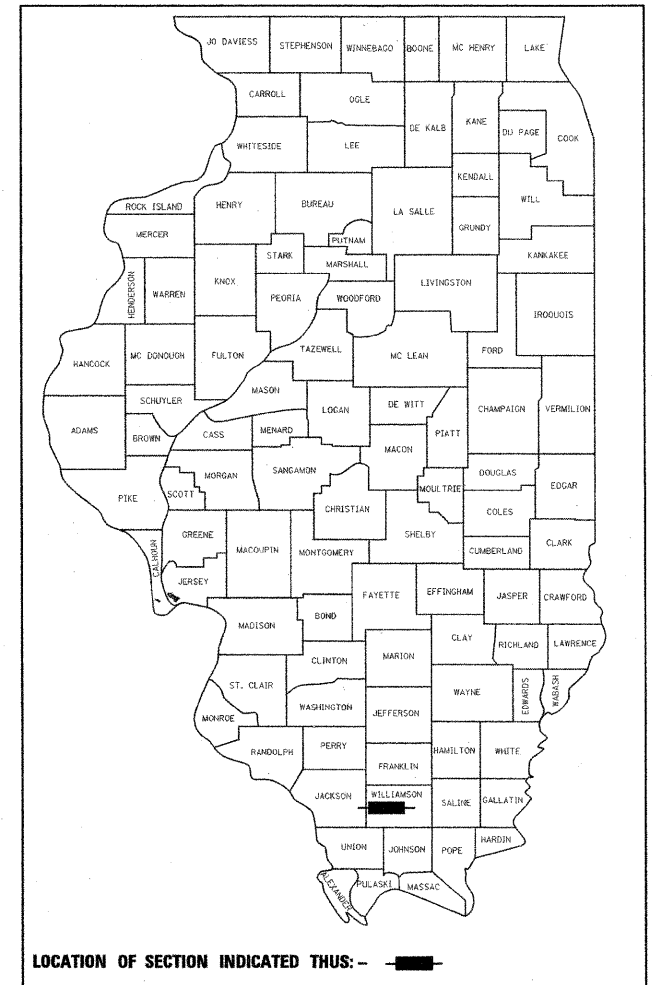


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1X-1) R-7	WILLIAMSON	79	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 78251		

D-99-028-11



LOCATION OF SECTION INDICATED THUS: —

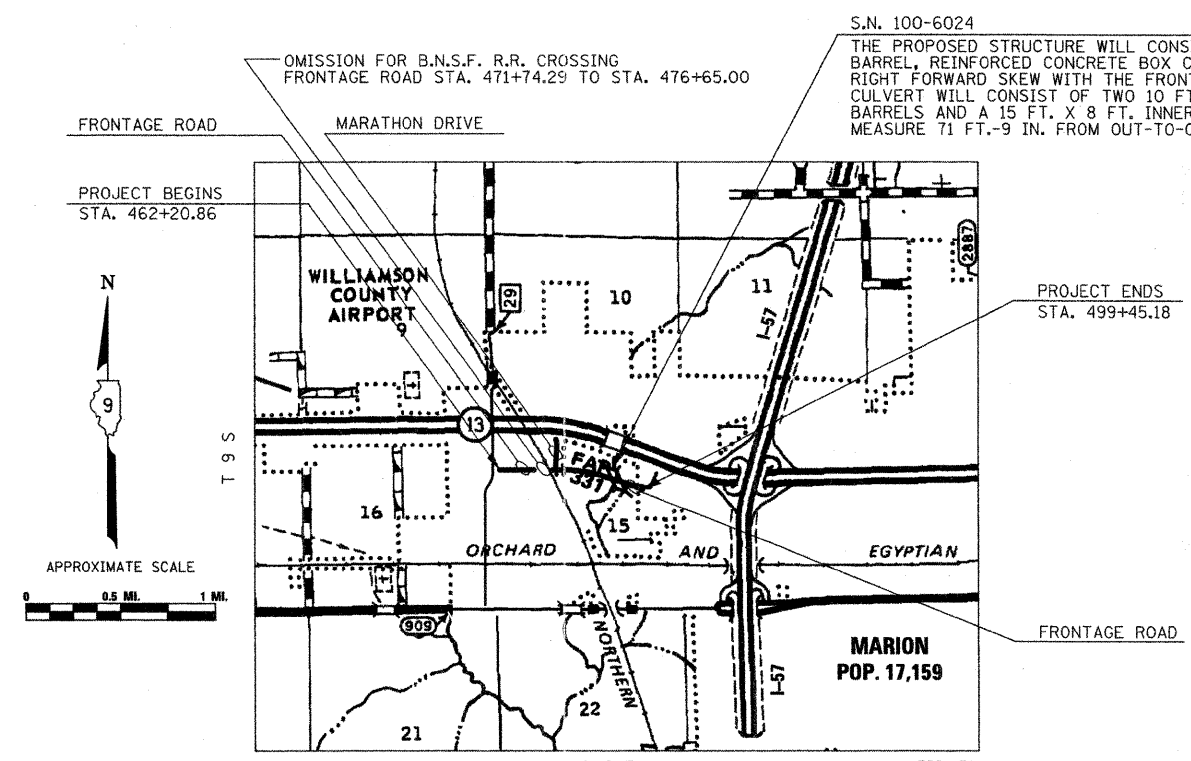
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PROPOSED
HIGHWAY PLANS
FAP ROUTE 331 (IL 13) FRONTAGE ROAD
SECTION (1X-1)R-7
PROJECT NHF-0331(055)
WILLIAMSON COUNTY
C-99-038-11

INDEX OF SHEETS

- 1 COVER SHEET
- 2 GENERAL NOTES, MIXTURE REQUIREMENTS AND COMMITMENTS
- 3-5 SUMMARY OF QUANTITIES
- 6 STATUS OF UTILITIES TO BE ADJUSTED
- 7-8 TYPICAL SECTIONS
- 9-10 SCHEDULES OF QUANTITIES
- 11 SITE PLAN
- 12-13 ALIGNMENT TIES AND BENCHMARKS
- 14 MAINTENANCE OF TRAFFIC CONTROL PLAN
- 15-21 PLAN AND PROFILE - FRONTAGE ROAD
- 22 PLAN AND PROFILE - MARATHON DRIVE
- 23 DRAINAGE PLAN AND PROFILE - FRONTAGE ROAD CHANNEL REALIGNMENT
- 24-27 RIGHT-OF-WAY PLANS
- 28 INTERSECTION DETAILS
- 29-33 PAVEMENT MARKING AND SIGNING PLANS
- 34-38 BOX CULVERT STRUCTURAL PLANS
- 39-42 EROSION CONTROL PLANS - FRONTAGE ROAD
- 43 EROSION CONTROL PLANS - MARATHON DRIVE
- 44 CULVERT PROFILES - FRONTAGE ROAD
- 45 MISCELLANEOUS DETAILS
- 46-51 DISTRICT HIGHWAY STANDARDS
- 52-71 CROSS SECTIONS - FRONTAGE ROAD
- 72-76 CROSS SECTIONS - MARATHON DRIVE
- 77-79 CROSS SECTIONS - FRONTAGE ROAD CHANNEL REALIGNMENT

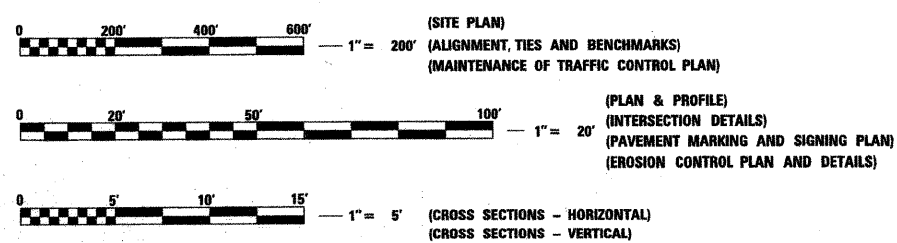
HIGHWAY STANDARDS

- 000001-06 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001001-02 AREAS OF REINFORCEMENT BARS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 280001-05 TEMPORARY EROSION CONTROL SYSTEMS
- 424001-05 CURB RAMPS FOR SIDEWALKS
- 515001-03 NAME PLATE FOR BRIDGES
- 542301-03 PRECAST REINFORCED CONCRETE FLARED END SECTION
- 606001-04 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
- 665001-02 WOVEN WIRE FENCE
- 666001-01 RIGHT OF WAY MARKERS
- 667001-01 DRAINAGE MARKERS
- 667101-01 PERMANENT SURVEY MARKERS
- 701001-02 OFF ROAD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 m) AWAY
- 701006-03 OFF ROAD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM EDGE OF PAVEMENT
- 701101-02 OFF-RD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
- 701106-02 OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 m) AWAY
- 701901-01 TRAFFIC CONTROL DEVICES
- 720001-01 SIGN PANEL MOUNTING DETAILS
- 720006-02 SIGN PANEL ERECTION DETAILS
- 720011-01 METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS
- 728001-01 TELESCOPING STEEL SIGN SUPPORT
- 729001-01 APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)
- 731001-01 BASE FOR TELESCOPING STEEL SIGN SUPPORT
- 780001-02 TYPICAL PAVEMENT MARKINGS
- B.L.R. 21-8 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS



TOTAL LENGTH OF PROJECT = 4,093 FEET = 0.78 MILES
 NET LENGTH OF PROJECT = 3,234 FEET = 0.61 MILES

TRAFFIC DATA	CONSTRUCTION ADT (2014)	DESIGN ADT (2034)	% TRUCKS
MARATHON DR.	820	1,100	1.6%
FRONTAGE RD.	2,890	3,040	1.6%



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: DAVID PICHE (618) 351-5227
CONTRACT NO. 78251

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED March 27, 2011
Scott E. Stitt, P.E.
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 13, 2011
Scott E. Stitt, P.E.
 Acting ENGINEER OF DESIGN AND ENVIRONMENT

May 13, 2011
Christine M. Rood
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

SIGNATURE: Brian M. Bond

DATE SIGNED: 3/27/11

LICENSE EXPIRATION DATE: 11/30/11

CMT
 CRAWFORD, MURPHY & TILLY, INC.
 CONSULTING ENGINEERS
 License No. 184-000813

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OF THE STATE OF ILLINOIS

GENERAL NOTES

- FORMS FOR CONCRETE CURB AND GUTTER SHALL BE OF METAL ONLY, EXCEPT THAT WOOD FORMS MAY BE USED ON SHORT RADIUS CURVES.
- PROTECTIVE COAT SHALL BE APPLIED TO CONCRETE CURB AND GUTTER AND PCC DRIVEWAY PAVEMENT AS NEEDED ACCORDING TO THE SEASONAL REQUIREMENTS FOR ARTICLE 420.18 OF THE STANDARD SPECIFICATION. THE PROTECTIVE COAT SHALL CONSIST OF TWO APPLICATIONS AND EACH APPLICATION SHALL BE AT A RATE OF 25 SQ. YD./GAL.
- ADDITIONAL WIDTH OF GUTTER FLAG, AT LOCATIONS INDICATED ON THE PLANS, SHALL BE POURED MONOLITHICALLY WITH THE NORMAL GUTTER FLAG AND WILL NOT BE MEASURED OR PAID FOR SEPARATELY.
- PRIOR TO PLACEMENT OF FINAL PAVEMENT MARKINGS, THE RESIDENT ENGINEER SHOULD CONTACT THE BUREAU OF OPERATIONS AND ARRANGE FOR INSPECTION AND APPROVAL OF THE PAVEMENT MARKING LAYOUT.
- THE MINIMUM VERTICAL CLEARANCE FOR PERMANENT SIGNS PLACED ON BACKSLOPES SHALL BE 3 FEET MEASURED FROM A POINT DIRECTLY BENEATH THE FAR EDGE OF THE SIGN.
- TRENCH BACKFILL REQUIRED FOR STORM SEWER SHALL ONLY BE PLACED UP TO ONE FOOT BELOW THE FINAL GRADE IN AREAS HAVING A PROPOSED GRASS OR SOD SURFACE.
- STONE RIP RAP USED IN DITCHES SHOULD BE PLACED IMMEDIATELY UPON COMPLETION OF EARTHWORK AND GRADING IN ORDER TO PREVENT EROSION.
- IT WILL BE CONTRACTOR'S RESPONSIBILITY TO REMOVE ANY DEBRIS OR DIRT CAUSED BY CONSTRUCTION ACTIVITY THAT COVERS THE NEW RIP RAP AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- CONNECTIONS OF NEW OR EXISTING STORM SEWERS TO NEW OR EXISTING STORM INLETS OR MANHOLES SHALL BE MADE IN A MANNER WHICH RESULTS IN A NEAT AND WATERTIGHT JOINT. WHEN PLACED THROUGH THE WALL OF AN INLET OR MANHOLE, STORM SEWER PIPES SHALL BE PLACED OR CUT FLUSH WITH THE FACE OF THE WALL AND DRESSED WITH MORTAR TO PROVIDE A SMOOTH ROUNDED OR BEVELED EDGE. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICES OF THE STORM SEWERS OR STRUCTURES INVOLVED.
- IF SO DIRECTED BY THE ENGINEER, DITCHES ADJACENT TO EMBANKMENTS SHALL BE CONSTRUCTED PRIOR TO STARTING THE CONSTRUCTION OF THE EMBANKMENT FILL.
- TREES SHALL BE PRESERVED THROUGHOUT THIS SECTION AS SHOWN ON THE PLANS AND DIRECTED BY THE ENGINEER, GENERALLY, TREES OUTSIDE THE CLEAR ZONE, AND WHICH DO NOT INTERFERE WITH CONSTRUCTION, SHALL NOT BE DISTURBED.
- EXISTING DRIVEWAYS WILL BE SAWCUT TO OBTAIN A NEAT EDGE FOR REMOVAL AND REPLACEMENT. THE COST OF THE SAWCUT IS INCLUDED IN THE COST OF DRIVEWAY PAVEMENT REMOVAL.
- EXISTING UNDERGROUND AND ABOVE-GRADE FACILITIES, STRUCTURES, AND UTILITIES HAVE BEEN PLOTTED ON THESE CONTRACT DOCUMENTS BASED UPON THE INFORMATION AND SURVEYS AVAILABLE AT THE TIME OF DRAWING PREPARATION. THE LOCATION OF THESE FEATURES MUST, THEREFORE, BE CONSIDERED APPROXIMATE ONLY. IN ADDITION, THERE MAY BE OTHER FACILITIES, STRUCTURES, AND UTILITIES WHICH DID NOT EXIST (OR THE EXISTENCE OF WHICH WAS NOT KNOWN) AT THE TIME OF DRAWING PREPARATION. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR(S) TO HAVE ALL EXISTING FACILITIES, STRUCTURES, AND UTILITIES LOCATED IN THE FIELD PRIOR TO ANY EXCAVATION OR CONSTRUCTION ACTIVITY; AND TO PROTECT ALL SUCH EXISTING FEATURES (EXCEPT THOSE SPECIFICALLY NOTED FOR REMOVAL OR DEMOLITION) DURING CONSTRUCTION.
- GRADING SHALL BE DONE BY HAND AROUND LIGHT POLES, UTILITY POLES, SIGN POSTS, SHRUBS, TREES OR OTHER NATURAL OR MAN-MADE OBJECTS WHERE SHALLOW FILLS OR CUTS ARE ADJACENT TO THE ITEMS. IT IS THE INTENT THAT THE LIMITS OF CONSTRUCTION BE SUCH AS TO PRESERVE IN THE ORIGINAL STATE AS MUCH AREA OF TEMPORARY EASEMENTS AS POSSIBLE. THE DECISION AS TO ITEMS TO REMAIN IN PLACE SHALL BE DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER CUBIC YARD FOR EARTH EXCAVATION, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- SEEDING SHALL BE DONE ON ALL AREAS THAT ARE DISTURBED BY CONSTRUCTION OPERATIONS AS DIRECTED BY THE ENGINEER. SEEDING SHALL BE PAID FOR ONLY WITHIN THE PROPOSED RIGHT-OF-WAY OR EASEMENT LIMITS. ALL AREAS DISTURBED BY THE CONTRACTOR OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE SEEDED, AS DIRECTED BY THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.
- THE REMOVAL OF EXISTING ENTRANCE PIPE CULVERTS ENCASED IN CONCRETE WILL BE CONSIDERED INCLUDED IN THE COST OF OTHER ITEMS OF CONSTRUCTION IF ONLY THE ENDS OF THE CULVERT (2 FT. OR LESS) ARE ENCASED. IF MORE THAN (2 FT.) AT THE ENDS OF THE CULVERT ARE ENCASED IN CONCRETE, THE REMOVAL WILL BE PAID FOR ACCORDING TO ARTICLE 109.04.
- WHERE SECTION OR SUB-SECTION MARKERS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE DEPARTMENT, AN AUTHORIZED AGENT, OR LAND SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
- FACTORS USED FOR ESTIMATING PLAN QUANTITIES ARE AS FOLLOWS AND SHALL NOT BE USED FOR THE BASIS OF FINAL QUANTITIES:

ALL HOT MIX ASPHALT	2.016 TONS/CU.YD.
ALL AGGREGATE	2.05 TONS/CU.YD.
BITUMINOUS MATERIALS:	
ON PAVEMENT	0.09 GAL./SQ.YD.
INTERMEDIATE LIFTS (FOG COAT)	0.04 GAL./SQ.YD.
ON AGGREGATE SURFACE	0.32 GAL./SQ.YD.
AGGREGATE (PRIME COAT)	0.0015 TONS/SQ.YD.
RIPRAP	1.50 TONS/CU.YD.
LIME (5% BY WEIGHT OF SOIL)	67.5 LBS/SQ.YD.
SOIL (DRY DENSITY)	100 LBS/CU.FT.
PROTECTIVE COAT	25 SQ.YD./GAL.

- THE THICKNESS OF HOT MIX ASPHALT 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 HOT MIX ASPHALT IS PLACED.
- THE QUANTITY FOR BITUMINOUS MATERIALS PRIME COAT INCLUDED IN THE PLANS IS BASED ON AN ANTICIPATED SEQUENCE OF CONSTRUCTION, AND 4 IN. MAXIMUM LIFTS. THE ACTUAL QUANTITY MAY VARY DEPENDENT ON THE CONTRACTOR'S SEQUENCE OF OPERATIONS.
- ANY MIXING OR PLACEMENT OF BITUMINOUS MIXTURES OCCURRING PRIOR TO THE TEST STRIP EVALUATION IS AT THE CONTRACTOR'S OWN RISK.
- PAYMENT FOR TIE BARS AND DOWEL BARS SHALL BE INCLUDED IN THE COST OF THE PROPOSED PAVEMENT AND/OR COMBINATION CURB AND GUTTER.
- AFTER A LIFT OF BITUMINOUS CONCRETE HAS BEEN PLACED ON A LANE, THAT LANE SHALL REMAIN CLOSED TO TRAFFIC UNTIL THE NEW MAT HAS COOLED TO 150° F.
- EXISTING SURFACE DISTURBED DURING EXCAVATION FOR FOUNDATIONS AND PUSH PITS SHALL BE RESTORED TO THE LIMITS AND CONDITION SPECIFIED BY THE ENGINEER OR AS SHOWN ON THE PLANS. UNLESS NOTED OTHERWISE ON THE PLANS, THE REMOVAL AND RESTORATION SHALL BE INCLUDED IN THE CONTRACT.
- THE EXISTING ROAD SIGNS THAT INTERFERE WITH CONSTRUCTION WILL BE REMOVED OR RELOCATED AS DIRECTED BY THE ENGINEER ACCORDING TO ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS. AFTER THE CONSTRUCTION IS COMPLETED, THE CONTRACTOR WILL RE-ERECT THE SIGNS AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO COMPENSATION WILL BE ALLOWED.
- THE QUANTITY OF EROSION CONTROL BLANKET SHOWN ON THE PLANS IS ONLY AN ESTIMATE. THE ACTUAL AMOUNT USED, AND LOCATION, SHALL BE DETERMINED BY THE ENGINEER.
- ALL STORM SEWERS SHALL BE "REINFORCED CONCRETE CULVERT, STORM DRAIN AND SEWER PIPE" CONFORMING TO THE REQUIREMENTS OF ARTICLE 1040.03.
- IF ASH TREES ARE REMOVED ON THE PROJECT, THE CONTRACTOR SHALL BECOME FAMILIAR WITH AND COMPLY WITH MEASURES SPECIFIED BY THE ILLINOIS DEPARTMENT OF AGRICULTURE (IDOA) TO PREVENT THE SPREAD OF THE EMERALD ASH BORE. THE IDOA INFORMATION FOR ASH TREE REMOVAL CAN BE FOUND ON THE IDOA WEBSITE AT WWW.AGR.STATE.IL.US/EAB.
- ALL OFFSETS TO MANHOLES AND INLETS PLACED IN THE CURB AND GUTTER ARE TO THE EDGE OF PAVEMENT. ALL OFFSETS TO MANHOLES AND INLETS PLACED OUTSIDE THE CURB AND GUTTER SUCH AS TURF INLETS OR MEDIAN INLETS ARE TO THE CENTER OF THE STRUCTURE. ALL OFFSETS AND INVERTS FOR END SECTIONS ARE AT THE APPROPRIATE INLET OR OUTLET END OF THE STRUCTURE'S CENTERLINE.
- THE CONTRACTOR SHALL BE REQUIRED TO CLEAR AND REMOVE ALL UNSUITABLE OBJECTS INCLUDING BUT NOT LIMITED TO TRASH, RAILROAD TIES AND CONCRETE RUBBLE OR BUMPER BLOCKS. THE COST TO REMOVE AND DISPOSE THESE ITEMS SHALL BE CONSIDERED INCIDENTAL TO EARTH EXCAVATION.
- TREE REMOVAL OPERATIONS SHALL BE REQUIRED AT LOCATIONS SHOWN ON THE TREE REMOVAL SCHEDULE AND AS MARKED IN THE PLANS. TREE REMOVAL BY ACRE SHALL INCLUDE THE AREA WITHIN THE GRADING LIMITS FOR THE SPECIFIED STATION RANGE. TREE REMOVAL NECESSARY FOR THE INSTALLATION OF ANY PROPOSED FENCE OUTSIDE THE GRADING LIMITS SHALL BE CONSIDERED INCIDENTAL TO THE COST FOR WOVEN WIRE FENCE, 4'.

MIXTURE REQUIREMENTS

LOCATION(S):	HOT-MIX ASPHALT BINDER COURSE (FRONTAGE RD., MARATHON DR.)
MIXTURE USE(S):	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, N105, IL-19.0
AC/PG:	SBS PG76-22
RAP % (MAX):	0
DESIGN AIR VOIDS:	4.0%, 105 GYRATION DESIGN
MIXTURE COMPOSITION:	IL-19.0
(GRADATION MIXTURE)	
FRICTION AGGREGATE:	NONE

LOCATION(S):	HOT-MIX ASPHALT SURFACE COURSE (FRONTAGE RD., MARATHON DR.)
MIXTURE USE(S):	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX D, N105
AC/PG:	SBS PG76-22
RAP % (MAX):	0
DESIGN AIR VOIDS:	4.0%, 105 GYRATION DESIGN
MIXTURE COMPOSITION:	IL-9.5 mm OR IL 12.5 mm
(GRADATION MIXTURE)	
FRICTION AGGREGATE:	D SURFACE

COMMITMENTS

- TREE CLEARING SHALL BE PROHIBITED FROM APRIL 1 TO SEPTEMBER 30 TO AVOID IMPACTS TO THE INDIANA BAT.
- WETLANDS TO REMAIN SHALL BE PROTECTED FROM CONSTRUCTION ACTIVITIES USING PERIMETER BARRIER FENCING AND APPROPRIATE EROSION CONTROL MEASURES.
- THE CITY OF MARION WILL BE CONTACTED BY THE CONTRACTOR 14 DAYS BEFORE THE TEMPORARY CLOSURE OF ANY CITY STREET.

