

01-15-2021 LETTING ITEM 153

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED BRIDGE REPLACEMENT STP - BRIDGE

CH 14 /FAS 462 (TOBOGGAN AVE.) OVER DRY CREEK DILLION TOWNSHIP SECTION 16-00099-00-BR PROJECT VCKL(308) TAZEWELL COUNTY

C-94-033-17

Table with columns: F.A.S. No., SECTION, COUNTY, TOTAL SHEETS, SHEET NO. Values: 462, 16-00099-00-BR, TAZEWELL, 32, 1. Includes CONTRACT NO. 89720 and ILLINOIS FED. AID PROJECT.

INDEX OF SHEETS

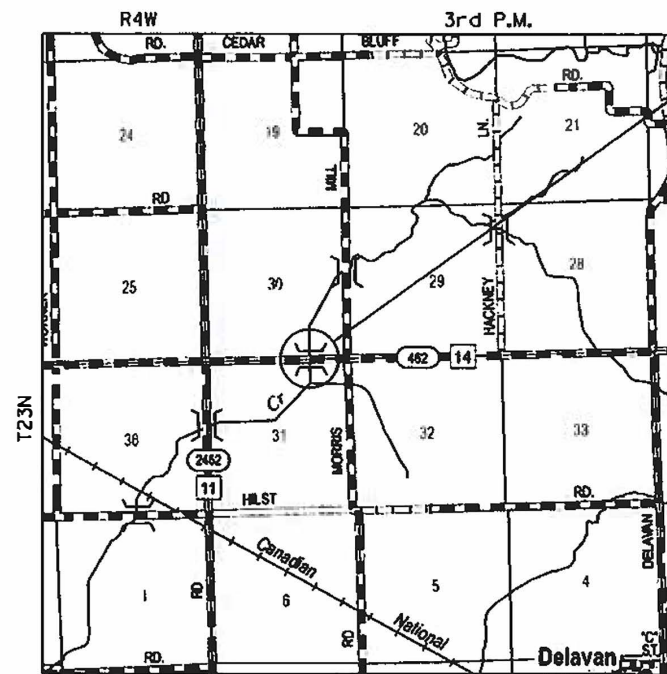
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- 000001-08 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02 AREAS OF REINFORCEMENT BARS
001006-00 DECIMAL OF AN INCH AND OF A FOOT
280001-07 TEMPORARY EROSION CONTROL SYSTEMS
515001-04 NAME PLATE FOR BRIDGES
542401-04 METAL FLARED END SECTION FOR PIPE CULVERTS
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:

AMEREN IP - (NORTH)
300 LIBERTY
PEORIA, IL 61602
PHONE: (888) 659-4540
CONTACT: CONSTRUCTION DEPARTMENT



LOCATION MAP SCALE

LOCATION MAP

TOTAL LENGTH = 980 FEET (0.185 MI)
NET LENGTH = 980 FEET (0.185 MI)

PROPOSED SECTION 16-00099-00-BR BEGINS STA. 96+70.00 ENDS STA. 106+50.00 EXIST. SN 090-3170 PROP. SN 090-3251



Signature of Cory W. Chamberlain, dated 10-28-2020, with expiration date 11/30/2021.

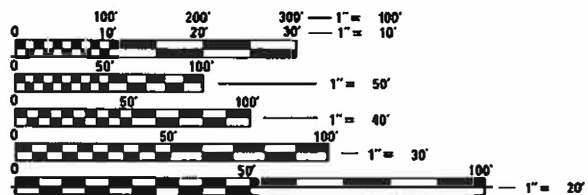


LOCATION OF SECTION INDICATED THUS: - [shaded box]

FUNCTIONAL CLASSIFICATION - MAJOR COLLECTOR

ADT = 950(2018)

DESIGN SPEED = 50 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: CORY W. CHAMBERLAIN, P.E., S.E. CONTRACT NO. 89720 CATALOG NO. 035444-00



THE WORK CONSISTS OF REMOVING THE EXISTING BRIDGE (S.N. 090-3170) AND CONSTRUCTING A NEW STRUCTURE (S.N. 090-3251) AT STA. 100+00.00 WITH A SINGLE CELL CAST-IN-PLACE CONCRETE BOX CULVERT, 0° SKEW, VARIABLE WIDTH TRANSITION APPROACHES AND OTHER COLLATERAL WORK.

Approval and review stamps: APPROVED October 30, 2020 by Craig Fieb; PASSED 11-05-2020 by [Signature]; Released For Bid Based on Limited Review November 5, 2020 by [Signature]. Includes titles: COUNTY ENGINEER, DISTRICT FOUR ENGINEER OF LOCAL ROADS AND STREETS, REGION THREE ENGINEER, and STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION.

GENERAL NOTES

1. EXCEPT AS NOTED ON THE PLANS, PAVEMENT GRADES SHOWN ARE AT THE TOP OF PAVEMENT SURFACES.
2. ALL ELEVATIONS ARE BASED ON NAVD 88-DATUM.
3. 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.
4. THE FOLLOWING APPLICATION RATES HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:
 TEMPORARY EROSION CONTROL SEEDING: 100 LB/ACRE
 AGGREGATE BASE COURSE: 2.05 TONS/CU YD
 BITUMINOUS MATERIALS (PRIME COAT): 0.25 LB/SQ FT
 BITUMINOUS MATERIALS (TACK COAT): 0.08 LB/SQ FT
 RIPRAP: 1.50 TONS/CU YD
 HOT-MIX ASPHALT: 112 LBS/SQ YD/IN
5. 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.
6. 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.
7. 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.
8. CONTRACTOR SHALL FOLLOW CONSTRUCTION REQUIREMENTS OF SECTION 611 WHEN EXISTING FIELD TILE IS ENCOUNTERED. ALL FIELD TILES ENCOUNTERED SHALL BE CAREFULLY PRESERVED, REPAIRED AND CONNECTED TO THE PROPOSED DRAINAGE STRUCTURES, SEWERS OR DITCHES AS DIRECTED BY THE ENGINEER. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN THE VARIOUS DRAINAGE ITEMS OR AS DIRECTED BY THE ENGINEER.
9. 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.
10. EMBANKMENTS ON HILLSIDES OR SLOPES SHALL BE CONSTRUCTED ACCORDING TO ARTICLE 205.03.
11. CONTRACTOR SHALL INSTALL ALL EROSION CONTROL MEASURES PRIOR TO STARTING ANY OTHER CONSTRUCTION WORK AT SITE.

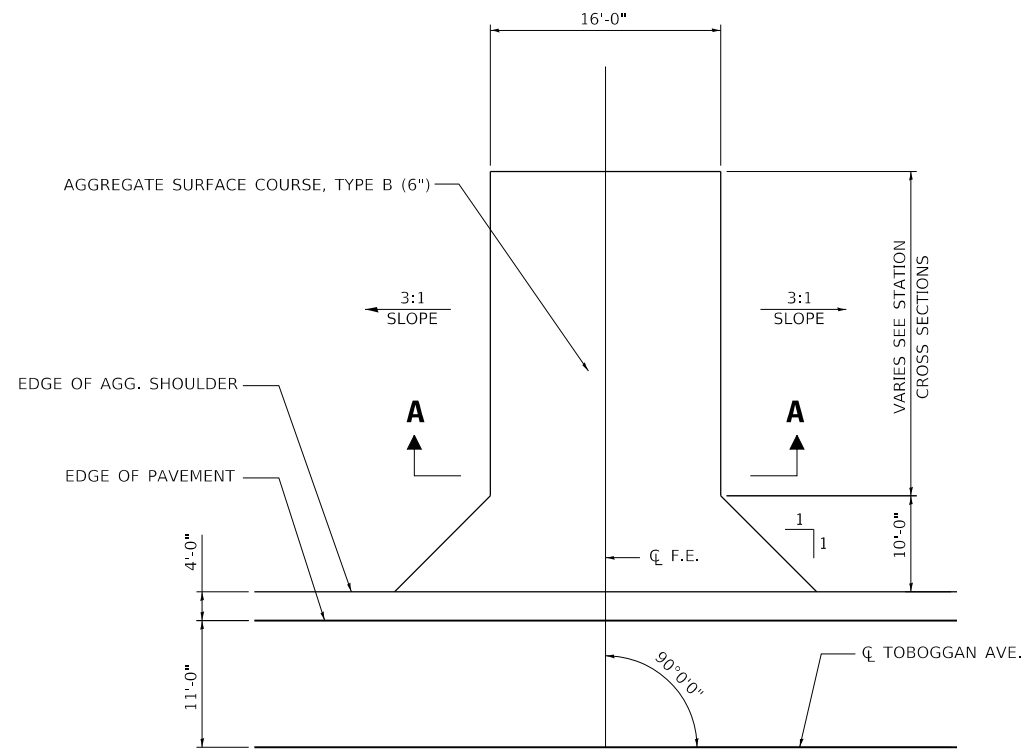
GENERAL NOTES

12. 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.
13. 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 CONTRACTOR'S EXPENSE.
14. THE CONTRACTOR SHALL VERIFY THE LENGTH OF REQUIRED PIPE CULVERTS PRIOR TO ORDERING.
15. ALL BORROW/WASTE/USE SITES MUST BE APPROVED BY THE DEPARTMENT PRIOR TO REMOVING ANY MATERIAL FROM THE PROJECT OR INITIATING ANY EARTHMOVING ACTIVITIES, INCLUDING TEMPORARY STOCKPILING OUTSIDE THE LIMITS OF CONSTRUCTION.

MIX DESIGN INFORMATION		
LOCATION	FAS 462	FAS 462
MIXTURE USE(S)	HMA BINDER (4 1/2" MIN.)	HMA SURFACE (1 1/2")
AC/PG	PG 64-22	PG 58-28
DESIGN AIR VOIDS	4.0% @ N=50	4.0% @ N=50
MIXTURE COMPOSITION (GRADATION MIXTURE)	IL 19.0	IL 9.5
FRICTION AGGREGATE	N/A	MIX C
MIXTURE WEIGHT	112 LB / SY / IN	112 LB / SY / IN
QUALITY MANAGEMENT PROGRAM	QC/QA	QC/QA
SUBLOT SIZE	N/A	N/A
NUMBER OF ROLLER PASSES	N/A	N/A

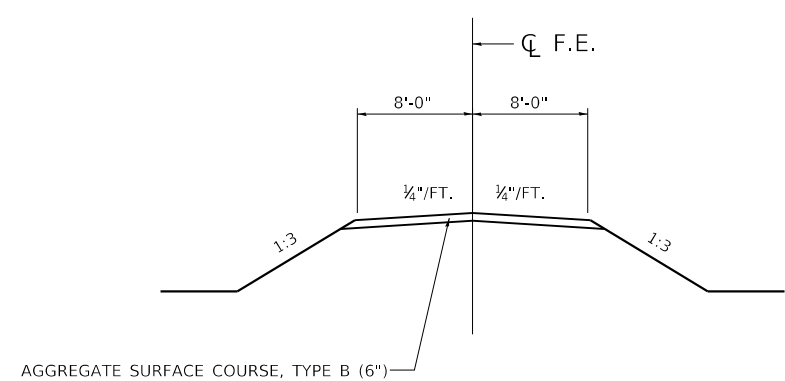
COMMITMENTS

1. THE COUNTY IS TO PERFORM REGULAR MAINTENANCE TO REMOVE ANY SILT THAT ACCUMULATES 1 FOOT ABOVE THE SUMPED INVERT (PER THE ORIGINAL CONSTRUCTION PLANS).

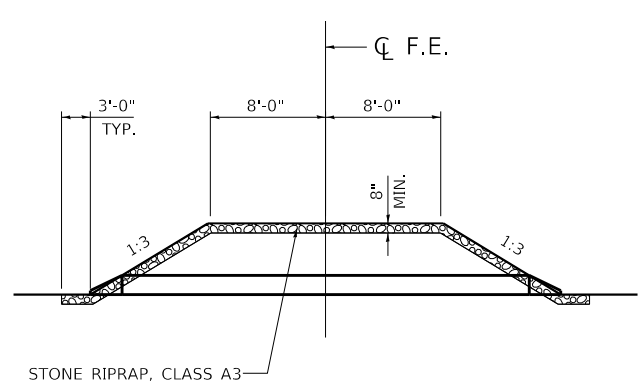


FIELD ENTRANCE

F.E. RT. STA. 99+50.00
 F.E. LT. STA. 100+50.00
 F.E. RT. STA. 100+50.00

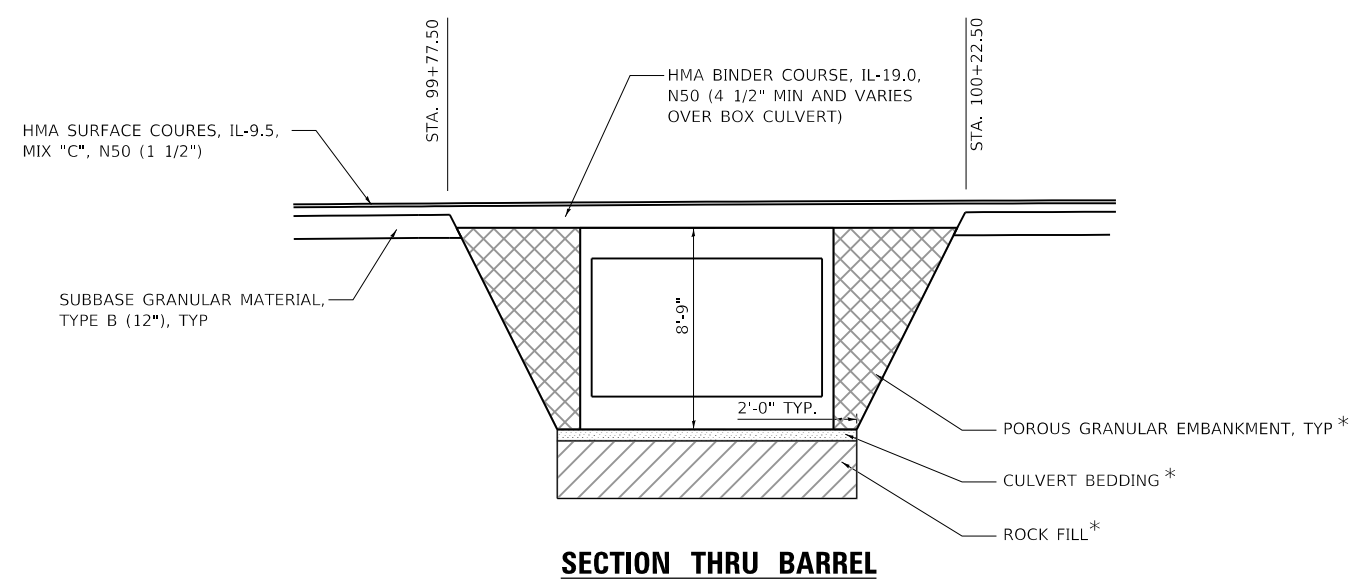


SECTION A-A

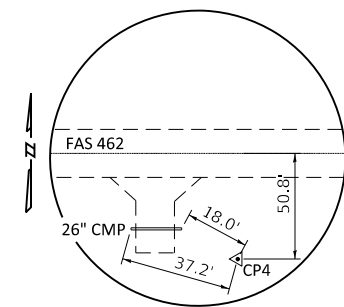


OVERFLOW DETAIL

STA. 100+50.00, 53.0' RT

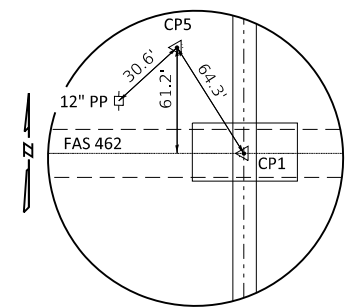


* SEE STRUCTURE PLANS



CONTROL POINT CP4

5/8" BAR WITH RED CAP
 STA. 100+66.40, 50.52' RT
 N 1,362,942.13
 E 2,456,710.16

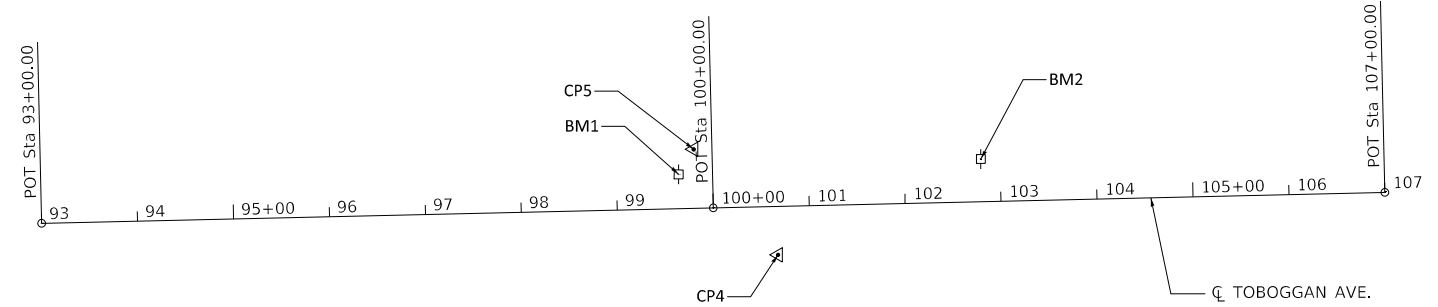


CONTROL POINT CP5

5/8" BAR WITH RED CAP
 STA. 99+81.04, 61.44' LT
 N 1,363,052.09
 E 2,456,622.25

Beginning chain BASELINE description

Point 50	N	1,362,975.02	E	2,455,942.80	Sta	93+00.00
Course from 50 to CP1 N 88° 40' 58.8" E Dist 700.00						
Point CP1	N	1,362,991.11	E	2,456,642.62	Sta	100+00.00
Course from CP1 to 51 N 88° 40' 58.8" E Dist 700.00						
Point 51	N	1,363,007.19	E	2,457,342.43	Sta	107+00.00



