

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

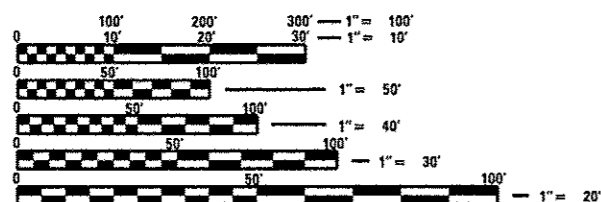
FAU ROUTE 9128
COLLINSVILLE ROAD
SECTION 28-R-1
BI-DIRECTIONAL LANE-HSIP
MADISON COUNTY
ACHSIP - 9128 (005)
C-98-009-12

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9128	28-R-1	MADISON	64*	1
		ILLINOIS	CONTRACT NO. 76F11	

* 64 + 4 = 68

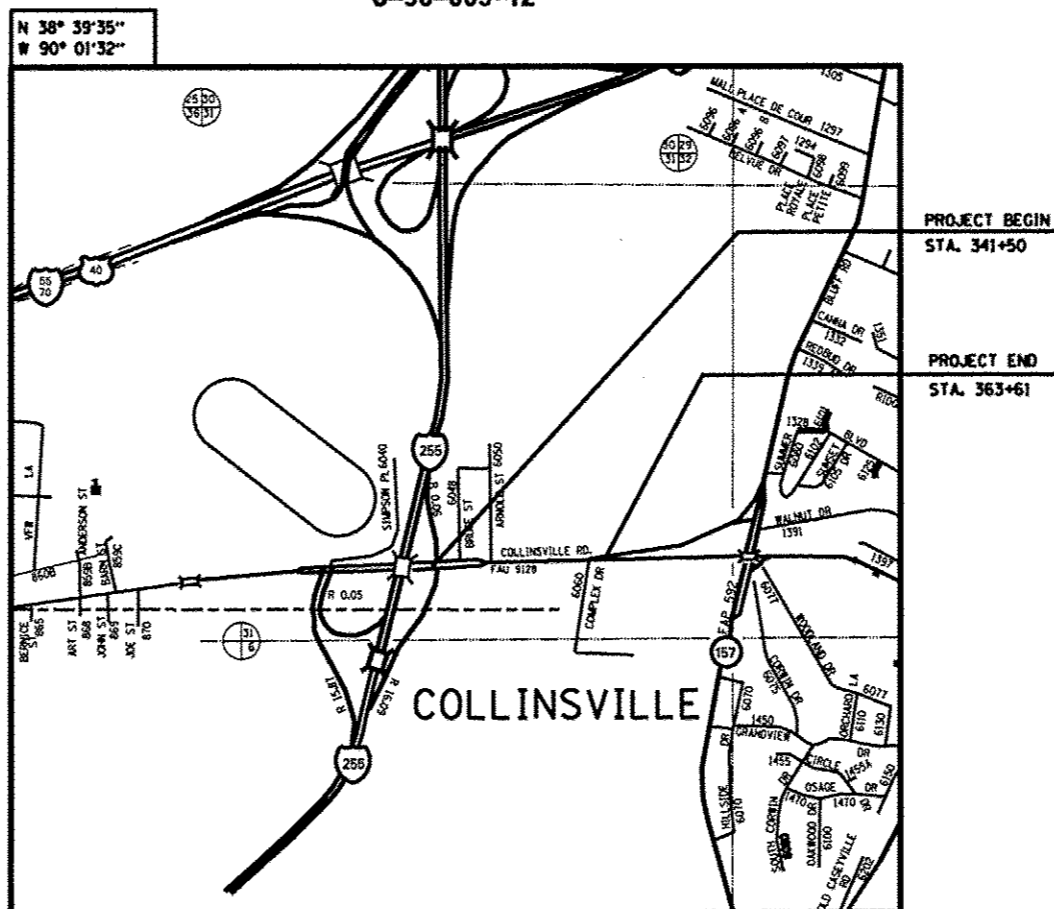
D-98-010-12



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

ADT
CURRENT - 13,600 (ACTUAL)
2033 - 16,900 (ESTIMATED)
SU - 1.9%
MU - 1.8%



R8W
COLLINSVILLE TOWNSHIP

GROSS LENGTH = 2211 FT. = 0.42 MILE
NET LENGTH = 2211 FT. = 0.42 MILE

PROJECT ENGINEER: MICHAEL PRITCHETT (618)346-3180
PROJECT MANAGER: GWEN LAGEMANN (618)346-3181

CONTRACT NO. 76F11

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED Oct 30 2013
Jeffrey Z. Kan
ACTING DEPUTY DIRECTOR OF HIGHWAYS, REGION 5 ENGINEER

June 27 2014
John D. Baranzelli PE
acting ENGINEER OF DESIGN AND ENVIRONMENT

June 27 2014
Onor Osman PE
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS

INDEX OF SHEETS

1 COVER
 2 INDEX OF SHEETS, GENERAL NOTES, & LIST OF STANDARDS
 3 MIXTURE REQUIREMENTS CHART
 4-9 SUMMARY OF QUANTITIES
 10-12 TYPICAL SECTIONS
 13-17 SCHEDULE OF QUANTITIES
 18 ALIGNMENTS, TIES AND BENCHMARKS
 19-22 PLANS
 23-26 REMOVAL SHEETS
 27-34 DRAINAGE PLAN AND PROFILE
 35-38 EROSION CONTROL PLAN
 39-42A PLAT OF HIGHWAYS
 43-46 PAVEMENT MARKING SIGNAGE
 47 ENTRANCE DETAILS
 48 INLET DETAILS
 49 POROUS GRANULAR EMBANKMENT DETAILS
 50-51 CULVERT END SECTION DETAILS
 52-53 TRAVERSABLE PIPE CULVERT DETAILS
 54-64 CROSS SECTIONS

LIST OF STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
542011	CONCRETE END SECTIONS FOR ELLIPTICAL PIPE CULVERTS 15" (375 mm) THRU 72" (1800 mm) EQUIVALENT DIAMETER
604036-02	GRATE TYPE B
701101-04	OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24' (660 mm) FROM PAVEMENT EDGE
701426-06	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS > 45 MPH
701602-07	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701701-09	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-03	TRAFFIC CONTROL DEVICES
780001-04	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKINGS

COMMITMENTS

NONE

GENERAL NOTES

- THE STANDARDS AND REVISION NUMBERS SHALL APPLY TO THIS PROJECT.
- ILLINOIS STATE LAW REQUIRES A 48 HOUR NOTICE TO BE GIVEN TO ALL UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:

UTILITY	ABOVE GROUND	BELOW GROUND
•AT&T ILLINOIS	X	X
•CITY OF COLLINSVILLE		X
•CHARTER COMMUNICATIONS, INC	X	X
•AMEREN ILLINOIS	X	X
•MCLEAD TELECOMMUNICATIONS	X	X

MEMBERS OF J.U.L.I.E. (800-892-0123 OR 811) ARE INDICATED BY AN *. NON-J.U.L.I.E. MEMBERS MUST NOTIFIED INDIVIDUALLY.

- THE INTENT OF THIS CONTRACT IS TO MILL TO THE TOP OF THE EXISTING CONCRETE PAVEMENT AND RESURFACE WITH 4 1/4" HMA WHILE PROVIDING 1.5% CROSS SLOPE. PAVEMENT CORES INDICATE THE EXISTING HMA OVERLAY IS GENERALLY BETWEEN 4" AND 4 1/2" HOWEVER, THERE MAY BE LOCATIONS WHERE THE EXISTING OVERLAY VARIES. THE SCHEDULE OF QUANTITIES ASSUMES 4 1/4" OF MILLING AND RESURFACING THROUGHOUT THE PROJECT LIMITS. MINOR THICKNESS ADJUSTMENTS SHALL TAKE PLACE IN THE BINDER COURSE TO ALLOW UNIFORM THICKNESS OF THE SURFACE COURSE.
- SHOULD IT BE NECESSARY TO PROVIDE LESS THAN 3" OF HMA OVERLAY TO MATCH EXISTING CONDITIONS AT THE PROJECT TERMINI, THE OVERLAY SHALL CONSIST ENTIRELY OF HMA SURFACE COURSE.
- THE THICKNESS OF THE HMA MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA MIXTURE IS PLACED.
- AN ESTIMATED 1520 TONS OF HMA WILL BE REMOVED.
- ALL AREAS DISTURBED FOR ANY REASON SHALL BE SEEDED AND MULCHED AS DIRECTED BY THE ENGINEER. NUTRIENTS SHALL CONFORM TO ARTICLE 250.04 OF THE STANDARD SPECIFICATIONS. ALL AREAS DISTURBED BY CONTRACTOR OUTSIDE OF THE PROPOSED CONSTRUCTION LIMITS SHALL BE SEEDED AT THE CONTRACTORS EXPENSE.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.

- SHORT-TERM PAVEMENT MARKING SHALL BE APPLIED TO THE HMA BINDER COURSE AND SURFACE COURSE, IF REQUIRED. A QUANTITY FOR TEMPORARY PAVEMENT MARKING EQUAL TO THE AMOUNT OF PERMANENT PAVEMENT MARKING HAS BEEN INCLUDED IN THE PLANS.
- ALL TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED IN SUCH A WAY AS NOT TO INTERFERE WITH THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- THE CONTRACTOR SHALL EXERCISE CARE IN PERFORMING REMOVALS SO AS NOT TO DISRUPT ADJOINING FEATURES THAT ARE TO REMAIN IN PLACE. ANY DAMAGE CAUSED TO ADJOINING FEATURES AS A RESULT OF THE CONTRACTOR'S NEGLIGENCE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE ENGINEER.
- THE CONTRACTOR SHALL EXERCISE CARE IN EXCAVATING AROUND EXISTING UTILITIES TO REMAIN IN PLACE, SUCH AS WATER AND SEWER MAINS, AND SHALL BE RESPONSIBLE FOR REPAIR OF THESE AND MAINTENANCE OF SERVICE, IF DAMAGED BY THE CONTRACTOR'S ACTIVITIES, AS DEEMED SUCH BY THE ENGINEER.
- VIBRATORY ROLLERS WILL NOT BE PERMITTED FOR USE ON TOP OF BOX CULVERTS IN THE ENTRANCES.
- FLAGGERS SHALL BE PRESENT DURING ALL CLOSURE HOURS INCLUDING LUNCH HOUR AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.
- CARE SHALL BE TAKEN AT ALL SIDE STREETS AND ENTRANCES DURING MILLING OPERATIONS TO ENSURE THAT THE PROPOSED RESURFACING WILL MEET THE EXISTING SIDE STREETS AND ENTRANCES.
- THE EXISTING TRUCK SCALE AT APPROXIMATE STA. 350+25 SHALL BE REMOVED IN ITS ENTIRETY PER SPECIAL PROVISION TRUCK SCALE REMOVAL.
- "ROAD CONSTRUCTION AHEAD" SIGNS SHALL BE PLACED AT THE BEGINNING OF THE PROJECT PLUS ALL INTERSECTING SIDE ROADS AND RAMPS AND WILL BE INCLUDED IN THE COST OF THE TRAFFIC CONTROL PAY ITEMS. ALL CONSTRUCTION SIGNS SHALL BE 48" FLOURESCENT ORANGE.
- THE RIGHT OF WAY MARKER SHALL BE INSTALLED SO THAT THE BACK OF THE POST IS TWELVE INCHES (12") INSIDE THE RIGHT OF WAY BOUNDARY, THE RIGHT OF WAY MARKER SHALL BE A WITNESS TO THE RIGHT OF WAY CORNER, WHICH IS THE PROPERTY PIN. THE RIGHT OF WAY CORNER OR PROPERTY PIN IS A 5/8" IRON ROD WITH IDOT ALUMINUM CAP THAT SHALL NOT BE REMOVED, DAMAGED, OR DISTURBED WHEN SETTING THE RIGHT OF WAY MARKER AT THE TWELVE INCHES (12") OFFSET.
- COORDINATE WORK AT COMPLEX DRIVE WITH COLLINSVILLE AREA RECREATION DISTRICT (C.A.R.D.) TWO WEEKS PRIOR TO CONSTRUCTION ACTIVITY, EXECUTIVE DIRECTOR TERRY WILSON AT (618) 346-7529.
- COORDINATE WORK AT COMPLEX DRIVE WITH CITY OF COLLINSVILLE WATER PLANT TWO WEEKS PRIOR TO CONSTRUCTION ACTIVITY, AT (618) 975-8011. ATTN: MIKE JEFFRIES.
- COORDINATE WORK WITH COLLINSVILLE MIDDLE SCHOOL TWO WEEKS PRIOR TO CONSTRUCTION ACTIVITY, PRINCIPAL KIM JACKSON OR ASSISTANT PRINCIPAL DARRIN HOUCK AT (618) 343-2100.
- CONTRACTOR SHALL PLACE LEVEL BINDER PRIOR TO OPENING ANY AREA UP TO TRAFFIC.
- CARE SHALL BE TAKEN TO MAINTAIN DRAINAGE FROM PRIVATE PROPERTY TO THE RELOCATED DITCH.
- A QUANTITY OF SUBBASE GRANULAR MATERIAL, TYPE C HAS BEEN INCLUDED TO FILL THE VOID BETWEEN EXISTING GRADE AND PROPOSED HMA SHOULDER.
- ALL EXISTING AND PROPOSED RIGHT-OF-WAY LINES AND PROPERTY LINES SHOWN ON THE PLAN SHEETS ARE GRAPHICAL REPRESENTATIONS AND SHALL NOT BE USED AS A MEANS TO ESTABLISH OWNERSHIP. IN ALL MATTERS RELATING TO RIGHT-OF-WAY THE PLAT OF HIGHWAYS SHALL BE THE CONTROLLING DOCUMENT.

FILE NAME	USER NAME = *USER*	DESIGNED - GEL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, COMMITMENTS, GENERAL NOTES AND STANDARDS	F.A.U. RTE. 9128	SECTION 28-R-1	COUNTY MADISON	TOTAL SHEETS 64	SHEET NO. 2		
FILE#	PLOT SCALE = *SCALE*	DRAWN - LAG	REVISED -			SCALE:	SHEET NO. OF SHEETS	STA.	TO STA.	CONTRACT NO. 76F11		
	PLOT DATE = *DATE*	CHECKED - MDP	REVISED -							ILLINOIS/ FED. AID PROJECT		
		DATE - 3/20/2012	REVISED -									

MIXTURE REQUIREMENTS

ROUTE	FAU 9128 (COLLINSVILLE ROAD)
SECTION	28-R-1
COUNTY	MADISON
CONTRACT	76F11

DESCRIPTION:	WIDENING COLLINSVILLE ROAD FROM FOUR LANES TO FIVE LANES FROM 0.15 MILES EAST OF I-255 TO 0.15 MILES WEST OF IL 157
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ADT (Construction Yr):	15400
MU%:	1.8
SU%:	1.9
20 YR. ESAL'S:	2.11

MIXTURE USE	POLY SURFACE	BINDER	INCIDENTAL
AC/PG	SBS PG 76-22	PG 64-22	PG 64-22
RAP % (MAX)	SEE SPEC.	SEE SPEC.	SEE SPEC.
DESIGN AIR VOIDS	4.0% @ Ndes=90	4.0% @ Ndes=90	4.0% @ Ndes=90
MIX COMPOSITION			
(GRADATION MIXTURE)	IL 12.5/9.5	IL 19.0 FG	IL 9.5
FRICITION AGG	MIXTURE "D"	MIXTURE "B"	MIXTURE "D"

MIXTURE USE	SHOULDERS ≥ 2.25"	SHOULDERS < 2.25"
AC/PG	SBS PG64-22	SBS PG64-22
RAP % (MAX)	SEE CONTRACT RAP SPECIAL PROVISION	SEE CONTRACT RAP SPECIAL PROVISION
DESIGN AIR VOIDS		
MIX COMPOSITION	**2.0% @ Ndes=30	**2.0% @ Ndes=30
(GRADATION MIXTURE)	NMAS 3/4"	NMAS 1/2"
FRICITION AGG		

** Top Lift Shoulders - Design this mix at 2.0% voids and add asphalt to reduce voids 1.5%

Plan quantities for HMA items are calculated using a unit weight of 112 lb/sq yd/in (59.8 kg/sq m/25 mm thickness).

FILE NAME :	USER NAME = *USER*	DESIGNED - GEL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MIXTURE REQUIREMENTS CHART			F.A.U. RTE:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = *DATE*	CHECKED - MDP	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA.	TO STA.	CONTRACT NO. 76F11			
		DATE - 3/20/2012	REVISED -		ILLINOIS FED. AID PROJECT							

90/10 FED/ST
CONSTR. CODE

URBAN

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY
				0004 URBAN
20200100	EARTH EXCAVATION	CU YD	2842	2842
20200500	EARTH EXCAVATION (WIDENING)	CU YD	954	954
20800150	TRENCH BACKFILL	CU YD	47	47
21400100	GRADING AND SHAPING DITCHES	FOOT	225	225
25000210	SEEDING, CLASS 2A	ACRE	2.6	2.6
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	230	230
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	230	230
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	230	230
25100115	MULCH, METHOD 2	ACRE	0.8	0.8
25100630	EROSION CONTROL BLANKET	SQ YD	8450	8450
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	256	256
28000305	TEMPORARY DITCH CHECKS	FOOT	486	486
28000400	PERIMETER EROSION BARRIER	FOOT	2449	2449
28000500	INLET AND PIPE PROTECTION	EACH	4	4

14

FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED - _____	REVISED - _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES		F.A.U. RTE. 9128	SECTION 28-R-1	COUNTY MADISON	TOTAL SHEETS 64	SHEET NO. 4	
	PLOT SCALE = #SCALE#	CHECKED - _____	REVISED - _____		SCALE: _____	SHEET 1	OF 6	SHEETS	STA. _____	TO STA. _____	CONTRACT NO. 76F11	
	PLOT DATE = #DATE#	DATE - _____	REVISED - _____		ILLINOIS FED. AID PROJECT							

90/10 FED/ST

CONSTR. CODE

URBAN

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY
				0004 URBAN
28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	8450	8450
28100105	STONE RIPRAP, CLASS A3	SQ YD	22	22
28200200	FILTER FABRIC	SQ YD	22	22
31101810	SUBBASE GRANULAR MATERIAL, TYPE B 12"	SQ YD	2444	2444
31101900	SUBBASE GRANULAR MATERIAL, TYPE C	TON	691	691
35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	2549	2549
35501306	HOT-MIX ASPHALT BASE COURSE, 5 1/2"	SQ YD	1712	1712
40300200	BITUMINOUS MATERIALS (PRIME COAT)	TON	3.6	3.6
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	8668	8668
40600300	AGGREGATE (PRIME COAT)	TON	16.5	16.5
40600285	POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)	POUND	1943	1943
40600990	TEMPORARY RAMP	SQ YD	724	724
40603092	HOT-MIX ASPHALT BINDER COURSE, IL-19.0 FG, N90	TON	1480	1480
40603545	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90	TON	1363	1363
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	428	428
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	1903	1903

FILE NAME	USER NAME * USER*	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#		DRAWN -	REVISED -		9128	28-R-1	MADISON	64	5				
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	PLOT DATE * DATE*	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								

114

90/10 FEB/ST
CONSTR. CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	URBAN	
				ROADWAY 0004	URBAN
44000100	PAVEMENT REMOVAL	SQ YD	336	336	
44000166	HOT-MIX ASPHALT SURFACE REMOVAL, 4 1/4"	SQ YD	6420	6420	
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	3199	3199	
44000600	SIDEWALK REMOVAL	SQ FT	1903	1903	
44004250	PAVED SHOULDER REMOVAL	SQ YD	1974	1974	
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	2626	2626	
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	2205	2205	
50100300	REMOVAL OF EXISTING STRUCTURES NO. 1	EACH	1	1	
50100400	REMOVAL OF EXISTING STRUCTURES NO. 2	EACH	1	1	
50100500	REMOVAL OF EXISTING STRUCTURES NO. 3	EACH	1	1	
50105220	PIPE CULVERT REMOVAL	FOOT	450	450	
54001001	BOX CULVERT END SECTIONS, CULVERT NO. 1	EACH	4	4	
54001002	BOX CULVERT END SECTIONS, CULVERT NO. 2	EACH	4	4	
54001003	BOX CULVERT END SECTIONS, CULVERT NO. 3	EACH	4	4	

14

90/10 FED/ST

CONSTR. CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	URBAN
				ROADWAY 0004 URBAN
54001004	BOX CULVERT END SECTIONS, CULVERT NO. 4	EACH	4	4
54001005	BOX CULVERT END SECTIONS, CULVERT NO. 5	EACH	4	4
54010503	PRECAST CONCRETE BOX CULVERTS 5' X 3'	FOOT	714	714
54260311	TRAVERSABLE PIPE GRATE	FOOT	1400	1400
54263636	CONCRETE END SECTION, STANDARD 542011, 36", 1:6	EACH	8	8
55100500	STORM SEWER REMOVAL 12"	FOOT	57	57
60402210	GRATES, TYPE 8	EACH	4	4
60500060	REMOVING INLETS	EACH	3	3
66600105	FURNISHING AND ERECTING RIGHT OF WAY MARKERS	EACH	13	13
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	12
67100100	MOBILIZATION	L SUM	1	1
70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1	1
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	1412	1412

14

FILE NAME :	USER NAME : *USER*	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FILE# :	PLLOT SCALE : *SCALE*	DRAWN -	REVISED -				9128	28-R-1	MADISON	64	7
	PLLOT DATE : *DATE*	CHECKED -	REVISED -		SCALE: SHEET 4 OF 6 SHEETS STA. TO STA.		CONTRACT NO. 76F11		ILLINOIS FED. AID PROJECT		
		DATE -	REVISED -								

90/10 FED/ST
CONSTR. CODE

URBAN

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0004 URBAN
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	281	281
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	7867	7867
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	61	61
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	3200	3200
* 72000100	SIGN PANEL - TYPE 1	SQ FT	79.5	79.5
* 72000200	SIGN PANEL - TYPE 2	SQ FT	46.5	46.5
* 72000300	SIGN PANEL - TYPE 3	SQ FT	24	24
* 72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	23	23
* 72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	56.4	56.4
* 72400320	REMOVE SIGN PANEL - TYPE 2	SQ FT	46.5	46.5
* 72400330	REMOVE SIGN PANEL - TYPE 3	SQ FT	24	24
* 73000100	WOOD SIGN SUPPORT	FOOT	183	183
* 73700100	REMOVE GROUND MOUNTED SIGN SUPPORT	EACH	10	10
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	281	281

14 * SPECIALTY ITEM

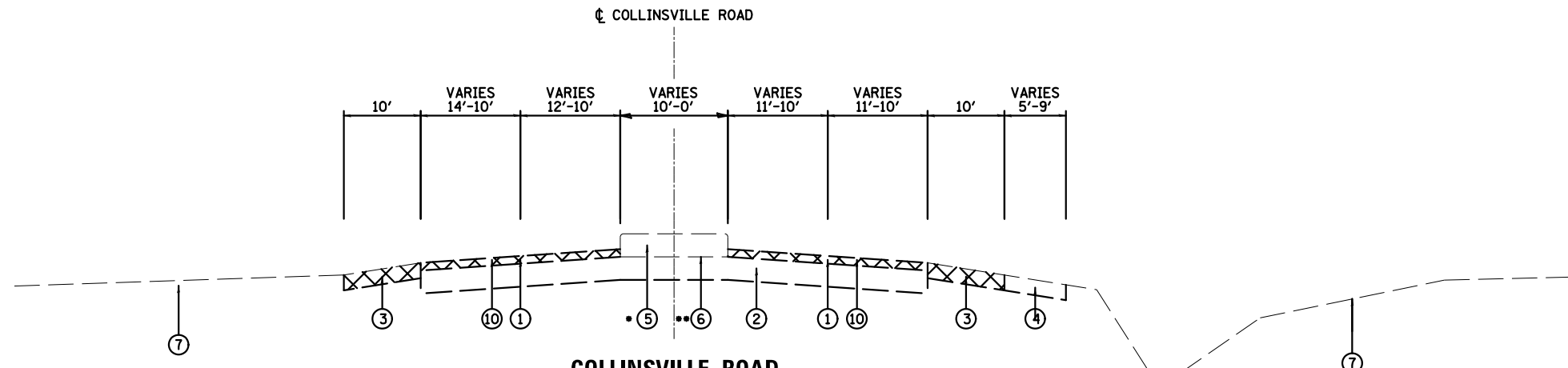
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		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
SCALE: SHEET 5 OF 6 SHEETS STA. TO STA.											

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	URBAN	
				ROADWAY 0004	URBAN
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	7867	7867	
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	61	61	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	127	127	
78300100	PAVEMENT MARKING REMOVAL	SQ FT	810	810	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	93	93	
542A5491	PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 36"	FOOT	137	137	
35600685	HOT-MIX ASPHALT BASE COURSE WIDENING 5 1/2"	SQ YD	290	290	
X6660445	RIGHT OF WAY AND PROPERTY CORNERS	EACH	11	11	
X6327960	TRUCK SCALE REMOVAL	LSUM	1	1	
∅ 70076600	TRAINEES	HOUR	1000	1000	
□ 70005305	BOX CULVERT TO BE CLEANED	FOOT	216	216	
∅ 70076601	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	1000	1000	
123 X5400304	PRECAST CONCRETE BOX CULVERTS 5' X 3' (SPECIAL)	FOOT	20	20	

□ NON-PART (100% STATE)

* SPECIALTY ITEM

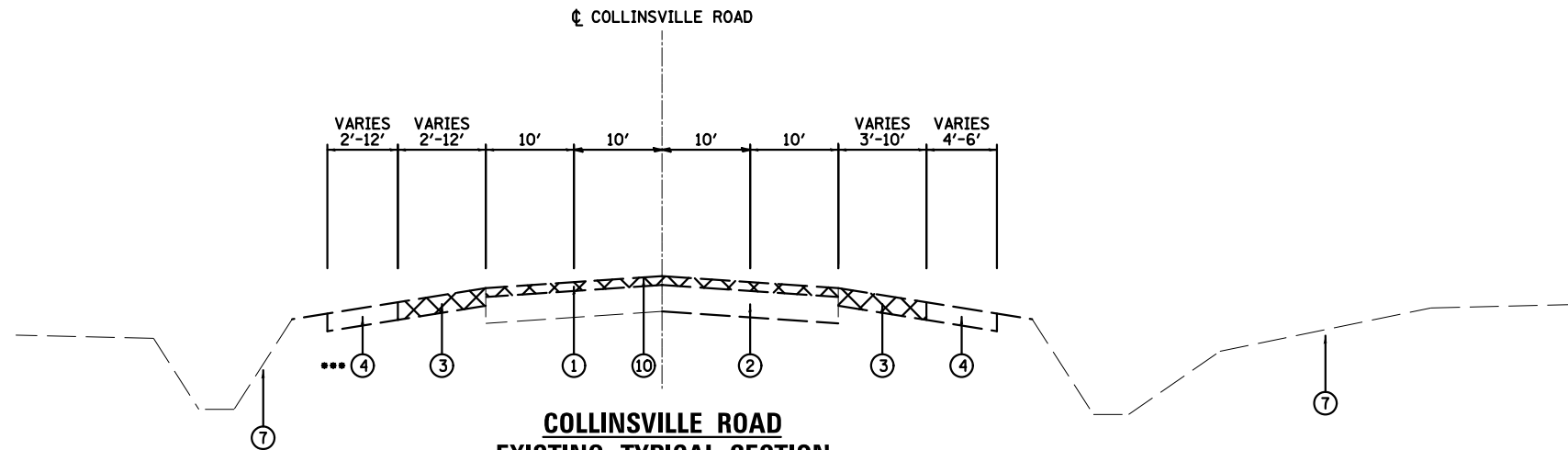
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**COLLINSVILLE ROAD
EXISTING TYPICAL SECTION**

STA. 346+00 TO STA. 348+00

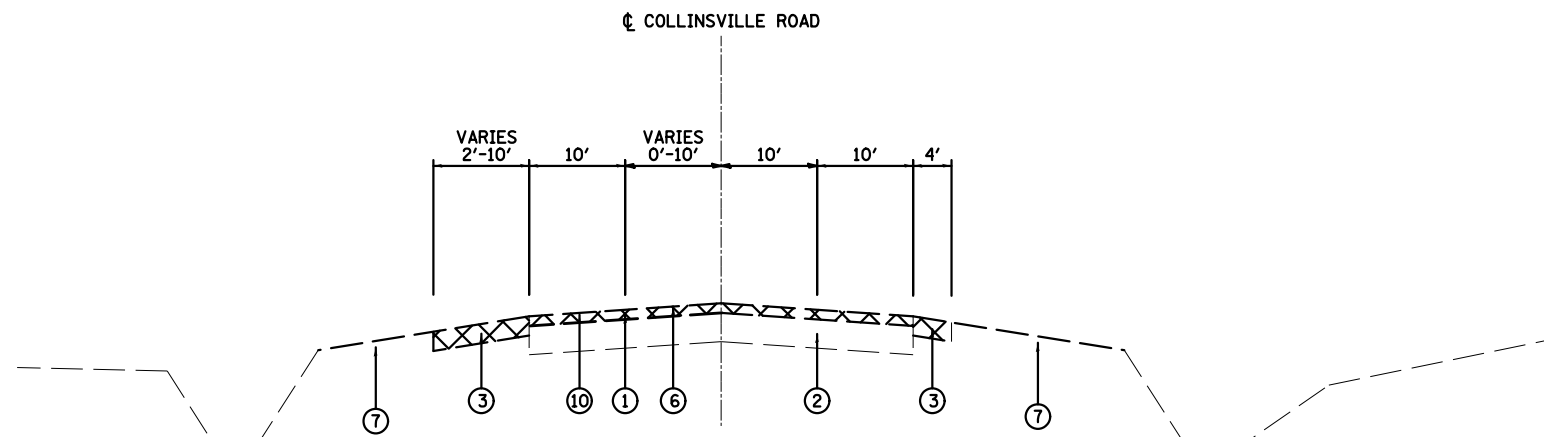
- * STA. 346+00 TO STA. 346+31
- ** STA. 346+31 TO STA. 348+00



**COLLINSVILLE ROAD
EXISTING TYPICAL SECTION**

STA. 348+00 TO STA. 358+86

- *** CONCRETE PAVED SHOULDER
STA. 348+06 TO STA. 352+30



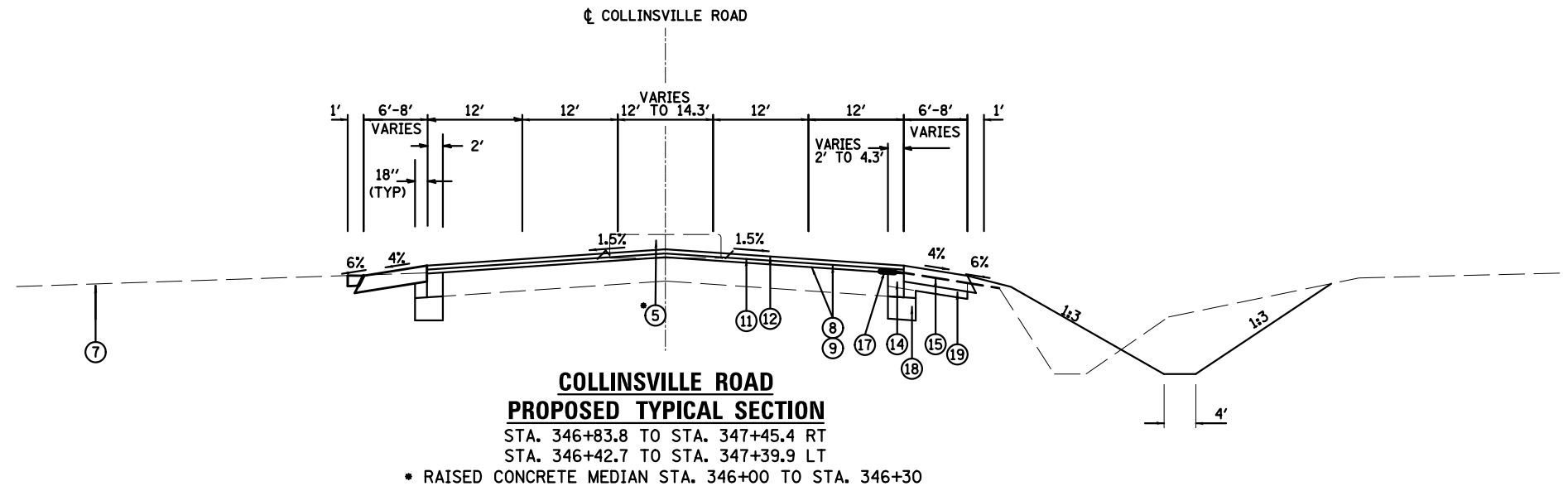
**COLLINSVILLE ROAD
EXISTING TYPICAL SECTION**

STA. 358+86 TO STA. 359+00

LEGEND

- ① EXISTING HOT-MIX ASPHALT RESURFACING, 4 1/4"
- ② EXISTING PCC BASE COURSE
- ③ EXISTING HMA SHOULDER
- ④ EXISTING AGGREGATE SHOULDER
- ⑤ EXISTING CONCRETE MEDIAN
- ⑥ EXISTING PAINTED MEDIAN
- ⑦ EXISTING GROUND
- ⑧ PROPOSED BITUMINOUS MATERIAL (PRIME COAT)
- ⑨ PROPOSED AGGREGATE (PRIME COAT)
- ⑩ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL 4 1/4"
- ⑪ PROPOSED HMA BINDER COURSE, IL-19.0 FG, N90, 2 1/4"
- ⑫ PROPOSED POLY HMA SURFACE COURSE, MIX N90, 2"
- ⑬ PROPOSED HMA BASE COURSE, 5 1/2"
- ⑭ PROPOSED HMA BASE COURSE WIDENING, 5 1/2"
- ⑮ PROPOSED HMA SHOULDER, 8"
- ⑯ GRADING FOR FUTURE SIDEWALK TO BE CONSTRUCTED BY OTHERS
- ⑰ PROPOSED STRIP REFLECTIVE CRACK CONTROL
- ⑱ PROPOSED SUBBASE GRANULAR MATERIAL, TYPE B, 12"
- ⑲ PROPOSED SUBBASE GRANULAR MATERIAL, TYPE C

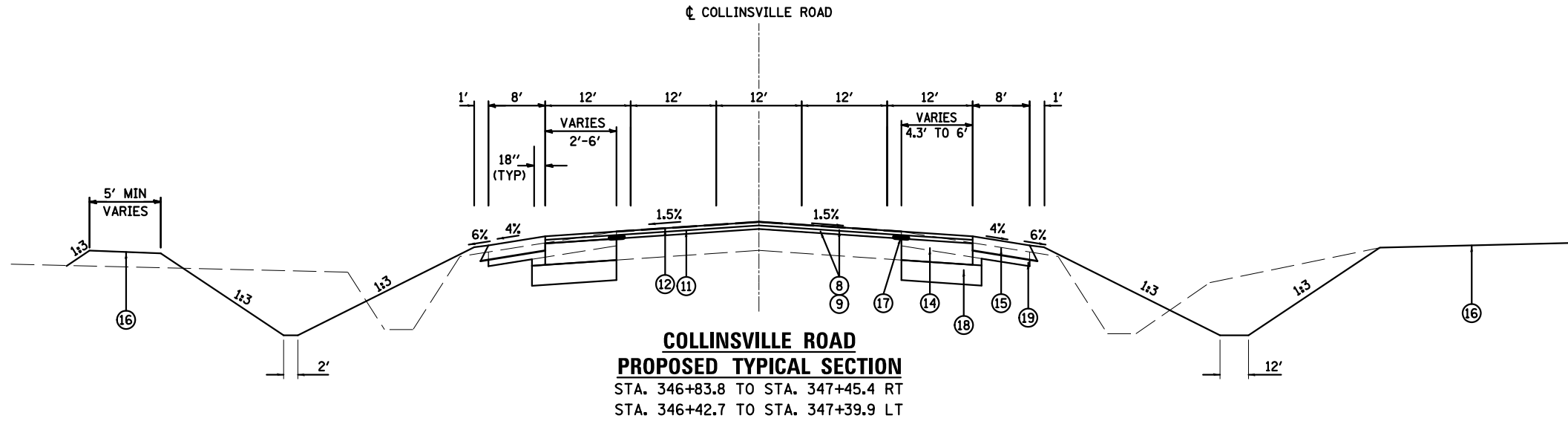
FILE NAME =	USER NAME = \$USER*	DESIGNED - MTK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING TYPICAL SECTIONS			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FILEL\$	PLOT SCALE = \$SCALE	DRAWN - MTK	REVISED -					9128	28-R-1	MADISON	64	10
MODELNAME\$	PLOT DATE = \$DATE	CHECKED - GSB	REVISED -		SCALE: N.T.S. SHEET 1 OF 1 SHEETS STA. 346+00 TO STA. 359+00			CONTRACT NO. 76F11				
		DATE - 11/2011	REVISED -		ILLINOIS FED. AID PROJECT							



**COLLINSVILLE ROAD
PROPOSED TYPICAL SECTION**

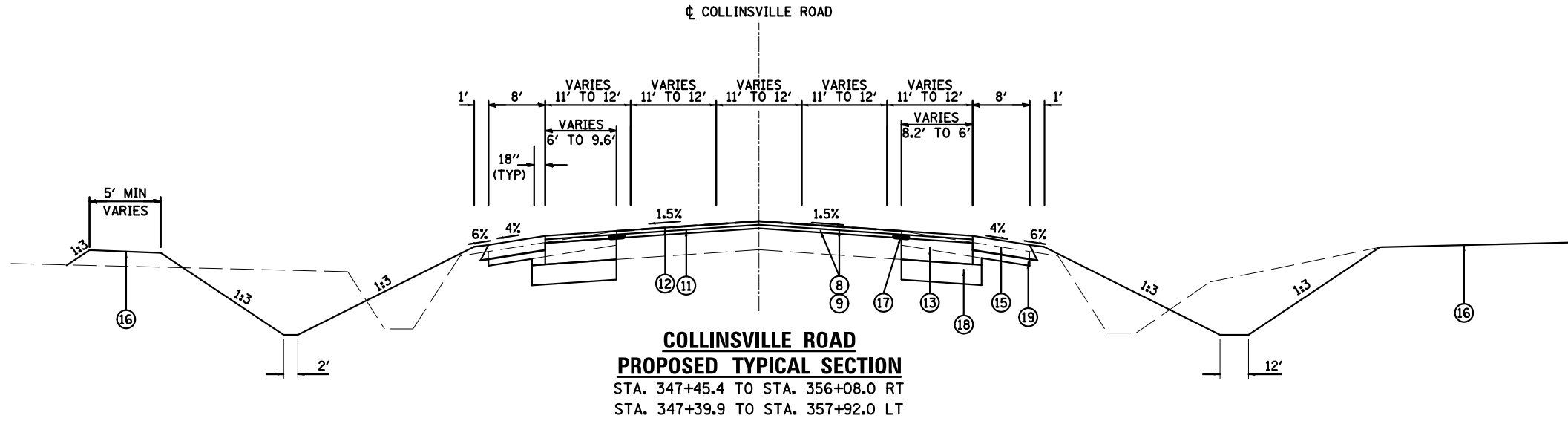
STA. 346+83.8 TO STA. 347+45.4 RT
STA. 346+42.7 TO STA. 347+39.9 LT

