

INDEX OF SHEETS

SHEET NO. DESCRIPTION

1. COVER SHEET
2. SUMMARY OF QUANTITIES AND GENERAL NOTES
3. SCHEDULE OF QUANTITIES
4. TYPICAL CROSS SECTIONS
5-7. PLAN AND PROFILE
8-9. GUARDRAIL & SHOULDER LAYOUT
10-13. CULVERT PLANS
14-17. EXISTING CULVERT PLANS
18-49. STATION CROSS SECTIONS

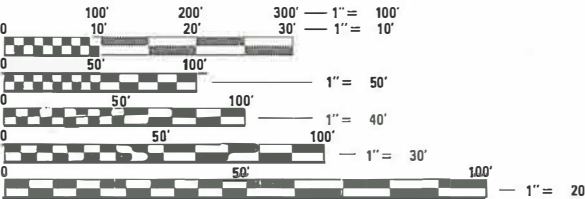
HIGHWAY STANDARDS:

- 000001-08 STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
280001-07 TEMPORARY EROSION CONTROL SYSTEMS
515001-04 NAME PLATE FOR BRIDGES
630001-12 STEEL PLATE BEAM GUARDRAIL
630301-09 SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
666001-01 RIGHT OF WAY MARKERS
701006-05 OFF-RD OPERATIONS, 2L, 2W, 15' (4.5m) TO 24" (600 mm) FROM PAVEMENT EDGE
701201-05 LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS $\geq$ 45 MPH
701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701901-08 TRAFFIC CONTROL DEVICES
725001-01 OBJECT AND TERMINAL MARKERS
780001-05 TYPICAL PAVEMENT MARKINGS
782006-01 GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
BLR 21-9 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS

UTILITIES

CLARK-EDGAR RURAL WATER
C/O FRANCIS ASSOCIATES
330 N. CENTRAL AVE.
PARIS, IL 61944

FRONTIER COMMUNICATIONS
ENGINEERING DEPARTMENT
1205 S. CENTRAL AVE.
PARIS, IL 61944



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.

FUNCTIONAL CLASSIFICATION: RURAL COLLECTOR
DESIGN SPEED: 50 MPH
DESIGN TRAFFIC: 600 ADT

CONTRACT NO. 95883 PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

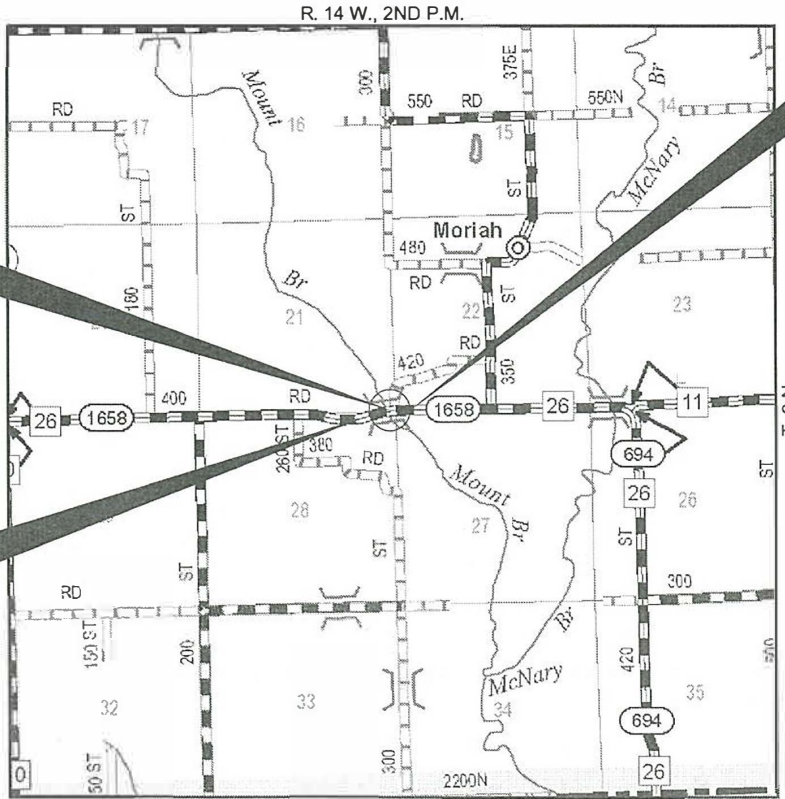
PLANS FOR PROPOSED
SURFACE TRANSPORTATION PROGRAM
OFF SYSTEM BRIDGE

PROJECT 1MBH(807)
SECTION 19-00278-00-DR
CLARK COUNTY
F.A.S. 1658 / C.H. 26 / HOGUE TOWN ROAD
EXISTING STRUCTURE NO. 012-5002
C-97-098-21

30' RT. STA. 104+74.59
REINFORCED CONCRETE BOX CULVERT EXTENSION.
TRIPLE 10' SPAN X 9' RISE
LENGTH = 30'-6"; SKEW = 17.1°
EXISTING STRUCTURE NO. 012-5002

IMPROVEMENT BEGINS
STATION 99+00

IMPROVEMENT ENDS
STATION 110+50



LOCATION MAP

APPROXIMATE SCALE: 0 1/2 MILE
NET LENGTH OF SECTION = 1150 FEET = 0.218 MILES



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.S. 1658	19-00278-00-DR	CLARK	49	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 95883		



LOCATION OF SECTION INDICATED THUS: —

ILLINOIS DEPARTMENT OF TRANSPORTATION

APPROVED 11-16-20
COUNTY ENGINEER

PASSED 12-28-20
DISTRICT SEVEN ENGINEER OF LOCAL ROADS & STREETS
REGION FOUR ENGINEER

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DATE: 11/12/2020



HAMPTON, LENZINI AND RENWICK, INC.
CIVIL ENGINEERS - STRUCTURAL ENGINEERS - LAND SURVEYORS
3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
217.546.3400 www.hlrengineering.com

EXPIRES: 11/30/2021

PROJECT NUMBER: 18.0032.130

DATE: 11/12/2020

SUMMARY OF QUANTITIES

CODE #	ITEM	UNIT	TOTAL QUANTITY
20200100	EARTH EXCAVATION	CU YD	1,069
20400800	FURNISHED EXCAVATION	CU YD	9,891
20700110	POROUS GRANULAR EMBANKMENT	TON	470
25100630	EROSION CONTROL BLANKET	SQ YD	4,840
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	180
28000305	TEMPORARY DITCH CHECKS	FOOT	100
28000400	PERIMETER EROSION BARRIER	FOOT	280
28100807	STONE DUMPED RIPRAP, CLASS A4	TON	150
28300400	AGGREGATE DITCH	TON	649
35101400	AGGREGATE BASE COURSE, TYPE B	TON	1,955
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	234
40300200	BITUMINOUS MATERIALS (PRIME COAT)	TON	3.15
40300400	BITUMINOUS MATERIALS (COVER AND SEAL COATS)	TON	7
40300500	COVER COAT AGGREGATE	TON	32
40300600	SEAL COAT AGGREGATE	TON	32
40600990	TEMORARY RAMP	SQ YD	50
44004000	PAVED DITCH REMOVAL	FOOT	209
48101200	AGGREGATE SHOULDERS, TYPE B	TON	595
50105220	PIPE CULVERT REMOVAL	FOOT	60
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	31,260
51500100	NAME PLATES	EACH	1
54002020	EXPANSION BOLTS 3/4' INCH	EACH	56
54003000	CONCRETE BOX CULVERTS	CU YD	130.0
Δ 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	437.5
Δ 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4
66600105	FURNISHING AND ERECTING RIGHT OF WAY MARKERS	EACH	5
67100100	MOBILIZATION	L SUM	1
Δ 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4
Δ 78001120	PAINT PAVEMENT MARKING - LINE 5"	FOOT	5,000

^ SEE SPECIAL PROVISIONS

Δ SPECIALTY ITEMS

SUMMARY OF QUANTITIES

CODE #	ITEM	UNIT	TOTAL QUANTITY
Δ 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	10
^ X0900064	MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES	SQ YD	100
^ X2501000	SEEDING, CLASS 2 (SPECIAL)	ACRE	1.8
^ X7010218	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	EACH	1
^ XX008385	CONCRETE REMOVAL (SPECIAL)	EACH	1

^ SEE SPECIAL PROVISIONS

Δ SPECIALTY ITEMS

GENERAL NOTES

- 1) ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED APRIL 1, 2016," THESE PLANS AND THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS.
- 2) ALL CLEARING AND GRUBBING, FENCE REMOVAL AND REMOVAL OF EXISTING DRAINAGE STRUCTURES & HEADWALLS SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION UNLESS DENOTED IN THE PLANS. THE REMOVAL OF THE EXISTING PAVEMENT WILL BE PAID FOR AS EARTH EXCAVATION. ALL BITUMINOUS MATERIAL SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR IN A METHOD APPROVED BY THE ENGINEER. PROPER DISPOSAL OF BITUMINOUS MATERIAL SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. SEE SPECIAL PROVISIONS.
- 3) THE LOCATION OF EXISTING GAS MAINS, ELECTRIC POWER LINES, TELEPHONE LINES AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON CAREFUL FIELD INVESTIGATIONS AND THE BEST INFORMATION AVAILABLE, BUT THE LOCATIONS ARE NOT GUARANTEED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE INDIVIDUAL UTILITY COMPANIES AND BY FIELD INSPECTION.
- 4) THE ROADWAY SECTIONS UNDER CONSTRUCTION SHALL BE CLOSED TO TRAFFIC. ACCESS WILL BE PROVIDED TO SIDEROADS AND ENTRANCES.
- 5) GUARDRAIL REMOVAL WILL BE COMPLETED BY THE CLARK COUNTY HIGHWAY DEPARTMENT
- 6) THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES

STONE RIPRAP

1.75 TON/CU YD

AGGREGAE DITCH

1.75 TON/CU YD

AGGREGATE BASE COURSE

2.05 TON/CU YD

BITUMINOUS MATERIALS (ROAD MIX)

112 LBS/SQ.YD./INCH

BITUMINOUS MATERIALS (PRIME COAT) ON AGGREGATE BASE

0.25 LBS/SQ.FT.

BITUMINOUS MATERIALS (COVER COAT)

2.9 LB/SQ.YD.

BITUMINOUS MATERIALS (SEAL COAT)

2.5 LB/SQ.YD.

COVER COAT/SEAL COAT AGGREGATE

25 LBS/SQ.YD.

BITUMINOUS MATERIALS (PRIME COAT) FOG COAT

0.025 LBS/SQ FT

TEMPORARY EROSION CONTROL SEEDING

100 LBS/ACRE
- 7) THE AREA TO BE SEEDED SHALL CONSIST OF ALL DISTURBED EARTH SURFACES WITHIN THE RIGHT OF WAY AS DIRECTED BY THE ENGINEER.
- 8) MAILBOX TURNOUTS ARE TO BE CONSTRUCTED WITH THE SAME MATERIAL AS THE SHOULDERS AND THEREFORE THE CONSTRUCTION OF THE MAILBOX TURNOUTS WILL BE CONSIDERED TO BE INCLUDED WITH THE SHOULDER CONSTRUCTION AND WILL NOT BE PAID FOR SEPARATELY
- 9) SEAL COAT AGGREGATE SHALL BE CA-16 CRUSHED. COVER COAT AGGREGATE SHALL BE CA-16 (NON-CRUSHED)
- 10) PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STORM WATER POLLUTION PREVENTION PLAN. SEE SPECIAL PROVISIONS.

EROSION CONTROL SCHEDULE					
LOCATION	SEEDING CLASS 2 SPECIAL	EROSION CONTROL BLANKET	TEMPORARY EROSION CONTROL SEEDING (100 LB/ACRE)	TEMPORARY DITCH CHECKS (SEE PLAN SHT)	PERIMETER EROSION BARRIER
FAS 1658 / CH 26 / HOGUE TOWN ROAD	X2501000 ACRE	25100630 SQ YD	28000250 POUND	28000305 FOOT	28000400 FOOT
RT/LT STA 98+00 TO 110+50 (~65 FT WIDTH)	1.79	4840	180	100	
RT STA 105+20 TO 108+00					280
TOTAL	1.8	4840	180	100	280

PAVEMENT MARKING SCHEDULE		
LOCATION	MARKING LINE 5"	
	EDGE LINE WHITE	DOUBLE YELLOW CENTERLINE
FAS 1658 / CH 26 / HOGUE TOWN ROAD	78001120 FOOT	
STA. 98+00 TO STA. 110+50	2,500	2,500
SUBTOTAL	2500	2500
TOTAL	5000	

AGGREGATE DITCH SCHEDULE		
LOCATION	AGGREGATE DITCH	PAVED DITCH REMOVAL
FAS 1658 / CH 26 / HOGUE TOWN ROAD	28300400 TON	44004000 FOOT
RT. STA. 100+25 TO 101+70	132	
LT. STA. 100+90 TO 102+00	100	
RT. STA. 108+00 TO 109+50	136	
LT. STA. 106+72 TO 109+82	281	
RT. STA. 108+46 TO 109+45		99
LT. STA. 108+72 TO 109+82		110
TOTAL	649	209

EARTHWORK SUMMARY						
LOCATION	EARTH EXCAVATION	SHRINKAGE FACTOR	% USED	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE(25%)	EMBANKMENT REQUIRED	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
	20200100 CUBIC YARD					
FAS 1658 \ CH 26 \ HOGUE TOWN ROAD				CUBIC YARD	CUBIC YARD	CUBIC YARD
STA. 98+00 TO STA. 110+50	1069	25.00%	100.00%	801	10592	-9791
ENTRANCES		25.00%	100.00%	0	100	-100
	1069			801	10692	-9891
FURNISHED EXCAVATION					9891	CU.YD.

FURNISHING & ERECTING ROW MARKERS	
FAS 1658 / CH 26 / HOGUE TOWN ROAD	66600105
LOCATION	EACH
RT STA. 100+50.00	1
RT STA. 102+00.00	1
RT STA. 104+50.00	1
RT STA. 105+50.00	1
RT STA. 106+42.02	1
TOTAL	5

GUARDRAIL SCHEDULE					
LOCATION	STEEL PLATE BEAM GUARD RAIL TYPE A 6 FOOT POSTS	TRAFFIC BARRIER TERMINAL TYPE 1 SPECIAL (TANGENT)	GUARDRAIL REMOVAL (BY OTHERS)	TERMINAL MARKER DIRECT APPLIED	GUARDRAIL MARKERS TYPE A
FAS 1658\ CH 26 \ HOGUE TOWN ROAD	63000001 FOOT	63100167 EACH	63200310 FOOT	78201000 EACH	78200005 EACH
RT/LT. STA 102+90 TO 106+60	437.5	4		4	10
RT/LT. STA 100+70 TO 109+40			1,720		
TOTAL	437.5	4	1720	4	10

ROADWAY SCHEDULE									
LOCATION	AGGREGATE BASE COURSE TYPE B	AGGREGATE SURFACE COURSE TYPE B	BITUMINOUS MATERIALS (PRIME COAT) (0.25 LB/SF)	BITUMINOUS MATERIALS COVER COAT (2.9 LB/SY)	BITUMINOUS MATERIALS SEAL COAT (2.5 LB/SY)	COVER COAT AGGREGATE (25 LB/SY)	SEAL COAT AGGREGATE (25 LB/SY)	BITUMINOUS MATERIALS (ROAD MIX) (BY OTHERS)	AGGREGATE SHOULDERS TY B (6" DEPTH)
FAS 1658 / CH 26 / HOGUE TOWN ROAD	35101400 TON	40200800 TON	40300200 TON	40300400 TON	40300400 TON	40300500 TON	40300600 TON	XX006787 TON	48101200 TON
STA. 98+00 TO 99+00									18
STA. 99+00 TO 109+50	1913		3.15	4	3	32	32	1294	542
STA. 109+50 TO 110+50									35
ENTRANCES / SIDE ROADS		234	0	0	0				
STRUCTURE	42								
TOTAL	1955	234	3.15	4	3	32	32	1294	595



LEGEND

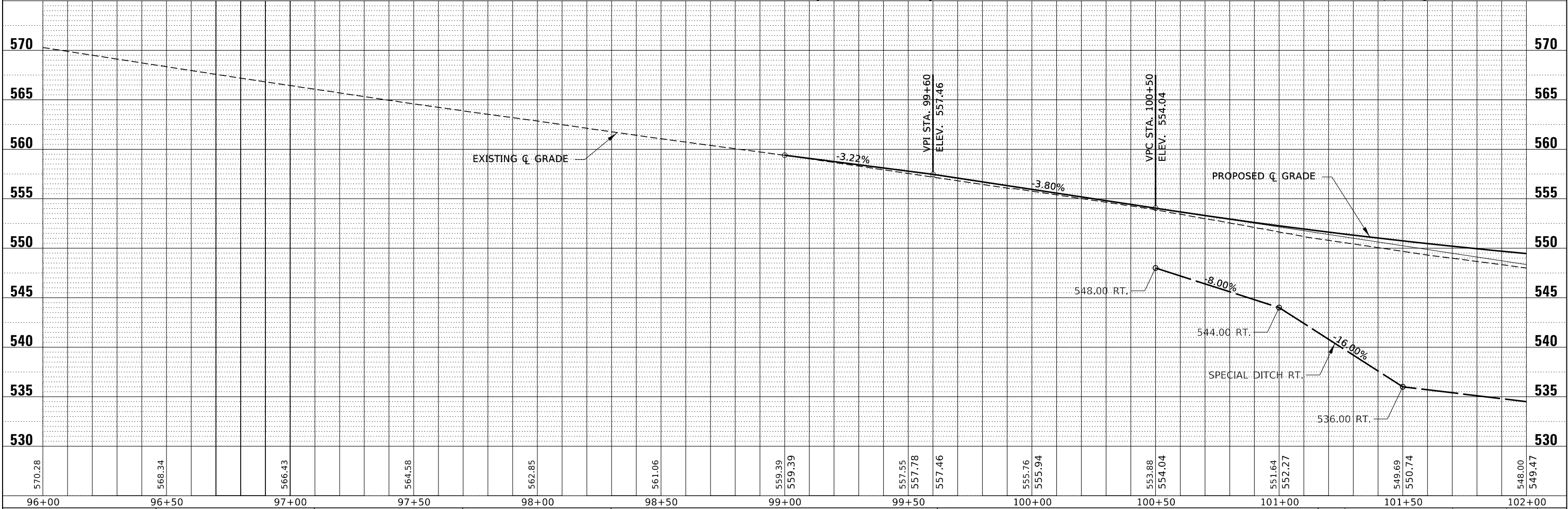
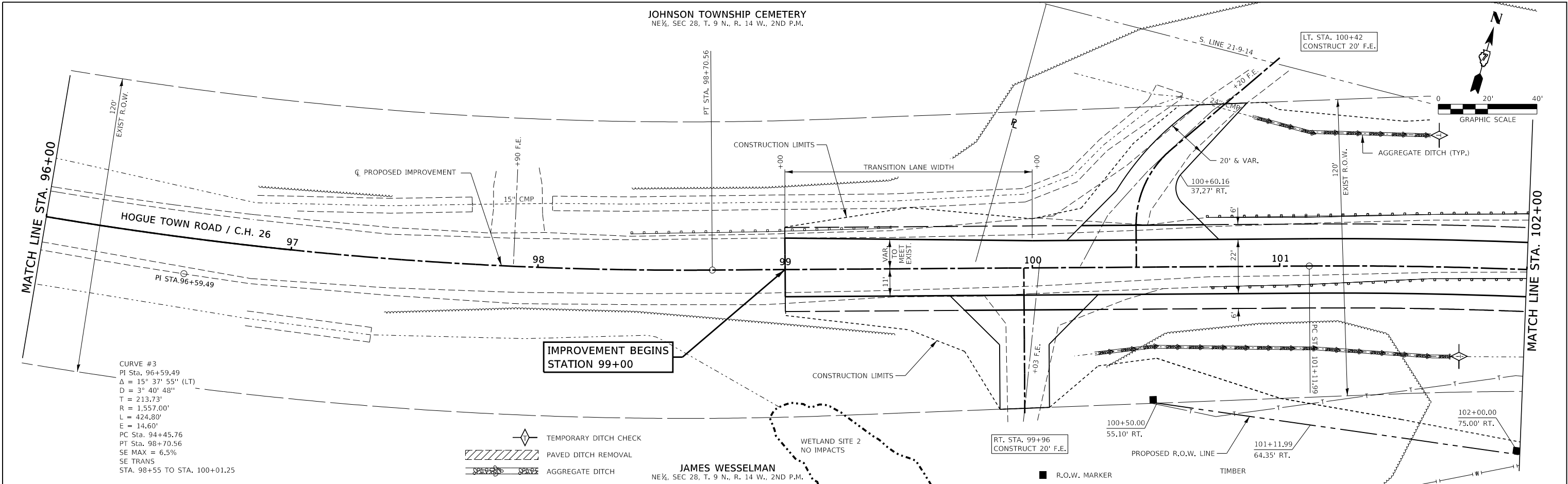
- ① EXISTING SOIL CEMENT BASE (VAR. 2" TO 7")
- ② EXISTING STABILIZED AGGREGATE BASE / ROAD MIX (VAR. 6" TO 9")
- ③ EXISTING OIL & CHIP SURFACE (VAR. 1½" TO 2½")
- ④ AGGREGATE BASE COURSE, TYPE B, (12")
- ⑤ BITUMINOUS MATERIALS (ROAD MIX) (7" DEPTH) (BY OTHERS)
- ⑥ BITUMINOUS MATERIALS (PRIME COAT)
- ⑦ BITUMINOUS MATERIALS (COVER AND SEAL COATS)
- ⑧ COVER COAT AGGREGATE
- ⑨ SEAL COAT AGGREGATE
- ⑩ AGGREGATE SHOULDERS, TYPE B (6")
- ⑪ EXISTING AGGREGATE SHOULDERS
- ⑫ EXISTING GUARDRAIL
- ⑬ TBT TY1 SPECIAL (TAN.)
- ⑭ STEEL PLATE BEAM GUARDRAIL TYPE A, 9' POSTS
- ⑮ AGGREGATE SURFACE COURSE, TYPE B



FILE NAME = 180032-shl-typeSections.dgn		USER NAME = rnosick	DESIGNED - J.W.F.	REVISED -	STATE OF ILLINOIS CLARK COUNTY HIGHWAY DEPARTMENT	TYPICAL CROSS SECTIONS					F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
 HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM L.S. / P.E. / SE CORP. 184.000959			DRAWN - T.W.K.	REVISED -		1658	19-00278-00-DR		CLARK	49	4				
			CHECKED - S.W.M.	REVISED -		HOGUE TOWN ROAD / C.H. 26					CONTRACT NO. 95833				
		PLOT SCALE = \$Scales\$													
	PLOT DATE = 11/13/2021	DATE = 11/12/2020	REVISED -			SCALE: NONE	SHEET NO. 1	OF 1 SHEETS	STA.	TO STA.		ILLINOIS / FED. AID PROJECT 1BH(H07)			

PLAN	NOTE BOOK NO.	SURVEYED PLOTTED	ALIGNMENT CHECKED	BY	DATE

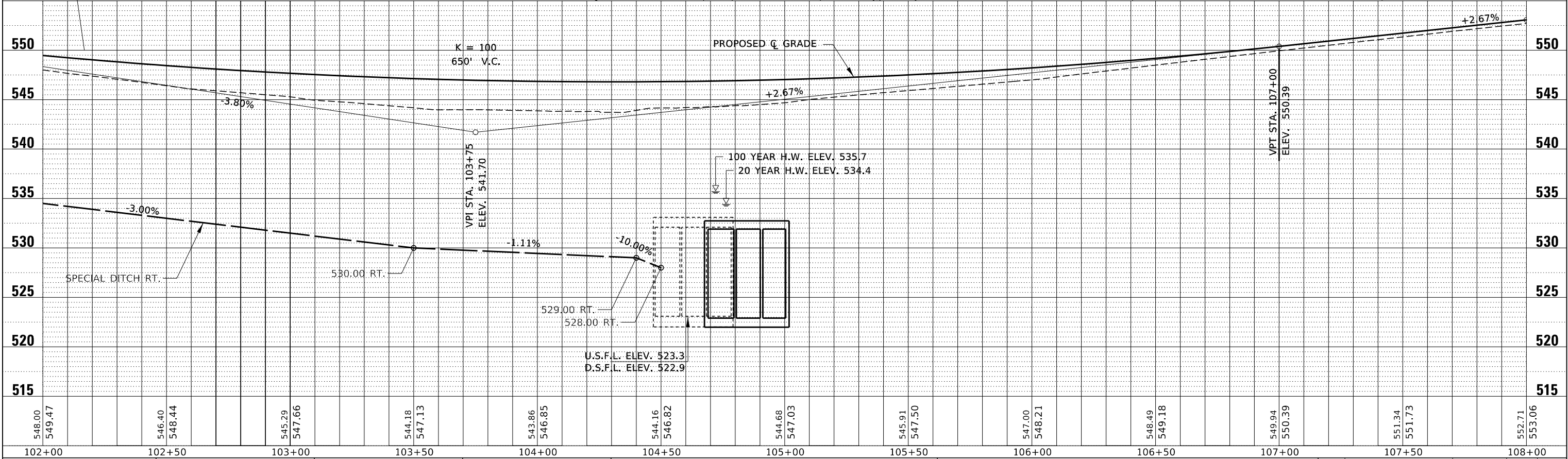
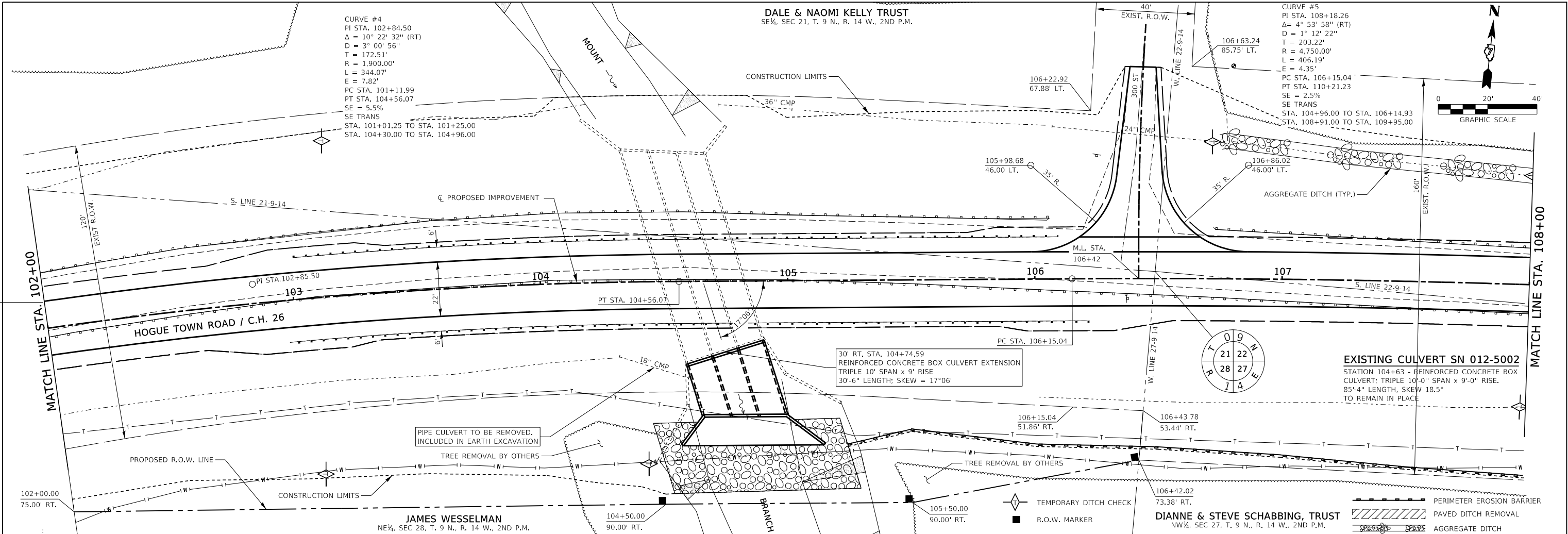
PROFILE	NOTE BOOK NO.	SURVEYED PLOTTED	GRADES CHECKED	BY	DATE