PREPARED BY:	<i>Joe Wankiewicz</i> DISTRICT STUDIES & PLANS ENGINEER
EXAMINED BY:	<i>James Travis Emery</i> DISTRICT LAND ACQUISITION ENGINEER
EXAMINED BY:	<i>Carrie Nelson</i> DISTRICT PROGRAM DEVELOPMENT ENGINEER
EXAMINED BY:	<i>Vel Nely</i> DISTRICT OPERATIONS ENGINEER
EXAMINED BY:	<i>[Signature]</i> DISTRICT CONSTRUCTION ENGINEER
EXAMINED BY:	<i>[Signature]</i> DISTRICT MATERIALS ENGINEER
APPROVED BY:	<i>[Signature]</i> DEPUTY DIRECTOR OF HIGHWAYS, REGION 5 ENGINEER
DATE:	<i>[Signature]</i>

FILE NAME =	USER NAME = Brian Bond	DESIGNED - KPF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES, MIXTURE REQUIREMENTS & COMMITMENTS ILLINOIS ROUTE 13 FRONTAGE ROAD				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
L:\1001\0906603\Draw\CADD_Sheets\Frontage Road Contract\0998859-sht-gennotes.dgn	DRAWN - AJK	REVISED -	REVISED -						331	(1X-1) R-7	WILLIAMSON	79	2
PLOT SCALE = 50.0000' / IN.	CHECKED - SPH	REVISED -	REVISED -		SCALE: N/A SHEET NO. OF SHEETS STA. TO STA.				CONTRACT NO. 78251				
PLOT DATE = 3/22/2011	DATE - 3/16/11	REVISED -	REVISED -		ILLINOIS FED. AID PROJECT								

SUMMARY OF QUANTITIES

				WILLIAMSON COUNTY	
				URBAN	
				FUNDING: STP 80% FEDERAL 20% STATE	FUNDING: STP 80% FEDERAL 20% STATE
				CONSTRUCTION TYPE CODE	CONSTRUCTION TYPE CODE
CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	0001	0008
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	325	325	
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	484	484	
20100500	TREE REMOVAL, ACRES	ACRE	1.50	1.50	
20101000	TEMPORARY FENCE	FOOT	1,662	1,662	
20200100	EARTH EXCAVATION	CU YD	9,650	9,650	
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	6,111	5,675	436
20300100	CHANNEL EXCAVATION	CU YD	1,930	1,930	
20400800	FURNISHED EXCAVATION	CU YD	14,237	14,237	
20700220	POROUS GRANULAR EMBANKMENT	CU YD	1,083		1,083
20800150	TRENCH BACKFILL	CU YD	260	260	
* 25000200	SEEDING, CLASS 2	ACRE	5.00	5.00	
* 25000350	SEEDING, CLASS 7	ACRE	5.00	5.00	
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	649	649	
* 25000500	PHOSPHOROUS FERTILIZER NUTRIENT	POUND	449	449	
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	449	449	
* 25000700	AGRICULTURAL GROUND LIMESTONE	TON	20.0	20.0	
* 25100115	MULCH, METHOD 2	ACRE	10.00	10.00	
25100630	EROSION CONTROL BLANKET	SQ YD	67	67	
28000305	TEMPORARY DITCH CHECKS	FOOT	387	387	
28000400	PERIMETER EROSION BARRIER	FOOT	5,074	5,074	
28000500	INLET AND PIPE PROTECTION	EACH	15	15	
28100105	STONE RIPRAP, CLASS A3	SQ YD	109	109	
28100107	STONE RIPRAP, CLASS A4	SQ YD	148	148	
28100109	STONE RIPRAP, CLASS A5	SQ YD	1,306	1,142	164
28200200	FILTER FABRIC	SQ YD	1,514	1,290	224
31000900	PROCESSING LIME STABILIZED SOIL MIXTURE 18"	SQ YD	7,494	7,494	
31001500	LIME	TON	253.0	253.0	

* SPECIALTY ITEM

FILE NAME =	USER NAME = Brian Bond	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES ILLINOIS ROUTE 13 FRONTAGE ROAD	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I:\DOT\0906603\Draw\CADD_Sheets\Frontage Road Contract\0906659-shr-S00001.dgn	DRAWN -	REVISED -	331			(1X-1) R-7	WILLIAMSON	79	3	
PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -	CONTRACT NO. 78251							
PLOT DATE = 7/1/2011	DATE = 3/16/11	REVISED -	SCALE: N/A			SHEET NO. OF SHEETS	STA. N/A TO STA. N/A	ILLINOIS FED. AID PROJECT		

SUMMARY OF QUANTITIES

				WILLIAMSON COUNTY	
				URBAN	
				FUNDING: STP 80% FEDERAL 20% STATE	FUNDING: STP 80% FEDERAL 20% STATE
				CONSTRUCTION TYPE CODE	CONSTRUCTION TYPE CODE
CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	0001	0008
31100100	SUBBASE GRANULAR MATERIAL, TYPE A	TON	8,243	8,243	
40200100	AGGREGATE SURFACE COURSE, TYPE A	TON	16	16	
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	50	50	
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	6,921	6,921	
40603245	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N105	TON	1,800	1,800	
40603550	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N105	TON	1,080	1,080	
42001300	PROTECTIVE COAT	SQ YD	5,154	5,154	
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	195	195	
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	3,787	3,787	
42400800	DETECTABLE WARNINGS	SQ FT	81.2	81.2	
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	27	27	
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	44	44	
44004250	PAVED SHOULDER REMOVAL	SQ YD	1,900	1,900	
44201741	CLASS D PATCHES, TYPE II, 8 INCH	SQ YD	10	10	
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	55,660		55,660
50901720	BICYCLE RAILING	FOOT	61		61
51500100	NAME PLATES	EACH	1		1
54003000	CONCRETE BOX CULVERTS	CU YD	282.1		282.1
54010503	PRECAST CONCRETE BOX CULVERTS 5' X 3'	FOOT	50	50	
542A0217	PIPE CULVERTS, CLASS A, TYPE 1 12"	FOOT	60	60	
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	8	8	
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	2	2	
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	1	1	
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	2	2	
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	562	562	
550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	277	277	
550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	245	245	

FILE NAME =	USER NAME = Brian Bond	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES ILLINOIS ROUTE 13 FRONTAGE ROAD				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
J:\100T\09066803\Draw\CADD_Sheets\Frontage	Road Contract\0998859-shr-500001.dgn	DRAWN -	REVISED -		331	(IX-1) R-7	WILLIAMSON	79	4				
	PLOT SCALE = 100.0000 ' / IN.	CHECKED -	REVISED -						CONTRACT NO. 78251				
	PLOT DATE = 7/1/2011	DATE - 3/16/11	REVISED -		SCALE: N/A	SHEET NO.	OF	SHEETS	STA. N/A	TO STA. N/A	ILLINOIS FED. AID PROJECT		

AMEREN CIPS					
ROUTE	STATION	OFFSET	TYPE OF UTILITY	TYPE OF CONFLICT	DISPOSITION
MARATHON	6+70.77	15.91' LT.	ELECTRIC	SPLICEBOX LOCATION	RELOCATE
MARATHON	8+50.00		AERIAL ELECTRIC	NONE	
FRONTAGE	463+00.00		GAS	2" HIGH PRESS. GAS	ADJUST/PROTECT
FRONTAGE	463+00.00	33.00' RT.	AERIAL ELECTRIC	NONE	
FRONTAGE	474+25.00		AERIAL ELECTRIC	NONE	

KENTUCKY DATA LINK					
ROUTE	STATION	OFFSET	TYPE OF UTILITY	TYPE OF CONFLICT	DISPOSITION
MARATHON	8+50.00		FIBER OPTIC	GRADING/DRAINAGE	ADJUST/PROTECT

UTILITY CONTACTS:

AMEREN CIPS
P.O. BOX 460
MARION, IL 62959
ATTENTION: JOE REINHARD

AMEREN I.P.
370 S. MAIN
DECATUR, IL 62523
ATTENTION: CAREY PHELPS

E.D.T. SPECIALIST
14400 HIGHWAY 37
JOHNSON CITY, IL 62951
ATTENTION: JIMMY DAVIS

CONSOLIDATED UTILITY SERVICES
1537 MILL RACE DRIVE
SALEM, VA 24153
ATTENTION:

FRONTIER COMMUNICATIONS
208 W. UNION
MARION, IL 62959
ATTENTION: RICK SHAW

KENTUCKY DATA LINK
RR2 BOX 93A
DAHLGREN, IL 62828
ATTENTION: RICK CUNICO

CITY OF MARION
308 S. COURT STREET
P.O. BOX 937
MARION, IL
ATTENTION: BRIAN ZIEGLER

SOUTHEASTERN ILLINOIS ELECTRIC COOPERATIVE
P.O. BOX 371
ELDORADO, IL 62930
ATTENTION: ERIC JUNG

SHELL PIPELINE
701 POYDRAS ST.
NEW ORLEANS, LA 70139
ATTENTION: NICK STONE

MEDIACOM
1603 E. DEYOUNG
MARION, IL 62959
ATTENTION: FRANCES ADDISON

AMEREN I.P.					
ROUTE	STATION	OFFSET	TYPE OF UTILITY	TYPE OF CONFLICT	DISPOSITION

CITY OF MARION					
ROUTE	STATION	OFFSET	TYPE OF UTILITY	TYPE OF CONFLICT	DISPOSITION

E.D.T. SPECIALIST					
ROUTE	STATION	OFFSET	TYPE OF UTILITY	TYPE OF CONFLICT	DISPOSITION

SOUTHEASTERN ILLINOIS ELECTRIC COOPERATIVE					
ROUTE	STATION	OFFSET	TYPE OF UTILITY	TYPE OF CONFLICT	DISPOSITION
MARATHON	6+70.77	15.91' LT.	ELECTRIC	SPLICEBOX LOCATION	RELOCATE
MARATHON	8+50.00		AERIAL ELECTRIC	NONE	
FRONTAGE	463+00.00	33.00' RT.	AERIAL ELECTRIC	NONE	
FRONTAGE	474+25.00		AERIAL ELECTRIC	NONE	

CONSOLIDATED UTILITY SERVICES					
ROUTE	STATION	OFFSET	TYPE OF UTILITY	TYPE OF CONFLICT	DISPOSITION

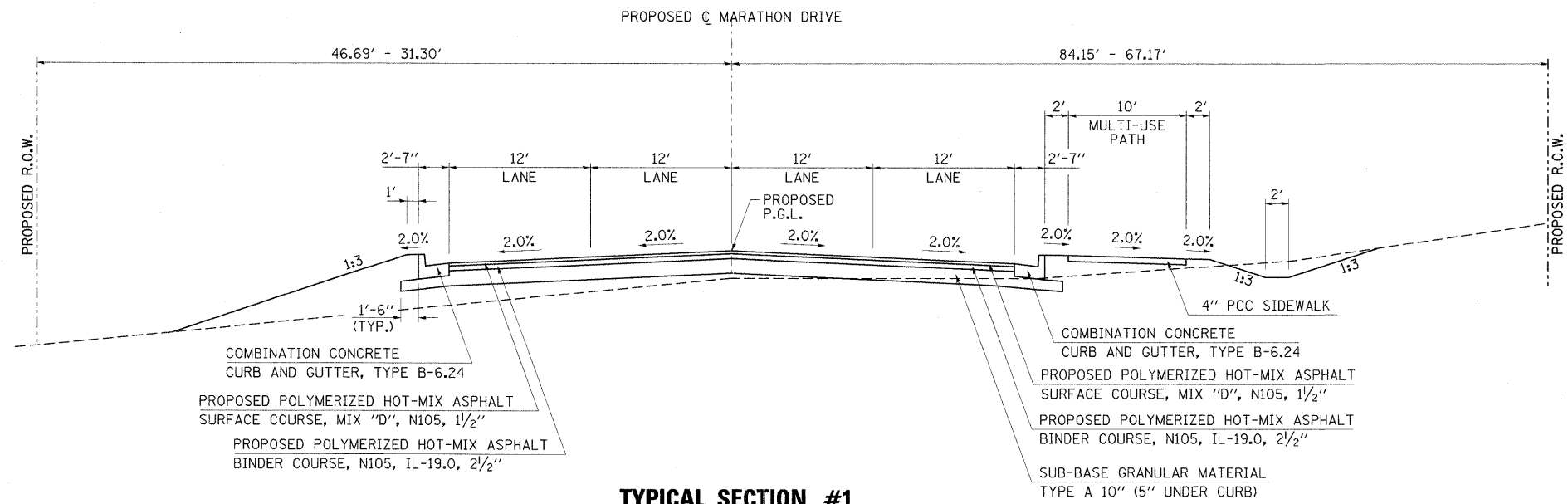
SHELL PIPELINE					
ROUTE	STATION	OFFSET	TYPE OF UTILITY	TYPE OF CONFLICT	DISPOSITION
FRONTAGE	493+21.80	0	GAS PIPELINE	GRADING / DRAINAGE	TO BE PROTECTED

NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF STANDARD SPECIFICATION. THE J.U.L.I.E. NUMBER IS 1-800-892-0123.
2. THE LOCATION OF ALL UTILITIES ARE BASED ON INFORMATION PROVIDED BY OTHERS AND ARE INTENDED TO BE APPROXIMATE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE HIS CONSTRUCTION ACTIVITIES WITH THE VARIOUS UTILITY OWNERS. ALL POTENTIAL CONFLICTS SHALL BE INVESTIGATED AND REMEDIAL ACTION TAKEN PRIOR TO INTERUPTION OF THE CONTRACTOR'S PROGRESS.
3. ALL UTILITY FACILITIES THAT REQUIRE RELOCATION WITHIN STATE R.O.W. SHALL BE COMPLETED BY THE UTILITY COMPANY UNLESS OTHERWISE SHOWN ON THE PLANS

FRONTIER COMMUNICATIONS					
ROUTE	STATION	OFFSET	TYPE OF UTILITY	TYPE OF CONFLICT	DISPOSITION
MARATHON	8+50.00		FIB. OPT./TELEPHONE	GRADING/DRAINAGE	ADJUST/PROTECT

MEDIACOM					
ROUTE	STATION	OFFSET	TYPE OF UTILITY	TYPE OF CONFLICT	DISPOSITION



TYPICAL SECTION #1
MARATHON DRIVE
 STA. 4+31.32 TO STA. 8+00.00

FILE NAME =	USER NAME = Gery Davis	DESIGNED - JRK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS MARATHON DRIVE			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1:\DOT\8906603\Draw\CA00.Sheets\Frontage Road Contract\0998859-sht-typical.dgn		DRAWN - SH	REVISED -		331	(1X-1) R-7	WILLIAMSON	79	8			
PLOT SCALE = 50.0000' / IN.		CHECKED - KPF & SPH	REVISED -		CONTRACT NO. 78251			ILLINOIS FED. AID PROJECT				
PLOT DATE = 3/16/2011		DATE - 3/16/11	REVISED -		SCALE: N/A	SHEET NO. OF SHEETS	STA. N/A TO STA. N/A					

EARTHWORK

LOCATION			A	B=0.75*A	C	D=B-C	E=G-D-(0.65*F)	F	G
LOCATION			EARTH EXCAVATION (CU YD)	EXCAVATION TO BE USED IN EMBANKMENT (ADJ. FOR SHRINKAGE) 25% (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE EXCESS (+) SHORTAGE (-) (CU YD)	FURNISHED EXCAVATION (CU YD)	*CHANNEL EXCAVATION (CU YD)	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (CU YD)
STATION	TO	STATION	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)
FRONTAGE ROAD									
462+20.86	-	472+00.00	2110	1585	1040	545	-545		
475+50.00	-	499+45.18	5155	3870	**16100	-12230	12230		
SUB TOTAL - FRONTAGE ROAD			7265	5455	17140	-11685	11685	0	0
MARATHON DRIVE									
4+50.00	-	8+75.00	2385	1789	145	1644	-1644		
SUB TOTAL - MARATHON DRIVE			2385	1789	145	1644	-1644	0	0
BOX CULVERT CHANNEL REALIGNMENT									
21+34.30	-	25+47.42					-1479	1930	436
SUB TOTAL - CHANNEL			0	0	0	0	-1479	1930	436
POND MUCK REMOVAL									
468+41.68	-	469+03.66					1460		1460
492+74.95	-	494+79.07					4215		4215
SUB TOTAL - POND			0	0	0	0	5675	0	5675
TOTAL			9650	7244	17285	-10041	14237	1930	6111

*NOTE: ESTIMATED 65% OF CHANNEL EXCAVATION CAN BE USED AS EMBANKMENT

**NOTE: EMBANKMENT QUANTITY HAS 647 CU. YD. OF POROUS GRANULAR EMBANKMENT SUBTRACTED FROM IT. THIS QUANTITY IS PAID FOR AS PART OF THE STRUCTURAL PLAN QUANTITY FOR THE FRONTAGE ROAD BOX CULVERT.

SEEDING

LOCATION			SEEDING, CLASS 2 (ACRE)	SEEDING, CLASS 7 (ACRE)	NITROGEN FERTILIZER NUTRIENT (POUND)	PHOSPHORUS FERTILIZER NUTRIENT (POUND)	POTASSIUM FERTILIZER NUTRIENT (POUND)	AGRICULTURAL GROUND LIMESTONE (TON)	MULCH, METHOD 2 (ACRE)
STATION	TO	STATION	(ACRE)	(ACRE)	(POUND)	(POUND)	(POUND)	(TON)	(ACRE)
FRONTAGE ROAD									
462+01.67	-	472+11.89	0.88	0.88	115	79	79	3.5	1.76
474+87.45	-	499+44.48	2.11	2.11	274	190	190	8.4	4.22
477+84.33	-	499+44.90	1.66	1.66	216	149	149	6.6	3.32
SUB TOTAL - FRONTAGE ROAD			4.65	4.65	604	418	418	18.6	9.30
MARATHON DRIVE									
4+67.59	-	6+31.43	0.01	0.01	1	1	1	0.0	0.01
6+30.30	-	8+92.04	0.11	0.11	15	10	10	0.4	0.22
6+53.43	-	8+96.96	0.23	0.23	29	20	20	0.9	0.46
SUB TOTAL - MARATHON DRIVE			0.35	0.35	45	31	31	1.4	0.70
TOTALS			5.00	5.00	649	449	449	20.0	10.00

PAVING

LOCATION			PROCESSING LIME STABILIZED SOIL MIXTURE 18" (SQ YD)	LIME (TON)	SUB-BASE GRANULAR MATERIAL, TYPE A (TON)	HMA BINDER COURSE, IL-19.0, NI05 (TON)	HMA SURFACE COURSE, MIX "D", NI05 (TON)	BITUMINOUS MATERIALS (PRIME COAT) (GALLON)
STATION	TO	STATION	(SQ YD)	(TON)	(TON)	(TON)	(TON)	(GALLON)
FRONTAGE ROAD								
462+10.86	-	468+50.00	2799	94				
462+20.86	-	471+74.29			2019	436	262	1705
476+65.00	-	499+44.41			4916	1068	641	4138
478+00.00	-	490+00.00	4695	158				
SUB TOTAL - FRONTAGE ROAD			7494	253	6935	1504	902	5843
MARATHON DRIVE								
4+22.04	-	8+00.00			1308	296	177	1078
SUB TOTAL - MARATHON DRIVE			0	0	1308	296	177	1078
TOTAL			7494	253	8243	1800	1080	6921

EROSION CONTROL

LOCATION			PERIMETER EROSION BARRIER (FOOT)	EROSION CONTROL BLANKET (SQ YD)	INLET AND PIPE PROTECTION (EACH)	TEMPORARY DITCH CHECKS (FOOT)	STONE RIPRAP, CLASS A3 (SQ YD)	STONE RIPRAP, CLASS A4 (SQ YD)	STONE RIPRAP, CLASS A5 (SQ YD)	FILTER FABRIC (SQ YD)	SEDIMENT BASINS (EACH)
STATION	TO	STATION	(FOOT)	(SQ YD)	(EACH)	(FOOT)	(SQ YD)	(SQ YD)	(SQ YD)	(SQ YD)	(EACH)
FRONTAGE ROAD											
462+00.00	-	468+56.41	786								
464+50.00			LT/RT		2						
465+75.00			LT/RT		2						
466+25.00			LT/RT		2						
468+50.00			RT					35		35	
468+75.00			LT		1			96		96	
468+60.73	-	468+98.68	38								
468+70.34			RT			9					
468+70.60	-	468+72.29	RT								1
468+76.02	-	472+15.00	476			18					
471+00.05		472+15.00	116								
474+85.67	-	477+10.10	227			9					
474+85.67	-	496+53.25	2282			144					
496+74.18	-	499+44.12	341								
491+50.00	-	493+00.00	LT	67							
463+50.00	-	470+50.00	LT			54					
480+50.00	-	497+50.00	LT			117					
482+75.00			RT				12				
484+71.12			LT		1						
484+75.00			RT				26				
488+26.00			LT		1						
488+72.50			LT				11				
494+00.00			RT				23				
494+45.75	-	499+44.77	LT	551							
495+13.31	-	495+25.99	RT								1
498+50.00			RT					17		17	
SUB TOTAL - FRONTAGE ROAD			4817	67	9	351	72	148	0	148	2
MARATHON DRIVE											
4+75.67	-	5+95.80	136								
6+50.00			LT		1						
6+80.00			RT		1						
6+96.96			LT/RT		2						
7+17.00			LT		1						
7+50.57	-	8+70.92	121			9					
5+00.00	-	8+00.00	RT			27					
6+29.60			RT		1						
6+65.76			RT				11				
7+00.00			RT				12				
8+25.00			LT				14				
SUB TOTAL - MARATHON DRIVE			257	0	6	36	37	0	0	0	0
BOX CULVERT											
UPSTREAM END									82	112	
DOWNSTREAM END									82	112	
UPSTREAM CHANNEL									499	499	
DOWNSTREAM CHANNEL									643	643	
SUB TOTAL - BOX CULVERT			0	0	0	0	0	0	1306	1366	0
TOTAL			5074	67	15	387	109	148	1306	1514	2

TREE REMOVAL

STATION / LOCATION	OFFSET		DIAMETER (INCHES)	TREE REMOVAL (6-15 UNITS) (UNITS)	TREE REMOVAL (OVER 15 UNITS) (UNITS)	TREE REMOVAL (ACRE)
465+10.81	9.72	RT	48		48	
465+35.81	32.72	RT	48		48	
468+36.08	24.45	LT	6	6		
468+37.89	76.94	RT	8	8		
468+39.04	77.33	RT	6	6		
468+40.49	44.30	RT	10,10,6	26		
468+64.08	18.41	LT	6,6,6,6	24		
468+79.11	83.09	LT	6	6		
468+85.22	78.65	LT	6	6		
469+43.64	8.35	LT	15	15		
469+86.14	33.58	RT	18		18	
474+00.00	32.83	RT	18		18	
475+00.49	52.08	LT	7	7		
475+03.01	55.67	LT	16		16	
475+05.10	54.16	LT	16		16	
475+06.32	45.55	LT	14	14		
475+10.16	37.13	LT	11,20	11	20	
475+15.64	28.49	LT	10	10		
475+17.91	21.58	LT	6	6		
475+19.29	52.51	LT	11	11		
475+23.41	4.47	LT	6	6		
475+27.82	22.23	LT	7	7		
475+30.52	2.86	RT	14	14		
475+39.52	23.25	RT	11	11		
475+39.61	15.30	RT	13,14	27		
483+78.42	31.36	LT	12	12		
483+89.78	25.37	RT	6	6		
491+30.15	34.59	LT	15	15		
491+33.32	0.59	RT	24		24	
491+34.89	30.48	RT	15	15		
491+36.08	22.78	LT	24		24	
491+51.74	45.25	RT	16		16	
491+53.73	26.17	RT	15	15		
491+56.32	43.80	RT	16		16	
491+89.82	24.80	RT	15	15		
491+97.42	24.69	RT	24		24	
492+04.27	19.78	RT	36		36	
492+07.74	41.72	RT	12	12		
492+33.49	27.68	RT	30		30	
492+91.14	28.15	RT	14	14		
493+51.43 to 499+17.99						1.50
MARATHON DRIVE						
6+35.71	19.01	LT	40		40	
7+26.52	23.37	RT	36		36	
7+98.61	21.15	RT	30		30	
8+41.71	18.99	RT	24		24	
TOTALS						325 484 1.50

CURB AND GUTTER

LOCATION					COMB. CONC. CURB & GUTTER TYPE B-6.24	FOOT
STATION	TO	STATION				
FRONTAGE ROAD						
462+20.85	RT	-	471+74.29	RT	953.5	
462+21.85	LT	-	471+74.30	LT	953.5	
476+65.00	RT	-	499+44.48	RT	2273.0	
476+65.00	LT	-	476+73.36	LT	8.5	
478+21.65	LT	-	499+45.48	LT	2160.0	
MARATHON DRIVE						
4+24.04	LT	-	8+00.00	LT	400.5	
4+33.31	RT	-	8+00.00	RT	397.0	
TOTAL						7146.0

*NOTE: STORM SEWER OR BOX CULVERT RUN WILL ENCR OACH INTO THE SUBBASE GRANULAR MATERIAL OF THE PAVEMENT STRUCTURE. THE CONTRACTOR SHALL PROTECT THE STORM SEWER OR BOX CULVERT UNTIL THE PAVEMENT STRUCTURE IS COMPLETE. IF THE STORM SEWER OR BOX CULVERT IS DAMAGED ANYTIME BEFORE CONSTRUCTION OF THE PAVEMENT IS COMPLETE, THE CONTRACTOR SHALL BE REQUIRED TO FURNISH AND INSTALL NEW STORM SEWER OR BOX CULVERT TO THE SATISFACTION OF THE ENGINEER AT NO ADDITIONAL COST.

