

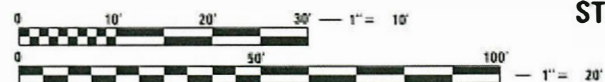
**INDEX OF SHEETS**

09-18-2020 LETTING ITEM 058

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701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 m) AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
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701901-08	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
728001-01	TELESCOPING STEEL SIGN SUPPORT
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BLR24-2	MAILBOX TURNOUT FOR LOCAL ROADS
BLR28	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER



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.

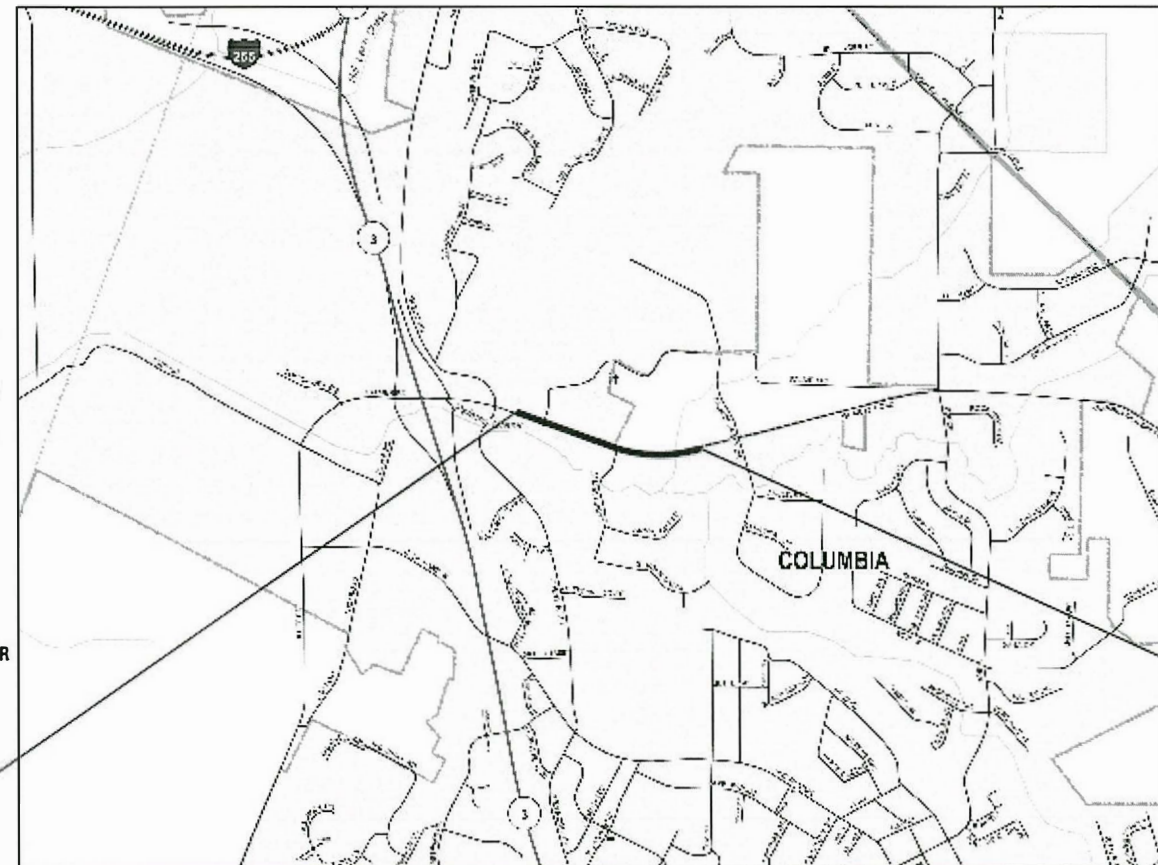
J.U.L.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
1-800-892-0123  
OR 811

CONTRACT NO. 97737

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION  
**PLANS FOR PROPOSED  
QUARRY ROAD RESURFACING**

CITY OF COLUMBIA  
FAU ROUTE 9311 (QUARRY ROAD)  
STU FUNDS  
SECTION 18-00054-00-RS  
MONROE COUNTY  
PROJECT Q3K8(630)  
C-98-017-022 R 10 W



BEGIN SECTION  
STA. 21 + 25

END SECTION  
STA. 44 + 94

LOCATION MAP

GROSS LENGTH = 2,369 FT. = 0.449 MILE  
NET LENGTH = 2,369 FT. = 0.449 MILE

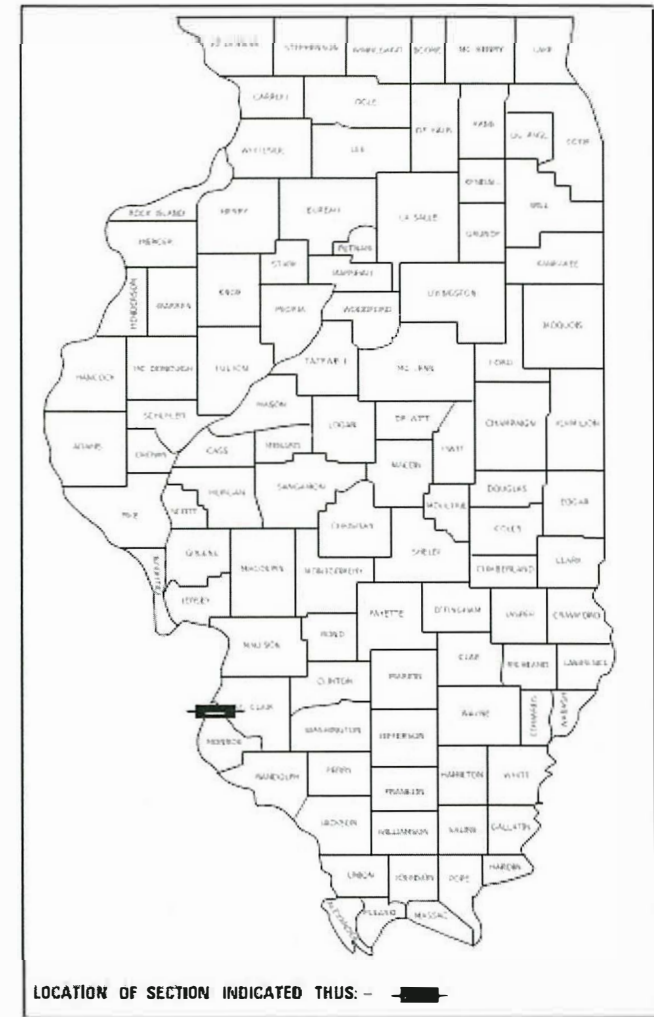
DESIGN DESIGNATION

(STA 21 + 25 TO STA 25 + 66)  
ROADWAY CLASSIFICATION = MAJOR COLLECTOR  
DESIGN SPEED = 40 MPH  
DESIGN ADT (2020) = 4,100

DESIGN DESIGNATION

(STA 25 + 66 TO STA 45 + 68)  
ROADWAY CLASSIFICATION = MAJOR COLLECTOR  
DESIGN SPEED = 40 MPH  
DESIGN ADT (2020) = 3,250

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9311	18-00054-00-RS	MONROE	38	1
		ILLINOIS	CONTRACT NO. 97737	



LOCATION OF SECTION INDICATED THUS: -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	
APPROVED	7-10-20 DATE
<i>Kevin Hutchinson</i> KEVIN HUTCHINSON	MAYOR OF COLUMBIA
PASSED	DATE
<i>July 16, 2020</i> <i>Keith Roberts</i>	DISTRICT 8 ENGINEER OF LOCAL ROADS & STREETS
RELEASING FOR BID BASED ON LIMITED REVIEW	DATE
	<i>July 16, 2020</i> Keith Roberts <i>gms</i> REGION 5 ENGINEER



Collinsville: 100 Lumber Court Suite 1, Collinsville, IL 62234, 618-545-2200  
Belleville: 20 East Main Street, Belleville, IL 62200, 618-416-4688  
St. Louis: 730 Olive Suite 700, St. Louis, MO 63101, 314-388-8881  
St. Charles: 320 North Main Suite 201, St. Charles, MO 63301, 636-435-8271  
ILLINOIS DESIGN FIRM LICENSE NO. 184-001115

*Brian Heil* 7/10/2020  
Date  
BRIAN HEIL, P.E.  
IL P.E. NO. 062-054934  
LICENSE E+PIPS 11-30-2021

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OF THE STATE OF ILLINOIS

**UTILITIES**

- ABOVE-GROUND UTILITY FACILITIES OR APPURTENANCES SHALL BE RELOCATED OR ADJUSTED BY THEIR RESPECTIVE OWNERS TO PROVIDE A MINIMUM HORIZONTAL CLEARANCE OF 1.5 FEET, MEASURED FROM THE FACE OF CURB TO THE NEAR EDGE OF THE OBJECT AND A MINIMUM HORIZONTAL CLEARANCE OF 32 INCHES ON ALL SIDEWALKS, MEASURED FROM THE EDGE OF WALK TO THE NEAR EDGE OF THE OBJECT.
- THE FOLLOWING UTILITY COMPANIES MAY HAVE FACILITIES LOCATED WITHIN THE LIMITS OF CONSTRUCTION WHICH MAY REQUIRE ADJUSTMENT, RELOCATION OR REMOVAL. REFER TO THE "STATUS OF UTILITIES TO BE ADJUSTED" SPECIAL PROVISION FOR ADDITIONAL INFORMATION.

AMEREN ILLINOIS\*  
 JOSH ZETER (ELECTRIC)  
 (618) 236-4309  
 KEN KELEHER (GAS)  
 (618) 530-0125

HARRISONVILLE TELEPHONE COMPANY (COMMUNICATIONS)\*  
 RANDY THRONE  
 213 SOUTH MAIN STREET, PO BOX 149  
 WATERLOO, IL 62298  
 (618) 939-9234

CHARTER COMMUNICATIONS (COMMUNICATIONS)\*  
 815 CHARTER COMMONS  
 TOWN & COUNTRY, MO 63017  
 (618) 779-4179

CITY OF COLUMBIA (WATER & SEWER)\*  
 TIM AHRENS  
 110 WEST SAND BANK ROAD  
 COLUMBIA, IL 62236  
 (618) 281-4264

MEMBERS OF J.U.L.I.E. CALL TOLL FREE 800-892-0123 OR 811 AND ARE INDICATED BY A (\*), NON J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.

**GENERAL**

- THE CONTRACTOR SHALL CONTACT THE CITY'S FIRE AND POLICE DEPARTMENTS 48 HOURS IN ADVANCE OF ANY LANE RESTRICTIONS AT THE FOLLOWING SHARED PHONE NUMBER: 618-281-5151
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO ORDERING MATERIALS AND COMMENCING CONSTRUCTION.
- THE CONTRACTOR SHALL STAGE ALL WORK IN SUCH A WAY AS TO MAINTAIN INGRESS AND EGRESS TO ALL ABUTTING PROPERTIES AT ALL TIMES DURING CONSTRUCTION. AGGREGATE FOR TEMPORARY ACCESS WILL BE MEASURED FOR PAYMENT AS SPECIFIED IN THE CONTRACT. THE COST OF ALL OTHER MATERIALS REQUIRED AND ALL OTHER LABOR NECESSARY TO COMPLY WITH THIS PROVISION WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL CONTACT THE LOCAL POSTMASTER FOR APPROVAL OF ALL TEMPORARY MAILBOX LOCATIONS. THE COST OF ALL MATERIALS REQUIRED AND ALL LABOR NECESSARY TO COMPLY WITH THIS PROVISION WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT.
- THE CONTRACTOR SHALL CONFINE ALL OPERATIONS TO THE CONSTRUCTION LIMITS LINE SHOWN ON THE PLANS. ANY AREA DISTURBED BEYOND THESE LIMITS SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL FERTILIZE, SEED AND MULCH ALL EARTH SURFACES DISTURBED BY CONSTRUCTION. FERTILIZER, SEEDING AND MULCH WITHIN THE CONSTRUCTION LIMITS WILL BE PAID FOR AS PROVIDED IN THE CONTRACT. FERTILIZER, SEEDING AND MULCH OUTSIDE THESE LIMITS WILL NOT BE MEASURED FOR PAYMENT. SEE THE SEEDING SCHEDULE FOR ESTIMATED PLAN QUANTITIES.
- ALL EXISTING ROADWAY FEATURES INCLUDING, BUT NOT LIMITED TO, PAVEMENT, CURB, SIDEWALK, DRIVEWAY PAVEMENT, HEADWALLS, RIPRAP, FENCING, RETAINING WALLS, WHICH INTERFERE WITH THE PROPOSED CONSTRUCTION SHALL BE REMOVED BY THE CONTRACTOR UNLESS NOTED OTHERWISE ON THE PLANS. ALL FEATURES WHICH ARE TO BE REMOVED AND FOR WHICH THERE IS NO SPECIFIC PAY ITEM, WILL NOT BE MEASURED SEPARATELY FOR PAYMENT AND THE COST OF THIS REMOVAL WORK SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE FOR EARTH EXCAVATION.

**EARTHWORK**

- EARTH EXCAVATION INCLUDES THE REMOVAL OF THE EXISTING BITUMINOUS (OIL & CHIP) ROADWAY SURFACE AND AGGREGATE BASE. THE CONTRACTOR MAY INCORPORATE THESE MATERIALS INTO THE PROPOSED EMBANKMENT. SURPLUS AND/OR UNSUITABLE MATERIAL SHALL BE DISPOSED OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION."
- PRIOR TO STARTING EARTHWORK OPERATIONS IN AREAS THAT DO NOT REQUIRE EXCAVATION, THE EXISTING BITUMINOUS (OIL & CHIP) ROADWAY SURFACE SHALL BE SCARIFIED OR BROKEN BY MECHANICAL MEANS, REDUCING ALL PARTICLES TO A SIZE NOT LARGER THAN 4 INCHES IN THE LARGEST DIMENSION. THE COST OF THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE FOR EARTH EXCAVATION.

**PAVING**

- THE CONTRACTOR SHALL NOTE THE LOCATION OF ALL MANHOLE AND VALVE COVER FRAMES AND LIDS LOCATED WITHIN RESURFACING LIMITS. APPROPRIATE CARE SHALL BE TAKEN TO PROTECT THESE ITEMS DURING MILLING OPERATIONS.
- CONCRETE USED FOR THE CONSTRUCTION OF PCC PAVEMENT AND PCC DRIVEWAY PAVEMENT SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3500 PSI AFTER 3 DAYS. THE COST OF THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE FOR THE VARIOUS PCC PAVEMENT AND PCC DRIVEWAY PAVEMENT ITEMS INCLUDED IN THE CONTRACT.

- THE THICKNESS OF THE HOT-MIX ASPHALT MIXTURES 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 MIXTURES ARE PLACED.
- ALL PATCHING SHALL BE COMPLETED PRIOR TO HOT-MIX ASPHALT SURFACE REMOVAL.
- AT VARIOUS LOCATIONS, IT MAY BE NECESSARY TO TRANSITION PROPOSED COMBINATION CONCRETE CURB AND GUTTER TO MEET EXISTING CURBS OR GUTTERS. THE MINIMUM LENGTH OF TRANSITIONAL COMBINATION CURB AND GUTTER SHALL BE 15 FEET, UNLESS DIRECTED OTHERWISE BY THE ENGINEER.

**DRAINAGE**

- STORM SEWER INVERTS SHOWN ON THE PLANS HAVE BEEN CALCULATED TO THE CENTER OF THE STRUCTURE. THE STORM SEWER SLOPES SHOWN ON THE PLANS ARE THE PERCENT GRADE FROM CENTER TO CENTER OF STRUCTURE. THE LENGTH OF STORM SEWERS SHOWN ON THE PLANS IS THE DISTANCE FROM CENTER TO CENTER OF STRUCTURE. STORM SEWER WILL BE MEASURED AND PAID FOR AS SPECIFIED IN ARTICLES 550.09 AND 550.10 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION." FLARED END SECTIONS ARE LOCATED BY STATION, OFFSET AND FLOWLINE ELEVATION AT THE FLARED END OF THE FLARED END SECTION.
- THE OFFSETS TO ALL INLETS AND MANHOLES ARE GIVEN TO THE CENTER OF THE OPENING AT THE BASE OF THE FRAME AND GRATE OR LID. CONCENTRIC DRAINAGE STRUCTURES WERE ASSUMED WHEN CALCULATING THESE DIMENSIONS.
- ALL TYPE 3 FRAMES AND GRATES SHALL BE FURNISHED BY THE CONTRACTOR WITH TYPE 3 GRATES AND OPEN CURB BOXES. SEE HIGHWAY STANDARD 604011 AND THE SPECIAL PROVISIONS FOR DETAILS.
- THE CONTRACTOR SHALL INCLUDE THE COST OF MAKING CONNECTIONS TO EXISTING DRAINAGE STRUCTURES IN THE CONTRACT UNIT PRICE FOR THE STORM SEWER ITEMS INVOLVED.
- ALL DRAINAGE STRUCTURES CONSTRUCTED, ADJUSTED OR RECONSTRUCTED UNDER THE CONTRACT, SHALL BE CLEANED OF ANY ACCUMULATION OF SILT, DEBRIS OR FOREIGN MATTER AT THE END OF EACH WORKING DAY AND AT THE TIME OF FINAL INSPECTION. THE COST OF THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE FOR THE VARIOUS DRAINAGE STRUCTURE ITEMS INCLUDED IN THE CONTRACT.

**PAVEMENT MARKING**


- THE CONTRACTOR SHALL APPLY SHORT-TERM OR TEMPORARY PAVEMENT MARKINGS TO THE MILLED AND EACH HOT-MIX ASPHALT LAYER. A QUANTITY FOR SHORT-TERM PAVEMENT MARKING EQUAL TO THE AMOUNT OF PERMANENT PAVEMENT MARKING TIMES THE NUMBER OF REQUIRED APPLICATIONS HAS BEEN INCLUDED IN THE PLANS. ONLY THE FINAL APPLICATION OF SHORT-TERM PAVEMENT MARKINGS SHALL BE REMOVED.
- THE PAVEMENT MARKING LOCATIONS SHOWN IN THE PLANS ARE APPROXIMATE. PROPOSED CROSSWALKS AND STOP BARS SHALL BE ADJUSTED AS DIRECTED BY THE ENGINEER, IF NECESSARY, TO MATCH FIELD CONDITIONS.

**APPROXIMATE QUANTITIES, SYMBOLS & ABBREVIATIONS**

- THE FOLLOWING ITEMS AND APPROXIMATE QUANTITIES ARE INCLUDED IN THE "SUMMARY OF QUANTITIES" IN ORDER TO ESTABLISH A UNIT COST FOR WORK WHICH MAY BE REQUIRED TO CONSTRUCT THIS SECTION. THE ACTUAL QUANTITY OF EACH ITEM SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

AGGREGATE FOR TEMPORARY ACCESS	50	TON
WATER VALVES TO BE ADJUSTED	2	EACH
WATER MAIN REMOVAL, 10"	120	FOOT

- THE FOLLOWING SYMBOLS, ABBREVIATIONS AND PATTERNS SUPPLEMENT OR SUPERCEDE HIGHWAY STANDARD 000001:

	FLARED END SECTION
BO	BY OTHERS (USED IN CONJUNCTION WITH TBA & TBR)
CONST	CONSTRUCTION
CP	CONTROL POINT
ELEV	ELEVATION
INCDTL	INCIDENTAL
K	LENGTH OF VERTICAL CURVE PER PERCENT GRADE DIFFERENCE
N/F	NOW OR FORMERLY
O/C	OIL AND CHIP
PVI	POINT OF VERTICAL INTERSECTION
TBA	TO BE ADJUSTED
TBRL	TO BE RELOCATED
DND	DO NOT DISTURB
TYP	TYPICAL
W	WIDTH
ME	MATCH EXISTING

**COMMITMENTS**

NONE

**EMERGENCY CONTACTS DURING LANE CLOSURE**

COLUMBIA EMS KIM LAMPRECHT (618) 281-4163	COLUMBIA FIRE DEPARTMENT MIKE ROEDIGER (618) 281-6688 x432	COLUMBIA POLICE DEPARTMENT JERRY PAUL (618) 281-6616 x445
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PLOT DATE = 7/10/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES AND COMMITMENTS**

SCALE: N/A SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9311	18-00054-00-R5	MONROE	38	2
CONTRACT NO. 97737			ILLINOIS FED. AID PROJECT	

SI	SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY
	*	20200100	EARTH EXCAVATION	CU YD	745
	*	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	47
	*	20400800	FURNISHED EXCAVATION	CU YD	1,485
	*	20800150	TRENCH BACKFILL	CU YD	723
*	*	25000210	SEEDING, CLASS 2A	ACRE	1.5
*		25000400	NITROGEN FERTILIZER NUTRIENT	POUND	136
*		25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	136
*		25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	136
*		25100115	MULCH, METHOD 2	ACRE	1.5
*		25100630	EROSION CONTROL BLANKET	SQ YD	35
		28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	300
		28000305	TEMPORARY DITCH CHECKS	FOOT	10
		28000400	PERIMETER EROSION BARRIER	FOOT	4,017
		28000500	INLET AND PIPE PROTECTION	EACH	11

SI	SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY
		28100107	STONE RIPRAP, CLASS A4	SQ YD	286
		28200200	FILTER FABRIC	SQ YD	286
		35100300	AGGREGATE BASE COURSE, TYPE A 4"	SQ YD	1,112
		35100500	AGGREGATE BASE COURSE, TYPE A 6"	SQ YD	2,566
		35102400	AGGREGATE BASE COURSE, TYPE B 12"	SQ YD	186
		35400200	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 7"	SQ YD	139
		40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	50
		40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	2,983
		40600990	TEMPORARY RAMP	SQ YD	37
		40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	708
		40604052	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70	TON	627
		40604090	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N30	TON	234
		40800029	BITUMINOUS MATERIALS (TACK COAT)	POUND	131
		40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	43

NOTES: SP - SEE PROJECT SPECIFIC SPECIAL PROVISIONS  
SI - SPECIALTY ITEM

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9311	18-000-54-00-RS	MONROE	38	3
CONTRACT NO. 97737			ILLINOIS FED. AID PROJECT	

SI	SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY
		42000201	PORTLAND CEMENT CONCRETE PAVEMENT 7" (JOINTED)	SQ YD	195
		42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	80
		42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	89
		42400400	PORTLAND CEMENT CONCRETE SIDEWALK 7 INCH	SQ FT	196
	*	42400800	DETECTABLE WARNINGS	SQ FT	60
		44000100	PAVEMENT REMOVAL	SQ YD	192
		44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	2,510
		44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	120
		44000600	SIDEWALK REMOVAL	SQ FT	72
	*	44200128	PAVEMENT PATCHING, TYPE I, 11 INCH	SQ YD	3
	*	44200132	PAVEMENT PATCHING, TYPE II, 11 INCH	SQ YD	17
	*	44200136	PAVEMENT PATCHING, TYPE III, 11 INCH	SQ YD	66
	*	44200138	PAVEMENT PATCHING, TYPE IV, 11 INCH	SQ YD	100
		44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	3,448

SI	SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY
		48100500	AGGREGATE SHOULDERS, TYPE A 6"	SQ YD	996
		48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	831
		54001001	BOX CULVERT END SECTIONS, CULVERT NO. 1	EACH	4
		54010707	PRECAST CONCRETE BOX CULVERTS 7' X 7'	FOOT	192
		54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	1
		54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	1
		54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	1
		54216089	REINFORCED CONCRETE PIPE TEE, 15" PIPE WITH 8" RISER	EACH	1
		550A2320	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	FOOT	518
		550A2330	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 15"	FOOT	604
		550A2340	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 18"	FOOT	46
		56109210	WATER VALVES TO BE ADJUSTED	EACH	2
		60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3
	*	60235700	INLETS, TYPE A, TYPE 3 FRAME AND GRATE	EACH	5

NOTES: SP - SEE PROJECT SPECIFIC SPECIAL PROVISIONS  
SI - SPECIALTY ITEM

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	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.U. RTE. 9311	SECTION 18-000-54-00-RS	COUNTY MONROE	TOTAL SHEETS 38	SHEET NO. 4
CONTRACT NO. 97737			ILLINOIS FED. AID PROJECT	



SI	SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY
	*	60240220	INLETS, TYPE B, TYPE 3 FRAME AND GRATE	EACH	6
		60255500	MANHOLES TO BE ADJUSTED	EACH	2
		60600095	CLASS SI CONCRETE (OUTLET)	CU YD	3.1
		60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	1,750
		63200310	GUARDRAIL REMOVAL	FOOT	104
		67100100	MOBILIZATION	L SUM	1
		70300100	SHORT TERM PAVEMENT MARKING	FOOT	1,050
		70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	118
		70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	7,103
		70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	164
*		72000100	SIGN PANEL - TYPE 1	SQ FT	31.0
		72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	4
*		72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	1
*		72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	102

SI	SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY
*		78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	7,103
*		78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	20
*		78001180	PAINT PAVEMENT MARKING - LINE 24"	FOOT	144
*		78200020	CURB REFLECTORS	EACH	15
*		X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	2,900
*	*	X5610710	WATER MAIN REMOVAL, 10"	FOOT	120
*		X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1
*		X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	2,656
*	*	Z0036200	PAINT CURB	FOOT	585
*	*	Z0077900	WOOD POST AND RAIL FENCE	FOOT	72

NOTES: SP - SEE PROJECT SPECIFIC SPECIAL PROVISIONS  
SI - SPECIALTY ITEM

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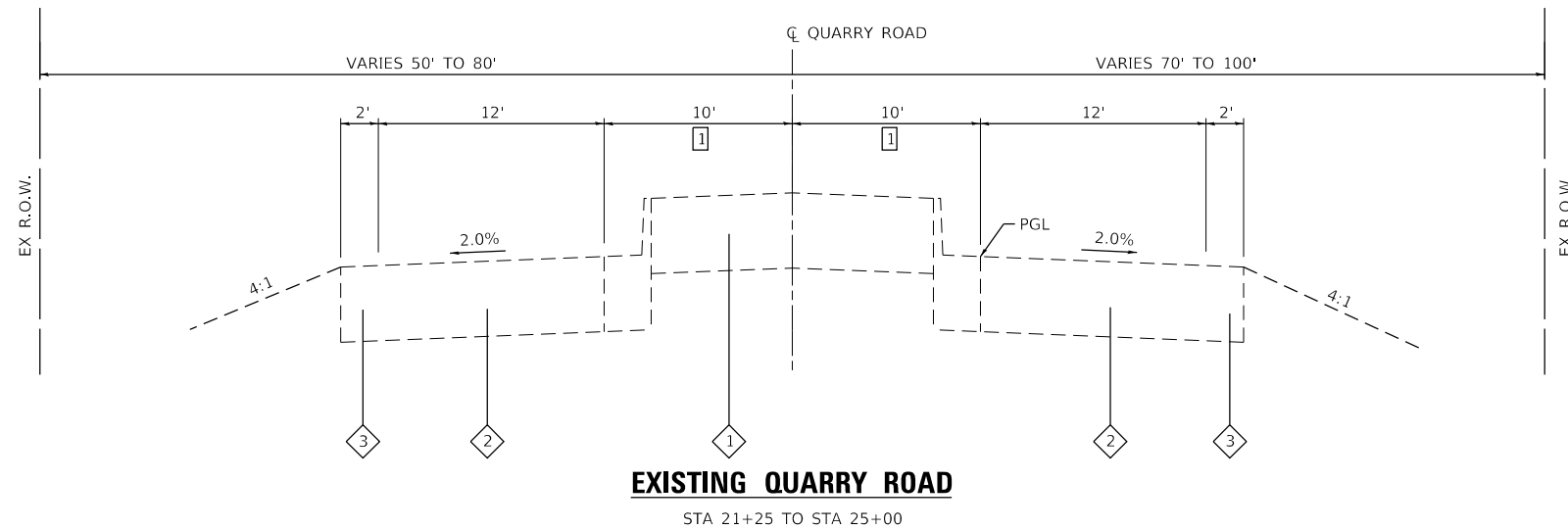
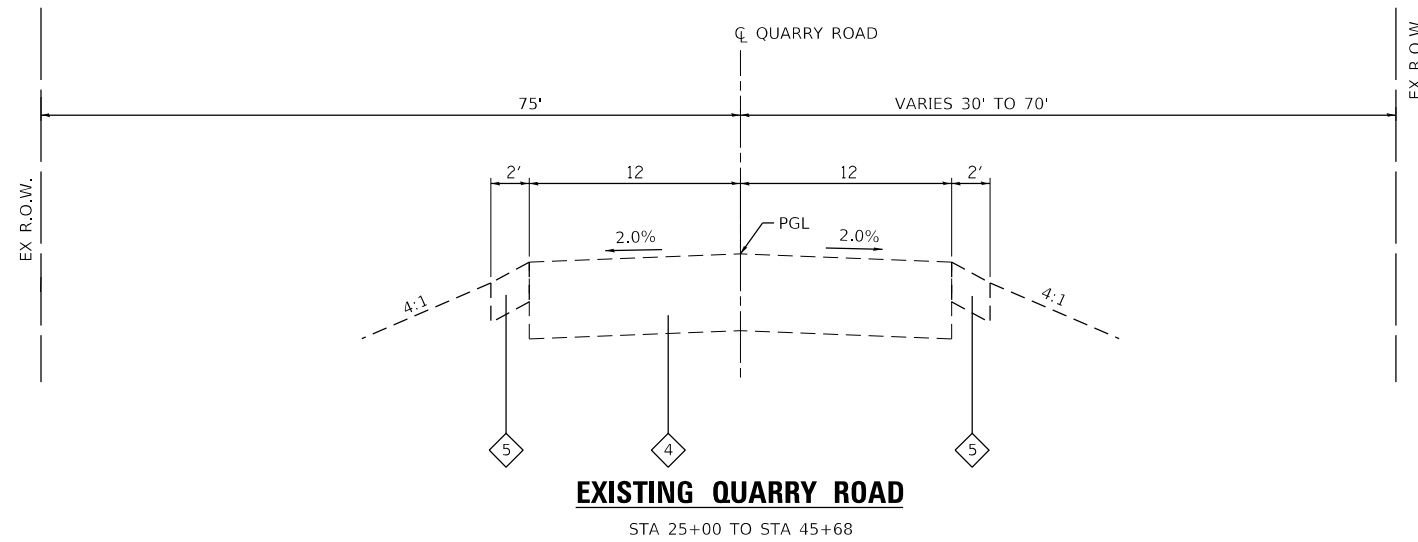
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9311	18-000-54-00-RS	MONROE	38	5
CONTRACT NO. 97737				
ILLINOIS FED. AID PROJECT				



