

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

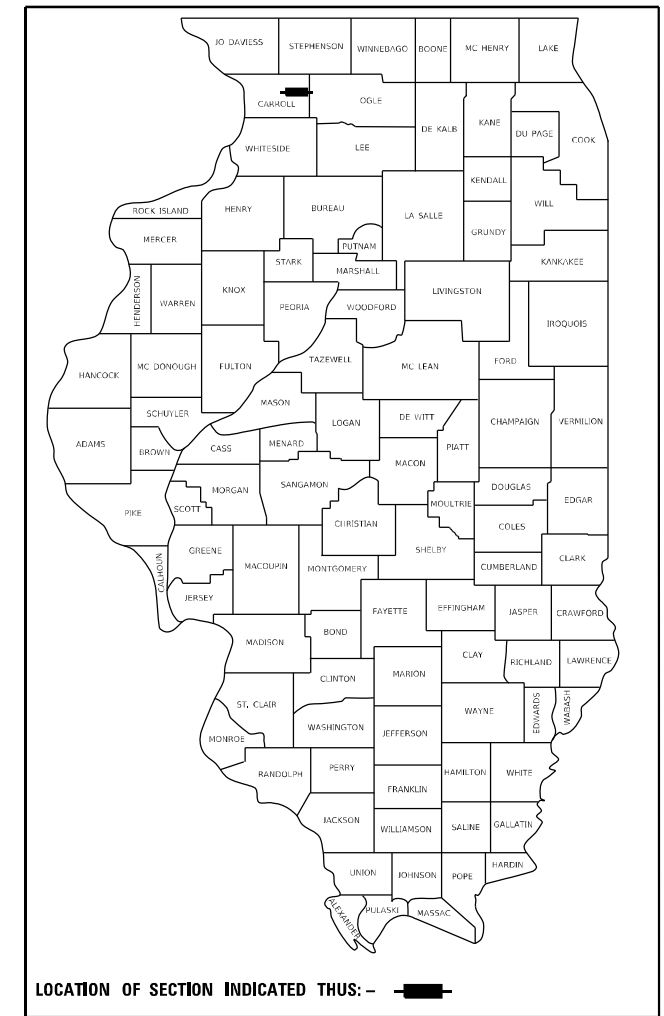
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	15CR	CARROLL	73	1
		ILLINOIS	CONTRACT NO. 64M17	

INDEX OF SHEETS  
FOR INDEX OF SHEETS, SEE SHEET NO. 2

**PROPOSED  
HIGHWAY PLANS**

FAP ROUTE 17 (US 52 /IL 64)  
SECTION 15CR & SR  
PROJECT STP-HSIP-RRG6(578)  
**CULVERT REPLACEMENT – 0.5 MILES EAST OF GRANGE RD., EAST OF LANARK  
NEW SHOULDERS, MILLED RUMBLE STRIPS, SAFETY IMPROVEMENTS –  
0.5 MILES TO 1.0 MILES EAST OF GRANGE RD.  
CARROLL COUNTY**  
C-92-073-21

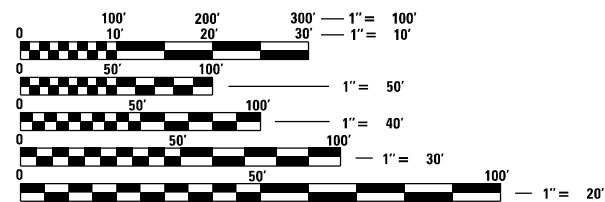
D-92-025-17



**HIGHWAY CLASSIFICATION:**  
MINOR ARTERIAL

**TRAFFIC VOLUMES:**  
2017 ADT = 1,350 (25.9% TRUCKS)  
2022 ADT = 1,450 (74% PV, 7% SU, 19% MU)

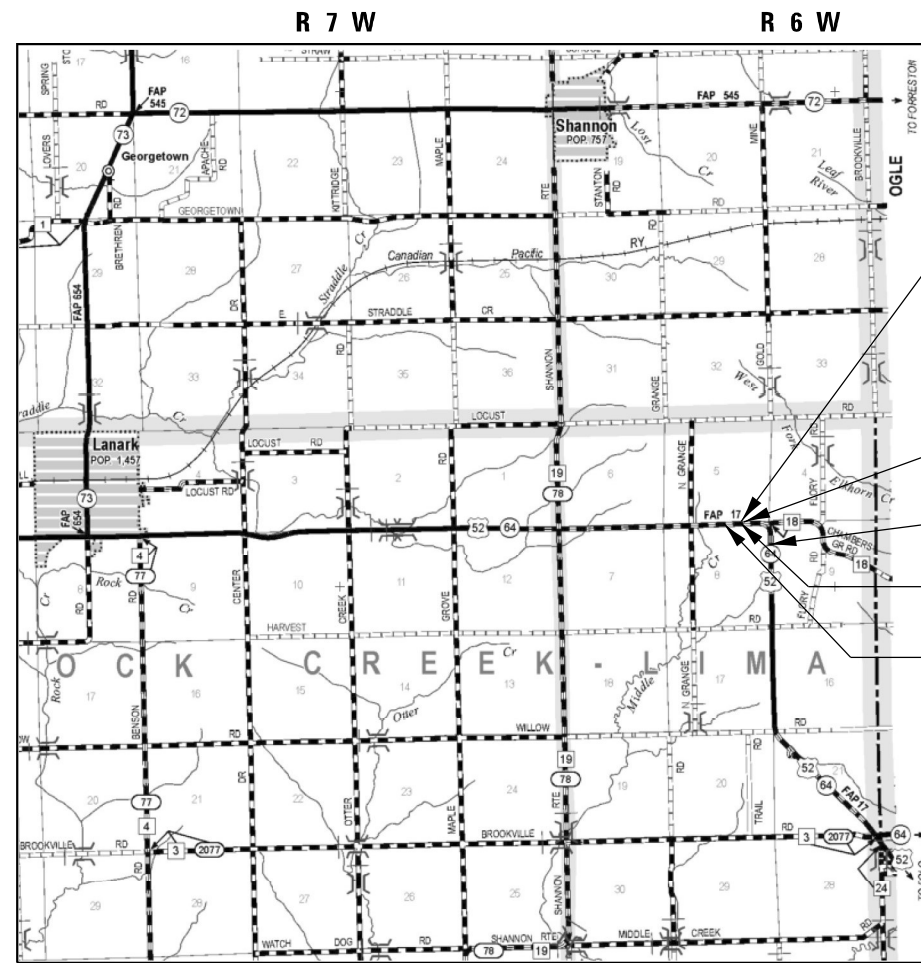
**TOWNSHIP INFORMATION:**  
LIMA; R6W, T24N  
(SECTIONS 5,8,9)



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 EXCAVATORS  
1-800-892-0123  
OR 811

**PROJECT MANAGER: TERENCE JOHNSON (815) 284-5354**  
Terrence.Johnson @ illinois.gov  
**SENIOR SQUAD LEADER: CHAD SPREEMAN (815) 284-5934**  
Chad.Spreeman @ illinois.gov  
**CONTRACT NO. 64M17**

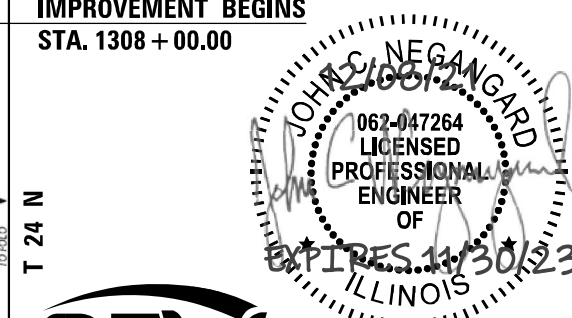
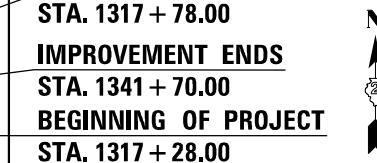


LOCATION MAP

GROSS LENGTH = 50.00 FT. = 0.009 MILE  
NET LENGTH = 50.00 FT. = 0.009 MILE

**STATION 1317 + 53.29**  
PROPOSED BOX CULVERT REPLACEMENT  
(EXISTING 6'X4' RC BOX CULVERT,  
EXISTING S.N. 008-1031;  
PROPOSED 11'X4' RC BOX CULVERT,  
PROPOSED S.N. 008-1132)

**END OF PROJECT**  
STA. 1317 + 78.00  
**IMPROVEMENT ENDS**  
STA. 1341 + 70.00  
**BEGINNING OF PROJECT**  
STA. 1317 + 28.00  
**IMPROVEMENT BEGINS**  
STA. 1308 + 00.00



**BFW**  
BACON | FARMER | WORKMAN  
ENGINEERING & TESTING, INC.  
1215 OULIGO DRIVE MURRAY, KENTUCKY 42071 PHONE • 270.753.7307  
300 SOUTH 17th STREET PADUCAH, KENTUCKY 42203 PHONE • 270.443.1985  
403 NORTH COURT STREET MARION, ILLINOIS 62959 PHONE • 618.997.8190  
WWW.BFWENGINEERS.COM

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED 12/08 20 21

*David Alford*  
REGIONAL ENGINEER

March 25 2022  
*[Signature]*  
ENGINEER OF DESIGN AND ENVIRONMENT

March 23 2022  
*Stephen M. Lewis*  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS**

# INDEX OF SHEETS, HIGHWAY STANDARDS

## INDEX OF SHEETS

SHEET #	DESCRIPTION
1	COVER SHEET
2-3	GENERAL NOTES, HIGHWAY STANDARDS,
4-8	SUMMARY OF QUANTITIES
9-10	TYPICAL SECTIONS
11	ALIGNMENT, CROSS TIES, BENCHMARKS
12-16	SCHEDULES OF QUANTITIES
17-20	PLAN & PROFILE SHEETS
21-22	R.O.W. PLANS
23-24	EROSION AND SEDIMENT CONTROL PLANS
25-27	CULVERT PLANS - 008-1132
28-29	SIGNING AND PAVEMENT MARKING PLANS
30	TRAFFIC DETOUR PLANS
31-42	DISTRICT 2 STANDARDS RIPRAP AT END SECTIONS (19.4) HOT-MIX ASPHALT SHOULDER (22.4) DELINEATOR AND POST ORIENTATION (37.4) TYPICAL BENCHING ON EXISTING EMBANKMENT (50.4) FIELD TILE JUNCTION VAULTS 2' AND 3' DIA. (30.2) TREATMENT OF FIELD TILE SYSTEMS UNDER DITCHES (31.2) PERMANENT SURVEY MARKERS (66.2) BOX CULVERT END SECTIONS (10.1) TRAVERSABLE PIPE GRATE FOR BOX CULVERT END SECTIONS (13.1) HOT-MIX ASPHALT APPROACHES AND MAILBOX RETURNS (20.1) TRAFFIC CONTROL FOR ROAD CLOSURE (40.1) TYPICAL PAVEMENT MARKINGS (41.1)
43-73	CROSS SECTIONS - US 52 /IL 64

## LIST OF HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREA OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
442201-03	CLASS C AND D PATCHES
515001-04	NAME PLATE FOR BRIDGES
635001-02	DELINEATORS
642006-01	SHOULDER RUMBLE STRIPS, 8"
666001-01	RIGHT-OF-WAY MARKERS
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 M) AWAY
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701011-04	OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS > 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701326-04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS > 45 MPH
701901-08	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS, AND DELINEATORS
728001-01	TELESCOPING STEEL SIGN SUPPORT
729001-01	APPLICATIONS OF TYPES A AND B METAL POSTS (FOR SIGNS & MARKERS)
701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS =/> 45 MPH

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



# SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	STP	HSIP
				CONSTR. CODE	CONSTR. CODE
				80% FED 20% STATE ROADWAY	90% FED 10% STATE SAFETY
				0004 RURAL	0021 RURAL
20200100	EARTH EXCAVATION	CU YD	3130	890	2240
20800150	TRENCH BACKFILL	CU YD	186	186	
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	9321	3339	5982
21301052	EXPLORATION TRENCH 52" DEPTH	FOOT	400	400	
25000210	SEEDING, CLASS 2A	ACRE	1.3	0.6	0.7
25000310	SEEDING, CLASS 4	ACRE	1.8	0.5	1.3
25000750	MOWING	ACRE	1.3	0.6	0.7
25100125	MULCH, METHOD 3	ACRE	2.6	0.9	1.7
25100630	EROSION CONTROL BLANKET	SQ YD	1892	225	1667
25100900	TURF REINFORCEMENT MAT	SQ YD	555	555	
28000200	EARTH EXCAVATION FOR EROSION CONTROL	CU YD	50	50	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	310	110	200
28000305	TEMPORARY DITCH CHECKS	FOOT	800	200	600
28000400	PERIMETER EROSION BARRIER	FOOT	650	200	450

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PLOT DATE = 12/8/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES  
US 52 /IL 64**

SCALE: SHEET 1 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	15CR & SR	CARROLL	73	4
CONTRACT NO. 64M17				
ILLINOIS FED. AID PROJECT				

# SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	STP	HSIP
				CONSTR. CODE	CONSTR. CODE
				80% FED 20% STATE ROADWAY	90% FED 10% STATE SAFETY
				0004 RURAL	0021 RURAL
28001000	AGGREGATE (EROSION CONTROL)	TON	30	30	
28100209	STONE RIPRAP, CLASS A5	SQ YD	119	119	
28200200	FILTER FABRIC	SQ YD	119	119	
35102000	AGGREGATE BASE COURSE, TYPE B 8"	SQ YD	220	118	102
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	632	80	552
40604050	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	TON	118	15	103
44201383	CLASS C PATCHES, TYPE IV, 12 INCH	SQ YD	178	178	
48100700	AGGREGATE SHOULDERS, TYPE A 8"	SQ YD	840		840
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	43		43
48203023	HOT-MIX ASPHALT SHOULDERS, 6 1/2"	SQ YD	1227		1227
50100300	REMOVAL OF EXISTING STRUCTURES NO. 1	EACH	1	1	
50105220	PIPE CULVERT REMOVAL	FOOT	20	20	
50200450	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR STRUCTURES	CU YD	77	77	
51500100	NAME PLATES	EACH	1	1	

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# SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	STP	HSIP
				CONSTR. CODE	CONSTR. CODE
				80% FED 20% STATE ROADWAY	90% FED 10% STATE SAFETY
				0004 RURAL	0021 RURAL
54001001	BOX CULVERT END SECTIONS, CULVERT NO. 1	EACH	2	2	
54011104	PRECAST CONCRETE BOX CULVERTS 11' X 4'	FOOT	89	89	
54260315	TRAVERSABLE PIPE GRATE FOR CONCRETE END SECTION	FOOT	129	129	
61133100	FIELD TILE JUNCTION VAULTS, 2' DIA.	EACH	2	2	
61133200	FIELD TILE JUNCTION VAULTS, 3' DIA.	EACH	2	2	
61139900	STORM SEWERS (SPECIAL), 6"	FOOT	210	210	
61140200	STORM SEWERS (SPECIAL), 12"	FOOT	210	210	
63200310	GUARDRAIL REMOVAL	FOOT	250	250	
63500105	DELINEATORS	EACH	2	2	
64200108	SHOULDER RUMBLE STRIPS, 8 INCH	FOOT	4900		4900
*	66600105 FURNISHING AND ERECTING RIGHT OF WAY MARKERS	EACH	27	11	16
*	66700305 PERMANENT SURVEY MARKERS, TYPE II	EACH	1	1	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6	
67100100	MOBILIZATION	L SUM	1	0.6	0.4

\*= SPECIALTY ITEM

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# SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	STP	HSIP
				CONSTR. CODE	CONSTR. CODE
				80% FED 20% STATE	90% FED 10% STATE
				ROADWAY 0004 RURAL	SAFETY 0021 RURAL
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1	
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1		1
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	15	5	10
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	42	42	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	16	16	
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	3	3	
* 72000100	SIGN PANEL - TYPE I	SQ FT	149		149
* 72000200	SIGN PANEL - TYPE 2	SQ FT	21		21
* 72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	13		13
* 72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	FOOT	2		2
73000100	WOOD SIGN SUPPORT	FOOT	338		338
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	18490	320	18170
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	22		22
X2010400	STUMP REMOVAL ONLY	UNIT	36	36	

\* = SPECIALTY ITEM

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PLOT DATE = 12/8/2021	DATE -	REVISED -		TO STA.				CONTRACT NO. 64M17				
							ILLINOIS FED. AID PROJECT					

# SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	STP	HSIP
				CONSTR. CODE	CONSTR. CODE
				80% FED 20% STATE ROADWAY	90% FED 10% STATE SAFETY
				0004 RURAL	0021 RURAL
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1	
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	0.9	0.1
* Z0054400	ROCKFILL	CU YD	77	77	

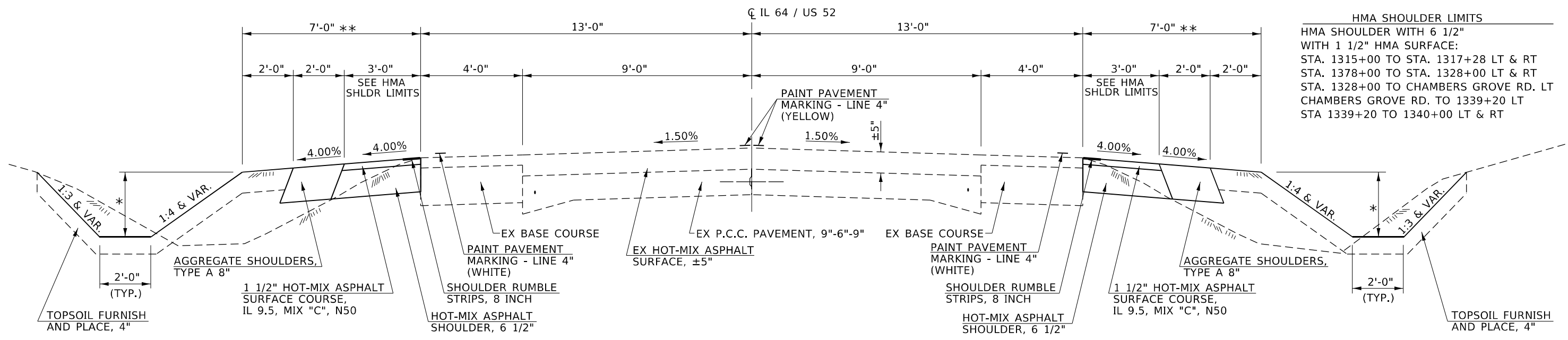
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SCALE:      SHEET 5 OF 5 SHEETS      STA.      TO STA.				CONTRACT NO. 64M17 ILLINOIS FED. AID PROJECT					



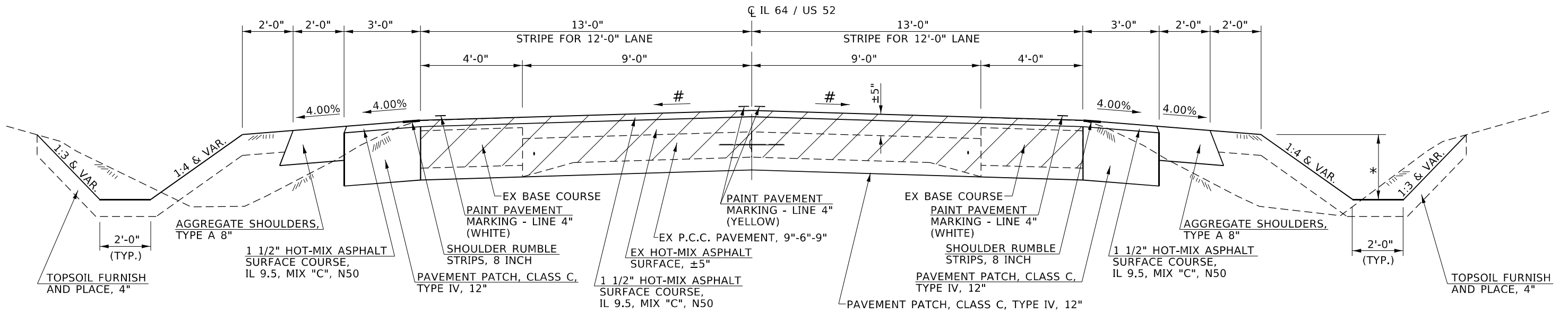
TYPICAL SECTIONS



\* - STANDARD DEPTH DITCH:  
 24" DEPTH - STA. 1319+50 TO STA. 1330+50 LEFT  
 STA. 1324±25 TO STA. 1327±80 RIGHT  
 18" DEPTH - STA. 1332±75 TO STA. 1339±75 LEFT  
 STA. 1339+00 TO STA. 1340±25 RIGHT

TYPICAL CROSS SECTION  
 STA. 1315+00.00 TO STA. 1317+28.00  
 STA. 1317+78.00 TO STA. 1325+50.00  
 STA. 1339+15.00 TO STA. 1340+50.00

\*\* - EARTH SHOULDER WIDTH TRANSITIONS:  
 0'-0" TO 7'-0" @ STA. 1314+75 TO STA. 1315+00, LT & RT  
 7'-0" TO 0'-0" @ STA. 1340+00 TO STA. 1340+25, LT & RT



# - MAINTAIN EXISTING X-SLOPE (MIN. 1/8" PER FOOT)  
 112#/SQ YD/IN

TYPICAL CROSS SECTION  
 STA. 1317+28.00 TO STA. 1317+78.00

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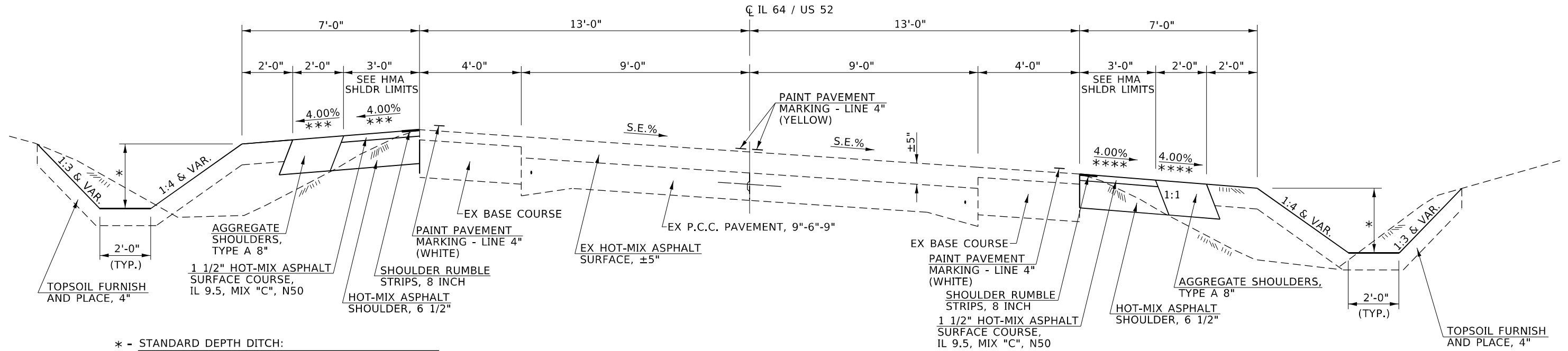
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

US 52 / IL 64 TYPICAL CROSS SECTIONS	
SCALE:	SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE. 17	SECTION 15CR & SR	COUNTY CARROLL	TOTAL SHEETS 73	SHEET NO. 9
CONTRACT NO. 64M17				
ILLINOIS FED. AID PROJECT				

TYPICAL SECTIONS



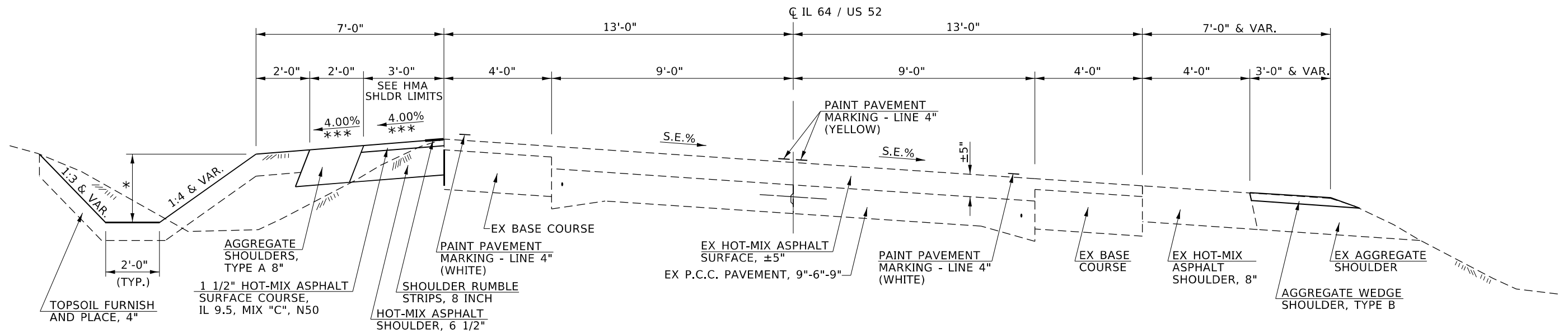
**TYPICAL CROSS SECTION**  
STA. 1325+50.00 TO STA. 1328+00.00

\*\*\*\* SLOPE SHALL BE THE SAME AS THE SUPERELEVATION RATE BUT NOT LESS THAN 4%.

\* - STANDARD DEPTH DITCH:  
24" DEPTH - STA. 1319+50 TO STA. 1330+50 LEFT  
STA. 1324±25 TO STA. 1327±80 RIGHT  
18" DEPTH - STA. 1332±75 TO STA. 1339±75 LEFT  
STA. 1339+00 TO STA. 1340±25 RIGHT

\*\*\* WHEN THE SUPERELEVATION RATE OF THE PAVEMENT IS BETWEEN 0% AND 4%, THE SHOULDER SHALL BE SLOPED AT 4%. WHEN THE SUPERELEVATION RATE OF THE PAVEMENT EXCEEDS 4%, THE SHOULDER SHALL BE SLOPED SO THAT THE ALGEBRAIC DIFFERENCE BETWEEN PAVEMENT AND SHOULDER WILL NOT BE GREATER THAN 8%.

