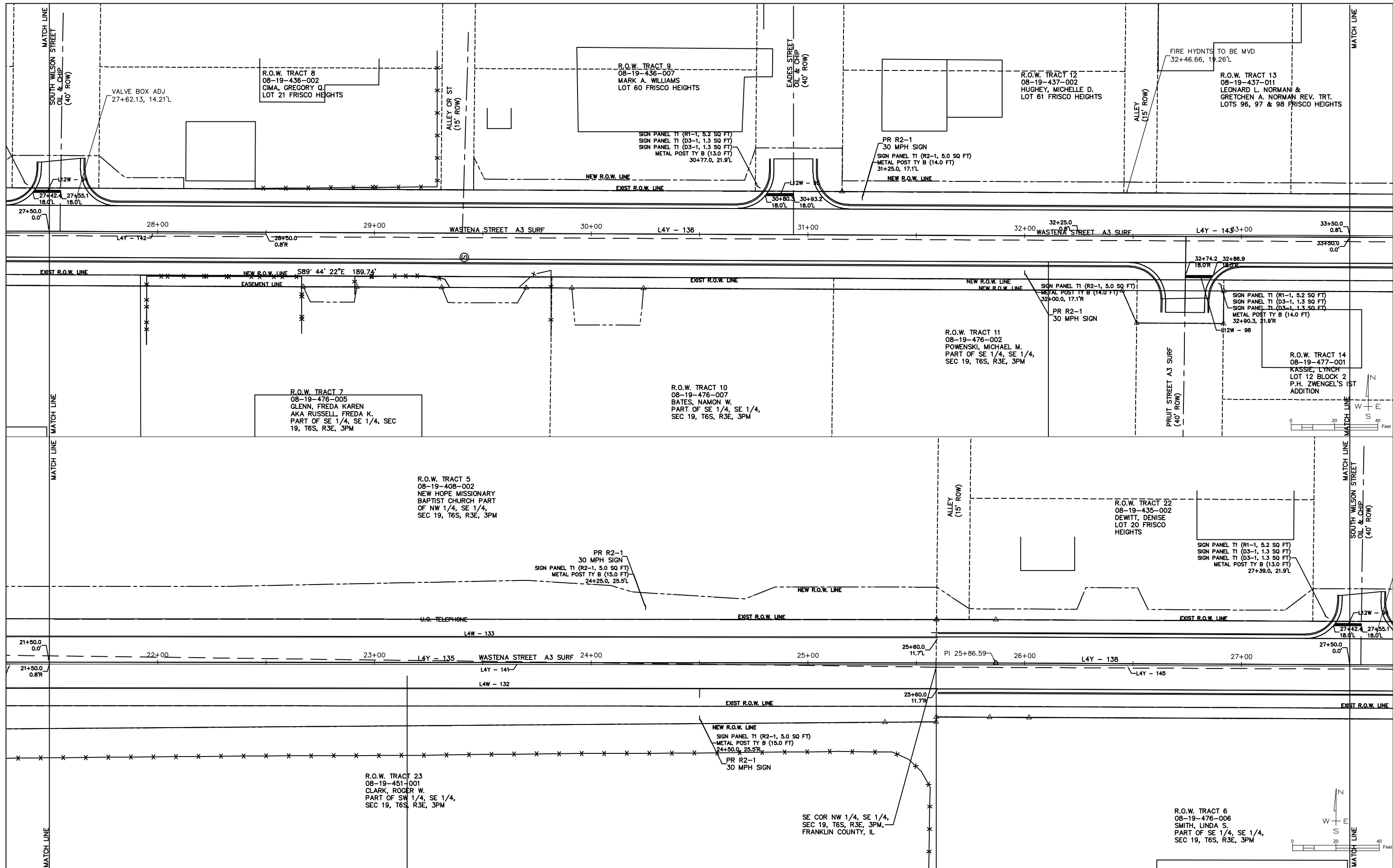
WASTENA STREET
 CITY OF BENTON, IL
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING & SIGNAGE
WASTENA STREET