FILE NAME = 180032-shit-planprf-cultv.dgn	USER NAME = rmosick	DESIGNED - J.W.F.	REVISED -	STATE OF ILLINOIS CLARK COUNTY HIGHWAY DEPARTMENT	PLAN & PROFILE		F.A.S.	SECTION	COUNTY	TOTAL SHEETS	TOTAL SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	PLOT SCALE = \$SCALE\$	DRAWN - T.W.K.	REVISED -		SCALE: 5V:20H	SHEET NO. 1 OF 3 SHEETS	1658	19-00278-00-DR	CLARK	49	5
PLOT DATE = 1/13/2021	CHECKED - S.W.M.	DATE = 11/12/2020	REVISED -		STA. 96+00 TO STA. 102+00		HOGUE TOWN ROAD / C.H. 26		CONTRACT NO. 95833		
							ILLINOIS		FED. AID PROJECT 1MBH(807)		

PLAN	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	ALIGNMENT CHECKED		
	CADD FILE NAME		

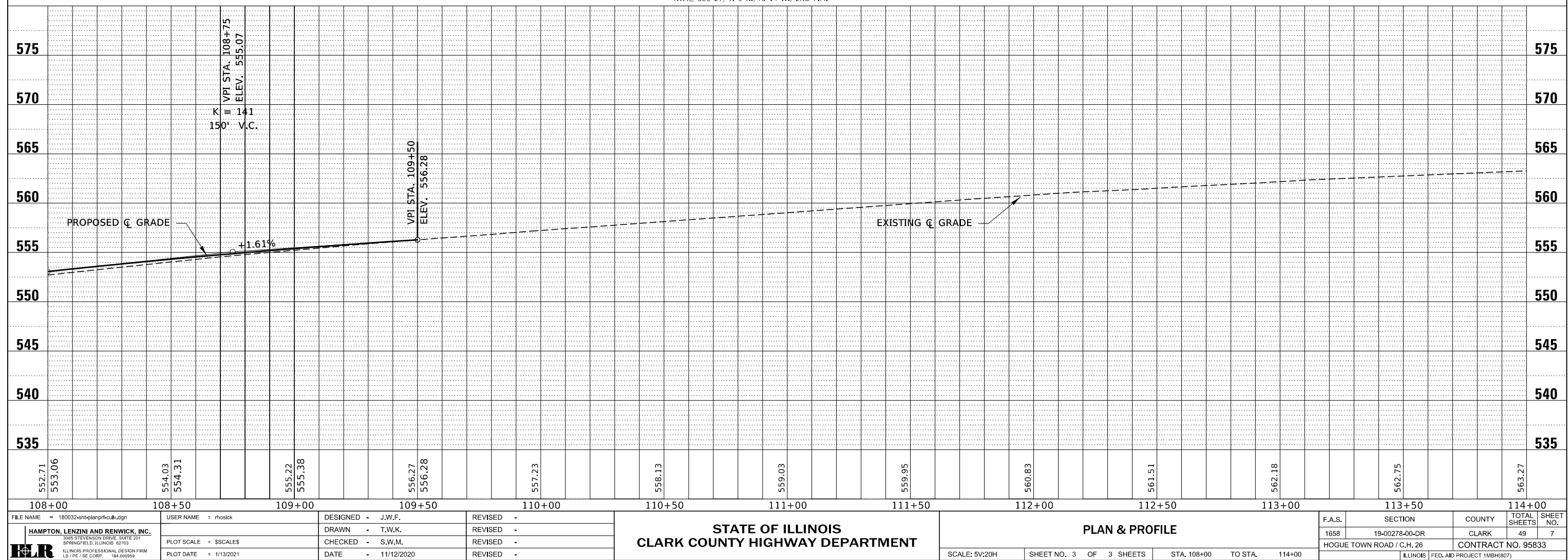
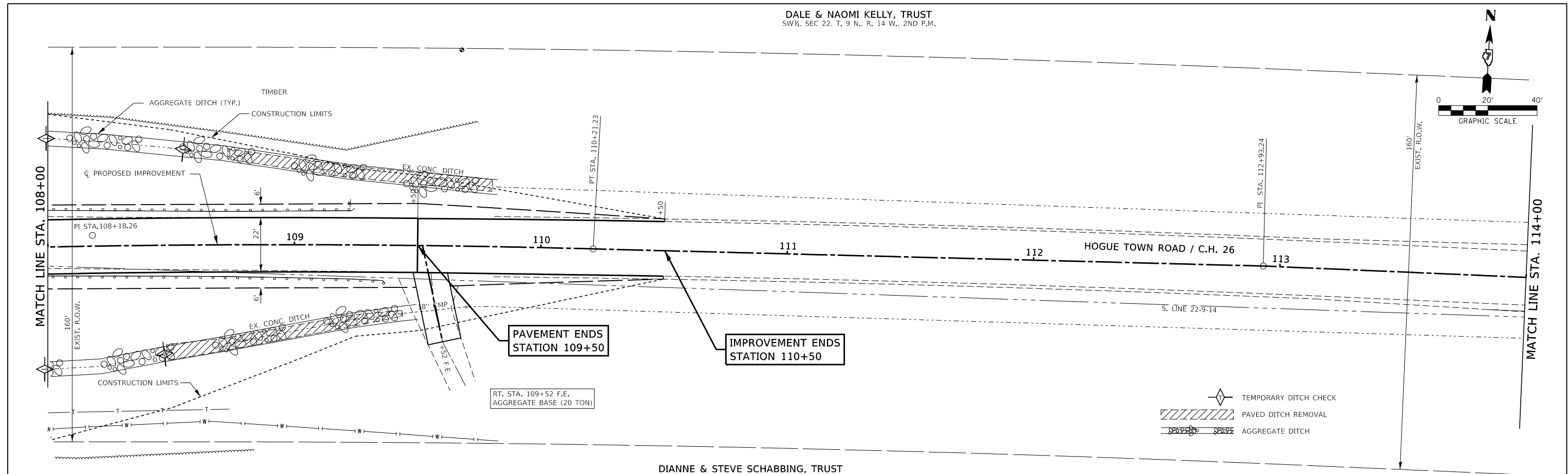
PROFILE	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	GRADES CHECKED		
	STRUCTURE NOTATIONS CHKD		

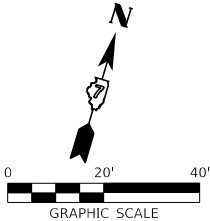
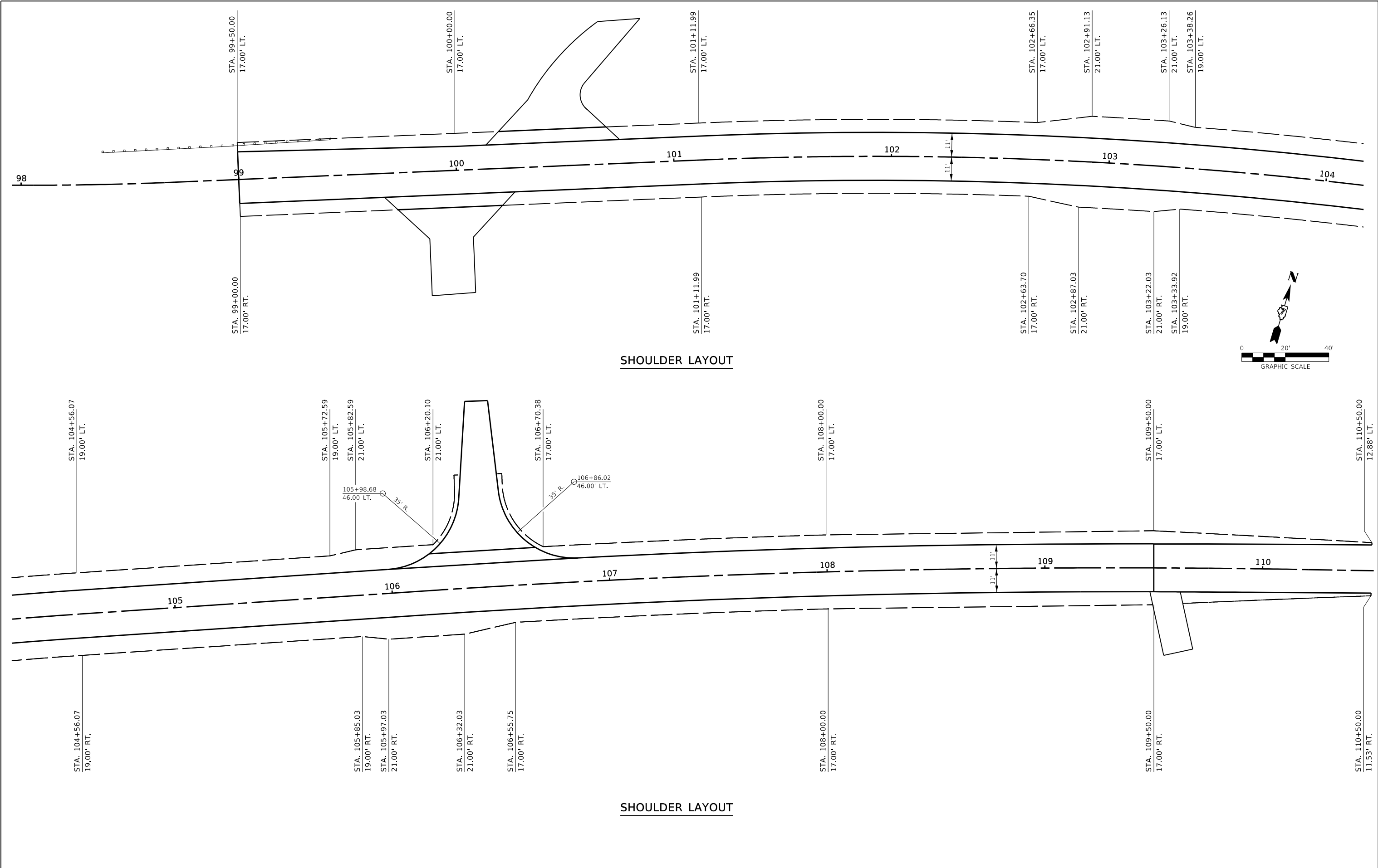


FILE NAME = 180032-shit-planprf-culv.dgn		USER NAME = rmosick	DESIGNED - J.W.F.	REVISED -	STATE OF ILLINOIS CLARK COUNTY HIGHWAY DEPARTMENT	PLAN & PROFILE				F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
	HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959		DRAWN - T.W.K.	REVISED -						1658	19-00278-00-DR	CLARK	49	6		
			CHECKED - S.W.M.	REVISED -						HOGUE TOWN ROAD / C.H. 26					CONTRACT NO. 95833	
			PLOT DATE = 1/13/2021	REVISED -						ILLINOIS					FED. AID PROJECT 1MBH(807)	
		PLOT SCALE = \$SCALES	DATE - 11/12/2021			SCALE: 5V:20H	SHEET NO. 2	OF 3 SHEETS	STA. 102+00	TO STA. 108+00						

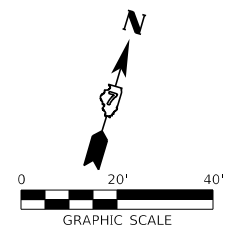
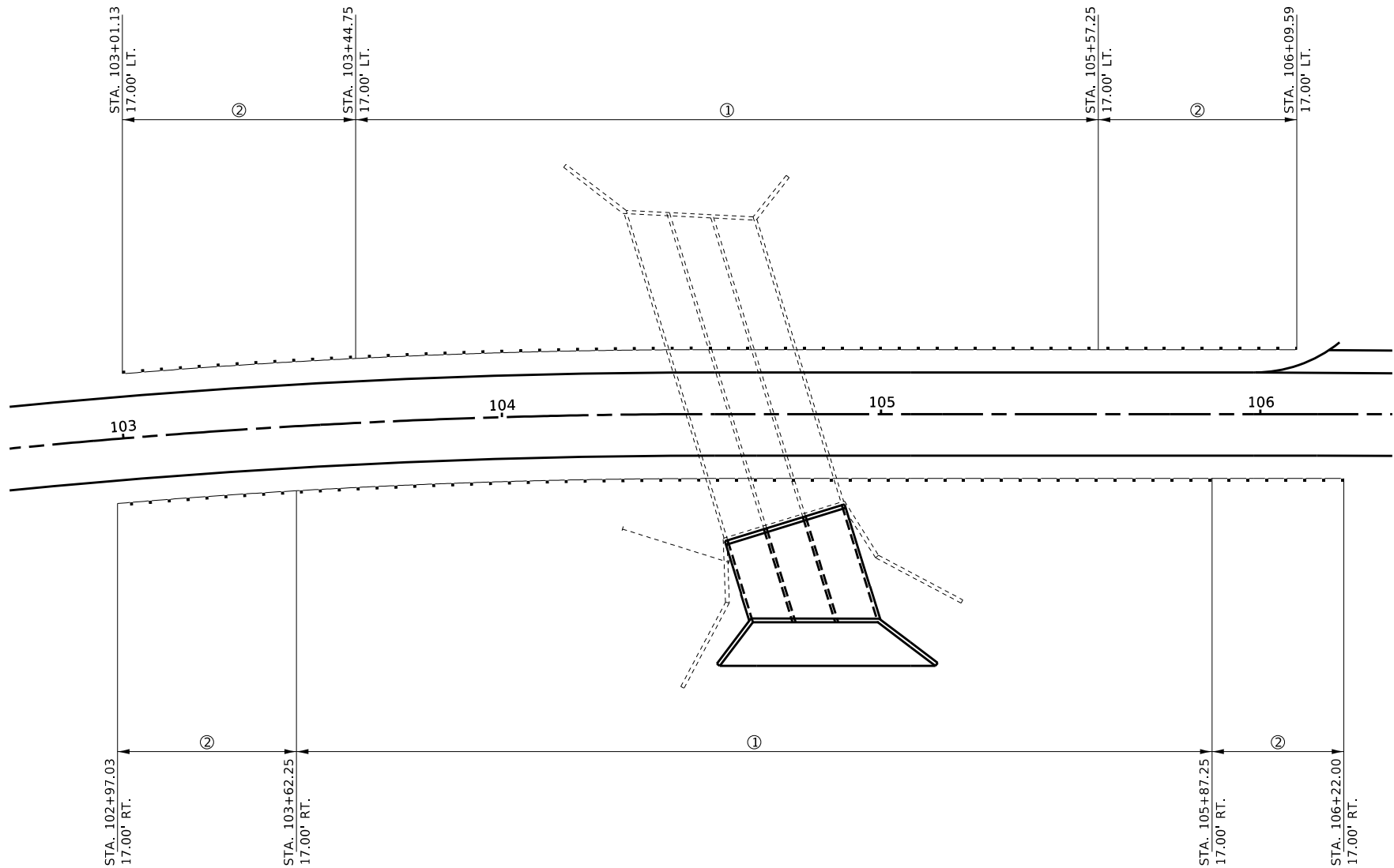
PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNMENT CHECKED		
	RT. OF WAY CHECKED		
	C&G FILE NAME		
NOTE BOOK			
NO.			

PROFILE	SURVEYED _____	BY _____	DATE _____
	PLOTTED _____		
NOTE BOOK	GRADES CHECKED _____		
NO. _____	B.M. NOTED _____		
	STRUCTURE NOTATNS CHKD _____		





FILE NAME = 180032-shrt-s11dr-grd.dgn HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959 ER	USER NAME = rmosck	DESIGNED - J.W.F.	REVISED -	STATE OF ILLINOIS CLARK COUNTY HIGHWAY DEPARTMENT	SHOULDER LAYOUT			F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - R.D.H.	REVISED -					1658	19-00278-00-DR	CLARK	49	8
		PLOT SCALE = \$SCALE\$	CHECKED - S.W.M.		SCALE:			HOGUE TOWN ROAD / C.H. 26		CONTRACT NO. 95833		
		PLOT DATE = 1/13/2021	DATE = 11/12/2020		SHEET NO. 1 OF 1 SHEETS			STA. TO STA.		ILLINOIS FED. AID PROJECT 1MBH(807)		



- ① SPBGR TYPE A, 6 FT. POSTS
- ② TBT TY 1, SPECIAL TANGENT

GUARDRAIL LAYOUT

NOTES

Exposed edges shall be beveled 3/4".
For backfilling and embankment, see Standard Specifications, except that Granular Backfill shall be placed as shown in Backfill Detail on sheet 3 of 6 for the full length of the culvert.
All construction joints shall be bonded.
Precast concrete box culverts will not be allowed.
Reinforcement bars designated (E) shall be epoxy coated.
It shall be the responsibility of the Contractor to dewater the area and divert flow during construction in order to keep construction areas free of water. The method of water diversion shall subject to the approval of the Engineer and shall be included in the cost of Concrete Box Culverts.
Concrete Removal (Special) shall include areas shown in the detail of sheet 3 of 8 the existing headwalls, concrete apron and silt at the downstream outlet that as needed to construct the proposed culvert.

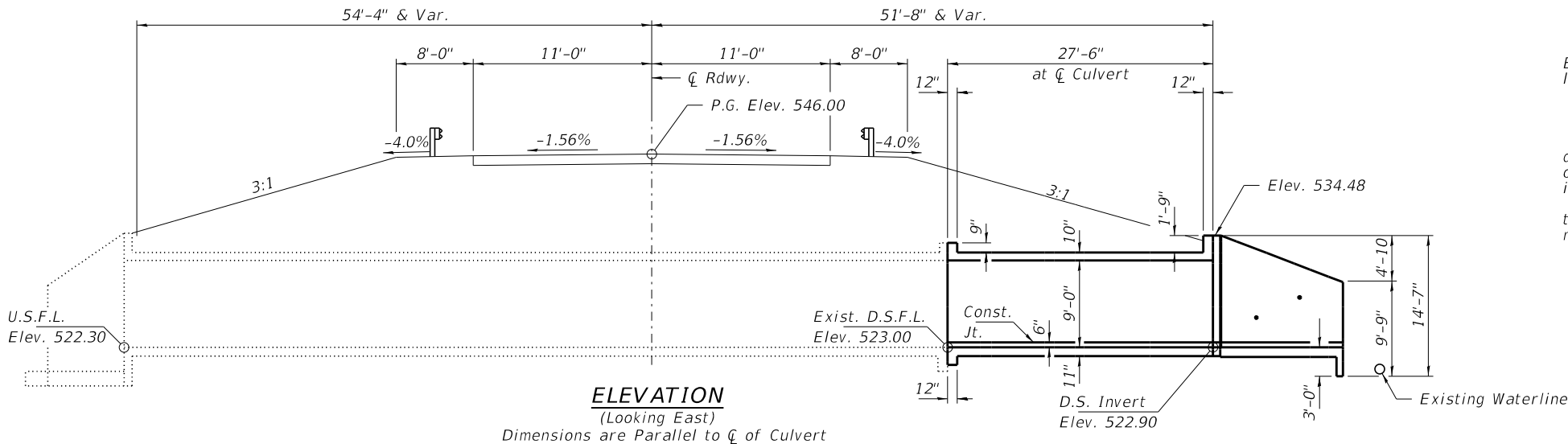
INDEX OF STRUCTURE SHEETS

1. General Plan and Elevation
2-4. Culvert Details
5-8. Existing Plans

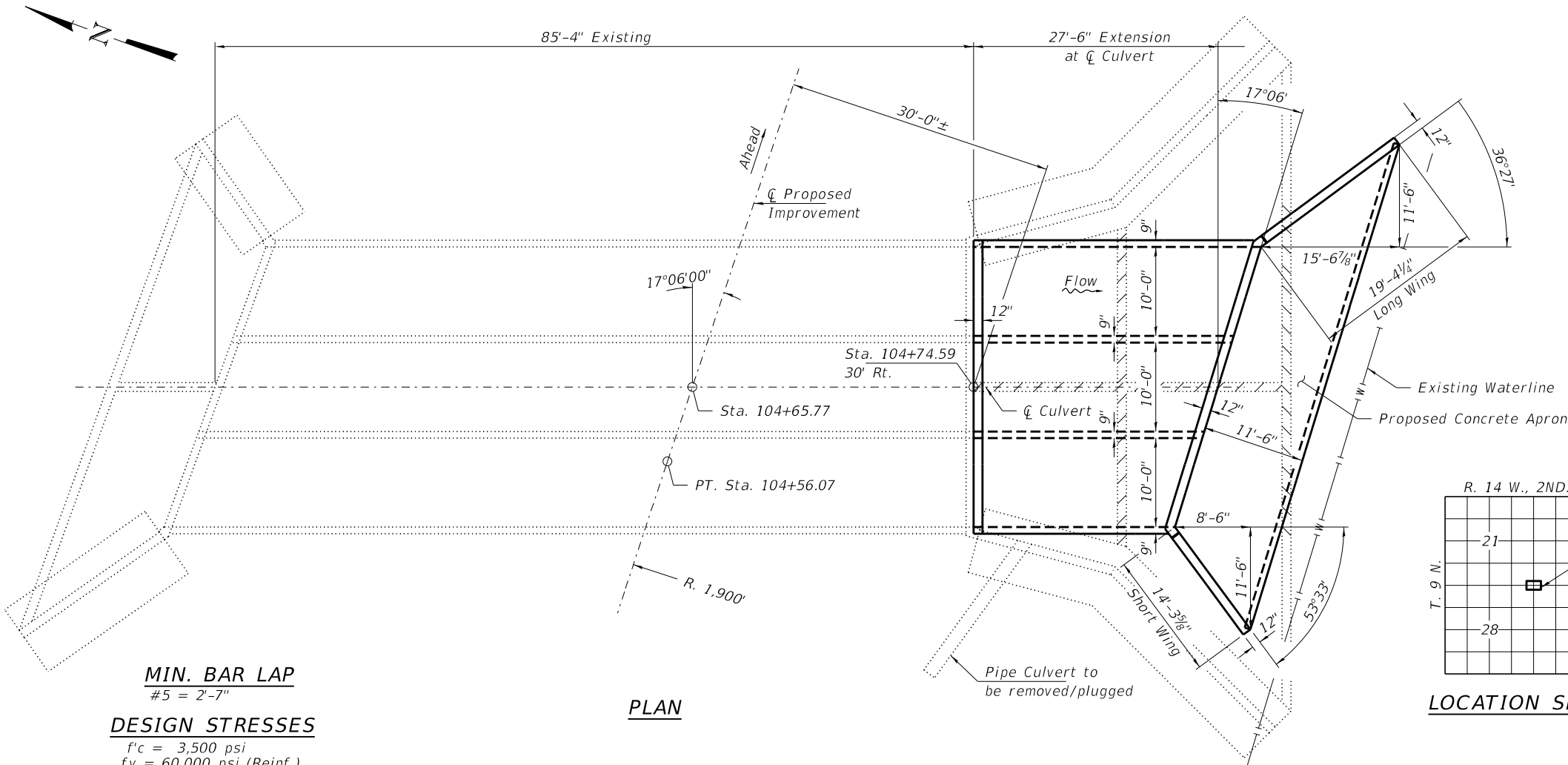
Indicates Concrete Removal, Spl.

BILL OF MATERIAL

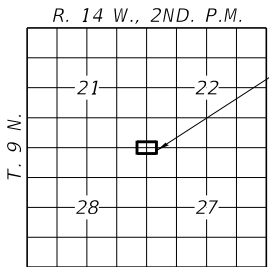
BAR	NO.	SIZE	LENGTH	SHAPE
a(E)	54	#8	34'-6"	
a1(E)	52	#7	32'-8"	
b(E)	24	#4	29'-10"	
b1(E)	24	#4	23'-5"	
b2(E)	66	#4	13'-6"	
b3(E)	6	#4	13'-11"	
b4(E)	12	#4	13'-4"	
d(E)	32	#4	3'-5"	
d1(E)	56	#4	4'-5"	
h(E)	142	#6	22'-4"	
h1(E)	60	#6	18'-0"	
h2(E)	10	#6	25'-6"	
h3(E)	10	#6	28'-10"	
h4(E)	10	#6	32'-2"	
h5(E)	5	#7	32'-8"	
h6(E)	8	#7	34'-0"	
h7(E)	34	#6	18'-2"	
h8(E)	2	#4	18'-9"	
h9(E)	34	#6	13'-1"	
h10(E)	2	#4	14'-0"	
s(E)	32	#4	4'-11"	
s1(E)	34	#4	6'-11"	
v(E)	226	#6	9'-0"	
v1(E)	226	#6	6'-0"	
v2(E)	4	#4	12'-2"	
v3(E)	54	#5	16'-8"	
v4(E)	76	#5	16'-8"	
z(E)	76	#8	9'-2"	
z1(E)	54	#8	8'-8"	
Porous Granular Embankment			Ton	470
Stone Dumped Riprap, Class A4			Ton	150
Aggregate Base Course, Ty. B			Ton	42
Reinf. Bars, Epoxy Coated			Pound	31,260
Expansion Bolts ¾"			Each	56
Concrete Box Culverts			Cu. Yd.	130
Membrane Waterproofing System for Buried Struct.			Sq. Yd.	100
Concrete Removal (Special)			L Sum	1



ELEVATION
(Looking East)
Dimensions are Parallel to C of Culvert



PLAN



LOCATION SKETCH

MIN. BAR LAP
#5 = 2'-7"

DESIGN STRESSES

f'c = 3,500 psi
fy = 60,000 psi (Reinf.)