**HMA SHOULDER LIMITS**  
HMA SHOULDER WITH 6 1/2" WITH 1 1/2" HMA SURFACE:  
STA. 1315+00 TO STA. 1317+28 LT & RT  
STA. 1378+00 TO STA. 1328+00 LT & RT  
STA. 1328+00 TO CHAMBERS GROVE RD. TO 1339+20 LT  
CHAMBERS GROVE RD. TO 1339+20 LT  
STA 1339+20 TO 1340+00 LT & RT



**TYPICAL CROSS SECTION**  
STA. 1327+28.00 TO STA. 1339+15.00

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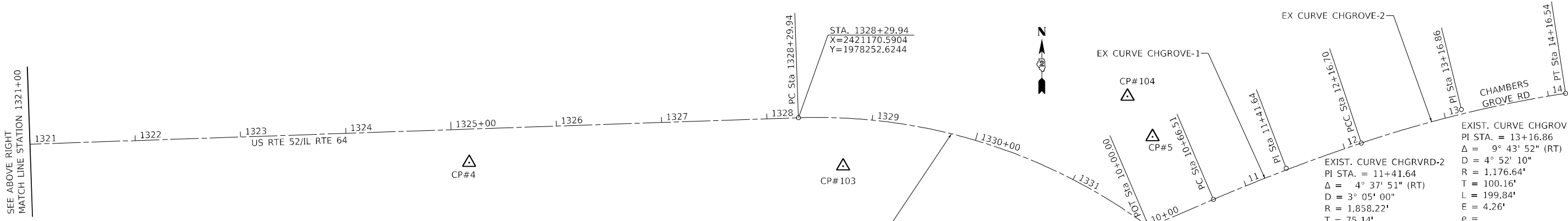
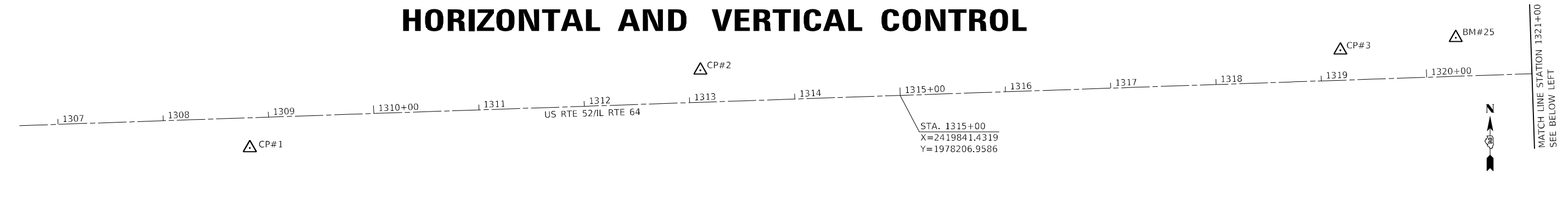
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**US 52 / IL 64**  
**TYPICAL CROSS SECTIONS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	15CR & SR	CARROLL	73	10
CONTRACT NO. 64M17				
ILLINOIS FED. AID PROJECT				

# HORIZONTAL AND VERTICAL CONTROL



**BEGINNING CHAIN US52 DESCRIPTION**  
 =====  
 COURSE FROM PT WES01500 TO PC WES01510 N 88° 01' 56.17" E DIST 4,543.82

**EX CURVE US52-1**  
 P.I. STATION 1333+68.30 N 1,978,271.11 E 2,421,708.63  
 DELTA = 91° 02' 53.84" (RT)  
 DEGREE = 10° 50' 20.96"  
 TANGENT = 538.36  
 LENGTH = 839.99  
 RADIUS = 528.60  
 P.C. STATION 1328+29.94 N 1,978,252.62 E 2,421,170.59  
 P.T. STATION 1336+69.94 N 1,977,732.82 E 2,421,717.27

**ENDING CHAIN US52 DESCRIPTION**  
 =====

**BEGINNING CHAIN CHAMBERSGRVRD DESCRIPTION**  
 =====  
 POINT WES11 N 1,978,149.07 E 2,421,503.41 STA 10+00.00

**EX CURVE CHGROVE-1**  
 P.I. STATION 11+41.64 N 1,978,204.77 E 2,421,633.64  
 DELTA = 4° 37' 51.47" (RT)  
 DEGREE = 3° 05' 00.14"  
 TANGENT = 75.14  
 LENGTH = 150.19  
 RADIUS = 1,858.22  
 P.C. STATION 10+66.51 N 1,978,175.22 E 2,421,564.56  
 P.T. STATION 12+16.70 N 1,978,228.64 E 2,421,704.89

**EX CURVE CHGROVE-2**  
 P.I. STATION 13+16.86 N 1,978,260.47 E 2,421,799.86  
 DELTA = 9° 43' 52.26" (RT)  
 DEGREE = 4° 52' 10.00"  
 TANGENT = 100.16  
 LENGTH = 199.84  
 RADIUS = 1,176.64  
 EXTERNAL = 4.26  
 LONG CHORD = 199.60  
 MID. ORD. = 4.24  
 P.C. STATION 12+16.70 N 1,978,228.64 E 2,421,704.89  
 P.T. STATION 14+16.54 N 1,978,275.78 E 2,421,898.84

**ENDING CHAIN CHAMBERSGRVRD DESCRIPTION**  
 =====

US RTE 52 - ALIGNMENT						
POINTS	NORTHING	EASTING	ELEVATION	STATION	OFFSET	DESCRIPTION
BM-25	1978261.6410	2420368.7980	948.0900	1320+28.9	36.5 LT	DISK
CP-1	1978157.0970	2419224.0320	956.9260	1308+81.2	28.6 RT	5/8" PIN
CP-2	1978230.8090	2419651.7640	951.7210	1313+11.3	30.3 LT	5/8" PIN
CP-3	1978249.7660	2420259.2930	943.2853	1319+19.1	28.4 LT	5/8" PIN
CP-4	1978210.1490	2420858.0050	962.2809	1325+16.1	31.7 RT	5/8" PIN
CP-5	1978234.5280	2421506.7330	983.9160	1331+42.7	72.6 LT	5/8" PIN
CP-6	1977684.1430	2421743.1780	988.2021	1337+19.0	25.1 LT	5/8" PIN
CP-103	1978206.7400	2421213.0470	978.0940	1328+74.7	45.6 RT	60D NAIL
CP-104	1978272.9340	2421482.9600	982.9750	1331+08.3	93.9 LT	60D NAIL

**EXIST. CURVE US52\_1**  
 PI STA. = 1333+68.30  
 Δ = 91° 02' 54" (RT)  
 D = 10° 50' 21"  
 R = 528.60'  
 T = 538.36'  
 L = 839.99'  
 E = 225.89'  
 e = \_\_\_\_\_  
 T.R. = \_\_\_\_\_  
 S.E. RUN = \_\_\_\_\_  
 P.C. STA. = 1328+29.94  
 P.T. STA. = 1336+69.94

**EXIST. CURVE CHGRVRD-2**  
 PI STA. = 11+41.64  
 Δ = 4° 37' 51" (RT)  
 D = 3° 05' 00"  
 R = 1,858.22'  
 T = 75.14'  
 L = 150.19'  
 E = 1.52'  
 e = \_\_\_\_\_  
 T.R. = \_\_\_\_\_  
 S.E. RUN = \_\_\_\_\_  
 P.C. STA. = 10+66.51  
 P.T. STA. = 12+16.70

STA. 1338+00  
 X=2421719.3598  
 Y=1977602.7721

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	DRAWN -	REVISED -
PLOT SCALE = 200,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/7/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

ALIGNMENT, TIES, & BENCHMARKS			
US 52 / IL 64			
SCALE:	SHEET 1 OF 1 SHEETS	STA. 1307+00.00 TO STA. 1338+00.00	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	15CR & SR	CARROLL	73	11
CONTRACT NO. 64M17				
ILLINOIS FED. AID PROJECT				



# SCHEDULE OF QUANTITIES

48102100      AGGREGATE WEDGE SHOULDER, TYPE B

STA	TO	STA	LENGTH (FOOT)	WIDTH (FOOT)	ESTIMATED DEPTH (INCH)	TON
RT 1328+00		RT 1339+20	1120.0	3.0	2.0	42.5
TOTAL TON						43

48203023      HOT-MIX ASPHALT SHOULDERS, 6 1/2"

STA	TO	STA	LENGTH (FOOT)	WIDTH (FOOT)	SQ YD
LT 1315+00		LT 1317+28	228.0	3.0	76.0
LT 1317+78		LT 1320+00	222.0	3.0	74.0
LT 1320+00	*	LT 1340+00	1900.0	3.0	633.3
RT 1315+00		RT 1317+28	228.0	3.0	76.0
RT 1317+78		RT 1320+00	222.0	3.0	74.0
RT 1320+00		RT 1328+00	800.0	3.0	266.7
RT 1339+20		RT 1340+00	80.0	3.0	26.7
* 100 FOOT OMISSION FOR CHAMBERS GROVE RD					
TOTAL SQ YD					1227

50100300      REMOVAL OF EXISTING STRUCTURES NO. 1

STA	EACH	
1317+53	1.0	
TOTAL EACH		1

50105220      PIPE CULVERT REMOVAL

STA	FOOT	
LT 1319+06	20.0	
TOTAL FT		20

50200450      REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR STRUCTURES

STA	CU YD	
UNDER BOX CULVERT 1317+53	77.0	
TOTAL CU YD		77

54001001      BOX CULVERT END SECTIONS, CULVERT NO. 1

STA	EACH	
LT 1317+53	1.0	
RT 1317+53	1.0	
TOTAL EACH		2

54011104      PRECAST CONCRETE BOX CULVERTS 11' X 4'

STA	FOOT	
1317+53	89.0	
TOTAL FT		89

54260315      TRAVERSABLE PIPE GRATE FOR CONCRETE END SECTION

STA	FOOT	
LT 1317+53	64.3	
RT 1317+53	64.3	
TOTAL FT		129

61133100      FIELD TILE JUNCTION VAULTS, 2' DIA.

STA	EACH	
LT CONTINGENCY	1.0	
RT CONTINGENCY	1.0	
TOTAL EACH		2

61133200      FIELD TILE JUNCTION VAULTS, 3' DIA.

STA	EACH	
LT CONTINGENCY	1.0	
RT CONTINGENCY	1.0	
TOTAL EACH		2

61139900      STORM SEWERS (SPECIAL), 6 "

STA	FOOT	
CONTINGENCY	210	
TOTAL FT		210

61140200      STORM SEWERS (SPECIAL), 12 "

STA	FOOT	
CONTINGENCY	210	
TOTAL FT		210

63200310      GUARDRAIL REMOVAL

STA	FOOT	
LT 1317+53	125.0	
RT 1317+53	125.0	
TOTAL FT		250

63500105      DELINEATORS

STA	OFFSET	COLOR	EACH
LT 1317+59	46' LT	CRYSTAL	1.0
RT 1317+47	47' RT	CRYSTAL	1.0
TOTAL EACH			2

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	DRAWN -	REVISED -
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PLOT DATE = 12/7/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SCHEDULES OF QUANTITIES  
US 52 /IL 64**

SCALE:      SHEET 2 OF 5 SHEETS      STA.      TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	15CR & SR	CARROLL	73	13
				CONTRACT NO. 64M17
		ILLINOIS	FED. AID PROJECT	

# SCHEDULE OF QUANTITIES

64200108 SHOULDER RUMBLE STRIPS, 8 INCH			
STA	TO	STA	FOOT
LT 1315+00		LT 1320+00	500.0
LT 1320+00	*	LT 1340+00	1900.0
RT 1315+00		RT 1320+00	500.0
RT 1320+00		RT 1328+00	800.0
RT 1328+00		RT 1339+20	1120.0
RT 1339+20		RT 1340+00	80.0
* 100 FOOT OMISSION FOR CHAMBERS GROVE RD			
TOTAL FT			4900

66600105 FURNISHING AND ERECTING RIGHT OF WAY MARKERS		
STA	OFFSET	EACH
LT 1314+72.15	39.00' LT	1.0
RT 1314+50.00	35.00' RT	1.0
LT 1317+00.00	75.00' LT	1.0
RT 1317+00.00	75.00' RT	1.0
RT 1317+22.00	110.00' RT	1.0
LT 1317+40.00	100.00' LT	1.0
LT 1317+65.00	100.00' LT	1.0
RT 1317+85.00	110.00' RT	1.0
RT 1318+10.00	70.00' RT	1.0
LT 1319+50.00	65.00' LT	1.0
RT 1319+75.00	35.00' RT	1.0
RT 1321+00.00	35.00' RT	1.0
LT 1327+50.00	55.00' LT	1.0
RT 1328+00.00	60.00' RT	1.0
RT 1329+00.00	36.00' RT	1.0
LT 1329+50.00	45.00' LT	1.0
LT 1331+48.21	61.81' LT	1.0
LT 1332+67.93	51.09' LT	1.0
LT 1334+52.31	45.36' LT	1.0
LT 1335+50.00	45.00' LT	1.0
LT 1336+69.94	40.00' LT	1.0
RT 1338+65.00	33.00' RT	1.0
RT 1339+00.00	44.00' RT	1.0
LT 1339+50.00	40.00' LT	1.0
RT 1340+00.00	44.00' RT	1.0
RT 1340+17.00	33.00' RT	1.0
LT 1340+50.00	33.00' LT	1.0
TOTAL EACH		27

66700305 PERMANENT SURVEY MARKERS, TYPE II		
STA		EACH
NEAR BOX CULVERT		1.0
TOTAL EACH		1

70300100 SHORT TERM PAVEMENT MARKING		
STA		FOOT
BOX CULVERT PATCH		8.0
BOX CULVERT HMA SURFACE		8.0
TOTAL FT		16

70300150 SHORT TERM PAVEMENT MARKING REMOVAL	
STA	SQ FT
BOX CULVERT SURFACE	2.67
TOTAL SQ FT	3

72000100 SIGN PANEL - TYPE 1			
STA	DESCRIPTION	SIZE	SQ FT
1317+85 RT (2 SIGNS)	M1-1200 (52/CARROLL/25)	18"X18"	4.50
1323+50 RT	W1-10R (RT CURVE/SIDE RD)	36"X36"	9.00
1323+50 RT	"CHAMBERS GROVE RD"	36"X15"	3.75
1323+50 RT	W13-1P (40 MPH)	24"X24"	4.00
1328+50 LT (2 SIGNS)	W1-8 (CHEVRON)	24"X30"	10.00
1329+63.35 LT (2 SIGNS)	W1-8 (CHEVRON)	24"X30"	10.00
1331+60 RT	W1-7 (LARGE 2 HEAD ARROW)	48"X24"	8.00
1331+85 LT	R1-1 (STOP)	36"X36"	9.00
1333+20.02 LT	W1-6R (ARROW)	48"X24"	8.00
1333+20.02 LT	W13-1P (40 MPH)	24"X24"	4.00
1330+76.70 LT (2 SIGNS)	W1-8 (CHEVRON)	24"X30"	10.00
1333+03.40 LT (2 SIGNS)	W1-8 (CHEVRON)	24"X30"	10.00
1334+16.75 LT (2 SIGNS)	W1-8 (CHEVRON)	24"X30"	10.00
1334+73.42 LT	W1-6L (ARROW)	48"X24"	8.00
1334+73.42 LT	W13-1P (40 MPH)	24"X24"	4.00
1335+30.10 LT (2 SIGNS)	W1-8 (CHEVRON)	24"X30"	10.00
1336+43.45 LT (2 SIGNS)	W1-8 (CHEVRON)	24"X30"	10.00
1341+70 LT	W1-10L (LT CURVE/SIDE RD)	36"X36"	9.00
1341+70 LT	"CHAMBERS GROVE RD"	36"X15"	3.75
1341+70 LT	W13-1P (40 MPH)	24"X24"	4.00
TOTAL SQ FT			149

72000200 SIGN PANEL - TYPE 2			
STA	DESCRIPTION	SIZE	SQ FT
1317+85 RT	W14-3 (NO PASSING ZONE)	64"X48"	10.67
1318+65 LT	W14-3 (NO PASSING ZONE)	64"X48"	10.67
TOTAL SQ FT			21

72400100 REMOVE SIGN PANEL ASSEMBLY - TYPE A			TOTAL (EACH)
STA	SIGN DESCRIPTION		
1320+76 RT	W1-2 (CURVE RIGHT) WITH W13-1 (ADVISORY PLATE)		1.0
1323+93 RT	W2-2L (LEFT SIDE ROAD) WITH "CHAMBERS GROVE ROAD" NAME PLATE		1.0
1327+63 LT	2 - W1-8 (CHEVRONS)		1.0
1329+74 LT	2 - W1-8 (CHEVRONS)		1.0
1330+27 LT	W1-6R (LARGE ARROW) WITH W13-1 (ADVISORY PLATE)		1.0
1330+79 LT	2 - W1-8 (CHEVRONS)		1.0
1331+62 RT	W1-7 (LARGE 2 HEAD ARROW)		1.0
1331+85 LT	R1-1 (STOP)		1.0
1332+91 LT	2 - W1-8 (CHEVRONS)		1.0
1343+49 LT	2 - W1-8 (CHEVRONS)		1.0
1335+02 RT	W1-6L (LARGE ARROW) WITH W13-1 (ADVISORY PLATE)		1.0
1336+07 LT	2 - W1-8 (CHEVRONS)		1.0
1337+13 LT	2 - W1-8 (CHEVRONS)		1.0
TOTAL EACH			13

72400200 REMOVE SIGN PANEL ASSEMBLY - TYPE B			TOTAL (EACH)
STA	SIGN DESCRIPTION		
1317+85 RT	W14-3 (NO PASSING ZONE) WITH 2 REFERENCE MARKERS (52/CARROLL/25)		1.0
1318+65 LT	W14-3 (NO PASSING ZONE)		1.0
TOTAL EACH			2

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PLOT DATE = 12/7/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SCHEDULES OF QUANTITIES  
US 52 /IL 64**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	15CR & SR	CARROLL	73	14
CONTRACT NO. 64M17				
ILLINOIS		FED. AID PROJECT		



# EARTHWORK SUMMARY

EARTHWORK					
LOCATION	20200100		EMBANKMENT		EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (20% SHRINKAGE)
	EARTH EXCAVATION		(FILL)		
	(CUT)		(FILL)		
	CU YD		CU YD		CU YD
IL 52 / US 64					
LT 1314+50 TO 1319+50	609.4		395.0		62.1
LT 1319+50 TO 1340+50	1634.7		129.1		1097.0
RT 1314+50 TO 1340+50	279.3		953.5		-744.1
RT 1314+50 TO 1340+50	605.9		125.9		328.5
<b>TOTAL</b>	<b>3129</b>		<b>1603</b>		<b>744</b>
<b>ADJUSTED TOTAL</b>	<b>3130</b>		<b>1605</b>		<b>740</b>

CUT = EARTH EXCAVATION  
FILL = EMBANKMENT

QUANTITY OF EARTH EXCAVATION (CUT) ADJUSTED FOR A SHRINKAGE FACTOR OF 25%.

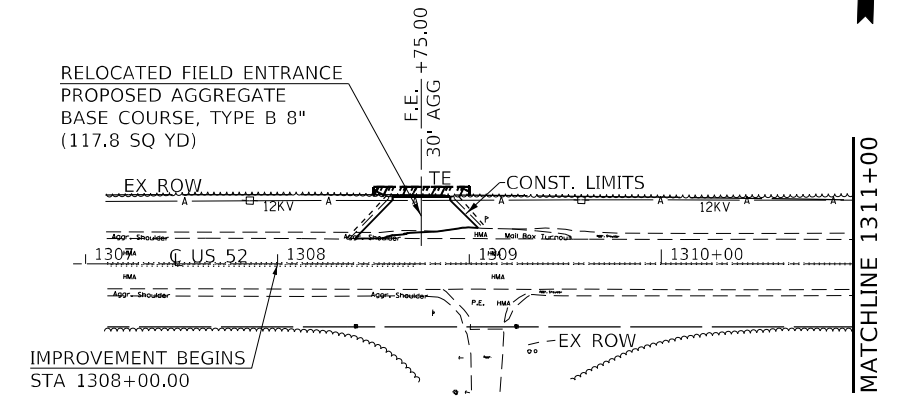
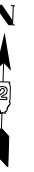
EARTHWORK BALANCE (-) = QUANTITY OF FURNISHED EXCAVATION  
EARTHWORK BALANCE (+) = QUANTITY OF WASTE

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.																		
17	15CR & SR	CARROLL	73	16																		
CONTRACT NO. 64M17																						
ILLINOIS FED. AID PROJECT																						



CHRISTOPHER J. PERSON

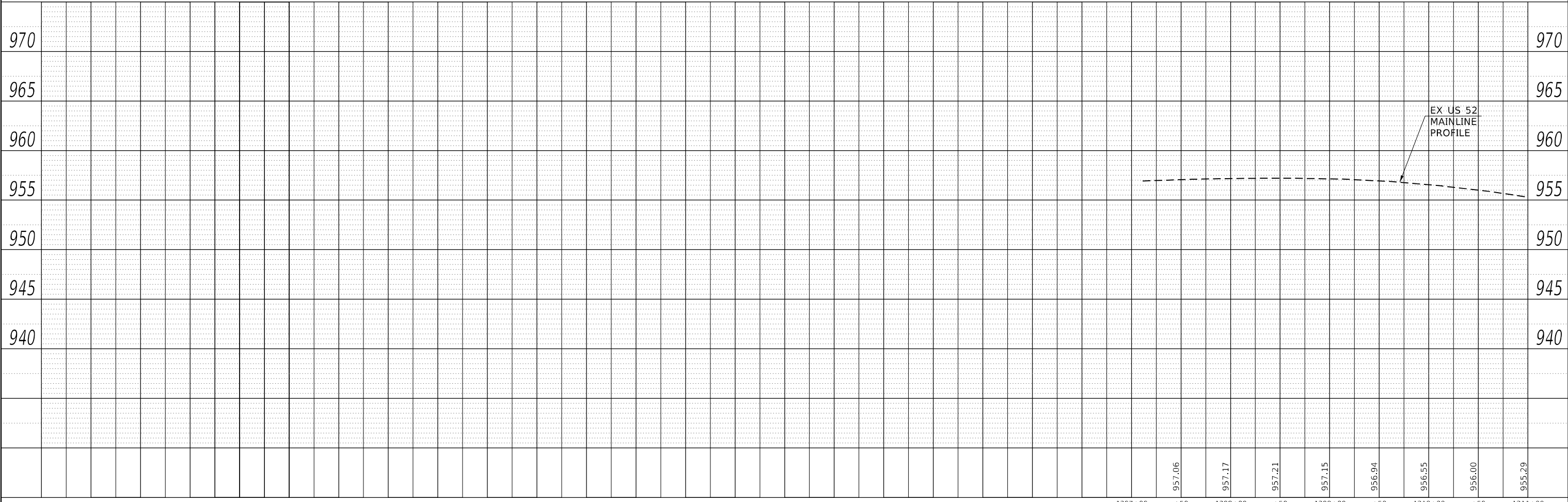


E ROBERT & SUE CAROL MICHAEL

PLAN	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK NO.	ALIGNMENT CHECKED		
	STRUCTURE NOTATIONS CHECKED		

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

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	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>US 52 / IL 64 PLAN / PROFILE</b>	
SCALE:	SHEET 1 OF 4 SHEETS STA. 1307+00.00 TO STA. 1311+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	15CR & SR	CARROLL	73	17
CONTRACT NO. 64M17				
ILLINOIS FED. AID PROJECT				



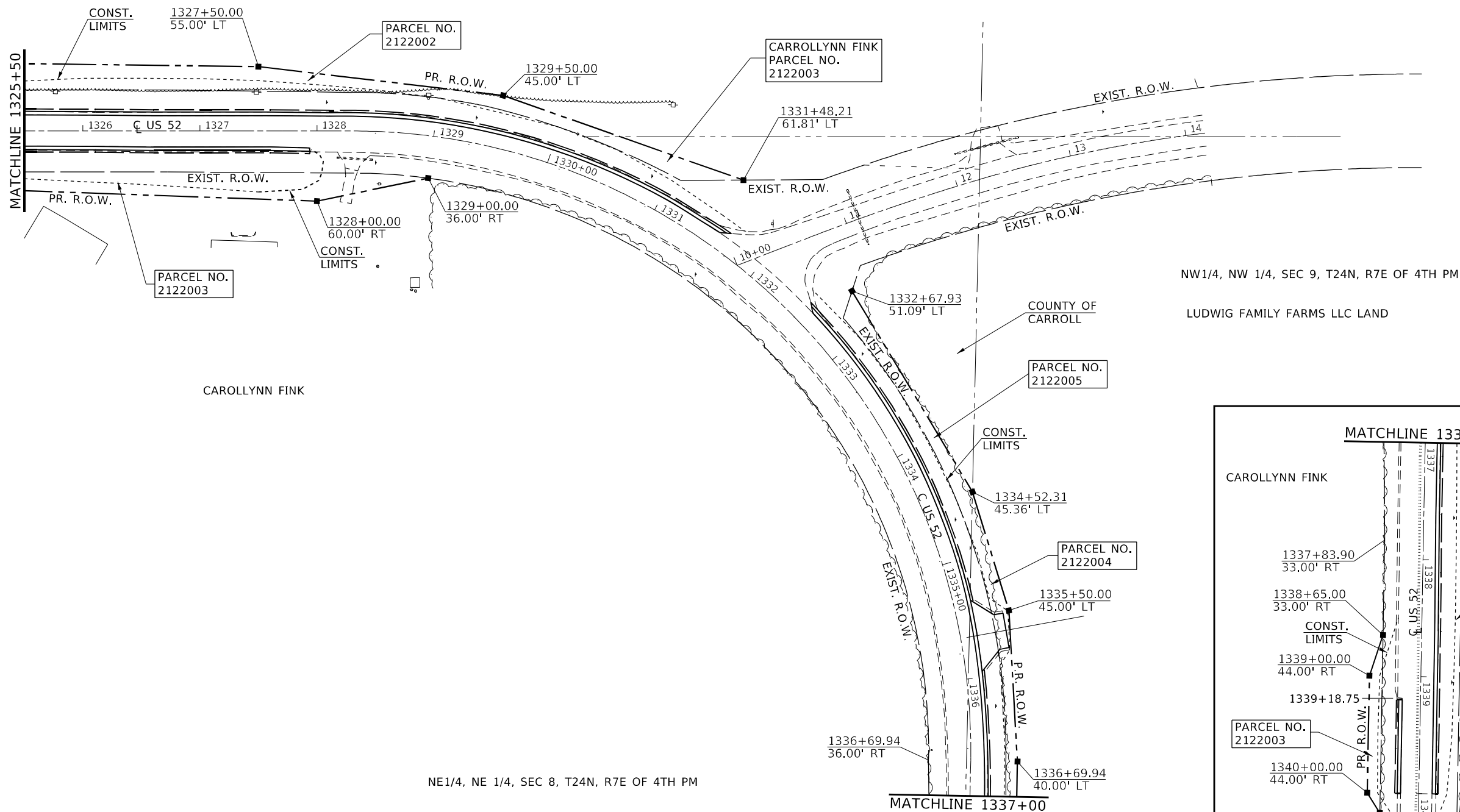




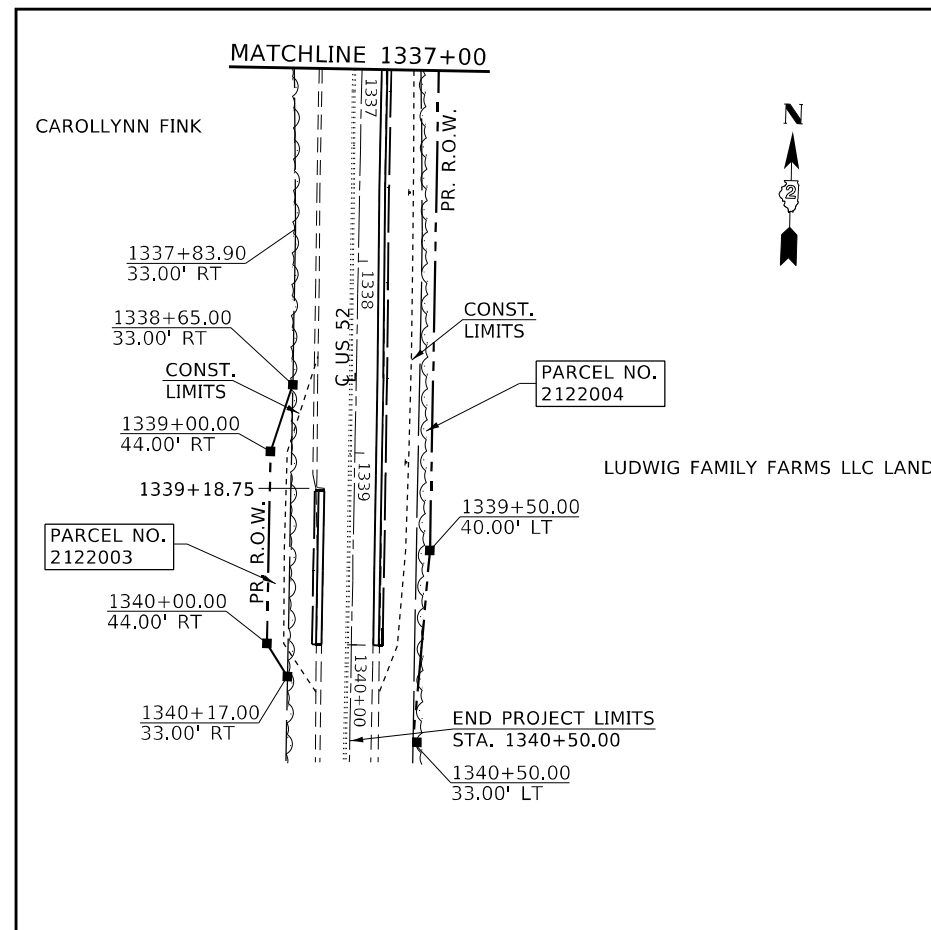




CHRISTOPHER J. PERSON



NW1/4, NW 1/4, SEC 9, T24N, R7E OF 4TH PM  
LUDWIG FAMILY FARMS LLC LAND



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PLOT DATE = 12/7/2021	DATE -	REVISED -