BM1 STA 99+64.72, 35.75 LT
 RR SPIKE SET IN EAST FACE OF 12" WOODEN POWER POLE 50' N.W. OF CENTER/CENTER OF PROJECT BRIDGE, 35.5" NORTH OF CL OF TOBOGGAN AVENUE
 ELEVATION = 542.77

BM2 STA 102+79.91, 44.42' LT
 RR SPIKE SET IN WEST FACE OF 12" WOODEN POWER POLE 283' N.E. OF CENTER/CENTER OF PROJECT BRIDGE, 44.1" NORTH OF CL OF TOBOGGAN AVENUE
 ELEVATION = 543.65

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PLOT DATE = 11/3/2020	DRAWN - GSI	REVISED
	CHECKED - RKA	REVISED

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT, TIES, BENCHMARKS & DETAILS
 TOBOGGAN AVE. OVER DRY CREEK**

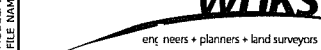
SCALE: 1"=100' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
462	16-00099-00-BR	TAZEWELL	32	3
CONTRACT NO. 89720				
ILLINOIS		FED. AID PROJECT		

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				ROADWAY
				0010 S.N. 090-3251
20200100	EARTH EXCAVATION	CU YD	1508	1508
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	150	150
20700220	POROUS GRANULAR EMBANKMENT	CU YD	311	311
21400100	GRADING AND SHAPING DITCHES	FOOT	650	650
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	363	363
28000305	TEMPORARY DITCH CHECKS	FOOT	182	182
28000400	PERIMETER EROSION BARRIER	FOOT	2000	2000
28000500	INLET AND PIPE PROTECTION	EACH	2	2
28100205	STONE RIPRAP, CLASS A3	TON	97	97
28100209	STONE RIPRAP, CLASS A5	TON	107	107
28200200	FILTER FABRIC	SQ YD	67	67
31101000	SUBBASE GRANULAR MATERIAL, TYPE B	TON	1672	1672
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	147	147
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	5390	5390

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design firm
no. 164001036



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PLOT DATE = 11/3/2020	CHECKED - RKA	REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
TOBOGGAN AVE. OVER DRY CREEK**

SCALE: 1"=50' SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
462	16-00099-00-BR	TAZEWELL	32	4
ILLINOIS FED. AID PROJECT			CONTRACT NO. 89720	

CONSTR. CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY
				0001 S.N. 090-3251
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	3608	3608
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	672	672
40604050	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	TON	207	207
44000100	PAVEMENT REMOVAL	SQ YD	2327	2327
48101200	AGGREGATE SHOULDERS, TYPE B	TON	298	298
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1	1
50105220	PIPE CULVERT REMOVAL	FOOT	44	44
50200100	STRUCTURE EXCAVATION	CU YD	343	343
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	33670	33670
51500100	NAME PLATES	EACH	1	1
54003000	CONCRETE BOX CULVERTS	CU YD	158.6	158.6
542D0235	PIPE CULVERTS, CLASS D, TYPE 1 30"	FOOT	36	36
542D0241	PIPE CULVERTS, CLASS D, TYPE 1 36"	FOOT	34	34
54262730	METAL FLARED END SECTIONS 30"	EACH	2	2

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PLOT DATE = 11/24/2020	CHECKED - RKA	REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES TOBOGGAN AVE. OVER DRY CREEK			
SCALE: 1"=50'	SHEET 2	OF 3 SHEETS	STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
462	16-00099-00-8R	TAZEWELL	32	5
				CONTRACT NO. 89720
ILLINOIS FED. AID PROJECT				

				CONSTR. CODE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0001 S.N. 090-3251
54262736	METAL FLARED END SECTIONS 36"	EACH	2	2
67100100	MOBILIZATION	L SUM	1	1
X2501000	SEEDING, CLASS 2 (SPECIAL)	ACRE	1.3	1.3
X7011800	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	L SUM	1	1
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1
Z0054500	ROCK FILL	TON	300	300

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design firm
no. 184001036



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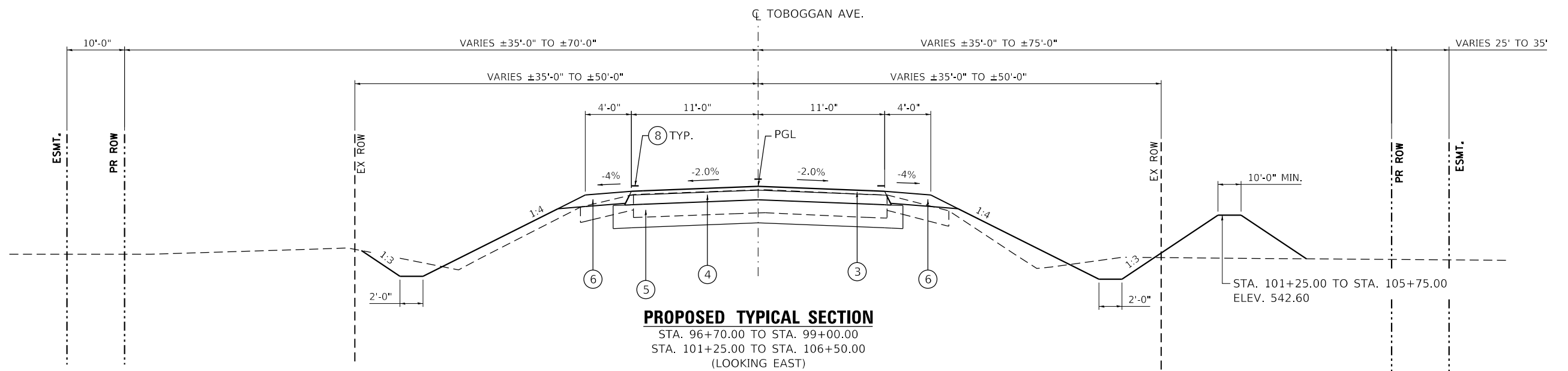
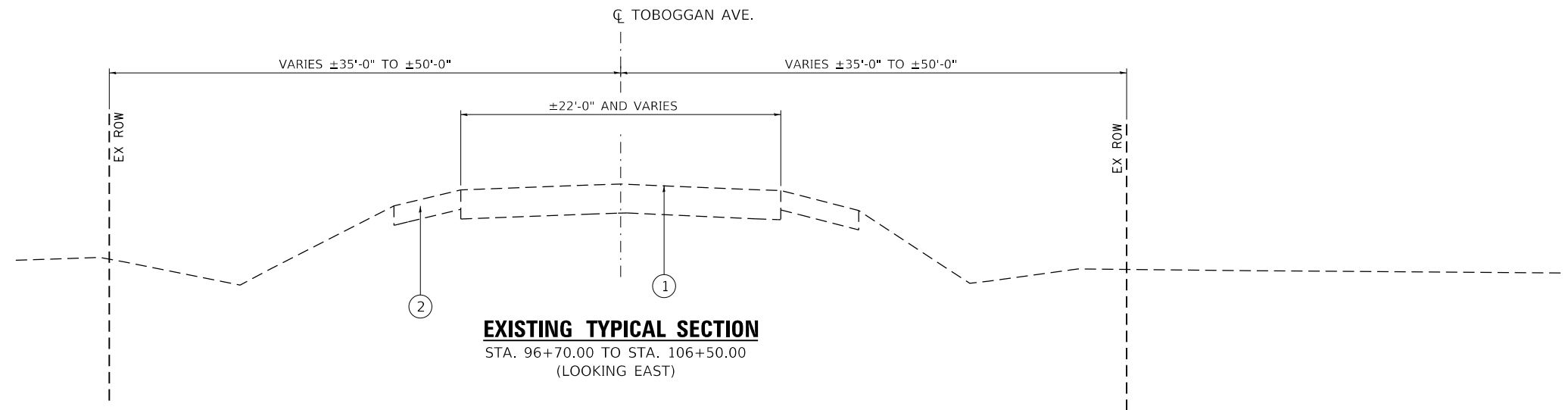
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
TOBOGGAN AVE. OVER DRY CREEK
SCALE: 1"=50' SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
462	16-00099-00-BR	TAZEWELL	32	6
				CONTRACT NO. 89720
ILLINOIS FED. AID PROJECT				

LEGEND

- ① EX HMA PAVT
- ② EX AGGREGATE SHOULDERS
- ③ HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50 (1½")
- ④ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (4½" MIN.)
- ⑤ SUBBASE GRANULAR MATERIAL, TYPE B (12")
- ⑥ AGGREGATE SHOULDERS, TYPE B (6")
- ⑦ EARTH SHOULDERS
- ⑧ PR PAVEMENT MARKINGS (BY OTHER)



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

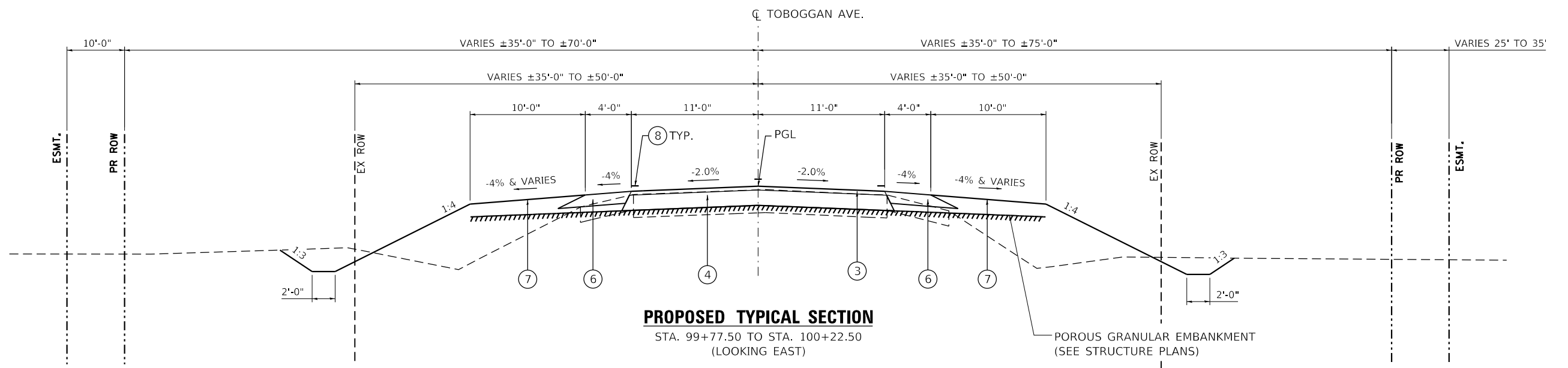
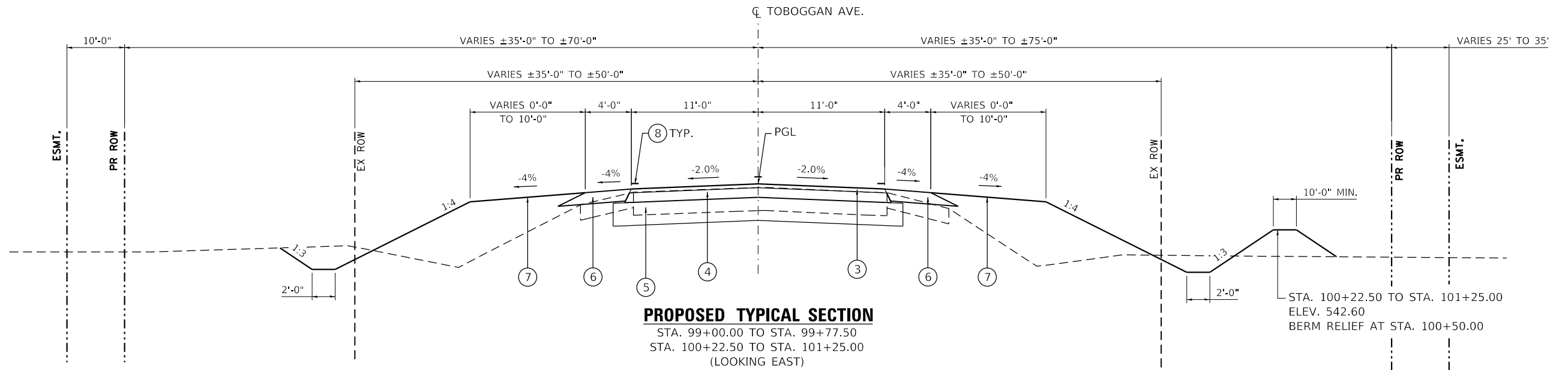
**TYPICAL SECTIONS
 TOBOGGAN AVE. OVER DRY CREEK**

SCALE: 1"=5' SHEET 1 OF 2 SHEETS STA. 96+70.00 TO STA. 106+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
462	16-00099-00-BR	TAZEWELL	32	7
CONTRACT NO. 89720				
ILLINOIS FED. AID PROJECT				

LEGEND

- ① EX HMA PAVT
- ② EX AGGREGATE SHOULDERS
- ③ HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50 (1½")
- ④ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (4½" MIN.)
- ⑤ SUBBASE GRANULAR MATERIAL, TYPE B (12")
- ⑥ AGGREGATE SHOULDERS, TYPE B (6")
- ⑦ EARTH SHOULDERS
- ⑧ PR PAVEMENT MARKINGS (BY OTHER)



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PLOT DATE = 9/30/2020	CHECKED - RKA	REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS	
TOBOGGAN AVE. OVER DRY CREEK	
SCALE: 1"=5'	SHEET 2 OF 2 SHEETS
STA. 96+70.00	TO STA. 106+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
462	16-00099-00-BR	TAZEWELL	32	8
CONTRACT NO. 89720				
ILLINOIS FED. AID PROJECT				

LOCATION	20200100	FOR INFORMATION ONLY		EARTHWORK BALANCE WASTE (+) AND SHORTAGE (-)
	EARTH EXCAVATION	EXCAVATION TO BE USED IN EMBANKMENT (ADJUSTED FOR SHRINKAGE) (EXC. x 0.75)	EMBANKMENT (FILL)	
	CU. YD.	CU. YD.	CU. YD.	
STA. 96+70.00 TO STA. 99+77.50	119	89	315	-226
STA. 99+77.50 TO STA. 100+22.50	0	0	0	0
STA. 100+22.50 TO STA. 106+50.00	1389	1042	743	299
TOTAL	1508	1131	1058	73

EARTH EXCAVATION SHRINKAGE FACTOR = 25%

21400100 GRADING AND SHAPING DITCHES

CH 14 (TOBOGGAN AVE.)	FOOT
LT 106+50.00 TO LT 113+00.00	650
TOTAL	650

28000250 TEMPORARY EROSION CONTROL SEEDING

CH 14 (TOBOGGAN AVE.)	POUND
LT 96+70.00 TO LT 97+50.00	9
RT 96+70.00 TO RT 97+50.00	9
LT 97+50.00 TO LT 100+00.00	30
RT 97+50.00 TO RT 100+00.00	27
LT 100+00.00 TO LT 100+50.00	6
RT 100+00.00 TO RT 100+50.00	9
LT 100+50.00 TO LT 102+50.00	48
RT 100+50.00 TO RT 102+50.00	66
LT 102+50.00 TO LT 106+50.00	63
RT 102+50.00 TO RT 106+50.00	96
TOTAL	363

ASSUMES 3 APPLICATIONS

28000305 TEMPORARY DITCH CHECKS

CH 14 (TOBOGGAN AVE.)	FOOT
LT 97+75.00	13
LT 98+75.00	13
LT 101+25.00	13
LT 102+25.00	13
LT 103+25.00	13
LT 104+25.00	13
LT 105+25.00	13
LT 106+25.00	13
RT 97+75.00	13
RT 101+25.00	13
RT 102+25.00	13
RT 103+25.00	13
RT 104+25.00	13
RT 105+25.00	13
TOTAL	182

28000400 PERIMETER EROSION BARRIER

CH 14 (TOBOGGAN AVE.)	FOOT
LT 96+70.00 TO LT 106+50.00	1,000
RT 96+70.00 TO RT 106+50.00	1,000
TOTAL	2,000

28000500 INLET AND PIPE PROTECTION

CH 14 (TOBOGGAN AVE.)	EACH
LT 100+68.00	1
RT 100+67.00	1
TOTAL	2

28100205 STONE RIPRAP, CLASS A3

CH 14 (TOBOGGAN AVE.)	TON
RT 100+25.00 TO RT 100+75.00	97
TOTAL	97

31101000 SUBBASE GRANULAR MATERIAL, TYPE B

CH 14 (TOBOGGAN AVE.)	TON
CL 96+70.00 TO CL 99+77.50	537
CL 99+77.50 TO CL 100+22.50	39
CL 100+22.50 TO CL 106+50.00	1,096
TOTAL	1,672

40200800 AGGREGATE SURFACE COURSE, TYPE B

CH 14 (TOBOGGAN AVE.)	TON
LT 100+50.00	40
RT 100+50.00	64
RT 99+50.00	43
TOTAL	147

40600275 BITUMINOUS MATERIALS (PRIME COAT)

CH 14 (TOBOGGAN AVE.)	POUND
CL 96+70.00 TO CL 99+77.50	1691
CL 99+77.50 TO CL 100+22.50	248
CL 100+22.50 TO CL 106+50.00	3451
TOTAL	5390

40600290 BITUMINOUS MATERIALS (TACK COAT)

CH 14 (TOBOGGAN AVE.)	POUND
CL 96+70.00 TO CL 99+77.50	1082
CL 99+77.50 TO CL 100+22.50	317
CL 100+22.50 TO CL 106+50.00	2209
TOTAL	3608

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

CH 14 (TOBOGGAN AVE.)	TON
CL 96+70.00 TO CL 99+77.50	196
CL 99+77.50 TO CL 100+22.50	76
CL 100+22.50 TO CL 106+50.00	400
TOTAL	672

40604050 HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50

CH 14 (TOBOGGAN AVE.)	TON
CL 96+70.00 TO CL 99+77.50	65
CL 99+77.50 TO CL 100+22.50	10
CL 100+22.50 TO CL 106+50.00	132
TOTAL	207