LOADING HL-93

Design Specifications: 2020 AASHTO LRFD
with all interims.

LOADING H15-S12-44

EXISTING DESIGN STRESSES

f'c = 1,400 psi (Barrel)
vc = 75 psi (Ftgs.)
fs = 20,000 psi (Reinf.)

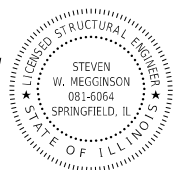
WATERWAY INFORMATION

Drainage Area = 10.1 Sq. Mi.			Existing Low Grade Elev. 546.0 at Sta. 104+00 Proposed Low Grade Elev. 547.3 at Sta. 105+00						
Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Nat. H.W.E.	Head - Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
	10	2470	270	270	533.8	1.8	1.8	535.6	535.6
Design	20	3120	270	270	534.4	3.0	2.9	537.4	537.3
Base	100	4760	270	270	535.7	7.0	6.9	542.7	542.6
Max. Calc.	500	6530	270	270	536.9	9.9	9.9	546.8	546.8

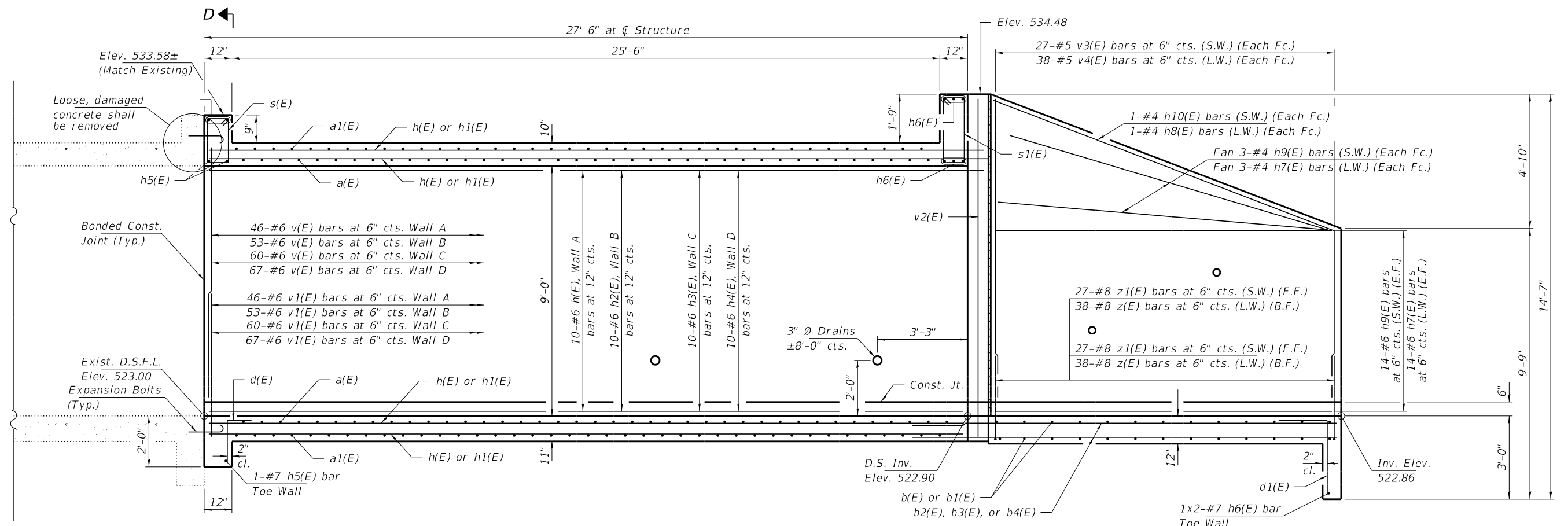
10 Year Velocity through Existing Bridge = 9.1 fps 10 Year Velocity through Proposed Bridge = 9.1 fps

I certify that to the best of my knowledge, information and belief, this culvert design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the current "AASHTO LRFD Specifications."

Steven W. Megginson 11/12/2020
ILLINOIS STRUCTURAL NO. 081-6064

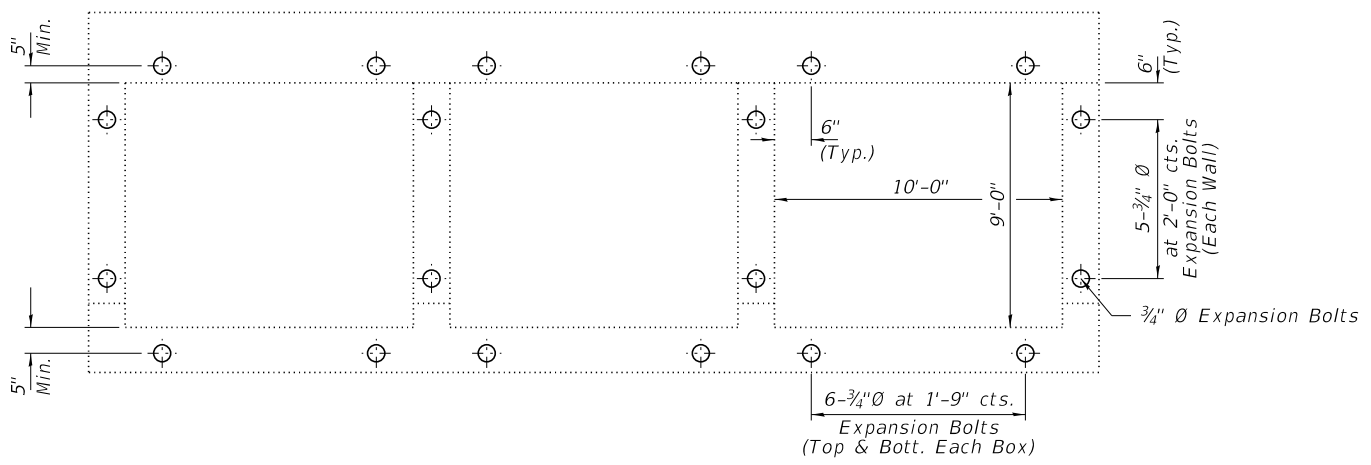


Expires 11-30-2022

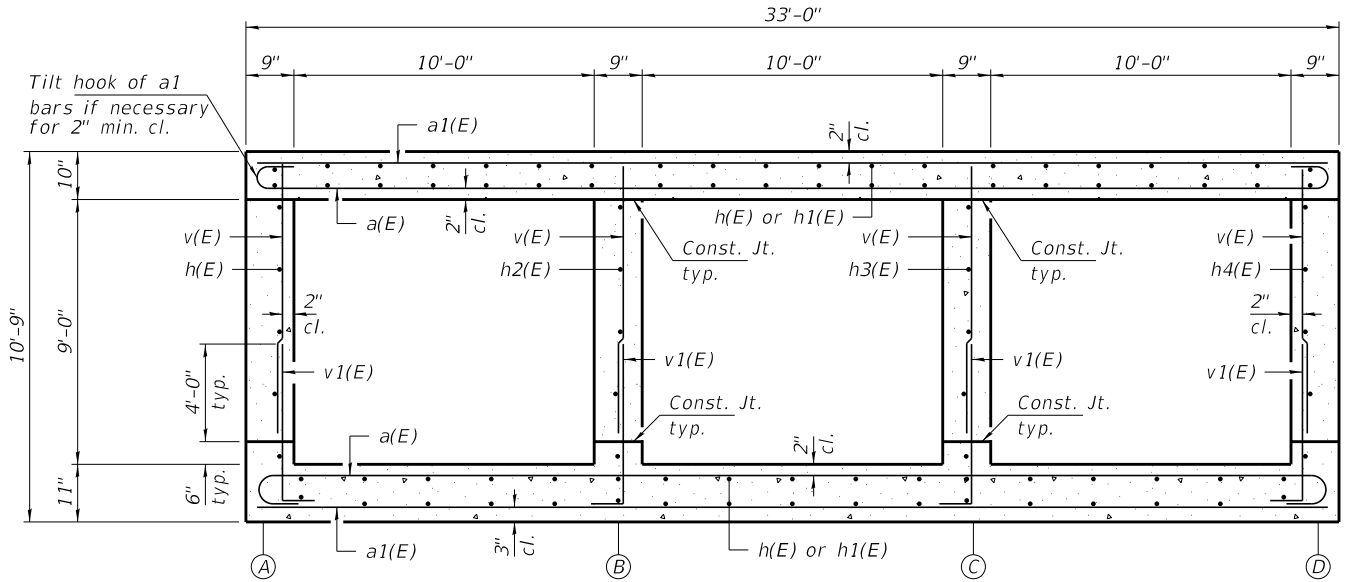


ELEVATION

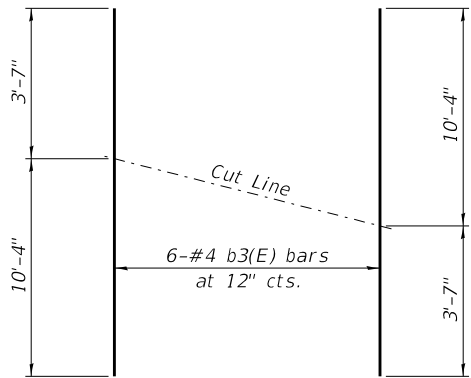
S.W. = Short wing
L.W. = Long wing
F.F. = Front face
B.F. = Back face



SECTION D-D
EXPANSION BOLT LOCATIONS

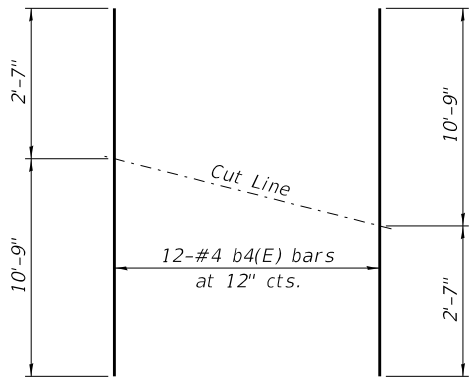


SECTION THRU BARREL



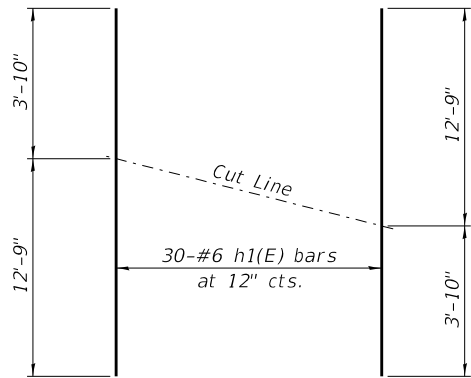
CUTTING DIAGRAM

Order b3(E) bars full length. Cut as shown and use the remainder in opposite face.



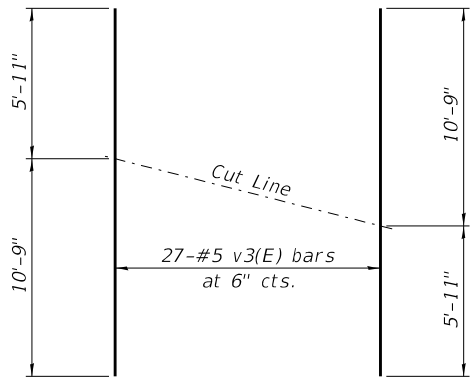
CUTTING DIAGRAM

Order b4(E) bars full length. Cut as shown and use the remainder in opposite face.



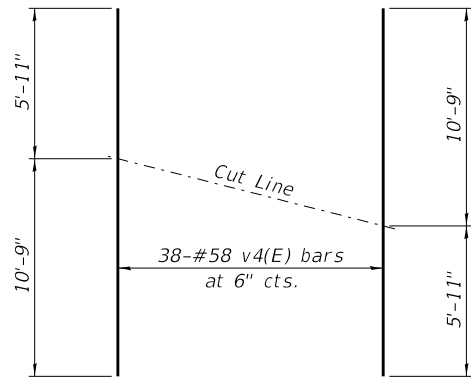
CUTTING DIAGRAM

Order h1(E) bars full length. Cut as shown and use the remainder in opposite face.



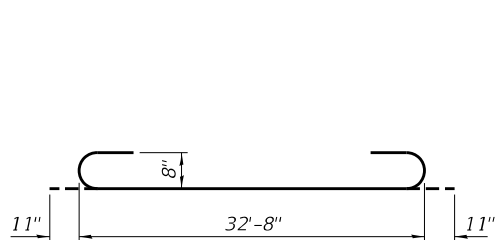
CUTTING DIAGRAM

Order v3(E) bars full length. Cut as shown and use the remainder in opposite wing.

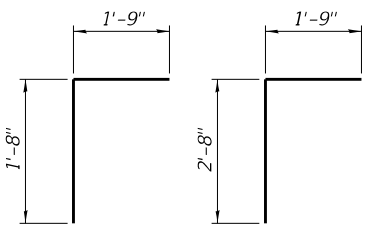


CUTTING DIAGRAM

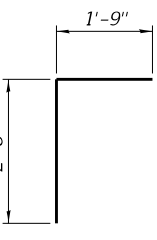
Order v4(E) bars full length. Cut as shown and use the remainder in opposite wing.



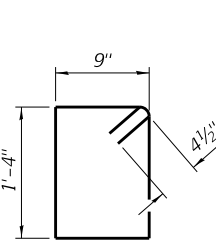
BAR a(E)



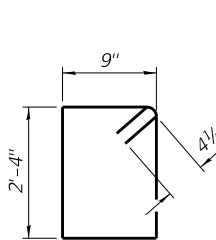
BAR d(E)



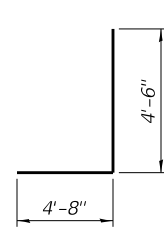
BAR d1(E)



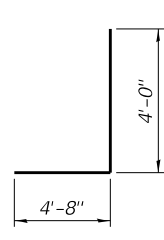
BAR s(E)



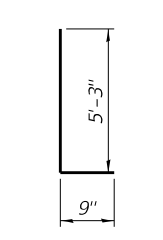
BAR s1(E)



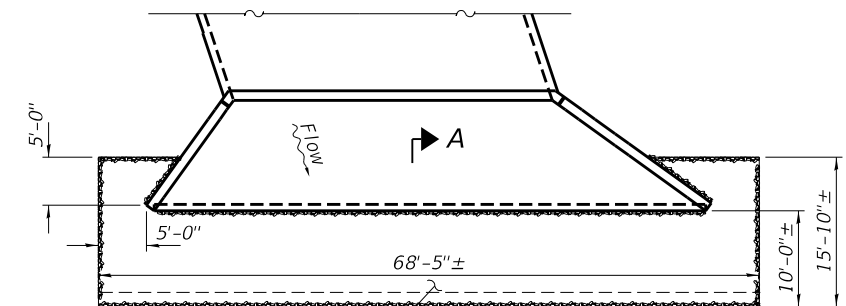
BAR z(E)



BAR z1(E)

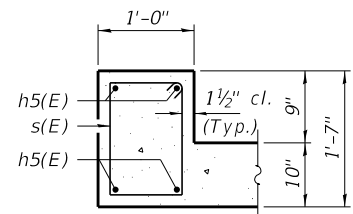


BAR v1(E)

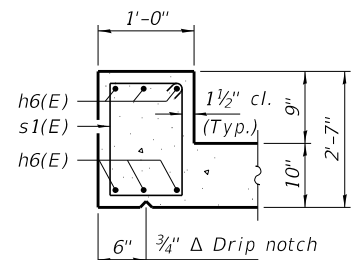


Stone Dumped
Riprap, Class A4

A



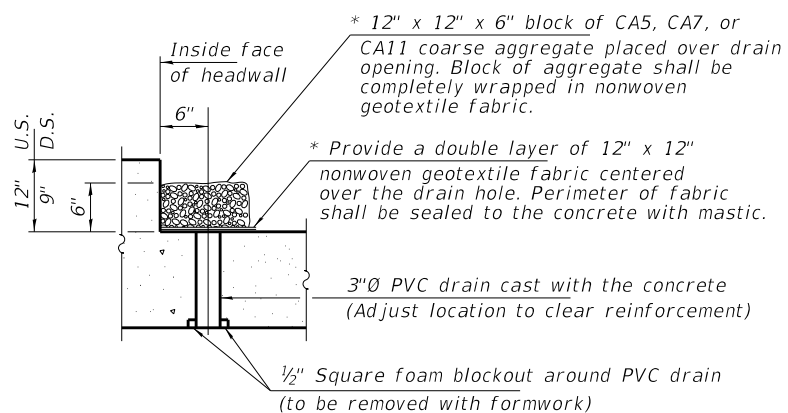
UPSTREAM



DOWNSTREAM

SECTION THRU HEADWALL

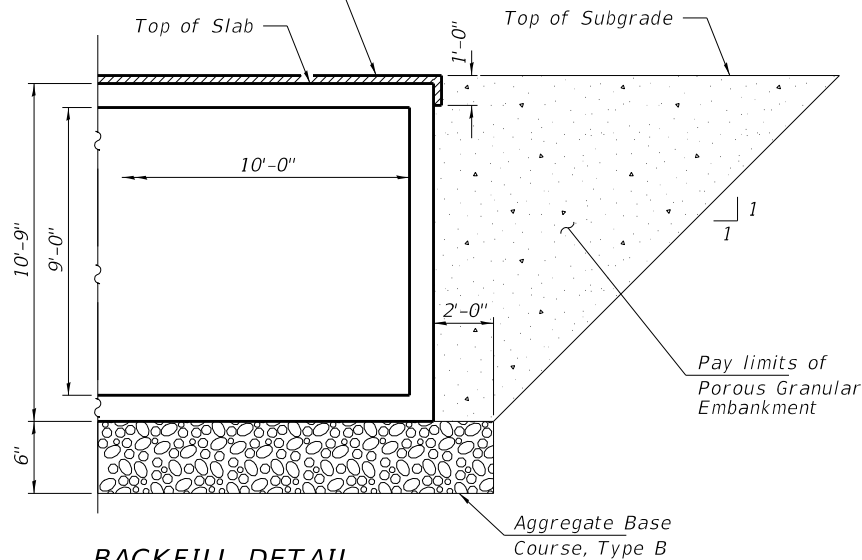
* Nonwoven geotextile fabric shall conform to the requirements of Article 1080.01 of the Standard Specifications. The minimum weight of the fabric shall be 6 ounces per square yard.



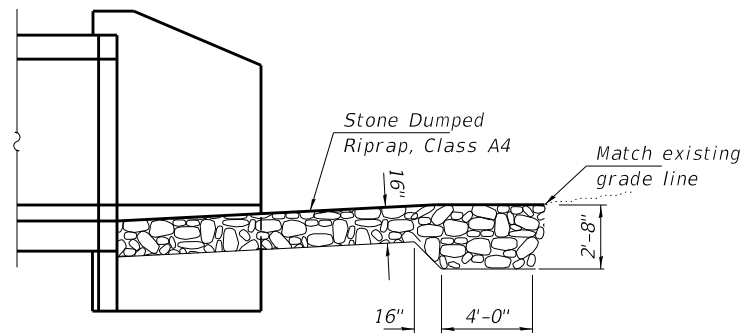
DRAIN DETAIL

(All costs associated with furnishing and constructing the above drain detail will not be measured for payment but shall be included in the contract unit price for Concrete Box Culverts.)

Membrane Waterproofing System
for Buried Structures



BACKFILL DETAIL



SECTION A-A

FILE NAME = 180032-shi-Culvert.dgn	USER NAME = rthosck	DESIGNED - P.R.R.	REVISED -	STATE OF ILLINOIS CLARK COUNTY HIGHWAY DEPARTMENT	CULVERT DETAILS STRUCTURE NO. 012-5002	SHEET NO. 4 OF 8 SHEETS	F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC. 3035 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM L.S. / P.E. / S.E. CORP. 184.000959	PLOT SCALE = \$SCALE\$	CHECKED - S.W.M.	REVISED -				1658	19-00278-00-DR	CLARK	49	13
PLOT DATE = 1/13/2021		DRAWN - R.D.H.	REVISED -				HOGUE TOWN ROAD / C.H. 26		CONTRACT NO. 95833		
		CHECKED - S.W.M.	REVISED -				ILLINOIS		FED. AID PROJECT 1MBH(807)		

B.M. Nail in 15" Walnut 70' Rt. Sta. 107+50. El. 532.42
Existing Structure Pony truss with 15' Rowy on concrete
abutments to be removed by the County prior
to construction.

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

BORING #2

42' Rt. Station 106+15

Ground Elev. 530.00

Loose Brown and
Gray Fine and Coarse
SAND (interlayered)

Medium Gray SILT LOAM

Loose Gray SAND

and SAND LOAM

Medium Gray Brown

SILTY CLAY LOAM

Soft to Medium

Gray Green CLAY

LOAM and SANDY

CLAY LOAM

interlayered

Medium SANDY CLAY LOAM

very stiff to hard Gray

CLAY LOAM till

Limit of Boring

CURVE DATA

Pt. Sta. 104+63.61

A = 14° 38'

D = 4° 11'

P = 350

T = 176.01'

L = 11.25'

SE = 0.000 Ft. Elev.

Affair Super-elevation

Sta. 101+50.7 to Sta. 103+51.7

Sta. 105+62.91 to Sta. 107+54.9

CPW to be removed

BORING #1

55' Lt. Station 105+67

Ground Elev. 531.00

Brown SILTY CLAY

Stiff Brown CLAY LOAM Alluvium

Loose Fine SAND

with a few coarse

SAND Seams

Stiff Gray Blue

CLAY

Soft Gray Green

SILT LOAM

Soft to Medium

Gray Green

SILTY CLAY LOAM

Layered with

CLAY LOAM

Very stiff Gray

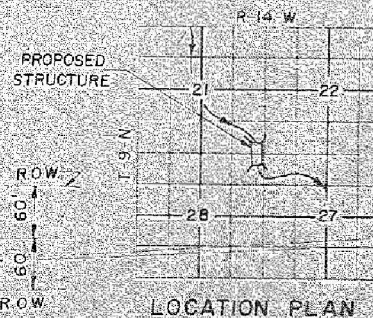
CLAY LOAM till

Limit of Boring

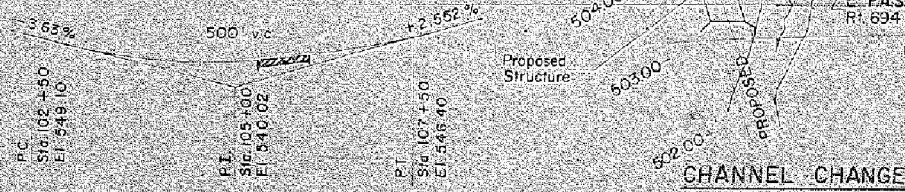
Note: N = Blows per foot of penetration
of standard split spoon Hammer
weight = 140 lbs. Drop = 2'-6"
Q_u = Unconfined compressive
strength in tons per sq. foot.