**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

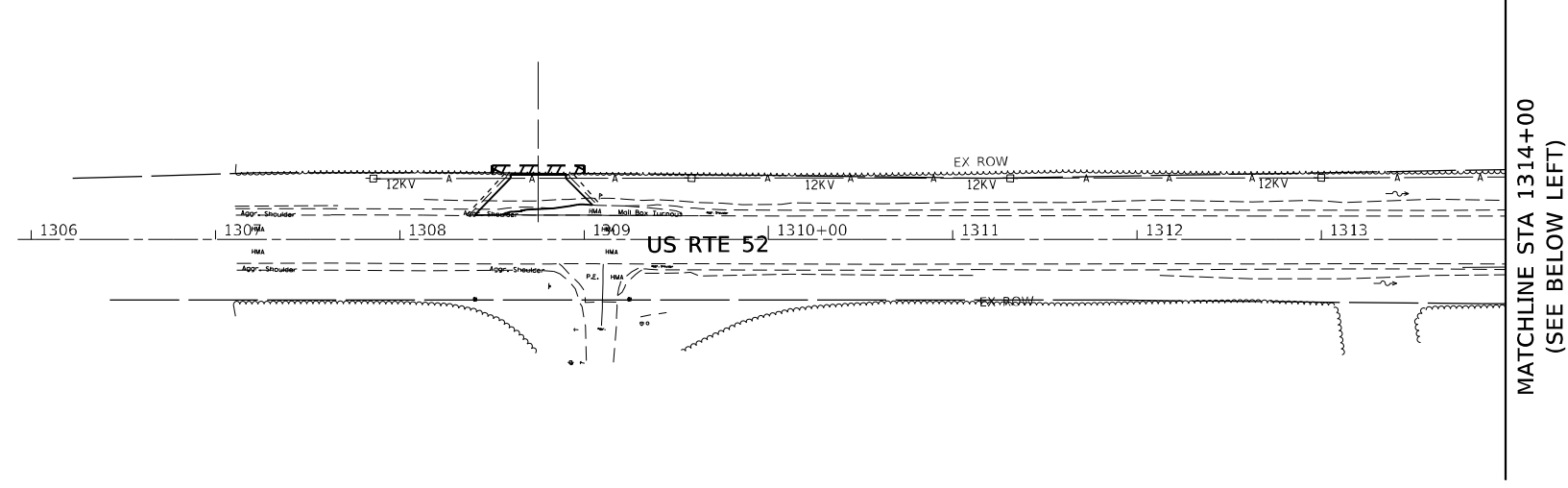
<b>US 52 / IL 64 RIGHT OF WAY PLANS</b>	
SCALE:	SHEET 2 OF 2 SHEETS
STA. 1325+50.00 TO STA. 1340+50.00	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	15CR & SR	CARROLL	73	22
CONTRACT NO. 64M17				
ILLINOIS FED. AID PROJECT				

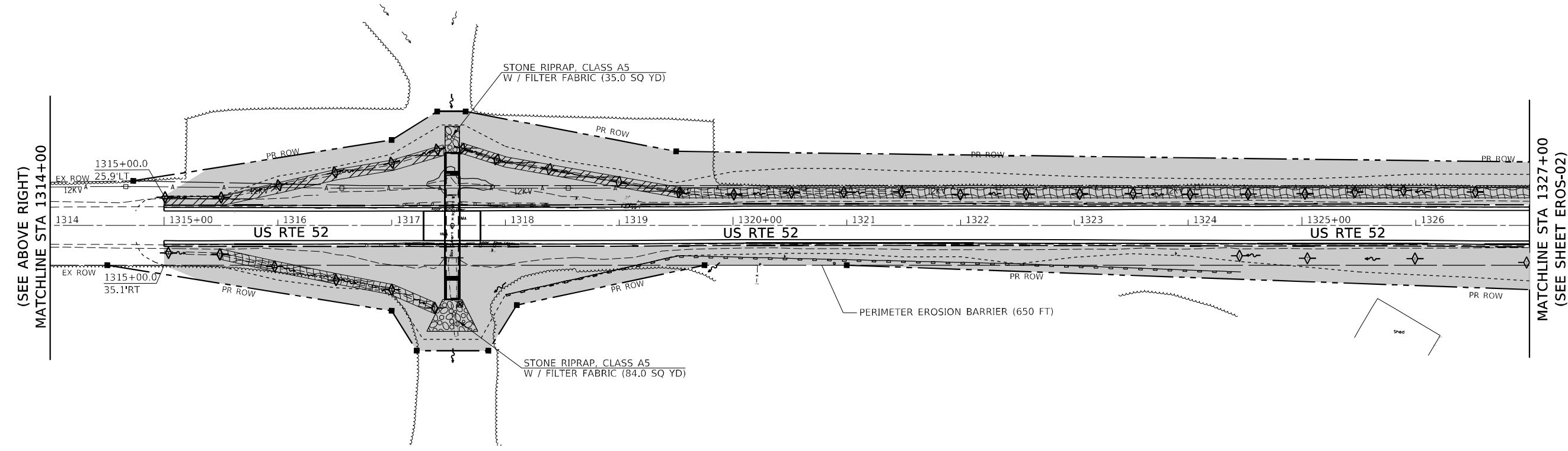


**LEGEND:**

-  TEMPORARY DITCH CHECK
-  PERIMETER EROSION BARRIER
-  TEMPORARY EROSION CONTROL SEEDING
-  STONE RIPRAP
-  TURF REINFORCEMENT MAT
-  EROSION CONTROL BLANKET
-  FLOWLINE



MATCHLINE STA 1314+00  
(SEE BELOW LEFT)



(SEE ABOVE RIGHT)  
MATCHLINE STA 1314+00

MATCHLINE STA 1327+00  
(SEE SHEET EROS-02)

MODEL: Default  
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	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/7/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**US 52 / IL 64  
EROSION CONTROL PLAN**

SCALE: SHEET 1 OF 2 SHEETS STA. 1307+00.00 TO STA. 1327+00.00

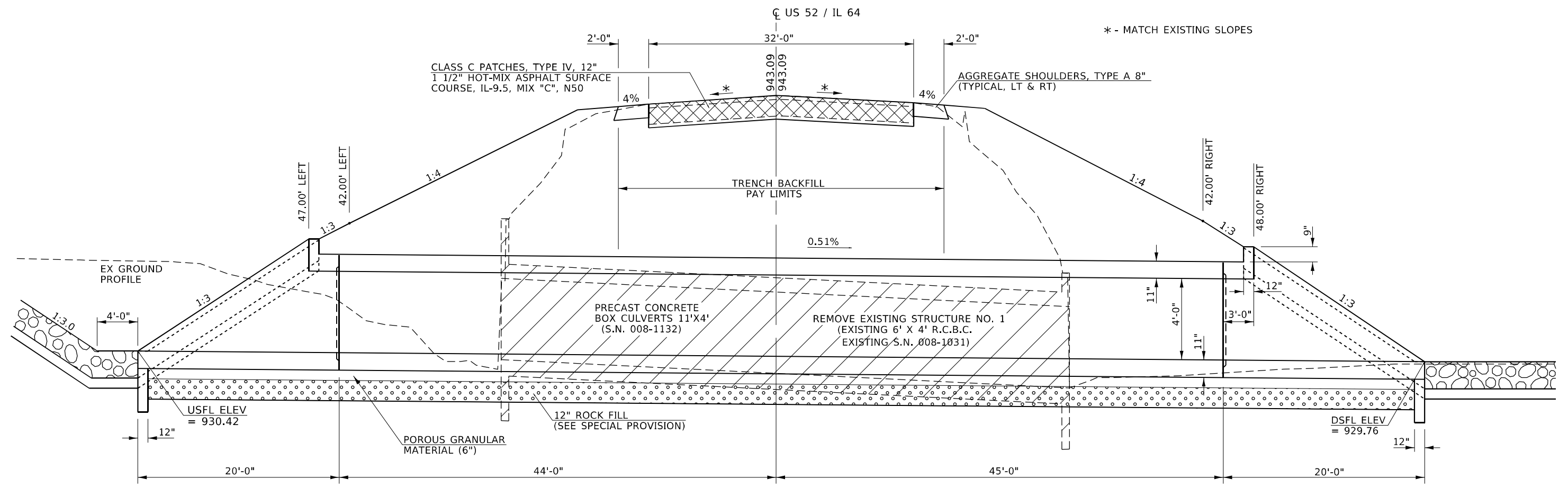
F.A.P. RTE. 17	SECTION 15CR & SR	COUNTY CARROLL	TOTAL SHEETS 73	SHEET NO. 23
ILLINOIS FED. AID PROJECT			CONTRACT NO. 64M17	

EROS-01

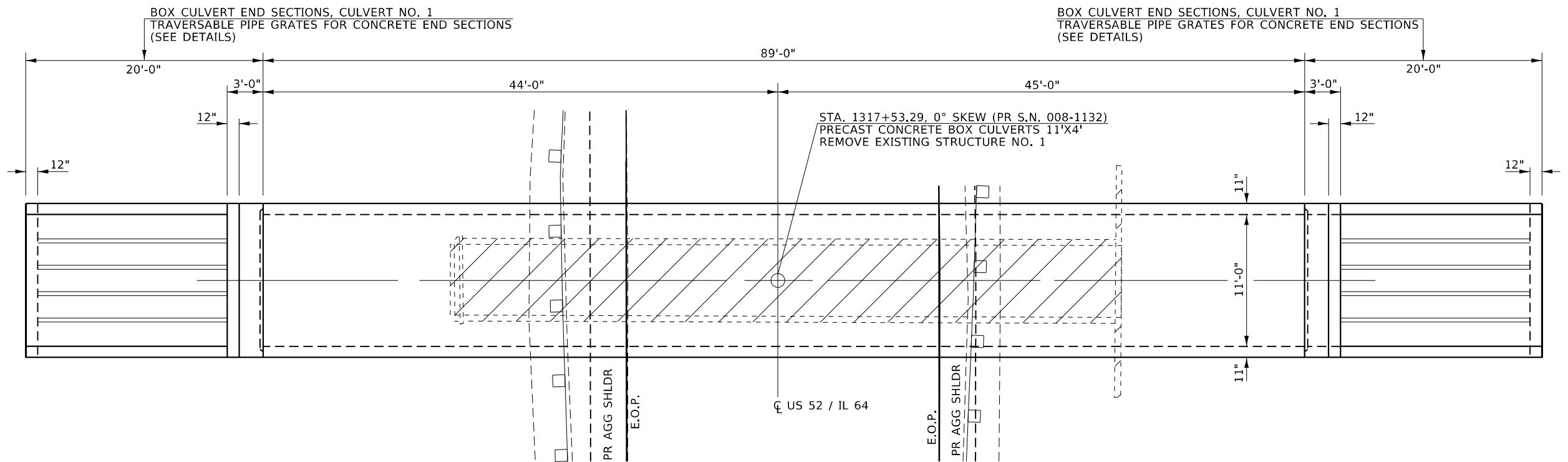




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**ELEVATION VIEW  
S.N. 008-1132  
(LOOKING EAST)**



**PLAN VIEW  
S.N. 008-1132**



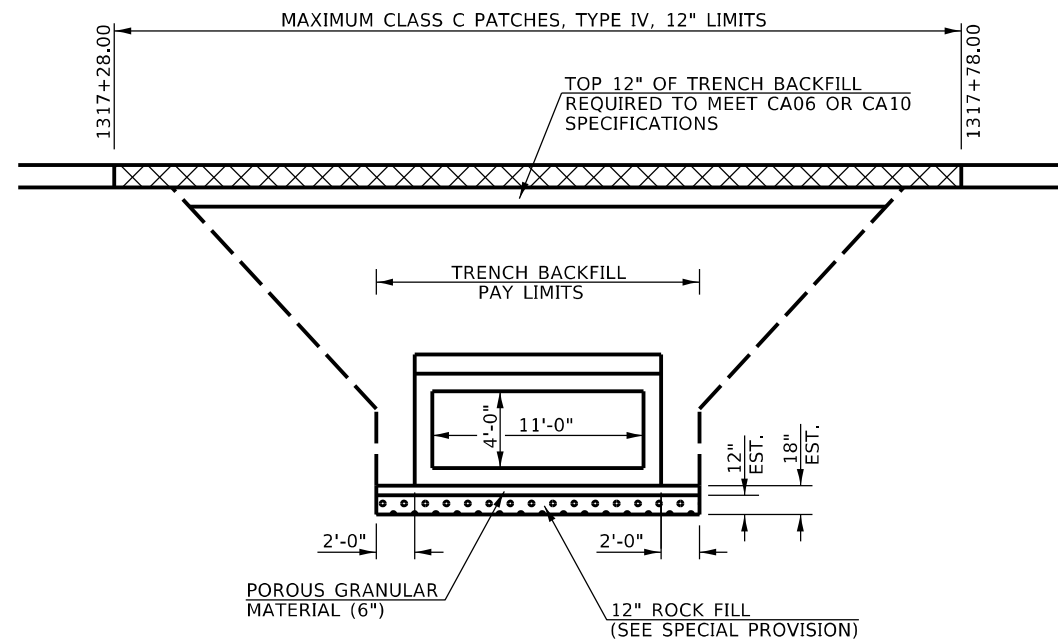
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	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/7/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>US 52 /IL 64 GENERAL PLAN AND ELEVATION</b>			
SCALE:	SHEET 1	OF 2	SHEETS
	STA.		TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	15CR & SR	CARROLL	73	25
CONTRACT NO. 64M17				
ILLINOIS FED. AID PROJECT				

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**END VIEW**  
**S.N. 008-1132**  
 STA. 1317+53.29, 0° SKEW (PR S.N. 008-1132)  
 PRECAST CONCRETE BOX CULVERTS 11'x4'  
 REMOVE EXISTING STRUCTURE NO. 1

**GENERAL NOTES**

The design fill height for this box is 9 ft. The precast box culvert sections shall conform to the requirements of ASTM C 1577.  
 Drain holes shall be provided on exterior culvert walls for each precast box segment with a clear rise greater than 3 ft. The drain hole shall be located within 1/3 of the clear rise of the box culvert, shall not intercept the haunch, and shall conform to the requirements of Article 503.11 of the Standard Specification.  
 The 6-inch thick layer of porous granular material required under the precast concrete box culvert, according to Section 540.06 of the standard specifications, shall also apply to the end sections. Cost of this porous granular material will not be paid for separately but shall be included in the unit price of the work for which it is required.  
 Nonwoven geotextile fabric shall conform to the requirements of Art. 1080.01 of the Standard Specifications. The minimum weight of the fabric shall be 6 ounces per square yard.

**DESIGN SPECIFICATIONS**

2020 AASHTO LRFD Bridge Design Specifications  
 Customary U.S. Units, 9th Edition

**LOADING HL-93**

**DESIGN STRESSES**

**PRECAST UNITS**

$f'_c = 5,000 \text{ psi}$   
 $f_y = 65,000 \text{ psi}$  (Welded Wire Reinforcement)

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	TOTAL
Removal of Existing Structures No. 1	Each	1
Name Plates	Each	1
Box Culvert End Sections, Culvert No. 1	Each	2
Precast Concrete Box Culverts, 11'x4'	Foot	89
Trench Backfill	Cu. Yd.	186

1317+53.29  
 BUILT BY  
 STATE OF ILLINOIS  
 F.A.P RT. 17 SEC. 15 CR  
 LOADING HL-93  
 STR. NO. 008-1132

**NAME PLATE**  
 See Std. 515001

USER NAME = scraven	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 3/28/2022	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

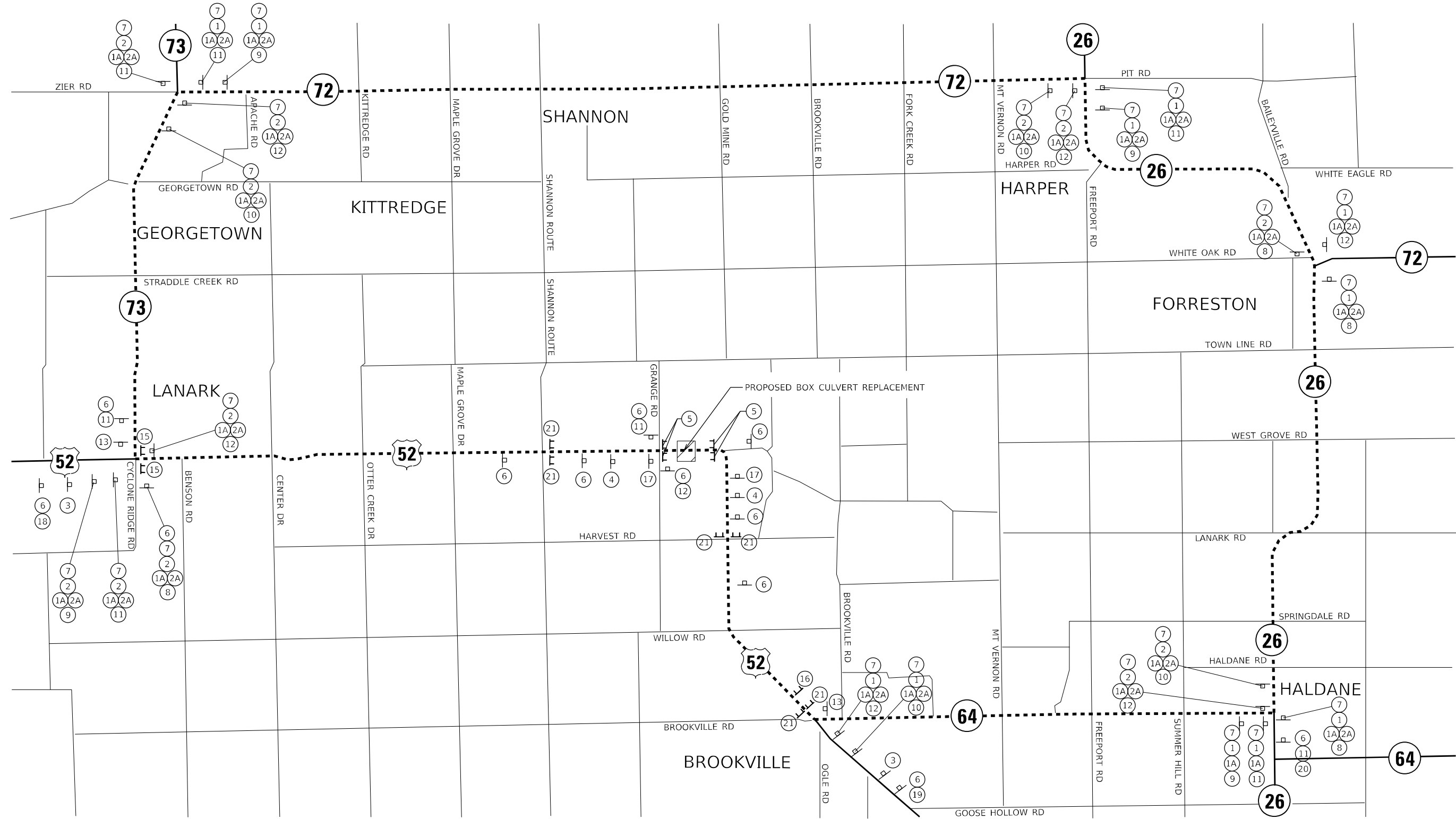
<b>US 52 /IL 64</b>			
<b>GENERAL PLAN AND ELEVATION</b>			
SCALE:	SHEET 2	OF 2 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	15CR & SR	CARROLL	73	26
CONTRACT NO. 64M17				
ILLINOIS		FED. AID PROJECT		









1 WEST M3-1-2412	1A 52 M1-4-2424	3 DETOUR AHEAD W20-2(F0)-4848	5 ROAD CLOSED R11-2-4830	7 DETOUR M4-8(F0)-3015	9 U-TURN M5-1L-2115	11 U-TURN M6-1-2115	13 END DETOUR M4-8A M3-1	15 ROAD CLOSED 6 MILES AHEAD LOCAL TRAFFIC ONLY	17 BARRICADE AHEAD W21-1100(O)-48	20 8 MILES W16-3A(O)-3612	--- = DETOUR ROUTE = TYPE III BARRICADE
2 EAST M3-1-2412	2A ILLINOIS 64 M1-1100-2424	4 ROAD CLOSED 1000 FEET W20-3-4848	6 ROAD CLOSED AHEAD W20-3-4848	8 U-TURN M6-3-2115	10 U-TURN M5-1R-2115	12 U-TURN M6-1-2115	14 THIS SIGN NOT USED	16 ROAD CLOSED 4 MILES AHEAD LOCAL TRAFFIC ONLY	18 6 MILES W16-3A(O)-3612	21 ROAD CLOSED TO THRU TRAFFIC R11-4-6030	

NOTE:  
 TYPE III BARRICADES AT:  
 STA. 1310+00 - NO SPACING W/ 5  
 STA. 1328+00 - NO SPACING W/ 5  
 JUST EAST OF GRANGE RD. - STAGGERED W/ 21  
 JUST WEST OF CHAMBERS GROVE RD. - STAGGERED W/ 21

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PLOT DATE = 12/7/2021	CHECKED -	REVISED -
	DATE -	REVISED -

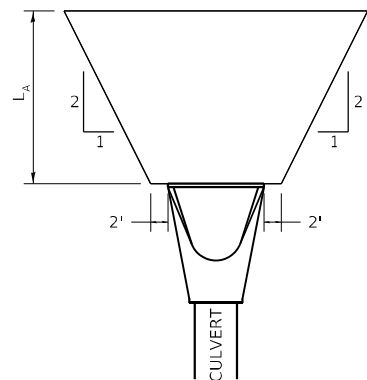
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SCALE:		SHEET		OF SHEETS		STA.	TO STA.
		17	15CR & SR	CARROLL	73	30	

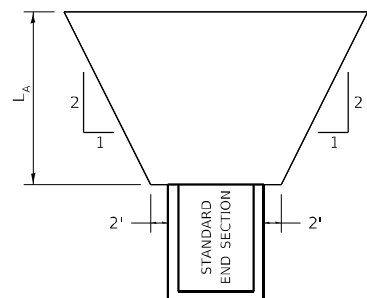
**US 52 / IL 64  
TRAFFIC DETOUR PLAN**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	15CR & SR	CARROLL	73	30
CONTRACT NO. 64M17				
ILLINOIS FED. AID PROJECT				

# RIPRAP AT END SECTIONS



FLARED END SECTION



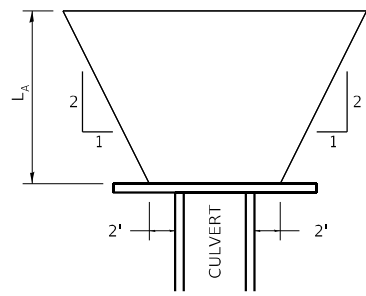
STANDARD END SECTION

$L_A$  = APRON LENGTH (ft)

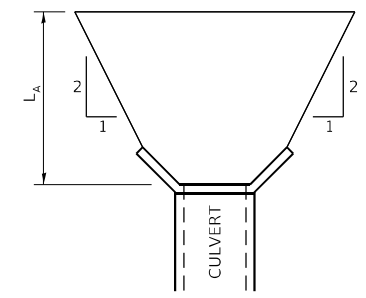
IF THE CULVERT OUTLETS INTO A DEFINED CHANNEL, RIPRAP BANK TO BANK FOR LENGTH ( $L_A$ ).

STANDARD END SECTION:  
542001 (PIPE), 542011 (ELLIPTICAL)  
DISTRICT STANDARD 10.1 (BOX).

REVISED - 7-13-16  
REVISED - 11-12-14  
REVISED - 2-10-14



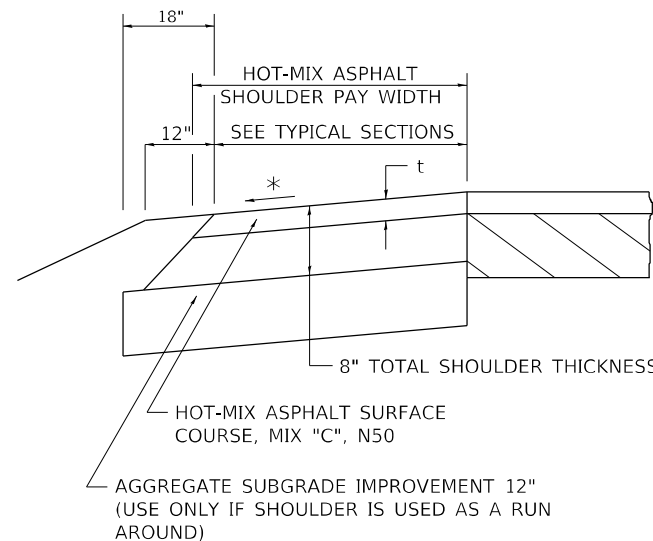
CULVERT WITH HEADWALL



CULVERT WITH WING WALLS

## RIPRAP AT END SECTIONS 19.4

# HOT-MIX ASPHALT SHOULDER



$t$  = SEE TYPICAL SECTIONS FOR THICKNESS

### GENERAL NOTES

THE HOT-MIX ASPHALT SHOULDER SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 482 EXCEPT THE TOP LIFT SHALL BE HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50. THE WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 AND SQUARE YARD FOR HOT-MIX ASPHALT SHOULDERS OF THE THICKNESS SPECIFIED.

USE HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50. WHEN RESURFACING EXISTING HOT-MIX ASPHALT SHOULDERS, THE THICKNESS IS SHOWN ON THE TYPICAL SECTIONS. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50.