44000100 PAVEMENT REMOVAL

CH 14 (TOBOGGAN AVE.)	SQYD
CL 96+70.00 TO CL 99+86.00	772
CL 100+14.00 TO CL 106+50.00	1,555
TOTAL	2,327

48101200 AGGREGATE SHOULDERS, TYPE B

CH 14 (TOBOGGAN AVE.)	TON
LT 96+70.00 TO LT 99+77.50	47
LT 99+77.50 TO LT 100+22.50	7
LT 100+22.50 TO LT 106+50.00	95
RT 96+70.00 TO RT 99+77.50	47
RT 99+77.50 TO RT 100+22.50	7
RT 100+22.50 TO RT 106+50.00	95
TOTAL	298

50105220 PIPE CULVERT REMOVAL

CH 14 (TOBOGGAN AVE.)	FOOT
LT 100+34.00 TO LT 100+56.00	22
RT 100+34.00 TO RT 100+56.00	22
TOTAL	44

54262730 METAL FLARED END SECTIONS 30"

CH 14 (TOBOGGAN AVE.)	EACH
LT 100+32.00	1
LT 100+68.00	1
TOTAL	2

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design firm
no. 184001036



USER NAME = SOPERATORS	DESIGNED - RKA	REVISED
	CHECKED - SDS	REVISED
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PLOT DATE = 11/3/2020	CHECKED - RKA	REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES
TOBOGGAN AVE. OVER DRY CREEK**

SCALE: 1"=50'

SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
462	16-00099-00-BR	TAZEWELL	32	9
CONTRACT NO. 89720			ILLINOIS FED. AID PROJECT	

54262736 METAL FLARED END SECTIONS 36"

CH 14 (TOBOGGAN AVE.)		EACH
RT	100+33.00	1
RT	100+67.00	1
TOTAL		2

542D0235 PIPE CULVERTS, CLASS D, TYPE 1 30"

CH 14 (TOBOGGAN AVE.)		FOOT
LT	100+32.00 TO LT 100+68.00	36
TOTAL		36

542D0241 PIPE CULVERTS, CLASS D, TYPE 1 36"

CH 14 (TOBOGGAN AVE.)		FOOT
RT	100+33.00 TO RT 100+67.00	34
TOTAL		34

67100100 MOBILIZATION

CH 14 (TOBOGGAN AVE.)		LSUM
TOTAL		1

X2501000 SEEDING, CLASS 2 (SPECIAL)

CH 14 (TOBOGGAN AVE.)		ACRE
LT	96+70.00 TO LT 97+50.00	0.10
RT	96+70.00 TO RT 97+50.00	0.03
LT	97+50.00 TO LT 100+00.00	0.10
RT	97+50.00 TO RT 100+00.00	0.09
LT	100+00.00 TO LT 100+50.00	0.02
RT	100+00.00 TO RT 100+50.00	0.03
LT	100+50.00 TO LT 102+50.00	0.16
RT	100+50.00 TO RT 102+50.00	0.22
LT	102+50.00 TO LT 106+50.00	0.21
RT	102+50.00 TO RT 106+50.00	0.32
TOTAL		1.3

X7011800 TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21

CH 14 (TOBOGGAN AVE.)		LSUM
TOTAL		1

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design firm
no. 184001036



USER NAME = \$OPERATORS	DESIGNED - RKA	REVISED
	CHECKED - SDS	REVISED
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PLOT DATE = 9/30/2020	CHECKED - RKA	REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES
TOBOGGAN AVE. OVER DRY CREEK**

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

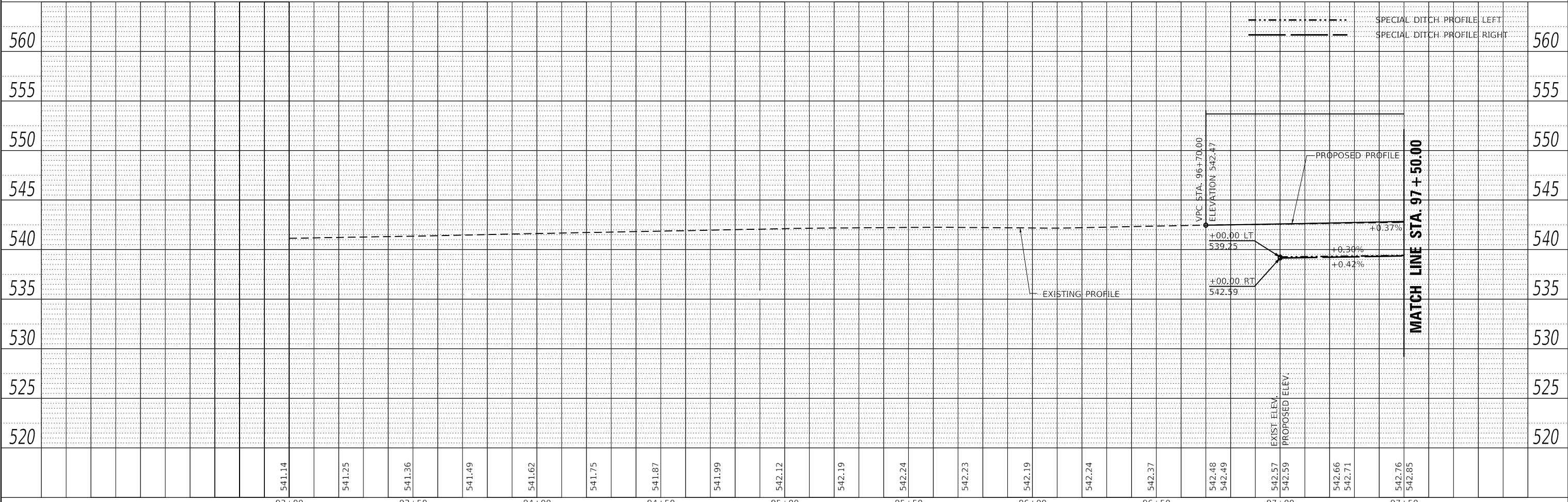
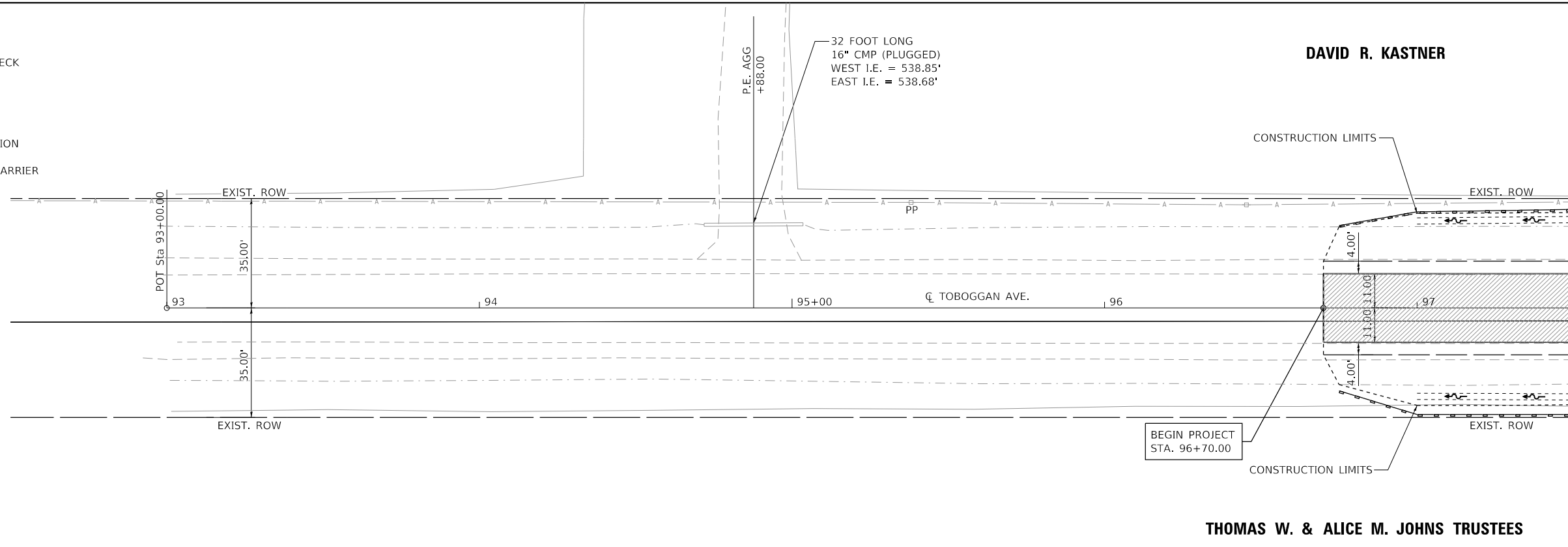
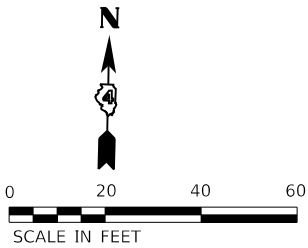
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462	16-00099-00-BR	TAZEWELL	32	10
CONTRACT NO. 89720			ILLINOIS FED. AID PROJECT	

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	PLOTTED	BY
	ALIGNED	
	CHECKED	
	FILED	
	CAD FILE NAME	
	NO.	

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

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 Design firm
 no. 184001036

- LEGEND**
- TO BE REMOVED
 - TEMPORARY DITCH CHECK
 - STONE RIPRAP
 - RELOCATE BY OTHERS
 - INLET & PIPE PROTECTION
 - PERIMETER EROSION BARRIER
 - PAVEMENT REMOVAL



USER NAME = SOPERATORS	DESIGNED - RKA	REVISED
	CHECKED - CWC	REVISED
PLOT SCALE = 40,000' / in.	DRAWN - GSI	REVISED
PLOT DATE = 11/3/2020	CHECKED - RKA	REVISED

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
 TOBOGGAN AVE. OVER DRY CREEK

SCALE: 1"=20' SHEET 1 OF 3 SHEETS STA. 93+00.00 TO STA. 97+50.00

F.A.S. RTE. 462	SECTION 16-00099-00-BR	COUNTY TAZEWELL	TOTAL SHEETS 32	SHEET NO. 11
CONTRACT NO. 89720				
ILLINOIS FED. AID PROJECT				

LEGEND

- TO BE REMOVED
- TEMPORARY DITCH CHECK
- STONE RIPRAP
- RELOCATE BY OTHERS
- INLET & PIPE PROTECTION
- PERIMETER EROSION BARRIER
- PAVEMENT REMOVAL

DAVID R. KASTNER

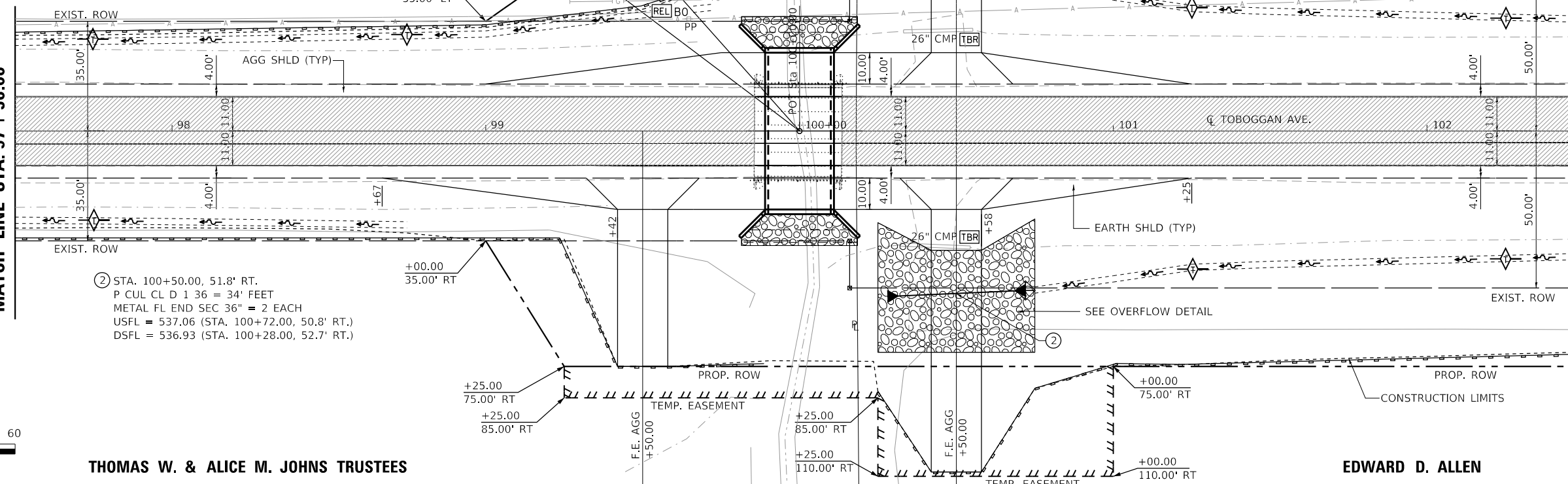
① STA. 100+50.00, 47.4' LT.
 P CUL CL D 1 30" = 36" FEET
 METAL FL END SEC 30" = 2 EACH
 USFL = 538.14 (STA. 100+72.00, 46.41' LT.)
 DSFL = 538.01 (STA. 100+28.00, 46.41' LT.)

② STA. 100+50.00, 51.8' RT.
 P CUL CL D 1 36" = 34" FEET
 METAL FL END SEC 36" = 2 EACH
 USFL = 537.06 (STA. 100+72.00, 50.8' RT.)
 DSFL = 536.93 (STA. 100+28.00, 52.7' RT.)

DAVID R. KASTNER

MATCH LINE STA. 97 + 50.00

MATCH LINE STA. 102 + 50.00

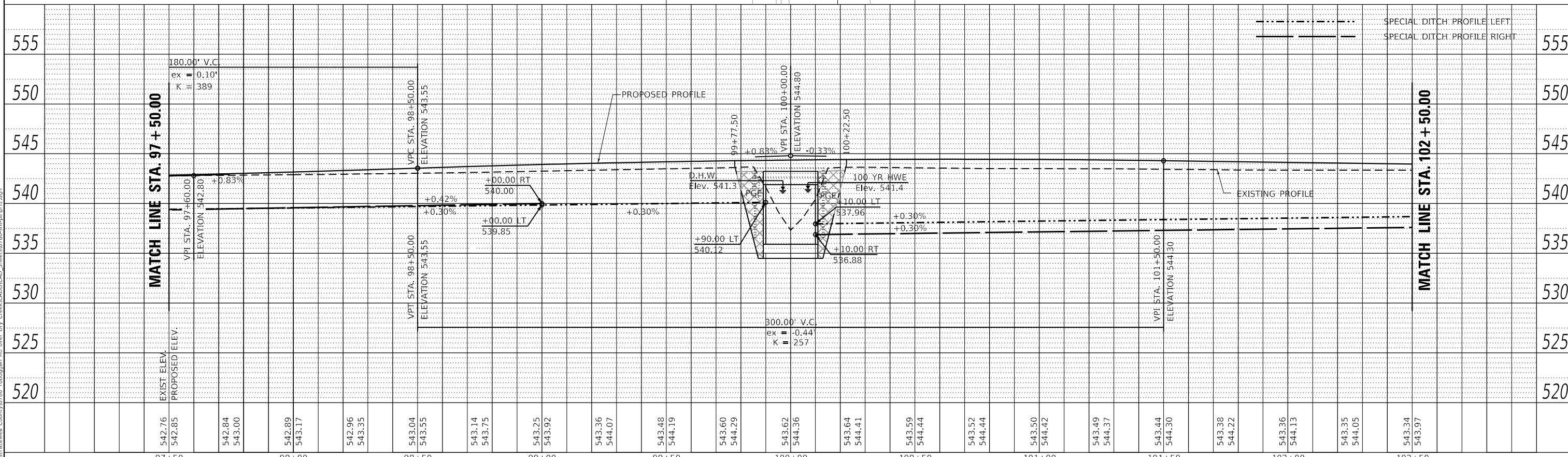


THOMAS W. & ALICE M. JOHNS TRUSTEES

EDWARD D. ALLEN

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILED	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATIONS	
	NO.	