BILL OF MATERIAL

Bar	No.	Size	Length	Qty	No.	Size	Length
a	316	#7	6'-7"	n	88	#7	3'-6"
a	182	#7	32'-6"	n	86	#5	5'-3"
a	170	#8	18'-3"	n	78	#5	8'-3"
a	43	#4	8'-6"	n	164	#5	7'-2"
d	276	#4	5'-6"	n	48	#5	1'-3"
d	12	#5	4'-6"	n	204	#8	9'-2"
d	342	#5	31'-6"	n	204	#8	3'-0"
d	54	#5	31'-9"	n	227	#5	8'-3"
d	108	#5	30'-6"	n	342	#4	2'-9"
d	16	#4	19'-0"	n	34	#7	5'-3"
d	40	#6	18'-9"	n	88	#5	4'-9"
d	16	#4	13'-0"	n	99	#4	8'-9"
d	32	#4	25'-3"	n	19	#4	10'-3"
d	32	#4	15'-6"	n	15	#4	11'-6"
d	66	#5	6'-0"	n	7	#4	12'-9"
d	44	#4	5'-0"	n	12	#5	10'-0"
d	72	#5	21'-6"	n	10	#5	6'-6"
d	12	#5	33'-9"	n	54	#5	19'-0"
d	4	#6	38'-6"	n	12	#5	13'-0"
d	12	#5	33'-3"	n	20	#5	16'-0"
d	4	#6	30'-0"	n	20	#5	25'-9"
d	34	#8	4'-0"	n	6	#5	9'-6"
d	32	#6	4'-9"				
Class V Concrete				Cu Yd	431.7		
Reinforcement Bars				Lb	73,420		
Steel Sheet Piling				Sq. Ft.	1,140		
Name Plates				Each	1		



PROFILE F.A.S. RT. 694



WATERWAY INFORMATION

Drainage Area 6,400 Acres
Character wooded rolling, cultivated
Required Opening (15 ft Fl.) 500 Sq. Ft.
Present Opening 400 Sq. Ft.
Proposed Opening 270 Sq. Ft.
Ordinary Water Elev. 522.3
Low Water Elev. 522.0 (Dry)

STATION 105+68.0
RESTITUTION BRIDGE
BUILT 196
F.A.S. RT. 694 SEC. 208-Q
PROJ. S-694(101)
LOADING H15-S12

NAME PLATE

See Standard 21/3
Located at SW Corner

RESTITUTION CULVERT AT
MOUNTS BRANCH
PROJ. S-694(101)

F.A.S. RT. 694 SEC. 208-Q
CLARK COUNTY
STA. 105+88.00

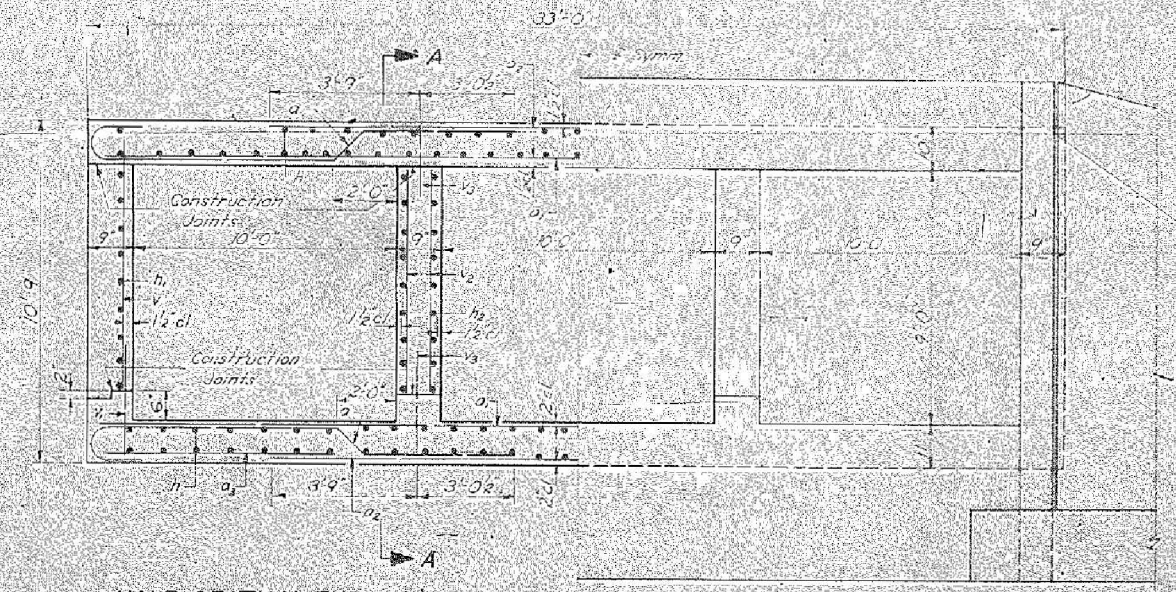
DESIGN STRESSES

(C) = 400 psi Barrel
(P) = 75 psi Flgs
fs = 20,000 psi Reinf.
fs = 1,000 psi Windwalls & Flgs
Max. Soil Pressure under footing = 33 K.S.F.
n = 10

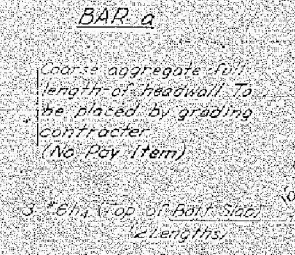
LOADING H15-S12-43

APPROVED	Paul G. Bennett
CHECKED	
DRAWN	Paul G. Bennett
CHECKED	

EXAMINED	
PASSED	
APPROVED	



HALF END ELEVATION



SHOWING OUTLINES

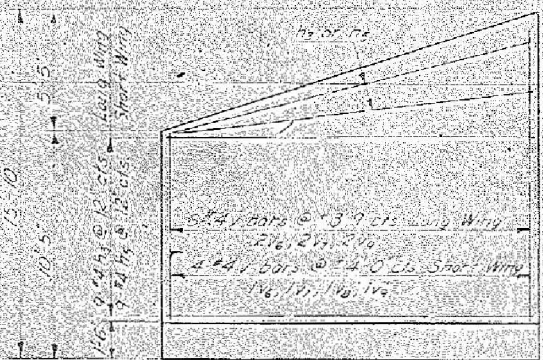
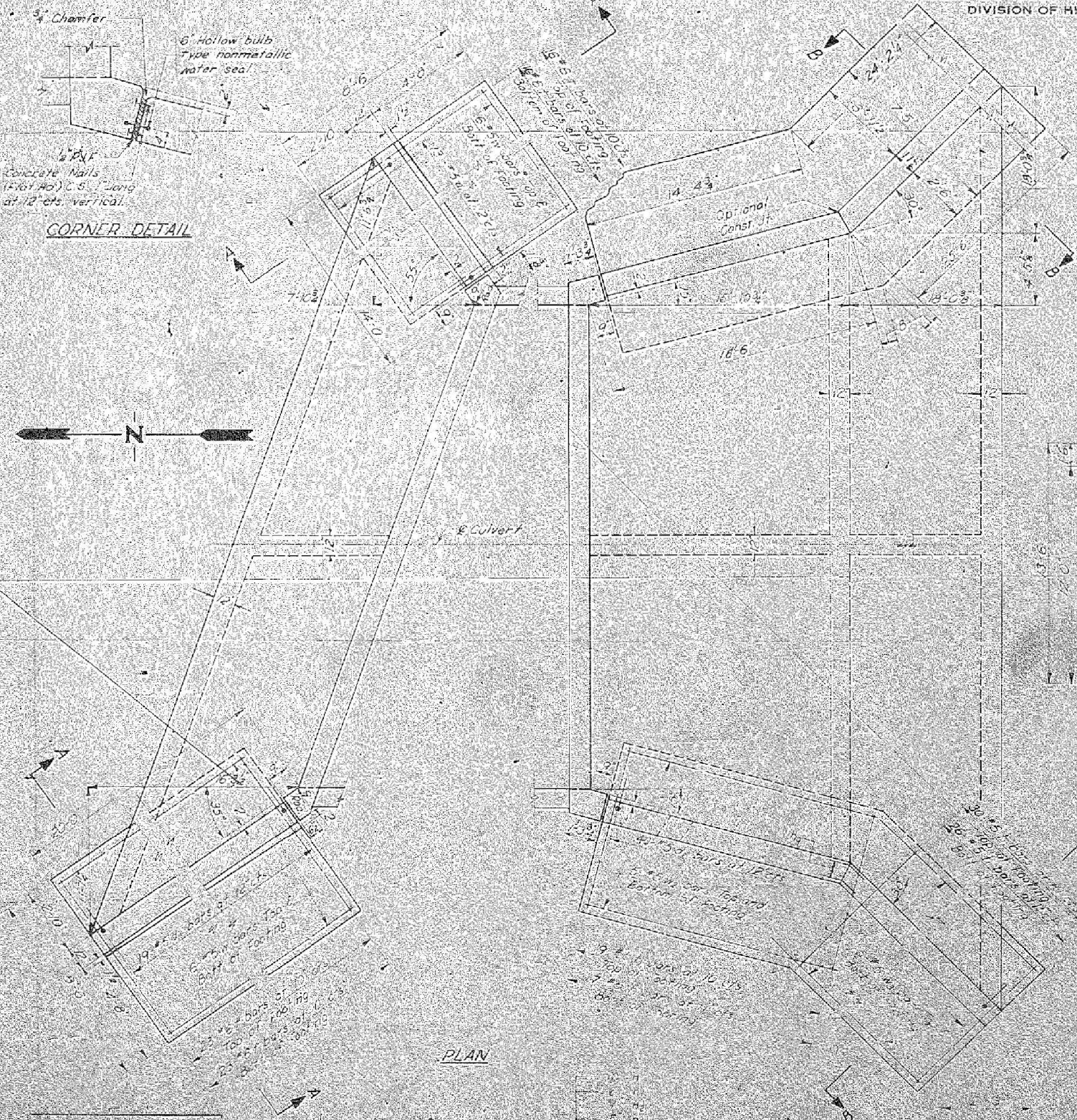
* Cut a bar to fit skew
Use balance of bars from the
slab as bottom slab

CULVERT DETAILS
FA5 RT 694 SEC 208 G
CLARK COUNTY
STA 105+88.00

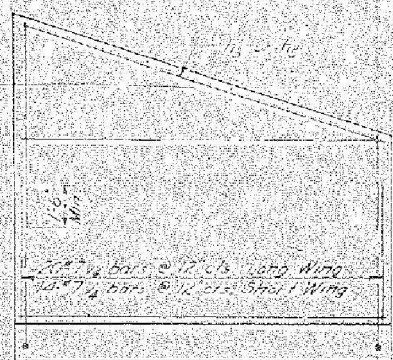
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

DATE	REVISION	BY	CHKD	DATE
6/9/89	2089	CLARK	38	34

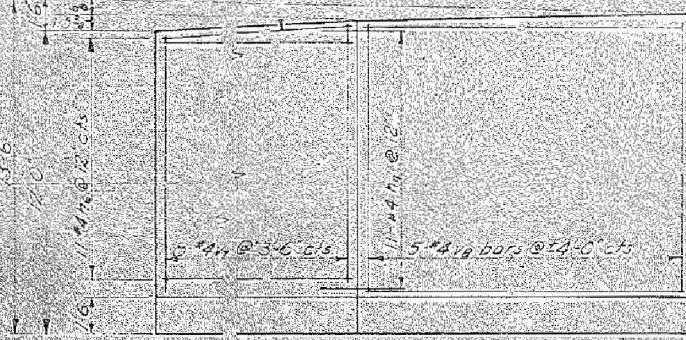
SHEET NO. 3
7 SHEETS



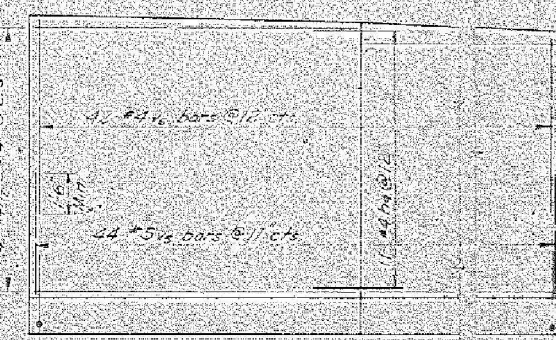
REIN. FRONT FACE
(North Wings)



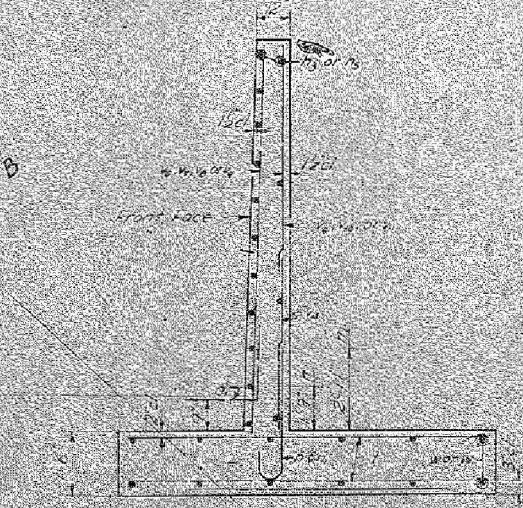
REIN. BACK FACE
(North Wings)



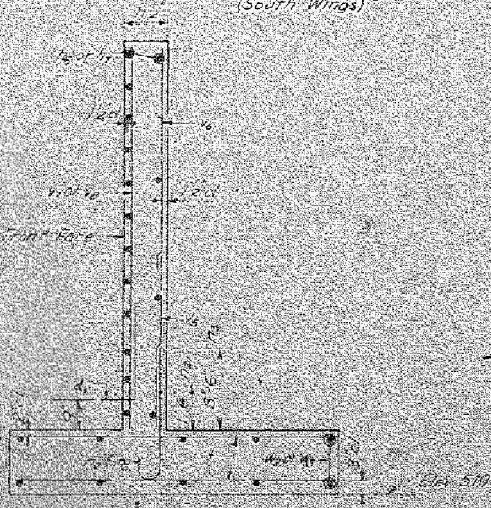
REIN. FRONT FACE
(South Wings)



REIN. BACK FACE
(South Wings)



SEC. A-A



SEC. B-B

WINCHILL DETAILS
FAS RT 694 SEC 000.0
CLARK COUNTY
STA 105+88.00

DESIGNED	Frank Chapp
CHECKED	Thomas A. Lewis
DRAWN	Thomas A. Lewis
CHECKED	P.C.

EXAMINED
PASSED
APPROVED

BAR #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
-------	---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----

STATE OF ILLINOIS
CLARK COUNTY HIGHWAY DEPARTMENT

EXISTING PLANS
STRUCTURE NO. 012-5002

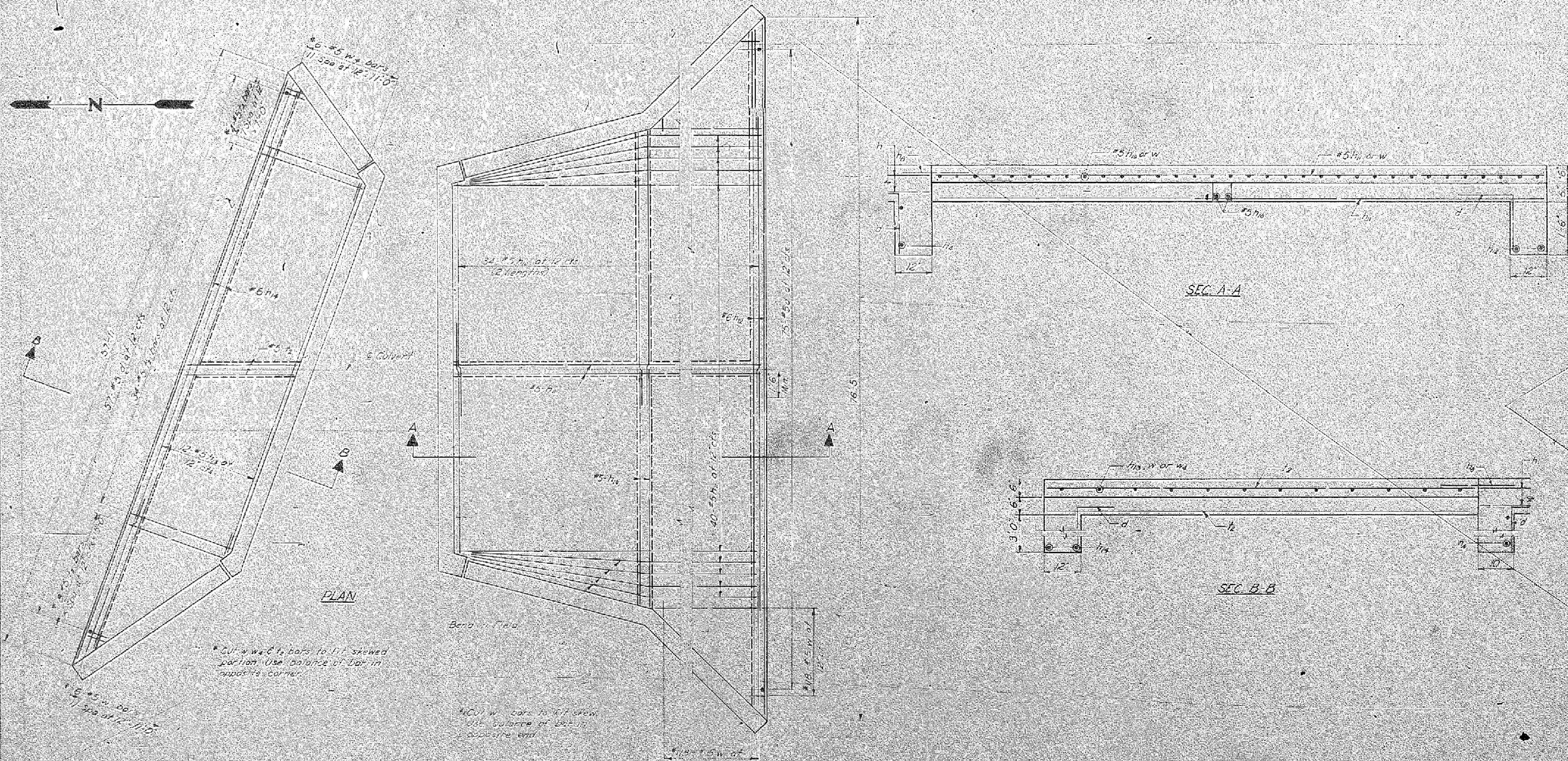
F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1658	19-00278-00-DR	CLARK	49	16
HOGUE TOWN ROAD / C.H. 26		CONTRACT NO. 95833		

ILLINOIS FED. AID PROJECT 1MBH(807)

FILE NAME = 180032-shi-Culvert.dgn	USER NAME = rholick	DESIGNED - P.R.R.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC.		CHECKED - S.W.M.	REVISED -
3035 STEVENSON DRIVE, SUITE 201		DRAWN - R.D.H.	REVISED -
SPRINGFIELD, ILLINOIS 62703		CHECKED - S.W.M.	REVISED -
ILLINOIS PROFESSIONAL DESIGN FIRM			
LS / PE / SE CORP. 184.000959			

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

PROJECT NO.	604	2080	CLARK	38	35	SHEET NO.
ILLINOIS	ILLINOIS	ILLINOIS	ILLINOIS	ILLINOIS	ILLINOIS	ILLINOIS



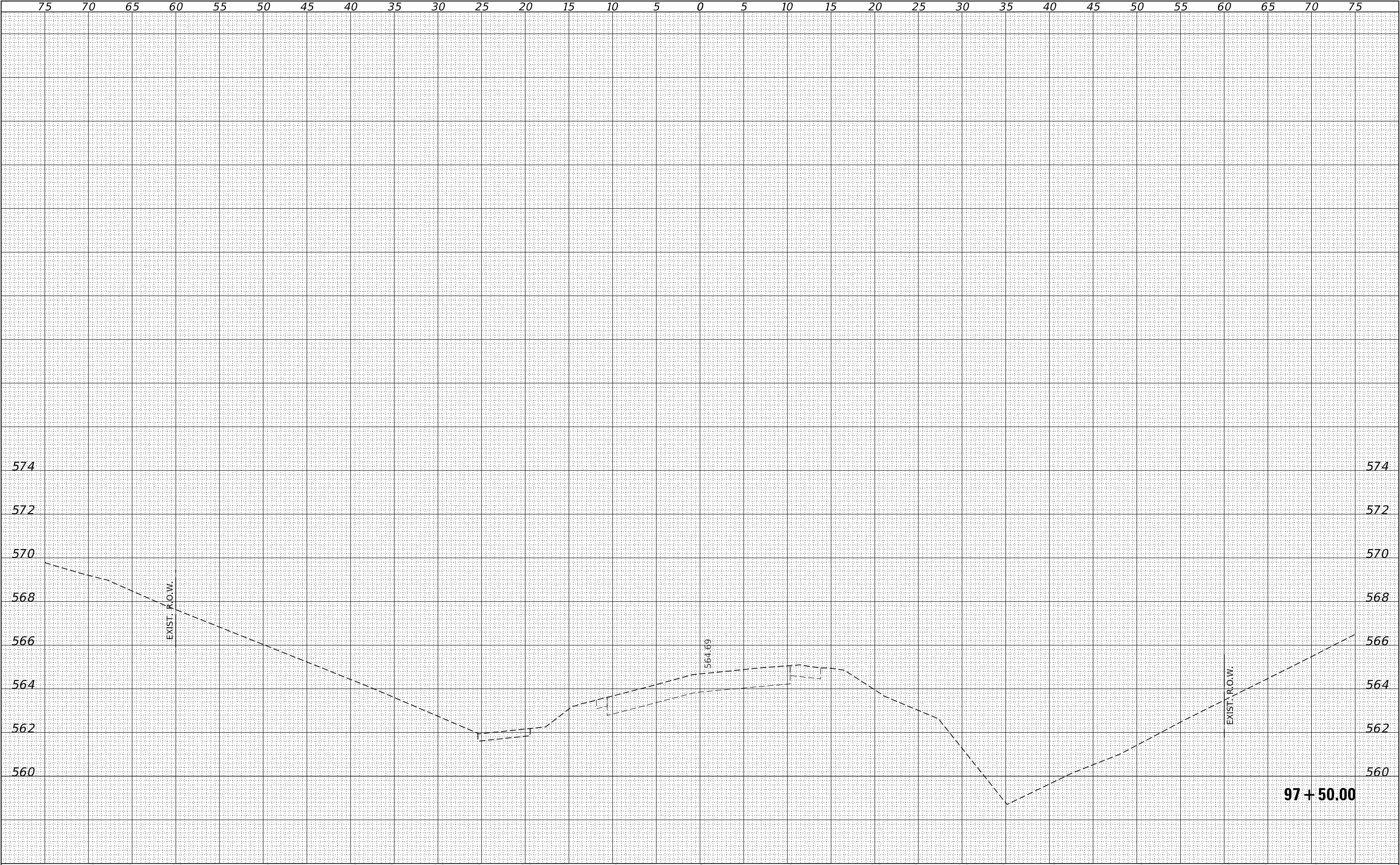
DESIGNED	10/1/63
CHECKED	10/1/63
DRAWN	10/1/63
CHECKED	10/1/63

APRON DETAILS
FAS. PT. 694 SEC. 208 Q
CLARK COUNTY
STA 105+00.00

FILE NAME = 180032-shi-Culvert.dgn		USER NAME = rholick	DESIGNED - P.R.R.	REVISED -	STATE OF ILLINOIS CLARK COUNTY HIGHWAY DEPARTMENT	EXISTING PLANS STRUCTURE NO. 012-5002	SHEET NO. 8 OF 8 SHEETS	F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
HAMPTON, LENZINI AND RENWICK, INC. 3035 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703		CHECKED - S.W.M.	REVISED -	1658				19-00278-00-DR	CLARK	49	17		
PLOT SCALE = \$SCALE\$		DRAWN - R.D.H.	REVISED -	HOGUE TOWN ROAD / C.H. 26					CONTRACT NO. 95833				
PLOT DATE = 1/13/2021		CHECKED - S.W.M.	REVISED -	ILLINOIS					FED. AID PROJECT 1MBH(807)				

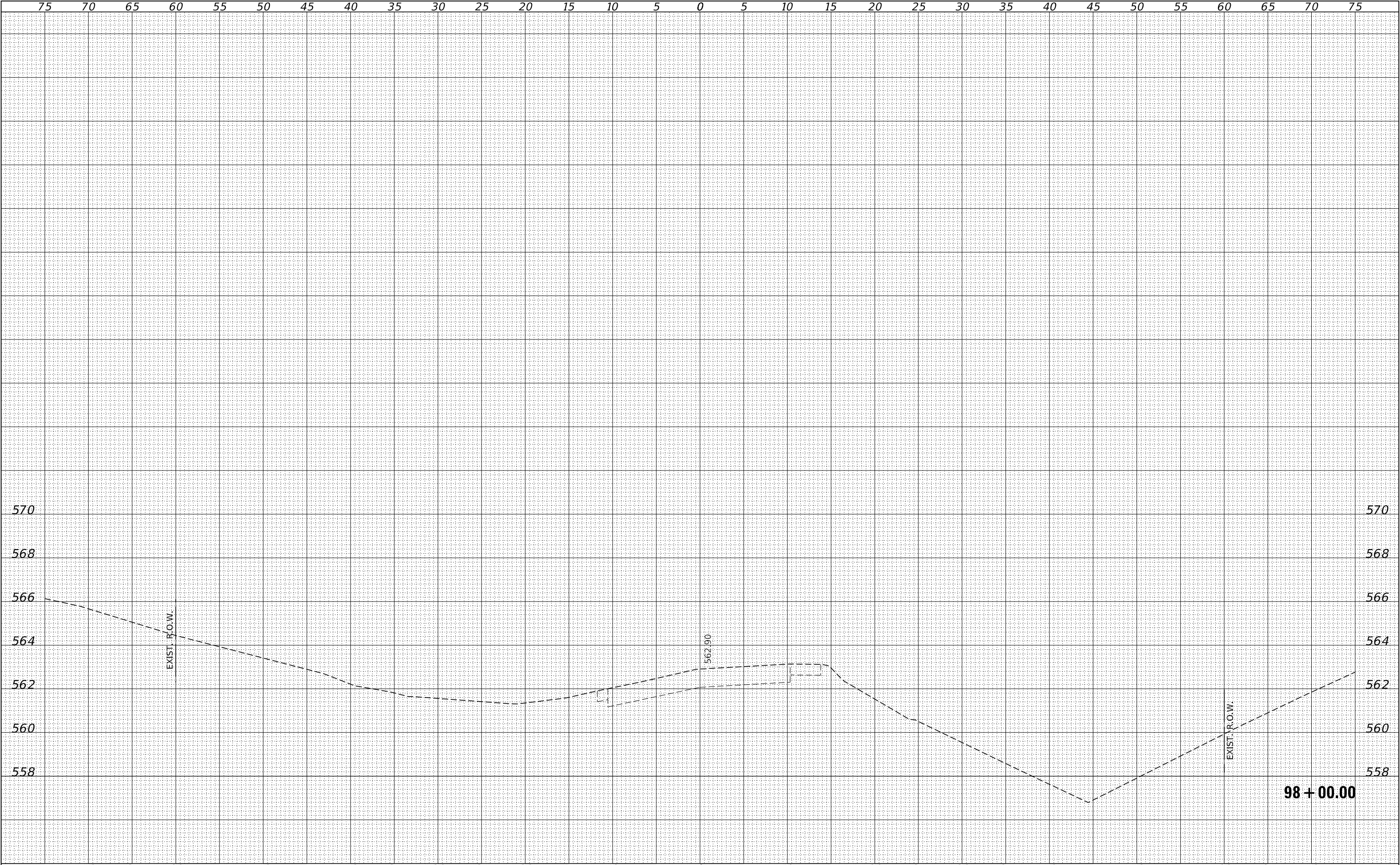
FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	CHECKED		