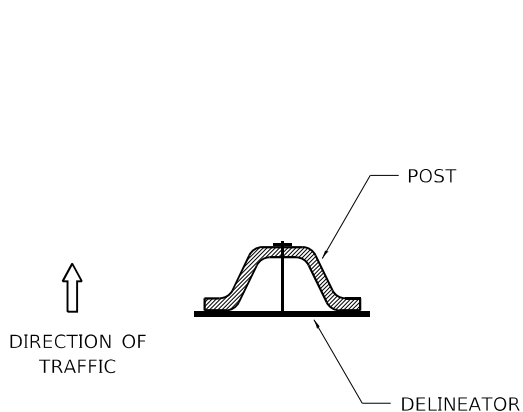
REMOVAL OF MATERIAL FOR PLACEMENT OF THE HOT-MIX ASPHALT SHOULDER TO BE PAID FOR IN UNITS FOR EXCAVATING AND GRADING EXISTING SHOULDERS OR IN CUBIC YARDS FOR EARTH EXCAVATION OR EARTH EXCAVATION WIDENING.

\* 4% WHEN MAINLINE IS ON TANGENT. FOR CROSS SLOPE ON SUPERELEVATION SECTION, SEE HIGHWAY STANDARD 482001 OR 482006.

REVISED - 1-05-16  
REVISED - 3-13-13

## HOT-MIX ASPHALT SHOULDER 22.4

# DELINEATOR AND POST ORIENTATION

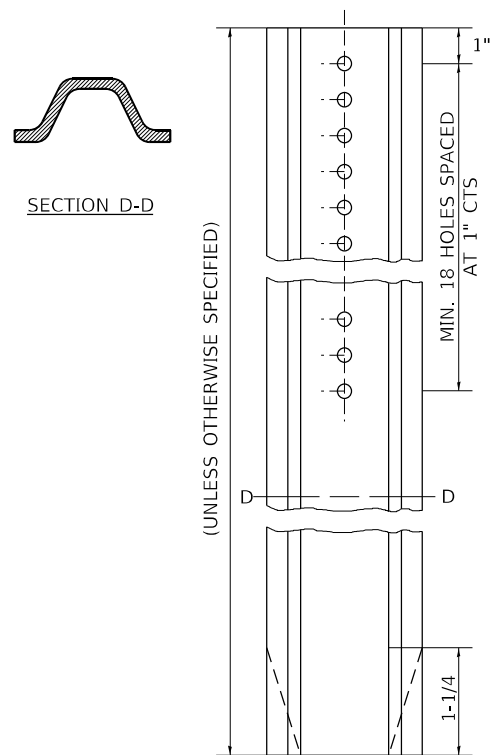


DELINEATORS SHALL BE INSTALLED ACCORDING TO STANDARD 635001 EXCEPT THAT THE POST SHALL BE ROTATED 180°. THE POST WILL HAVE THE WIDE SIDE FACING TRAFFIC AND THE DELINEATOR ATTACHED AS SHOWN ABOVE.

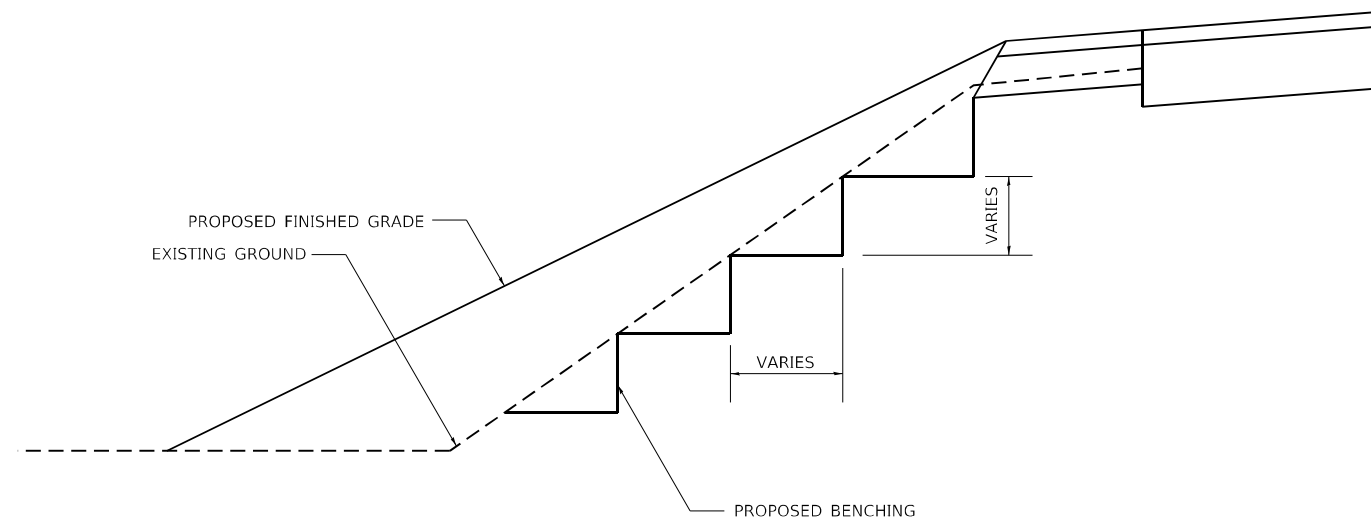
ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

REVISED - 10-03-11

## DELINEATOR AND POST ORIENTATION 37.4



# TYPICAL BENCHING ON EXISTING EMBANKMENT



REVISED - 2-22-06

## TYPICAL BENCHING ON EXISTING EMBANKMENT 50.4

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	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

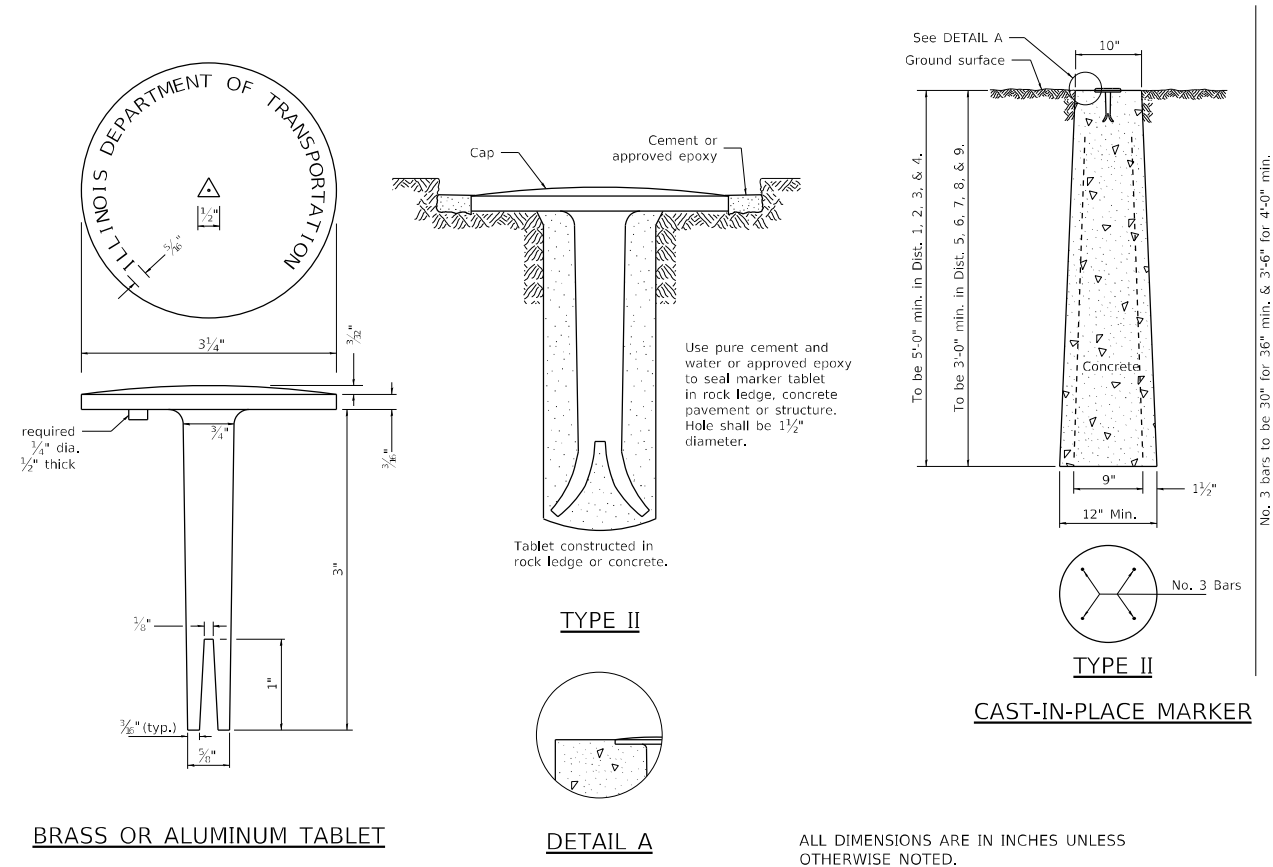
REGION 2 / DISTRICT 2 STANDARDS			
SCALE:	SHEET 1	OF 12 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	15CR & SR	CARROLL	73	31
CONTRACT NO. 64M17				
ILLINOIS FED. AID PROJECT				

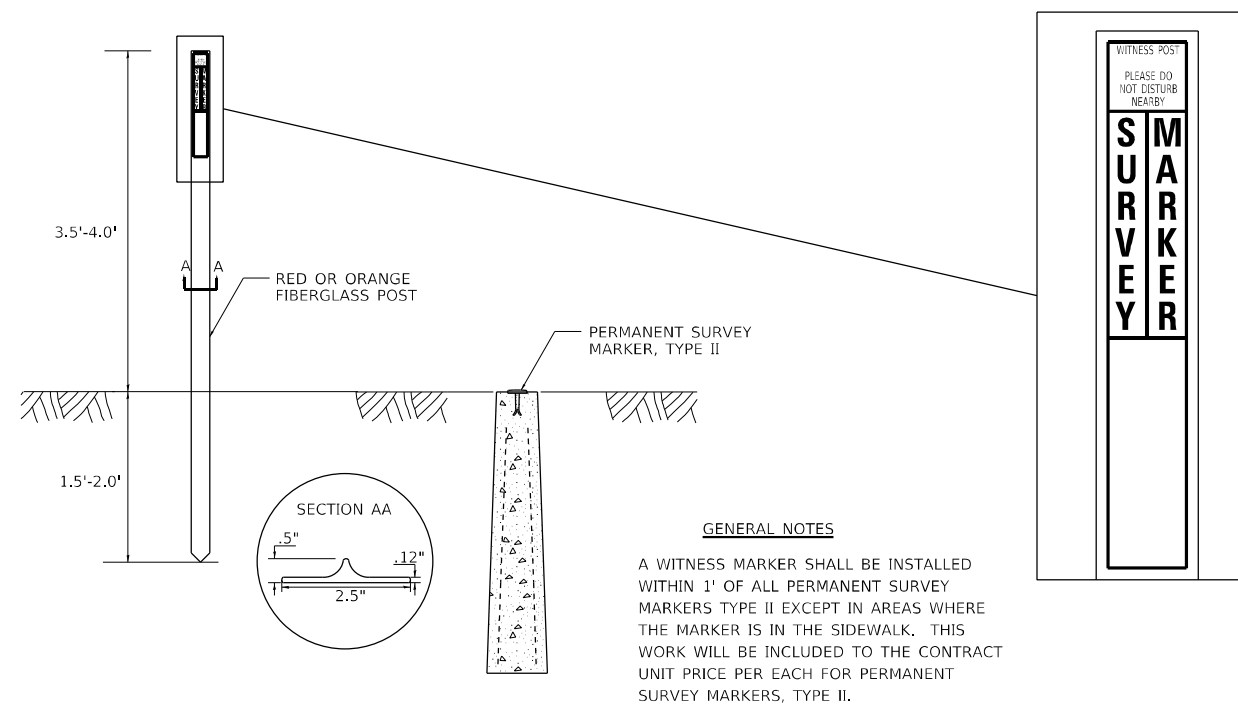




# PERMANENT SURVEY MARKERS, TYPE II



# WITNESS MARKER FOR PERMANENT SURVEY MARKERS, TYPE II



REVISED - 6-27-14  
REVISED - 10-14-11

## PERMANENT SURVEY MARKERS, TYPE II 66.2

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2  
STANDARDS

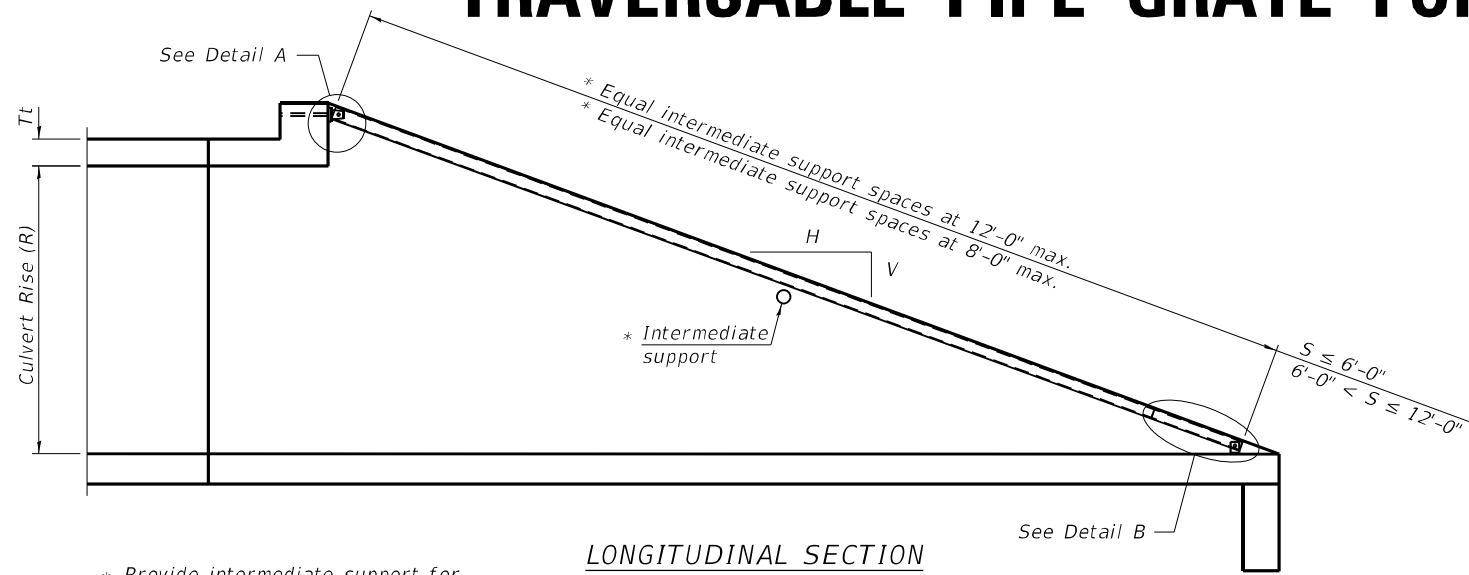
SCALE: SHEET 3 OF 12 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	15CR & SR	CARROLL	73	33
CONTRACT NO. 64M17				
ILLINOIS FED. AID PROJECT				

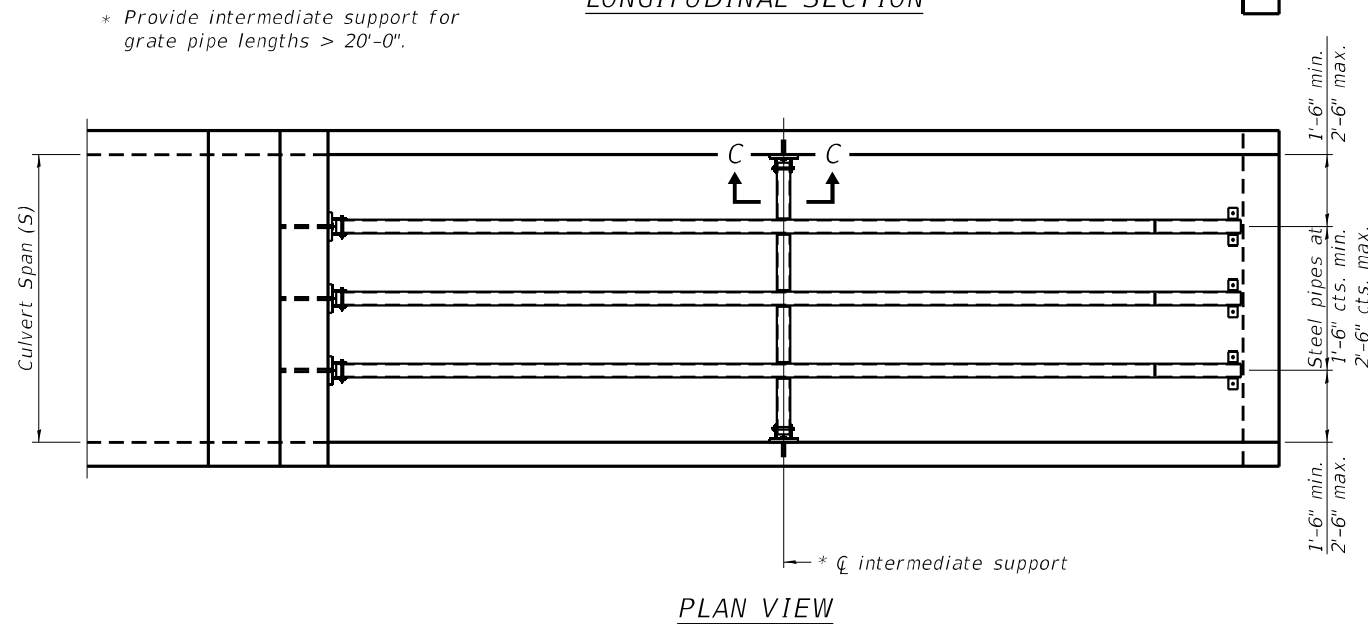




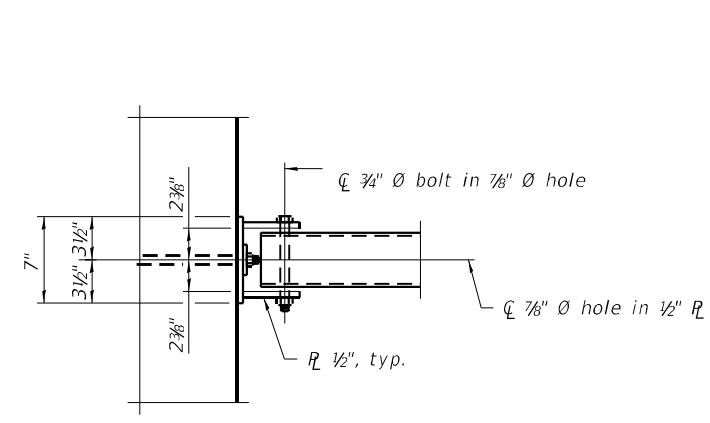
# TRAVERSABLE PIPE GRATE FOR BOX CULVERT END SECTIONS



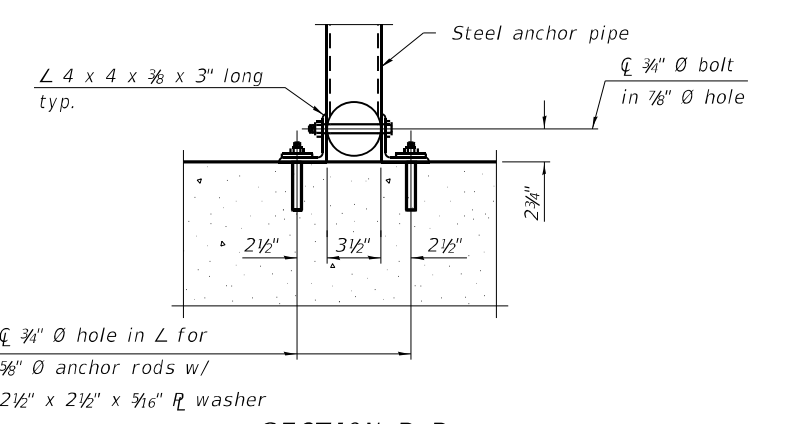
LONGITUDINAL SECTION



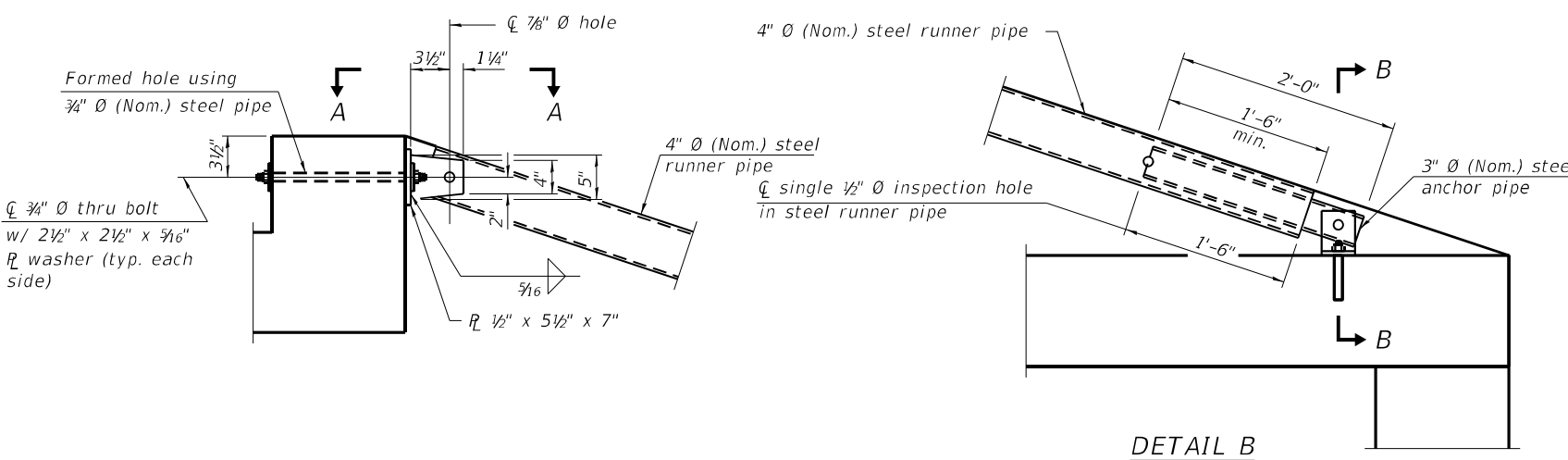
PLAN VIEW



VIEW A-A

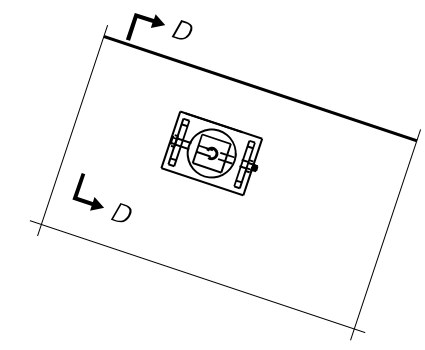


SECTION B-B

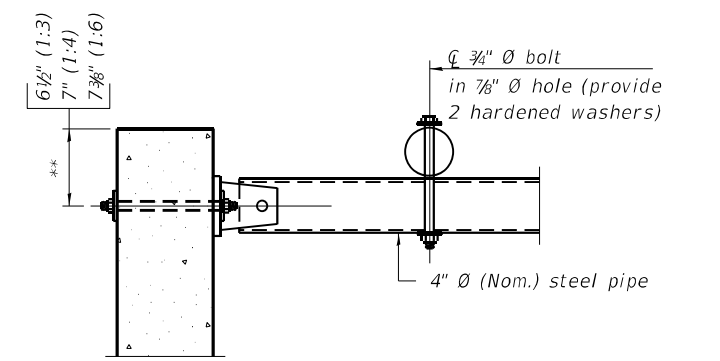


DETAIL A

DETAIL B



VIEW C-C  
(See Detail A for dimensions and details not shown.)



SECTION D-D

\*\* Measured perpendicular to top of culvert wall. In addition, formed hole shall be located a minimum of 6" measured horizontally from any vertical joints necessary for construction of the culvert end section.

TPGBC-ZS

2-17-2017

TRAVERSABLE PIPE GRATE FOR BOX CULVERT END SECTIONS SHEET 1 OF 2 13.1

(Sheet 1 of 2)

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2  
STANDARDS

SCALE: SHEET 6 OF 12 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	15CR & SR	CARROLL	73	36
CONTRACT NO. 64M17				
ILLINOIS FED. AID PROJECT				

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 PROJECTS\2020 - IDOT D2 FTB 190322.WD0 #7 IL 17 Culvert Replacement\DOT\CAD\_Sheets\264M17.dwg

# TRAVERSABLE PIPE GRATE FOR BOX CULVERT END SECTIONS

PIPE-GRATE SCHEDULE FOR BOX CULVERT END SECTIONS

GENERAL NOTES

This table is only to be used for cross drainage structures.

