

03/11/2022 Letting Item 123

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
**PLANS FOR PROPOSED
BRIDGE REHABILITATION
STP – BRIDGE**

**MS 1920 (CHURCHILL RD.) OVER JACKSONVILLE BRANCH
CITY OF SPRINGFIELD
SECTION 19-00487-00-BR
PROJECT SXSU(386)
SANGAMON COUNTY**

C-96-098-21

INDEX OF SHEETS

- 1 COVER SHEET
- 2 GENERAL NOTES AND COMMITMENTS
- 3 ALIGNMENT, TIES, BENCHMARKS AND ENTRANCE DETAILS
- 4-7 SUMMARY OF QUANTITIES
- 8-9 TYPICAL SECTIONS
- 10-11 SCHEDULE OF QUANTITIES
- 12 REMOVAL PLAN
- 13 PLAN & PROFILE
- 14 EROSION CONTROL AND GRADING PLAN
- 15-42 STRUCTURE PLANS
- 43-60 CROSS SECTIONS

STANDARDS (IN PROPOSAL)

- 000001-08 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001001-02 AREAS OF REINFORCEMENT BARS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 280001-07 TEMPORARY EROSION CONTROL SYSTEMS
- 420406 PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB
- 515001-04 NAME PLATE FOR BRIDGES
- 542301-03 PRECAST REINFORCED CONCRETE FLARED END SECTION
- 602306-03 INLET, TYPE B
- 604006-05 FRAME AND GRATE, TYPE 3
- 606001-08 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
- 701801-06 SIDEWALK, CORNER OR CROSSWALK CLOSURE
- 701901-08 TRAFFIC CONTROL DEVICES
- 725001-01 OBJECT AND TERMINAL MARKERS
- BLR 21-9 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS

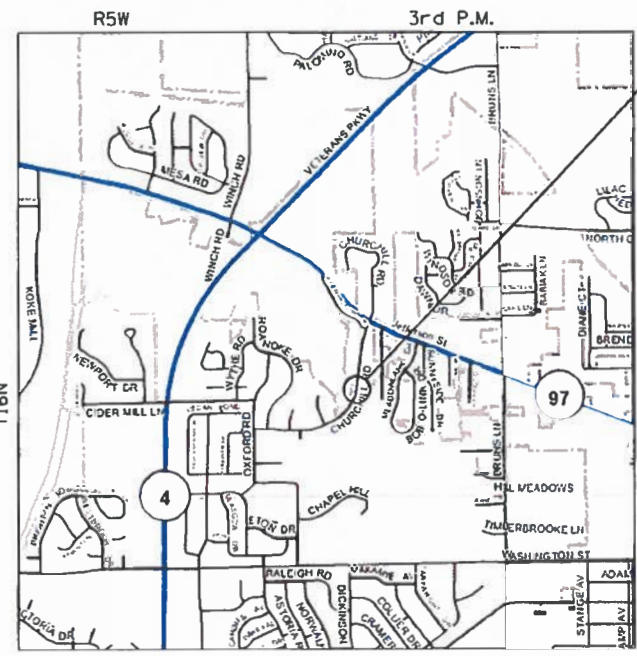
UTILITY COMPANIES:

AT&T (DISTRIBUTION)
G11629@ATT.COM

COMCAST
SPRINGFIELD, IL
PHONE: (224)-229-5862
CONTACT: MARTHA GIERAS

SANGAMON CO WTR RECLAMATION
SPRING CREEK PLANT
3000 N. EIGHTH STREET
SPRINGFIELD, IL 62707
PHONE: (217)-528-0491
CONTACT: JASON JACOBS

SPRINGFIELD CWLP
3100 STEVENSON DRIVE
SPRINGFIELD, IL 62703
PHONE: (217)-789-2323 EXT. 1610
CONTACT: JOSH STEWART



PROPOSED SECTION 19-00487-00-BR BEGINS STA. 17 + 25.00 ENDS STA. 19 + 75.00 EXIST. SN 084-6000

LOCATION MAP

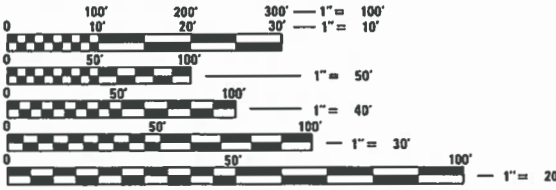
TOTAL LENGTH = 250.00 FEET (0.048 MI)
NET LENGTH = 250.00 FEET (0.048 MI)

THE WORK CONSISTS OF REMOVAL AND REPLACEMENT THE EXISTING SUPERSTRUCTURE (S.N. 084-6000) AT STA. 18+50.00 WITH A CONTINUOUS THREE-SPAN REINFORCED CONCRETE SLAB AND PRECAST BRIDGE APPROACHES ON A 30° SKEW, VARIABLE WIDTH TRANSITION APPROACHES WITH CONCRETE CURB AND GUTTER, PCC SIDEWALKS, AND OTHER COLLATERAL WORK.



LOCATION OF SECTION INDICATED THUS: —█—

FUNCTIONAL CLASSIFICATION - LOCAL
ADT = 1450 (2012)
DESIGN SPEED = 30 MPH



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

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

PROJECT MANAGER: SCOTT D. SANFORD, P.E., S.E.
PROJECT ENGINEER: RICHARD K. ALLENDER III, P.E.
CONTRACT NO. 93777



Signature of Mark R. Leighton, dated 10-28-21.

APPROVED November 23, 20 21
Math Ballou
CITY ENGINEER

PASSED January 4, 20 22
[Signature]
DISTRICT SIX ENGINEER OF LOCAL ROADS AND STREETS
Released For Bid Based on Limited Review
January 4, 20 22
[Signature]
REGION FOUR ENGINEER

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Vertical text on the left margin: gjonsson, gjonsson, Date: 10/28/2021, gjonsson, C:\SP\WKS & CO\John-Spring - Projects\Springfield City of Springfield\Projects\Springfield City of Springfield\Drawings\19-00487-00-BR\19-00487-00-BR-01.dwg

GENERAL NOTES

- EXCEPT AS NOTED ON THE PLANS, PAVEMENT GRADES SHOWN ARE AT THE TOP OF PAVEMENT SURFACES.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- ALL ELEVATIONS ARE BASED ON NAVD 88-DATUM.
- WHERE PERMANENT SURVEY MARKERS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE DISTURBED. THE CONTRACTOR SHALL PROTECT AND PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER AND AN AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THE LOCATION.
- WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL MONUMENTS UNTIL AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING AN AUTHORIZED SURVEYOR REESTABLISH ANY SECTION OR SUBSECTION MONUMENTS DESTROYED BY HIS/HER OPERATIONS.
- ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF CONTRACT ITEMS INVOLVED.
- THE LOCATIONS OF EXISTING WATER MAINS, GAS MAINS, SEWERS, ELECTRIC POWER LINES, TELEPHONE LINES AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON THE BEST INFORMATION AVAILABLE, BUT THEY ARE NOT GUARANTEED. UNLESS ELEVATIONS ARE SHOWN. ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTH SUPPLIED BY THE UTILITY COMPANY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION.
- THE CONTRACTOR'S OPERATIONS AND TEMPORARY STORAGE ACTIVITIES SHALL BE LIMITED TO THE WORK AREA AND/OR CONSTRUCTION LIMITS. ANY ADDITIONAL STAGING AREAS ADJACENT TO THE PROJECT AREA ARE SUBJECT TO PRIOR APPROVAL BY THE ENGINEER AND MUST NOT CONFLICT WITH EXISTING SIDE ROADS, INTERSECTIONS, DRIVEWAYS, OR DRAINAGE. ALL OPERATIONS SHALL BE SUBJECT TO REGULATORY REQUIREMENTS PERMITTED FOR THIS PROJECT. NO ADDITIONAL COMPENSATION WILL BE ALLOWED TO THE CONTRACTOR FOR COMPLIANCE WITH THE ABOVE REQUIREMENTS.
- DISTURBED AREAS SHALL RECEIVE PERMANENT STABILIZATION WITHIN 7 DAYS OF COMPLETION OF CONSTRUCTION ACTIVITIES. TEMPORARY STABILIZATION OF WORK AREAS IS REQUIRED FOR ALL AREAS REMAINING UNDISTURBED FOR 14 DAYS, UNLESS WORK RESUMES PRIOR TO 21 DAYS. TEMPORARY STABILIZATION MUST BE APPROVED BY THE ENGINEER.
- THE CONTRACTOR SHALL USE CARE IN ALL REMOVAL ACTIVITIES NEAR ALL EXISTING ITEMS WHICH WILL REMAIN. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTORS EXPENSE.

GENERAL NOTES

- THE CONTRACTOR SHALL RELOCATE OR REMOVE AND REPLACE ALL SIGNS THAT INTERFERE WITH THE CONSTRUCTION OPERATIONS AND TEMPORARILY RESET ALL SUCH SIGNS DURING ALL STAGES OF CONSTRUCTION AS DIRECTED BY THE ENGINEER. THE ENGINEER WILL DETERMINE THE PERMANENT LOCATION FOR EXISTING SIGNS TO BE RE-ERECTED.
- EMBANKMENTS ON HILLSIDES OR SLOPES SHALL BE CONSTRUCTED ACCORDING TO ARTICLE 205.03.
- CONTRACTOR SHALL INSTALL ALL EROSION CONTROL MEASURES PRIOR TO STARTING ANY OTHER CONSTRUCTION WORK AT SITE.
- FULL DEPTH SAW CUTTING ON ALL EDGES FOR REMOVAL ITEMS SHALL BE INCLUDED IN THE COST OF THE REMOVAL ITEM AS INDICATED AND IN ACCORDANCE WITH SECTION 440 OF THE STANDARD SPECIFICATIONS.
- THE ENGINEER WILL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HMA LIFTS.

COMMITMENTS

- TREES THREE INCHES OR GREATER AT BREAST HEIGHT SHALL NOT BE CLEARED FROM APRIL 1 THROUGH SEPTEMBER 30 OF ANY GIVEN YEAR.
- THE BRIDGE BAT ASSESSMENT EXPIRES 4/22/2022. A VALID ASSESSMENT IS REQUIRED PRIOR TO PERFORMING ANY WORK BELOW THE EXISTING BRIDGE DECK SURFACE.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

LOCATIONS	CHURCHILL ROAD	CHURCHILL ROAD
MIXTURE USE(S):	POLY HMA SURFACE (2") PAVT CONN-TOP LIFT (2")	HMA BINDER (6") PAVT CONN-BOTT LIFT (VARIES)
AC/PG:	SBS PG 70-22	PG 64-22
DESIGN AIR VOIDS:	4.0% @ N50	4.0% @ N50
MIXTURE COMPOSITION (GRADATION MIXTURE)	IL 9.5	IL 19.0
FRICTION AGGREGATE:	MIX "C"	N/A
QUALITY MANAGEMENT	QC/QA	QC/QA
SUBLOT SIZE	N/A	N/A

APPLICATION RATES

AGGREGATE (SURFACE/BASE/SUBBASE/BACKFILL)	2.05 TONS/CU YD
BITUMINOUS MATERIALS (TACK COAT)	0.025 LB/SQ FT (FOG COAT BETWEEN HMA LIFTS)
BITUMINOUS MATERIALS (PRIME COAT)	0.25 LB/SQ FT (AGGREGATE)
HOT-MIX ASPHALT (SURFACE/BINDER/BASE)	112 LBS/SQ YD/IN
RIPRAP	1.50 TONS/CU YD
NITROGEN FERTILIZER NUTRIENT	90 LBS/ACRE
PHOSPHORUS FERTILIZER NUTRIENT	90 LBS/ACRE
POTASSIUM FERTILIZER NUTRIENT	90 LBS/ACRE
TEMPORARY EROSION CONTROL SEEDING	100 LBS/ACRE

MODEL: D:\p\h\l... FILE NAME: C:\SPR\WHKS & CO\Jobs-Spring - Projects\Springfield_City_of\8941_Churchill_Rd\CADD\CAD_Sheets\8941-2-hb-remotes.dgn

design firm
no. 184001036
whks
engineers + planners + land surveyors

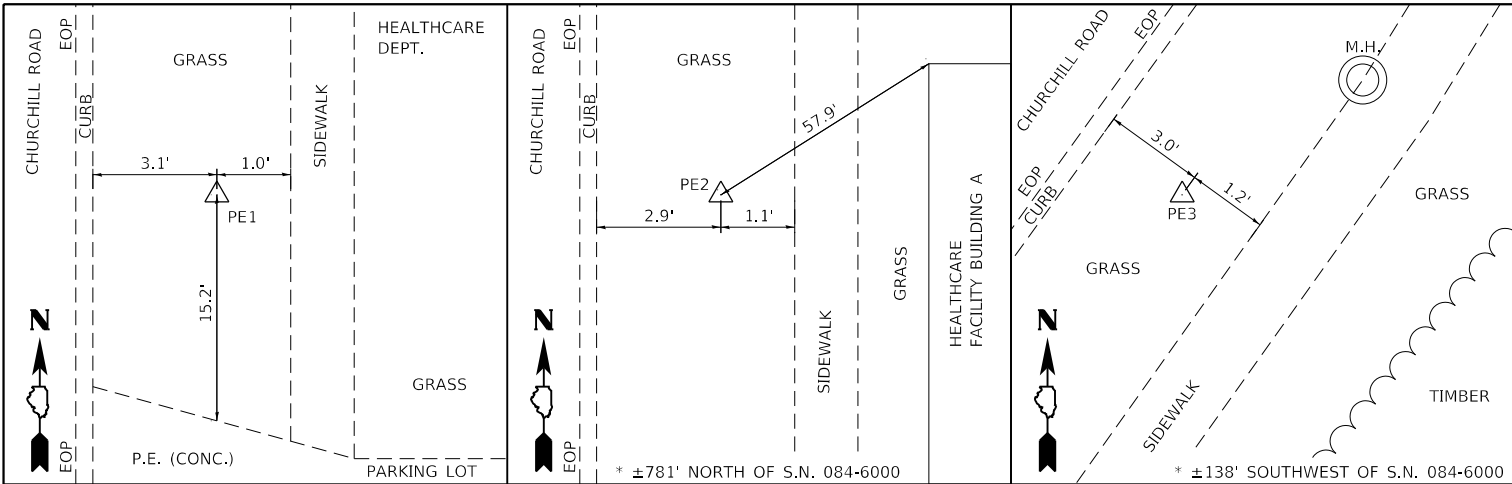
USER NAME = gjameson	DESIGNED - RKA	REVISED -
	DRAWN - GSJ	REVISED -
PLOT SCALE = 1200.0000' / ft.	CHECKED - SDS	REVISED -
PLOT DATE = 11/10/2021	DATE - 11/10/2021	REVISED -

CITY OF SPRINGFIELD

**GENERAL NOTES AND COMMITMENTS
CHURCHILL ROAD OVER JACKSONVILLE BRANCH**

SCALE: 1" = 50' SHEET 1 OF 1 SHEETS STA. TO STA.

M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1920	19-00487-00-BR	SANGAMON	60	2
			CONTRACT NO. 93777	
		ILLINOIS	FED. AID PROJECT	



CONTROL POINT #PE1

SET 5/8" REBAR W/ CAP
 STA. 20+74.71, 19.31 RT
 N 1144760.7590
 E 2428979.3730

CONTROL POINT #PE2

SET 5/8" REBAR W/ CAP
 STA. 26+23.08, 20.66 RT
 N 1145305.0090
 E 2429046.4800

CONTROL POINT #PE3

SET 5/8" REBAR W/ CAP
 STA. 16+53.01, 18.16 RT
 N 1144356.7020
 E 2428846.1910

SUPERELEVATION

LT PAN OF GUTTER	LT EOP	AXIS OF ROTATION	RT EOP	RT PAN OF GUTTER
-2.07%	-2.07%	D	-0.15%	-0.15%
-2.08%	-2.08%	C	2.08%	2.08%
-2.08%	-2.08%	B	2.08%	2.08%
-2.02%	-2.02%	A	1.29%	1.29%

CURVE CHURCHILL1

A	17+25.00
B	17+59.63
C	19+50.21
D	19+75.00

Beginning chain (CHURCHILL ROAD) description

Point CL003 N 1,143,627.4474 E 2,427,372.9868 Sta 0+00.00
 Course from CL003 to PC CHURCHILL1 N 67° 06' 34.76" E Dist 1,243.2300

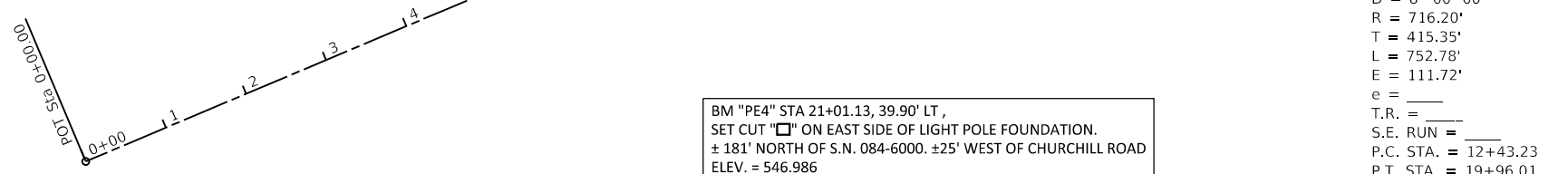
Curve Data

Curve CHURCHILL1
 P.I. Station = 16+58.58 N 1,144,272.5838 E 2,428,900.9568
 Delta = 60° 13' 19.81" (LT)
 Degree = 7° 59' 59.89"
 Tangent = 415.3517
 Length = 752.7800
 Radius = 716.2000
 External = 111.7248
 Long Chord = 718.6037
 Mid. Ord. = 96.6480
 P.C. Station = 12+43.23 N 1,144,111.0250 E 2,428,518.3136
 P.T. Station = 19+96.01 N 1,144,684.9382 E 2,428,950.7658
 C.C. Station = 16+58.58 N 1,144,770.8249 E 2,428,239.7343
 Back = N 67° 06' 34.76" E
 Ahead = N 6° 53' 14.96" E
 Chord Bear = N 36° 59' 54.86" E

Course from PT CHURCHILL1 to CL004 N 6° 53' 14.96" E Dist 635.0371

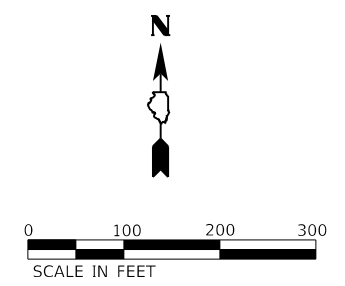
Point CL004 N 1,145,315.3926 E 2,429,026.9195 Sta 26+31.05

Ending chain (CHURCHILL ROAD) description



BM "PE4" STA 21+01.13, 39.90' LT,
 SET CUT "□" ON EAST SIDE OF LIGHT POLE FOUNDATION.
 ± 181' NORTH OF S.N. 084-6000. ±25' WEST OF CHURCHILL ROAD
 ELEV. = 546.986

PROP. CURVE CHURCHILL1
 PI STA. = 16+58.58
 Δ = 60° 13' 20" (LT)
 D = 8° 00' 00"
 R = 716.20'
 T = 415.35'
 L = 752.78'
 E = 111.72'
 e = _____
 T.R. = _____
 S.E. RUN = _____
 P.C. STA. = 12+43.23
 P.T. STA. = 19+96.01



MODEL: Default
 FILE NAME: C:\SPR\WHKS & CO\Jobs-Spring - Projects\Spr\Infield City of 08941 Churchill Road\CADD\CAD_Sheets\8941-eh-ATB.dgn



USER NAME = gjameson	DESIGNED - RKA	REVISED -
PLOT SCALE = 2400.0000' / ft.	DRAWN - GSJ	REVISED -
PLOT DATE = 10/28/2021	CHECKED - SDS	REVISED -
	DATE - 10/28/2021	REVISED -

CITY OF SPRINGFIELD

**ALIGNMENT, TIES, & BENCHMARKS DETAILS
 CHURCHILL ROAD OVER JACKSONVILLE BRANCH**

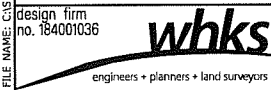
SCALE: 1" = 100' SHEET 1 OF 1 SHEETS STA. TO STA.

M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1920	19-00487-00-BR	SANGAMON	60	3
CONTRACT NO. 93777				
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				BRIDGE
				0013 SN 084-6000
Δ 20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	256	256
Δ 20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	222	222
20200100	EARTH EXCAVATION	CU YD	229	229
20300100	CHANNEL EXCAVATION	CU YD	735	735
20800150	TRENCH BACKFILL	CU YD	4.6	4.6
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	100	100
28000400	PERIMETER EROSION BARRIER	FOOT	363	363
28000500	INLET AND PIPE PROTECTION	EACH	1	1
28100109	STONE RIPRAP, CLASS A5	SQ YD	1026	1026
28200200	FILTER FABRIC	SQ YD	1026	1026
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	326	326
31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	58	58
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	665	665
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	185	185

Δ SPECIALTY ITEMS

MODEL: Detail.dwg
FILE: W:\HWKS & CO\Jobs\Spring - Projects\Springfield_City_080941_Churchill_Road\CADD\CAD_Sheets\B941-INT500.dgn



USER NAME = gjameson
 PLOT SCALE = 1200:0.0000 '":' / ft.
 PLOT DATE = 11/10/2021

DESIGNED - RKA
 DRAWN - GSJ
 CHECKED - SDS
 DATE - 11/10/2021

REVISED -
 REVISED -
 REVISED -
 REVISED -

CITY OF SPRINGFIELD

SUMMARY OF QUANTITIES
CHURCHILL ROAD OVER JACKSONVILLE BRANCH

SCALE: 1" = 50' SHEET 1 OF 4 SHEETS STA. TO STA.


M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1920	19-00487-00-BR	SANGAMON	60	4
CONTRACT NO. 93777			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				BRIDGE 0013 SN 084-6000
40600370	LONGITUDINAL JOINT SEALANT	FOOT	97	97
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	62	62
40604150	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	TON	21	21
42000070	PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB	SQ YD	115	115
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	515	515
44000100	PAVEMENT REMOVAL	SQ YD	432	432
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	287	287
44000600	SIDEWALK REMOVAL	SQ FT	630	630
50101500	REMOVAL OF EXISTING SUPERSTRUCTURES	EACH	1	1
50102400	CONCRETE REMOVAL	CU YD	12.6	12.6
50200100	STRUCTURE EXCAVATION	CU YD	95.9	95.9
50300225	CONCRETE STRUCTURES	CU YD	29.8	29.8
50300255	CONCRETE SUPERSTRUCTURE	CU YD	279.7	279.7
50300260	BRIDGE DECK GROOVING	SQ YD	497	497

△ SPECIALTY ITEMS

MODEL: Default
 FILE NAME: C:\SPR\WKS & CO\Jobs-Spring - Projects\Springfield City 08181 - Churchill Rd\CADD\CAD Sheets\08181-INT-500.dgn

design firm
no. 184001036



engineers + planners + land surveyors

USER NAME = gjameson	DESIGNED - RKA	REVISED -
	DRAWN - GSJ	REVISED -
PLOT SCALE = 1200:0.0000 :":' / ft.	CHECKED - SDS	REVISED -
PLOT DATE = 11/10/2021	DATE - 11/10/2021	REVISED -

CITY OF SPRINGFIELD

SUMMARY OF QUANTITIES
CHURCHILL ROAD OVER JACKSONVILLE BRANCH

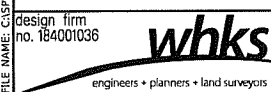
SCALE: 1" = 50' SHEET 2 OF 4 SHEETS STA. TO STA.

M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1920	19-00487-00-BR	SANGAMON	60	5
			CONTRACT NO. 93777	
			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				BRIDGE
				0013 SN 084-6000
50300300	PROTECTIVE COAT	SQ YD	700	700
50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	71	71
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	163150	163150
△ 50900105	ALUMINUM RAILING, TYPE L	FOOT	141	141
△ 50900305	STEEL RAILING, TYPE T1	FOOT	145	145
51500100	NAME PLATES	EACH	1	1
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	1	1
550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	38	38
55100500	STORM SEWER REMOVAL 12"	FOOT	28	28
55100700	STORM SEWER REMOVAL 15"	FOOT	18	18
55100900	STORM SEWER REMOVAL 18"	FOOT	18	18
58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	83	83
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	57	57
60146304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	137	137

△ SPECIALTY ITEMS

MODEL: P:\0414\1920\CIVIL\WHS & COLONIS-SPRING - PROJECTS\Springfield City_08941_Churchill_Rd\CADD\CAD_Sheets\8941-1-whs500.dgn
 FILE NAME: CIVIL\WHS & COLONIS-SPRING - PROJECTS\Springfield City_08941_Churchill_Rd\CADD\CAD_Sheets\8941-1-whs500.dgn



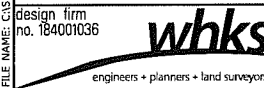
USER NAME = gjameson	DESIGNED - RKA	REVISED -
PLOT SCALE = 1200:0.0000 "' / ft.	DRAWN - GSJ	REVISED -
PLOT DATE = 11/10/2021	CHECKED - SDS	REVISED -
	DATE - 11/10/2021	REVISED -

CITY OF SPRINGFIELD

SUMMARY OF QUANTITIES			
CHURCHILL ROAD OVER JACKSONVILLE BRANCH			
SCALE: 1" = 50'	SHEET 3	OF 4 SHEETS	STA. TO STA.

M.S. RTE. 1920	SECTION 19-00487-00-BR	COUNTY SANGAMON	TOTAL SHEETS 60	SHEET NO. 6
				CONTRACT NO. 93777
ILLINOIS FED. AID PROJECT				

MODEL: D:\dwg\whks\Projects\Springfield_City_018941_Churchill_Rd\CADD\CAD_Sheets\B941-INT-500.dgn
 FILE NAME: whks & CO.Ltd-Spring - Projects\Springfield_City_018941_Churchill_Rd\CADD\CAD_Sheets\B941-INT-500.dgn



USER NAME = bjohnson
 PLOT SCALE = 100:0.0000 "/ in.
 PLOT DATE = 1/3/2022

DESIGNED - RKA
 DRAWN - GSJ
 CHECKED - SDS
 DATE - 1/3/2022

REVISED -
 REVISED -
 REVISED -
 REVISED -

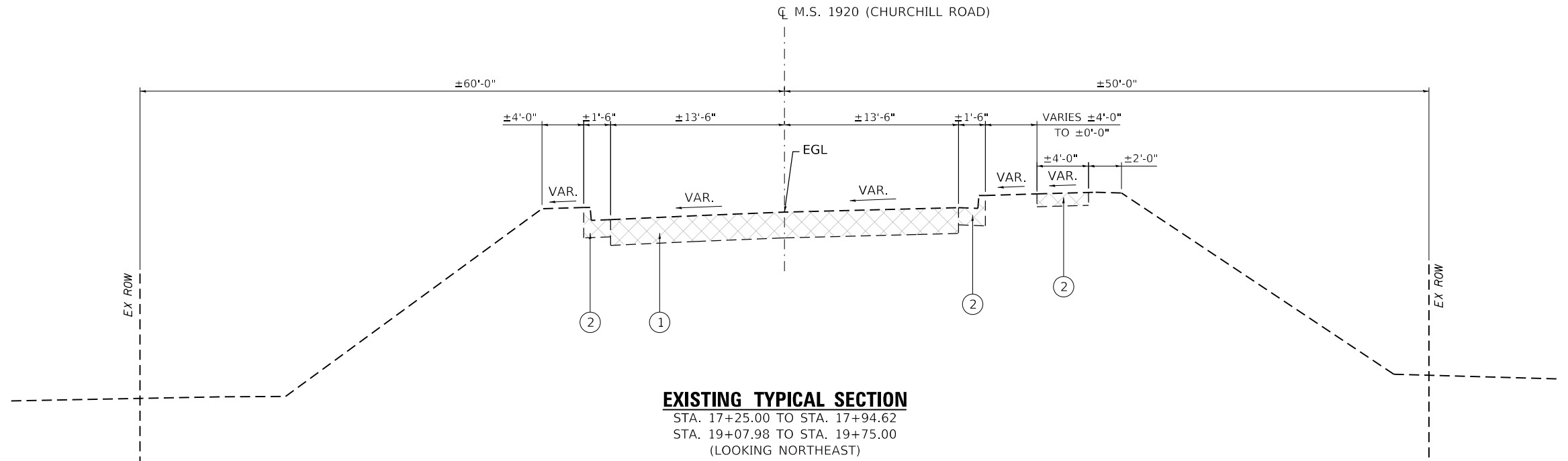
CITY OF SPRINGFIELD

SUMMARY OF QUANTITIES
CHURCHILL ROAD OVER JACKSONVILLE BRANCH
 SCALE: 1" = 50' SHEET 4 OF 4 SHEETS STA. TO STA.

M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1920	19-00487-00-BR	SANGAMON	60	7
CONTRACT NO. 93777			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				BRIDGE 0013 SN 084-6000
60240220	INLETS, TYPE B, TYPE 3 FRAME AND GRATE	EACH	1	1
60500060	REMOVING INLETS	EACH	2	2
60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	FOOT	212	212
67100100	MOBILIZATION	L SUM	1	1
72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	2	2
X2501000	SEEDING, CLASS 2 (SPECIAL)	ACRE	0.5	0.5
X7011800	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	L SUM	1	1
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	40	40
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1
# Z0076600	TRAINEES	Hour	500	
# Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	Hour	500	

Δ SPECIALTY ITEMS # 0042



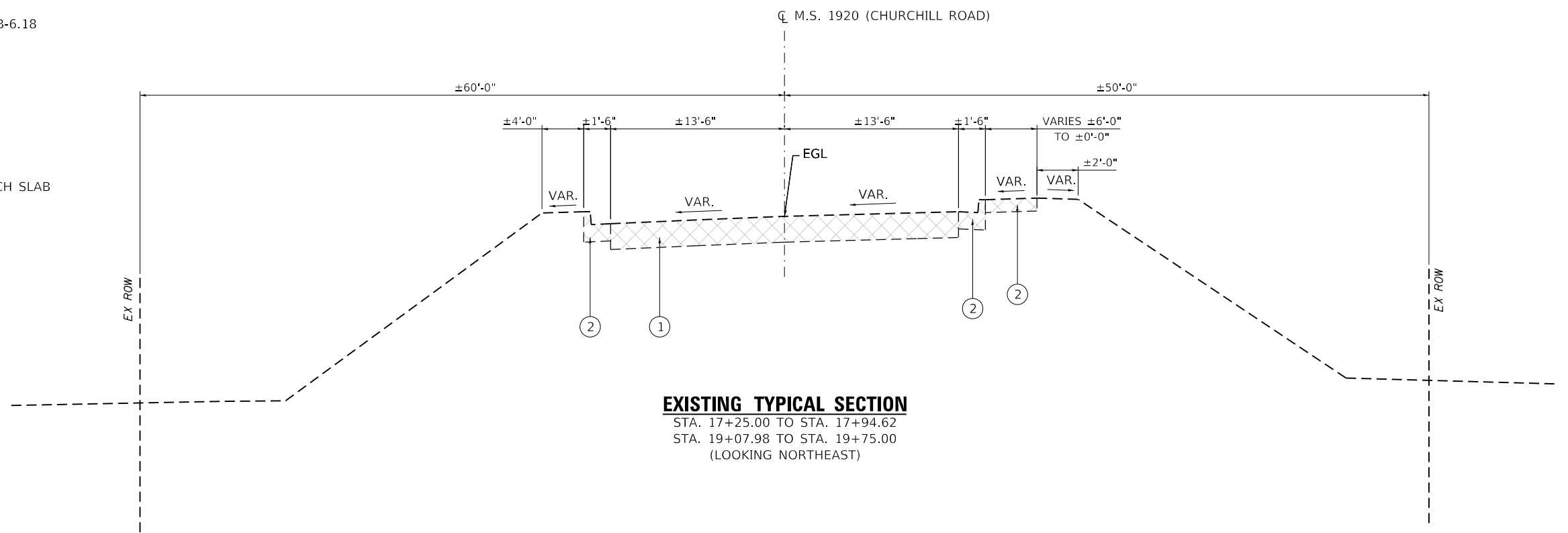
EXISTING TYPICAL SECTION

STA. 17+25.00 TO STA. 17+94.62
 STA. 19+07.98 TO STA. 19+75.00
 (LOOKING NORTHEAST)

LEGEND

- ① EXISTING HMA PAVEMENT
- ② EXISTING CONC. CURB AND GUTTER TYPE B-6.24
- ③ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50 (2")
- ④ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (6")
- ⑤ AGGREGATE SUBGRADE IMPROVEMENT 12"
- ⑥ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18
- ⑦ PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
- ⑧ SUBBASE GRANULAR MATERIAL, TYPE B 4"
- ⑨ TRANSITION TO EXISTING GUTTER
- ⑩ LONGITUDINAL JOINT SEALANT
- ⑪ PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB

 TO BE REMOVED



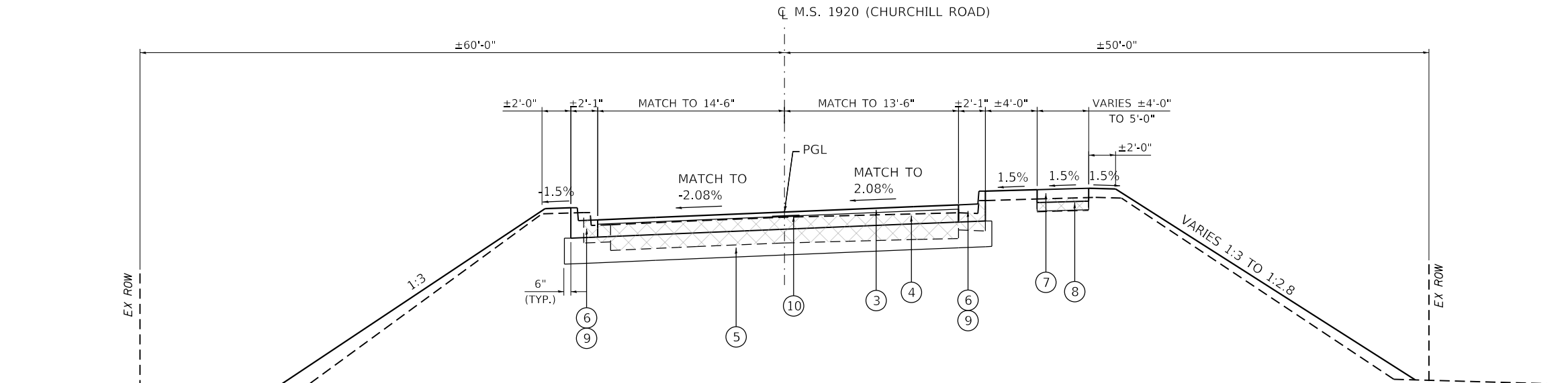
EXISTING TYPICAL SECTION

STA. 17+25.00 TO STA. 17+94.62
 STA. 19+07.98 TO STA. 19+75.00
 (LOOKING NORTHEAST)

MODEL: Default; FILE NAME: C:\SPR\WHKS & CO\Jobs-Spring - Projects\Springfield City of 08941 Churchill Road\CADD\CAD_Sheets\8941-ehs-hp\cal.dgn

USER NAME = gjameson	DESIGNED - RKA	REVISED -
PLOT SCALE = 1/20,000' / ft.	DRAWN - GSJ	REVISED -
PLOT DATE = 11/10/2021	CHECKED - SDS	REVISED -
	DATE - 11/10/2021	REVISED -

M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1920	19-00487-00-BR	SANGAMON	60	8
CONTRACT NO. 93777				
ILLINOIS FED. AID PROJECT				



PROPOSED TYPICAL SECTION

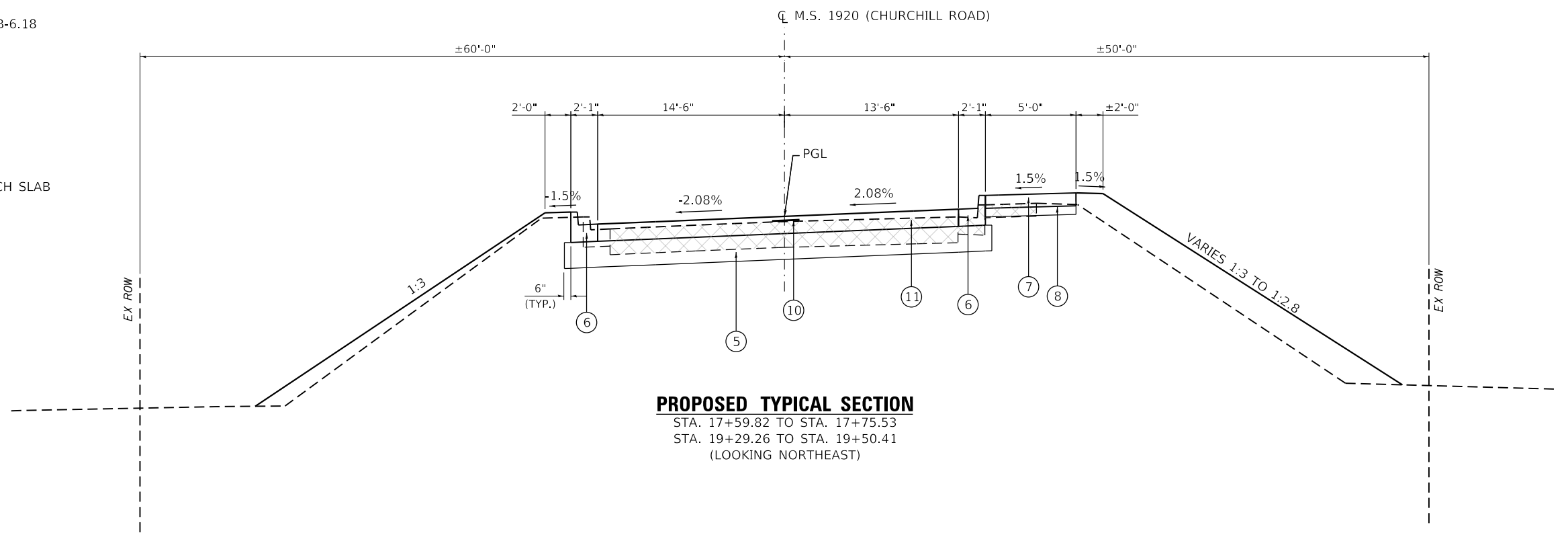
STA. 17+25.00 TO STA. 17+59.82
 STA. 19+50.41 TO STA. 19+75.00
 (LOOKING NORTHEAST)

OMISSIONS:
 BRIDGE
 STA. 17+94.62 TO STA. 19+07.98 (SN 084-6000)

LEGEND

- ① EXISTING HMA PAVEMENT
- ② EXISTING CONC. CURB AND GUTTER TYPE B-6.24
- ③ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50 (2")
- ④ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (6")
- ⑤ AGGREGATE SUBGRADE IMPROVEMENT 12"
- ⑥ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18
- ⑦ PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
- ⑧ SUBBASE GRANULAR MATERIAL, TYPE B 4"
- ⑨ TRANSITION TO EXISTING GUTTER
- ⑩ LONGITUDINAL JOINT SEALANT
- ⑪ PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB

TO BE REMOVED



PROPOSED TYPICAL SECTION

STA. 17+59.82 TO STA. 17+75.53
 STA. 19+29.26 TO STA. 19+50.41
 (LOOKING NORTHEAST)

MODEL: Default; FILE NAME: C:\SPRINGFIELD_City_of08941_Churchill_Rd\CADD\CAD_Sheets\8941_rhshybal.dgn



USER NAME = gjameson	DESIGNED - RKA	REVISED -
PLOT SCALE = 1/20,000' / ft.	DRAWN - GSJ	REVISED -
PLOT DATE = 11/10/2021	CHECKED - SDS	REVISED -
	DATE - 11/10/2021	REVISED -

CITY OF SPRINGFIELD

TYPICAL SECTIONS
CHURCHILL ROAD OVER JACKSONVILLE BRANCH

SCALE: 1" = 5' SHEET 2 OF 2 SHEETS STA. TO STA.

M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1920	19-00487-00-BR	SANGAMON	60	9
CONTRACT NO. 93777				
ILLINOIS FED. AID PROJECT				

LOCATION	20200100	20300100	FOR INFORMATION ONLY		EARTHWORK BALANCE WASTE(+) AND SHORTAGE (-) CU. YD.
	EARTH EXCAVATION	CHANNEL EXCAVATION	EXCAVATION TO BE USED IN EMBANKMENT (ADJUSTED FOR SHRINKAGE) (EXC. x 0.75)	EMBANKMENT (FILL)	
	CU. YD.	CU. YD.	CU. YD.	CU. YD.	
STA. 17+25.00 TO STA. 17+94.62	117		88	34	54
STA. 17+94.62 TO STA. 19+07.98		735	* 276		276
STA. 19+07.98 TO STA. 19+81.11	112		84	27	57
TOTAL	229	735	448	61	387

EARTH EXCAVATION SHRINKAGE FACTOR = 25%

*CHANNEL EXCAVATION USED IN EMBANKMENT= 50%

20100110 TREE REMOVAL (6 TO 15 UNITS DIAMETER)

MS 1920 (CHURCHILL RD.)	UNIT
RT 17+54.00	8
RT 17+61.00	8
RT 17+62.00	12
RT 17+70.00	12
LT 17+74.00	6
LT 17+75.00	10
RT 17+78.00	8
LT 17+86.00	14
RT 17+91.00	12
RT 17+95.00	8
RT 17+96.00	6
RT 17+99.00	10
RT 18+03.00	12
LT 18+07.00	12
LT 18+08.00	10
RT 18+13.00	14
LT 18+17.00	14
LT 18+27.00	12
LT 18+28.00	10
LT 18+45.00	8
RT 18+55.00	14
RT 18+66.00	14
RT 18+67.00	6
RT 18+73.00	8
RT 18+77.00	8
TOTAL	256

20100210 TREE REMOVAL (OVER 15 UNITS DIAMETER)

MS 1920 (CHURCHILL RD.)	UNIT
RT 17+68.00	22
RT 18+00.00	16
LT 18+38.00	18
LT 18+48.00	30
LT 18+56.00	18
RT 18+75.00	36
LT 19+14.00	30
LT 19+19.00	20
RT 19+36.00	16
RT 19+66.00	16
TOTAL	222

20800150 TRENCH BACKFILL

MS 1920 (CHURCHILL RD.)	CU YD
CL 19+52.85	4.6
TOTAL	4.6

28000250 TEMPORARY EROSION CONTROL SEEDING

MS 1920 (CHURCHILL RD.)	POUND
LT 17+25.00 TO LT 18+83.00	25
LT 18+96.00 TO LT 19+81.11	25
RT 17+25.00 TO RT 18+08.00	25
RT 18+30.00 TO RT 19+75.00	25
TOTAL	100

28000400 PERIMETER EROSION BARRIER

MS 1920 (CHURCHILL RD.)	FOOT
LT 17+25.00 TO LT 18+66.00	134
LT 19+31.00 TO LT 19+85.00	62
RT 17+25.00 TO RT 17+83.00	61
RT 18+77.00 TO RT 19+75.00	106
TOTAL	363

28000500 INLET AND PIPE PROTECTION

MS 1920 (CHURCHILL RD.)	EACH
13.5' LT 19+54.20	1
TOTAL	1

30300112 AGGREGATE SUBGRADE IMPROVEMENT 12"

MS 1920 (CHURCHILL RD.)	SQ YD
CL 17+25.00 TO CL 17+72.25	173
CL 19+32.99 TO CL 19+75.00	153
TOTAL	326

31101200 SUBBASE GRANULAR MATERIAL, TYPE B 4"

MS 1920 (CHURCHILL RD.)	SQ YD
RT 17+25.00 TO RT 17+68.74	24
RT 19+14.70 TO RT 19+75.00	34
TOTAL	58

40600275 BITUMINOUS MATERIALS (PRIME COAT)

MS 1920 (CHURCHILL RD.)	POUND
CL 17+25.00 TO CL 17+59.82	238
CL 17+59.82 TO CL 17+75.53	112
CL 19+29.26 TO CL 19+50.41	145
CL 19+50.41 TO CL 19+75.00	170
TOTAL	665

40600290 BITUMINOUS MATERIALS (TACK COAT)

MS 1920 (CHURCHILL RD.)	POUND
CL 17+25.00 TO CL 17+59.82	48
CL 17+59.82 TO CL 17+75.53	45
CL 19+29.26 TO CL 19+50.41	58
CL 19+50.41 TO CL 19+75.00	34
TOTAL	185

40600370 LONGITUDINAL JOINT SEALANT

MS 1920 (CHURCHILL RD.)	FOOT
CL 17+25.00 TO CL 17+75.53	51
CL 19+29.26 TO CL 19+75.00	46
TOTAL	97

40603080 HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50

MS 1920 (CHURCHILL RD.)	TON
CL 17+25.00 TO CL 17+59.82	36
CL 19+50.41 TO CL 19+75.00	26
TOTAL	62

MODEL: D:\p\h\... FILE NAME: C:\SPR\WHKS & CO\Jobs-Spring - Projects\Sprng\field_City_of08941_Churchill_Rd\CADD\CAD_Sheets\8941-ph-schedule.dgn



USER NAME = gjameson	DESIGNED - RKA	REVISED -
PLOT SCALE = 1200:0.0000 " = 1" / ft.	DRAWN - GSJ	REVISED -
PLOT DATE = 11/10/2021	CHECKED - SDS	REVISED -
	DATE - 11/10/2021	REVISED -

CITY OF SPRINGFIELD

SCHEDULE OF QUANTITIES
CHURCHILL ROAD OVER JACKSONVILLE BRANCH

SCALE: 1" = 50' SHEET 1 OF 2 SHEETS STA. TO STA.