DRAINAGE

LOCATION	PIPE CULVERTS, CLASS A, TYPE 1	PRECAST REINFORCED CONCRETE FLARED END SECTIONS				STORM SEWERS, CLASS A, TYPE 1				STORM SEWERS, CLASS A, TYPE 2	INLETS, SPECIAL, TYPE 3, 5'	INLETS, SPECIAL, TYPE 3, 6'	TRENCH BACKFILL	BOX CULVERT END SECTIONS, (SPECIAL)	PRECAST CONCRETE BOX CULVERTS 5' X 3'																	
		12"	12"	15"	18"	24"	12"	15"	18"							24"																
STATION	TO	STATION	FT.	EACH	EACH	EACH	EACH	FT.	FT.	FT.	FT.	FT.	EACH	EACH	CU. YD.	EACH	FOOT															
FRONTAGE ROAD																																
464+50.00																																
464+50.00																																
464+50.00																																
464+50.00	-	465+75.00	RT					41		125					5.4																	
465+75.00			RT																													
465+75.00			LT																													
465+75.00	-	466+25.00	RT							50					4.8																	
466+25.00			RT												0.0																	
466+25.00			LT																													
466+25.00			LT																													
466+25.00	-	468+50.00	RT						34						4.5																	
466+25.00			RT												80.6																	
468+50.00			RT												9.4																	
468+50.00			LT																													
468+50.00			LT																													
468+50.00			RT														1															
468+75.00			LT														1															
468+75.00			LT																													
468+75.00			LT																													
468+75.00			LT																													
482+75.00			LT																													
482+75.00			RT																													
482+75.00			RT																													
484+60.00			LT																													
484+60.00	-	484+74.60	LT																													
484+60.00			RT																													
484+71.76			LT																													
484+71.76	-	484+74.60	LT																													
484+74.60	-	484+83.31	LT																													
484+74.60			LT																													
484+83.31			RT																													
484+83.31	-	484+89.10	RT																													
484+89.10			RT																													
488+26.00	-	488+72.50	LT																													
488+26.00			LT																													
488+72.50			LT																													
494+00.00			LT																													
494+00.00			RT																													
494+00.00			LT																													
494+00.00			RT																													
498+65.00			LT																													
498+65.00	-		RT																													
498+65.00	-	499+08.13	LT																													
498+65.00	-	499+18.26	RT																													
499+08.13			LT																													
499+08.13	-	499+32.03	LT																													
499+18.26			RT																													
499+32.03			LT																													
499+32.03	-	499+45.72	LT																													
499+45.72			LT																													
SUBTOTAL - FRONTAGE ROAD																	35	5	1	1	2	469	175	245	58	19	20	2	219.0	2	50	
MARATHON DRIVE																																
6+29.60			RT																													
6+29.60	-	6+65.76	RT																													
6+65.76			RT																													
6+50.00			LT																													
6+50.00	-	6+96.96	LT																													
6+80.00			RT																													
6+80.00			RT																													
6+96.96			RT																													
6+96.96			LT																													
6+96.96	-	7+17.00	LT																													
7+17.00			LT																													
7+17.00	-	8+25.00	LT																													
8+25.00			LT																													
SUBTOTAL - MARATHON DRIVE																	25	3	1	0	0	93	102	0	0	0	5	0	40.9	0	0	
TOTAL																	60	8	2	1	2	562	277	245	58	19	25	2	260	2	50	

FILE NAME =	USER NAME = Brian Bond	DESIGNED -	REVISED -
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	PLOT DATE = 7/1/2011	DATE = 3/16/11	REVISED -

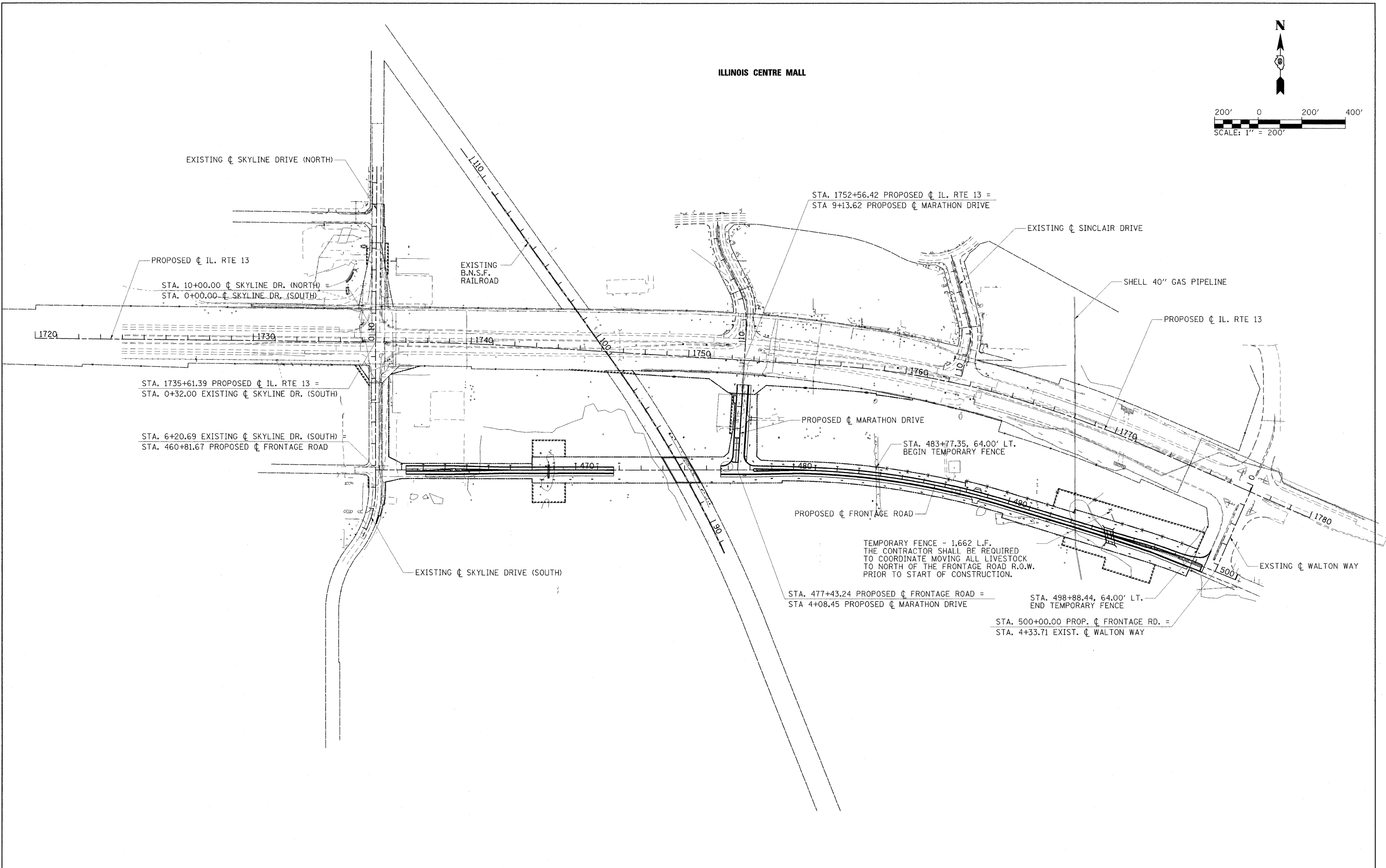
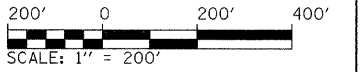
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES
ILLINOIS ROUTE 13 FRONTAGE ROAD**

SCALE: N/A SHEET NO. OF SHEETS STA. N/A TO STA. N/A

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1X-1) R-7	WILLIAMSON	79	10
CONTRACT NO. 78251				
ILLINOIS FED. AID PROJECT				

ILLINOIS CENTRE MALL



FILE NAME =	USER NAME = Brian Bond	DESIGNED - BMB	REVISED -
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		CHECKED - SPH	REVISED -
		DATE - 3/16/11	REVISED -

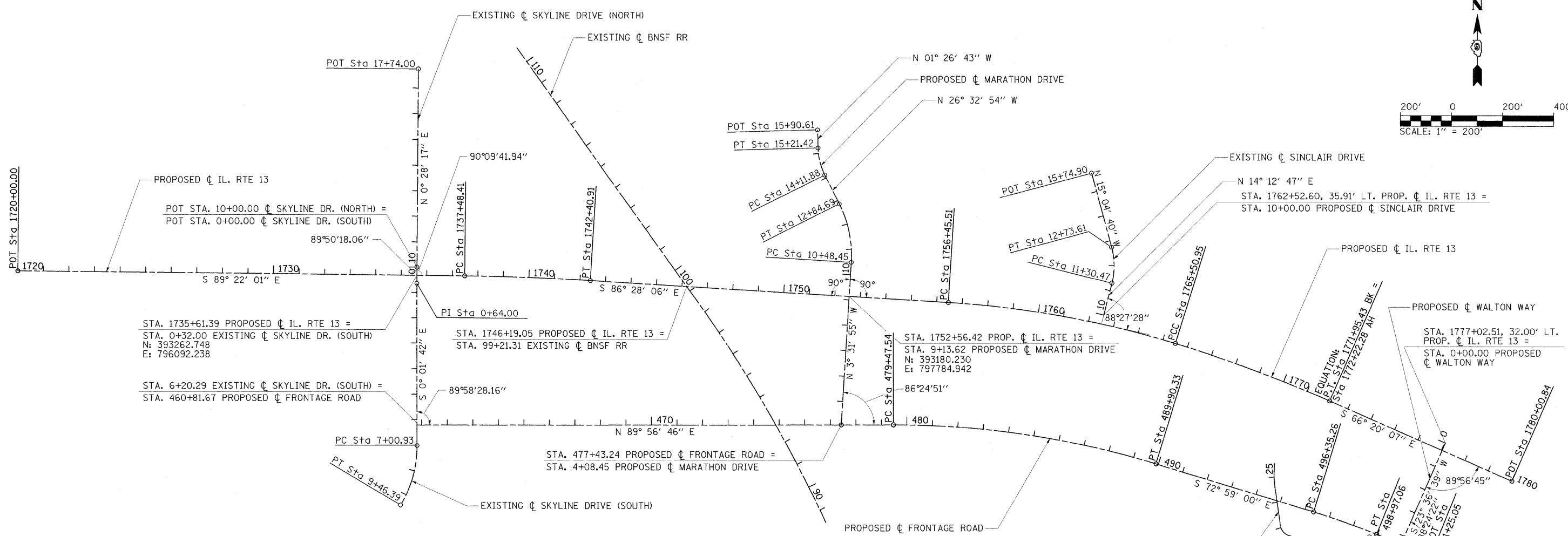
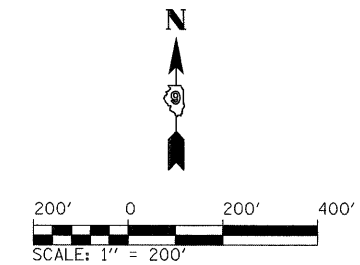
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SITE PLAN
ILLINOIS ROUTE 13 FRONTAGE ROAD

SCALE: 1" = 200' SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1X-1) R-7	WILLIAMSON	79	11
CONTRACT NO. 78251				

ILLINOIS FED. AID PROJECT



IL RTE 13 COORDINATE DATA

STATION	NORTHING	EASTING
P.O.T. STA. 1720+00.00	393279.999	794530.938
P.C. STA. 1737+48.41	393260.680	796279.238
P.T. STA. 1742+40.91	393242.786	796771.366
P.C. STA. 1756+45.51	393156.260	798173.294
P.C.C. STA. 1765+50.95	392993.853	799061.872
P.T. STA. 1771+95.43 (BK)= STA. 1772+22.28 (AH)	392769.068	799665.517
P.O.T. STA. 1780+00.84	392456.567	800378.613

SKYLINE DRIVE COORDINATE DATA

SOUTH STATION			NORTH STATION		
STATION	NORTHING	EASTING	STATION	NORTHING	EASTING
P.O.T. STA. 0+00.00	393294.747	796092.500	P.O.T. STA. 10+00.00	393294.747	7926092.500
P.I. STA. 0+64.00	393230.749	796091.974	P.O.T. STA. 17+74.00	394068.722	796.098.869
P.C. STA. 7+00.93	392593.822	796092.290			
P.T. STA. 9+46.39	392360.035	796027.852			

SINCLAIR DRIVE COORDINATE DATA

STATION	NORTHING	EASTING
P.O.T. STA. 10+00.00	393105.758	798781.567
P.C. STA. 11+30.47	393232.236	798813.602
P.T. STA. 12+73.61	393373.820	798812.534
P.O.T. STA. 15+74.90	393664.734	798734.161

FRONTAGE ROAD COORDINATE DATA

STATION	NORTHING	EASTING
P.O.T. STA. 460+81.67	392674.458	796092.250
P.C. STA. 479+47.54	392676.215	797958.114
P.T. STA. 489+90.33	392522.982	798985.693
P.C. STA. 496+35.26	392334.243	799602.386
P.T. STA. 498+97.06	392246.808	799849.065
P.O.T. STA. 501+25.05	392161.336	800060.435

MARATHON DRIVE COORDINATE DATA

STATION	NORTHING	EASTING
P.O.T. STA. 4+08.45	392676.023	797753.823
P.C. STA. 10+48.45	393314.803	797793.245
P.T. STA. 12+84.69	393543.654	797746.653
P.C. STA. 14+11.88	393657.430	797689.806
P.T. STA. 15+21.42	393762.863	797663.524
P.O.T. STA. 15+90.61	393832.039	797661.779

FRONTAGE ROAD CHANNEL COORDINATE DATA

STATION	NORTHING	EASTING
P.O.T. STA. 21+28.70	392164.792	799588.566
P.C. STA. 21+53.86	392189.534	799584.029
P.T. STA. 22+08.48	392228.326	799549.482
P.C. STA. 22+52.84	392241.310	799507.059
P.T. STA. 23+09.57	392282.177	799472.176
P.C. STA. 24+55.64	392426.833	799451.889
P.T. STA. 25+34.25	392505.254	799448.667
P.O.T. STA. 25+53.61	392524.578	799449.773

SKYLINE DRIVE CURVE DATA

PROP. ϕ SKYLINE SOUTH CURVE-1 DATA
 PI STA. = 8+26.72
 Δ = 30° 52' 34" (RT)
 D = 12° 34' 43"
 R = 455.50'
 T = 125.79'
 L = 245.46'
 E = 17.05'
 P.C. STA. = 7+00.93
 P.T. STA. = 9+46.39

SINCLAIR DRIVE CURVE DATA

PROP. ϕ SINCLAIR DRIVE CURVE-1 DATA
 PI STA. = 12+03.64
 Δ = 29° 17' 27" (LT)
 D = 20° 27' 46"
 R = 280.00'
 T = 73.17'
 L = 143.14'
 E = 9.40'
 P.C. STA. = 11+30.47
 P.T. STA. = 12+73.61

IL RTE 13 CURVE DATA

PROP. ϕ IL RTE 13 CURVE-1 DATA
 PI STA. = 1739+94.71
 Δ = 2° 53' 55" (RT)
 D = 0° 35' 19"
 R = 9,735.00'
 T = 246.31'
 L = 492.51'
 E = 3.12'
 P.C. STA. = 1737+48.41
 P.T. STA. = 1742+40.91

PROP. ϕ IL RTE 13 CURVE-2 DATA
 PI STA. = 1761+00.38
 Δ = 13° 39' 07" (RT)
 D = 1° 30' 28"
 R = 3,800.00'
 T = 454.87'
 L = 905.44'
 E = 27.13'
 θ = 2.7%
 T.R. = 80'
 S.E. RUN = 139'
 P.C. STA. = 1756+45.51
 P.C.C. STA. = 1765+50.95

PROP. ϕ IL RTE 13 CURVE-3 DATA
 PI STA. = 1768+73.53
 Δ = 6° 28' 51" (RT)
 D = 1° 00' 20"
 R = 5,697.65'
 T = 322.59'
 L = 644.48'
 E = 9.12'
 θ = 2.0%
 P.C.C. STA. = 1765+50.95
 P.T. STA. = 1771+95.43

FRONTAGE ROAD CURVE DATA

PROP. ϕ FRONTAGE ROAD CURVE-1 DATA
 PI STA. = 484+72.82
 Δ = 17° 04' 15" (RT)
 D = 1° 38' 13"
 R = 3,500.00'
 T = 525.29'
 L = 1,042.79'
 E = 39.20'
 P.C. STA. = 479+47.54
 P.T. STA. = 489+90.33

PROP. ϕ FRONTAGE ROAD CURVE-2 DATA
 PI STA. = 497+66.24
 Δ = 5° 00' 00" (RT)
 D = 1° 54' 35"
 R = 3,000.00'
 T = 130.98'
 L = 261.80'
 E = 2.86'
 P.C. STA. = 496+35.26
 P.T. STA. = 498+97.06

MARATHON DRIVE CURVE DATA

PROP. ϕ MARATHON DRIVE CURVE-1 DATA
 PI STA. = 11+69.36
 Δ = 30° 04' 49" (LT)
 D = 12° 43' 57"
 R = 450.00'
 T = 120.91'
 L = 236.95'
 E = 2.86'
 P.C. STA. = 10+48.45
 P.T. STA. = 12+84.69

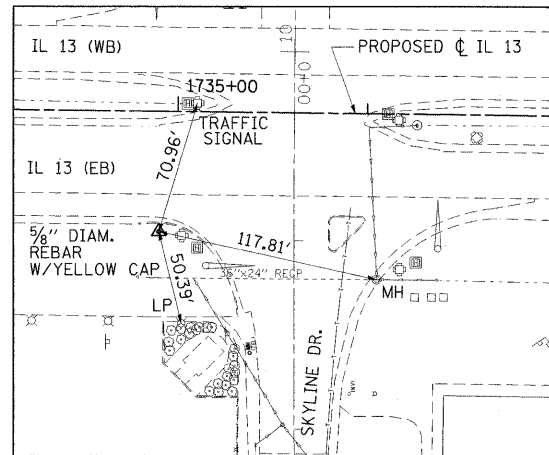
PROP. ϕ MARATHON DRIVE CURVE-2 DATA
 PI STA. = 14+67.54
 Δ = 25° 06' 11" (RT)
 D = 22° 55' 06"
 R = 250.00'
 T = 55.66'
 L = 109.53'
 E = 2.86'
 P.C. STA. = 14+11.88
 P.T. STA. = 15+21.42

CHANNEL CURVE DATA

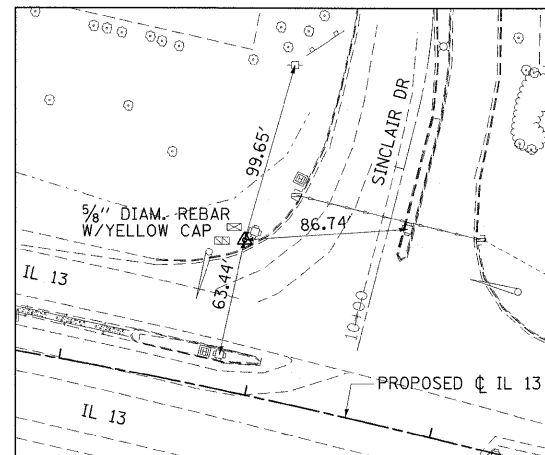
PROP. ϕ CHANNEL CURVE-1 DATA
 PI STA. = 21+84.25
 Δ = 62° 35' 30" (LT)
 D = 114° 35' 30"
 R = 50.00'
 T = 30.40'
 L = 54.62'
 E = 8.51'
 P.C. STA. = 21+53.86
 P.T. STA. = 22+08.48

PROP. ϕ CHANNEL CURVE-2 DATA
 PI STA. = 22+84.70
 Δ = 65° 00' 00" (RT)
 D = 114° 35' 30"
 R = 50.00'
 T = 31.85'
 L = 56.72'
 E = 9.28'
 P.C. STA. = 22+52.84
 P.T. STA. = 23+09.57

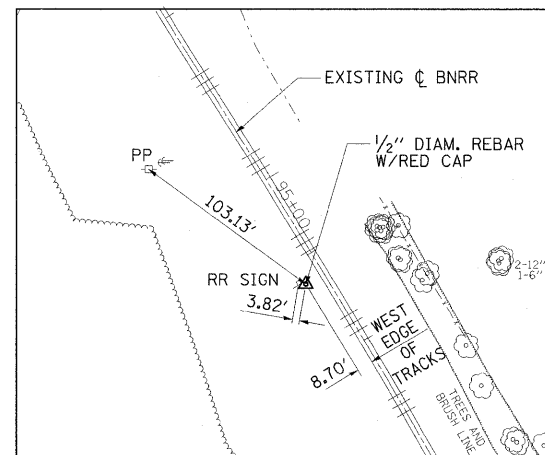
PROP. ϕ CHANNEL CURVE-3 DATA
 PI STA. = 24+95.07
 Δ = 11° 15' 38" (RT)
 D = 14° 19' 26"
 R = 400.00'
 T = 39.43'
 L = 78.61'
 E = 1.94'
 P.C. STA. = 24+55.64
 P.T. STA. = 25+34.25



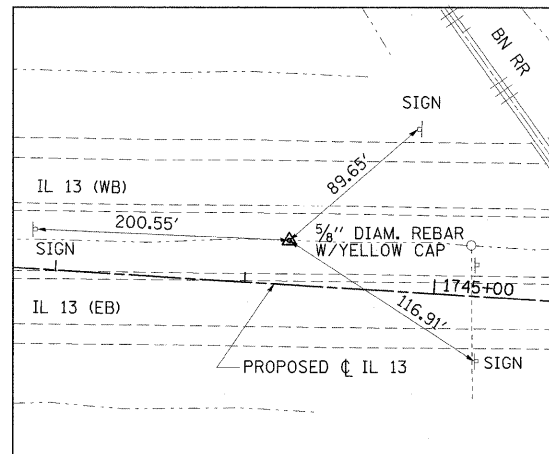
CONTROL POINT #WP205
 STA. 1734+90.51, 63.86' RT. (IL 13)
 N=393199.670 E=796020.652
 ELEV=439.42