* RAISED CONCRETE MEDIAN STA. 346+00 TO STA. 346+30



**COLLINSVILLE ROAD
PROPOSED TYPICAL SECTION**

STA. 346+83.8 TO STA. 347+45.4 RT
STA. 346+42.7 TO STA. 347+39.9 LT



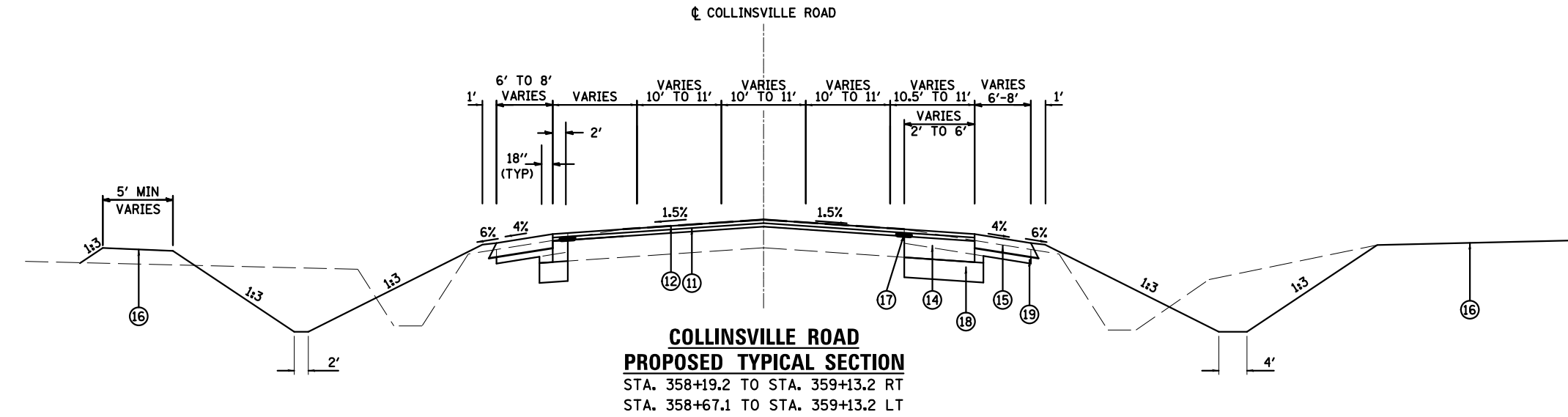
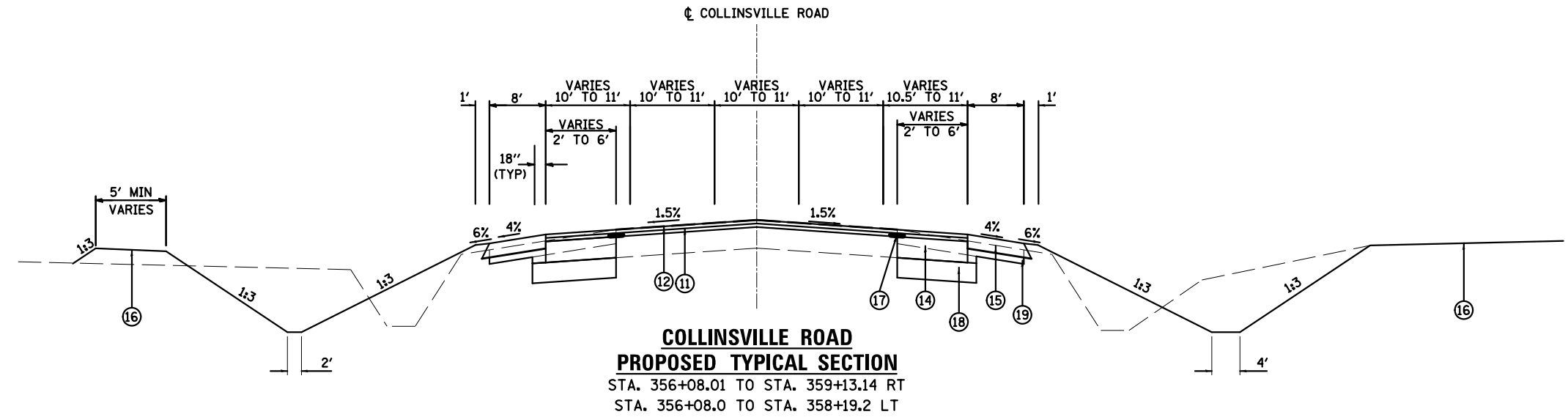
**COLLINSVILLE ROAD
PROPOSED TYPICAL SECTION**

STA. 347+45.4 TO STA. 356+08.0 RT
STA. 347+39.9 TO STA. 357+92.0 LT

LEGEND

- ① EXISTING HOT-MIX ASPHALT RESURFACING, 4 1/4"
- ② EXISTING PCC BASE COURSE
- ③ EXISTING HMA SHOULDER
- ④ EXISTING AGGREGATE SHOULDER
- ⑤ EXISTING CONCRETE MEDIAN
- ⑥ EXISTING PAINTED MEDIAN
- ⑦ EXISTING GROUND
- ⑧ PROPOSED BITUMINOUS MATERIAL (PRIME COAT)
- ⑨ PROPOSED AGGREGATE (PRIME COAT)
- ⑩ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL 4 1/4"
- ⑪ PROPOSED HMA BINDER COURSE, IL-19.0 FG, N90, 2 1/4"
- ⑫ PROPOSED POLY HMA SURFACE COURSE, MIX N90, 2"
- ⑬ PROPOSED HMA BASE COURSE, 5 1/2"
- ⑭ PROPOSED HMA BASE COURSE WIDENING, 5 1/2"
- ⑮ PROPOSED HMA SHOULDER, 8"
- ⑯ GRADING FOR FUTURE SIDEWALK TO BE CONSTRUCTED BY OTHERS
- ⑰ PROPOSED STRIP REFLECTIVE CRACK CONTROL
- ⑱ PROPOSED SUBBASE GRANULAR MATERIAL, TYPE B, 12"
- ⑲ PROPOSED SUBBASE GRANULAR MATERIAL, TYPE C

FILE NAME =	USER NAME = *USER*	DESIGNED - MTK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED TYPICAL SECTIONS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
FILEL		DRAWN - MTK	REVISED -			9128	28-R-1	MADISON	64	11	
		CHECKED - GSB	REVISED -			CONTRACT NO. 76F11					
MODELNAME		DATE - 11/2011	REVISED -			ILLINOIS FED. AID PROJECT					
					SCALE: N.T.S	SHEET 1 OF 2 SHEETS		STA. 346+00 TO STA. 359+13.14			



LEGEND

- ① EXISTING HOT-MIX ASPHALT RESURFACING, 4/4"
- ② EXISTING PCC BASE COURSE
- ③ EXISTING HMA SHOULDER
- ④ EXISTING AGGREGATE SHOULDER
- ⑤ EXISTING CONCRETE MEDIAN
- ⑥ EXISTING PAINTED MEDIAN
- ⑦ EXISTING GROUND
- ⑧ PROPOSED BITUMINOUS MATERIAL (PRIME COAT)
- ⑨ PROPOSED AGGREGATE (PRIME COAT)
- ⑩ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL 4/4"
- ⑪ PROPOSED HMA BINDER COURSE, IL-19.0 FG, N90, 2/4"
- ⑫ PROPOSED POLY HMA SURFACE COURSE, MIX N90, 2"
- ⑬ PROPOSED HMA BASE COURSE, 5/2"
- ⑭ PROPOSED HMA BASE COURSE WIDENING, 5/2"
- ⑮ PROPOSED HMA SHOULDER, 8"
- ⑯ GRADING FUTURE SIDEWALK TO BE CONSTRUCTED BY OTHERS
- ⑰ PROPOSED STRIP REFLECTIVE CRACK CONTROL
- ⑱ PROPOSED SUBBASE GRANULAR MATERIAL, TYPE B, 12"
- ⑲ PROPOSED SUBBASE GRANULAR MATERIAL, TYPE C

FILE NAME =	USER NAME = \$USER\$	DESIGNED - MTK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED TYPICAL SECTIONS			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILEL\$		DRAWN - MTK	REVISED -		SCALE: N.T.S	SHEET 2 OF 2 SHEETS	STA. 346+00 TO STA. 359+13.14	9128	28-R-1	MADISON	64	12
#MODELNAME\$		CHECKED - GSB	REVISED -					CONTRACT NO. 76F11				
		DATE - 11/2011	REVISED -		ILLINOIS FED. AID PROJECT							

RESURFACING SCHEDULE				
LOCATION		HMA ASPHALT BINDER COURSE, IL -19.0 FG, N90	POLY HMA SURFACE COURSE, MIX "D", N90	HMA SURFACE REMOVAL, 4 1/4"
STATION		TON	TON	SY
346+00.0	TO 346+30.0	24.2	21.5	179.2
346+30.0	TO 354+88.5	721.1	641.0	4292.6
354+88.5	TO 358+19.2	247.0	219.6	1530.5
358+19.2	TO 359+13.1	59.8	53.2	417.4
TOTALS		1052	935	6420

WIDENING SCHEDULE							
LOCATION				SUBBASE GRANULAR MATERIAL, TYPE B 12"	HMA BASE COURSE WIDENING, 5 1/2"	HMA BASE COURSE, 5 1/2"	STRIP REFLECTIVE CRACK CONTROL
STATION		OFFSET		SQ YD	SQ YD	SQ YD	FEET
34600	TO	34642.7	LT	16.6	9.5		42.7
34600	TO	34745.4	RT	88.9	64.6		145.4
34642.7	TO	34739.9	LT	59.4	43.2		97.2
34739.9	TO	34800	LT	56.4		46.4	60.1
34745.4	TO	34800	RT	49.7		40.6	54.6
34800	TO	34808.2	LT	8.7		7.3	8.2
34800	TO	34825.5	RT	26.2		22.0	25.5
34808.2	TO	34880	LT	77.0		65.0	71.8
34825.5	TO	35400	RT	593.7		497.9	574.5
34880	TO	34960	LT	86.2		72.9	80
34960	TO	35078.2	LT	128.7		109.0	118.2
35078.2	TO	35183.8	LT	116.2		98.6	105.6
35183.8	TO	35279.8	LT	106.1		90.1	96
35279.8	TO	35400	LT	134.2		114.2	120.2
35400	TO	35405	LT	5.6		4.8	5
35400	TO	35405.1	RT	5.1		4.2	5.1
35405	TO	35488.5	LT	95.6		81.6	83.5
35405.1	TO	35488.5	RT	84.3		70.4	83.4
35488.5	TO	35608	LT & RT	252.9		213.1	239
35608	TO	35697.2	LT	108.0		93.2	89.2
35697.2	TO	35792	LT	96.9		81.1	94.8
35608	TO	35697.2	RT	74.3	59.5		89.2
35697.2	TO	35812.5	RT	70.5	51.2		115.3
35792	TO	35867.1	LT	45.9	33.4		75.1
35812.5	TO	35913	RT	39.1	22.3		100.5
35867.1	TO	35913	LT	17.9	10.2		45.9
TOTALS				2444.1	293.9	1712.5	2626.0

PAVED SHOULDER REMOVAL SCHEDULE				
LOCATION				PAVED SHOULDER REMOVAL
STATION		OFFSET		SY
346+00.0	TO	347+42.6	LT	174.3
347+42.6	TO	348+08.4	LT	76.8
348+08.4	TO	348+56.2	LT	49.1
348+56.2	TO	348+93.1	LT	56.2
348+93.1	TO	350+07.1	LT	222.9
350+07.1	TO	350+43.1	LT	29.6
350+43.1	TO	351+45.3	LT	199.9
351+45.3	TO	352+30.5	LT	123.0
352+30.5	TO	352+95.0	LT	23.5
352+95.0	TO	354+00.0	LT	40.8
354+00.0	TO	354+69.4	LT	27.8
354+69.4	TO	355+39.7	LT	27.3
355+39.7	TO	356+57.4	LT	48.4
356+57.4	TO	357+95.0	LT	26.0
357+95.0	TO	358+54.6	LT	11.3
358+54.6	TO	359+13.1	LT	10.4
346+00.0	TO	347+30.4	RT	142.0
347+30.4	TO	348+19.3	RT	85.0
348+19.3	TO	348+85.0	RT	56.2
348+85.0	TO	349+17.0	RT	41.2
349+17.0	TO	349+40.6	RT	24.1
349+40.6	TO	349+65.1	RT	24.0
349+65.1	TO	350+44.1	RT	62.5
350+44.1	TO	350+61.4	RT	12.5
350+61.4	TO	350+76.2	RT	10.2
350+76.2	TO	351+25.8	RT	39.7
351+25.8	TO	351+50.1	RT	15.6
351+50.1	TO	352+51.0	RT	71.7
352+51.0	TO	352+73.4	RT	14.2
352+73.4	TO	353+34.3	RT	39.9
353+34.3	TO	353+43.3	RT	2.9
353+43.3	TO	354+00.0	RT	5.0
354+00.0	TO	355+00.0	RT	15.6
355+00.0	TO	356+00.0	RT	26.2
356+00.0	TO	356+56.3	RT	18.1
356+56.3	TO	356+92.9	RT	11.8
356+92.9	TO	357+31.6	RT	13.8
357+31.6	TO	358+00.0	RT	31.9
358+00.0	TO	358+31.0	RT	18.3
358+31.0	TO	358+92.6	RT	34.2
358+92.6	TO	359+13.1	RT	9.6
TOTALS				1974

TEMPORARY RAMP SCHEDULE	
LOCATION	TEMPORARY RAMP SY
ENTRANCES	
347+74.71	64
349+51.83	35
352+64.79	35
355+06.03	35
358+23.85	29
347+79.45	52
349+19.89	39
350+20.65	38
351+05.60	36
353+09.79	38
357+09.18	25
358+83.01	74
COLLINSVILLE RD	
346+00.00	43
359+13.14	70
TOTALS	724

SHOULDER SCHEDULE				
LOCATION				HMA SHOULDERS, 8"
STATION		OFFSET		SY
346+00.0	TO	346+42.7	LT	33.2
346+42.7	TO	347+50.9	LT	96.2
348+00.0	TO	358+67.1	LT	948.5
358+67.1	TO	359+00.0	LT	25.6
359+00.0	TO	359+13.1	LT	8.8
346+00.0	TO	346+83.8	RT	65.2
346+83.8	TO	358+40.0	RT	1027.7
TOTALS				2205

CULVERT SCHEDULE									
LOCATION		PRECAST BOX CULVERT SCHEDULE (ASTM C 1577)				PIPE CULVERTS			TRAVERSABLE PIPE GRATE
		PRECAST CONCRETE BOX CULVERTS 5'x3'	PRECAST CONCRETE BOX CULVERTS 5'x3'	BOX CULVERT END SECTION	GRATE TYPE 8	PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 36"	CONC. END SECTION; STD 542011, EQUIVALENT SIZE 36", 1:6		
STATION	OFFSET	FT	FT	EACH	EACH	FT	EACH	FT	
347+56.6	TO 348+04.4	RT	95.4						200
349+34.1	TO 349+69.1	LT				35	2		100
349+00.3	TO 351+24.3	RT	428.0	20.0	4	4			200
352+46.0	TO 352+83.0	LT				37	2		100
352+87.6	TO 353+25.6	RT	76.0		4				200
354+85.2	TO 355+21.2	LT				36	2		100
356+97.1	TO 357+20.9	RT	47.6		4				200
358+09.5	TO 358+38.8	LT				29	2		100
358+49.2	TO 358+82.6	RT	66.8		4				200
TOTALS			714	20	20	4	137	8	1400

STRUCTURE/CULVERT REMOVAL SCHEDULE									
LOCATION			PIPE CULVERT REMOVAL	REMOVAL OF EXISTING STRUCTURE	STORM SEWER REMOVAL 12"	REMOVING INLETS	TRENCH BACKFILL	DESCRIPTION	
STATION	OFFSET	FT	FT	EACH	FT	EACH	CY		
347+55.5	TO 348+08.3	RT		STRUCTURE NO. 1					8' x 3' BOX
348+73.0	TO 349+78.1	RT	106						72" CMP EL.
349+06.0	TO 349+06.0	LT			22	1	16.6		12" CMP
349+29.1	TO 349+73.1	LT	45						18" CMP
349+88.0	TO 349+88.0	LT			15	1	12.5		12" CMP
349+94.8	TO 350+56.8	RT	62						72" CMP EL.
350+63.9	TO 350+63.9	LT			20	1	17.9		12" CMP
350+70.0	TO 351+30.8	RT	61						72" CMP EL.
352+45.8	TO 352+83.3	LT	37						36" CMP
352+80.6	TO 353+33.3	RT	53						72" CMP EL.
354+84.4	TO 355+20.8	LT	36						36" CMP
356+94.0	TO 357+24.4	RT		STRUCTURE NO. 2					6' x 3' BOX
357+94.1	TO 358+43.2	LT	50						36" CMP
358+52.5	TO 358+83.5	RT		STRUCTURE NO. 3					6' x 3' BOX
TOTALS			450	3	57	3	47		

SIDEROAD AND ENTRANCE SCHEDULE							
LOCATION		DRIVEWAY PAVEMENT REMOVAL	PAVEMENT REMOVAL	AGGREGATE BASE COURSE, TYPE B, 6"	HMA ASPHALT BINDER COURSE, IL -19.0 FG, N90	POLY HMA SURFACE COURSE, MIX "D", N90	
STATION	OFFSET	TYPE	SY	SY	SY	TON	TON
347+74.7	LT	SR		102	139	23	23
349+51.8	LT	CE	232		220	37	37
349+82.7 TO 352+33.8	LT	PK	82				
352+64.4	LT	CE	333		244	41	41
352+95.8 TO 354+69.7	LT	PK	70				
355+06.0	LT	CE	368		289	49	49
358+23.9	LT	CE	122		76	13	13
347+79.5	RT	CE	286		231	39	39
349+07.1	RT	CE	221				
349+55.0	RT	CE	112				
349+19.9	RT	CE			246	41	41
350+20.7	RT	CE	363		247	41	41
351+05.6	RT	CE	282		226	38	38
353+09.8	RT	CE	209		170	29	29
357+09.2	RT	CE, PK	506		189	32	32
358+83.0	RT	SR		234	273	46	46
358+83.0	RT	PK	13				
TOTALS			3199	336	2549	428	428

PRIME COAT SCHEDULE											
LOCATION			LENGTH	WIDTH	AREA	BITUMINOUS MATERIALS (PRIME COAT)			POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)		
STATION	OFFSET	FEET	FEET	SQ FT	.05LB/S	.025LB/S	.25LB/S	.025LB/SF			
WIDENING - 2 COATS, ONE ON THE AGGREGATE BASE, ONE BETWEEN THE INITIAL 3 1/4" LIFT AND THE FINAL 2 1/4" LIFT											
346+00	TO 346+43	LT	42.7	2	85.4			2.1	21.3		
346+00	TO 347+45	RT	145.4	4	581.6			14.5	145.4		
346+43	TO 347+40	LT	97.2	4	388.8			9.7	97.2		
347+40	TO 348+00	LT	60.1	6.95	417.7			10.4	104.4		
347+45	TO 348+00	RT	54.6	6.7	365.8			9.1	91.5		
348+00	TO 348+08	LT	8.2	8	65.6			1.6	16.4		
348+00	TO 348+26	RT	25.5	7.75	197.6			4.9	49.4		
348+08	TO 348+80	LT	71.8	8.15	585.2			14.6	146.3		
348+26	TO 354+00	RT	574.5	7.8	4481.1			112.0	1120.3		
348+80	TO 349+60	LT	80	8.2	656.0			16.4	164.0		
349+60	TO 350+78	LT	118.2	8.3	981.1			24.5	245.3		
350+78	TO 351+84	LT	105.6	8.4	887.0			22.2	221.8		
351+84	TO 352+80	LT	96	8.45	811.2			20.3	202.8		
352+80	TO 354+00	LT	120.2	8.55	1027.7			25.7	256.9		
354+00	TO 354+05	LT	5	8.6	43.0			1.1	10.8		
354+00	TO 354+05	RT	5.1	7.5	38.2			1.0	9.6		
354+05	TO 354+89	LT	83.5	8.8	734.8			18.4	183.7		
354+05	TO 354+89	RT	83.4	7.6	633.8			15.8	158.5		
354+89	TO 356+08	LT & RT	119.5	8.025	959.0			24.0	239.7		
356+08	TO 356+97	LT	89.2	9.4	838.5			21.0	209.6		
356+97	TO 357+92	LT	94.8	7.7	730.0			18.2	182.5		
356+08	TO 356+97	RT	89.2	6	535.2			13.4	133.8		
356+97	TO 358+13	RT	115.3	4	461.2			11.5	115.3		
357+92	TO 358+67	LT	75.1	4	300.4			7.5	75.1		
358+13	TO 359+13	RT	100.5	2	201.0			5.0	50.3		
358+67	TO 359+13	LT	45.9	2	91.8			2.3	23.0		
RESURFACING - FOR BINDER ON TOP OF NEW BASE AND MILLED AREAS AND POLY SUREFACE ON BINDER											
346+00	TO 346+30		30.00	57.5	1725.0			52.9	16.7	43.1	
346+30	TO 354+89		858.51	60	51510.6			2032.3	271.6	1287.8	
354+89	TO 358+19		330.71	53.4	17643.4			633.5	122.3	441.1	
358+19	TO 359+13		93.92	45.5	4273.4			184.0	14.8	106.8	
SIDEROADS AND ENTRANCES - FOR BINDER ON AGG AND THEN POLY SURFACE ON BINDER											
347+75	LT				138.8				34.7	3.5	
349+52	LT				219.6				54.9	5.5	
352+64	LT				244.3				61.1	6.1	
355+06	LT				289.3				72.3	7.2	
358+24	LT				76.1				19.0	1.9	
347+79	RT				230.7				57.7	5.8	
349+20	RT				246.1				61.5	6.2	
350+21	RT				246.8				61.7	6.2	
351+06	RT				225.9				56.5	5.6	
353+10	RT				169.7				42.4	4.2	
357+09	RT				188.9				47.2	4.7	
358+83	RT				272.8				68.2	6.8	
SUB TOTALS								2903	853	4912	1943
TOTALS									8668		1943

FILE NAME =	USER NAME = #USER#	DESIGNED - ___	REVISED - ___
#FILE#		DRAWN - ___	REVISED - ___
	PLOT SCALE = #SCALE#	CHECKED - ___	REVISED - ___
	PLOT DATE = #DATE#	DATE - ___	REVISED - ___

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULES OF QUANTITIES

SCALE: _____	SHEET NO. 2 OF 5 SHEETS	STA. _____ TO STA. _____	F.A.U. RTE. 9128	SECTION 28-R-1	COUNTY MADISON	TOTAL SHEETS 64	SHEET NO. 14
						CONTRACT NO. 76F11	
FED. ROAD DIST. NO. [] ILLINOIS FED. AID PROJECT							

EARTHWORK SCHEDULE																			
LOCATION		LEFT						RIGHT											
		EARTH EXCAVATION			EARTH EXCAVATION WIDENING			FILL			EARTH EXCAVATION			EARTH EXCAVATION WIDENING			FILL		
		MEASURED	ACTUAL	VOLUME	MEASURED	ACTUAL	VOLUME	MEASURED	ACTUAL	VOLUME	MEASURED	ACTUAL	VOLUME	MEASURED	ACTUAL	VOLUME	MEASURED	ACTUAL	VOLUME
344+00	50																		
344+50	50																		
345+00	50																		
345+50	50																		
346+00	35																		
346+35	15																		
346+50	50																		
347+00	13																		
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357+50	50																		
358+00	21																		
358+21	3																		
358+24	26																		
358+50	33																		
358+83	17																		
359+00	9																		
359+09																			
		373.39																	
SEE EARTHWORK SUMMARY FOR TOTALS																			

EARTHWORK SUMMARY					
LOCATION	EARTH EXCAVATION		EARTH EXCAVATION WIDENING		TOTAL EXCAVATION ADJUSTED FOR SHRINKAGE (-25%) IN CUBIC YARDS
	MEASURED	ACTUAL	MEASURED	ACTUAL	
LEFT	373.4		533.5		722.7
RIGHT	2468.9		420.7		799.2
TOTAL	2842.2		954.1		1521.9
EARTHWORK TOTALS	3796.4				2847.3
					1521.9
					+1325

FILE NAME =	USER NAME = *USER*	DESIGNED - ___	REVISED - ___	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULES OF QUANTITIES	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
*FILE#		DRAWN - ___	REVISED - ___			9128	28-R-1	MADISON	64	15	
	PLOT SCALE = *SCALE*	CHECKED - ___	REVISED - ___			SCALE: _____ SHEET NO. 3 OF 5 SHEETS STA. _____ TO STA. _____					
	PLOT DATE = *DATE*	DATE - _____	REVISED - ___			FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT					

SEEDING AND EROSION CONTROL													
LOCATION		EROSION CONTROL BLANKET	TEMPORARY EROSION CONTROL BLANKET	SEEDING, CLASS 2A	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	MULCH, METHOD 2	TEMPORARY EROSION CONTROL SEEDING	TEMPORARY DITCH CHECKS	INLET AND PIPE PROTECTION	PERIMETER EROSION BARRIER	
STATION	OFFSET	SQ YD	SQ YD	ACRE	POUND	POUND	POUND	ACRE	POUND	FOOT	EACH	FEET	
347+90	349+36	LEFT	436	436	0.13	12	12	12	0.04	13	36	143	
349+67	352+49	LEFT	863	863	0.25	22	22	22	0.07	25	54	279	
352+81	359+88	LEFT	624	624	0.18	16	16	16	0.05	18	54	214	
355+19	358+12	LEFT	1025	1025	0.28	25	25	25	0.07	28	54	293	
358+36	359+13	LEFT	225	225	0.07	6	6	6	0.02	7	18	113	
343+83	347+62	RIGHT	1960	1960	0.52	47	47	47	0.12	52	72	444	
347+97	349+02	RIGHT	306	306	0.13	12	12	12	0.07	13	18	106	
349+37	350+03	RIGHT			0.09	8	8	8	0.09	9		66	2
350+38	350+90	RIGHT			0.07	6	6	6	0.07	7		51	2
351+22	352+90	RIGHT	695	695	0.21	19	19	19	0.07	21	36	187	
353+24	356+97	RIGHT	1737	1737	0.45	40	40	40	0.09	45	72	376	
357+21	358+53	RIGHT	476	476	0.14	12	12	12	0.04	14	54	143	
358+79	359+13	RIGHT	104	104	0.03	3	3	3	0.01	3	18	34	
TOTALS			8450	8450	2.6	230	230	230	0.8	256	486	4	2449

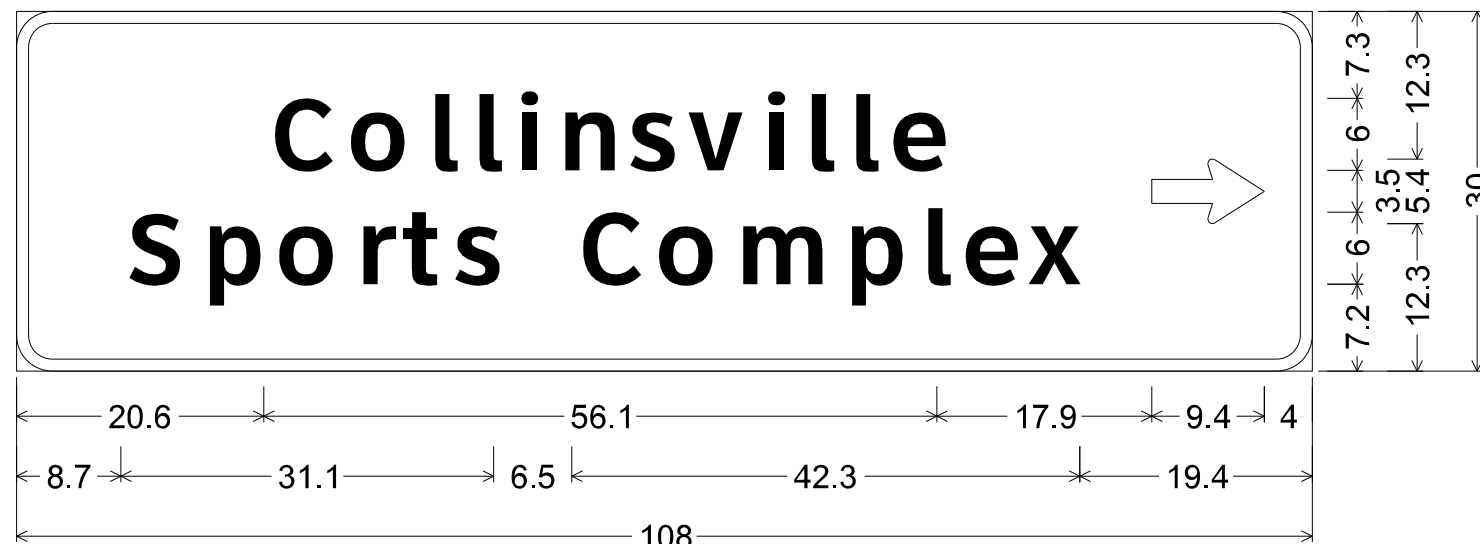
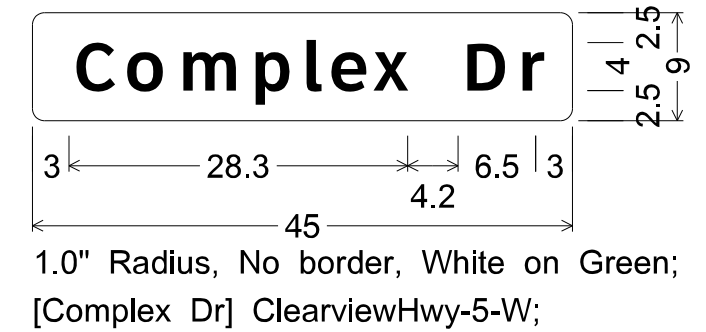
GRADING AND SHAPING DITCHES SCHEDULE				
LOCATION				GRADING AND SHAPING DITCHES
				FT
20+50	TO	22+75	ARNOLD DR	225.0
TOTALS				225.0

SIDEWALK SCHEDULE				
LOCATION			SIDEWALK REMOVAL	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH
STATION	TO	OFFSET	SF	SF
355+19.5	TO	359+00.0	LT	1902.5
TOTALS			1903	1903

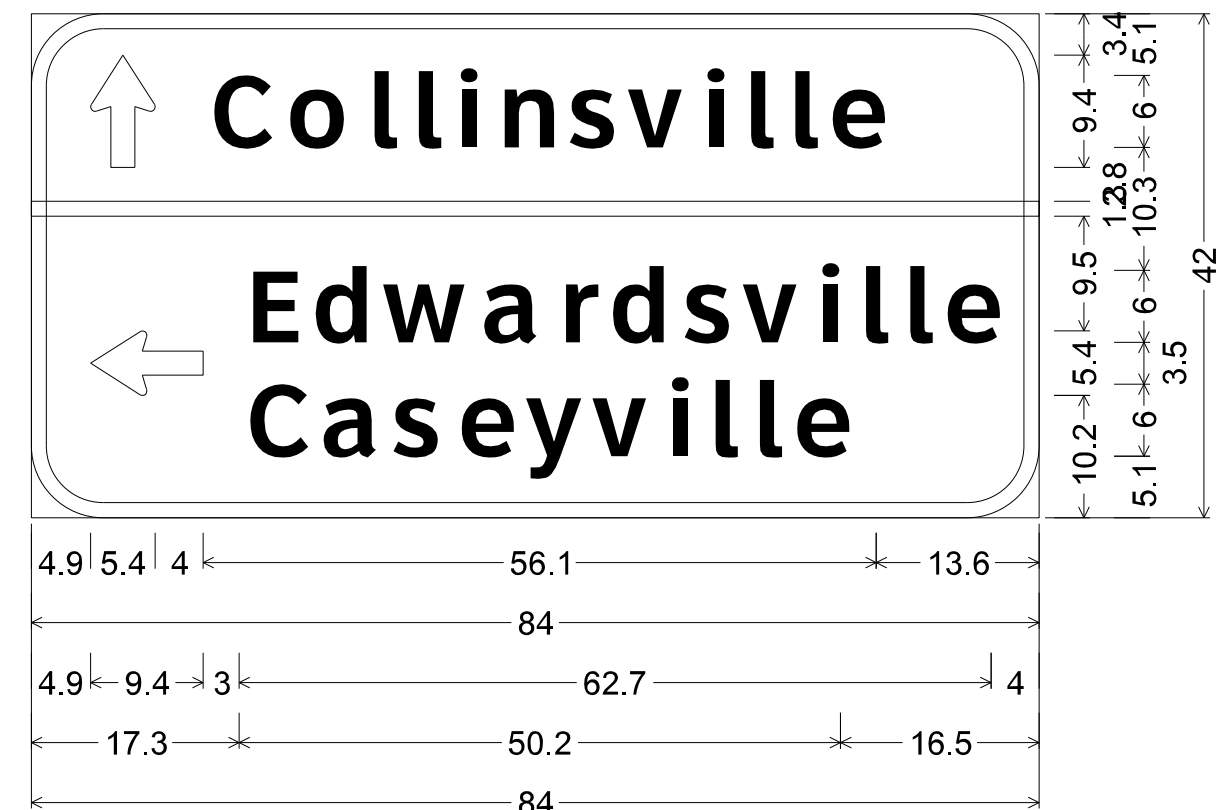
PAVEMENT MARKING SCHEDULE													
LOCATION		THERMOPLASTIC PAVEMENT MARKING						RAISED REFLECTIVE PAVEMENT MARKERS		SHORT TERM PAVEMENT MARKING LANES	WORK ZONE PAVEMENT MARKING REMOVAL		
		4"				12" YELLOW DIAGONAL	LETTERS AND SYMBOLS	ONE WAY CRYSTAL	TWO WAY AMBER				
		SOLID		SKIP DASH									
STATION	TO	WHITE	YELLOW	WHITE	YELLOW	FT	SF	EACH	EACH	FY	SF		
345+59.9	TO	346+00.0	80	10						16	33		
346+00.0	TO	346+64.0	128	225	40		61			64	203		
346+64.0	TO	347+30.0	132	132	40	40				64	125		
347+30.0	TO	348+21.4	91	183	50	50				88	139		
348+21.4	TO	357+61.0	1879	1879	470	470				904	1717		
357+61.0	TO	358+19.9	118	118	20	30				48	103		
358+19.9	TO	359+14.5	95	189	30	50				72	133		
359+14.5	TO	363+01.0		773		200				156	350		
363+01.0	TO	363+61.0		120							40		
363+61.0	TO	364+36.0	75	150			31.2				106		
346+64.0	TO	363+01.0					250		85		250		
363+01.0	TO	364+36.0						4	4				
345+59.9	TO	357+61.0						32					
357+61.0	TO	359+14.5						2					
SUB-TOTALS			2518	3849	660	840	61	281	38	89	1412	3200	
TOTALS				7867			61	281	127		1412	3200	

PAVEMENT MARKING REMOVAL SCHEDULE								
LOCATION			YELLOW		WHITE		PAVEMENT MARKING REMOVAL	RRPM REMOVAL
			4" SOLID	12" DIAGONAL	4" SOLID	LETTERS AND SYMBOLS		
STATION	TO	STATION	FT	FT	FT	SF	EACH	
345+59.9	TO	346+00.0	40.1				13.4	
346+00.0	TO	359+13.1					0	66
359+13.1	TO	363+01.0	1551	120			637.1	20
363+01.0	TO	363+20.2	38				12.8	1
363+20.2	TO	364+36.0	231.6		116	31.2	147	6
TOTALS						810	93	