M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1920	19-00487-00-BR	SANGAMON	60	10
			CONTRACT NO. 93777	
		ILLINOIS	FED. AID PROJECT	

40604150 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50

MS 1920 (CHURCHILL RD.)				TON
CL	17+25.00	TO	CL 17+59.82	12
CL	19+50.41	TO	CL 19+75.00	9
TOTAL				21

42000070 PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB

MS 1920 (CHURCHILL RD.)				SQ YD
CL	17+59.82	TO	CL 17+75.53	50
CL	19+29.26	TO	CL 19+50.41	65
TOTAL				115

42400200 PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH

MS 1920 (CHURCHILL RD.)				SQ FT
RT	17+25.00	TO	RT 17+68.74	213
RT	19+14.70	TO	RT 19+75.00	302
TOTAL				515

44000100 PAVEMENT REMOVAL

MS 1920 (CHURCHILL RD.)				SQ YD
CL	17+25.00	TO	CL 17+95.45	226
CL	19+07.34	TO	CL 19+75.00	206
TOTAL				432

44000500 COMBINATION CURB AND GUTTER REMOVAL

MS 1920 (CHURCHILL RD.)				FOOT
LT	17+25.00	TO	LT 18+00.90	76
RT	17+25.00	TO	RT 17+87.20	62
LT	19+20.10	TO	LT 19+88.70	74
RT	19+00.00	TO	RT 19+75.00	75
TOTAL				287

44000600 SIDEWALK REMOVAL

MS 1920 (CHURCHILL RD.)				SQ FT
RT	17+25.00	TO	RT 17+88.10	285
RT	18+96.60	TO	RT 19+10.70	345
TOTAL				630

54213663 PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"

MS 1920 (CHURCHILL RD.)		EACH
39.75	LT 19+22.90	1
TOTAL		1

550A0090 STORM SEWERS, CLASS A, TYPE 1 18"

MS 1920 (CHURCHILL RD.)			FOOT	
LT	19+22.90	TO	LT 19+54.11	38
TOTAL			38	

55100500 STORM SEWER REMOVAL 12"

MS 1920 (CHURCHILL RD.)			FOOT	
LT	19+51.50	TO	RT 19+54.20	28
TOTAL			28	

55100700 STORM SEWER REMOVAL 15"

MS 1920 (CHURCHILL RD.)			FOOT	
LT	19+39.50	TO	LT 19+54.20	18
TOTAL			18	

55100900 STORM SEWER REMOVAL 18"

MS 1920 (CHURCHILL RD.)			FOOT	
LT	19+24.80	TO	LT 19+39.50	18
TOTAL			18	

60240220 INLETS, TYPE B, TYPE 3 FRAME AND GRATE

MS 1920 (CHURCHILL RD.)		EACH
15.25	LT 19+54.11	1
TOTAL		1

60500060 REMOVING INLETS

MS 1920 (CHURCHILL RD.)		EACH
14.5	LT 19+51.50	1
13.5	RT 19+54.20	1
TOTAL		2

60604400 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18

MS 1920 (CHURCHILL RD.)				FOOT
LT	17+25.00	TO	LT 17+82.60	58
RT	17+25.00	TO	RT 17+69.20	44
LT	19+40.90	TO	LT 19+87.20	54
RT	19+18.90	TO	RT 19+75.00	56
TOTAL				212

67100100 MOBILIZATION

MS 1920 (CHURCHILL RD.)		L SUM
TOTAL		1

72501000 TERMINAL MARKER - DIRECT APPLIED

MS 1920 (CHURCHILL RD.)		EACH
LT	17+87.30	1
LT	19+32.30	1
TOTAL		2

X2501000 SEEDING, CLASS 2 (SPECIAL)

MS 1920 (CHURCHILL RD.)				ACRE
LT	17+25.00	TO	LT 18+83.00	0.07
LT	18+96.00	TO	LT 19+81.11	0.06
RT	17+25.00	TO	RT 18+08.00	0.06
RT	18+30.00	TO	RT 19+75.00	0.06
TOTAL				0.50

X7011800 TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21

MS 1920 (CHURCHILL RD.)		L SUM
TOTAL		1

Z0013798 CONSTRUCTION LAYOUT

MS 1920 (CHURCHILL RD.)		L SUM
TOTAL		1

MODEL: Default
FILE NAME: C:\SPRINGFIELD_City_of08941_Churchill_Rd\CADD\CAD_Sheets\8941-rhs-schedule.dgn
ENGINEERS & PLANNERS • LAND SURVEYORS



USER NAME = gjameson	DESIGNED - RKA	REVISED -
PLOT SCALE = 1200:0.0000 " = 1" / ft.	DRAWN - GSJ	REVISED -
PLOT DATE = 11/10/2021	CHECKED - SDS	REVISED -
	DATE - 11/10/2021	REVISED -






CITY OF SPRINGFIELD

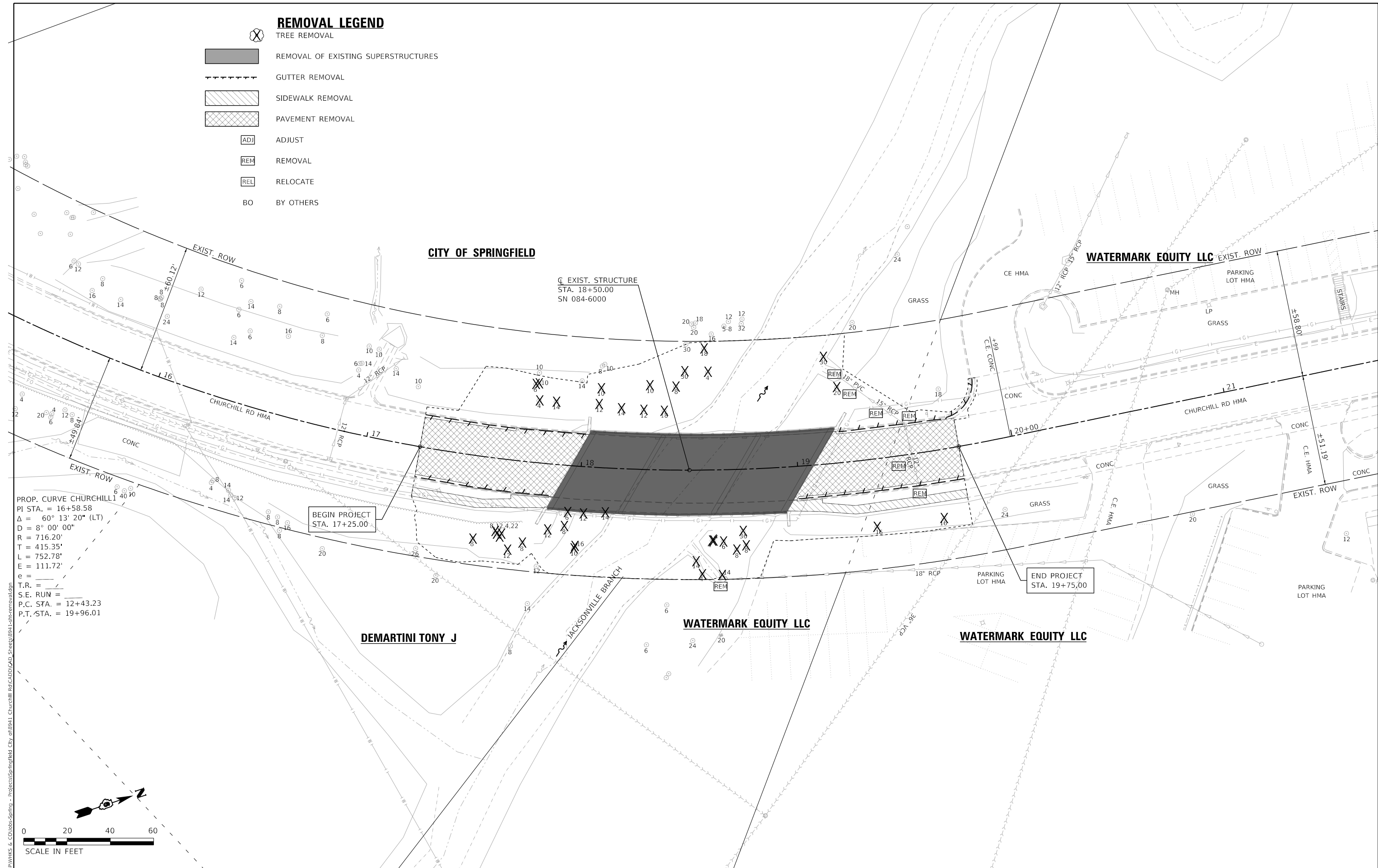
SCHEDULE OF QUANTITIES
CHURCHILL ROAD OVER JACKSONVILLE BRANCH

SCALE: 1" = 50' SHEET 2 OF 2 SHEETS STA. TO STA.

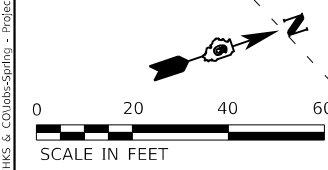
M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1920	19-00487-00-BR	SANGAMON	60	11
				CONTRACT NO. 93777
		ILLINOIS	FED. AID PROJECT	

REMOVAL LEGEND

-  TREE REMOVAL
-  REMOVAL OF EXISTING SUPERSTRUCTURES
-  GUTTER REMOVAL
-  SIDEWALK REMOVAL
-  PAVEMENT REMOVAL
-  ADJUST
-  REMOVAL
-  RELOCATE
-  BY OTHERS



PROP. CURVE CHURCHILL
 PI STA. = 16+58.58
 $\Delta = 60^\circ 13' 20''$ (LT)
 $D = 8^\circ 00' 00''$
 $R = 716.20'$
 $T = 415.35'$
 $L = 752.78'$
 $E = 111.72'$
 $e =$
 $T.R. =$
 $S.E. RUN =$
 $P.C. STA. = 12+43.23$
 $P.T. STA. = 19+96.01$



design firm
 no. 184001036
whks
 engineers + planners + land surveyors

USER NAME = gjameson	DESIGNED - RKA	REVISED -
PLOT SCALE = 480,0000' / ft.	DRAWN - GSJ	REVISED -
PLOT DATE = 11/10/2021	CHECKED - SDS	REVISED -
	DATE - 11/10/2021	REVISED -

CITY OF SPRINGFIELD

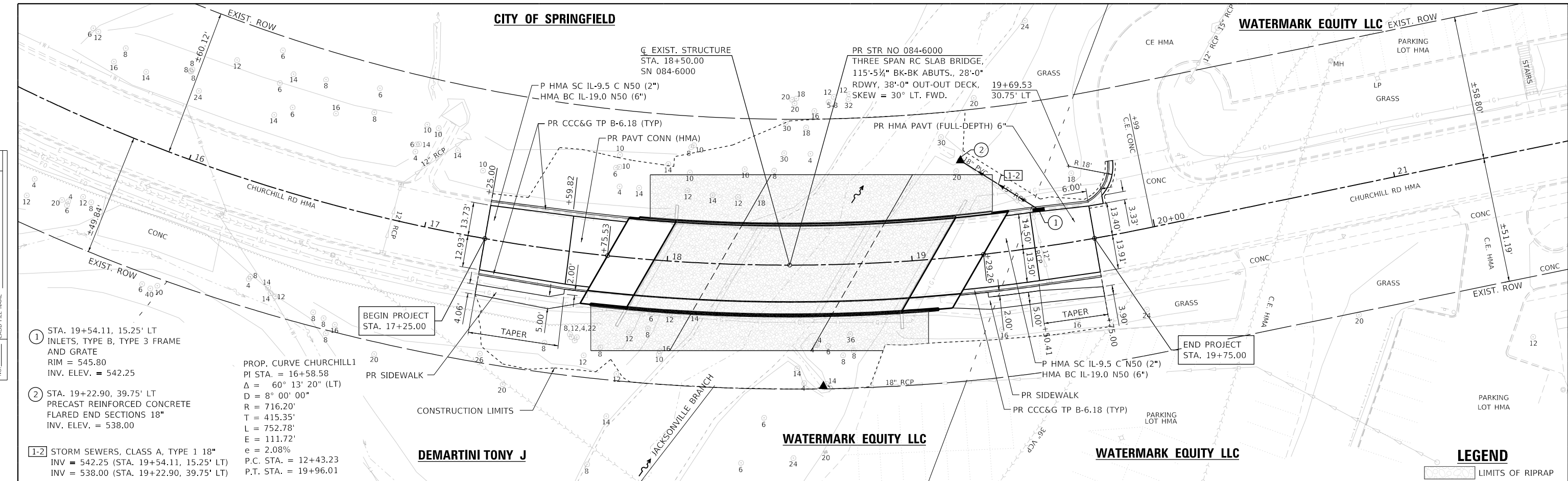
REMOVAL PLAN
CHURCHILL ROAD OVER JACKSONVILLE BRANCH

SCALE: 1" = 20' SHEET 1 OF 1 SHEETS STA. TO STA.

M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1920	19-00487-00-BR	SANGAMON	60	12
CONTRACT NO. 93777				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNMENT CHECKED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	FILE NAME	
	NO.	

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

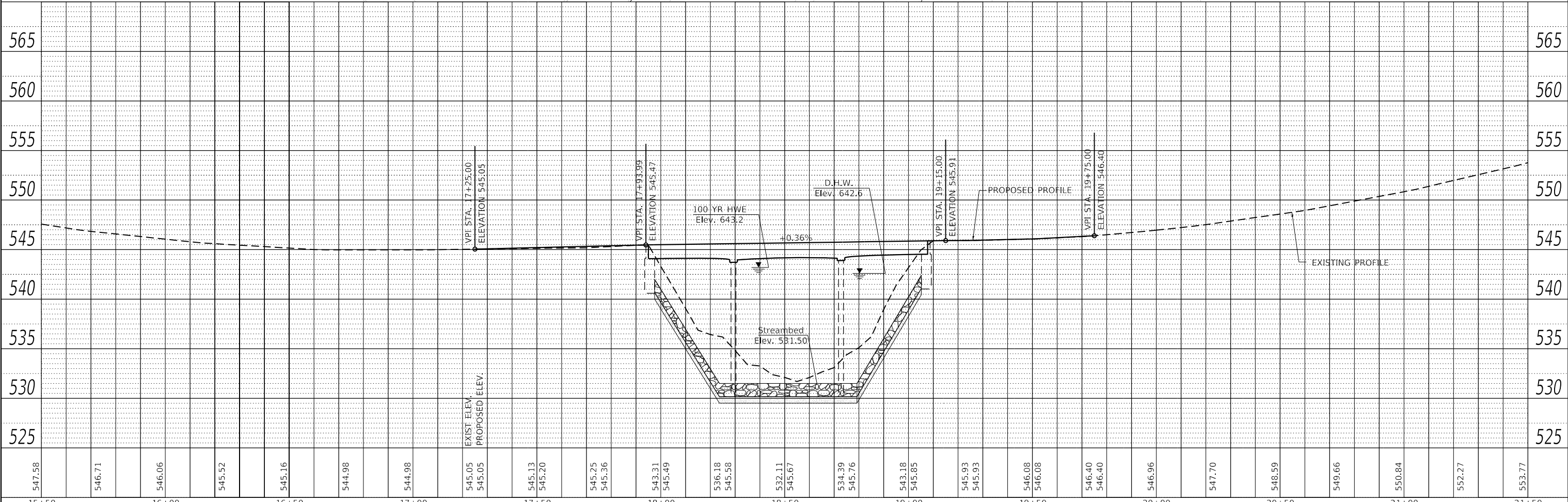


- ① STA. 19+54.11, 15.25' LT
INLETS, TYPE B, TYPE 3 FRAME
AND GRATE
RIM = 545.80
INV. ELEV. = 542.25
- ② STA. 19+22.90, 39.75' LT
PRECAST REINFORCED CONCRETE
FLARED END SECTIONS 18"
INV. ELEV. = 538.00
- 1-2 STORM SEWERS, CLASS A, TYPE 1 18"
INV = 542.25 (STA. 19+54.11, 15.25' LT)
INV = 538.00 (STA. 19+22.90, 39.75' LT)

PROP. CURVE CHURCHILL1
PI STA. = 16+58.58
Δ = 60° 13' 20" (LT)
D = 8° 00' 00"
R = 716.20'
T = 415.35'
L = 752.78'
E = 111.72'
e = 2.08%
P.C. STA. = 12+43.23
P.T. STA. = 19+96.01

DEMARTINI TONY J

LEGEND
LIMITS OF RIPRAP



547.58	546.71	546.06	545.52	545.16	544.98	544.98	545.05	545.13	545.20	545.25	545.36	543.31	545.49	536.18	545.58	532.11	545.67	534.39	545.76	543.18	545.85	545.93	545.93	546.08	546.08	546.40	546.40	546.96	547.70	548.59	549.66	550.84	552.27	553.77			
15+50	16+00	16+50	17+00	17+50	18+00	18+50	19+00	19+50	20+00	20+50	21+00	21+50																									

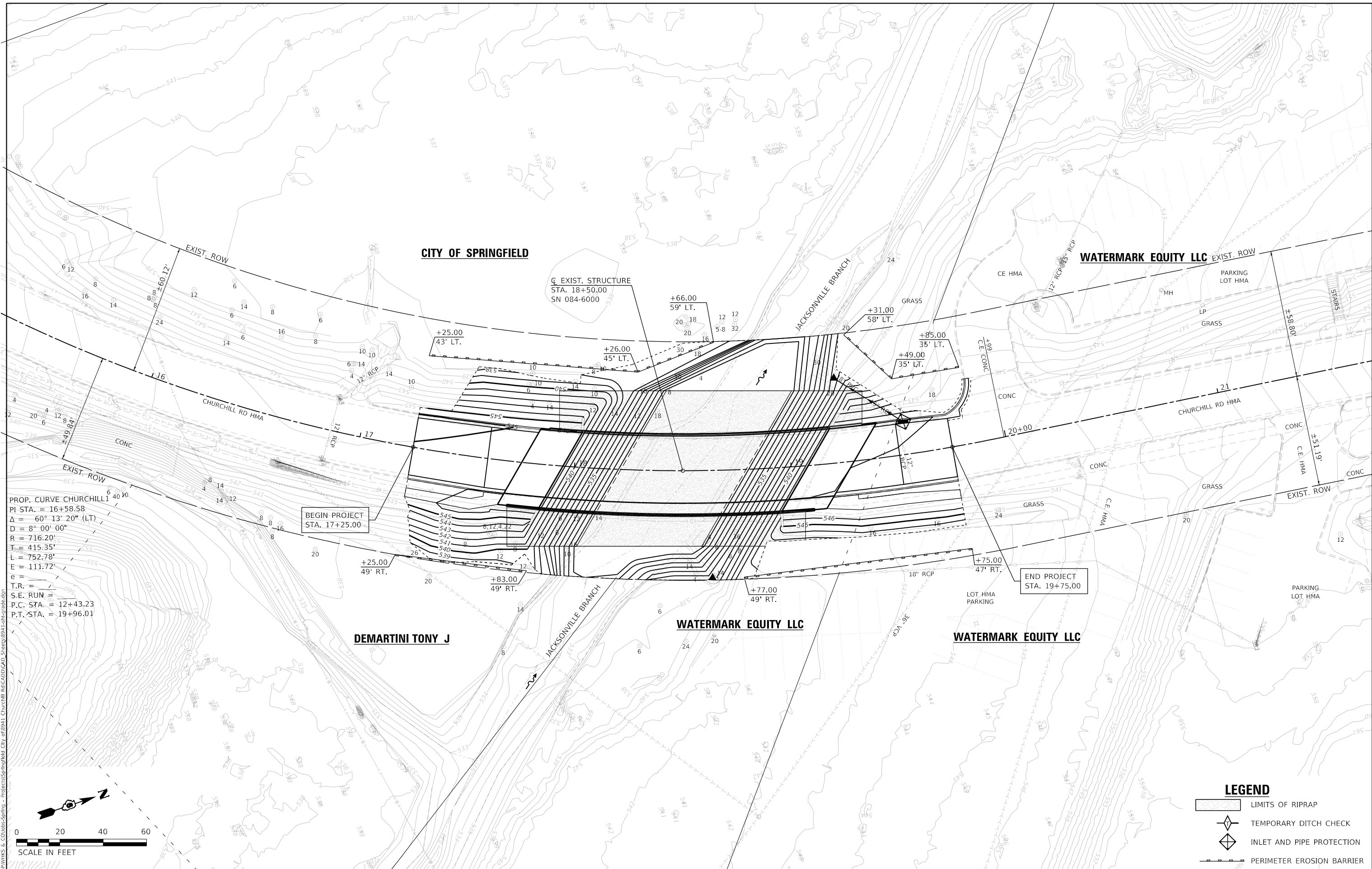
design firm
no. 184001036
whks
engineers + planners + land surveyors

USER NAME = gjameson	DESIGNED - RKA	REVISED -
PLOT SCALE = 480,0000' / ft.	DRAWN - GSJ	REVISED -
PLOT DATE = 11/10/2021	CHECKED - SDS	REVISED -
	DATE - 11/10/2021	REVISED -

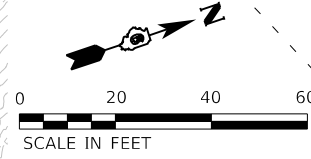
CITY OF SPRINGFIELD

PLAN AND PROFILE			
CHURCHILL ROAD OVER JACKSONVILLE BRANCH			
SCALE: 1" = 20'	SHEET 1	OF 1 SHEETS	STA. 17+25.00 TO STA. 19+75.00

M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1920	19-00487-00-BR	SANGAMON	60	13
CONTRACT NO. 93777				
ILLINOIS FED. AID PROJECT				



PROP. CURVE CHURCHILL
 PI STA. = 16+58.58
 $\Delta = 60^\circ 13' 20''$ (LT)
 $D = 8^\circ 00' 00''$
 $R = 716.20'$
 $T = 415.35'$
 $L = 752.78'$
 $E = 111.72'$
 $e =$
 $T.R. =$
 $S.E. RUN =$
 $P.C. STA. = 12+43.23$
 $P.T. STA. = 19+96.01$



LEGEND

- LIMITS OF RIPRAP
- TEMPORARY DITCH CHECK
- INLET AND PIPE PROTECTION
- PERIMETER EROSION BARRIER

MODEL: Default
 FILE NAME: C:\SPRINGS & CO\SPRINGS - Projects\Springfield City of 08941 Churchill Road\CADD\Sheet\08941-ER-000.dwg
 design firm
 no. 184001036
whks
 engineers + planners + land surveyors

USER NAME = gjameson	DESIGNED - RKA	REVISED -
PLOT SCALE = 480,0000' / ft.	DRAWN - GSJ	REVISED -
PLOT DATE = 11/10/2021	CHECKED - SDS	REVISED -
	DATE - 11/10/2021	REVISED -

CITY OF SPRINGFIELD

EROSION CONTROL AND GRADING PLAN
CHURCHILL ROAD OVER JACKSONVILLE BRANCH
 SCALE: 1" = 20' SHEET 1 OF 1 SHEETS STA. 17+25.00 TO STA. 19+75.00

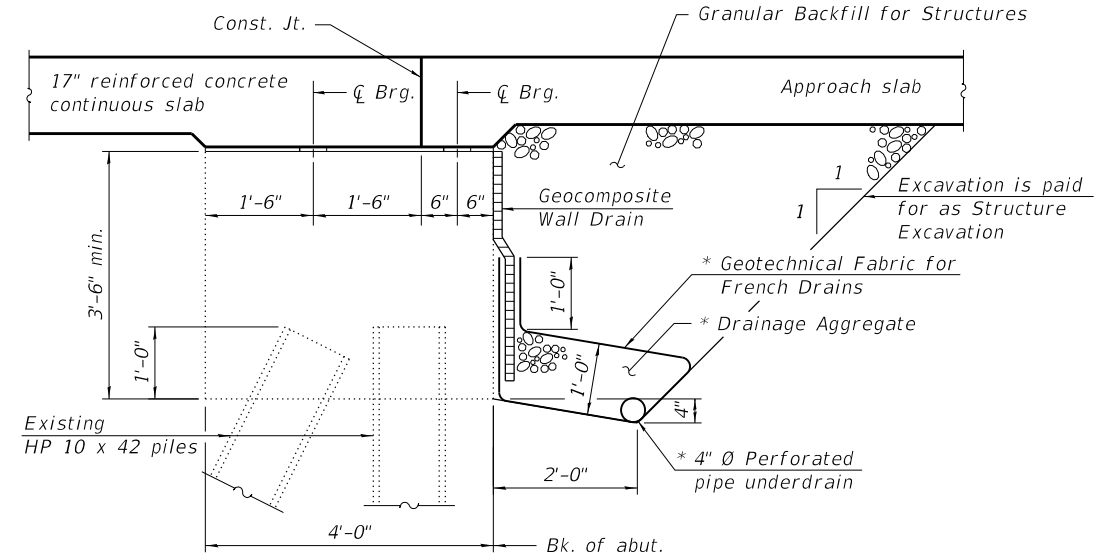
M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1920	19-00487-00-BR	SANGAMON	60	14
			CONTRACT NO. 93777	
		ILLINOIS	FED. AID PROJECT	

GENERAL NOTES

1. Reinforcement bars designated (E) shall be epoxy coated.
2. Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contactor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
3. Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
4. The Contractor shall make allowance for the deflection of forms, shrinkage and settlement of falsework, in addition to allowance for dead load deflection. Forms for deck slab shall be removed prior to placement of bridge approach slab.

TOTAL BILL OF MATERIAL

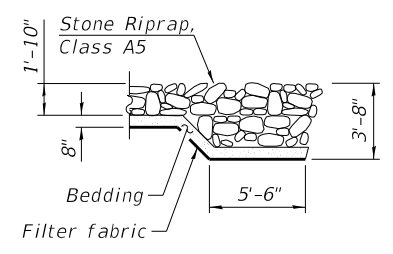
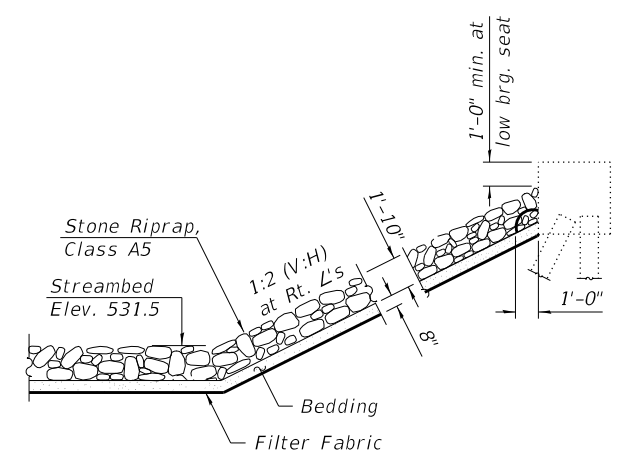
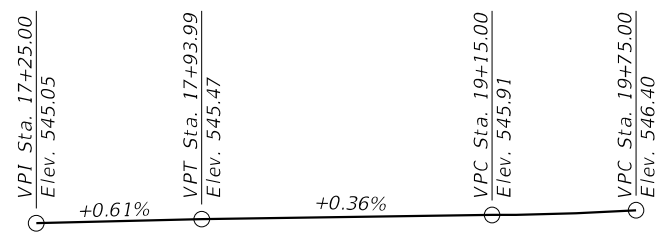
Item	Unit	Super	Sub	Total
Channel Excavation	Cu. Yd.		735	735
Stone Riprap, Class A5	Sq. Yd.		1,026	1,026
Filter Fabric	Sq. Yd.		1,026	1,026
Removal of Existing Superstructures	Each	1		1
Concrete Removal	Cu. Yd.		12.6	12.6
Structure Excavation	Cu. Yd.		95.9	95.9
Concrete Structures	Cu. Yd.		29.8	29.8
Concrete Superstructure	Cu. Yd.	279.7		279.7
Bridge Deck Grooving	Sq. Yd.	497		497
Protective Coat	Sq. Yd.	700		700
Concrete Superstructure (Approach Slab)	Cu. Yd.	71		71
Reinforcement Bars, Epoxy Coated	Pound	158,060	5,090	163,150
Aluminum Railing, Type L	Foot	141		141
Steel Railing, Type T1	Foot	145		145
Name Plates	Each	1		1
Granular Backfill for Structures	Cu. Yd.		83	83
Geocomposite Wall Drain	Sq. Yd.		57	57
Terminal Marker - Direct Applied	Each	2		2
Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)	Sq. Ft.		40	40
Pipe Underdrains for Structures 4"	Foot		137	137



SECTION THRU ABUTMENT
(Horizontal dimensions at Rt. L's)

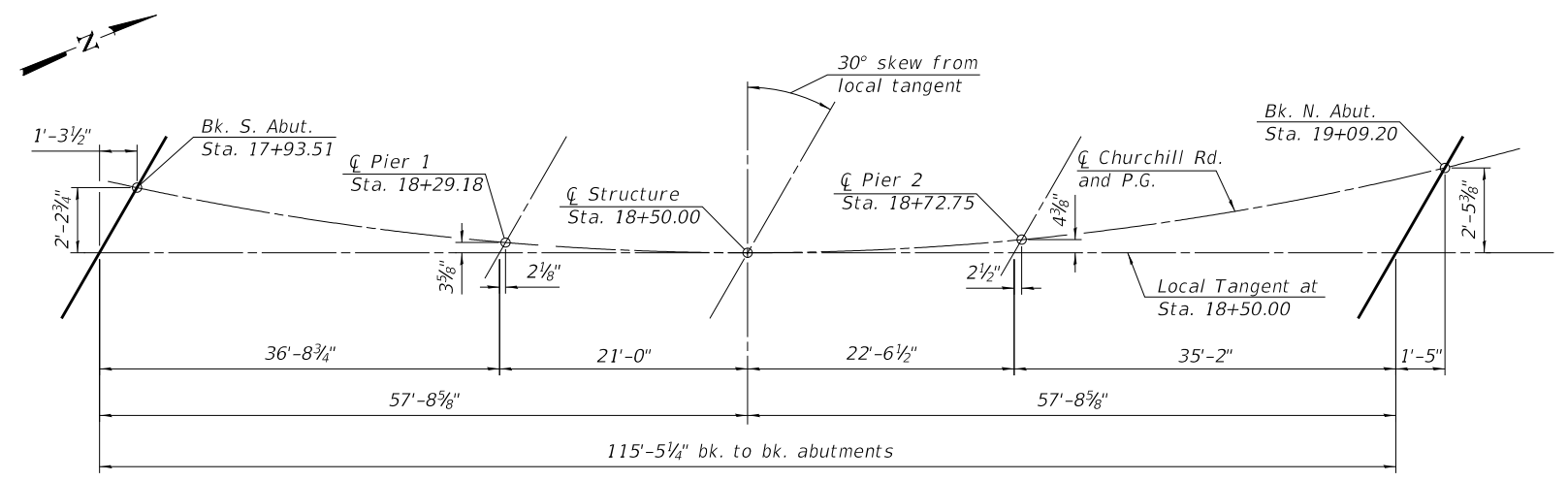
* Included in the cost of Pipe Underdrains for Structures. (See Special Provisions)

All drainage system components shall extend to 2'-0" from the end of each wingwall sloping east to west except an outlet pipe shall extend on the west side until intersecting with the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101).

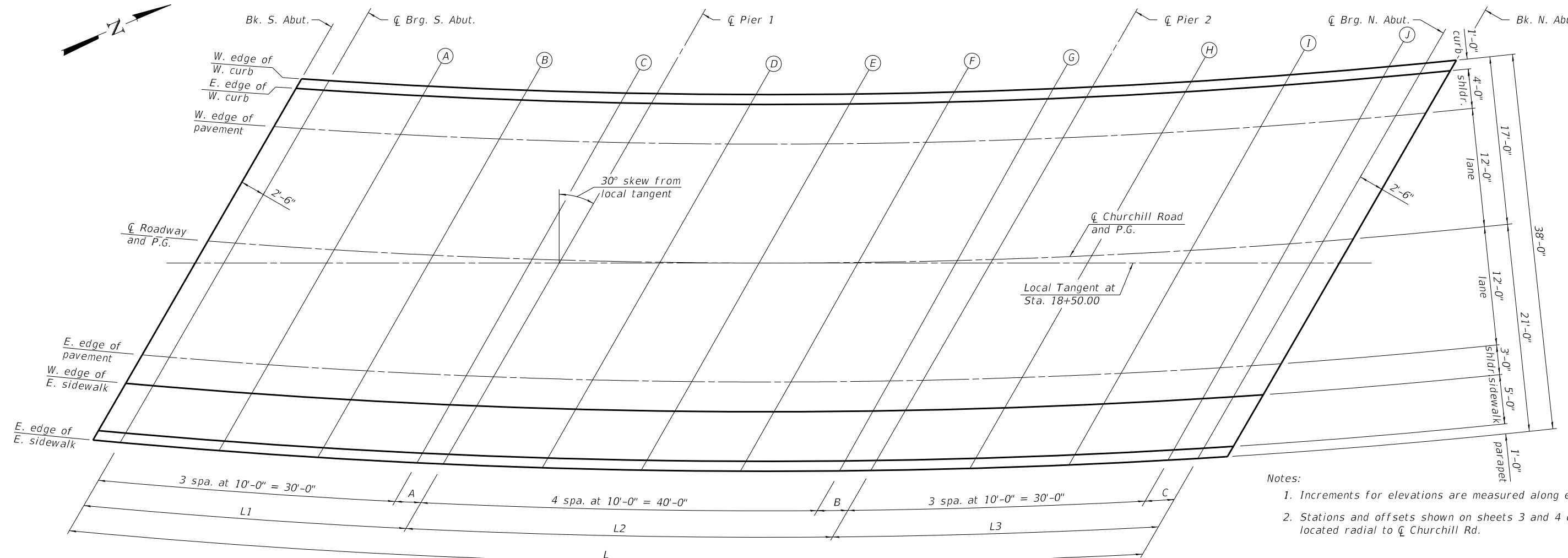


CURVE DATA

P.I. Sta. = 16+58.58
 $\Delta = 60^\circ 13' 20"$ (Lt.)
 $D = 8^\circ 00' 00"$
 $R = 716.20'$
 $T = 415.35'$
 $L = 752.78'$
 $E = 111.72'$
 $S.E. Run = 2.08\%$
 $P.C. Sta. 12+43.23$
 $P.T. Sta. 19+96.01$



FILE NAME: C:\SP\WHKS & COL\Jobs-Spring - Projects\Springfield City at 6941 Churchill Rd\CADD\CAD_Sheets\084_6000-00000.dgn

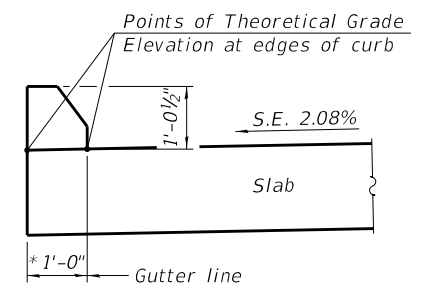


- Notes:
1. Increments for elevations are measured along each line.
 2. Stations and offsets shown on sheets 3 and 4 of 28 are located radial to \bar{C} Churchill Rd.

SCREED DIMENSION LAYOUT

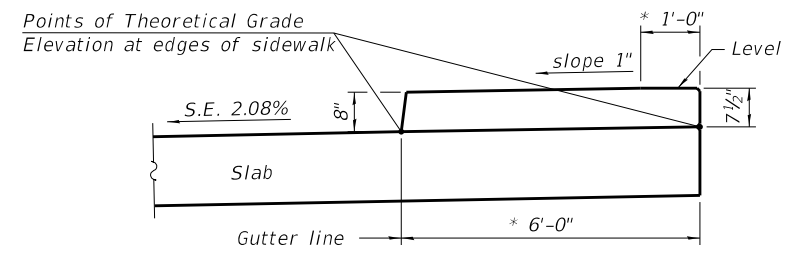
Location	L	L1	L2	L3	A	B	C
W. edge of W. curb	110'-9 $\frac{1}{8}$ "	33'-1 $\frac{3}{8}$ "	43'-11 $\frac{1}{4}$ "	33'-9 $\frac{1}{4}$ "	3'-1 $\frac{3}{8}$ "	3'-11 $\frac{1}{4}$ "	3'-9 $\frac{1}{4}$ "
E. edge of W. curb	110'-9 $\frac{1}{8}$ "	33'-1 $\frac{1}{4}$ "	43'-11"	33'-8 $\frac{7}{8}$ "	3'-1 $\frac{1}{4}$ "	3'-11"	3'-8 $\frac{7}{8}$ "
W. edge of pavement	110'-6 $\frac{3}{8}$ "	33'-0 $\frac{5}{8}$ "	43'-9 $\frac{7}{8}$ "	33'-7 $\frac{7}{8}$ "	3'-0 $\frac{5}{8}$ "	3'-9 $\frac{7}{8}$ "	3'-7 $\frac{7}{8}$ "
\bar{C} Roadway and P.G.	109'-10 $\frac{5}{8}$ "	32'-10 $\frac{7}{8}$ "	43'-6 $\frac{7}{8}$ "	33'-4 $\frac{7}{8}$ "	2'-10 $\frac{7}{8}$ "	3'-6 $\frac{7}{8}$ "	3'-4 $\frac{7}{8}$ "
E. edge of pavement	109'-3 $\frac{1}{4}$ "	32'-9 $\frac{1}{8}$ "	43'-4"	33'-2 $\frac{1}{8}$ "	2'-9 $\frac{1}{8}$ "	3'-4"	3'-2 $\frac{1}{8}$ "
W. edge of E. sidewalk	109'-1 $\frac{3}{8}$ "	32'-8 $\frac{3}{4}$ "	43'-3 $\frac{3}{8}$ "	33'-1 $\frac{1}{2}$ "	2'-8 $\frac{3}{4}$ "	2'-3 $\frac{3}{8}$ "	3'-1 $\frac{1}{2}$ "
E. edge of E. sidewalk	108'-10 $\frac{1}{8}$ "	32'-8"	43'-2"	33'-0 $\frac{1}{8}$ "	2'-8"	3'-2"	3'-0 $\frac{1}{8}$ "

PLAN



SECTION THRU CURB
(Railing not shown for clarity.)

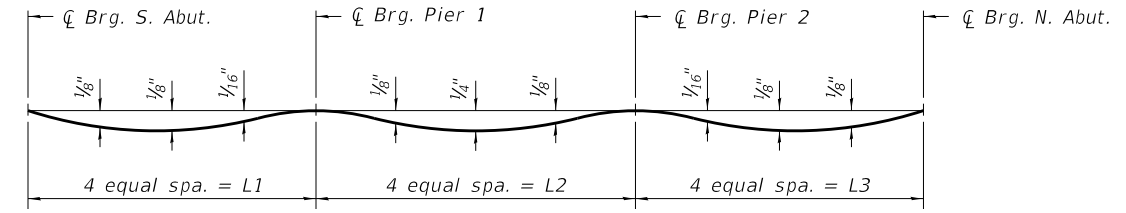
* Radial to \bar{C} Churchill Rd.



SECTION THRU SIDEWALK
(Parapet and Railing not shown for clarity.)

WEST EDGE OF WEST CURB

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	18+01.83	-17.00	545.15	545.15
\bar{C} Brg. S. Abut.	18+04.68	-17.00	545.16	545.16
A	18+14.93	-17.00	545.19	545.20
B	18+25.17	-17.00	545.23	545.24
C	18+35.42	-17.00	545.27	545.27
\bar{C} Brg. Pier 1	18+38.61	-17.00	545.28	545.28
D	18+48.85	-17.00	545.32	545.33
E	18+59.09	-17.00	545.35	545.37
F	18+69.33	-17.00	545.39	545.41
G	18+79.58	-17.00	545.43	545.43
\bar{C} Brg. Pier 2	18+83.61	-17.00	545.44	545.44
H	18+93.85	-17.00	545.48	545.49
I	19+04.10	-17.00	545.52	545.53
J	19+14.34	-17.00	545.55	545.55
\bar{C} Brg. N. Abut.	19+18.20	-17.00	545.56	545.56
Bk. N. Abut.	19+21.34	-17.00	545.57	545.57



DEAD LOAD DEFLECTION DIAGRAM
(Includes weight of concrete only.)

Note:
The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown on sheets 3 and 4 of 28.

FILE NAME: C:\SP\WHKS & COL\Jobs-Spring - Projects\Springfield City at 08941 Churchill Rd\CADD\CAD_Sheets\084_6000-00000.dgn



USER NAME = dheberling	DESIGNED - SBC	REVISED -
PLOT DATE = 10/28/2021	CHECKED - BRD	REVISED -
PLOT DATE = 10:13:21 AM	DRAWN - DLH	REVISED -
	CHECKED - SBC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF DECK ELEVATION PLAN
STRUCTURE NO. 084-6000

SHEET 3 OF 28 SHEETS

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1920	19-00487-00-BR	SANGAMON	60	17
CONTRACT NO. 93777				
ILLINOIS FED. AID PROJECT				

EAST EDGE OF WEST CURB

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	18+01.33	-16.00	545.17	545.17
Q Brg. S. Abut.	18+04.18	-16.00	545.18	545.18
A	18+14.41	-16.00	545.21	545.22
B	18+24.63	-16.00	545.25	545.26
C	18+34.86	-16.00	545.29	545.29
Q Brg. Pier 1	18+38.04	-16.00	545.30	545.30
D	18+48.26	-16.00	545.34	545.35
E	18+58.49	-16.00	545.37	545.39
F	18+68.72	-16.00	545.41	545.43
G	18+78.95	-16.00	545.45	545.45
Q Brg. Pier 2	18+82.95	-16.00	545.46	545.46
H	18+93.18	-16.00	545.50	545.51
I	19+03.41	-16.00	545.53	545.54
J	19+13.64	-16.00	545.57	545.57
Q Brg. N. Abut.	19+17.47	-16.00	545.58	545.58
Bk. N. Abut.	19+20.61	-16.00	545.59	545.59

WEST EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	17+99.33	-12.00	545.24	545.24
Q Brg. S. Abut.	18+02.17	-12.00	545.25	545.25
A	18+12.34	-12.00	545.29	545.30
B	18+22.51	-12.00	545.33	545.34
C	18+32.68	-12.00	545.36	545.36
Q Brg. Pier 1	18+35.78	-12.00	545.37	545.37
D	18+45.95	-12.00	545.41	545.42
E	18+56.12	-12.00	545.45	545.47
F	18+66.29	-12.00	545.48	545.50
G	18+76.46	-12.00	545.52	545.52
Q Brg. Pier 2	18+80.35	-12.00	545.53	545.53
H	18+90.52	-12.00	545.57	545.58
I	19+00.69	-12.00	545.61	545.62
J	19+10.86	-12.00	545.64	545.64
Q Brg. N. Abut.	19+14.58	-12.00	545.66	545.66
Bk. N. Abut.	19+17.70	-12.00	545.66	545.66

CENTERLINE OF ROADWAY AND PROFILE GRADE

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	17+93.51	0.00	545.47	545.47
Q Brg. S. Abut.	17+96.28	0.00	545.48	545.48
A	18+06.28	0.00	545.52	545.53
B	18+16.28	0.00	545.55	545.56
C	18+26.28	0.00	545.59	545.59
Q Brg. Pier 1	18+29.18	0.00	545.60	545.60
D	18+39.18	0.00	545.64	545.65
E	18+49.18	0.00	545.67	545.69
F	18+59.18	0.00	545.71	545.73
G	18+69.18	0.00	545.74	545.74
Q Brg. Pier 2	18+72.75	0.00	545.76	545.76
H	18+82.75	0.00	545.79	545.80
I	18+92.75	0.00	545.83	545.84
J	19+02.75	0.00	545.86	545.86
Q Brg. N. Abut.	19+06.16	0.00	545.88	545.88
Bk. N. Abut.	19+09.20	0.00	545.89	545.89

EAST EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	17+87.89	12.00	545.68	545.68
Q Brg. S. Abut.	17+90.61	12.00	545.70	545.70
A	18+00.44	12.00	545.75	545.76
B	18+10.28	12.00	545.78	545.79
C	18+20.11	12.00	545.82	545.82
Q Brg. Pier 1	18+22.83	12.00	545.83	545.83
D	18+32.67	12.00	545.86	545.87
E	18+42.52	12.00	545.90	545.92
F	18+52.36	12.00	545.93	545.95
G	18+62.17	12.00	545.97	545.97
Q Brg. Pier 2	18+65.45	12.00	545.98	545.98
H	18+75.29	12.00	546.02	546.03
I	18+85.13	12.00	546.05	546.06
J	18+94.98	12.00	546.09	546.09
Q Brg. N. Abut.	18+98.08	12.00	546.10	546.10
Bk. N. Abut.	19+01.05	12.00	546.11	546.11

WEST EDGE OF EAST SIDEWALK

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	17+86.52	15.00	545.74	545.74
Q Brg. S. Abut.	17+89.22	15.00	545.76	545.76
A	17+99.02	15.00	545.80	545.81
B	18+08.81	15.00	545.84	545.85
C	18+18.62	15.00	545.87	545.87
Q Brg. Pier 1	18+21.28	15.00	545.88	545.88
D	18+31.08	15.00	545.92	545.93
E	18+40.87	15.00	545.95	545.97
F	18+50.67	15.00	545.99	546.01
G	18+60.46	15.00	546.02	546.02
Q Brg. Pier 2	18+63.67	15.00	546.04	546.04
H	18+73.47	15.00	546.07	546.08
I	18+83.26	15.00	546.11	546.12
J	18+93.06	15.00	546.14	546.14
Q Brg. N. Abut.	18+96.11	15.00	546.15	546.15
Bk. N. Abut.	18+99.06	15.00	546.16	546.16

EAST EDGE OF EAST SIDEWALK

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	17+83.82	21.00	545.85	545.85
Q Brg. S. Abut.	17+86.49	21.00	545.86	545.86
A	17+96.21	21.00	545.92	545.93
B	18+05.92	21.00	545.95	545.96
C	18+15.65	21.00	545.99	545.99
Q Brg. Pier 1	18+18.23	21.00	546.00	546.00
D	18+27.94	21.00	546.03	546.04
E	18+37.66	21.00	546.07	546.09
F	18+47.37	21.00	546.10	546.12
G	18+57.09	21.00	546.14	546.14
Q Brg. Pier 2	18+60.16	21.00	546.15	546.15
H	18+69.88	21.00	546.18	546.19
I	18+79.59	21.00	546.22	546.23
J	18+89.31	21.00	546.25	546.25
Q Brg. N. Abut.	18+92.24	21.00	546.26	546.26
Bk. N. Abut.	18+95.15	21.00	546.28	546.28

FILE NAME: C:\SP\WHKS & COLABS\Spring - Projects\Springfield City 018941 Church Hill Rd\CADD\CAD_Sheets\084_6000-00000.dgn

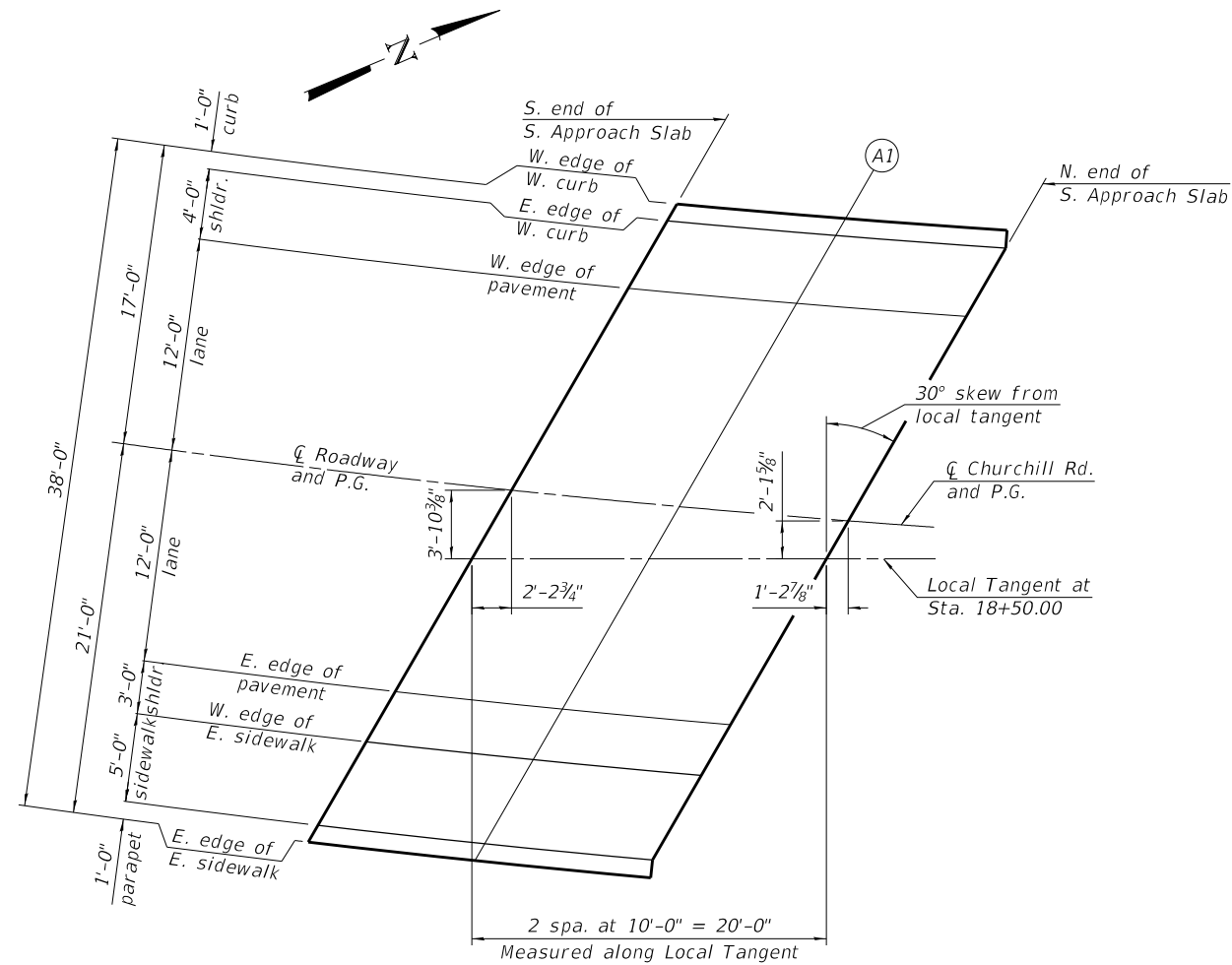


USER NAME = dheberling	DESIGNED - SBC	REVISED -
PLOT DATE = 10/28/2021	CHECKED - BRD	REVISED -
PLOT DATE = 10:13:22 AM	DRAWN - DLH	REVISED -
	CHECKED - SBC	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TOP OF DECK ELEVATIONS
STRUCTURE NO. 084-6000**

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1920	19-00487-00-BR	SANGAMON	60	18
CONTRACT NO. 93777				
ILLINOIS FED. AID PROJECT				



PLAN

WEST EDGE OF WEST CURB

Location	Station	Offset	Theoretical Grade Elevations
S. End of S. Approach	17+83.32	-17.00	545.05
A1	17+93.11	-17.00	545.11
N. End of S. Approach	18+02.47	-17.00	545.15

EAST EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
S. End of S. Approach	17+70.28	12.00	545.58
A1	17+79.60	12.00	545.63
N. End of S. Approach	17+88.98	12.00	545.69

EAST EDGE OF WEST CURB

Location	Station	Offset	Theoretical Grade Elevations
S. End of S. Approach	17+82.85	-16.00	545.07
A1	17+92.63	-16.00	545.13
N. End of S. Approach	18+02.47	-16.00	545.17

WEST EDGE OF EAST SIDEWALK

Location	Station	Offset	Theoretical Grade Elevations
S. End of S. Approach	17+68.99	15.00	545.63
A1	17+78.27	15.00	545.69
N. End of S. Approach	17+87.60	15.00	545.75

WEST EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
S. End of S. Approach	17+80.99	-12.00	545.14
A1	17+90.69	-12.00	545.20
N. End of S. Approach	18+00.47	-12.00	545.25

EAST EDGE OF EAST SIDEWALK

Location	Station	Offset	Theoretical Grade Elevations
S. End of S. Approach	17+66.46	21.00	545.74
A1	17+75.64	21.00	545.80
N. End of S. Approach	17+85.33	21.00	545.86

CENTERLINE OF ROADWAY AND PROFILE GRADE

Location	Station	Offset	Theoretical Grade Elevations
S. End of S. Approach	17+75.53	0.00	545.36
A1	17+85.05	0.00	545.42
N. End of S. Approach	17+94.62	0.00	545.47

Notes:

1. Stations and offsets shown are located radial to $\text{\textcircled{C}}$ Churchill Rd.
2. See sheet 3 of 28 for section thru sidewalk and section thru curb.