Design firm
 no. 184001036



USER NAME =	OPERATORS	DESIGNED -	RKA	REVISED	
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PLOT DATE =	11/3/2020	CHECKED -	RKA	REVISED	

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
 TOBOGGAN AVE. OVER DRY CREEK
 SCALE: 1"=20'
 SHEET 2 OF 3 SHEETS
 STA. 97+50.00 TO STA. 102+50.00

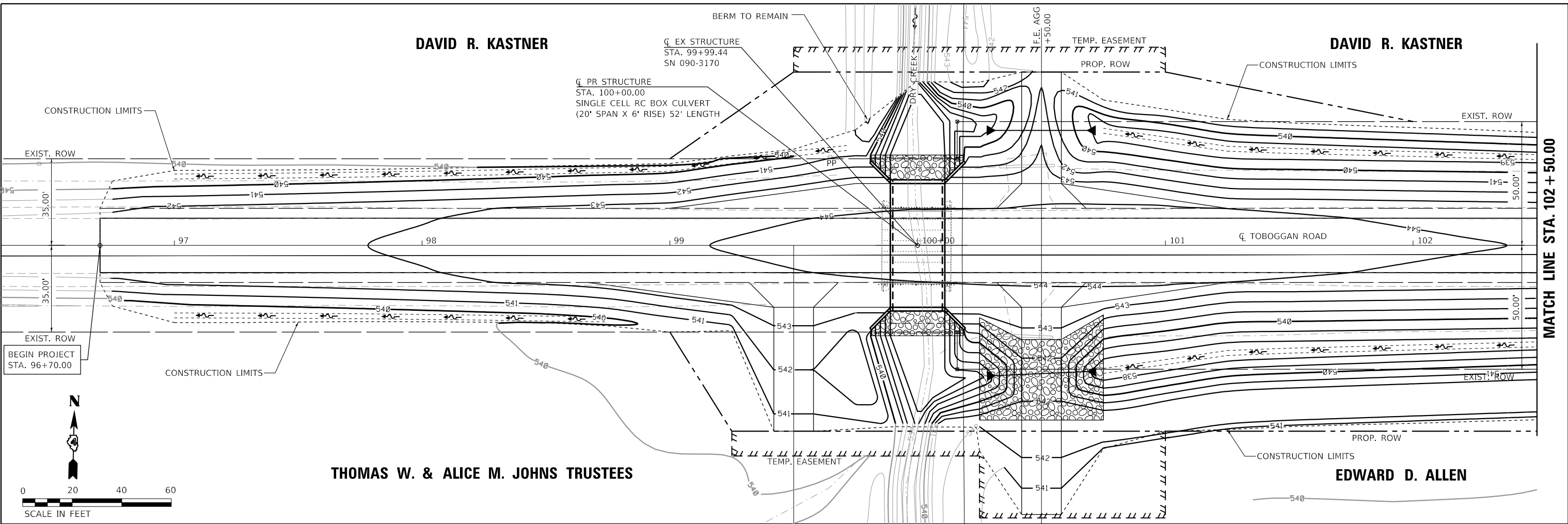
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CONTRACT NO. 89720				
ILLINOIS		FED. AID PROJECT		

DAVID R. KASTNER

DAVID R. KASTNER

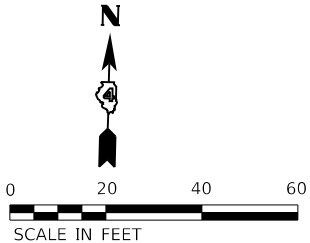
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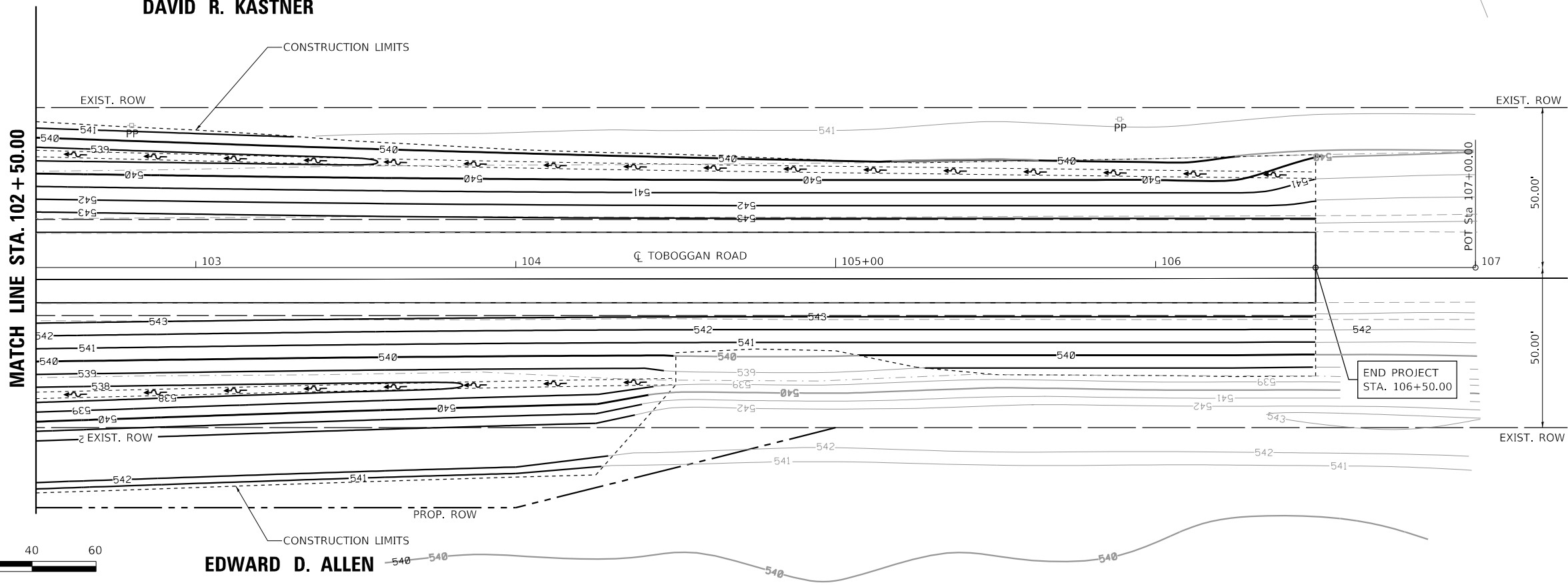


THOMAS W. & ALICE M. JOHNS TRUSTEES

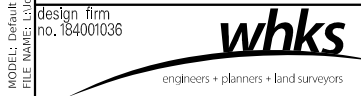
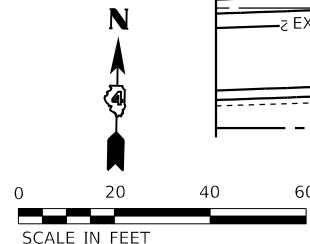
EDWARD D. ALLEN



DAVID R. KASTNER



EDWARD D. ALLEN



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		CHECKED	- CWC	REVISED	
PLOT SCALE	= 40,000' / in.	DRAWN	- GSI	REVISED	
PLOT DATE	= 11/3/2020	CHECKED	- RKA	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GRADING PLAN TOBOGGAN AVE. OVER DRY CREEK			
SCALE: 1"=20'	SHEET 1	OF 1	SHEETS
STA. 97+50.00		TO STA. 102+50.00	

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
462	16-00099-00-BR	TAZEWELL	32	14
CONTRACT NO. 89720				
ILLINOIS FED. AID PROJECT				

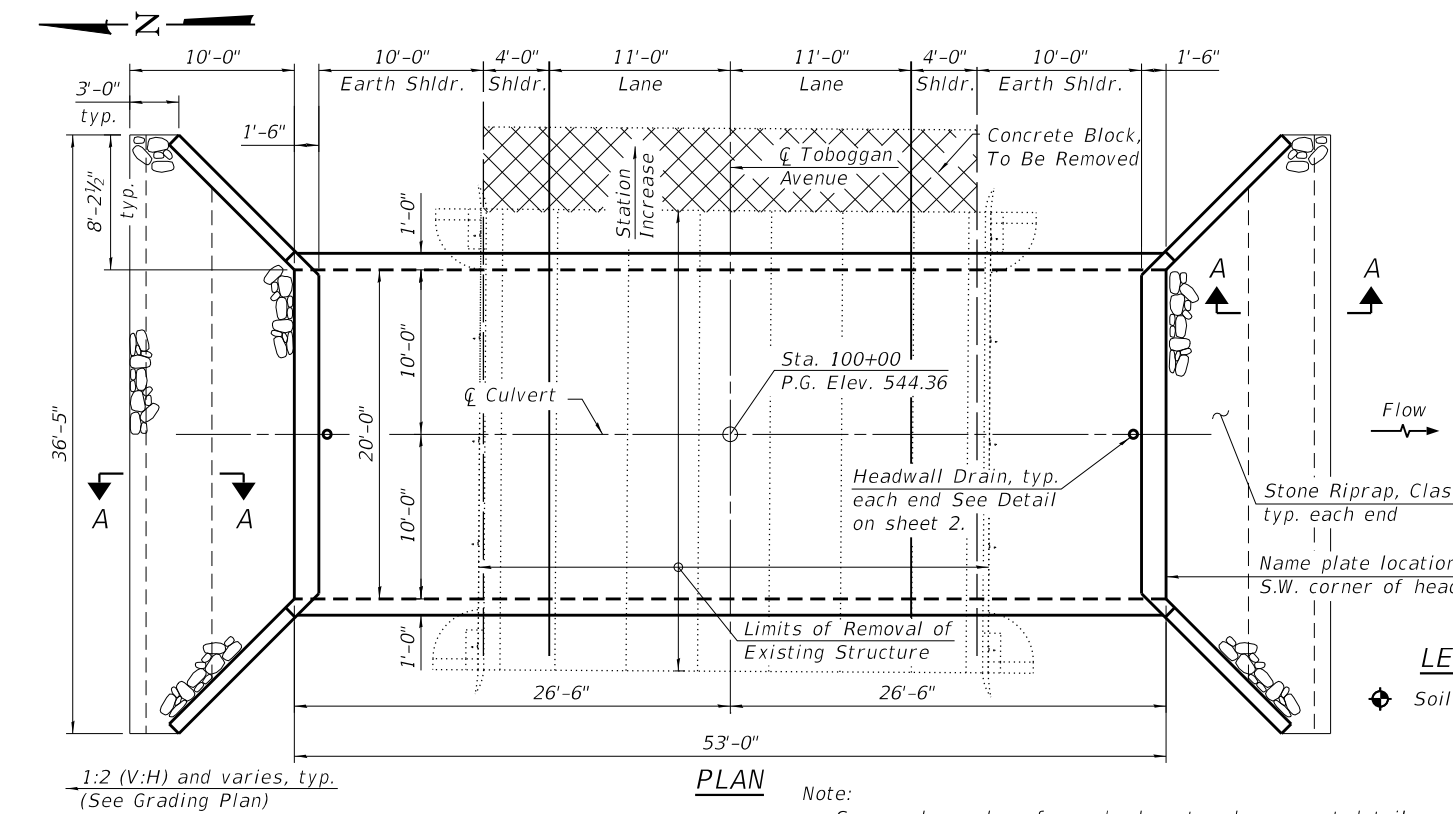
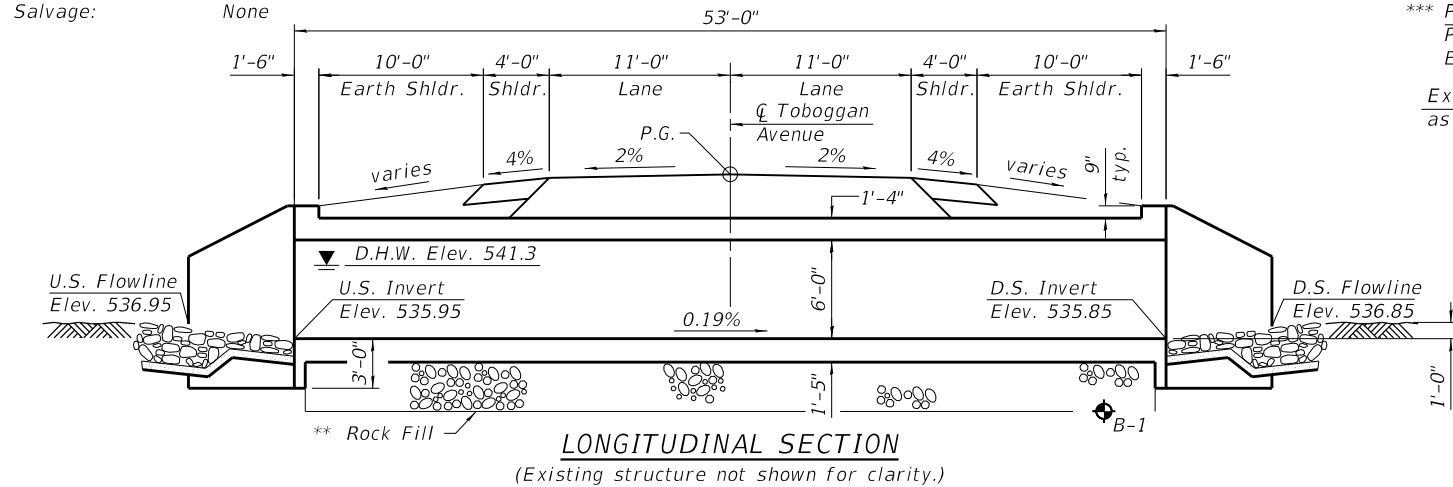
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Benchmark: RR spike set in east face of 12" wooden power pole 50' N.W. of center/center of project bridge, 35.5' north of \bar{C} of Toboggan Avenue, Station 99+64.72, Elevation = 542.77, Offset 35.75' Lt.

Existing Structure: S.N 090-3170 was built in 1973 as FAS 467, Station 120+34.0. Structure is a single span bridge composed of 7 - PPC deck beams supported by pile bent abutments founded on metal shell piles. 29'-4" back to back of abutments, 30'-4" out to out of deck. Road to be closed during construction.

Salvage: None



WATERWAY INFORMATION TABLE

Flood Event	Frequency Year	Discharge cfs	Waterway Opening (sq ft)		Natural H.W.E.	Head (ft)		Headwater Elev. (ft)	
			Existing	Proposed		Existing	Proposed	Existing	Proposed
Design	10	300	83	100	541.2	1.5	1.5	542.7	542.7
	15	360	83	100	541.3	1.5	1.5	542.8	542.8
	20	395	83	100	541.3	1.8	1.8	543.1	543.1
Existing OT	30	450	83	100	541.3	2.0	2.0	543.3	543.3
	50	500	83	100	541.4	2.1	2.1	543.5	543.5
	Base	100	595	83	100	541.4	2.3	2.2	543.7
Check	200	690	83	100	541.4	2.7	2.3	544.1	543.7
	Max. Calc.	500	825	83	100	541.5	2.3	2.3	543.8

10-Year Velocity through Existing: 3.7 ft./s
 10-Year Velocity through Proposed: 3.0 ft./s

Over excavation beyond the limits of Structure Excavation not measured for payment.

*** Pay limits of Porous Granular Embankment, typ.

Excavation paid for as Structure Excavation.

* Limits of Removal and Disposal of Unsuitable Material to be backfilled with Rock Fill See Special Provisions.

* The limits and quantities of removal and replacement shown are based on the boring data and may be modified by the District Geotechnical and Field Engineers for variable subsurface conditions encountered in the field.

** The Rock Fill shall be capped with 6" of CA7 or CA11 as indicated in the Special Provisions. The cost of capping material shall be included in the pay item for Rock Fill.

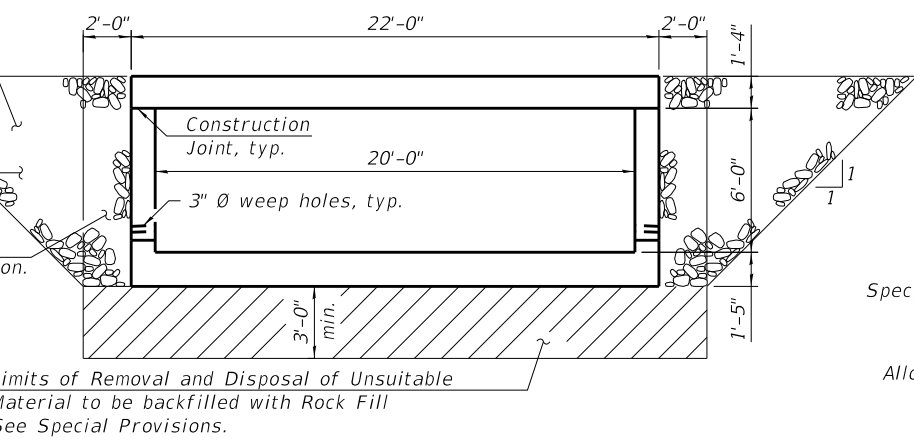
*** P.G.E. shall extend full length of culvert and wing walls. 12" earth cap to be placed at ends of wing walls to cover P.G.E. Cost included with Porous Granular Embankment.

GENERAL NOTES

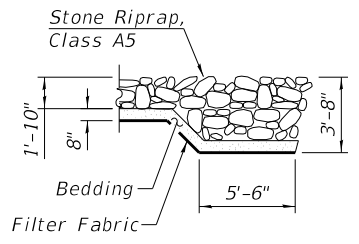
1. Reinforcement bars designated (E) shall be epoxy coated.
2. Layout of riprap may be varied in the field to suit ground condition as directed by the Engineer.
3. Concrete located behind the existing abutments shall be removed. Cost included with Removal of Existing Structures. See Special Provisions.
4. It shall be the responsibility of the Contractor to divert flow during construction in order to keep construction areas free of water. The method of water diversion shall be subject to the approval of the Engineer and shall be included in the cost of Concrete Box Culverts.
5. Precast alternate is not allowed.

LEGEND

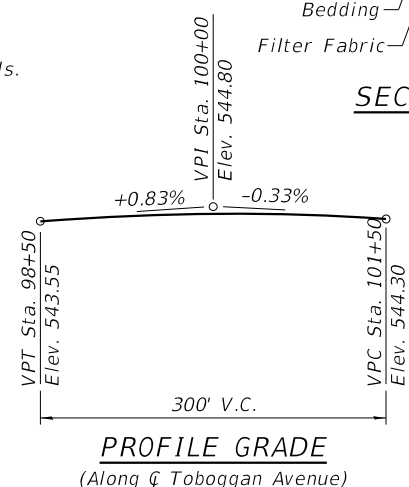
Soil Boring Location



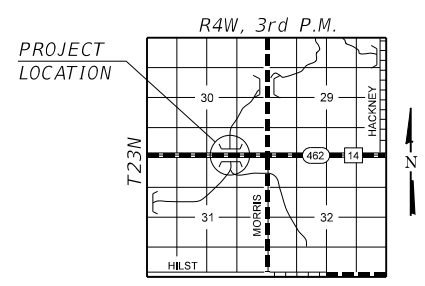
SECTION THRU BARREL



SECTION A-A



PROFILE GRADE
(Along \bar{C} of Toboggan Avenue)



LOCATION SKETCH

DRY CREEK
 BUILT 20 BY
 TAZEWELL COUNTY
 SEC. 16-00099-00-BR
 F.A.S. RT. 462 STATION 100+00.00
 STR. NO. 090-3251 LOADING HL-93

NAME PLATE

See Std. 515001

INDEX OF SHEETS

1. General Plan and Elevation
2. Culvert Details
- 3-4. Boring Logs

DESIGN SPECIFICATIONS

2017 AASHTO LRFD Bridge Design Specifications, 8th Edition with 2018 Interims

LOADING HL-93

Allow 50#/sq. ft. for future wearing surface.