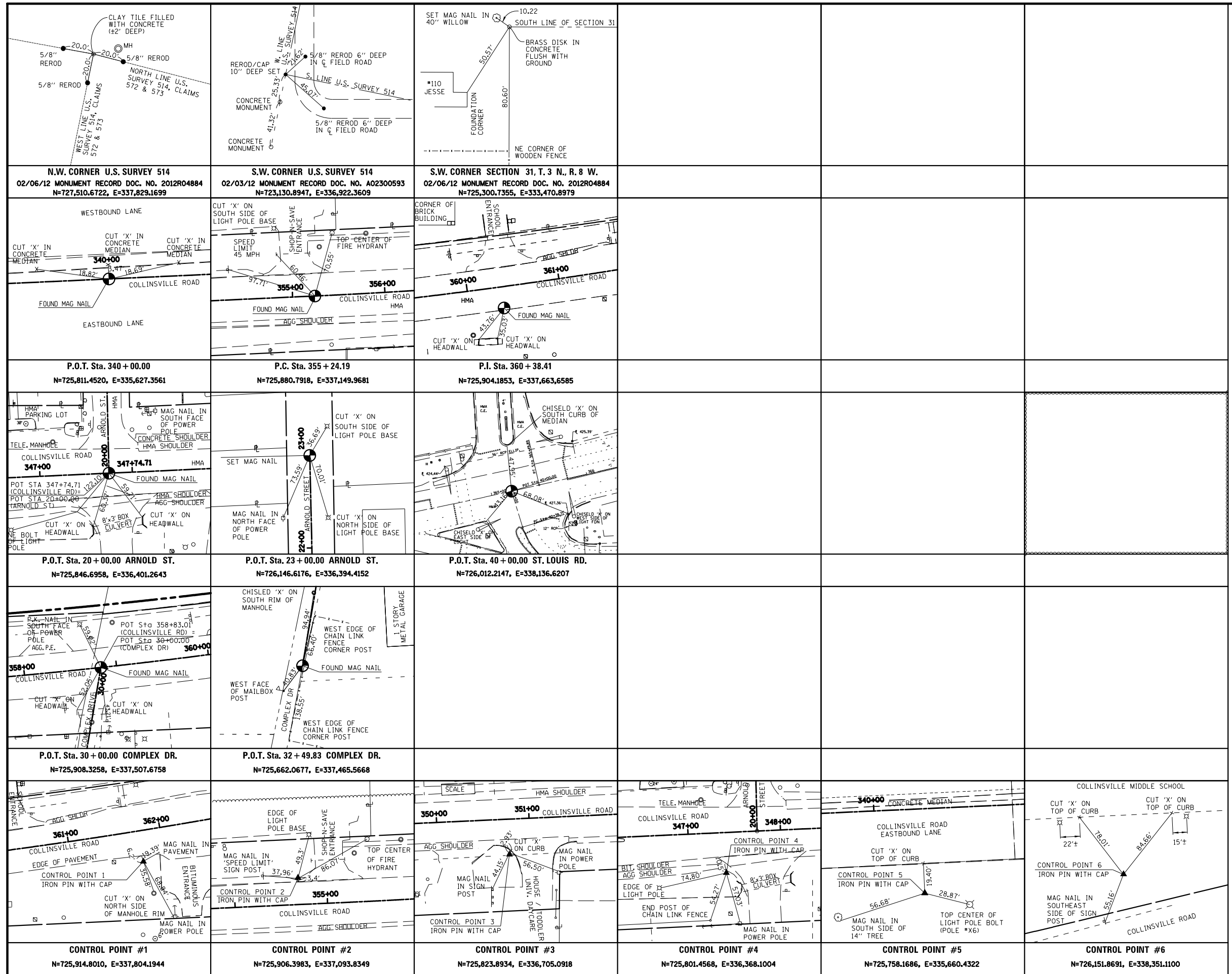
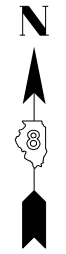
SIGN SCHEDULE												
LOCATION	DESCRIPTION			REMOVE GROUND MOUNTED SIGN	REMOVE SIGN PANEL		SIGN PANEL			REMOVE SIGN PANEL ASSEMBLY		WOOD SIGN SUPPORT
					TYPE 2	TYPE 3	TYPE 1	TYPE 2	TYPE 3	TYPE A	TYPE B	
				EACH	SF	SF	SF	SF	SF	SF	FT	
346+60 RT	R2-1	SPEED LIMIT 45	3'X4'	1	12						17	
347+10 RT		HISTORIC NATIONAL ROAD	2'X2.5'				5					
	D6-4A	AMERICA'S BYWAYS	2'X1'				2		7			
352+55 RT	D1-1	CLNSVL, EDWVL, CSYVL	6'X4'	2		24				24.5	28	
356+90 RT	M4-5	TO	1.75'X1'					1.75				
	M1-100	IL 157	2.5'X2'					5				
	M6-3	UP ARROW	1.75'X1.25'	1				2.2				
		HISTORIC NATIONAL ROAD	2'X2.5'					5		18.1	21	
	D6-4A	AMERICA'S BYWAYS	2'X1'					2				
	M5-2R	UP/RIGHT ARROW	1.75'X1.25'					2.25				
358+40 RT		CLNSVLE SPRT CMLX	9'X2.5'		22.5				22.5		25	
358+95 RT	D3-1	COMPLEX DR (2 SIGNS)	3.75'X0.75'				5.6					
	R1-1	STOP SIGN	2.5'X2.5'	1			6.25			18.1	16	
	R3-1	NO LEFT TURN	2.5'X2.5'				6.25					
358+60 LT	R8-3	NO PARKING	1'X1.5'	1			1.5		7.8		16	
	R3-1	NO LEFT TURN	2.5'X2.5'				6.25					
354+80 LT	R2-1	SPEED LIMIT 45	3'X4'	1	12				12		17	
351+80 LT	M1-1	INTERSTATE 255	3'X2'				6			8.2	13	
	M2-1	JUNCTION	1.75'X1.25'	1			2.2					
347+50 LT	M3-3	SOUTH	2'X1'				2					
	M1-1	INTERSTATE 255	3'X2'				6					
	M6-3	UP ARROW	1.75'X1.25'	2			2.2			20.2	30	
	M3-4	NORTH	2'X1'				2					
	M1-1	INTERSTATE 255	3'X2'				6					
	M5-1R	UP/RIGHT ARROW	1.75'X1.25'				2.2					
TOTALS				10	46.5	24	79.7	46.5	24.5	23	56.4	183



3.0" Radius, 1.0" Border, White on Brown;
[Collinsville] ClearviewHwy-5-W; [Sports Complex] ClearviewHwy-5-W;
Standard Arrow Custom 9.4" X 5.4" 0°;



6.0" Radius, 1.3" Border, White on Green; Standard Arrow Custom 9.4" X 5.4" 90°;
[Collinsville] ClearviewHwy-5-W; Standard Arrow Custom 9.4" X 5.4" 180°;
[Edwardsville] ClearviewHwy-5-W; [Caseyville] ClearviewHwy-5-W;



FILE NAME =	USER NAME = *USER*	DESIGNED -	REVISED -
*FILE#		DRAWN -	REVISED -
	PLOT SCALE = *SCALE*	CHECKED -	REVISED -
	PLOT DATE = *DATE*	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

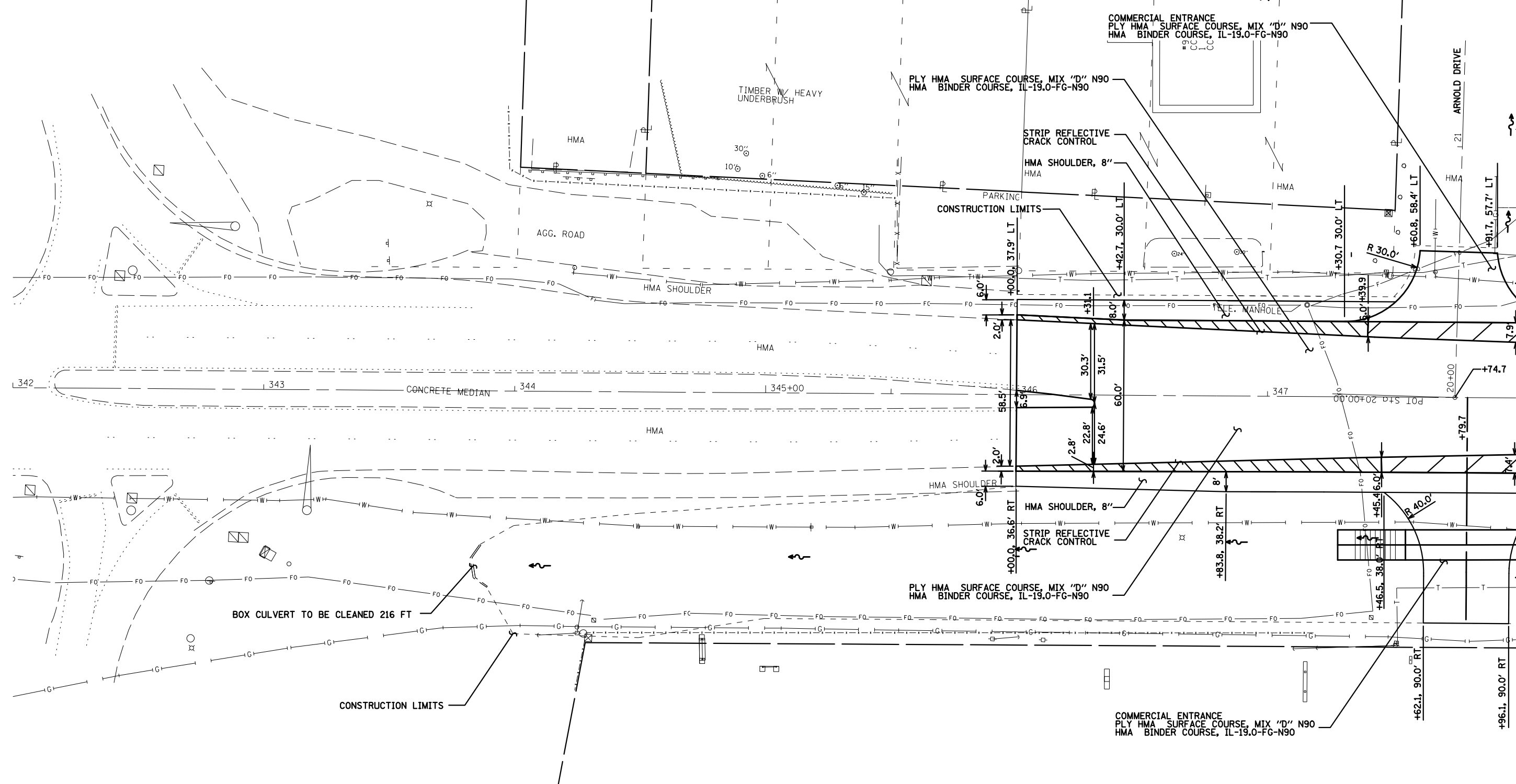
ALIGNMENTS, TIES AND BENCHMARKS			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9128	28-R-1	MADISON	64	18
CONTRACT NO. 76F11				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

BEGIN PROJECT
STATION 341+50

LEGEND

- HMA BASE COURSE, 5 1/2"
- HMA BASE COURSE WIDENING, 5 1/2"



- EXISTING ROW
- PROPOSED ROW
- TEMPORARY EASEMENT

SHEETS MATCHLINE 348+00

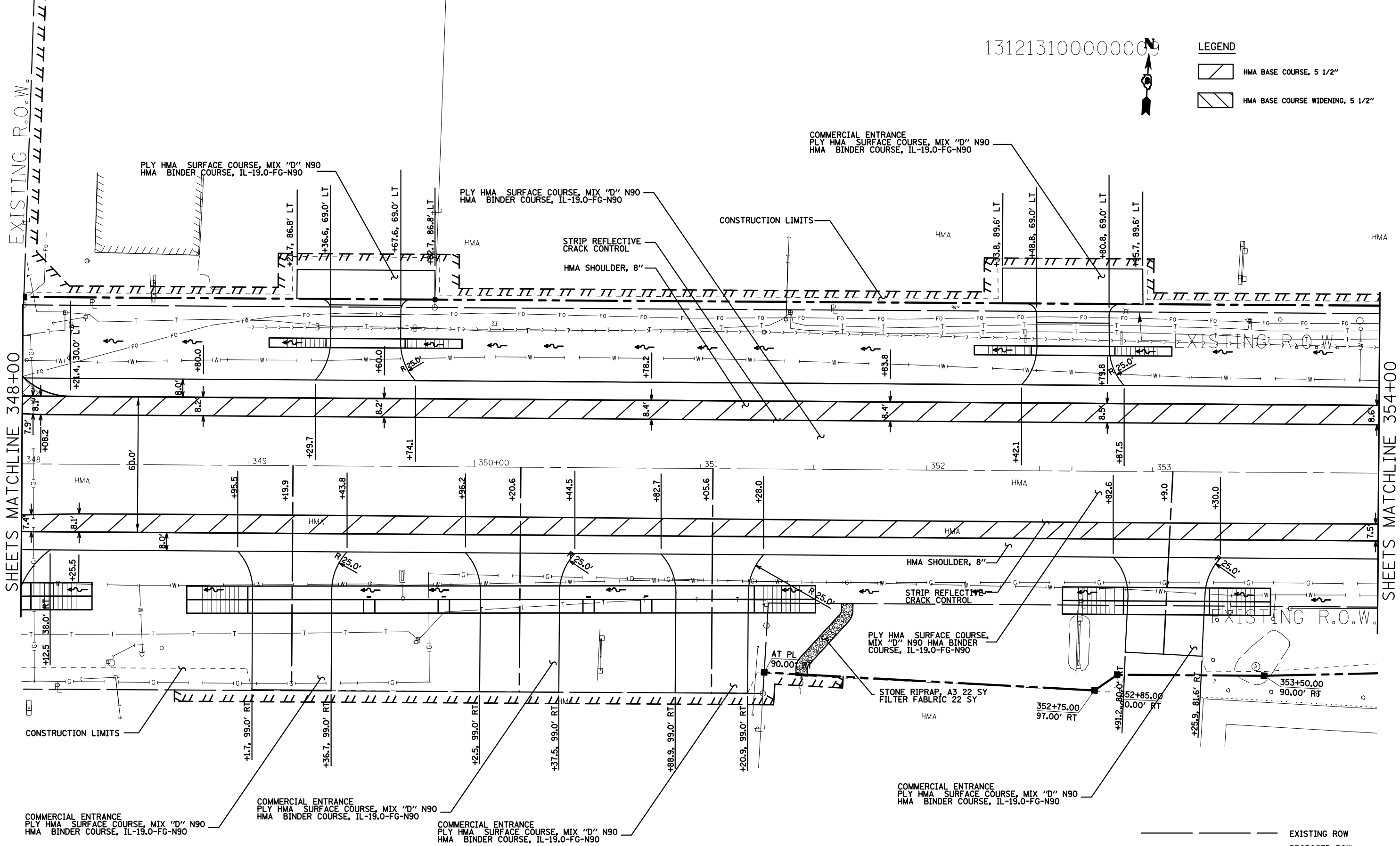
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*MODELNAME\$		CHECKED -	REVISED -		STA. 342+00	TO STA. 348+00		CONTRACT NO. 76F11					
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT								

13121310000000



LEGEND

- HMA BASE COURSE, 5 1/2"
- HMA BASE COURSE WIDENING, 5 1/2"

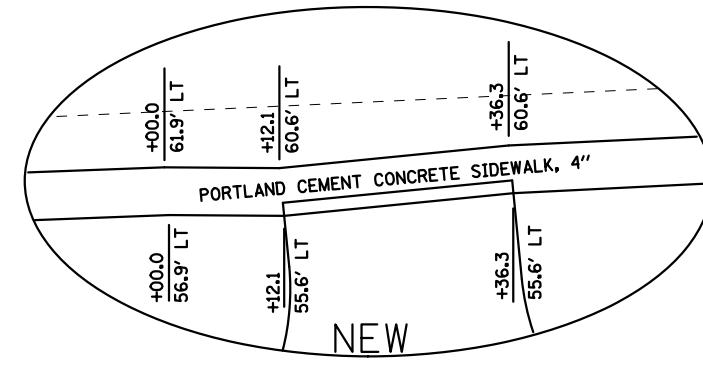


SHEETS MATCHLINE 348+00

SHEETS MATCHLINE 354+00

- EXISTING ROW
- PROPOSED ROW
- TEMPORARY EASEMENT

FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED - _____	REVISED - _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN SHEETS			F.A.U. RTE. 9128	SECTION 28-R-1	COUNTY MADISON	TOTAL SHEETS 64	SHEET NO. 20
MODELNAME#	PLOT SCALE = #SCALE#	CHECKED - _____	REVISED - _____		SCALE: 1" = 20'	SHEET 2	OF 4	SHEETS	STA. 348+00	TO STA. 354+00	CONTRACT NO. 76F11	
	PLOT DATE = #DATE#	DATE - _____	REVISED - _____		ILLINOIS FED. AID PROJECT							



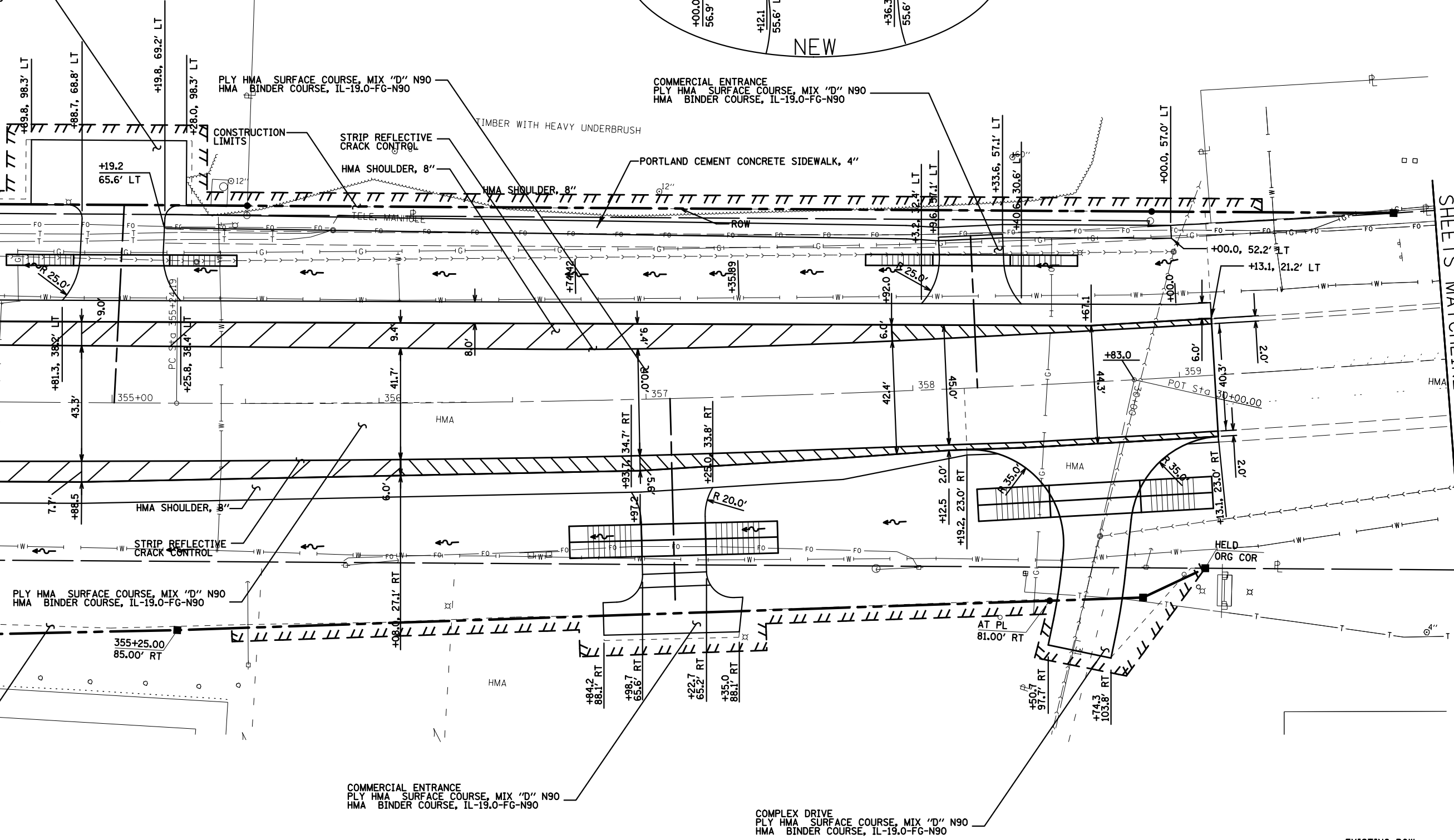
LEGEND

	HMA BASE COURSE, 5 1/2"
	HMA BASE COURSE WIDENING, 5 1/2"

COMMERCIAL ENTRANCE
PLY HMA SURFACE COURSE, MIX "D" N90
HMA BINDER COURSE, IL-19.0-FG-N90

PLY HMA SURFACE COURSE, MIX "D" N90
HMA BINDER COURSE, IL-19.0-FG-N90

COMMERCIAL ENTRANCE
PLY HMA SURFACE COURSE, MIX "D" N90
HMA BINDER COURSE, IL-19.0-FG-N90



SHEETS MATCHLINE 354+00

SHEETS MATCHLINE 360+00

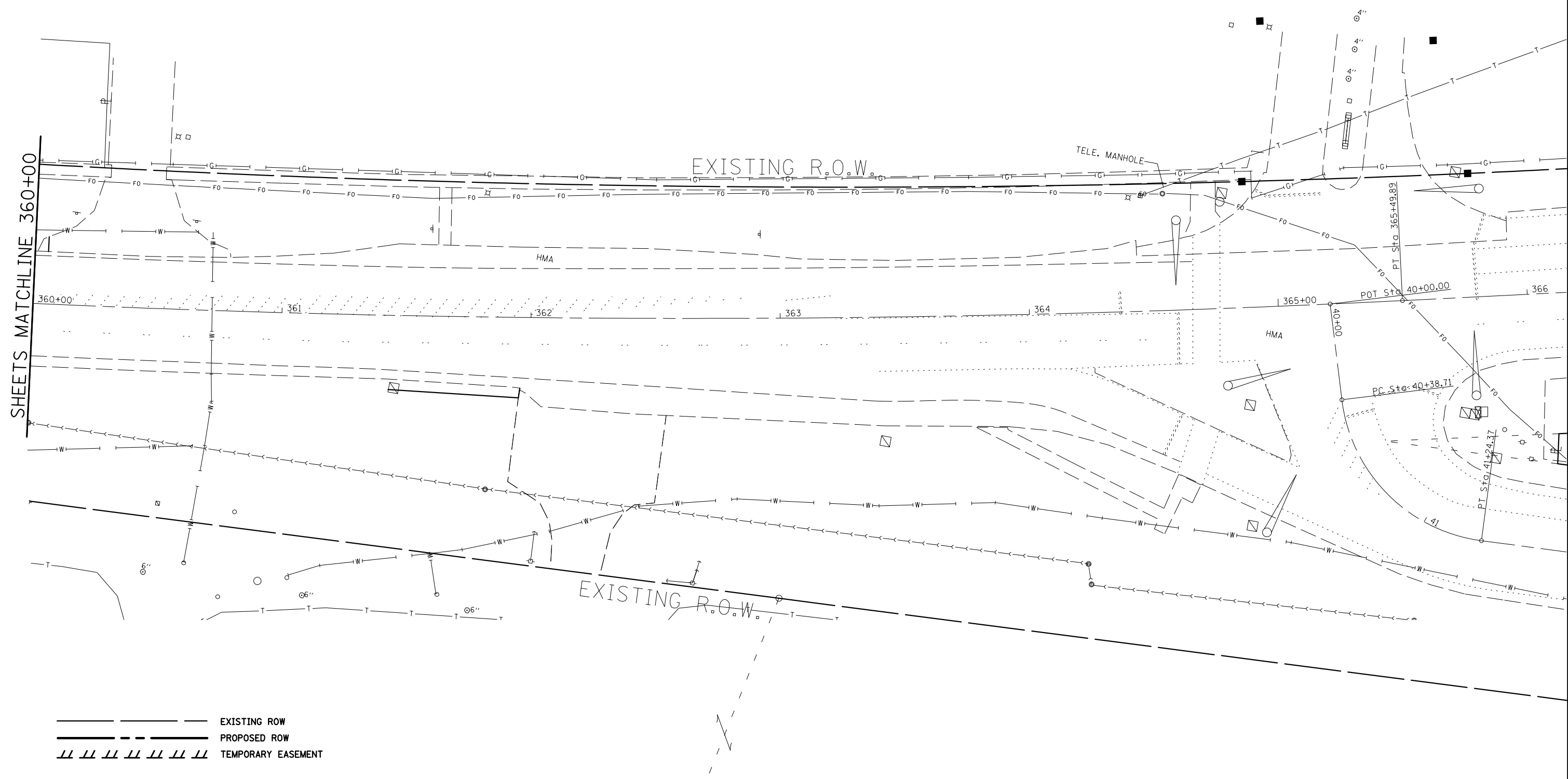
	EXISTING ROW
	PROPOSED ROW
	TEMPORARY EASEMENT

FILE NAME =	USER NAME = \$USER\$	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN SHEETS			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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*MODELNAME\$		CHECKED -	REVISED -		CONTRACT NO. 76F11							
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							
				SCALE: 1" = 20'			SHEET 3 OF 4 SHEETS		STA. 354+00 TO STA. 360+00			



LEGEND

- HMA BASE COURSE, 5 1/2"
- HMA BASE COURSE WIDENING, 5 1/2"

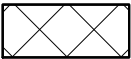
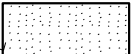

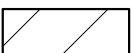


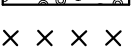


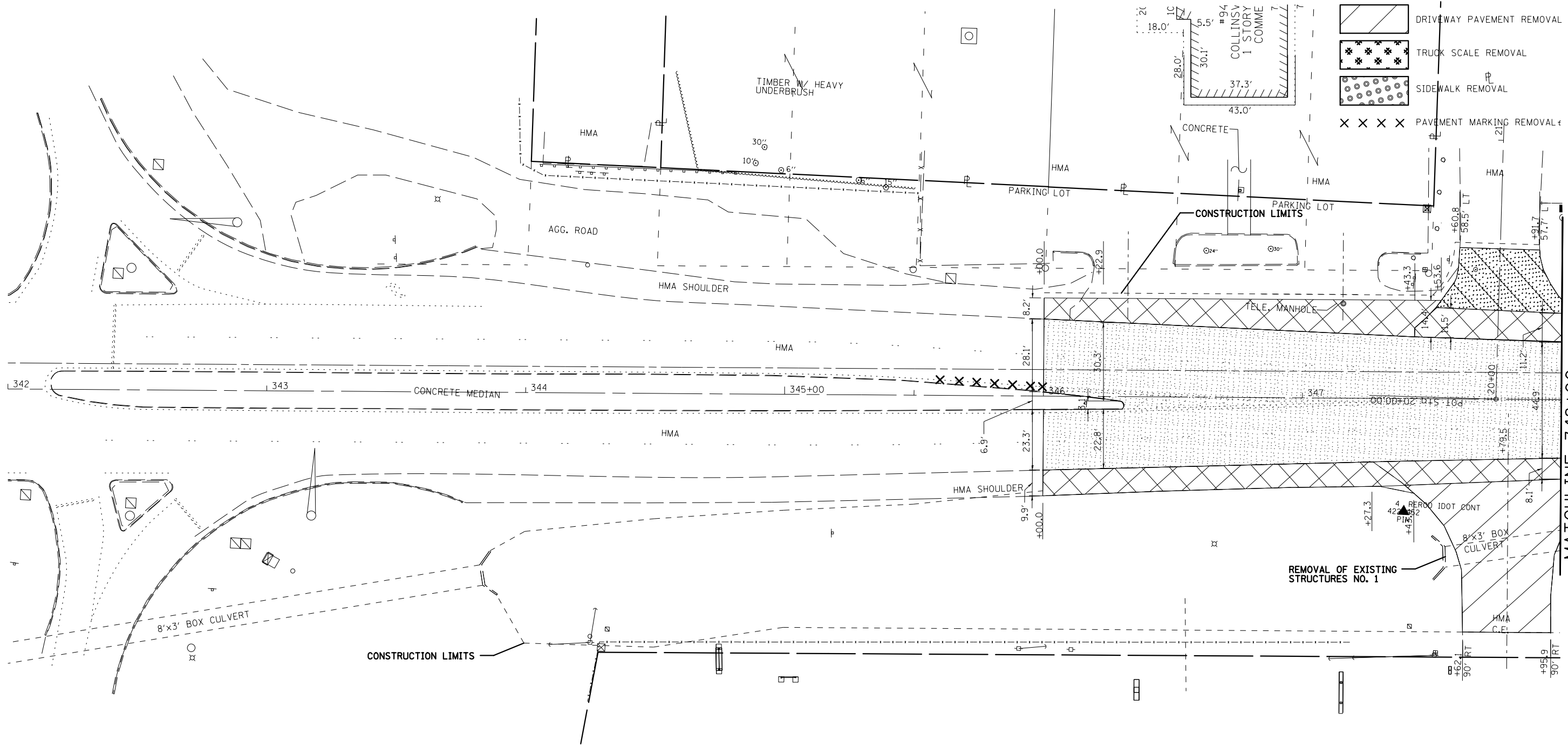
SHEETS MATCHLINE 360+00

- EXISTING ROW
- PROPOSED ROW
- TEMPORARY EASEMENT




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		DRAWN - _____	REVISED - _____		SCALE: 1" = 20' SHEET 4 OF 4 SHEETS STA. 360+00 TO STA. 366+00			CONTRACT NO. 76F11				
		CHECKED - _____	REVISED - _____		ILLINOIS FED. AID PROJECT							
MODELNAME	PLOT SCALE = *SCALE*	DATE - _____	REVISED - _____									

LEGEND

-  PAVED SHOULDER REMOVAL
-  HMA SURFACE REMOVAL, 4-1/4"
-  PAVEMENT REMOVAL
-  DRIVEWAY PAVEMENT REMOVAL
-  TRUCK SCALE REMOVAL
-  SIDEWALK REMOVAL
-  PAVEMENT MARKING REMOVAL

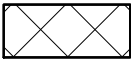
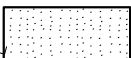
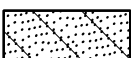
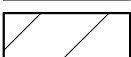
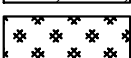
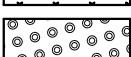
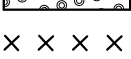


MATCHLINE 348+00

-  EXISTING ROW
-  PROPOSED ROW
-  TEMPORARY EASEMENT

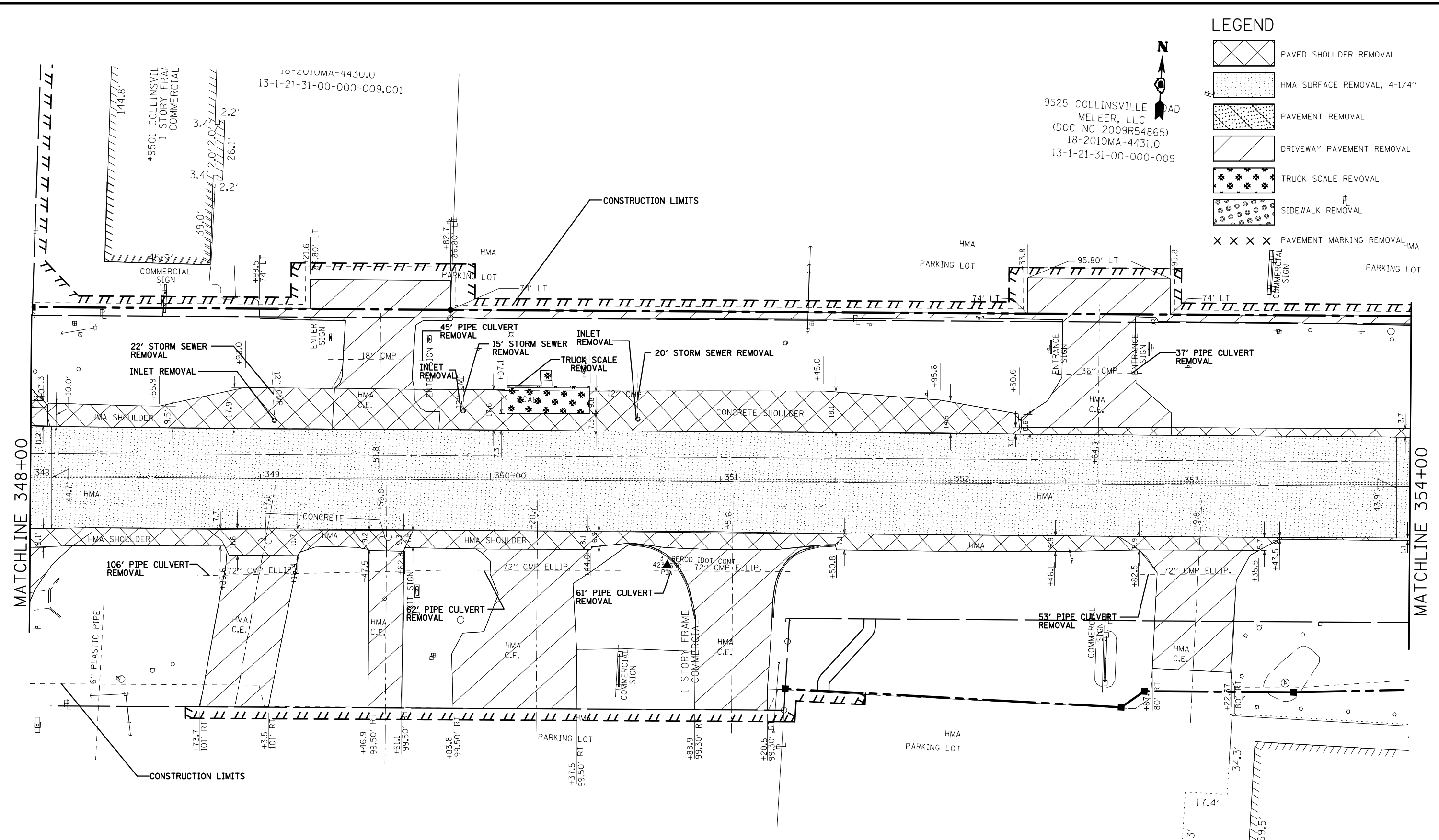
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*FILEL\$		DRAWN - _____	REVISED - _____		SCALE: 1"=20'	SHEET 1	OF 4	SHEETS	STA. 346+00	TO STA. 348+00	MADISON	64	23
*MODELNAME\$		CHECKED - _____	REVISED - _____		CONTRACT NO. 76F11								
		DATE - _____	REVISED - _____		ILLINOIS FED. AID PROJECT								

LEGEND

-  PAVED SHOULDER REMOVAL
-  HMA SURFACE REMOVAL, 4-1/4"
-  PAVEMENT REMOVAL
-  DRIVEWAY PAVEMENT REMOVAL
-  TRUCK SCALE REMOVAL
-  SIDEWALK REMOVAL
-  PAVEMENT MARKING REMOVAL






9525 COLLINSVILLE
MELEER, LLC
(DOC NO 2009R54865)
18-2010MA-4431.0
13-1-21-31-00-000-009



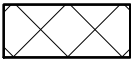



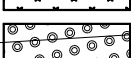
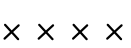

MATCHLINE 348+00

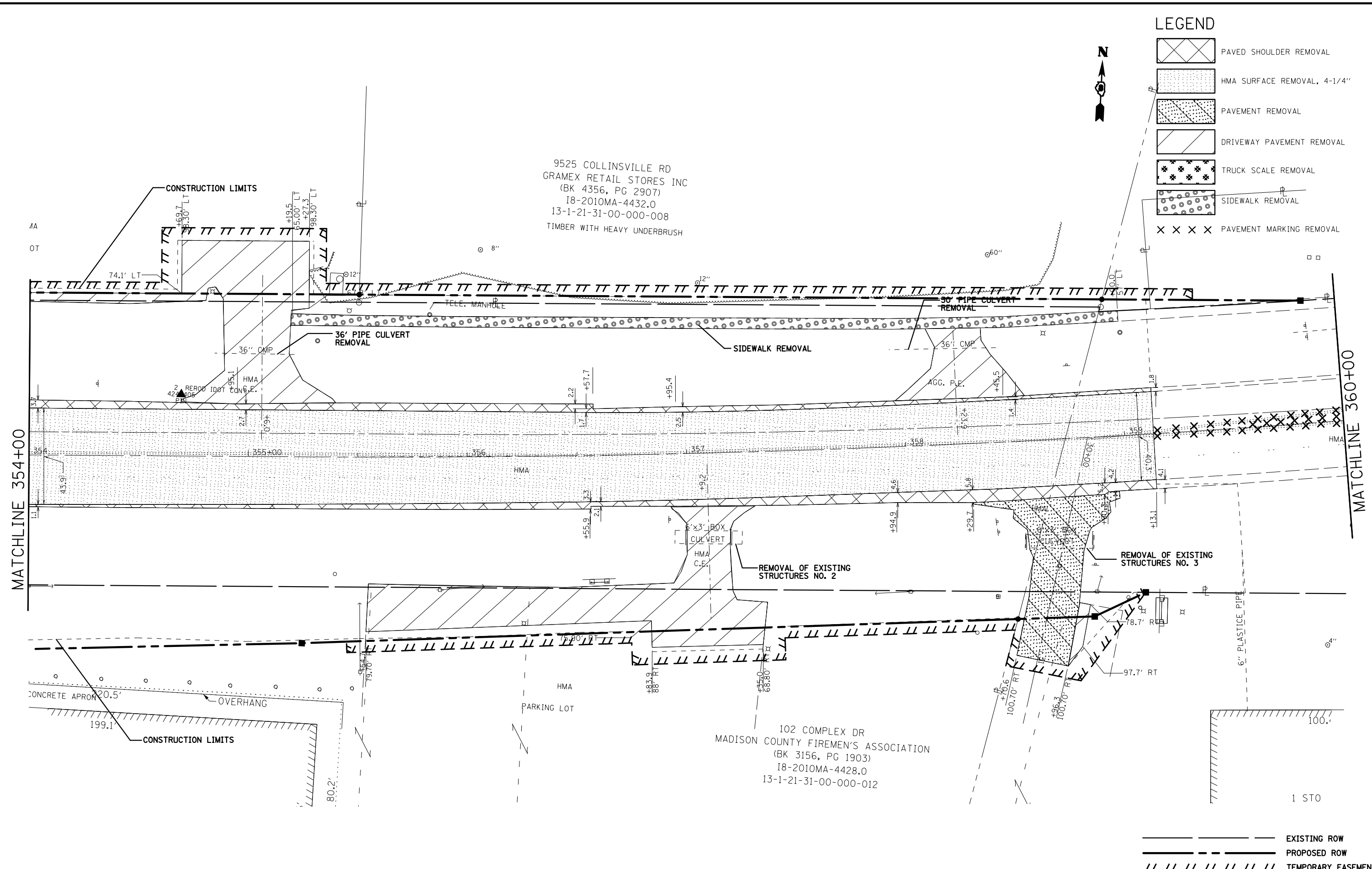
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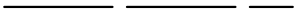


-  EXISTING ROW
-  PROPOSED ROW
-  TEMPORARY EASEMENT

FILE NAME =	USER NAME = #USER*	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REMOVAL PLAN SHEETS				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		DATE -	REVISED -		ILLINOIS FED. AID PROJECT								

LEGEND

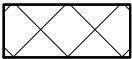
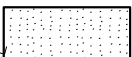
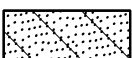
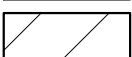

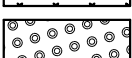

-  PAVED SHOULDER REMOVAL
-  HMA SURFACE REMOVAL, 4-1/4"
-  PAVEMENT REMOVAL
-  DRIVEWAY PAVEMENT REMOVAL
-  TRUCK SCALE REMOVAL
-  SIDEWALK REMOVAL
-  PAVEMENT MARKING REMOVAL