FILE NAME: C:\SP\WHKS & COL\Jobs-Spring - Projects\Springfield City 018941 Churchill Rd\CADD\CAD_Sheets\084_6000-00000.dgn



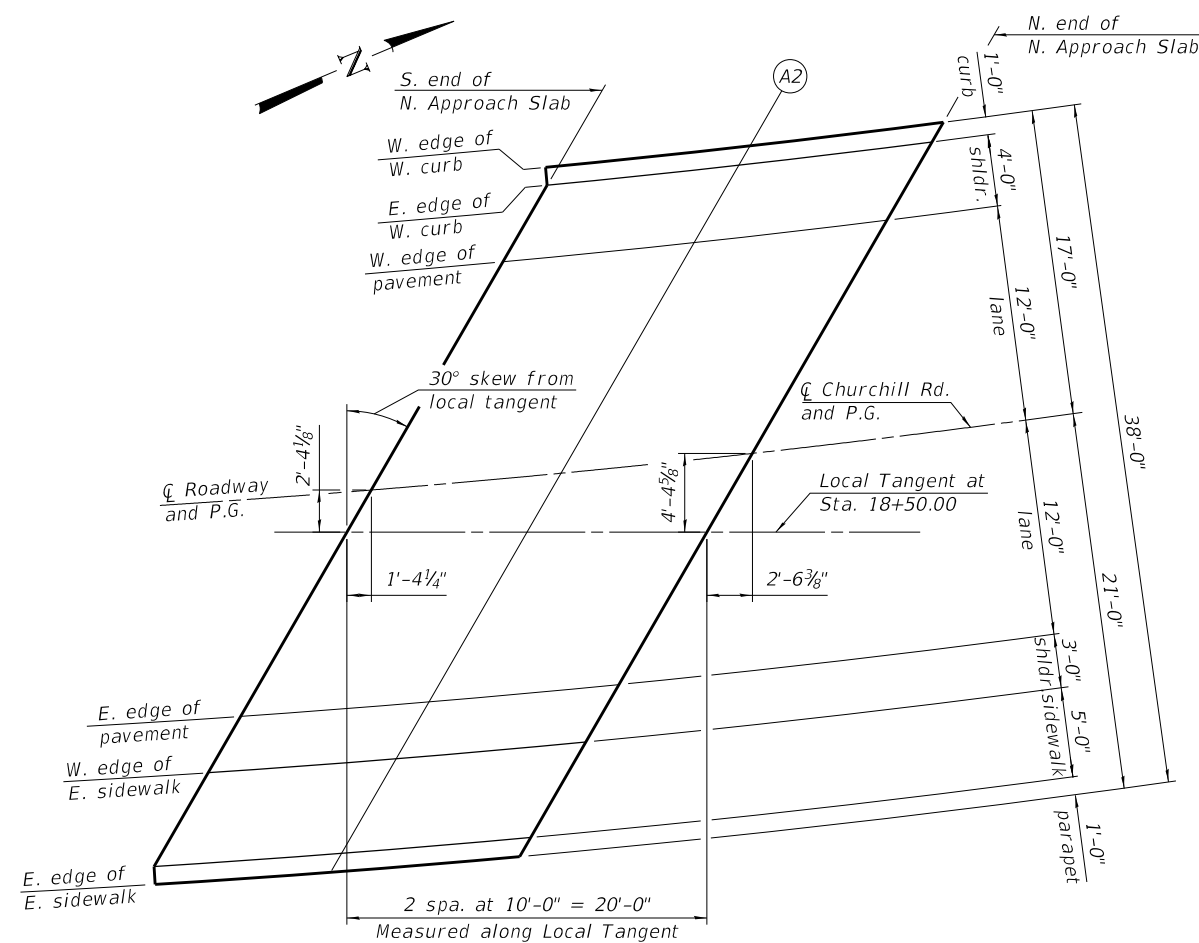
USER NAME = dheberling	DESIGNED - SBC	REVISED -
PLOT DATE = 10/28/2021	CHECKED - BRD	REVISED -
PLOT DATE = 10:13:22 AM	DRAWN - DLH	REVISED -
	CHECKED - SBC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOUTH APPROACH SLAB TOP OF DECK ELEVATIONS
STRUCTURE NO. 084-6000

SHEET 5 OF 28 SHEETS

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1920	19-00487-00-BR	SANGAMON	60	19
CONTRACT NO. 93777				
ILLINOIS FED. AID PROJECT				



PLAN

WEST EDGE OF WEST CURB

Location	Station	Offset	Theoretical Grade Elevations
S. End of N. Approach	19+19.35	-17.00	545.56
A2	19+31.16	-17.00	545.61
N. End of N. Approach	19+42.15	-17.00	545.68

EAST EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
S. End of N. Approach	18+99.86	12.00	546.10
A2	19+10.18	12.00	546.14
N. End of N. Approach	19+20.61	12.00	546.17

EAST EDGE OF WEST CURB

Location	Station	Offset	Theoretical Grade Elevations
S. End of N. Approach	19+19.35	-16.00	545.58
A2	19+30.30	-16.00	545.62
N. End of N. Approach	19+41.37	-16.00	545.69

WEST EDGE OF EAST SIDEWALK

Location	Station	Offset	Theoretical Grade Elevations
S. End of N. Approach	18+97.88	15.00	546.16
A2	19+08.14	15.00	546.20
N. End of N. Approach	19+18.51	15.00	546.23

WEST EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
S. End of N. Approach	19+16.45	-12.00	545.66
A2	19+27.30	-12.00	545.69
N. End of N. Approach	19+38.28	-12.00	545.76

EAST EDGE OF EAST SIDEWALK

Location	Station	Offset	Theoretical Grade Elevations
S. End of N. Approach	18+94.63	21.00	546.27
A2	19+04.18	21.00	546.31
N. End of N. Approach	19+14.36	21.00	546.34

CENTERLINE OF ROADWAY AND PROFILE GRADE

Location	Station	Offset	Theoretical Grade Elevations
S. End of N. Approach	19+07.98	0.00	545.88
A2	19+18.56	0.00	545.91
N. End of N. Approach	19+29.26	0.00	545.95

Notes:

1. Stations and offsets shown are located radial to \bar{C} Churchill Rd.
2. See sheet 3 of 28 for section thru sidewalk and section thru curb.

FILE NAME: C:\SP\WHKS & CO\Jobs-Spring - Projects\Springfield City of\0841 Churchill Rd\CADD\CAD_Sheets\084_6000-00000.dgn



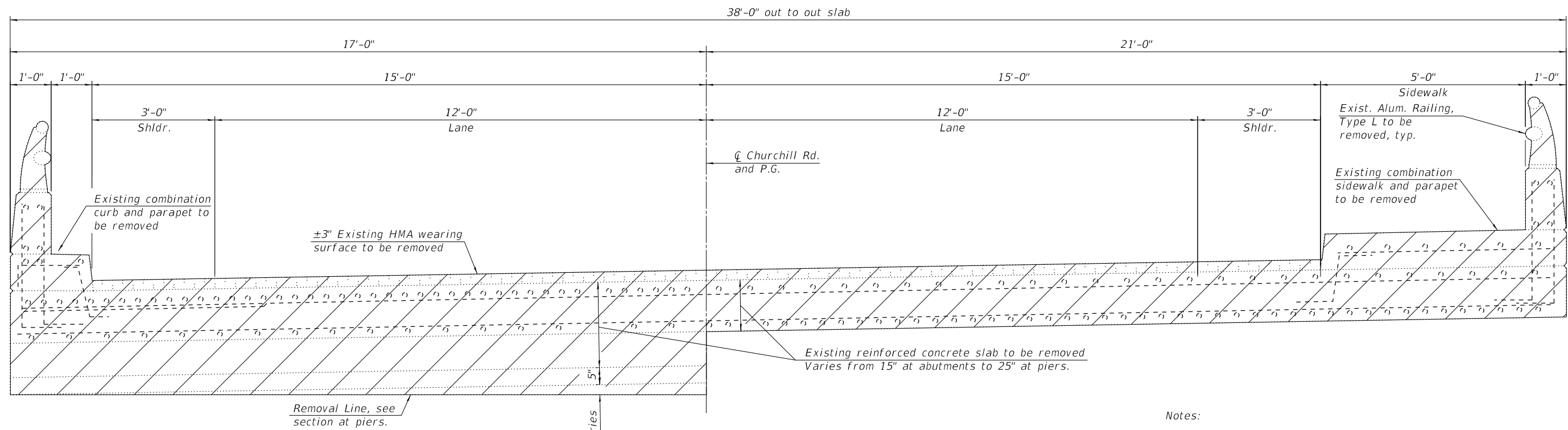
USER NAME = dheberling	DESIGNED - SBC	REVISED -
PLOT DATE = 10/28/2021	CHECKED - BRD	REVISED -
PLOT DATE = 10:13:23 AM	DRAWN - DLH	REVISED -
	CHECKED - SBC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NORTH APPROACH SLAB TOP OF DECK ELEVATIONS
STRUCTURE NO. 084-6000

SHEET 6 OF 28 SHEETS

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1920	19-00487-00-BR	SANGAMON	60	20
CONTRACT NO. 93777				
ILLINOIS FED. AID PROJECT				

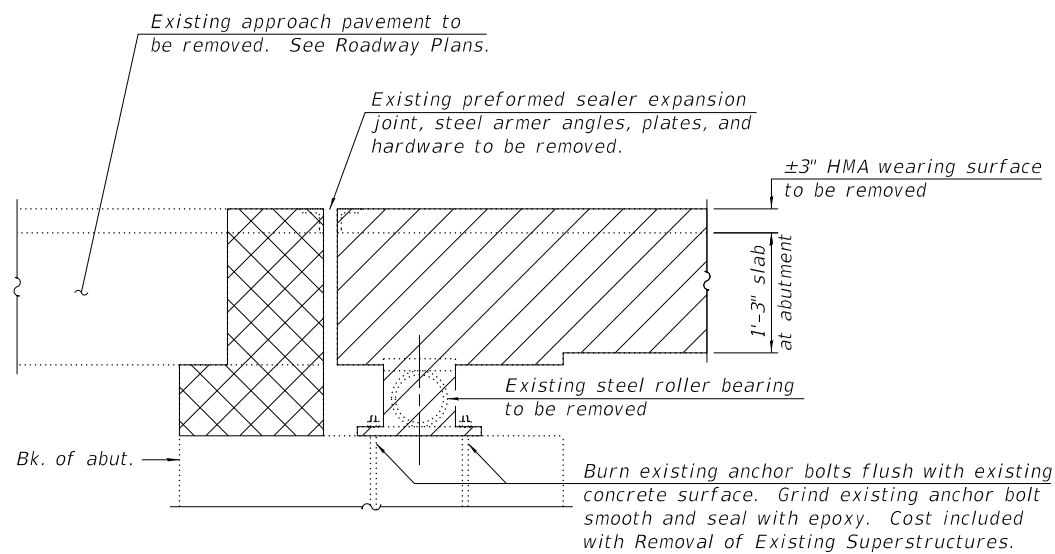


CROSS SECTION

(All horizontal dimensions are radial.)
(Looking North)

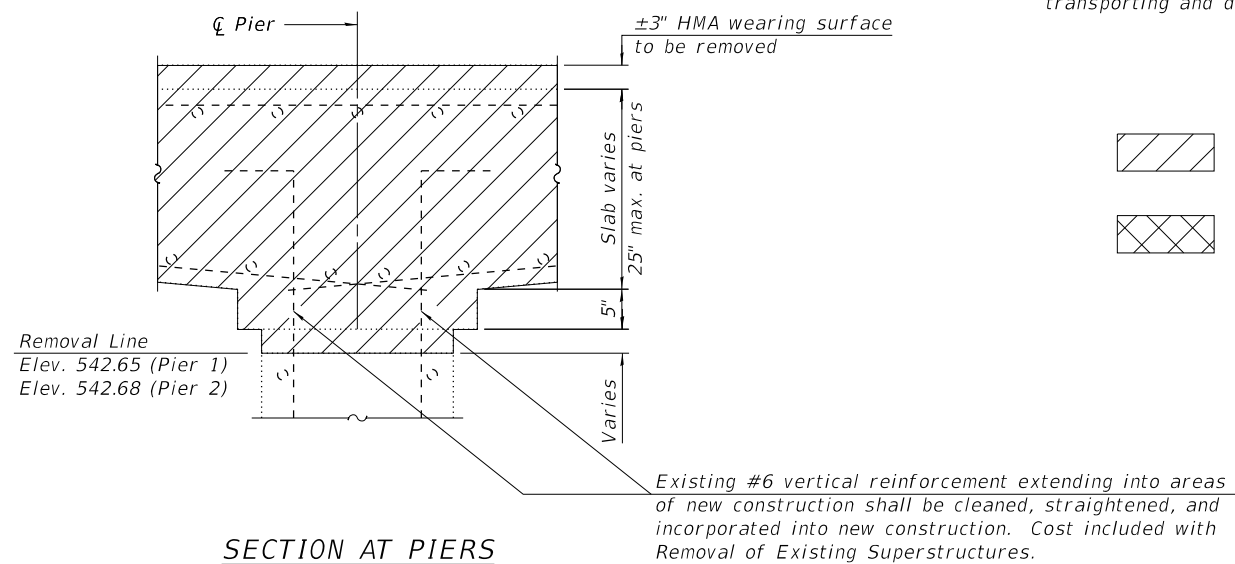
Notes:

1. The removal of the existing superstructure shall be in accordance with Article 501 of the Standard Specification, unless noted otherwise.
2. Removal of existing HMA wearing surface, aluminum railings, expansion joints, and steel roller bearings are included with Removal of Existing Superstructures. See Special Provisions.
3. Any reinforcement bars that are damaged during concrete removal operations shall be repaired or replaced using an approved bar splicer or anchorage system. Cost included with Removal of Existing Superstructures.
4. The Contractor is advised that the existing abutment bearings have lead shim plates. All necessary precautions shall be taken in removing, handling, transporting and disposing of the lead shims. See Special Provisions.



SECTION AT ABUTMENTS

(Curb, sidewalk, parapet railing not shown for clarity.)



SECTION AT PIERS

(Curb, sidewalk, parapet railing not shown for clarity.)

LEGEND

- Limits of Removal of Existing Superstructures
- Limits of Concrete Removal
See Sheet 18 of 28 for removal notes, details, and quantities.

BILL OF MATERIAL

Item	Unit	Total
Removal of Existing Superstructures	Each	1

FILE NAME: C:\SP\WHKS & COLABS-SPRING - Projects\Springfield City 018941 Churchill Rd\CADD\CAD_Sheets\084_6000-00000.dgn



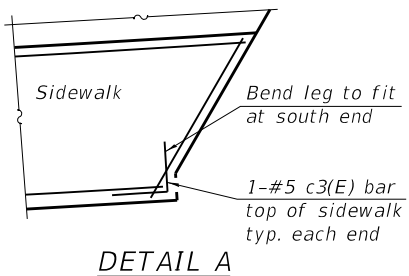
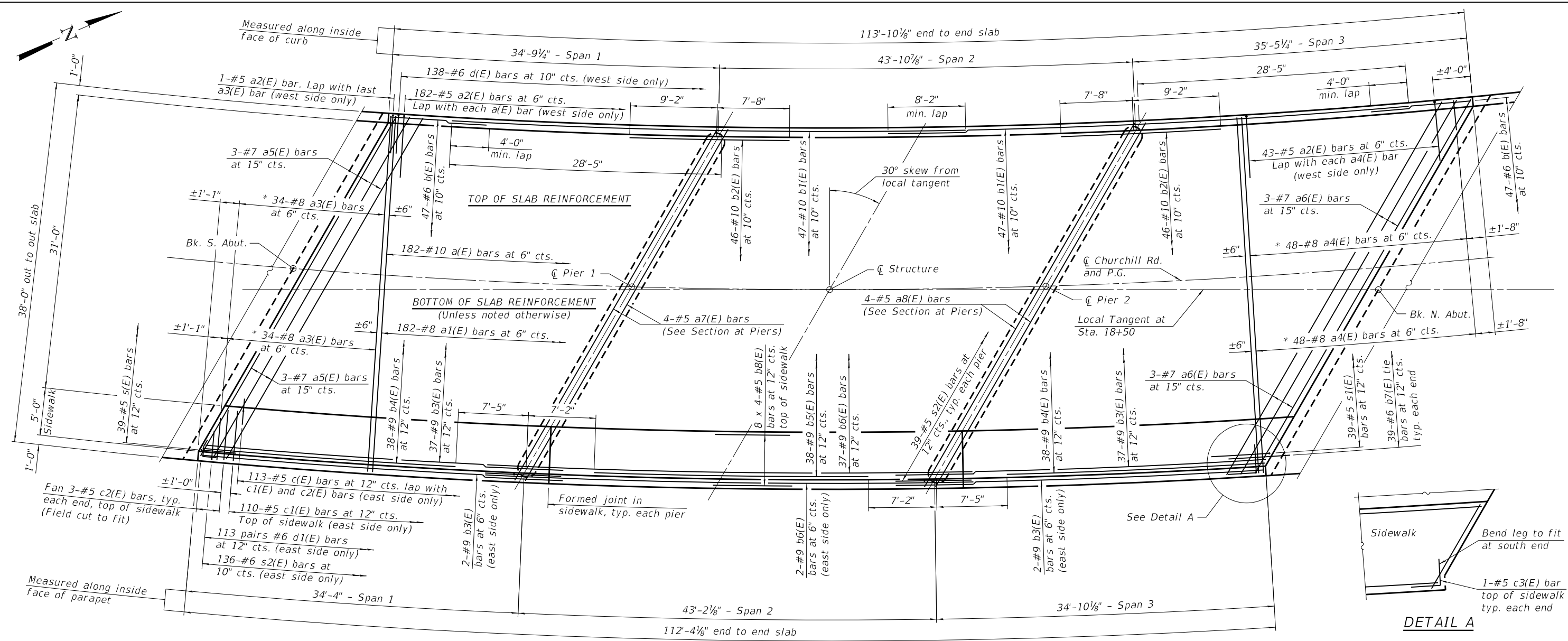
USER NAME = dheberling	DESIGNED - SBC	REVISED -
PLOT DATE = 10/28/2021	CHECKED - BRD	REVISED -
PLOT DATE = 10:13:23 AM	DRAWN - DLH	REVISED -
	CHECKED - SBC	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUPERSTRUCTURE DETAILS
STRUCTURE NO. 084-6000**

SHEET 7 OF 28 SHEETS

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1920	19-00487-00-BR	SANGAMON	60	21
CONTRACT NO. 93777				
ILLINOIS FED. AID PROJECT				



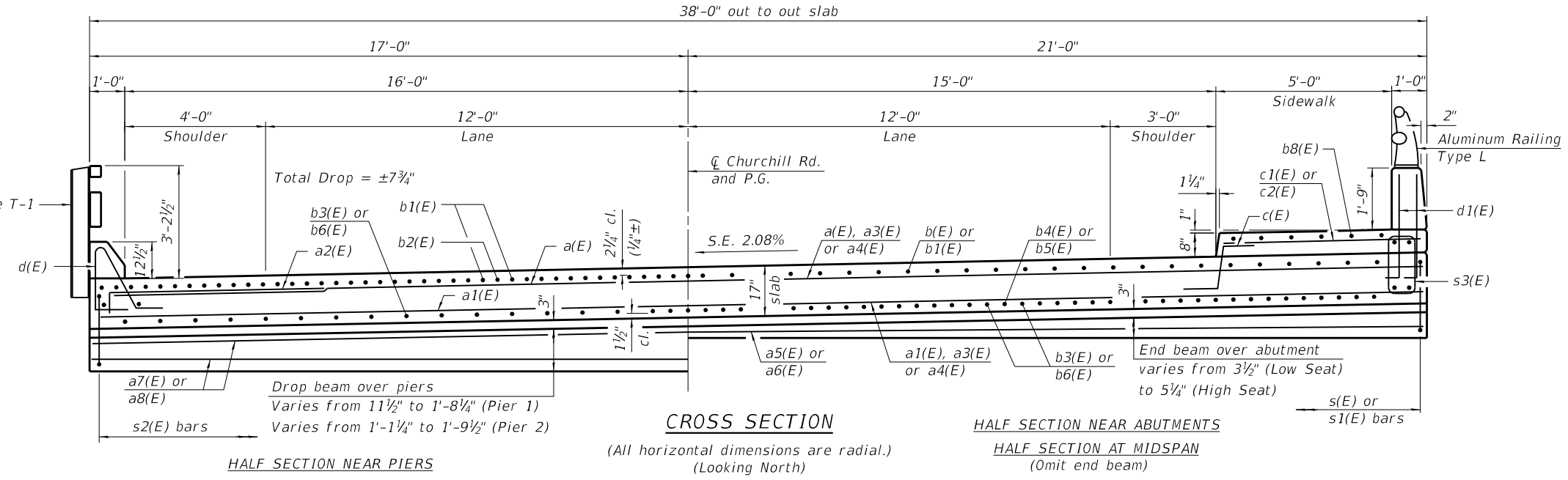
MINIMUM BAR LAP

#5 bar = 3'-0" (Sidewalk)
 #9 bar = 7'-3" (Bottom of slab)
 All other bars shown in plan.

- Notes:
1. Bend longitudinal reinforcement in the field to fit curvature.
 2. Transverse reinforcement to be placed radially and spaced along \bar{C} Churchill Rd.
 3. The s(E), s1(E) and s2(E) bars shall be placed parallel to \bar{C} Churchill Rd. Spacing for these bars shall be at right angles to \bar{C} Churchill Rd.
 4. For Section at Abutments and Section at Piers, see sheet 9 of 28.
 5. Curb reinforcement and rail anchorage shown on sheet 9 of 28.
 6. Parapet reinforcement shown on sheet 10 of 28.
 7. For additional superstructure details and Bill of Material, See sheet 10 of 28.
 8. Bars indicated thus 7 x 4-#5 etc. indicates 7 lines of bars with 4 lengths per line.

* See Field Cutting Diagram on sheet 10 of 28.

PLAN



FILE NAME: C:\SP\WHKS & CO\Jobs-Spring - Projects\Springfield City 018941 Churchill Rd\CADD\CAD_Sheets\084_6000-0000.dgn



design firm no. 184001036	USER NAME = dheberling	DESIGNED - SBC	REVISED -
		CHECKED - BRD	REVISED -
	PLOT DATE = 10/28/2021	DRAWN - DLH	REVISED -
	PLOT DATE = 10:13:23 AM	CHECKED - SBC	REVISED -

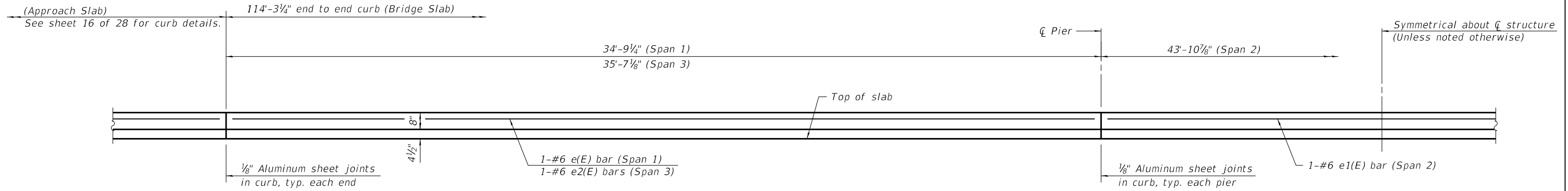
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUPERSTRUCTURE DETAILS
 STRUCTURE NO. 084-6000**

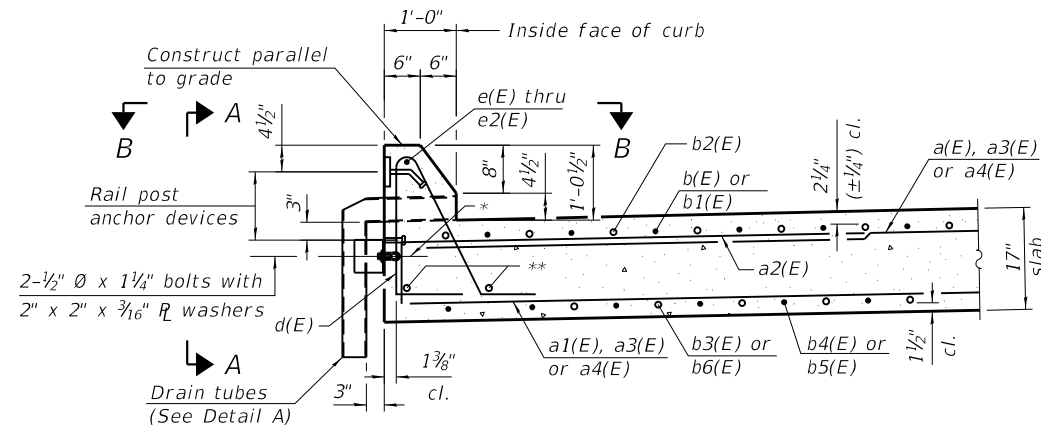
SHEET 8 OF 28 SHEETS

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1920	19-00487-00-BR	SANGAMON	60	22
CONTRACT NO. 93777				

ILLINOIS FED. AID PROJECT

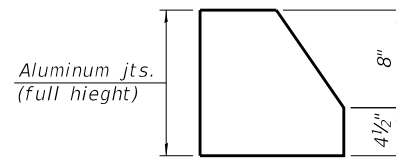


INSIDE ELEVATION OF WEST CURB
(Horizontal dimensions are measured along the inside face of curb.)

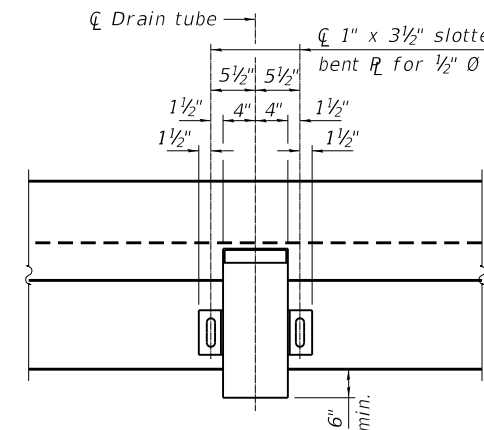


SECTION THRU WEST CURB

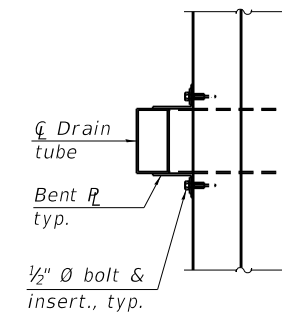
- * \bar{C} Loop Ferrule inserts for $\frac{1}{2}$ " $\bar{\phi}$ bolts. Place at \bar{C} of slab depth.
- ** One line of b3(E) and b6(E) bars shall be placed on top of each d(E) bar hook as shown.



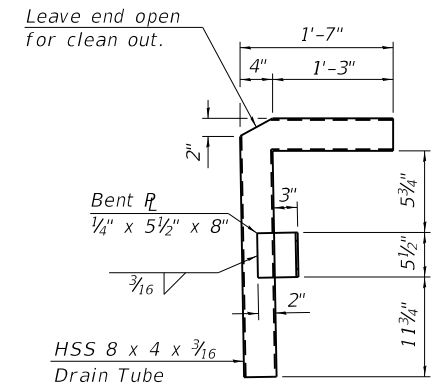
CURB JOINT DETAIL



VIEW A-A



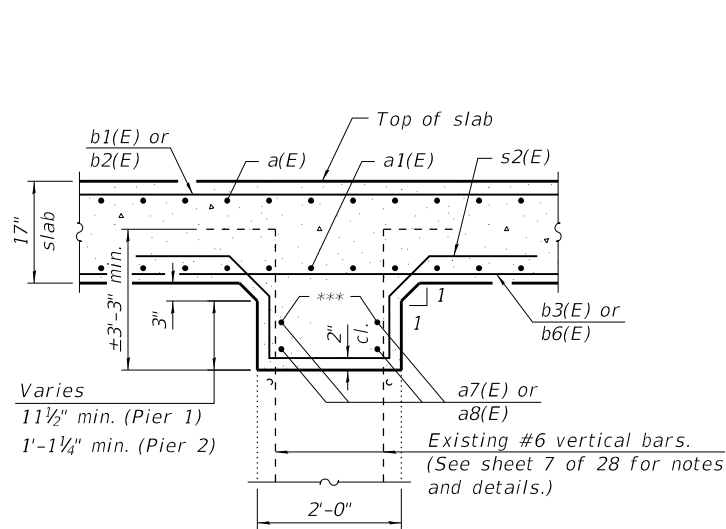
VIEW B-B



DETAIL A

Notes:

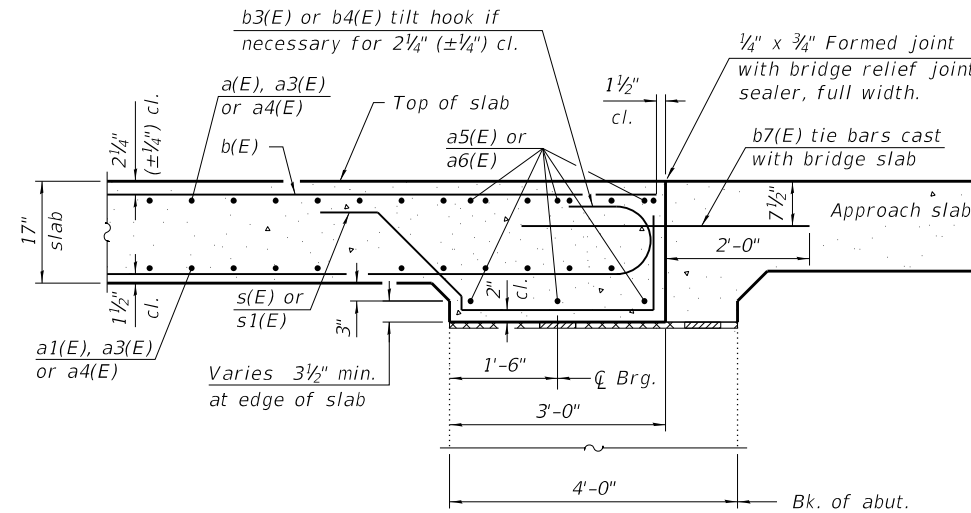
1. Drain tubes shall be placed 10ft min. from face of substructure units. Four (4) drain tubes equally spaced along face of curb shall be provided in each span (12 total required). Location and spacing shall be approved by the Engineer prior to construction.
2. Drain tubes shall be according to the requirements of ASTM A500, Grade B.
3. Drain tubes and accessories shall be galvanized according to AASHTO M111 or M232, (as applicable).
4. The cost of the drain tube assemblies and everything necessary for their installation is included with Concrete Superstructure.
5. The $\frac{1}{8}$ " Aluminum sheet shall be ASTM B 209 alloy 3003-H14 and coated to minimize reaction with wet concrete. Cost included with Concrete Superstructure.
6. Curb to be poured after slab has cured.
7. For rail post spacing and anchorage details, see sheet 12 of 28.
8. For additional superstructure details and Bill of Material, see sheet 10 of 28.



SECTION AT PIERS

(Horizontal dimensions at Rt. Δ 's)

*** Place at mid-height of proposed drop beam, typ. each face.



SECTION AT ABUTMENTS

(Horizontal dimensions at Rt. Δ 's)

FILE NAME: C:\SP\WHKS & COL\Jobs-Spring - Projects\Springfield City 018941 Churchhill Rd\CADD\CAD_Sheets\084_6000-00000.dgn



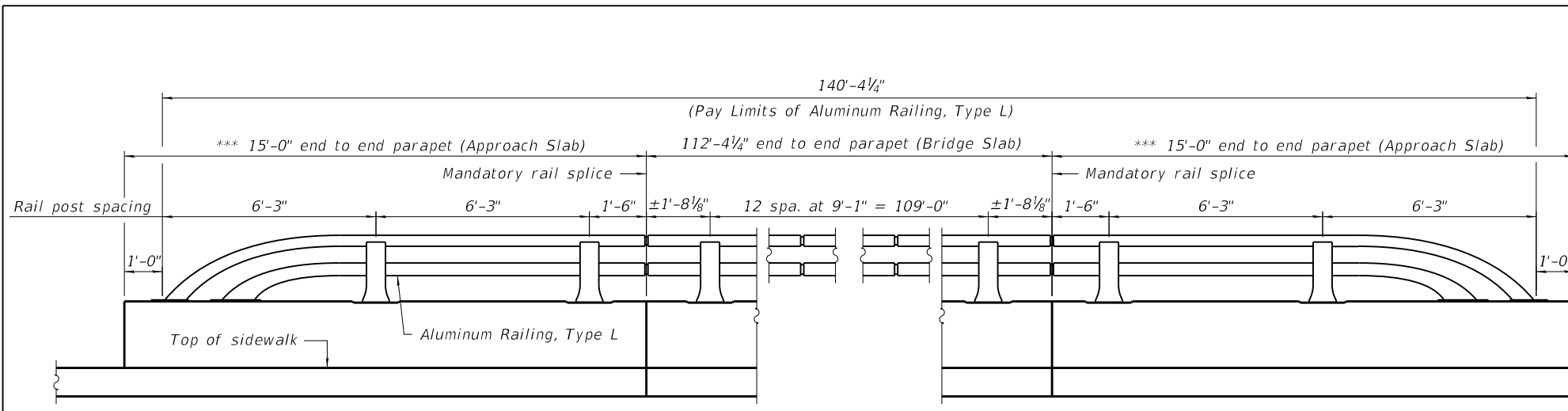
design firm no. 184001036	USER NAME = dheberling	DESIGNED - SBC	REVISED -
		CHECKED - BRD	REVISED -
	PLOT DATE = 10/28/2021	DRAWN - DLH	REVISED -
	PLOT DATE = 10:13:24 AM	CHECKED - SBC	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUPERSTRUCTURE DETAILS
STRUCTURE NO. 084-6000**

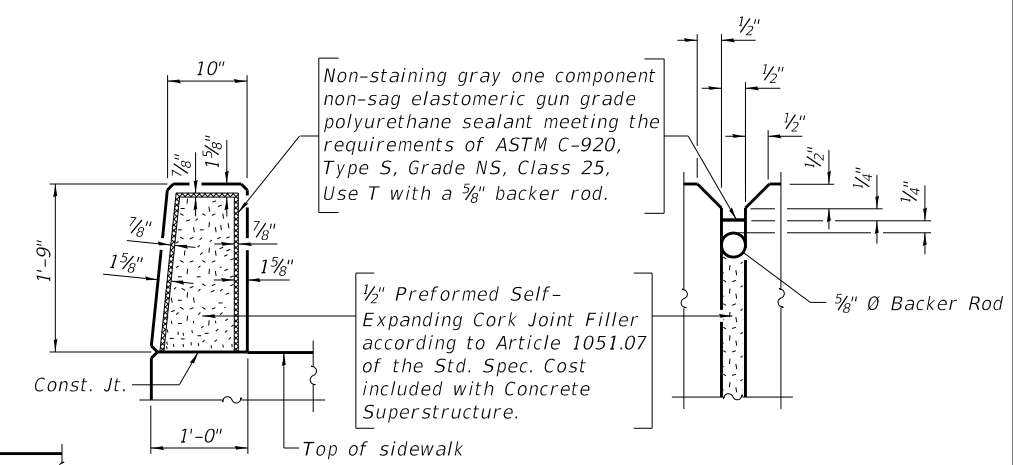
SHEET 9 OF 28 SHEETS

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1920	19-00487-00-BR	SANGAMON	60	23
CONTRACT NO. 93777				
ILLINOIS FED. AID PROJECT				



*** For approach slab railing and parapet details not shown, see sheet 16 of 28.

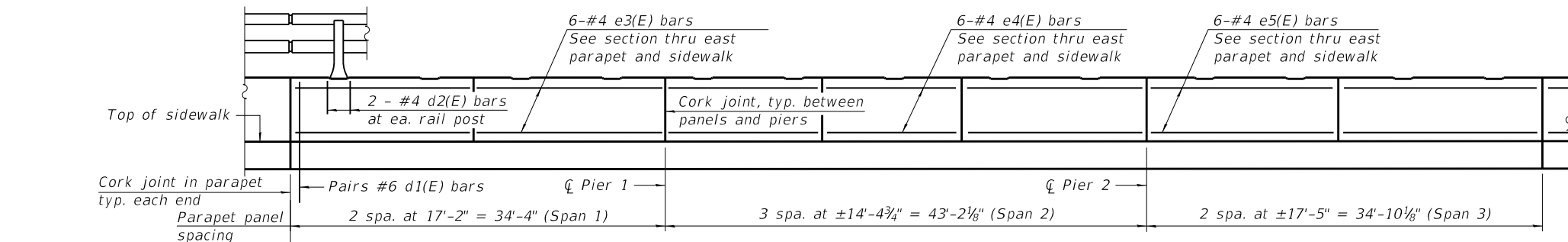
INSIDE ELEVATION OF EAST RAILING
(Horizontal dimensions are measured along the inside face of parapet.)



PARAPET JOINT DETAILS

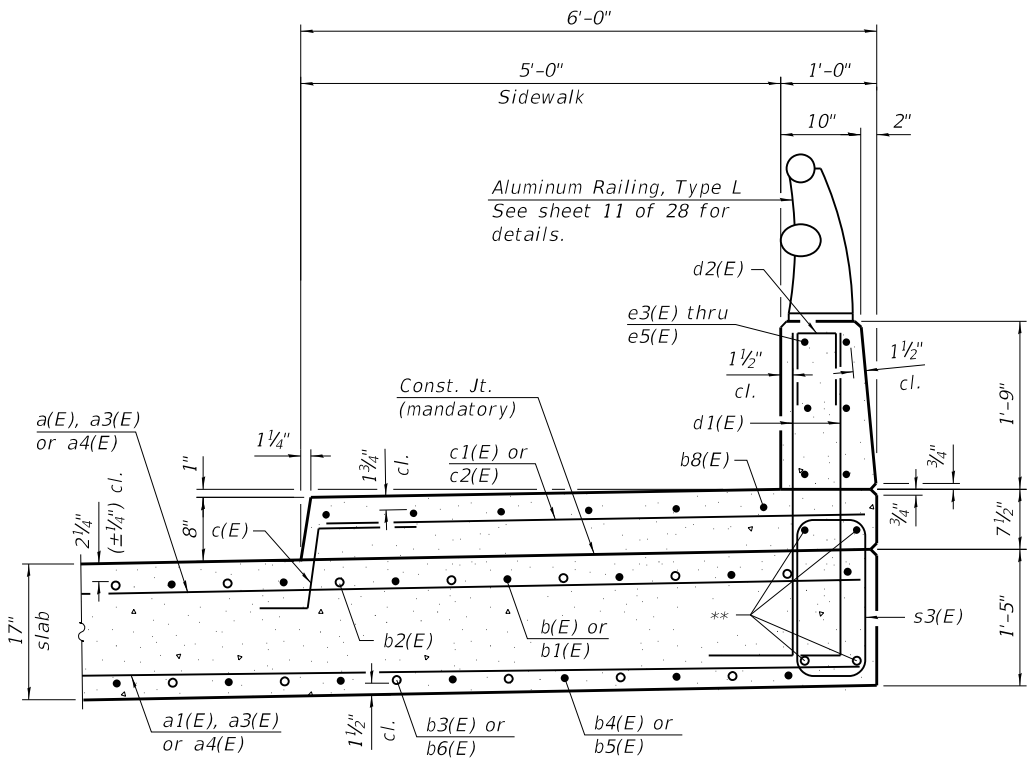
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	182	10	37'-9"	—
a1(E)	182	8	37'-9"	—
a2(E)	226	5	7'-6"	┌
a3(E)	34	8	40'-9"	—
a4(E)	48	8	40'-9"	—
a5(E)	6	5	41'-10"	—
a6(E)	6	5	45'-9"	—
a7(E)	4	5	42'-10"	—
a8(E)	4	5	44'-4"	—
b(E)	94	6	11'-1"	—
b1(E)	94	10	54'-6"	—
b2(E)	92	10	16'-10"	—
b3(E)	78	9	40'-5"	┌
b4(E)	76	9	29'-4"	┌
b5(E)	38	9	29'-7"	—
b6(E)	39	9	51'-2"	—
b7(E)	39	6	4'-0"	—
b8(E)	32	5	30'-10"	—
c(E)	113	5	3'-2"	┌
c1(E)	110	5	5'-9"	—
c2(E)	6	5	7'-0"	—
c3(E)	2	5	4'-0"	┌
d(E)	138	6	6'-8"	┌
d1(E)	226	6	4'-4"	┌
d2(E)	26	4	2'-0"	┌
e(E)	1	6	34'-6"	—
e1(E)	1	6	43'-7"	—
e2(E)	1	6	35'-4"	—
e3(E)	12	4	16'-10"	—
e4(E)	18	4	14'-1"	—
e5(E)	12	4	17'-1"	—
s(E)	39	5	7'-11"	┌
s1(E)	39	5	8'-3"	┌
s2(E)	78	5	11'-9"	┌
s3(E)	136	6	6'-1"	┌
Concrete Superstructure	Cu. Yd.		270.6	
Bridge Deck Grooving	Sq. Yd.		366	
Protective Coat	Sq. Yd.		516	
Reinforcement Bars, Epoxy Coated	Pound		127,400	

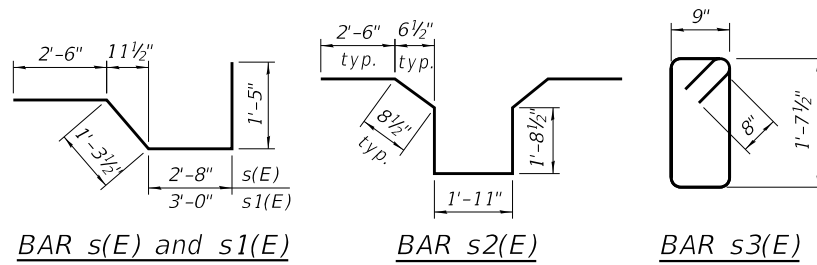
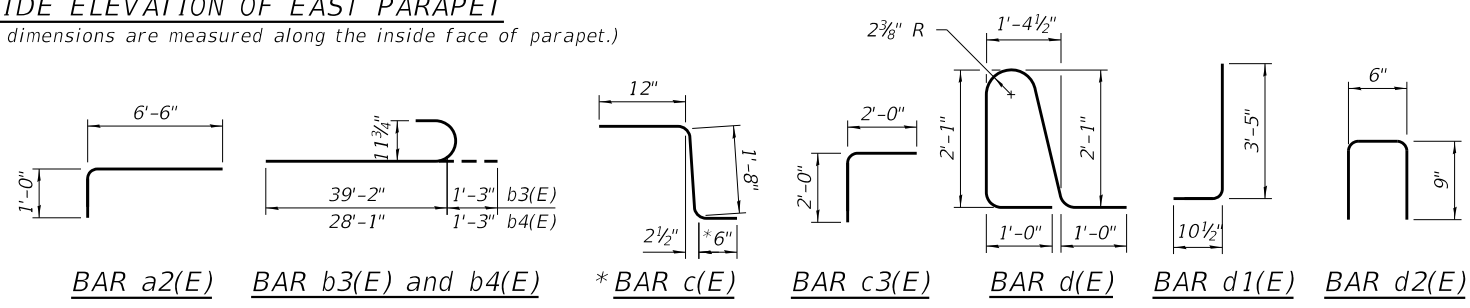


*** 15'-0" end to end parapet (Approach Slab), typ. each end

INSIDE ELEVATION OF EAST PARAPET
(Horizontal dimensions are measured along the inside face of parapet.)

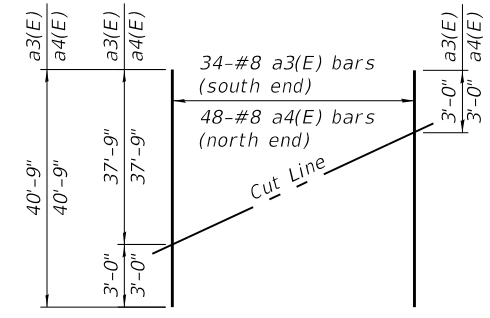


SECTION THRU EAST PARAPET AND SIDEWALK



* In lieu of bottom leg, c(E) bars may be cored and set according to Article 509.06 of the Standard Specifications. Cored holes shall be roughened or scored per manufacturer's recommendations. Maximum depth of cored hole shall not exceed 6".

** Two lines of b3(E), b6(E) and b8(E) bars shall be enclosed within the s2(E) stirrup bars as shown.



FIELD CUTTING DIAGRAM
Order a3(E) and a4(E) bars full length. Cut as shown and use remainder of bars in opposite face of slab.