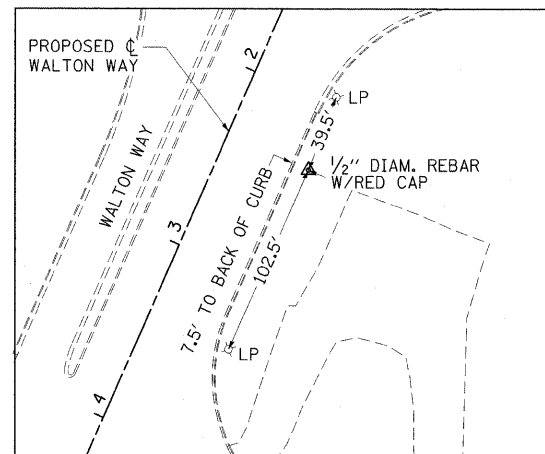
CONTROL POINT #WP203
 STA. 1761+83.19, 81.05' LT. (IL 13)
 N=393164.728 E=798722.176
 ELEV=449.00



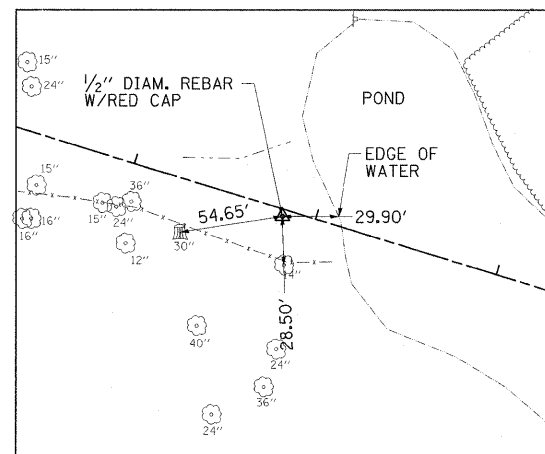
CONTROL POINT #303
 STA. 473+93.61, 138.05' LT. (FRONTAGE RD)
 N=392813.739 E=797404.061
 ELEV=444.69



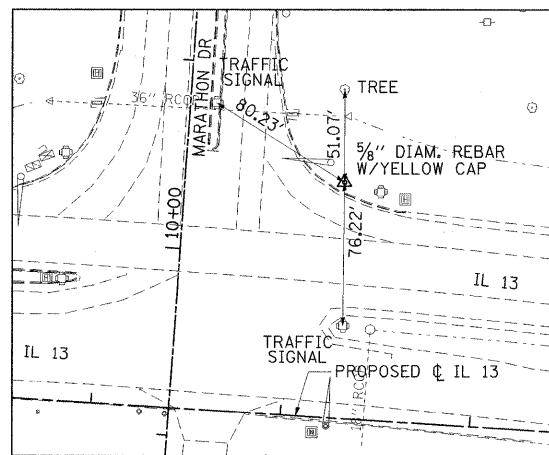
CONTROL POINT #9704
 STA. 1744+22.13, 23.42' LT. (IL 13)
 N=393254.999 E=796953.687
 ELEV=446.21



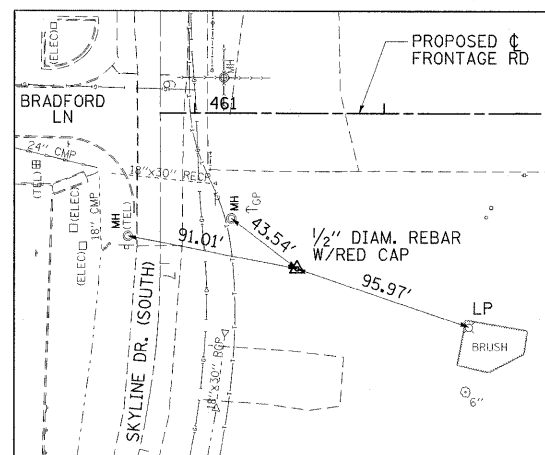
CONTROL POINT #310
 STA. 2+36.04, 46.54' LT. (WALTON WAY)
 N=392433.815 E=799264.092
 ELEV=442.22



CONTROL POINT #307
 STA. 492+82.63, 3.79' RT. (FRONTAGE RD)
 N=392433.815 E=799264.092
 ELEV=435.86



CONTROL POINT #WP204
 STA. 1753+26.14, 125.65' LT. (IL 13)
 N=393301.347 E=797862.271
 ELEV=447.27



CONTROL POINT #300
 STA. 461+54.04, 82.12' RT. (FRONTAGE RD)
 N=392592.410 E=796164.697
 ELEV=436.50

BENCHMARK LOCATIONS

BM "18"
 STA. 1735+13.73+/-, 69.26'+/- RT.
 CUT SQUARE ON THE EAST CORNER OF A TRAFFIC SIGNAL HANDHOLE RIM IN THE S/W QUAD OF RTE 13 AND SKYLINE DRIVE, 37' RIGHT OF THE CENTERLINE OF RTE 13 EBL
 ELEVATION = 439.10

BM "19"
 STA. 1736+35.85+/-, 88.38'+/- RT.
 CUT SQUARE IN THE CONCRETE FDN OF A COMBINATION MAST ARM ASSEMBLY S/E QUAD OF IL RTE 13 EBL AND SINCLAIR DR. 20' SOUTH OF THE CENTERLINE OF RTE 13 EBL
 ELEVATION = 448.33

BM "9706"
 STA. 1777+60.53+/-, 133.65'+/- RT.
 IP&C S/E QUAD OF IL RTE 13 EBL AND WALTON WAY 58'+/- EAST OF THE CENTERLINE OF WALTON WAY
 ELEVATION = 443.59

FILE NAME =	USER NAME = Gary Davis	DESIGNED - BMB	REVISED -
L:\1001\0906603\Draw\CADD_Sheets\Frontage Road Contract\0998859-sht-ATB-002.dgn		DRAWN - RAH	REVISED -
PLOT SCALE = 50.0000' / IN.		CHECKED - SPH	REVISED -
PLOT DATE = 3/16/2011		DATE - 3/16/11	REVISED -





**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

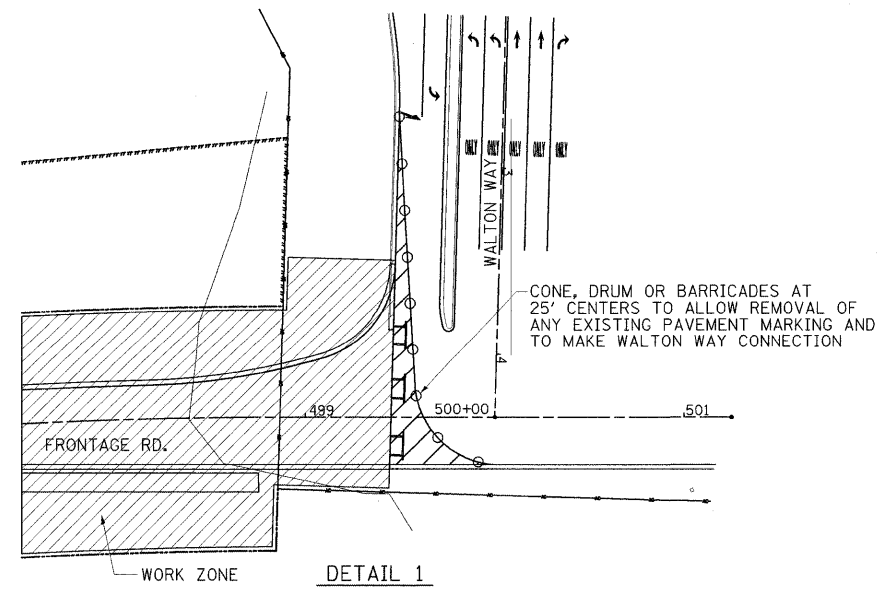
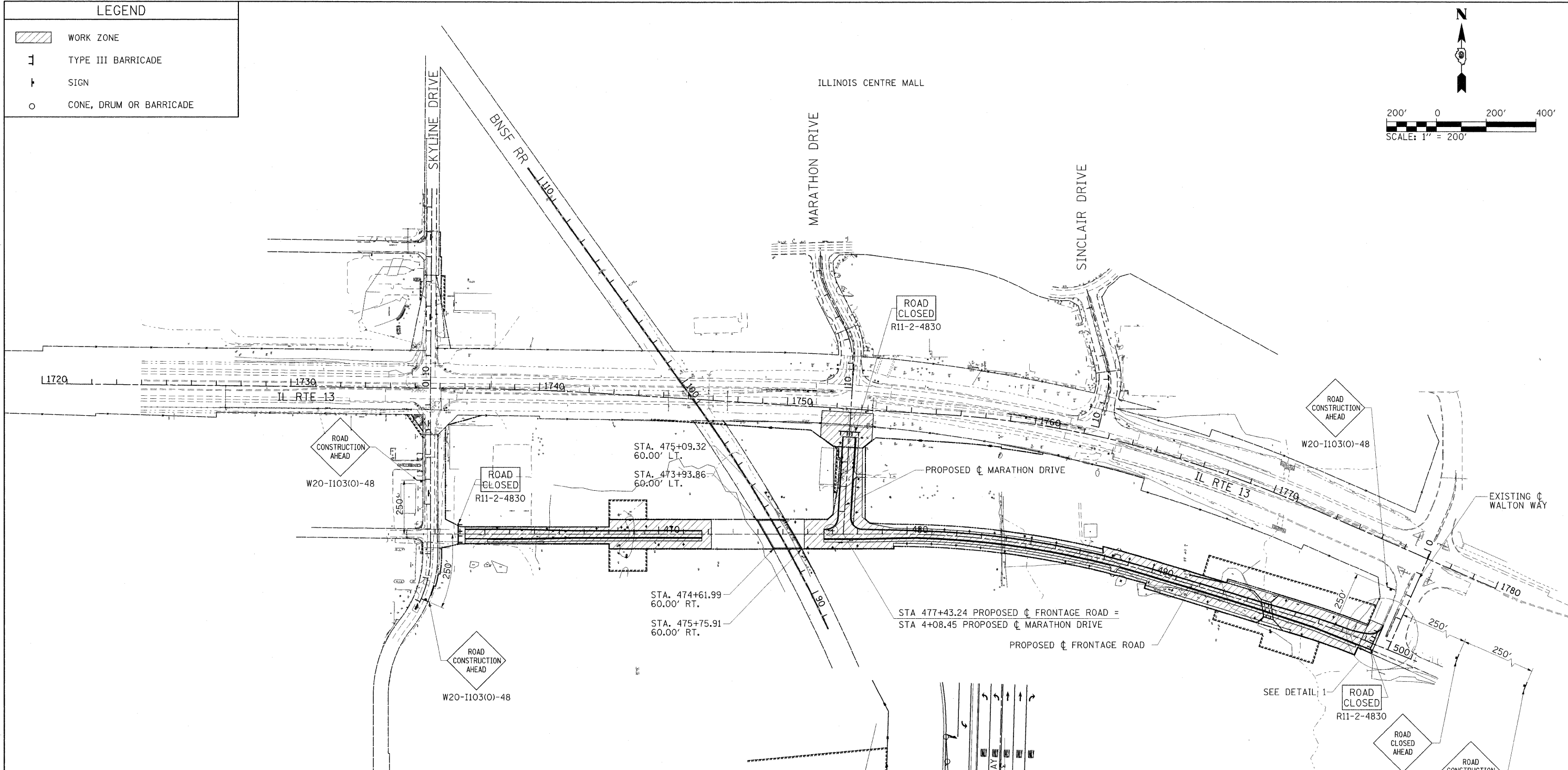
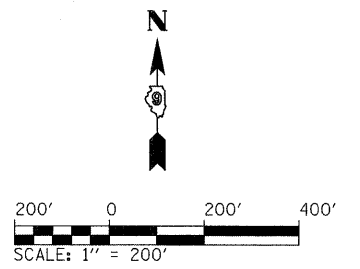
**ALIGNMENT TIES AND BENCHMARKS
 ILLINOIS ROUTE 13**

SCALE: 1" = 200' SHEET NO. OF SHEETS STA. 1720+00 TO STA. 1780+00.84

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(IX-1) R-7	WILLIAMSON	79	13
				CONTRACT NO. 78251
ILLINOIS FED. AID PROJECT				

LEGEND

-  WORK ZONE
-  TYPE III BARRICADE
-  SIGN
-  CONE, DRUM OR BARRICADE



- NOTES:
1. ADDITIONAL TRAFFIC CONTROL DEVICES MAY BE NECESSARY AS DIRECTED BY THE ENGINEER.
 2. THE FRONTAGE ROAD WILL BE CLOSED TO GENERAL TRAFFIC THROUGHOUT THE PROJECT PER TRAFFIC CONTROL STANDARD BLR-21, HOWEVER, ACCESS TO PRIVATE ENTRANCES WILL BE MAINTAINED AS DIRECTED BY THE ENGINEER.
 3. TRAFFIC CONTROL FOR THIS WORK SHALL BE PAID FOR AS TRAFFIC CONTROL AND PROTECTION (SPECIAL), LUMP SUM.
 4. CONTRACTOR MUST STAY AT LEAST 10 FEET FROM BNSF RAILROAD R.O.W. AT ALL TIMES.
 5. IF A TEMPORARY DAYTIME LANE CLOSURE IS NEEDED ON WALTON WAY, SET UP ADVANCE TRAFFIC CONTROL DEVICES ACCORDING TO STD. 701606.
 6. WHEN CONSTRUCTION OF THE FRONTAGE ROAD IS COMPLETE, THE CONTRACTOR SHALL SET UP ROAD CLOSURES AT ALL PAVEMENT STUBS INCLUDING BOTH SIDES OF THE EXISTING BNSF RAILROAD, THE WEST END OF THE FRONTAGE ROAD AND THE NORTH END OF MARATHON DRIVE. THESE CLOSURES SHALL REMAIN IN PLACE AFTER THE PROJECT IS COMPLETE UNTIL A FUTURE CONTRACT CONNECTS TO THE STUBS OR THE ROADS ARE CLOSED TO TRAFFIC. THE CLOSURES WILL BE PER TRAFFIC CONTROL STANDARD BLR-21 AND SHALL BE PAID FOR AS TRAFFIC CONTROL AND PROTECTION (SPECIAL), LUMP SUM.
 7. PER THE CONTRACT COMMITMENTS INCLUDED HEREIN, TREE CLEARING IS PROHIBITED FROM APRIL 1 TO SEPTEMBER 30 TO AVOID IMPACTS TO THE INDIANA BAT.

FILE NAME =	USER NAME = Brian Bond	DESIGNED - BMB	REVISED -
I:\dot\906603\draw\CADD_Sheets\Frontage	Road Contract\0998859-sht-mot.dgn	DRAWN - GLD	REVISED -
	PLOT SCALE = 200.0000 "/> IN.	CHECKED - SPH	REVISED -
	PLOT DATE = 3/17/2011	DATE - 3/16/11	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

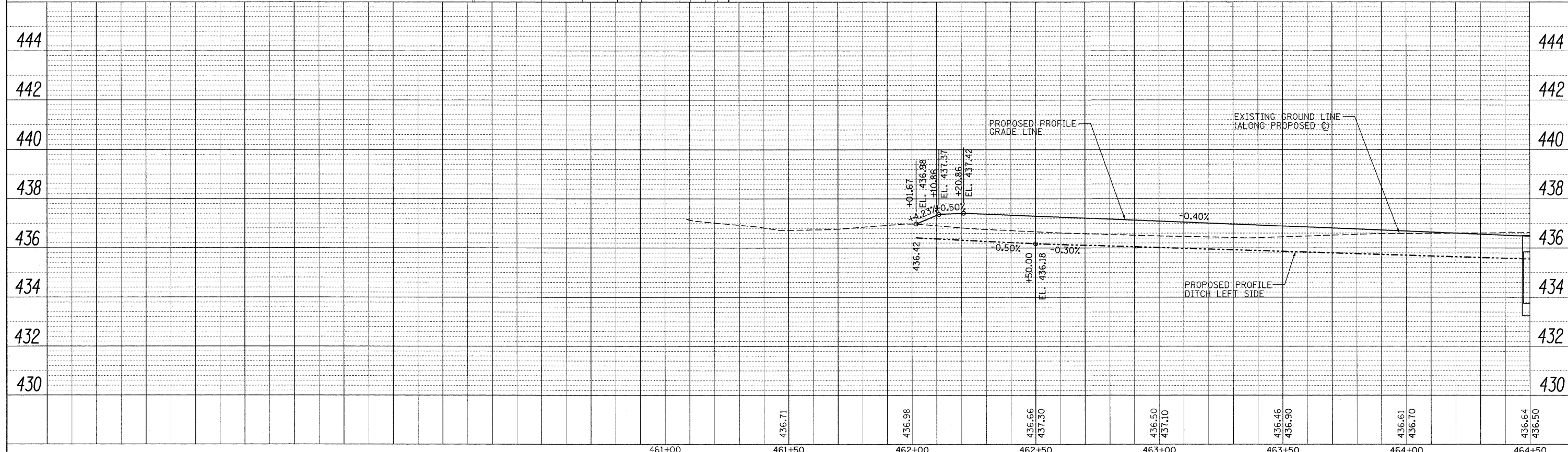
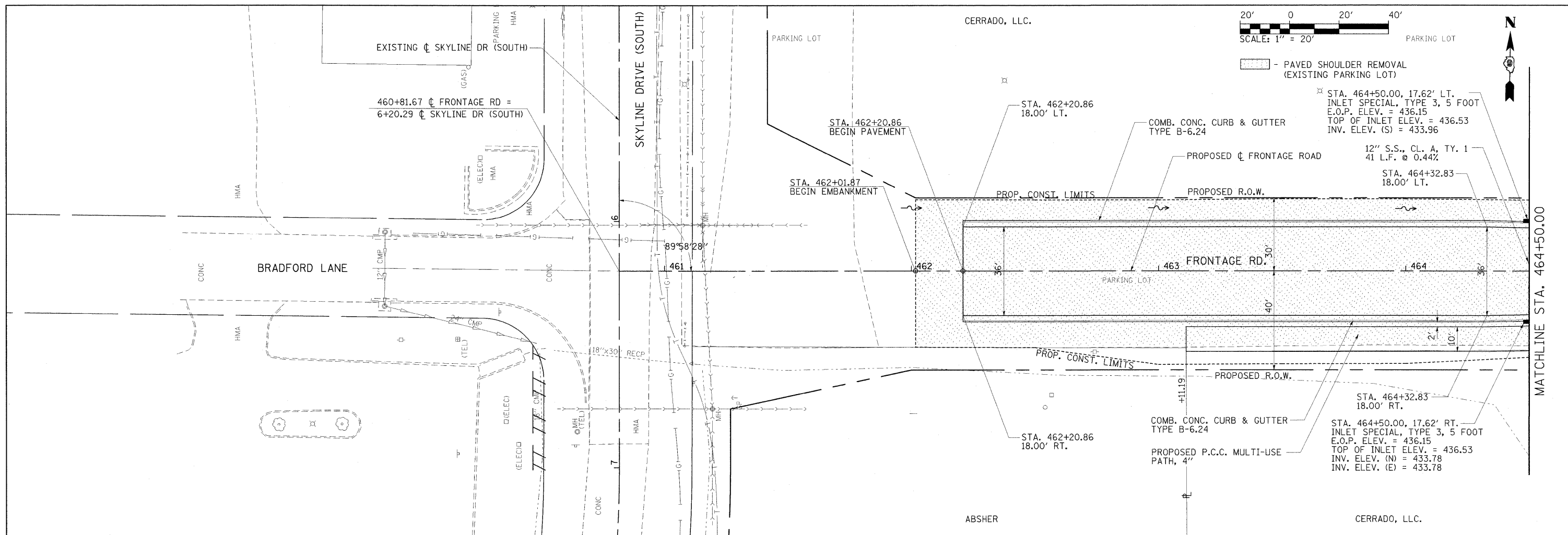
**MAINTENANCE OF TRAFFIC
CONTROL PLAN**

SCALE: 1" = 200' SHEET NO. OF SHEETS STA. 1720+00.00 TO STA. 1780+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1X-1) R-7	WILLIAMSON	79	14
CONTRACT NO. 78251				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	BY		
	NO.		
	FILE NAME		

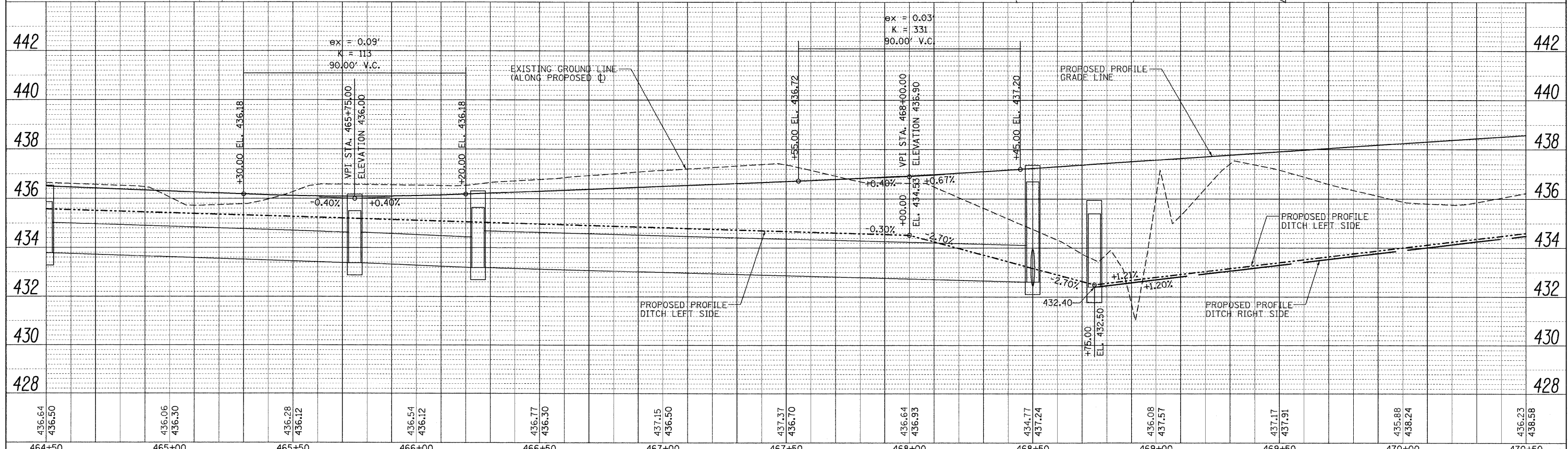
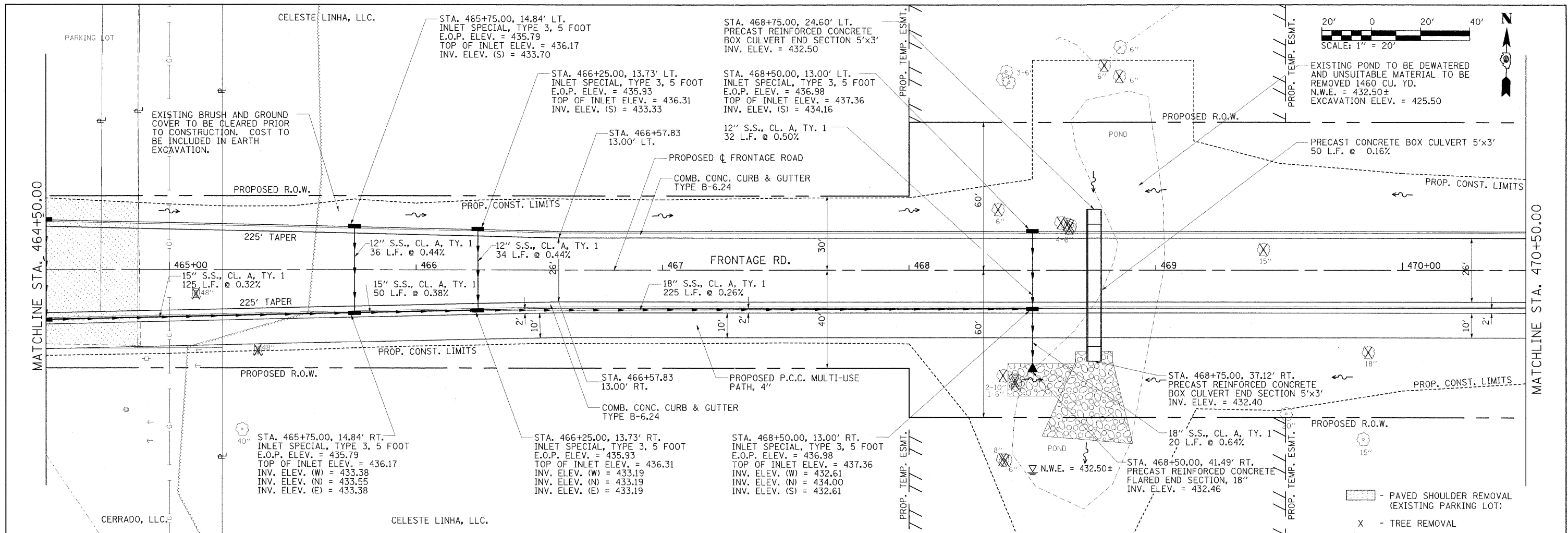
PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	BY		
	NO.		
	NOTATION		