DESIGN STRESSES

FIELD UNITS

f'_c = 3,500 psi (Concrete)
 f_y = 60,000 psi (Reinforcement)

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Removal and Disposal of Unsuitable Material	Cu. Yd.	150
Porous Granular Embankment	Cu. Yd.	311
Stone Riprap, Class A5	Ton	107
Filter Fabric	Sq. Yd.	67
Removal of Existing Structures	Each	1
Structure Excavation	Cu. Yd.	343
Reinforcement Bars, Epoxy Coated	Pound	33670
Name Plates	Each	1
Concrete Box Culverts	Cu. Yd.	158.6
Rock Fill	Ton	300



Brenton R. Davis 10/30/20
 Expires: 11/30/2020

I certify that to the best of knowledge, information and belief, this Bridge 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 Bridge Design Specifications.

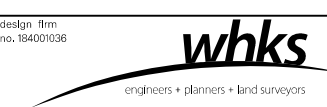
GENERAL PLAN AND ELEVATION
CH 14 (TOBOGGAN AVENUE)
OVER DRY CREEK
FAS 462 - SECTION 16-00099-00-BR
TAZEWELL COUNTY
STATION 100+00.00
STRUCTURE NO. 090-3251

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SHEET NO. 1 OF 4 SHEETS

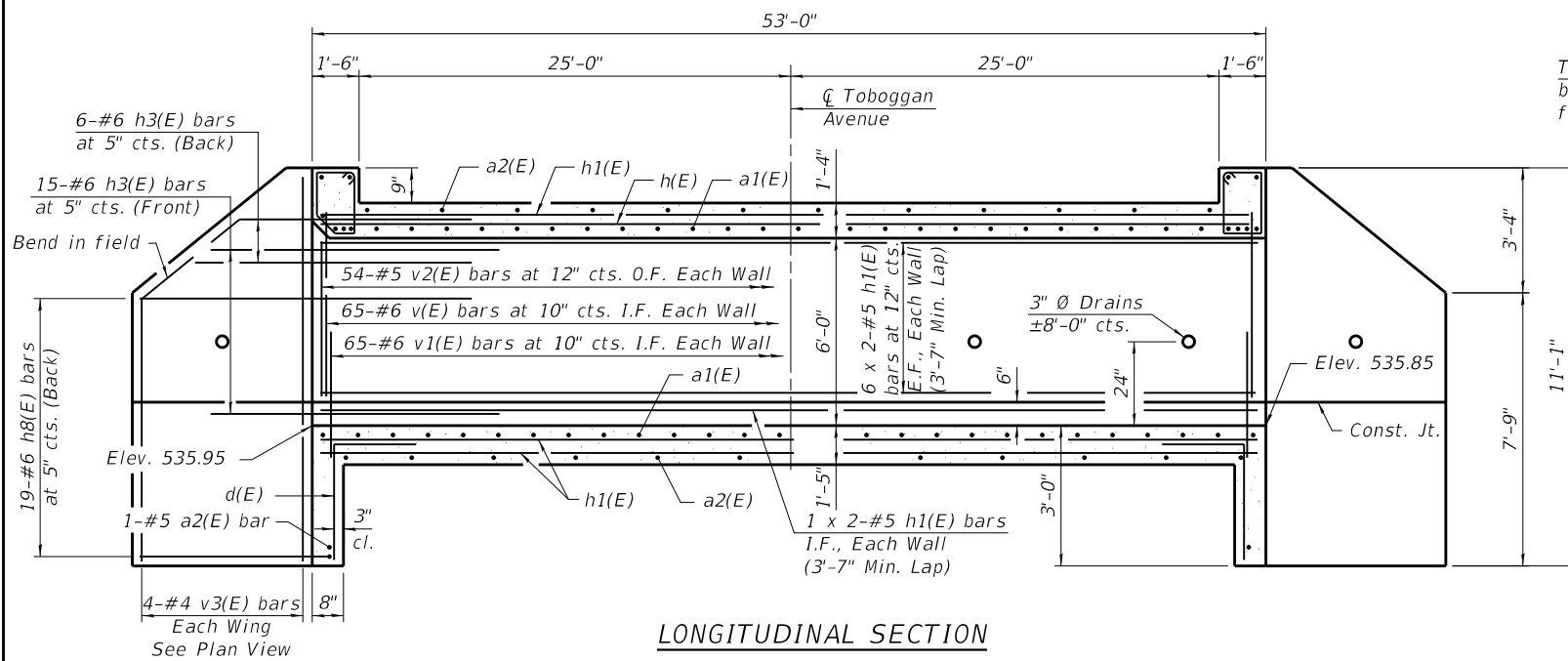
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462	16-00099-00-BR	TAZEWELL	32	15
CONTRACT NO. 89720				

ILLINOIS FED. AID PROJECT

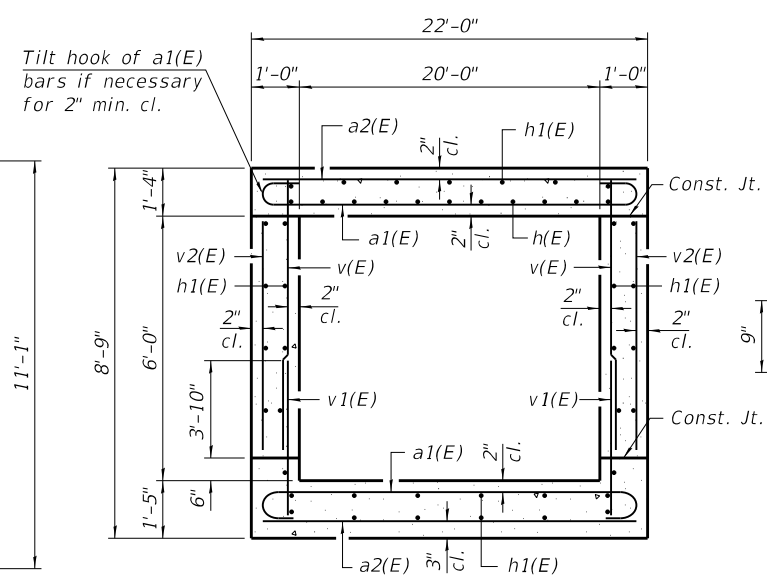


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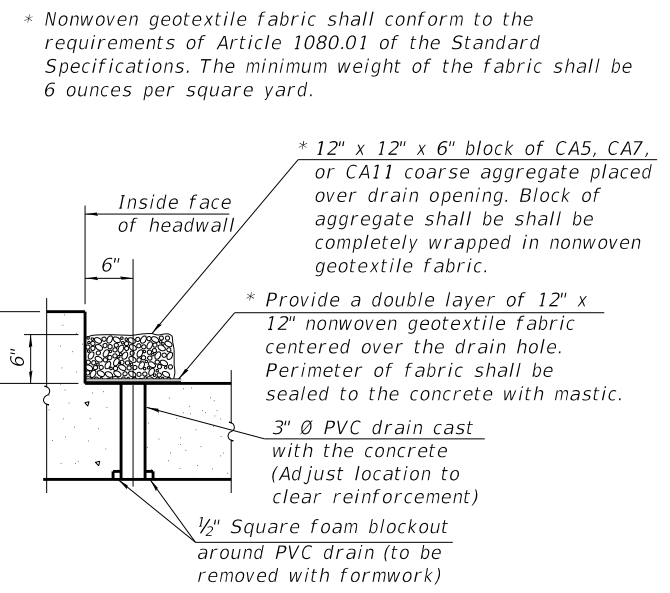
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 design firm
 no. 184001036
whks
 engineers • planners • land surveyors



LONGITUDINAL SECTION

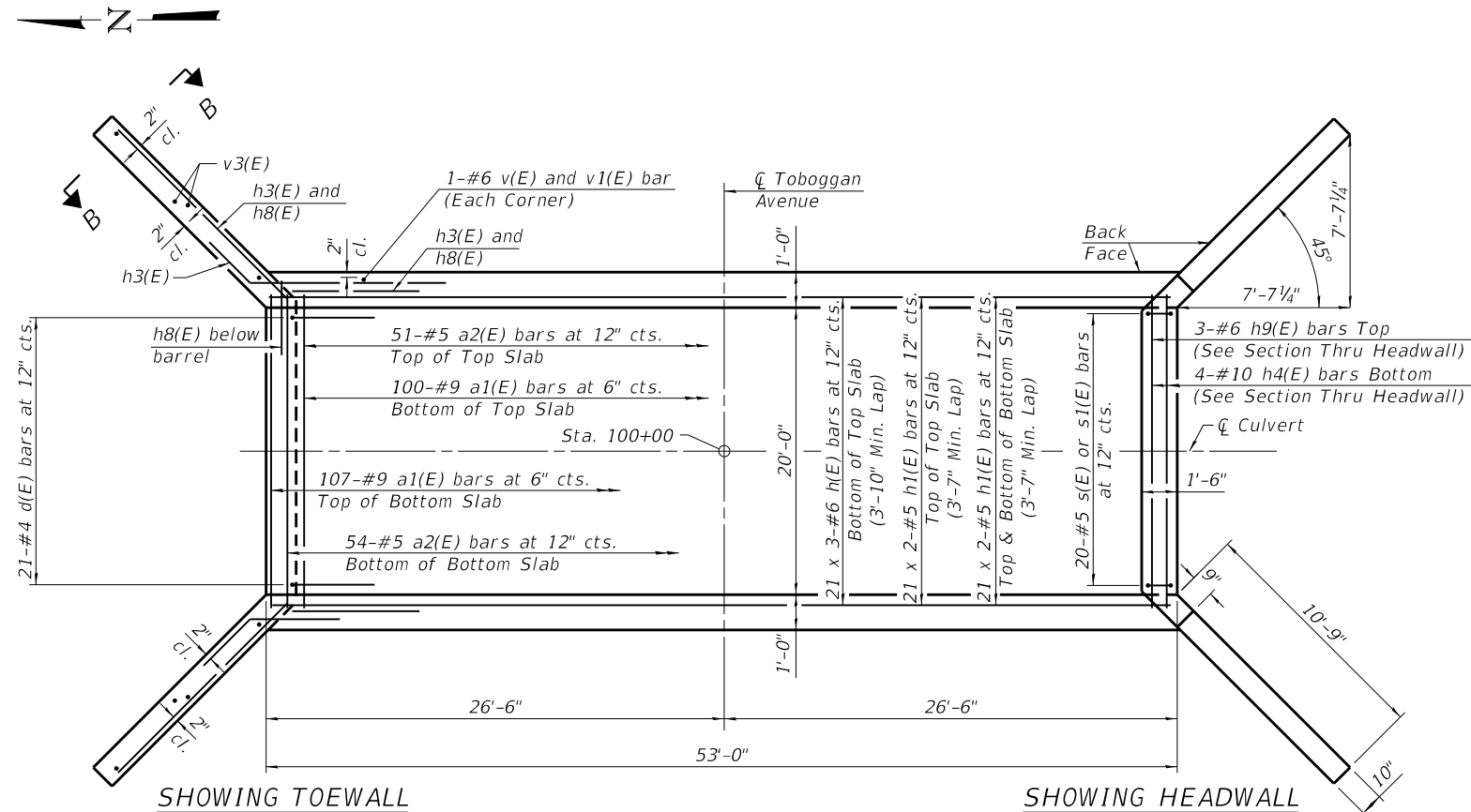


SECTION THRU BARREL

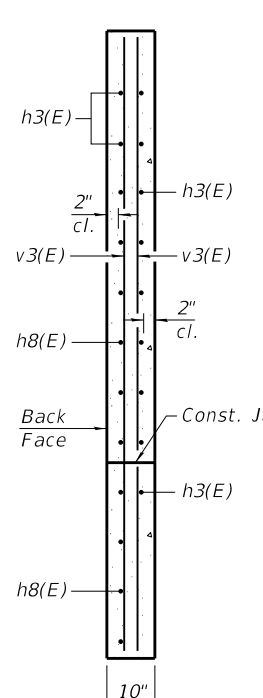


DRAIN DETAIL

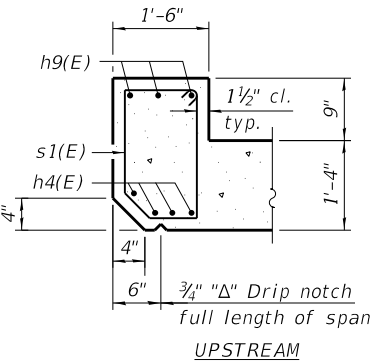
(All costs associated with furnishing and constructing the above drain detail will not be measured for payment but shall be included in the contract unit price for the associated work.)



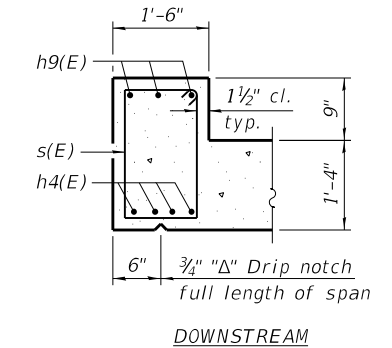
PLAN



SECTION B-B



UPSTREAM

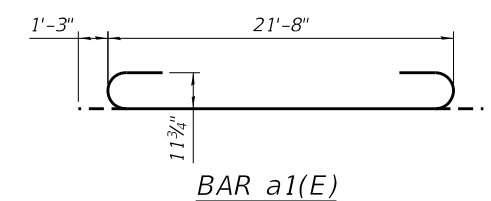


DOWNSTREAM

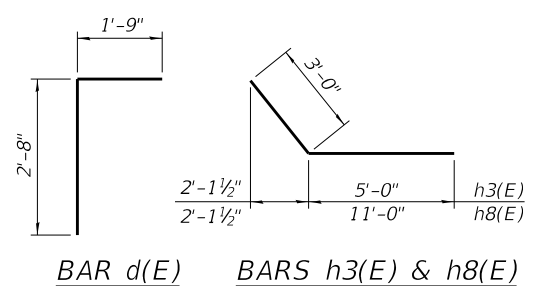
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a1(E)	207	#9	24'-2"	U
a2(E)	107	#5	21'-8"	—
d(E)	42	#4	4'-5"	L
h(E)	63	#6	20'-2"	—
h1(E)	178	#5	28'-2"	—
h3(E)	84	#6	8'-0"	—
h4(E)	8	#10	21'-8"	—
h8(E)	76	#6	14'-0"	—
h9(E)	6	#6	19'-1"	—
s(E)	20	#5	7'-1"	□
s1(E)	20	#5	6'-11"	□
v(E)	134	#6	6'-8"	—
v1(E)	134	#6	5'-6"	—
v2(E)	108	#5	5'-3"	—
v3(E)	16	#4	10'-9"	—
Concrete Box Culverts		Cu. Yd.	158.6	
Reinforcement Bars, Epoxy Coated		Pound	33670	

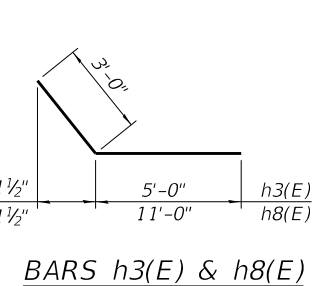
- Notes:
1. A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.
 2. Bars indicated thus 12 x 4-#5 etc. indicates 12 lines of bars with 4 lengths per line.
 3. At the Contractor's option, a longer v1 bar may be ordered to replace the v bar. No reduction in quantities shall be made for this substitution.



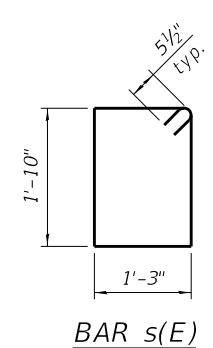
BAR a1(E)



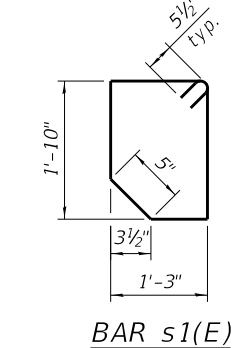
BAR d(E)



BARS h3(E) & h8(E)



BAR s(E)



BAR s1(E)

TSA-SC-HC-ZS

2-17-2017

USER NAME	DESIGNED	REVISIONS
= dtheberling	- BRD	REVIS
FILE NAME = SN 090-3251.dgn	CHECKED - SBC	REVIS
PLOT SCALE = 0.2"/in.	DRAWN - DLH	REVIS
PLOT DATE = 11/2/2020	CHECKED - BRD	REVIS

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CULVERT DETAILS
STRUCTURE NO. 090-3251**