**TYPICAL SECTION LEGEND**

- 1 EXISTING PORTLAND CEMENT CONCRETE RAISED MEDIAN, 11"
- 2 EXISTING HOT-MIX ASPHALT PAVEMENT, 11"
- 3 EXISTING HOT-MIX ASPHALT SHOULDER, 11"
- 4 EXISTING HOT-MIX ASPHALT WITH BITUMINOUS SURFACE TREATMENT, 11"
- 5 EXISTING AGGREGATE SHOULDER, 6"

**TYPICAL SECTION NOTES**

- 1 TRANSITIONS FROM 10' TO 0' FROM STA 21+25 TO STA 25+00

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

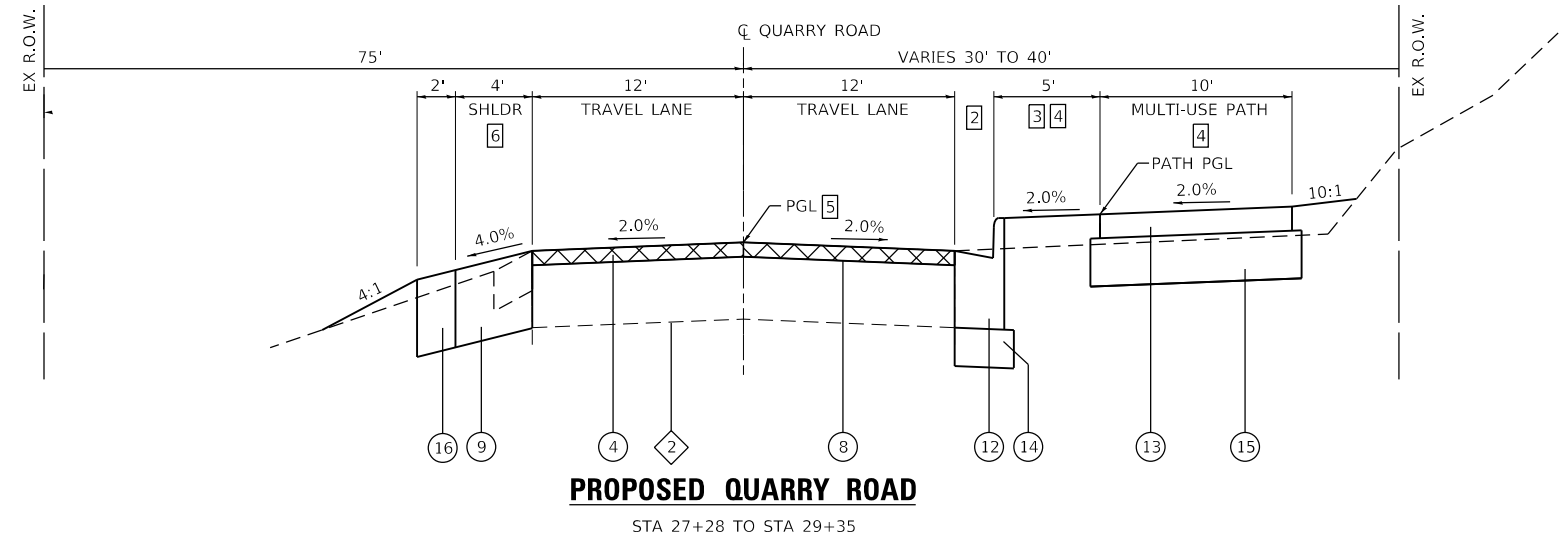
**TYPICAL SECTIONS**

SCALE: NTS    SHEET 1 OF 3 SHEETS    STA.    TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9311	18-00054-00-RS	MONROE	38	6
CONTRACT NO. 97737				
ILLINOIS FED. AID PROJECT				

**LEGEND**

 PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2"

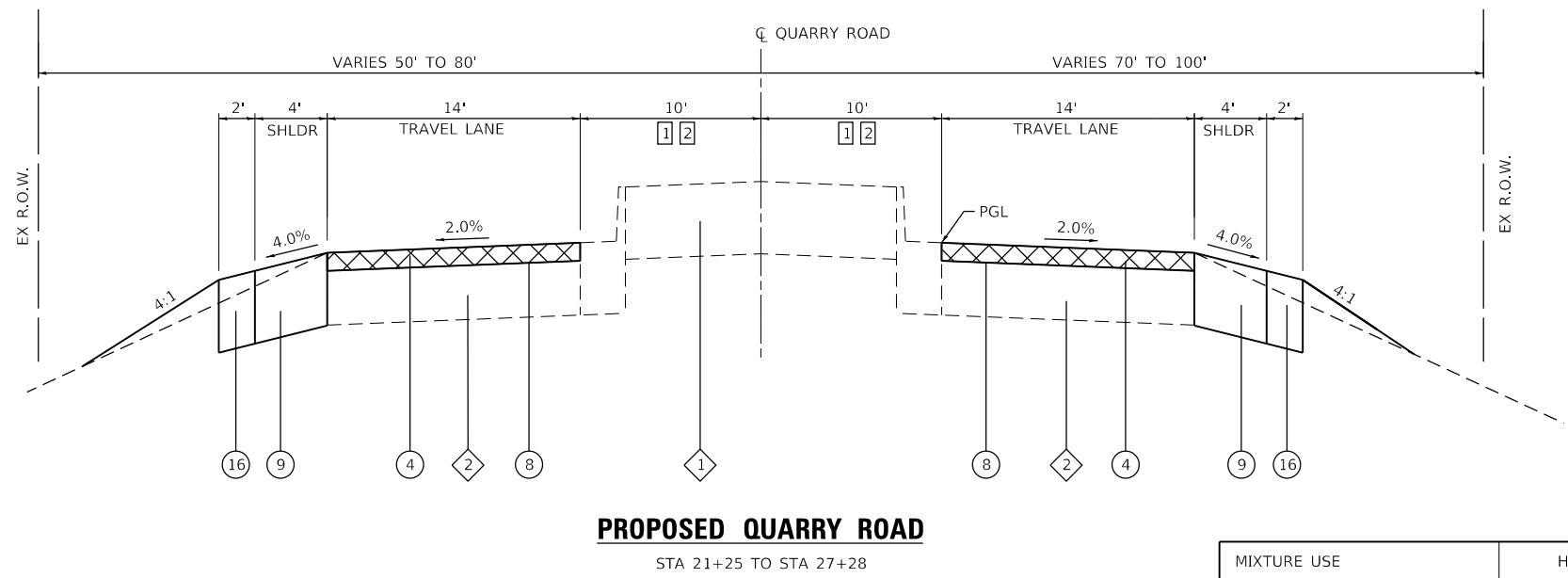


**TYPICAL SECTION LEGEND**

- ① EXISTING PORTLAND CEMENT CONCRETE RAISED MEDIAN, 11"
- ② EXISTING HOT-MIX ASPHALT PAVEMENT, 11"
- ③ EXISTING HOT-MIX ASPHALT PAVEMENT WITH BITUMINOUS SURFACE TREATMENT, 11"
- ④ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, IL 9.5, MIX "C", N70, 2"
- ⑤ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
- ⑥ PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N70 (2.25" MIN)
- ⑦ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, IL 9.5, MIX "C", N70, 1.5"
- ⑧ PROPOSED BITUMINOUS MATERIALS, TACK COAT
- ⑨ PROPOSED HOT-MIX ASPHALT SHOULDERS, 8"
- ⑩ PROPOSED PCC BASE COURSE WIDENING, 7"
- ⑪ PROPOSED STRIP REFLECTIVE CRACK CONTROL
- ⑫ PROPOSED CONCRETE CURB & GUTTER, TYPE B-6.24
- ⑬ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, IL 9.5, MIX "C", N30, 2"
- ⑭ PROPOSED AGGREGATE BASE COURSE, TYPE A, 4"
- ⑮ PROPOSED AGGREGATE BASE COURSE, TYPE A, 6"
- ⑯ PROPOSED AGGREGATE SHOULDERS, TYPE A 6"

**TYPICAL SECTION NOTES**

- ① TRANSITIONS FROM 10' TO 0' FROM STA 21+25 TO STA 25+00
- ② RAISED MEDIAN ENDS AT STA 25+80
- ③ TRAIL OFFSET VARIES FROM STA. 27+28 TO STA. 27+85. SEE PLAN SHEETS FOR TRAIL LOCATION.
- ④ CROSS SLOPE TRANSITIONS FROM 2.0% TOWARDS ROAD TO 2.0% AWAY FROM ROAD FROM STA. 29+00 TO STA 29+35.
- ⑤ VERTICAL PROFILE TRANSITIONS FROM 2" ASPHALT MILLING AND RESURFACING TO 1.5" SURFACE COURSE & 2.5" BINDER COURSE AT A TAPER RATE OF 240:1 FROM STA 28+35 TO STA 29+35
- ⑥ SHOULDER DIMENSIONS CHANGE TO 2' HMA AND 4' AGGREGATE AT STA. 25+66



**MIXTURES TABLE**

MIXTURE USE	HMA ROAD SURFACE	HMA MULTI-USE PATH SURFACE	BINDER COURSE	INCIDENTAL HMA SURFACE
THICKNESS	1.5" STA 27+28 TO STA 45+68 2" STA 21+25 TO STA 27+28	2"	VARIES 2.25"-8"	VARIES 2"-6"
AC/PG	PG 64-22	PG 64-22	PG 64-22	PG 64-22
RAP % (MAX)	SEE BDE SPECIAL PROVISIONS	SEE BDE SPECIAL PROVISIONS	SEE BDE SPECIAL PROVISIONS	SEE BDE SPECIAL PROVISIONS
DESIGN AIR VOIDS	4.0% @ Ndes=70	4.0% @ Ndes=30	4.0% @ Ndes=70	4.0% @ Ndes=70
MIX COMPOSITION	IL 9.5	IL 9.5L	IL 19.0	IL 9.5
FRICION AGG	MIXTURE "C"	MIXTURE "C"	N/A	MIXTURE "B"

NOTES:  
See Article 1030 of IDOT Spec book

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS**

SCALE: NTS    SHEET 2 OF 3 SHEETS    STA.    TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9311	18-00054-00-RS	MONROE	38	7
			CONTRACT NO. 97737	
		ILLINOIS FED. AID PROJECT		

**LEGEND**

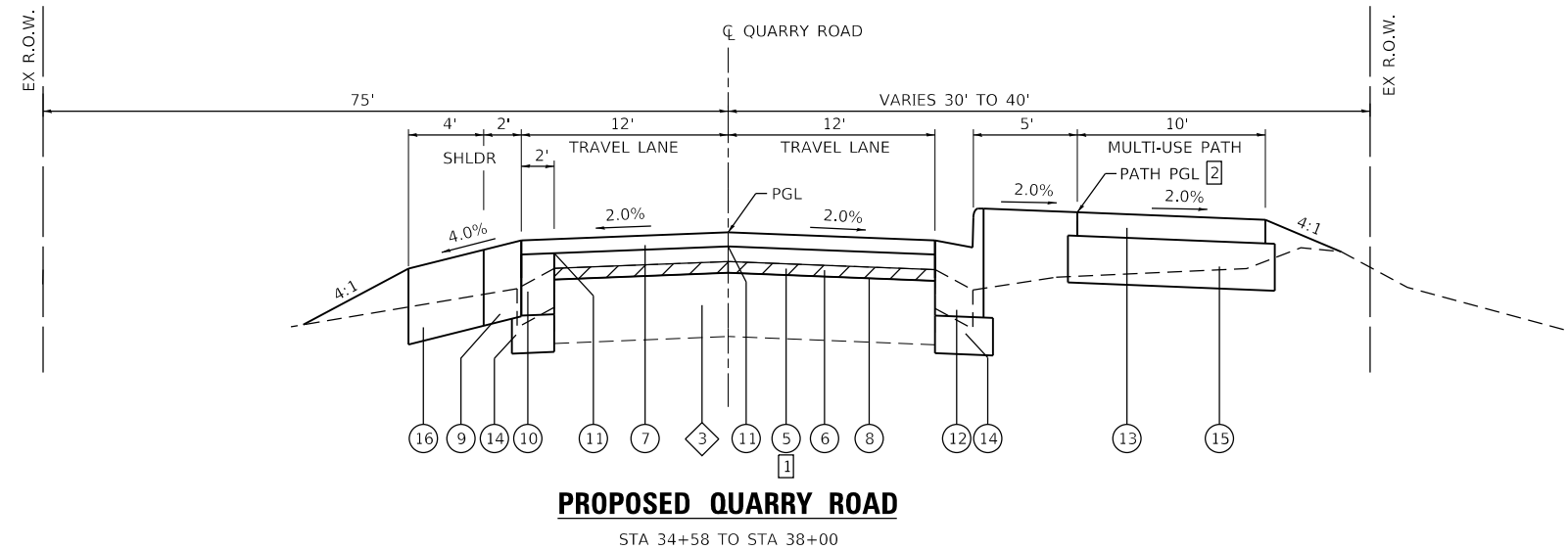
 PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH

**TYPICAL SECTION LEGEND**

- ① EXISTING PORTLAND CEMENT CONCRETE RAISED MEDIAN, 11"
- ② EXISTING HOT-MIX ASPHALT PAVEMENT, 11"
- ③ EXISTING HOT-MIX ASPHALT PAVEMENT WITH BITUMINOUS SURFACE TREATMENT, 11"
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- ⑤ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
- ⑥ PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N70 (2.25" MIN)
- ⑦ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, IL 9.5, MIX "C", N70, 1.5"
- ⑧ PROPOSED BITUMINOUS MATERIALS, TACK COAT
- ⑨ PROPOSED HOT-MIX ASPHALT SHOULDERS, 8"
- ⑩ PROPOSED PCC BASE COURSE WIDENING, 7"
- ⑪ PROPOSED STRIP REFLECTIVE CRACK CONTROL
- ⑫ PROPOSED CONCRETE CURB & GUTTER, TYPE B-6.24
- ⑬ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, IL 9.5, MIX "C", N30, 2"
- ⑭ PROPOSED AGGREGATE BASE COURSE, TYPE A, 4"
- ⑮ PROPOSED AGGREGATE BASE COURSE, TYPE A, 6"
- ⑯ PROPOSED AGGREGATE SHOULDERS, TYPE A 6"

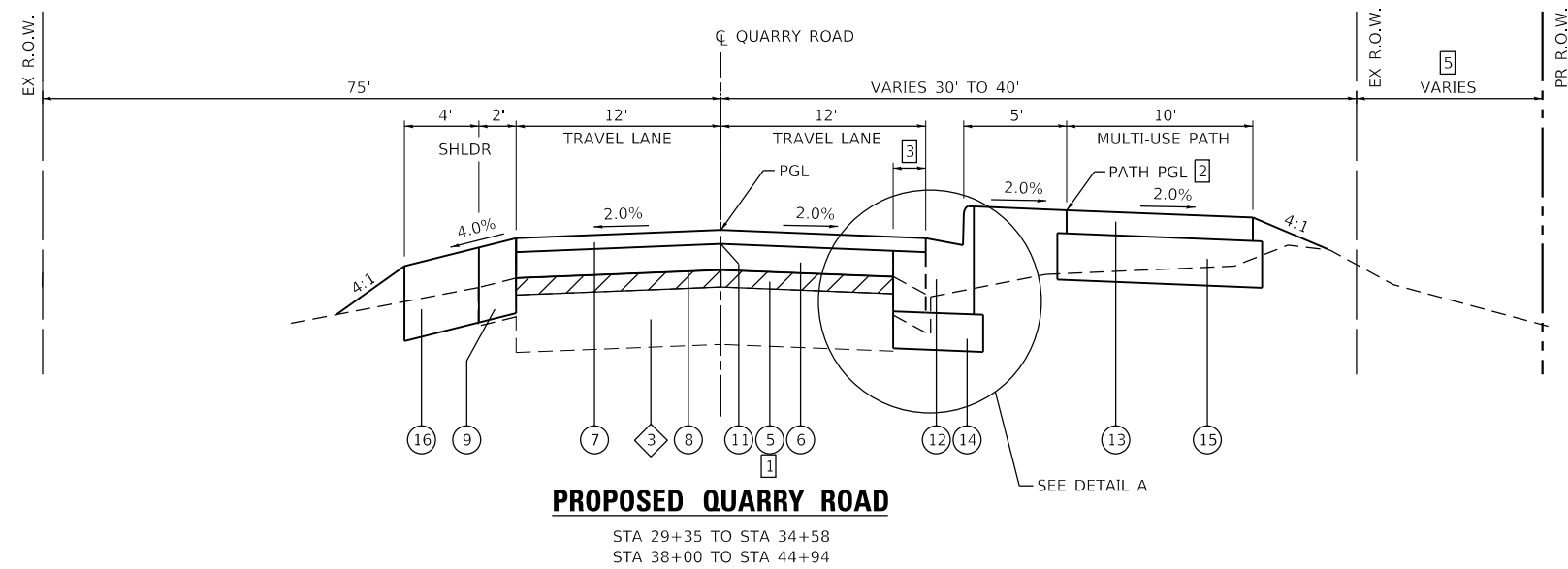
**TYPICAL SECTION NOTES**

- ① VARIABLE DEPTH MILLING VARIES 0" TO 7" FROM STA. 33+50 TO 43+50
- ② MULTI-USE PATH PGL ELEVATIONS ARE EQUAL TO THE QUARRY ROAD PGL
- ③ PCC BASE COURSE WIDENING VARIES FROM 0' TO 2'
- ④ CONTRACTOR MAY POUR MONOLITHIC
- ⑤ PROPOSED RIGHT-OF-WAY DIMENSIONS OFFSET FROM EXISTING RIGHT-OF-WAY LINE:  
 STA. 38+35 TO STA. 40+50 - 15'  
 STA. 40+50 TO STA. 41+25 - 70'  
 STA. 41+25 TO STA. 45+00 - 22'



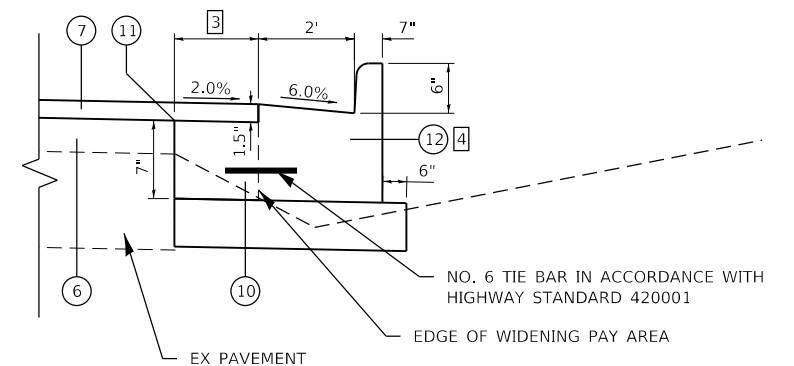
**PROPOSED QUARRY ROAD**

STA 34+58 TO STA 38+00



**PROPOSED QUARRY ROAD**

STA 29+35 TO STA 34+58  
 STA 38+00 TO STA 44+94



**DETAIL A**

PCC BASE COURSE WIDENING &  
 COMB CONC CURB TYPE B-6.24

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9311	18-00054-00-R5	MONROE	38	8
ILLINOIS FED. AID PROJECT			CONTRACT NO. 97737	



**SIGN**

STATION	OFFSET	TYPE	DESCRIPTION	SIZE (IN X IN)	SIGN PANEL T1 (SQ FT)	REMOV SIN PAN ASSY TA (EACH)	RELOC SIN PAN ASSY TA (EACH)	TELES STL SIN SUPPORT (FOOT)	COMMENTS
25+36	LT	D3-1	STREET NAME	9X18	1.25	1		15.5	PALMER ROAD
26+00	LT	R1-1	STOP	30X30	6.25	1		15.5	
27+00	RT	R2-1	EX SPEED LIMIT 40	24X30			1		
27+52	RT	R1-1	STOP (BICYCLE)	18X18	2.25			8.5	
29+06	RT	W3-1	STOP AHEAD (BICYCLE)	18X18	2.25			15.0	7' TO BOTTOM OF W3-1
34+09	RT	D3-1	STREET NAME	9X18	1.50	1		15.5	GEDERN DRIVE
34+87	RT	R1-1	STOP	30X30	6.25	1		15.5	
34+20	RT	W11-5	BICYCLE - PEDESTRIAN	30X30	6.25			16.5	
		W11-15P	TRAIL CROSSING	24X18	3.00				
		W16-9P	AHEAD	24X12	2.00				
<b>TOTAL:</b>					<b>31.0</b>	<b>4</b>	<b>1</b>	<b>102</b>	

**SIGN NOTES:**

- SEE SIGNAGE & PAVEMENT MARKING SHEETS FOR ADDITIONAL INFORMATION.
- PLACE STREET NAME SIGNS ABOVE STOP SIGN ON POSTS

**PAVEMENT PATCHING**

STATION	STATION	OFFSET	REM & DIS UNS MATL (CU YD)	AGG BASE CSE B 12 (SY YD)	PAVT PATCH T1 11 (SQ YD)	PAVT PATCH T2 11 (SQ YD)	PAVT PATCH T3 11 (SQ YD)	PAVT PATCH T4 11 (SQ YD)
24+27	24+30	RT	2	5		5		
24+43	24+51	RT	3	7		7		
25+05	25+09	RT	1	2	2			
25+16	25+19	LT	1	1	1			
28+78	28+87	LT	2	5		5		
35+15	35+45	LT	14	40				40
38+00	38+20	RT	8	22			22	
40+00	40+20	RT	8	22			22	
40+76	41+03	LT		30				30
40+76	41+03	RT		30				30
42+00	42+20	LT	8	22			22	
<b>TOTAL</b>			<b>47</b>	<b>186</b>	<b>3</b>	<b>17</b>	<b>66</b>	<b>100</b>

**CURB & GUTTER**

STATION	STATION	OFFSET	CLASS SI CONC OUTLET (CU YD)	COMB CC&G TB6.24 (NOTE 1) (FOOT)
27+20	27+53	RT	3.1	
27+53	34+38	RT		705
34+74	44+94	RT		1,045
35+73		RT		
<b>TOTAL</b>			<b>3.1</b>	<b>1,750</b>

**CURB & GUTTER NOTES:**

- AGG SUBBASE UNDER CURB SHOWN IN PAVEMENT SCHEDULE

**EROSION CONTROL**

STATION	STATION	OFFSET	EROSION CONTR BLANKET (SQ YD)	TEMPORARY DITCH CHECK (FOOT)	PERIMETER EROS BAR (FOOT)	INLET & PIPE PROTECTION (EACH)
21+25	27+00	RT			573	
21+25	23+56	LT			234	
23+84	25+34	LT			150	
26+06	32+06	LT			308	
27+00	29+28	RT			250	1
29+29	34+36	RT			555	3
32+43	40+37	LT			798	
34+85	40+50	RT			590	2
40+79	40+81	LT	15			
41+00	43+50	RT		10		
41+08	41+21	LT	20			
40+70	43+50	RT				5
43+50	44+94	RT			144	
41+59	44+94	LT			415	
<b>TOTAL</b>			<b>35</b>	<b>10</b>	<b>4,017</b>	<b>11</b>

**EARTHWORK**

STATION	STATION	EARTH EXCAVATION (CU YD)	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (NOTE 1) (CU YD)	EMBANKMENT (NOTE 2) (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (NOTE 3) (CU YD)	FURNISHED EXCAVATION (CU YD)
21+25	44+94	745	560	2,040	-1,485	1,485
<b>TOTAL</b>		<b>745</b>	<b>560</b>	<b>2,040</b>	<b>-1,485</b>	<b>1,485</b>

**EARTHWORK NOTES:**

- ESTIMATED SHRINKAGE FACTOR = 25%.
- APPROXIMATE EMBANKMENT QUANTITY IS SHOWN FOR INFORMATION ONLY.
- APPROXIMATE EARTHWORK BALANCE IS SHOWN FOR INFORMATION ONLY.

**SEEDING**

STATION	STATION	OFFSET	SEEDING CL 2A (ACRE)	NITROGEN FERT NUTR (POUND)	PHOSPHORUS FERT NUTR (POUND)	POTASSIUM FERT NUTR (POUND)	MULCH METHOD 2 (ACRE)	TEMP EROS SEEDING (NOTE 1) (POUND)
21+30	21+72	RT	0.1	9	9	9	0.1	20
22+00	23+31	LT	0.1	9	9	9	0.1	20
26+91	27+86	RT	0.1	5	5	5	0.1	10
27+75	29+51	RT	0.1	18	18	18	0.2	40
27+86	34+24	RT	0.1	9	9	9	0.1	20
29+00	32+08	LT	0.1	5	5	5	0.1	10
29+51	34+38	RT	0.1	9	9	9	0.1	20
32+50	40+08	LT	0.2	18	18	18	0.2	40
34+77	45+70	RT	0.1	9	9	9	0.1	20
35+00	45+71	RT	0.4	36	36	36	0.4	80
40+08	45+69	LT	0.1	9	9	9	0.1	20
<b>TOTAL</b>			<b>1.5</b>	<b>136</b>	<b>136</b>	<b>136</b>	<b>1.5</b>	<b>300</b>

**SEEDING NOTES:**

- THE QUANTITY FOR TEMPORARY EROSION CONTROL SEEDING ASSUMES TWO SEPARATE APPLICATIONS AT A RATE OF 100 POUNDS/ACRE PER APPLICATION. THE CONTRACTOR SHALL APPLY AS NECESSARY AND AS DIRECTED BY THE ENGINEER IN THE FIELD.