-  EXISTING ROW
-  PROPOSED ROW
-  TEMPORARY EASEMENT

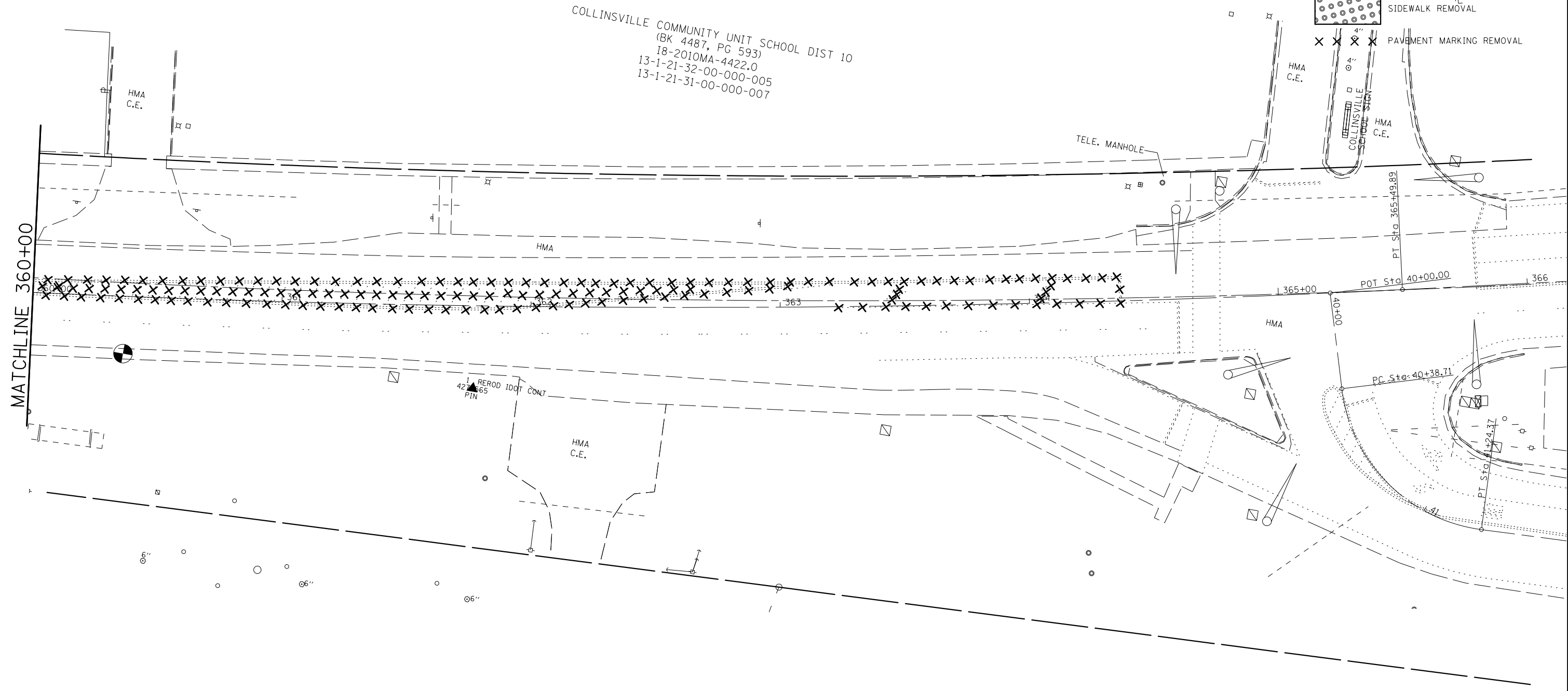
FILE NAME =	USER NAME = \$USER\$	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REMOVAL PLAN SHEETS			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
*FILE#		DRAWN -	REVISED -		SCALE: 1"=20'	SHEET 3	OF 4	SHEETS	9128	28-R-1	MADISON	64	25
*MODELNAME#		CHECKED -	REVISED -		STA. 354+00	TO STA. 360+00	CONTRACT NO. 76F11						
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT								

LEGEND




-  PAVED SHOULDER REMOVAL
-  HMA SURFACE REMOVAL, 4-1/4"
-  PAVEMENT REMOVAL
-  DRIVEWAY PAVEMENT REMOVAL
-  TRUCK SCALE REMOVAL
-  SIDEWALK REMOVAL
-  PAVEMENT MARKING REMOVAL



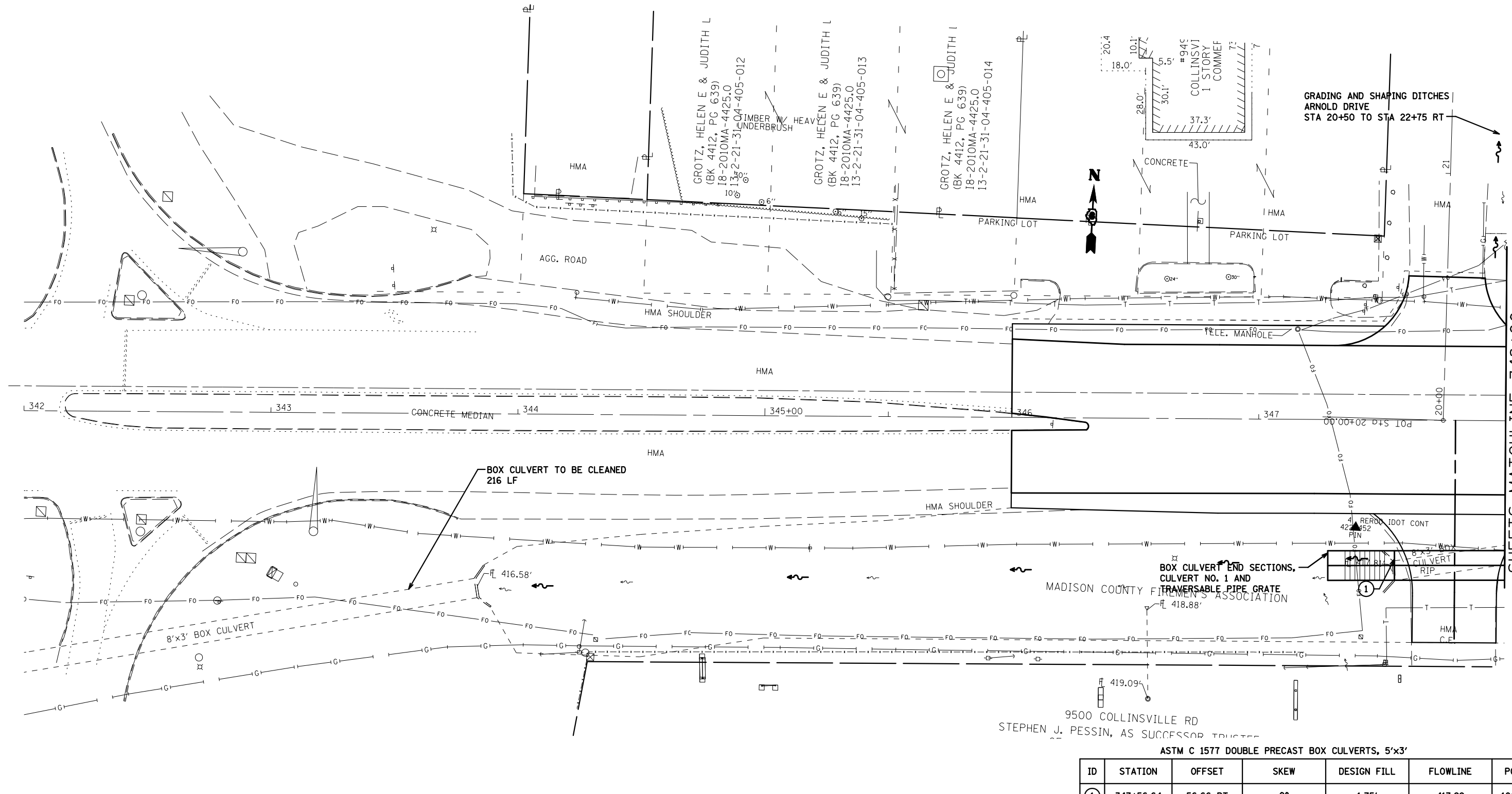
COLLINSVILLE COMMUNITY UNIT SCHOOL DIST 10
 (BK 4487, PG 593)
 18-2010MA-4422.0
 13-1-21-32-00-000-005
 13-1-21-31-00-000-007



MATCHLINE 360+00

-  EXISTING ROW
-  PROPOSED ROW
-  TEMPORARY EASEMENT

FILE NAME =	USER NAME = \$USER\$	DESIGNED - _____	REVISED - _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REMOVAL PLAN SHEETS				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
*FILEL\$		DRAWN - _____	REVISED - _____		SCALE: 1"=20'	SHEET 4	OF 4	SHEETS	STA. 360+00	TO STA. 366+00	9128	28-R-1	MADISON	64	26
*MODELNAME\$		CHECKED - _____	REVISED - _____		ILLINOIS FED. AID PROJECT				CONTRACT NO. 76F11						
		DATE - _____	REVISED - _____												



SHEETS MATCHLINE 348+00

BOX CULVERT TO BE CLEANED
 216 LF
 416.58'
 418.88'
 419.09'
 9500 COLLINSVILLE RD
 STEPHEN J. PESSIN, AS SUCCESSOR TRUSTEE
 MADISON COUNTY FIREMEN'S ASSOCIATION
 BOX CULVERT END SECTIONS,
 CULVERT NO. 1 AND
 TRAVERSABLE PIPE GRATE
 422.52' PIN
 4' REROD IDOT CONT
 8'x3' BOX CULVERT
 RIP
 HMA C.F.E.

ASTM C 1577 DOUBLE PRECAST BOX CULVERTS, 5'x3'

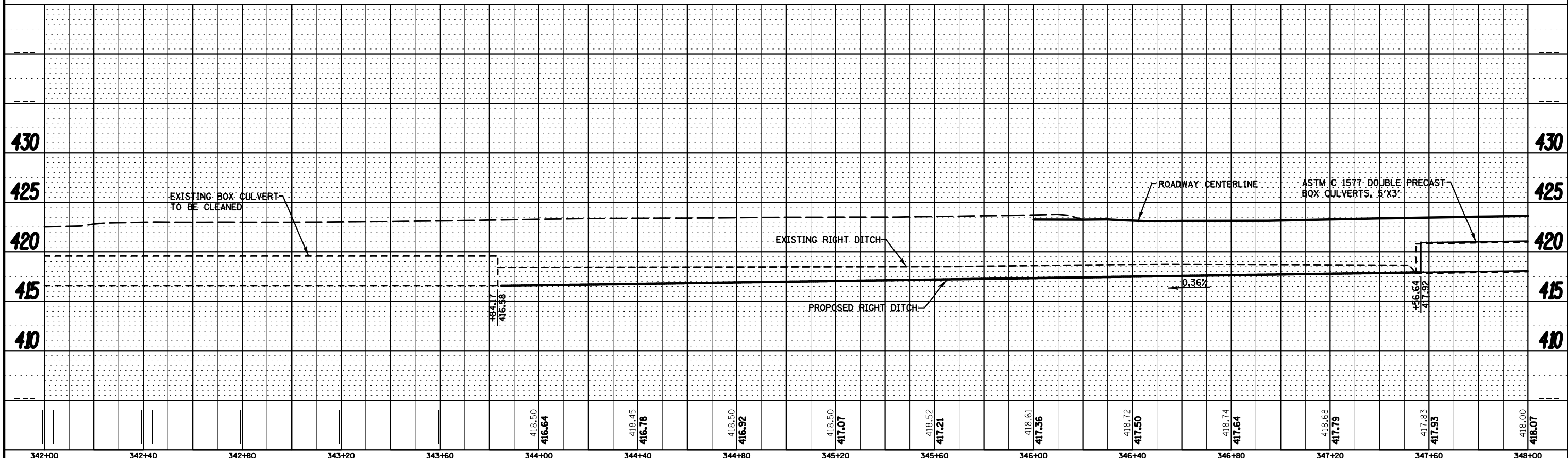
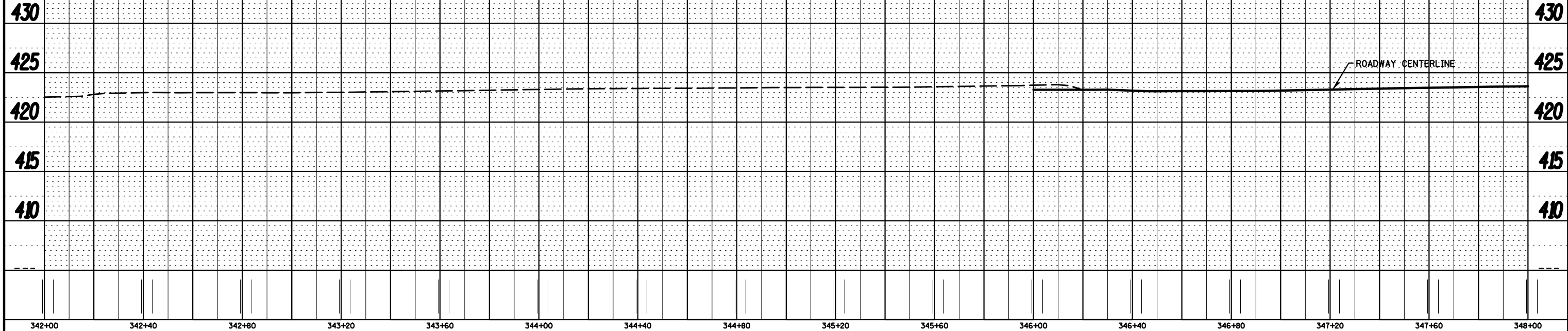
ID	STATION	OFFSET	SKEW	DESIGN FILL	FLOWLINE	PGE
①	347+56.64	56.66 RT	0°	1.75'	417.92	100.3

THE PGE SHOWN IN THE CHART IS AN APPROXIMATION OF THE QUANTITY THAT WILL BE REQUIRED FOR THE PAY ITEMS END SECTIONS, BOX CULVERTS AND BOX CULVERTS, SPECIAL. THIS IS NOT TO BE PAID FOR SEPERATELY BUT IS INCLUDED IN THE COST OF THE ASSOCIATED PAY ITEMS.

_____ EXISTING ROW
 - - - - - PROPOSED ROW
 // // // // // // // // TEMPORARY EASEMENT

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

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE		
	NOTATION		
	CHKD		

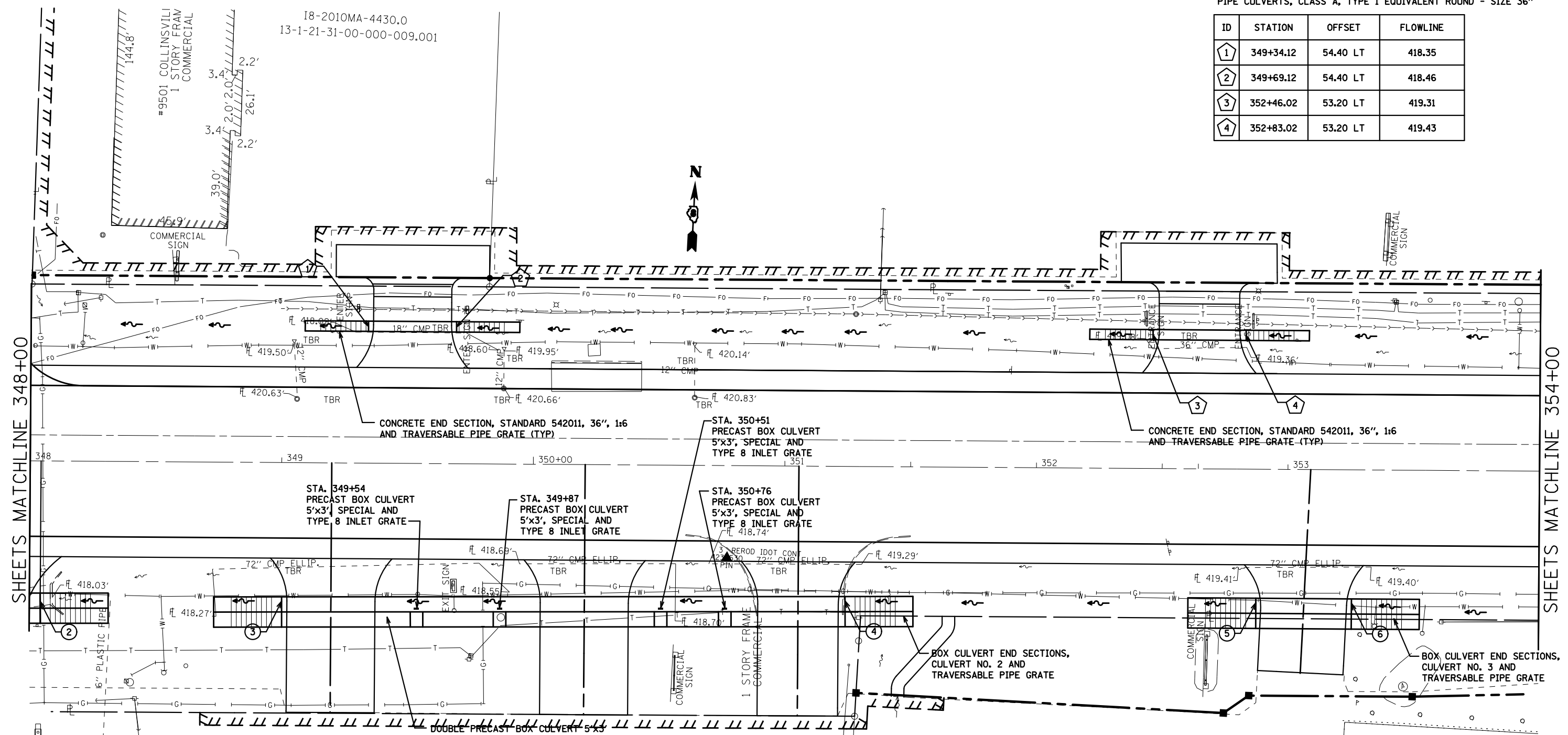


FILE NAME =	USER NAME = *USER*	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE PLAN AND PROFILE				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FILEL		DRAWN -	REVISED -		SCALE: 1" = 20' SHEET 2 OF 8 SHEETS STA. 342+00 TO STA. 348+00				9128	28-R-1	MADISON	64	28
		CHECKED -	REVISED -						CONTRACT NO. 76F11				
MODELNAME		DATE -	REVISED -						ILLINOIS FED. AID PROJECT				

18-2010MA-4430.0
13-1-21-31-00-000-009.001

PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND - SIZE 36"

ID	STATION	OFFSET	FLOWLINE
①	349+34.12	54.40 LT	418.35
②	349+69.12	54.40 LT	418.46
③	352+46.02	53.20 LT	419.31
④	352+83.02	53.20 LT	419.43



SHEETS MATCHLINE 348+00

SHEETS MATCHLINE 354+00

— — — — — EXISTING ROW
 - - - - - PROPOSED ROW
 // // // // // TEMPORARY EASEMENT

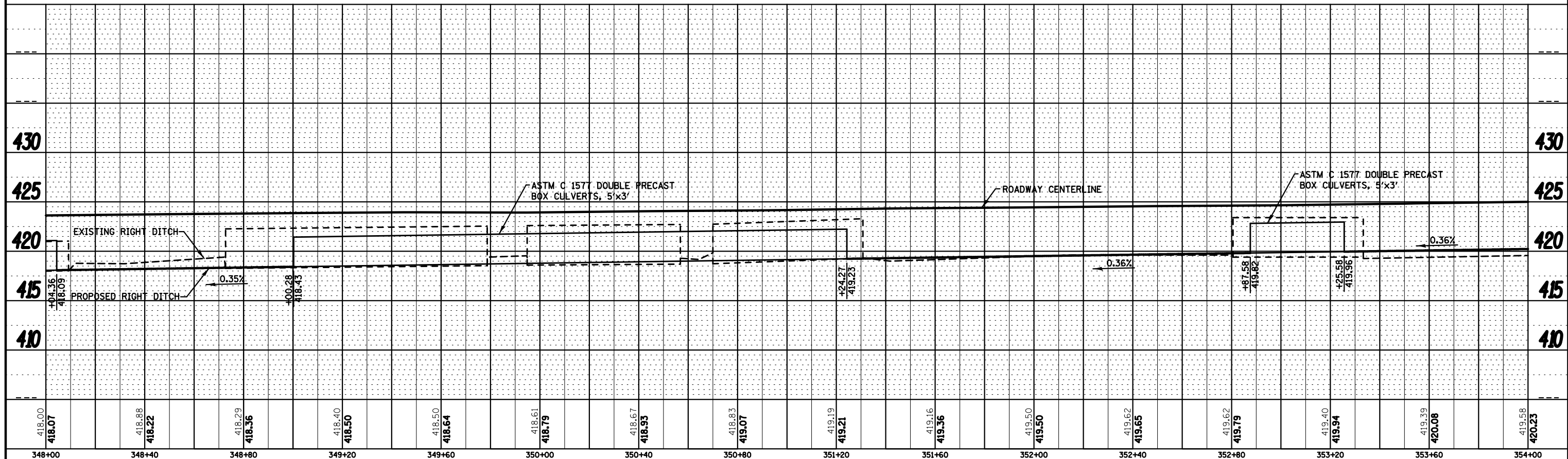
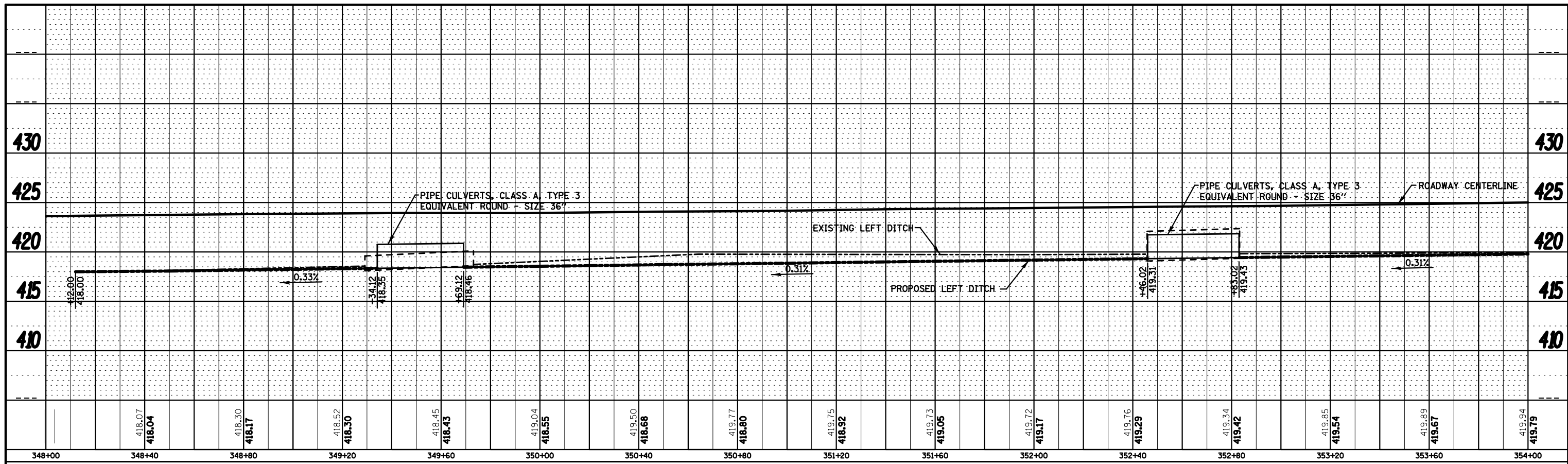
ASTM C 1577 DOUBLE PRECAST BOX CULVERTS, 5'x3'

ID	STATION	OFFSET	SKEW	DESIGN FILL	FLOWLINE	PGE
②	348+04.36	59.14 RT	0°	1.5'	418.09	X
③	349+00.28	58.92 RT	0°	1.0'	418.43	333.7
④	351+24.27	57.92 RT	0°	0.5'	419.23	X
⑤	352+87.58	57.30 RT	2° 34'	1.1'	419.82	85.7
⑥	353+25.58	57.28 RT	2° 34'	1.1'	419.96	100.3

THE PGE SHOWN IN THE CHART IS AN APPROXIMATION OF THE QUANTITY THAT WILL BE REQUIRED FOR THE PAY ITEMS END SECTIONS, BOX CULVERTS AND BOX CULVERTS, SPECIAL. THIS IS NOT TO BE PAID FOR SEPERATELY BUT IS INCLUDED IN THE COST OF THE ASSOCIATED PAY ITEMS.

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

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	NO.		
	STRUCTURE		
	NOTATION		
	CPWD		

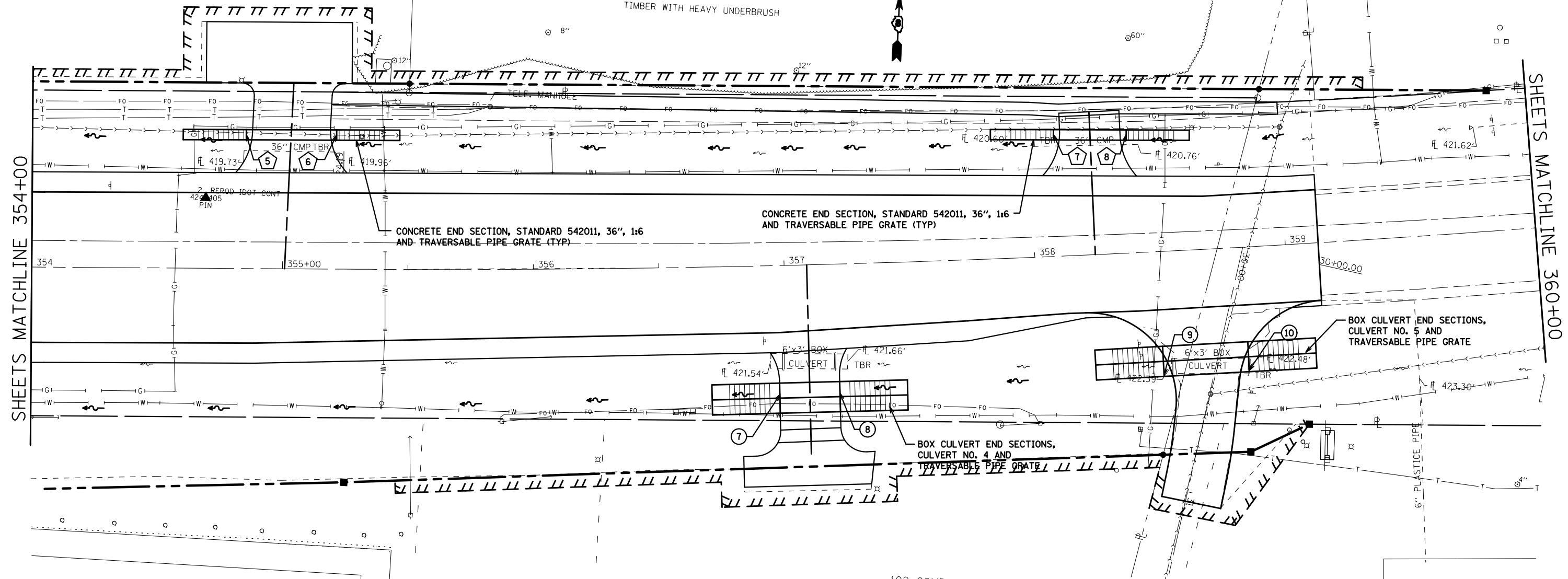


FILE NAME =	USER NAME = *USER*	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE PLAN AND PROFILE		F.A.U. R.T.E. 9128	SECTION 28-R-1	COUNTY MADISON	TOTAL SHEETS 64	SHEET NO. 30	
FILEL		DRAWN -	REVISED -		SCALE: 1" = 20' SHEET 4 OF 8 SHEETS STA. 348+00 TO STA. 354+00		CONTRACT NO. 76F11		ILLINOIS FED. AID PROJECT			
		CHECKED -	REVISED -									
MODELNAME		DATE -	REVISED -									

PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND - SIZE 36"

ID	STATION	OFFSET	FLOWLINE
5	354+85.23	53.35 LT	420.05
6	355+21.23	53.46 LT	420.15
7	358+09.54	48.48 LT	421.03
8	358+38.75	47.06 LT	421.13

9525 COLLINSVILLE RD
 GRAMEX RETAIL STORES INC
 (BK 4356, PG 2907)
 I8-2010MA-4432.0
 13-1-21-31-00-000-008
 TIMBER WITH HEAVY UNDERBRUSH



CONCRETE END SECTION, STANDARD 542011, 36", 1:6 AND TRAVERSABLE PIPE GRATE (TYP)

CONCRETE END SECTION, STANDARD 542011, 36", 1:6 AND TRAVERSABLE PIPE GRATE (TYP)

BOX CULVERT END SECTIONS, CULVERT NO. 5 AND TRAVERSABLE PIPE GRATE

BOX CULVERT END SECTIONS, CULVERT NO. 4 AND TRAVERSABLE PIPE GRATE

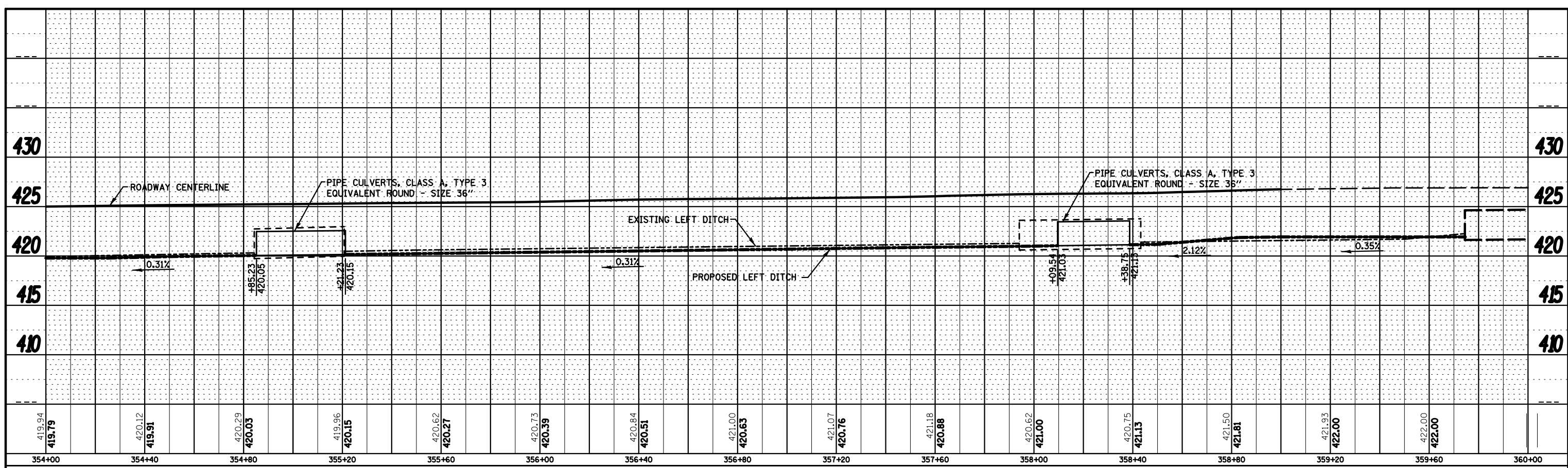
ASTM C 1577 DOUBLE PRECAST BOX CULVERTS, 5'x3'

ID	STATION	OFFSET	SKIEW	DESIGN FILL	FLOWLINE	PGE CY
7	356+97.11	53.05 RT	0°	0.6'	421.30	67.0
8	357+20.89	52.72 RT	0°	0.6'	421.39	X
9	358+49.18	43.57 RT	15° 50'	0.7'	421.83	80.3
10	358+82.60	43.06 RT	15° 50'	0.7'	421.95	X

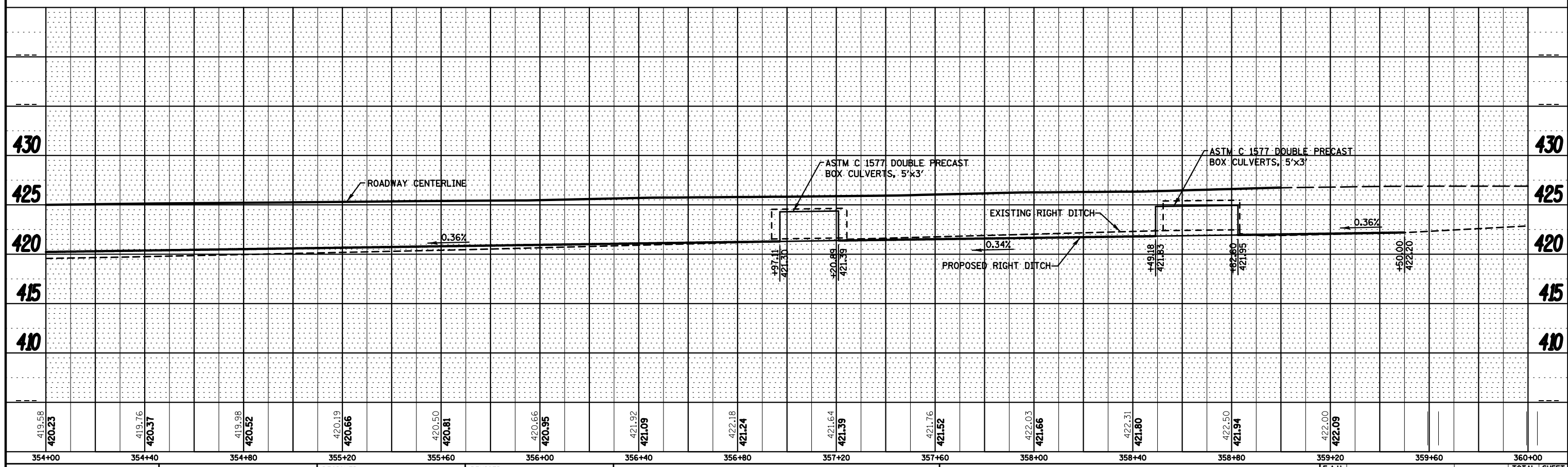
THE PGE SHOWN IN THE CHART IS AN APPROXIMATION OF THE QUANTITY THAT WILL BE REQUIRED FOR THE PAY ITEMS END SECTIONS, BOX CULVERTS AND BOX CULVERTS, SPECIAL. THIS IS NOT TO BE PAID FOR SEPERATELY BUT IS INCLUDED IN THE COST OF THE ASSOCIATED PAY ITEMS.

————— EXISTING ROW
 - - - - - PROPOSED ROW
 // // // // // TEMPORARY EASEMENT

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

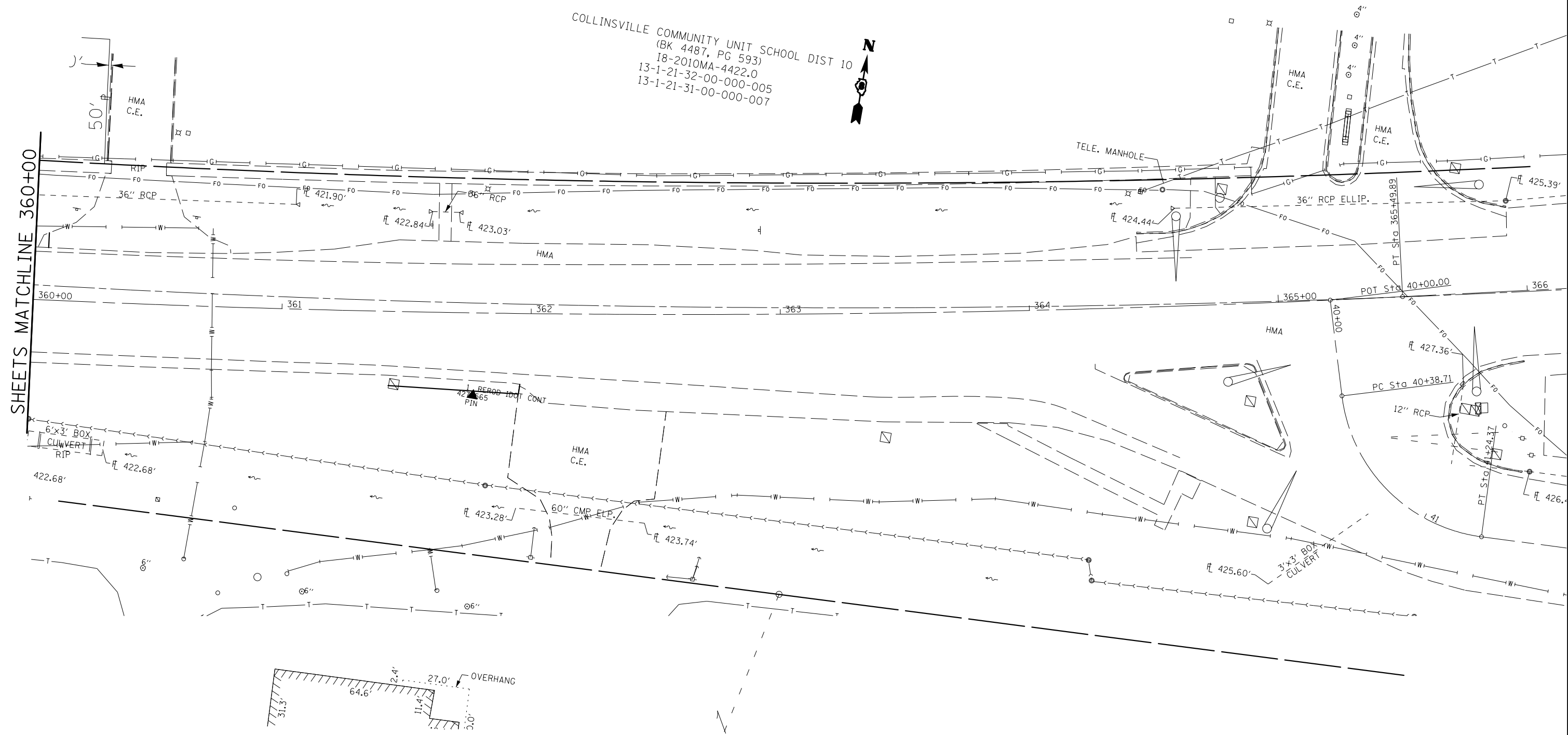


PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NO.		