SHEET NO. 2 OF 4 SHEETS

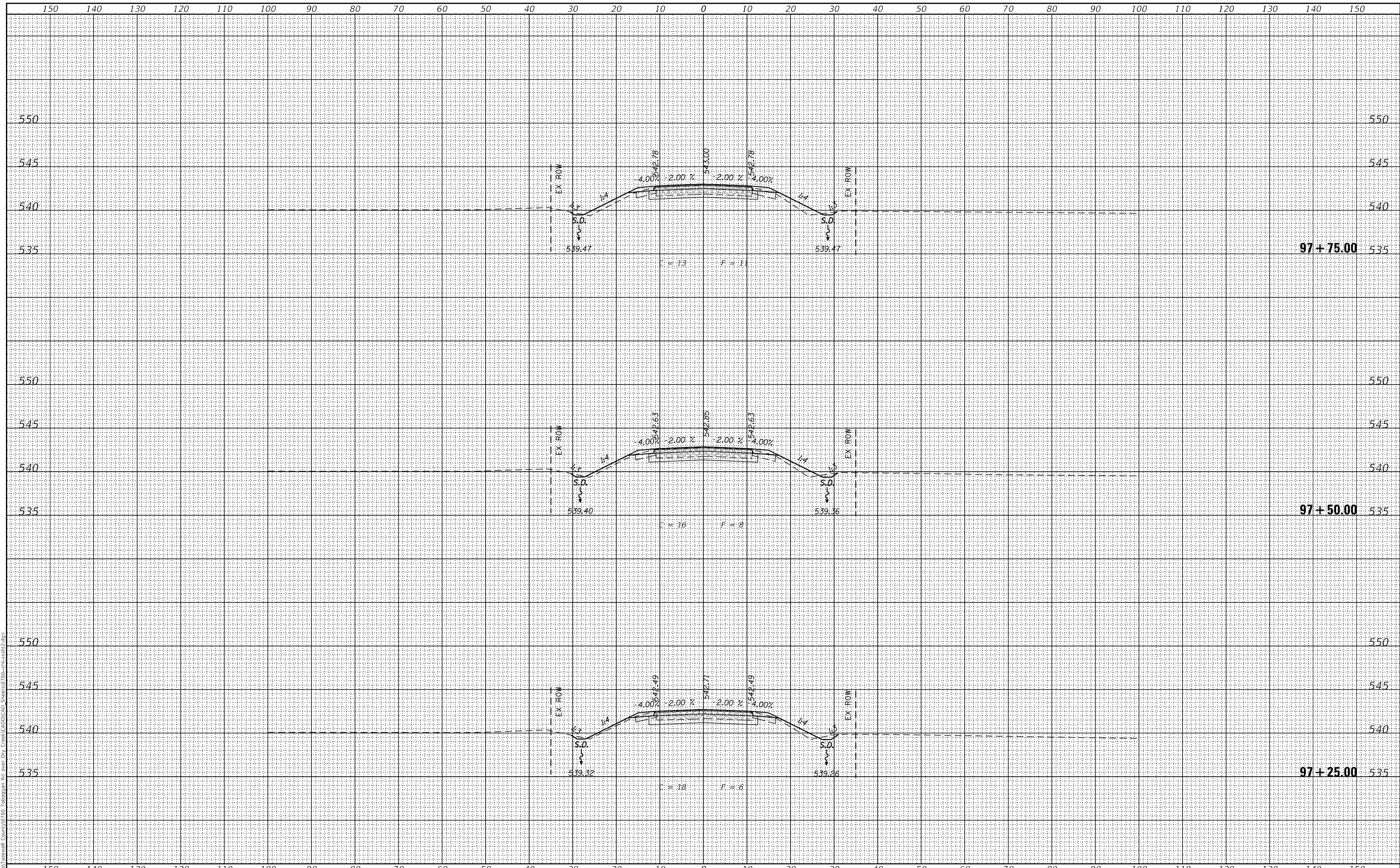
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
462	16-00099-00-BR	TAZEWELL	32	16
CONTRACT NO. 89720				

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: Default
 FILE NAME: I:\Projects\Tazewell County\8780 Toboggan Ave over Dry Creek\CADD\CAD Sheets\8780-shcs32.dgn



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

USER NAME = SOPERATORS	DESIGNED - RKA	REVISED
	CHECKED - SDS	REVISED
PLOT SCALE = 20.000' / in.	DRAWN - GSI	REVISED
PLOT DATE = 11/3/2020	CHECKED - RKA	REVISED

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 TOBOGGAN AVE. OVER DRY CREEK**

SCALE: 1" = 10' SHEET 2 OF 14 SHEETS STA. 97+25.00 TO STA. 97+75.00

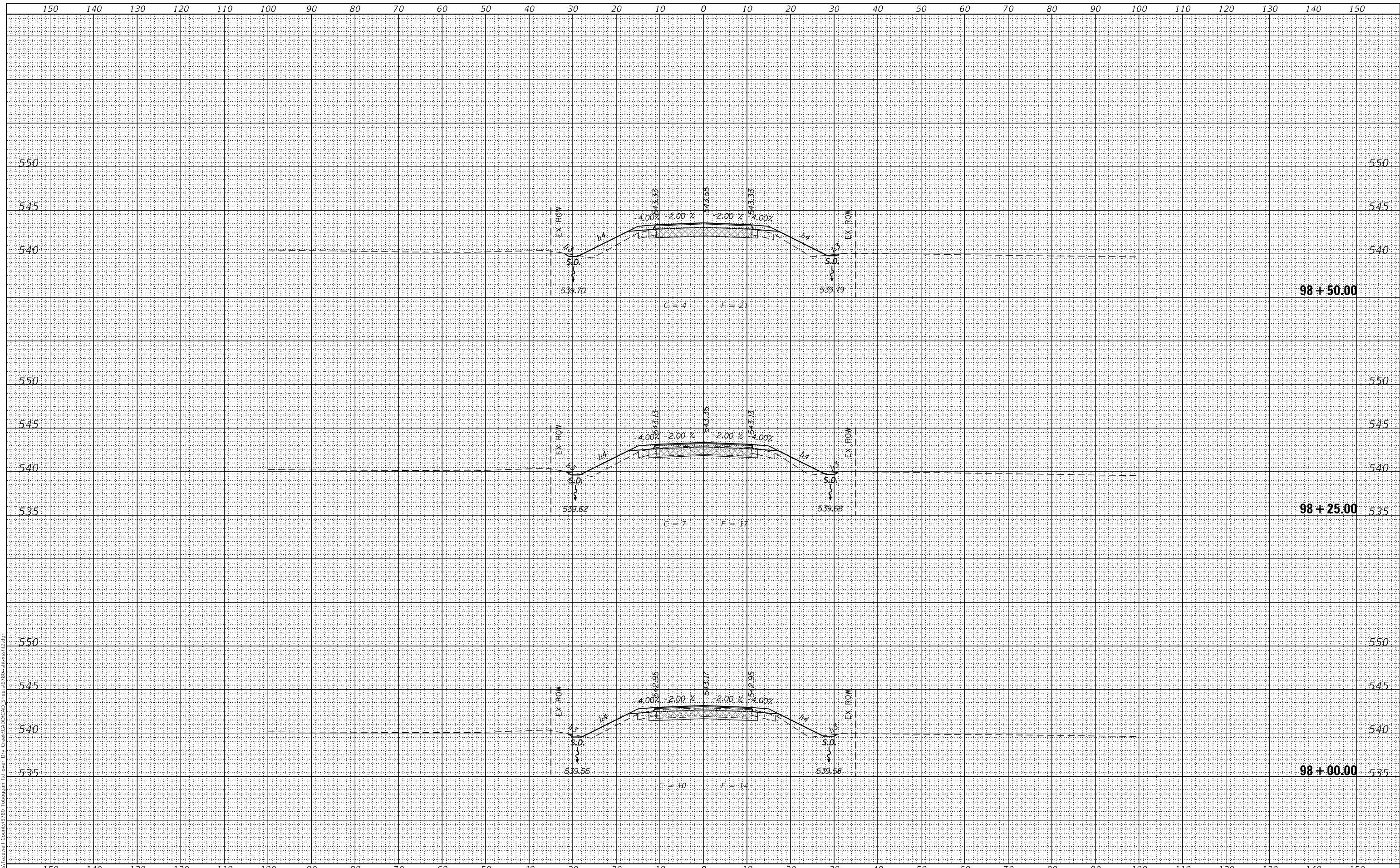
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
462	16-00099-00-BR	TAZEWELL	32	20
			CONTRACT NO. 89720	

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: Default
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 Design firm no. 184001036



engineers • planners • land surveyors
 USER NAME = SOPERATORS
 PLOT SCALE = 20.000' / in.
 PLOT DATE = 11/3/2020

DESIGNED	- RKA	REVISED	
CHECKED	- SDS	REVISED	
DRAWN	- GSI	REVISED	
CHECKED	- RKA	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

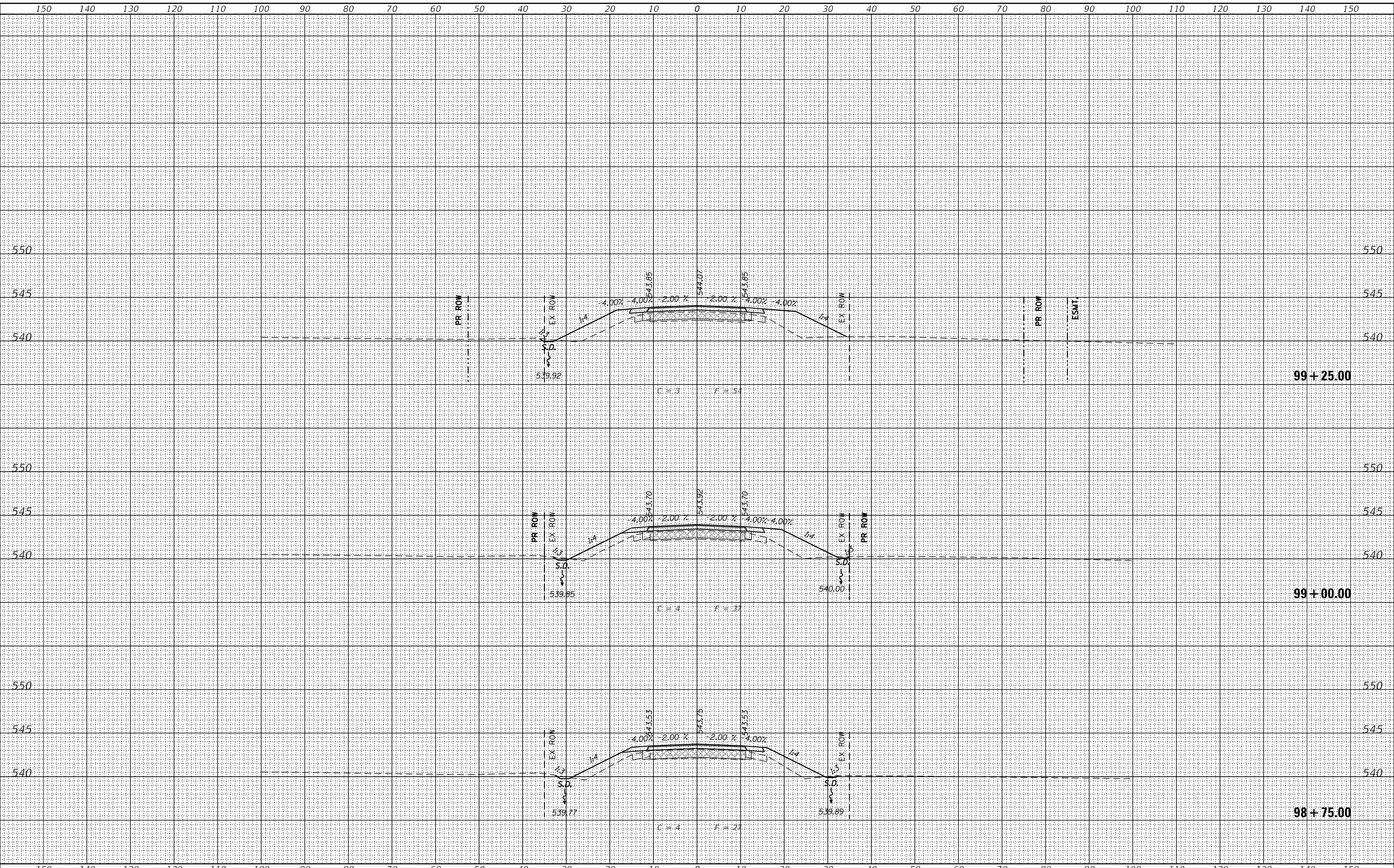
CROSS SECTIONS
TOBOGGAN AVE. OVER DRY CREEK
 SCALE: 1" = 10'
 SHEET 3 OF 14 SHEETS
 STA. 98+00.00 TO STA. 98+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
462	16-00099-00-BR	TAZEWELL	32	21
ILLINOIS FED. AID PROJECT			CONTRACT NO. 89720	

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
AREA'S	TEMPLATE
CHECKED	AREAS

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
AREA'S	TEMPLATE
CHECKED	AREAS

MODEL: Default
 FILE NAME: I:\Projects\Tazewell County\8780 Toboggan Ave over Dry Creek\AUG10\CAD Sheets\8780-sh-cvss2.dgn
 design firm no. 184001036



USER NAME	= SOPERATORS
PLOT SCALE	= 20.000' / in.
PLOT DATE	= 11/3/2020

DESIGNED	- RKA	REVISED	
CHECKED	- SDS	REVISED	
DRAWN	- GSI	REVISED	
CHECKED	- RKA	REVISED	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
TOBOGGAN AVE. OVER DRY CREEK**

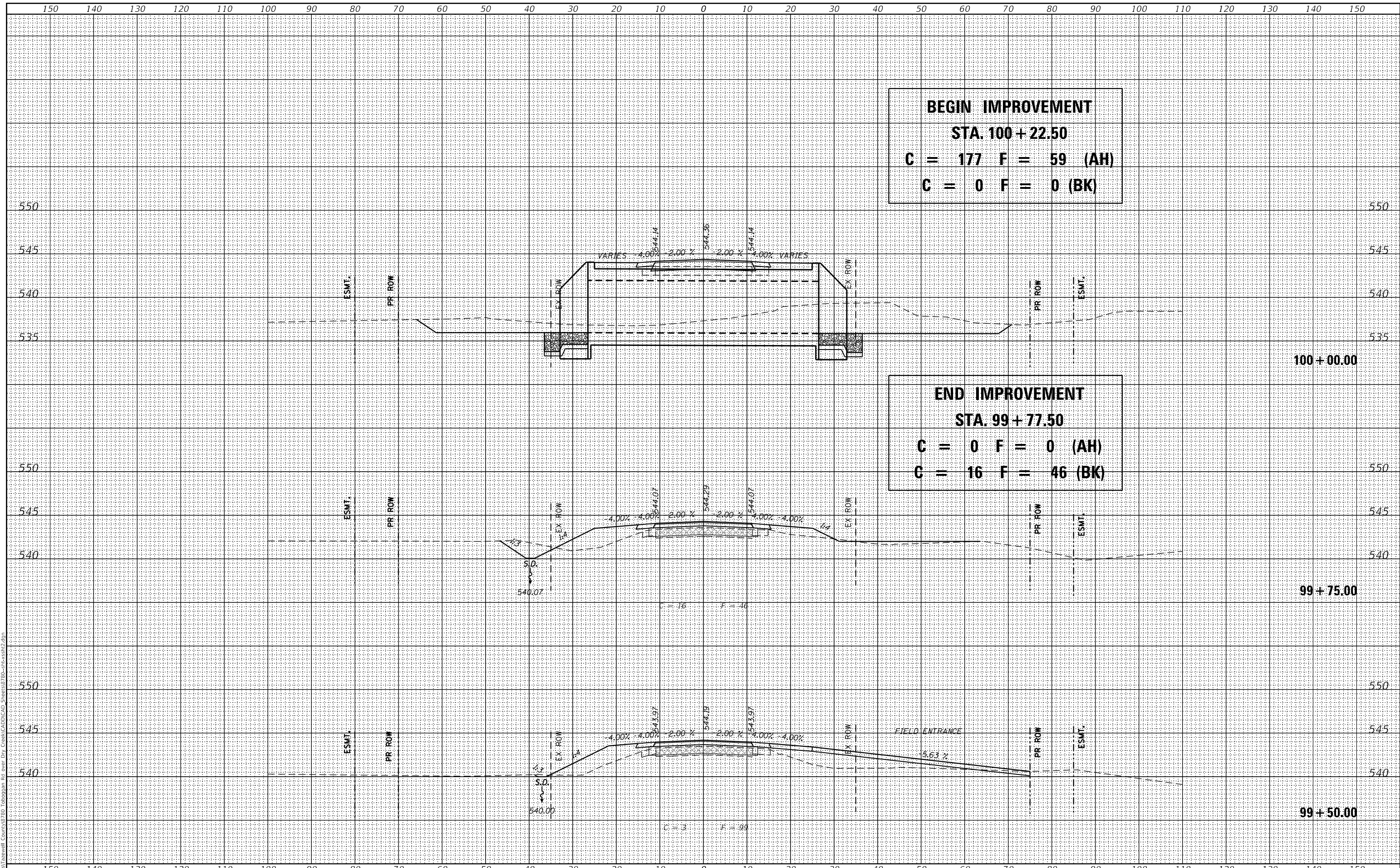
SCALE: 1" = 10' SHEET 4 OF 14 SHEETS STA. 98+75.00 TO STA. 99+25.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
462	16-00099-00-BR	TAZEWELL	32	22
				CONTRACT NO. 89720
				ILLINOIS FED. AID PROJECT

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

MODEL: Default
 Design firm no. 184001036
 FILE NAME: I:\Projects\Tazewell County\8780 Toboggan Ave Over Dry Creek\AUG10\Drawings\8780-184001036.dgn



USER NAME	= SOPERATORS
DESIGNED	- RKA
CHECKED	- SDS
PLOT SCALE	= 20.000' / in.
PLOT DATE	= 11/3/2020

DESIGNED	- RKA	REVISED	
CHECKED	- SDS	REVISED	
DRAWN	- GSI	REVISED	
CHECKED	- RKA	REVISED	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