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SCALE: N/A SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9311	18-00054-00-R5	MONROE	38	9
CONTRACT NO. 97737			ILLINOIS FED. AID PROJECT	

**PAVEMENT MARKING**

STATION	STATION	OFFSET	DESCRIPTION	SHORT TERM PAVT MKNG (NOTE 1) (FOOT)	SHRT TRM PAVT MK REM (NOTE 1) (SQ FT)	TEMP PVT MK LINE 4 (NOTE 3) (FOOT)	TEMP PVT MK LINE 24 (NOTE 3) (FOOT)	THPL PVT MK LINE 4 (FOOT)	THPL PVT MK LINE 24 (FOOT)	PAINT PVT MK LINE 24 (FOOT)	CURB REFLECTORS (NOTE 2) (EACH)	TEMP PVT MK REMOV (NOTE 3) (SQ FT)	PAINT CURB (FOOT)
20+60	23+50	RT/LT	YELLOW										585
25+66		LT	PALMER ROAD STOP BAR				20		20				
21+25	25+00	RT/LT	YELLOW EDGE LINE			748		748				250	
21+25	25+50	LT	WHITE EDGE LINE	54	6	443		443				148	
21+25	34+17	RT/LT	WHITE EDGE LINE	252	28	2081		2081				693	
21+25	25+00	CL	CURB REFLECTORS								15		
25+00	25+80	CL	DOUBLE YELLOW TAPER			260		260				87	
25+80	45+68	CL	SKIP DASH YELLOW	375	42	497		497				166	
25+80	45+68	LT	WHITE EDGE LINE	240	27	1999		1999				666	
34+57		RT	GEDERN DR CROSS WALK & STOP BAR				144			144		288	
34+94	45+68	RT	WHITE EDGE LINE	129	15	1075		1075				358	
<b>TOTAL</b>				<b>1,050</b>	<b>118</b>	<b>7,103</b>	<b>164</b>	<b>7,103</b>	<b>20</b>	<b>144</b>	<b>15</b>	<b>2,656</b>	<b>585</b>

**PAVEMENT MARKING NOTES:**

1. QUANTITY REPRESENTS THREE APPLICATIONS AND REMOVAL WILL ONLY BE PAID FOR ON THE FINISH SURFACE
2. SEE STANDARD DETAIL 782001 FOR DETAILS. ALL REFLECTORS ARE TO BE AMBER
3. TEMPORARY PAVEMENT MARKINGS SHALL BE USED AT THE ENGINEER'S DISCRETION

**VARIABLE DEPTH MILLING**

STATION	PROP CL ELEV	EXIST CL ELEV	PGL RAISE AT CL (FT)	DEPTH OF MILLING AT CL (FT)
33+50	428.72	428.41	0.31	0.00
33+75	428.86	428.69	0.17	0.14
34+00	429.00	428.95	0.05	0.26
34+25	429.13	429.10	0.03	0.28
34+50	429.27	429.13	0.14	0.17
34+75	429.41	429.28	0.13	0.18
35+00	429.55	429.50	0.05	0.26
35+25	429.69	429.69	0.00	0.31
35+50	429.82	429.82	0.00	0.31
35+75	429.96	429.95	0.01	0.30
36+00	430.13	430.10	0.03	0.28
36+25	430.34	430.28	0.06	0.25
36+50	430.58	430.49	0.09	0.22
36+75	430.86	430.75	0.11	0.20
37+00	431.18	431.04	0.14	0.17
37+25	431.53	431.35	0.18	0.13
37+50	431.88	431.67	0.21	0.10
37+75	432.18	432.01	0.17	0.14
38+00	432.43	432.34	0.09	0.22
38+25	432.64	432.60	0.04	0.27
38+50	432.79	432.68	0.11	0.20
38+75	432.90	432.69	0.21	0.10
39+00	432.96	432.72	0.24	0.07
39+25	432.96	432.73	0.23	0.08
39+50	432.92	432.71	0.21	0.10
39+75	432.85	432.68	0.17	0.14
40+00	432.77	432.57	0.20	0.11
40+25	432.70	432.49	0.21	0.10
40+50	432.62	432.48	0.14	0.17
40+75	432.55	432.56	-0.01	0.32
41+00	432.49	432.71	-0.22	0.53
41+25	432.48	432.77	-0.29	0.60
41+50	432.51	432.68	-0.17	0.48
41+75	432.58	432.63	-0.05	0.36
42+00	432.70	432.67	0.03	0.28
42+25	432.85	432.86	-0.01	0.32
42+50	433.05	433.09	-0.04	0.35
42+75	433.29	433.31	-0.02	0.33
43+00	433.57	433.49	0.08	0.23
43+25	433.90	433.67	0.23	0.08
43+50	434.24	433.89	0.35	0.00

**MILLING NOTES:**

1. MINIMUM HMA OVERLAY IS 3.75"

**SIDEWALK AND MULTI-USE PATH**

STATION	STATION	OFFSET	AGG BASE CSE A 6 (SQ YD)	HMA SC IL-9.5 C N30 (NOTE 2 & 3) (TON)	SIDEWALK REMOVAL (SQ FT)	PCC DRIVEWAY PAVT 6 (SQ YD)	PC CONC SIDEWALK 4 (NOTE 1) (SQ FT)	PC CONC SIDEWALK 7 (NOTE 1) (SQ FT)	DETECTABLE WARNINGS (NOTE 1) (SQ FT)	GUARDRAIL REMOV (FOOT)	WOOD POST & RAIL FENCE (FOOT)
27+30	29+26	RT	276	26							
27+46	34+34	RT	913	85							
34+20	34+94	RT	14		72		89	196	60		
34+80	44+94	RT	1,363	123						52	72
35+73		RT				40					
38+00		RT				40					
40+82	41+35	LT								52	
<b>TOTAL</b>			<b>2,566</b>	<b>234</b>	<b>72</b>	<b>80</b>	<b>89</b>	<b>196</b>	<b>60</b>	<b>104</b>	<b>72</b>

**SIDEWALK NOTES:**

1. SIDEWALK RAMPS ACCESSIBLE TO THE DISABLED ARE REQUIRED. SEE PLAN SHEETS FOR LOCATIONS AND TYPES. SEE CONSTRUCTION DETAILS SHEET AND HIGHWAY STANDARD 424001 FOR CURB RAMP DETAILS.
2. APPLICATION RATES USED FOR QUANTITY ESTIMATES ARE AS FOLLOWS:  
HOT-MIX ASPHALT: 112 LBS/SQ YD/INCH THICKNES
3. THE PROPOSED SURFACE COURSE SHALL BE 2 IN. THICK.

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DESIGNED -  
DRAWN -  
CHECKED -  
DATE -

REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SCALE: N/A SHEET 2 OF 3 SHEETS STA. TO STA.

**SCHEDULES**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9311	18-00054-00-RS	MONROE	38	10
CONTRACT NO. 97737				
ILLINOIS FED. AID PROJECT				

**STORM SEWER**

STATION	STATION	OFFSET	TRENCH BACKFILL (CU YD)	STONE RIPRAP CL A4 (SQ YD)	FILTER FABRIC (SQ YD)	BOX CUL END SEC C1 (EACH)	PCBC 7X7 (FOOT)	PRC FLAR END SEC 12 (EACH)	PRC FLAR END SEC 15 (EACH)	PRC FLAR END SEC 18 (EACH)	R C PIPE TEE 15P 8R (EACH)	SS RG CL A 1 12 (FOOT)	SS RG CL A 1 15 (FOOT)	SS RG CL A 1 18 (FOOT)	MAN TA 4 DIA T1F CL (EACH)	INLETS TA T3F&G (EACH)	INLETS TB T3F&G (EACH)	MAN ADJUST (EACH)
26+56	28+00	RT	42	13	13				1				154		1			
28+00	28+00	RT	3									9				1		
28+00	30+00	RT	128								1		200					
30+00	30+00	RT	3									9				1		
30+00	32+00	RT	128										200			1		
31+04		RT																1
32+00	34+05	RT	79									205			1			
32+00	32+00	RT	3									9						
33+09		RT																1
34+00	34+05	RT	7									20				1		
34+05	34+92	RT	33									90			1		1	
34+92	36+30	RT	50									139				1		
40+69	40+70	RT	17					1				37					1	
40+90		RT		184	184	2												
40+90		LT		89	89	2												
40+90		LT/RT	179				192											
40+99	41+10	RT	35						1					46			1	
41+10	41+20	RT	6										10				1	
41+20	41+30	RT	6										10				1	
43+50	43+50	RT	4										30				1	
<b>TOTAL</b>			<b>723</b>	<b>286</b>	<b>286</b>	<b>4</b>	<b>192</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>518</b>	<b>604</b>	<b>46</b>	<b>3</b>	<b>5</b>	<b>6</b>	<b>2</b>

**PAVEMENT**

STATION	STATION	OFFSET	AGG BASE CSE A 4 (SQ YD)	PCC BASE CSE W 7 (SQ YD)	BIT MATLS TACK CT (NOTE 4) (POUND)	INCIDENTAL HMA SURF (TON)	HMA BC IL-19.0 N70 (TON)	TEMPORARY RAMP (SQ YD)	HMA SC IL-9.5 C N70 (NOTE 1) (TON)	BIT MATLS TACK CT (NOTE 5) (POUND)	PCC PVT 7 JOINTED (SQ YD)	PAVEMENT REM (NOTE 2) (SQ YD)	HMA SURF REM 2 (SQ YD)	DRIVE PAVEMENT REM (NOTE 3) (SQ YD)	STRIP REF CR CON TR (FOOT)	AGGREGATE SHLDS A 6 (SQ YD)	HMA SHOULDERS 8 (SQ YD)	HMA SURF REM VAR DP (SQ YD)
21+25	29+35	LT/RT						23	277	1,111			2,510					
21+25	25+31	LT			22	6										82	159	
21+25	27+29	RT														133	269	
26+02	32+02	LT			27	9										235	131	
27+48	34+66	RT	274	32											705			
29+35	44+94	LT/RT					708	14	350	1,872					1,633			
32+35		LT	121		82	28								120				
32+54	44+94	LT														546	272	
33+50	43+50	LT/RT																2,900
34+58		RT	232								195	192						
34+44	38+01	LT	99	79											342			
37+31	44+94	RT	386	28											768			
<b>TOTAL</b>			<b>1,112</b>	<b>139</b>	<b>131</b>	<b>43</b>	<b>708</b>	<b>37</b>	<b>627</b>	<b>2,983</b>	<b>195</b>	<b>192</b>	<b>2,510</b>	<b>120</b>	<b>3,448</b>	<b>996</b>	<b>831</b>	<b>2,900</b>

**PAVEMENT NOTES:**

- APPLICATION RATES USED FOR QUANTITY ESTIMATES ARE AS FOLLOWS:  
BITUMINOUS MATERIALS PRIME COAT (MILLED OR EXISTING PAVEMENT) : 0.05 LBS/SF  
BITUMINOUS MATERIALS PRIME COAT (HMA LIFT) : 0.025 LBS/SF  
HOT-MIX ASPHALT: 112 LBS /SY/ INCH THICKNESS
- MONOLITHIC CURB TO BE INCLUDED IN UNIT COST OF PAVEMENT REMOVAL
- HMA ROLLED CURB TO BE INCLUDED IN UNIT COST OF DRIVEWAY PAVEMENT REMOVAL
- TACK COAT FOR INCIDENTAL HMA SURFACING.
- TACK COAT FOR HMA SURFACE AND BINDER.

MODEL: Default  
FILE NAME: I:\18124 - Columbus Quarry 86\CADD\Microstation\CADD\_Sheets\0818124-5Rt-Schedule.dgn



USER NAME = b.heil  
DESIGNED -  
DRAWN -  
PLOT SCALE = 100,0000 ' / in.  
CHECKED -  
PLOT DATE = 7/10/2020  
DATE -

DESIGNED -  
DRAWN -  
CHECKED -  
DATE -

REVISED -  
REVISED -  
REVISED -  
REVISED -




**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

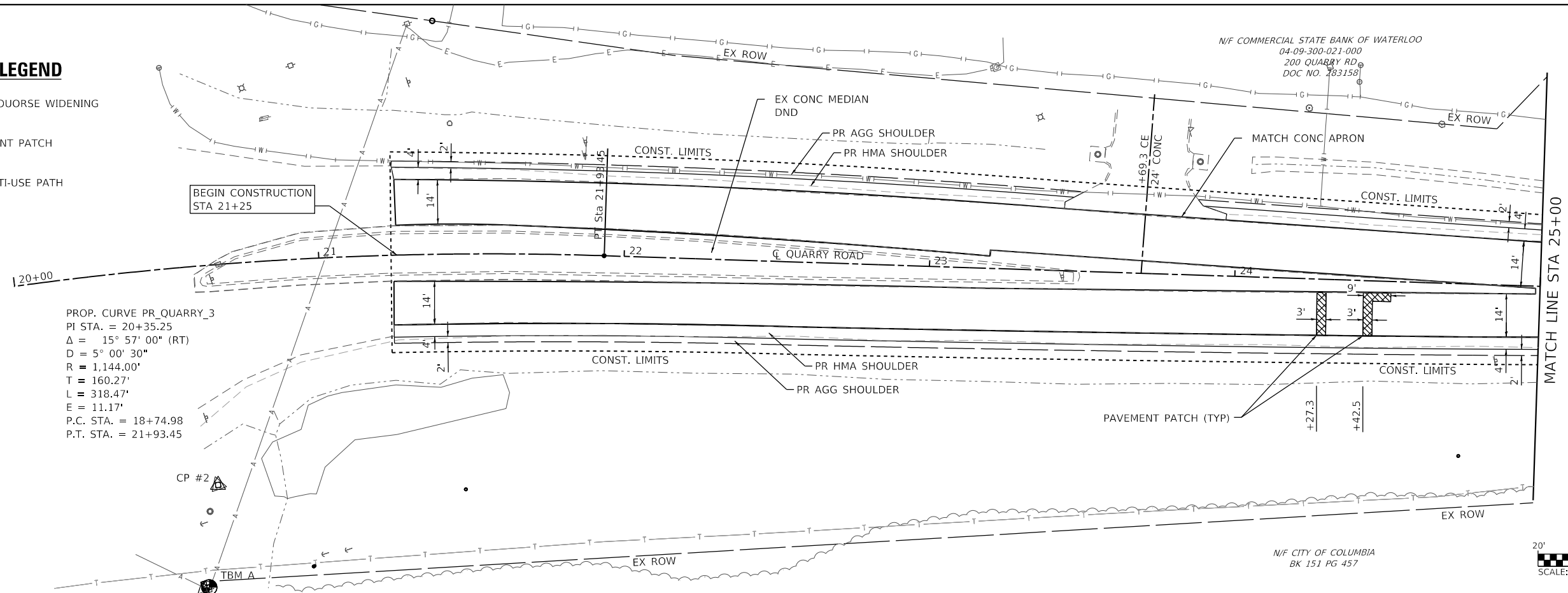
**SCHEDULES**

SCALE: N/A SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9311	18-00054-00-R5	MONROE	38	11
CONTRACT NO. 97737				
ILLINOIS		FED. AID PROJECT		

**PLAN SHEET LEGEND**

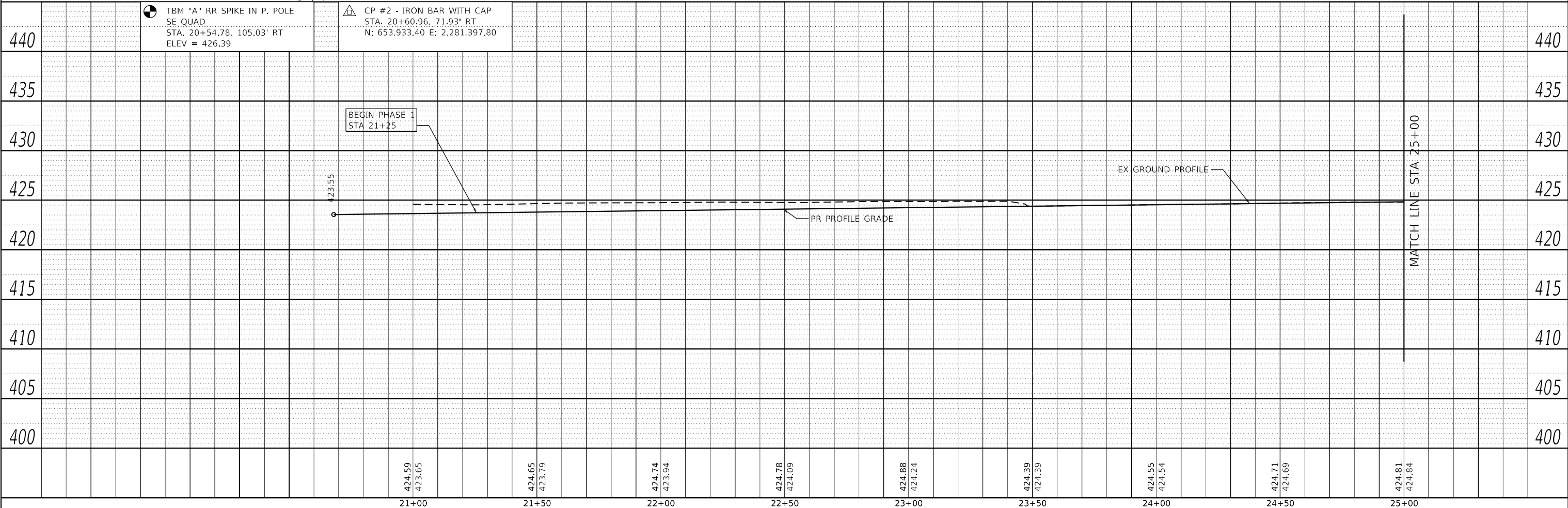
-  BASE COURSE WIDENING
-  PAVEMENT PATCH
-  PR MULTI-USE PATH



TBM "A" RR SPIKE IN P. POLE  
 SE QUAD  
 STA. 20+54.78, 105.03' RT  
 ELEV = 426.39

CP #2 - IRON BAR WITH CAP  
 STA. 20+60.96, 71.93' RT  
 N: 653,933.40 E: 2,281,397.80

BEGIN PHASE 1  
 STA 21+25



PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNMENT CHECKED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
NOTE BOOK NO.	CADD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
NOTE BOOK NO.	CADD FILE NAME	

MODEL: PHASE 1 PAGE 1  
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**OATES ASSOCIATES**  
 ILLINOIS DESIGN FIRM LICENSE NO.: 184,001115

USER NAME = b.heil	DESIGNED -	REVISED -
PLOT SCALE = 40,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 7/10/2020	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PLAN AND PROFILE SHEETS**

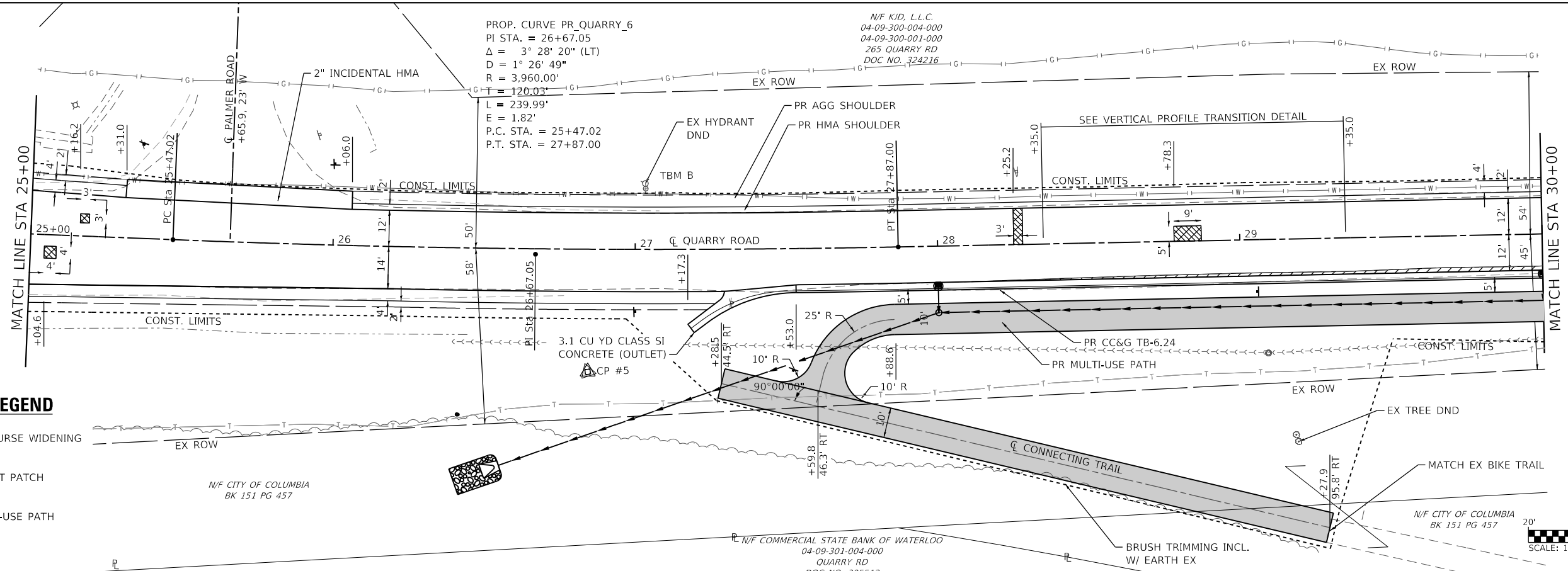
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9311	18-00054-00-R5	MONROE	38	12
				CONTRACT NO. 97737
		ILLINOIS	FED. AID PROJECT	

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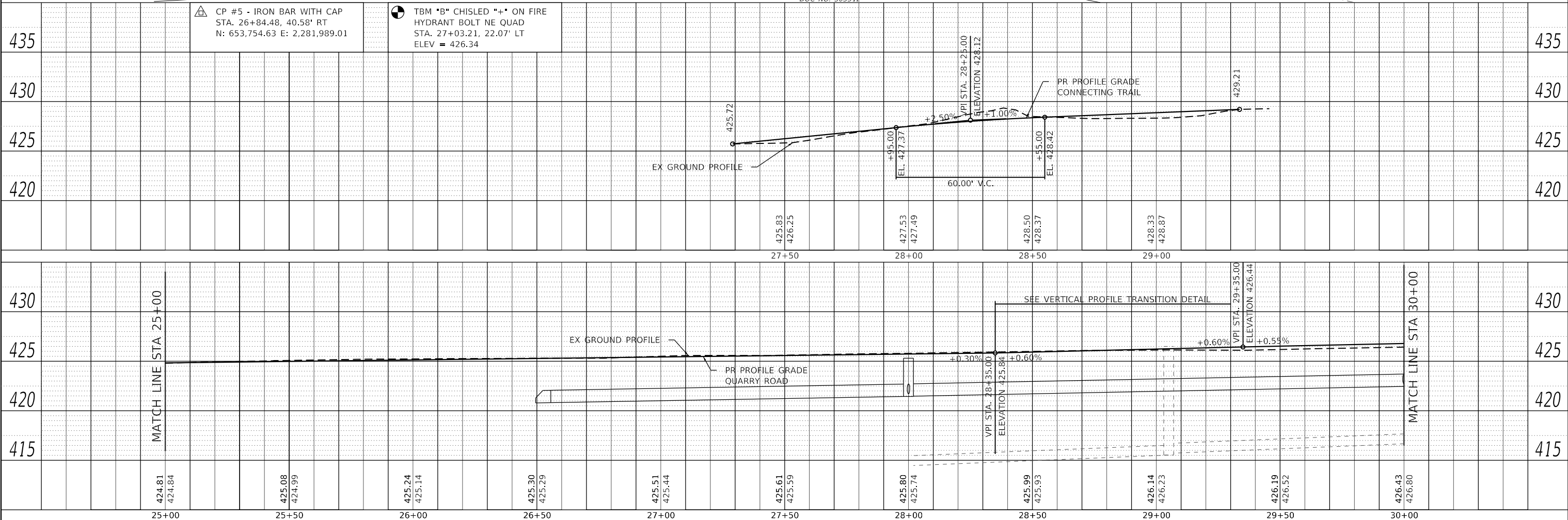
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	NOTATION	
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MODEL: PHASE 1 PAGE 2  
 FILE NAME: R:\181724 - Columbia Quarry Ret\CAD\Drawings\CADD Sheets\08181724-Str\PH1.dgn



**PLAN SHEET LEGEND**

- BASE COURSE WIDENING
- PAVEMENT PATCH
- PR MULTI-USE PATH



USER NAME = b.heil	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN AND PROFILE SHEETS</b> SCALE: SHEET 2 OF 5 SHEETS STA. TO STA.		F.A.U. RTE. 9311	SECTION 18-00054-00-R5	COUNTY MONROE	TOTAL SHEETS 38	SHEET NO. 13
PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -				CONTRACT NO. 97737				
PLOT DATE = 7/10/2020	CHECKED -	REVISED -				ILLINOIS FED. AID PROJECT				

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

PROFILE	SURVEYED	DATE
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	GRADES CHECKED	
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	STRUCTURE NOTATION	
	NO.	

MODEL: PHASE 1 PAGE 3  
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N/F K/D, L.L.C.  
 04-09-300-004-000  
 04-09-300-001-000  
 265 QUARRY RD  
 DOC NO. 324216

N/F EDWARD A. SCHAEFER &  
 NORMAN J. SCHAEFER  
 04-09-300-020-000  
 BK 133 PG 91




TELEPHONE EASEMENT  
 HARRISONVILLE TELEPHONE CO.  
 DOC NO. 167614

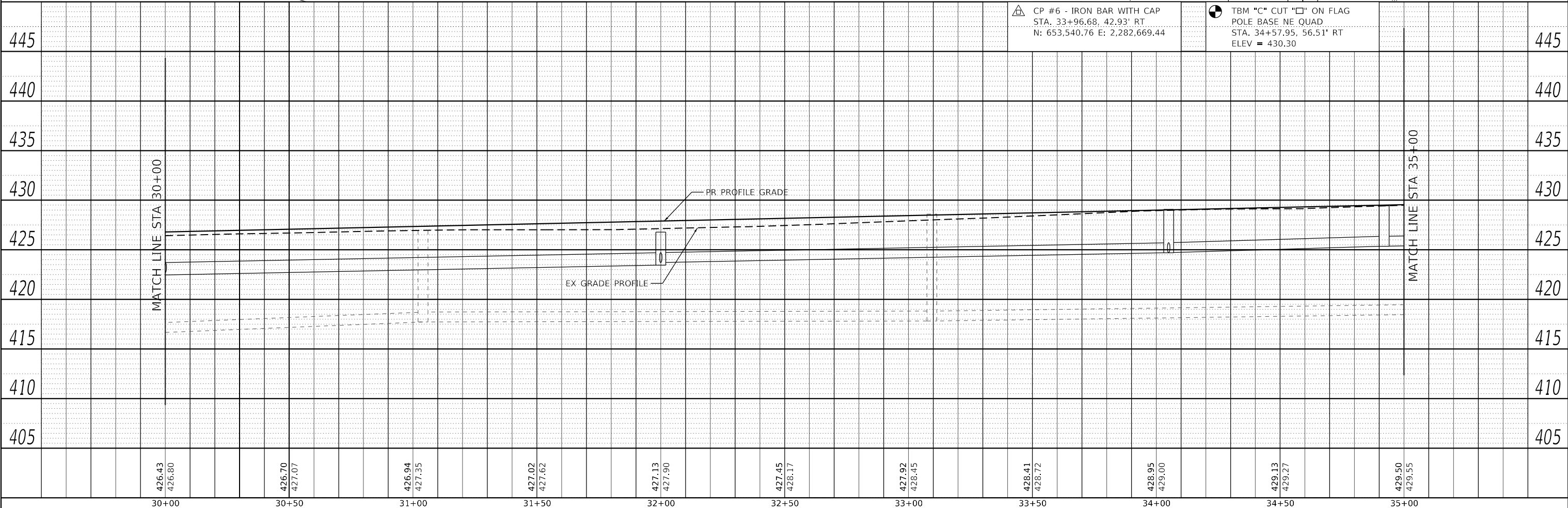
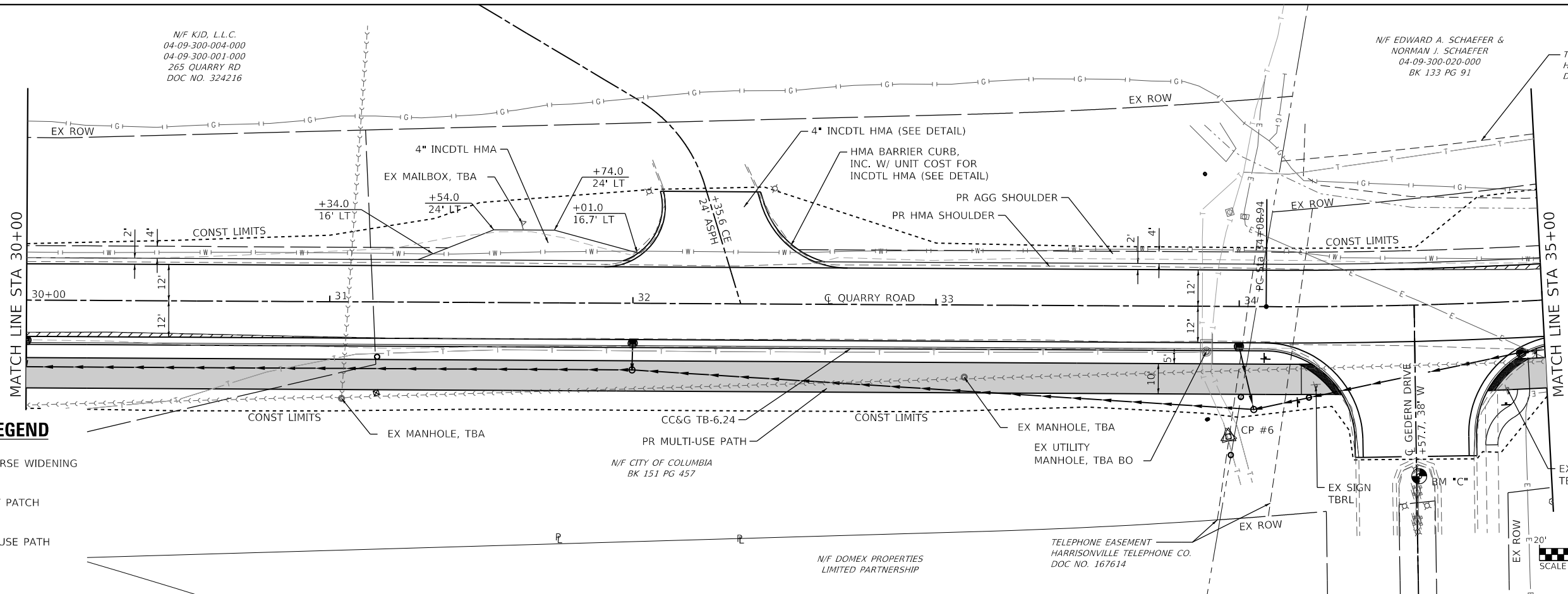
N/F CITY OF COLUMBIA  
 BK 151 PG 457