Precast Box Culvert Dimensions			Slope of End Section								
			1:3			1:4			1:6		
			Main Pipe No. / Length	Int. Support No. / Length	Total Length of Pipe	Main Pipe No. / Length	Int. Support No. / Length	Total Length of Pipe	Main Pipe No. / Length	Int. Support No. / Length	Total Length of Pipe
4	2	7.5	1 @ 8'-10"	N/A	8'-10"	1 @ 11'-7"	N/A	11'-7"	1 @ 17'-2"	N/A	17'-2"
4	2	5	1 @ 8'-2"	N/A	8'-2"	1 @ 10'-8"	N/A	10'-8"	1 @ 15'-11"	N/A	15'-11"
4	3	7.5	1 @ 12'-0"	N/A	12'-0"	1 @ 15'-8"	N/A	15'-8"	1 @ 23'-3"	1 @ 3'-7"	26'-10"
4	3	5	1 @ 11'-4"	N/A	11'-4"	1 @ 14'-10"	N/A	14'-10"	1 @ 22'-0"	1 @ 3'-7"	25'-7"
4	4	7.5	1 @ 15'-2"	N/A	15'-2"	1 @ 19'-10"	1 @ 3'-7"	23'-5"	1 @ 29'-4"	2 @ 3'-7"	36'-6"
4	4	5	1 @ 14'-6"	N/A	14'-6"	1 @ 18'-11"	N/A	18'-11"	1 @ 28'-1"	2 @ 3'-7"	35'-3"
5	2	8	1 @ 8'-11"	N/A	8'-11"	1 @ 11'-9"	N/A	11'-9"	1 @ 17'-5"	N/A	17'-5"
5	2	6	1 @ 8'-5"	N/A	8'-5"	1 @ 11'-1"	N/A	11'-1"	1 @ 16'-5"	N/A	16'-5"
5	3	8	1 @ 12'-1"	N/A	12'-1"	1 @ 15'-10"	N/A	15'-10"	1 @ 23'-6"	1 @ 4'-7"	28'-1"
5	3	6	1 @ 11'-7"	N/A	11'-7"	1 @ 15'-2"	N/A	15'-2"	1 @ 22'-6"	1 @ 4'-7"	27'-1"
5	4	8	1 @ 15'-3"	N/A	15'-3"	1 @ 20'-0"	1 @ 4'-7"	24'-7"	1 @ 29'-7"	2 @ 4'-7"	38'-9"
5	4	6	1 @ 14'-9"	N/A	14'-9"	1 @ 19'-3"	N/A	19'-3"	1 @ 28'-7"	2 @ 4'-7"	37'-9"
5	5	8	1 @ 18'-5"	N/A	18'-5"	1 @ 24'-1"	2 @ 4'-7"	33'-3"	1 @ 35'-8"	3 @ 4'-7"	49'-5"
5	5	6	1 @ 17'-11"	N/A	17'-11"	1 @ 23'-5"	1 @ 4'-7"	28'-0"	1 @ 34'-8"	2 @ 4'-7"	43'-10"
6	2	8	2 @ 8'-11"	N/A	17'-10"	2 @ 11'-9"	N/A	23'-6"	2 @ 17'-5"	N/A	34'-10"
6	2	7	2 @ 8'-8"	N/A	17'-4"	2 @ 11'-5"	N/A	22'-10"	2 @ 16'-11"	N/A	33'-10"
6	3	8	2 @ 12'-1"	N/A	24'-2"	2 @ 15'-10"	N/A	31'-8"	2 @ 23'-6"	1 @ 5'-7"	52'-7"
6	3	7	2 @ 11'-10"	N/A	23'-8"	2 @ 15'-6"	N/A	31'-0"	2 @ 23'-0"	1 @ 5'-7"	51'-7"
6	4	8	2 @ 15'-3"	N/A	30'-6"	2 @ 20'-0"	1 @ 5'-7"	45'-7"	2 @ 29'-7"	2 @ 5'-7"	70'-4"
6	4	7	2 @ 15'-0"	N/A	30'-0"	2 @ 19'-8"	1 @ 5'-7"	44'-11"	2 @ 29'-1"	2 @ 5'-7"	69'-4"
6	5	8	2 @ 18'-5"	N/A	36'-10"	2 @ 24'-1"	2 @ 5'-7"	59'-4"	2 @ 35'-8"	3 @ 5'-7"	88'-1"
6	5	7	2 @ 18'-2"	N/A	36'-4"	2 @ 23'-9"	2 @ 5'-7"	58'-8"	2 @ 35'-2"	2 @ 5'-7"	81'-6"
6	6	8	2 @ 21'-7"	1 @ 5'-7"	48'-9"	2 @ 28'-3"	2 @ 5'-7"	67'-8"	2 @ 41'-9"	3 @ 5'-7"	100'-3"
6	6	7	2 @ 21'-4"	1 @ 5'-7"	48'-3"	2 @ 27'-11"	2 @ 5'-7"	67'-0"	2 @ 41'-3"	3 @ 5'-7"	99'-3"
7	2	8	2 @ 8'-11"	N/A	17'-10"	2 @ 11'-9"	N/A	23'-6"	2 @ 17'-5"	N/A	34'-10"
7	3	8	2 @ 12'-1"	N/A	24'-2"	2 @ 15'-10"	N/A	31'-8"	2 @ 23'-6"	2 @ 6'-7"	60'-2"
7	4	8	2 @ 15'-3"	N/A	30'-6"	2 @ 20'-0"	2 @ 6'-7"	53'-2"	2 @ 29'-7"	3 @ 6'-7"	78'-11"
7	5	8	2 @ 18'-5"	N/A	36'-10"	2 @ 24'-1"	3 @ 6'-7"	67'-11"	2 @ 35'-8"	4 @ 6'-7"	97'-8"
7	6	8	2 @ 21'-7"	2 @ 6'-7"	56'-4"	2 @ 28'-3"	3 @ 6'-7"	76'-3"	2 @ 41'-9"	5 @ 6'-7"	116'-5"
7	7	8	2 @ 24'-9"	3 @ 6'-7"	69'-3"	2 @ 32'-4"	4 @ 6'-7"	91'-0"	2 @ 47'-10"	6 @ 6'-7"	135'-2"
8	2	8	3 @ 8'-11"	N/A	26'-9"	3 @ 11'-9"	N/A	35'-3"	3 @ 17'-5"	N/A	52'-3"
8	3	8	3 @ 12'-1"	N/A	36'-3"	3 @ 15'-10"	N/A	47'-6"	3 @ 23'-6"	2 @ 7'-7"	85'-8"
8	4	8	3 @ 15'-3"	N/A	45'-9"	3 @ 20'-0"	2 @ 7'-7"	75'-2"	3 @ 29'-7"	3 @ 7'-7"	111'-6"
8	5	8	3 @ 18'-5"	N/A	55'-3"	3 @ 24'-1"	3 @ 7'-7"	95'-0"	3 @ 35'-8"	4 @ 7'-7"	137'-4"
8	6	8	3 @ 21'-7"	2 @ 7'-7"	79'-11"	3 @ 28'-3"	3 @ 7'-7"	107'-6"	3 @ 41'-9"	5 @ 7'-7"	163'-2"
8	7	8	3 @ 24'-9"	3 @ 7'-7"	97'-0"	3 @ 32'-4"	4 @ 7'-7"	127'-4"	3 @ 47'-10"	6 @ 7'-7"	189'-0"
8	8	8	3 @ 27'-11"	3 @ 7'-7"	106'-6"	3 @ 36'-6"	4 @ 7'-7"	139'-10"	3 @ 53'-11"	6 @ 7'-7"	207'-3"
9	2	9	3 @ 9'-3"	N/A	27'-9"	3 @ 12'-1"	N/A	36'-3"	3 @ 17'-11"	N/A	53'-9"
9	3	9	3 @ 12'-4"	N/A	37'-0"	3 @ 16'-2"	N/A	48'-6"	3 @ 24'-0"	3 @ 8'-7"	97'-9"
9	4	9	3 @ 15'-6"	N/A	46'-6"	3 @ 20'-4"	2 @ 8'-7"	78'-2"	3 @ 30'-1"	3 @ 8'-7"	116'-0"
9	5	9	3 @ 18'-8"	N/A	56'-0"	3 @ 24'-5"	3 @ 8'-7"	99'-0"	3 @ 36'-2"	4 @ 8'-7"	142'-10"
9	6	9	3 @ 21'-10"	2 @ 8'-7"	82'-8"	3 @ 28'-7"	3 @ 8'-7"	111'-6"	3 @ 42'-3"	5 @ 8'-7"	169'-8"
9	7	9	3 @ 25'-0"	3 @ 8'-7"	100'-9"	3 @ 32'-8"	4 @ 8'-7"	132'-4"	3 @ 48'-4"	6 @ 8'-7"	196'-6"
9	8	9	3 @ 28'-2"	3 @ 8'-7"	110'-3"	3 @ 36'-10"	4 @ 8'-7"	144'-10"	3 @ 54'-5"	6 @ 8'-7"	214'-9"
9	9	9	3 @ 31'-4"	3 @ 8'-7"	119'-9"	3 @ 40'-11"	5 @ 8'-7"	165'-8"	3 @ 60'-6"	7 @ 8'-7"	241'-7"
10	2	10	3 @ 9'-6"	N/A	28'-6"	3 @ 12'-5"	N/A	37'-3"	3 @ 18'-5"	N/A	55'-3"
10	3	10	3 @ 12'-8"	N/A	38'-0"	3 @ 16'-6"	N/A	49'-6"	3 @ 24'-6"	3 @ 9'-7"	102'-3"
10	4	10	3 @ 15'-10"	N/A	47'-6"	3 @ 20'-8"	2 @ 9'-7"	81'-2"	3 @ 30'-7"	3 @ 9'-7"	120'-6"
10	5	10	3 @ 19'-0"	N/A	57'-0"	3 @ 24'-9"	3 @ 9'-7"	103'-0"	3 @ 36'-8"	4 @ 9'-7"	148'-4"
10	6	10	3 @ 22'-1"	2 @ 9'-7"	85'-5"	3 @ 28'-11"	3 @ 9'-7"	115'-6"	3 @ 42'-9"	5 @ 9'-7"	176'-2"
10	7	10	3 @ 25'-3"	3 @ 9'-7"	104'-6"	3 @ 33'-0"	4 @ 9'-7"	137'-4"	3 @ 48'-10"	6 @ 9'-7"	204'-0"
10	8	10	3 @ 28'-5"	3 @ 9'-7"	114'-0"	3 @ 37'-2"	4 @ 9'-7"	149'-10"	3 @ 54'-11"	6 @ 9'-7"	222'-3"
10	9	10	3 @ 31'-7"	4 @ 9'-7"	133'-1"	3 @ 41'-3"	5 @ 9'-7"	171'-8"	3 @ 61'-0"	7 @ 9'-7"	250'-1"
10	10	10	3 @ 34'-9"	4 @ 9'-7"	142'-7"	3 @ 45'-5"	5 @ 9'-7"	184'-2"	3 @ 67'-1"	8 @ 9'-7"	277'-11"
11	2	11	4 @ 9'-9"	N/A	39'-0"	4 @ 12'-9"	N/A	51'-0"	4 @ 18'-11"	N/A	75'-8"
11	3	11	4 @ 12'-11"	N/A	51'-8"	4 @ 16'-11"	N/A	67'-8"	4 @ 25'-0"	3 @ 10'-7"	131'-9"
11	4	11	4 @ 16'-1"	N/A	64'-4"	4 @ 21'-0"	2 @ 10'-7"	105'-2"	4 @ 31'-1"	3 @ 10'-7"	156'-1"
11	6	11	4 @ 22'-5"	2 @ 10'-7"	110'-10"	4 @ 29'-3"	3 @ 10'-7"	148'-9"	4 @ 43'-3"	5 @ 10'-7"	225'-11"
11	8	11	4 @ 28'-9"	3 @ 10'-7"	146'-9"	4 @ 37'-6"	4 @ 10'-7"	192'-4"	4 @ 55'-5"	6 @ 10'-7"	285'-2"
11	10	11	4 @ 35'-0"	4 @ 10'-7"	182'-4"	4 @ 45'-9"	5 @ 10'-7"	235'-11"	4 @ 67'-7"	8 @ 10'-7"	355'-0"
11	11	11	4 @ 38'-2"	4 @ 10'-7"	195'-0"	4 @ 49'-10"	6 @ 10'-7"	262'-10"	4 @ 73'-8"	9 @ 10'-7"	389'-11"
12	2	12	4 @ 10'-0"	N/A	40'-0"	4 @ 13'-1"	N/A	52'-4"	4 @ 19'-5"	N/A	77'-8"
12	3	12	4 @ 13'-2"	N/A	52'-8"	4 @ 17'-3"	N/A	69'-0"	4 @ 25'-6"	3 @ 11'-7"	136'-9"
12	4	12	4 @ 16'-4"	N/A	65'-4"	4 @ 21'-4"	2 @ 11'-7"	108'-6"	4 @ 31'-7"	4 @ 11'-7"	172'-8"
12	6	12	4 @ 22'-8"	2 @ 11'-7"	113'-10"	4 @ 29'-7"	3 @ 11'-7"	153'-1"	4 @ 43'-9"	5 @ 11'-7"	232'-11"
12	8	12	4 @ 29'-0"	3 @ 11'-7"	150'-9"	4 @ 37'-10"	4 @ 11'-7"	197'-8"	4 @ 55'-11"	7 @ 11'-7"	304'-9"
12	10	12	4 @ 35'-4"	4 @ 11'-7"	187'-8"	4 @ 46'-1"	5 @ 11'-7"	242'-3"	4 @ 68'-1"	8 @ 11'-7"	365'-0"
12	12	12	4 @ 41'-8"	5 @ 11'-7"	224'-7"	4 @ 54'-4"	6 @ 11'-7"	286'-10"	4 @ 80'-3"	10 @ 11'-7"	436'-10"

TPGBC-ZS

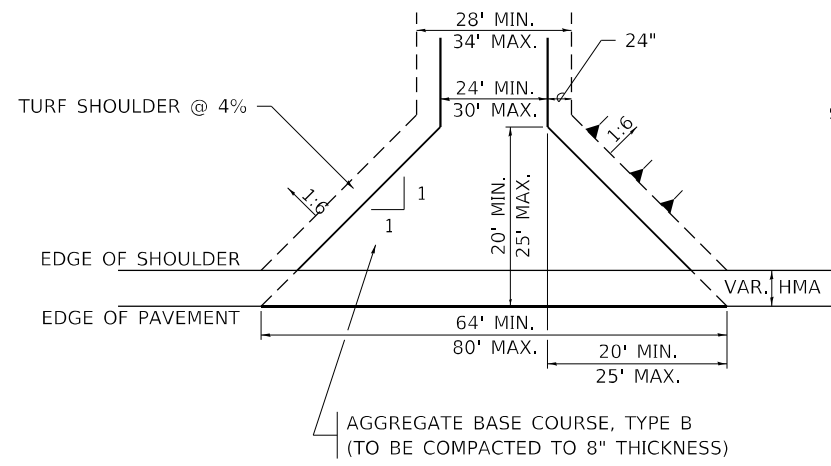
2-17-2017

TRAVERSABLE PIPE GRATE FOR BOX CULVERT END SECTIONS SHEET 2 OF 2 13.1

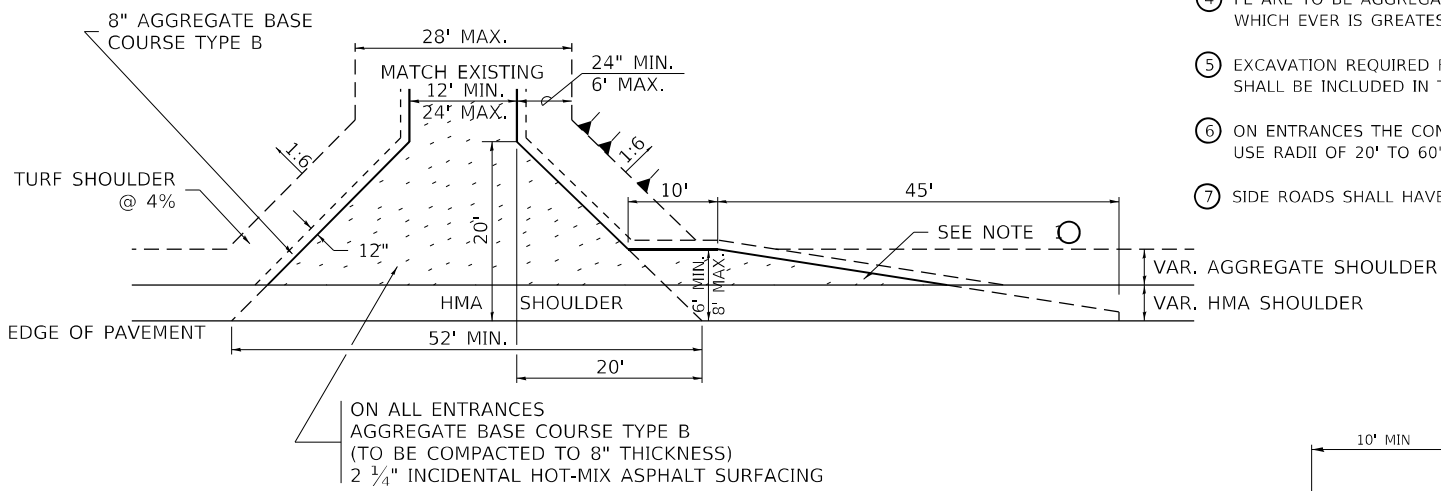
(Sheet 2 of 2)

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	DRAWN -	REVISD - 5-09-14	17			15CR & SR	CARROLL	73	37	
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISD -	CONTRACT NO. 64M17							
PLOT DATE = 12/7/2021	DATE -	REVISD -	SCALE:			SHEET 7	OF 12 SHEETS	STA.	TO STA.	ILLINOIS

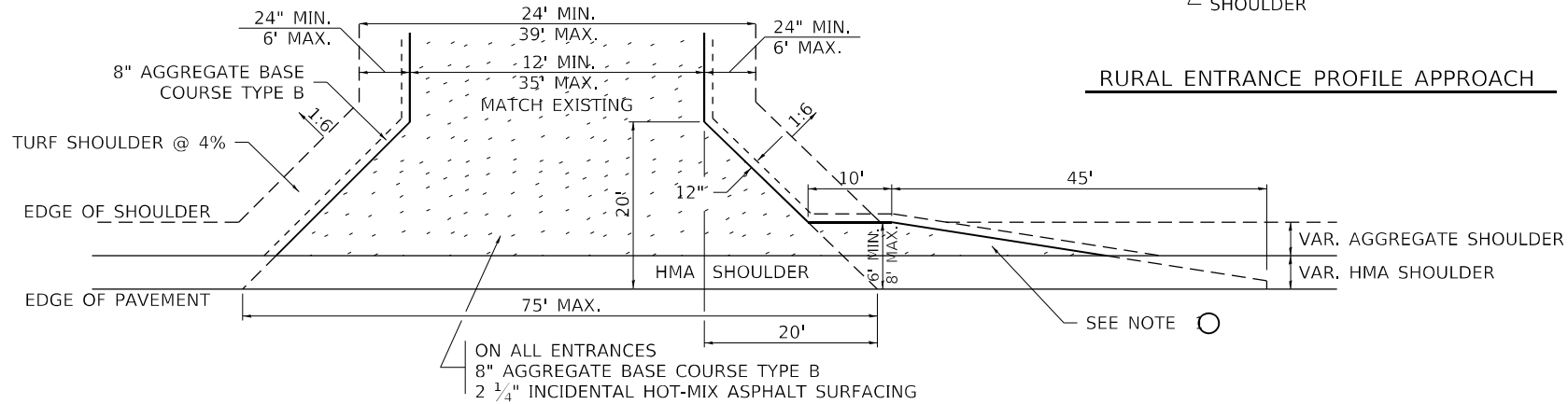
# HOT-MIX ASPHALT APPROACHES AND MAILBOX RETURNS



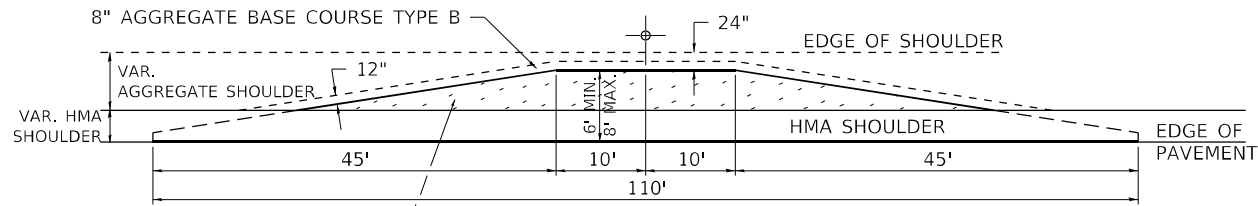
**FIELD ENTRANCE**



**PRIVATE ENTRANCE**



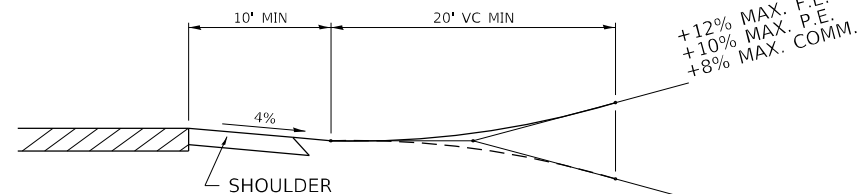
**COMMERCIAL ENTRANCE**



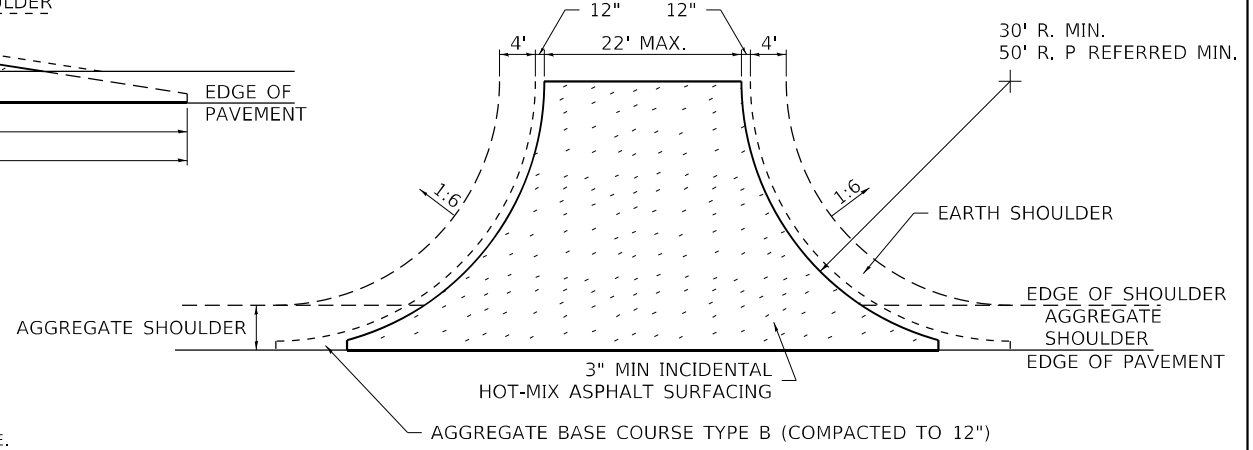
**MAILBOX TURNOUT**

**NOTE**

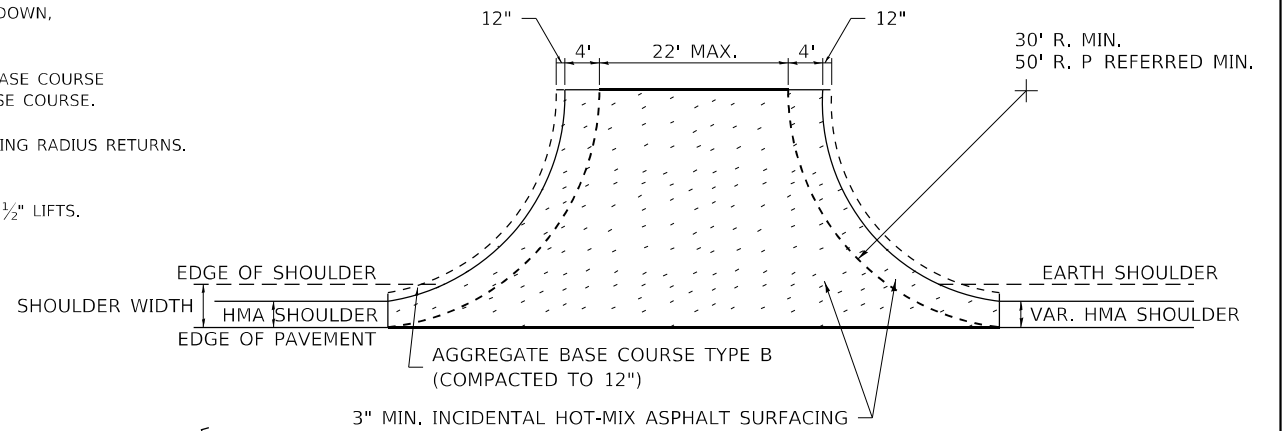
- ① TURNOUTS ARE TO BE CONSTRUCTED ON THE APPROACH SIDE OF ALL PE & CE REGARDLESS IF A MAILBOX IS PRESENT.
- ② ALL PE & CE ARE TO BE SURFACED TO RIGHT OF WAY LINE. AREA BEHIND RIGHT OF WAY SHALL MATCH EXISTING SURFACE.
- ③ ALL PE & CE TO BE CONSTRUCTED WITH AN 8" AGGREGATE BASE COURSE, TYPE B AND WITH A 2 1/4" INCIDENTAL HOT-MIX ASPHALT SURFACING, UNLESS OTHERWISE NOTED.
- ④ FE ARE TO BE AGGREGATE TO RIGHT OF WAY OR TOUCH DOWN, WHICH EVER IS GREATEST.
- ⑤ EXCAVATION REQUIRED FOR PLACEMENT OF AGGREGATE BASE COURSE SHALL BE INCLUDED IN THE COST OF THE AGGREGATE BASE COURSE.
- ⑥ ON ENTRANCES THE CONTRACTOR HAS THE OPTION OF USING RADIUS RETURNS. USE RADII OF 20' TO 60'.
- ⑦ SIDE ROADS SHALL HAVE 3" INCIDENTAL PLACED IN TWO 1 1/2" LIFTS.



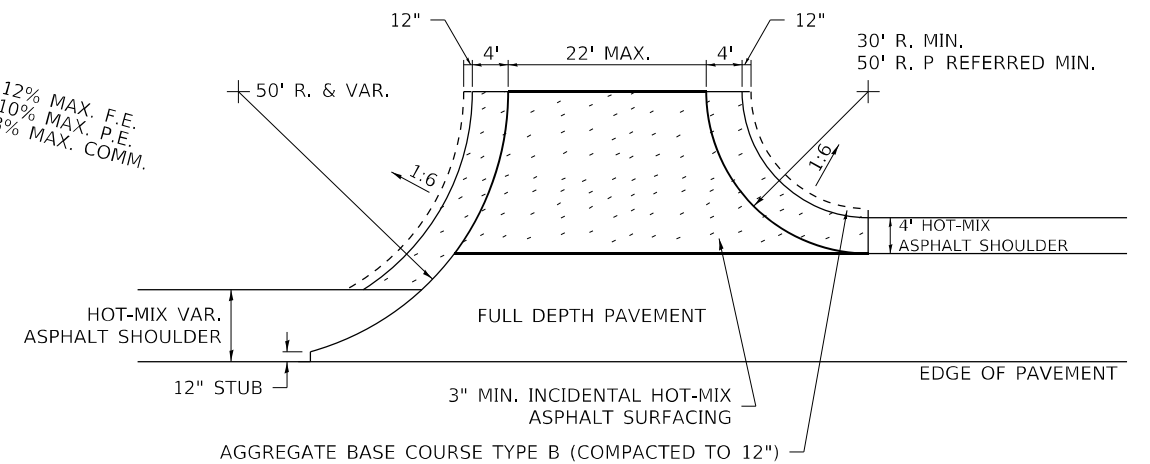
**RURAL ENTRANCE PROFILE APPROACH**



**SIDE ROAD RETURN/EARTH SHOULDER**



**SIDE ROAD RETURN/HMA SHOULDER**



**SIDE ROAD RETURN WITH RIGHT TURN LANE**

## HOT-MIX ASPHALT APPROACHES AND MAILBOX RETURNS

20.1

MODEL: Default FILE NAME: p:\suburnum\pwr\com\suburnum\pwr\PROJECTS\2020\PROJECTS\2020\PROJECTS\2020\DOT D2 FFB 190322.WD0.#7 IL 17 Culvert Replacement\DOT\CAD\_Sheets\2020\17-2020.stb

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	DRAWN -	REVISED - 1-13-17
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED - 6-27-14
PLOT DATE = 12/7/2021	DATE -	REVISED - 8-27-13

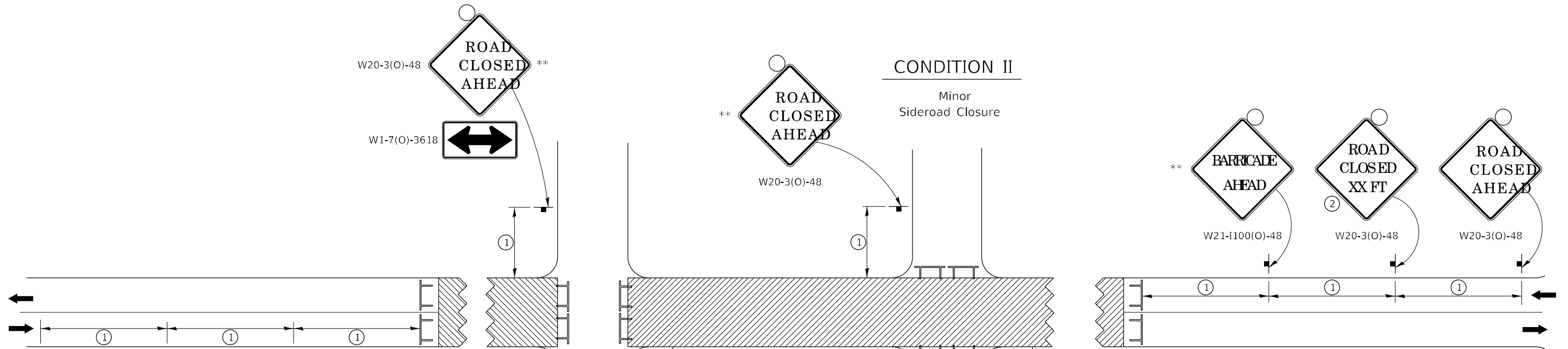
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

REGION 2 /DISTRICT 2  
STANDARDS




SCALE: SHEET 8 OF 12 SHEETS STA. TO STA.