FILE NAME: C:\SP\WHKS & COL\Jobs-Spring - Projects\Springfield City 018941 Churchhill Rd\CADD\CAD_Sheets\084_6000-00000.dgn



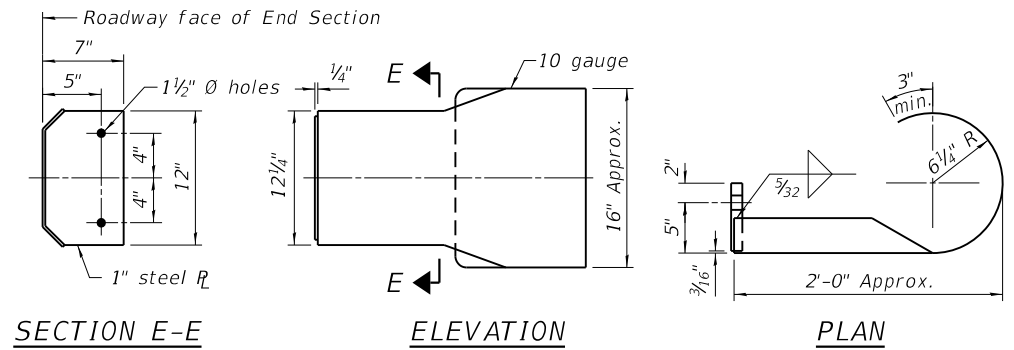
design firm no. 184001036	USER NAME = dheberling	DESIGNED - SBC	REVISED -
	PLOT DATE = 10/28/2021	CHECKED - BRD	REVISED -
	PLOT DATE = 10:13:25 AM	DRAWN - DLH	REVISED -
		CHECKED - SBC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

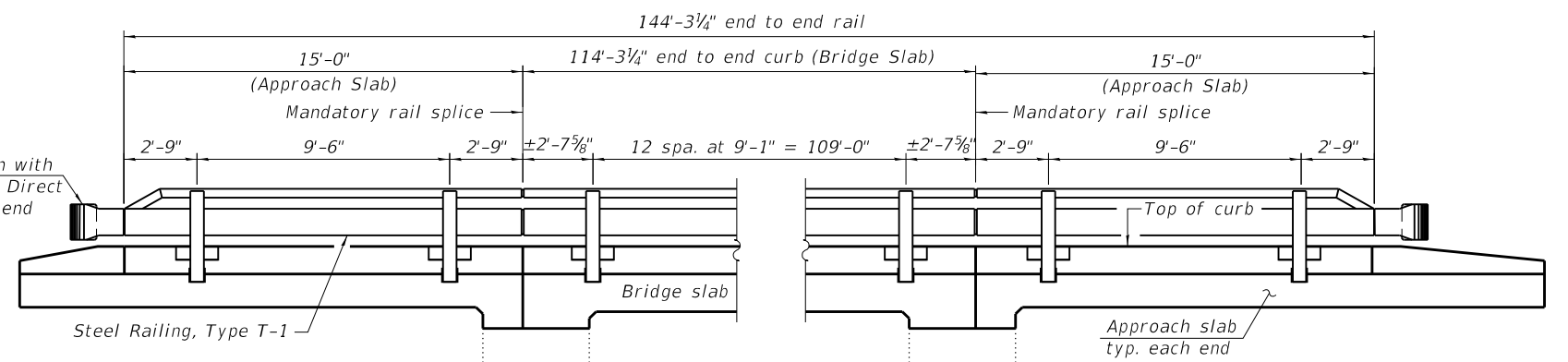
SUPERSTRUCTURE DETAILS
STRUCTURE NO. 084-6000

SHEET 10 OF 28 SHEETS

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1920	19-00487-00-BR	SANGAMON	60	24
CONTRACT NO. 93777				
ILLINOIS FED. AID PROJECT				

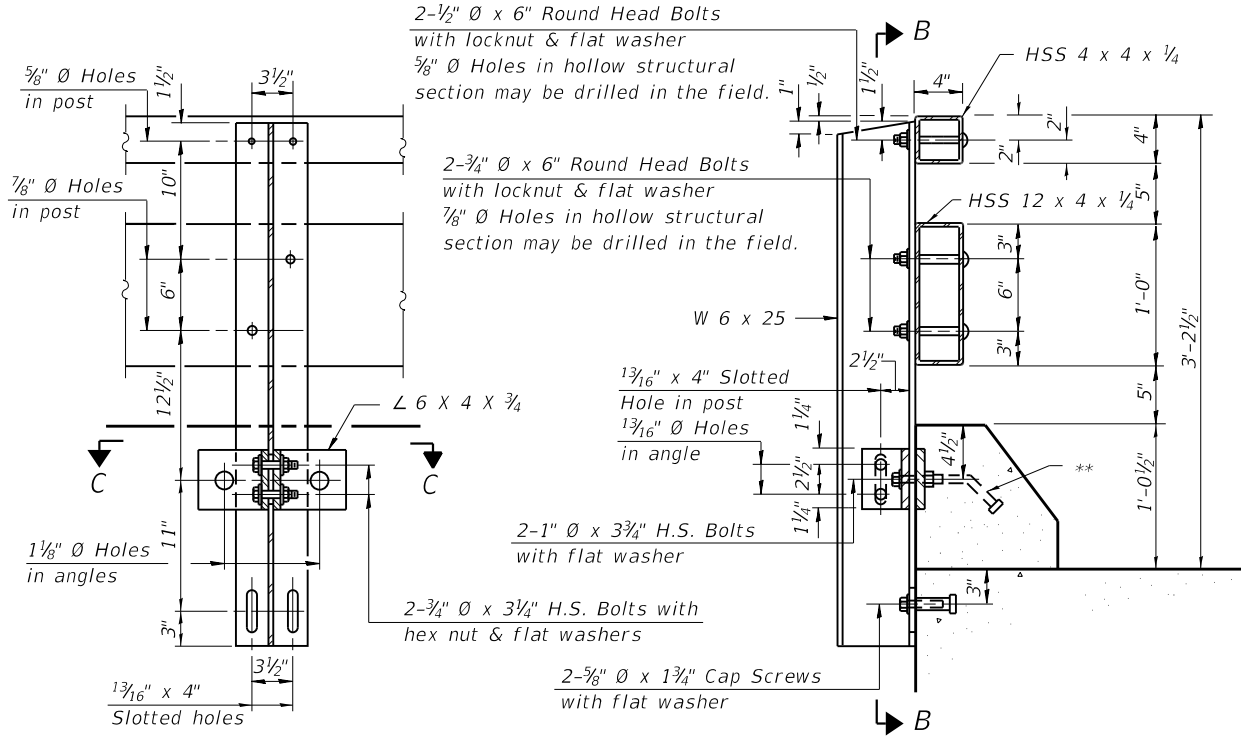


SECTION E-E
ELEVATION
PLAN
DETAILS OF CURLED END SECTION
(Cost included with Steel Railing, Type T-1)

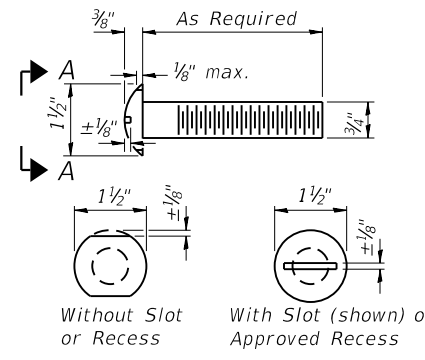


RAIL POST SPACING
(Horizontal dimensions are measured along the inside face of curb.)
(Looking East)

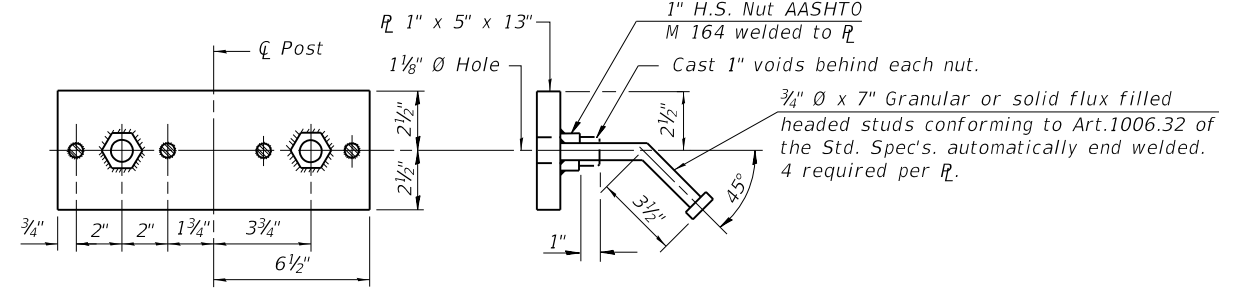
- Notes:
1. Sufficient 1#4" x 6" x 1'-5" galvanized steel shims shall be provided to align rail between adjacent spans. Cost included with Steel Railing, Type T-1.
 2. All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.
- * Threaded areas shall be plugged or blocked off during casting of beam.
- ** The studs of the anchor devices shall be placed below the top reinforcement bars and the outermost longitudinal reinforcement bar shall be placed directly above the studs of the rail post anchor device.



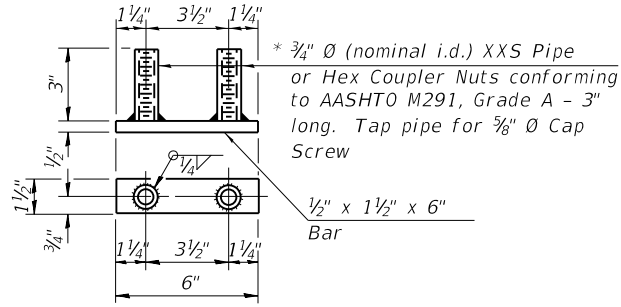
SECTION B-B
SECTION AT RAIL POST



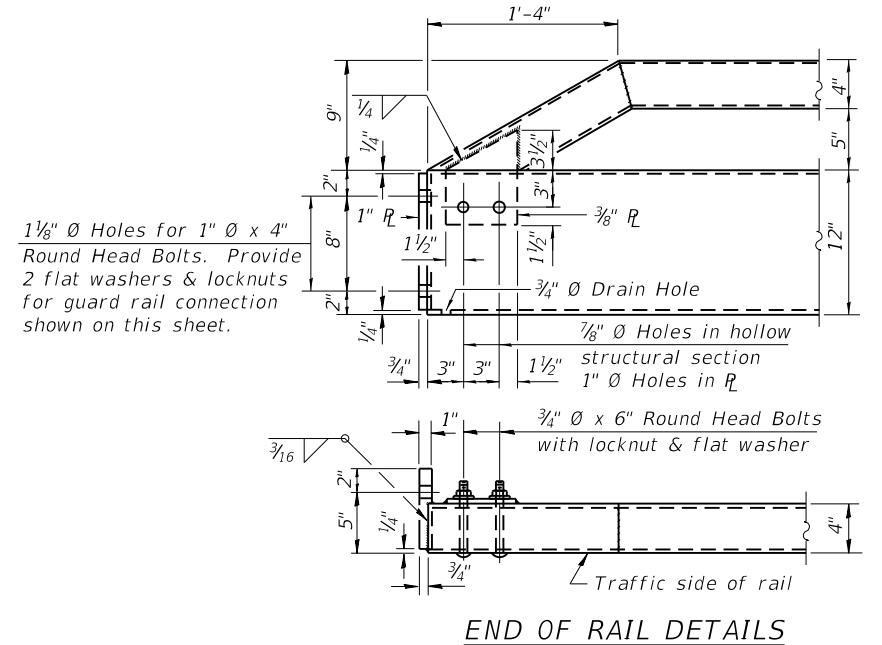
VIEW A-A
ROUND HEAD BOLT



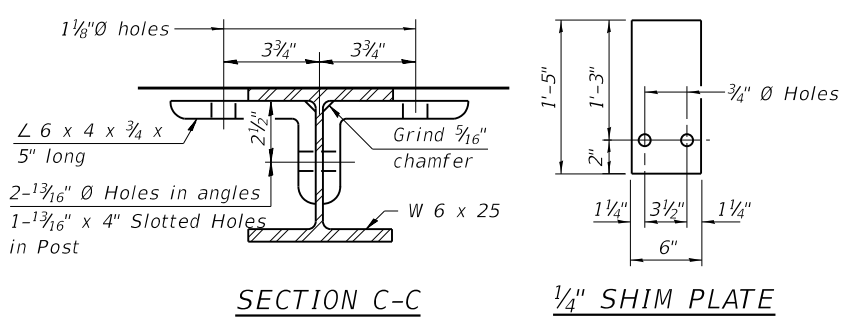
TOP ANCHOR DEVICE



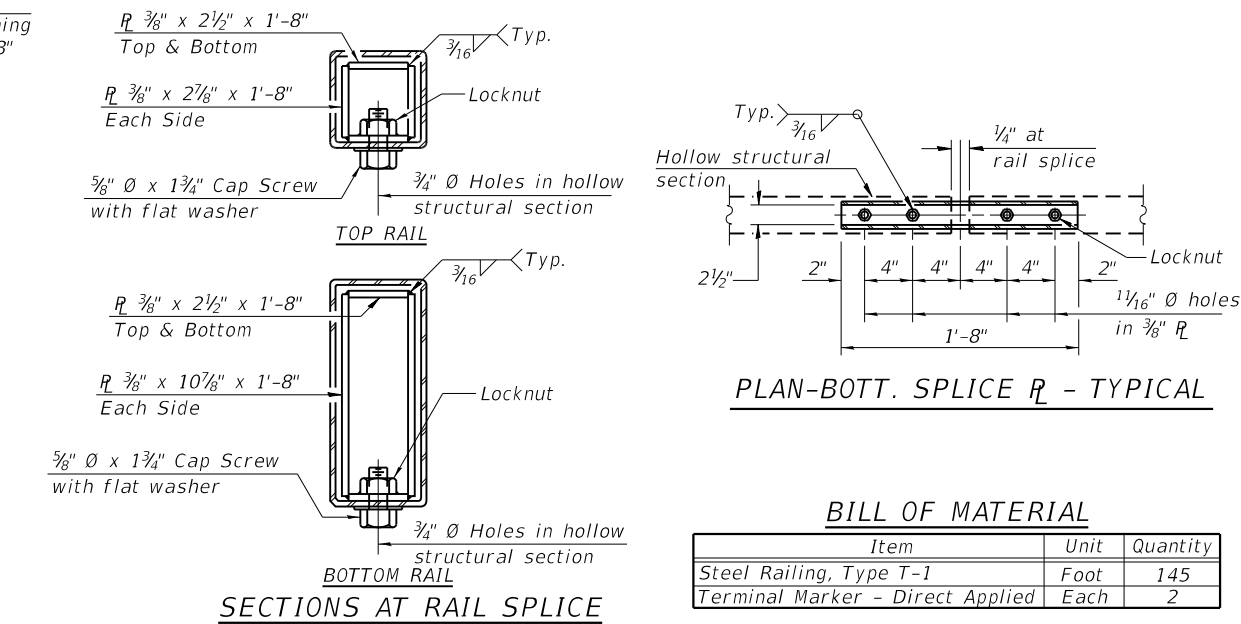
BOTTOM ANCHOR DEVICE



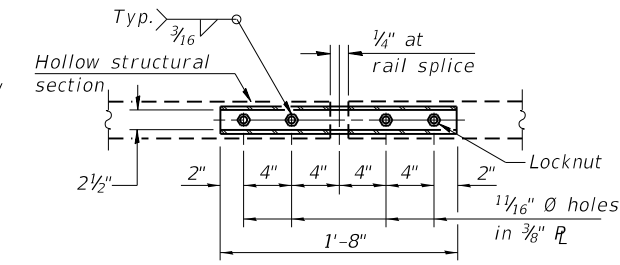
END OF RAIL DETAILS



SECTION C-C
1/4" SHIM PLATE



SECTIONS AT RAIL SPLICE



PLAN-BOTT. SPLICE R - TYPICAL

BILL OF MATERIAL

Item	Unit	Quantity
Steel Railing, Type T-1	Foot	145
Terminal Marker - Direct Applied	Each	2

FILE NAME: C:\SP\WHKS & COLABS-Spring - Projects\Springfield City at 0941 Church Hill Rd\CADD\CAD_Sheets\084_6000-0000.dgn



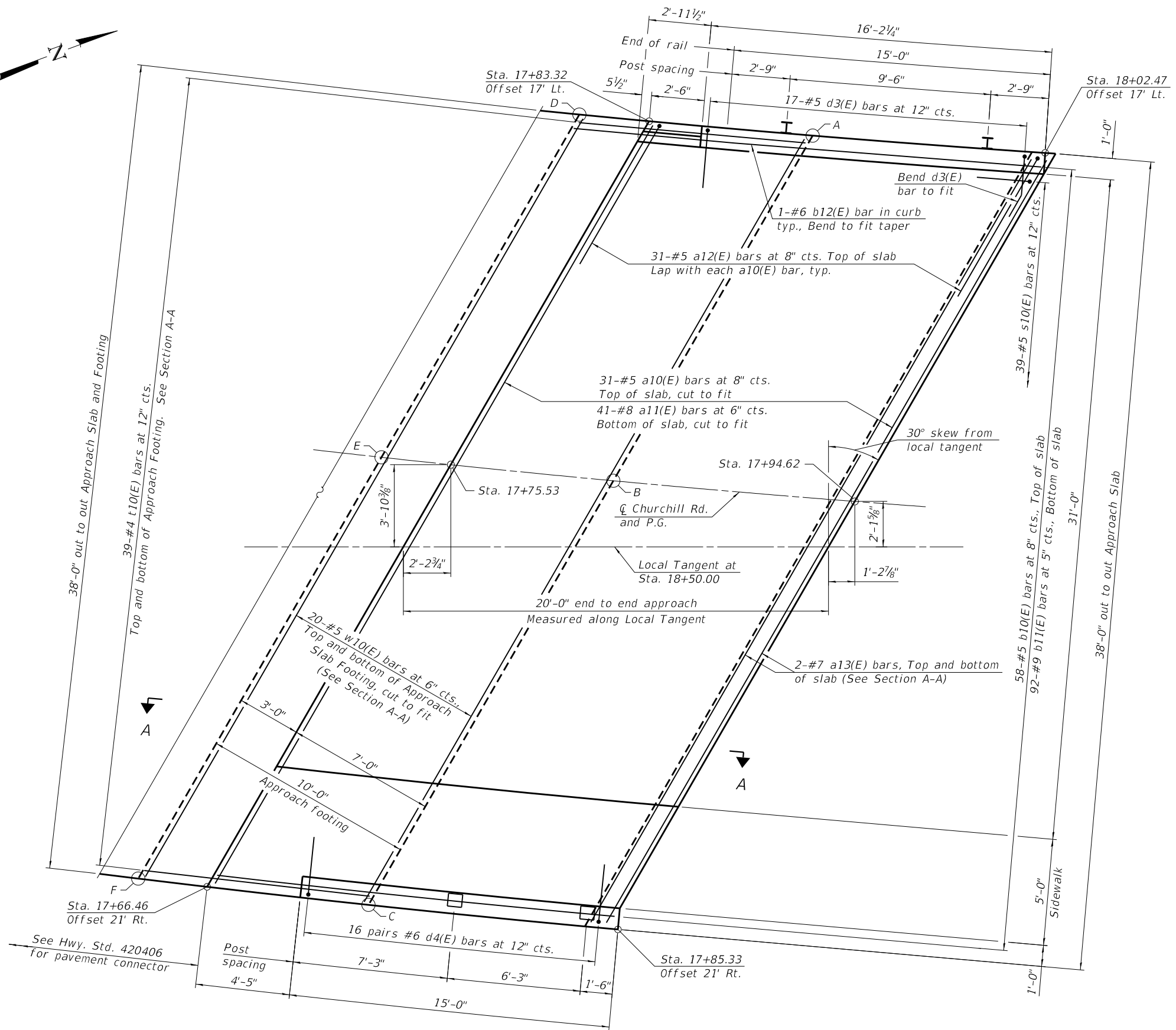
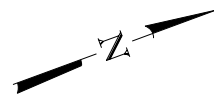
USER NAME = dheberling	DESIGNED - SBC	REVISED -
PLOT DATE = 10/28/2021	CHECKED - BRD	REVISED -
PLOT DATE = 10:13:26 AM	DRAWN - DLH	REVISED -
	CHECKED - SBC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STEEL RAILING, TYPE T-1
STRUCTURE NO. 084-6000

SHEET 12 OF 28 SHEETS

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1920	19-00487-00-BR	SANGAMON	60	26
CONTRACT NO. 93777				
ILLINOIS FED. AID PROJECT				



PLAN
(Sidewalk reinforcement not shown for clarity. See sidewalk plan.)

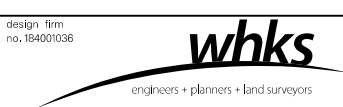
Notes:

1. Place longitudinal bars in approach slab, curb and sidewalk parallel to a chord intersecting roadway \bar{C} at Sta. 17+75.53 and Sta. 17+94.62.
2. Transverse reinforcement to be placed parallel to skew.
3. The s10(E) bars shall be placed parallel to \bar{C} Churchill Rd. Spacing for these bars shall be at right angles to \bar{C} Churchill Rd.
4. Curb reinforcement and rail anchorage shown on sheet 16 of 28.
5. Parapet reinforcement shown on sheet 16 of 28.
6. For sidewalk plan and cross section, see sheet 15 of 28.
7. For Section A-A and Bill of Material, see sheet 16 of 28.

**TOP AND BOTTOM ELEVATIONS
FOR APPROACH FOOTING**

Point	Station	Top	Bottom
A	17+91.23	543.85	543.02
B	17+83.22	544.16	543.33
C	17+73.88	544.54	543.71
D	17+79.94	543.78	542.95
E	17+72.25	544.09	543.26
F	17+63.29	544.47	543.64

FILE NAME: C:\SP\WHKS & COLABS-Spring - Projects\Springfield City 018941 Churchill Rd\CADD\CAD_Sheets\084_6000-00000.dgn



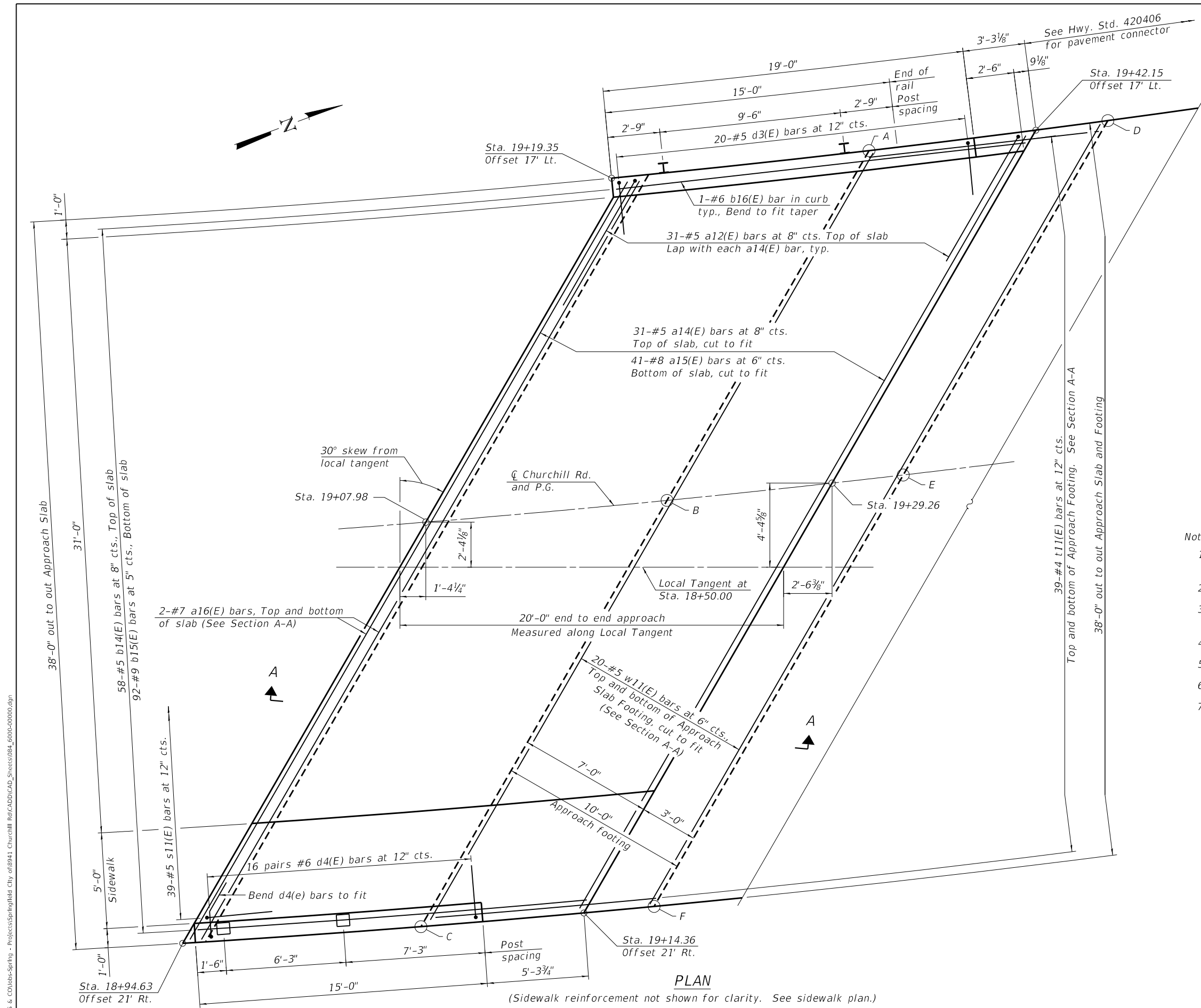
USER NAME = dheberling	DESIGNED - SBC	REVISED -
PLOT DATE = 10/28/2021	CHECKED - BRD	REVISED -
PLOT DATE = 10:13:26 AM	DRAWN - DLH	REVISED -
	CHECKED - SBC	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SOUTH BRIDGE APPROACH SLAB
STRUCTURE NO. 084-6000**

SHEET 13 OF 28 SHEETS

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	19-00487-00-BR	SANGAMON	60	27
CONTRACT NO. 93777				
ILLINOIS FED. AID PROJECT				



- Notes:
1. Place longitudinal bars in approach slab, curb and sidewalk parallel to a chord intersecting roadway CL at Sta. 19+07.98 and Sta. 19+29.26
 2. Transverse reinforcement to be placed parallel to skew.
 3. The s11(E) bars shall be placed parallel to CL Churchill Rd. Spacing for these bars shall be at right angles to CL Churchill Rd.
 4. Curb reinforcement and rail anchorage shown on sheet 16 of 28.
 5. Parapet reinforcement shown on sheet 16 of 28.
 6. For sidewalk plan and cross section, see sheet 15 of 28.
 7. For Section A-A and Bill of Material, see sheet 16 of 28.

**TOP AND BOTTOM ELEVATIONS
FOR APPROACH FOOTING**

Point	Station	Top	Bottom
A	19+33.17	544.37	543.54
B	19+20.60	544.67	543.84
C	19+06.08	545.06	544.23
D	19+46.03	544.45	543.62
E	19+32.99	544.72	543.89
F	19+17.93	545.10	544.27

PLAN

(Sidewalk reinforcement not shown for clarity. See sidewalk plan.)

design firm
no. 184001036



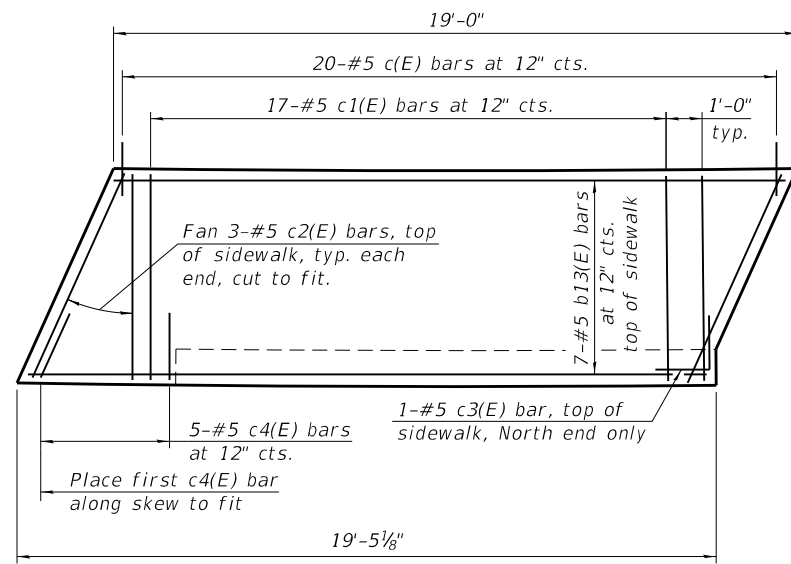
USER NAME = dheberling	DESIGNED - SBC	REVISED -
	CHECKED - BRD	REVISED -
PLOT DATE = 10/28/2021	DRAWN - DLH	REVISED -
PLOT DATE = 10:13:32 AM	CHECKED - SBC	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

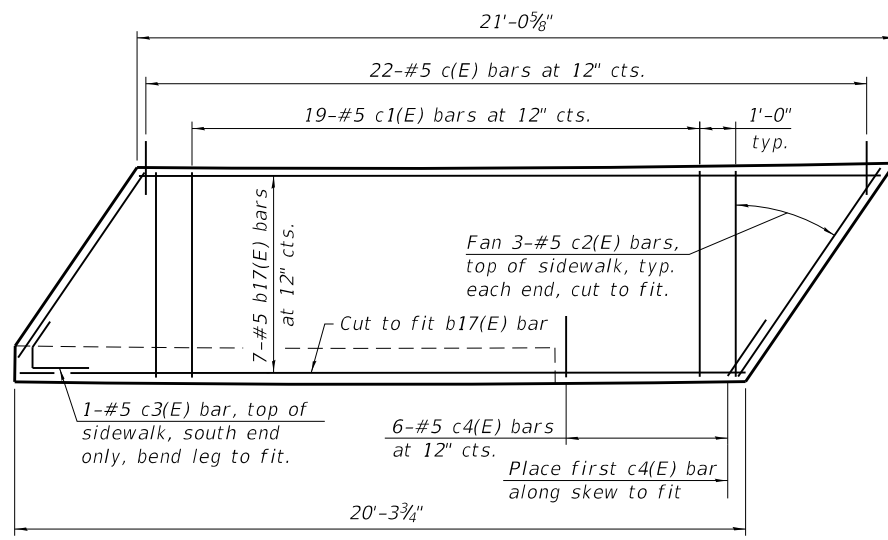
**NORTH BRIDGE APPROACH SLAB
STRUCTURE NO. 084-6000**

SHEET 14 OF 28 SHEETS

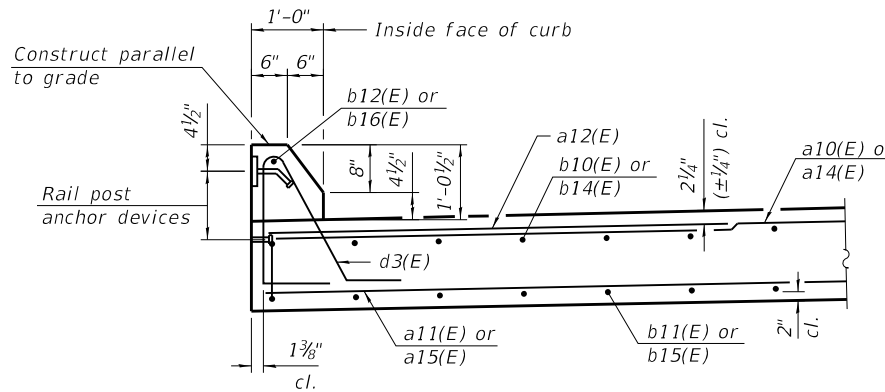
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1920	19-00487-00-BR	SANGAMON	60	28
CONTRACT NO. 93777				
ILLINOIS FED. AID PROJECT				



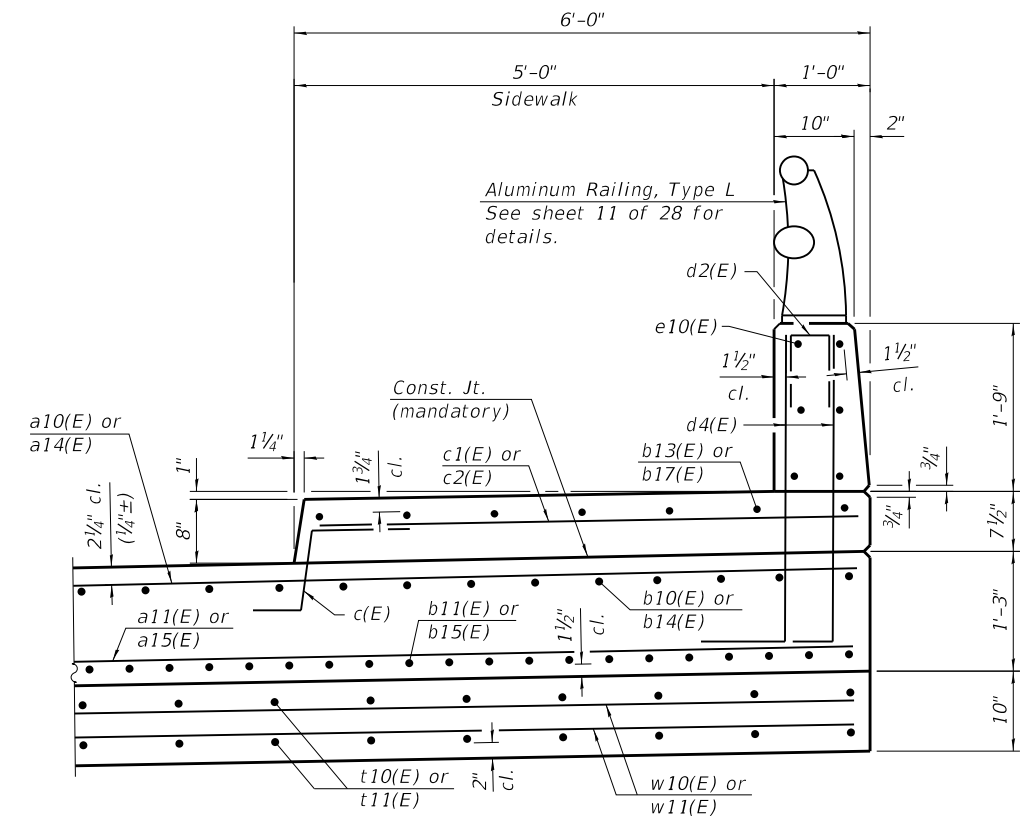
SOUTH APPROACH SIDEWALK PLAN



NORTH APPROACH SIDEWALK PLAN

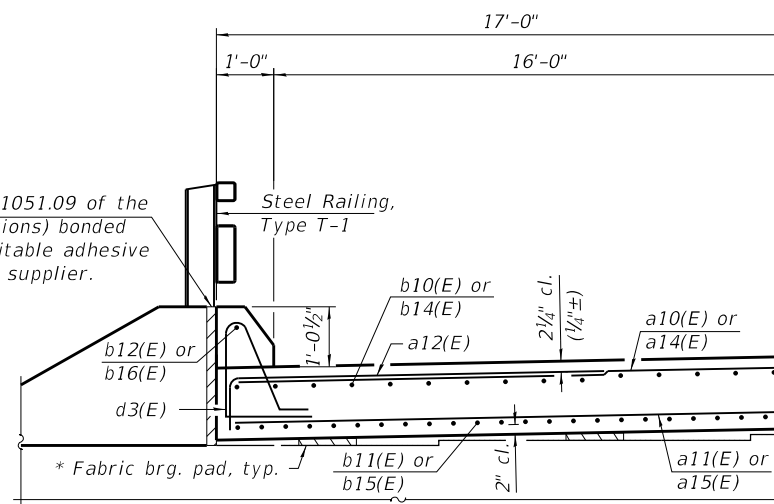


SECTION THRU WEST CURB

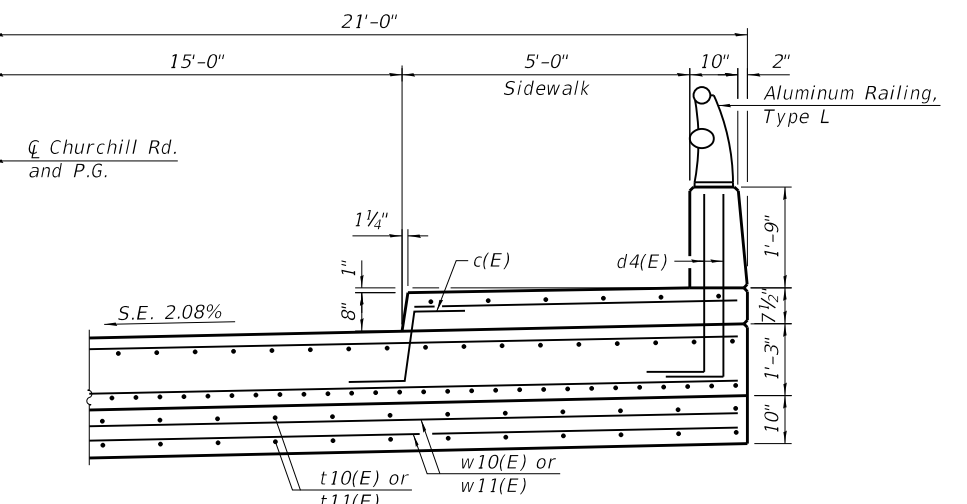


SECTION THRU EAST PARAPET AND SIDEWALK

2" PJF (per Article 1051.09 of the Standard Specifications) bonded to wingwall with suitable adhesive as recommended by supplier.



NEAR ABUTMENT



CROSS SECTION

NEAR APPROACH SLAB FOOTING (Showing Sidewalk Parapet and Railing)

* See sheet 17 of 28 for additional notes and details.

(All horizontal dimensions are radial.)
(See details above for additional information.)
(Looking North)

FILE NAME: C:\SP\WHKS & CO\Jobs-Spring - Projects\Springfield City at 6941 Churchill Rd\CADD\CAD_Sheets\084_6000-00000.dgn



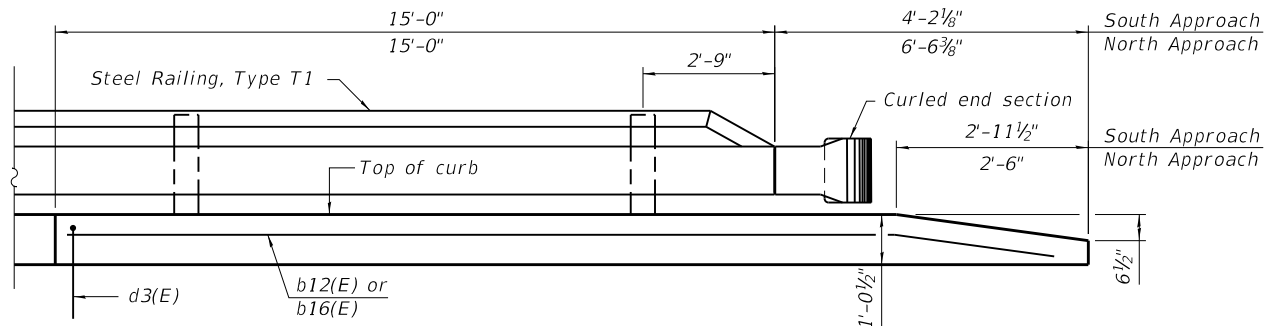
USER NAME = dheberling	DESIGNED - SBC	REVISED -
PLOT DATE = 10/28/2021	CHECKED - BRD	REVISED -
PLOT DATE = 10:13:32 AM	DRAWN - DLH	REVISED -
	CHECKED - SBC	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BRIDGE APPROACH SLAB DETAILS
STRUCTURE NO. 084-6000**

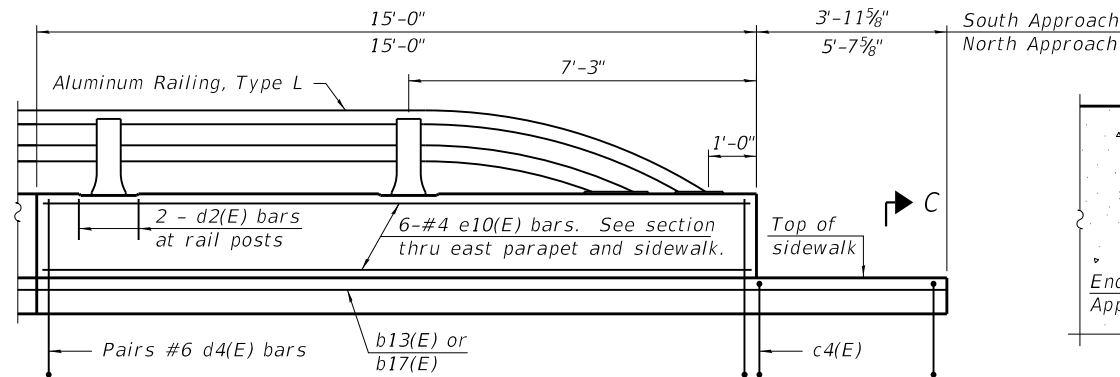
SHEET 15 OF 28 SHEETS

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1920	19-00487-00-BR	SANGAMON	60	29
CONTRACT NO. 93777				
ILLINOIS FED. AID PROJECT				



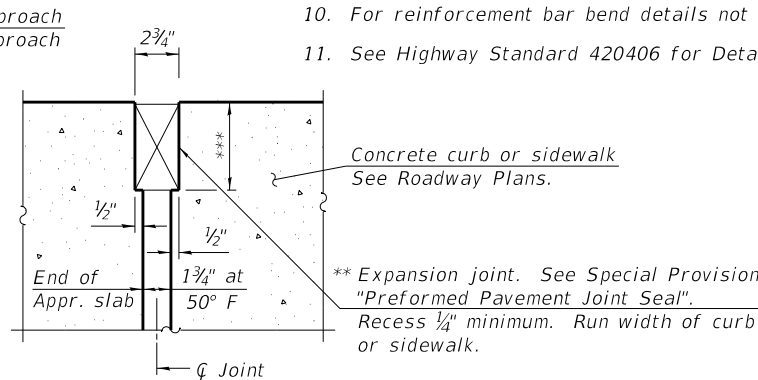
INSIDE ELEVATION OF WEST RAILING AND CURB

(Horizontal dimensions are measured along inside face of curb.)
 (For rail post spacing, curled end section, and additional details not shown, see sheet 12 of 28.)



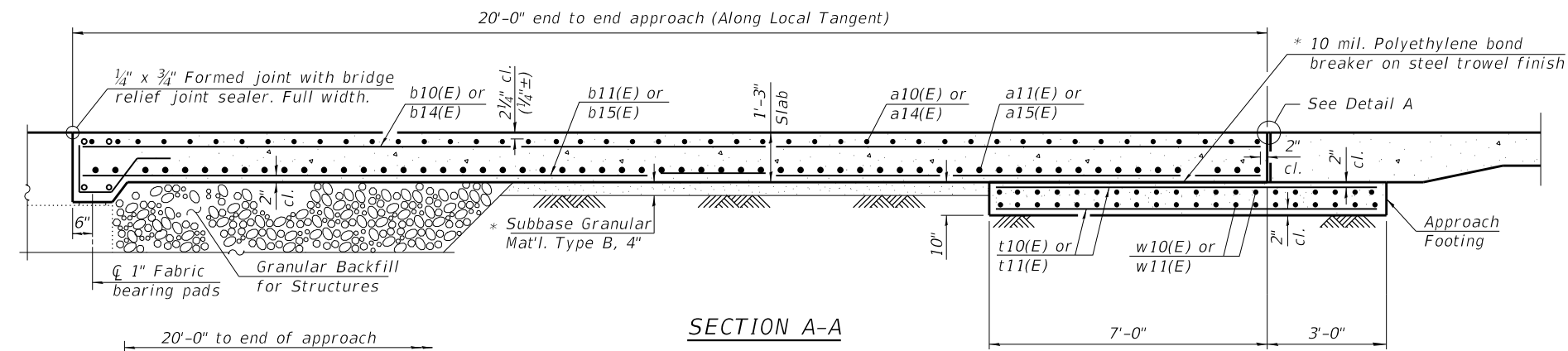
INSIDE ELEVATION OF EAST PARAPET AND SIDEWALK

(Horizontal dimensions are measured along inside face of parapet.)
 (For rail post spacing and additional details, see sheet 10 and 11 of 28.)



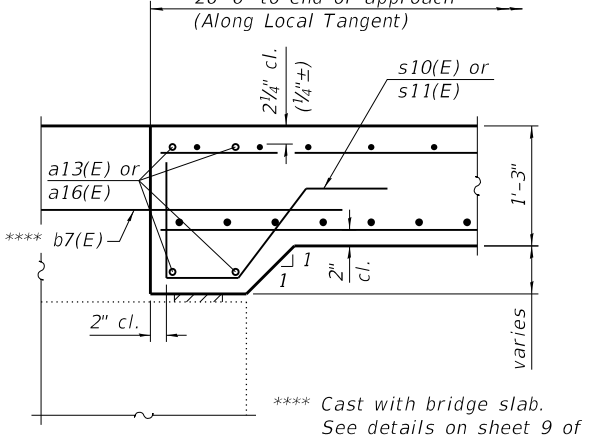
JOINT AT CONCRETE CURB AND SIDEWALK

** Cost included with Concrete Superstructure
 *** Per manufacturer recommendations

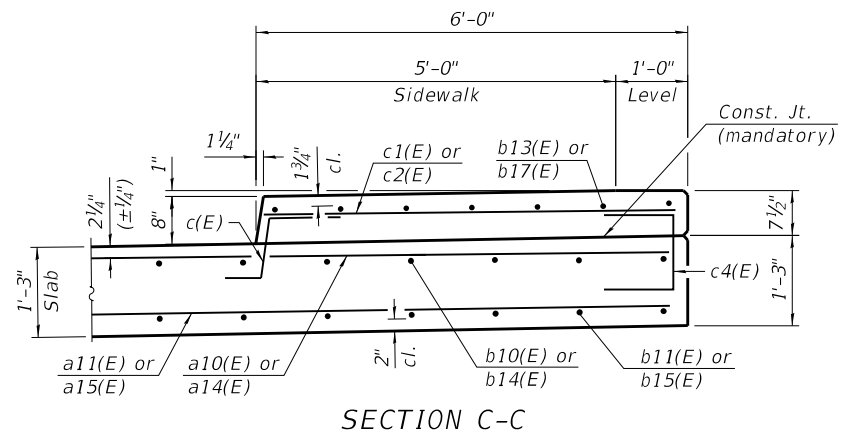


SECTION A-A

* Cost included with Concrete Superstructure (Approach Slab).



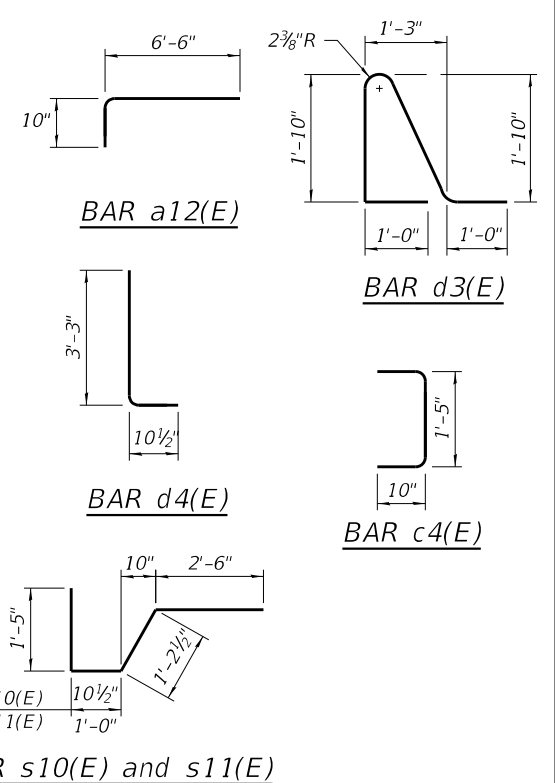
SECTION AT ABUTMENT



SECTION C-C

Notes:

1. The joint opening shall be adjusted for temperature per Article 520.04 of the Standard Specifications. However, since this detail is for jointless structures, the length of bridge used to calculate the adjustment shall be equal to half the total bridge length plus the length of the bridge approach slab.
2. Parapet and sidewalk concrete shall be paid for as Concrete Superstructure.
3. Curb concrete shall be paid for as Concrete Superstructure.
4. Approach slab shall be paid for as Concrete Superstructure (Approach Slab).
5. Approach footing concrete shall be paid for as Concrete Structures.
6. The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.
7. Cost of excavation for approach footing included with Concrete Structures.
8. For Granular Backfill for Structures and drainage treatment details, see sheet 2 of 28.
9. For railing details, see sheet 11 and 12 of 28.
10. For reinforcement bar bend details not shown, see sheet 10 of 28.
11. See Highway Standard 420406 for Detail A.