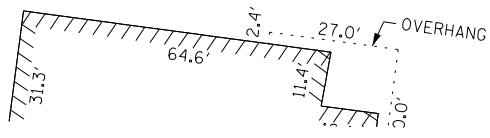
FILE NAME =	USER NAME = *USER*	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE PLAN AND PROFILE		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FILEL		DRAWN -	REVISED -				9128	28-R-1	MADISON	64	32
		CHECKED -	REVISED -				CONTRACT NO. 76F11				
MODELNAME		DATE -	REVISED -				ILLINOIS FED. AID PROJECT				
		PLOT SCALE = *SCALE*		SCALE: 1" = 20'		SHEET 6 OF 8 SHEETS		STA. 354+00 TO STA. 360+00			
		PLOT DATE = *DATE*									

COLLINSVILLE COMMUNITY UNIT SCHOOL DIST 10
 (BK 4487, PG 593)
 18-2010MA-4422.0
 13-1-21-32-00-000-005
 13-1-21-31-00-000-007



SHEETS MATCHLINE 360+00

_____ EXISTING ROW
 - - - - - PROPOSED ROW
 // // // // // TEMPORARY EASEMENT



FILE NAME =	USER NAME = \$USER*	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE PLAN AND PROFILE			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
\$FILEL\$		DRAWN -	REVISED -		9128	28-R-1	MADISON	64	33			
\$MODELNAME\$	PLOT SCALE = \$SCALE*	CHECKED -	REVISED -		SCALE: 1" = 20' SHEET 7 OF 8 SHEETS STA. 360+00 TO STA. 366+00			CONTRACT NO. 76F11				
	PLOT DATE = \$DATE*	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

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

435

430

425

420

415

360+00 360+40 360+80 361+20 361+60 362+00 362+40 362+80 363+20 363+60 364+00 364+40 364+80 365+20 365+60 366+00

435

430

425

420

415

PROFILE	SURVEYED	DATE
NOTE BOOK	GRADES CHECKED	BY
NO.	STRUCTURE	
	NOTATIS	
	CPKAD	

435

430

425

420

415

435

430

425

420

415

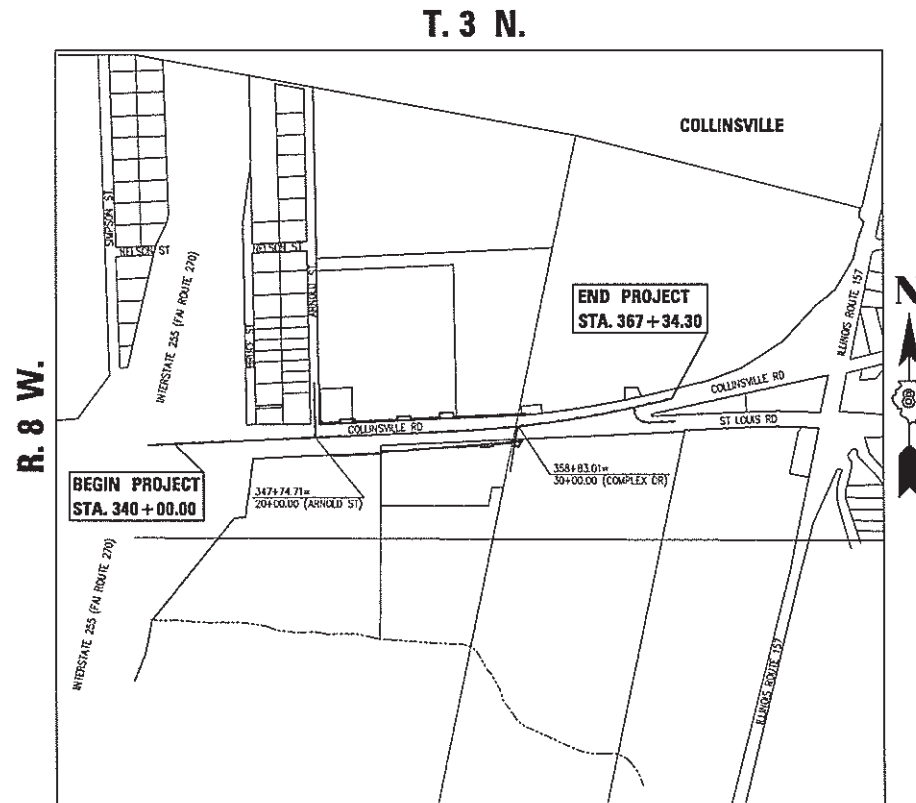
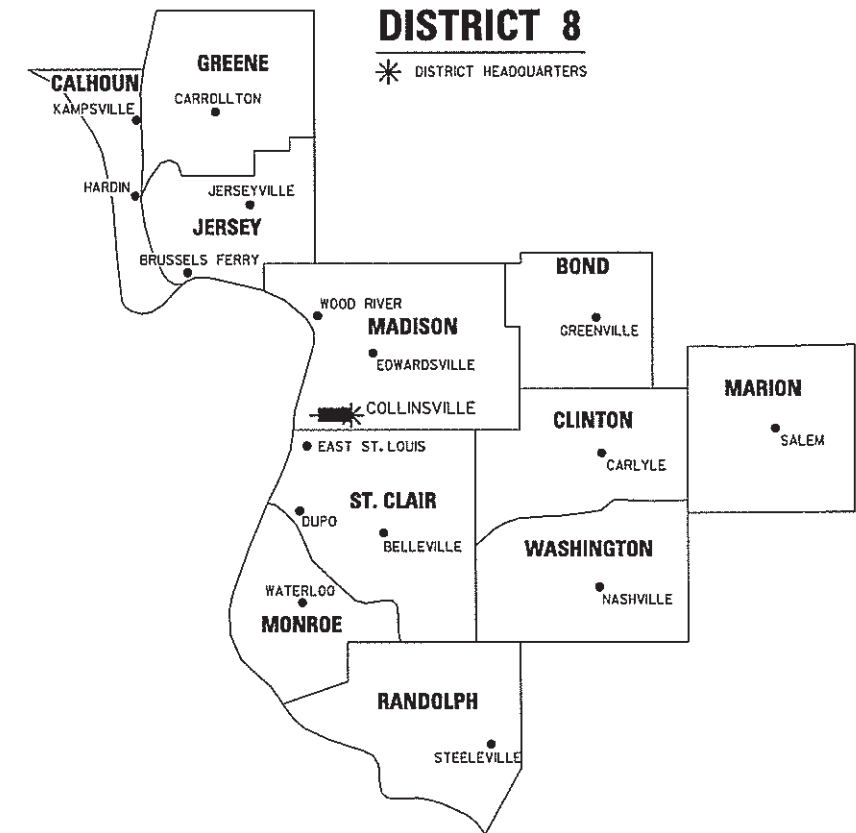
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLAT OF HIGHWAYS

**FAU 9128 (COLLINSVILLE ROAD)
SECTION 28-R-1
MADISON COUNTY
JOB NO. R-98-017-11**

SHEET INDEX			
SHEET NO.	STATION TO STATION	DESCRIPTION	PARCEL(S) PREFIXED BY 81170
1	N/A	COVER SHEET	N/A
2	N/A	LEGEND SHEET	N/A
3	340+00.00 to 351+40.00	PLAT OF HIGHWAYS	11, 12, & 13
4	349+70.00 to 358+95.00	PLAT OF HIGHWAYS	13, 14 & 15
5	358+25.00 to 367+34.30	PLAT OF HIGHWAYS	16, 17, 18 & 19
6	340+00.00 to 367+34.30 NORTH	TOTAL HOLDING SHEET (NORTH)	13, 15, 17, 18 & 19
7	340+00.00 to 367+34.30 SOUTH	TOTAL HOLDING SHEET (SOUTH)	11, 14, & 16
8	N/A	TIE SHEET	N/A

SPACE RESERVED FOR RECORDING OFFICER



PROJECT LENGTH = 2,734.30 LIN. FT. = 0.5179 MILES

PREPARED BY:

JUNEAU
ENGINEERING & LAND SURVEYING

2100 State Street, P.O. Box 1325, Granite City, IL 62040
100 North Research Drive, Edwardsville, IL 62025
230 N. Fourth Street, Suite 200, St. Louis, MO 63102
618-271-1100, F. 618-452-9541, 618-462-9000, F. 618-452-0941, 214-211-4444, F. 214-209-1121
Professional Design Firm License No. 134.002338

STATE OF ILLINOIS)
) SS
COUNTY OF MADISON)

I, ROBERT G. BROWN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, STATE THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THE PROPOSED PARCELS TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

DATED _____

ROBERT G. BROWN, PLS NO. 3298
LICENSE EXPIRATION DATE: 11/30/2014



FILE NAME = D876F11-sh-t-01-cover.dgn
USER NAME = J.R.D.
OLD JUNEAU JOB NO. = 1195008
NEW JUNEAU JOB NO. = 1336805

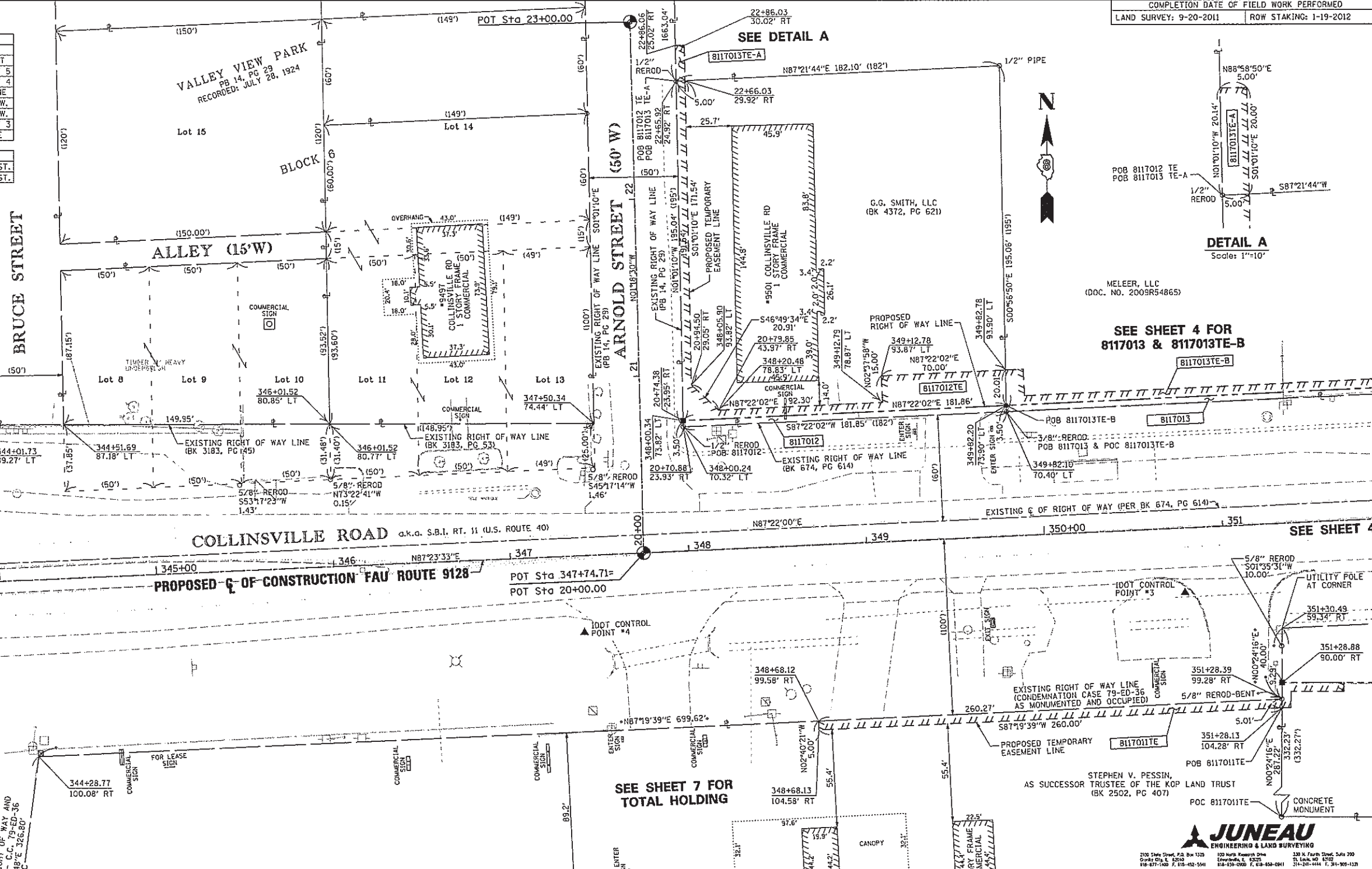
SHEET 1 OF 8

ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8 1102 EASTPORT PLAZA DRIVE COLLINSVILLE, ILLINOIS 62234-6198				
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9128	28-R-1	MADISON	64	39
			CONTRACT NO. 76F11	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

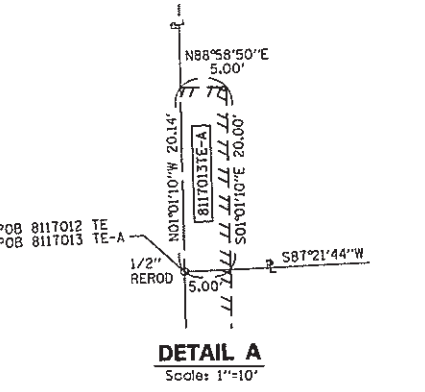
SEE LEGENDS, TOPOGRAPHIC STATEMENT, SURVEYORS NOTE(S) AND BASIS OF COORDINATES & BEARINGS STATEMENT ON SHEET 2

COLLINSVILLE ROAD COORDINATE TABLE				
STATION	OFFSET	NORTH	EAST	DESCRIPTION
340+00.00	0.00'	725,811.4520	335,627.3561	BEGIN PROJECT
340+30.62	54.73' RT	725,758.1686	335,660.4322	CONTROL POINT 5
347+39.52	43.68' RT	725,801.4568	336,368.1004	CONTROL POINT 4
347+74.71	0.00'	725,846.6958	336,401.2643	P.O.T. MAINLINE
348+00.34	73.82' LT	725,921.6057	336,423.5109	PROPOSED R.O.W.
349+82.20	73.90' LT	725,929.9597	336,605.1764	PROPOSED R.O.W.
350+77.19	36.60' RT	725,823.8934	336,705.0918	CONTROL POINT 3
355+24.19	0.00'	725,880.7918	337,149.9681	P.C. MAINLINE

ARNOLD STREET COORDINATE TABLE				
STATION	OFFSET	NORTH	EAST	DESCRIPTION
20+00.00	0.00'	725,846.6958	336,401.2643	P.O.T. ARNOLD ST.
23+00.00	0.00'	726,146.6176	336,394.4152	P.O.T. ARNOLD ST.

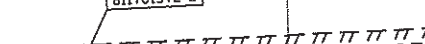


COMPLETION DATE OF FIELD WORK PERFORMED
 LAND SURVEY: 9-20-2011 ROW STAKING: 1-19-2012



MELEER, LLC
 (DOC. NO. 2009R54865)

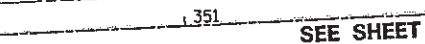
SEE SHEET 4 FOR
 8117013 & 8117013TE-B



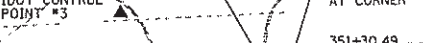
STEPHEN V. PESSIN,
 AS SUCCESSOR TRUSTEE OF THE KOP LAND TRUST
 (BK 2502, PG 407)



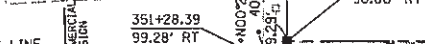
UTILITY POLE AT CORNER



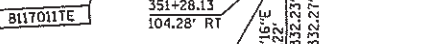
CONCRETE MONUMENT



POB 8117011TE



POB 8117011TE



POB 8117011TE



CONCRETE MONUMENT

JUNEAU ENGINEERING & LAND SURVEYING

ILLINOIS DEPARTMENT OF TRANSPORTATION
 PLAT OF HIGHWAYS

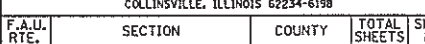
FAU 912B (COLLINSVILLE ROAD)

SECTION 28-R-1

MADISON COUNTY

JOB NO. R-98-017-11

STATION 340+00 TO STATION 351+40



SHEET 3 OF 8

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8
 1102 EASTPORT PLAZA DRIVE
 COLLINSVILLE, ILLINOIS 62234-6198

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
912B	28-R-1	MADISON	64/40

CONTRACT NO. 76F11

SPACE RESERVED FOR RECORDING OFFICER

* SEE TOTAL HOLDING AREA
 SOURCE TABLE ON SHEET 2

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	FEE SIMPLE ACQUISITION		REMAINDER ACRES	EASEMENTS		PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
			ACRES	SQ. FT.		ACRES	SQ. FT.		
8117011	Stephen J. Pessin, as Successor Trustee of the K O P Land Trust Bk 2502, Pg 407	20.0597	N/A	N/A	20.0597	TE=0.0299	TE=1.301	13-1-21-31-00-000-011	TE for grading, entrance & sidewalk construction
8117012	G G Smith LLC Bk 4372, Pg 621	0.8145	0.0146	636	0.7999	TE=0.0689	TE=3.001	13-1-21-31-00-000-009.001	TE for grading, entrance & sidewalk construction
8117013	Meleer, LLC, an Illinois Limited Liability Company Doc No 2009R54865	13.7220	0.0456	1,988	13.6764	TE-A=0.0023 TE-B=0.1376	TE-A=100 TE-B=5,993	13-1-21-31-00-000-009	TE-A for grading TE-B for grading, entrance & sidewalk construction

SEE SHEET 7 FOR
 TOTAL HOLDING

SEE SHEET 4

SEE SHEET 4

FAU 912B (COLLINSVILLE ROAD) CONSTRUCTION SECTION 28-R-1 MADISON COUNTY JOB NO. R-98-017-11 PART OF THE SE 1/4 OF SECTION 31, T. 3 N., R. 8 W., OF THE 3RD P.M.

FILE NAME = 087671-ent-02-parcel.dgn
 PLOT SCALE = 1"=30'
 USER NAME = J.R.D.
 OLD JUNEAU JOB NO. = 119580
 NEW JUNEAU JOB NO. = 133605



PLOT DATE: 11-05-2013

SEE SHEET 6 FOR TOTAL HOLDING

PROP CURVE CURCOLL
 PI STA = 360+38.41
 $\Delta = 10^\circ 15' 25''$ (LT)
 $D = 1^\circ 00' 00''$
 $R = 5,729.58'$
 $T = 514.22'$
 $L = 1,025.70'$
 $E = 23.03'$
 PC STA = 355+24.19
 PT STA = 365+49.89



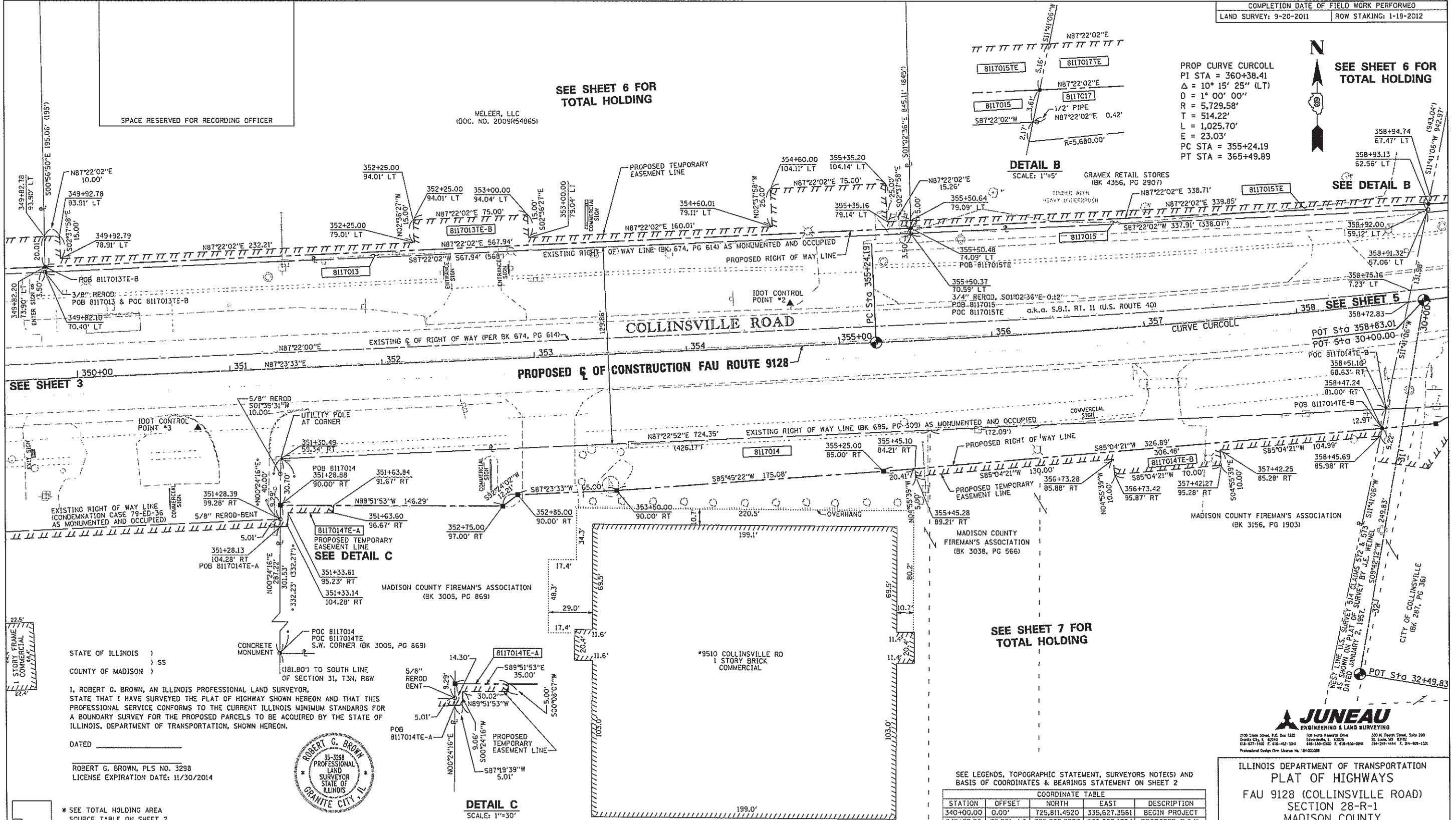
SEE SHEET 6 FOR TOTAL HOLDING

MELEER, LLC
 (DOC. NO. 2009R54865)

SPACE RESERVED FOR RECORDING OFFICER

DETAIL B
 SCALE: 1"=5'

SEE DETAIL B



SEE SHEET 3

SEE SHEET 5

SEE SHEET 7 FOR TOTAL HOLDING

STATE OF ILLINOIS)
 COUNTY OF MADISON) SS

I, ROBERT G. BROWN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, STATE THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THE PROPOSED PARCELS TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

DATED _____

ROBERT G. BROWN, PLS NO. 3298
 LICENSE EXPIRATION DATE: 11/30/2014



DETAIL C
 SCALE: 1"=30'

SEE LEGENDS, TOPOGRAPHIC STATEMENT, SURVEYORS NOTE(S) AND BASIS OF COORDINATES & BEARINGS STATEMENT ON SHEET 2

COORDINATE TABLE				
STATION	OFFSET	NORTH	EAST	DESCRIPTION
340+00.00	0.00'	725,811.4520	335,627.3561	BEGIN PROJECT
349+82.20	73.90' LT	725,929.9597	336,605.1764	PROPOSED R.O.W.
350+77.19	36.60' RT	725,823.8934	336,705.0918	CONTROL POINT 3
351+28.88	90.00' RT	725,772.9012	336,759.1614	PROPOSED R.O.W.
352+75.00	97.00' RT	725,772.5559	336,905.4489	PROPOSED R.O.W.
352+85.00	90.00' RT	725,780.0035	336,915.1201	PROPOSED R.O.W.
353+50.00	90.00' RT	725,782.9606	336,980.0528	PROPOSED R.O.W.
354+69.28	28.13' LT	725,906.3983	337,093.8349	CONTROL POINT 2
355+24.19	0.00'	725,880.7918	337,149.9681	P.C. MAINLINE
355+25.00	85.00' RT	725,795.9173	337,154.6561	PROPOSED R.O.W.
355+50.48	74.09' LT	725,956.0490	337,172.5159	PROPOSED R.O.W.
358+47.24	81.00' RT	725,823.9962	337,480.3393	PROPOSED R.O.W.
358+83.01	0.00'	725,908.3258	337,507.6758	P.O.T. MAINLINE
358+93.13	62.56' LT	725,971.6082	337,510.8678	PROPOSED R.O.W.
360+38.41	0.00'	725,904.1853	337,663.6585	P.I. MAINLINE
365+49.89	0.00'	726,018.6743	338,164.9742	P.T. MAINLINE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 PLAT OF HIGHWAYS
 FAU 9128 (COLLINSVILLE ROAD)
 SECTION 28-R-1
 MADISON COUNTY
 JOB NO. R-98-017-11
 STATION 349+70 TO STATION 358+95



ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS/REGION 5/DISTRICT B
 1102 EASTPORT PLAZA DRIVE
 COLLINSVILLE, ILLINOIS 62234-6198

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
9128	28-R-1	MADISON	6440A

CONTRACT NO. 76F11

PARCEL NO.	OWNER	FEE SIMPLE ACQUISITION		REMAINDER	EASEMENTS		PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
		TOTAL HOLDING ACRES	GROSS ACRES		FE = PERMANENT ACRES	TE = TEMPORARY ACRES		
8117013	Meleer, LLC, an Illinois Limited Liability Company 18-2010MA-4431.0 Doc No 2009R54865	13.7220	0.0456	1,988	13.6764	TE-A=0.0023 TE-B=0.1376	13-1-21-31-00-000-009	
8117014	Madison County Firemen's Association 18-2010MA-4428.0 Bk 3005, Pg 869 Bk 3038, Pg 566 Bk 3156, Pg 1903	5.3581	0.4252	18,522	4.9329	TE-A=0.0051 TE-B=0.0512	13-1-21-31-00-000-011.001 13-1-21-31-00-000-012	
8117015	Gramex Retail Stores, Inc., a Delaware Corporation 18-2010MA-4432.0 Bk 4356, Pg 2907	10.4507	0.0272	1,184	10.4235	TE=0.0389 TE=1.696	13-1-21-31-00-000-008	

PROP CURVE CURCOLL
 PI STA = 360+38.41
 $\Delta = 10^\circ 15' 25''$ (LT)
 $D = 1^\circ 00' 00''$
 $R = 5,729.58'$
 $T = 514.22'$
 $L = 1,025.70'$
 $E = 23.03'$
 PC STA = 355+24.19
 PT STA = 365+49.89



SPACE RESERVED FOR RECORDING OFFICER

SEE SHEET 6 FOR
 TOTAL HOLDING

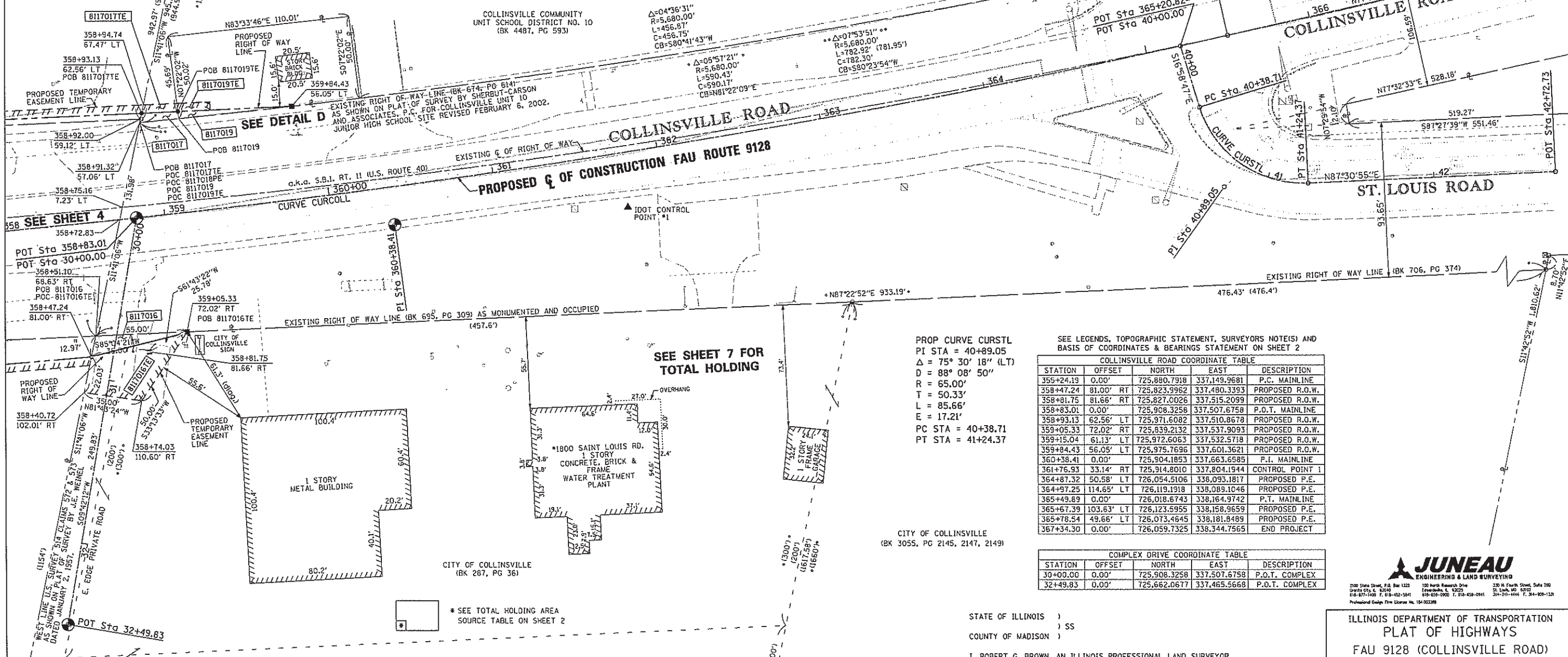
DETAIL D
 NOT TO SCALE

COLLINSVILLE COMMUNITY
 UNIT SCHOOL DISTRICT NO. 10
 (BK 4487, PG 593)

PROPOSED $\frac{1}{2}$ OF CONSTRUCTION FAU ROUTE 9128
 COLLINSVILLE ROAD

ST. LOUIS ROAD

REROD IDOT
 CONTROL POINT #6



PROP CURVE CURSTL
 PI STA = 40+89.05
 $\Delta = 75^\circ 30' 18''$ (LT)
 $D = 88^\circ 08' 50''$
 $R = 65.00'$
 $T = 50.33'$
 $L = 85.66'$
 $E = 17.21'$
 PC STA = 40+38.71
 PT STA = 41+24.37

SEE LEGENDS, TOPOGRAPHIC STATEMENT, SURVEYORS NOTE(S) AND
 BASIS OF COORDINATES & BEARINGS STATEMENT ON SHEET 2

COLLINSVILLE ROAD COORDINATE TABLE				
STATION	OFFSET	NORTH	EAST	DESCRIPTION
355+24.19	0.00'	725,880.7918	337,149.9681	P.C. MAINLINE
358+47.24	81.00' RT	725,823.9962	337,480.3393	PROPOSED R.O.W.
358+81.75	81.66' RT	725,827.0026	337,515.2099	PROPOSED R.O.W.
358+83.01	0.00'	725,908.3258	337,507.6758	P.O.T. MAINLINE
358+93.13	62.56' LT	725,971.6082	337,510.8678	PROPOSED R.O.W.
359+05.33	72.02' RT	725,839.2132	337,537.9093	PROPOSED R.O.W.
359+15.04	61.13' LT	725,972.6063	337,532.5718	PROPOSED R.O.W.
359+84.43	56.05' LT	725,975.7696	337,601.3621	PROPOSED R.O.W.
360+38.41	0.00'	725,904.1853	337,663.6585	P.I. MAINLINE
361+76.93	33.14' RT	725,914.8010	337,804.1944	CONTROL POINT 1
364+87.32	50.58' LT	726,054.5106	338,093.1817	PROPOSED P.E.
364+97.25	114.65' LT	726,119.1918	338,089.1046	PROPOSED P.E.
365+49.89	0.00'	726,018.6743	338,164.9742	P.T. MAINLINE
365+67.39	103.63' LT	726,123.6955	338,168.9659	PROPOSED P.E.
365+78.54	49.66' LT	726,073.4645	338,181.8489	PROPOSED P.E.
367+34.30	0.00'	726,059.7325	338,344.7565	END PROJECT

COMPLEX DRIVE COORDINATE TABLE				
STATION	OFFSET	NORTH	EAST	DESCRIPTION
30+00.00	0.00'	725,908.3258	337,507.6758	P.O.T. COMPLEX
32+49.83	0.00'	725,662.0677	337,465.5668	P.O.T. COMPLEX

CITY OF COLLINSVILLE
 (BK 3055, PG 2145, 2147, 2149)

* SEE TOTAL HOLDING AREA
 SOURCE TABLE ON SHEET 2

STATE OF ILLINOIS)
) SS
 COUNTY OF MADISON)

I, ROBERT G. BROWN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR,
 STATE THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS
 PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A
 BOUNDARY SURVEY FOR THE PROPOSED PARCELS TO BE ACQUIRED BY THE STATE OF
 ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

DATED _____
 ROBERT G. BROWN, PLS NO. 3298
 LICENSE EXPIRATION DATE: 11/30/2014



JUNEAU
 ENGINEERING & LAND SURVEYING
 250 State Street, P.O. Box 1325 | 100 North Research Drive | 330 N. Fourth Street, Suite 700
 Collinsville, IL 62424 | Collinsville, IL 62423 | Collinsville, IL 62422
 618-877-7425 | 618-832-5641 | 618-659-0000 | 618-659-0941 | 314-701-4444 | 314-609-1138
 Professional Geop. Firm License No. 18-02228

ILLINOIS DEPARTMENT OF TRANSPORTATION
 PLAT OF HIGHWAYS
 FAU 9128 (COLLINSVILLE ROAD)
 SECTION 28-R-1
 MADISON COUNTY
 JOB NO. R-98-017-11
 STATION 358+25.00 TO STATION 367+34.30

30' 0' 30' 60'
 SCALE: 1" = 30' SHEET 5 OF 8

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8
 1102 EASTPORT PLAZA DRIVE
 COLLINSVILLE, ILLINOIS 62234-6196

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9128	28-R-1	MADISON	64	41

CONTRACT NO. 76F11
 FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	FEE SIMPLE ACQUISITION		REMAINDER ACRES	EASEMENTS		PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
			GROSS ACRES	SQ. FT.		PE = PERMANENT ACRES	TE = TEMPORARY SQ. FT.		
8117016	City of Collinsville, a municipal corporation 18-2010MA-4426.0	43.2473	0.0120	524	43.2353	TE=0.0276	TE=1,202	13-1-21-31-00-000-013	
8117017	Collinsville Community Unit School District 10 18-2010MA-4422.0	67.0458	0.0026	112	67.0432	TE=0.0024	TE=104	13-1-21-31-00-000-007	
8117018	Collinsville Community Unit School District 10 18-2010MA-4422.0	67.0432	N/A	N/A	67.0432	PE=0.1083	PE=4,719	13-1-21-31-00-000-007 13-1-21-32-00-000-005	
8117019	City of Collinsville, a municipal corporation MA-4651.0	0.1263	0.0035	153	0.1228	TE=0.0023	TE=99		

FAU 9128 (COLLINSVILLE ROAD) CONSTRUCTION SECTION 28-R-1 MADISON COUNTY JOB NO. R-98-017-11 PART OF THE U.S. SURVEY 514, CLAIMS 572 AND 573, T. 3 N., R. 8 W., OF THE 3RD P.M.

FILE NAME = 0876511-hr-05-para01.dgn
 PLOT SCALE = 1"=30'
 USER NAME = J.R.D.
 OLD JUNEAU JOB NO. = 119580
 NEW JUNEAU JOB NO. = 133685

PLOT DATE: 11-05-2013

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	FEE SIMPLE ACQUISITION			EASEMENTS		PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
			GROSS ACRES	SO. FT.	REMAINDER ACRES	PE = PERMANENT ACRES	TE = TEMPORARY SO. FT.		
8117013	Melear, LLC, an Illinois Limited Liability Company 18-2010MA-4431.0 Doc No 2009R54865	13.7220	0.0456	1,988	13.6764	TE-A=0.0023 TE-B=0.1376	TE-A=100 TE-B=5,993	TE-A for grading TE-B for grading, entrance & sidewalk construction	13-1-21-31-00-000-009
8117015	Gramex Retail Stores Inc, a Delaware corporation 18-2010MA-4432.0 Bk 4356, Pg 2907	10.4507	0.0272	1,184	10.4235	TE=0.0389	TE=1,696	TE for grading, entrance & sidewalk construction	13-1-21-31-00-000-008
8117017	Collinsville Community Unit School District 10 18-2010MA-4422.0 Bk 4487, Pg 593	67.0458	0.0026	112	67.0432	TE=0.0024	TE=104	TE for grading, & sidewalk construction	13-1-21-31-00-000-007
8117018	Collinsville Community Unit School District 10 18-2010MA-4422.0 Bk 4487, Pg 593	67.0432	N/A	N/A	67.0432	PE=0.1083	PE=4,719	PE for traffic signal maintenance	13-1-21-31-00-000-007 13-1-21-32-00-000-005
8117019	Collinsville Community Unit School District 10 MA-4651.0 Doc. No. 2012R55415	0.1263	0.0035	153	0.1228	TE=0.0023	TE=99	TE for grading, & sidewalk construction	

STATE OF ILLINOIS)
COUNTY OF MADISON) SS

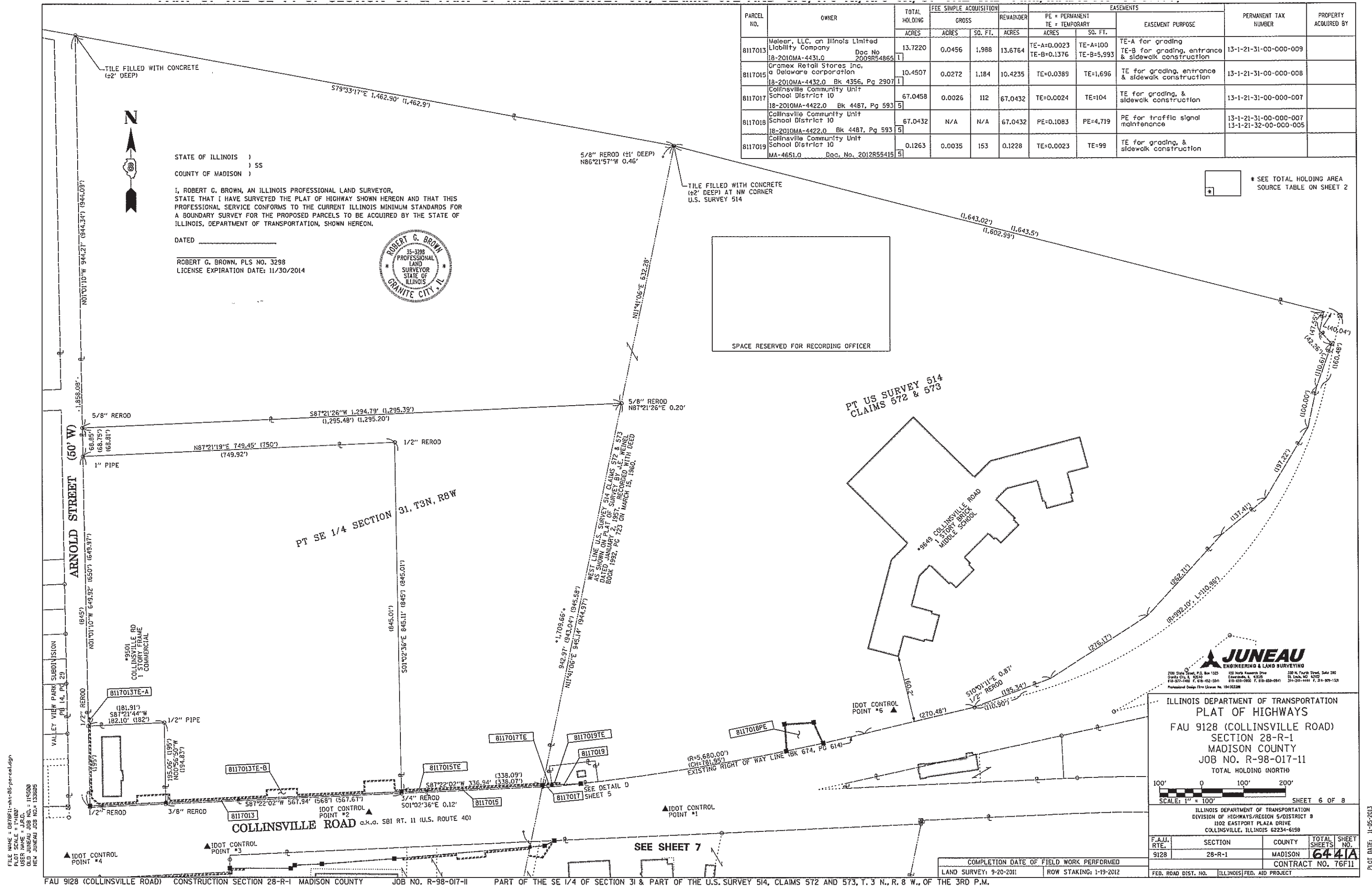
I, ROBERT G. BROWN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, STATE THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THE PROPOSED PARCELS TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

DATED _____
ROBERT G. BROWN, PLS NO. 3298
LICENSE EXPIRATION DATE: 11/30/2014



* SEE TOTAL HOLDING AREA SOURCE TABLE ON SHEET 2

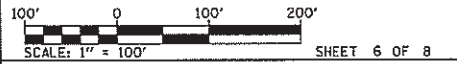
SPACE RESERVED FOR RECORDING OFFICER



FILE NAME = 0878F11-11-19-2011-08-20-11-19-2011.dgn
PLOT SCALE = 1"=100'
USER NAME = J.R.D.
OLD JUNEAU JOB NO. = 115008
NEW JUNEAU JOB NO. = 115005

JUNEAU
ENGINEERING & LAND SURVEYING
700 Olive Street, P.O. Box 1125 Collinsville, IL 62234
700 Olive Street, P.O. Box 1125 Collinsville, IL 62234
700 Olive Street, P.O. Box 1125 Collinsville, IL 62234
Professional Design Firm License No. 184201208

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
FAU 9128 (COLLINSVILLE ROAD)
SECTION 28-R-1
MADISON COUNTY
JOB NO. R-98-017-11
TOTAL HOLDING (NORTH)



SCALE: 1" = 100' SHEET 6 OF 8

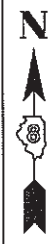
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9128	28-R-1	MADISON	64	11A

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8
1102 EASTPORT PLAZA DRIVE
COLLINSVILLE, ILLINOIS 62234-6198

COMPLETION DATE OF FIELD WORK PERFORMED	LAND SURVEY: 9-20-2011	ROW STAKING: 1-19-2012
---	------------------------	------------------------

FAU 9128 (COLLINSVILLE ROAD) CONSTRUCTION SECTION 28-R-1 MADISON COUNTY JOB NO. R-98-017-11 PART OF THE SE 1/4 OF SECTION 31 & PART OF THE U.S. SURVEY 514, CLAIMS 572 AND 573, T. 3 N., R. 8 W., OF THE 3RD P.M.