F.A.P. RTE. 17	SECTION 15CR & SR	COUNTY CARROLL	TOTAL SHEETS 73	SHEET NO. 38
CONTRACT NO. 64M17				
ILLINOIS FED. AID PROJECT				

# TRAFFIC CONTROL FOR ROAD CLOSURE



## SYMBOLS

-  Work area
-  Type III Barricade with Flashers
-  Sign with flashing light

## GENERAL NOTES

Longitudinal dimensions may be adjusted to fit field conditions.

Side roads requiring all three signs as shown in CONDITION I (Major Sideroad Closure), shall be listed in the special provision.

\*\* Where local access is to be maintained, barricades are to be set up as shown in "Road Closed To Thru Traffic". Type III Barricades and R11-2-4830 signs shall be as shown in "Road Closed To All Traffic" detail on Highway Standard 701901.

All dimensions are in inches unless otherwise shown.

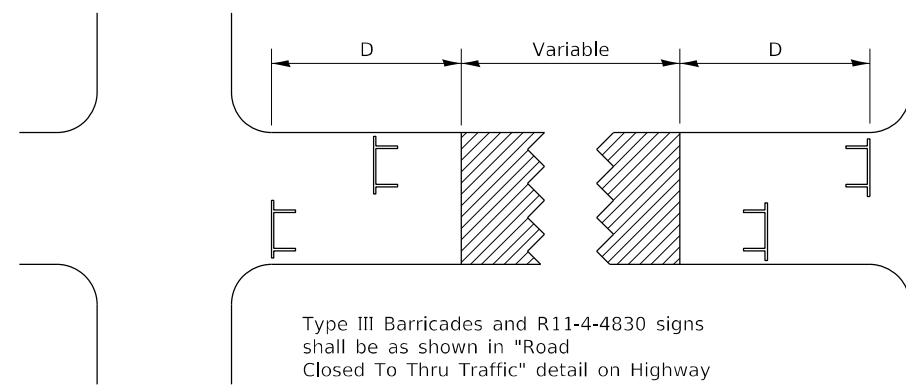
①

SIGN SPACING TABLE	
Posted Speed	Sign Spacing
45 MPH and above	500'
Below 45 MPH	250'

②

SIGN LEGEND	
Posted Speed Limit	Distance
45 MPH and above	1000'
Below 45 MPH	500'

## ROAD CLOSED TO THRU TRAFFIC BARRICADE SET UP



Type III Barricades and R11-4-4830 signs shall be as shown in "Road Closed To Thru Traffic" detail on Highway Standard 701901. If the distance "D" exceeds 2000' an additional set of barricades and R11-4-4830 shall be placed at each end of the work area.

## TRAFFIC CONTROL FOR ROAD CLOSURE 40.1

## TYPICAL APPLICATION FOR ROAD CLOSURE

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	DRAWN -	REVISED - 1-05-16
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED - 8-27-13
PLOT DATE = 12/7/2021	DATE -	REVISED - 10-17-11

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

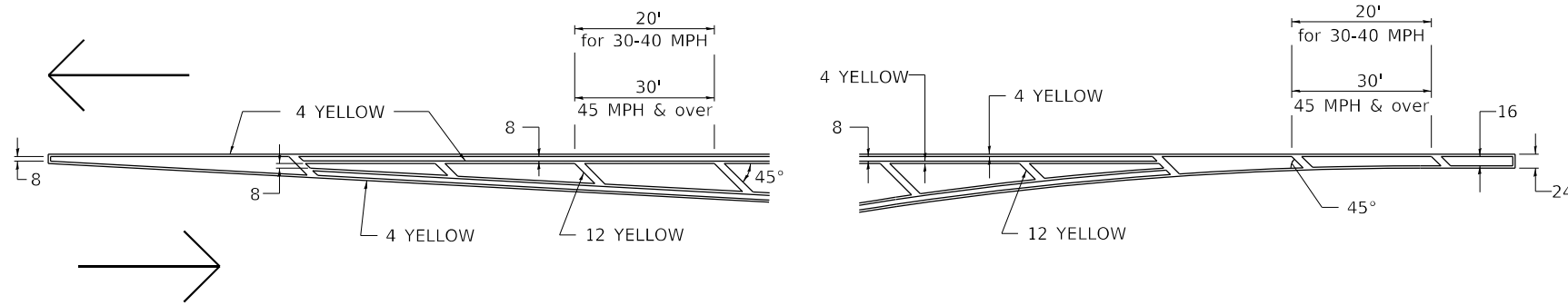
REGION 2 / DISTRICT 2  
STANDARDS

SCALE: SHEET 9 OF 12 SHEETS STA. TO STA.

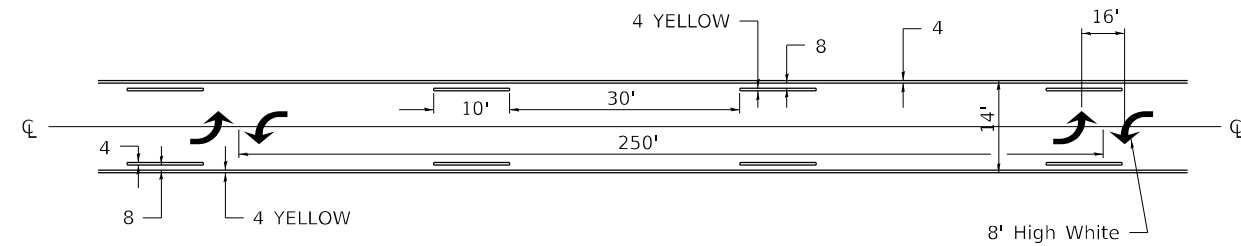
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	15CR & SR	CARROLL	73	39
CONTRACT NO. 64M17				
ILLINOIS FED. AID PROJECT				

# TYPICAL PAVEMENT MARKINGS

## TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN AT LEFT TURN LANE

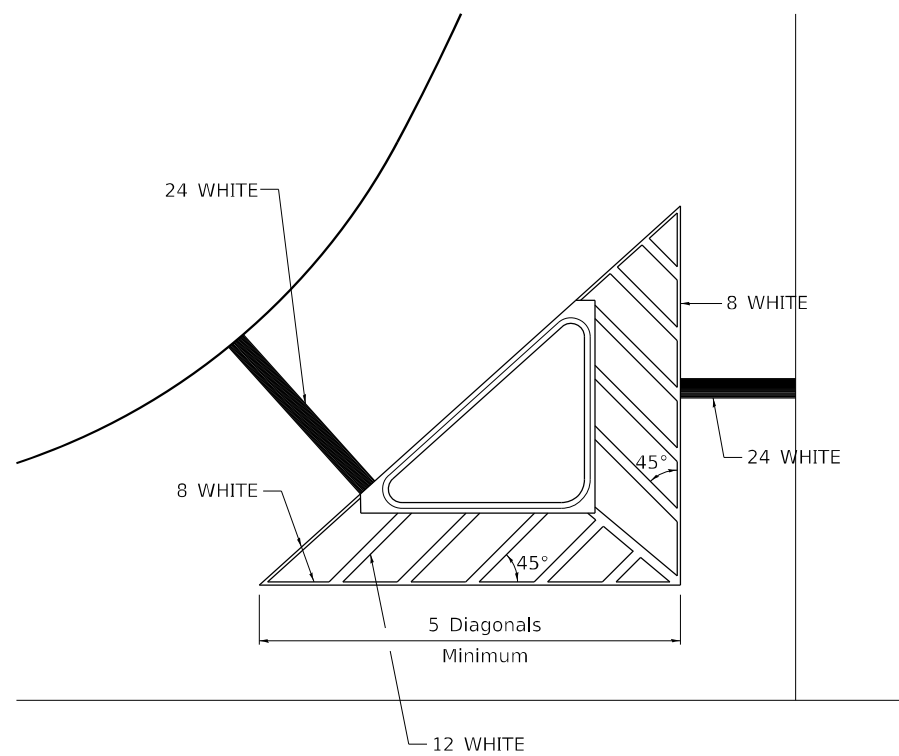


## MEDIAN PAVEMENT MARKING



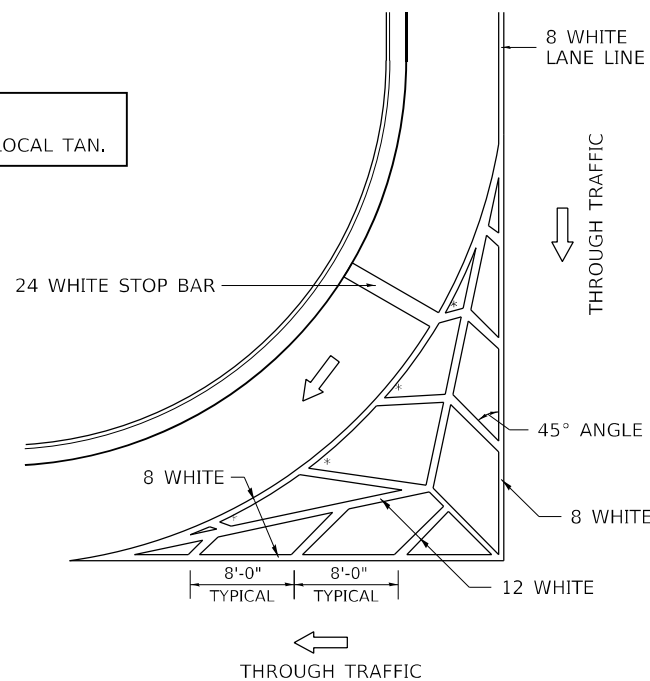
\*\* ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

## TYPICAL ISLAND OFFSET SHOULDER WIDTH



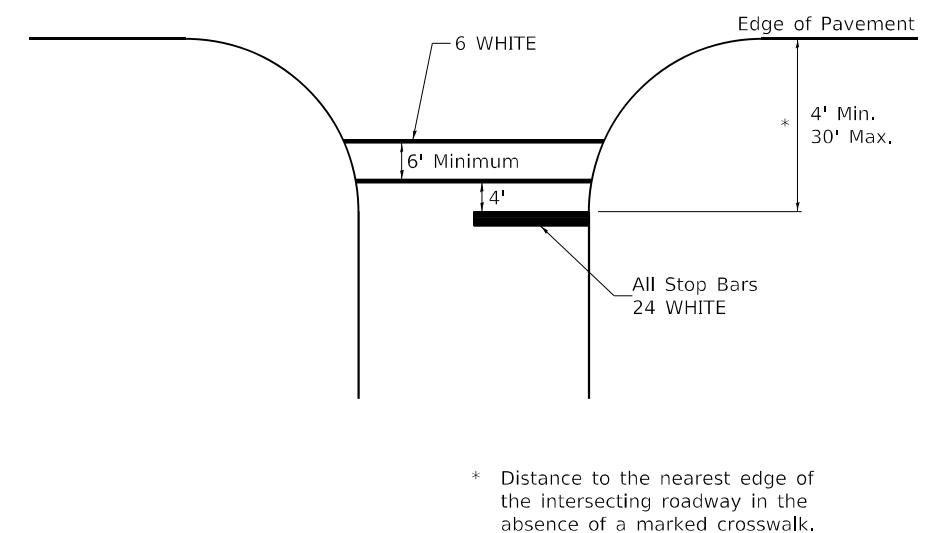
## TYPICAL MARKING FOR PAINTED ISLANDS

NOTE:  
\* 45° TO LOCAL TAN.



## STANDARD CROSSWALK MARKING

See Schedules for Locations



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DRAWN -	REVISOR -	REVISOR -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISOR -
PLOT DATE = 12/7/2021	DATE -	REVISOR -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2  
STANDARDS

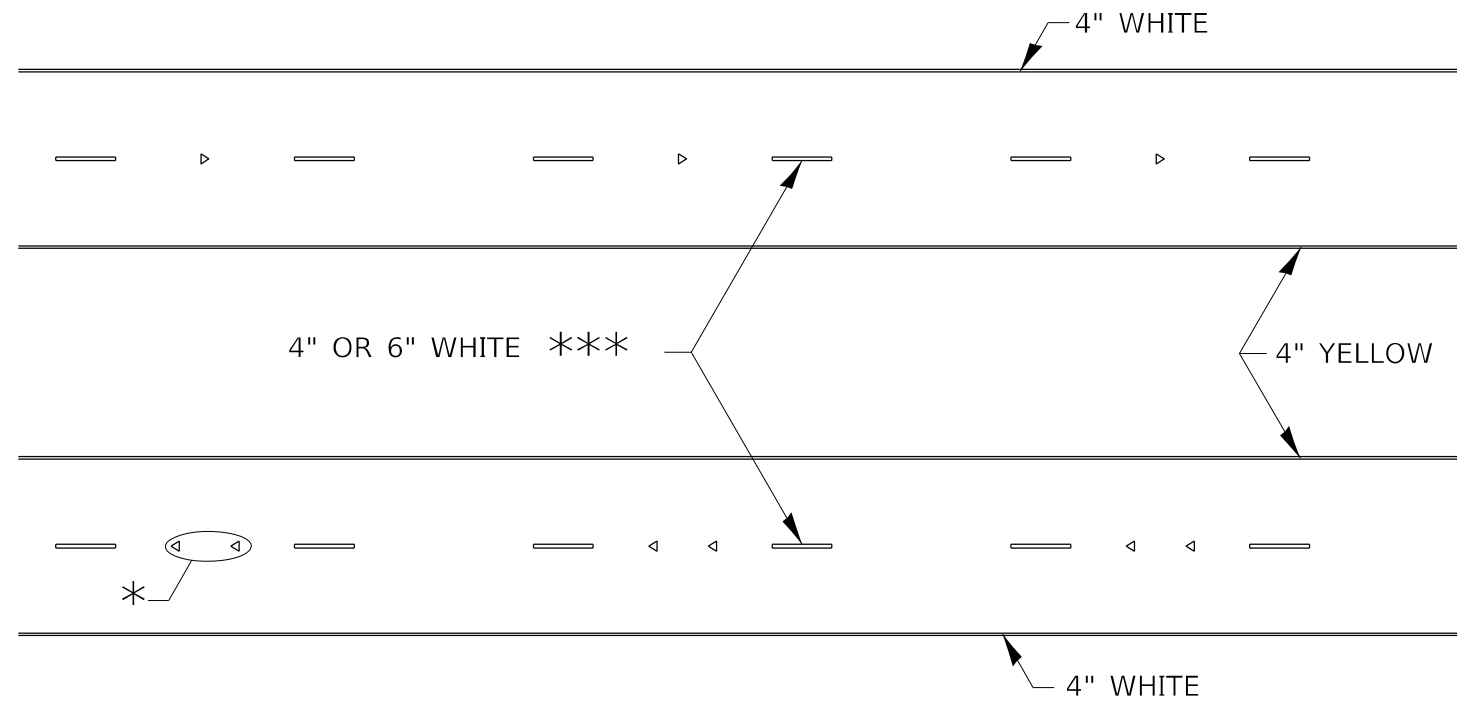
SCALE: SHEET 10 OF 12 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	15CR & SR	CARROLL	73	40
CONTRACT NO. 64M17				
ILLINOIS FED. AID PROJECT				



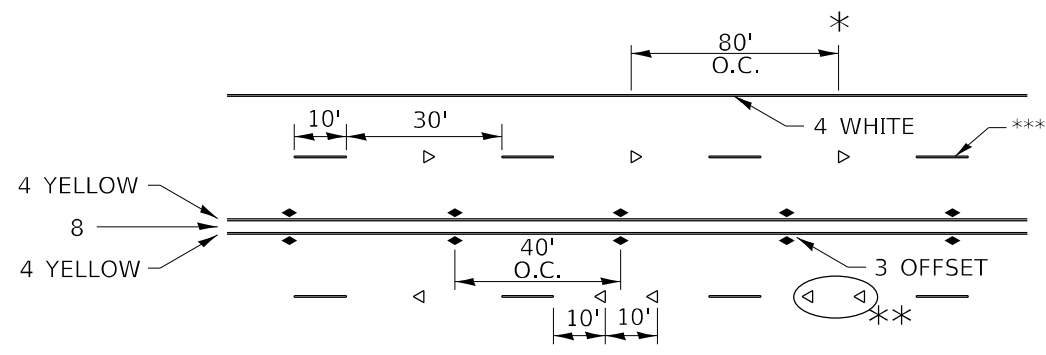


# TYPICAL PAVEMENT MARKINGS



\* SEE HIGHWAY STANDARD 781001 FOR SPACING DETAILS.  
USE DOUBLE MARKERS WHEN ADT  $\geq$  20,000.

## MULTI-LANE / DIVIDED



\* REDUCE TO 40' O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH LOWER THAN POSTED SPEEDS.

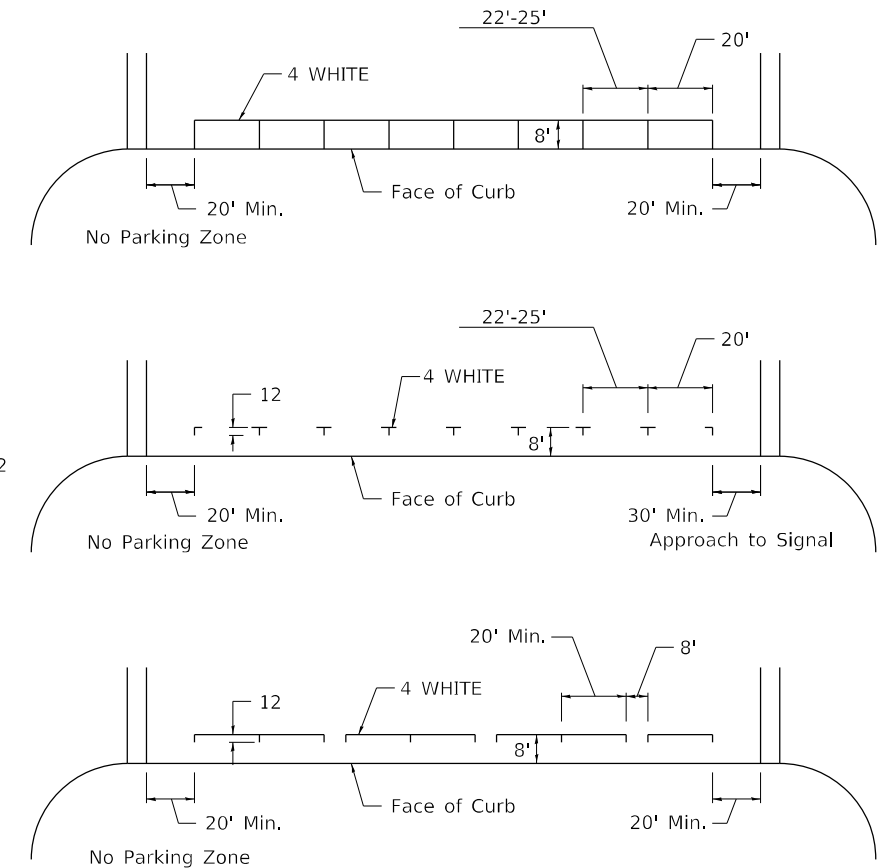
\*\* USE DOUBLE MARKERS WHEN ADT  $\geq$  20,000

\*\*\* CENTERLINE SKIP DASH PAVEMENT MARKING SPEED LIMIT LESS THAN 40 MPH USE 4" LINE. SPEED LIMIT 40 MPH AND OVER USE 6" LINE.

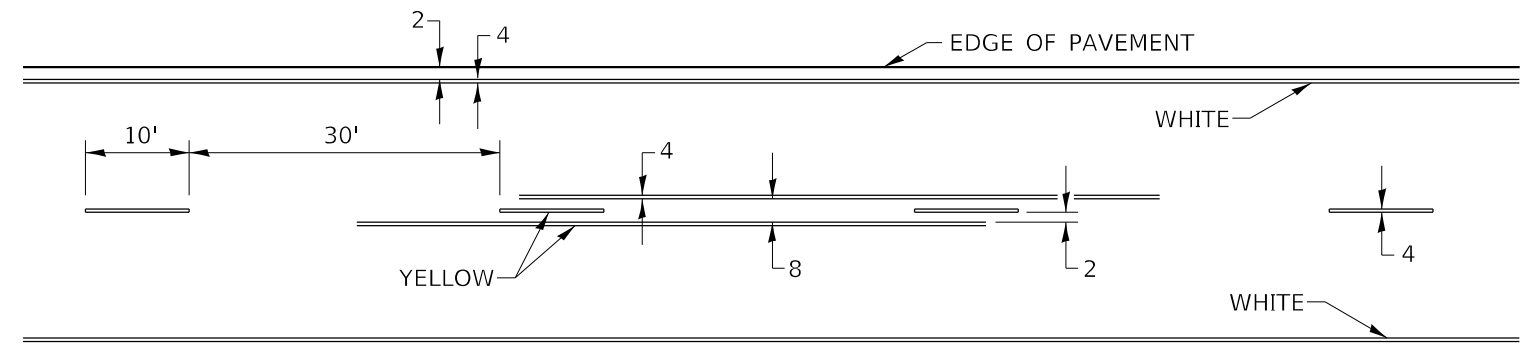
## MULTI-LANE / UNDIVIDED & ONE WAY

(FOR MULTI-LANE UNDIVIDED HIGHWAYS USE THIS DETAIL NOT HIGHWAY STANDARD 781001)

## TYPICAL PARKING SPACING



## TYPICAL PAVEMENT MARKING FOR TWO LANE SECTION – NO PASSING ZONES



## SYMBOLS

MODEL: Default  
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DRAWN -	DRAWN -	REVISED -
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PLOT DATE = 12/7/2021	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2  
STANDARDS

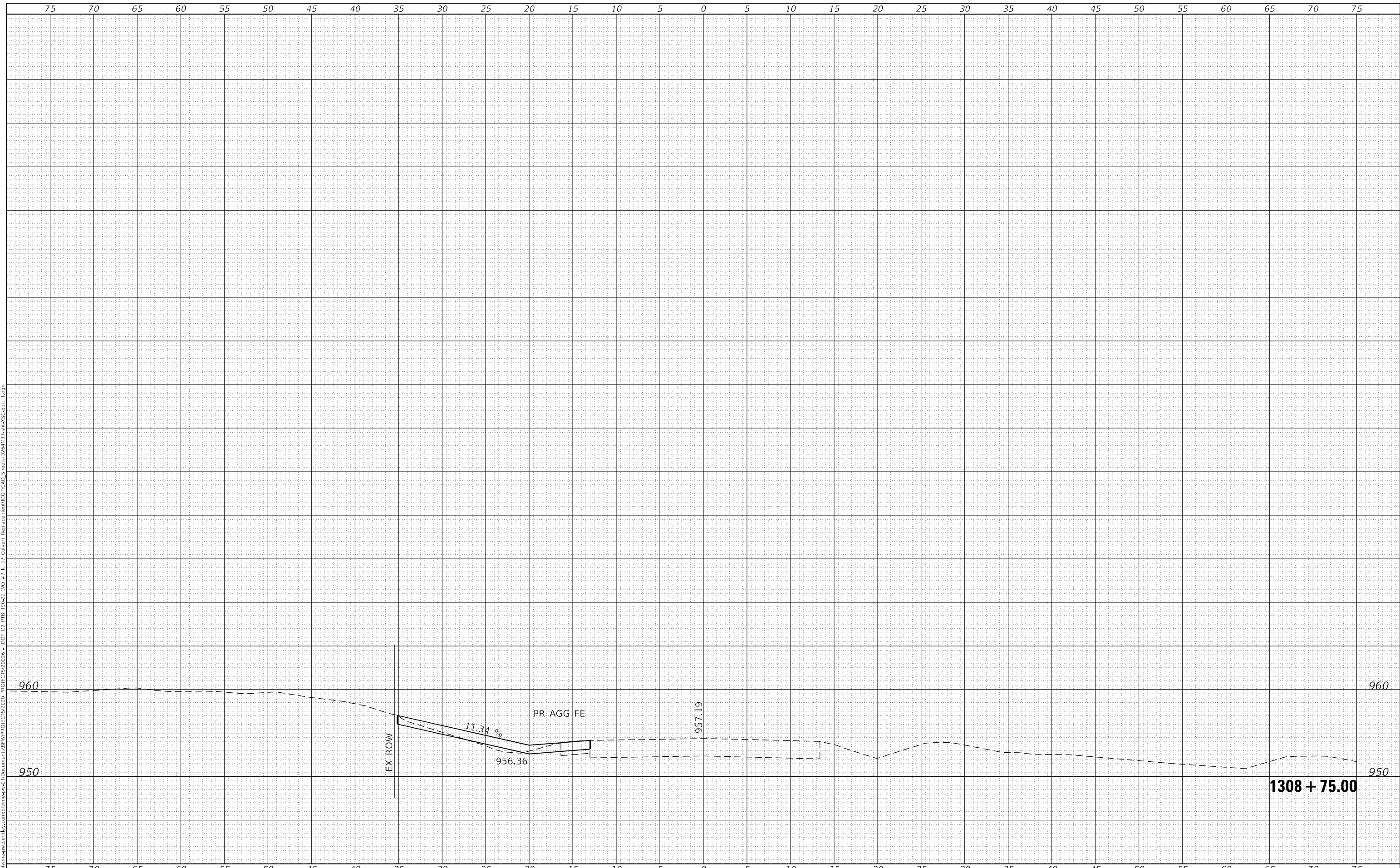
SCALE: SHEET 12 OF 12 SHEETS STA. TO STA.