TELEPHONE EASEMENT  
 HARRISONVILLE TELEPHONE CO.  
 DOC NO. 167614

N/F DOMEX PROPERTIES  
 LIMITED PARTNERSHIP

**PLAN SHEET LEGEND**

-  BASE COURSE WIDENING
-  PAVEMENT PATCH
-  PR MULTI-USE PATH



30+00	30+50	31+00	31+50	32+00	32+50	33+00	33+50	34+00	34+50	35+00
426.43 426.80	426.70 427.07	426.94 427.35	427.02 427.62	427.13 427.90	427.45 428.17	427.92 428.45	428.41 428.72	428.95 429.00	429.13 429.27	429.50 429.55

**OATES ASSOCIATES**  
 ILLINOIS DESIGN FIRM LICENSE NO.: 184,001115

USER NAME = b.heil	DESIGNED -	REVISED -
	DRAWN -	REVISED -
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PLOT DATE = 7/10/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**




**PLAN AND PROFILE SHEETS**

SCALE: 1"=20'    SHEET 3 OF 5 SHEETS    STA. 30+00 TO STA. 35+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9311	18-00054-00-RS	MONROE	38	14
CONTRACT NO. 97737				
ILLINOIS FED. AID PROJECT				



**PLAN SHEET LEGEND**

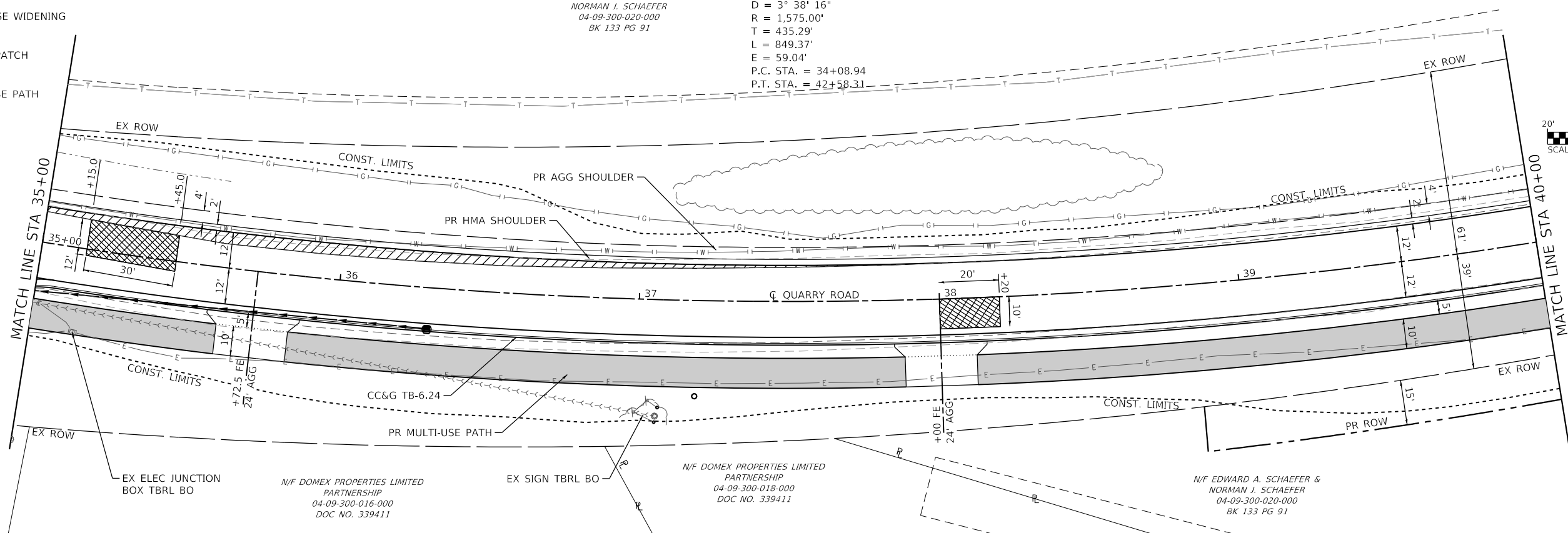
-  BASE COURSE WIDENING
-  PAVEMENT PATCH
-  PR MULTI-USE PATH

N/F EDWARD A. SCHAEFER &  
NORMAN J. SCHAEFER  
04-09-300-020-000  
BK 133 PG 91

PROP. CURVE PR QUARRY\_9  
PI STA. = 38+44.22  
 $\Delta = 30^\circ 53' 56''$  (LT)  
D =  $3^\circ 38' 16''$   
R = 1,575.00'  
T = 435.29'  
L = 849.37'  
E = 59.04'  
P.C. STA. = 34+08.94  
P.T. STA. = 42+58.31



PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNMENT CHECKED	
	GRADE CHECKED	
	STRUCTURE NOTATION CHECKED	
NOTE BOOK NO.	CADD FILE NAME	

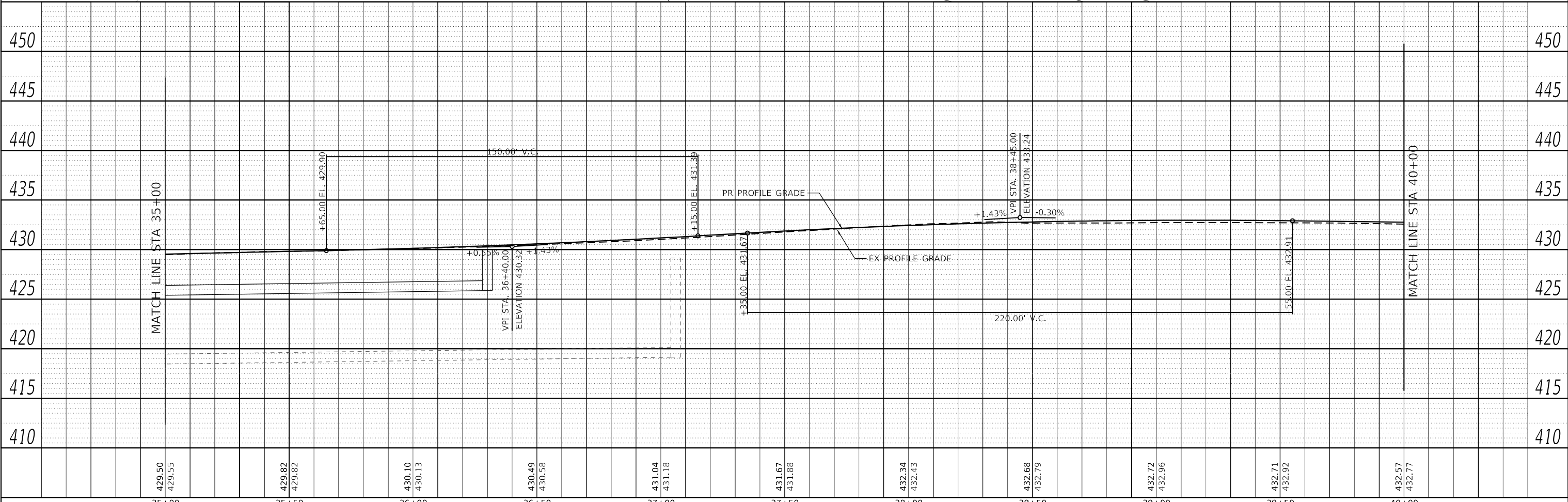


N/F DOMEX PROPERTIES LIMITED  
PARTNERSHIP  
04-09-300-016-000  
DOC NO. 339411

N/F DOMEX PROPERTIES LIMITED  
PARTNERSHIP  
04-09-300-018-000  
DOC NO. 339411

N/F EDWARD A. SCHAEFER &  
NORMAN J. SCHAEFER  
04-09-300-020-000  
BK 133 PG 91

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATION CHECKED	
NOTE BOOK NO.	STRUCTURE NOTATION CHECKED	



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	DRAWN -	REVISED -
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PLOT DATE = 7/10/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN AND PROFILE SHEETS**

SCALE: 1"=20' SHEET 4 OF 5 SHEETS STA. 35+00 TO STA. 40+00

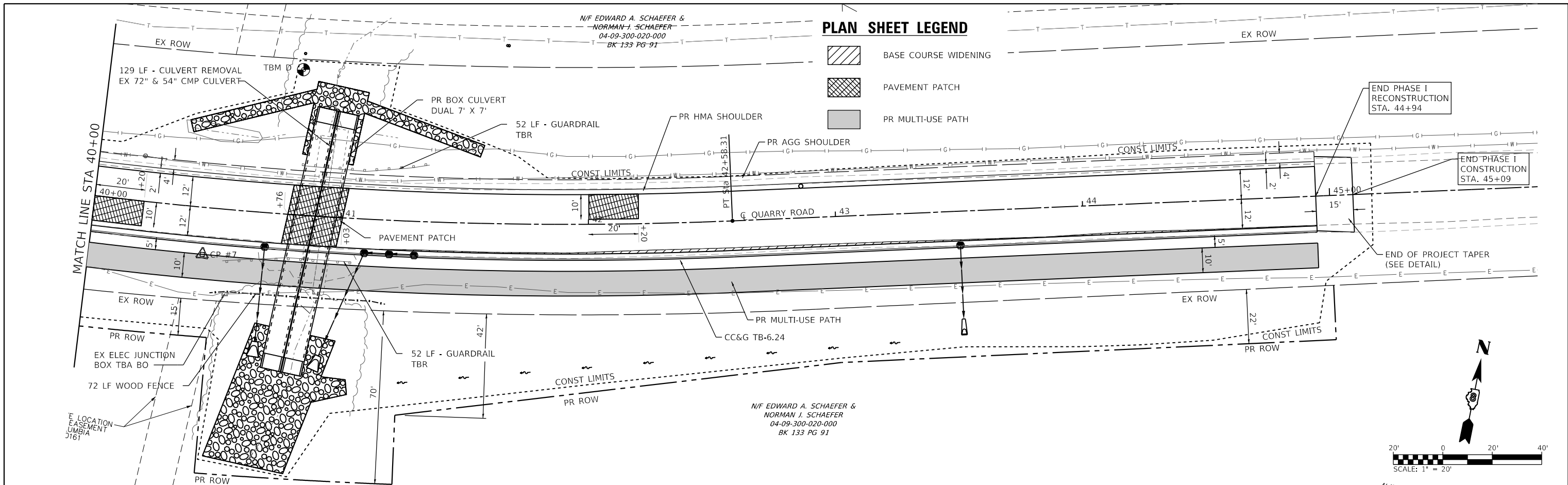
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9311	18-00054-00-RS	MONROE	38	15
CONTRACT NO. 97737				

ILLINOIS FED. AID PROJECT

PLAN	SURVEYED	DATE
	PLOTTED	
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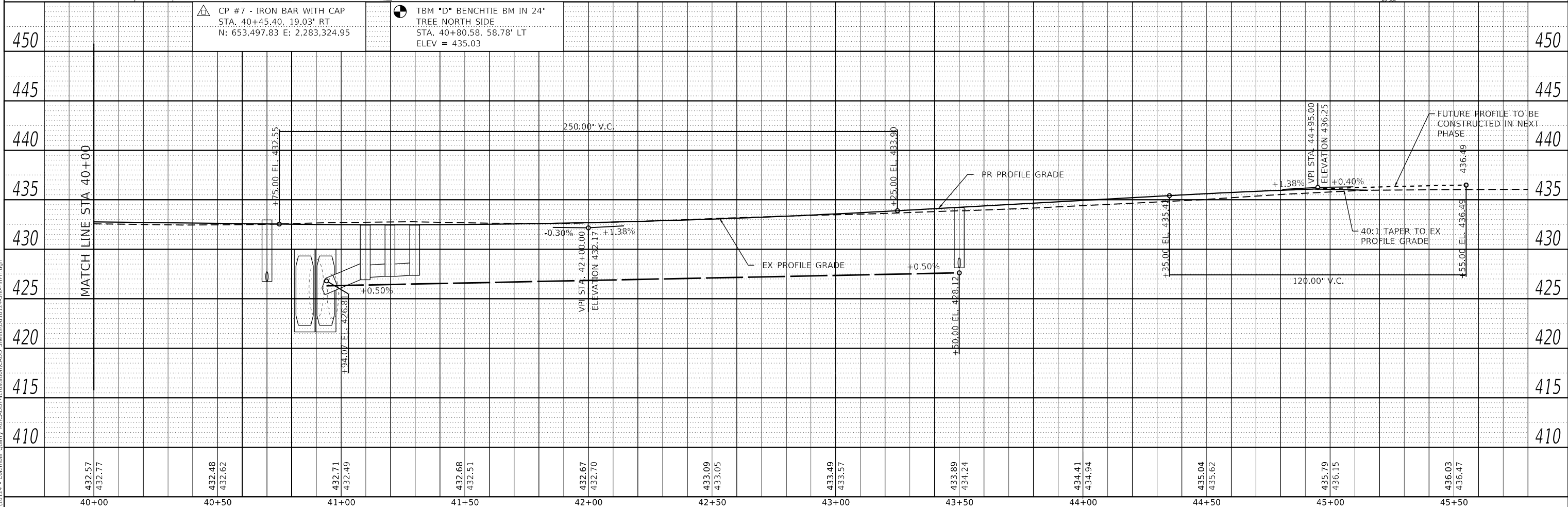
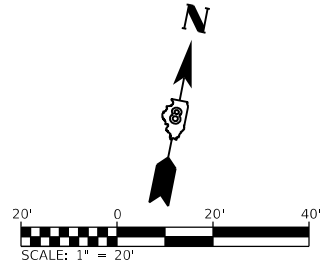
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	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATION	
	NO.	

MODEL: PHASE 1 PAGE 5  
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 Ret\CAD\1818724-001\1818724-001.dwg



**PLAN SHEET LEGEND**

- BASE COURSE WIDENING
- PAVEMENT PATCH
- PR MULTI-USE PATH



40+00	40+50	41+00	41+50	42+00	42+50	43+00	43+50	44+00	44+50	45+00	45+50
432.57 432.77	432.48 432.62	432.71 432.49	432.68 432.51	432.67 432.70	433.09 433.05	433.49 433.57	433.89 434.24	434.41 434.94	435.04 435.62	435.79 436.15	436.03 436.47

**OATES ASSOCIATES**  
 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

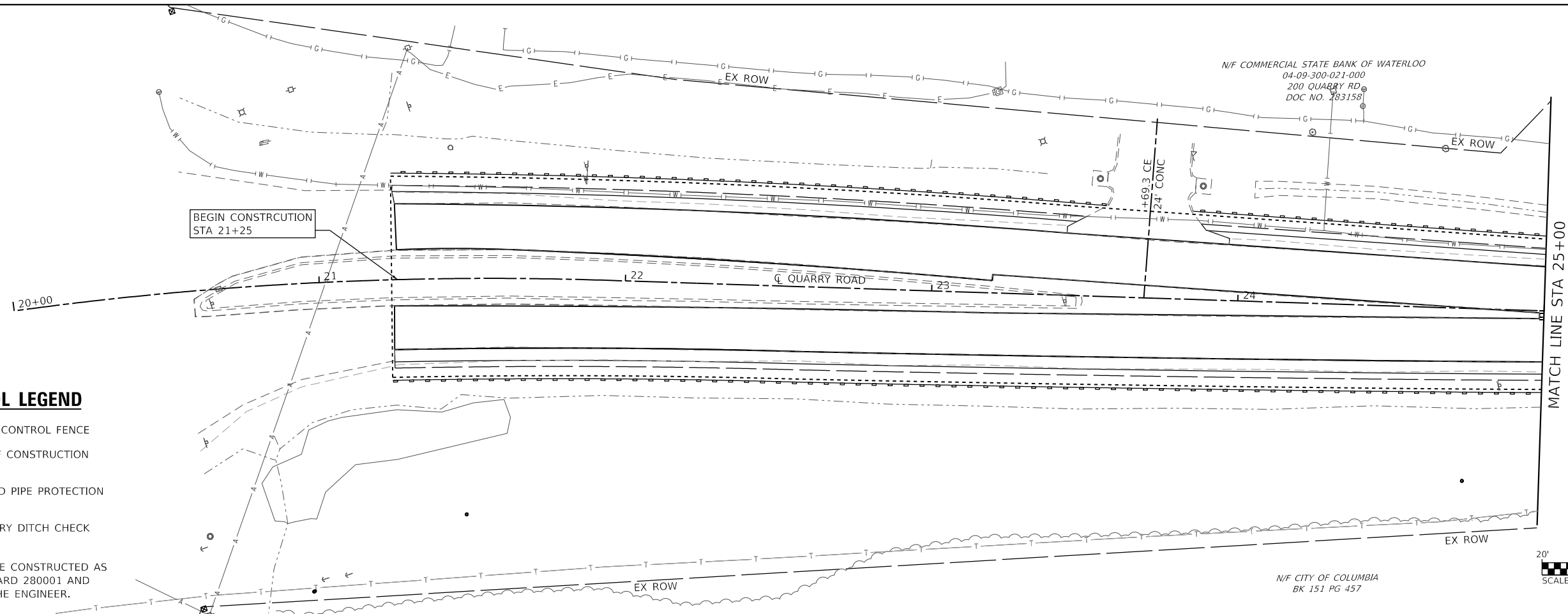
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PLOT DATE = 7/10/2020	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**


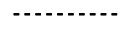


**PLAN AND PROFILE SHEETS**

SCALE: 1"=20'    SHEET 5 OF 5 SHEETS    STA. 40+00 TO STA. 45+00

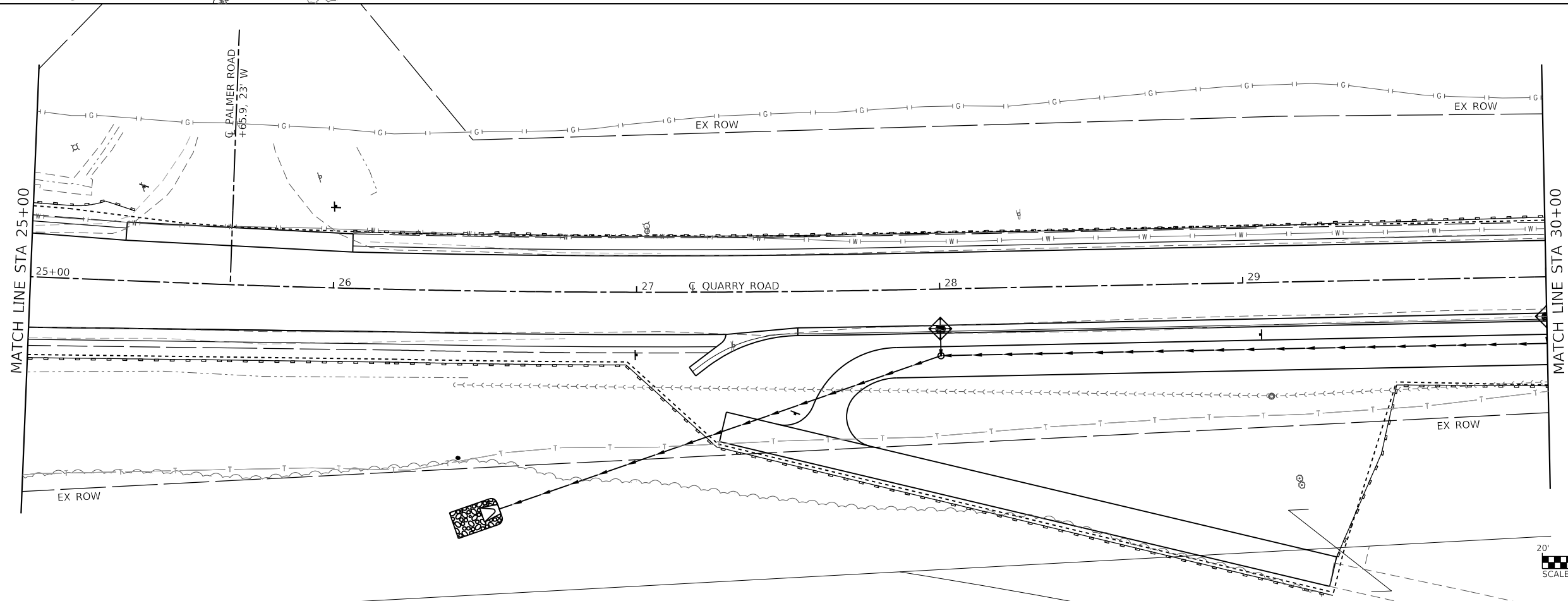
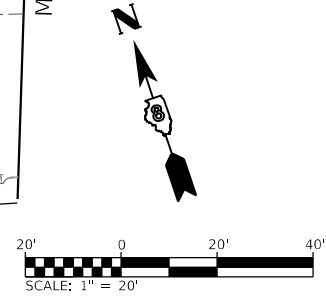
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9311	18-00054-00-RS	MONROE	38	16
CONTRACT NO. 97737				
ILLINOIS FED. AID PROJECT				



**EROSION CONTROL LEGEND**

-  EROSION CONTROL FENCE
-  LIMITS OF CONSTRUCTION
-  INLET AND PIPE PROTECTION  
1 EACH
-  TEMPORARY DITCH CHECK

NOTE: ALL ITEMS SHALL BE CONSTRUCTED AS SHOWN ON STANDARD 280001 AND AS DIRECTED BY THE ENGINEER.



MODEL: 01  
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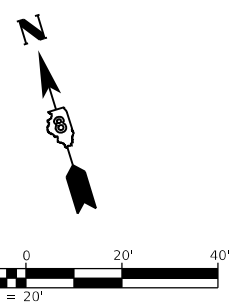
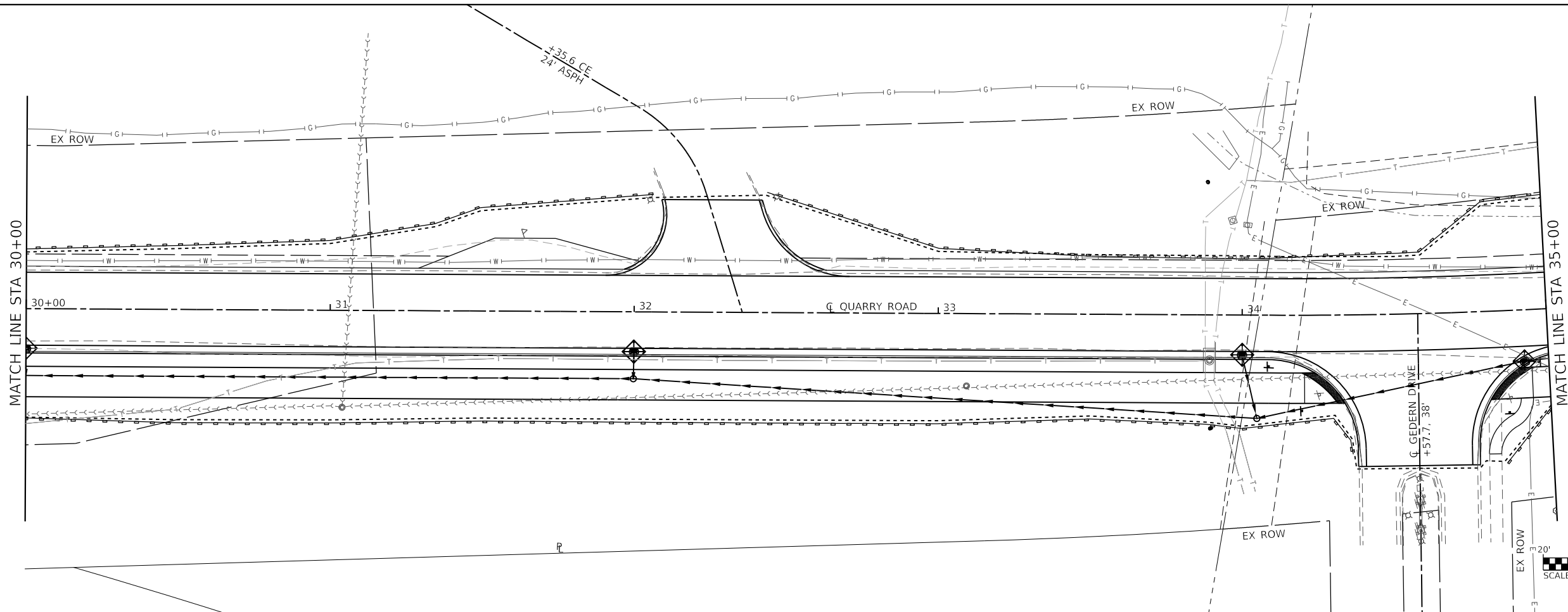
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	DRAWN -	REVISED -
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PLOT DATE = 7/10/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL**

SCALE: 1"=20'    SHEET 1    OF 3    SHEETS    STA. 20+00    TO STA. 30+00

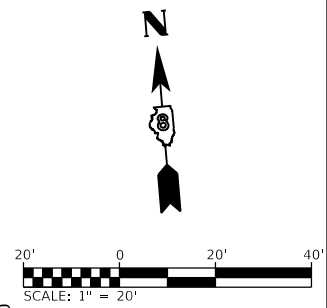
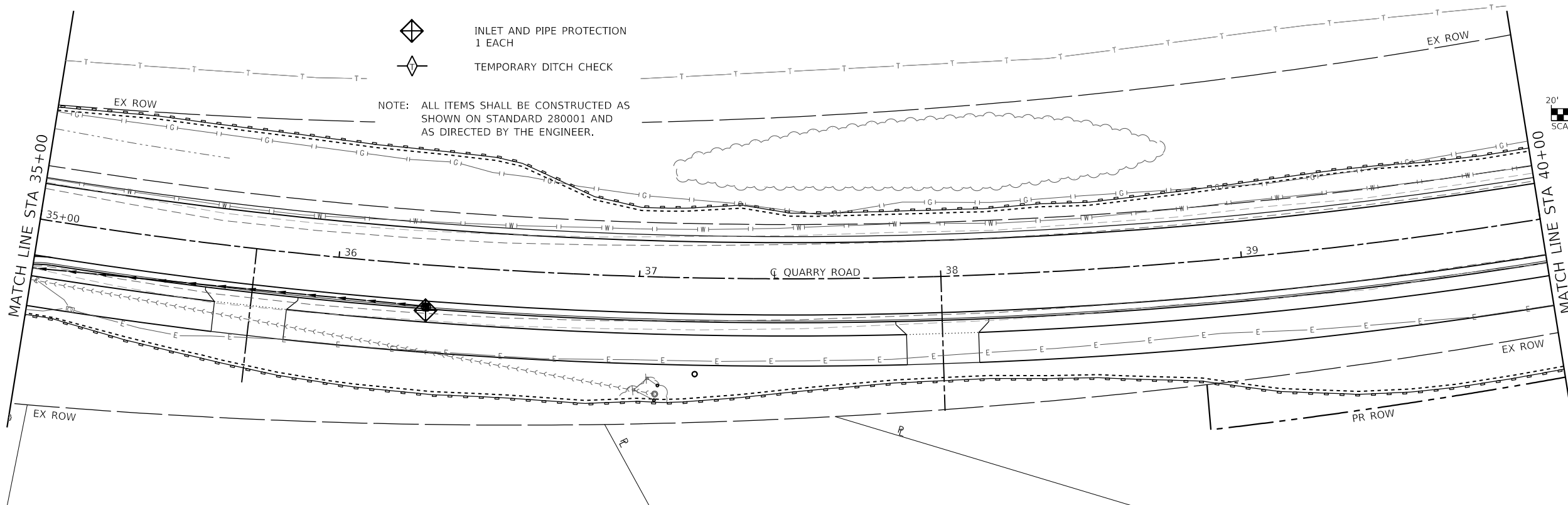
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9311	18-00054-00-RS	MONROE	38	17
CONTRACT NO. 97737				
ILLINOIS FED. AID PROJECT				



**EROSION CONTROL LEGEND**

- EROSION CONTROL FENCE
- LIMITS OF CONSTRUCTION
- INLET AND PIPE PROTECTION  
1 EACH
- TEMPORARY DITCH CHECK

NOTE: ALL ITEMS SHALL BE CONSTRUCTED AS SHOWN ON STANDARD 280001 AND AS DIRECTED BY THE ENGINEER.