SCALE: BAR SCALE SHEET 1 OF 3 SHEETS STA. 10+00.00 TO STA. 21+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9450	11-00064-00-FP	FRANKLIN	63	60
CONTRACT NO. 99671				
STATE JOB NO. C-99-508-17 FED. AID PROJECT 4CAG(821)				

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JOHN H. CRAWFORD & ASSOCIATES, P.C.
 CIVIL ENGINEERS, LAND SURVEYORS
 201 SOUTH DIVISION STREET, CARTERSVILLE, ILLINOIS 62919
 PHONE (618) 985-6370 FAX (618) 985-6392
 PROFESSIONAL DESIGN FIRM # 184-002885

USER NAME =	DESIGNED - JHC	SUBMITTAL - 08/16/21
PLOT SCALE =	DRAWN - JHC	SUBMITTAL - 03/30/22
PLOT DATE =	CHECKED - RLP	REVISED -
	DATE - 03/09/20	REVISED -

WASTENA STREET
 CITY OF BENTON, IL
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PAVEMENT MAKING & SIGNAGE
WASTENA STREET

SCALE: BAR SCALE SHEET 2 OF 3 SHEETS STA. 21+50.00 TO STA. 33+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9450	11-00064-00-FP	FRANKLIN	63	61
STATE JOB NO. C-99-508-17			FED. AID PROJECT 4CA(821)	

SIGN PANEL T1 METAL POST TYPE B	STA	OFFSET	R1-1 STOP	D3-1 STREET	W10-1 RAILROAD	R2-1 SPEED	POST FOOT
FINCL	10+69.2	31.9L	5.2	1.3			14.0
				1.3			
	11+21.7	18.3R			7.1		14.0
	17+00.0	25.5L			7.1		15.0
	17+00.0	25.5R				5.0	15.0
	18+25.0	25.5L				5.0	15.0
	24+25.0	25.5L				5.0	15.0
	24+50.0	25.5R				5.0	15.0
	27+39.0	21.9L	5.2	1.3			13.0
				1.3			
	30+77.0	21.9L	5.2	1.3			13.0
				1.3			
	31+25.0	17.1L				5.0	14.0
	32+00.0	17.1R				5.0	14.0
	32+90.3	21.9R	5.2	1.3			14.0
				1.3			
	35+71.3	21.9L	5.2	1.3			13.0
				1.3			
	36+02.6	21.9R	5.2	1.3			14.0
				1.3			
	36+00.0	17.1L				5.0	14.0
	38+78.1	21.9R	5.2	1.3			14.0
				1.3			
TOTAL			36.4	18.2	14.2	35.0	226.0

PAINT PVT MK LINE 4 (WHITE)	
LINE NO. OR CURVE NO.	LENGTH
C4W - 27	187.4
C4W - 29	211.7
C4W - 21	59.9
L4W - 128	137.5
C4W - 22	38.0
L4W - 129	137.5
L4W - 130	600.0
L4W - 131	600.0
L4W - 132	410.0
L4W - 133	410.0
TOTAL	2898.6

PAINT PVT MK LINE 4 (YELLOW)	
LINE NO. OR CURVE NO.	LENGTH
C4Y - 66	252.9
L4Y - 9	37.7
C4Y - 65	252.2
L4Y - 7	37.7
C4Y - 68	48.9
L4Y - 121	137.5
C4Y - 67	48.9
L4Y - 120	137.5
L4Y - 135	436.6
L4Y - 138	163.4
L4Y - 134	600.0
L4Y - 136	600.0
L4Y - 137	544.1
L4Y - 140	25.0
L4Y - 141	436.6
L4Y - 142	100.0
L4Y - 143	125.0
L4Y - 144	544.1
TOTAL	4752.2