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



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

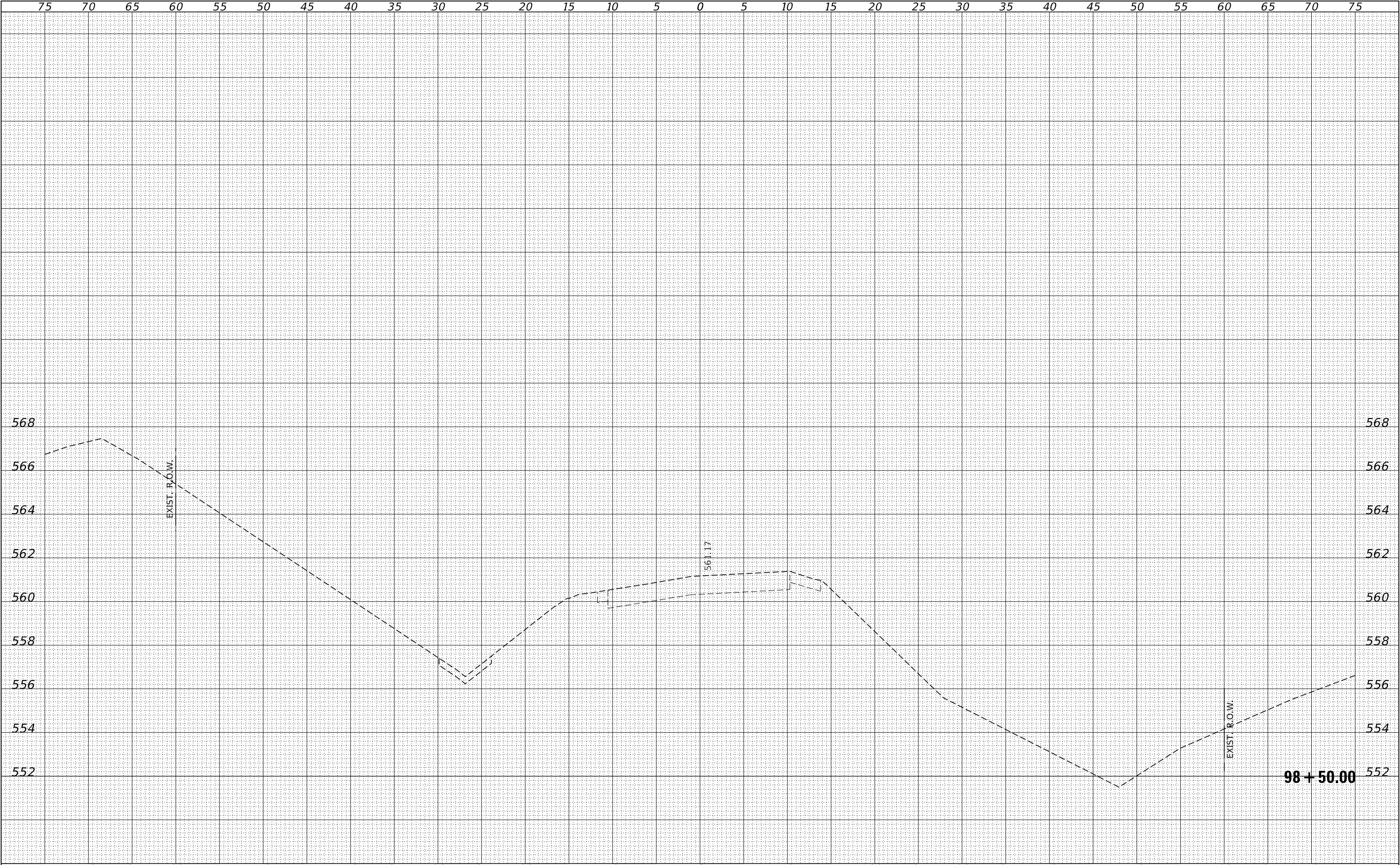
ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	CHECKED		



FILE NAME = 180032-shl-xssheets-mk-Culvert.dgn		USER NAME = rmosck	DESIGNED - J.W.F.	REVISED -	STATE OF ILLINOIS CLARK COUNTY HIGHWAY DEPARTMENT	STATION CROSS SECTIONS					F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
 HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000958	PLOT SCALE = \$SCALES		DRAWN - T.W.K.	REVISED -		1658	19-00278-00-DR		CLARK	49	19				
	PLOT DATE = 1/13/2021		CHECKED - S.W.M.	REVISED -		SCALE: 5H:2V		SHEET NO. 2 OF 32 SHEETS	STA. 98+00.00 TO STA. 98+00.00		HOGUE TOWN ROAD / C.H. 26 CONTRACT NO. 95833				
			DATE - 11/12/2020	REVISED -											
											ILLINOIS FED. AID PROJECT 1MBH(807)				

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

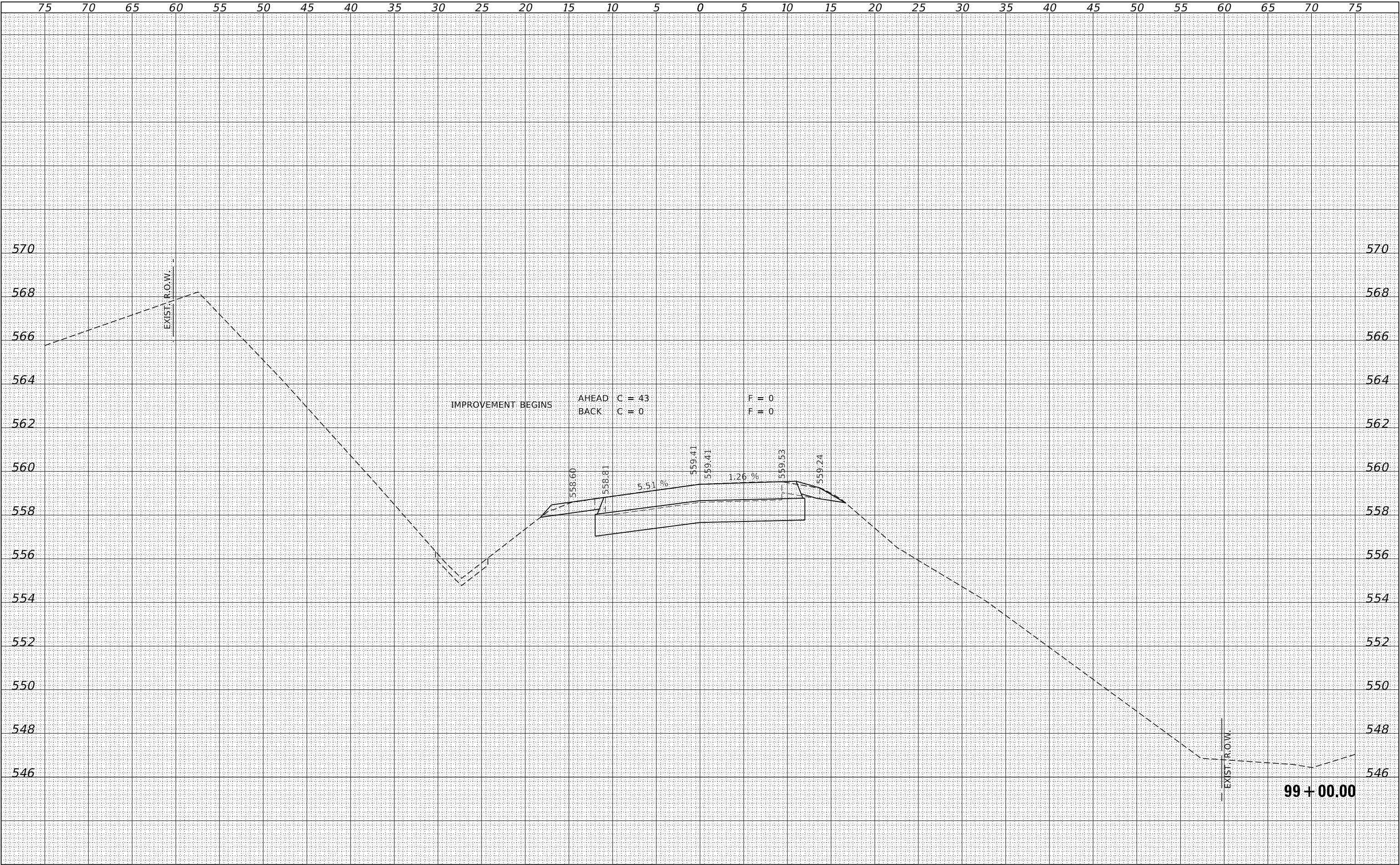
ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	CHECKED		



FILE NAME = 180032-shl-xssheets-m-Culvert.dgn	USER NAME = rmosck	DESIGNED - J.W.F.	REVISED -	STATE OF ILLINOIS CLARK COUNTY HIGHWAY DEPARTMENT				STATION CROSS SECTIONS				F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000958	PLOT SCALE = \$\$SCALE\$	DRAWN - T.W.K.	REVISED -									1658	19-00278-00-DR	CLARK	49	20
	PLOT DATE = 1/13/2021	CHECKED - S.W.M.	REVISED -									HOGUE TOWN ROAD / C.H. 26				CONTRACT NO. 95833
		DATE - 11/12/2020	REVISED -									ILLINOIS FED. AID PROJECT 1MBH(807)				
SCALE: 5H:2V				SHEET NO. 3 OF 32 SHEETS				STA. 98+50.00 TO STA. 98+50.00								

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

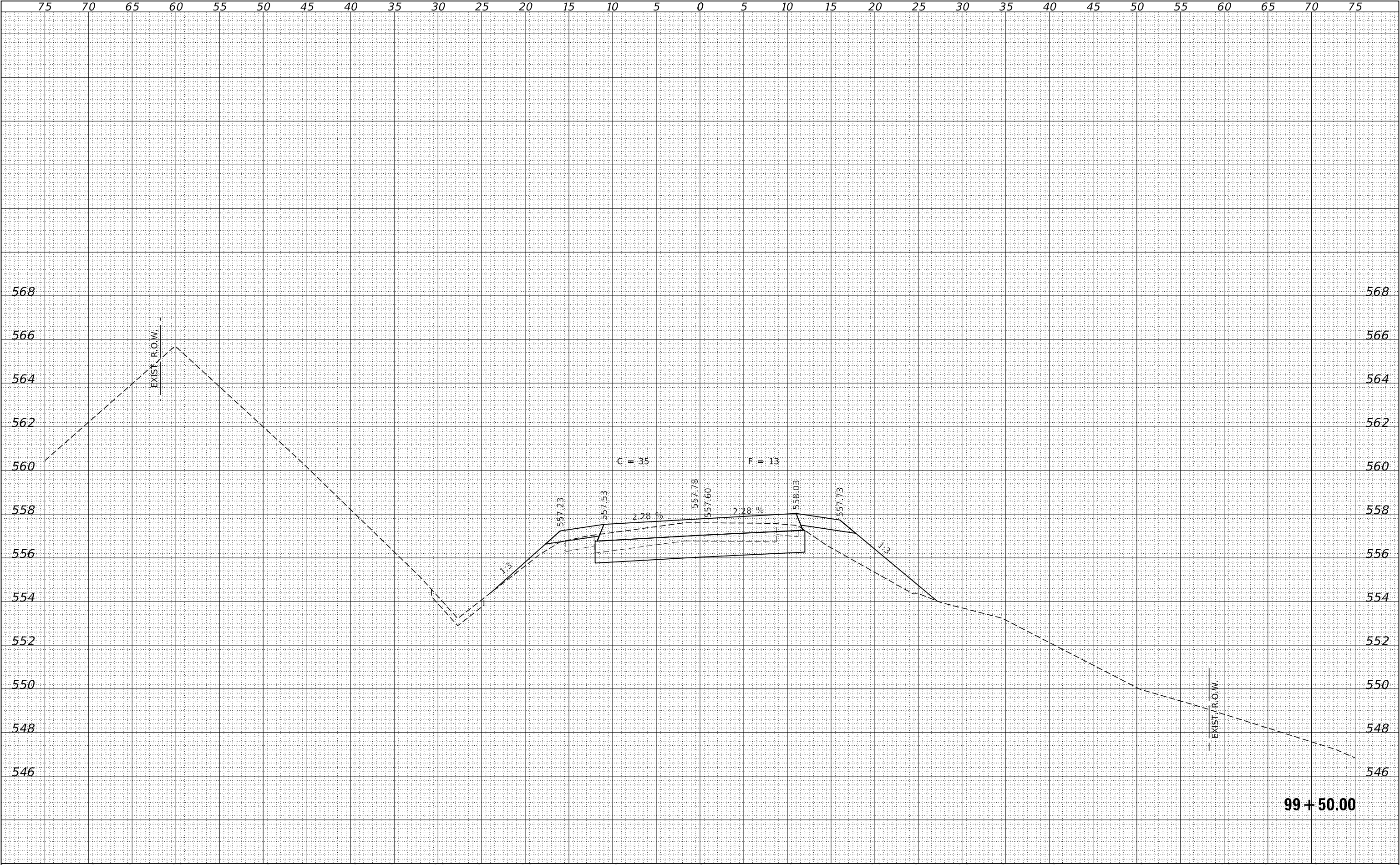
ORIGINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS CHECKED		



FILE NAME = 180032-shl-xssheets-m-Culvert.dgn		USER NAME = rmosck	DESIGNED - J.W.F.	REVISED -	STATE OF ILLINOIS CLARK COUNTY HIGHWAY DEPARTMENT					STATION CROSS SECTIONS					F.A.S.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.			
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000958 ILLR ILLINOIS		PLOT SCALE = \$SCALE\$	DRAWN - T.W.K.	REVISED -						1658	19-00278-00-DR		CLARK	49	21								
		PLOT DATE = 1/13/2021	CHECKED - S.W.M.	REVISED -						HOGUE TOWN ROAD / C.H. 26					CONTRACT NO. 95833								
				DATE - 11/12/2020						REVISED -	SCALE: 5H:2V					SHEET NO. 4 OF 32 SHEETS		STA. 99+00.00 TO STA. 99+00.00			ILLINOIS FED. AID PROJECT 1MBH(807)		

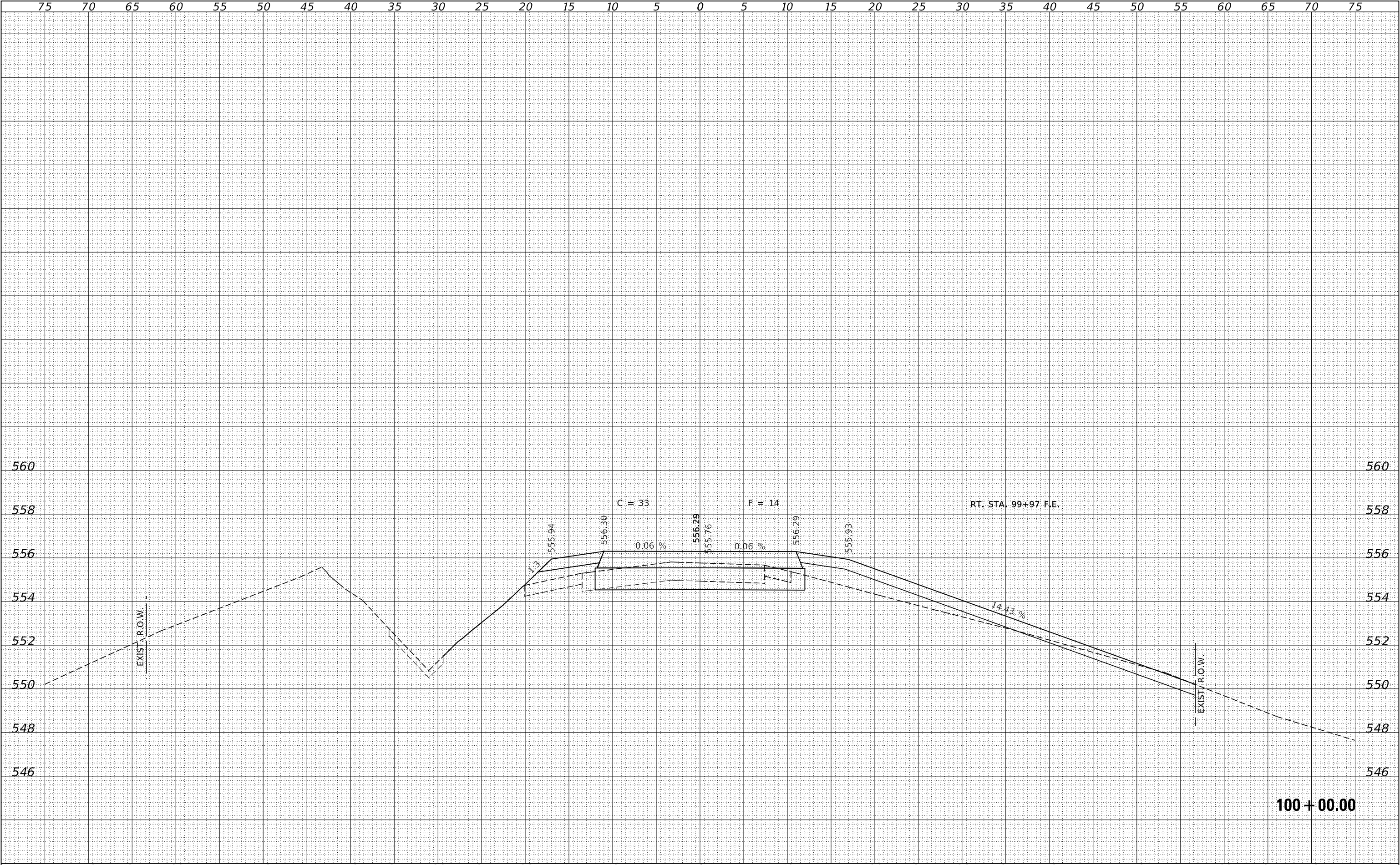
FINAL SURVEY	SURVEYED PLOTTED NOTE BOOK NO.	BY	DATE

ORIGINAL SURVEY	SURVEYED PLOTTED NOTE BOOK NO.	BY	DATE



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

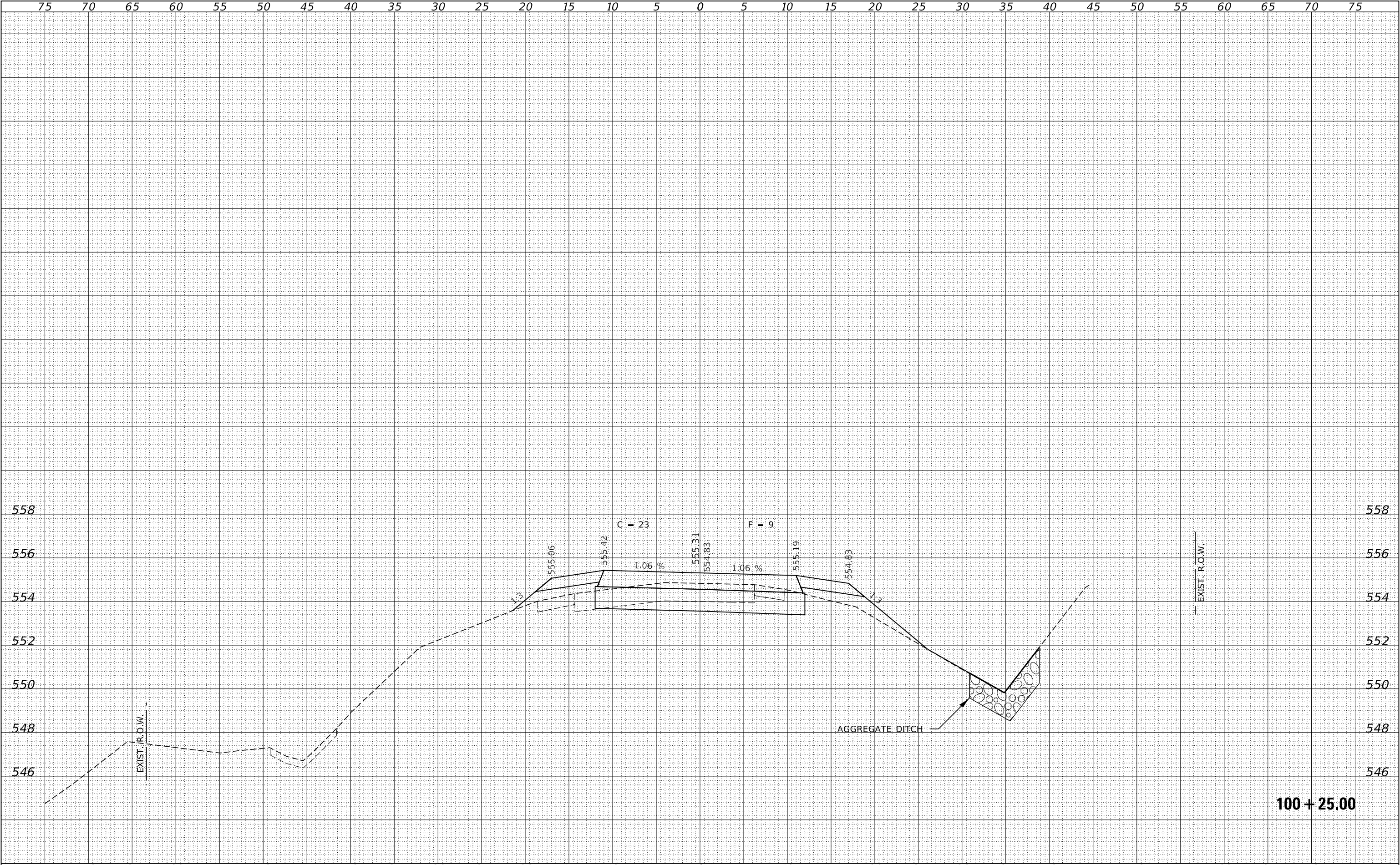
ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	CHECKED		



FILE NAME = 180032-sh1-xssheets-m-Culvert.dgn	USER NAME = rmosck	DESIGNED - J.W.F.	REVISED -	STATE OF ILLINOIS CLARK COUNTY HIGHWAY DEPARTMENT				STATION CROSS SECTIONS				F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC. 3088 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62761 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000958		DRAWN - T.W.K.	REVISED -									1658	19-00278-00-DR	CLARK	49	23
	PLOT SCALE = \$SCALE\$	CHECKED - S.W.M.	REVISED -									HOGUE TOWN ROAD / C.H. 26				CONTRACT NO. 95833
	PLOT DATE = 1/13/2021	DATE - 11/12/2020	REVISED -									ILLINOIS FED. AID PROJECT 1MBH(807)				
								SCALE: 5H:2V	SHEET NO. 6 OF 32 SHEETS	STA. 100+00.00 TO STA. 100+00.00						

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

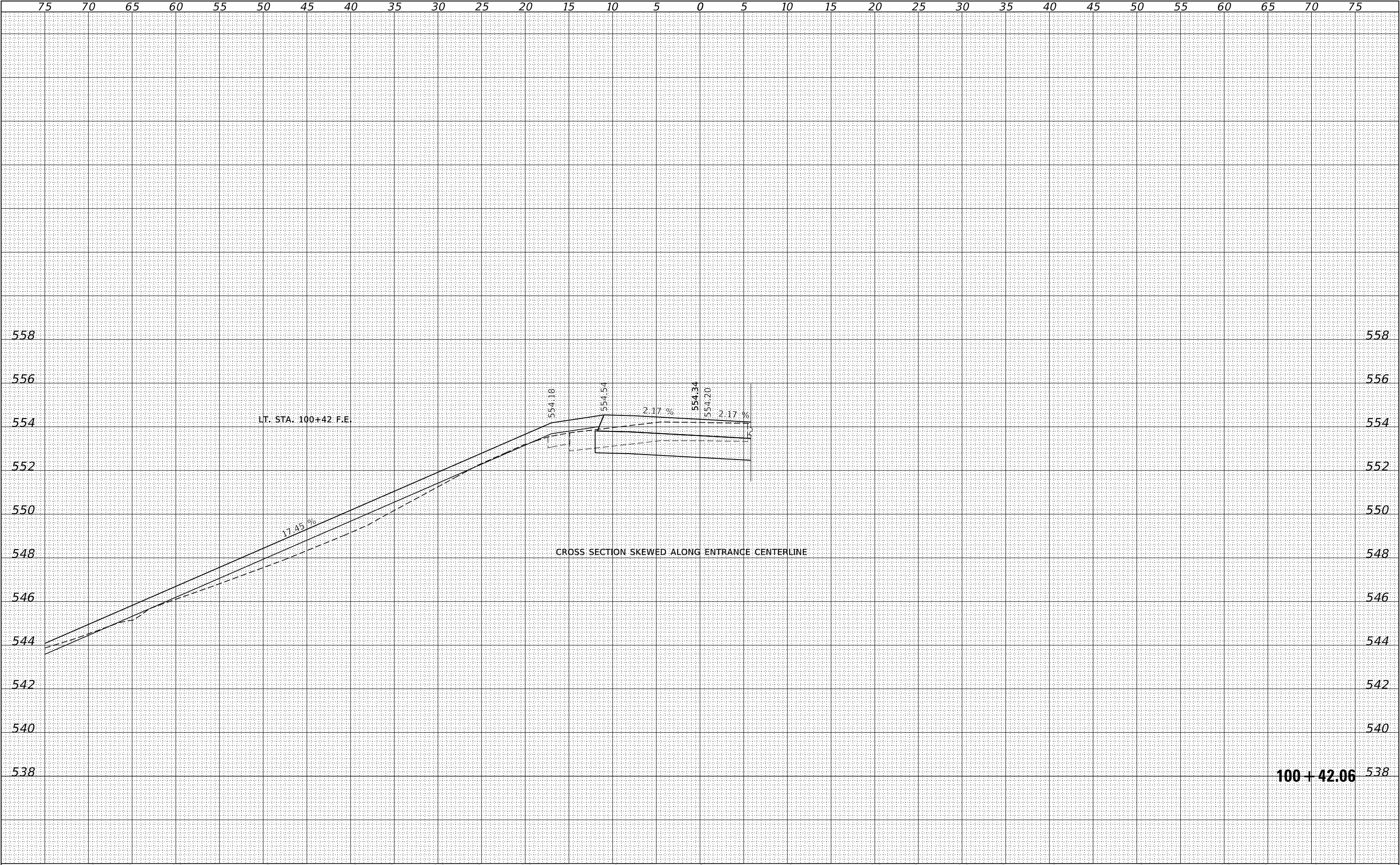
ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	CHECKED		



FILE NAME = 180032-shl-xssheets-m-Culvert.dgn	USER NAME = rmosck	DESIGNED - J.W.F.	REVISED -	STATE OF ILLINOIS CLARK COUNTY HIGHWAY DEPARTMENT				STATION CROSS SECTIONS				F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000958	PLOT SCALE = \$SCALE\$	DRAWN - T.W.K.	REVISED -					SCALE: 5H:2V				1658	19-00278-00-DR	CLARK	49	24
PLOT DATE = 1/13/2021	CHECKED - S.W.M.	REVISIED -	REVISED -					SHEET NO. 7 OF 32 SHEETS				HOGUE TOWN ROAD / C.H. 26				CONTRACT NO. 95833
DATE = 11/12/2020	REVISIED -	REVISED -	REVISED -					STA. 100+25.00 TO STA. 100+25.00				ILLINOIS FED. AID PROJECT 1MBH(807)				