BILL OF MATERIAL
 (South Approach Slab)

Bar	No.	Size	Length	Shape
a10(E)	31	#5	41'-9"	—
a11(E)	41	#8	41'-9"	—
a12(E)	31	#5	7'-4"	┌
a13(E)	4	#7	41'-9"	—
b10(E)	58	#5	18'-9"	—
b11(E)	92	#9	18'-9"	—
b12(E)	1	#6	18'-9"	—
b13(E)	7	#5	18'-9"	—
c(E)	20	#5	3'-2"	┌
c1(E)	17	#5	5'-9"	—
c2(E)	6	#5	7'-0"	—
c3(E)	1	#5	4'-0"	┌
c4(E)	5	#5	3'-1"	┌
d2(E)	4	#4	2'-0"	┌
d3(E)	17	#5	6'-3"	┌
d4(E)	32	#6	4'-2"	┌
e10(E)	6	#4	14'-8"	—
s10(E)	39	#5	6'-0"	┌
t10(E)	78	#4	10'-8"	—
w10(E)	40	#5	41'-5"	—
Concrete Structures		Cu. Yd.	12.9	
Concrete Superstructure		Cu. Yd.	4.7	
Concrete Superstructure (Approach Slabs)		Cu. Yd.	33.6	
Bridge Deck Grooving		Sq. Yd.	62	
Protective Coat		Sq. Yd.	87	
Reinforcement Bars, Epoxy Coated		Pound	16,810	

BILL OF MATERIAL
 (North Approach Slab)

Bar	No.	Size	Length	Shape
a12(E)	31	#5	7'-4"	┌
a14(E)	31	#5	46'-9"	—
a15(E)	41	#8	46'-9"	—
a16(E)	4	#7	45'-9"	—
b14(E)	58	#5	20'-11"	—
b15(E)	92	#9	20'-11"	—
b16(E)	1	#6	20'-11"	—
b17(E)	7	#5	20'-11"	—
c(E)	22	#5	3'-2"	┌
c1(E)	19	#5	5'-9"	—
c2(E)	6	#5	7'-0"	—
c3(E)	1	#5	4'-0"	┌
c4(E)	6	#5	3'-1"	┌
d2(E)	4	#4	2'-0"	┌
d3(E)	20	#5	6'-3"	┌
d4(E)	32	#6	4'-2"	┌
e10(E)	6	#4	14'-8"	—
s11(E)	39	#5	6'-2"	┌
t11(E)	78	#4	11'-11"	—
w11(E)	40	#5	46'-11"	—
Concrete Structures		Cu. Yd.	14.6	
Concrete Superstructure		Cu. Yd.	4.4	
Concrete Superstructure (Approach Slabs)		Cu. Yd.	37.4	
Bridge Deck Grooving		Sq. Yd.	69	
Protective Coat		Sq. Yd.	97	
Reinforcement Bars, Epoxy Coated		Pound	18,720	

FILE NAME: C:\SP\WHKS & COL\08-03-2021 - Projects\Springfield City 018941 Churchhill Rd\CADD\CAD_Sheets\084_6000-00000.dgn



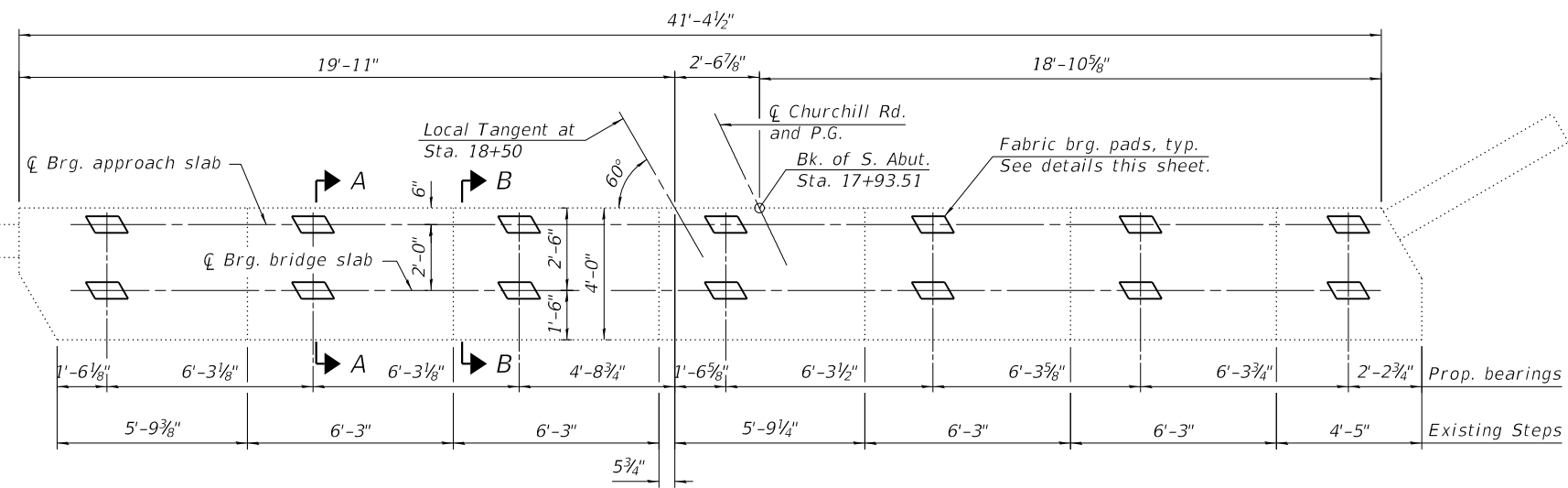
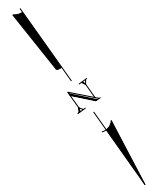
design firm no. 184001036	USER NAME = dheberling	DESIGNED - SBC	REVISED -
		CHECKED - BRD	REVISED -
	PLOT DATE = 10/28/2021	DRAWN - DLH	REVISED -
	PLOT DATE = 10:13:33 AM	CHECKED - SBC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

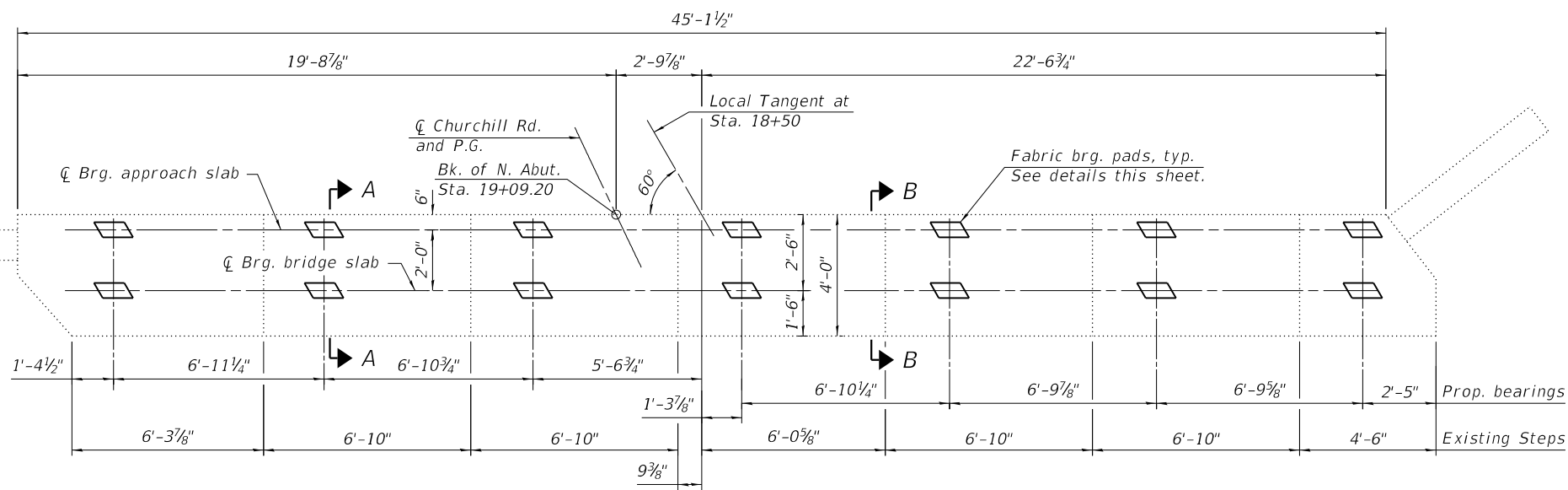
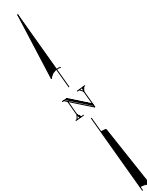
BRIDGE APPROACH SLAB DETAILS
STRUCTURE NO. 084-6000

SHEET 16 OF 28 SHEETS

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1920	19-00487-00-BR	SANGAMON	60	30
CONTRACT NO. 93777				
ILLINOIS FED. AID PROJECT				



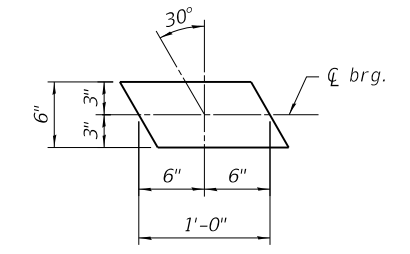
SOUTH ABUTMENT CAP PLAN



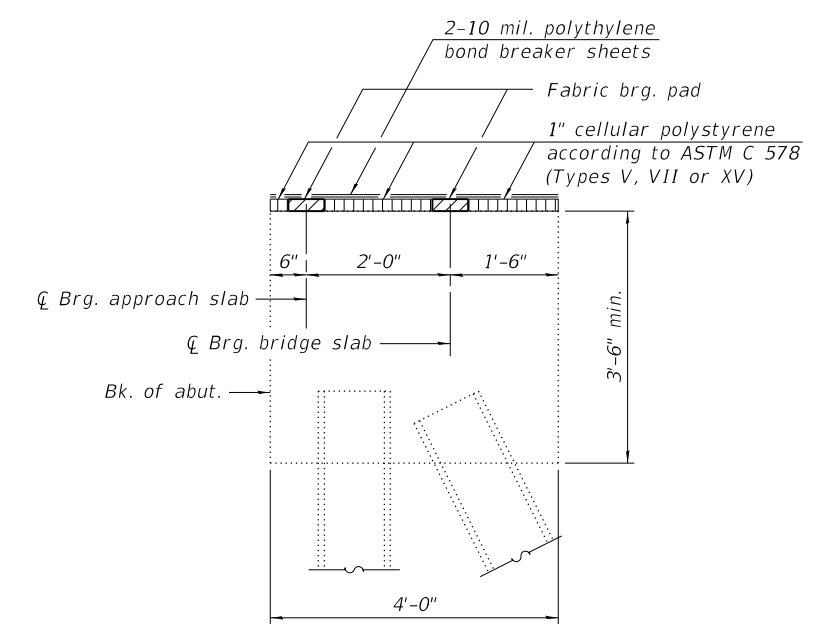
NORTH ABUTMENT CAP PLAN

Notes:

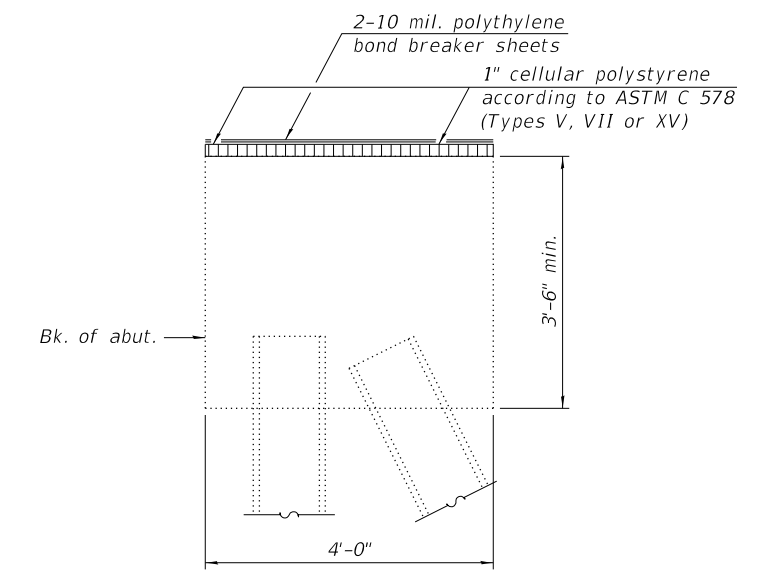
1. Fabric bearing pads shall meet the material requirements of Section 1082 of the Standard Specifications.
2. The Contractor shall clean the top of the abutment cap prior to installing the fabric bearing pads. The concrete surface shall be either power washed, blast cleaned, or wire wheel cleaned.
3. All fabric bearing pads shall be 1" thick and bonded to the existing abutment cap at the locations shown.
4. Fabric bearing pads, bonding adhesive, cellular polystyrene, and polyethylene bond breaker included with the cost of Concrete Superstructure.



FABRIC BEARING PAD
(28 required)

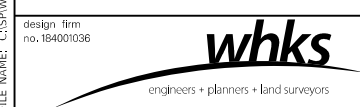


SECTION A-A



SECTION B-B

FILE NAME: C:\SP\WHKS & COLABS-Spring - Projects\Springfield City at 6941 Churchill Rd\CADD\CAD_Sheets\084_6000-0000.dgn



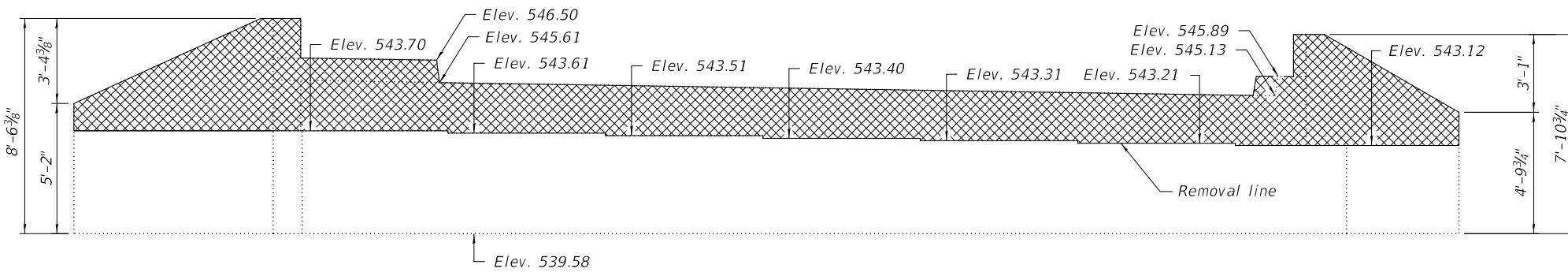
USER NAME = dheberling	DESIGNED - SBC	REVISED -
PLOT DATE = 10/28/2021	CHECKED - BRD	REVISED -
PLOT DATE = 10:13:34 AM	DRAWN - DLH	REVISED -
	CHECKED - SBC	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

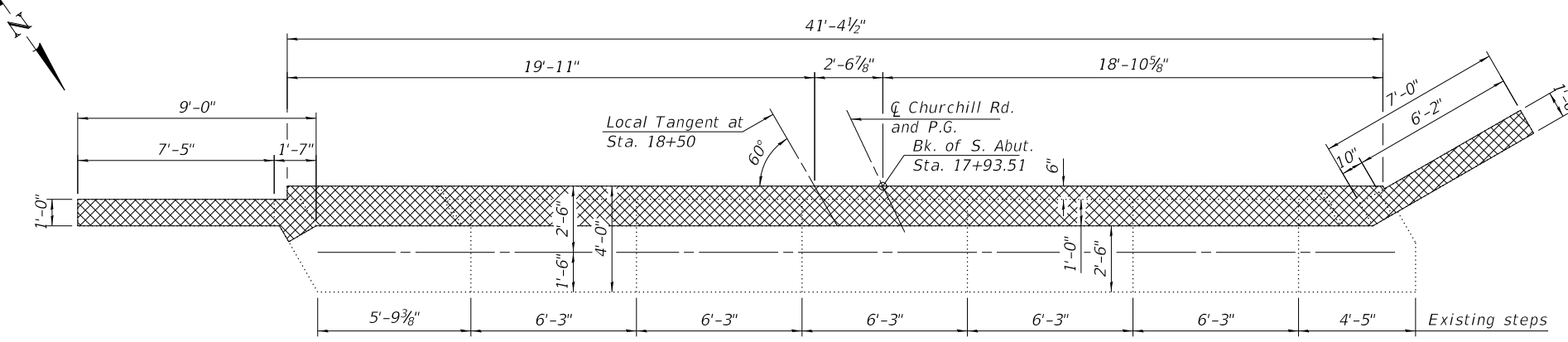
**BEARING DETAILS
STRUCTURE NO. 084-6000**

SHEET 17 OF 28 SHEETS

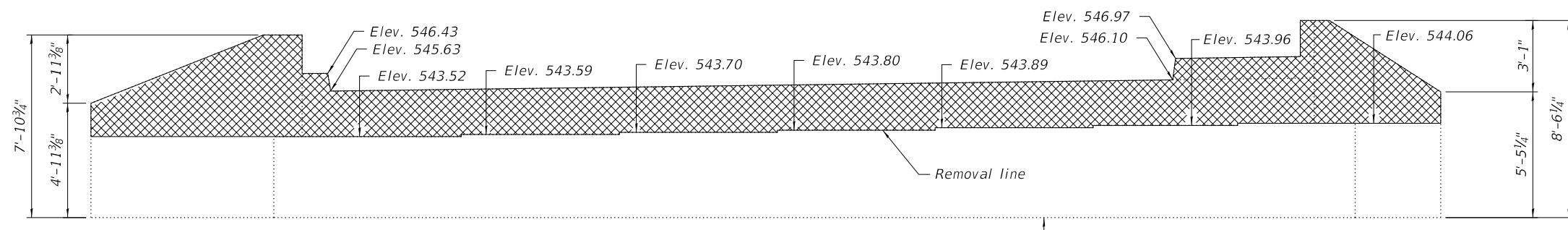
RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1920	19-00487-00-BR	SANGAMON	60	31
CONTRACT NO. 93777				
ILLINOIS FED. AID PROJECT				



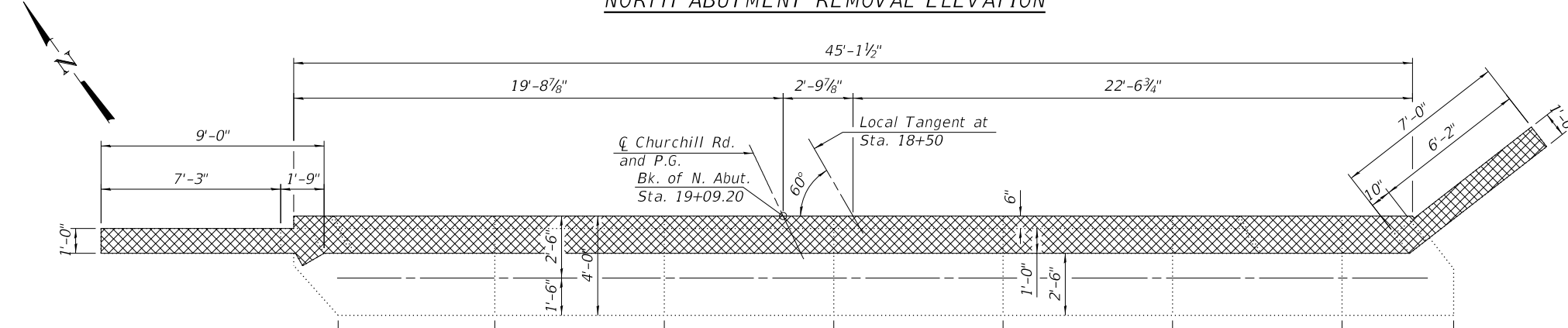
SOUTH ABUTMENT REMOVAL ELEVATION



SOUTH ABUTMENT REMOVAL PLAN



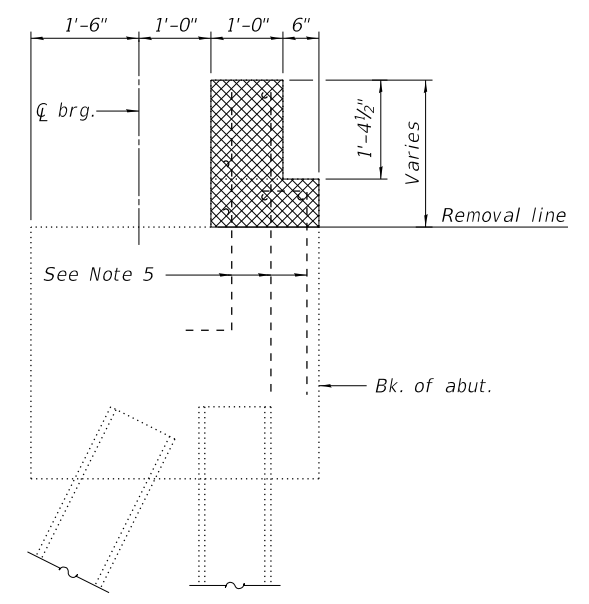
NORTH ABUTMENT REMOVAL ELEVATION



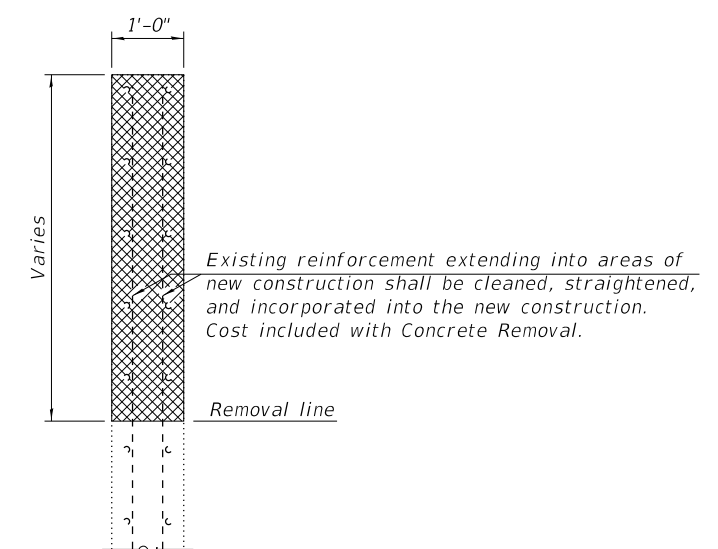
NORTH ABUTMENT REMOVAL PLAN

LEGEND

Limits of Concrete Removal



TYPICAL SECTION THRU ABUTMENT
(Horizontal dimensions at Rt. Z's to the abutment.)



TYPICAL SECTION THRU WINGWALL

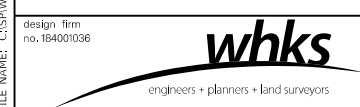
Notes:

1. Elevations shown herein have been taken from the existing plans and are subject to field verification and adjustment during construction.
2. Completed removal of the concrete backwall shall be completed in a manner such that the removal line matches the existing abutment seat step profile. The Contractor shall provide sawing equipment adequate in size and horsepower to complete the required full-depth sawing operation. Chipping and/or hydraulic hammers are not allowed. The surface presented as a result of this removal operation shall be smooth, level, and match the existing seat step elevations shown.
3. Partial concrete removal of the wingwalls shall be completed as shown in accordance with Article 501.05 of the Standard Specifications.
4. Vertical reinforcement bars in the wingwalls that are damaged during concrete removal operations shall be repaired or replaced using an approved bar splicer or anchorage system. Cost included with Concrete Removal.
5. All existing reinforcement bars not extending into new construction shall be cut off, ground flush, and sealed with epoxy. Cost included with Concrete Removal.

BILL OF MATERIAL

Item	Unit	Total
Concrete Removal	Cu. Yd.	12.6

FILE NAME: C:\SP\WHKS & COL\Jobs-Spring - Projects\Springfield City e16941 Churchill Rd\CADD\CAD_Sheets\084_6000-00000.dgn



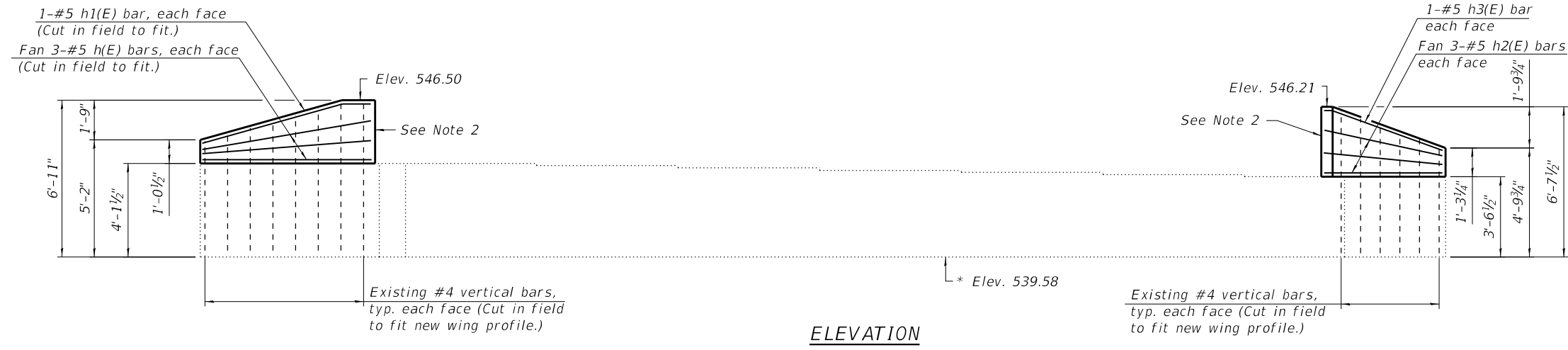
USER NAME = dheberling	DESIGNED - SBC	REVISED -
PLOT DATE = 10/28/2021	CHECKED - BRD	REVISED -
PLOT DATE = 10:13:34 AM	DRAWN - DLH	REVISED -
	CHECKED - SBC	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ABUTMENT REMOVAL DETAILS
STRUCTURE NO. 084-6000**

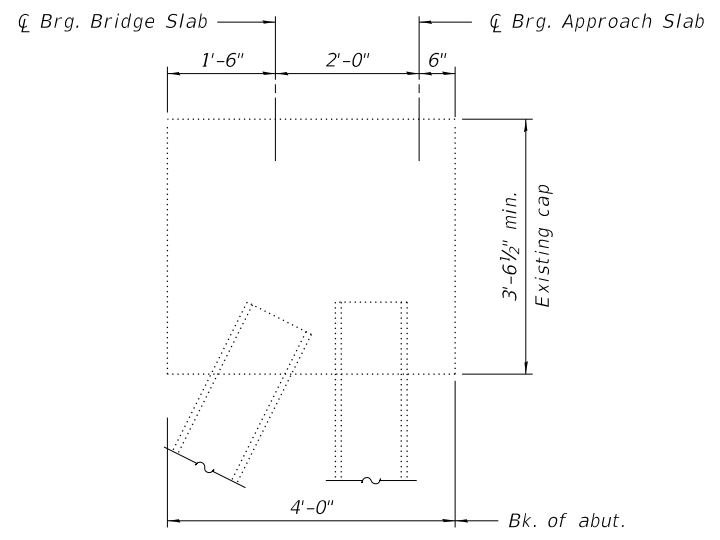
SHEET 18 OF 28 SHEETS

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1920	19-00487-00-BR	SANGAMON	60	32
CONTRACT NO. 93777				
ILLINOIS FED. AID PROJECT				



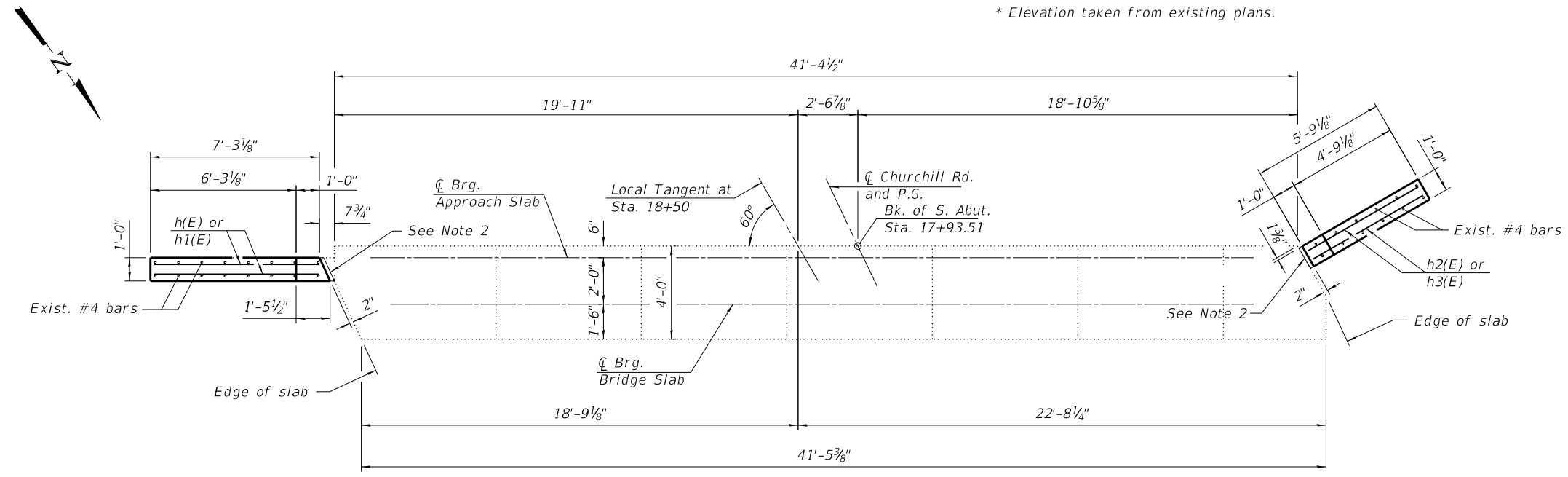
ELEVATION

* Elevation taken from existing plans.



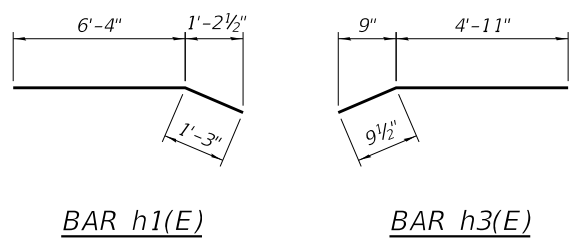
SECTION THRU ABUTMENT

(Dimensions are at Rt. L's to abutment.)



PLAN

- Notes:
1. Wingwalls shall be cast prior to the bridge and approach slabs.
 2. 2" PJF per Article 1051.09 of the Standard Specifications. See sheet 15 of 28 for additional notes and details.



BAR h1(E)

BAR h3(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	6	#5	7'-4"	—
h1(E)	2	#5	7'-7"	—
h2(E)	6	#5	5'-5"	—
h3(E)	2	#5	5'-9"	—
Structure Excavation			Cu. Yd.	46.5
Concrete Structures			Cu. Yd.	1.1
Reinforcement Bars, Epoxy Coated			Pound	110
Geocomposite Wall Drain			Sq. Ft.	28
Pipe Underdrains for Structures, 4"			Foot	67
Granular Backfill for Structures			Cu. Yd.	41

FILE NAME: C:\SP\WHKS & CO\Jobs-Spring - Projects\Springfield City at 0941 Churchill Rd\CADD\CAD_Sheets\084_6000-00000.dgn



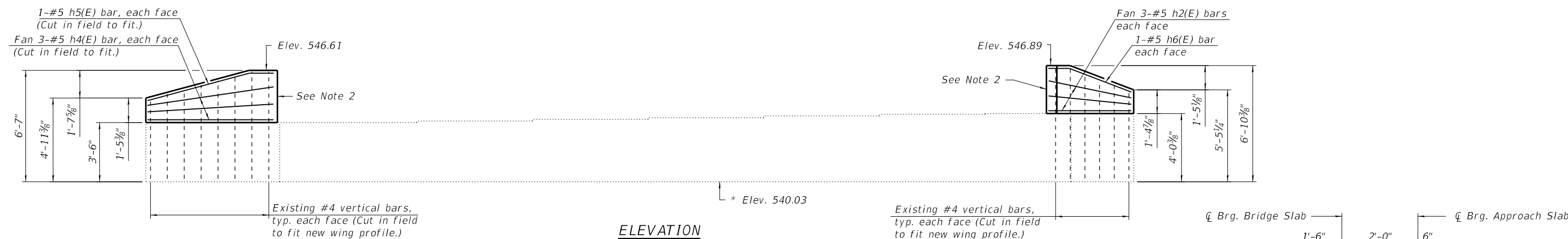
USER NAME = dheberling	DESIGNED - SBC	REVISED -
PLOT DATE = 10/28/2021	CHECKED - BRD	REVISED -
PLOT DATE = 10:13:35 AM	DRAWN - DLH	REVISED -
	CHECKED - SBC	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SOUTH ABUTMENT DETAILS
STRUCTURE NO. 084-6000**

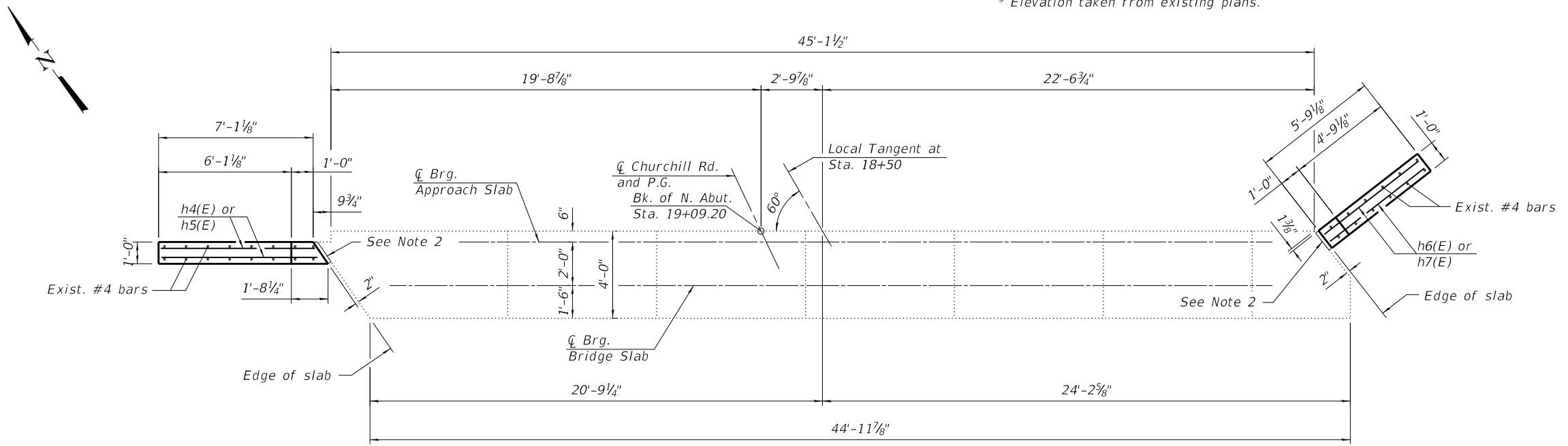
SHEET 19 OF 28 SHEETS

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1920	19-00487-00-BR	SANGAMON	60	33
CONTRACT NO. 93777				
ILLINOIS FED. AID PROJECT				

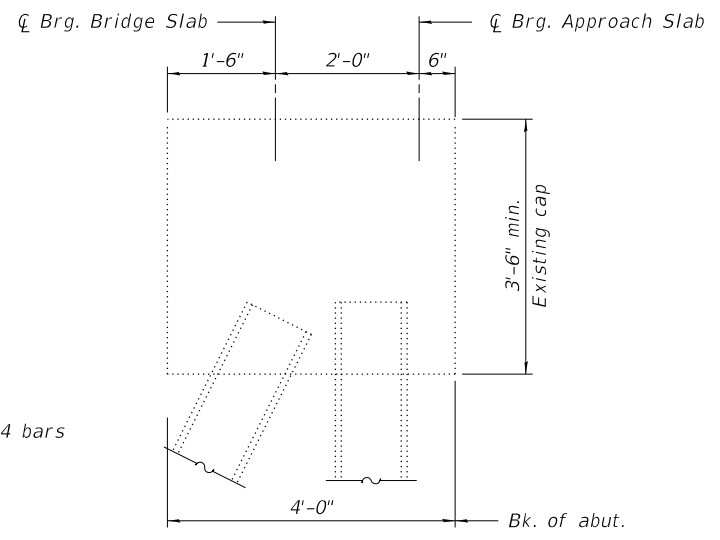


ELEVATION

* Elevation taken from existing plans.

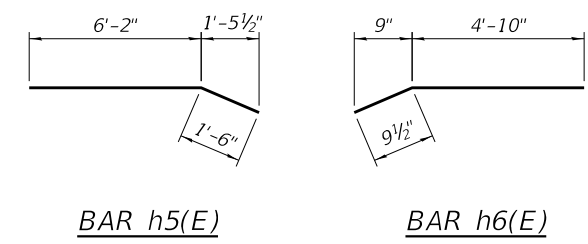


PLAN



SECTION THRU ABUTMENT
(Dimensions are at Rt. L's to abutment.)

- Notes:
1. Wingwalls shall be cast prior to the bridge and approach slabs.
 2. 2" PJF per Article 1051.09 of the Standard Specifications. See sheet 15 of 28 for additional notes and details.



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h2(E)	6	#5	5'-5"	—
h4(E)	6	#5	7'-5"	—
h5(E)	2	#5	7'-8"	—
h6(E)	2	#5	5'-8"	—
Structure Excavation			Cu. Yd.	49.4
Concrete Structures			Cu. Yd.	1.2
Reinforcement Bars, Epoxy Coated			Pound	110
Geocomposite Wall Drain			Sq. Ft.	29
Pipe Underdrains for Structures, 4"			Foot	70
Granular Backfill for Structures			Cu. Yd.	42

FILE NAME: C:\SP\WHKS & CO\Jobs-Spring - Projects\Springfield City 018941 Churchill Rd\CADD\CAD_Sheets\084_6000-00000.dgn



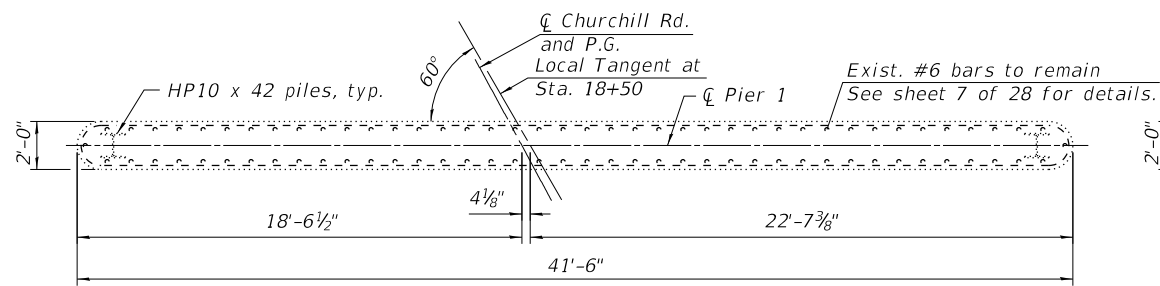
USER NAME = dheberling	DESIGNED - SBC	REVISED -
	CHECKED - BRD	REVISED -
PLOT DATE = 10/28/2021	DRAWN - DLH	REVISED -
PLOT DATE = 10:13:35 AM	CHECKED - SBC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

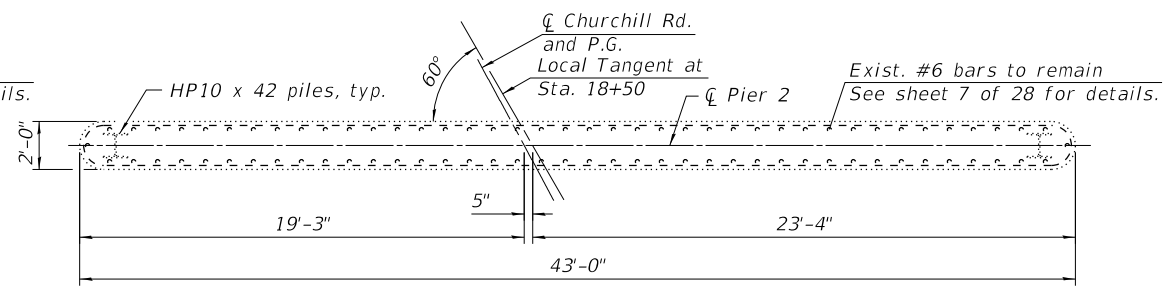
NORTH ABUTMENT DETAILS
STRUCTURE NO. 084-6000

SHEET 20 OF 28 SHEETS

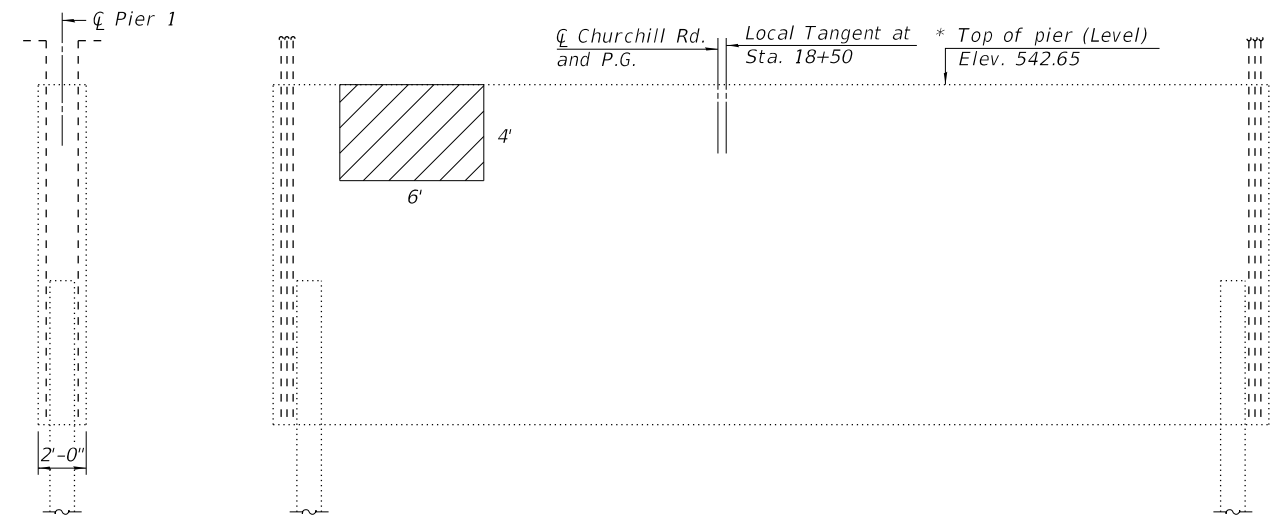
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1920	19-00487-00-BR	SANGAMON	60	34
CONTRACT NO. 93777				
ILLINOIS FED. AID PROJECT				



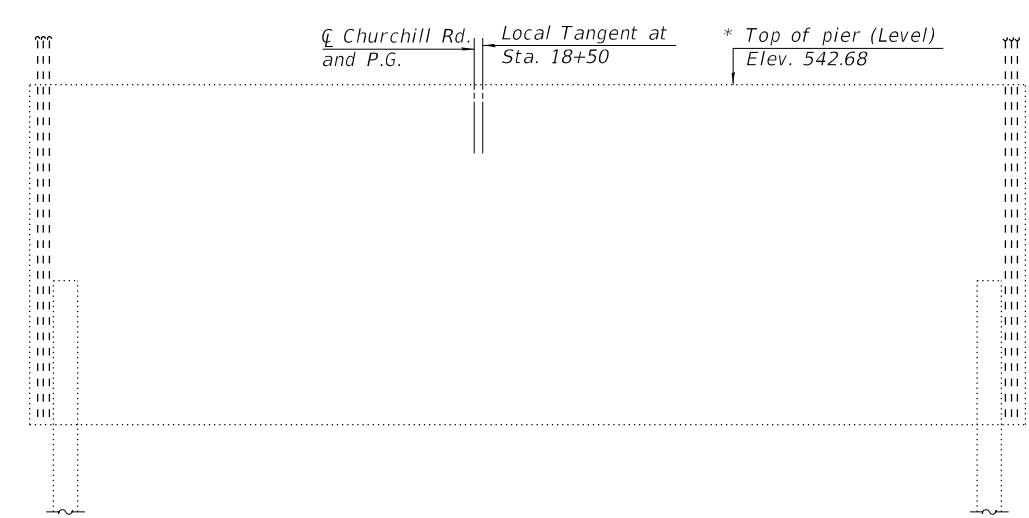
PIER 1 - PLAN



PIER 2 - PLAN



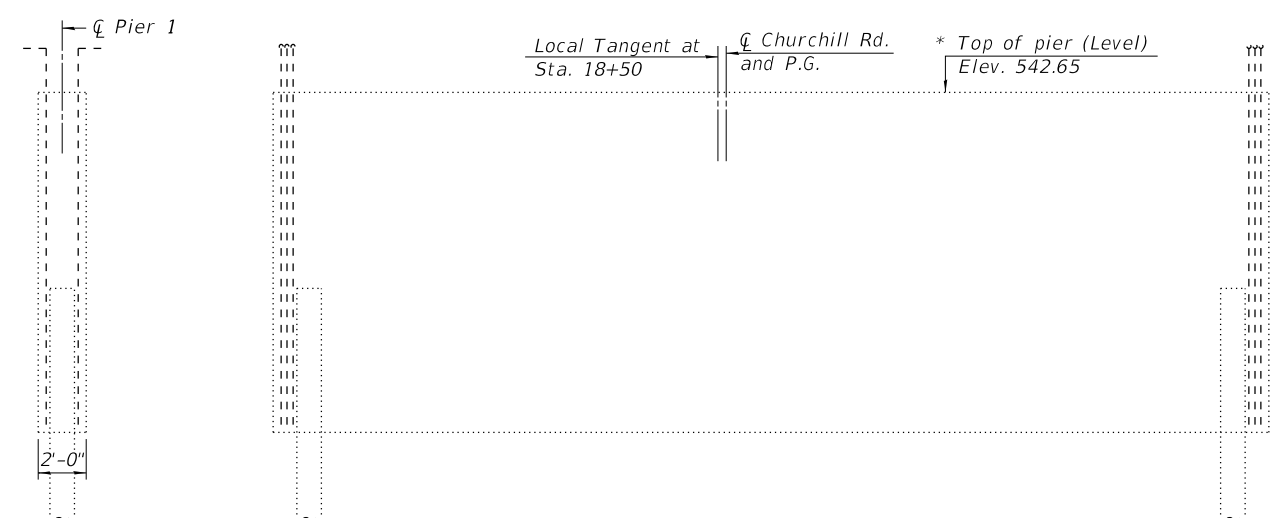
PIER 1 - ELEVATION
(South Face)



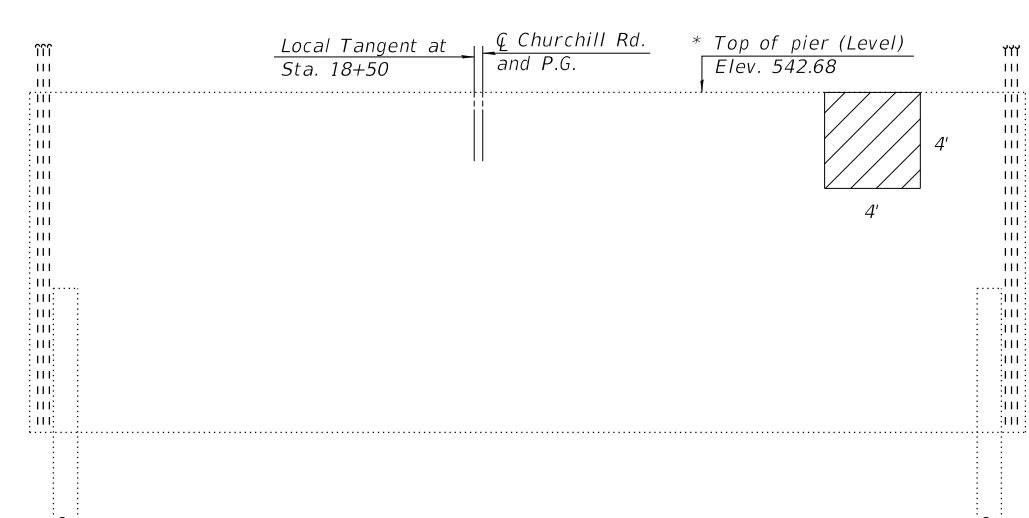
PIER 2 - ELEVATION
(South Face)

PIER 1 - SIDE VIEW
(West Face)

PIER 2 - SIDE VIEW
(West Face)



PIER 1 - ELEVATION
(North Face)



PIER 2 - ELEVATION
(North Face)

PIER 1 - SIDE VIEW
(East Face)

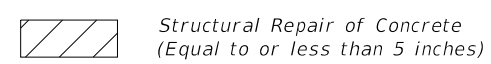
PIER 2 - SIDE VIEW
(East Face)

* Elevations after removal of existing superstructures. See sheet 7 of 28 for additional details.

Notes:

- Quantities and limits of concrete repair estimated from the April 22, 2020 delamination survey.
- Hairline cracks not shown for clarity.
- Existing vertical and horizontal reinforcing bars are #6 bars at 12" cts. Reinforcement bars that have been cut or have lost 25 percent or more of their original cross sectional area shall be supplemented by new in kind reinforcement bars. New bars shall be lapped a minimum of 32 bar diameters to existing bars. A mechanical bar splicer shall be used when it is not feasible to provide the minimum bar lap.
- See special provision "Structural Repair of Concrete" for additional information.