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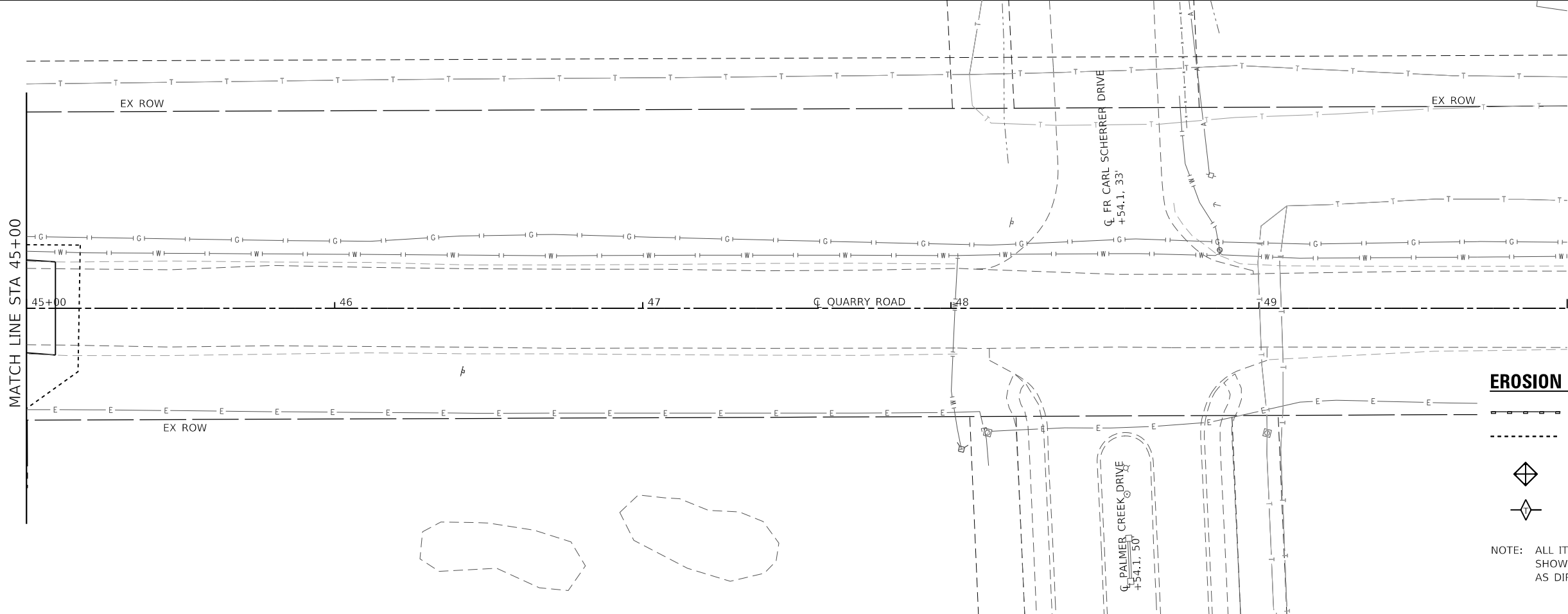
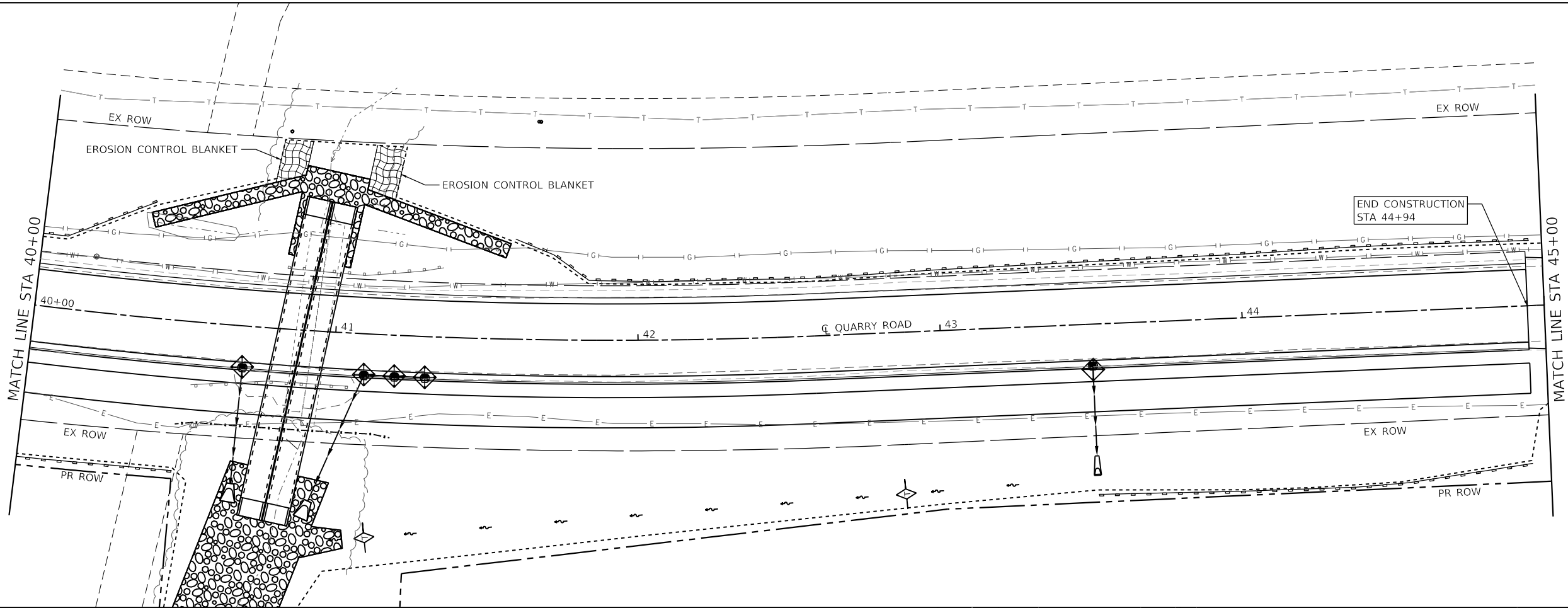


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PLOT DATE = 7/10/2020	DATE -	REVISED -


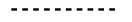


**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL**  
SCALE: 1"=20' SHEET 2 OF 3 SHEETS STA. 40+00 TO STA. 50+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9311	18-00054-00-RS	MONROE	38	18
CONTRACT NO. 97737				
ILLINOIS FED. AID PROJECT				



**EROSION CONTROL LEGEND**

-  EROSION CONTROL FENCE
-  LIMITS OF CONSTRUCTION
-  INLET AND PIPE PROTECTION  
1 EACH
-  TEMPORARY DITCH CHECK

NOTE: ALL ITEMS SHALL BE CONSTRUCTED AS SHOWN ON STANDARD 280001 AND AS DIRECTED BY THE ENGINEER.

MODEL: 03  
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	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

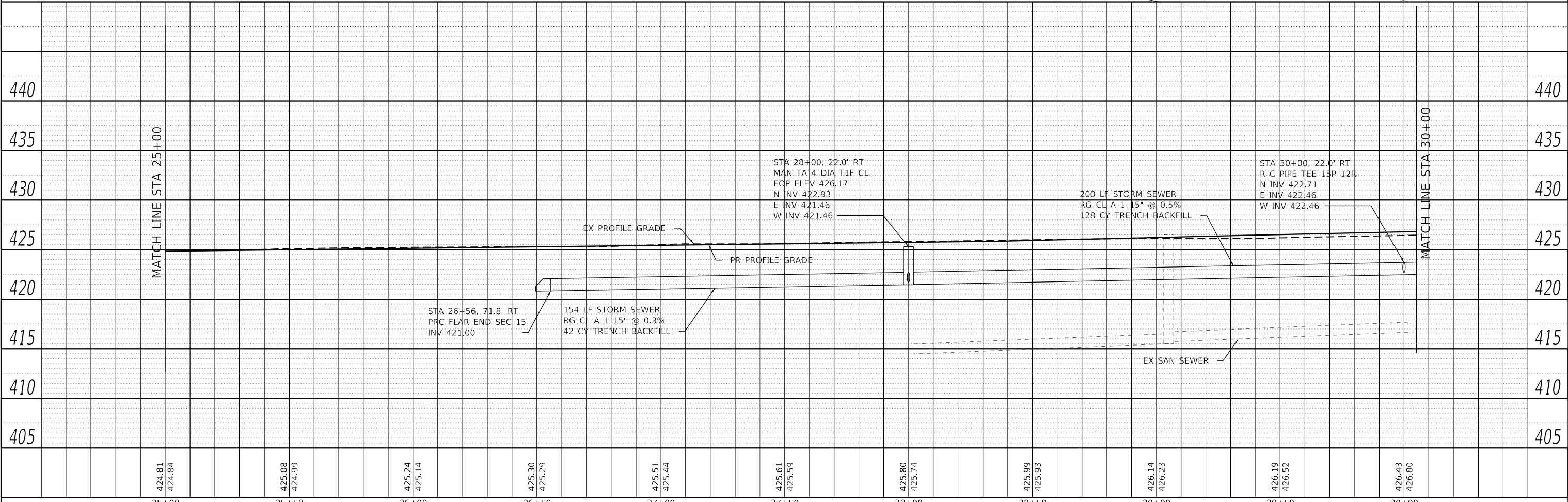
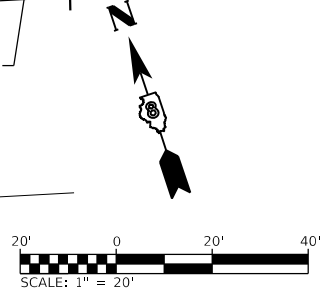
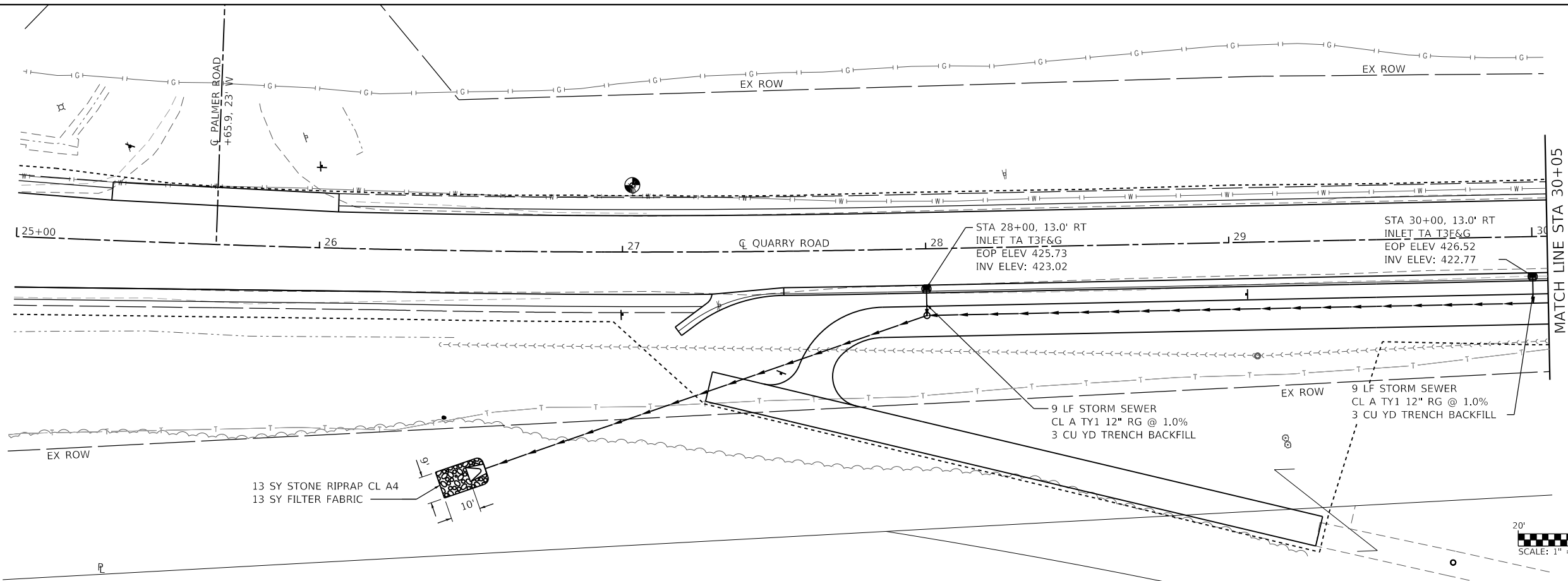
<b>EROSION CONTROL</b>	
SCALE: 1"=20'	SHEET 3 OF 3 SHEETS
STA. 40+00	TO STA. 50+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9311	18-00054-00-R5	MONROE	38	19
CONTRACT NO. 97737				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILED	
	CADD FILE NAME	
	NO.	
	BY	
	DATE	

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

MODEL: PHASE 1 PAGE 2  
 FILE NAME: R:\181724 - Columbia Quarry RetCADD\181724-Drainage\181724-Drainage.dwg



424.81	424.84	425.08	424.99	425.24	425.14	425.30	425.29	425.51	425.44	425.61	425.59	425.80	425.74	425.99	425.93	426.14	426.23	426.19	426.52	426.43	426.80
25+00	25+50	26+00	26+50	27+00	27+50	28+00	28+50	29+00	29+50	30+00											

**OATES ASSOCIATES**  
 ILLINOIS DESIGN FIRM LICENSE NO.: 184,001115

USER NAME = b.heil	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 7/10/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**DRAINAGE SHEETS**

SCALE: 1"=20'    SHEET 1    OF 4    SHEETS    STA. 25+00    TO STA. 30+00

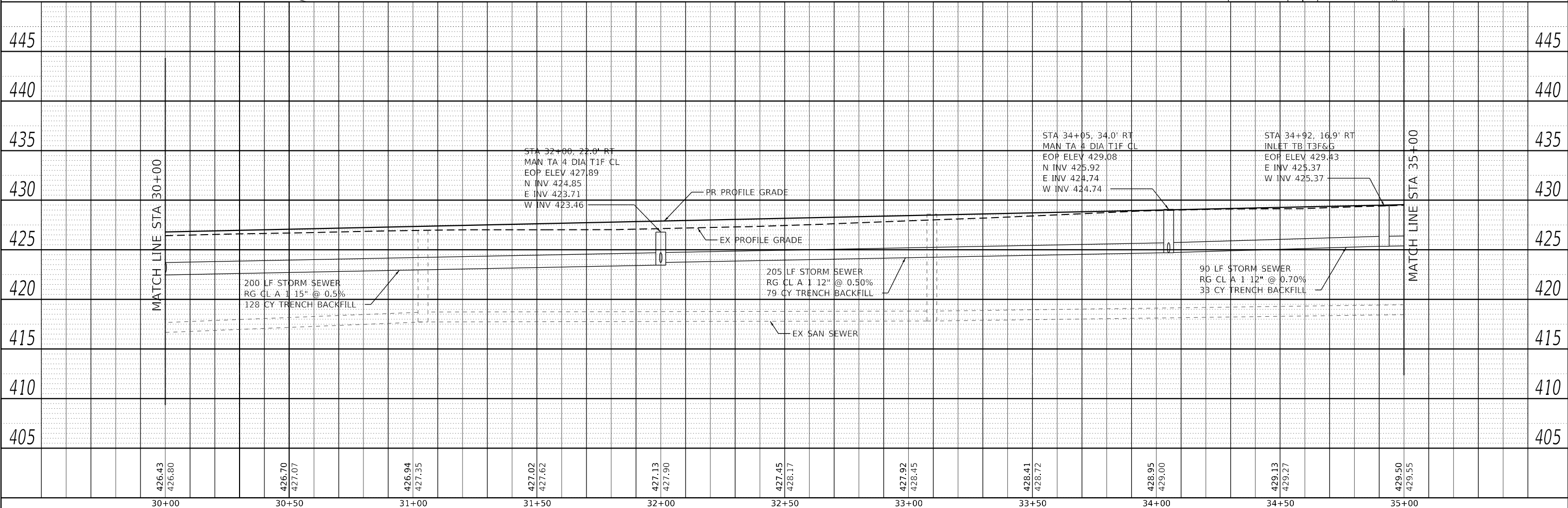
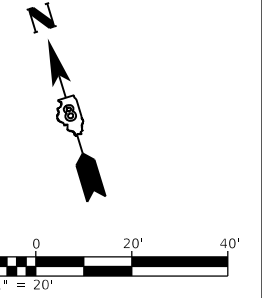
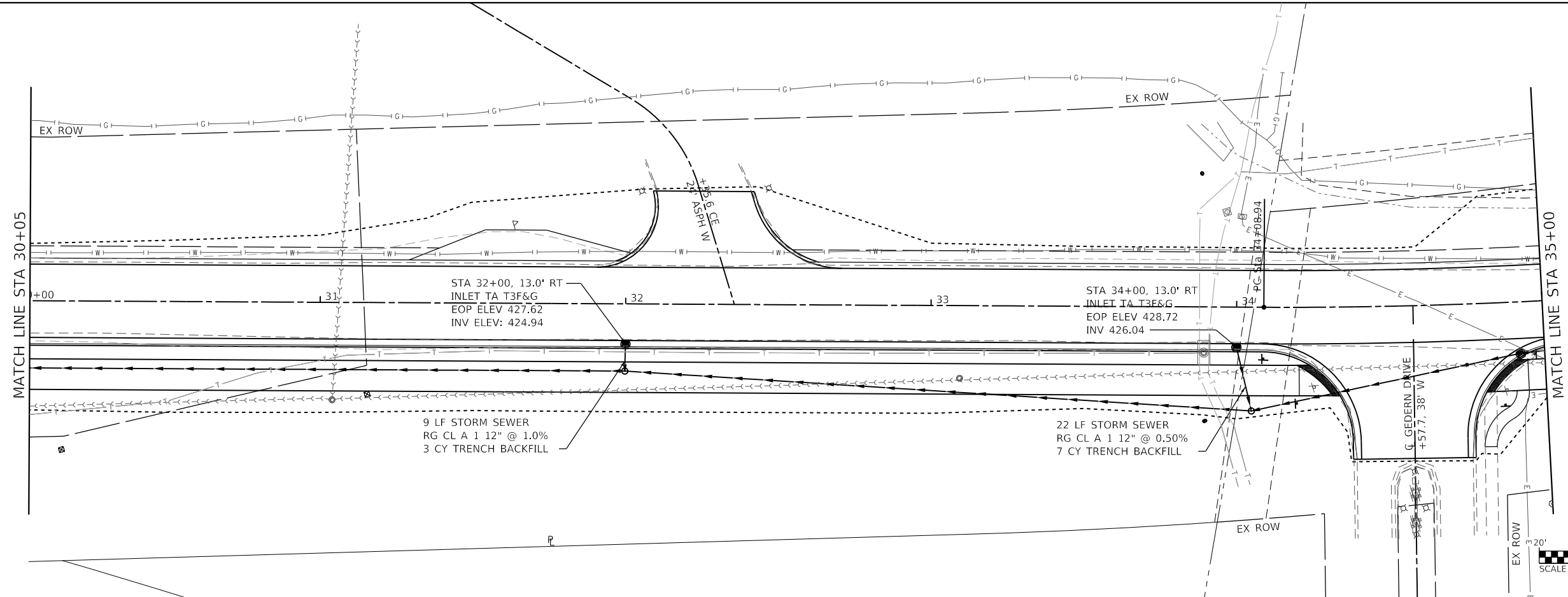
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9311	18-00054-00-RS	MONROE	38	20
CONTRACT NO. 97737				
ILLINOIS		FED. AID PROJECT		



PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNMENT CHECKED	
	GRADES CHECKED	
	STRUCTURE NOTATION CHECKED	
NOTE BOOK NO.	CADD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATION CHECKED	
NOTE BOOK NO.	CADD FILE NAME	

MODEL: PHASE 1 PAGE 3  
 FILE NAME: R:\181724 - Columbia Quarry RetCAD\DrainStation\CADD Sheets\08181724-Drainage.dwg



30+00	30+50	31+00	31+50	32+00	32+50	33+00	33+50	34+00	34+50	35+00
426.43 426.80	426.70 427.07	426.94 427.35	427.02 427.62	427.13 427.90	427.45 428.17	427.92 428.45	428.41 428.72	428.95 429.00	429.13 429.27	429.50 429.55

**OATES ASSOCIATES**  
 ILLINOIS DESIGN FIRM LICENSE NO.: 184,001115

USER NAME = b.heil	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 7/10/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**DRAINAGE SHEETS**

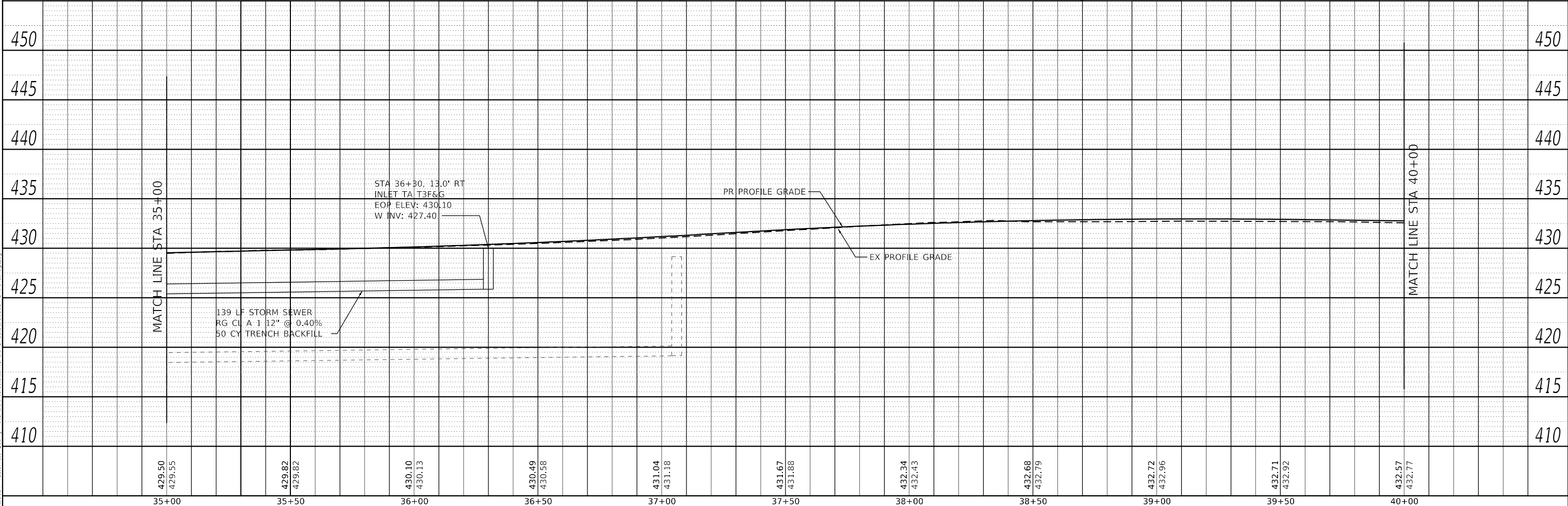
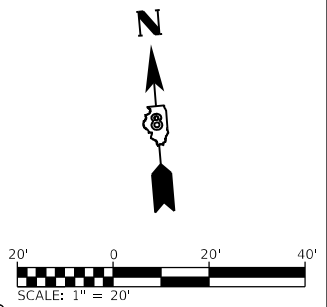
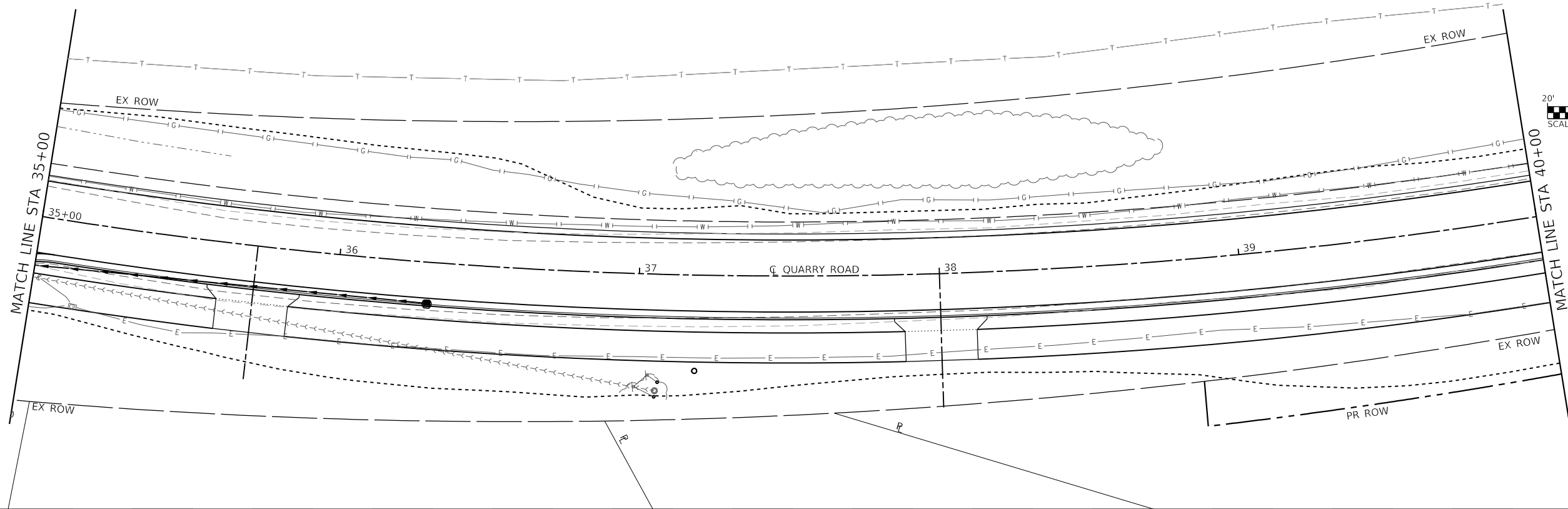
SCALE: 1"=20' SHEET 2 OF 4 SHEETS STA. 30+00 TO STA. 35+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9311	18-00054-00-R5	MONROE	38	21
CONTRACT NO. 97737				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	CADD FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO.	