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

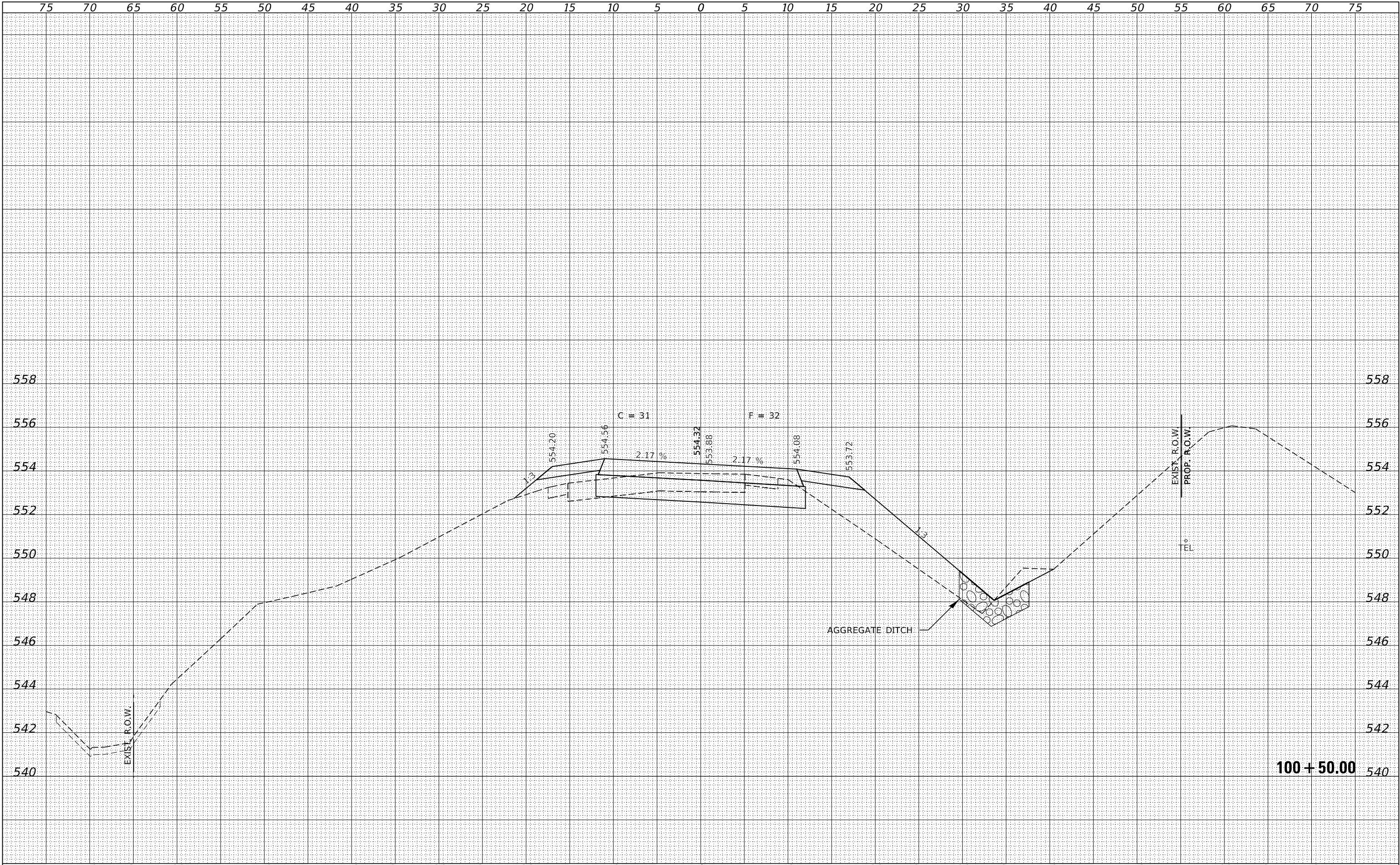
ORIGINAL SURVEY NOTE BOOK NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



FILE NAME = 180032-shl-xssheets-mk-Culvert.dgn		USER NAME = rmosck		DESIGNED - J.W.F.		REVISED -		STATE OF ILLINOIS CLARK COUNTY HIGHWAY DEPARTMENT										STATION CROSS SECTIONS										F.A.S.		SECTION		COUNTY		TOTAL SHEETS		SHEET NO.	
 HAMPTON, LENZI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM L.S. / P.E. / S.E. CORP. 184.000059		PLOT SCALE = \$SCALES		DRAWN - T.W.K.		REVISED -												1658		19-00278-00-DR		CLARK		49		25											
		PLOT DATE = 1/13/2021		CHECKED - S.W.M.		REVISED -												HOGUE TOWN ROAD / C.H. 26		CONTRACT NO. 95833		ILLINOIS		FED. AID PROJECT 1MBH(807)													
				DATE = 11/12/2020		REVISED -												SCALE: 5H:2V		SHEET NO. 8 OF 32 SHEETS		STA. 100+42.06 TO STA. 100+42.06															

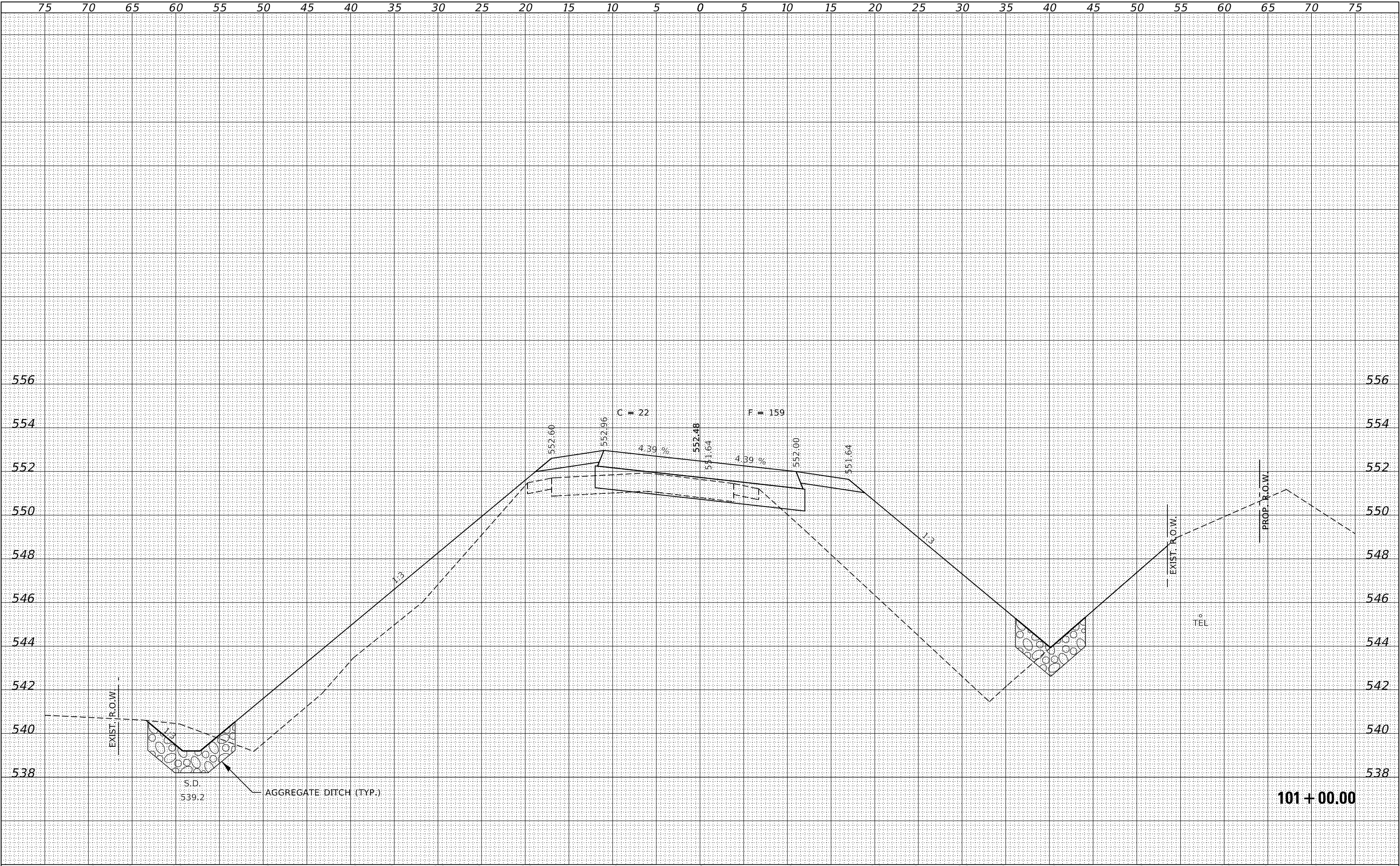
FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	CHECKED		

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



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

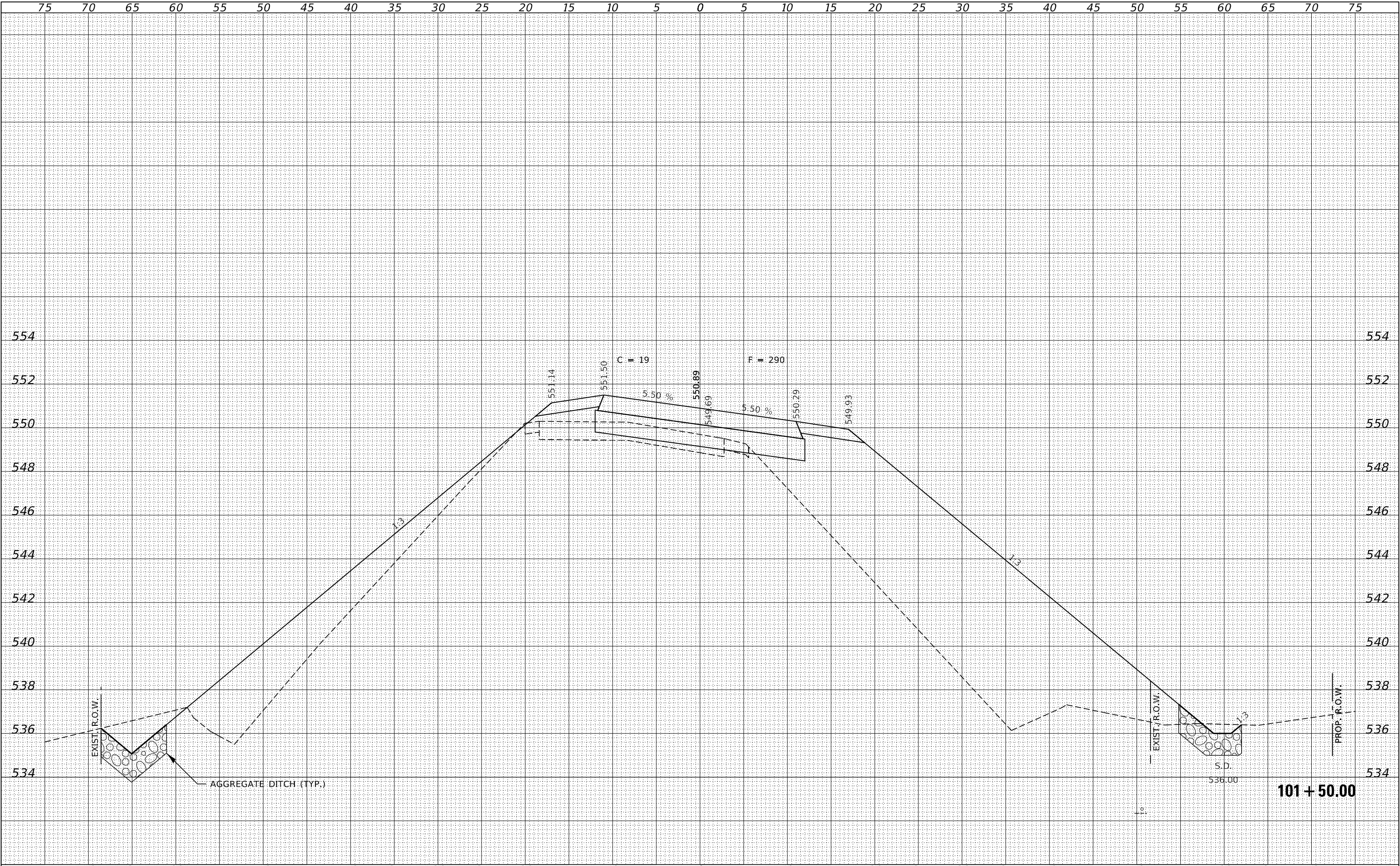
ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	CHECKED		



FILE NAME = 180032-shl-xssheets-mk-Culvert.dgn		USER NAME = rmosck	DESIGNED - J.W.F.	REVISED -	STATE OF ILLINOIS CLARK COUNTY HIGHWAY DEPARTMENT	STATION CROSS SECTIONS					F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
 HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62709 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000958	PLOT SCALE = \$SCALES	DRAWN - T.W.K.	REVISED -	1658		19-00278-00-DR	CLARK	49	27						
	PLOT DATE = 1/13/2021	CHECKED - S.W.M.	REVISED -	HOGUE TOWN ROAD / C.H. 26					CONTRACT NO. 95833						
	DATE - 11/12/2020	REVISED -	REVISED -	SCALE: 5H:2V		SHEET NO. 10 OF 32 SHEETS	STA. 101+00.00 TO STA. 101+00.00		ILLINOIS FED. AID PROJECT 1MBH(807)						

FINAL SURVEY	NO.	SURVEYED PLOTTED NOTE BOOK	BY	DATE

ORIGINAL SURVEY	NO.	SURVEYED PLOTTED NOTE BOOK	BY	DATE



FILE NAME = 180032-shl-xssheets-mk-Culvert.dgn		USER NAME = rmosck		DESIGNED - J.W.F.		REVISED -		STATE OF ILLINOIS CLARK COUNTY HIGHWAY DEPARTMENT				STATION CROSS SECTIONS				F.A.S.		SECTION		COUNTY		TOTAL SHEETS		SHEET NO.	
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM L3 / PE / SE CORP. 184.000059		PLOT SCALE = \$SCALES		DRAWN - T.W.K.		REVISED -										1658		19-00278-00-DR		CLARK		49		28	
		PLOT DATE = 1/13/2021		DATE = 11/12/2020		REVISED -						HOGUE TOWN ROAD / C.H. 26				CONTRACT NO. 95833									
												SCALE: 5H:2V		SHEET NO. 11 OF 32 SHEETS		STA. 101+50.00 TO STA. 101+50.00		ILLINOIS FED. AID PROJECT 1MBH(807)							

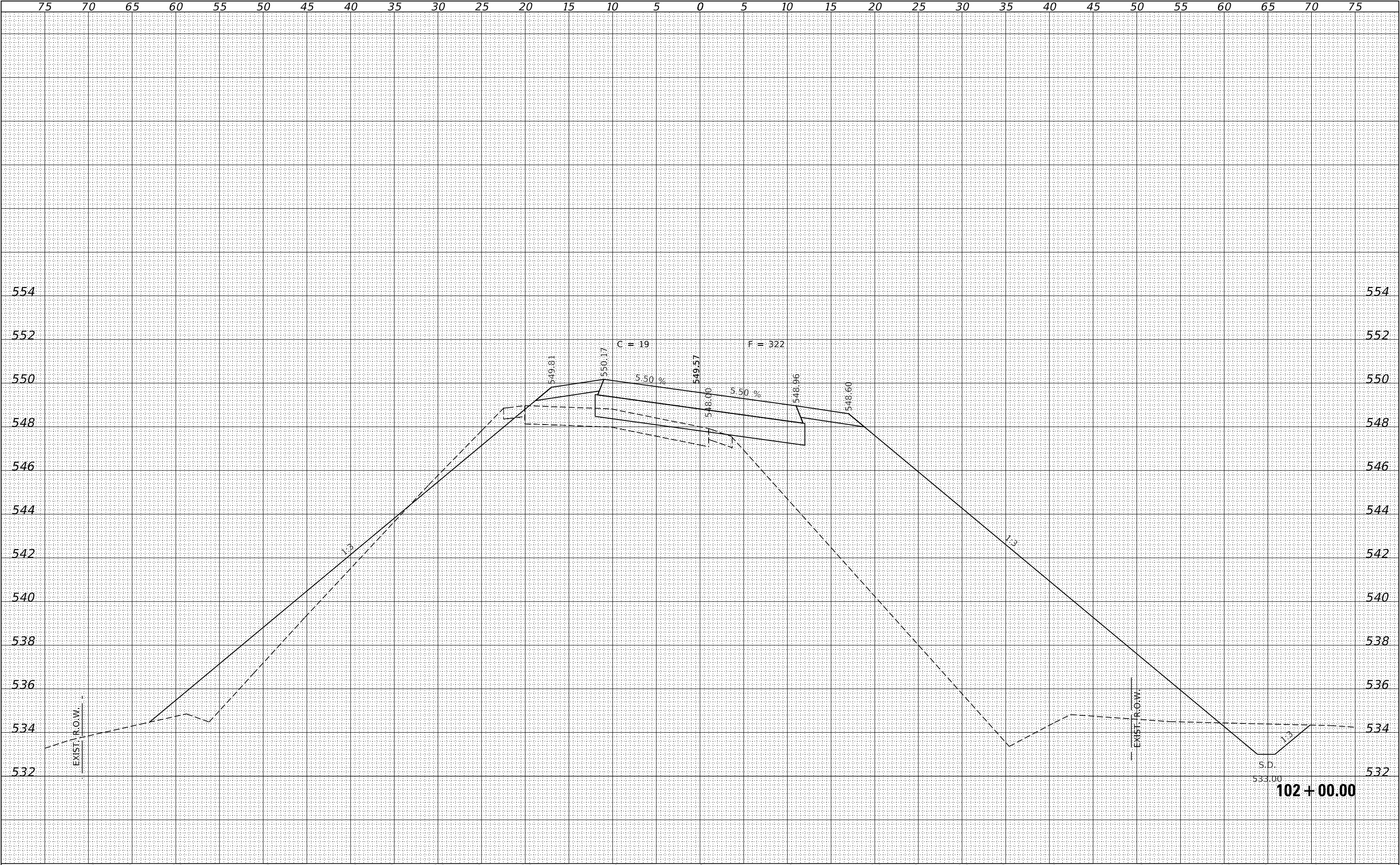
HAMPTON, LENZINI AND RENWICK, INC.
3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000958



ILLINOIS FED. AID PROJECT 1MBH(807)

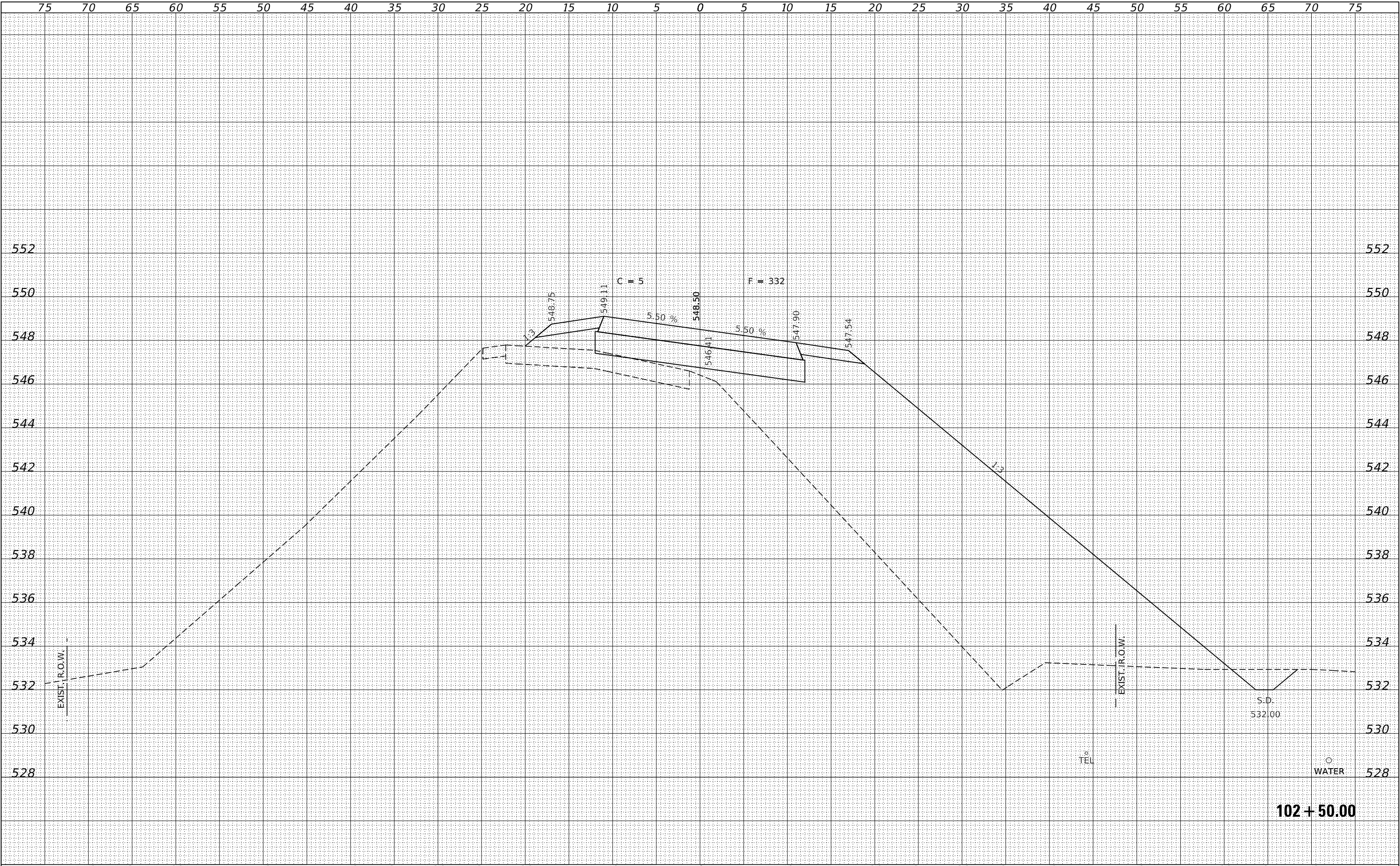
FINAL SURVEY NO.	SURVEYED PLOTTED NOTE BOOK	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED NOTE BOOK	BY	DATE



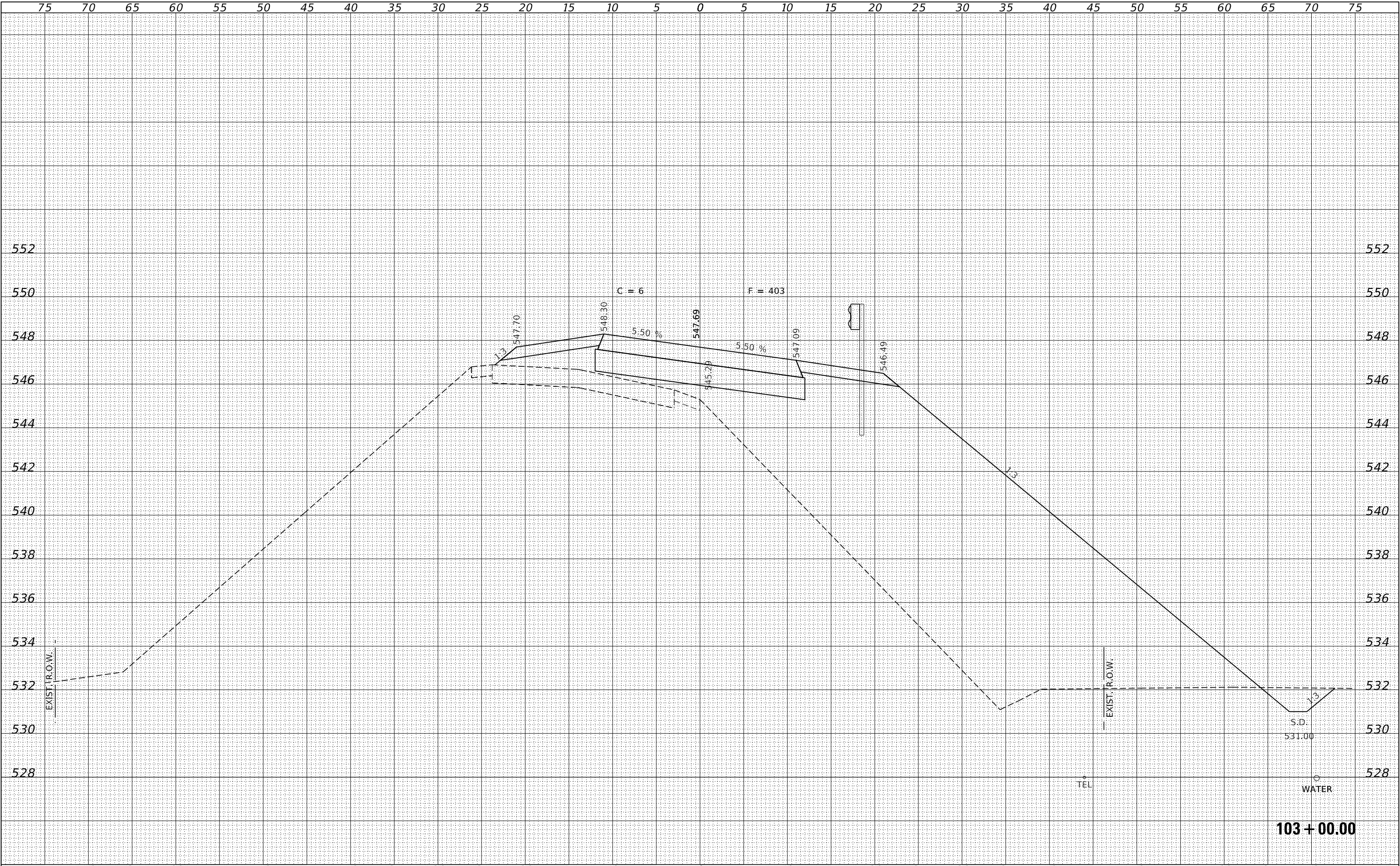
FINAL SURVEY	SURVEYED PLOTTED NOTE BOOK NO.	BY	DATE

ORIGINAL SURVEY	SURVEYED PLOTTED NOTE BOOK NO.	BY	DATE



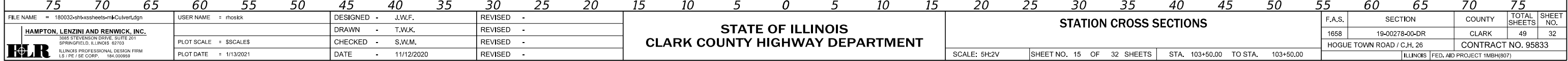
DATE	BY	SURVEYED	FINL
		PLOTTED	SURV
		TEMPLATE	NO
		AREAS	BOOK
		CHECKED	NO.

DATE	BY	SURVEYED	ORIGINAL
		PLOTTED	SURV
		TEMPLATE	NO
		AREAS	BOOK
		CHECKED	NO.