LEGEND

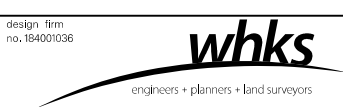


BILL OF MATERIAL

Item	Unit	Total
** Structural Repair of Concrete (Equal to or less than 5 inches)	Sq. Ft.	40

** Quantities are estimated. Actual quantities shall be determined in the field and noted on the "As-Built" plans.

FILE NAME: C:\SP\WHKS & COL\Jobs-Spring - Projects\Springfield City at 6941 Churchill Rd\CADD\CAD_Sheets\084_6000-00000.dgn



USER NAME = dheberling	DESIGNED - SBC	REVISED -
PLOT DATE = 10/28/2021	CHECKED - BRD	REVISED -
PLOT DATE = 10:13:36 AM	DRAWN - DLH	REVISED -
	CHECKED - SBC	REVISED -

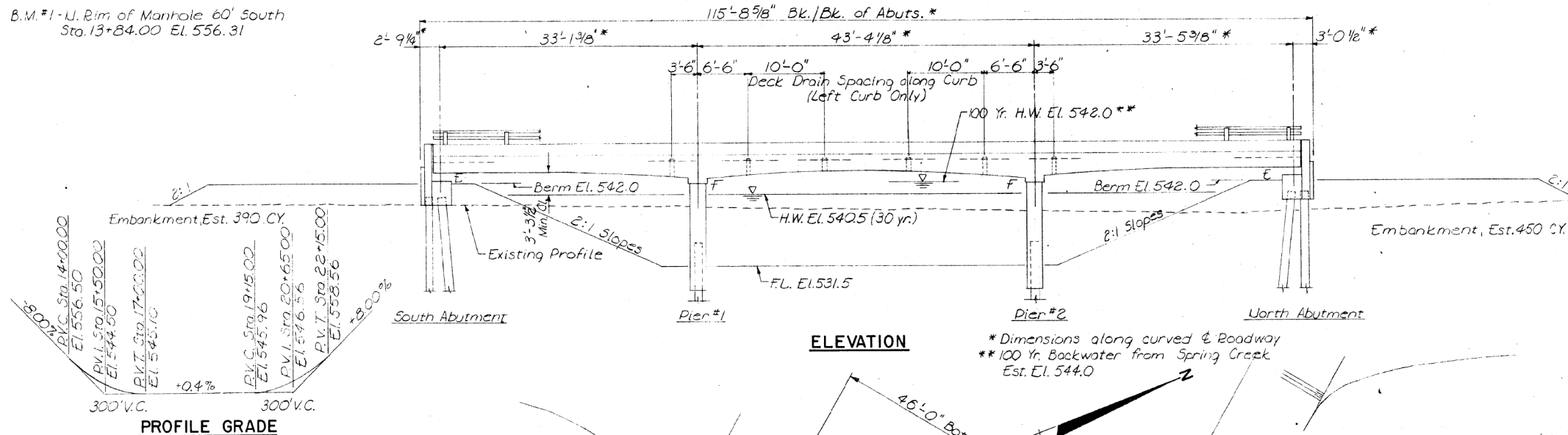
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER DETAILS
STRUCTURE NO. 084-6000

SHEET 21 OF 28 SHEETS

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1920	19-00487-00-BR	SANGAMON	60	35
CONTRACT NO. 93777				
ILLINOIS FED. AID PROJECT				

B.M. #1 - U. Rim of Manhole 60' South
Sta. 13+84.00 El. 556.31



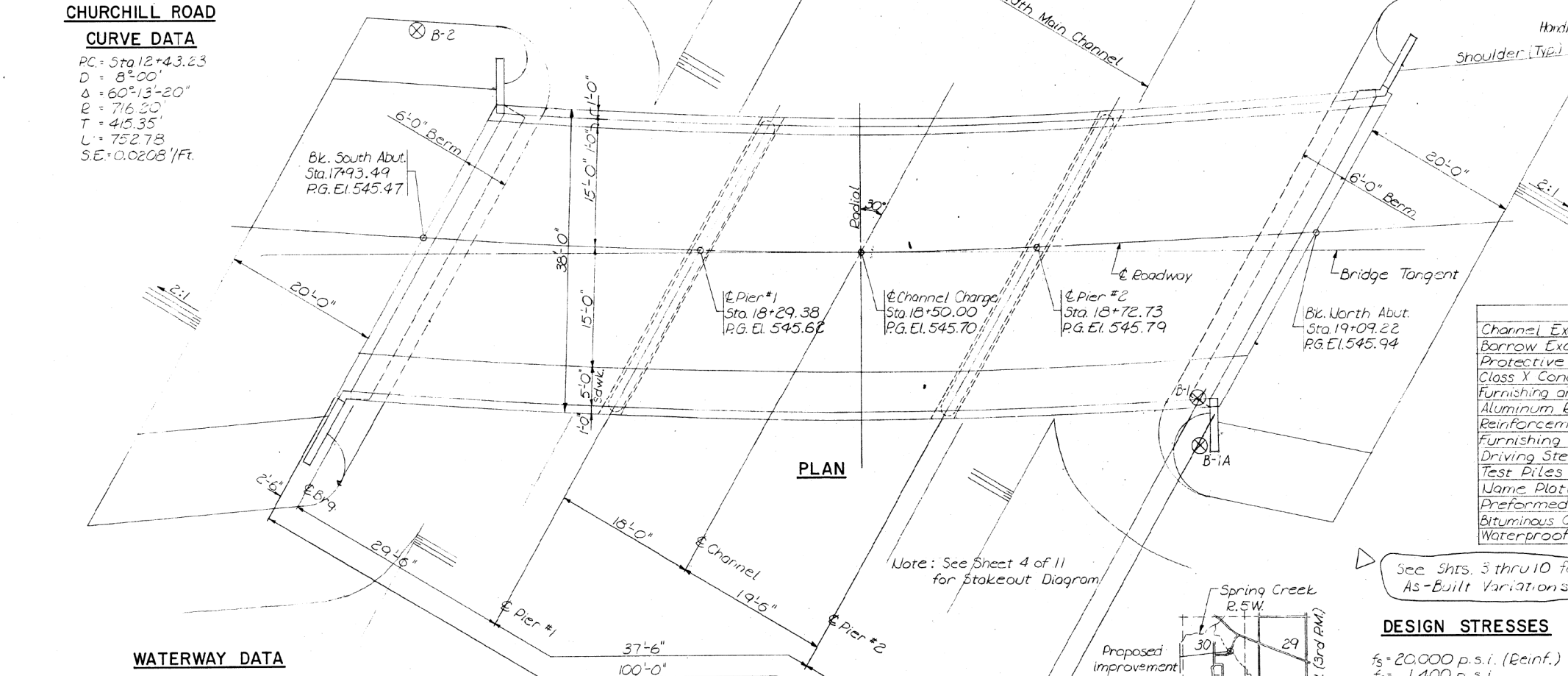
**CHURCHILL ROAD
CURVE DATA**
 PC = Sta 12+43.23
 D = 8°00'
 Δ = 60°13'-20"
 R = 716.30'
 T = 415.35'
 L = 752.78'
 S.E. = 0.0208'/ft.

PROFILE GRADE

WATERWAY DATA
 Drainage Area 11.0 Sq. Mi.
 Design Discharge (30 Yr.) 3200 C.F.S.
 Existing Opening (below 30 Yr. HWE) 470 Sq. Ft.
 Required Opening (below 30 Yr. HWE) 535 Sq. Ft.
 Proposed Opening (below 30 Yr. HWE) 540 Sq. Ft.
 Created Head for Design Flood 1.3 Ft.
 100 Yr. Discharge 5200 C.F.S.
 Created Head for 100 Yr. Flood 1.7 Ft.

PILE DATA
 Type - Steel (HP 10 x 42)
 Drive to Refusal
 Est. Length 41' So. Abut., 44' No. Abut.
 No. Required 16*** So. Abut., 9*** No. Abut.

*** Includes one test pile to be driven in a permanent location in Pier #2 and one test pile to be driven in a permanent location in the So. Abut.



PLAN

LOCATION PLAN

GENERAL NOTES

1. Class X Concrete shall be used throughout.
2. The concrete floor slab shall be finished in accordance with Article 503.15 of the Standard Specifications and shall be poured in one continuous operation.
3. All reinforcement bars shall be lapped 24 bar diameters unless otherwise shown on the drawings.
4. All bearings, including rollers, anchor bolts and lead plates, shall be fabricated and set in accordance with the Standard Specifications and shall be included in the quantity of Structural Steel.
5. Calculated weight of Structural Steel = 6100 Lbs.
6. All Structural Steel shall be shop painted with two coats of basic lead silico chromate paint except the rollers and bearing plate shall also receive one field coat.
7. Cost of excavating and dewatering for pier construction shall be incidental to the items of construction.
8. Contractor shall drive two test piles in permanent locations as shown in the Pile Data and as directed by the Engineer.
9. Protective Coat shall not be applied to surfaces which are to receive Waterproofing Membrane System 10. The concrete rail section above the mandatory construction joint shall be constructed of Class X Concrete except the appropriate shall conform to the requirements of

JACKSONVILLE BRANCH
 PROJECT NO. 130 BUILT 1976
 CAPITOL TOWNSHIP
 SANGAMON COUNTY
 LOADING HS20
 BRIDGE UO 084

LETTERING FOR NAME PLATE
 See Std. 2113-1
 Locate Name Plate at S.E. Corner

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Channel Excavation	Cu. Yds.	—	—	5000
Borrow Excavation	Cu. Yds.	—	—	980
Protective Coat	Sq. Yds.	151	—	151
Class X Concrete	Cu. Yds.	287.0	150.8	437.8
Furnishing and Erecting Structural Steel	L.S.	—	—	1
Aluminum Rolling (Type L)	Lin. Ft.	224	—	224
Reinforcement Bars	Lbs.	64685	13760	78445
Furnishing Steel Piles (HP 10 x 42)	Lin. Ft.	—	1363	1363
Driving Steel Piles (HP 10 x 42)	Lin. Ft.	—	1363	1363
Test Piles Steel (HP 10 x 42)	Each	—	2	2
Name Plate	Each	1	—	1
Preformed Joint Sealer (2 1/2")	Lin. Ft.	90	—	90
Bituminous Concrete Surface Course (Class I, 1 1/2")	Tons	32	—	32
Waterproofing Membrane System	Sq. Yds.	380	—	380

See Shrs. 3 thru 10 for As-Built Variations

DESIGN STRESSES

f_s = 20,000 p.s.i. (Reinf.)
 f_c = 1,400 p.s.i.
 n = 10
 Loading HS20-44
 (+25 p.s.f. @ Prop. Cl. I Surface)

**CHURCHILL ROAD
OVER
JACKSONVILLE BRANCH
PROJECT NO. 130
CAPITOL TOWNSHIP
SANGAMON COUNTY
STA. 18+50 AS BUILT**

GENERAL PLAN & ELEVATION

CASSON ENGINEERING COMPANY	J.C.C.	M.B.
Sheet 2 of 11	DATE 12/30/75	DATE 1/2/76

Rev. 1/29/76

design firm
no. 184001036

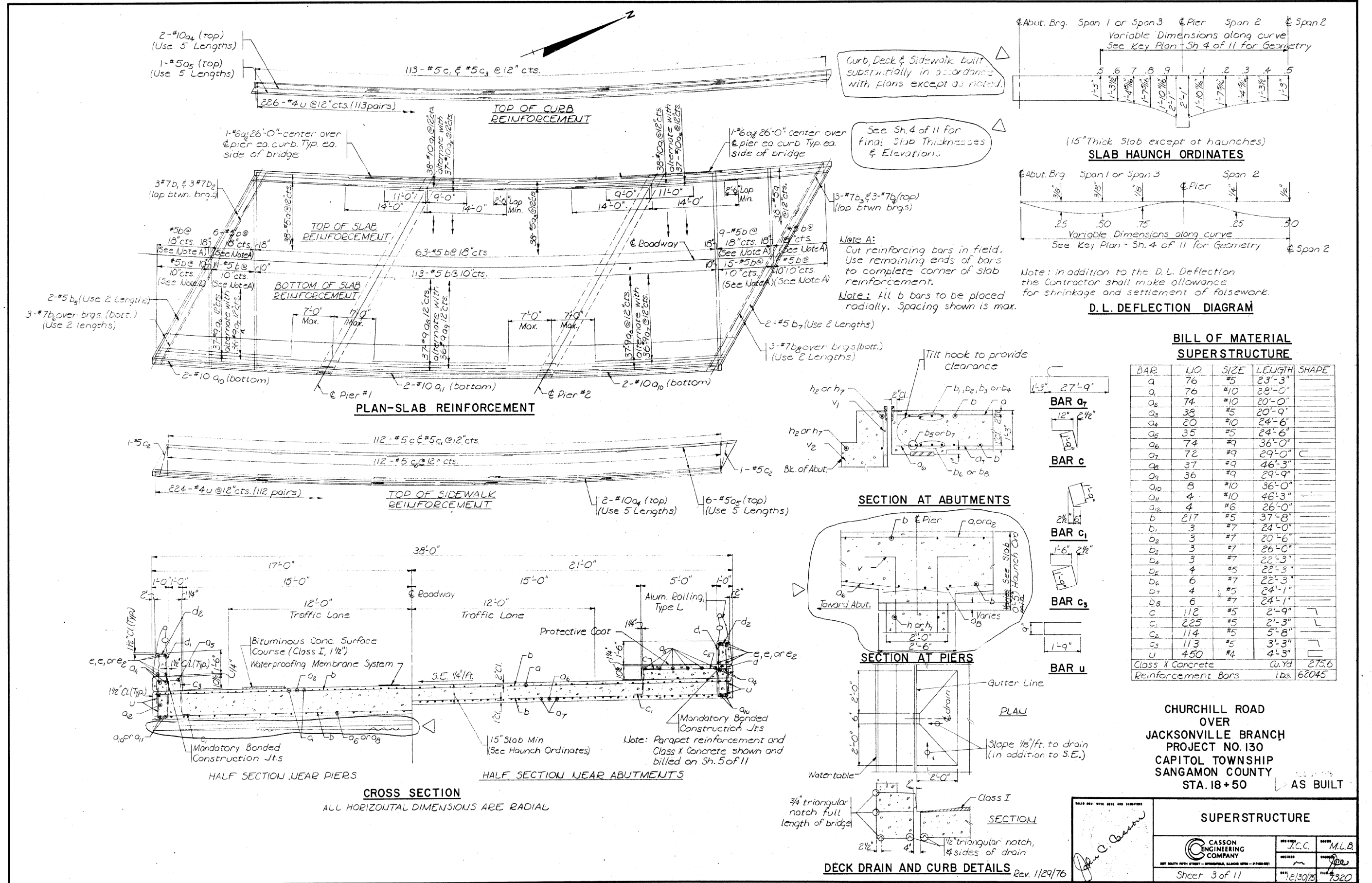


USER NAME = dheberling	DESIGNED - SBC	REVISED -
PLOT DATE = 10/28/2021	CHECKED - BRD	REVISED -
PLOT DATE = 10:13:36 AM	DRAWN - DLH	REVISED -
	CHECKED - SBC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS (FOR INFORMATION ONLY)
STRUCTURE NO. 084-6000
SHEET 22 OF 28 SHEETS

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1920	19-00487-00-BR	SANGAMON	60	36
CONTRACT NO. 93777				
ILLINOIS		FED. AID PROJECT		



FILE NAME: C:\SP\WHKS & COL\Jobs-Spring - Projects\Springfield City at 6941 Churchill Rd\CADD\CAD_Sheets\084_6000-0000.dgn

design firm
no. 184001036

engineers + planners + land surveyors

USER NAME = dheberling	DESIGNED - SBC	REVISED -
PLOT DATE = 10/28/2021	CHECKED - BRD	REVISED -
PLOT DATE = 10:13:52 AM	DRAWN - DLH	REVISED -
	CHECKED - SBC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS (FOR INFORMATION ONLY)
STRUCTURE NO. 084-6000

SHEET 23 OF 28 SHEETS

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1920	19-00487-00-BR	SANGAMON	60	37
CONTRACT NO. 93777				
ILLINOIS		FED. AID PROJECT		

CHURCHILL ROAD
OVER
JACKSONVILLE BRANCH
PROJECT NO. 130
CAPITOL TOWNSHIP
SANGAMON COUNTY
STA. 18 + 50 AS BUILT

SUPERSTRUCTURE

CASSON ENGINEERING COMPANY

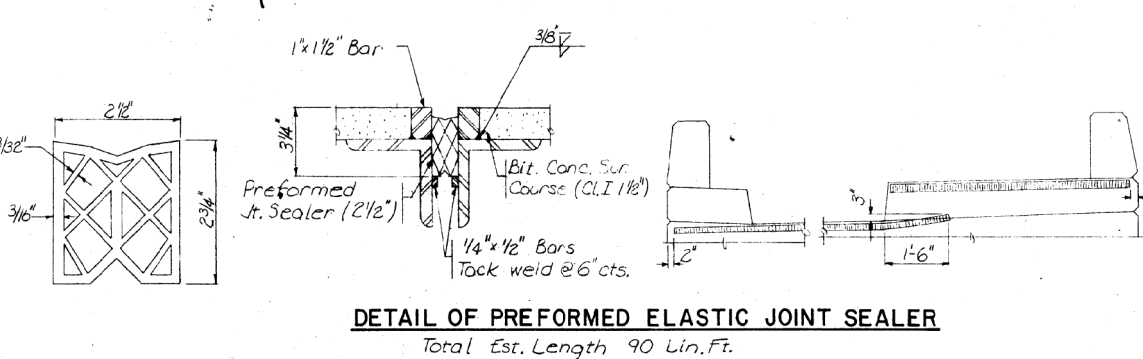
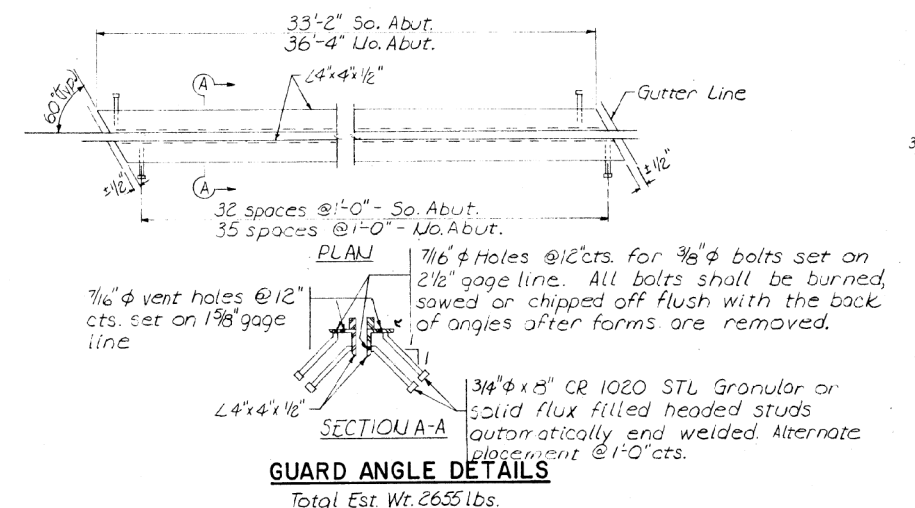
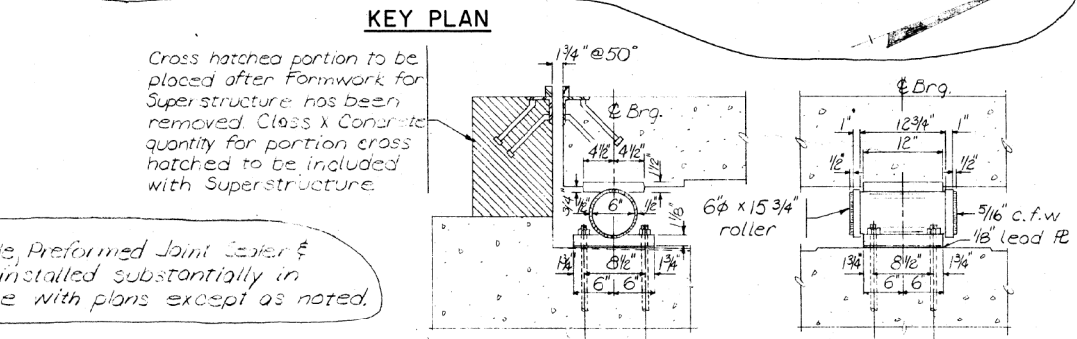
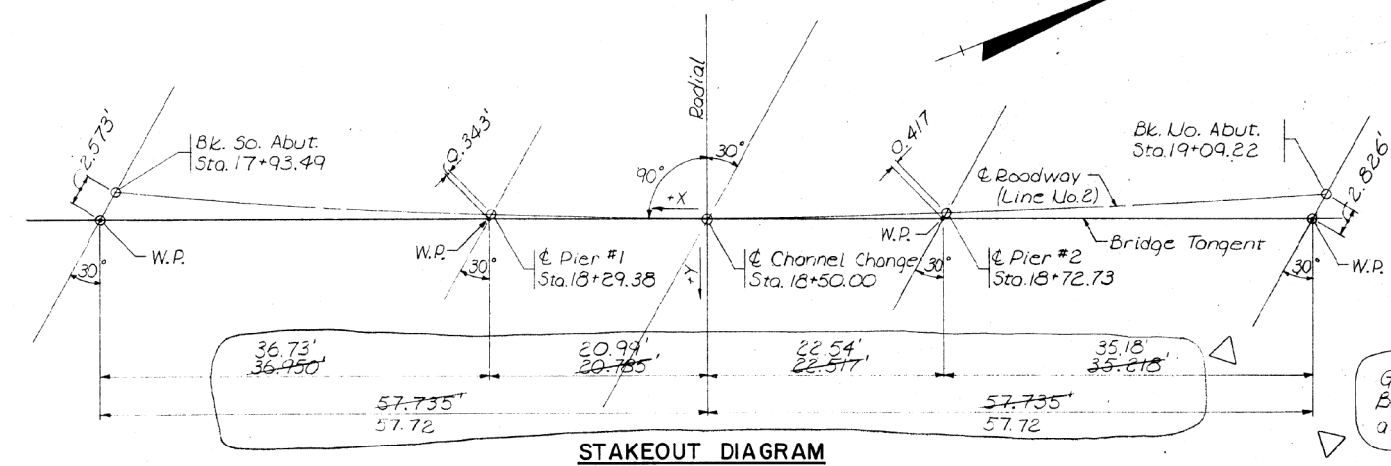
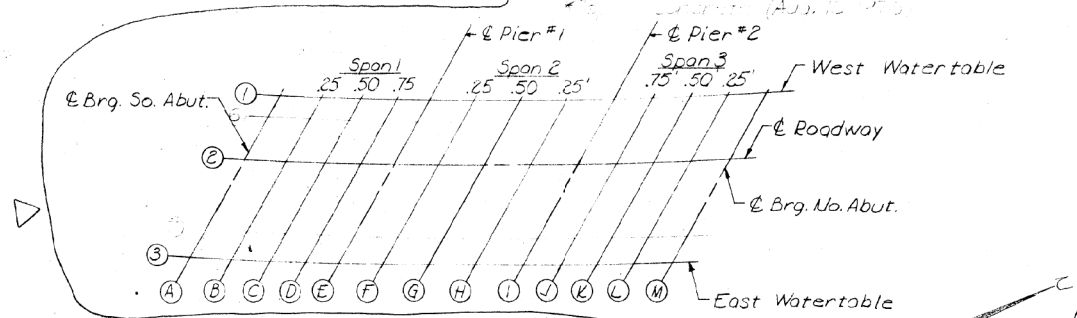
DESIGNED: J.C.C. DRAWN: M.L.B.
CHECKED: [Signature] DATE: 12/30/25

Sheet 3 of 11

	Line No.1 - West Watertable (17'-0" Left)					Line No.2 - Roadway					Line No.3 - East Watertable (21'-0" Right)					Line No.4 - East Watertable (21'-0" Right)		Line No.5 - East Watertable (21'-0" Right)				
	Coordinates		Radial Station	Theoretical Grade Elev.	T.G.E. Adj. for D.L. Defl.	Coordinates		Radial Station	Theoretical Grade Elev.	T.G.E. Adj. for D.L. Defl.	Coordinates		Radial Station	Theoretical Grade Elev.	T.G.E. Adj. for D.L. Defl.	Span Thick.	Span Elev.	Span Thick.	Span Elev.			
	X	Y				X	Y				X	Y										
A	Brig. So. Abut.	+44.23	-18.40	18+04.67	545.04	545.04	+53.69	-2.02	17+96.27	545.36	545.36	+65.30	+18.10	17+86.48	545.76	545.76	1.23	545.15	1.21	545.35	1.22	545.15
B	.25 Span 1	+35.91	-17.92	18+13.20	545.07	545.11	+45.43	-1.44	18+04.54	545.39	545.42	+57.10	+18.79	17+94.47	545.79	545.82	1.24	545.15	1.24	545.15	1.29	545.15
C	.50 Span 1	+27.59	-17.54	18+21.74	545.11	545.14	+37.16	-0.97	18+12.82	545.43	545.46	+48.90	+19.38	18+02.46	545.82	545.85	1.23	545.15	1.25	545.15	1.26	545.15
D	.75 Span 1	+19.26	-17.27	18+30.27	545.14	545.15	+28.89	-0.58	18+21.10	545.46	545.47	+40.70	+19.88	18+10.44	545.86	545.87	1.48	545.15	1.46	545.47	1.51	545.15
E	Brig. No. 1	+10.92	-17.09	18+38.81	545.18	545.18	+20.61	-0.30	18+29.38	545.49	545.49	+32.50	+20.28	18+18.42	545.89	545.89	2.05	545.15	2.03	545.15	2.04	545.15
F	.25 Span 2	0.00	-17.00	18+50.00	545.22	545.24	+9.78	-0.07	18+40.22	545.54	545.56	+21.76	+20.68	18+28.86	545.93	545.95	1.51	545.15	1.54	545.15	1.57	545.15
G	.50 Span 2	-10.92	-17.09	18+61.19	545.27	545.31	-1.06	0.00	18+51.06	545.58	545.62	+11.02	+20.92	18+39.29	545.97	546.01	1.25	545.15	1.24	545.15	1.29	545.15
H	.25 Span 2	-21.85	-17.34	18+72.38	545.31	545.33	-11.89	-0.10	18+61.89	545.62	545.64	+0.29	+21.00	18+49.72	546.01	546.03	1.50	545.15	1.46	545.15	1.58	545.15
I	Brig. No. 2	-32.78	-17.77	18+83.58	545.36	545.36	-22.73	-0.36	18+72.73	545.67	545.67	-10.44	+20.93	18+60.14	546.05	546.05	2.07	545.15	2.05	545.15	2.09	545.15
J	.75 Span 3	-41.21	-18.22	18+92.24	545.39	545.40	-31.08	-0.68	18+81.09	545.70	545.71	-18.71	+20.76	18+68.17	546.09	546.10	1.44	545.15	1.47	545.15	1.53	545.15
K	.50 Span 3	-49.64	-18.76	19+00.89	545.43	545.46	-39.43	-1.09	18+89.45	545.73	545.76	-26.97	+20.51	18+76.20	546.12	546.15	1.22	545.15	1.21	545.15	1.29	545.15
L	.25 Span 3	-58.07	-19.42	19+09.55	545.46	545.49	-47.78	-1.60	18+97.82	545.77	545.80	-35.22	+20.16	18+84.23	546.15	546.18	1.27	545.15	1.27	545.15	1.33	545.15
M	Brig. No. Abut.	-66.49	-20.17	19+18.21	545.50	545.50	-56.12	-2.20	19+06.18	545.80	545.80	-43.46	+19.72	18+92.25	546.18	546.18	1.26	545.15	1.24	545.15	1.30	545.15

Note:
Elevations do not include 1 1/2" Wearing Surface.

Note: Deck Elevations may be interpolated along lettered and numbered lines.
DECK ELEVATIONS
(See Key Plan for Locations)



BEARING DETAIL AT ABUTMENTS
Est. Wt. of Bearings 3445 lbs.

DETAIL OF PREFORMED ELASTIC JOINT SEALER
Total Est. Length 90 Lin. Ft.

CHURCHILL ROAD OVER JACKSONVILLE BRANCH PROJECT NO. 130 CAPITOL TOWNSHIP SANGAMON COUNTY STA. 18 + 50 AS BUILT

DETAIL, LAYOUT & DECK ELEVATIONS

	DESIGNED	J.C.C.	DATE	M.L.B.
	CHECKED			

Sheet 4 of 11
DATE: 12/30/15
NO. 7320

FILE NAME: C:\SP\WHKS & COL\Jobs-Spring - Projects\Springfield City 018941 Churchill Rd\CADD\CAD_Sheets\084_6000-0000.dgn



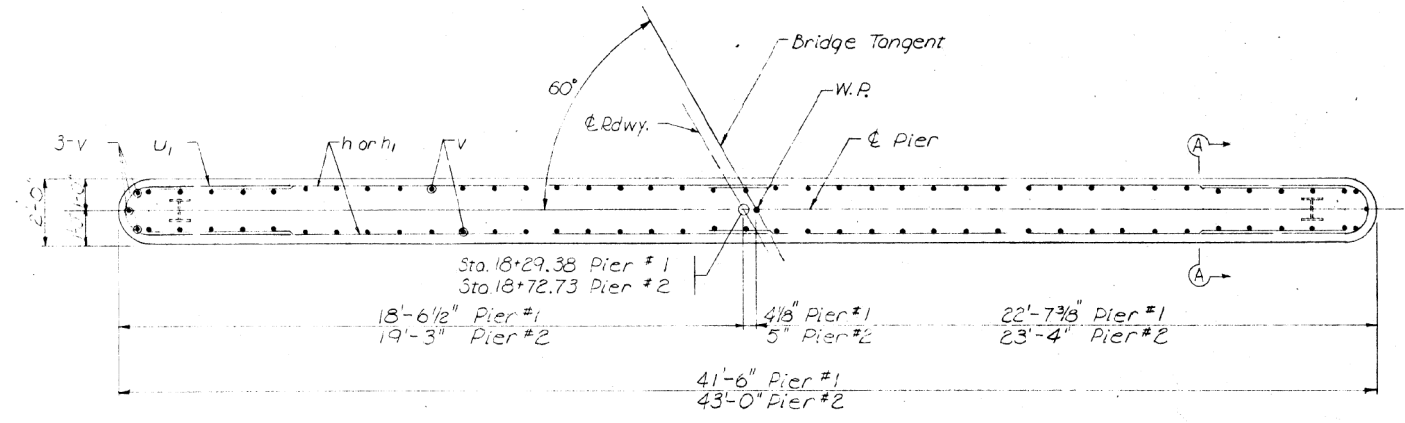
USER NAME =	dheberling	DESIGNED -	SBC	REVISED -	
PLOT DATE =	10/28/2021	CHECKED -	BRD	REVISED -	
PLOT DATE =	10:14:09 AM	DRAWN -	DLH	REVISED -	
		CHECKED -	SBC	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS (FOR INFORMATION ONLY)
STRUCTURE NO. 084-6000
SHEET 24 OF 28 SHEETS

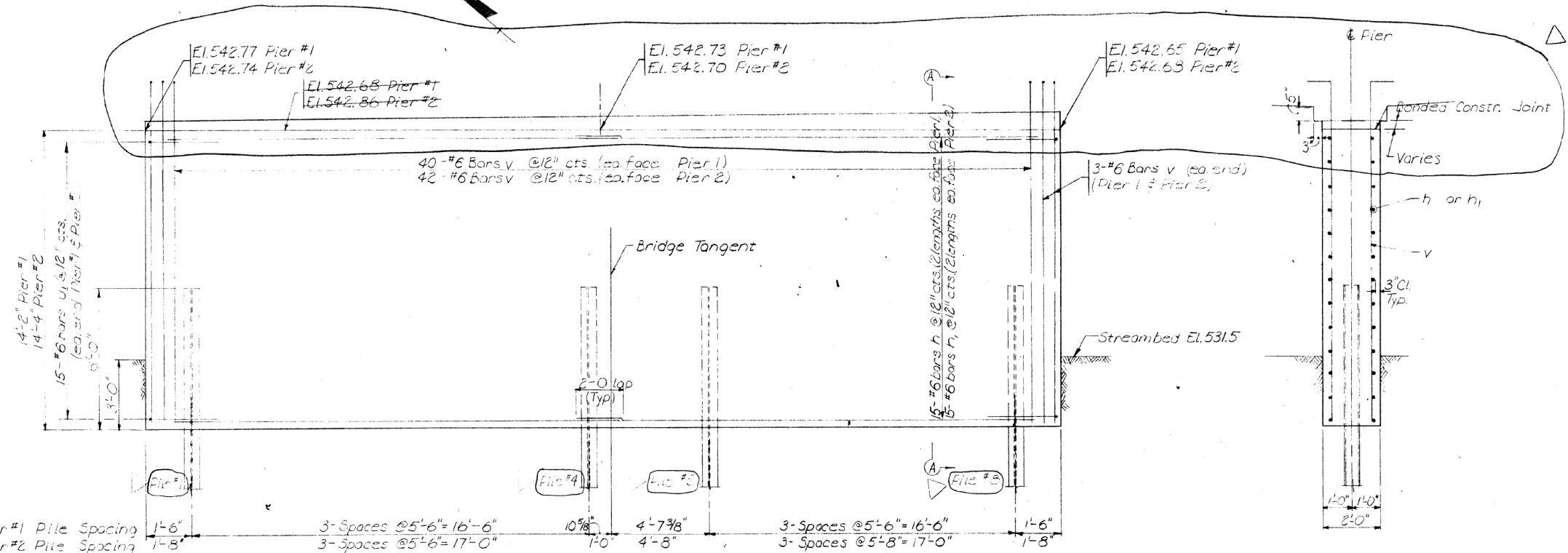
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1920	19-00487-00-BR	SANGAMON	60	38
CONTRACT NO. 93777				
ILLINOIS FED. AID PROJECT				

PIER #1				PIER #2			
Pile No. (Last Ft.)	Blows/Ft.	Tip Elev.	Tip	Pile No. (Last Ft.)	Blows/Ft.	Tip Elev.	Tip
1	176	539.50	445.50	1	106	539.13	495.13
2	134	539.63	495.62	2	131	538.93	497.73
3	119	539.72	493.72	3	122	538.64	477.64
4	124	540.07	494.07	4	176	537.13	496.13
5	120	539.79	493.79	5	104	539.03	495.03
6	110	538.06	477.06	6	108	538.78	477.78
7	106	538.32	477.32	7	101	538.42	477.42
8	113	537.37	477.37	8	105	538.15	477.15



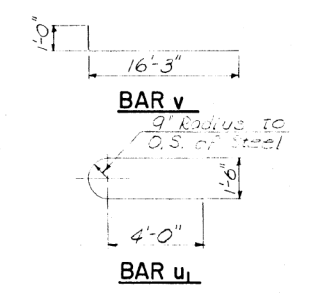
PLAN

Pier No. 1 & Pier No. 2 built substantially in accordance with plans except as noted.



ELEVATION

SECTION A-A



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h	60	#6	20'-9"	
h _r	60	#6	21'-6"	
u _r	60	#6	10'-3"	
v	175	#6	17'-3"	
Class 1 Concrete		Cu. Yds	88.3	
Reinforcement Bars		Lbs	9295	
Furnishing Steel Piles		Lin. Ft.	615	
Driving Steel Piles		Lin. Ft.	615	
Test Piles (Pier #2)		Each	1	

Note: All piling HP 10 x 42

CHURCHILL ROAD OVER JACKSONVILLE BRANCH PROJECT NO. 130 CAPITOL TOWNSHIP SANGAMON COUNTY STA. 18 +50 AS BUILT

PIER NO. 1 & PIER NO. 2

CASSON ENGINEERING COMPANY

J.C. M.L.B.

Sheet 6 of 11 7/23/17 1320

Rev. 11/29/16

FILE NAME: C:\SP\WHKS & COL\Jobs-Spring - Projects\Springfield City 018941 Churchill Rd\CAD\CAD_Sheets\084_6000-00000.dgn



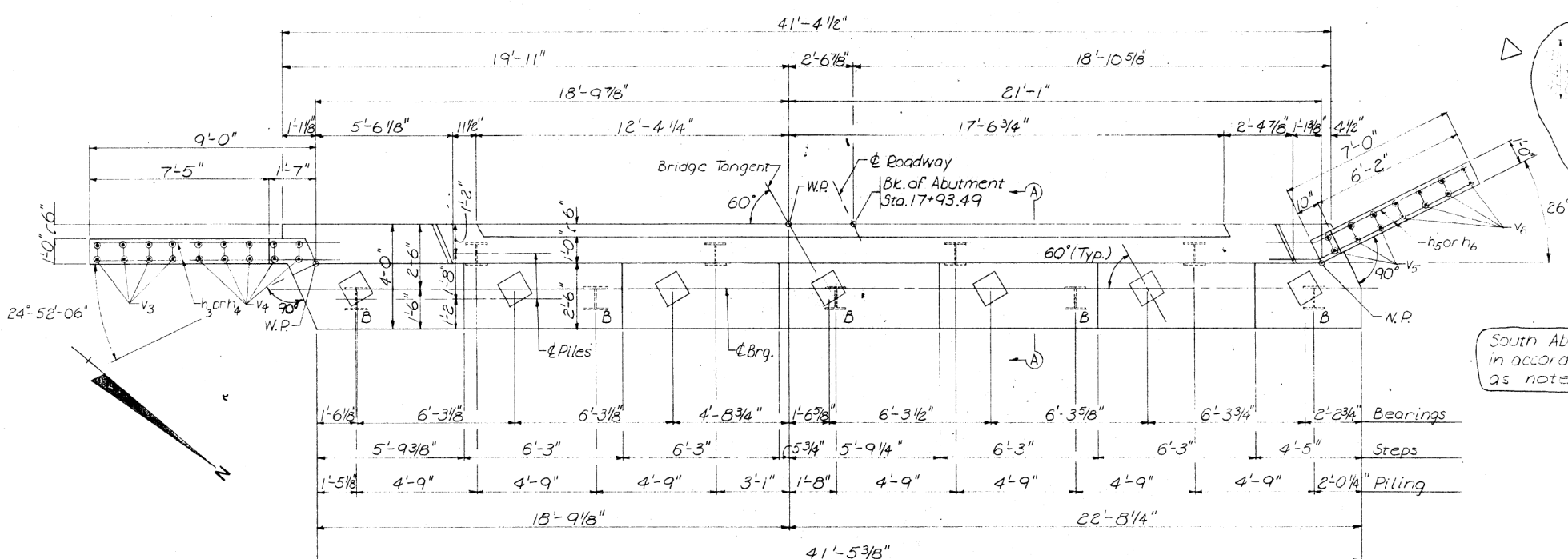
USER NAME = dheberling	DESIGNED - SBC	REVISED -
PLOT DATE = 10/28/2021	CHECKED - BRD	REVISED -
PLOT DATE = 10:14:25 AM	DRAWN - DLH	REVISED -
	CHECKED - SBC	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

EXISTING PLANS (FOR INFORMATION ONLY) STRUCTURE NO. 084-6000

SHEET 25 OF 28 SHEETS

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1920	19-00487-00-BR	SANGAMON	60	39
			CONTRACT NO. 93777	
		ILLINOIS FED. AID PROJECT		

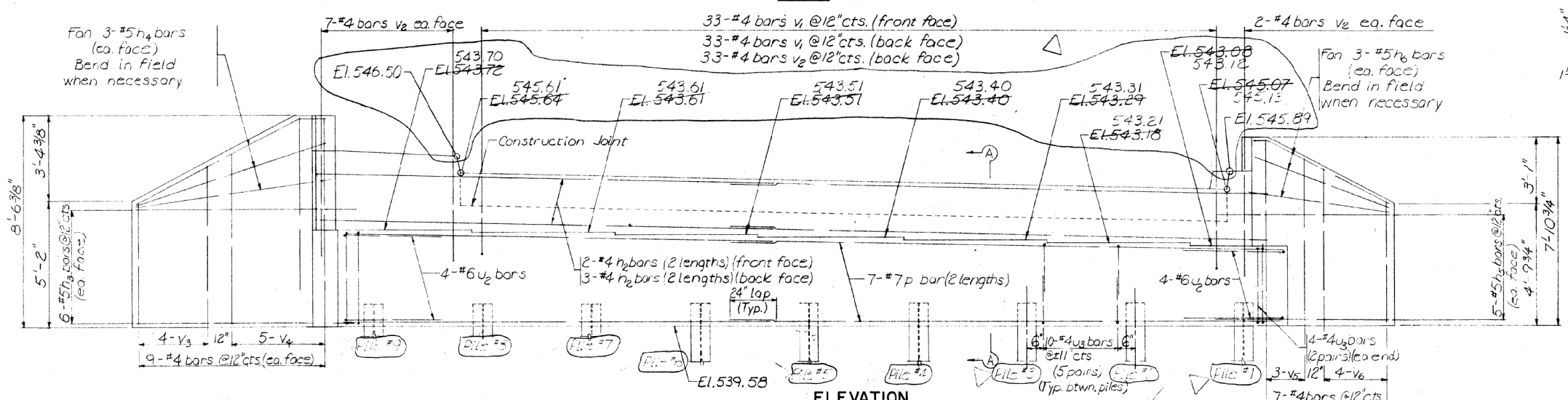


SOUTH ABUTMENT

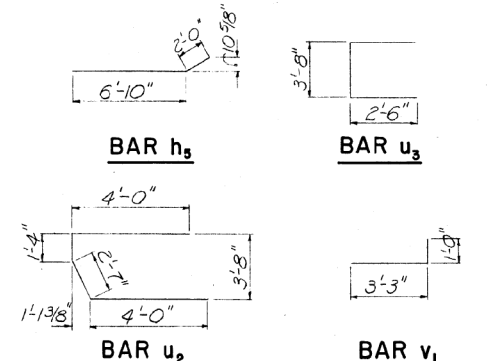
Pile No.	Blows/Ft.	Elevation	Notes
1	152	543.25	475.25
2	144	543.21	475.21
3	184	543.01	475.50
4	160	543.05	475.50
5	168	543.05	475.50
6	143	543.05	475.50
7	216	543.04	475.50
8	180	543.05	475.50
9	184	543.06	475.50

South Abutment built substantially in accordance with plans except as noted.

PLAN



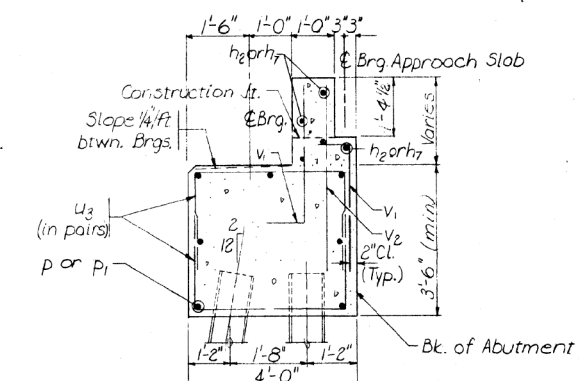
ELEVATION



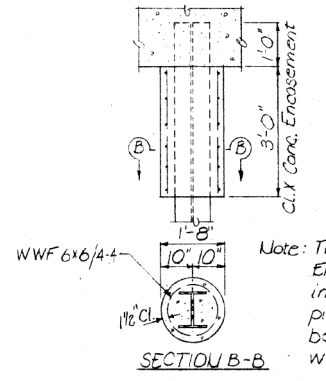
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h3	10	#4	21'-7"	
h3	12	#5	10'-0"	
h4	6	#5	8'-7"	
h5	10	#5	8'-10"	
h6	6	#5	7'-0"	
p	14	#7	21'-6"	
u2	8	#6	11'-11"	
u3	88	#4	8'-8"	
v1	66	#4	4'-3"	
v2	51	#4	4'-3"	
v3	8	#4	4'-10"	
v4	10	#4	6'-8"	
v5	6	#4	6'-6"	
v6	3	#4	4'-5"	
Class X Concrete				Cu. Yds 30.3
Reinforcement Bars				Lbs 2180
Furnishing Steel Piles				Lin.Ft 352
Driving Steel Piles				Lin.Ft 352
Test Piles				Each 1

Note: All piling HP 10x42



SECTION A-A



PILE ENCASEMENT

Note: The cost of Class X Concrete Encasement and Reinforcement is incidental to the cost of furnishing piles. Forms for encasement may be omitted when soil conditions will permit.

CHURCHILL ROAD OVER JACKSONVILLE BRANCH PROJECT NO. 130 CAPITOL TOWNSHIP SANGAMON COUNTY STA. 18 + 50 AS BUILT

SOUTH ABUTMENT

CASSON ENGINEERING COMPANY

J.C.C. M.L.B.

Sheet 7 of 11

12/30/75 7320

Rev. 1/29/76

FILE NAME: C:\SP\WHKS & CO\Jobs-Spring - Projects\Springfield City 08941 Churchill Rd\CADD\CAD_Sheets\084_6000-00000.dgn



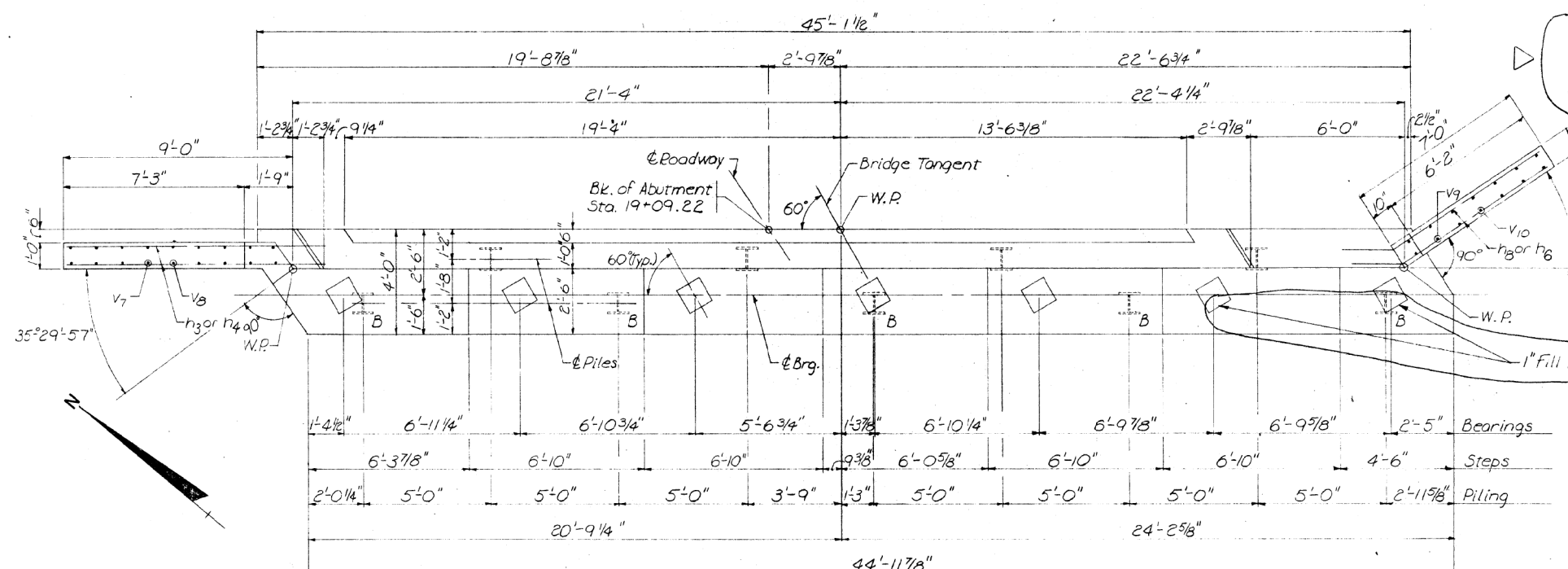
USER NAME = dheberling	DESIGNED - SBC	REVISED -
PLOT DATE = 10/28/2021	CHECKED - BRD	REVISED -
PLOT DATE = 10:14:41 AM	DRAWN - DLH	REVISED -
	CHECKED - SBC	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

EXISTING PLANS (FOR INFORMATION ONLY) STRUCTURE NO. 084-6000

SHEET 26 OF 28 SHEETS

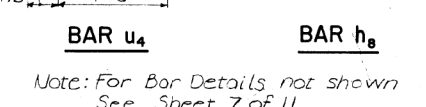
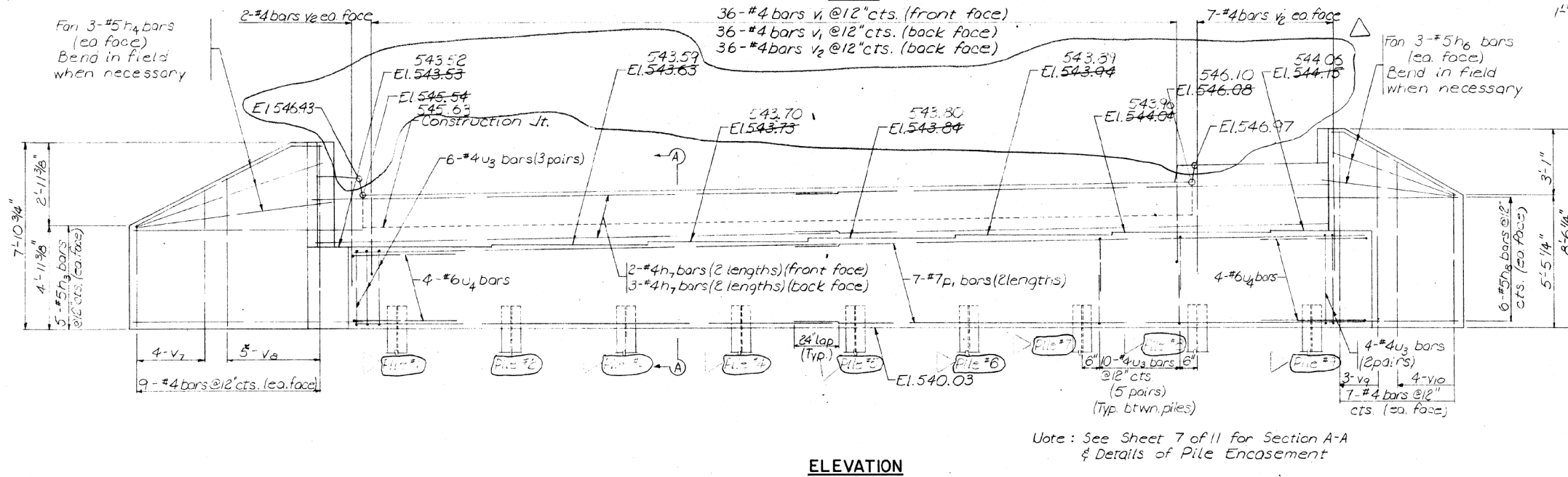
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1920	19-00487-00-BR	SANGAMON	60	40
CONTRACT NO. 93777				
ILLINOIS		FED. AID PROJECT		



NORTH ABUTMENT

File No.	Blows/Ft. (Last Ft.)	Cut-off	Elevations	Splice Dist.
1	98	541.0±	477.0±	4.25
2	100	541.0±	478.0±	4.57
3	102	541.0±	479.0±	5.21
4	108	541.0±	477.7±	1.48
5	102	541.0±	-	-0-
6	110	541.0±	477.0±	-0-
7	98	541.0±	477.17	4.28
8	99	541.0±	477.0±	-0-
9	98	541.0±	474.5±	5.46

North Abutment built substantially in accordance with plans except as noted.