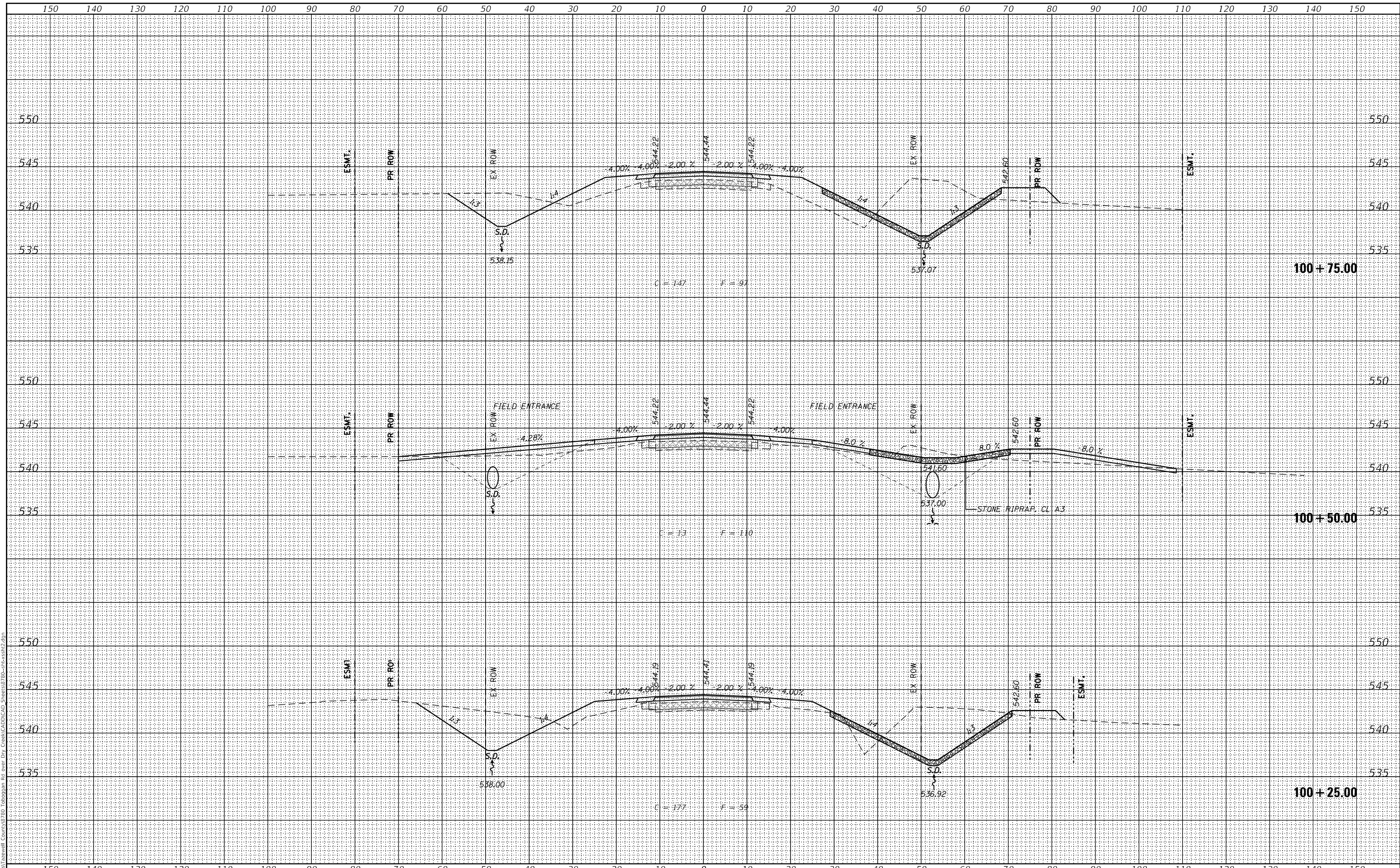
CROSS SECTIONS	
TOBOGGAN AVE. OVER DRY CREEK	
SCALE: 1" = 10'	SHEET 5 OF 14 SHEETS
STA. 99+50.00	TO STA. 100+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
462	16-00099-00-BR	TAZEWELL	32	23
CONTRACT NO. 89720				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
AREA CHECKED	TEMPLATE
	AREAS CHECKED

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
AREA CHECKED	TEMPLATE
	AREAS CHECKED

MODEL: Definit
 FILE NAME: I:\Projects\Toboggan Ave over Dry Creek\AutoCAD Sheets\8780-shcs32.dgn



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USER NAME = SOPERATORS	DESIGNED - RKA	REVISED
	CHECKED - SDS	REVISED
PLOT SCALE = 20.000' / in.	DRAWN - GSI	REVISED
PLOT DATE = 11/3/2020	CHECKED - RKA	REVISED

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

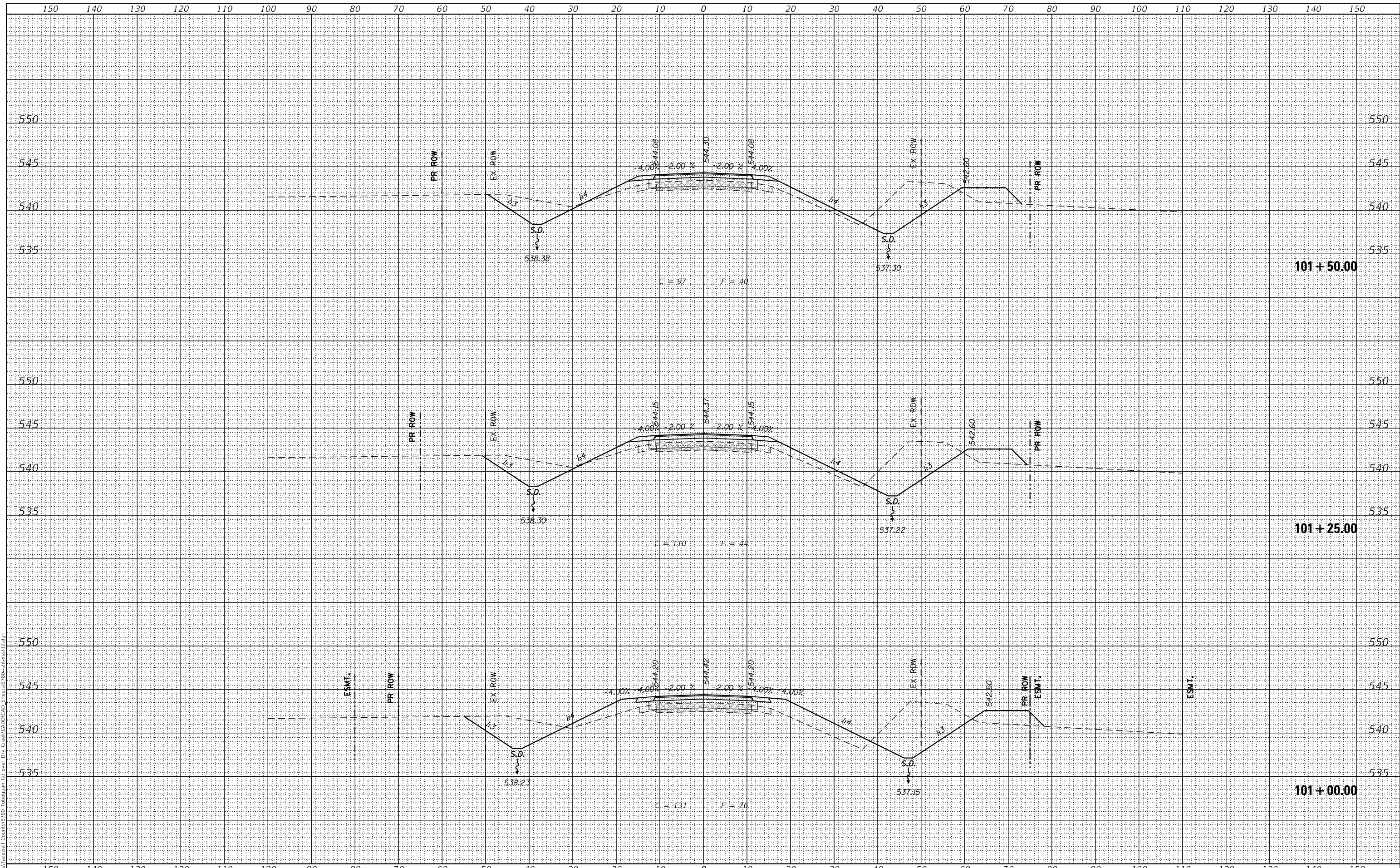
**CROSS SECTIONS
 TOBOGGAN AVE. OVER DRY CREEK**
 SCALE: 1" = 10'
 SHEET 6 OF 14 SHEETS
 STA. 100+25.00 TO STA. 100+75.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
462	16-00099-00-BR	TAZEWELL	32	24
CONTRACT NO. 89720			ILLINOIS FED. AID PROJECT	

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
AREA'S CHECKED	TEMPLATE
	AREAS CHECKED

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
AREA'S CHECKED	TEMPLATE
	AREAS CHECKED

MODEL: Default
 FILE NAME: I:\Projects\Tazewell County\8780 Toboggan Ave over Dry Creek\CADD\CAD Sheets\8780-116-ss-2.dgn
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USER NAME =	SOPERATORS	DESIGNED -	RKA	REVISED	
		CHECKED -	SDS	REVISED	
PLOT SCALE =	20.000' / in.	DRAWN -	GSI	REVISED	
PLOT DATE =	11/3/2020	CHECKED -	RKA	REVISED	

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

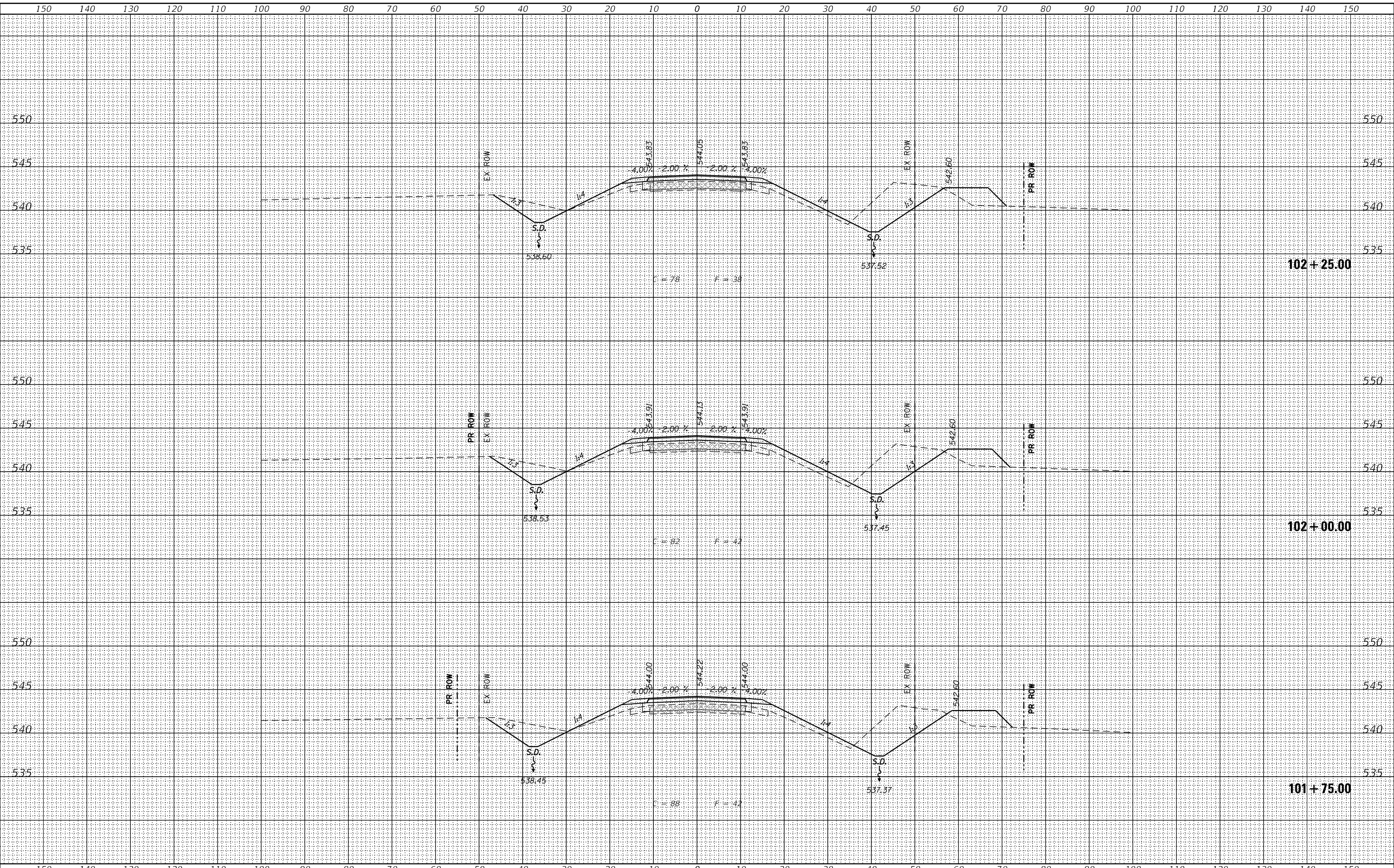
CROSS SECTIONS	
TOBOGGAN AVE. OVER DRY CREEK	
SCALE: 1" = 10'	SHEET 7 OF 14 SHEETS
STA. 101+00.00	TO STA. 101+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
462	16-00099-00-BR	TAZEWELL	32	25
CONTRACT NO. 89720			ILLINOIS FED. AID PROJECT	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
FINAL SURVEY	
NOTE BOOK	
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AREAS CHECKED	

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

MODEL: Default
 FILE NAME: I:\Projects\Tazewell County\8780 Toboggan Ave over Dry Creek\CADD\CAD Sheets\8780-116-ss-12.dgn
 design firm
 no. 184001036



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USER NAME = SOPERATORS	DESIGNED - RKA	REVISED
	CHECKED - SDS	REVISED
PLOT SCALE = 20,000' / in.	DRAWN - GSI	REVISED
PLOT DATE = 11/3/2020	CHECKED - RKA	REVISED

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

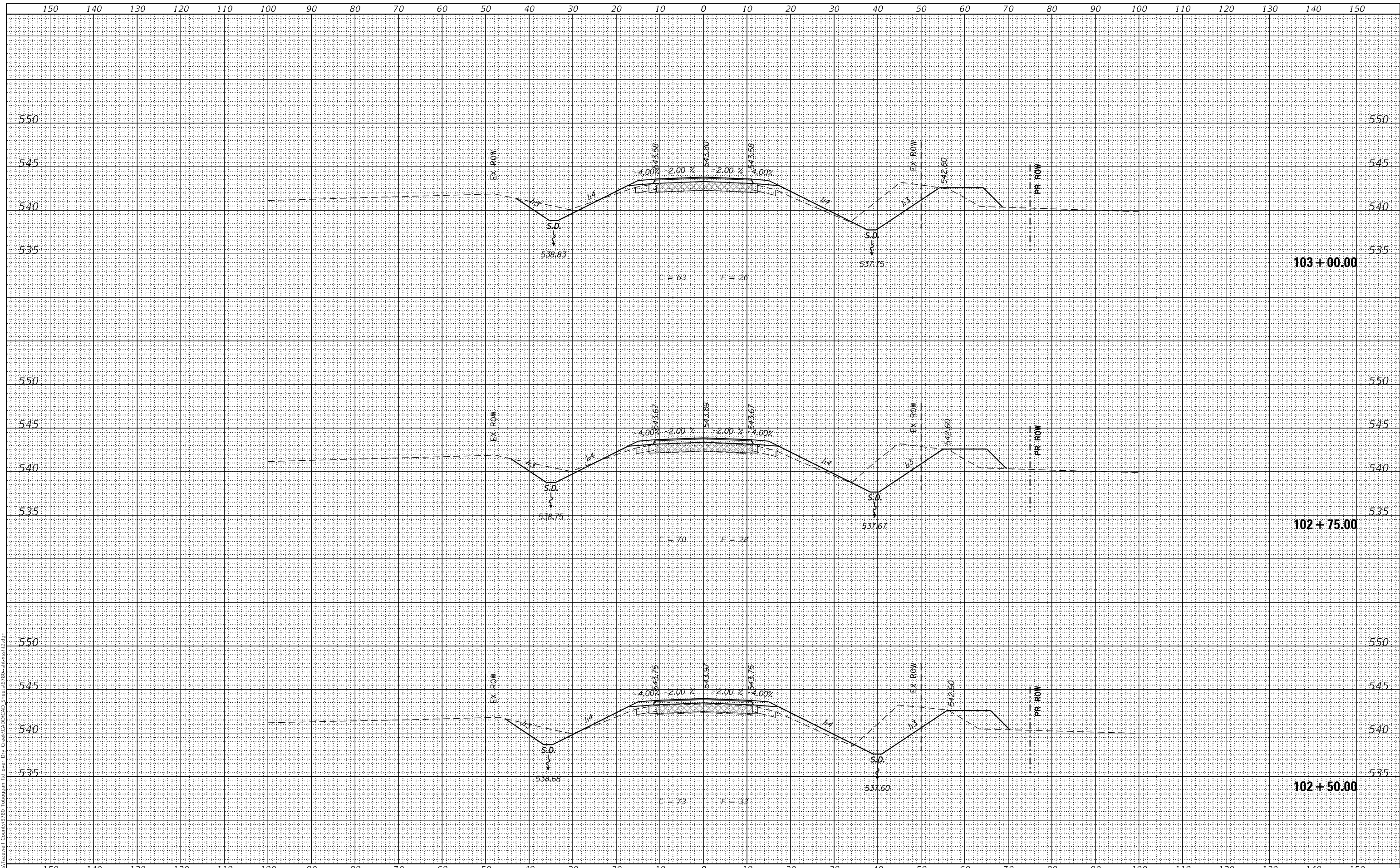
CROSS SECTIONS
 TOBOGGAN AVE. OVER DRY CREEK
 SCALE: 1" = 10'
 SHEET 8 OF 14 SHEETS
 STA. 101+75.00 TO STA. 102+25.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
462	16-00099-00-BR	TAZEWELL	32	26
CONTRACT NO. 89720			ILLINOIS FED. AID PROJECT	

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
AREA'S CHECKED	TEMPLATE
	AREAS CHECKED

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
AREA'S CHECKED	TEMPLATE
	AREAS CHECKED

MODEL: Default
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USER NAME =	SOPERATORS	DESIGNED -	RKA	REVISED	
		CHECKED -	SDS	REVISED	
PLOT SCALE =	20.000' / in.	DRAWN -	GSI	REVISED	
PLOT DATE =	11/3/2020	CHECKED -	RKA	REVISED	