FILE NAME =	USER NAME = Brian Bond	DESIGNED - BB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN AND PROFILE FRONTAGE ROAD	F.A. RTE. 331	SECTION (1X-1) R-7	COUNTY WILLIAMSON	TOTAL SHEETS 79	SHEET NO. 15		
H:\DOT\0906603\Draw\CA0D_Sheets\Frontage	Road Contract\0908859-sht-plnprf-004-Frontage	DRAWN - RH & SH	REVISED -			SCALE: 1"=20'	SHEET NO. OF SHEETS	STA. 460+81.67 TO STA. 464+50	CONTRACT NO. 78251			
		CHECKED - KPF & SPH	REVISED -			ILLINOIS FED. AID PROJECT						
		DATE - 3/16/11	REVISED -									

PLAN	SURVEYED	DATE
	PLOTTED	
	NOTED	
	BY	
	NO. OF WAY CHECKED	
	NO.	
	PAID FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	NOTED	
	BY	
	NO. OF WAY CHECKED	
	NO.	
	PAID FILE NAME	



436.64 436.50	436.06 436.30	436.28 436.12	436.54 436.12	436.77 436.30	437.15 436.50	437.37 436.70	436.64 436.93	434.77 437.24	436.08 437.57	437.17 437.91	435.88 438.24	436.23 438.58
464+50	465+00	465+50	466+00	466+50	467+00	467+50	468+00	468+50	469+00	469+50	470+00	470+50

FILE NAME = L:\DOT\0986603\Draw\CADD_Sheets\Frontage
 USER NAME = Brian Bond
 ROAD CONTRACT = D998859-shr-plnprf-025-Frontage
 DRAWN = RH & SH
 CHECKED = KPF & SPH
 PLOT DATE = 3/22/2011

DESIGNED = BB
 REVISIONS:
 1. DATE = 3/16/11

REVISIONS:
 1. REVISIONS:
 2. REVISIONS:
 3. REVISIONS:

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

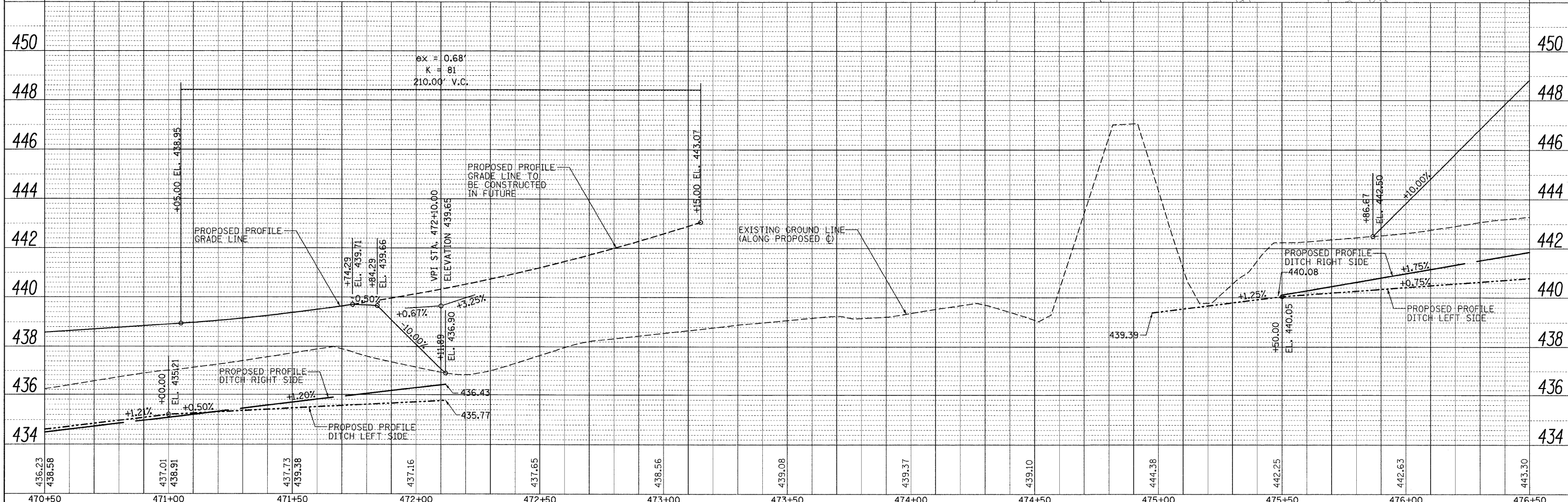
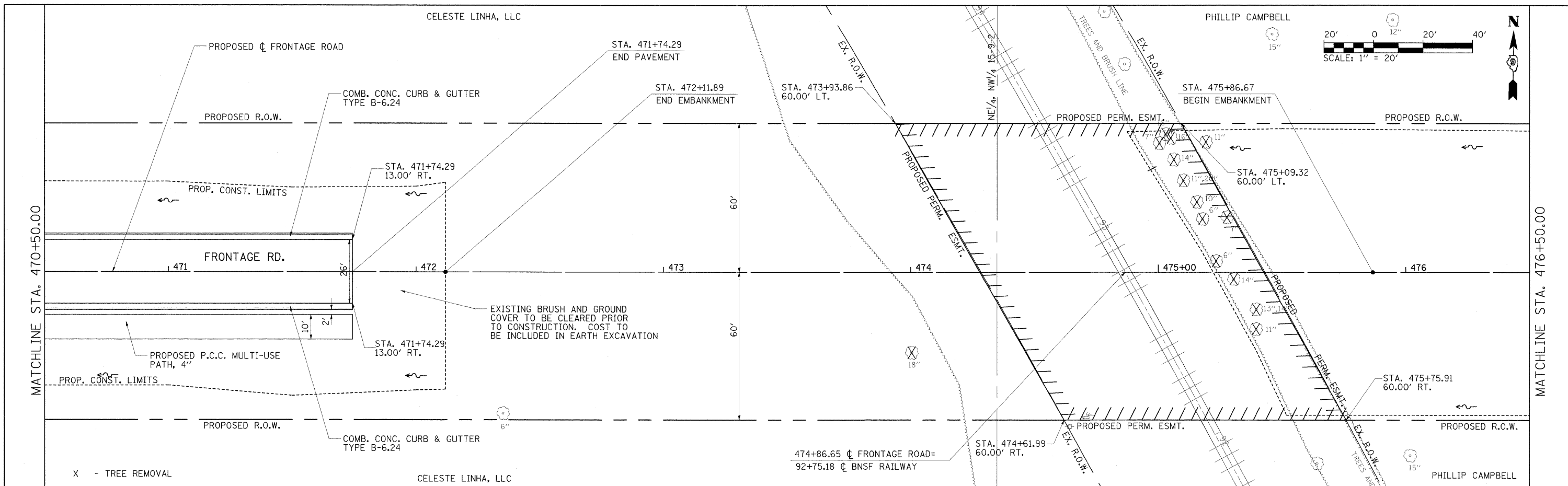
**PLAN AND PROFILE
 FRONTAGE ROAD**

SCALE: 1"=20' SHEET NO. OF SHEETS STA. 464+50 TO STA. 470+50

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1X-1) R-7	WILLIAMSON	79	16
CONTRACT NO. 78251				
ILLINOIS FED. AID PROJECT				

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

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	NOTE BOOK		
	NO. OF WAY CHECKED		
	STRUCTURE NOTATIONS CHFD		



FILE NAME =	USER NAME = Brian Bond	DESIGNED - BB	REVISED -
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	PLOT SCALE = 20.0000' / IN.	CHECKED - KPF & SPH	REVISED -
	PLOT DATE = 3/17/2011	DATE - 3/16/11	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

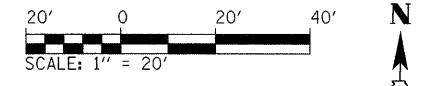
**PLAN AND PROFILE
FRONTAGE ROAD**

SCALE: 1"=20' SHEET NO. OF SHEETS STA. 470+50 TO STA. 476+50

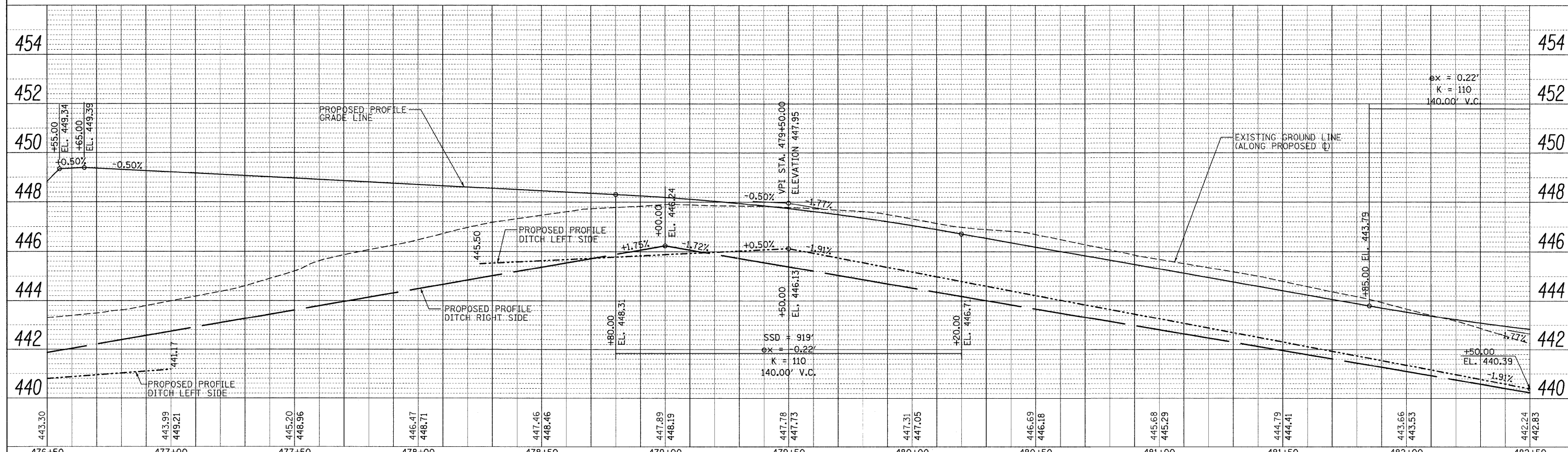
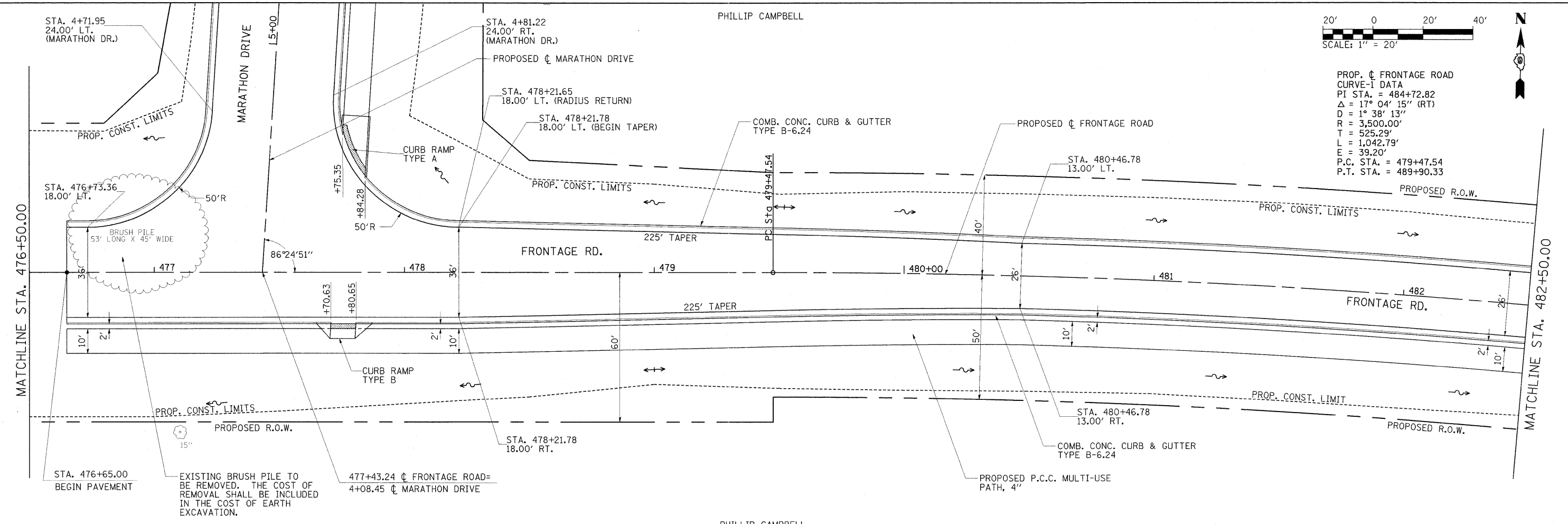
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1X-1) R-7	WILLIAMSON	79	17
CONTRACT NO. 78251				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
NOTE BOOK	FILED	
NO.	BY	
	CHECKED	
	BY	
	DATE	

PROFILE	SURVEYED	DATE
NOTE BOOK	FILED	
NO.	BY	
	CHECKED	
	BY	
	DATE	



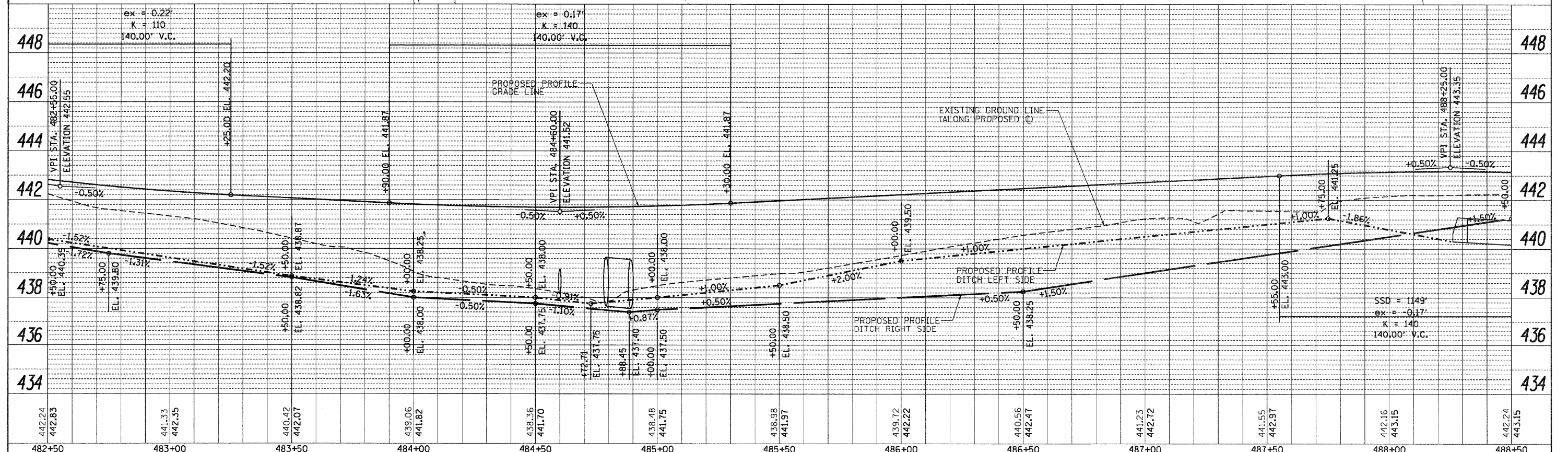
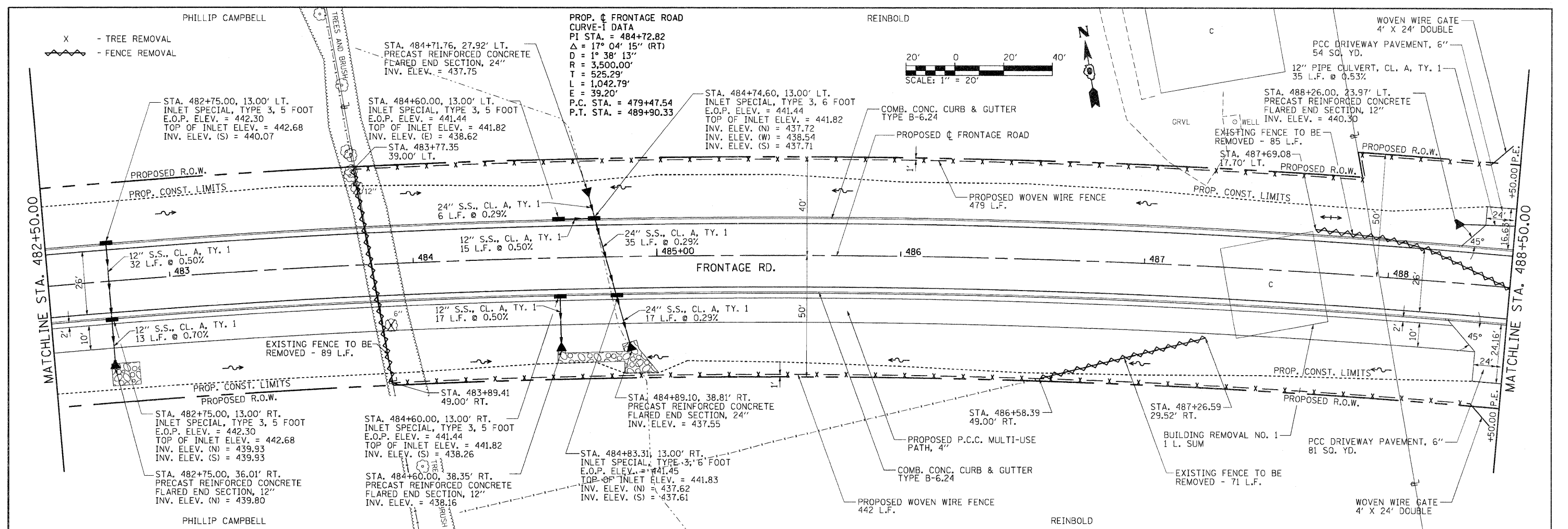
PROP. \bar{C} FRONTAGE ROAD
 CURVE-1 DATA
 PI STA. = 484+72.82
 Δ = 17° 04' 15" (RT)
 D = 1° 38' 13"
 R = 3,500.00'
 T = 525.29'
 L = 1,042.79'
 E = 39.20'
 P.C. STA. = 479+47.54
 P.T. STA. = 489+90.33



FILE NAME =	USER NAME = Brian Bond	DESIGNED - BB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN AND PROFILE FRONTAGE ROAD	F.A. RTE. 331	SECTION (1X-1) R-7	COUNTY WILLIAMSON	TOTAL SHEETS 79	SHEET NO. 18		
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		CHECKED - KPF & SPH	REVISED -			ILLINOIS FED. AID PROJECT						
		DATE - 3/16/11	REVISED -									

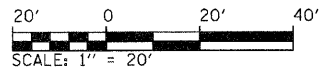
DATE	
BY	
PLAN	
SURVEYED	
PLOTTED	
NOTED	
NO. BOOK	
NO.	
CADD FILE NAME	

DATE	
BY	
PROFILE	
SURVEYED	
PLOTTED	
NOTED	
NO. BOOK	
NO.	
STRUCTURE NOTATIONS (BY)	



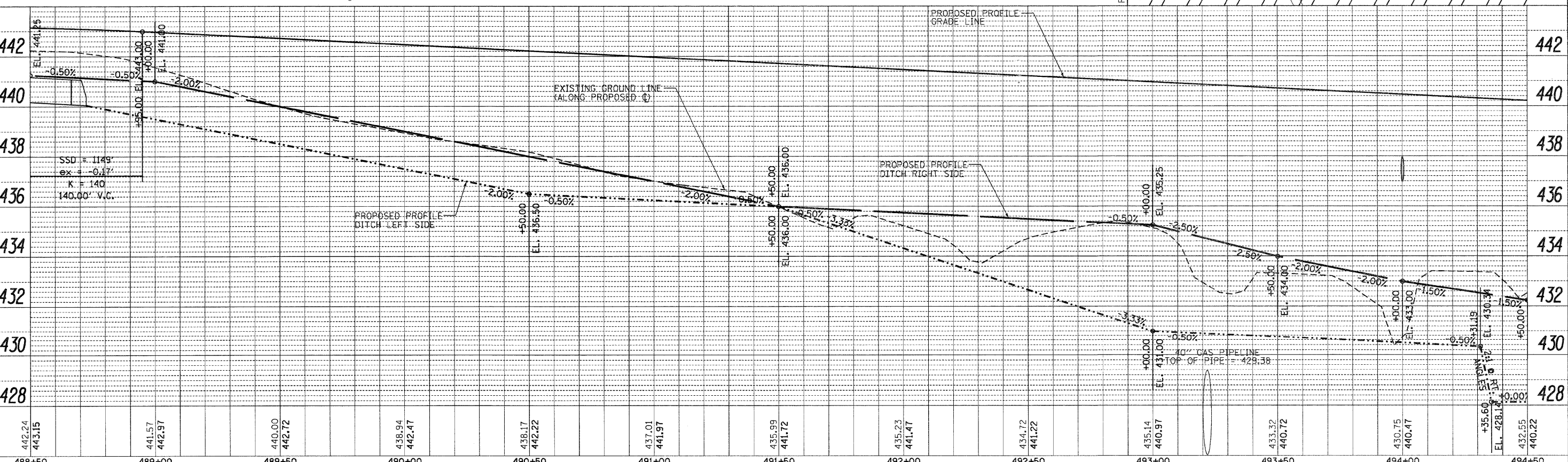
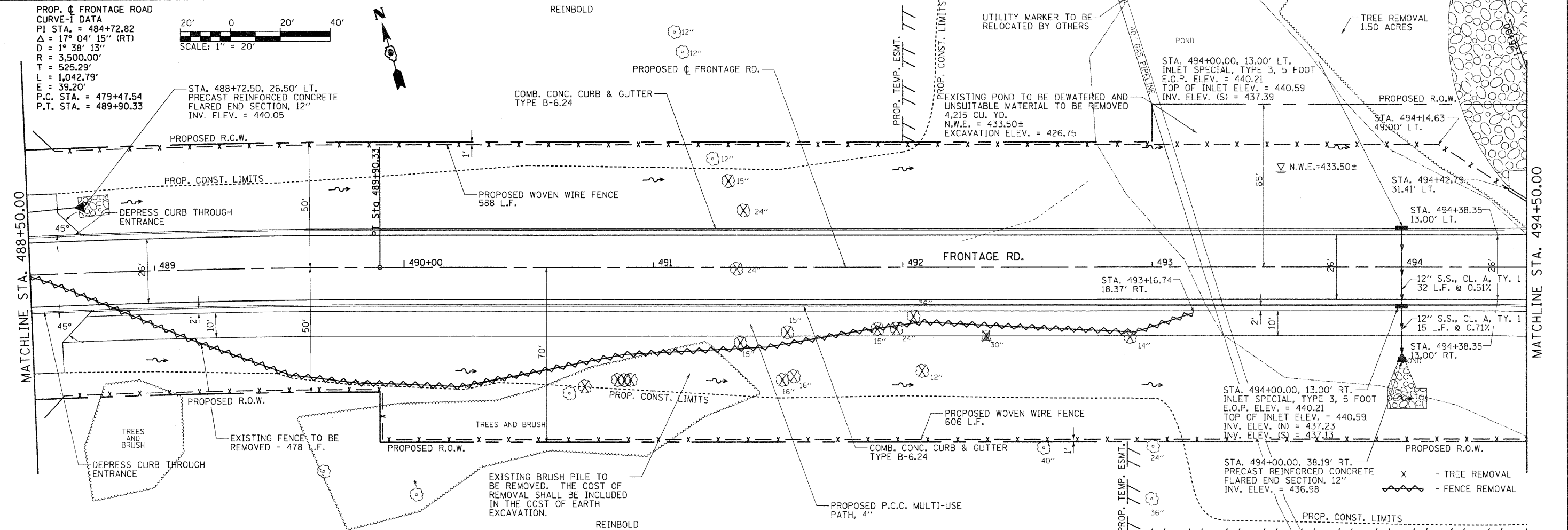
FILE NAME =	USER NAME = Brian Bond	DESIGNED - BB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN AND PROFILE FRONTAGE ROAD	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1:\DDOT\208666\3\Draw\CADD_Sheets\Frontage	Road Contract\098859-sht\prf-208-Frontage	DRAWN - RH & SH	REVISED -			331	(1X-1) R-7	WILLIAMSON	79	19
PLOT SCALE = 40.0000' / IN.	CHECKED - KPF & SPH	REVISED -	REVISED -			CONTRACT NO. 78251				
PLOT DATE = 7/1/2011	DATE - 3/16/11	REVISED -	REVISED -			ILLINOIS FED. AID PROJECT				

PROP. ϕ FRONTAGE ROAD
 CURVE-I DATA
 PI STA. = 484+72.82
 $\Delta = 17^{\circ} 04' 15''$ (RT)
 $D = 1^{\circ} 38' 13''$
 $R = 3,500.00'$
 $T = 525.29'$
 $L = 1,042.79'$
 $E = 39.20'$
 P.C. STA. = 479+47.54
 P.T. STA. = 489+90.33



DATE	
BY	
PLAN	
NO.	
NO.	
NO.	
NO.	
NO.	
NO.	
NO.	
NO.	