PLOT DATE: 11-05-2013



SPACE RESERVED FOR RECORDING OFFICER

STATE OF ILLINOIS)
) SS
 COUNTY OF MADISON)

I, ROBERT G. BROWN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, STATE THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THE PROPOSED PARCELS TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON. DATED _____

ROBERT G. BROWN, PLS NO. 3298
 LICENSE EXPIRATION DATE: 11/30/2014



2100 State Street, P.O. Box 1325
 Granite City, IL 62540
 618-877-1000 F, 618-877-1041

100 North Research Drive
 Edwardsville, IL 62025
 618-598-2002 F, 618-598-0811

330 N. Fourth Street, Suite 200
 St. Louis, MO 63102
 314-581-4444 F, 314-581-1320

Professional Design Firm License No. 154-003328

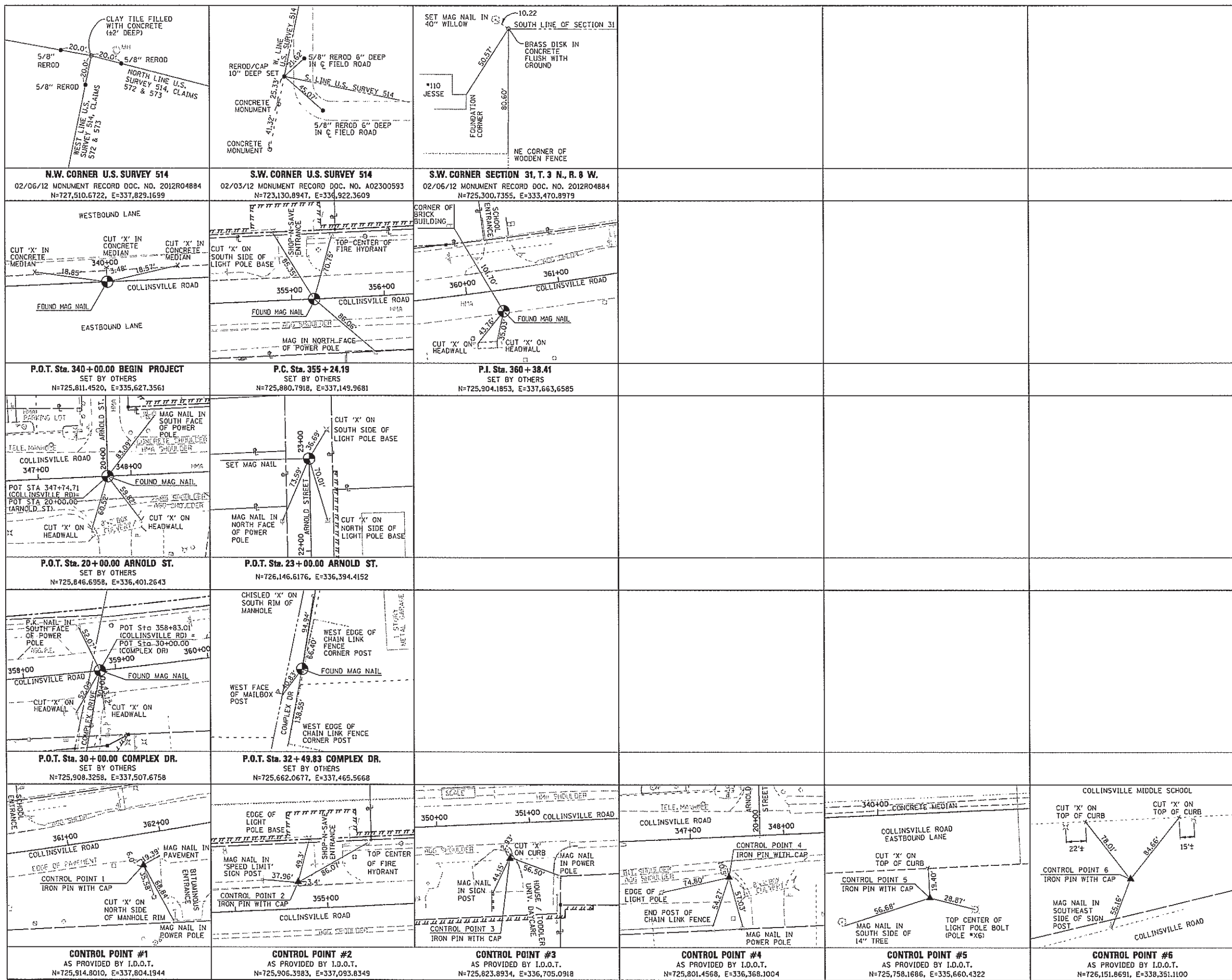
COMPLETION DATE OF FIELD WORK PERFORMED
 LAND SURVEY: 9-20-2011 ROW STAKING: 1-19-2012

ILLINOIS DEPARTMENT OF TRANSPORTATION
 PLAT OF HIGHWAYS
 FAU 9128 (COLLINSVILLE ROAD)
 SECTION 28-R-1
 MADISON COUNTY
 JOB NO. R-98-017-11
 SECTION CORNER AND CENTERLINE TIE SHEET

NOT TO SCALE SHEET 8 OF 8

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8
 1102 EASTPORT PLAZA DRIVE
 COLLINSVILLE, ILLINOIS 62234-6198

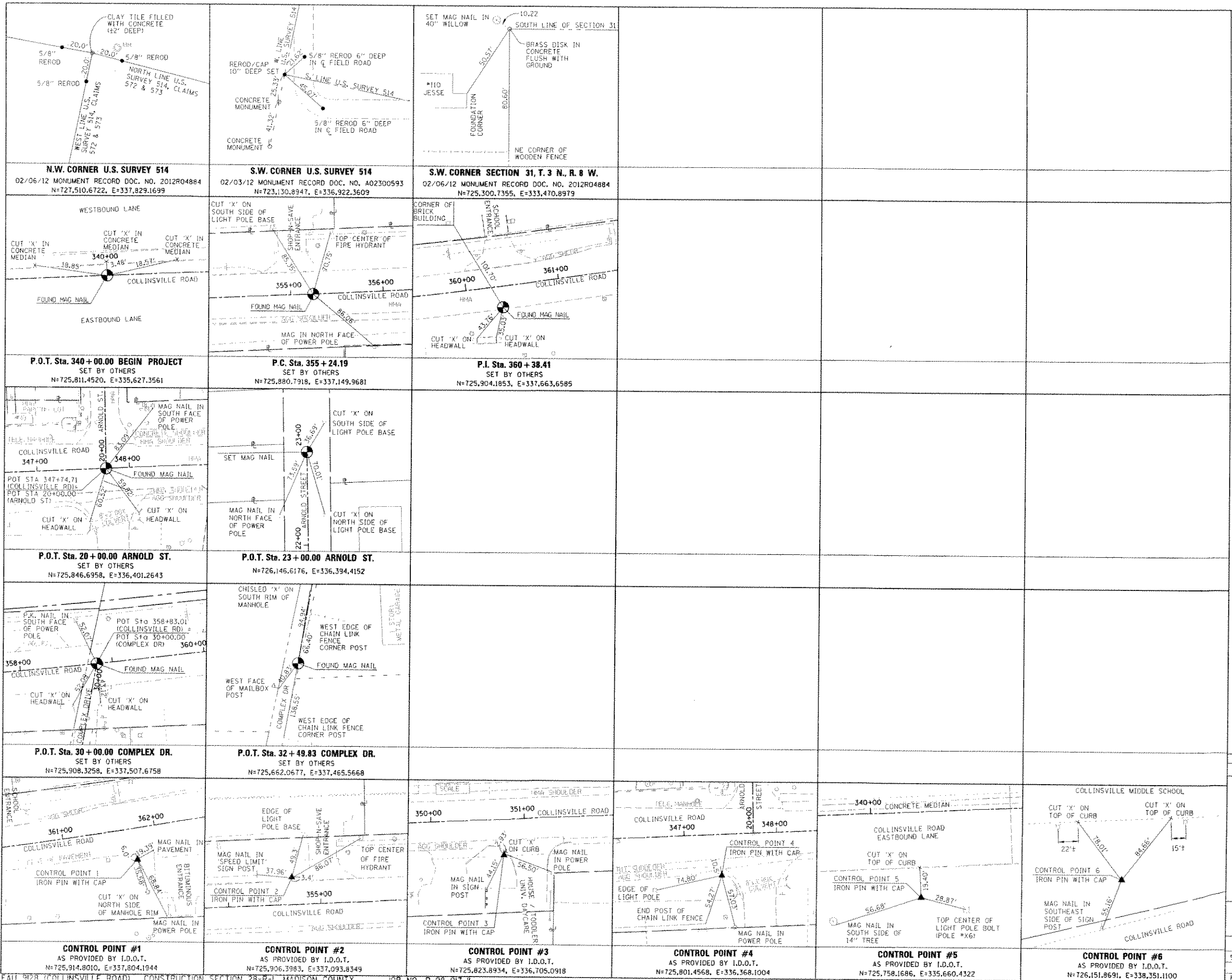
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9128	28-R-1	MADISON	64	42A
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76F11	



FILE NAME = 087671-shc-08-usa.dgn
 PLOT SCALE = NOT TO SCALE
 PLOT DATE = 11-05-2013
 OLD JUNEAU JOB NO. = 149808
 NEW JUNEAU JOB NO. = 123625

FAU 9128 (COLLINSVILLE ROAD) CONSTRUCTION SECTION 28-R-1 MADISON COUNTY JOB NO. R-98-017-11

PLOT DATE: 11-05-2013



N

SPACE RESERVED FOR RECORDING OFFICER

STATE OF ILLINOIS)
) SS
 COUNTY OF MADISON)

I, ROBERT G. BROWN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, STATE THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THE PROPOSED PARCELS TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON, DATED 3/26/2012

Robert G. Brown
 ROBERT G. BROWN, PLS NO. 3298
 LICENSE EXPIRATION DATE: 11/30/2012



2200 West Street, P.O. Box 1325 100 North Research Drive 130 N. Fourth Street, Suite 200
 Granite City, IL 62040 Collinsville, IL 62235 St. Louis, MO 63102
 618-877-1400 F. 618-431-2541 618-439-7000 F. 618-439-0844 314-241-4444 F. 314-608-1331
 Professional Design Firm License No. 154-005288

COMPLETION DATE OF FIELD WORK PERFORMED
 LAND SURVEY: 9-20-2011 ROW STAKING: 1-19-2012

ILLINOIS DEPARTMENT OF TRANSPORTATION
 PLAT OF HIGHWAYS
 FAU 9128 (COLLINSVILLE ROAD)
 SECTION 28-R-1
 MADISON COUNTY
 JOB NO. R-98-017-11
 SECTION CORNER AND CENTERLINE TIE SHEET

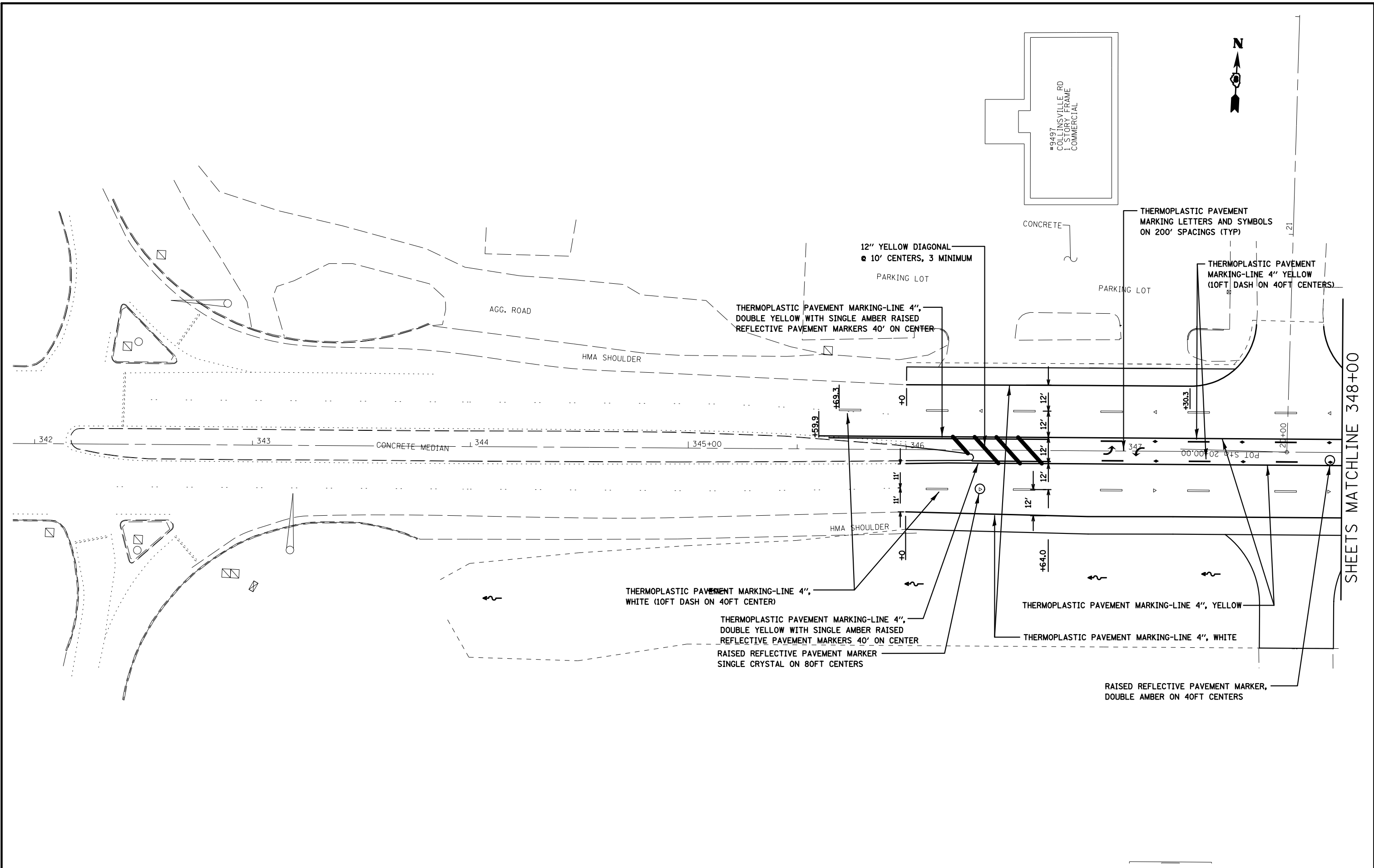
NOT TO SCALE SHEET 8 OF 8

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8
 1102 EASTPORT PLAZA DRIVE
 COLLINSVILLE, ILLINOIS 62234-6198

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9128	28-R-1	MADISON	64	42A
CONTRACT NO. 76F11				

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

PLOT DATE = 03-26-2012
 FILE NAME = 0978511-akl-001-11a.dgn
 PLOT SCALE = 1"=40' TO SCALE
 SURVEY JOB NO. = 1100000



FILE NAME = *FILE*	USER NAME = *USER*	DESIGNED -	REVISD -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING AND SIGNING PLANS			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = *SCALE*	CHECKED -	REVISD -					9128	28-R-1	MADISON	64	43
PLOT DATE = *DATE*	DATE -	REVISD -	REVISD -		SCALE: 1" = 20' SHEET NO. 1 OF 4 SHEETS STA. 344+00 TO STA. 348+00			FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				
							CONTRACT NO. 76F11					

SHEETS MATCHLINE 348+00



#9501 COLLINSVILLE RD
1 STORY FRAME
COMMERCIAL

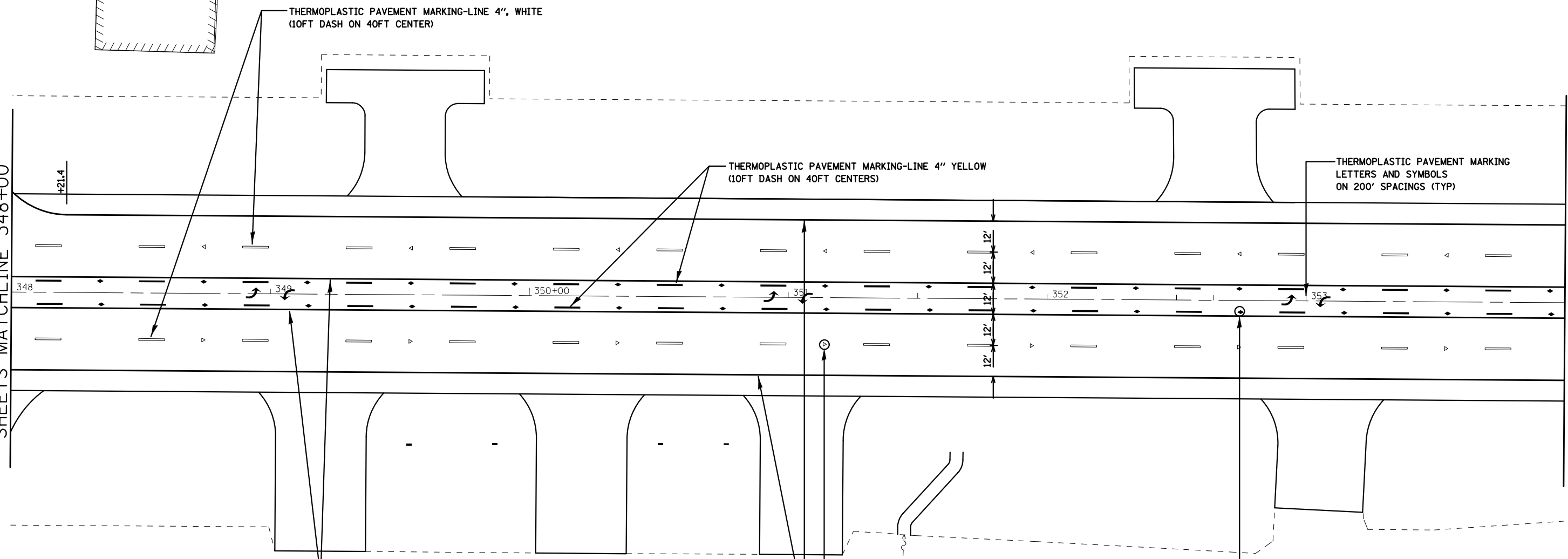
THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE
(10FT DASH ON 40FT CENTER)

THERMOPLASTIC PAVEMENT MARKING-LINE 4" YELLOW
(10FT DASH ON 40FT CENTERS)

THERMOPLASTIC PAVEMENT MARKING
LETTERS AND SYMBOLS
ON 200' SPACINGS (TYP)

SHEETS MATCHLINE 348+00

SHEETS MATCHLINE 354+00

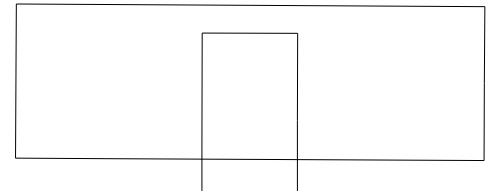


THERMOPLASTIC PAVEMENT MARKING-LINE 4", YELLOW

THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE

RAISED REFLECTIVE PAVEMENT MARKER
SINGLE CRYSTAL ON 80FT CENTERS

RAISED REFLECTIVE PAVEMENT MARKER,
DOUBLE AMBER ON 40FT CENTERS



1 STORY
FRAME
COMMERCIAL

FILE NAME =
#FILE#

USER NAME = #USER#
PLOT SCALE = #SCALE#
PLOT DATE = #DATE#

DESIGNED -
DRAWN -
CHECKED -
DATE -

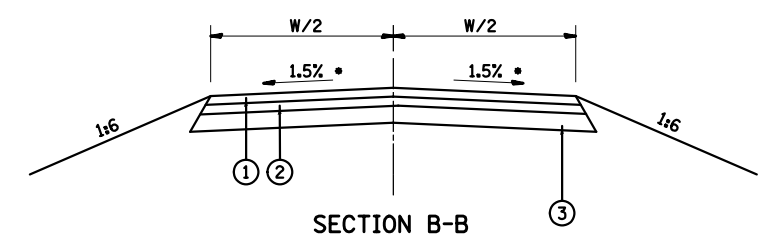
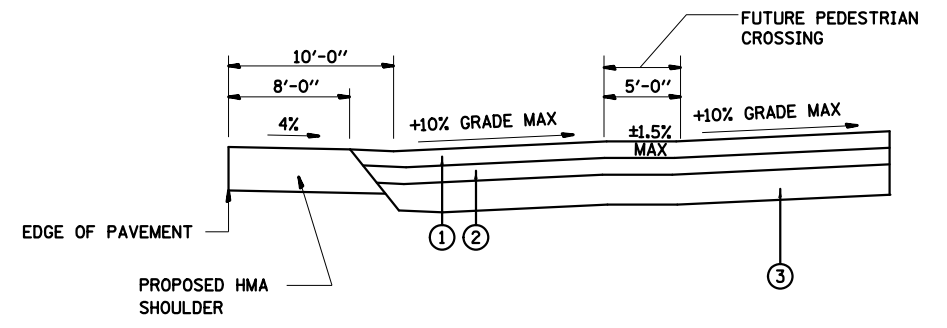
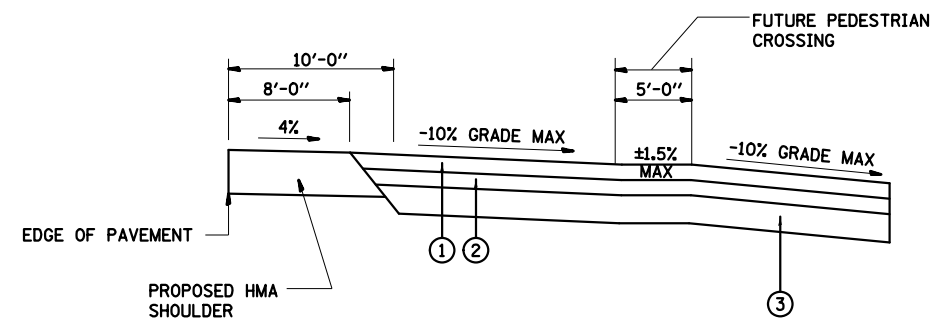
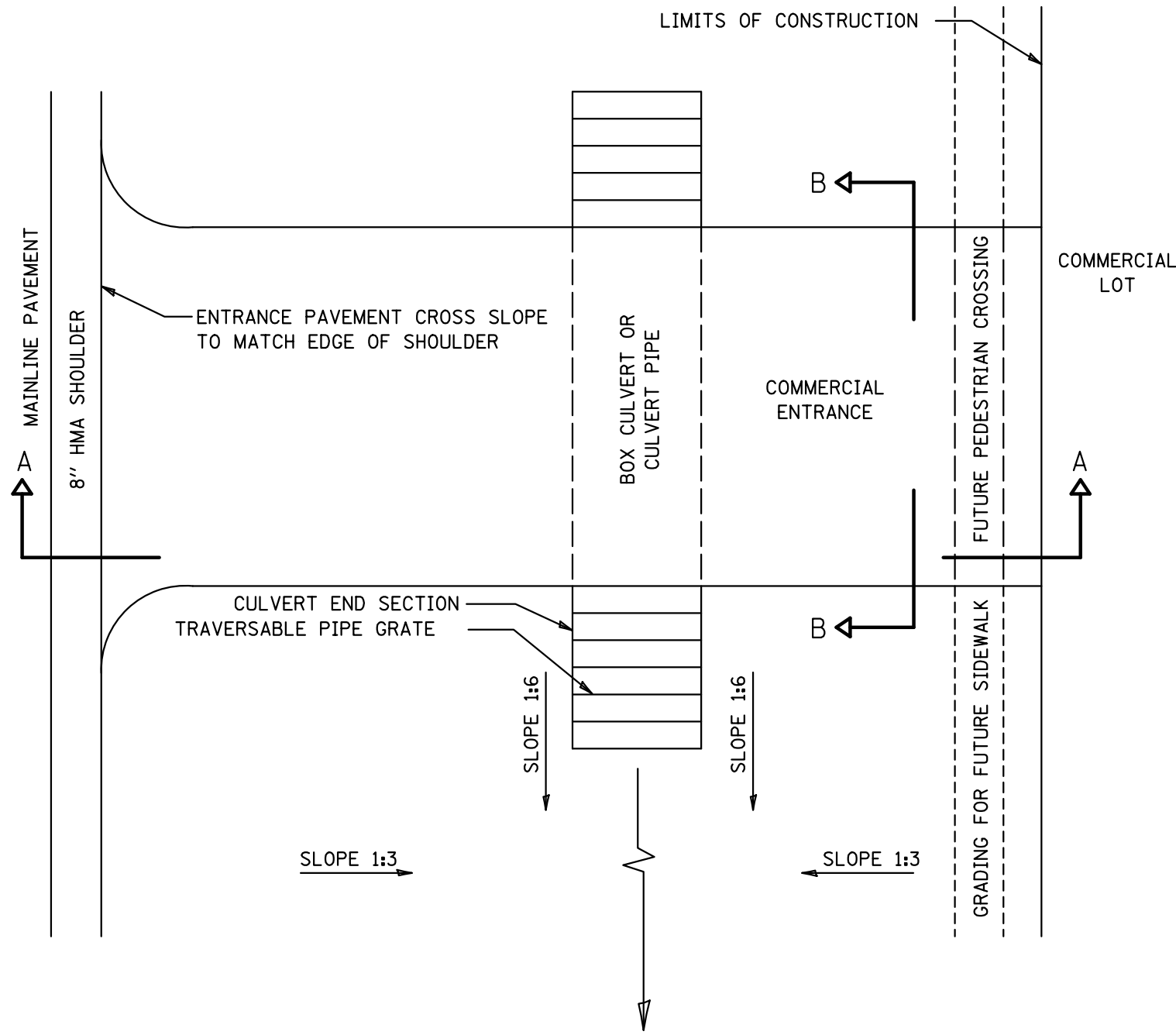
REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING PLANS

SCALE: 1" = 20' SHEET NO. 2 OF 4 SHEETS STA. 348+00 TO STA. 354+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9128	28-R-1	MADISON	64	44
CONTRACT NO. 76F11				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

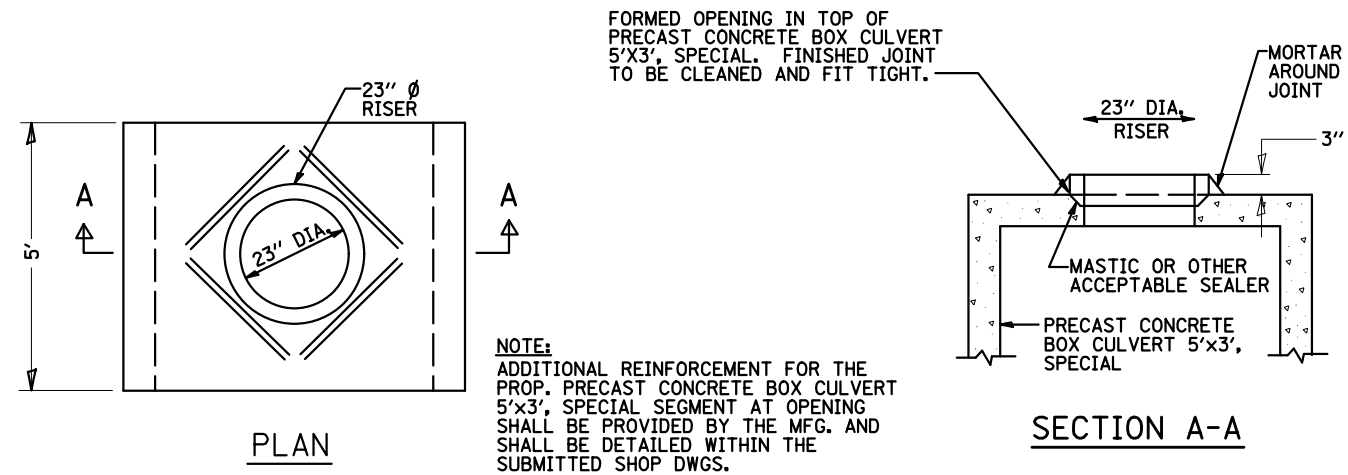


- CROSS SLOPE MUST MATCH EDGE OF SHOULDER AND THE COMMERCIAL LOT ON EACH END OF THE ENTRANCE. PAVEMENT SURFACE SHALL TRANSITION TO CORRECT CROSS SLOPE AT A RATE EQUAL TO THE CROSS SLOPE. TO ENSURE COMPOUND DRAINAGE FOR THE ENTRANCE
- ① PROPOSED POLY HMA SURFACE COURSE, MIX N90, 3"
- ② HMA BINDER COURSE, IL-19.0 FG, N90, 3"
- ③ AGGREGATE BASE COURSE, TYPE B, 6"

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		DRAWN -	REVISED -
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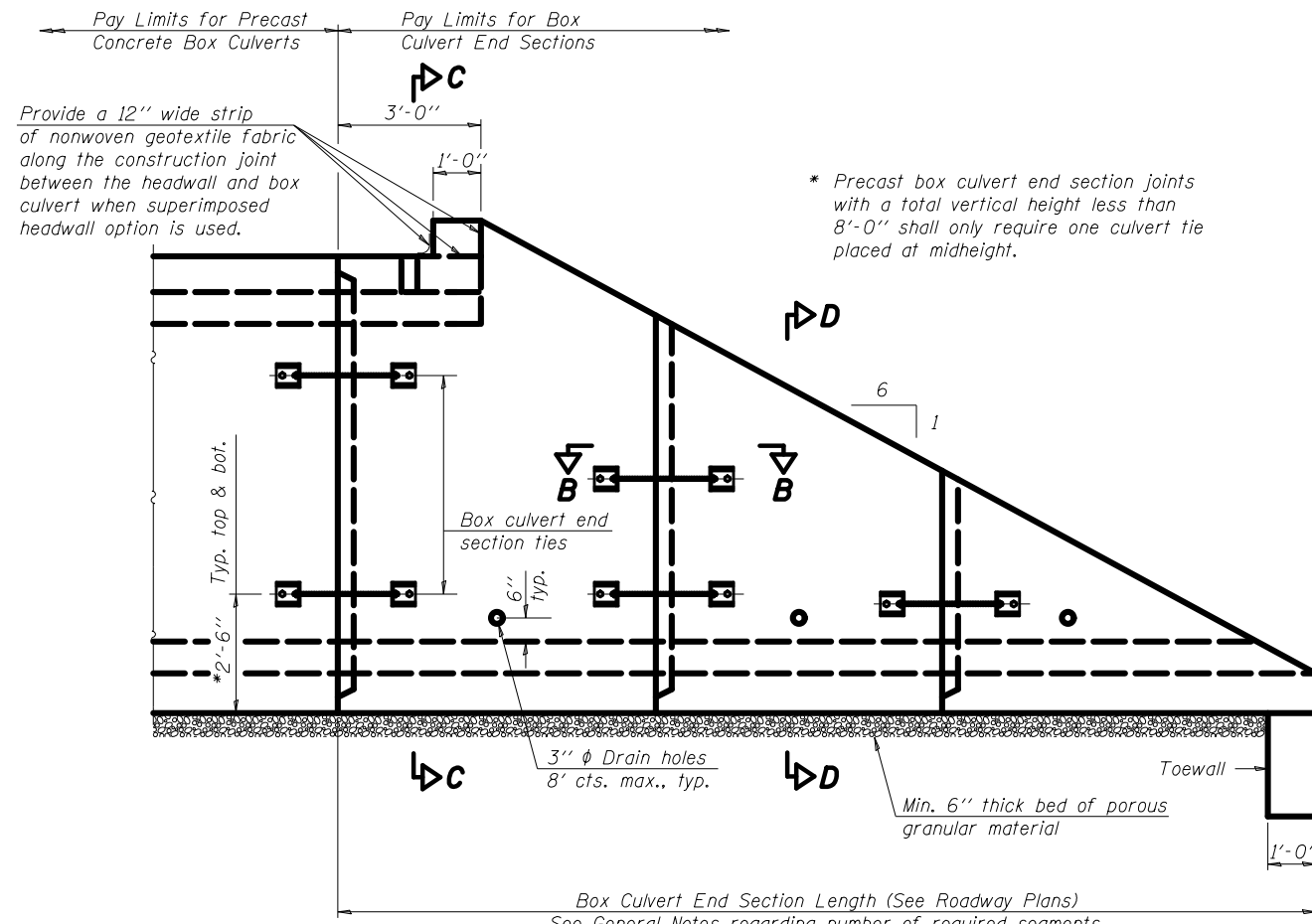
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ENTRANCE DETAILS		F.A.U. RTE. 9128	SECTION 28-R-1	COUNTY MADISON	TOTAL SHEETS 64	SHEET NO. 47
SCALE:	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	CONTRACT NO. 76F11		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT						

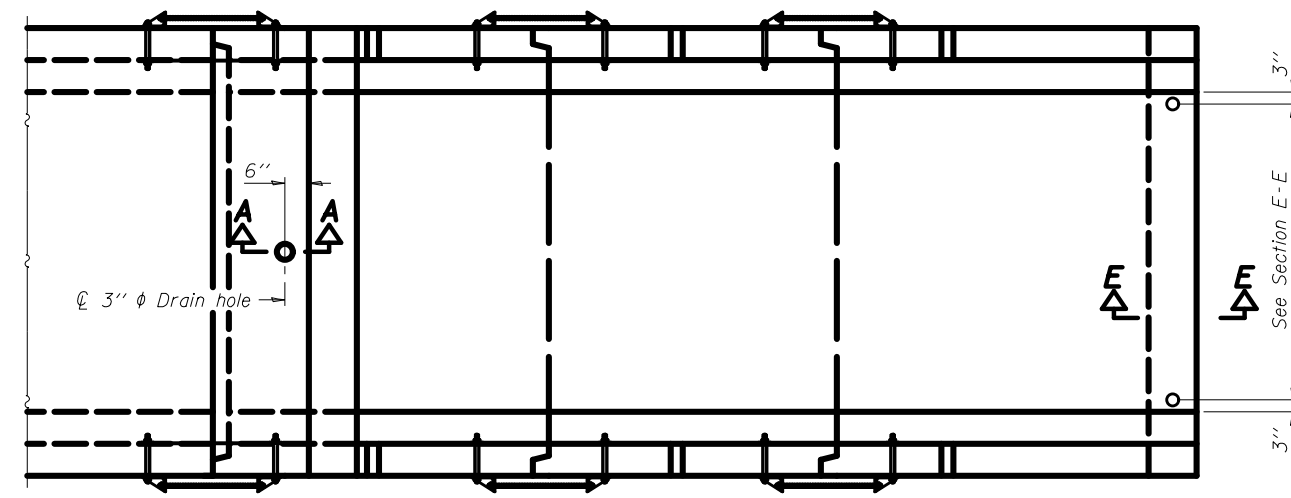


PRECAST BOX CULVERTS 5'x3', SPECIAL

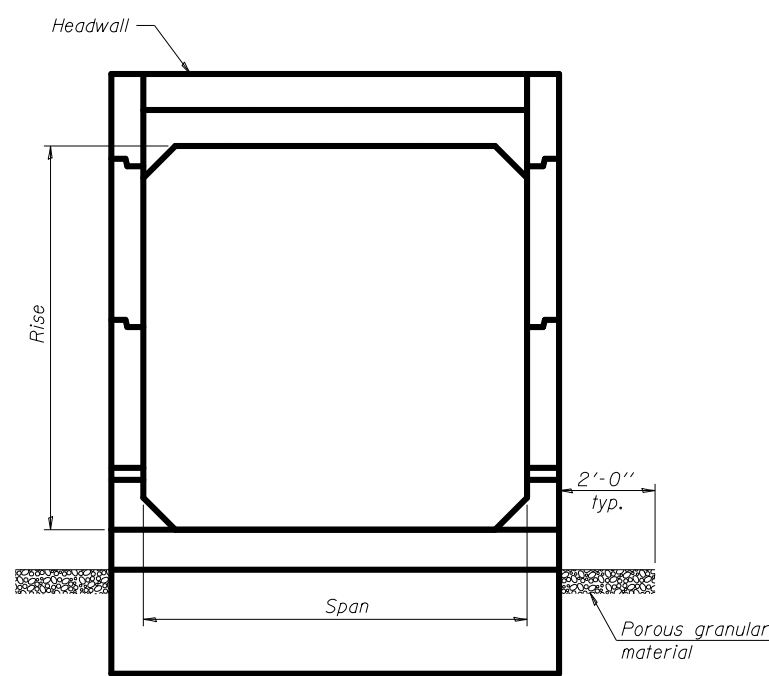
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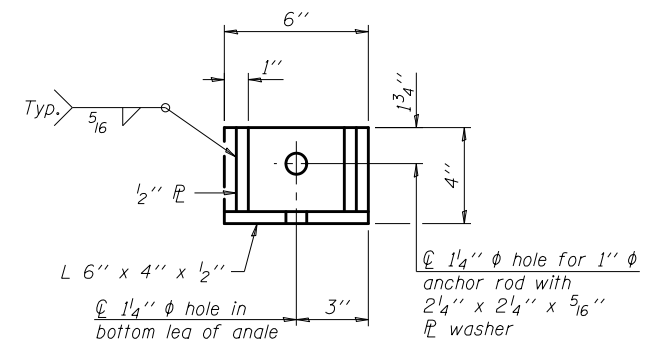
SIDE ELEVATION



PLAN VIEW



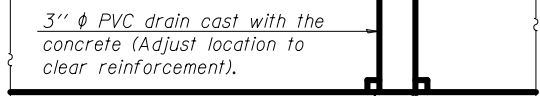
END VIEW



RESTRAINT ANGLE DETAIL

12" x 12" block of CA5, CA7 or CA11 coarse aggregate placed over drain opening. Block of aggregate shall be completely wrapped in nonwoven geotextile fabric.