MODEL: PHASE 1 PAGE 4  
 FILE NAME: R:\1181724 - Columbia Quarry RetCAD\DWG\prostation\CADD\_Sheets\08181724-Drainage.dwg



429.50 429.55	429.82 429.82	430.10 430.13	430.49 430.58	431.04 431.18	431.67 431.88	432.34 432.43	432.68 432.79	432.72 432.96	432.71 432.92	432.57 432.77
35+00	35+50	36+00	36+50	37+00	37+50	38+00	38+50	39+00	39+50	40+00

**OATES ASSOCIATES**  
 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115

USER NAME = b.heil	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 7/10/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**DRAINAGE SHEETS**

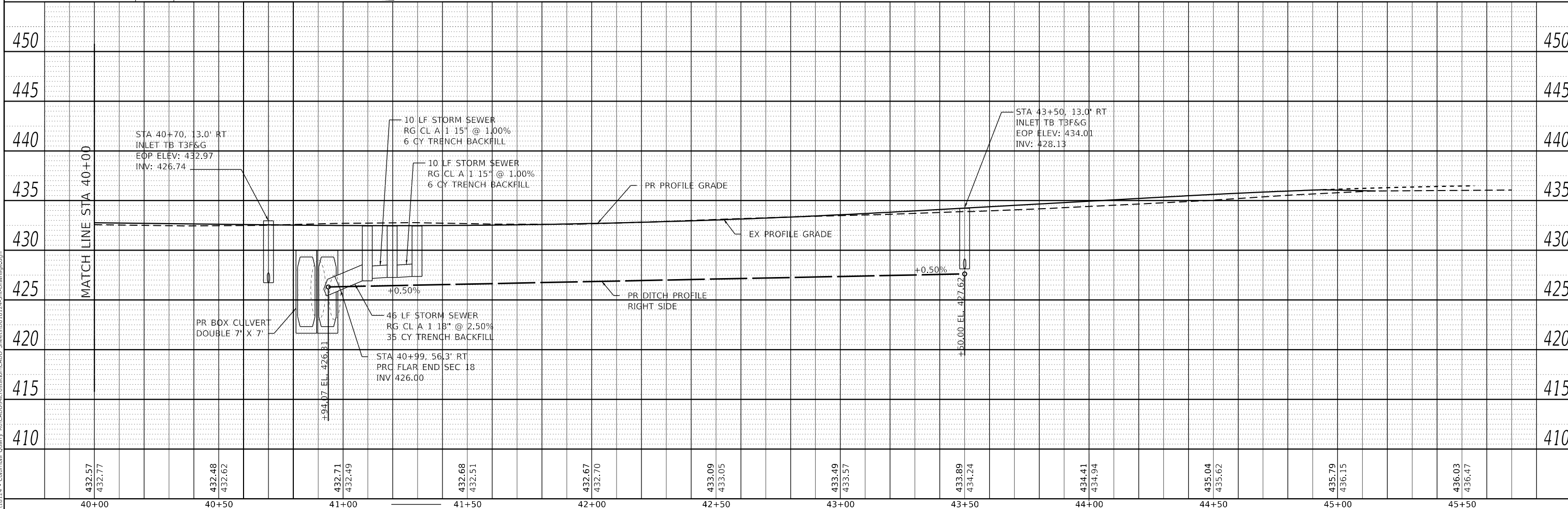
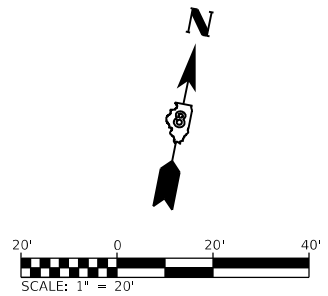
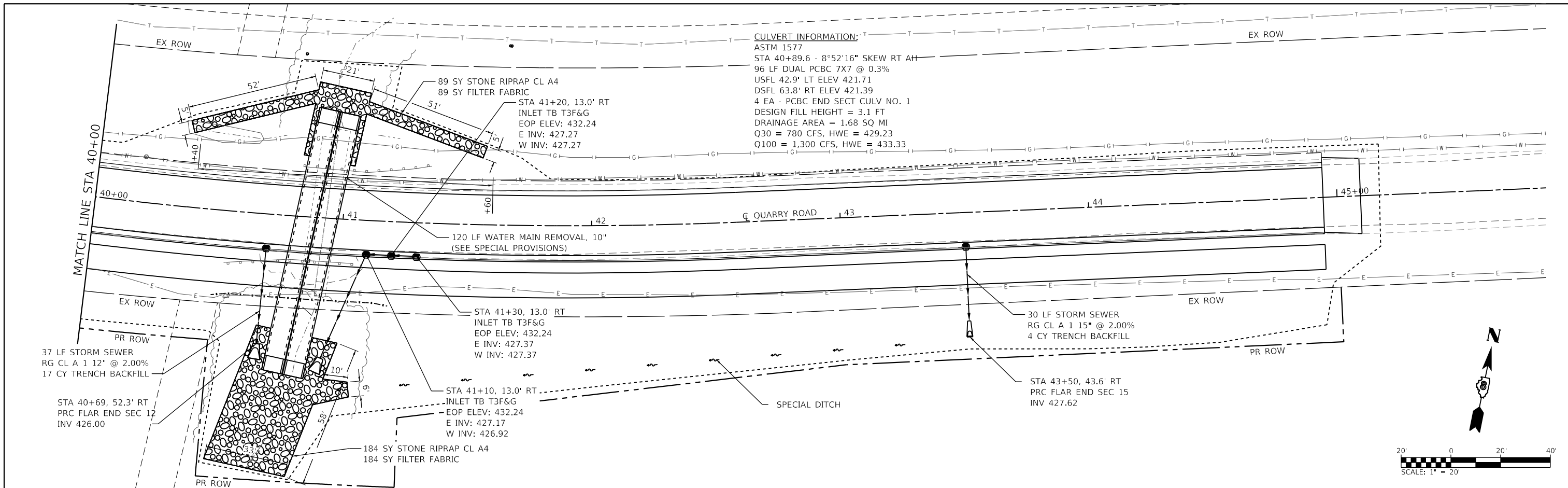
SCALE: 1"=20'	SHEET 3	OF 4 SHEETS	STA. 35+00	TO STA. 40+00
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9311	18-00054-00-R5	MONROE	38	22
ILLINOIS FED. AID PROJECT			CONTRACT NO. 97737	

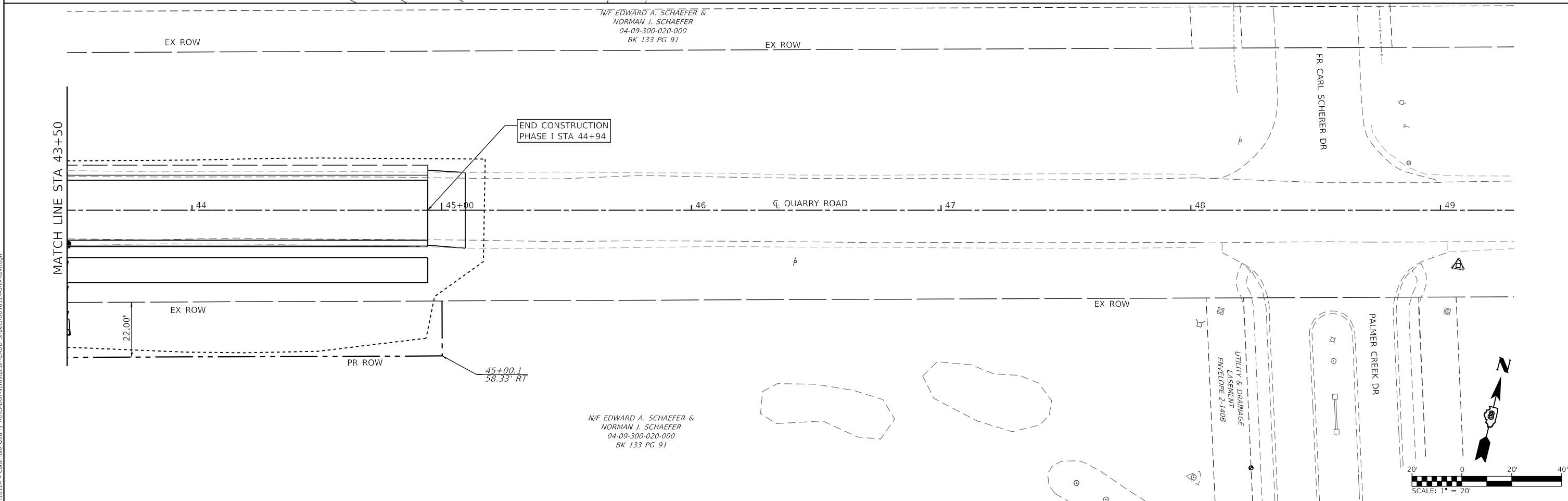
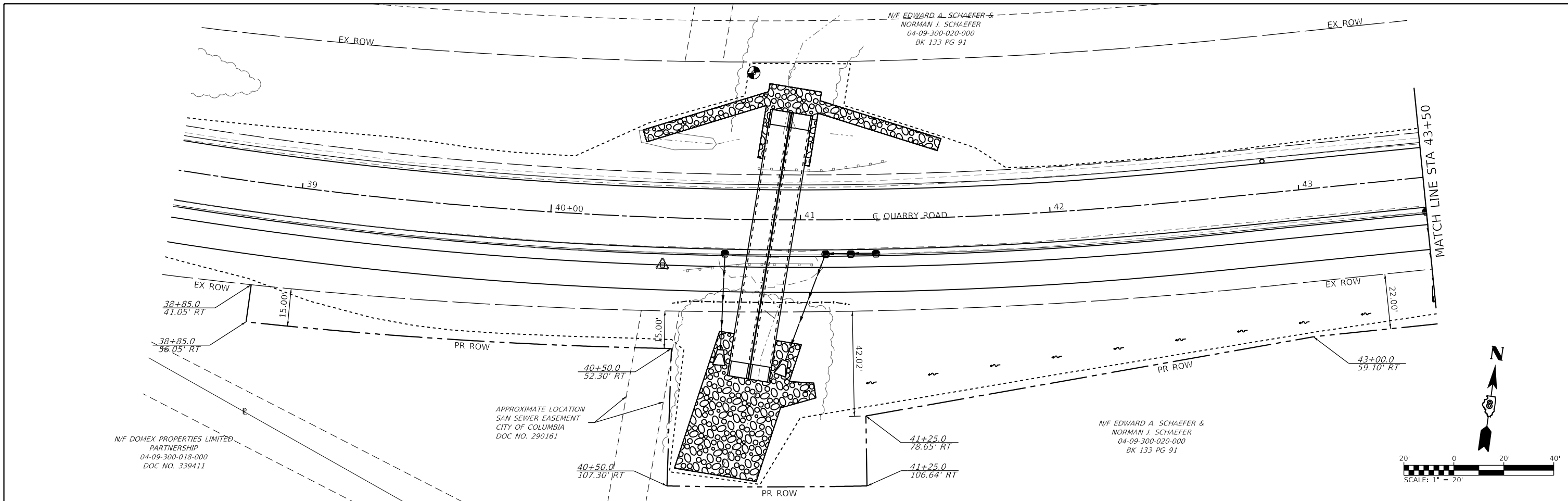
PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	CHECKED
	NOTE BOOK	NO.
	CADD FILE NAME	

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

MODEL: PHASE 1 PAGE 5  
 FILE NAME: R:\181724 - Columbia Quarry RetCADD\InRoadStation\CADD Sheets\08181724-Drt-Drainage.dwg



 OATES ASSOCIATES www.oatesassociates.com ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115	USER NAME = b.heil DESIGNED - DRAWN - CHECKED - DATE -	REVISIONS REVISED - REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS          DEPARTMENT OF TRANSPORTATION</b>		<b>DRAINAGE SHEETS</b>		F.A.U. RTE. 9311	SECTION 18-00054-00-RS	COUNTY MONROE	TOTAL SHEETS 38	SHEET NO. 23
	PLOT SCALE = 40.0000' / in. PLOT DATE = 7/10/2020	SCALE: 1"=20' SHEET 4 OF 4 SHEETS STA. 40+00 TO STA. 45+00	CONTRACT NO. 97737		ILLINOIS FED. AID PROJECT						



USER NAME = b,hell	DESIGNED -	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 7/10/2020	CHECKED -	REVISED -
	DATE -	REVISED -

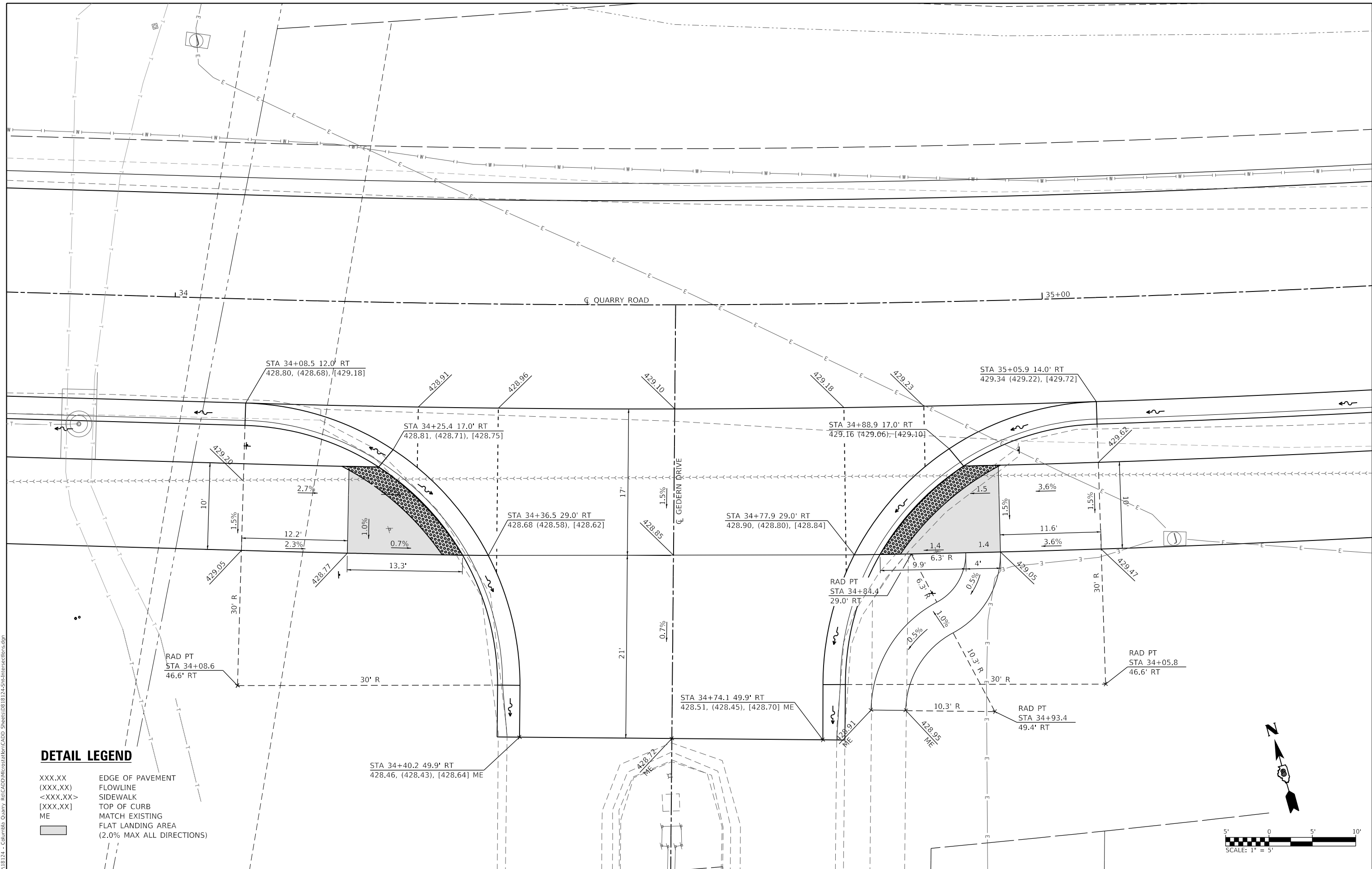
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ROW PLAN SHEETS**

SCALE: 1" = 20'    SHEET 1 OF 1 SHEETS    STA. 38+50 TO STA. 49+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9311	18-00054-00-RS	MONROE	38	24
CONTRACT NO. 97737				
ILLINOIS FED. AID PROJECT				

MODEL: Default; FILE NAME: I:\18124 - Columbi Quary 8\CADD\Microstation\CADD\_Sheets\0818124-SR-ROW.dgn



**DETAIL LEGEND**

- XXX.XX EDGE OF PAVEMENT
- (XXX.XX) FLOWLINE
- <XXX.XX> SIDEWALK
- [XXX.XX] TOP OF CURB
- ME MATCH EXISTING
- FLAT LANDING AREA (2.0% MAX ALL DIRECTIONS)

MODEL: Gedern  
 FILE NAME: I:\18124 - Columbus Quarry 8\CADD\Intersections\CADD\_Sheets\0818124-5Int\Intersections.dgn  
 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115



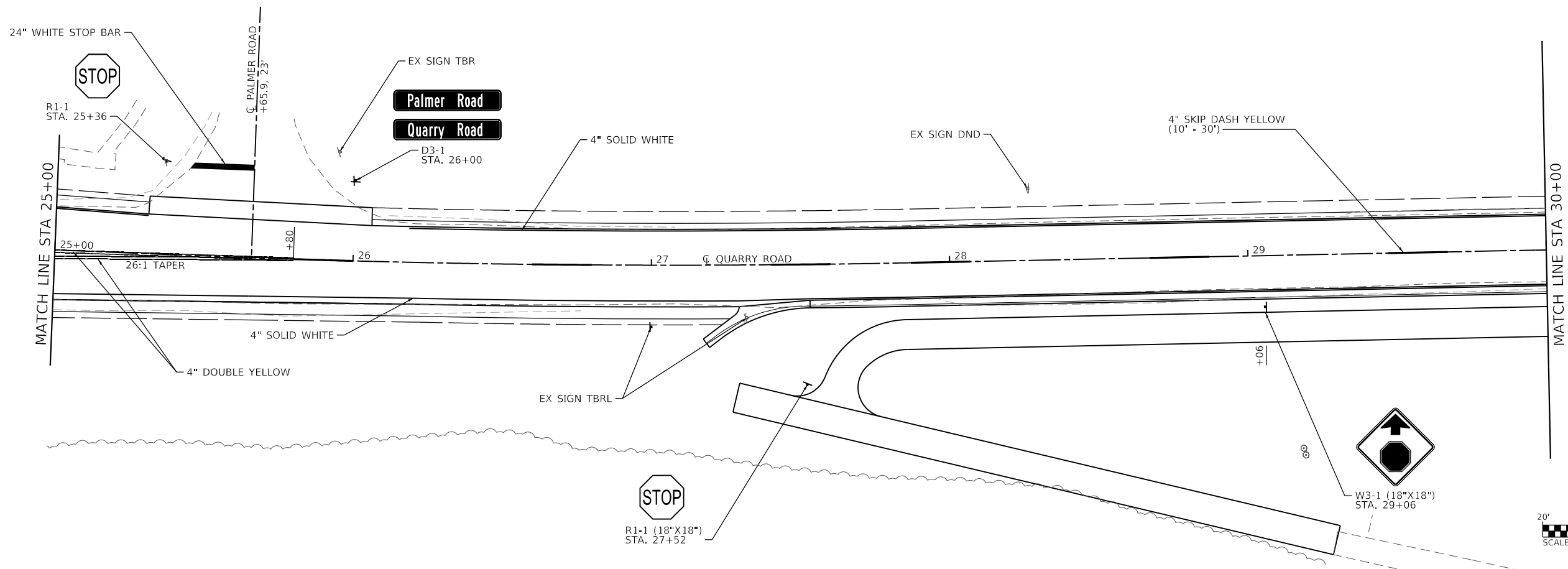
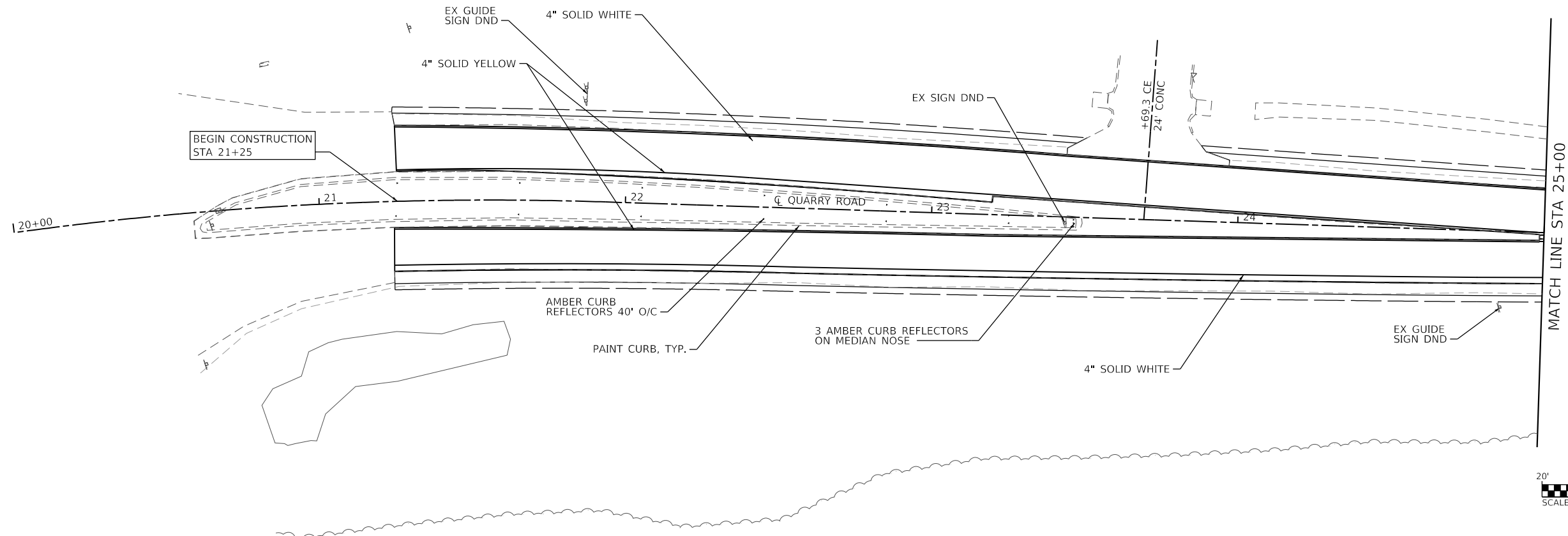
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PLOT SCALE = 10.0000' / in.	DRAWN -	REVISED -
DATE = 7/10/2020	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INTERSECTION DETAILS**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9311	18-00054-00-RS	MONROE	38	25
CONTRACT NO. 97737				
ILLINOIS FED. AID PROJECT				



MODEL: Sheet 1  
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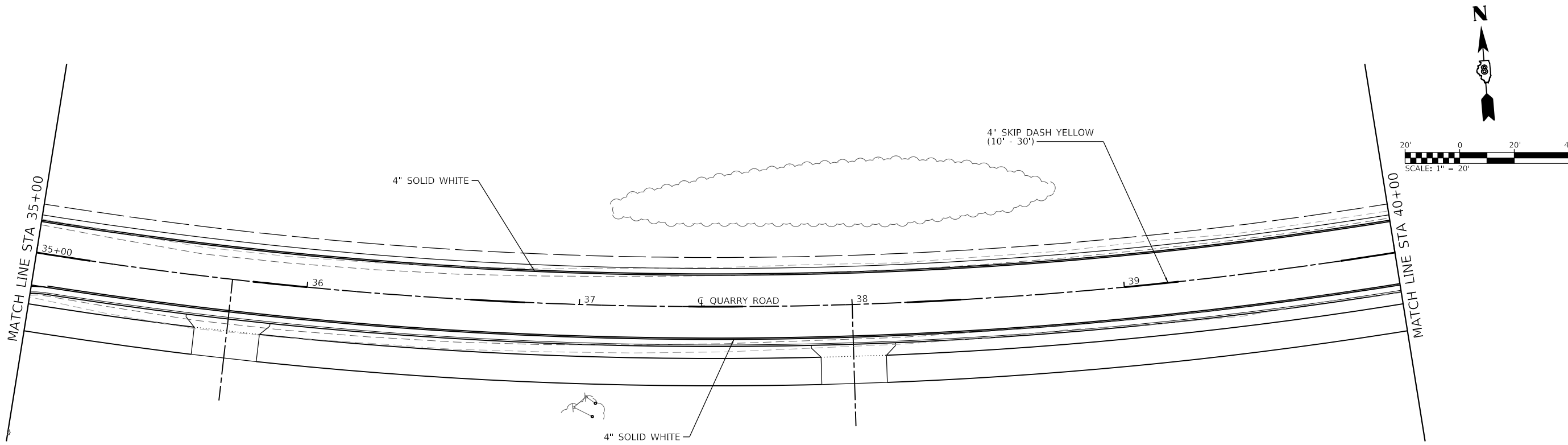
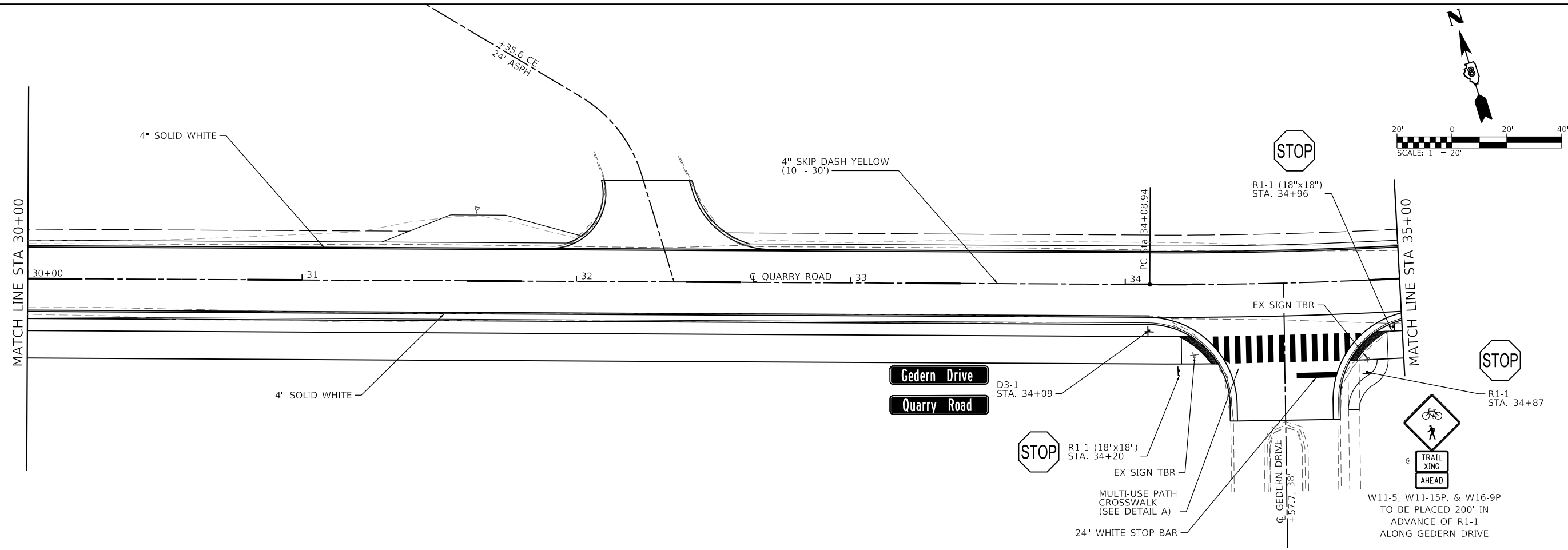
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PLOT SCALE = 40.0000 ' / in.	DRAWN -	REVISED -
DATE = 7/10/2020	CHECKED -	REVISED -
	DATE -	REVISED -

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

**SIGNAGE AND PAVEMENT MARKING SHEETS**  
 SCALE: 1"=20'    SHEET 1 OF 3 SHEETS    STA. 20+00 TO STA. 30+00

F.A.U. RTE. 9311	SECTION 18-00054-00-RS	COUNTY MONROE	TOTAL SHEETS 38	SHEET NO. 26
CONTRACT NO. 97737				
ILLINOIS FED. AID PROJECT				





MODEL: Sheet 2  
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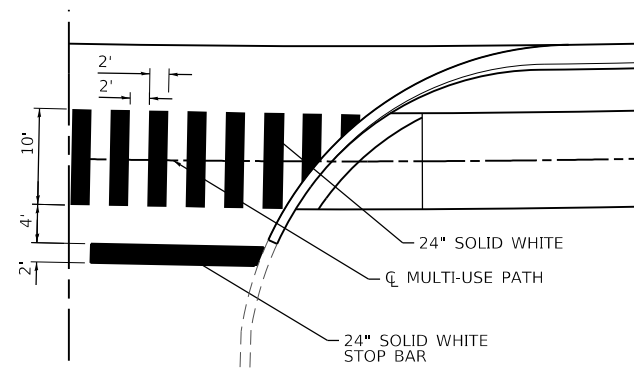
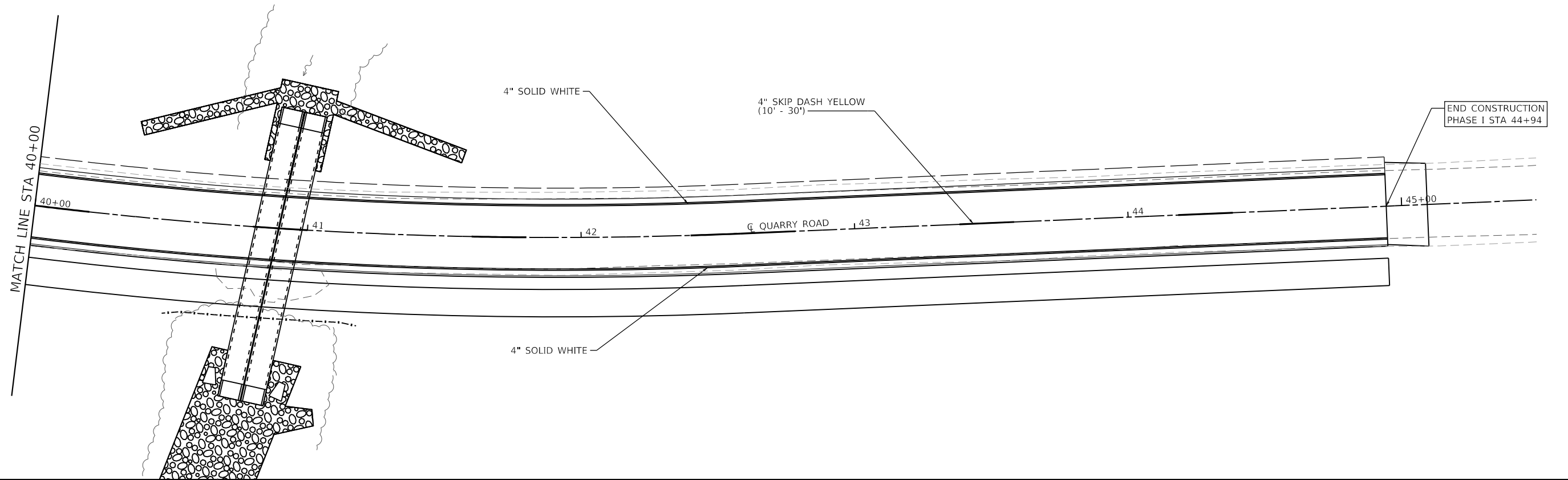
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PLOT SCALE = 40,0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 7/10/2020	CHECKED -	REVISED -
	DATE -	REVISED -

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

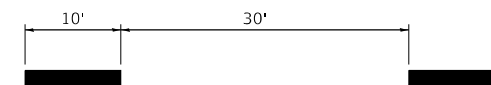
**SIGNAGE AND PAVEMENT MARKING SHEETS**

SCALE: 1"=20'    SHEET 2 OF 3 SHEETS    STA. 30+00 TO STA. 40+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9311	18-00054-00-RS	MONROE	38	27
CONTRACT NO. 97737			ILLINOIS FED. AID PROJECT	