BILL OF MATERIAL

Bar	No	Size	Length	Shape
h ₃	10	#5	10'-0"	U
h ₄	6	#5	8'-7"	U
h ₆	6	#5	7'-0"	U
h ₇	10	#4	23'-5"	U
h ₈	12	#5	8'-10"	U
p ₁	14	#7	23'-4"	U
u ₃	90	#4	8'-8"	U
u ₄	8	#6	12'-2"	U
v ₁	72	#4	4'-3"	U
v ₂	54	#4	4'-3"	U
v ₇	8	#4	4'-7"	U
v ₈	10	#4	6'-3"	U
v ₉	6	#4	7'-2"	U
v ₁₀	8	#4	5'-1"	U
Class X Concrete		Cu Yds	32.2	
Reinforcement Bars		Lbs.	2285	
Furnishing Steel Piles		Lin.Ft.	396	
Driving Steel Piles		Lin.Ft.	396	

Note: All piling HP 10x42

Note: See Sheet 7 of 11 for Section A-A & Details of Pile Encasement

CHURCHILL ROAD OVER JACKSONVILLE BRANCH PROJECT NO. 130 CAPITOL TOWNSHIP SANGAMON COUNTY STA. 18+50 AS BUILT

NORTH ABUTMENT

CASSON ENGINEERING COMPANY

Sheet 8 of 11

Rev. 1/29/76

FILE NAME: C:\SP\WHKS & COL\Jobs-Spring - Projects\Springfield City at 0941 Churchill Rd\CADD\CAD_Sheets\084_6000-00000.dgn

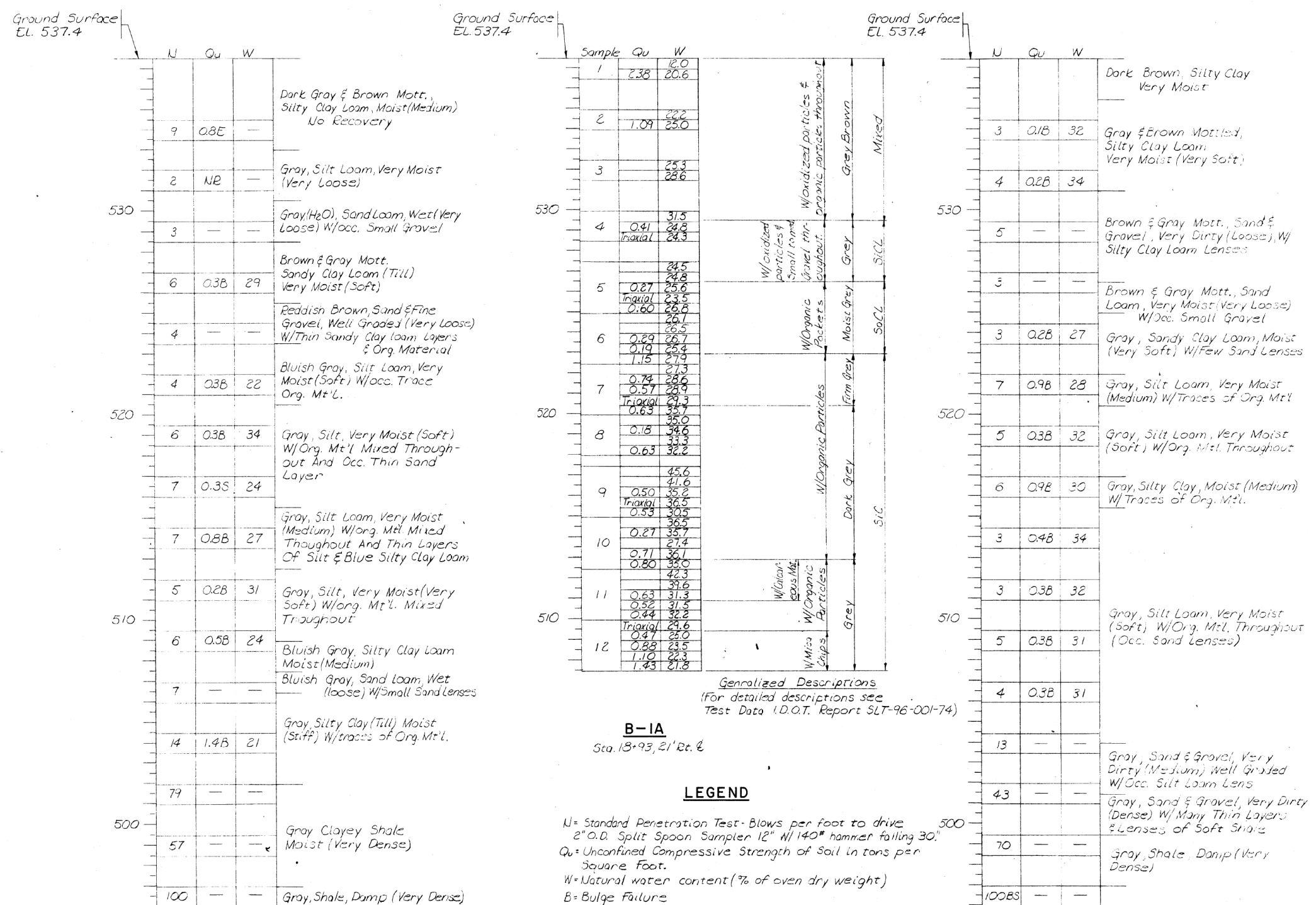


USER NAME = dheberling	DESIGNED - SBC	REVISED -
PLOT DATE = 10/28/2021	CHECKED - BRD	REVISED -
PLOT DATE = 10:14:58 AM	DRAWN - DLH	REVISED -
	CHECKED - SBC	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

EXISTING PLANS (FOR INFORMATION ONLY) STRUCTURE NO. 084-6000

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1920	19-00487-00-BR	SANGAMON	60	41
CONTRACT NO. 93777				
ILLINOIS FED. AID PROJECT				



Generalized Descriptions
 (For detailed descriptions see
 Test Data I.D.O.T. Report SLT-96-001-74)

B-1A
 Sta. 18+93, 21' R.L.

LEGEND

- N= Standard Penetration Test - Blows per foot to drive 2" O.D. Split Spoon Sampler 12" W/140# hammer falling 30"
- Qu= Unconfined Compressive Strength of Soil in tons per Square Foot.
- W= Natural water content (% of oven dry weight)
- B= Bulge Failure
- E= Estimated Value
- S= Shear Failure
- N.R.= No Recovery
- B.S.= Before Seating

B-1
 Sta. 18+93, 19.8' R.L.

B-2
 Sta. 17+91, 26.0' L.L.

CHURCHILL ROAD
 OVER
 JACKSONVILLE BRANCH
 PROJECT NO. 130
 CAPITOL TOWNSHIP
 SANGAMON COUNTY
 STA. 18+50 AS BUILT

Sheet 9 of 11

BORINGS

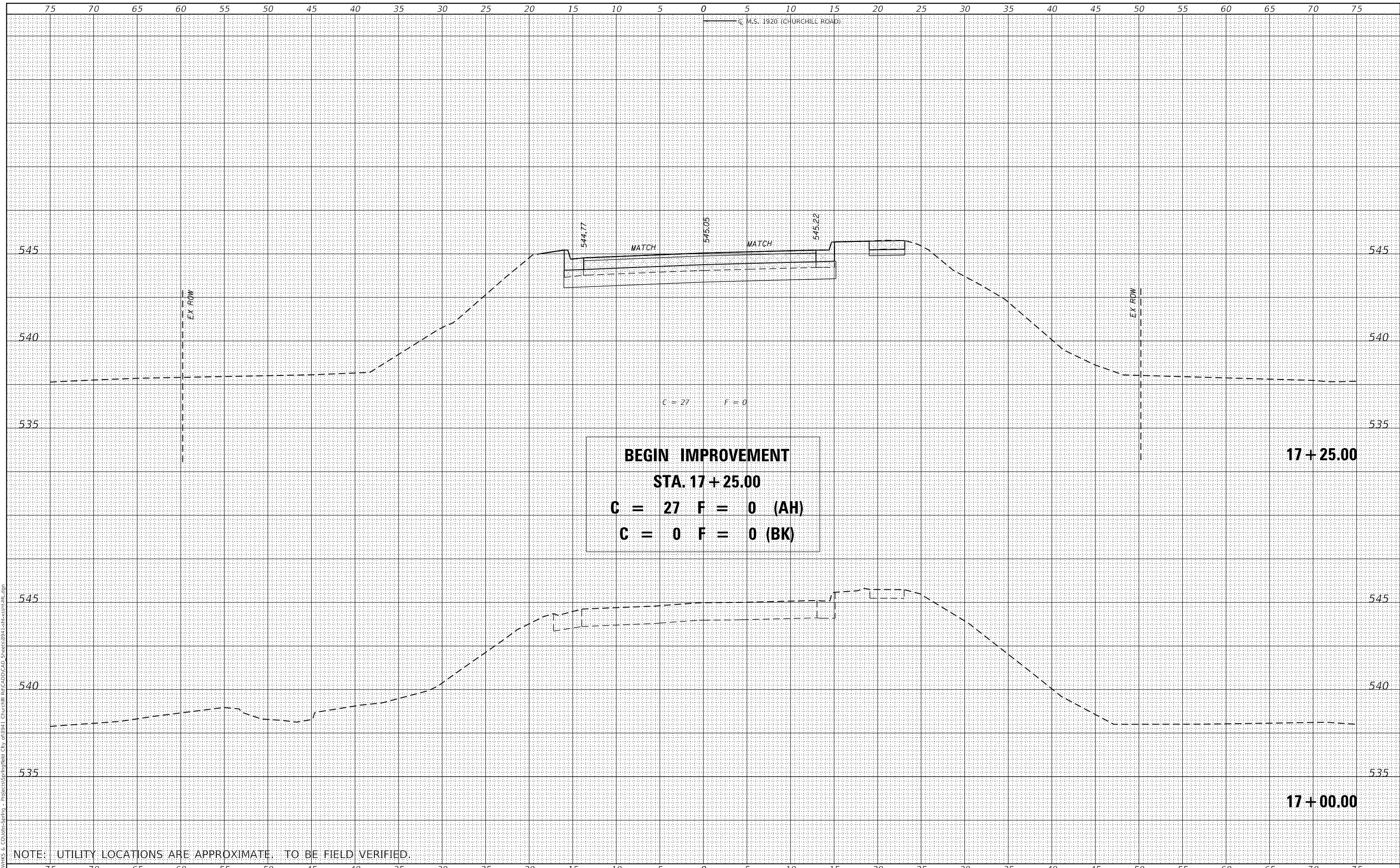
DESIGNED	REVISION	DATE
CASSON ENGINEERING COMPANY		
Sheet 9 of 11	DATE 12/13/07	FILE # 7320

FILE NAME: C:\SP\WHKS & COL\Jobs-Spring - Projects\Springfield City 018941 Churchill Rd\ADD\CAD_Sheets\084_6000-0000.dgn

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED
	AREAS CHECKED

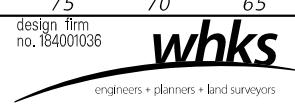
DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED
	AREAS CHECKED

MODEL: Definit
 FILE NAME: C:\pawkins & Co\Jobs-Springs - Projects\Springfield City 019941 - Churchill Rd\CADD\CAD - Sheets\0941-Latheshh-14.dgn



BEGIN IMPROVEMENT
STA. 17+25.00
C = 27 F = 0 (AH)
C = 0 F = 0 (BK)

NOTE: UTILITY LOCATIONS ARE APPROXIMATE. TO BE FIELD VERIFIED.



USER NAME = gjameson	DESIGNED - RKA	REVISED -
	DRAWN - GSJ	REVISED -
PLOT SCALE = 1/20,000" = 1" / ft.	CHECKED - SDS	REVISED -
PLOT DATE = 10/28/2021	DATE - 10/28/2021	REVISED -

CITY OF SPRINGFIELD

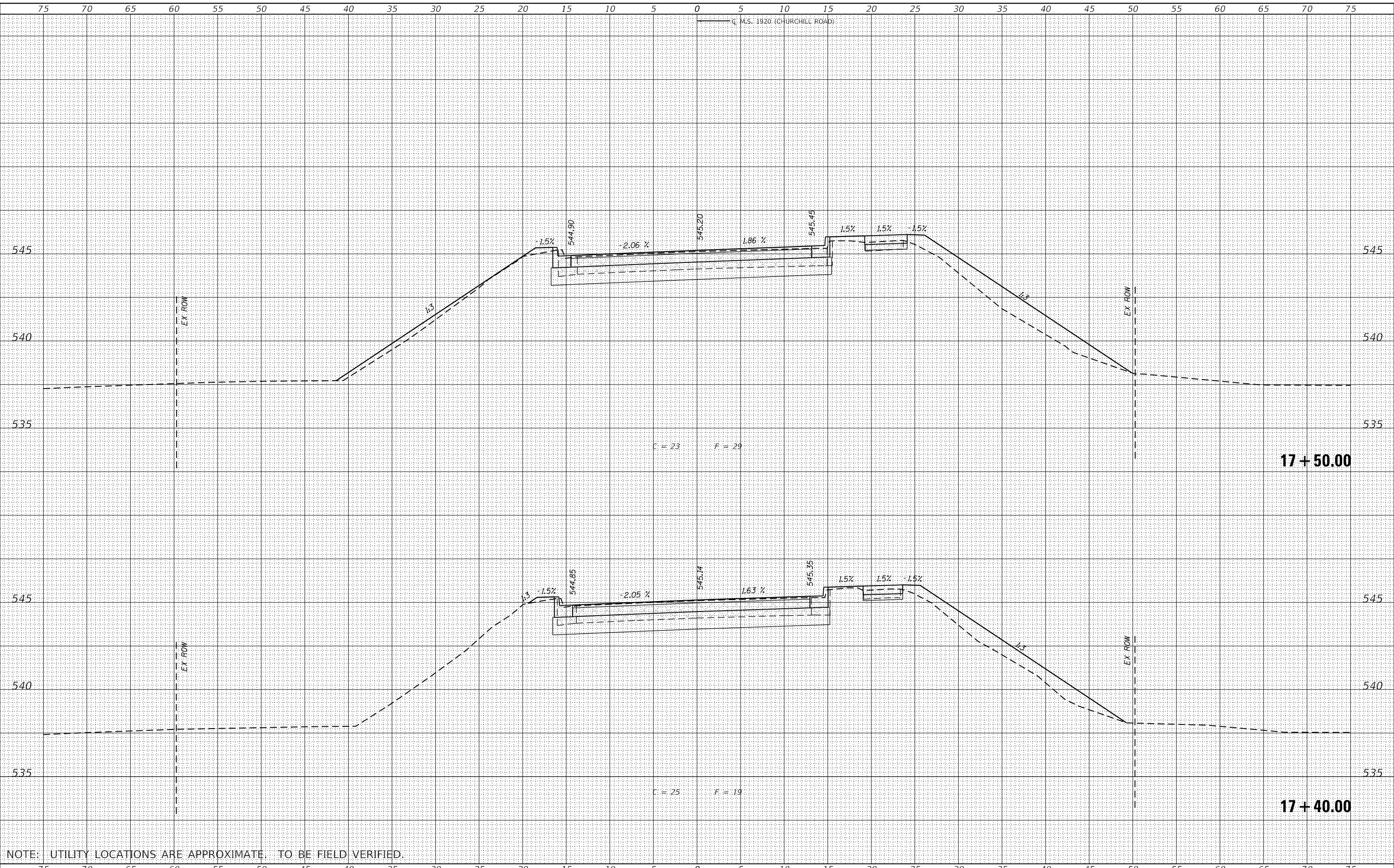
CROSS SECTIONS			
M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS
1920	19-00487-00-BR	SANGAMON	60
SCALE: 1" = 5'			SHEET 1 OF 18 SHEETS
STA. 17+00.00			TO STA. 17+25.00

M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1920	19-00487-00-BR	SANGAMON	60	43
CONTRACT NO. 93777				
ILLINOIS FED. AID PROJECT				

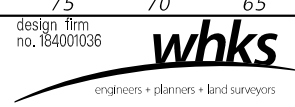
DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

MODEL: Definit
 FILE NAME: C:\pawkins & co\libs\spring - Projects\Springfield City 01941 - Churchill Rd\CAD\CAD_Sheets\091-Latheshh-14.dgn



NOTE: UTILITY LOCATIONS ARE APPROXIMATE. TO BE FIELD VERIFIED.



USER NAME	= gjameson	DESIGNED	- RKA	REVISED	-
		DRAWN	- GSJ	REVISED	-
PLOT SCALE	= 120,000' / ft.	CHECKED	- SDS	REVISED	-
PLOT DATE	= 10/28/2021	DATE	- 10/28/2021	REVISED	-

CITY OF SPRINGFIELD

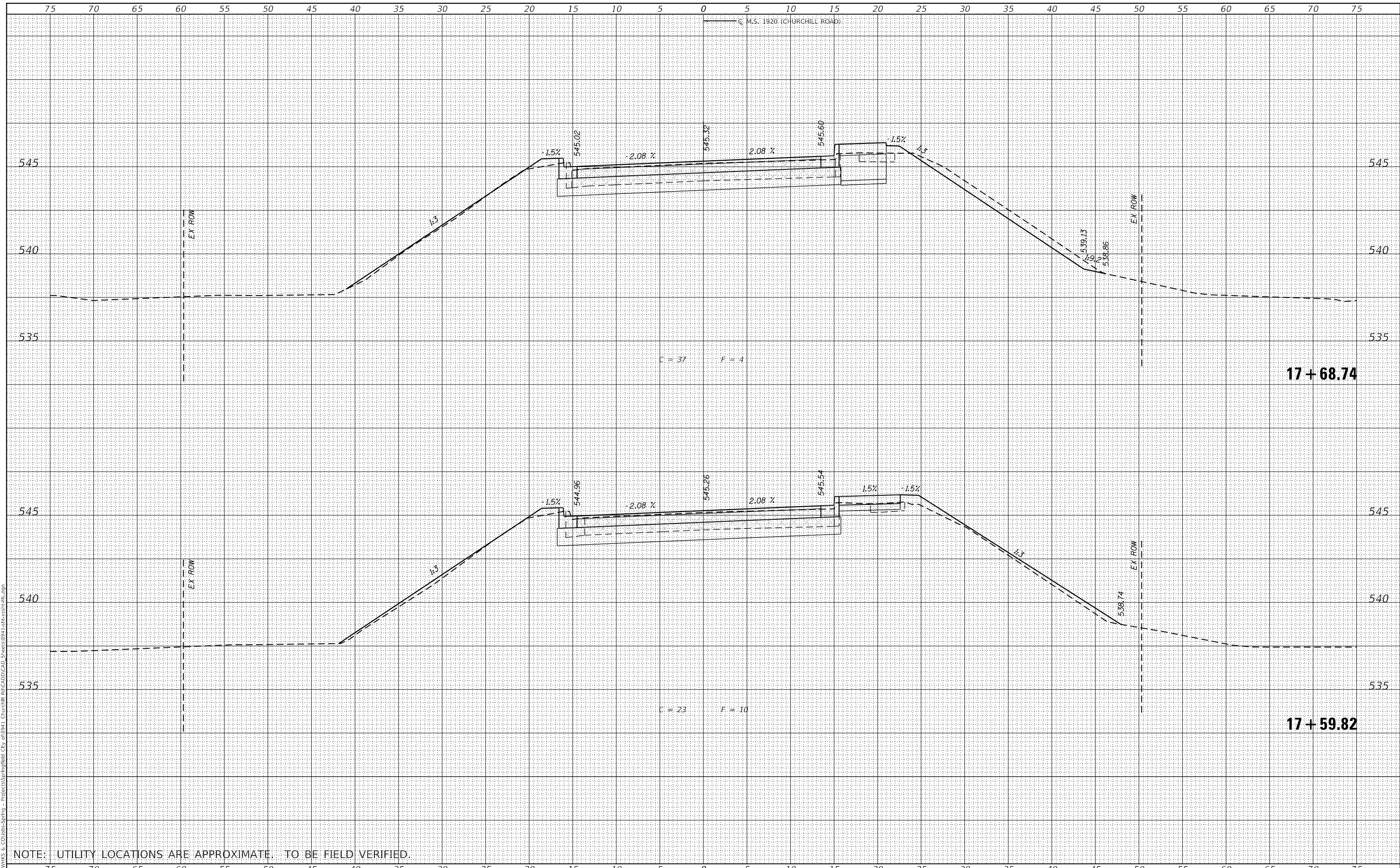
CROSS SECTIONS			
CHURCHILL ROAD OVER JACKSONVILLE BRANCH			
SCALE: 1" = 5'	SHEET 2	OF 18 SHEETS	STA. 17+40.00 TO STA. 17+50.00

M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1920	19-00487-00-BR	SANGAMON	60	44
				CONTRACT NO. 93777
				ILLINOIS FED. AID PROJECT

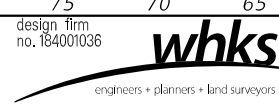
DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

MODEL: Default
 FILE NAME: C:\pawkins & co\jobs-spring - Projects\Springfield City 09377 - Churchill Rd\CAD\CAD_Sheets\0941-Latheshh-14.dgn



NOTE: UTILITY LOCATIONS ARE APPROXIMATE. TO BE FIELD VERIFIED.



USER NAME	= gjameson
DESIGNED	- RKA
DRAWN	- GSJ
CHECKED	- SDS
DATE	- 10/28/2021

REVISED	-
REVISED	-
REVISED	-
REVISED	-

CITY OF SPRINGFIELD

CROSS SECTIONS
CHURCHILL ROAD OVER JACKSONVILLE BRANCH

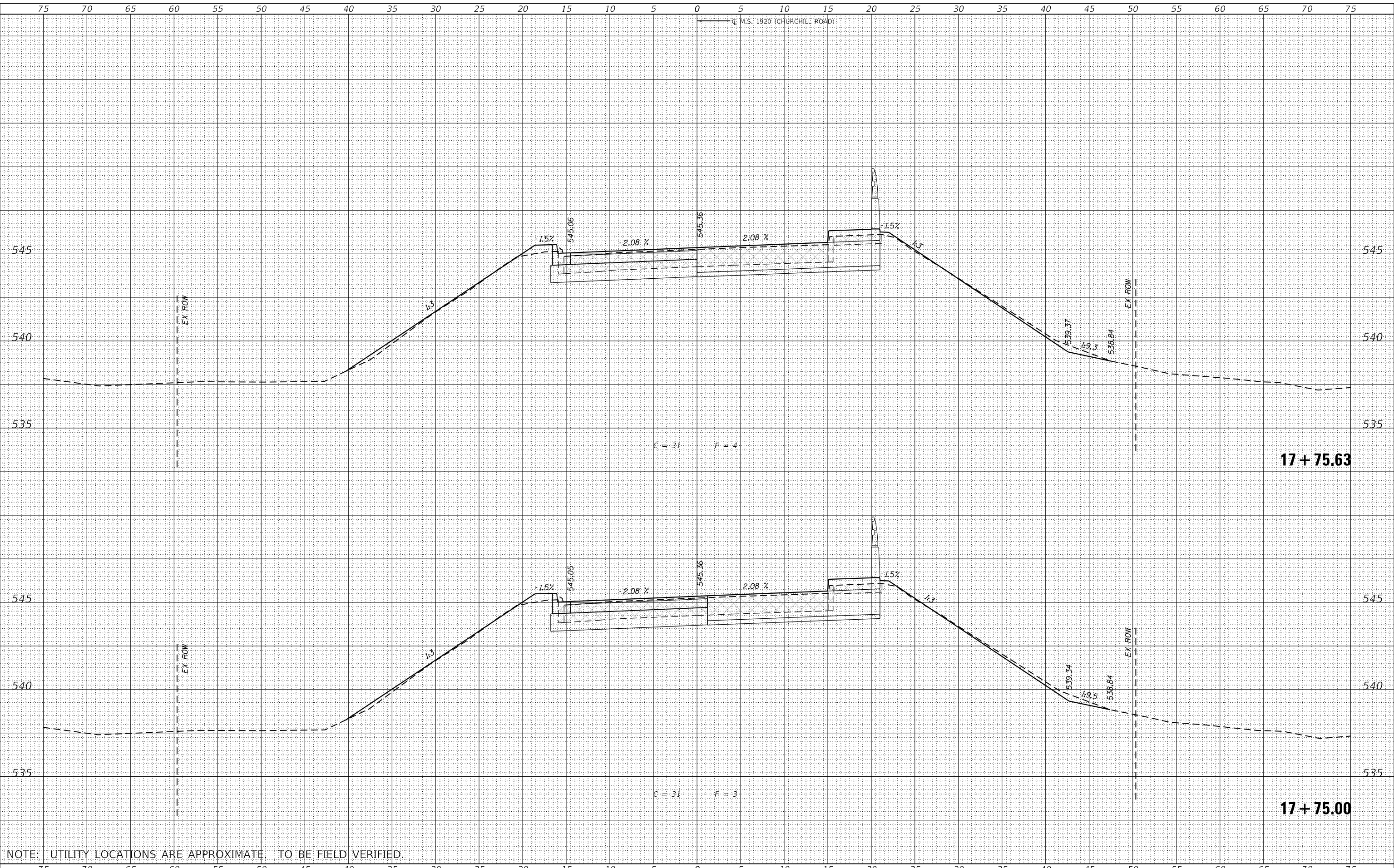
SCALE: 1" = 5' SHEET 3 OF 18 SHEETS STA. 17+59.82 TO STA. 17+68.74

M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1920	19-00487-00-BR	SANGAMON	60	45
			CONTRACT NO. 93777	
		ILLINOIS	FED. AID PROJECT	

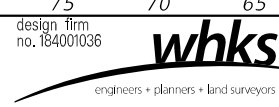
FINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	BY
AREAS CHECKED	TEMPLATE	
	AREAS CHECKED	

ORIGINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	BY
AREAS CHECKED	TEMPLATE	
	AREAS CHECKED	

MODEL: Definit
 FILE NAME: C:\pawkins & collob-springs - projects\Springfield City 01941 - Churchill Rd\CADD\CAD-Sheets\0941-Landscape-All.dgn



NOTE: UTILITY LOCATIONS ARE APPROXIMATE. TO BE FIELD VERIFIED.



USER NAME = gjameson	DESIGNED - RKA	REVISED -
	DRAWN - GSJ	REVISED -
PLOT SCALE = 1/20,000' / ft.	CHECKED - SDS	REVISED -
PLOT DATE = 10/28/2021	DATE - 10/28/2021	REVISED -

CITY OF SPRINGFIELD

CROSS SECTIONS
 CHURCHILL ROAD OVER JACKSONVILLE BRANCH

SCALE: 1" = 5' SHEET 4 OF 18 SHEETS STA. 17+75.00 TO STA. 17+75.63

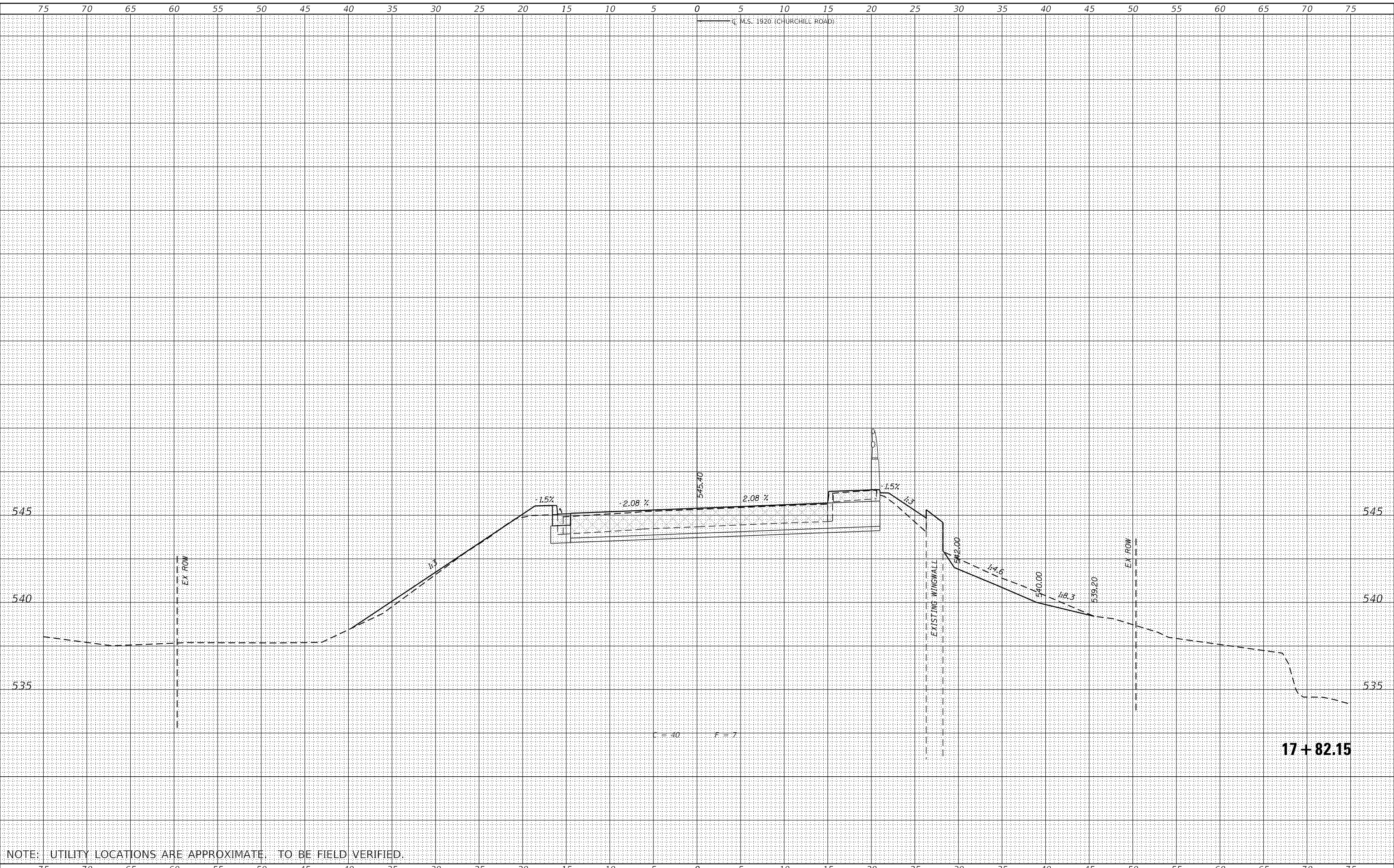
M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1920	19-00487-00-BR	SANGAMON	60	46
CONTRACT NO. 93777				

ILLINOIS FED. AID PROJECT

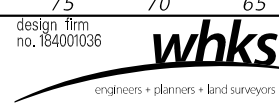
FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE
NOTE BOOK NO.	TEMPLATE AREAS CHECKED		

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

MODEL: Definit
 FILE NAME: C:\pawkins & Co\Jobs-Springs - Projects\Springfield City\09041 - Churchill Rd\CADD\CAD - Sheets\09041-17+82.15.dwg



NOTE: UTILITY LOCATIONS ARE APPROXIMATE. TO BE FIELD VERIFIED.



USER NAME = gjameson	DESIGNED - RKA	REVISED -
PLOT SCALE = 1/20,000' / ft.	DRAWN - GSJ	REVISED -
PLOT DATE = 10/28/2021	CHECKED - SDS	REVISED -
	DATE - 10/28/2021	REVISED -

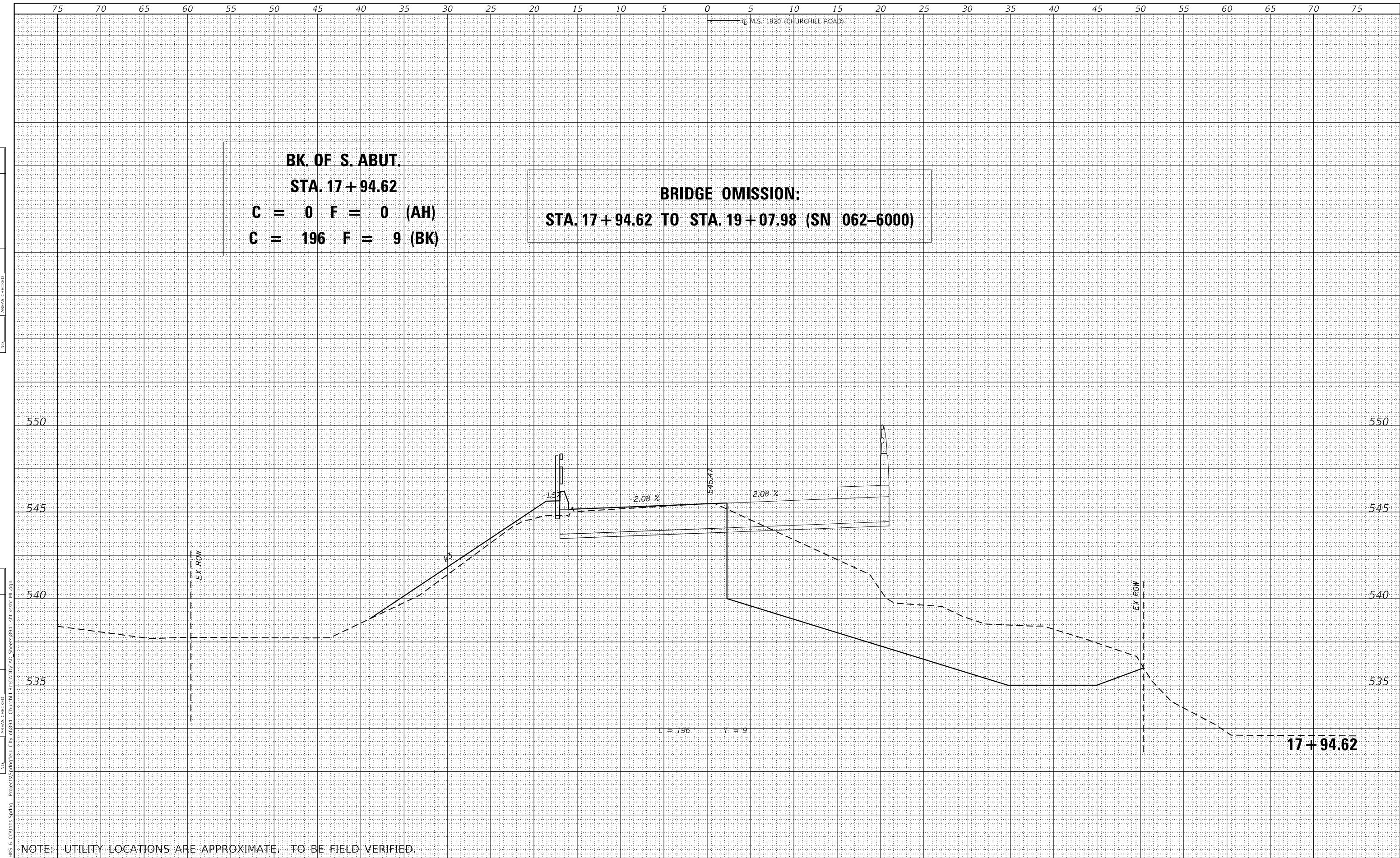
CITY OF SPRINGFIELD

CROSS SECTIONS			
CHURCHILL ROAD OVER JACKSONVILLE BRANCH			
SCALE: 1" = 5'	SHEET 5	OF 18 SHEETS	STA. 17+82.15 TO STA. 17+82.15

M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1920	19-00487-00-BR	SANGAMON	60	47
CONTRACT NO. 93777				
ILLINOIS		FED. AID PROJECT		

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
FINAL SURVEY	
NOTE BOOK	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	



BK. OF S. ABUT.
STA. 17 + 94.62
C = 0 F = 0 (AH)
C = 196 F = 9 (BK)

BRIDGE OMISSION:
STA. 17 + 94.62 TO STA. 19 + 07.98 (SN 062-6000)

NOTE: UTILITY LOCATIONS ARE APPROXIMATE. TO BE FIELD VERIFIED.



USER NAME = gjameson	DESIGNED - RKA	REVISED -
	DRAWN - GSJ	REVISED -
PLOT SCALE = 1/20,000' / ft.	CHECKED - SDS	REVISED -
PLOT DATE = 10/28/2021	DATE - 10/28/2021	REVISED -

CITY OF SPRINGFIELD

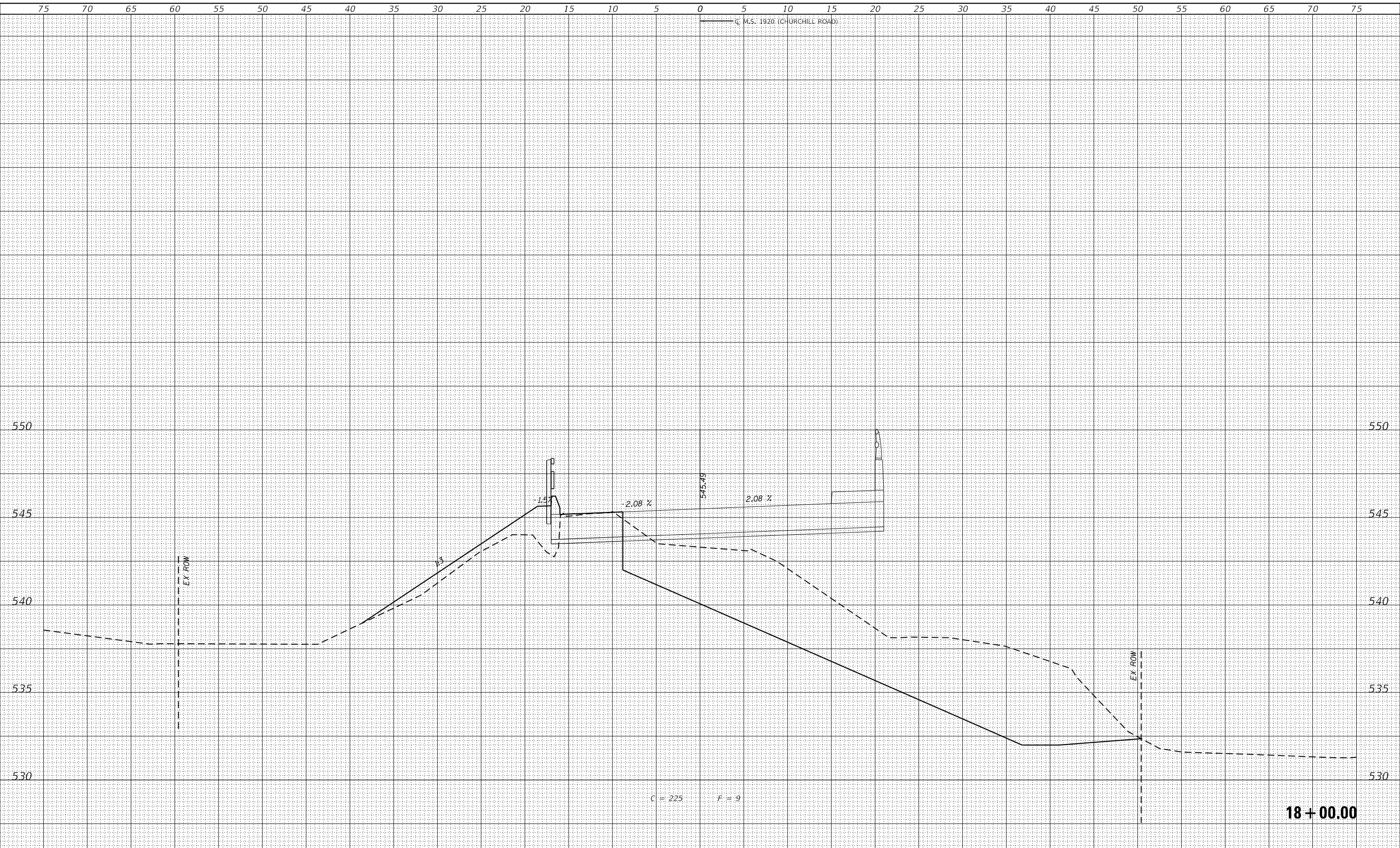
CROSS SECTIONS	
CHURCHILL ROAD OVER JACKSONVILLE BRANCH	
SCALE: 1" = 5'	SHEET 6 OF 18 SHEETS
STA. 17+94.62 TO STA. 17+94.62	

M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1920	19-00487-00-BR	SANGAMON	60	48
CONTRACT NO. 93777				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

MODEL: Definit
 FILE NAME: C:\SPRNGS\GIS\CO\Jobs-Sprng - Projects\Sprngfld City 01941 - Churchill Rd\CADD\CAD-Sheets\0941-Churchill-Rd\cshet-18.dgn



NOTE: UTILITY LOCATIONS ARE APPROXIMATE. TO BE FIELD VERIFIED.

design firm
no. 184001036
whks
engineers • planners • land surveyors

USER NAME = gjameson	DESIGNED - RKA	REVISED -
PLOT SCALE = 1/20,000' / ft.	DRAWN - GSJ	REVISED -
PLOT DATE = 10/28/2021	CHECKED - SDS	REVISED -
	DATE - 10/28/2021	REVISED -

CITY OF SPRINGFIELD

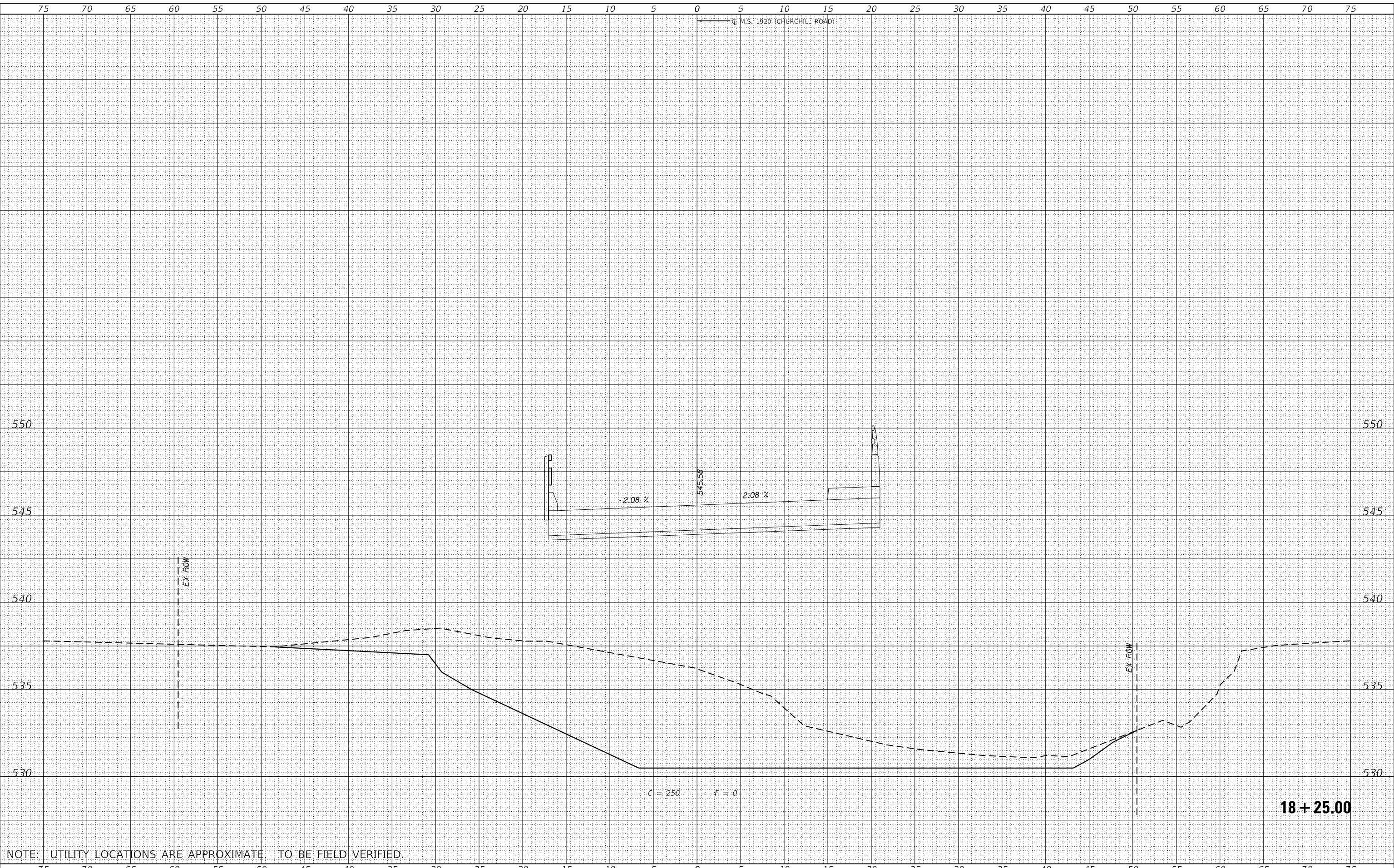
CROSS SECTIONS			
CHURCHILL ROAD OVER JACKSONVILLE BRANCH			
SCALE: 1" = 5'	SHEET 7	OF 18 SHEETS	STA. 18+00.00 TO STA. 18+00.00

M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1920	19-00487-00-BR	SANGAMON	60	49
				CONTRACT NO. 93777
		ILLINOIS	FED. AID PROJECT	

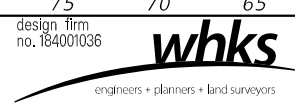
FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE
NOTE BOOK NO.	TEMPLATE AREAS CHECKED		

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE
NOTE BOOK NO.	TEMPLATE AREAS CHECKED		

MODEL: Definit
 FILE NAME: C:\pawmks & CO\jobs-springs - Projects\Springfield City 09377 - Churchill Rd\CADD\CAD-Sheets\0941-Churchill Rd\CADD\CAD-Sheets\0941-Churchill Rd.dwg



NOTE: UTILITY LOCATIONS ARE APPROXIMATE. TO BE FIELD VERIFIED.