DATE	
BY	
PROFILE	
NO.	
NO.	
NO.	
NO.	
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NO.	
NO.	
NO.	



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488+50	489+00	489+50	490+00	490+50	491+00	491+50	492+00	492+50	493+00	493+50	494+00	494+50															

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 ROAD CONTRACT = D998859-shr-pirpf-209-Frontage
 PLANT SCALE = 42.0000' / IN.
 PLANT DATE = 7/1/2011

DESIGNED - BB
 DRAWN - RH & SH
 CHECKED - KPF & SPH
 DATE - 3/16/11

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

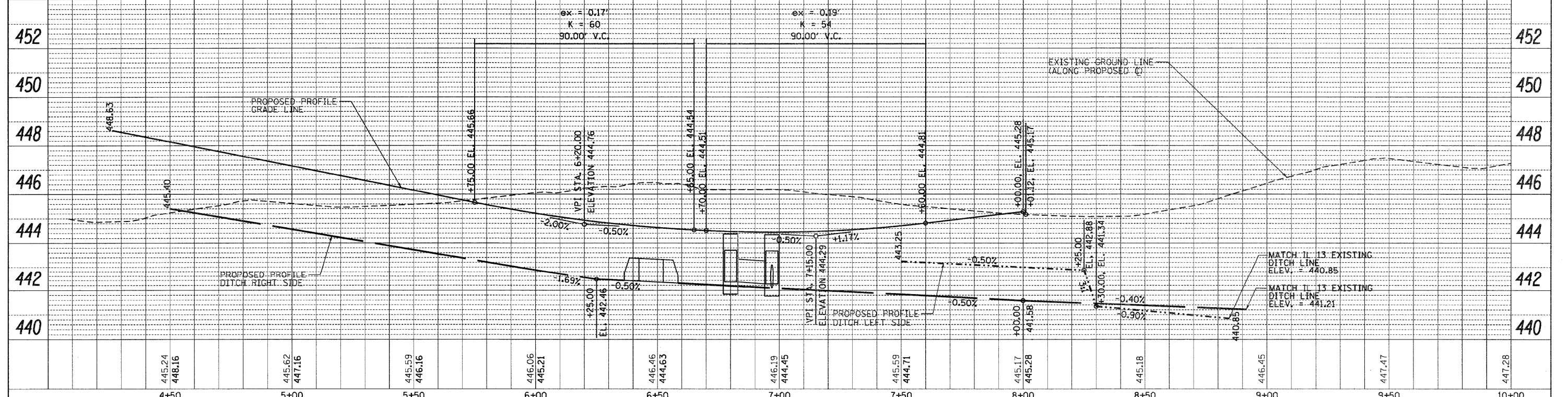
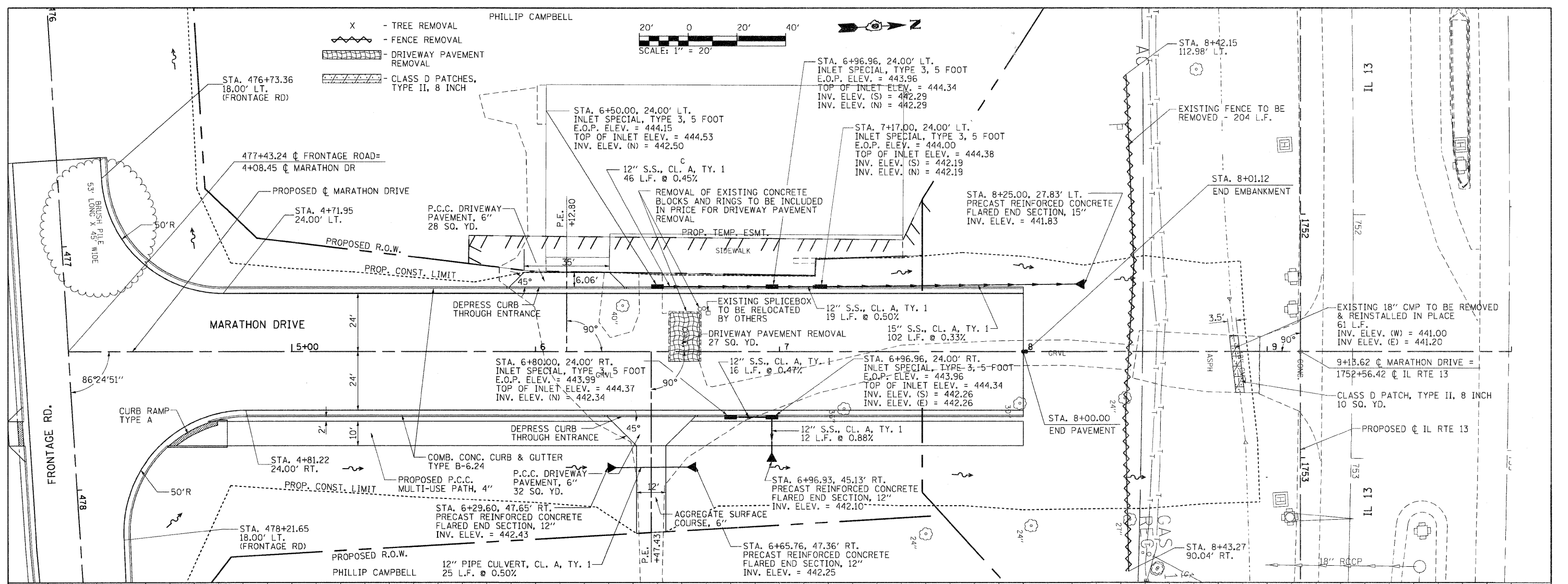
**PLAN AND PROFILE
 FRONTAGE ROAD**

SCALE: 1"=20' SHEET NO. OF SHEETS STA. 488+50 TO STA. 494+50

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1X-1) R-7	WILLIAMSON	79	20
CONTRACT NO. 78251			ILLINOIS FED. AID PROJECT	

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

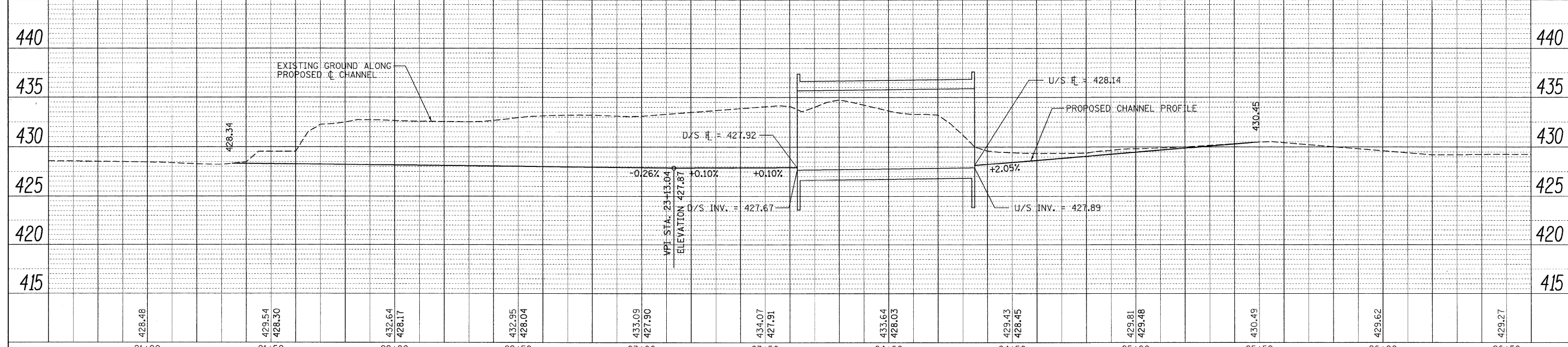
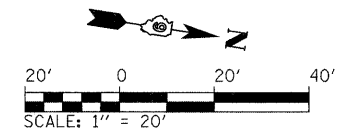
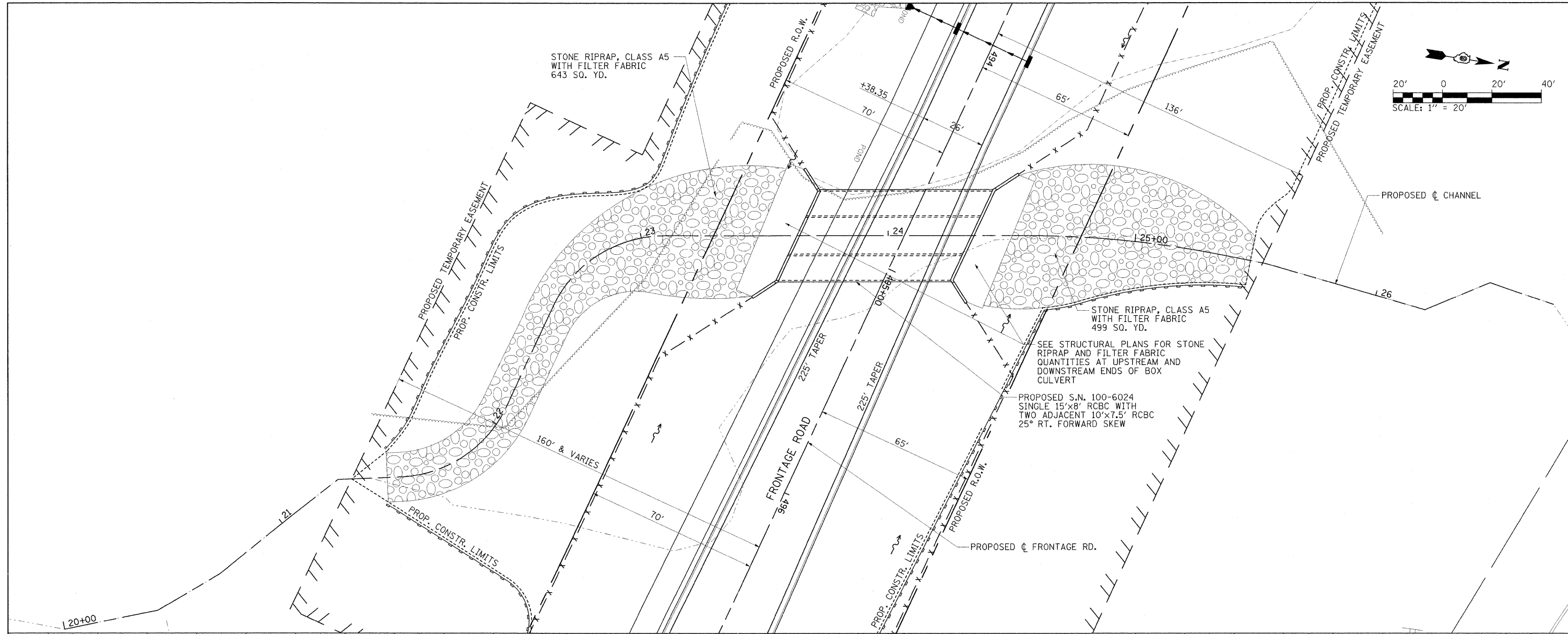
DATE
BY
SURVEYED
PLOTTED
CHECKED
REVISIONS
NO. DATE
PROFILE
NOTE BOOK
NO. DATE
STRUCTURE NOTATIONS CHKD



FILE NAME =	USER NAME = Brian Bond	DESIGNED - BB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				PLAN AND PROFILE MARATHON DRIVE				F.A. RTE. 331	SECTION (1X-1) R-7	COUNTY WILLIAMSON	TOTAL SHEETS 79	SHEET NO. 22
Road Contract U998859-shr-prpf-011-Marath		DRAWN/INSTRUMENT.dgr/RH & SH	REVISED -	SCALE: 1"=20'				SHEET NO. OF SHEETS				CONTRACT NO. 78251				
PLOT SCALE = 42.0000' / IN.		CHECKED - KPF & SPH	REVISED -	STA. 4+00.00 TO STA. 10+00.00				ILLINOIS FED. AID PROJECT								
PLOT DATE = 7/1/2011		DATE - 3/16/11	REVISED -													

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	NO. OF WAY CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NO.		
	DATE		

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

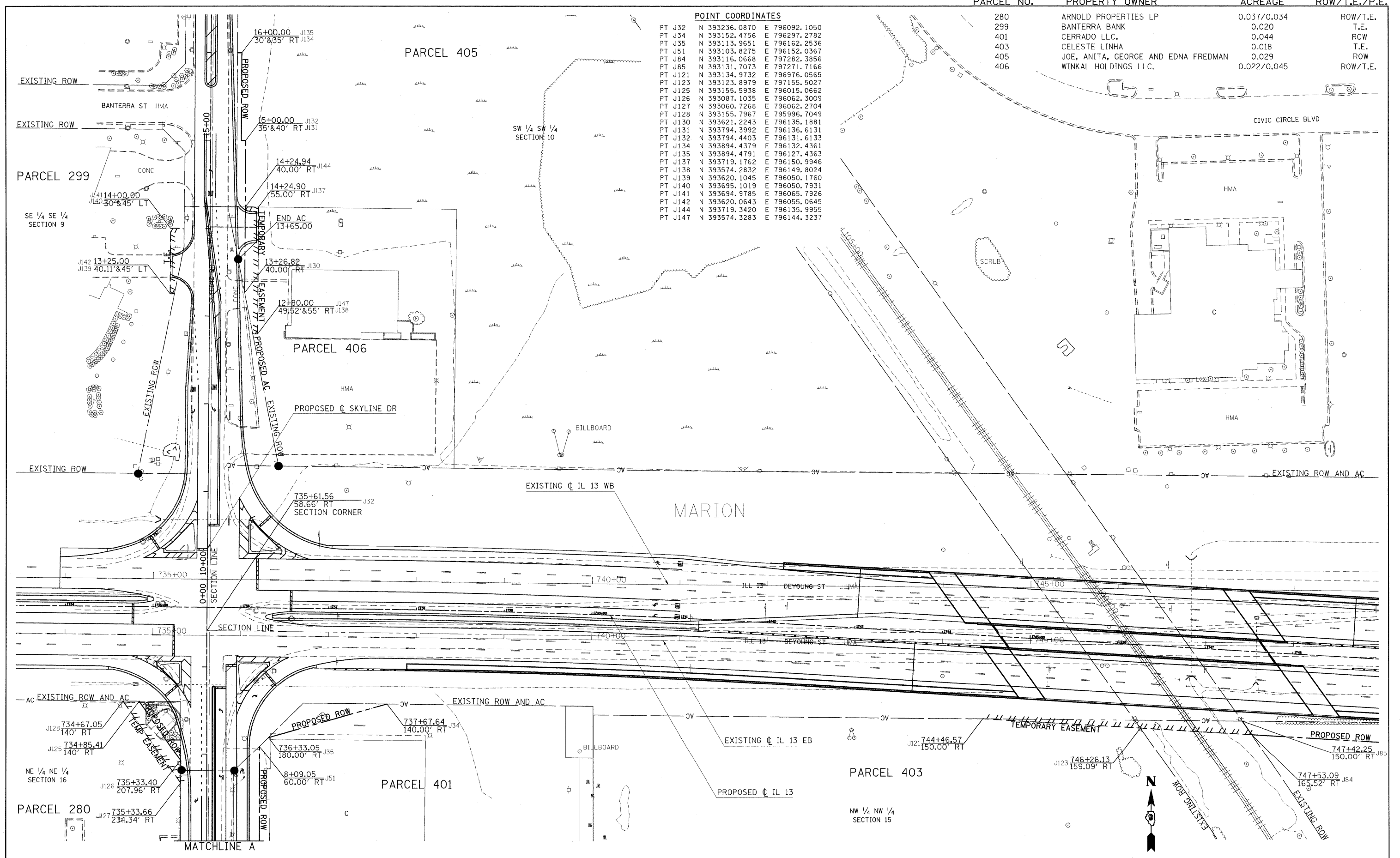


FILE NAME = L:\DOT\0906803\Draw\CADD_Sheets\Frontage	USER NAME = Brian Bond	DESIGNED - BB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FRONTAGE ROAD CHANNEL REALIGNMENT		F.A. RTE. 331	SECTION (1X-1) R-7	COUNTY WILLIAMSON	TOTAL SHEETS 79	SHEET NO. 23	
	Road Contract\0998859-sht-drain-Front_Box	DRAWN - RH & SH	REVISED -		SCALE: 1"=20'	SHEET NO. OF SHEETS	STA. 20+60 TO STA. 26+60	CONTRACT NO. 78251				
	PLOT SCALE = 20.0000 "/ IN.	CHECKED - KPF & SPH	REVISED -		ILLINOIS FED. AID PROJECT							
	PLOT DATE = 3/22/2011	DATE - 3/16/11	REVISED -									

PARCEL NO.	PROPERTY OWNER	ACREAGE	ROW/T.E./P.E.
280	ARNOLD PROPERTIES LP	0.037/0.034	ROW/T.E.
299	BANTERRA BANK	0.020	T.E.
401	CERRADO LLC.	0.044	ROW
403	CELESTE LINHA	0.018	T.E.
405	JOE, ANITA, GEORGE AND EDNA FREDMAN	0.029	ROW
406	WINKAL HOLDINGS LLC.	0.022/0.045	ROW/T.E.

POINT COORDINATES

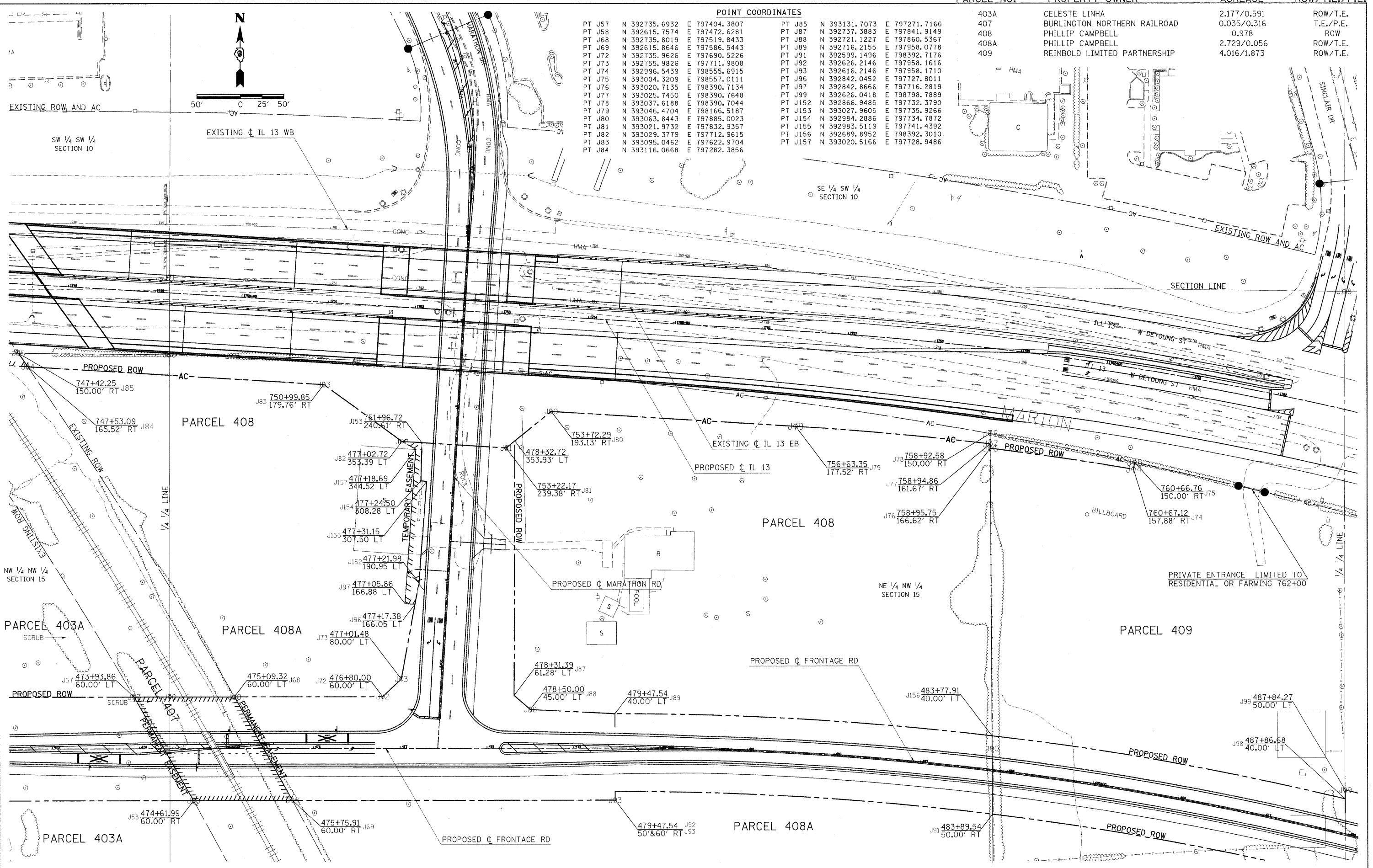
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PT J34	N 393152.4756	E 796297.2782
PT J35	N 393113.9651	E 796162.2536
PT J51	N 393103.8275	E 796152.0367
PT J84	N 393116.0668	E 797282.3856
PT J85	N 393131.7073	E 797271.7166
PT J121	N 393134.9732	E 796976.0565
PT J123	N 393123.8979	E 797155.5027
PT J125	N 393155.5938	E 796015.0662
PT J126	N 393087.1035	E 796062.3009
PT J127	N 393060.7268	E 796062.2704
PT J128	N 393155.7967	E 795996.7049
PT J130	N 393621.2243	E 796135.1881
PT J131	N 393794.3992	E 796136.6131
PT J132	N 393794.4403	E 796131.6133
PT J134	N 393894.4379	E 796132.4361
PT J135	N 393894.4791	E 796127.4363
PT J137	N 393719.1762	E 796150.9946
PT J138	N 393574.2832	E 796149.8024
PT J139	N 393620.1045	E 796050.1760
PT J140	N 393695.1019	E 796050.7931
PT J141	N 393694.9785	E 796065.7926
PT J142	N 393620.0643	E 796055.0645
PT J144	N 393719.3420	E 796135.9955
PT J147	N 393574.3283	E 796144.3237