FILE NAME = 180032-shl-xssheets-mk-Culvert.dgn		USER NAME = rmosck	DESIGNED - J.W.F.	REVISED -	STATE OF ILLINOIS CLARK COUNTY HIGHWAY DEPARTMENT	STATION CROSS SECTIONS					F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
 HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM L.S. / P.E. / S.E. CORP. 184.000958	PLOT SCALE = \$SCALES	DRAWN - T.W.K.	REVISED -	1658		19-00278-00-DR	CLARK	49	31						
	PLOT DATE = 1/13/2021	CHECKED - S.W.M.	REVISED -	HOGUE TOWN ROAD / C.H. 26					CONTRACT NO. 95833						
	DATE = 11/12/2020	REVISD -	REVISD -	SCALE: 5H:2V					SHEET NO. 14 OF 32 SHEETS						
						STA. 103+00.00 TO STA. 103+00.00					ILLINOIS FED. AID PROJECT 1MBH(807)				

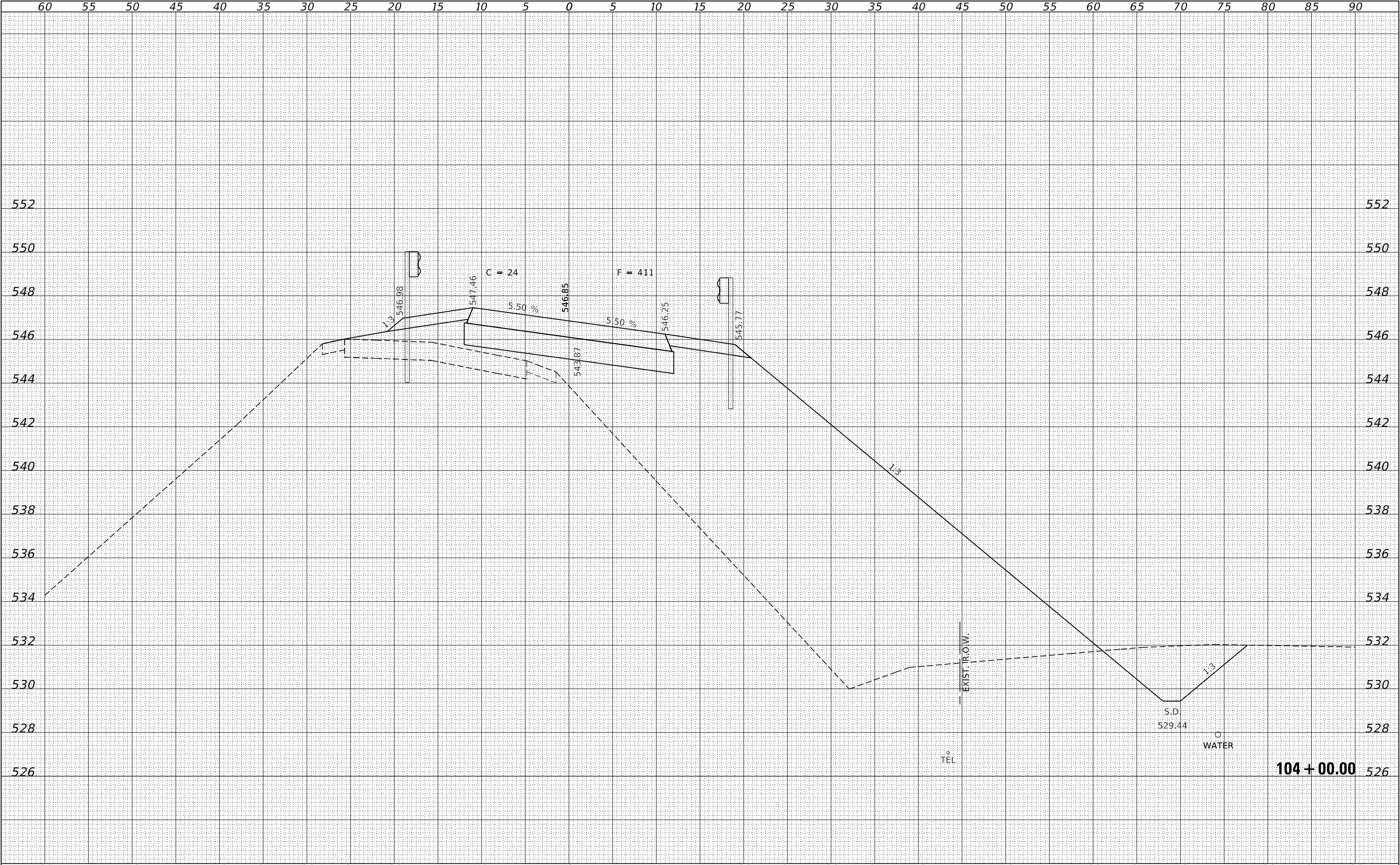
ORIGINAL SURVEY	SURVEYED _____	BY _____	DATE _____
	PLOTTED _____		
	TEMPLATE _____		
	AREAS _____		
	AREAS CHECKED _____		
No. _____			



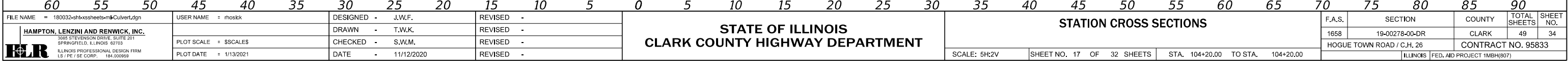
F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1658	19-00278-00-DR	CLARK	49	32
HOGUE TOWN ROAD / C.H. 26		CONTRACT NO. 95833		
ILLINOIS		FED. AID PROJECT 1MBH(807)		

FINAL SURVEY	SURVEYED PLOTTED NOTE BOOK NO.	BY	DATE

ORIGINAL SURVEY	SURVEYED PLOTTED NOTE BOOK NO.	BY	DATE



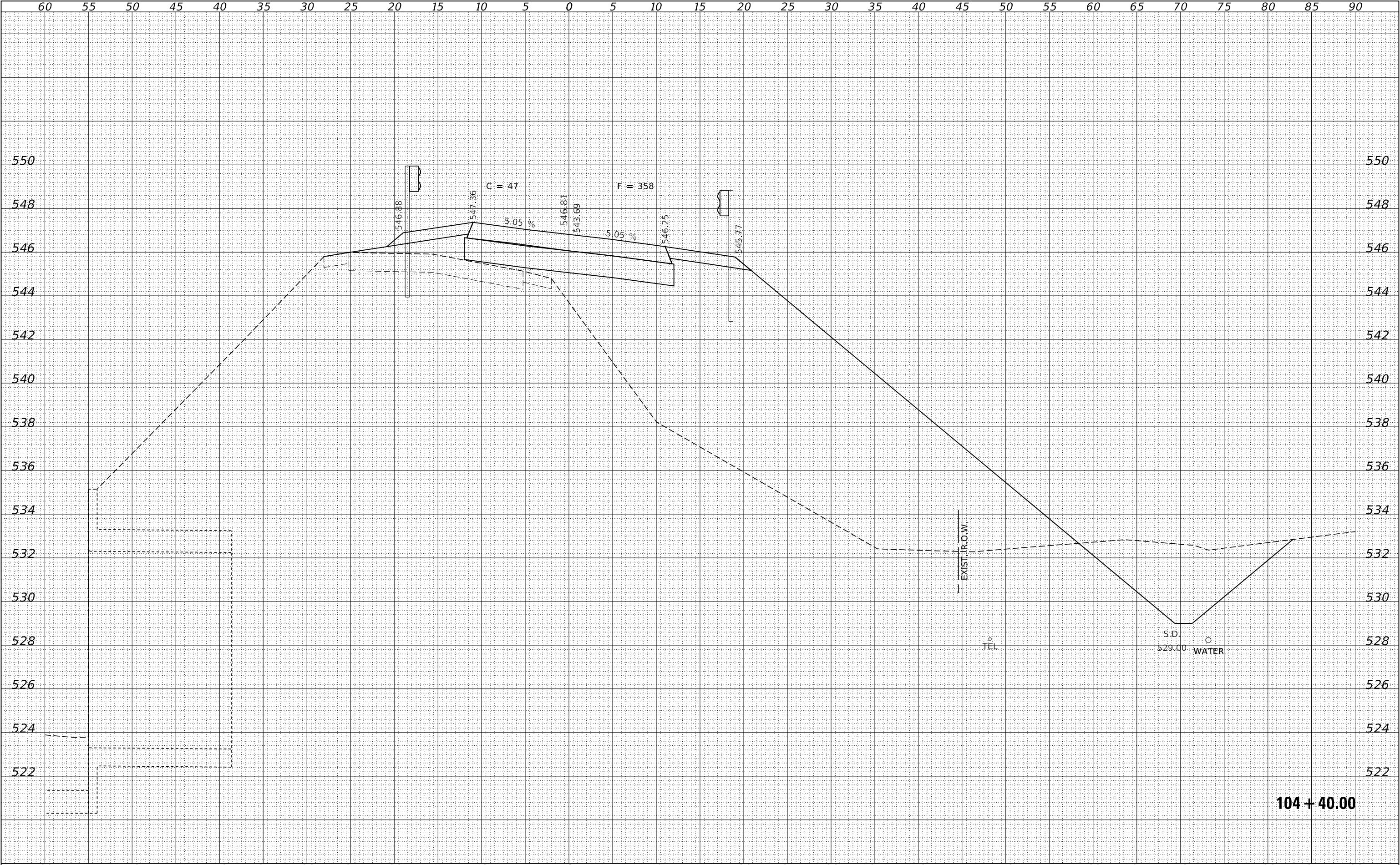
ORIGINAL SURVEY	SURVEYED _____	BY _____	DATE _____
NOTE BOOK	PLOTTED _____		
	TEMPLATE _____		
	AREAS _____ AREAS CHECKED _____		
No. _____			



F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1658	19-00278-00-DR	CLARK	49	34
HOGUE TOWN ROAD / C.H. 26		CONTRACT NO. 95833		
ILLINOIS		FED. AID PROJECT 1MBH(807)		

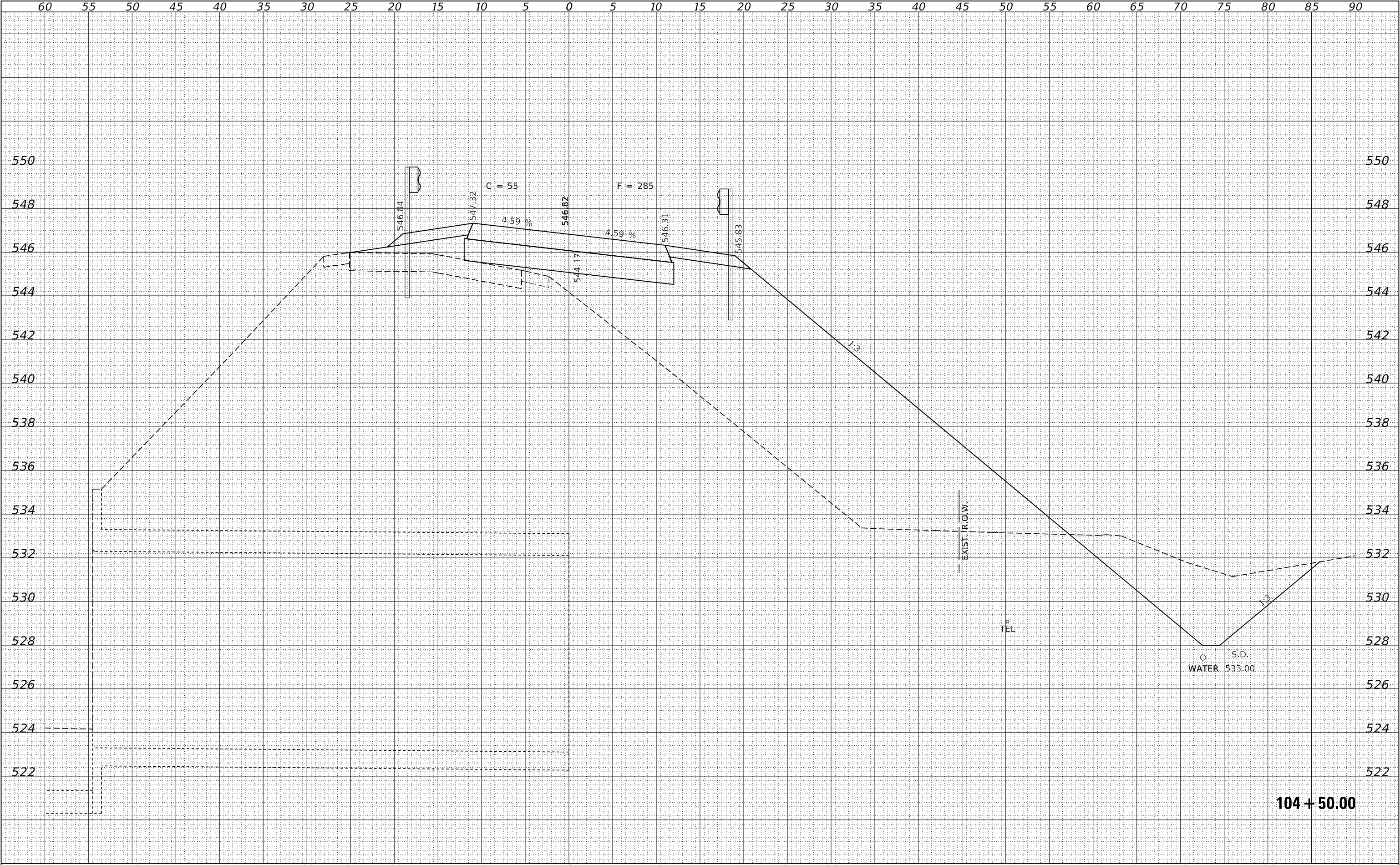
DATE	BY	SURVEYED	FINL
		PLOTTED	SURV
		TEMPLATE	NO
		AREAS	NO
		CHECKED	NO

DATE	BY	SURVEYED	ORIGINAL
		PLOTTED	SURV
		TEMPLATE	NO
		AREAS	NO
		CHECKED	NO



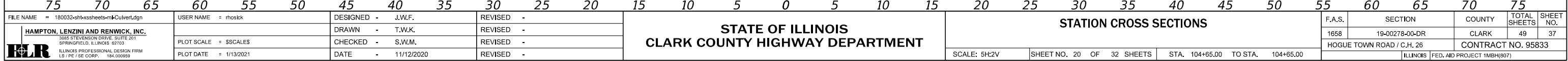
FINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS CHECKED		

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



FILE NAME = 180032-shl-xssheets-mk-Culvert.dgn		USER NAME = rmosck	DESIGNED - J.W.F.	REVISED -	STATE OF ILLINOIS CLARK COUNTY HIGHWAY DEPARTMENT	STATION CROSS SECTIONS					F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.															
 HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000958		PLOT SCALE = \$SCALE\$	DRAWN - T.W.K.	REVISED -		1658	19-00278-00-DR	CLARK	49	36																				
		PLOT DATE = 1/13/2021	DATE - 11/12/2020	REVISED -		SCALE: 5H:2V					SHEET NO. 19 OF 32 SHEETS					STA. 104+50.00 TO STA. 104+50.00					HOGUE TOWN ROAD / C.H. 26					CONTRACT NO. 95833				
																	ILLINOIS					FED. AID PROJECT 1MBH(807)								

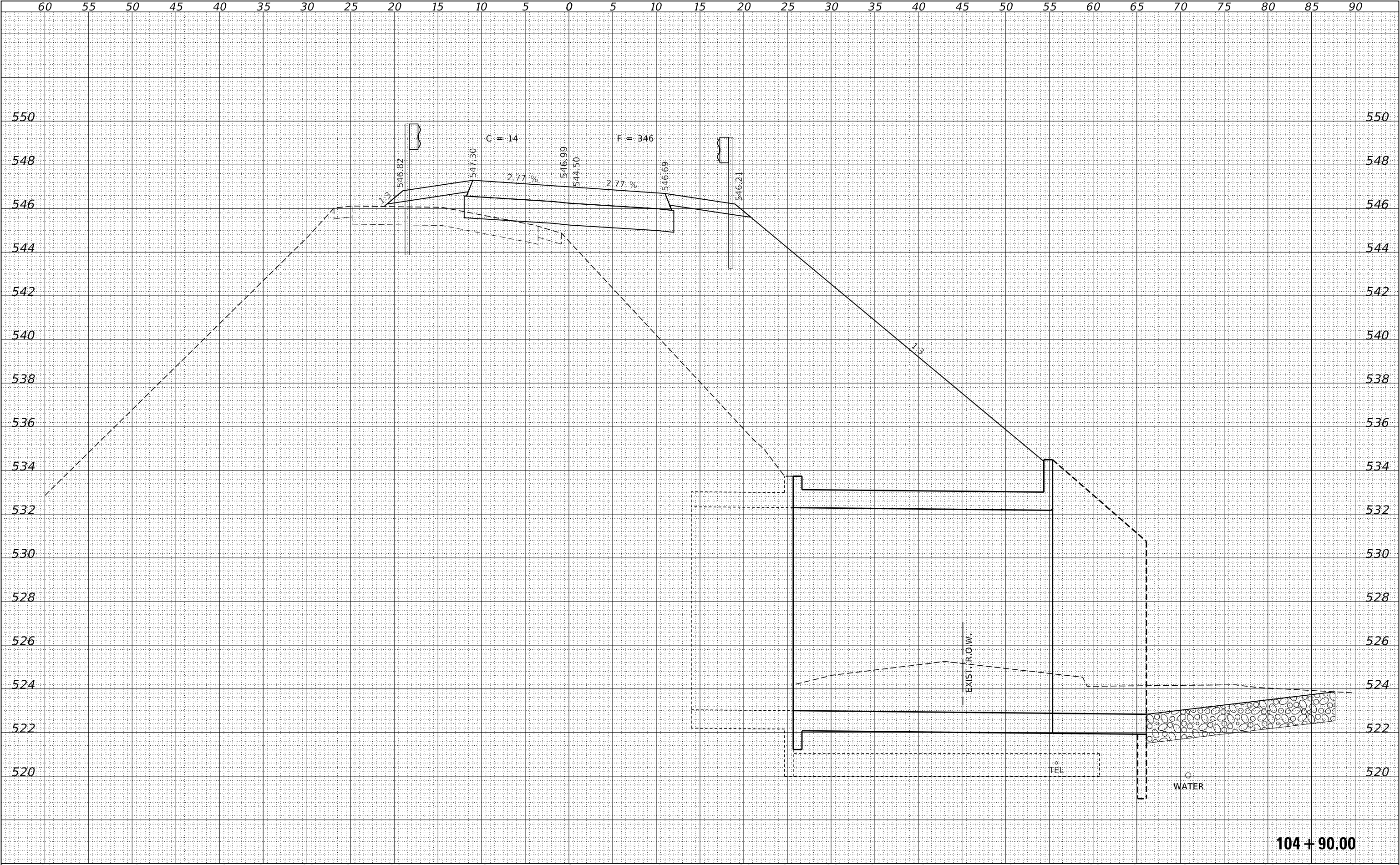
ORIGINAL SURVEY	SURVEYED _____	BY _____	DATE _____
	PLOTTED _____		
	TEMPLATE _____		
	AREAS _____		
	AREAS CHECKED _____		
NO. _____			



F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1658	19-00278-00-DR	CLARK	49	37
HOGUE TOWN ROAD / C.H. 26		CONTRACT NO. 95833		
ILLINOIS		FED. AID PROJECT 1MBH(807)		

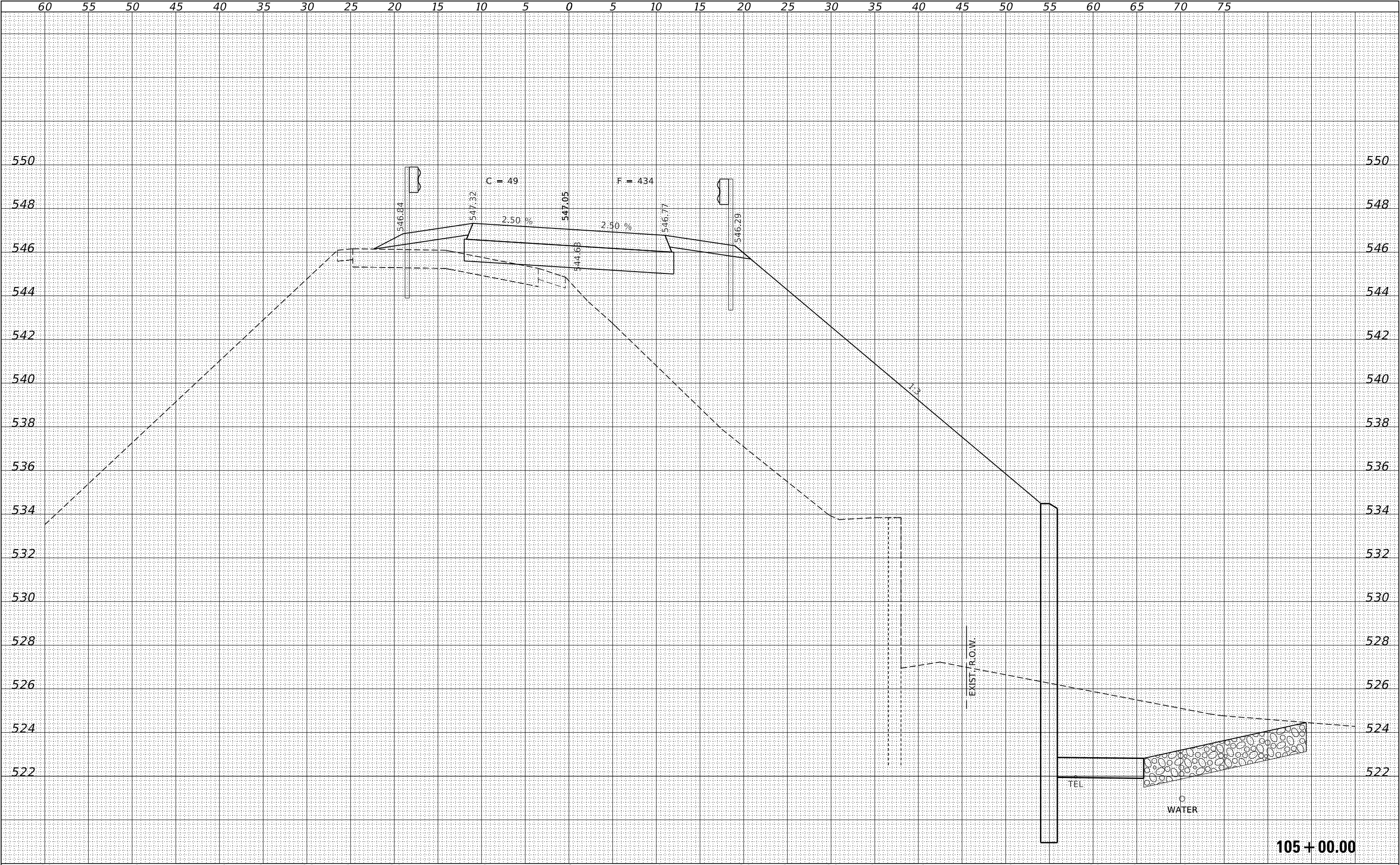
DATE	BY	SURVEYED	PLOTTED	AREAS
		NO.	NO.	CHECKED
		NO.	NO.	CHECKED

DATE	BY	SURVEYED	PLOTTED	AREAS
		NO.	NO.	CHECKED
		NO.	NO.	CHECKED



FINAL SURVEY	NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

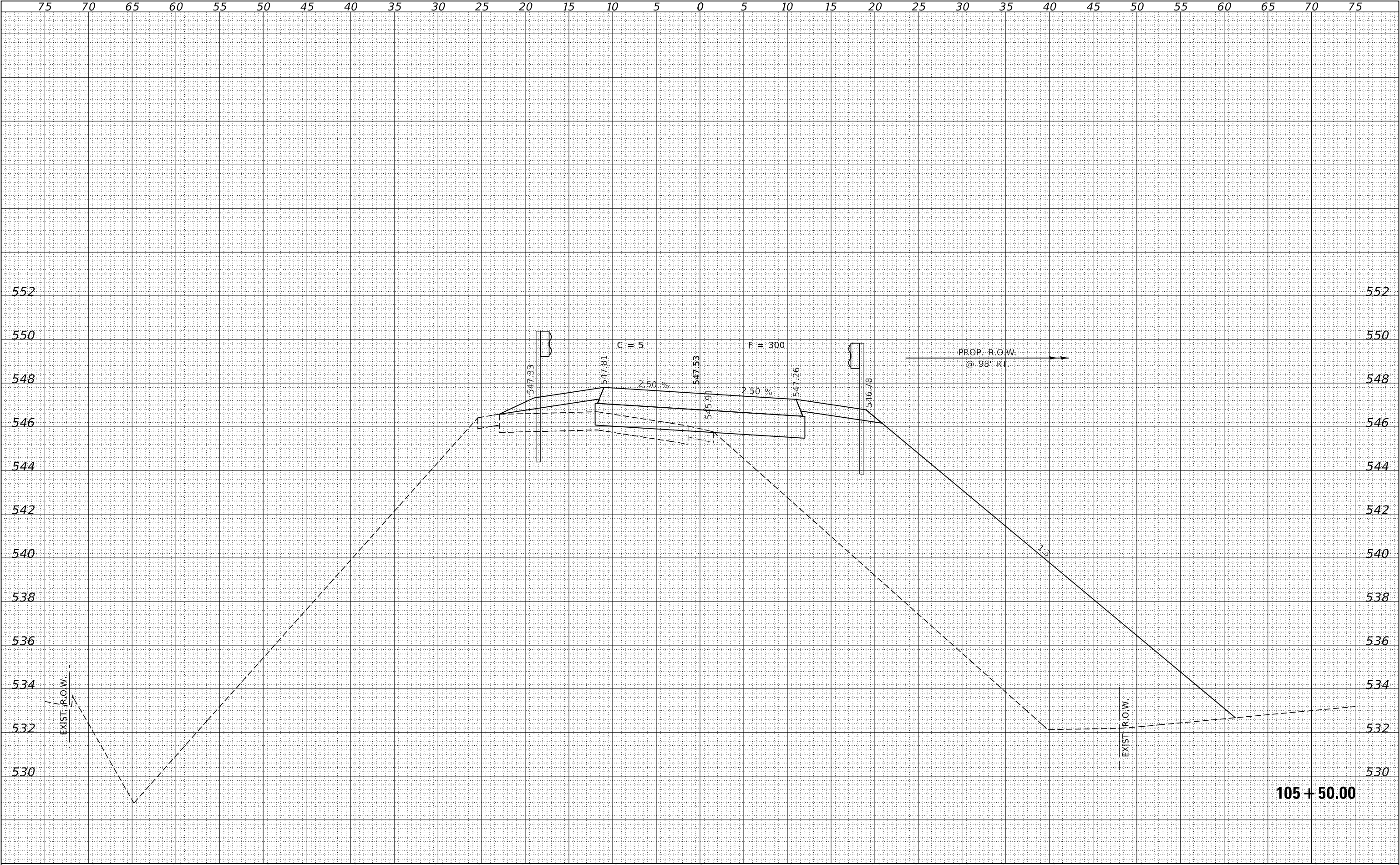
ORIGINAL SURVEY	NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