PAINT PVT MK LINE 16 (WHITE)	
LINE NO. OR CURVE NO.	LENGTH
L16W - 124	21.1
L16W - 125	21.1
L16W - 123	21.1
L16W - 122	21.0
TOTAL	84.3

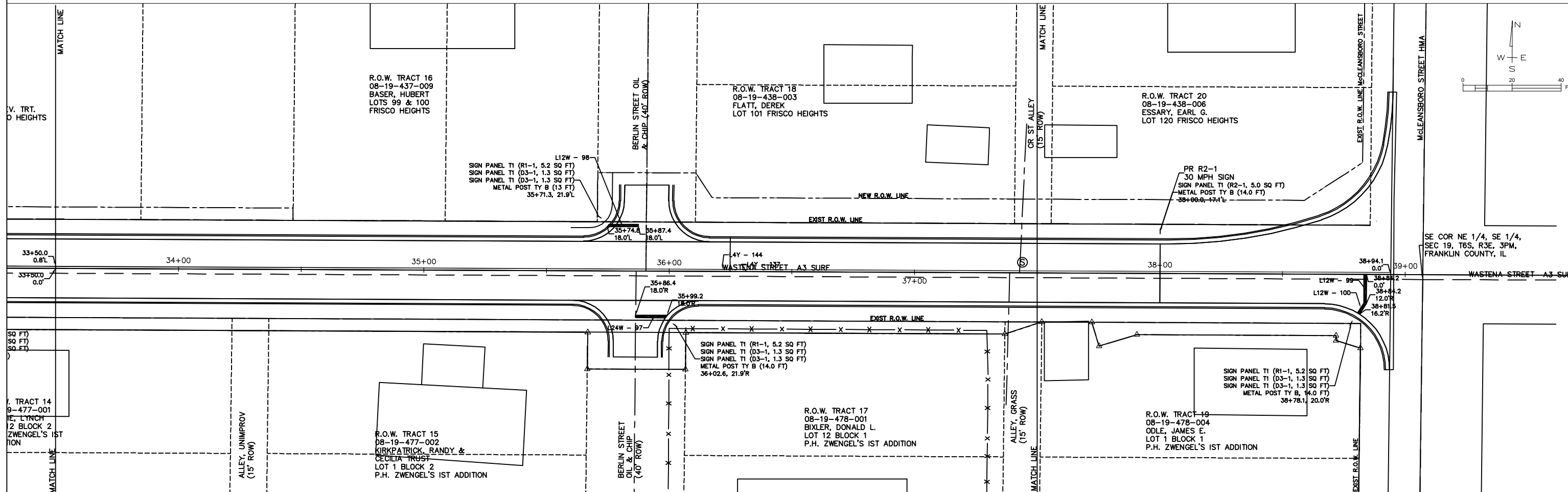
PAINT PVT MK LINE 24 (WHITE)	
LINE NO. OR CURVE NO.	LENGTH
L24W - 90	12.0
L24W - 88	12.0
L24W - 89	12.0
L24W - 91	12.0
L24W - 93	12.0
L24W - 92	12.0
TOTAL	188.4

PT PVT MK LTRS SYM	STA	O/S	PAINT SQ FT
WASCL	10+62.0	6.0L	14.7
	10+65.1	21.2L	15.8
	38+68.0	6.0L	14.7
	38+86.0	27.7L	15.8
TOTAL			61.0