USER NAME = gjameson	DESIGNED - RKA	REVISED -
PLOT SCALE = 1/20,000" = 1" / ft.	DRAWN - GSJ	REVISED -
PLOT DATE = 10/28/2021	CHECKED - SDS	REVISED -
	DATE - 10/28/2021	REVISED -

CITY OF SPRINGFIELD

CROSS SECTIONS			
M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS
1920	19-00487-00-BR	SANGAMON	60
CONTRACT NO. 93777			
SCALE: 1" = 5'	SHEET 8	OF 18 SHEETS	STA. 18+25.00 TO STA. 18+25.00

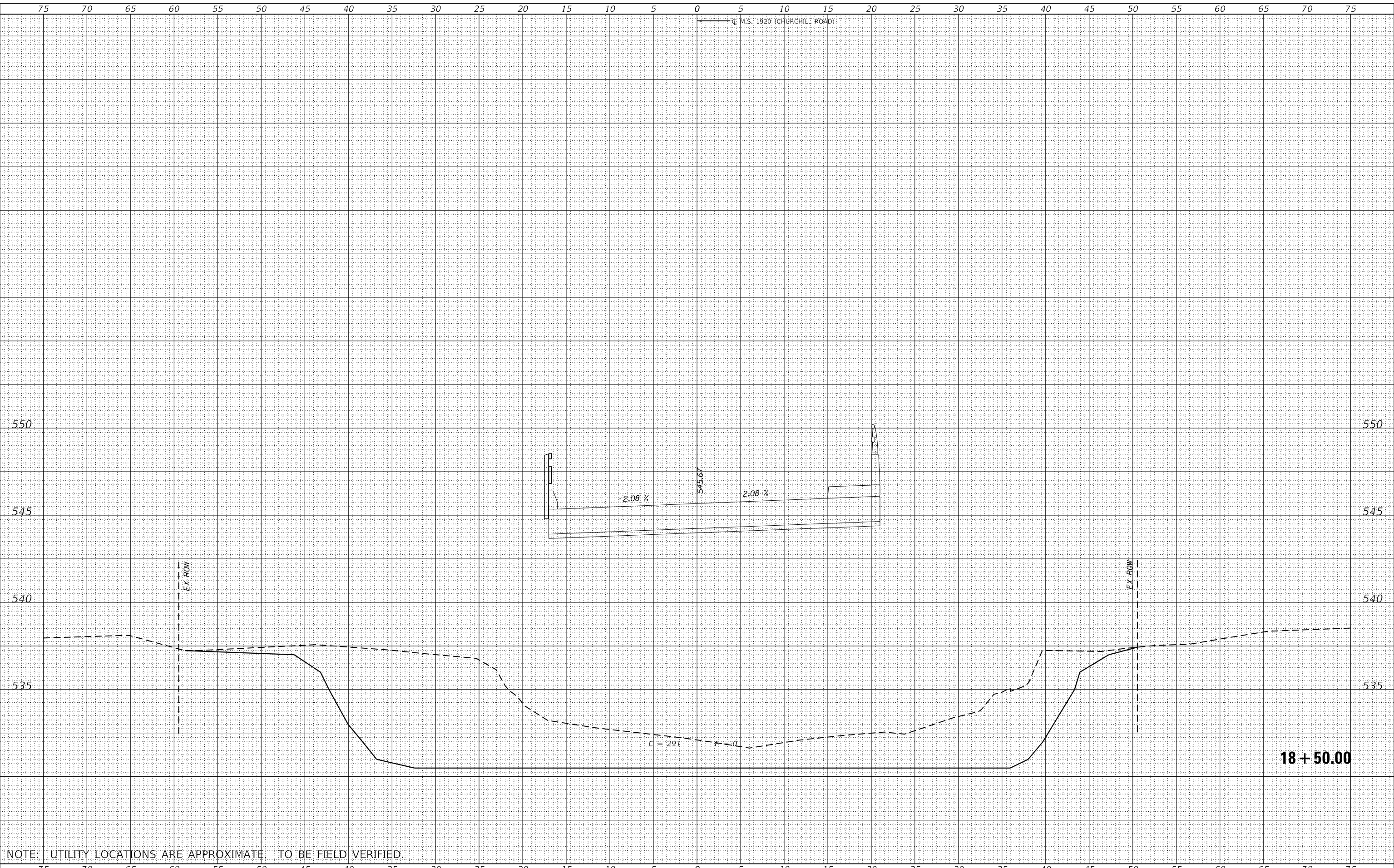
M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1920	19-00487-00-BR	SANGAMON	60	50
CONTRACT NO. 93777				
ILLINOIS FED. AID PROJECT				

18 + 25.00

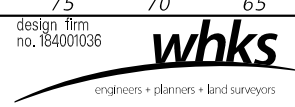
FINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	BY
	TEMPLATE	
	AREAS CHECKED	

ORIGINAL SURVEY NO.	SURVEYED	DATE
	PLOTTED	BY
	TEMPLATE	
	AREAS CHECKED	

MODEL: Definit
 FILE NAME: C:\pawkins & Co\Jobs-Springs - Projects\Springfield City 019371 - Churchill Rd\CADD\CAD-Sheets\091-Latheshh-11.dgn



NOTE: UTILITY LOCATIONS ARE APPROXIMATE. TO BE FIELD VERIFIED.



USER NAME = gjameson	DESIGNED - RKA	REVISED -
	DRAWN - GSJ	REVISED -
PLOT SCALE = 1/20,000" / ft.	CHECKED - SDS	REVISED -
PLOT DATE = 10/28/2021	DATE - 10/28/2021	REVISED -

CITY OF SPRINGFIELD

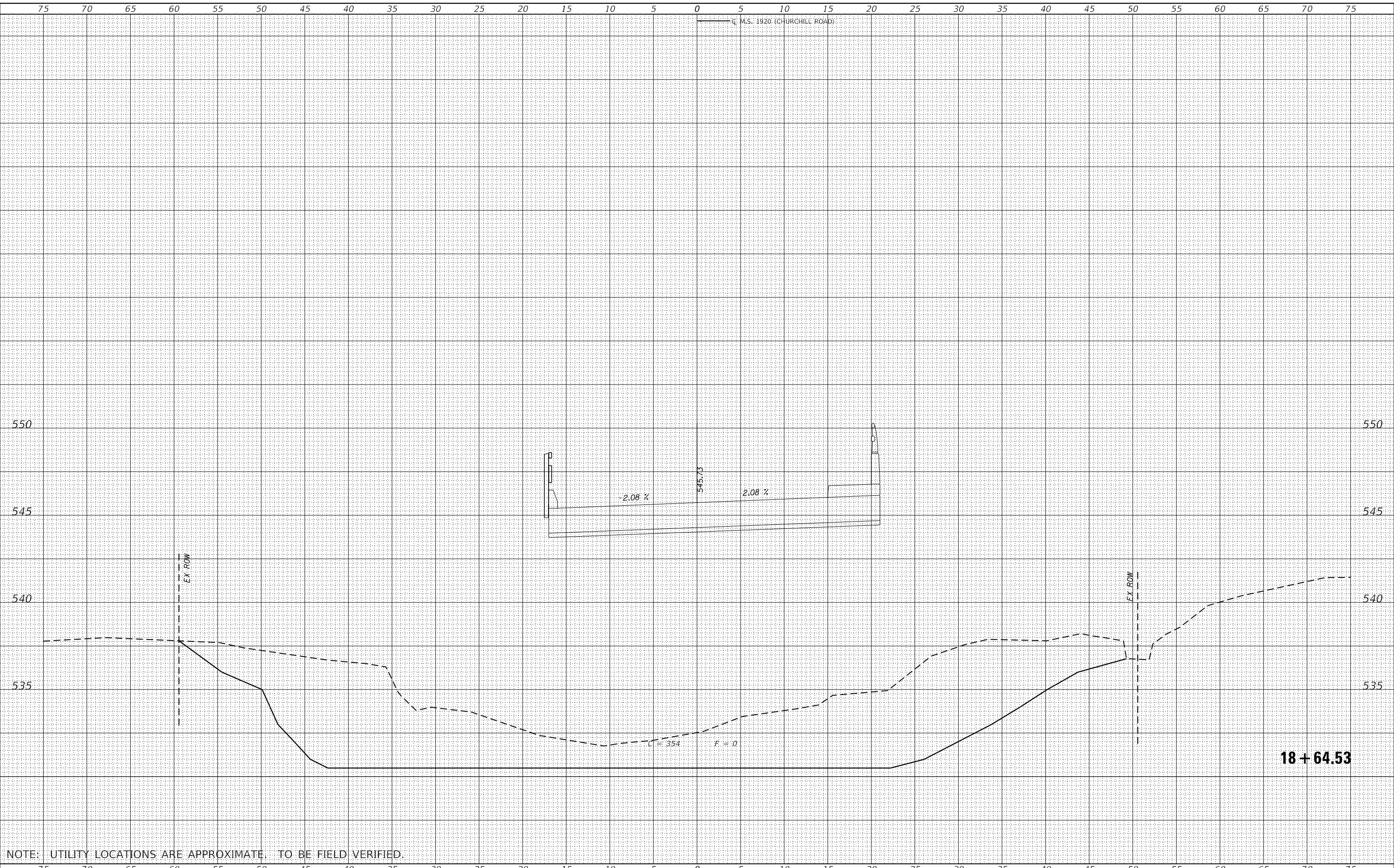
CROSS SECTIONS			
CHURCHILL ROAD OVER JACKSONVILLE BRANCH			
SCALE: 1" = 5'	SHEET 9	OF 18 SHEETS	STA. 18+50.00 TO STA. 18+50.00

M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1920	19-00487-00-BR	SANGAMON	60	51
				CONTRACT NO. 93777
		ILLINOIS	FED. AID PROJECT	

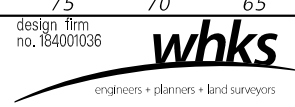
FINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	BY
	TEMPLATE	
	AREAS CHECKED	

ORIGINAL SURVEY NO.	SURVEYED	DATE
	PLOTTED	BY
	TEMPLATE	
	AREAS CHECKED	

MODEL: Definit
 FILE NAME: C:\SPRNGS\19-00487-00-01\Projects\Springfield City\01941 - Churchill Rd\CADD\CAD - Sheets\0941 - Latheshh-1.dwg



NOTE: UTILITY LOCATIONS ARE APPROXIMATE. TO BE FIELD VERIFIED.



USER NAME = gjameson	DESIGNED - RKA	REVISED -
	DRAWN - GSJ	REVISED -
PLOT SCALE = 1/20,000' / ft.	CHECKED - SDS	REVISED -
PLOT DATE = 10/28/2021	DATE - 10/28/2021	REVISED -

CITY OF SPRINGFIELD

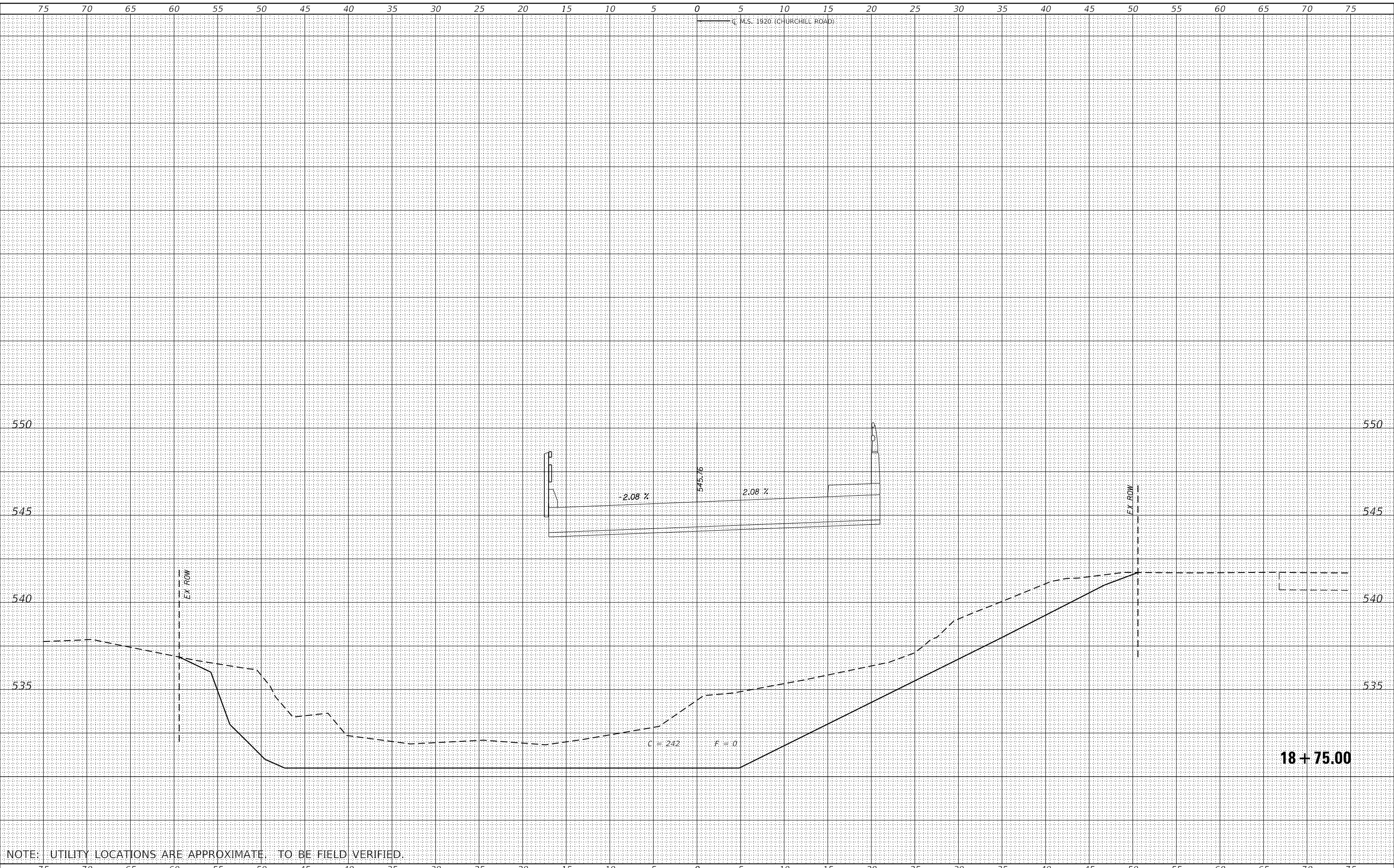
CROSS SECTIONS			
CHURCHILL ROAD OVER JACKSONVILLE BRANCH			
SCALE: 1" = 5'	SHEET 10	OF 18 SHEETS	STA. 18+64.53 TO STA. 18+64.53

M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1920	19-00487-00-BR	SANGAMON	60	52
				CONTRACT NO. 93777
		ILLINOIS	FED. AID PROJECT	

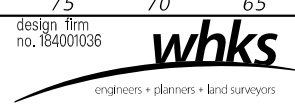
FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE
NOTE BOOK NO.	TEMPLATE AREAS CHECKED		

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE
NOTE BOOK NO.	TEMPLATE AREAS CHECKED		

MODEL: Definit
 FILE NAME: C:\pawkins & Co\Jobs-Springs - Projects\Springfield City 09377 - Churchill Rd\CADD\CAD-Sheets\0941-Latheshh-11.dwg



NOTE: UTILITY LOCATIONS ARE APPROXIMATE. TO BE FIELD VERIFIED.



USER NAME = gjameson	DESIGNED - RKA	REVISED -
PLOT SCALE = 1/20,000' / ft.	DRAWN - GSJ	REVISED -
PLOT DATE = 10/28/2021	CHECKED - SDS	REVISED -
	DATE - 10/28/2021	REVISED -

CITY OF SPRINGFIELD

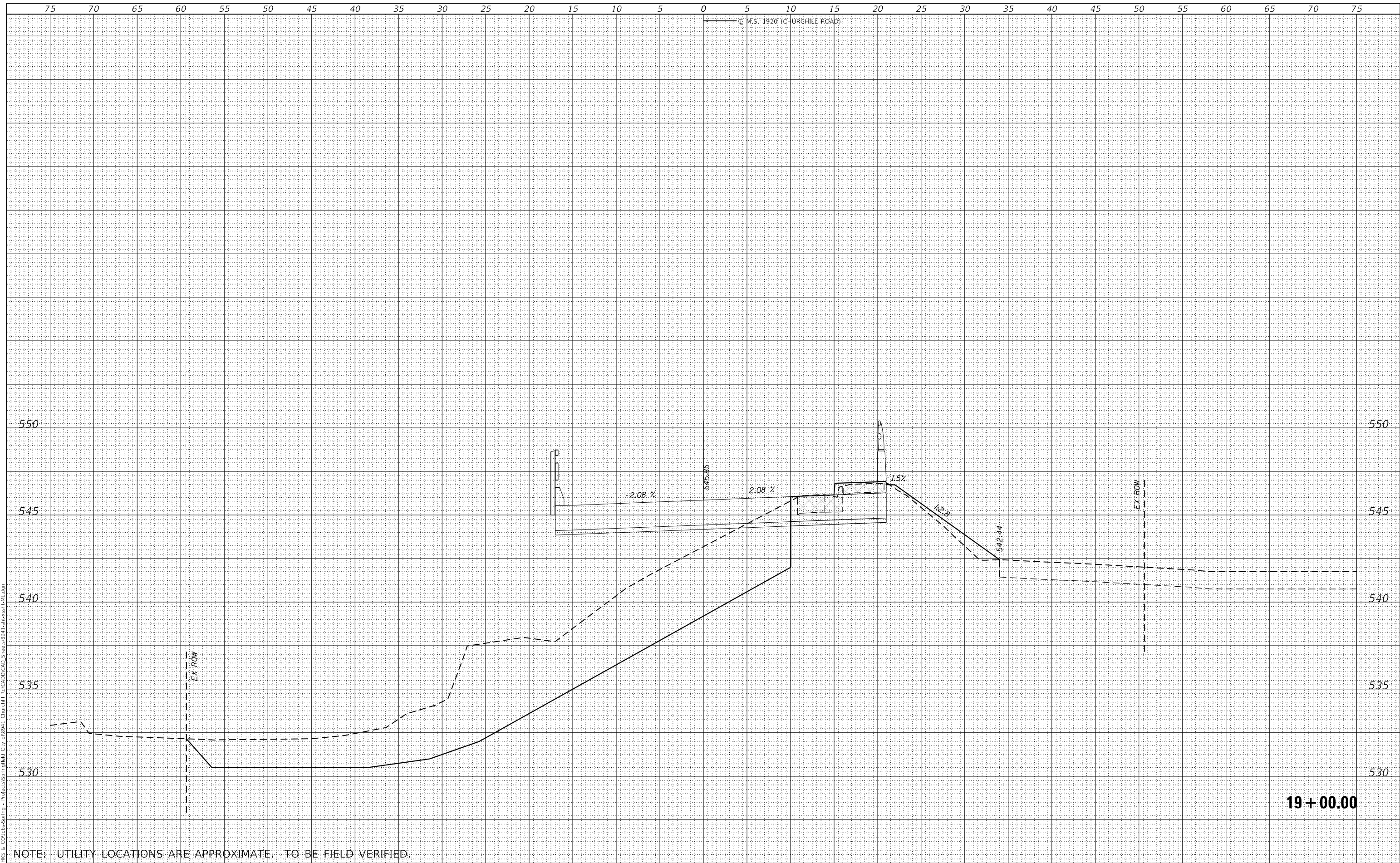
CROSS SECTIONS			
CHURCHILL ROAD OVER JACKSONVILLE BRANCH			
SCALE: 1" = 5'	SHEET 11	OF 18 SHEETS	STA. 18+75.00 TO STA. 18+75.00

M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1920	19-00487-00-BR	SANGAMON	60	53
CONTRACT NO. 93777				
ILLINOIS FED. AID PROJECT				

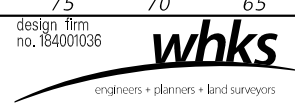
FINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO.	TEMPLATE	
	AREAS CHECKED	

ORIGINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO.	TEMPLATE	
	AREAS CHECKED	

MODEL: Definit
 FILE NAME: C:\SPRNGS\19-00487-00-00\19-00487-00-00\CAD\CAD_Sheets\0941-Churchill Rd\CAD\CAD_Sheets\0941-Churchill Rd.dwg



NOTE: UTILITY LOCATIONS ARE APPROXIMATE. TO BE FIELD VERIFIED.



USER NAME = gjameson	DESIGNED - RKA	REVISED -
PLOT SCALE = 1/20,000' / ft.	DRAWN - GSJ	REVISED -
PLOT DATE = 10/28/2021	CHECKED - SDS	REVISED -
	DATE - 10/28/2021	REVISED -

CITY OF SPRINGFIELD

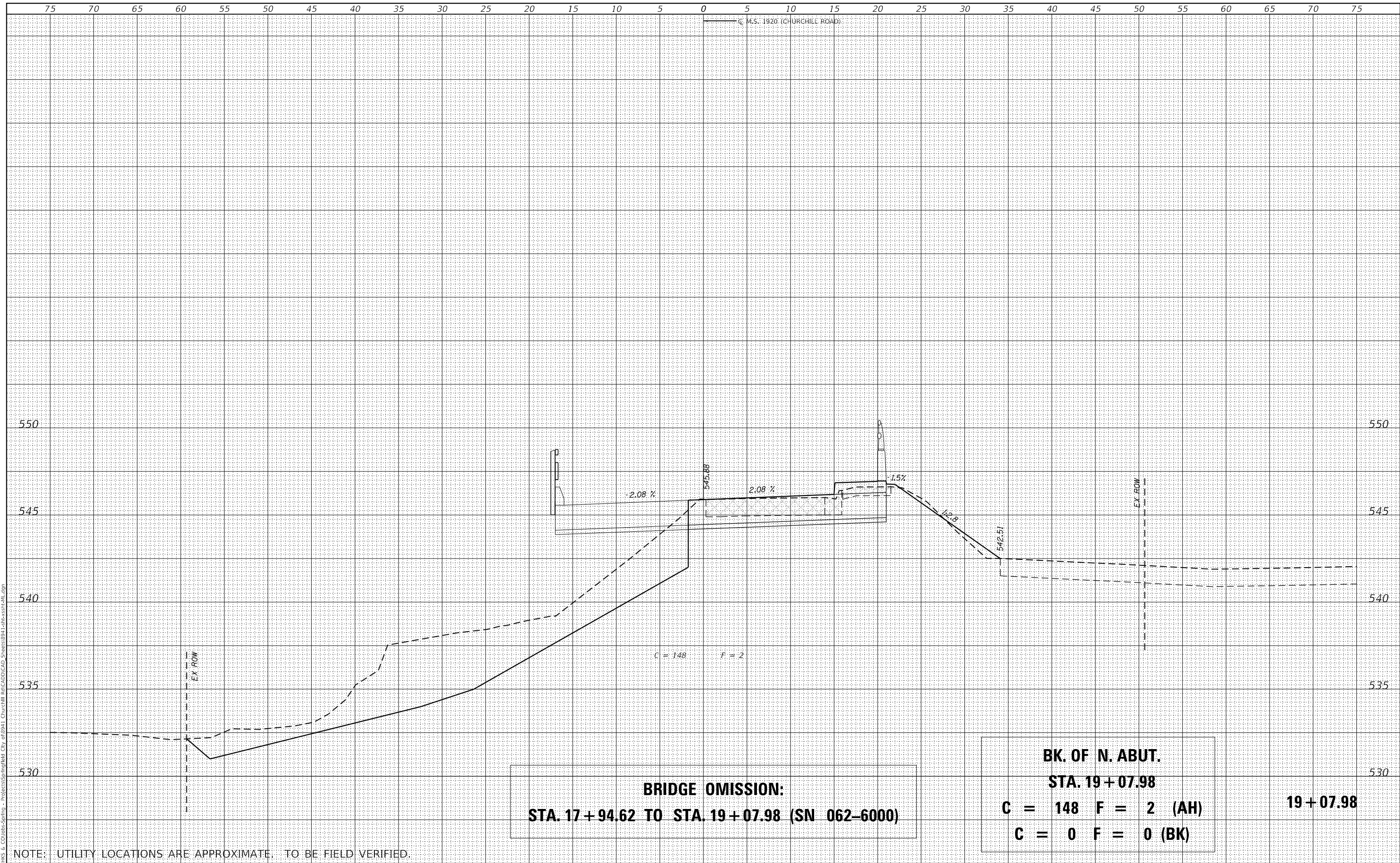
CROSS SECTIONS			
M.S. RTE.	SECTION	COUNTY	SHEET NO.
1920	19-00487-00-BR	SANGAMON	60 54
CONTRACT NO. 93777			
SCALE: 1" = 5'	SHEET 12 OF 18 SHEETS	STA. 19+00.00 TO STA. 19+00.00	

ILLINOIS	FED. AID PROJECT
----------	------------------

FINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	BY
	TEMPLATE	
	AREAS CHECKED	

ORIGINAL SURVEY NO.	SURVEYED	DATE
	PLOTTED	BY
	TEMPLATE	
	AREAS CHECKED	

MODEL: Default
 FILE NAME: C:\pawkins & Co\Jobs-Spring - Projects\Sprngfld City\09941 - Churchill Rd\CADD\CAD - Sheets\0941-Latheshh-04.dgn



BRIDGE OMISSION:
STA. 17 + 94.62 TO STA. 19 + 07.98 (SN 062-6000)

BK. OF N. ABUT.
STA. 19 + 07.98
C = 148 F = 2 (AH)
C = 0 F = 0 (BK)

NOTE: UTILITY LOCATIONS ARE APPROXIMATE. TO BE FIELD VERIFIED.



USER NAME = gjameson	DESIGNED - RKA	REVISED -
	DRAWN - GSJ	REVISED -
PLOT SCALE = 1/20,000' / ft.	CHECKED - SDS	REVISED -
PLOT DATE = 10/28/2021	DATE - 10/28/2021	REVISED -

CITY OF SPRINGFIELD

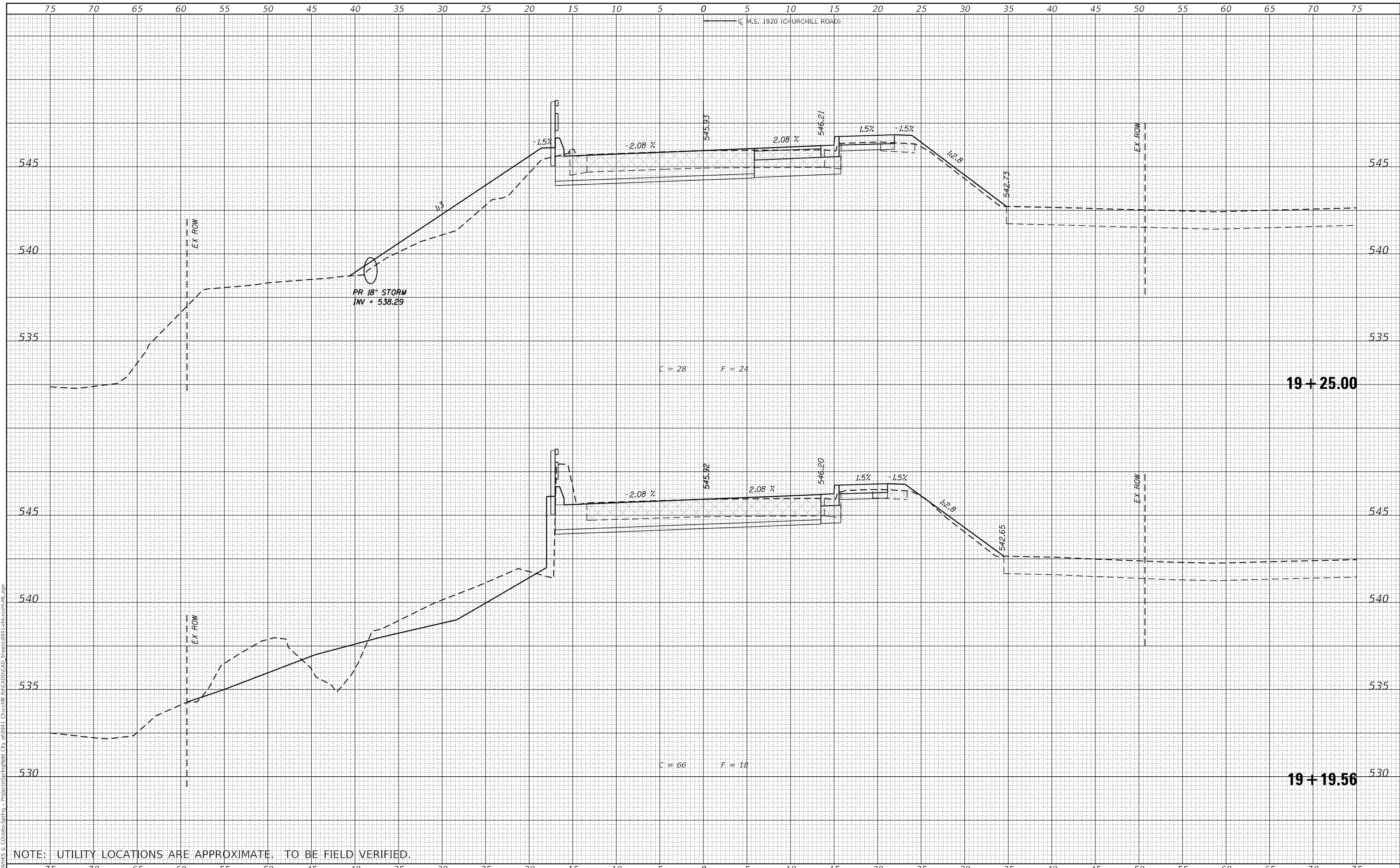
CROSS SECTIONS	
CHURCHILL ROAD OVER JACKSONVILLE BRANCH	
SCALE: 1" = 5'	SHEET 13 OF 18 SHEETS
STA. 19+07.98 TO STA. 19+07.98	

M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1920	19-00487-00-BR	SANGAMON	60	55
				CONTRACT NO. 93777
		ILLINOIS	FED. AID PROJECT	

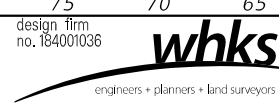
DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
FINAL SURVEY	
NOTE BOOK	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	

MODEL: Definit
 FILE NAME: CSPAWKIS & COLLOPS-SPRING - Project: Springfield City 09377 - Churchill Rd/CAD/CAD-Sheets/0941-Landscape-All.dgn



NOTE: UTILITY LOCATIONS ARE APPROXIMATE. TO BE FIELD VERIFIED.



USER NAME = gjameson	DESIGNED - RKA	REVISED -
PLOT SCALE = 1/20,000' / ft.	DRAWN - GSJ	REVISED -
PLOT DATE = 10/28/2021	CHECKED - SDS	REVISED -
	DATE - 10/28/2021	REVISED -

CITY OF SPRINGFIELD

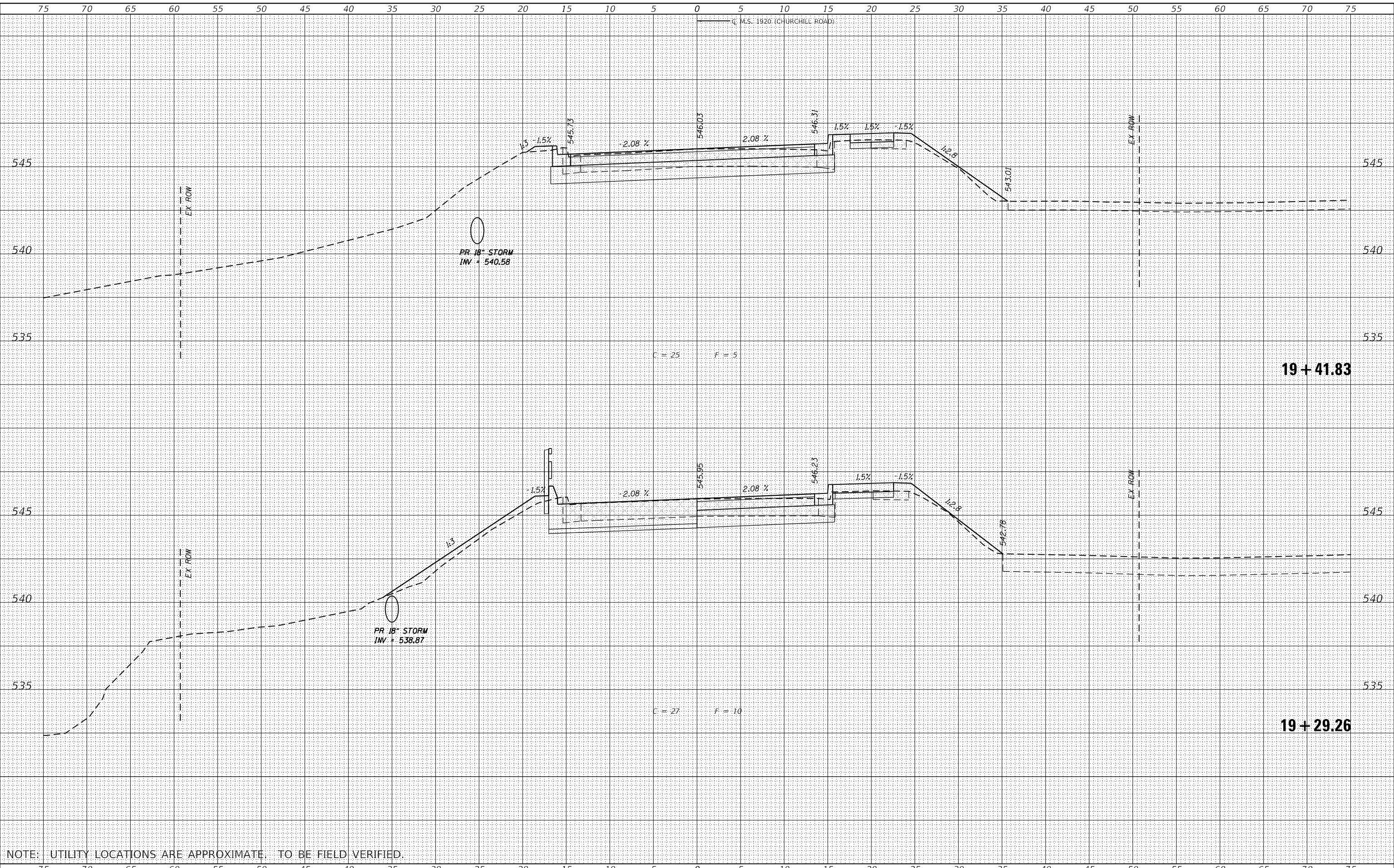
CROSS SECTIONS			
CHURCHILL ROAD OVER JACKSONVILLE BRANCH			
SCALE: 1" = 5'	SHEET 14	OF 18 SHEETS	STA. 19+19.56 TO STA. 19+25.00

M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1920	19-00487-00-BR	SANGAMON	60	56
				CONTRACT NO. 93777
		ILLINOIS	FED. AID PROJECT	

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

MODEL: Default
 FILE NAME: C:\pawkins & Co\Jobs-Spring - Projects\Springfield City 09377 - Churchill Rd\CADD\CAD - Sheets\0941-Latheshh-1.dwg



NOTE: UTILITY LOCATIONS ARE APPROXIMATE. TO BE FIELD VERIFIED.



USER NAME	= gjameson
DESIGNED	- RKA
DRAWN	- GSJ
CHECKED	- SDS
DATE	- 10/28/2021

REVISED	-
REVISED	-
REVISED	-
REVISED	-

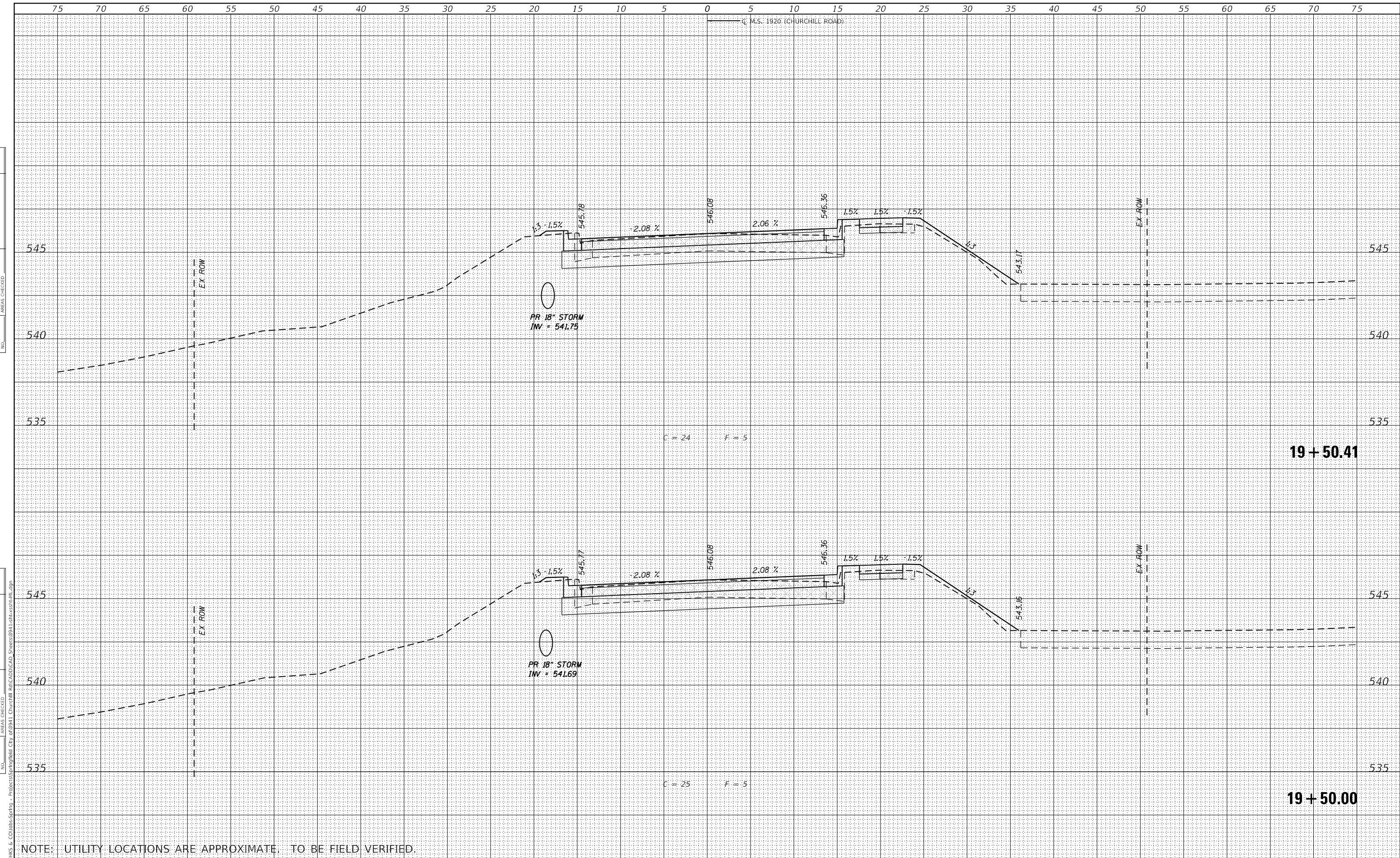
CITY OF SPRINGFIELD

CROSS SECTIONS			
CHURCHILL ROAD OVER JACKSONVILLE BRANCH			
SCALE: 1" = 5'	SHEET 15	OF 18 SHEETS	STA. 19+29.26 TO STA. 19+41.83

M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1920	19-00487-00-BR	SANGAMON	60	57
CONTRACT NO. 93777				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED
	AREAS CHECKED

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED
	AREAS CHECKED



NOTE: UTILITY LOCATIONS ARE APPROXIMATE. TO BE FIELD VERIFIED.

design firm
no. 184001036
whks
engineers + planners + land surveyors

USER NAME = gjameson	DESIGNED - RKA	REVISED -
	DRAWN - GSJ	REVISED -
PLOT SCALE = 1/20,000' / ft.	CHECKED - SDS	REVISED -
PLOT DATE = 10/28/2021	DATE - 10/28/2021	REVISED -

CITY OF SPRINGFIELD

CROSS SECTIONS	
CHURCHILL ROAD OVER JACKSONVILLE BRANCH	
SCALE: 1" = 5'	SHEET 16 OF 18 SHEETS
STA. 19+50.00	TO STA. 19+50.41

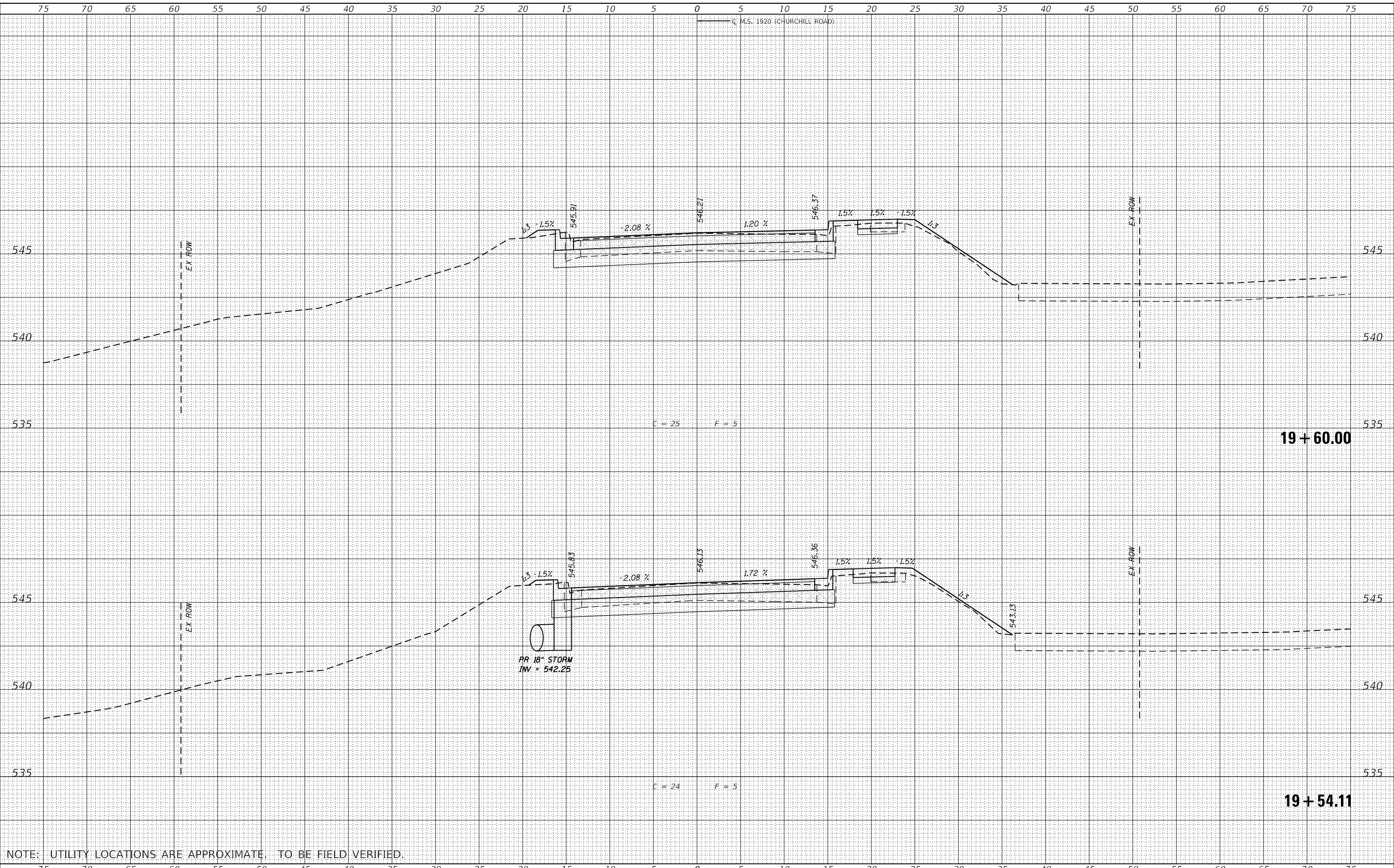
M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1920	19-00487-00-BR	SANGAMON	60	58
				CONTRACT NO. 93777
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
FILE NAME: C:\pawkins & Co\libs-springs - projects\Springfield City 093941 - Churchill Rd\CADD\CAD Sheets\0941-184001036.dwg

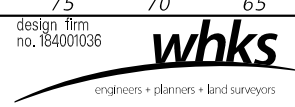
DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED
	AREAS CHECKED

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED
	AREAS CHECKED

MODEL: Default
 FILE NAME: C:\pawmiks & co\jobs\spring - projects\springfield city 09377 - Churchill Rd\CAD\CAD_Sheets\091-Landscape.dwg



NOTE: UTILITY LOCATIONS ARE APPROXIMATE. TO BE FIELD VERIFIED.



USER NAME	= gjameson
DESIGNED	- RKA
DRAWN	- GSJ
CHECKED	- SDS
DATE	- 10/28/2021
PLOT SCALE	= 120,000' / ft.
PLOT DATE	= 10/28/2021

REVISED	-
REVISED	-
REVISED	-
REVISED	-

CITY OF SPRINGFIELD

CROSS SECTIONS
 CHURCHILL ROAD OVER JACKSONVILLE BRANCH

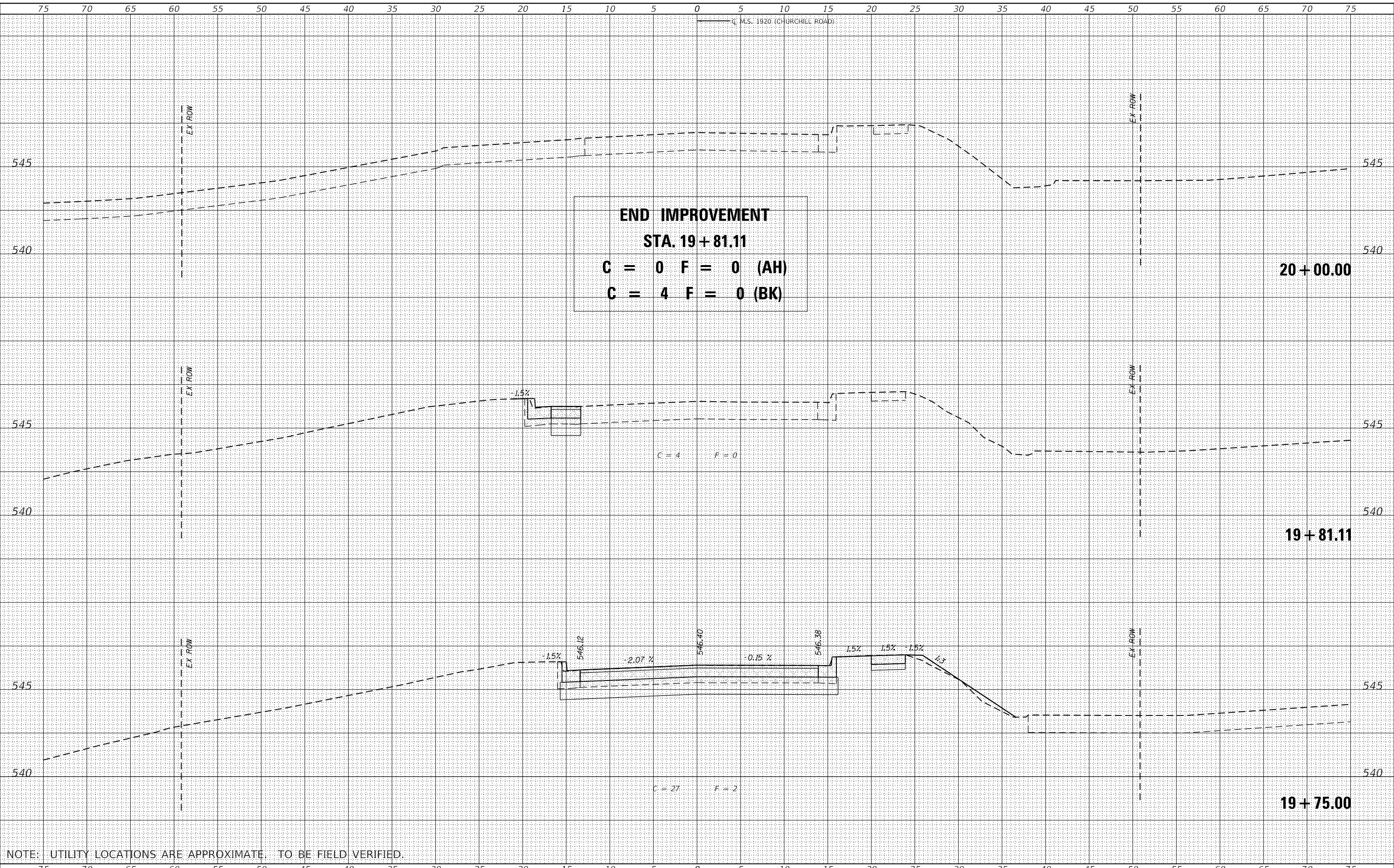
SCALE: 1" = 5' SHEET 17 OF 18 SHEETS STA. 19+54.11 TO STA. 19+60.00

M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1920	19-00487-00-BR	SANGAMON	60	59
				CONTRACT NO. 93777
				ILLINOIS FED. AID PROJECT

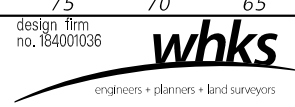
DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

MODEL: Default
 FILE NAME: C:\pawkins & co\libs-springs - projects\springfield city\09041 - churchill rd\CADD\CAD - Sheets\09041-18-19-20-21.dwg



NOTE: UTILITY LOCATIONS ARE APPROXIMATE. TO BE FIELD VERIFIED.



USER NAME	= gjameson
DESIGNED	- RKA
DRAWN	- GSJ
CHECKED	- SDS
DATE	- 10/28/2021

REVISED	-
REVISED	-
REVISED	-
REVISED	-

CITY OF SPRINGFIELD

SCALE: 1" = 5'	
SHEET 18	OF 18 SHEETS
STA. 19+75.00	TO STA. 20+00.00

CROSS SECTIONS
 CHURCHILL ROAD OVER JACKSONVILLE BRANCH

M.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1920	19-00487-00-BR	SANGAMON	60	60
CONTRACT NO. 93777				
ILLINOIS FED. AID PROJECT				