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY PLANS

FILE NAME	USER NAME = obrtenma	DESIGNED -	REVISED -	<table border="1"> <thead> <tr> <th>F.A.P. RTE.</th> <th>SECTION</th> <th>COUNTY</th> <th>TOTAL SHEETS</th> <th>SHEET NO.</th> </tr> </thead> <tbody> <tr> <td>14</td> <td>(1X-1)R-7</td> <td>WILLIAMSON</td> <td>79</td> <td>24</td> </tr> </tbody> </table>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	14	(1X-1)R-7	WILLIAMSON	79	24
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS		SHEET NO.									
14	(1X-1)R-7	WILLIAMSON	79		24									
ci:\pw\work\p\dot\obrtenma\d0180290\190403-sht-rowplan-sky-wait.dgn	PLOT SCALE = 50.0000' / IN.	DRAWN -	REVISED -											
	PLOT DATE = 3/24/2011	CHECKED -	REVISED -											
		DATE -	REVISED -											
<table border="1"> <thead> <tr> <th>PROJECT NON-FA</th> <th>JOB NO. R99-004-03</th> <th>FED. ROAD DIST. NO.</th> <th>ILLINOIS FED. AID PROJECT</th> </tr> </thead> <tbody> <tr> <td>SCALE: 1"=50'</td> <td>SHEET NO. OF SHEETS</td> <td>STA. TO STA.</td> <td>CONTRACT NO. 98859</td> </tr> </tbody> </table>				PROJECT NON-FA	JOB NO. R99-004-03	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	SCALE: 1"=50'	SHEET NO. OF SHEETS	STA. TO STA.	CONTRACT NO. 98859			
PROJECT NON-FA	JOB NO. R99-004-03	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT											
SCALE: 1"=50'	SHEET NO. OF SHEETS	STA. TO STA.	CONTRACT NO. 98859											



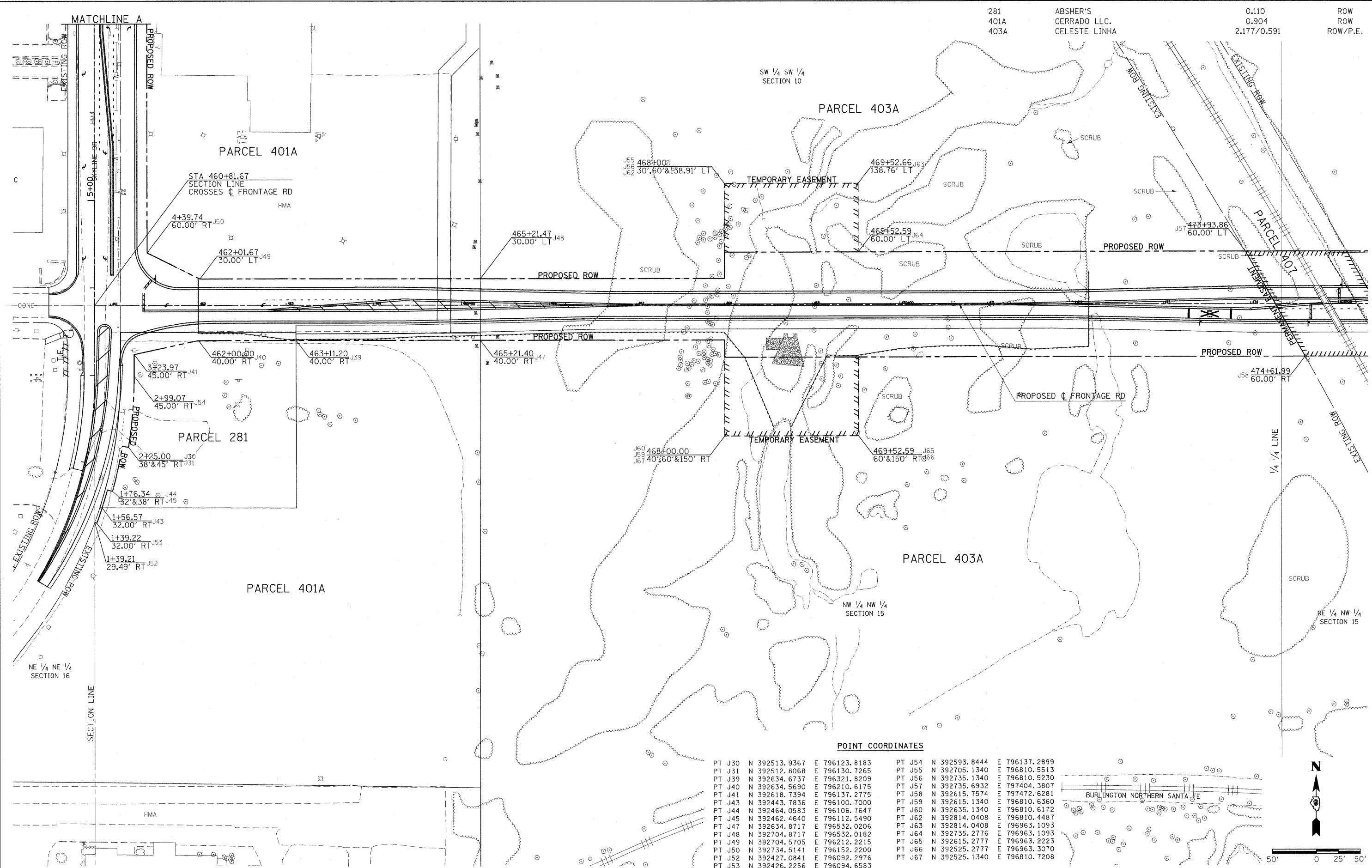
POINT COORDINATES

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PT J58	N 392615.7574	E 797472.6281	PT J87	N 392737.3883	E 797841.9149
PT J68	N 392735.8019	E 797519.8433	PT J88	N 392721.1227	E 797860.5367
PT J69	N 392615.8646	E 797586.5443	PT J89	N 392716.2155	E 797958.0778
PT J72	N 392735.9626	E 797690.5226	PT J91	N 392599.1496	E 798392.7176
PT J73	N 392755.9826	E 797711.9808	PT J92	N 392626.2146	E 797958.1616
PT J74	N 392996.5439	E 798555.6915	PT J93	N 392616.2146	E 797958.1710
PT J75	N 393004.3209	E 798557.0111	PT J96	N 392842.0452	E 797727.8011
PT J76	N 393020.7135	E 798390.7134	PT J97	N 392842.8666	E 797716.2819
PT J77	N 393025.7450	E 798390.7648	PT J99	N 392626.0418	E 798798.7889
PT J78	N 393037.6188	E 798390.7044	PT J152	N 392866.9485	E 797732.3790
PT J79	N 393046.4704	E 798166.5187	PT J153	N 393027.9605	E 797735.9266
PT J80	N 393063.8443	E 797885.0023	PT J154	N 392984.2886	E 797734.7872
PT J81	N 393021.9732	E 797832.9357	PT J155	N 392983.5119	E 797741.4392
PT J82	N 393029.3779	E 797712.9615	PT J156	N 392689.8952	E 798392.3010
PT J83	N 393095.0462	E 797622.9704	PT J157	N 393020.5166	E 797728.9486
PT J84	N 393116.0668	E 797282.3856			

PARCEL NO.	PROPERTY OWNER	ACREAGE	ROW/T.E./P.E.
403A	CELESTE LINHA	2.177/0.591	ROW/T.E.
407	BURLINGTON NORTHERN RAILROAD	0.035/0.316	T.E./P.E.
408	PHILLIP CAMPBELL	0.978	ROW
408A	PHILLIP CAMPBELL	2.729/0.056	ROW/T.E.
409	REINBOLD LIMITED PARTNERSHIP	4.016/1.873	ROW/T.E.

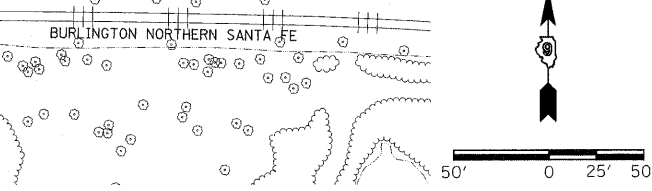
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PLOT SCALE = 50.0000' / 1"	PLOT DATE = 3/24/2011	DRAWN -	REVISED -		PROJECT NON-FA	JOB NO. R99-004-03	FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		CONTRACT NO. 98859
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		DATE -	REVISED -								

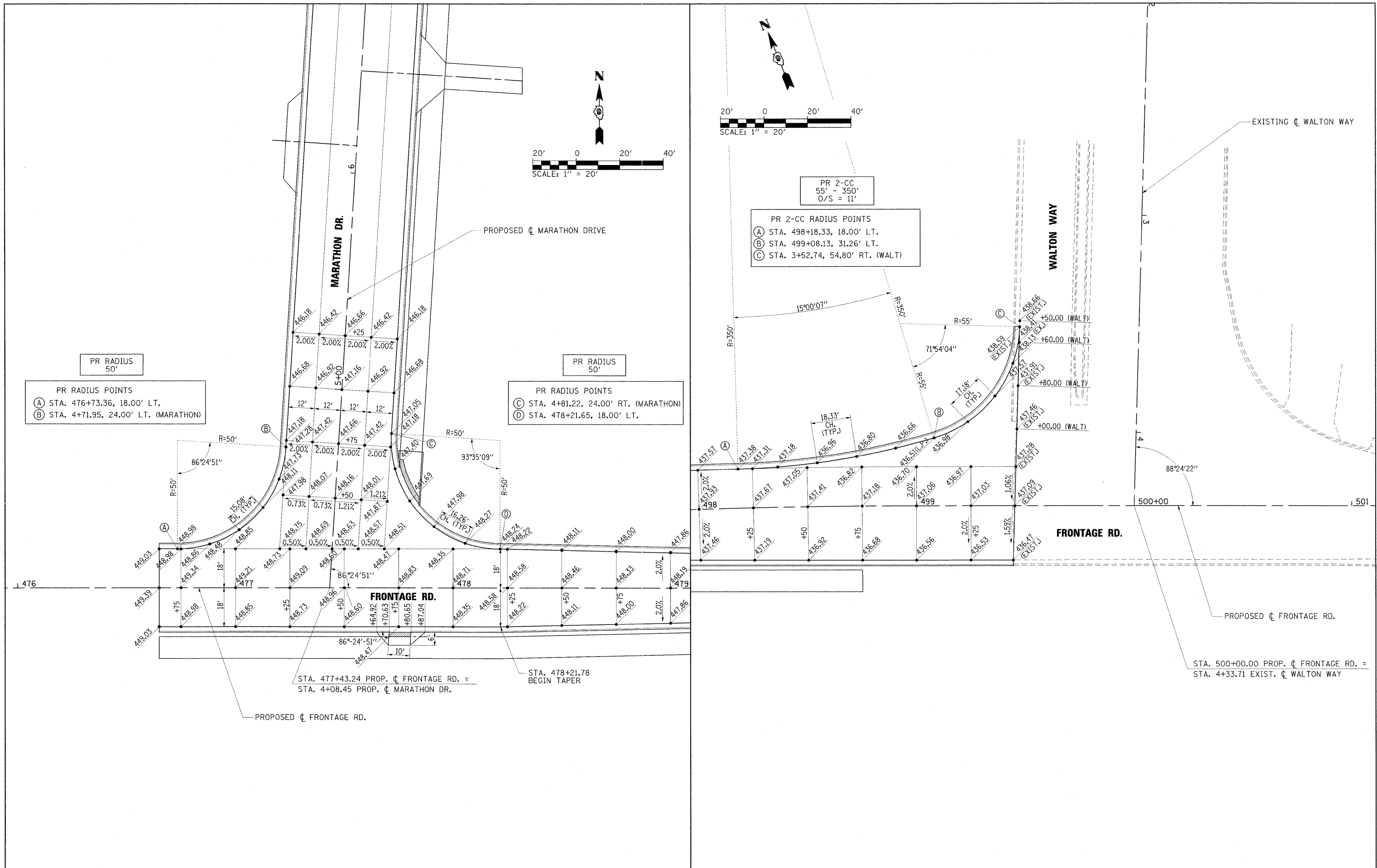
281	ABSHER'S	0.110	ROW
401A	CERRADO LLC.	0.904	ROW
403A	CELESTE LINHA	2.177/0.591	ROW/P.E.



POINT COORDINATES

PT J30	N 392513.9367	E 796123.8183	PT J54	N 392593.8444	E 796137.2899
PT J31	N 392512.8068	E 796130.7265	PT J55	N 392705.1340	E 796810.5513
PT J39	N 392634.6737	E 796321.8209	PT J56	N 392735.1340	E 796810.5230
PT J40	N 392634.5690	E 796210.6175	PT J57	N 392735.6932	E 797404.3807
PT J41	N 392618.7394	E 796137.2775	PT J58	N 392615.7574	E 797472.6281
PT J43	N 392443.7836	E 796100.7000	PT J59	N 392615.1340	E 796810.6360
PT J44	N 392464.0583	E 796106.7647	PT J60	N 392635.1340	E 796810.6172
PT J45	N 392462.4640	E 796112.5490	PT J62	N 392814.0408	E 796810.4487
PT J47	N 392634.8717	E 796532.0206	PT J63	N 392814.0408	E 796963.1093
PT J48	N 392704.8717	E 796532.0182	PT J64	N 392735.2776	E 796963.1093
PT J49	N 392704.5705	E 796212.2215	PT J65	N 392615.2777	E 796963.2223
PT J50	N 392734.5141	E 796152.2200	PT J66	N 392525.2777	E 796963.3070
PT J52	N 392427.0841	E 796092.2976	PT J67	N 392525.1340	E 796810.7208
PT J53	N 392426.2256	E 796094.6583			





PR RADIUS
50'

PR RADIUS POINTS
 (A) STA. 476+73.36, 18.00' LT.
 (B) STA. 4+71.95, 24.00' LT. (MARATHON)

PR RADIUS
50'

PR RADIUS POINTS
 (C) STA. 4+81.22, 24.00' RT. (MARATHON)
 (D) STA. 478+21.65, 18.00' LT.

PR 2-CC
55' - 350'
O/S = 11'

PR 2-CC RADIUS POINTS
 (A) STA. 498+18.33, 18.00' LT.
 (B) STA. 499+08.13, 31.26' LT.
 (C) STA. 3+52.74, 54.80' RT. (WALT)

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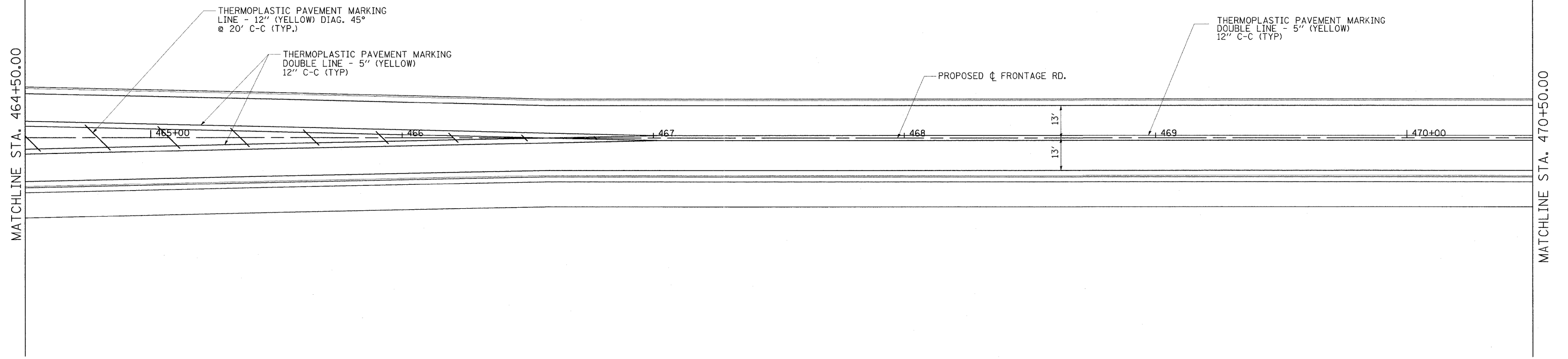
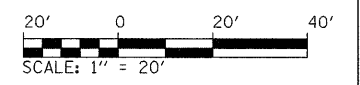
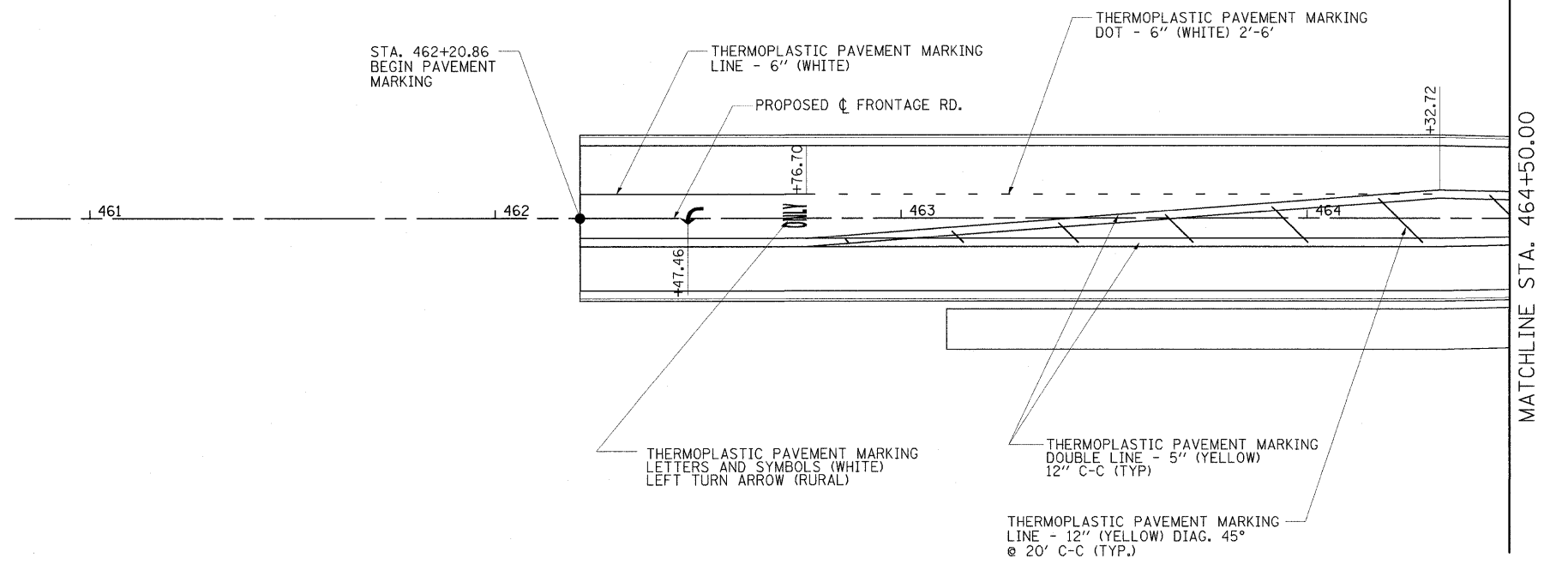
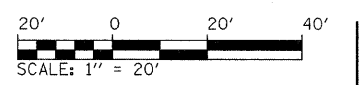
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DRAWN -	REVISED -
CHECKED -	REVISED -
DATE - 3/16/11	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

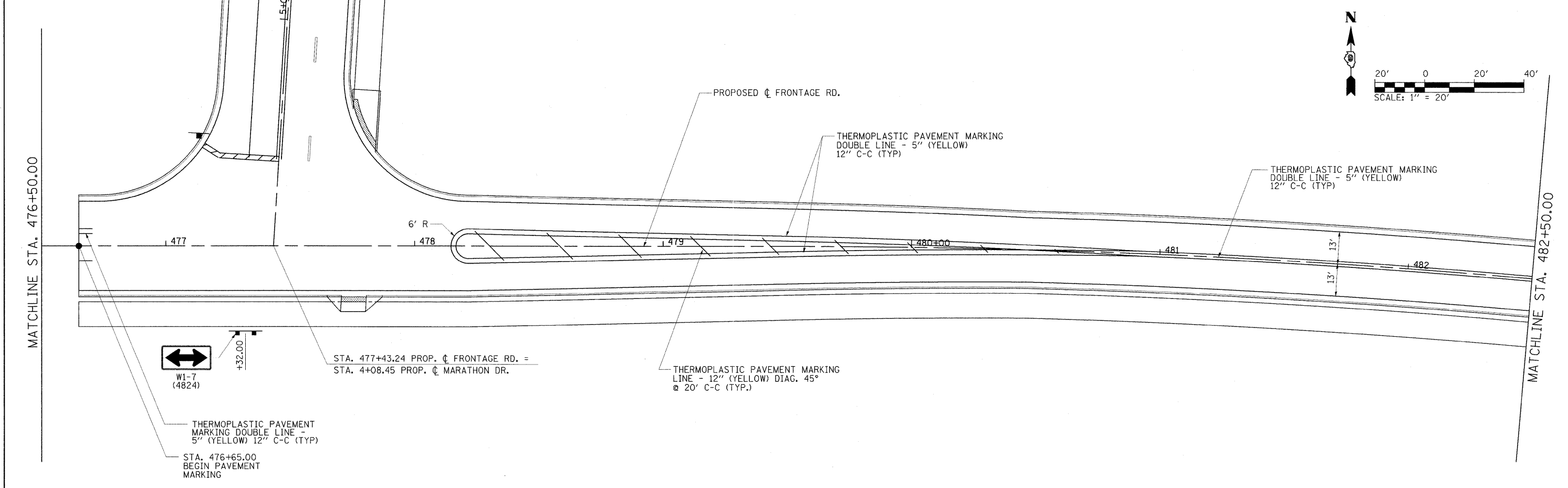
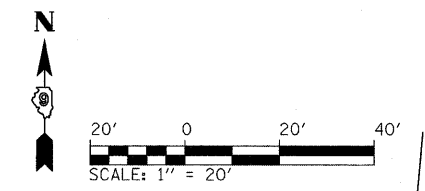
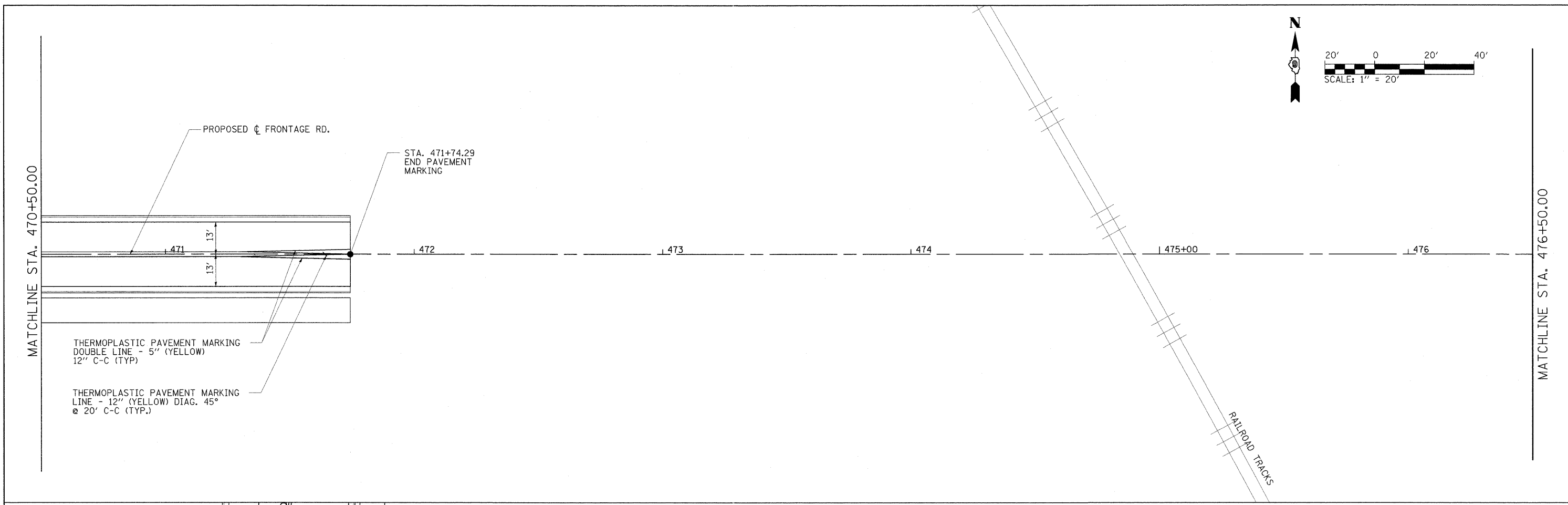
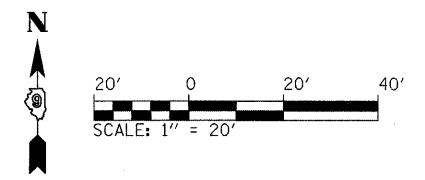
**INTERSECTION DETAIL
FRONTAGE ROAD AT WALTON WAY**