F.A.P. RTE. 17	SECTION 15CR & SR	COUNTY CARROLL	TOTAL SHEETS 73	SHEET NO. 42
CONTRACT NO. 64M17				
ILLINOIS FED. AID PROJECT				

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

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

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PLOT SCALE = 10,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 12/7/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SCALE:	SHEET 1 OF 31 SHEETS	STA. 1308+50.00 TO STA. 1308+75.00
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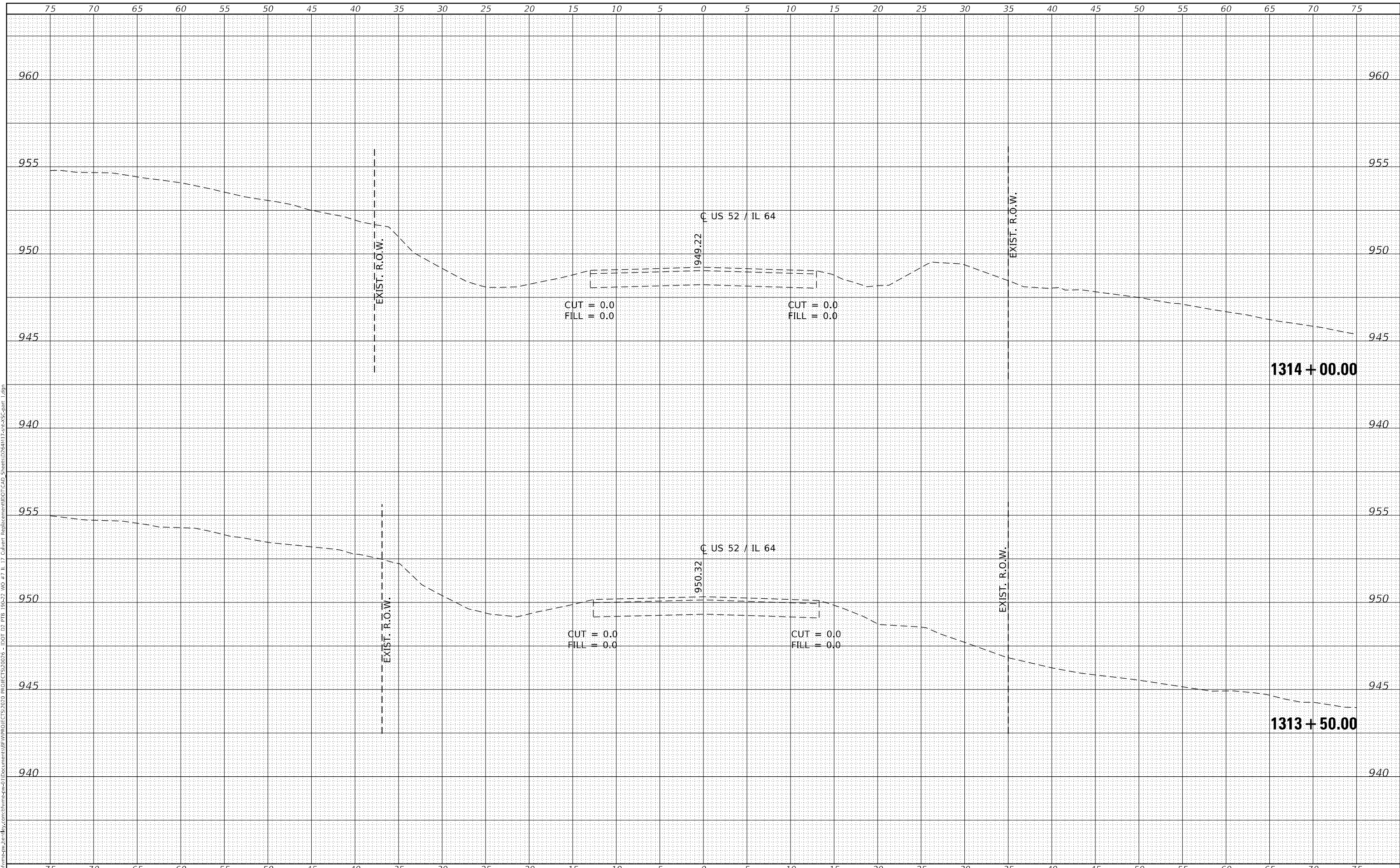
**US 52 /IL 64  
CROSS SECTIONS**

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	15CR & SR	CARROLL	73	43
				CONTRACT NO. 64M17
		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**US 52 /IL 64  
CROSS SECTIONS**

SCALE: SHEET 2 OF 31 SHEETS STA. 1313+50.00 TO STA. 1314+00.00

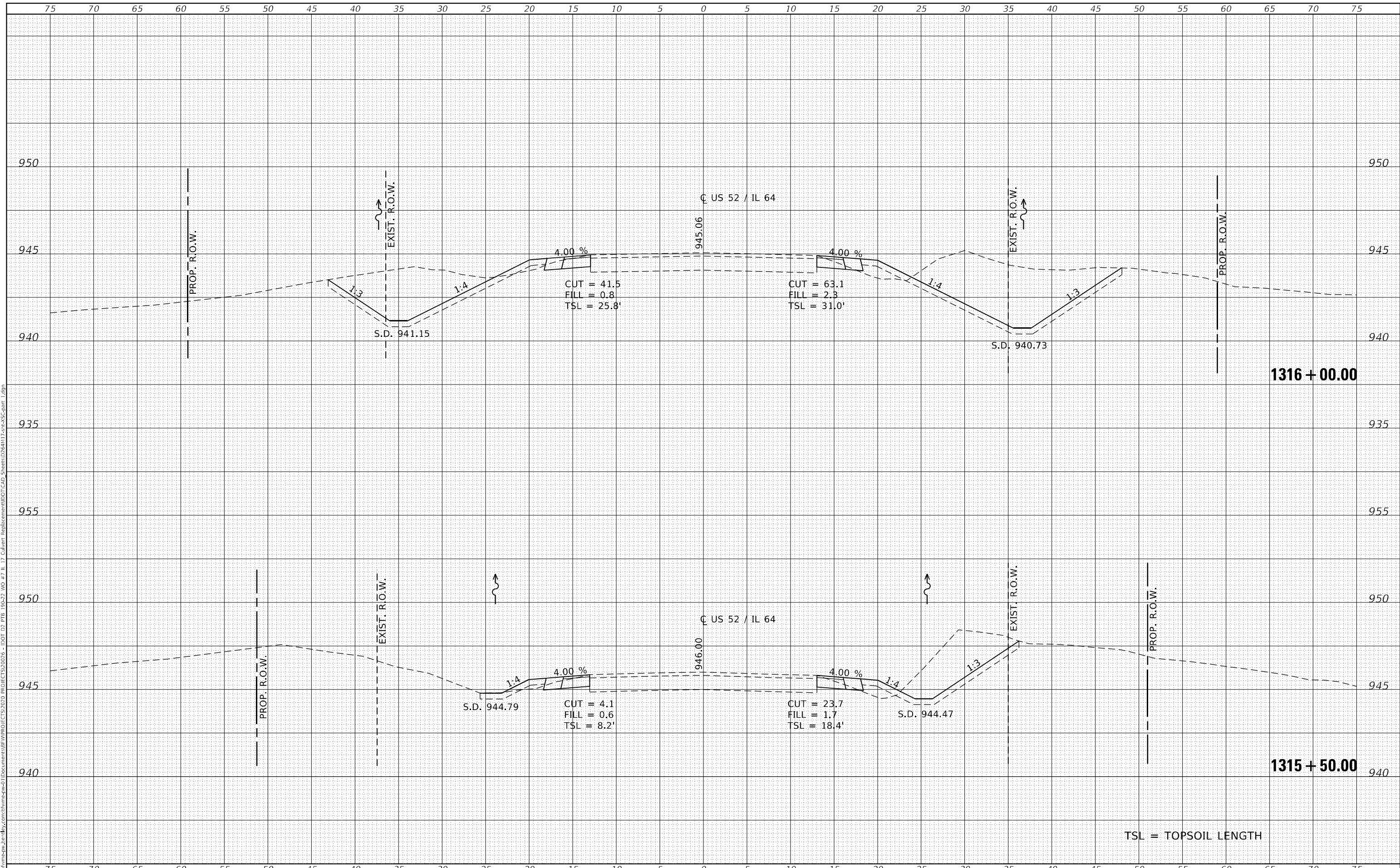
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	15CR & SR	CARROLL	73	44
				CONTRACT NO. 64M17
				ILLINOIS FED. AID PROJECT



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

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

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**1316 + 00.00**

**1315 + 50.00**

TSL = TOPSOIL LENGTH

USER NAME = tsagle	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/7/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**US 52 / IL 64  
CROSS SECTIONS**

SCALE: SHEET 4 OF 31 SHEETS STA. 1315+50.00 TO STA. 1316+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	15CR & SR	CARROLL	73	46
			CONTRACT NO. 64M17	
		ILLINOIS	FED. AID PROJECT	







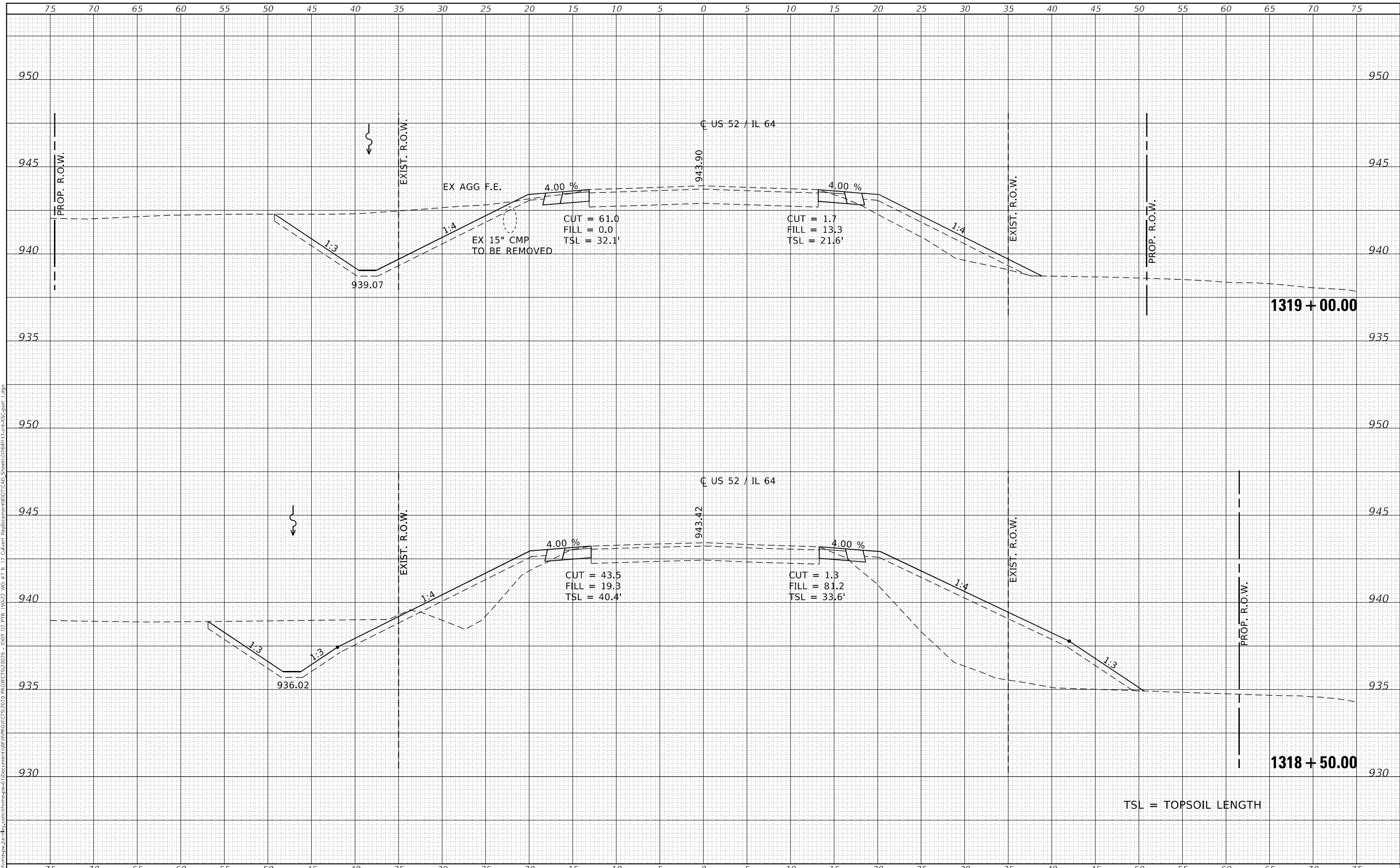




DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED
	AREAS CHECKED

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

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TSL = TOPSOIL LENGTH

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PLOT SCALE = 10,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/7/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

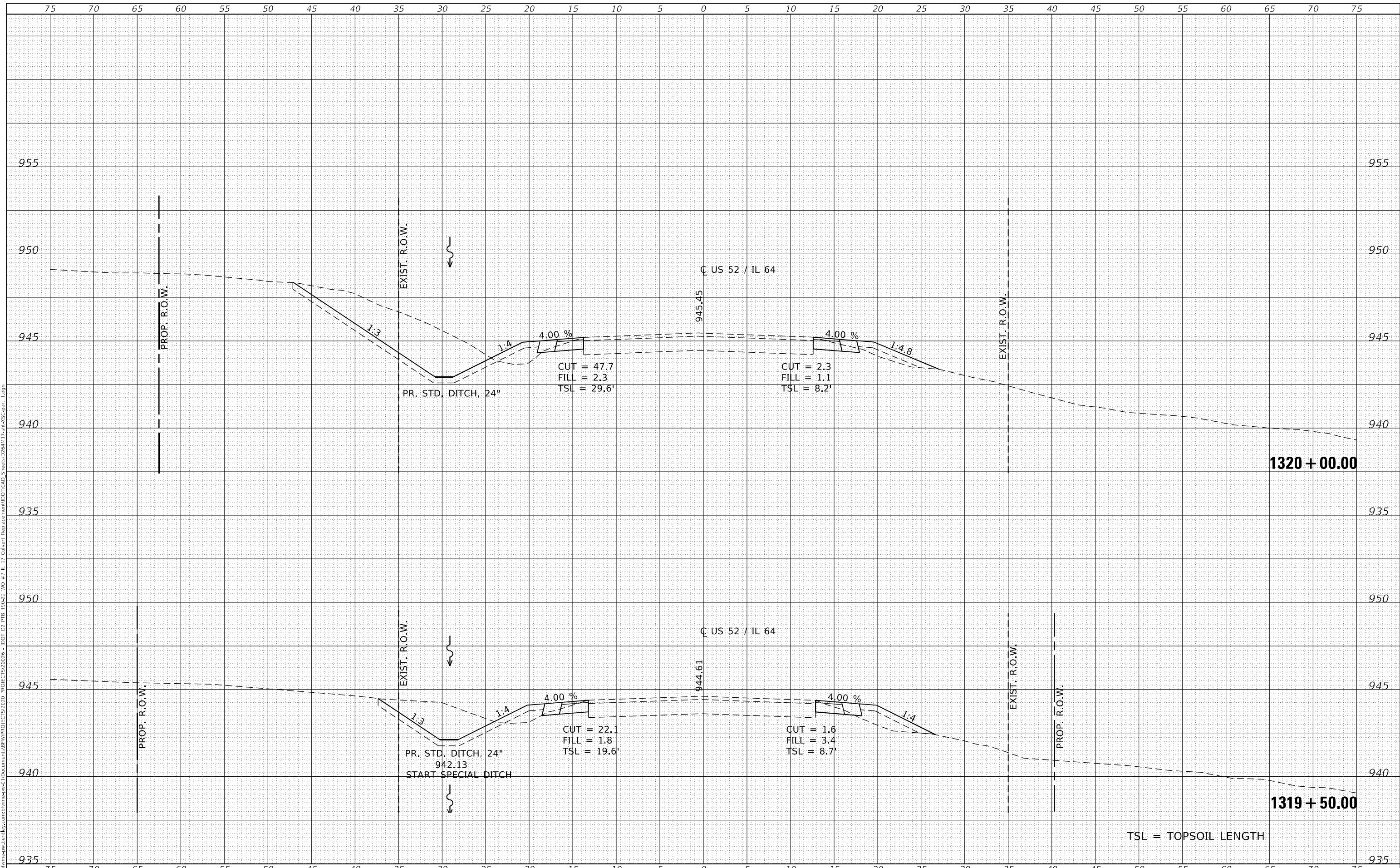
<b>US 52 /IL 64 CROSS SECTIONS</b>	
SCALE:	SHEET 9 OF 31 SHEETS
STA. 1318+50.00 TO STA. 1319+00.00	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	15CR & SR	CARROLL	73	51
CONTRACT NO. 64M17				
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

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USER NAME = tsagle	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 12/7/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**US 52 / IL 64  
CROSS SECTIONS**

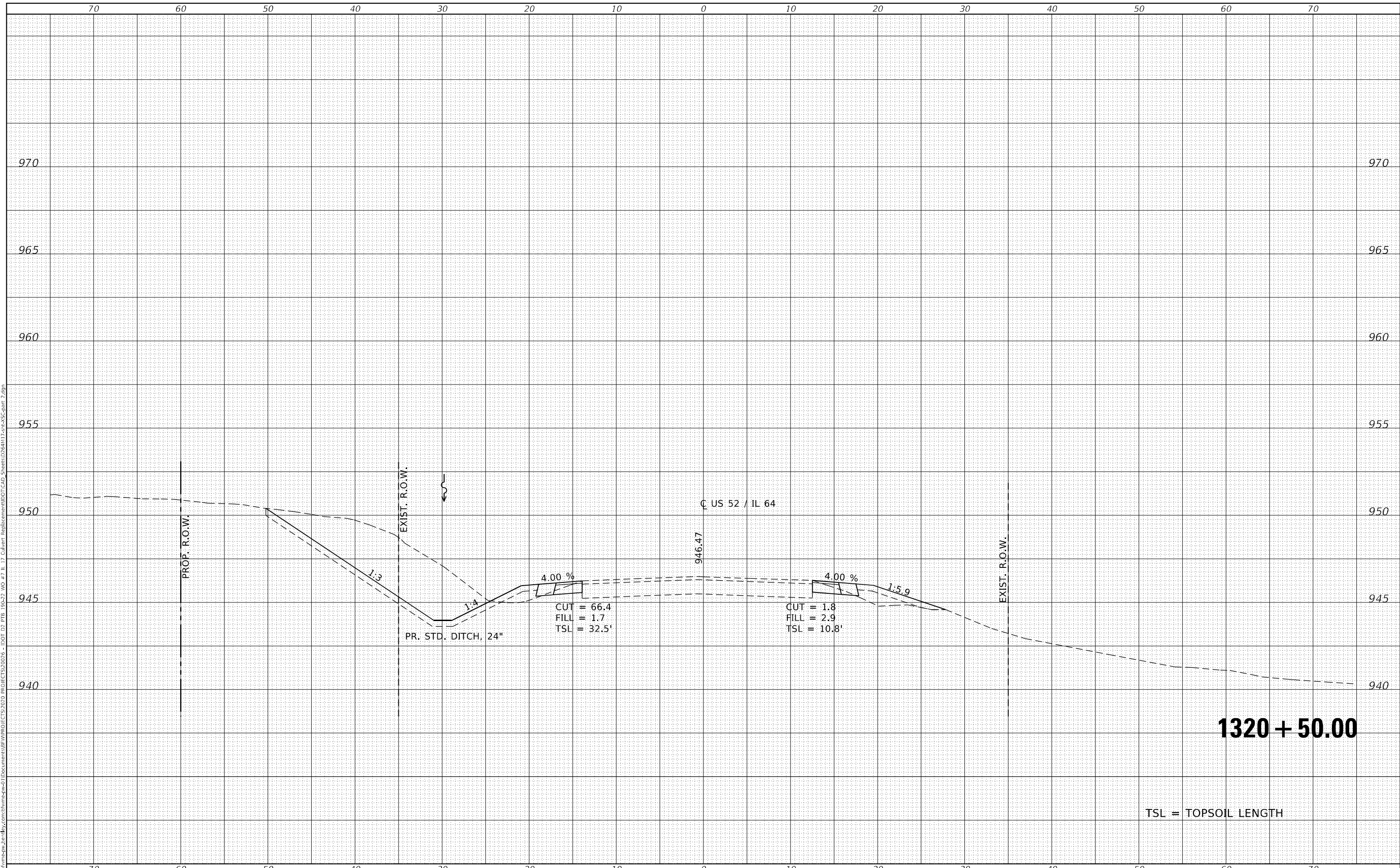
SCALE: SHEET 10 OF 31 SHEETS STA. 1319+50.00 TO STA. 1320+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	15CR & SR	CARROLL	73	52
				CONTRACT NO. 64M17
				ILLINOIS FED. AID PROJECT

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

ORIGINAL SURVEY NO.	SURVEYED	DATE
	PLOTTED	
	TEMPLATE	
	AREAS CHECKED	

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**1320 + 50.00**

TSL = TOPSOIL LENGTH

USER NAME = tsagle	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 12/7/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>US 52 / IL 64 CROSS SECTIONS</b>	
SCALE:	SHEET 11 OF 31 SHEETS
STA. 1320+50.00 TO STA. 1320+50.00	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	15CR & SR	CARROLL	73	53
				CONTRACT NO. 64M17
		ILLINOIS	FED. AID PROJECT	

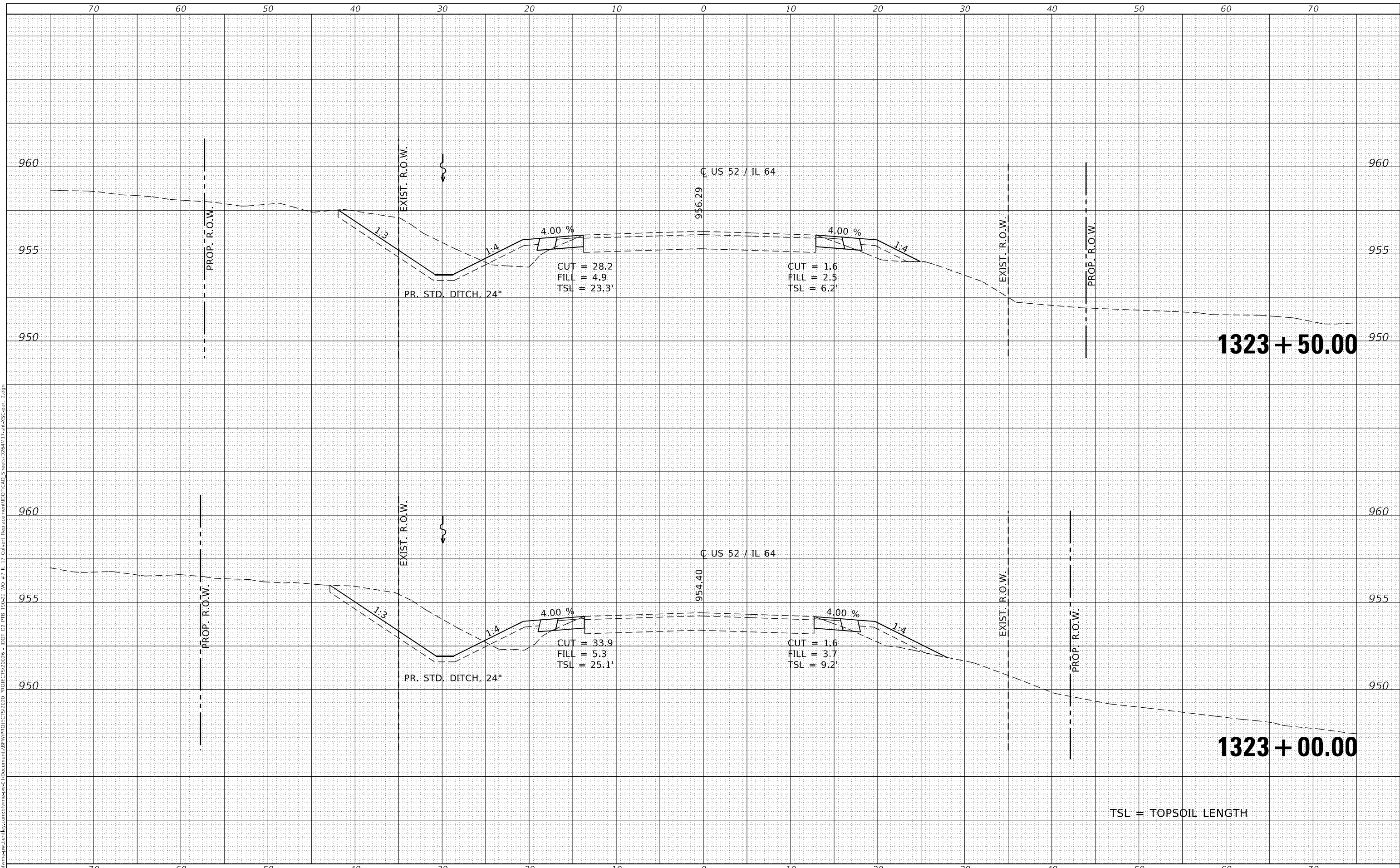




DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	AREAS CHECKED

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

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TSL = TOPSOIL LENGTH

USER NAME = tsagle	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/7/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>US 52 / IL 64 CROSS SECTIONS</b>	
SCALE:	SHEET 14 OF 31 SHEETS
STA. 1323+00.00 TO STA. 1323+50.00	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	15CR & SR	CARROLL	73	56
CONTRACT NO. 64M17				
ILLINOIS FED. AID PROJECT				

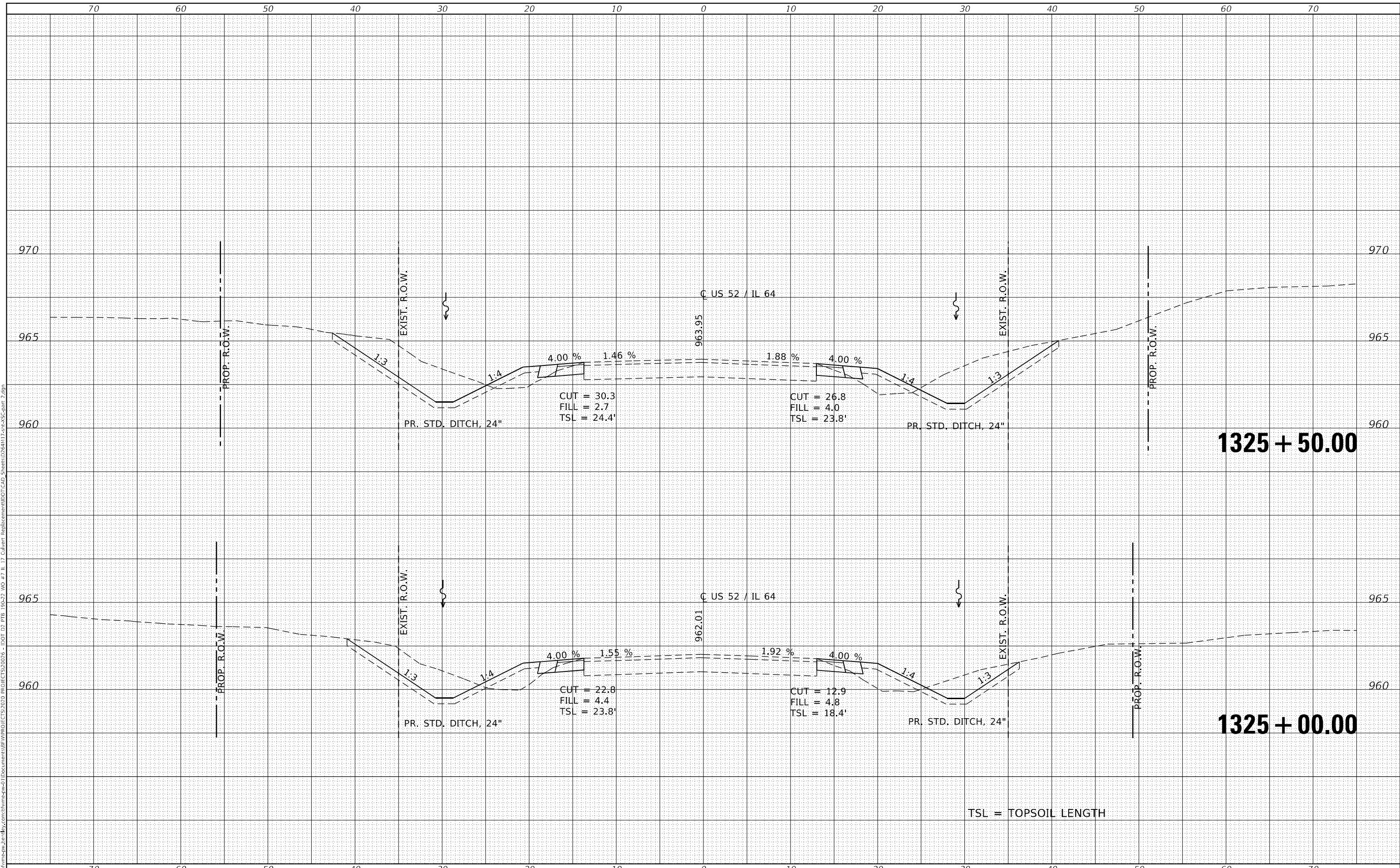




FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	TEMPLATE	
	AREAS CHECKED	
	AREAS CHECKED	