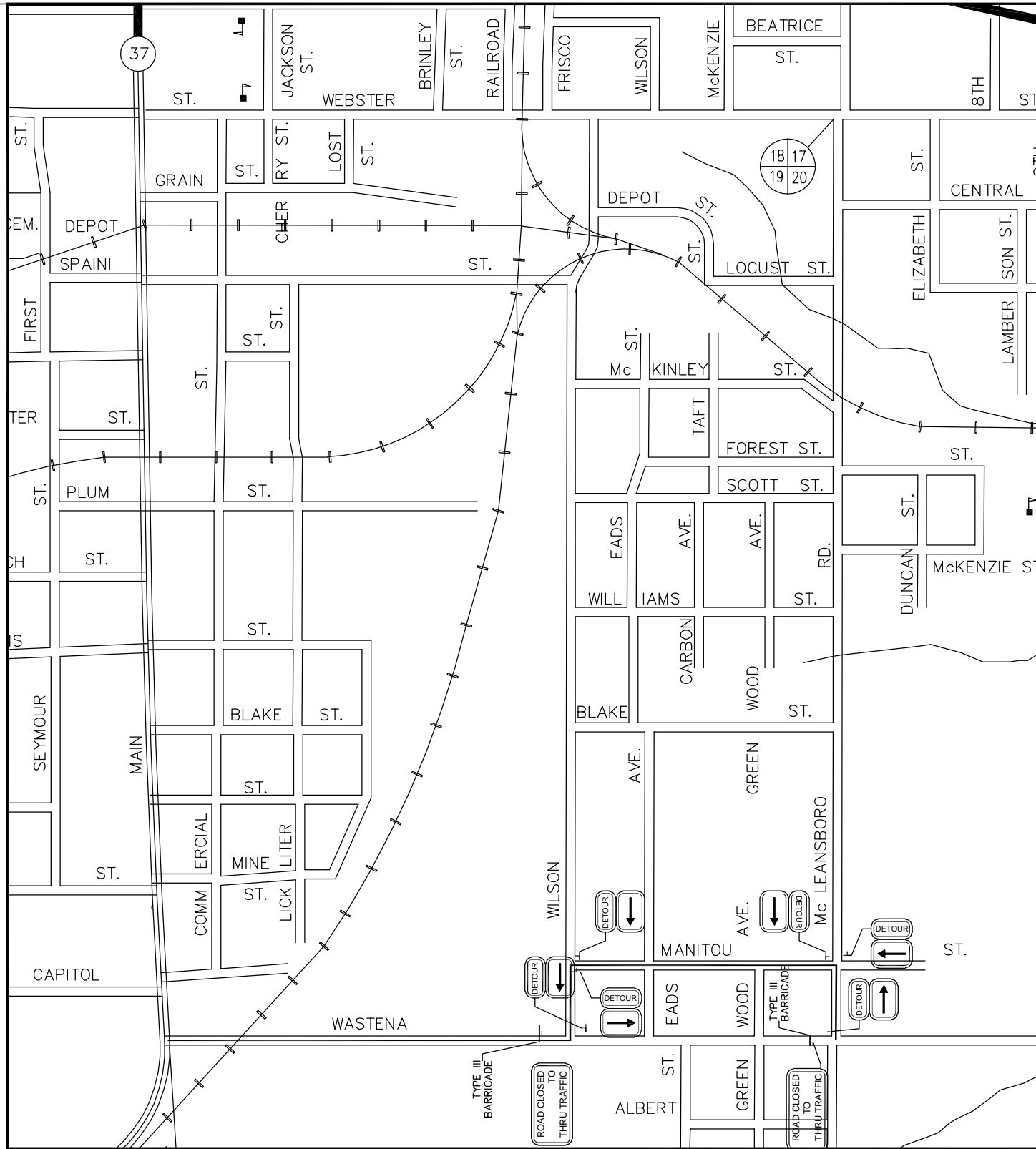
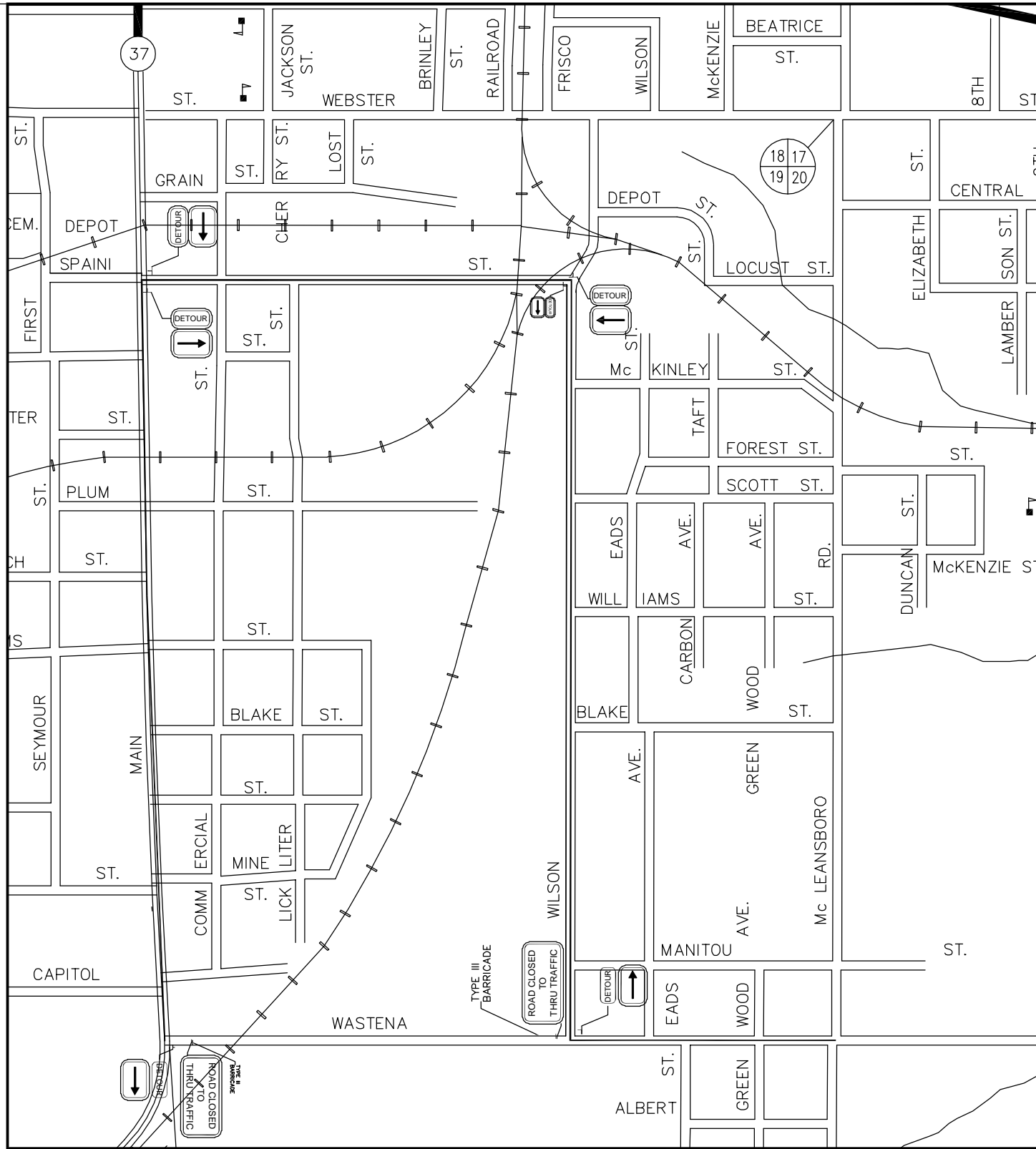
PAINT PVT MK LINE 12 (WHITE)	
LINE NO. OR CURVE NO.	LENGTH
L12W - 11	12.3
L12W - 42	17.8
L12W - 100	4.7
L12W - 99	11.7
L12W - 98	12.6
L24W - 97	12.8
L12W - 96	12.7
L12W - 95	12.9
L12W - 94	12.7
TOTAL	110.2