FILE NAME = 180032-shl-kssheets-mk-Culvert.dgn		USER NAME = rmosck		DESIGNED - J.W.F.		REVISED -		STATE OF ILLINOIS CLARK COUNTY HIGHWAY DEPARTMENT										STATION CROSS SECTIONS										F.A.S.		SECTION		COUNTY		TOTAL SHEETS		SHEET NO.	
 HAMPTON, LENZI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM L.S. / P.E. / S.E. CORP. 184.000059		PLOT SCALE = \$SCALES		DRAWN - T.W.K.		REVISED -												1658		19-00278-00-DR		CLARK		49		39											
		PLOT DATE = 1/13/2021		CHECKED - S.W.M.		REVISED -												HOGUE TOWN ROAD / C.H. 26		CONTRACT NO. 95833																	
		DATE - 11/12/2020		REVISED -		SCALE: 5H:2V												SHEET NO. 22 OF 32 SHEETS		STA. 105+00.00 TO STA. 105+00.00		ILLINOIS FED. AID PROJECT 1MBH(807)															

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

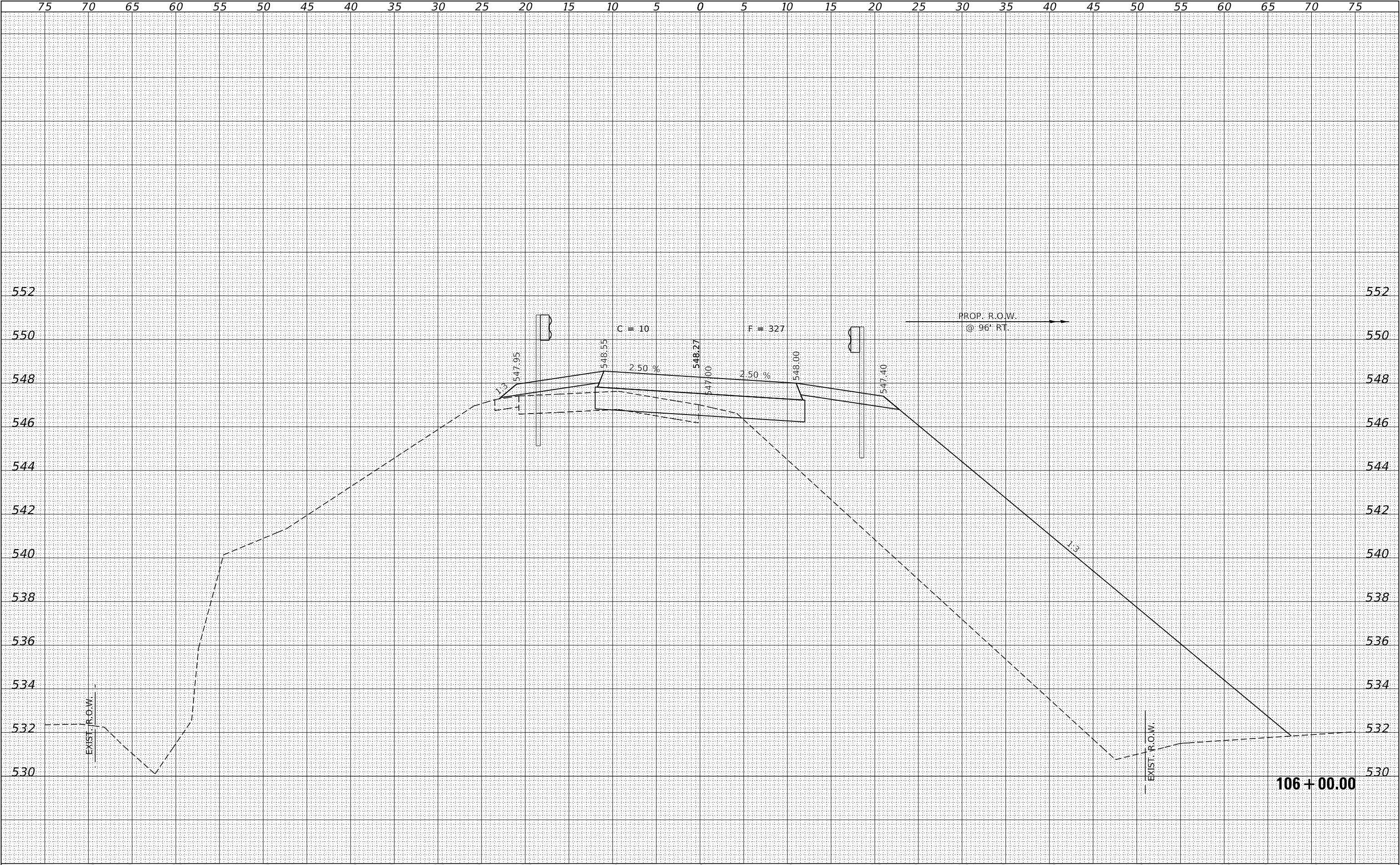
ORIGINAL SURVEY NOTE BOOK NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



FILE NAME = 180032-shl-xssheets-mk-Culvert.dgn		USER NAME = rmosck		DESIGNED - J.W.F.		REVISED -		STATE OF ILLINOIS CLARK COUNTY HIGHWAY DEPARTMENT										STATION CROSS SECTIONS										F.A.S.		SECTION		COUNTY		TOTAL SHEETS		SHEET NO.	
 HAMPTON, LENZI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM L.S. / P.E. / S.E. CORP. 184.000059		PLOT SCALE = \$SCALES		DRAWN - T.W.K.		REVISED -												1658		19-00278-00-DR		CLARK		49		40											
		PLOT DATE = 1/13/2021		DATE = 11/12/2020		REVISED -												HOGUE TOWN ROAD / C.H. 26		CONTRACT NO. 95833		ILLINOIS FED. AID PROJECT 1MBH(807)															
SCALE: 5H:2V				SHEET NO. 23 OF 32 SHEETS				STA. 105+50.00 TO STA. 105+50.00																													

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

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



FILE NAME = 180032-shl-xssheets-m-Culvert.dgn
HAMPSON, LENZINI AND RENWICK, INC.
3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000958

USER NAME = rmosck
DESIGNED - J.W.F.
DRAWN - T.W.K.
CHECKED - S.W.M.
DATE - 11/12/2020
PLOT SCALE = \$SCALE\$
PLOT DATE = 1/13/2021

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
CLARK COUNTY HIGHWAY DEPARTMENT

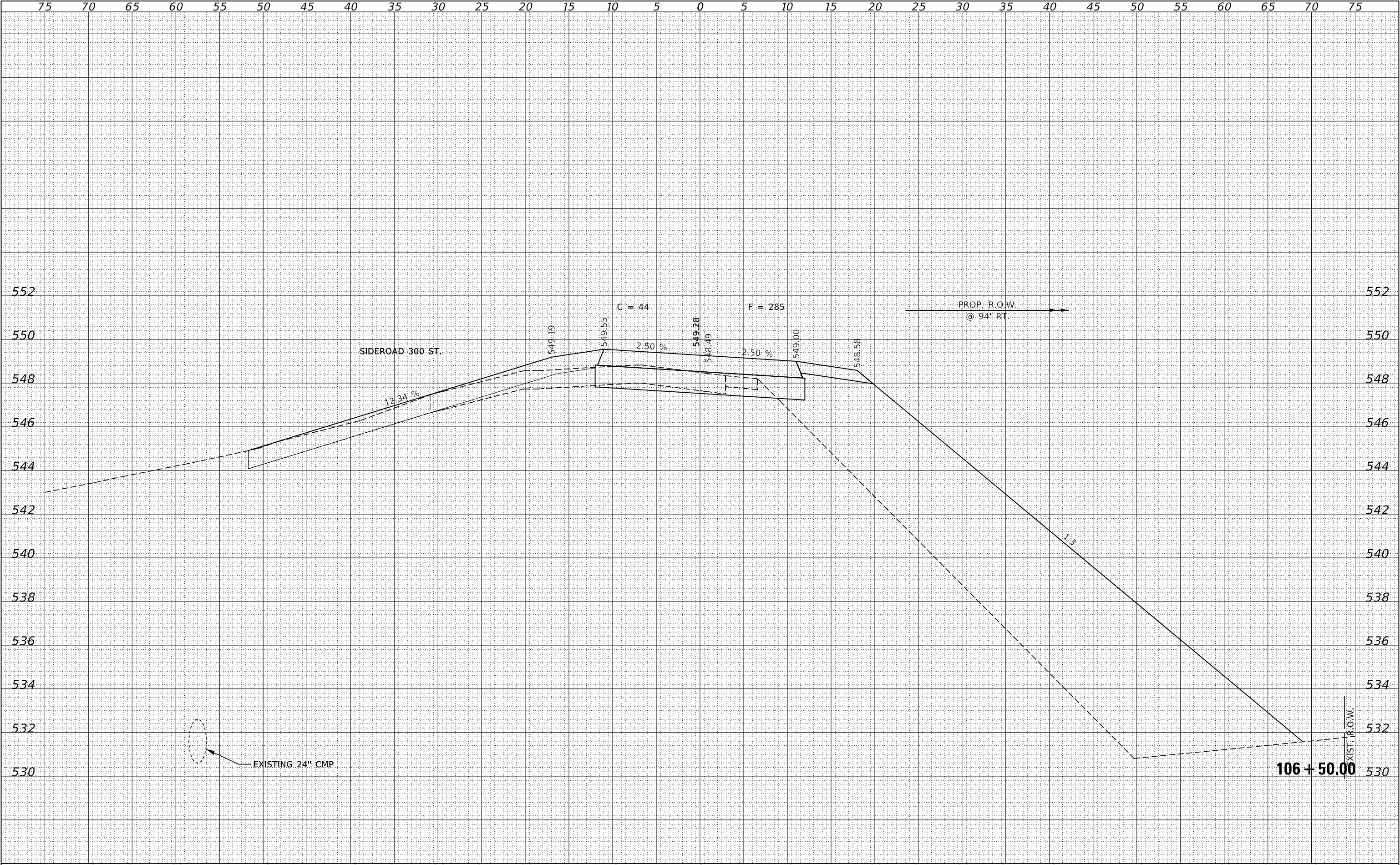
STATION CROSS SECTIONS

SCALE: 5H:2V SHEET NO. 24 OF 32 SHEETS STA. 106+00.00 TO STA. 106+00.00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1658	19-00278-00-DR	CLARK	49	41
HOGUE TOWN ROAD / C.H. 26		CONTRACT NO. 95833		
ILLINOIS		FED. AID PROJECT 1MBH(807)		

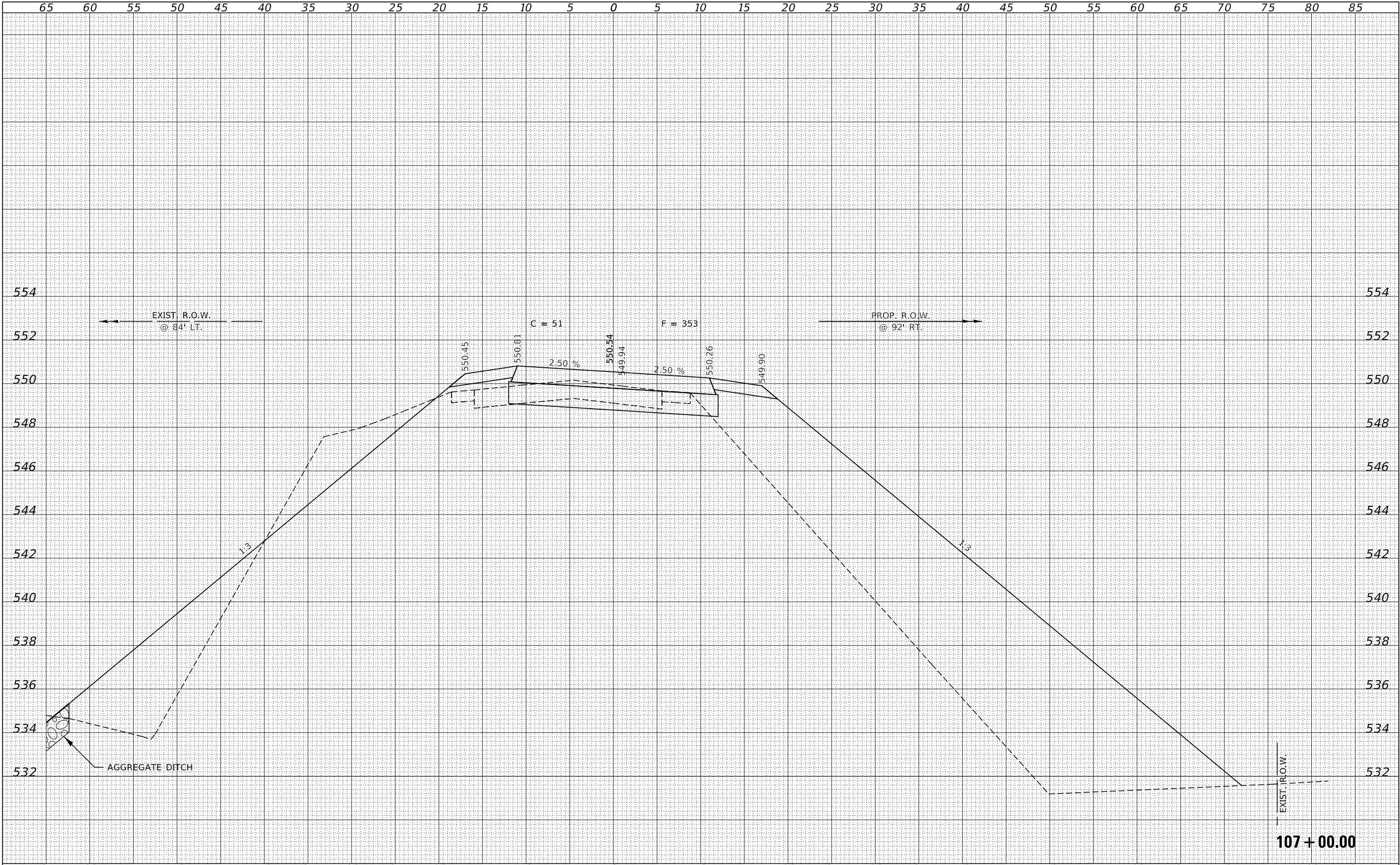
FINAL SURVEY	SURVEYED PLOTTED	BY	DATE
NO.	NOTE BOOK	AREAS CHECKED	AREAS CHECKED

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



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

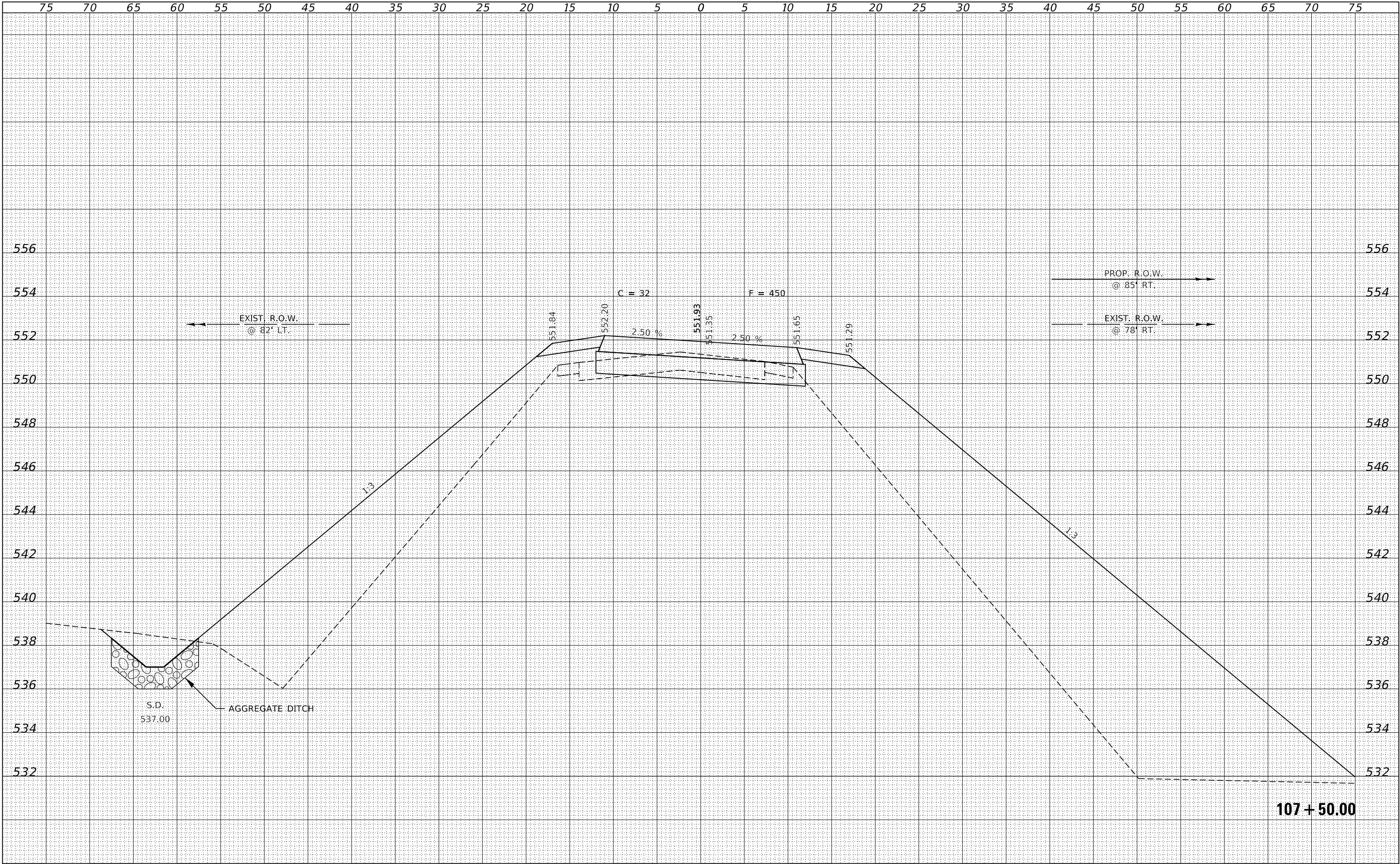
ORIGINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS CHECKED		



FILE NAME = 180032-sh1-xssheets-m-Culvert.dgn	USER NAME = rmosck	DESIGNED - J.W.F.	REVISED -	STATE OF ILLINOIS CLARK COUNTY HIGHWAY DEPARTMENT				STATION CROSS SECTIONS				F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62761 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000958	PLOT SCALE = \$SCALE\$	DRAWN - T.W.K.	REVISED -					SCALE: 5H:2V				1658	19-00278-00-DR	CLARK	49	43
PLOT DATE = 1/13/2021	CHECKED - S.W.M.	REVISIED -	REVISED -					SHEET NO. 26 OF 32 SHEETS				HOGUE TOWN ROAD / C.H. 26				CONTRACT NO. 95833
DATE = 11/12/2020	REVISIED -	REVISED -	REVISED -					STA. 107+00.00 TO STA. 107+00.00				ILLINOIS FED. AID PROJECT 1MBH(807)				

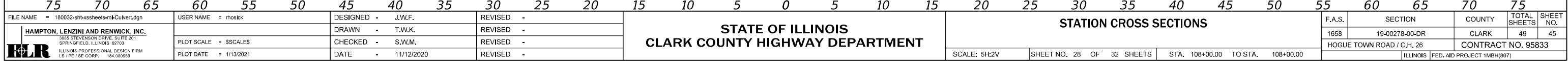
FINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS CHECKED		

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



FILE NAME = 180032-shl-xssheets-m-Culvert.dgn		USER NAME = rmosck	DESIGNED - J.W.F.	REVISED -	STATE OF ILLINOIS CLARK COUNTY HIGHWAY DEPARTMENT	STATION CROSS SECTIONS				F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = \$SCALE\$		DRAWN - T.W.K.	REVISED -		1658	19-00278-00-DR	CLARK	49	44				
	PLOT DATE = 1/13/2021		CHECKED - S.W.M.	REVISED -		HOGUE TOWN ROAD / C.H. 26				CONTRACT NO. 95833				
			DATE - 11/12/2020	REVISED -		SCALE: 5H:2V		SHEET NO. 27 OF 32 SHEETS		STA. 107+50.00 TO STA. 107+50.00		ILLINOIS FED. AID PROJECT 1MBH(807)		

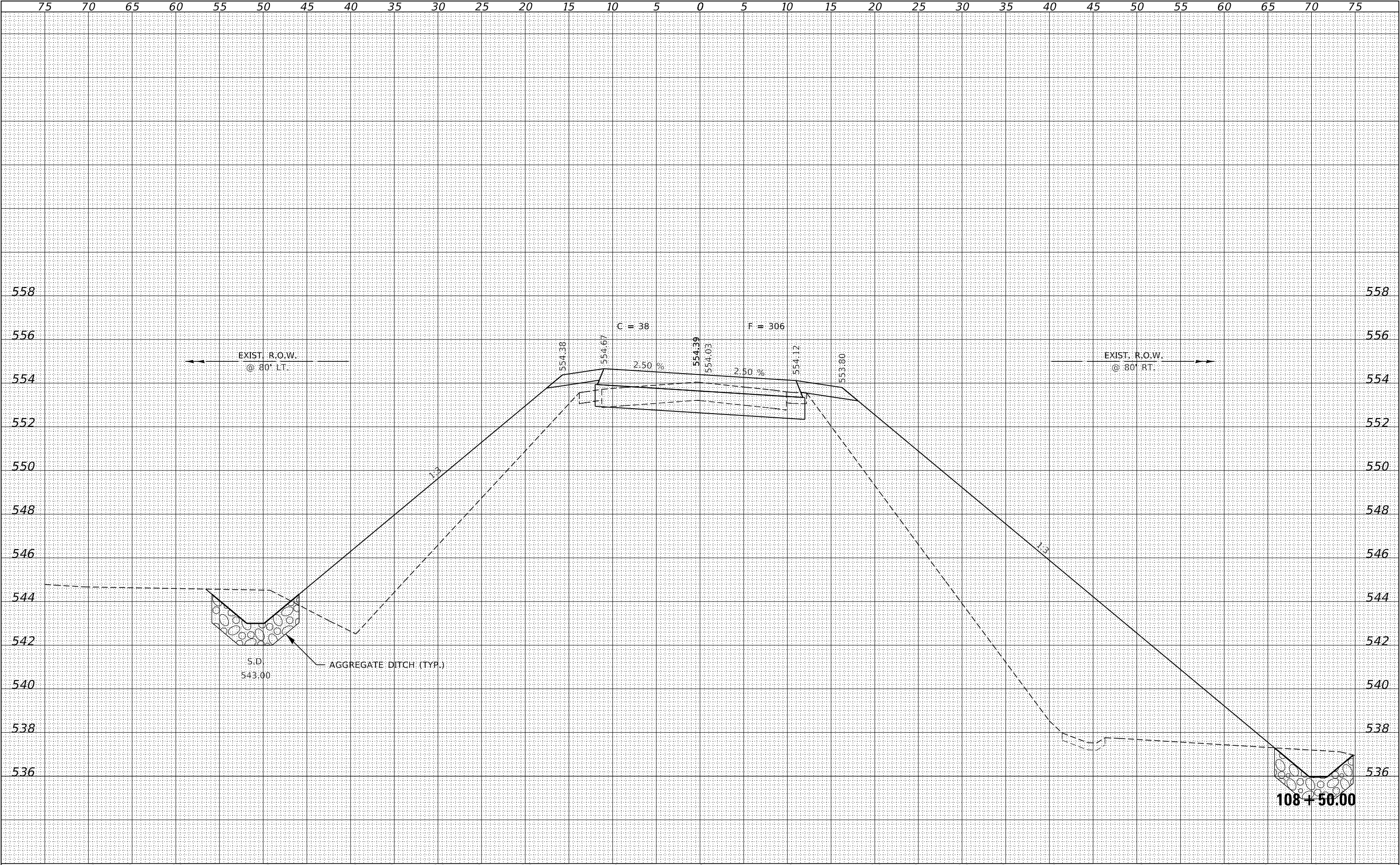
ORIGINAL SURVEY				BY _____	DATE _____
NOTE BOOK	SURVEYED _____				
	PLOTTED _____				
	TEMPLATE _____				
	AREAS _____				
NO. _____	AREAS CHECKED _____				



F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1658	19-00278-00-DR	CLARK	49	45
HOGUE TOWN ROAD / C.H. 26		CONTRACT NO. 95833		
ILLINOIS		FED. AID PROJECT 1MBH(807)		

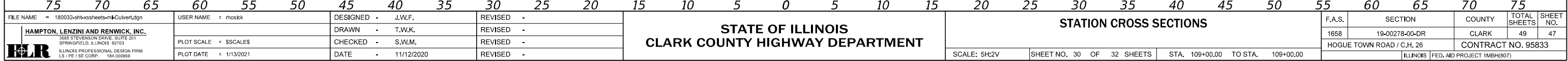
FINAL SURVEY	SURVEYED PLOTTED NOTE BOOK	BY	DATE

ORIGINAL SURVEY	SURVEYED PLOTTED NOTE BOOK	BY	DATE



FILE NAME = 180032-shl-xssheets-mk-Culvert.dgn		USER NAME = rmosck		DESIGNED - J.W.F.		REVISED -		STATE OF ILLINOIS CLARK COUNTY HIGHWAY DEPARTMENT										STATION CROSS SECTIONS										F.A.S.		SECTION		COUNTY		TOTAL SHEETS		SHEET NO.	
 HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM L.S. / P.E. / S.E. CORP. 184.000059		PLOT SCALE = \$SCALES		DRAWN - T.W.K.		REVISED -												1658		19-00278-00-DR		CLARK		49		46											
		PLOT DATE = 1/13/2021		DATE = 11/12/2020		REVISED -												HOGUE TOWN ROAD / C.H. 26		CONTRACT NO. 95833		ILLINOIS FED. AID PROJECT 1MBH(807)															
SCALE: 5H:2V				SHEET NO. 29 OF 32 SHEETS				STA. 108+50.00 TO STA. 108+50.00																													

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



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

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