**DETAIL A**  
MULTI-USE PATH CROSSWALK



**DETAIL B**  
STANDARD 10' - 30' SKIP DASH

MODEL: Sheet 3  
 FILE NAME: I:\R18124 - Columbus Quarry B\CADD\Microstation\CADD\_Sheets\0818174-Sign-Sign-Sign.dgn  
 ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115



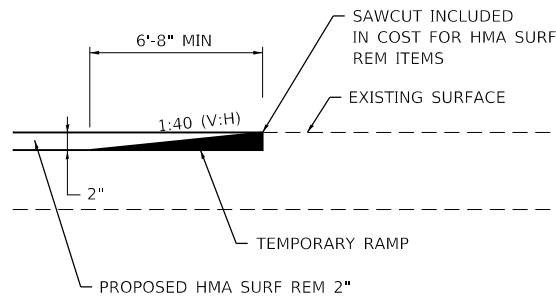
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	DRAWN -	REVISED -
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PLOT DATE = 7/10/2020	DATE -	REVISED -

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

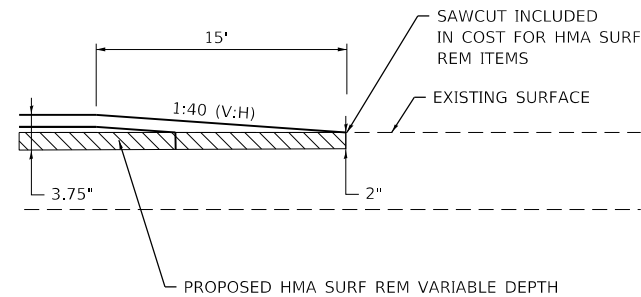
**SIGNAGE AND PAVEMENT MARKING SHEETS**

SCALE: 1"=20'    SHEET 3    OF 3    SHEETS    STA. 40+00    TO STA. 50+00

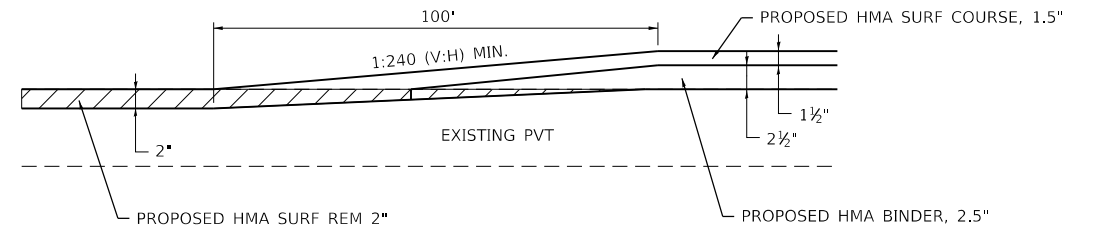
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9311	18-00054-00-RS	MONROE	38	28
CONTRACT NO. 97737			ILLINOIS FED. AID PROJECT	



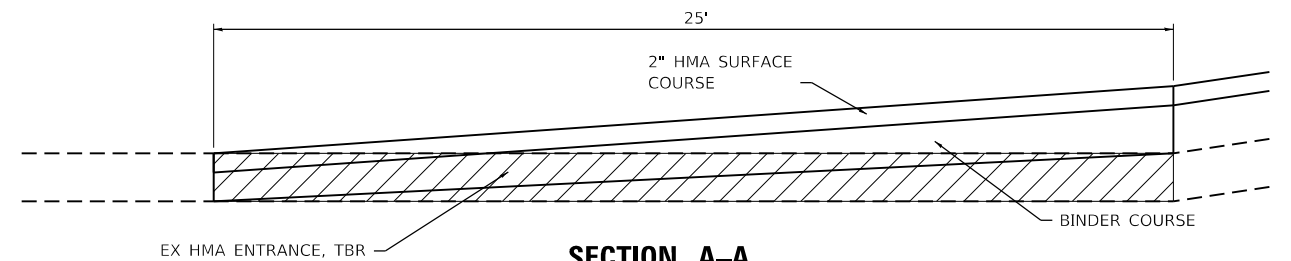
**TEMPORARY RAMP DETAIL**  
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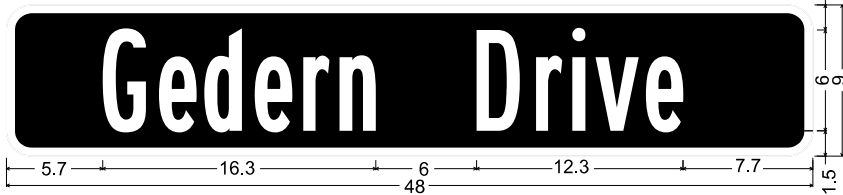
**END OF PROJECT TAPER DETAIL**  
(NOT TO SCALE)



**VERTICAL PROFILE TRANSITION**  
STA 28+35 TO STA 29+35  
(NOT TO SCALE)

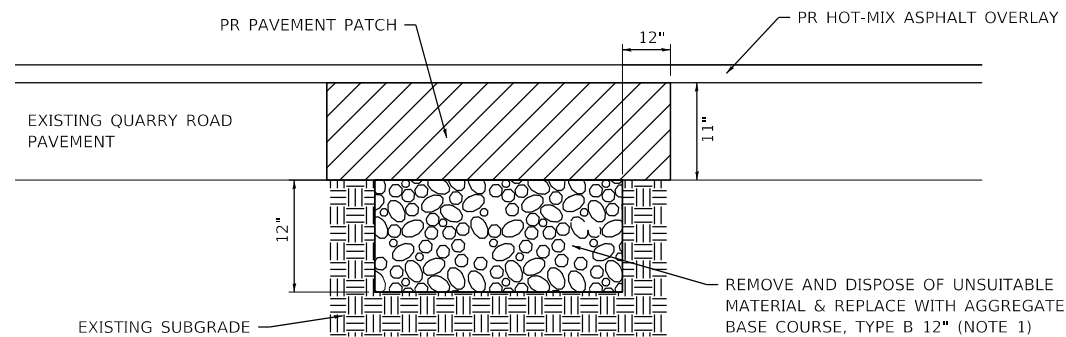


**SECTION A-A**



D-3\_VARx8;  
1.5" Radius, 0.5" Border, White on, Green;  
"Gedern Drive", B 2K; "", B 2K; "", B 2K;

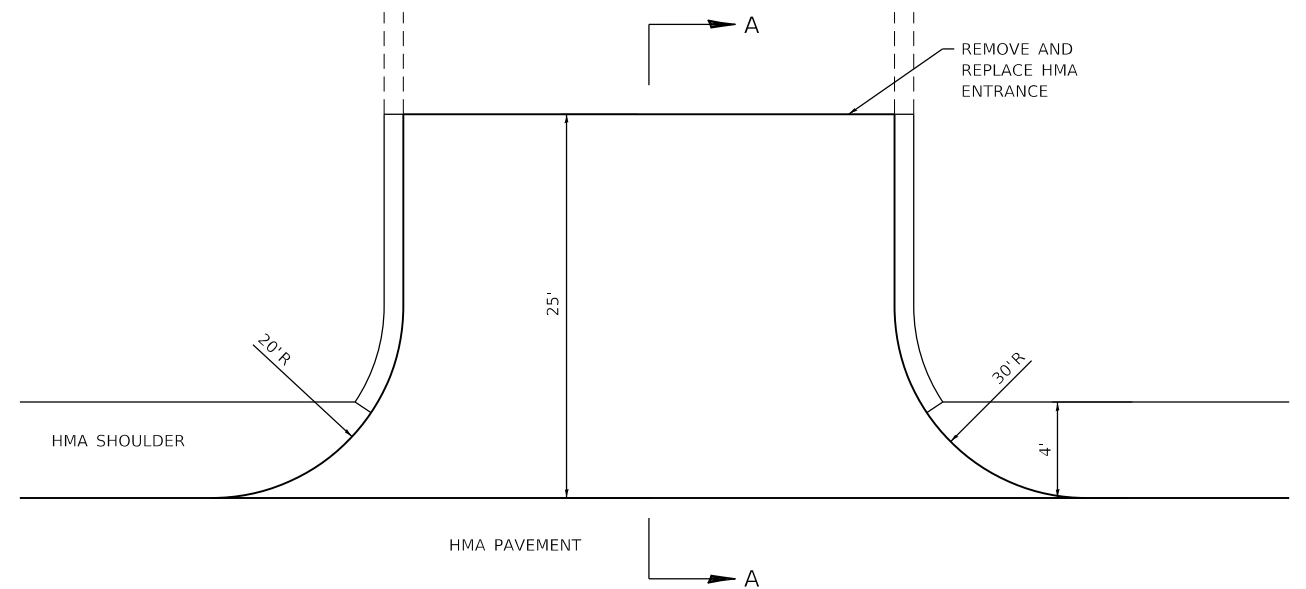
**STREET SIGN DETAIL**  
(NOT TO SCALE)



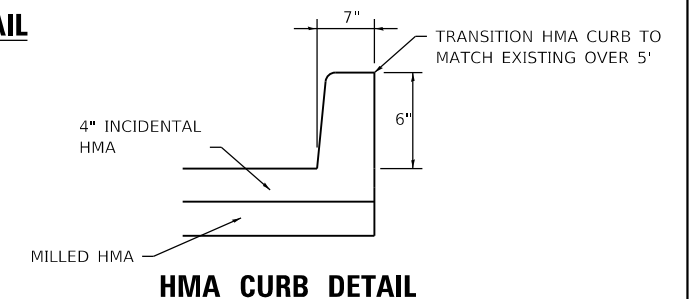
**PAVEMENT PATCHING**  
(NOT TO SCALE)

**PATCHING NOTES:**

1. THE ENGINEER IN THE FIELD WILL DETERMINE WHICH PATCHES (IF ANY) REQUIRE THIS WORK. A QUANTITY FOR THIS SUBGRADE REMEDIATION WORK IS INCLUDED IN THE CONTRACT.



**ENTRANCE DETAIL**  
STA 32+35.6  
(NOT TO SCALE)



**HMA CURB DETAIL**

MODEL: Default; FILE NAME: I:\18124 - Columbus Quarry 80\CADD\Microstation\CADD\_Sheets\0818124-51t-Details.dgn



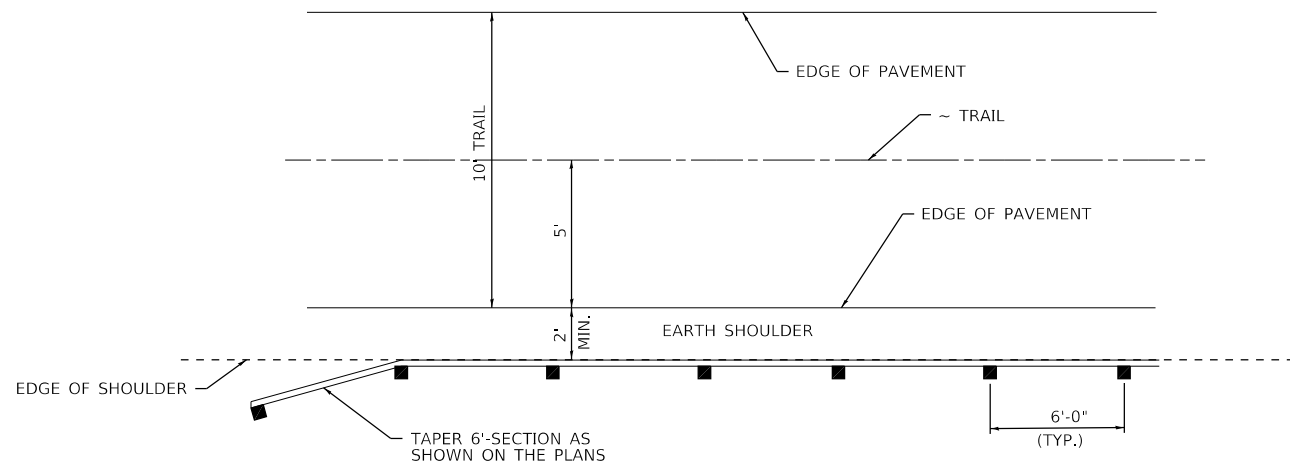
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PLOT DATE = 7/10/2020	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

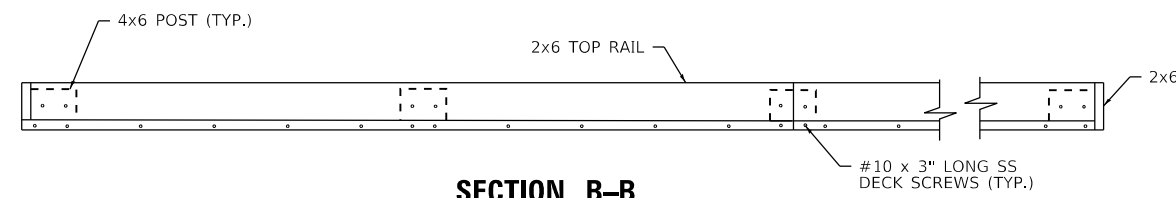
**CONSTRUCTION DETAILS**

SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.

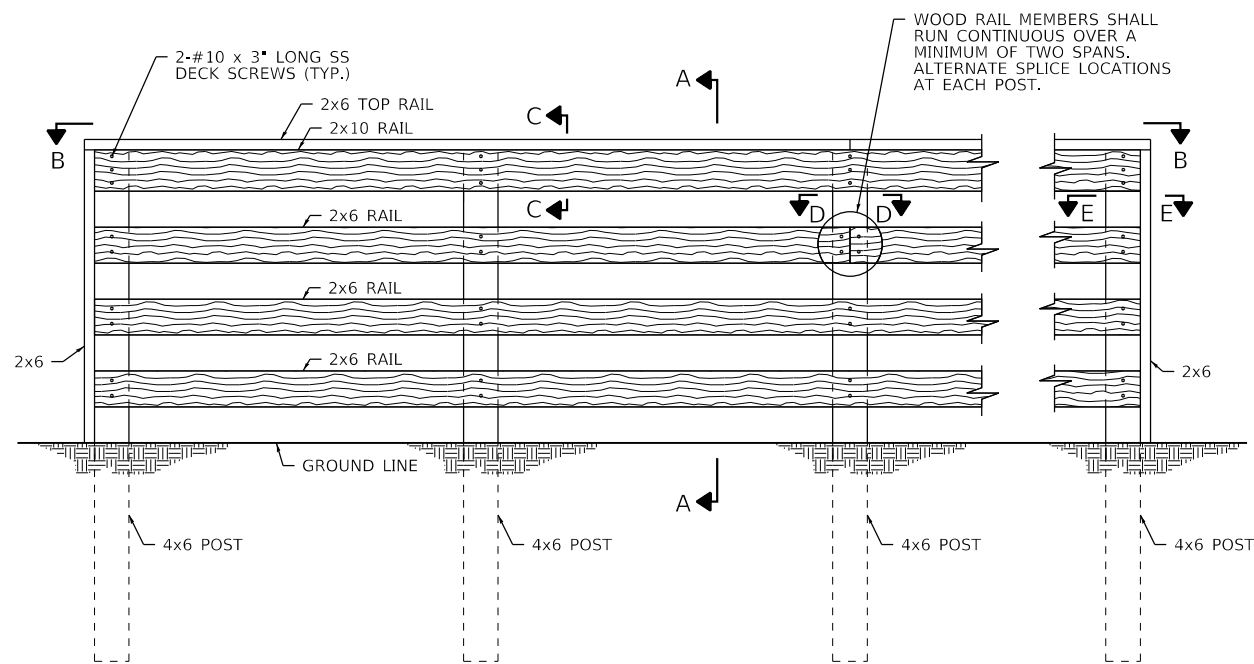
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9311	18-000-54-00-RS	MONROE	38	29
ILLINOIS FED. AID PROJECT			CONTRACT NO. 97737	



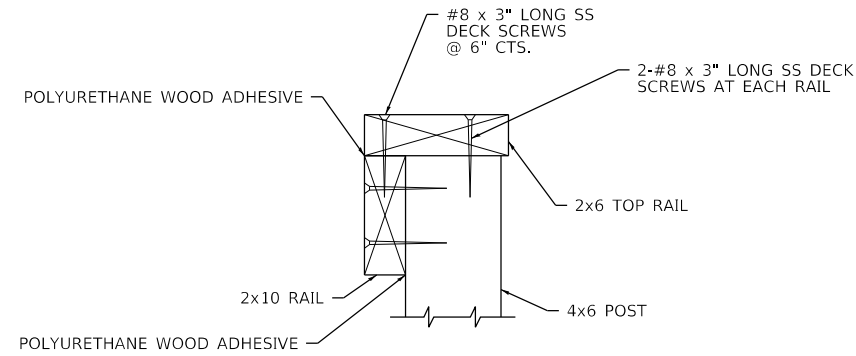
**PLAN**



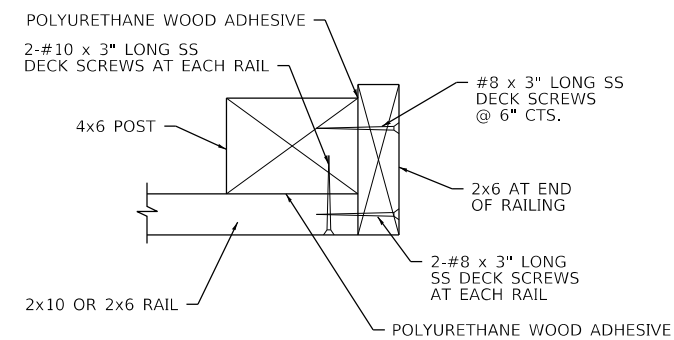
**SECTION B-B**  
(NOT TO SCALE)



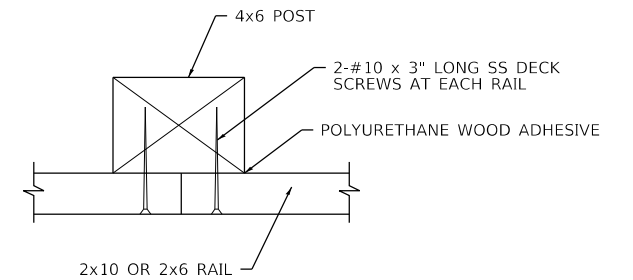
**INSIDE RAIL ELEVATION**



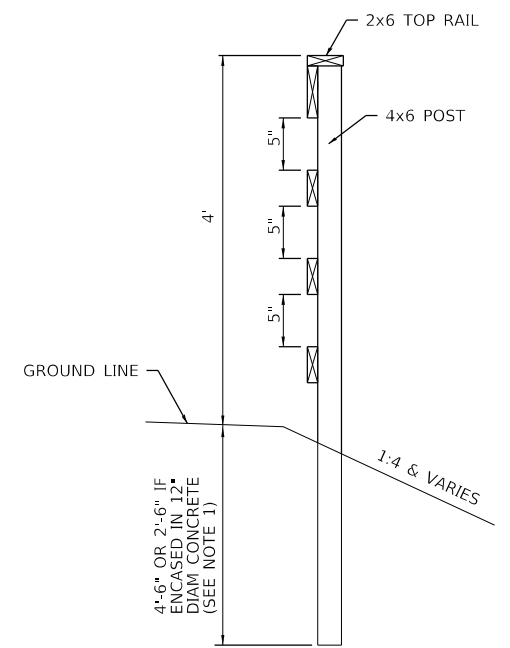
**SECTION C-C**  
(NOT TO SCALE)



**SECTION E-E**  
(NOT TO SCALE)



**SECTION D-D**  
(NOT TO SCALE)



**SECTION A-A**  
(NOT TO SCALE)

NOTE 1: PROPOSED FENCE POSTS MUST BE ENCASED IN CONCRETE IF PLACED ABOVE BOX CULVERT

**WOOD POST AND RAIL FENCE DETAIL**

(NOT TO SCALE)

MODEL: Default  
FILE NAME: I:\18124 - Columbus Quarry 80\CADD\Microstation\CADD\_Sheets\0818124-51t-Details.dgn



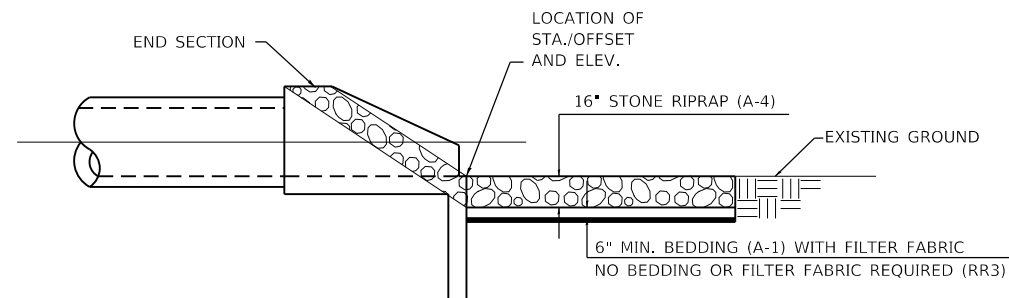
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PLOT SCALE = 2,000' / in.	DRAWN -	REVISED -
PLOT DATE = 7/10/2020	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

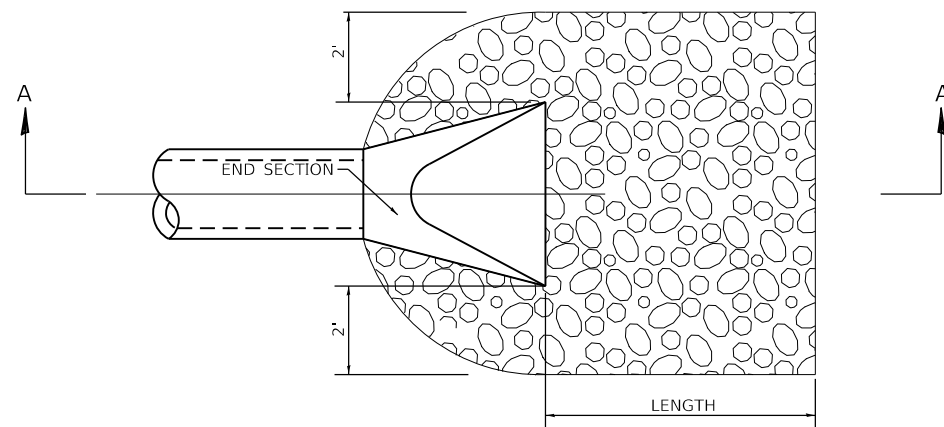
**CONSTRUCTION DETAILS**

SCALE: SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9311	18-000-54-00-RS	MONROE	38	30
			CONTRACT NO. 97737	
ILLINOIS FED. AID PROJECT				



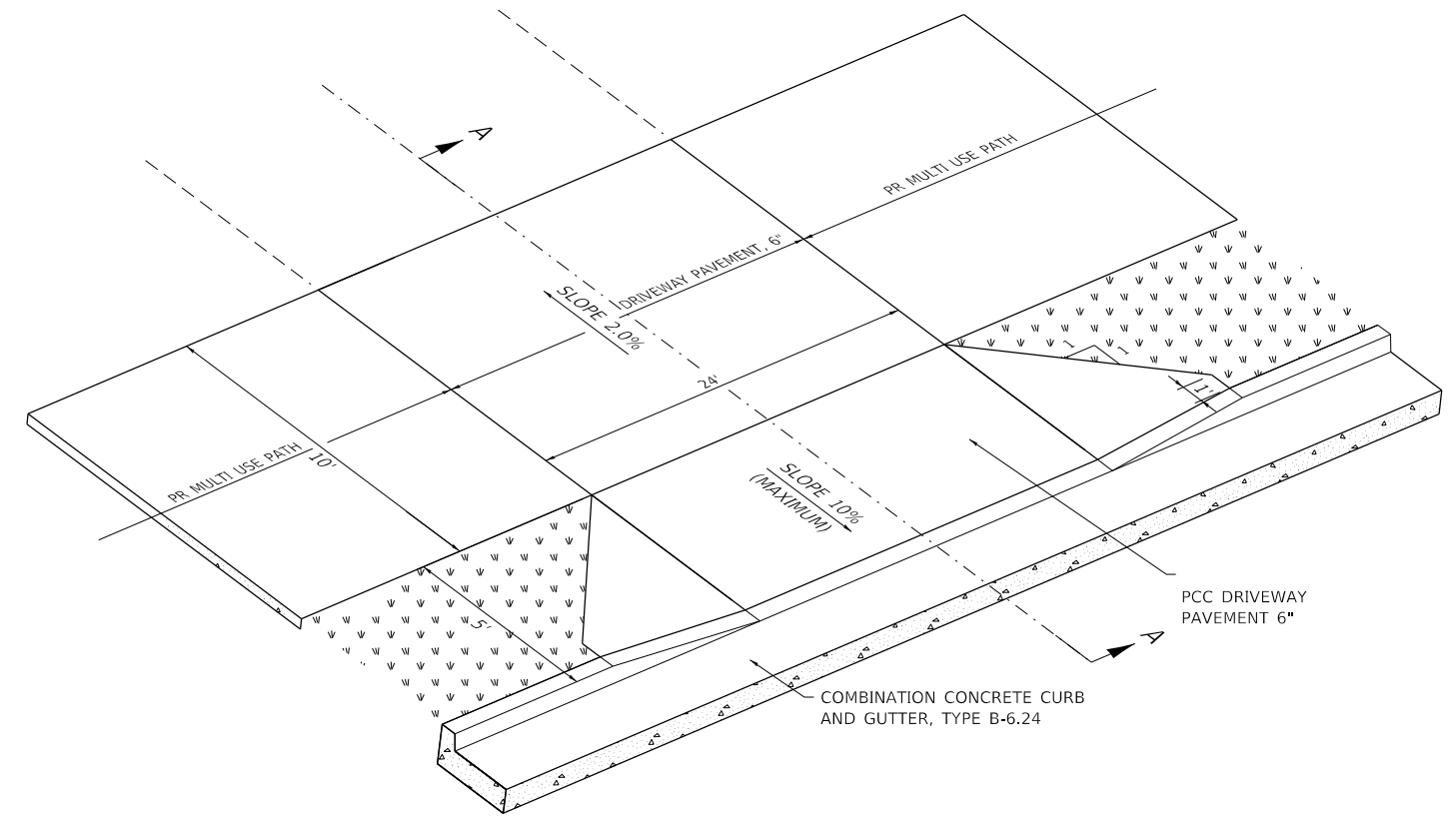
**SECTION A-A**



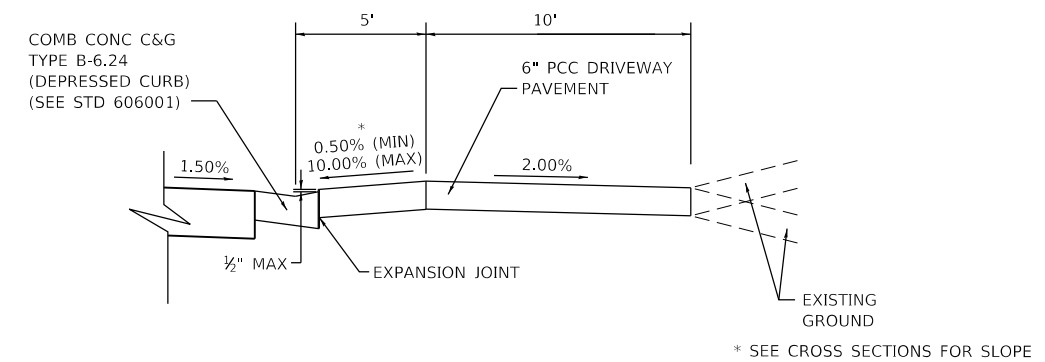
SEE PLAN & PROFILE SHEETS FOR LENGTH OF PROTECTION

**PIPE CULVERT**

**TYPICAL RIPRAP DETAIL**



**3-D VIEW**  
(NOT TO SCALE)



**SECTION A-A**  
(NOT TO SCALE)

**FIELD ENTRANCE WITH PROPOSED MULTI USE PATH**

(NOT TO SCALE)

STA. 35+72.5 RT

MODEL: Default  
FILE NAME: I:\18124 - Columbus Quarry 86\CADD\Microstation\CADD\_Sheets\0818124-51t-Details.dgn



USER NAME = b.heil	DESIGNED -	REVISED -
PLOT SCALE = 2,000' / in.	DRAWN -	REVISED -
PLOT DATE = 7/10/2020	CHECKED -	REVISED -
	DATE -	REVISED -