Provide a double layer of 12" x 12" nonwoven geotextile fabric centered over the drain hole. Fabric shall be sealed to the concrete with mastic.



1/2" Square foam blockout around PVC drain (to be removed after concrete has cured)

SECTION A-A

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

GENERAL NOTES

Box Culvert End Sections shall be constructed according to the requirements of Section 540 of the Standard Specifications except as modified herein. End sections will be paid for at the contract unit price per each for Box Culvert End Sections of the culvert number specified.

Typical box section dimensions, materials, and reinforcement details for Box Culvert End Sections shall be according to the requirements of AASHTO M 259 or M 273 as required for the design of the portion of the culvert within the limits of Precast Concrete Box Culverts except as modified herein.

Number of sections shown in Side Elevation is for example only. Length and number of precast box sections required to construct Box Culvert End Sections shall be determined by the Contractor.

See roadway plans for embankment slope (V:H).
1" φ anchor rods for the culvert ties shall conform to the requirements of ASTM F1554, Grade 105. Structural steel for tie plate and restraint angle shall conform to the requirements of Article 1006.04 of the Standard Specifications. All components of the culvert tie detail shall be galvanized according to the requirements of AASHTO M 111 or M 232 as applicable.

2 1/4" x 2 1/4" x 5/16" plate washers shall be provided under each nut required for the anchor rods. All anchor rods in a culvert tie assembly shall be snug tightened by a few impacts of an impact wrench or the full force of a worker using an ordinary spud wrench. Holes in the walls for the culvert tie assembly may be drilled using core bits in lieu of using formed holes.

Alternate culvert ties similar in strength and stiffness to the plan details may be provided by the Contractor. Alternate culvert ties shall be subject to approval of the Engineer.
The headwall may be cast monolithically with the box section or a superimposed headwall may be cast directly onto the box sections. Anchor rods shall conform to the requirements of Article 1006.09 of the Standard Specifications and the anchor rods and associated hardware for securing the superimposed headwall to the box section shall be galvanized according to the requirements of AASHTO M 111 or M 232 as applicable. Class SI concrete may be used for construction of superimposed headwall.

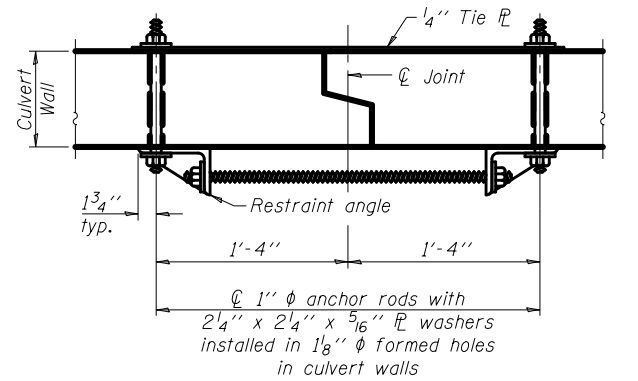
In lieu of using ferrule loop inserts, the Contractor may attach the superimposed headwall to the box section by epoxy grouting reinforcement bars according to the requirements of Section 584 of the Standard Specifications. The chemical adhesive system shall be capable of achieving the minimum proof load stated with drilled hole depths that do not exceed 2/3 of the thickness of the slab of the box section.

All costs associated with furnishing and installing or constructing the geotextile fabric, toewall, headwall, and culvert ties will not be measured for payment but shall be included in the contract unit price for Box Culvert End Sections of the culvert number specified.

Reinforcement bars designated (E) shall be epoxy coated. Reinforcement bars shall conform to the requirements of ASTM A 706 Gr. 60.

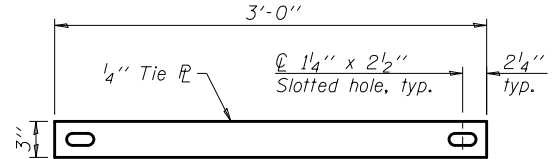
Drain holes shall conform to the requirements of Article 503.11 of the Standard Specifications unless noted otherwise.

Nonwoven geotextile fabric shall conform to the requirements of Article 1080.01. The minimum weight of the fabric shall be 6 oz. / sq. yd..



SECTION B-B

(Showing culvert tie details)



TIE PLATE DETAIL

DESIGNED -	EXAMINED	DATE
CHECKED -	ENGINEER OF BRIDGE DESIGN	
DRAWN -	PASSED	
CHECKED -	ENGINEER OF BRIDGES AND STRUCTURES	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BOX CULVERT END SECTION DETAILS

SHEET NO. 1 OF 2 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9128	28-R-1	MADISON	64	50
CONTRACT NO. 76F11				
ILLINOIS FED. AID PROJECT				

(Sheet 1 of 2)

T (in.), T _s (in.)	Reinforcing Steel A _{stm} (in. ² /ft.)										
	2	3	4	5	6	7	8	9	10	11	12
4	0.19	0.15									
5	0.26	0.21	0.18								
6		0.26	0.23	0.22							
7		0.33	0.59	0.27	0.28						
8			0.43	0.39	0.36	0.34	0.40				
9				0.43	0.40	0.37	0.36	0.48			
10				0.47	0.44	0.41	0.38	0.42	0.56		
11				0.54	0.46	0.41	0.41	0.50	0.65		
12				0.58	0.50	0.45	0.46	0.46	0.75		

(A_{stm} reinforcement based upon welded wire fabric conforming to AASHTO M 55 or M 221).

Notes:

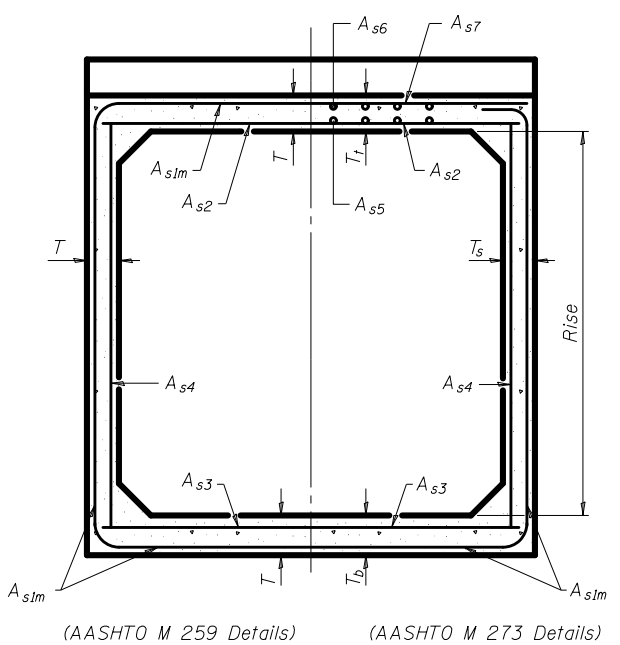
Alternate Section D-D is provided to allow the Contractor the option of casting the bottom slab of the end section first followed by construction of the sidewalls using conventional forming methods. Shop drawings that detail slab thickness and reinforcement layout shall be submitted to the Engineer for review and approval when using Alternate Section D-D.

The size and spacing of the v₃(E) bars shall provide a minimum reinforcement area along each face of the walls (in.²/ft.) equal to 1.10*(A_{stm}). v₃(E) bars may consist of #3 thru #6 size reinforcement bars and the longitudinal spacing shall not exceed the lesser of the wall thickness or 8 inches.

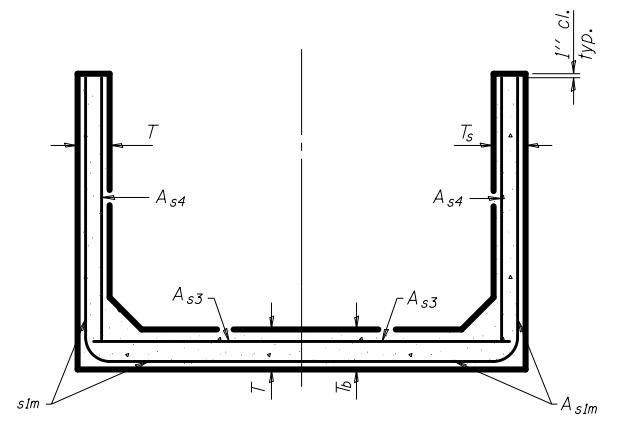
Bonded construction joints shall be prepared according to Article 503.09 of the Standard Specifications.

1. DIMENSION

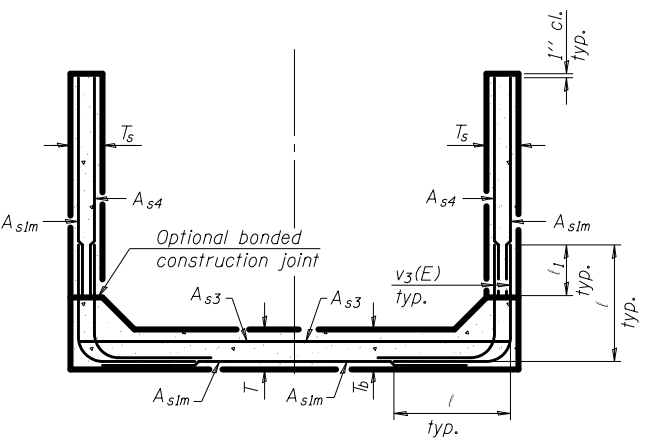
- #3 bar = 2'-0"
- #4 bar = 2'-8"
- #5 bar = 3'-4"
- #6 bar = 3'-11"



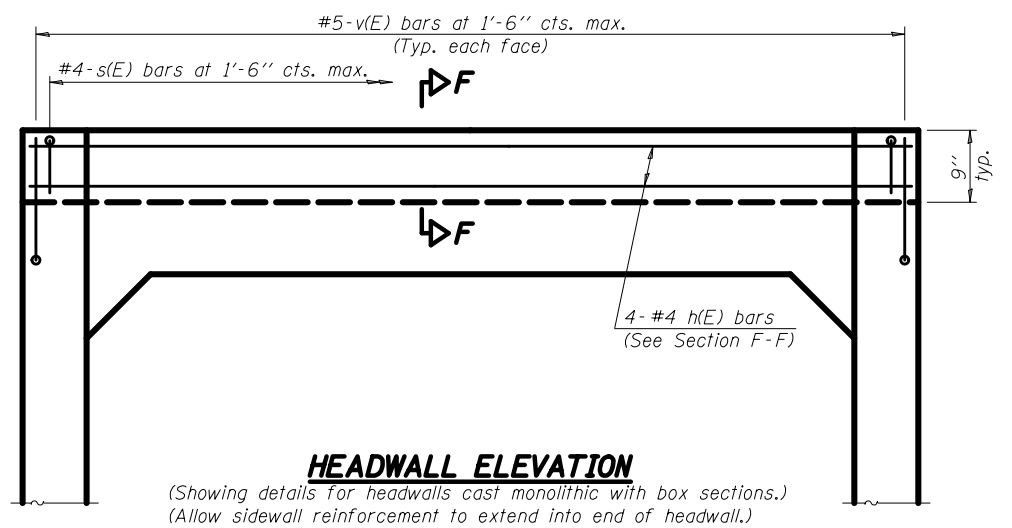
SECTION C-C



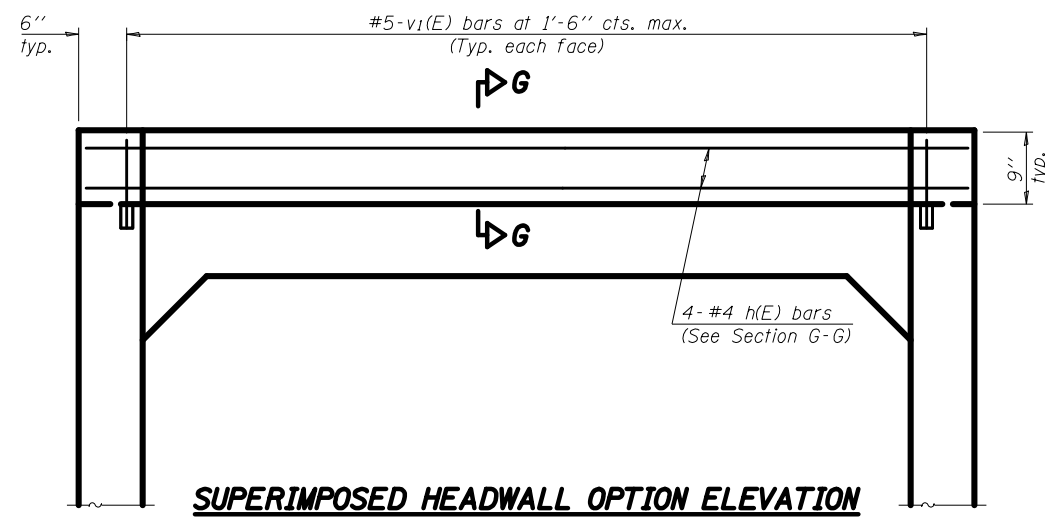
SECTION D-D



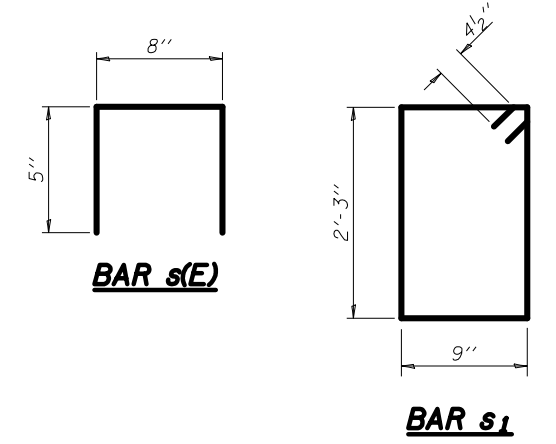
ALTERNATE SECTION D-D



HEADWALL ELEVATION

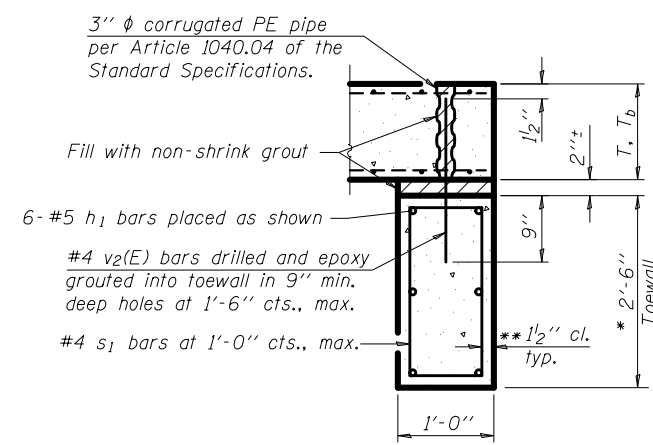


SUPERIMPOSED HEADWALL OPTION ELEVATION



BAR s(E)

BAR s_1



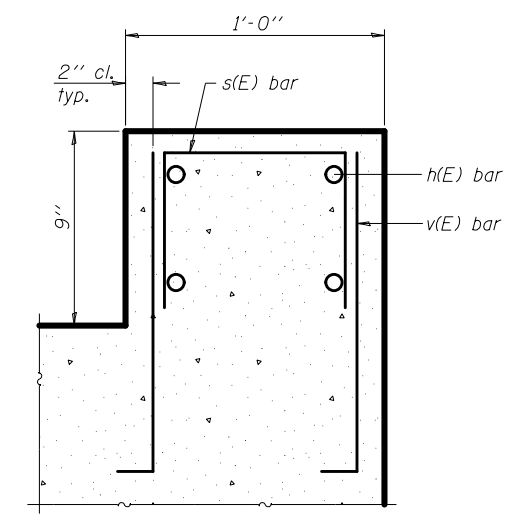
SECTION E-E

TOEWALL CONSTRUCTION SEQUENCE

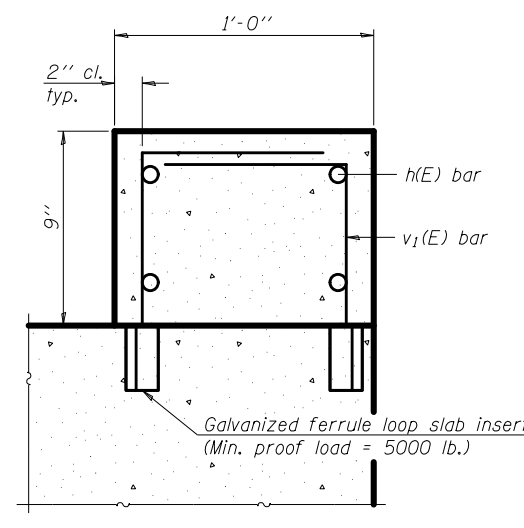
1. Perform excavation and construct toewall.
2. Backfill accordingly and place bedding for precast box culvert end sections.
3. Set precast box culvert end sections in place.
4. Drill and epoxy grout reinforcement in toewall in accordance with Section 584 of the Standard Specifications.
5. Pressure grout voids using non-shrink grout conforming to Section 1024 of the Standard Specifications.

* The Contractor may furnish a precast or cast-in-place toewall. The Contractor shall be responsible for the strength and stability of the precast toewall during handling. Additional lifting points may be required depending upon the length of the toewall or the Contractor may need to modify the design of the toewall for the proposed handling method.

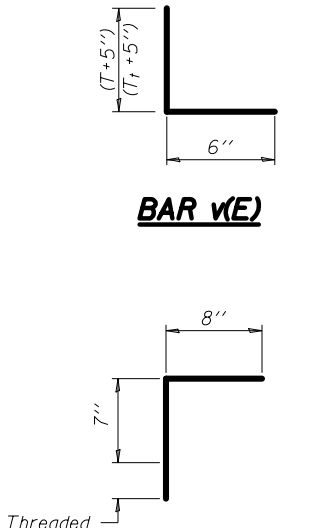
** If soil conditions permit, the sides of the toewall may be poured directly against the soil. The clear cover on the sides of the toewall shall be increased to 3" by increasing the thickness of the toewall.



SECTION F-F



SECTION G-G



BAR v(E)

BAR v_1(E)

(Sheet 2 of 2)

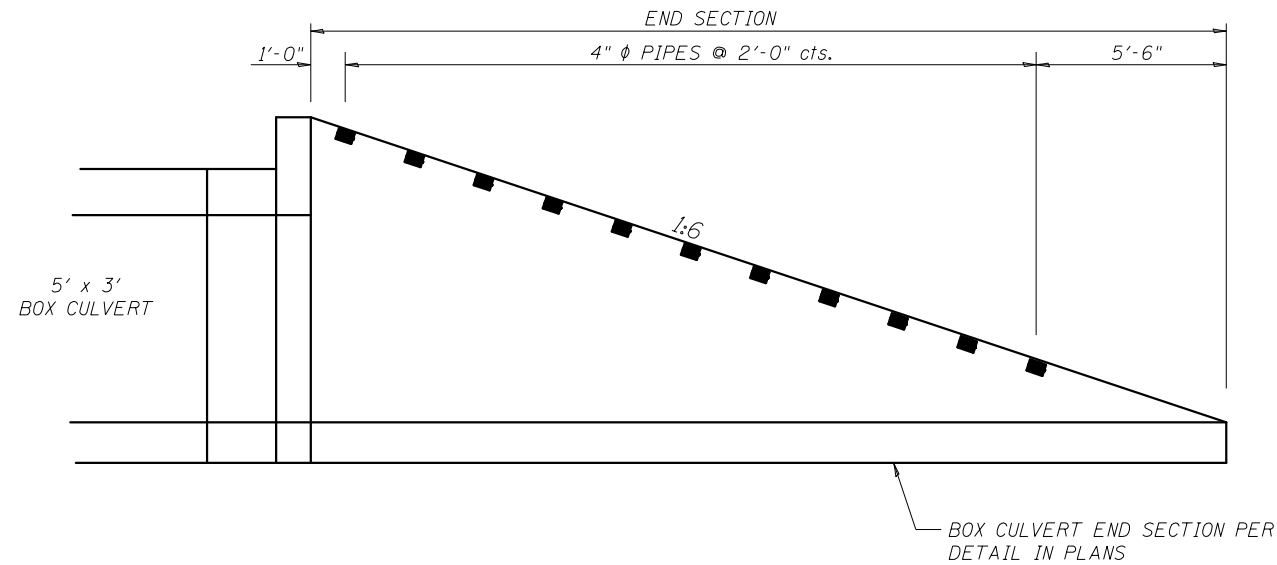
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CHECKED -	PASSED -	ENGINEER OF BRIDGE DESIGN			9128	28-R-1	MADISON	64	51
DRAWN -	ENGINEER OF BRIDGES AND STRUCTURES				CONTRACT NO. 76F11				
CHECKED -					ILLINOIS FED. AID PROJECT				

TRAVERSABLE PIPE GRATE FOR PARALLEL BOX CULVERT END SECTION

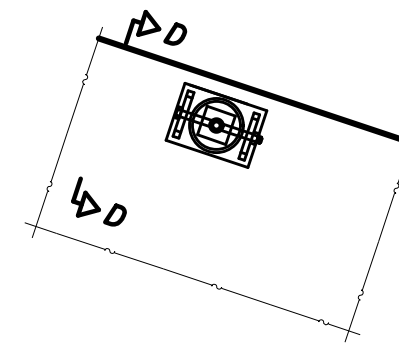
5'x3' BOX CULVERT ON A 1:6 SLOPE

GENERAL NOTES

- Length and number of steel pipes shall be determined by the Contractor in accordance with the spacing limits shown. All steel pipe shall be standard weight (Sch. 40) unless otherwise noted.
- All components of the Steel Pipe Grate System shall be galvanized according to the requirements of AASHTO M 111 or M 232 as applicable.
- Fabrication of the Steel Pipe Grate System shall conform to the requirements in Section 505 of the Standard Specifications unless noted otherwise.
- Structural steel shapes and plates shall conform to the requirements of Article 1006.04 of the Standard Specifications. Steel pipes shall conform to the requirements of ASTM A 53 (Type E or S), Grade B.
- Anchor rods shall conform to the requirements of ASTM F1554, Grade 105. Anchor rods shall be drilled and epoxy grouted according to the requirements of Section 584 of the Standard Specifications. The chemical adhesive system shall be capable of achieving a minimum proof load of 5000 pounds and an ultimate shear capacity of 8000 pounds per anchor.
- Bolts and thru bolts shall conform to the requirements of Article 1006.08 of the Standard Specifications except threaded rods conforming to the requirements of ASTM F1554, Grade 105 may be used for the thru bolts.
- The minimum edge distance from the center of a hole to the free edge of a structural shape or plate shall be $1\frac{1}{2}$ " unless noted otherwise.
- Bolts and anchor rods shall be snug tightened by a few impacts of an impact wrench or the full force of a worker using an ordinary spud wrench.
- All cost associated with fabricating, furnishing, and installing the Steel Pipe Grate System including the steel pipes, steel plates, bolts, nuts and washers shall be included in the contract unit price "Foot" for Traversable Pipe Grates.
- This standard shall only be used on concrete end sections not skewed more than +15 degrees from parallel with mainline roadway.
- The minimum distance from the center of a hole to the free edge of a structure shape or plate shall be $1\frac{1}{2}$ " unless noted otherwise.

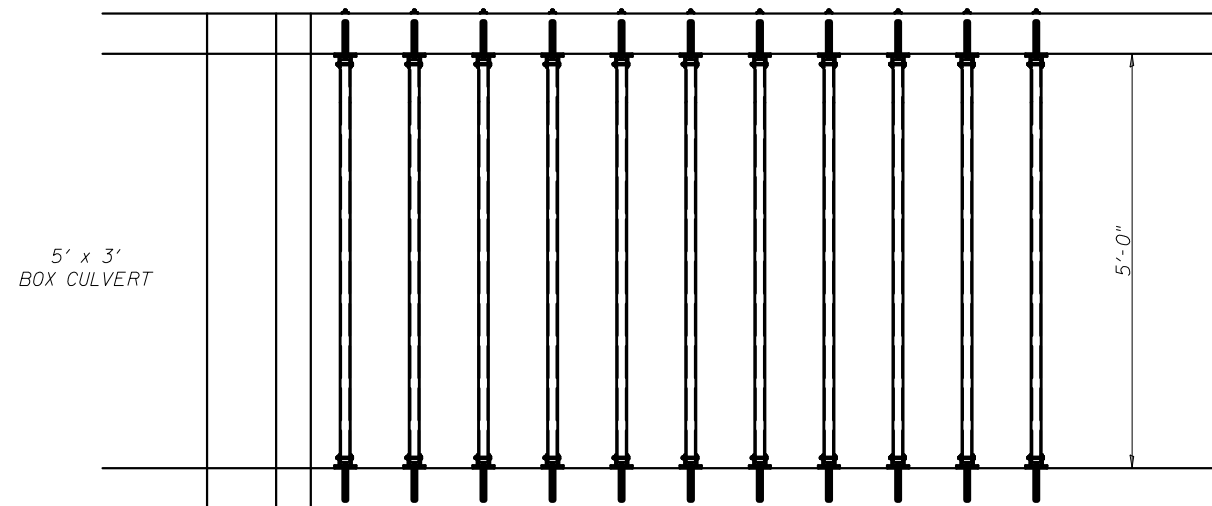


LONGITUDINAL SECTION

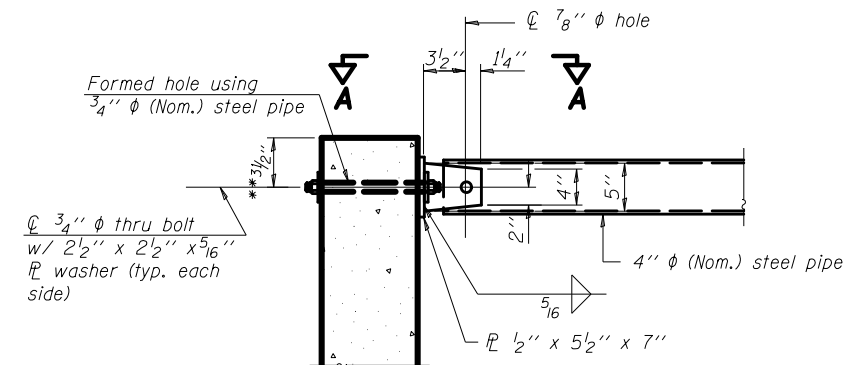


SECTION C-C

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

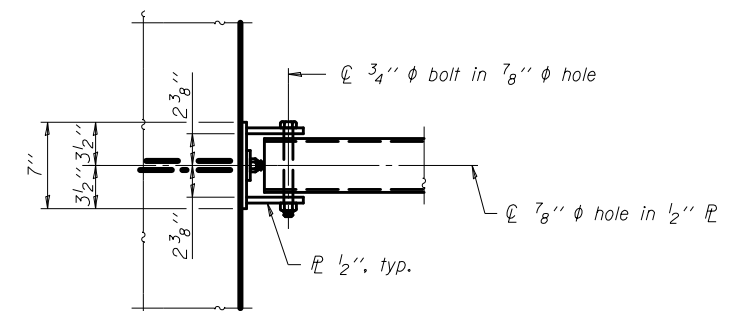


PLAN VIEW



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.



VIEW A-A

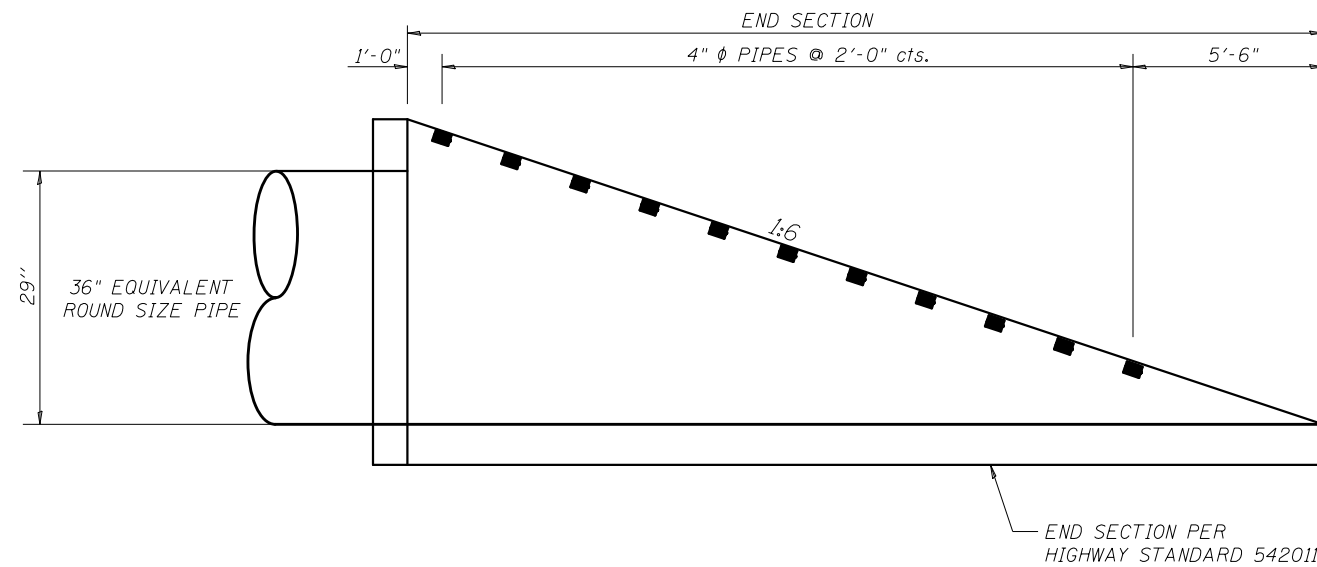
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TRAVERSABLE PIPE GRATE FOR ELLIPTICAL PIPE CULVERT END SECTION

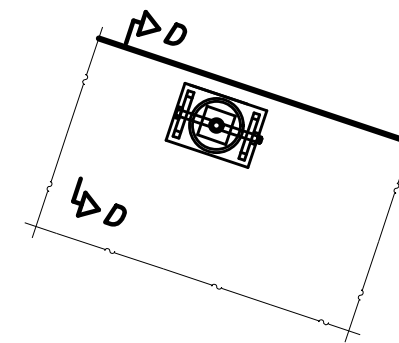
ELLIPTICAL PIPE CULVERT ON A 1:6 SLOPE

GENERAL NOTES

- Length and number of steel pipes shall be determined by the Contractor in accordance with the spacing limits shown. All steel pipe shall be standard weight (Sch. 40) unless otherwise noted.
- All components of the Steel Pipe Grate System shall be galvanized according to the requirements of AASHTO M 111 or M 232 as applicable.
- Fabrication of the Steel Pipe Grate System shall conform to the requirements in Section 505 of the Standard Specifications unless noted otherwise.
- Structural steel shapes and plates shall conform to the requirements of Article 1006.04 of the Standard Specifications. Steel pipes shall conform to the requirements of ASTM A 53 (Type E or S), Grade B.
- Anchor rods shall conform to the requirements of ASTM F1554, Grade 105. Anchor rods shall be drilled and epoxy grouted according to the requirements of Section 584 of the Standard Specifications. The chemical adhesive system shall be capable of achieving a minimum proof load of 5000 pounds and an ultimate shear capacity of 8000 pounds per anchor.
- Bolts and thru bolts shall conform to the requirements of Article 1006.08 of the Standard Specifications except threaded rods conforming to the requirements of ASTM F1554, Grade 105 may be used for the thru bolts.
- The minimum edge distance from the center of a hole to the free edge of a structural shape or plate shall be $1\frac{1}{2}$ " unless noted otherwise.
- Bolts and anchor rods shall be snug tightened by a few impacts of an impact wrench or the full force of a worker using an ordinary spud wrench.
- All cost associated with fabricating, furnishing, and installing the Steel Pipe Grate System including the steel pipes, steel plates, bolts, nuts and washers shall be included in the contract unit price "Foot" for Traversable Pipe Grates.
- This standard shall only be used on concrete end sections not skewed more than +15 degrees from parallel with mainline roadway.
- The minimum distance from the center of a hole to the free edge of a structure shape or plate shall be $1\frac{1}{2}$ " unless noted otherwise.

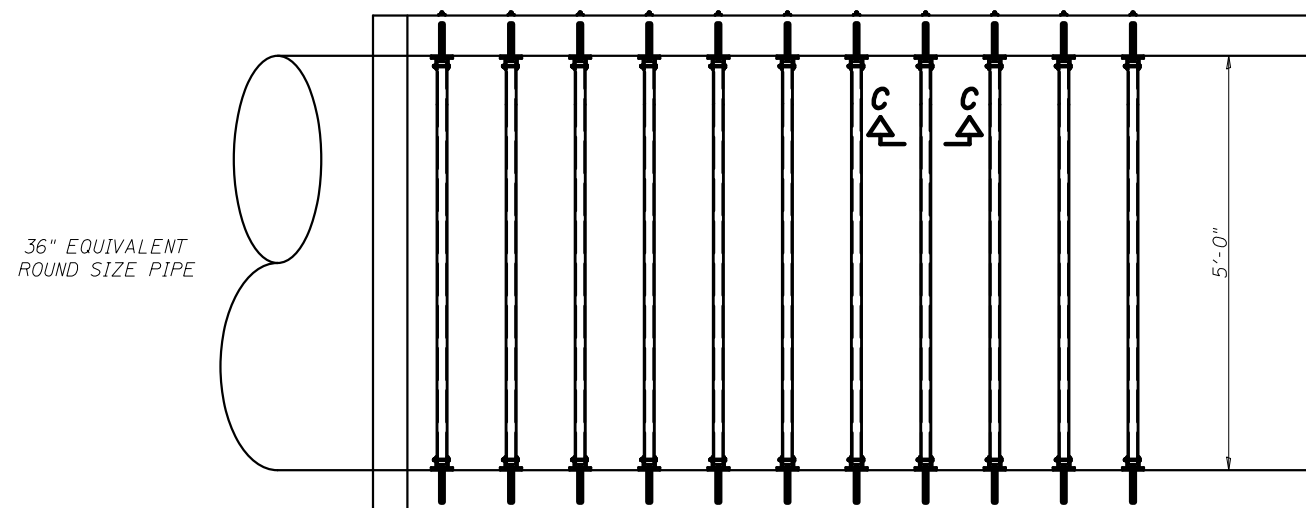


LONGITUDINAL SECTION

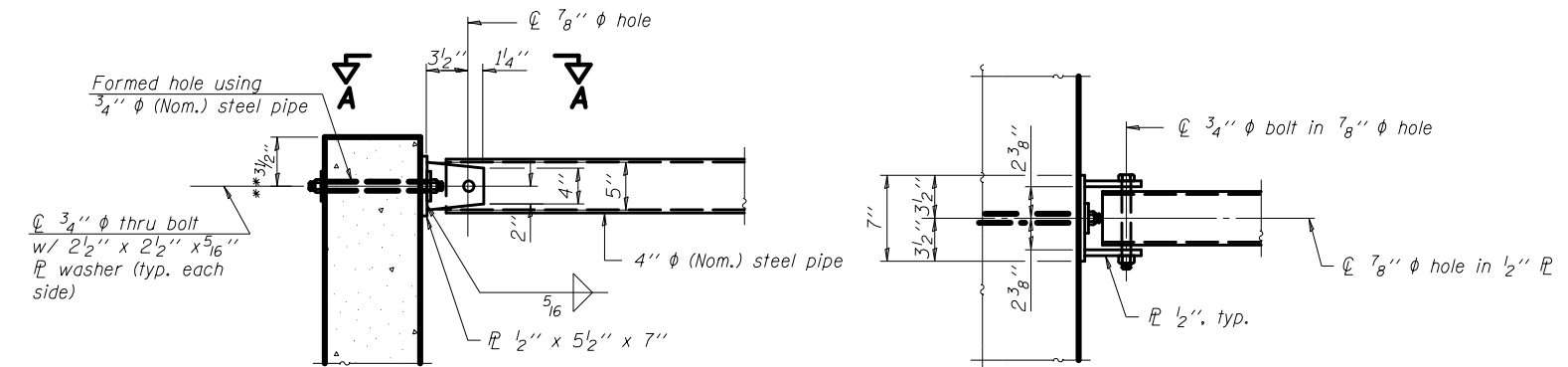


SECTION C-C

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



PLAN VIEW



SECTION D-D

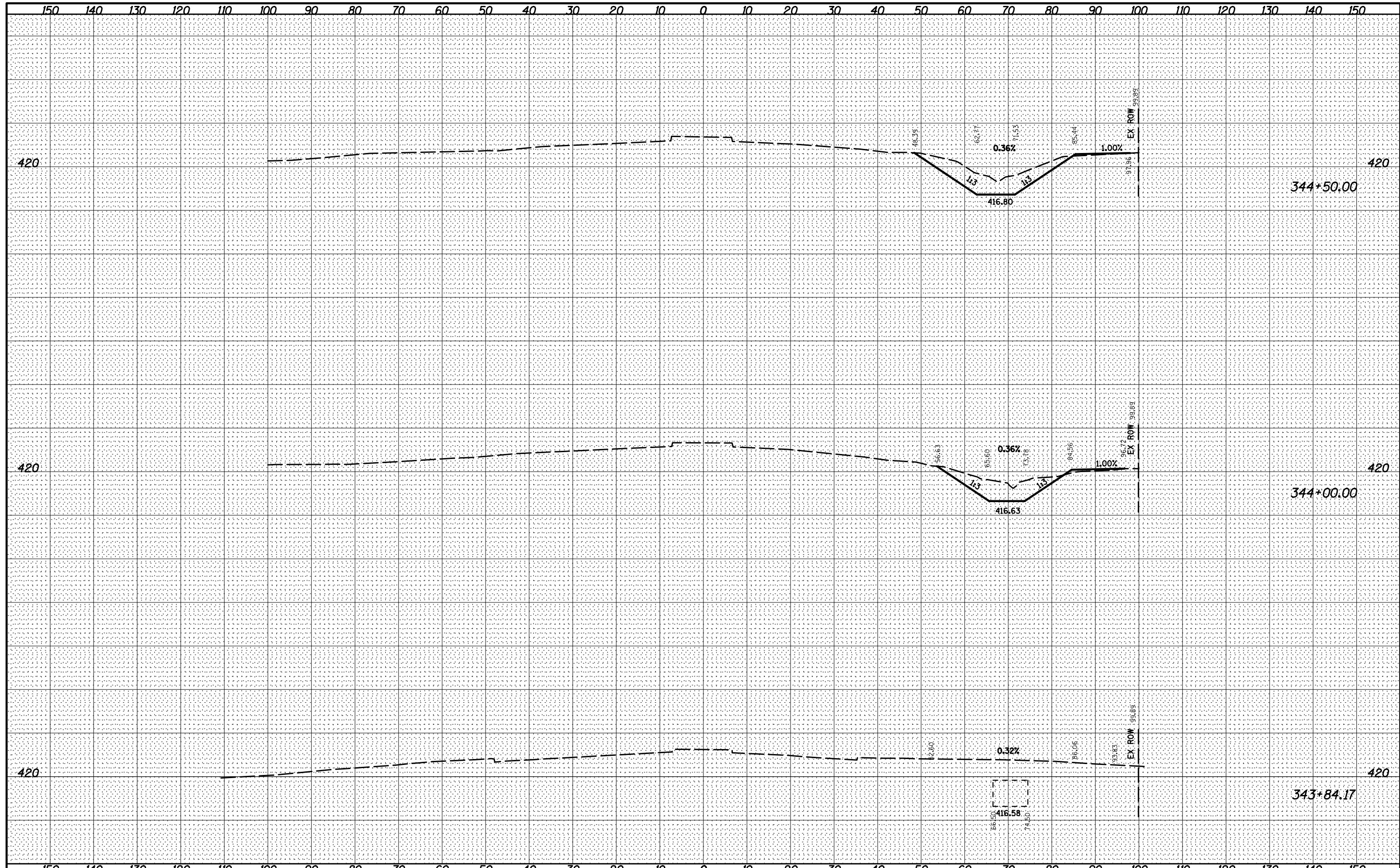
** Measured perpendicular to top of culvert wall. In addition, formed hole shall be located a minimum of 6" measured horizontally from any vertical joints necessary for construction of the culvert end section.