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

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USER NAME = tsagle	DESIGNED -	REVISD -
	DRAWN -	REVISD -
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PLOT DATE = 12/7/2021	DATE -	REVISD -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**US 52 / IL 64  
CROSS SECTIONS**

SCALE: SHEET 16 OF 31 SHEETS STA. 1325+00.00 TO STA. 1325+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	15CR & SR	CARROLL	73	58
			CONTRACT NO. 64M17	
			ILLINOIS FED. AID PROJECT	

TSL = TOPSOIL LENGTH



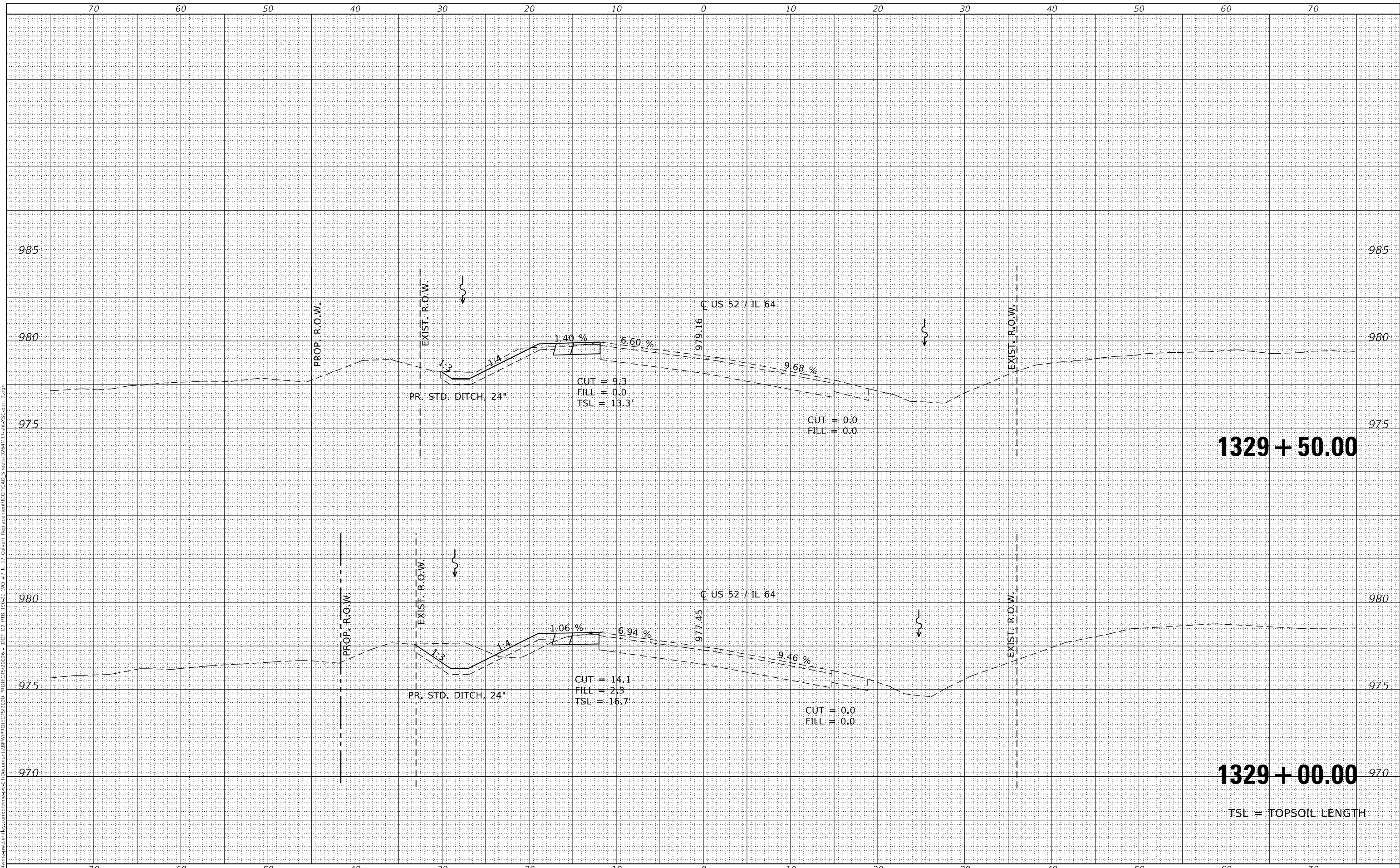




DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

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

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USER NAME = tsagle	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/8/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>US 52 / IL 64 CROSS SECTIONS</b>	
SCALE:	SHEET 20 OF 31 SHEETS
STA. 1329+00.00 TO STA. 1329+50.00	

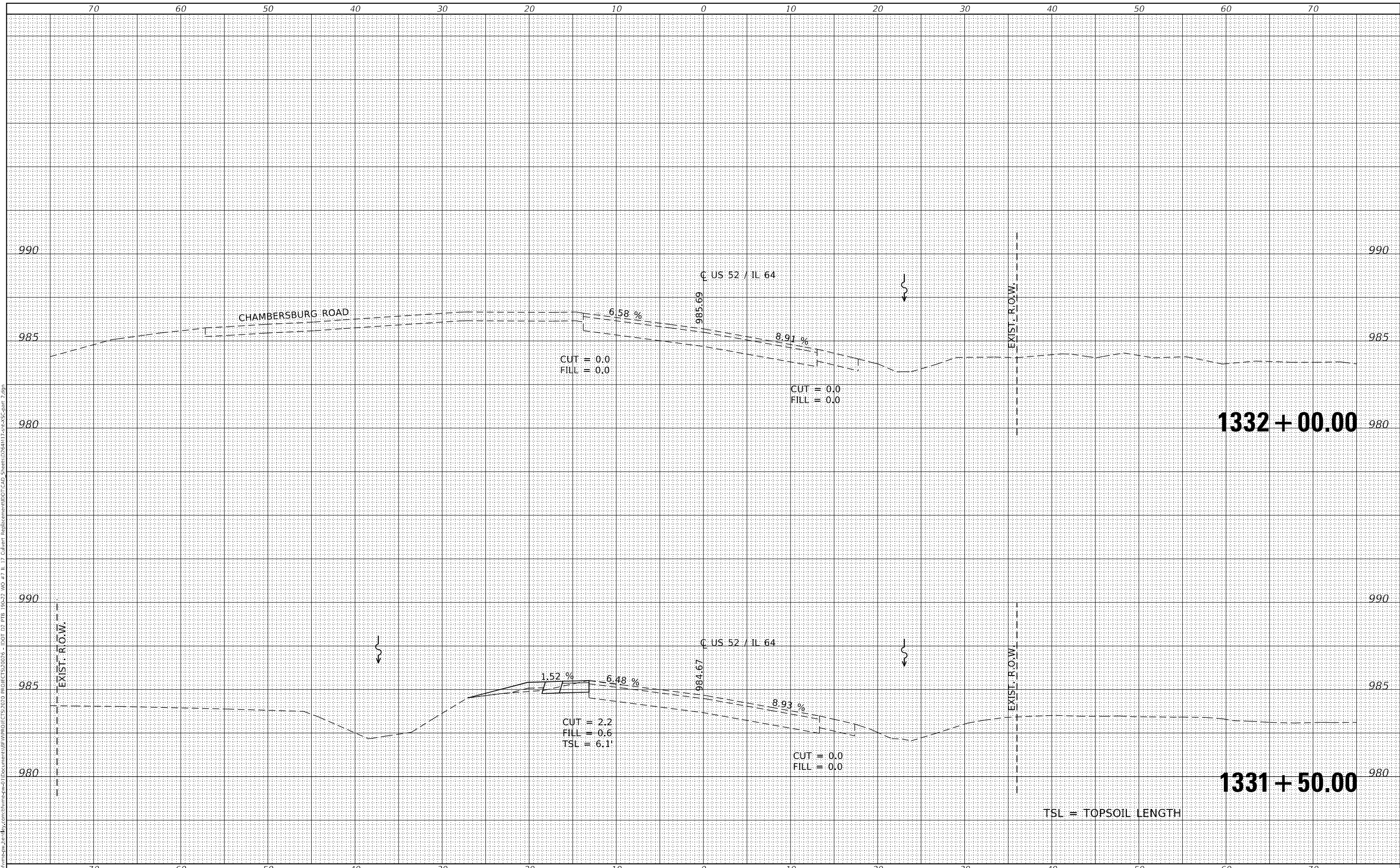
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	15CR & SR	CARROLL	73	62
CONTRACT NO. 64M17				
ILLINOIS FED. AID PROJECT				



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

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

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CUT = 0.0  
 FILL = 0.0

CUT = 0.0  
 FILL = 0.0

CUT = 2.2  
 FILL = 0.6  
 TSL = 6.1'

CUT = 0.0  
 FILL = 0.0

TSL = TOPSOIL LENGTH

**1332 + 00.00**

**1331 + 50.00**

USER NAME = tsagle	DESIGNED -	REVISIED -
	DRAWN -	REVISIED -
PLOT SCALE = 10,0000' / in.	CHECKED -	REVISIED -
PLOT DATE = 12/8/2021	DATE -	REVISIED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

SCALE:		SHEET 22	OF 31	SHEETS	STA. 1331+50.00	TO STA. 1332+00.00
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**US 52 / IL 64  
 CROSS SECTIONS**

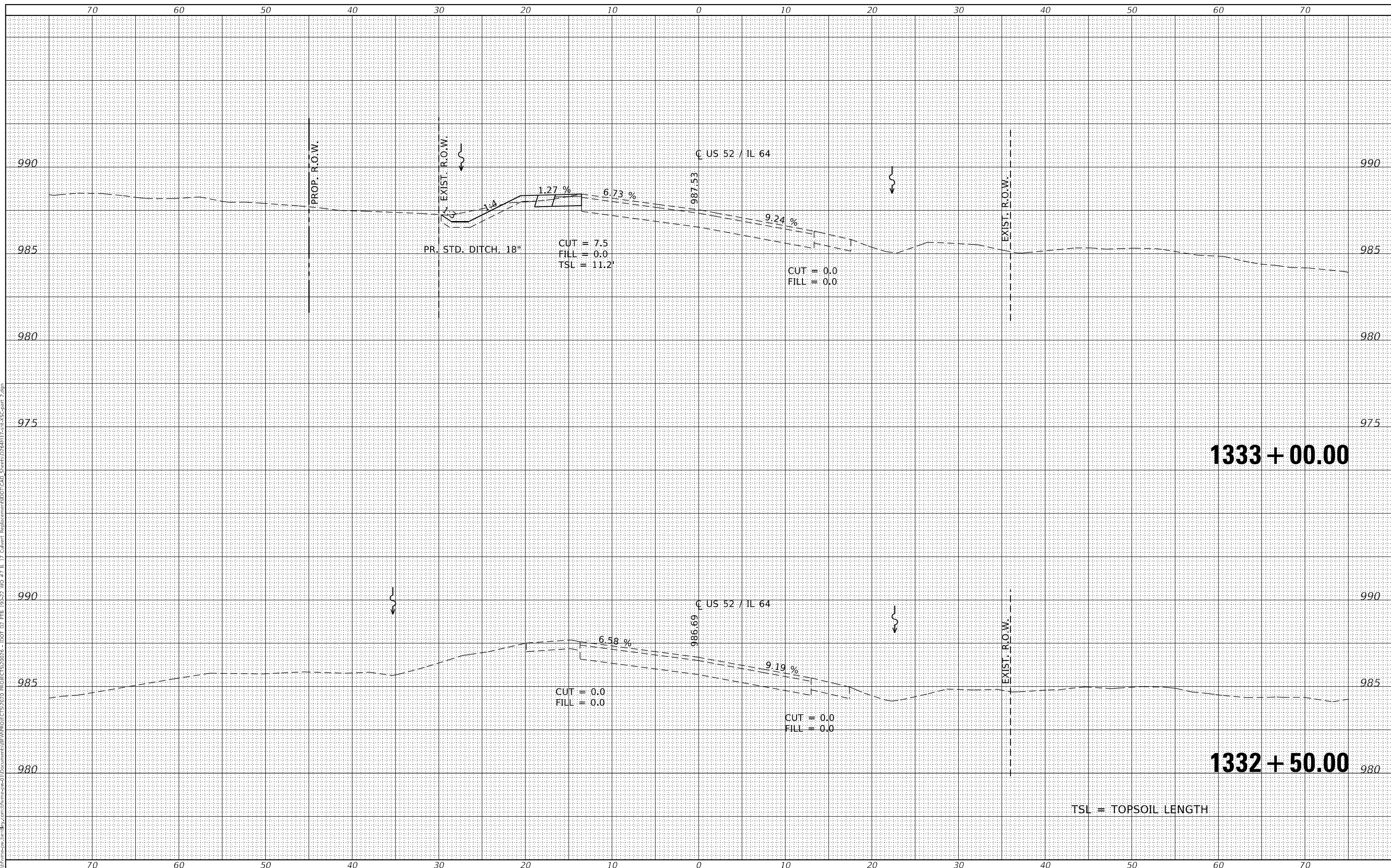
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	15CR & SR	CARROLL	73	64
				CONTRACT NO. 64M17
		ILLINOIS	FED. AID PROJECT	



FINAL SURVEY	DATE
BY	
SURVEYED	
REVISIONS	
REMARKS	
AREAS CHECKED	
NO.	

ORIGINAL SURVEY	DATE
BY	
SURVEYED	
REVISIONS	
REMARKS	
AREAS CHECKED	
NO.	

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**US 52 / IL 64  
 CROSS SECTIONS**

SCALE: SHEET 23 OF 31 SHEETS STA. 1332+50.00 TO STA. 1333+00.00

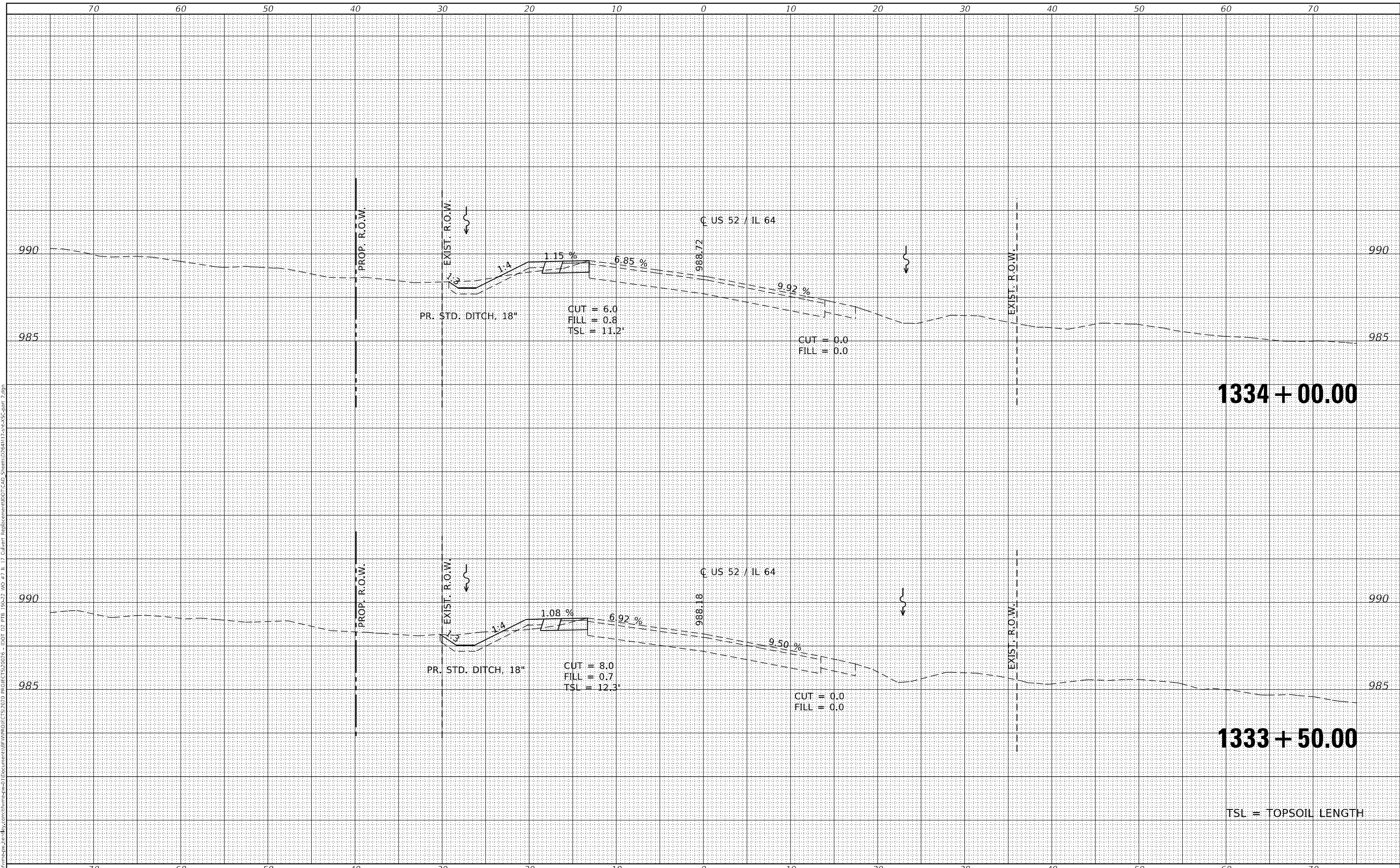
F.A.P. RTE. 17	SECTION 15CR & SR	COUNTY CARROLL	TOTAL SHEETS 73	SHEET NO. 65
CONTRACT NO. 64M17				
ILLINOIS FED. AID PROJECT				

TSL = TOPSOIL LENGTH

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

ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		

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USER NAME = tsagle	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10,000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/8/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

SCALE:		SHEET 24 OF 31 SHEETS	STA. 1333+50.00 TO STA. 1334+00.00
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F.A.P. RTE. 17	SECTION 15CR & SR	COUNTY CARROLL	TOTAL SHEETS 73	SHEET NO. 66
CONTRACT NO. 64M17				
ILLINOIS FED. AID PROJECT				



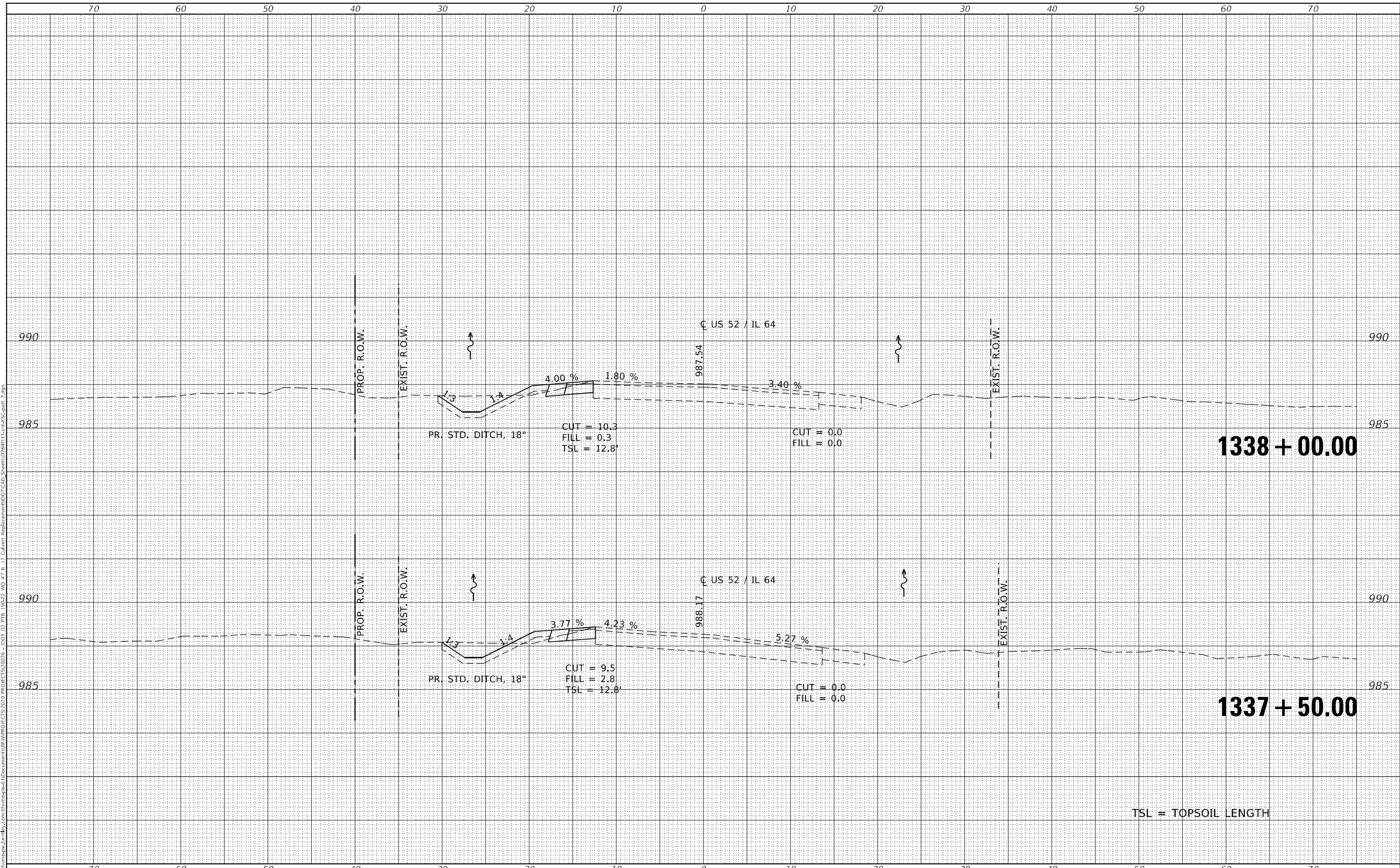




FINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK	PLOTTED	
	TEMPLATE	
	AREAS CHECKED	

ORIGINAL SURVEY NO.	SURVEYED	DATE
	PLOTTED	
	TEMPLATE	
	AREAS CHECKED	

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USER NAME = tsagle	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10,000 * / in.	CHECKED -	REVISED -
PLOT DATE = 12/8/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>US 52 / IL 64 CROSS SECTIONS</b>	
SCALE:	SHEET 28 OF 31 SHEETS
STA. 1337+50.00 TO STA. 1338+00.00	

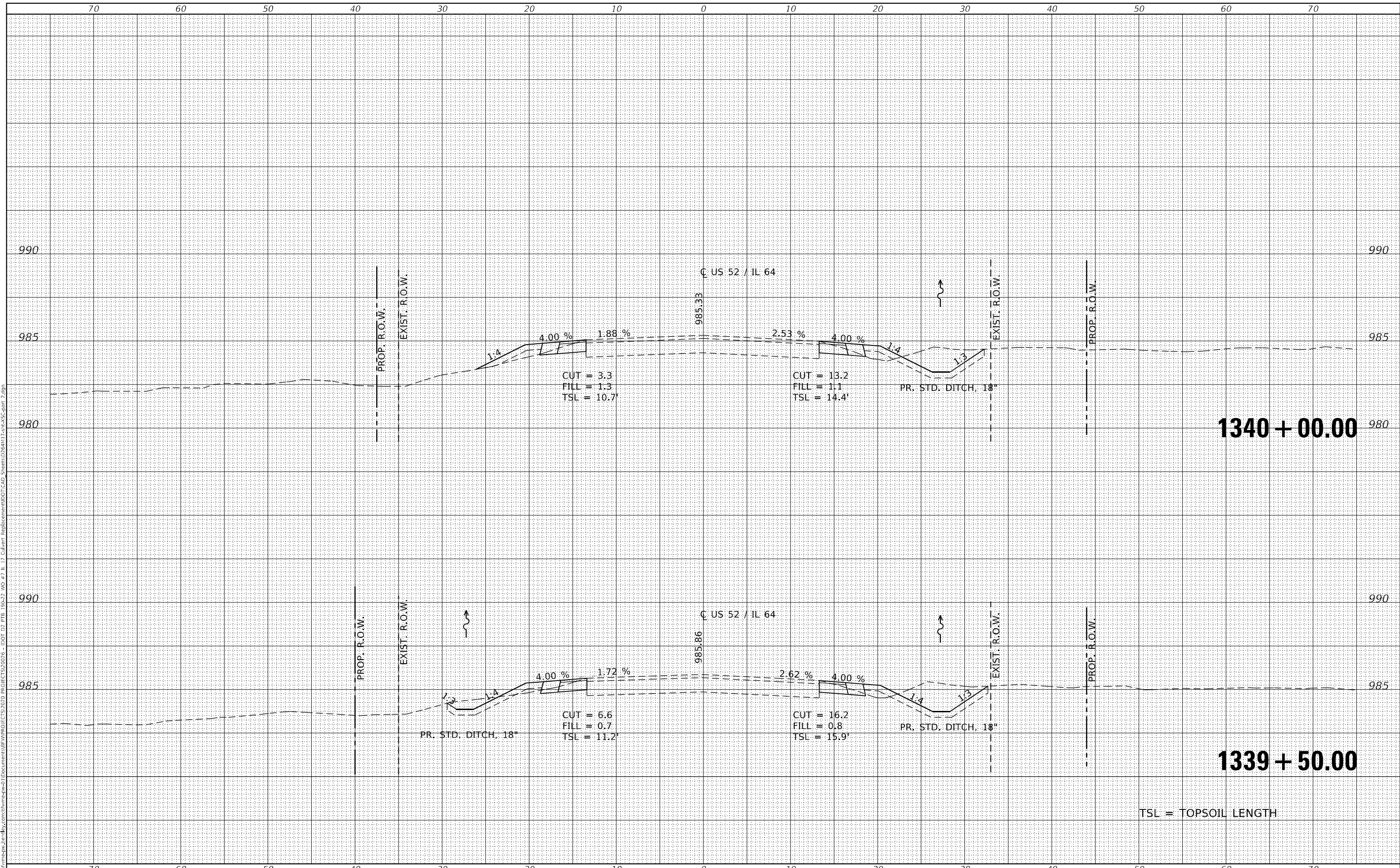
F.A.P. RTE. 17	SECTION 15CR & SR	COUNTY CARROLL	TOTAL SHEETS 73	SHEET NO. 70
			CONTRACT NO. 64M17	
		ILLINOIS FED. AID PROJECT		



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

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

MODEL: Definit  
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**1340 + 00.00**

**1339 + 50.00**

TSL = TOPSOIL LENGTH

USER NAME = tsagle	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10,000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/8/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>US 52 / IL 64 CROSS SECTIONS</b>	
SCALE:	SHEET 30 OF 31 SHEETS
STA. 1339+50.00 TO STA. 1340+00.00	

F.A.P. RTE. 17	SECTION 15CR & SR	COUNTY CARROLL	TOTAL SHEETS 73	SHEET NO. 72
CONTRACT NO. 64M17				ILLINOIS FED. AID PROJECT