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

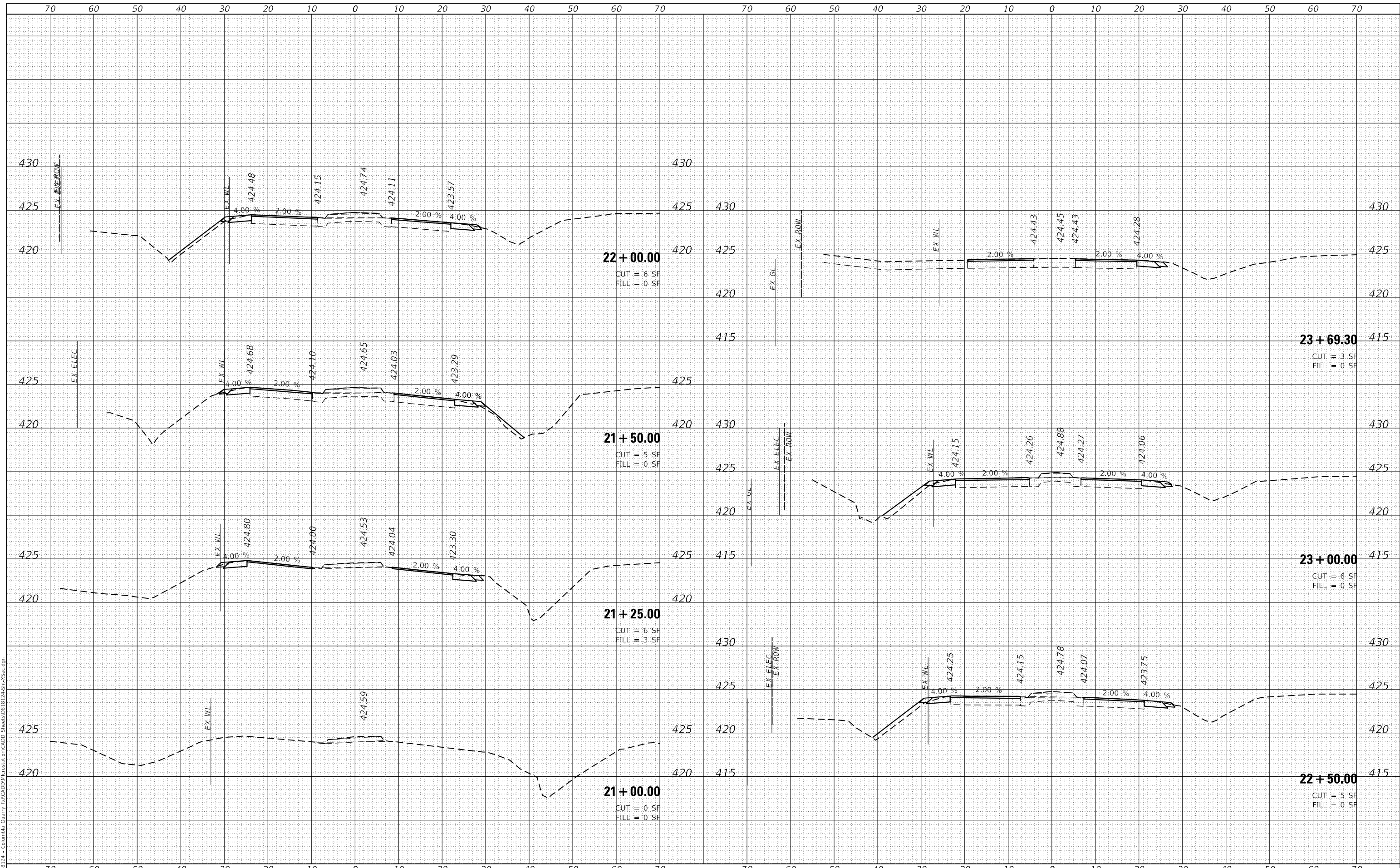
SCALE: SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9311	18-000-54-00-RS	MONROE	38	31
ILLINOIS FED. AID PROJECT			CONTRACT NO. 97737	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

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USER NAME = b.heil	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 7/10/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**

SCALE: SHEET 1 OF 7 SHEETS STA. 21+00.00 TO STA. 23+69.30

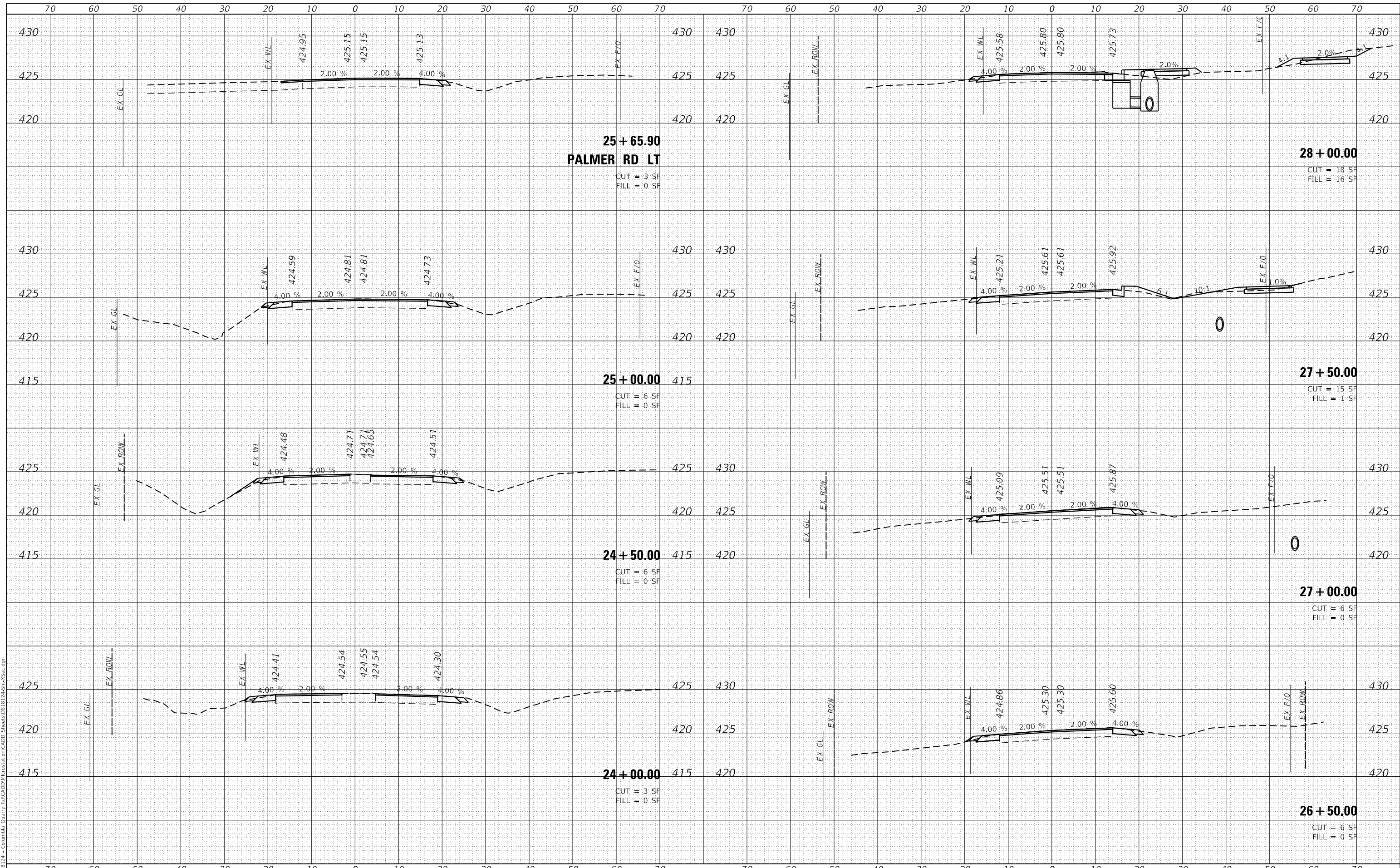
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9311	18-00054-00-R5	MONROE	38	32
CONTRACT NO. 97737				
ILLINOIS		FED. AID PROJECT		



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

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

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USER NAME = b.heil	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 7/10/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**

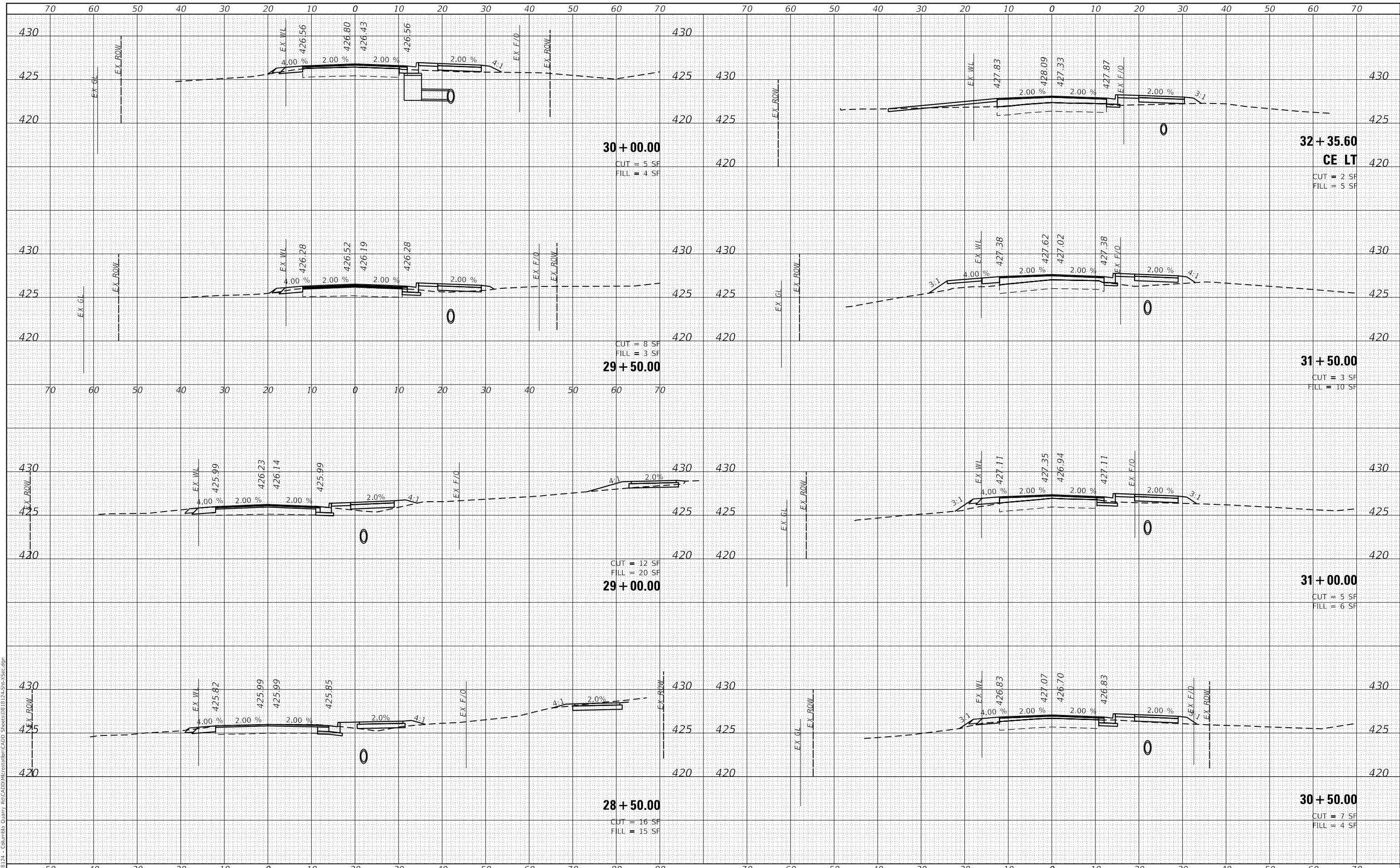
SCALE: SHEET 2 OF 7 SHEETS STA. 24+00.00 TO STA. 28+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9311	18-00054-00-RS	MONROE	38	33
CONTRACT NO. 97737			ILLINOIS FED. AID PROJECT	

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

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

MODEL: Defaul  
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USER NAME = b.heil	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 7/10/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**

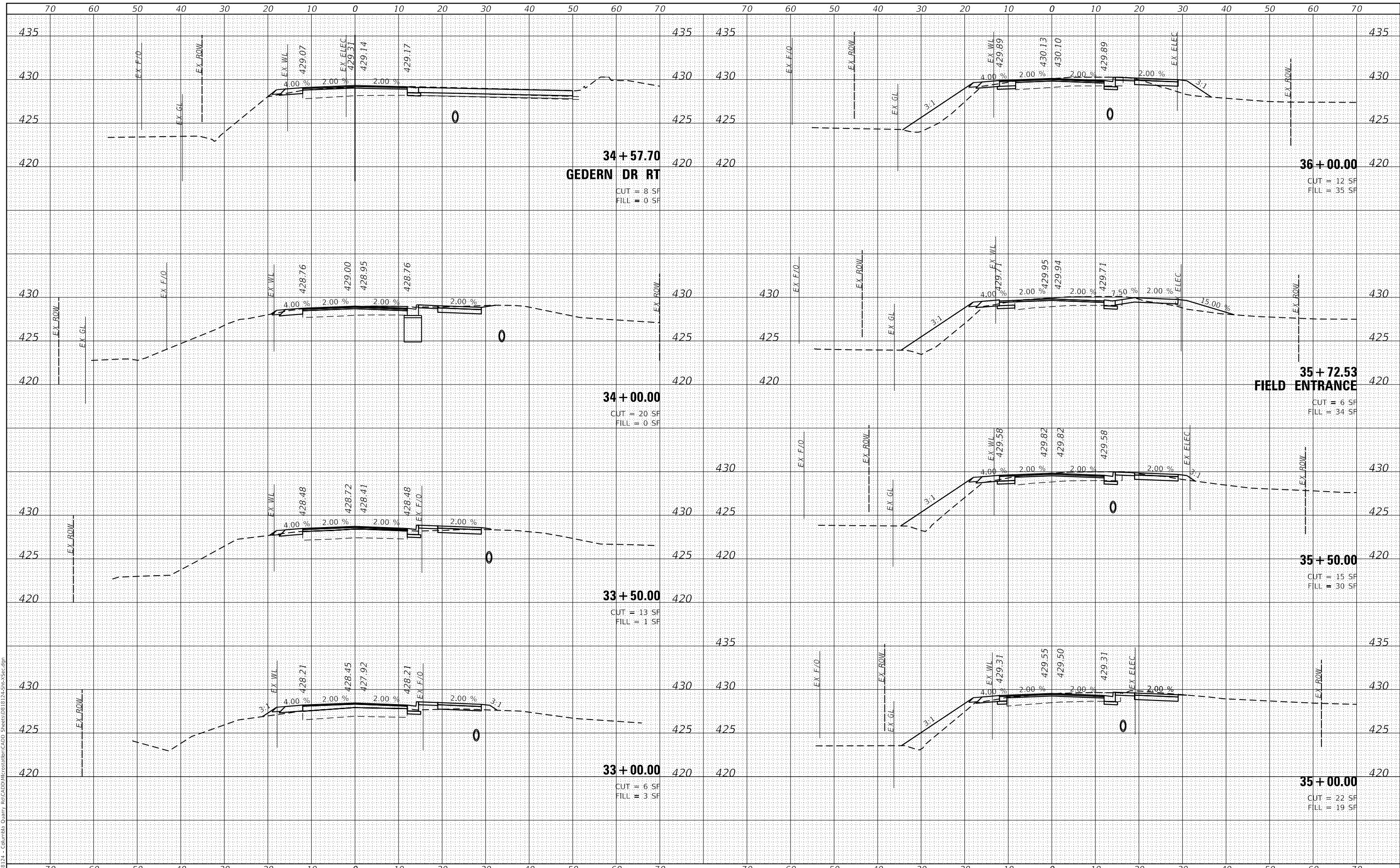
SCALE: SHEET 3 OF 7 SHEETS STA. 28+50.00 TO STA. 32+35.59

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9311	18-00054-00-RS	MONROE	38	34
CONTRACT NO. 97737				
ILLINOIS		FED. AID PROJECT		

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

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

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**OATES ASSOCIATES**  
 ILLINOIS DESIGN FIRM LICENSE NO.: 184,001115

USER NAME = b,hell	DESIGNED -	REVISD -
	DRAWN -	REVISD -
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISD -
PLOT DATE = 7/10/2020	DATE -	REVISD -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**

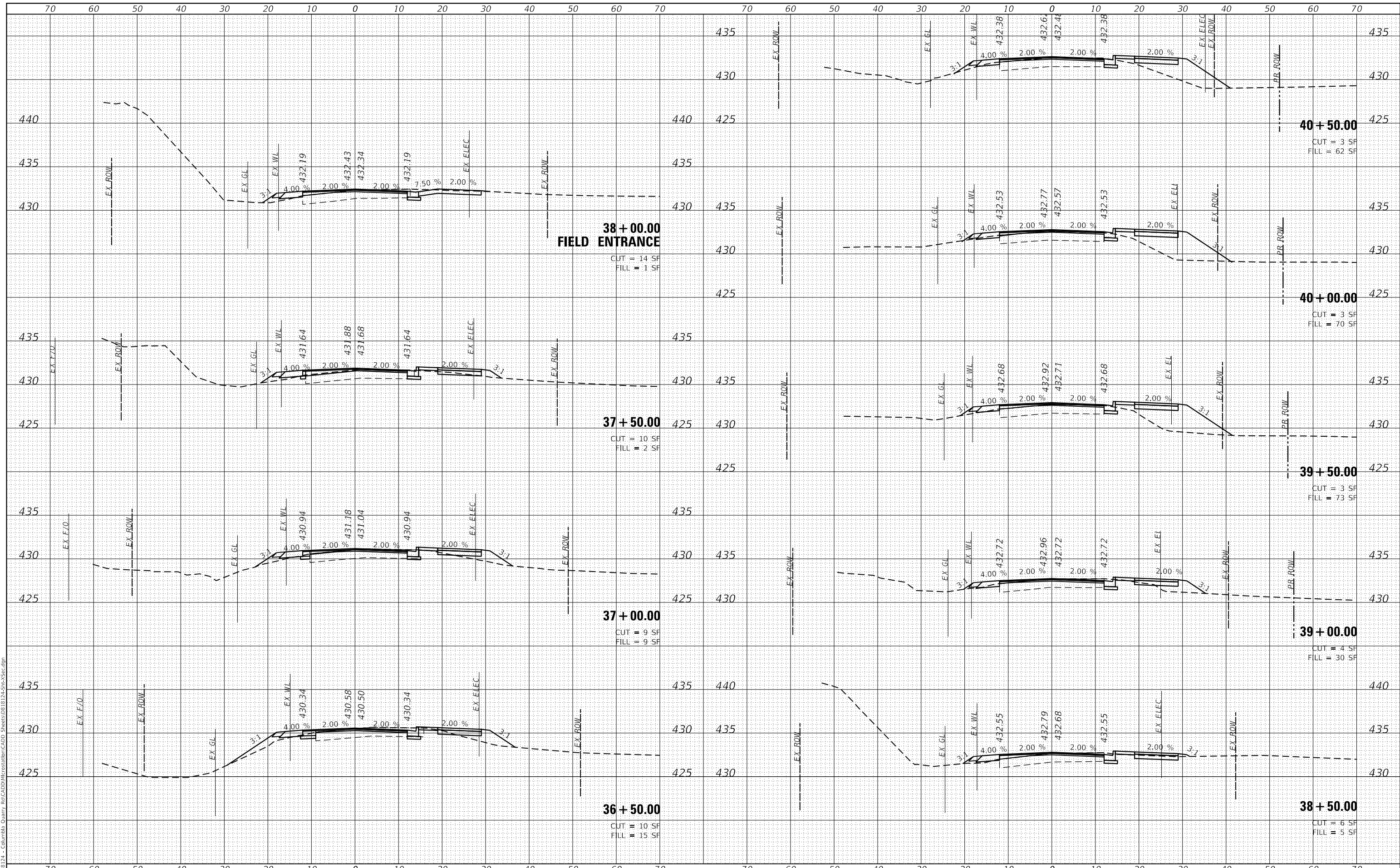
SCALE: SHEET 4 OF 7 SHEETS STA. 33+00.00 TO STA. 36+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9311	18-00054-00-RS	MONROE	38	35
CONTRACT NO. 97737			ILLINOIS FED. AID PROJECT	

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

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

MODEL: Definit  
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**OATES ASSOCIATES**  
 ILLINOIS DESIGN FIRM LICENSE NO.: 184,001115

USER NAME = b.hell	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 7/10/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**

SCALE: SHEET 5 OF 7 SHEETS STA. 36+50.00 TO STA. 40+50.00

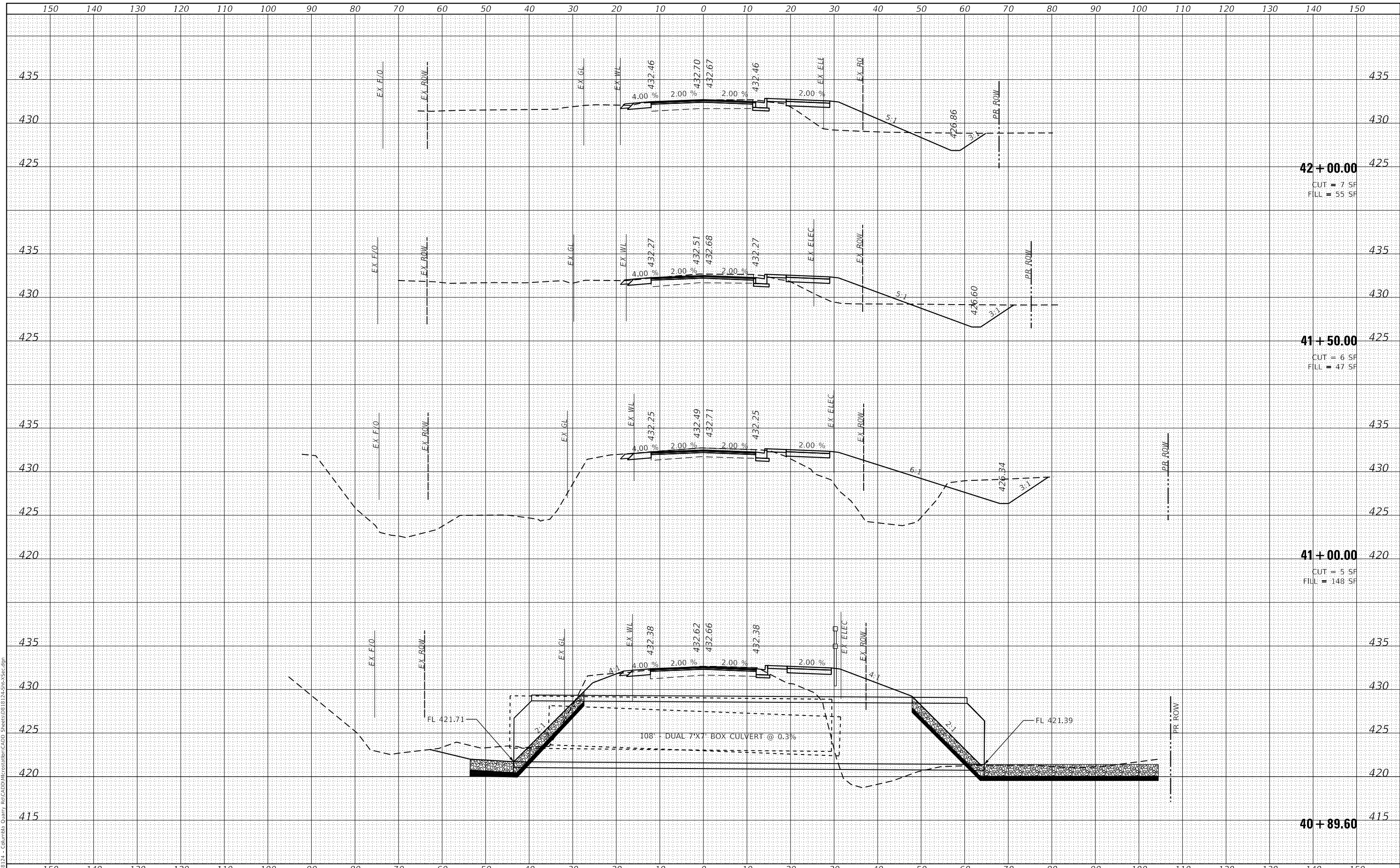
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9311	18-00054-00-RS	MONROE	38	36
CONTRACT NO. 97737			ILLINOIS FED. AID PROJECT	



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

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

MODEL: Definit  
 FILE NAME: I:\18124 - Columbia Quarry & CADD\18124-Sub\Sec.dgn



**42 + 00.00**  
 CUT = 7 SF  
 FILL = 55 SF

**41 + 50.00**  
 CUT = 6 SF  
 FILL = 47 SF

**41 + 00.00**  
 CUT = 5 SF  
 FILL = 148 SF

**40 + 89.60**



USER NAME = b.heil	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 7/10/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**

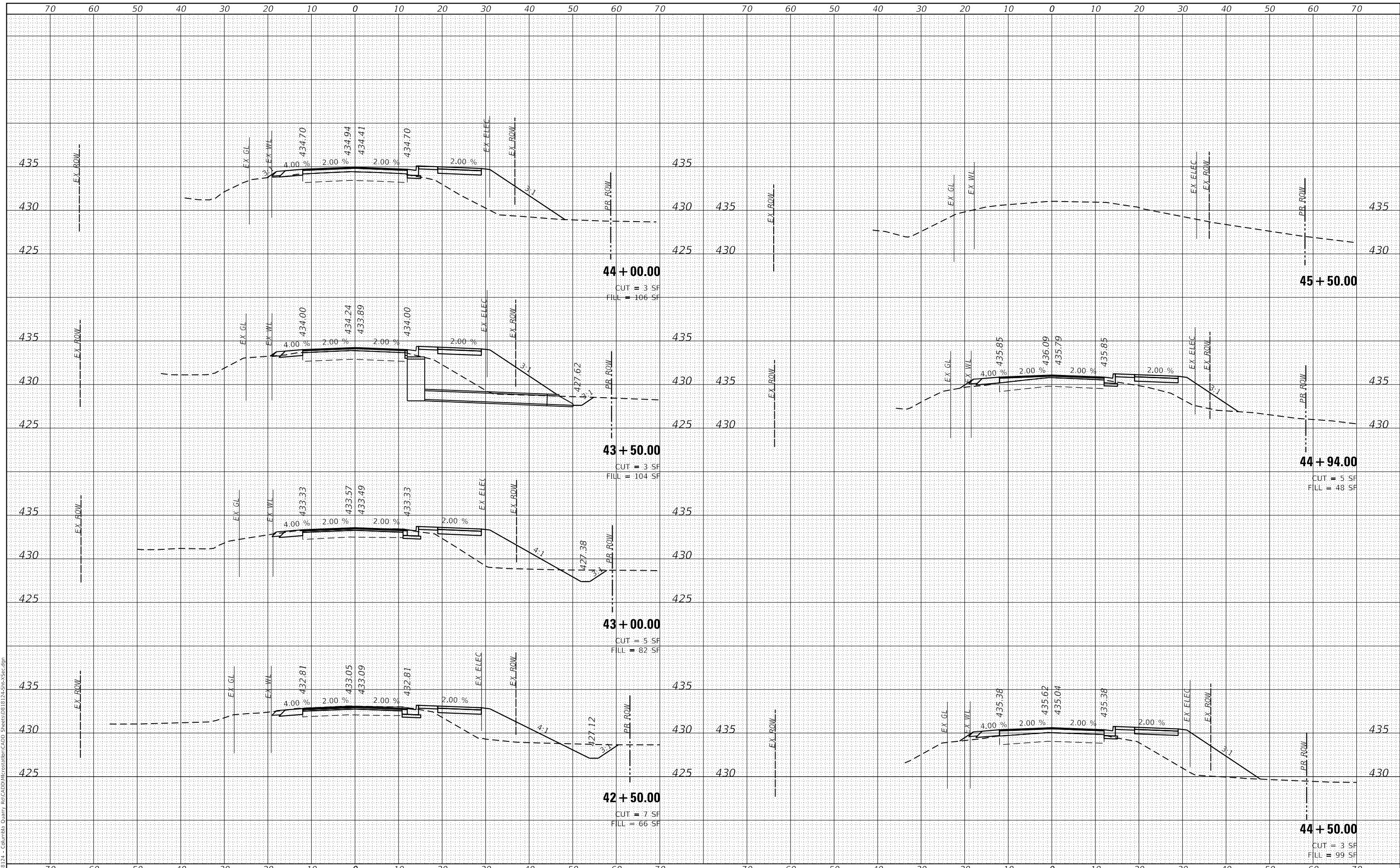
SCALE: SHEET 6 OF 7 SHEETS STA. 40+89.60 TO STA. 42+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9311	18-00054-00-RS	MONROE	38	37
CONTRACT NO. 97737				
ILLINOIS		FED. AID PROJECT		

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

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

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USER NAME = b.heil	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 7/10/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**

SCALE: SHEET 7 OF 7 SHEETS STA. 42+50.00 TO STA. 45+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9311	18-00054-00-R5	MONROE	38	38
CONTRACT NO. 97737				
ILLINOIS FED. AID PROJECT				