VIEW A-A

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BY	
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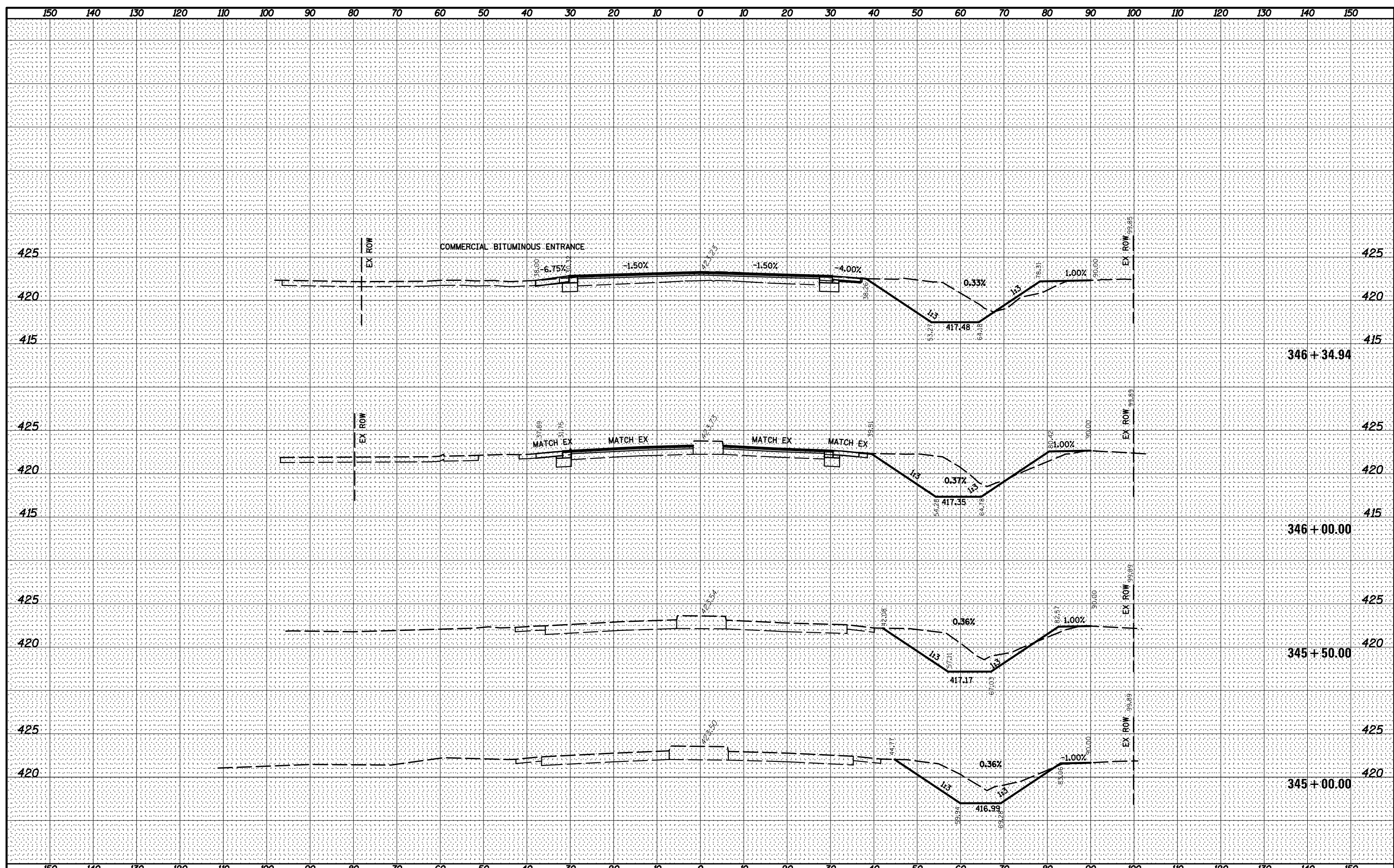
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BY	DATE
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NO.	TEMPLATE
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	AREAS CHECKED

BY	DATE
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	AREAS CHECKED



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DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

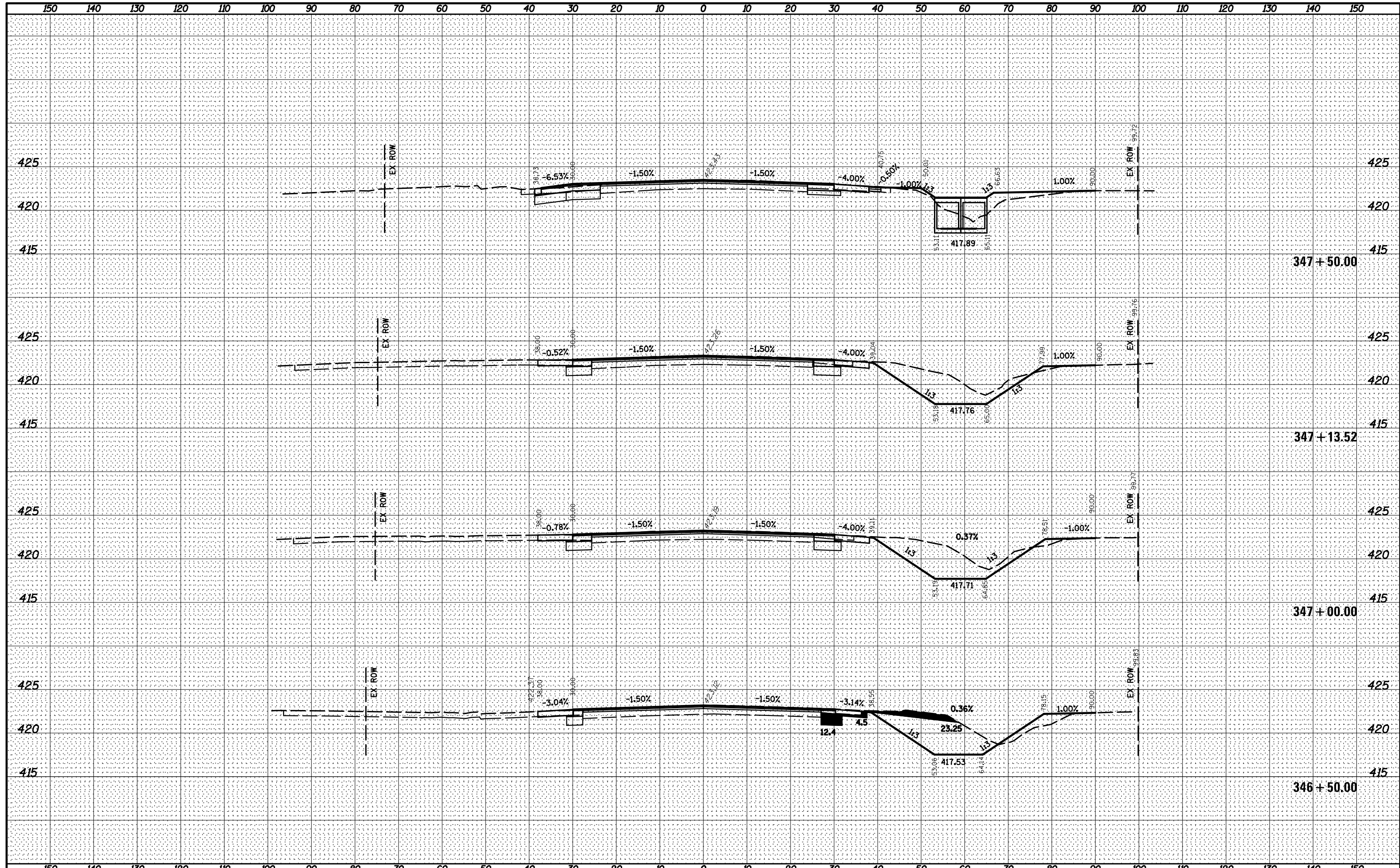
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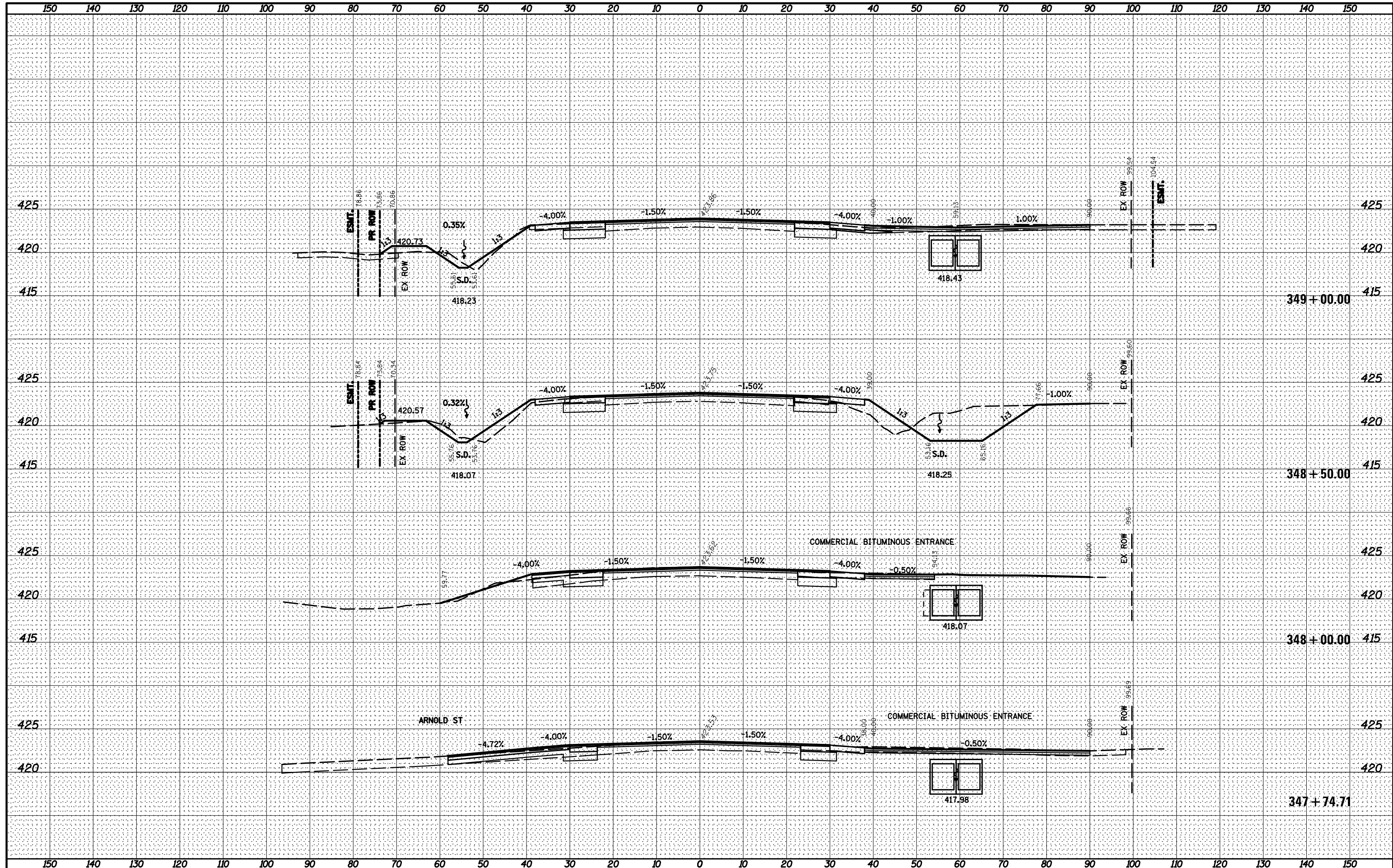
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9128	28-R-1	MADISON	64	55
CONTRACT NO. 76F11			ILLINOIS FED. AID PROJECT	

BY _____ DATE _____
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BY _____ DATE _____
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AREAS AREAS
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BY DATE

FINAL SURVEY	SURVEYED
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BY DATE

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

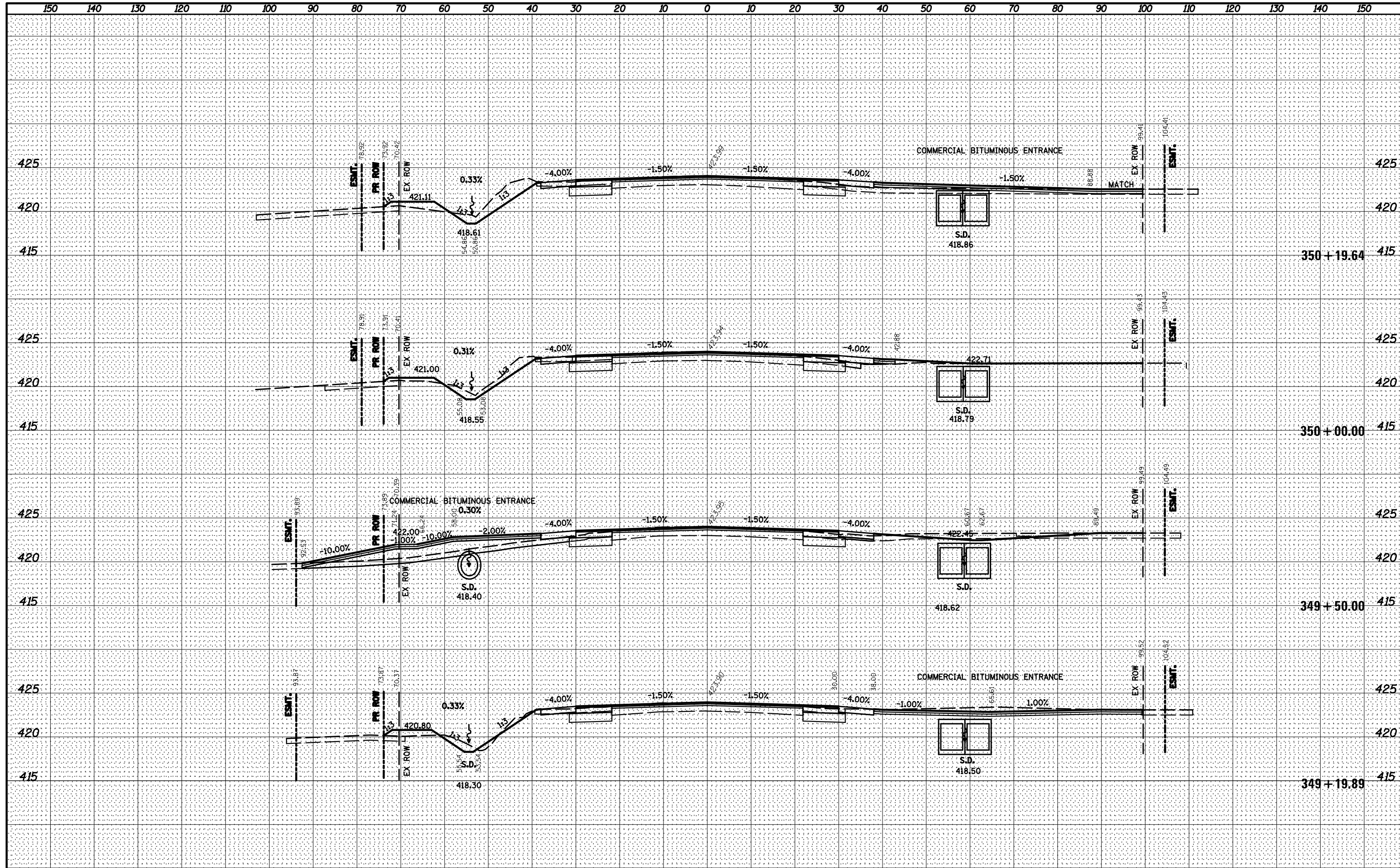
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ILLINOIS FED. AID PROJECT				

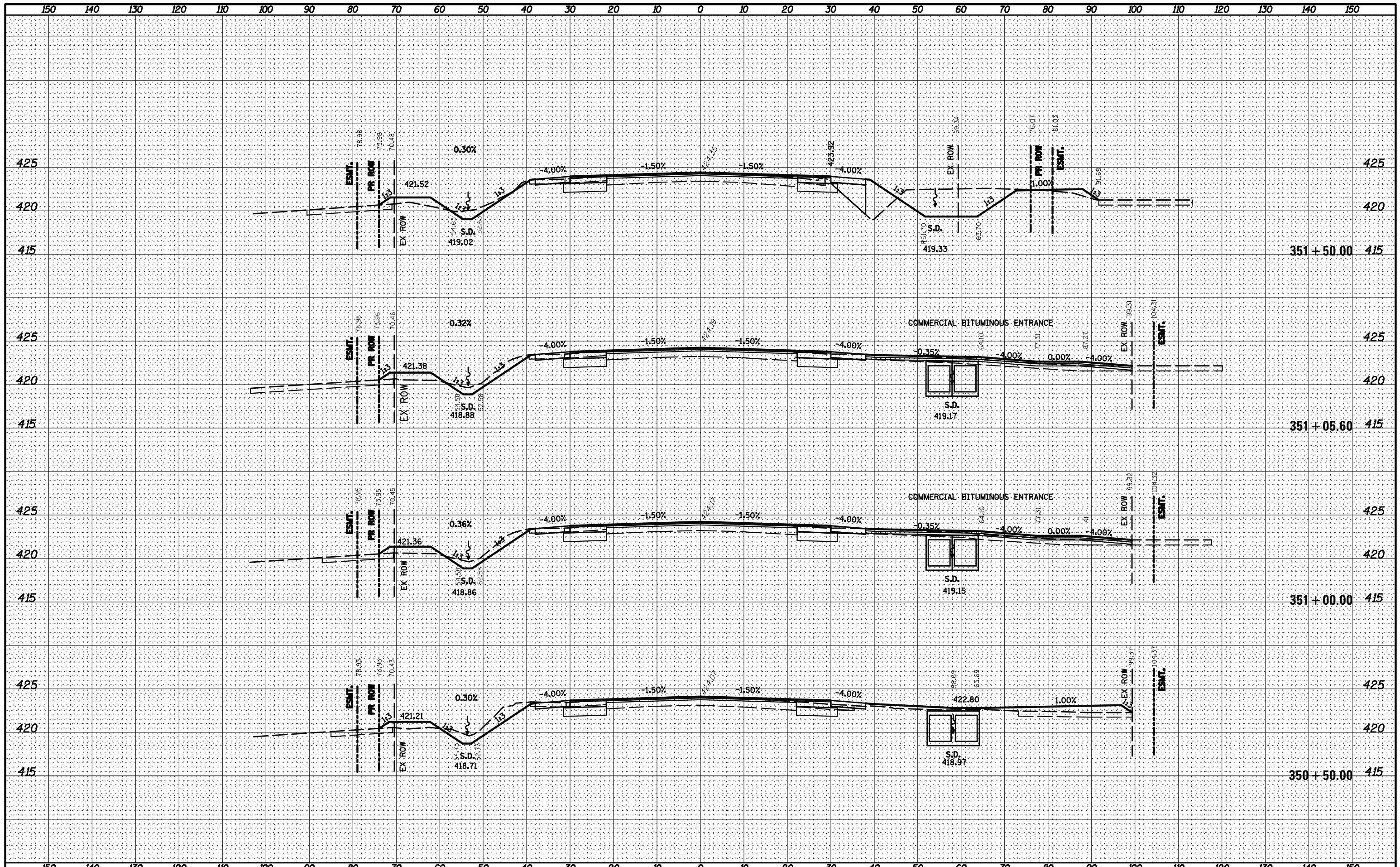
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	AREAS CHECKED



BY	DATE

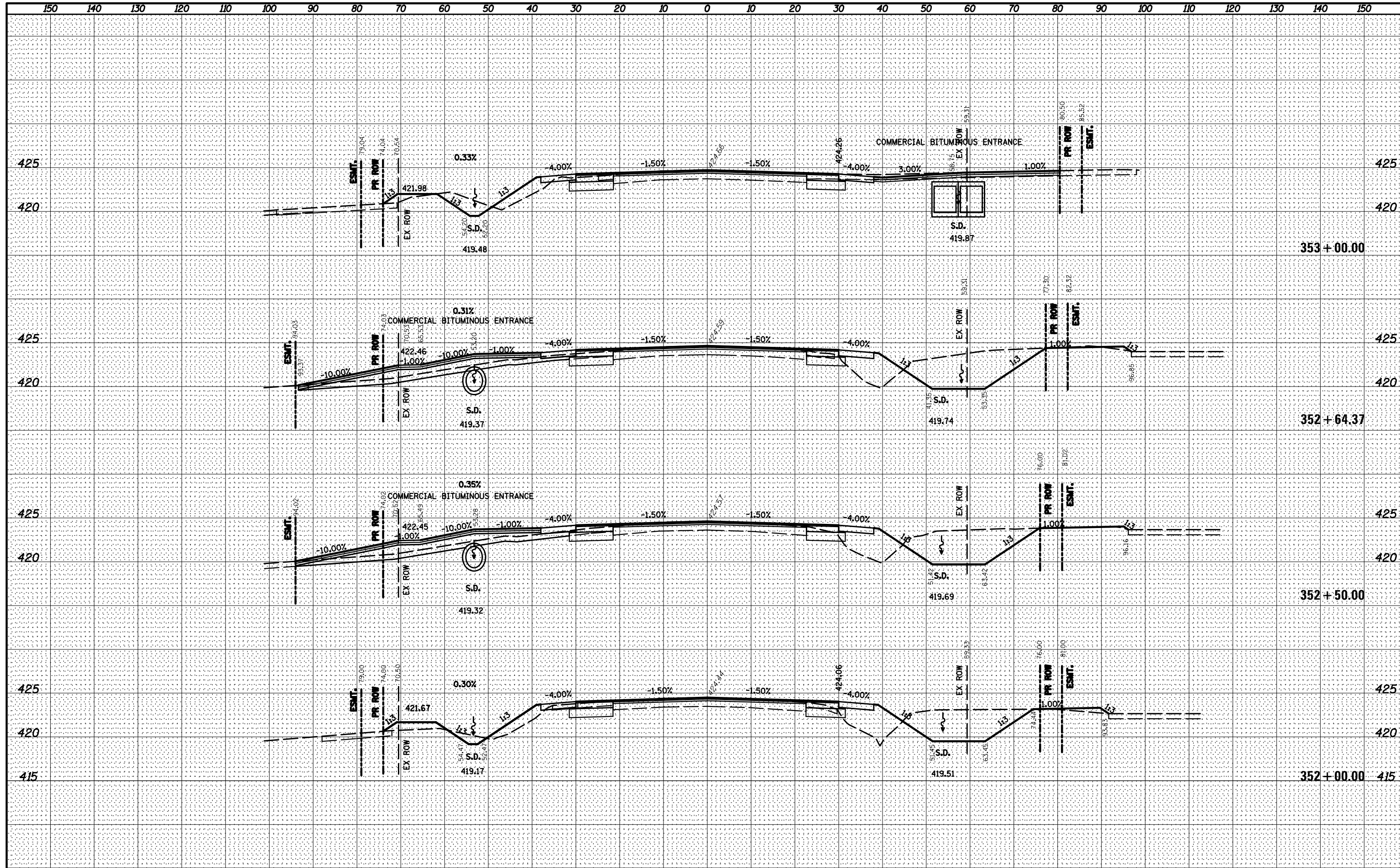
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED
	AREAS CHECKED



FILE NAME =	USER NAME = *USER*	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				CROSS SECTIONS				F.A.U. RTE. 9128	SECTION 28-R-1	COUNTY MADISON	TOTAL SHEETS 64	SHEET NO. 59	
*FILEL#		DRAWN -	REVISED -	SCALE: 1" = 20'				SHEET 6 OF 11 SHEETS				STA. 350+50.00 TO STA. 351+50.00				CONTRACT NO. 76F11	
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		DATE -	REVISED -														

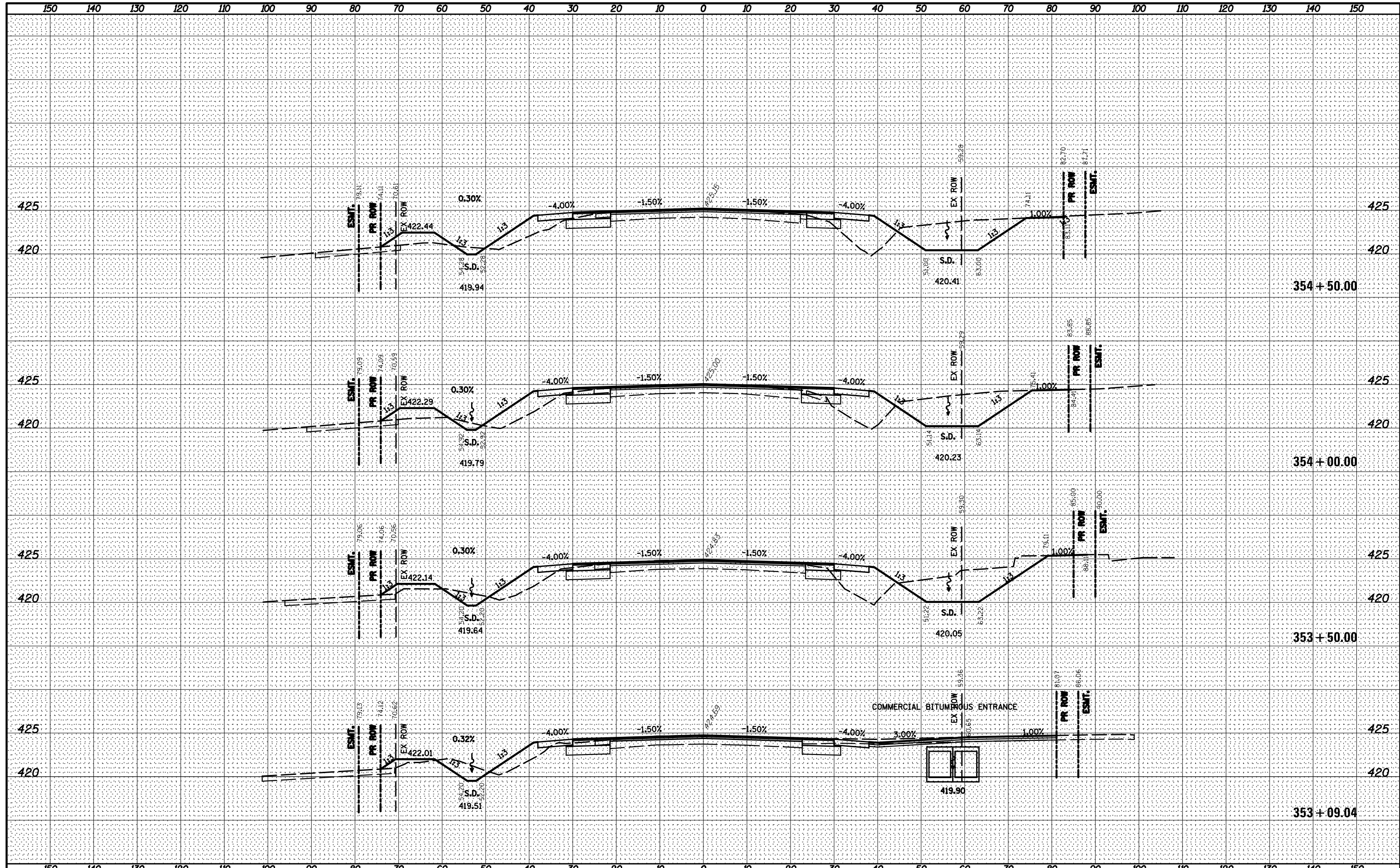
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DATE _____
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 AREAS CHECKED _____
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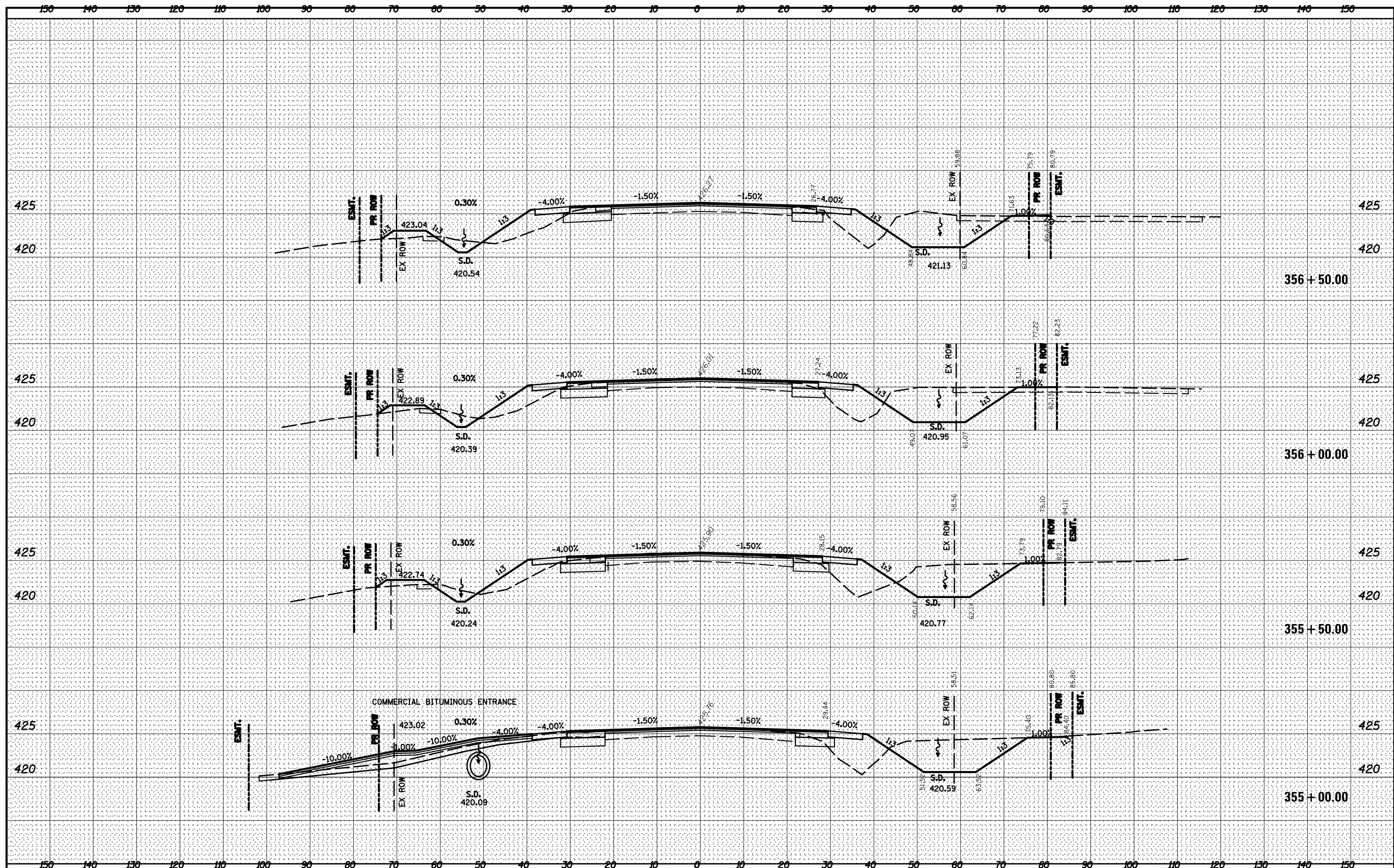
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 NOTE BOOK _____
 AREAS CHECKED _____
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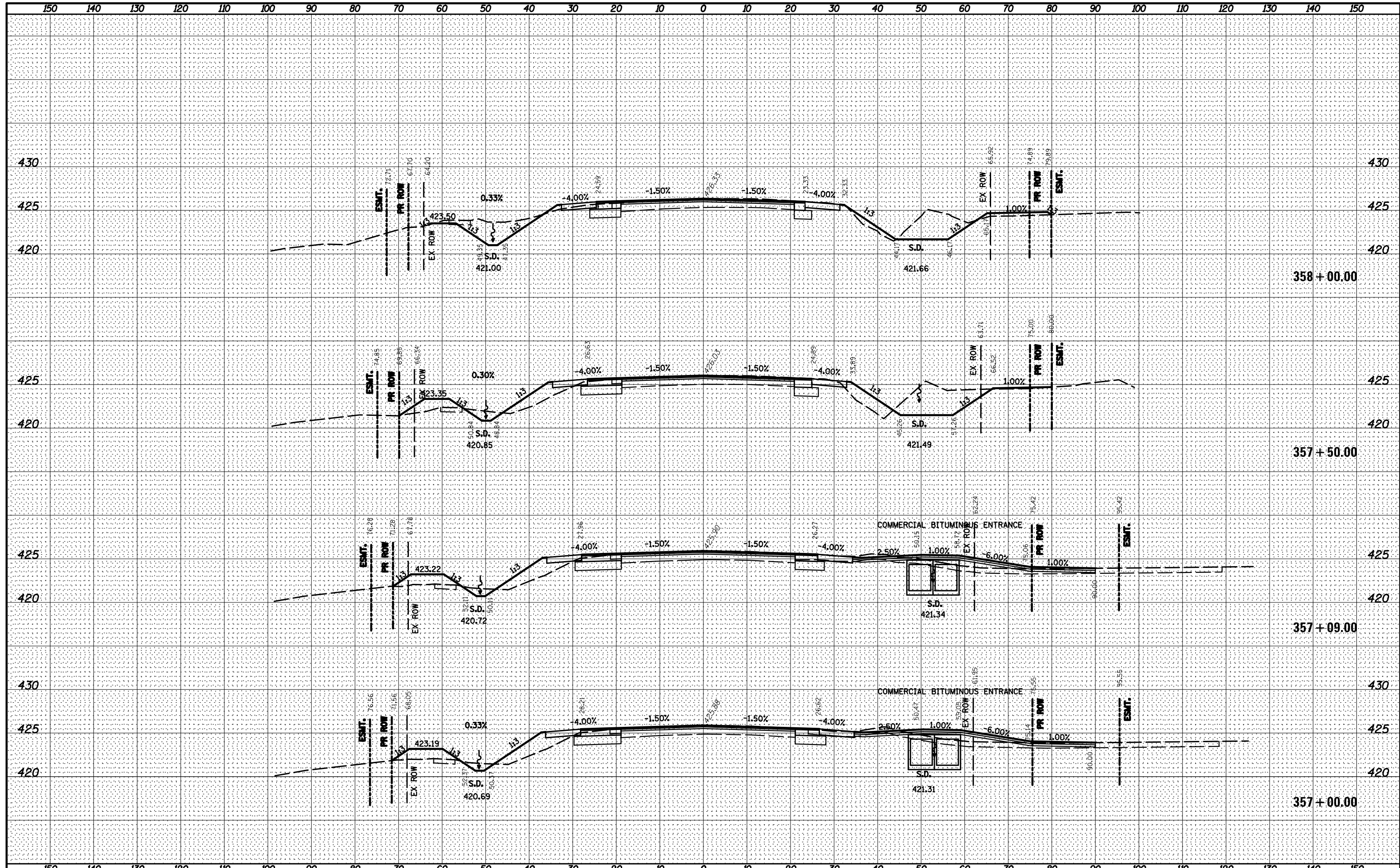
BY: _____ DATE: _____
 SURVEYED _____
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 NO. _____ AREAS CHECKED _____

BY: _____ DATE: _____
 SURVEYED _____
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BY: _____ DATE: _____
 SURVEYED _____
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 NOTE BOOK _____
 AREAS CHECKED _____
 NO. _____

BY: _____ DATE: _____
 SURVEYED _____
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 TEMPLATE _____
 NOTE BOOK _____
 AREAS CHECKED _____
 NO. _____



FILE NAME =	USER NAME = *USER*	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS			F.A.U. RTE. 9128	SECTION 28-R-1	COUNTY MADISON	TOTAL SHEETS 64	SHEET NO. 63
FILEL		DRAWN -	REVISED -		SCALE: SHEET 10 OF 11 SHEETS STA. 357+00.00 TO STA. 358+00.00			CONTRACT NO. 76F11				
PLOT SCALE = *SCALE*		CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
MODELNAME		DATE -	REVISED -									

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

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