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

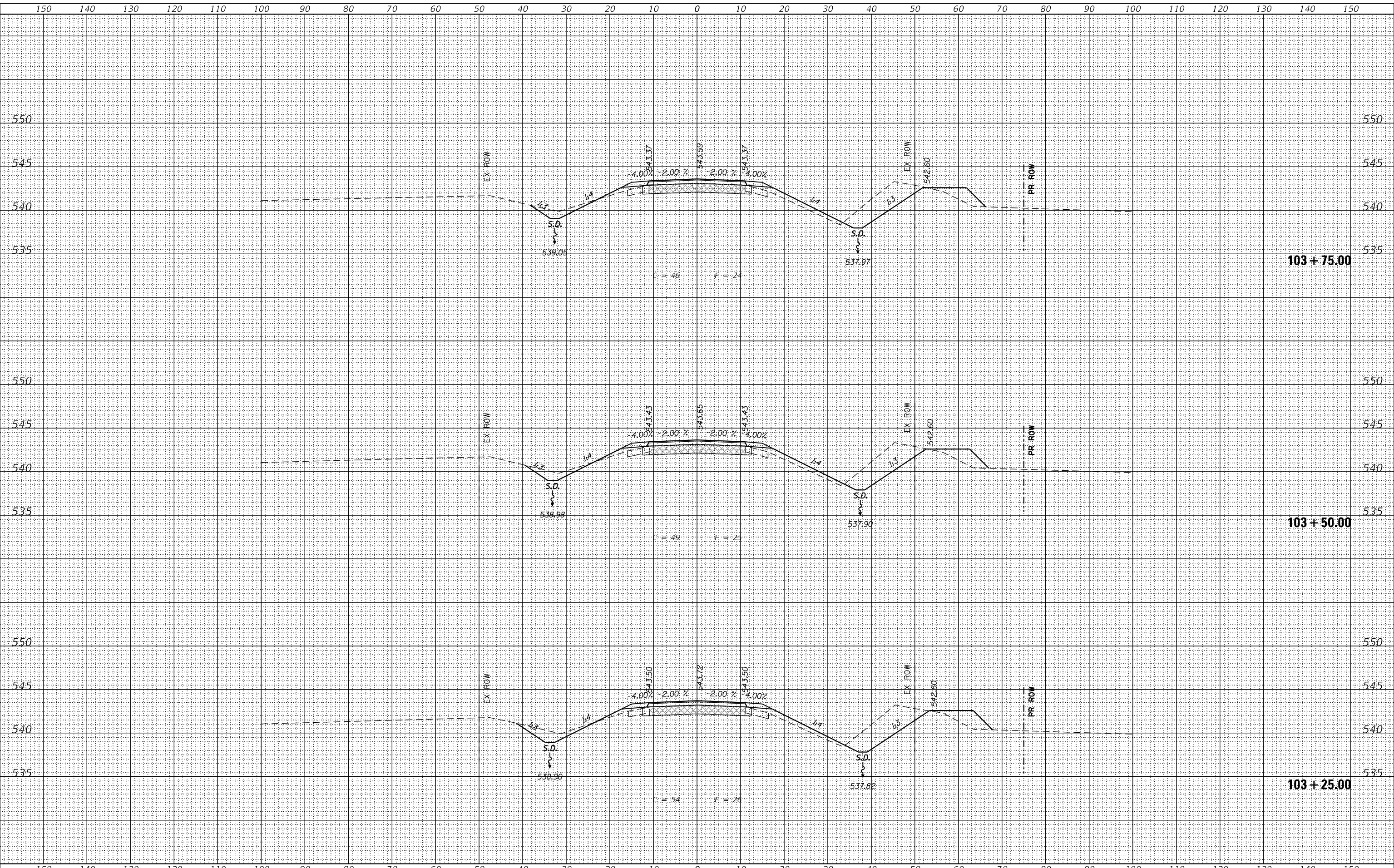
**CROSS SECTIONS
 TOBOGGAN AVE. OVER DRY CREEK**
 SCALE: 1" = 10'
 SHEET 9 OF 14 SHEETS
 STA. 102+50.00 TO STA. 103+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
462	16-00099-00-BR	TAZEWELL	32	27
			CONTRACT NO. 89720	
		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: I:\Projects\Tazewell County\8780 Toboggan Ave over Dry Creek\CAUD\CAD Sheets\8780-shcs32.dgn
 Design firm no. 184001036



USER NAME	= SOPERATORS
DESIGNED	- RKA
CHECKED	- SDS
PLOT SCALE	= 20.000' / in.
PLOT DATE	= 11/3/2020

DESIGNED	- RKA	REVISED	
CHECKED	- SDS	REVISED	
DRAWN	- GSI	REVISED	
CHECKED	- RKA	REVISED	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
TOBOGGAN AVE. OVER DRY CREEK**

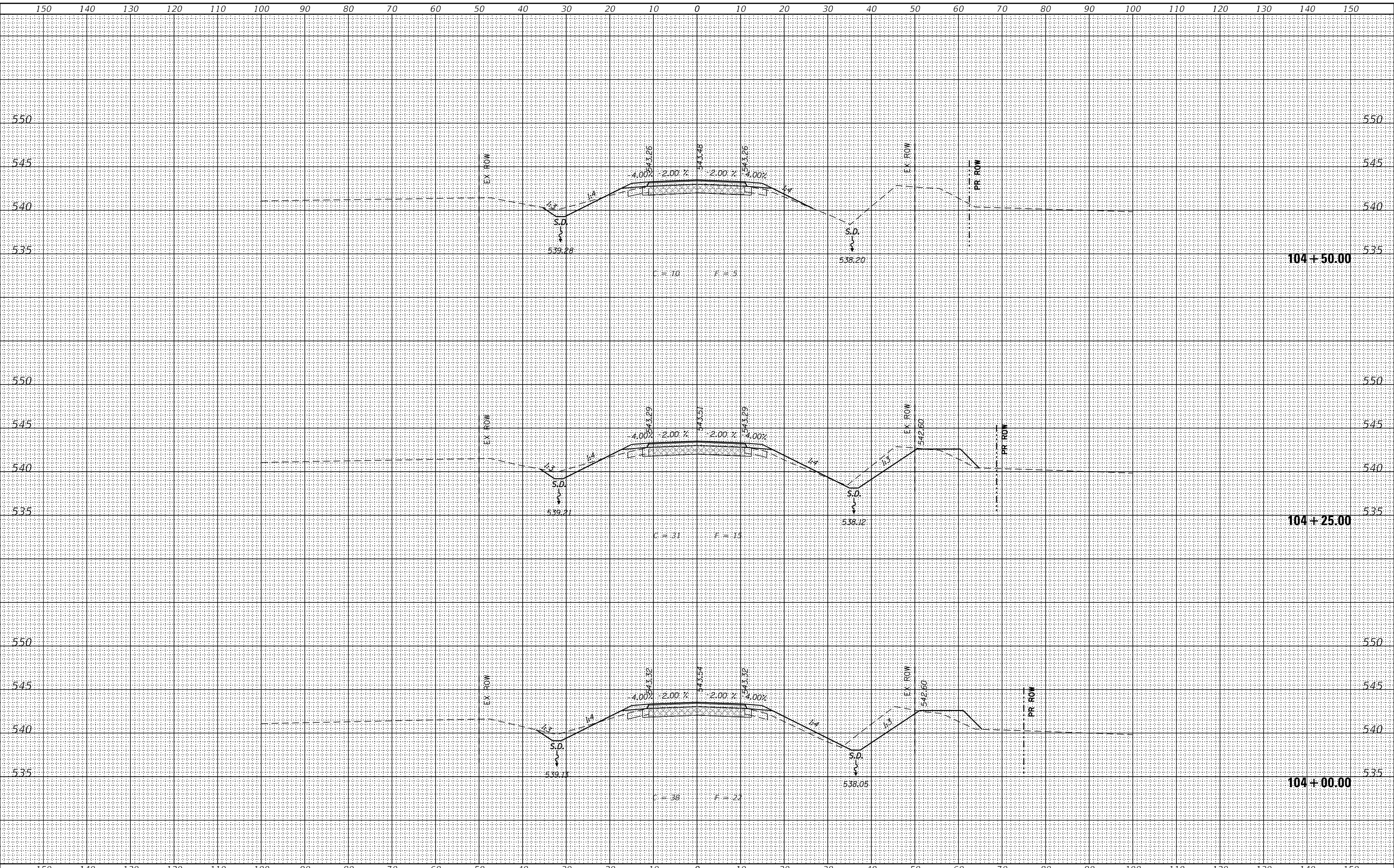
SCALE: 1" = 10' SHEET 10 OF 14 SHEETS STA. 103+25.00 TO STA. 103+75.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
462	16-00099-00-BR	TAZEWELL	32	28
				CONTRACT NO. 89720
		ILLINOIS	FED. AID PROJECT	

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
AREA'S	TEMPLATE
CHECKED	AREAS

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
AREA'S	TEMPLATE
CHECKED	AREAS

MODEL: Default
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 Design firm no. 184001036



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USER NAME = SOPERATORS	DESIGNED - RKA	REVISED
	CHECKED - SDS	REVISED
PLOT SCALE = 20.000' / in.	DRAWN - GSI	REVISED
PLOT DATE = 11/3/2020	CHECKED - RKA	REVISED

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

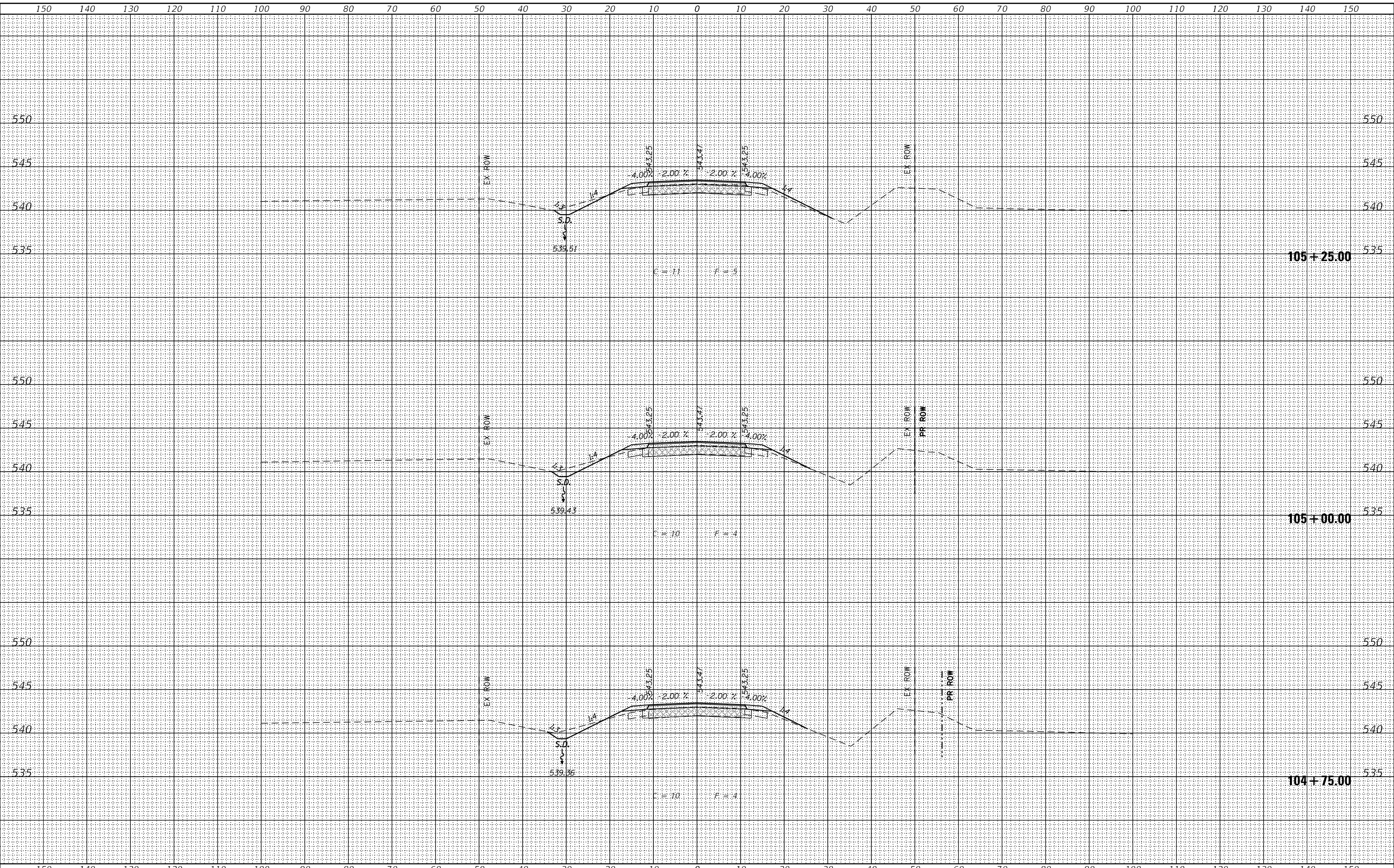
CROSS SECTIONS	
TOBOGGAN AVE. OVER DRY CREEK	
SCALE: 1" = 10'	SHEET 11 OF 14 SHEETS
STA. 104+00.00	TO STA. 104+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
462	16-00099-00-BR	TAZEWELL	32	29
CONTRACT NO. 89720			ILLINOIS FED. AID PROJECT	

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
AREA'S CHECKED	TEMPLATE
	AREAS CHECKED

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
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AREA'S CHECKED	TEMPLATE
	AREAS CHECKED

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 Design firm no. 184001036



USER NAME	= SOPERATORS
DESIGNED	- RKA
CHECKED	- SDS
PLOT SCALE	= 20.000' / in.
PLOT DATE	= 11/3/2020
DRAWN	- GSI
CHECKED	- RKA

REVISOR	-	REVISION
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REVISOR	-	REVISION
REVISOR	-	REVISION

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 TOBOGGAN AVE. OVER DRY CREEK**

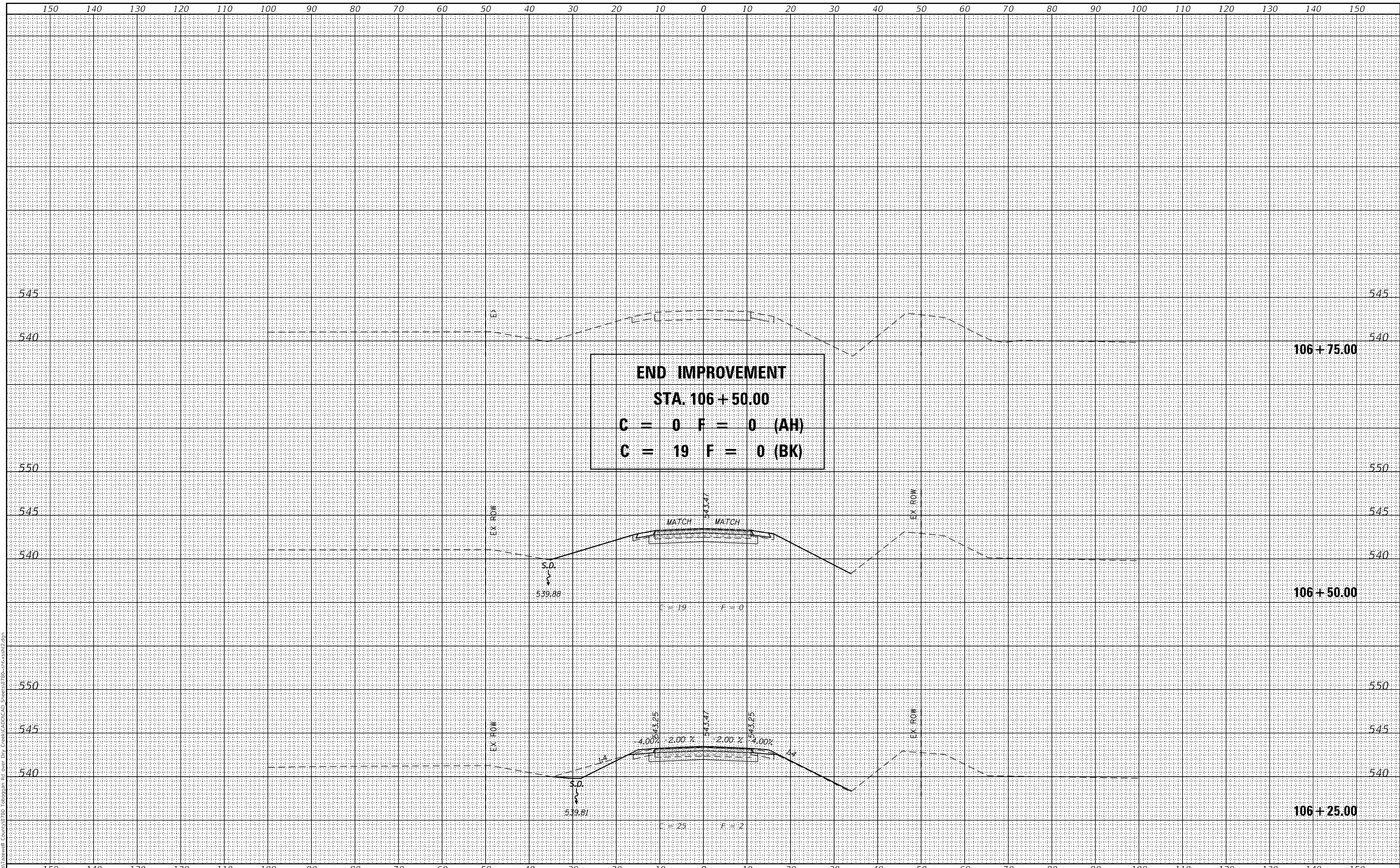
SCALE: 1" = 10' SHEET 12 OF 14 SHEETS STA. 104+75.00 TO STA. 105+25.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
462	16-00099-00-BR	TAZEWELL	32	30
			CONTRACT NO. 89720	
		ILLINOIS	FED. AID PROJECT	

DATE	
BY	
FINAL SURVEY	
SURVEYED	
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TEMPLATE	
NOTE BOOK	
AREAS	
CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
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TEMPLATE	
NOTE BOOK	
AREAS	
CHECKED	

MODEL: Default
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END IMPROVEMENT
STA. 106 + 50.00
C = 0 F = 0 (AH)
C = 19 F = 0 (BK)

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USER NAME = SOPERATORS	DESIGNED - RKA	REVISED
	CHECKED - SDS	REVISED
PLOT SCALE = 20.000' / in.	DRAWN - GSJ	REVISED
PLOT DATE = 11/3/2020	CHECKED - RKA	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
TOBOGGAN AVE. OVER DRY CREEK

SCALE: 1" = 10' SHEET 14 OF 14 SHEETS STA. 106+25.00 TO STA. 106+75.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
462	16-00099-00-BR	TAZEWELL	32	32
CONTRACT NO. 89720			ILLINOIS FED. AID PROJECT	