SHORT TERM PAVEMENT MARKING	
DESCRIPTION	LENGTH
AFTER HMA BINDER	
10+28.2 TO 13+49.6	321.4
13+59.6 TO 36+94.1	2334.5
AFTER HMA SURFACE	
10+28.2 TO 13+49.6	321.4
13+59.6 TO 36+94.1	2334.5
TOTAL	5311.8

SHORT TERM PAVEMENT MARKING REMOVAL	
DESCRIPTION	LENGTH
AFTER HMA BINDER	
10+28.2 TO 13+49.6	9.6
13+59.6 TO 36+94.1	70.0
AFTER HMA SURFACE	
10+28.2 TO 13+49.6	9.6
13+59.6 TO 36+94.1	70.0
TOTAL	159.2

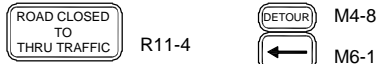


<p>JOHN H. CRAWFORD & ASSOCIATES, P.C. CIVIL ENGINEERS, LAND SURVEYORS 201 SOUTH DIVISION STREET, CARTERVILLE, ILLINOIS 62919 PHONE (618) 985-6370 FAX (618) 985-6292 PROFESSIONAL DESIGN FIRM # 184-002895</p>	USER NAME =	DESIGNED - JHC	SUBMITTAL - 08/16/21	<p>WASTENA STREET CITY OF BENTON, IL STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p>	<p>PAVEMENT MARKING & SIGNAGE WASTENA STREET</p>	F.A.U. RTE. = 9450	SECTION = 11-00064-00-FP	COUNTY = FRANKLIN	TOTAL SHEETS = 63	SHEET NO. = 62
	PLOT SCALE =	CHECKED - RLP	REVISSED -			SCALE: BAR SCALE	SHEET 3 OF 3 SHEETS	STATE JOB NO. C-99-508-17	FED. AID PROJECT 4CA(821)	
	PLOT DATE =	DATE - 03/09/20	REVISSED -			STA. 33+50.00 TO STA. 39+00.00				



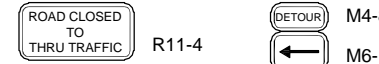
NOTES

1. THIS TRAFFIC CONTROL PLAN SHALL BE USED DURING CONSTRUCTION WORK ON THE WEST PART OF THE PROJECT.
2. THE CONTRACTOR SHALL MAINTAIN ACCESS FOR LOCAL RESIDENTS AND COMMERCIAL LOCATIONS.
3. WHEN POSSIBLE ROAD SHALL BE OPEN NIGHTS AND WEEKENDS.



NOTES

1. THIS TRAFFIC CONTROL PLAN SHALL BE USED DURING CONSTRUCTION WORK ON THE EAST PART OF THE PROJECT.
2. THE CONTRACTOR SHALL MAINTAIN ACCESS FOR LOCAL RESIDENTS AND COMMERCIAL LOCATIONS.
3. WHEN POSSIBLE ROAD SHALL BE OPEN NIGHTS AND WEEKENDS.



JOHN H. CRAWFORD & ASSOCIATES, P.C.
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 201 SOUTH DIVISION STREET, CARTERSVILLE, ILLINOIS 62918
 PHONE (618) 985-6370 FAX (618) 985-4852
 PROFESSIONAL DESIGN FIRM # 184-002885

USER NAME =	DESIGNED - JHC	SUBMITTAL - 08/16/21
PLOT SCALE =	DRAWN - JHC	SUBMITTAL - 03/30/22
PLOT DATE =	CHECKED - RLP	REVISED -
	DATE - 03/09/20	REVISED -

WASTENA STREET
CITY OF BENTON, IL
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL WASTENA STREET
 SCALE: BAR SCALE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9450	11-00064-00-FP	FRANKLIN	63	63
CONTRACT NO. 99671				
STATE JOB NO. C-99-508-17		FED. AID PROJECT 4CA(821)		