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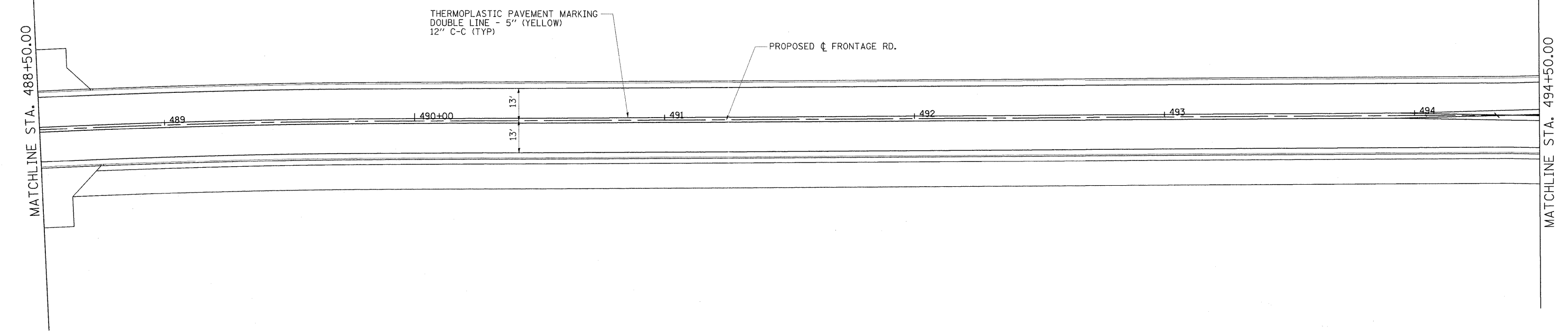
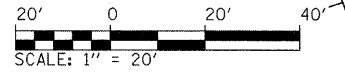
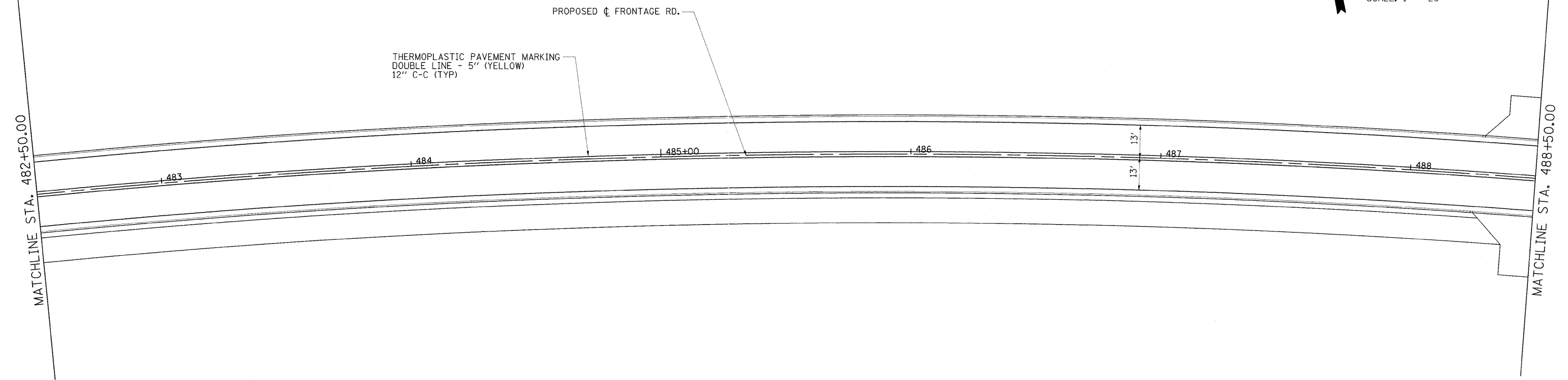
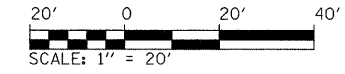
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(IX-1) R-7	WILLIAMSON	79	28
CONTRACT NO. 78251				
ILLINOIS FED. AID PROJECT				



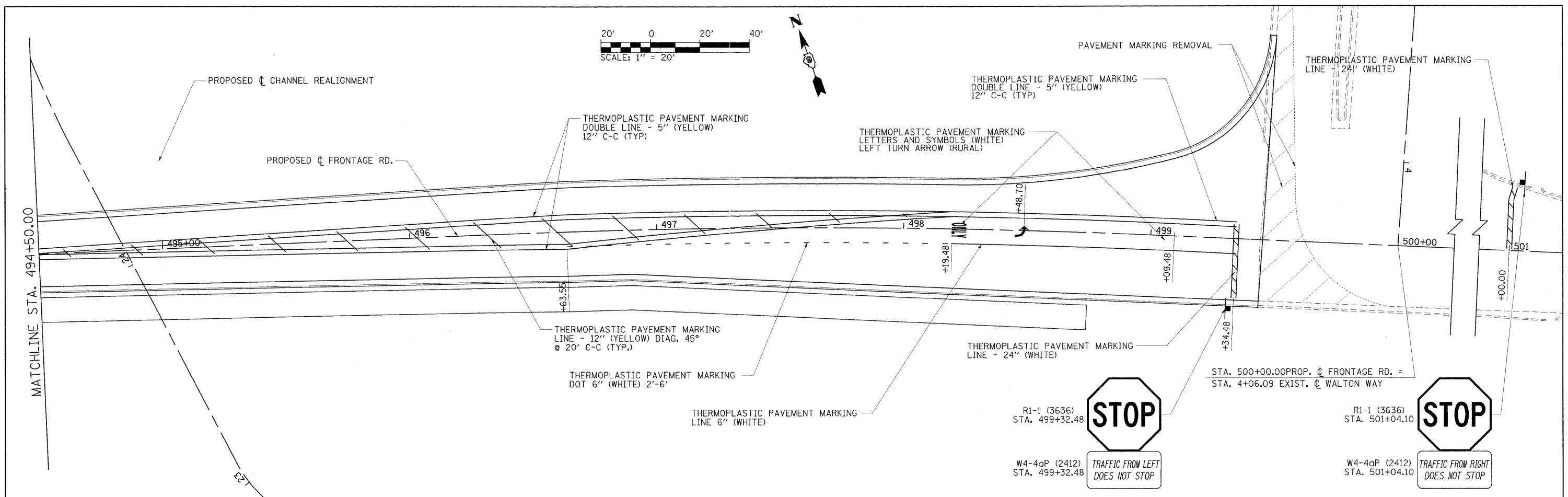
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	CHECKED -	REVISED -										
	DATE - 3/16/11	REVISED -										



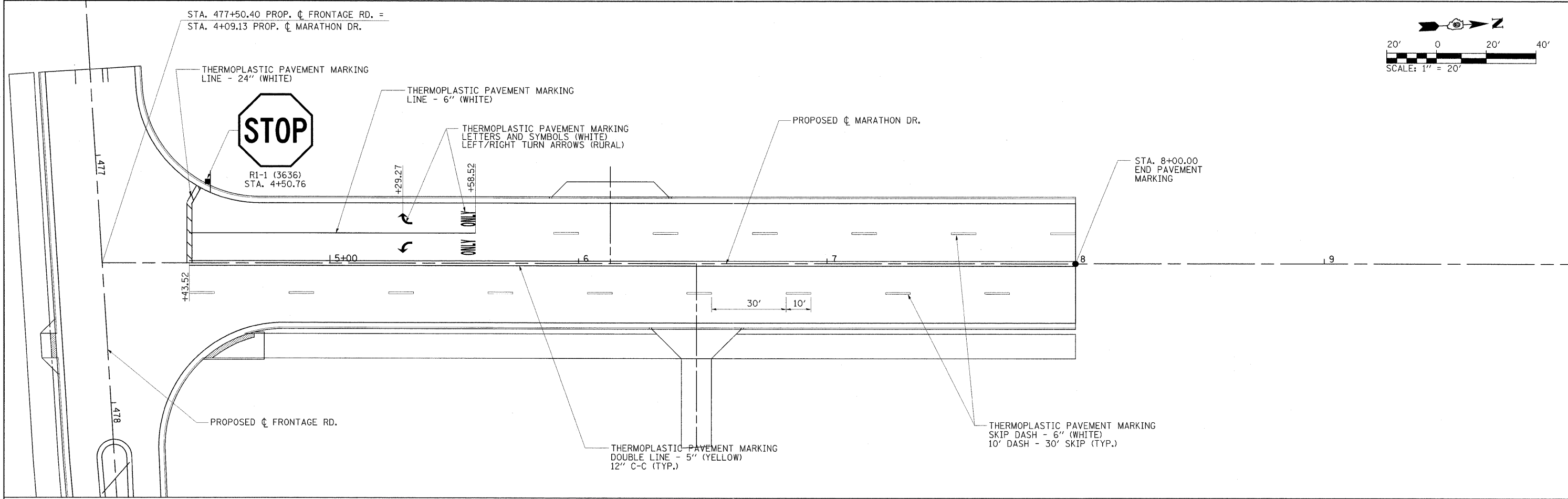
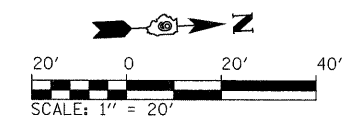
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PLOT DATE = 3/17/2011	DATE = 3/16/11	REVISED -	ILLINOIS FED. AID PROJECT								



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		CHECKED -	REVISED -									
		DATE - 3/16/11	REVISED -									

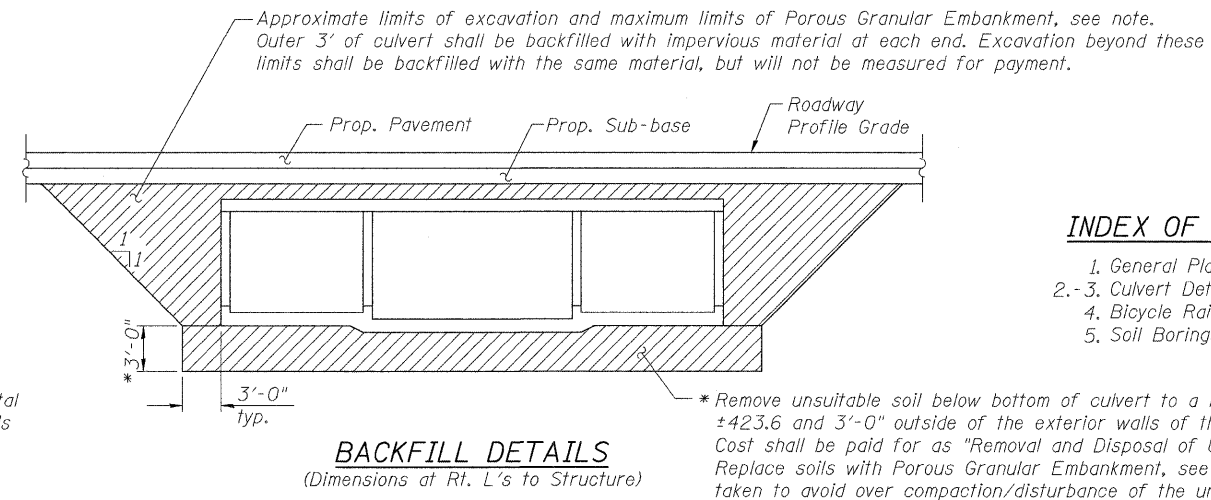
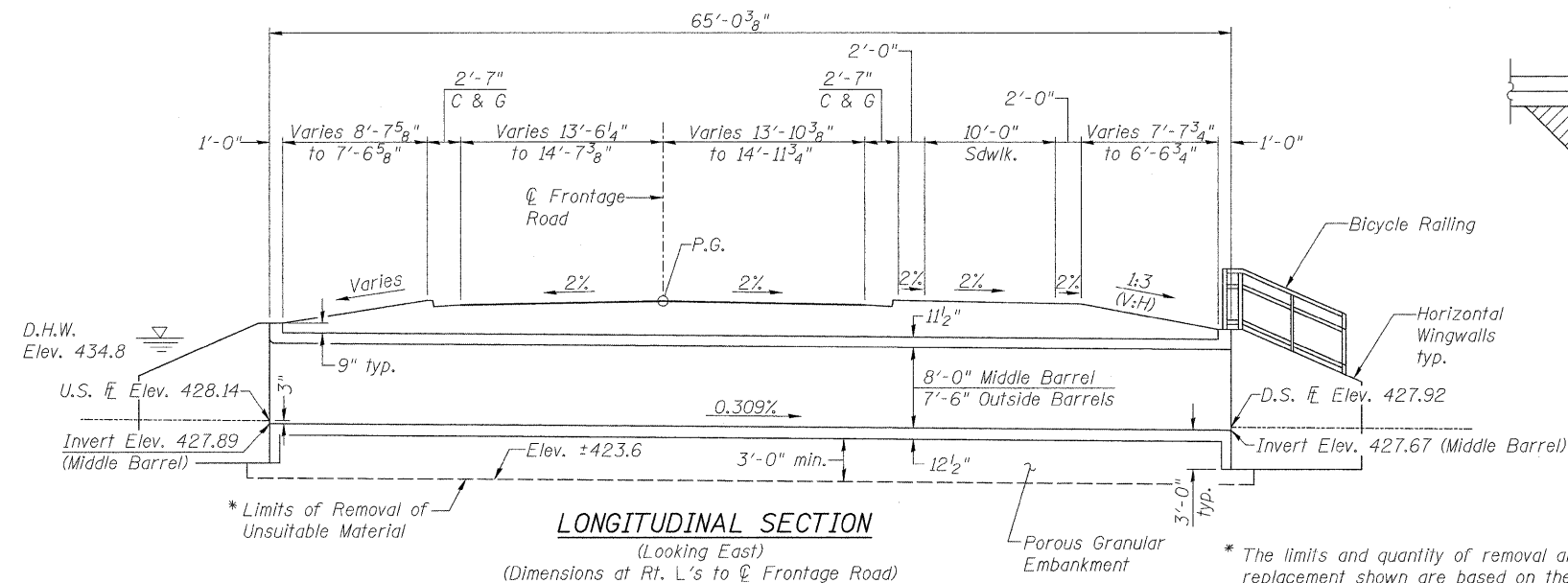


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PLOT DATE = 3/22/2011	DATE = 3/16/11	REVISED -	REVISED -			331	(1X-1) R-7	WILLIAMSON	79	32
						CONTRACT NO. 78251		ILLINOIS FED. AID PROJECT		
				SCALE: 1" = 20'		SHEET NO. OF SHEETS		STA. 494+50 TO STA. 500+50		



FILE NAME = I:\DDT\0906603\Draw\CADD_Sheets\Frontage Road Contract\0906603-sht-pmts\sgn809.dgn	USER NAME = Brian Bond	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING AND SIGNING PLAN MARATHON DRIVE			F.A. RTE. 331	SECTION (1X-1) R-7	COUNTY WILLIAMSON	TOTAL SHEETS 79	SHEET NO. 33	
	PLOT SCALE = 20.0000' / IN.	CHECKED -	REVISED -		SCALE: 1" = 20'	SHEET NO. OF SHEETS	STA. 4+09.13 TO STA. 15+90.62	CONTRACT NO. 78251					
	PLOT DATE = 3/17/2011	DATE = 3/16/11	REVISED -		ILLINOIS FED. AID PROJECT								

Benchmark: IP&C Southeast Quadrant of IL Rte. 13 E.B.L. and Walton Way, 35' East of \bar{C} Walton Way, Elev. 443.59
 Existing Structure: None



INDEX OF SHEETS

1. General Plan & Elevation
- 2.-3. Culvert Details
4. Bicycle Railing
5. Soil Borings

BACKFILL DETAILS
 (Dimensions at Rt. L's to Structure)

Pay Limits of Porous Granular Embankment

Note:
 Porous Granular Embankment shall consist of CA-7 capped with 6" of compacted CA-6. The CA-7 shall be completely enveloped in a layer of 8 ounce, non-woven filter fabric. The filter fabric shall be installed and overlapped in accordance with the manufacturer's guidelines. The cost of the filter fabric shall be included with the cost of Porous Granular Embankment.

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

DESIGN SCOUR ELEVATION TABLE

Design Scour Elevation (ft.)	U.S. Invert	D.S. Invert
	424.89	424.67

GENERAL NOTES

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.
 Reinforcement bars designated (E) shall be epoxy coated.
 Layout of slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.
 Precast alternate is not allowed.

LOADING HS20-44

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

DESIGN SPECIFICATIONS

2002 AASHTO

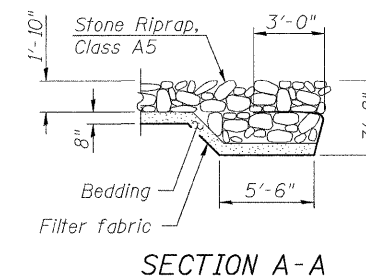
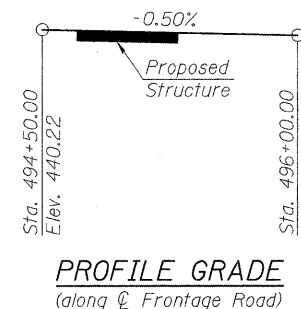
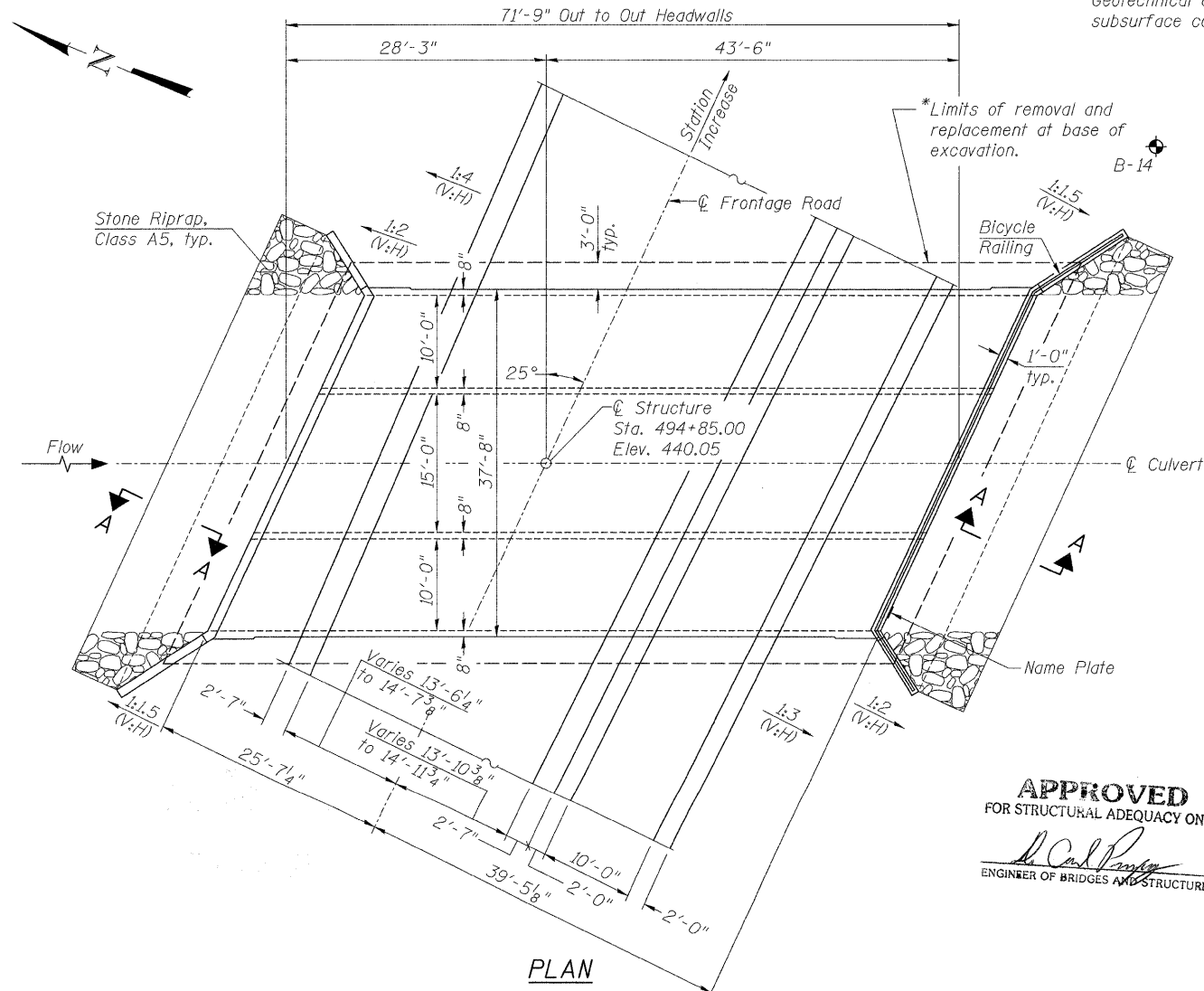
DESIGN STRESSES

FIELD UNITS

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

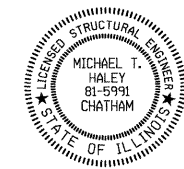
TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Stone Riprap, Class A5	Sq. Yd.	164
Filter Fabric	Sq. Yd.	224
Reinforcement Bars, Epoxy Coated	Pound	55660
Bicycle Railing	Foot	61
Name Plates	Each	1
Concrete Box Culverts	Cu. Yd.	282.1
Porous Granular Embankment	Cu. Yd.	1083
Removal and Disposal of Unsuitable Material	Cu. Yd.	436

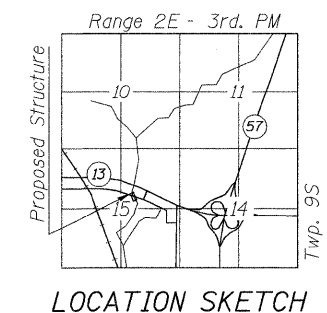


WATERWAY INFORMATION

Flood		Freq. Yr.	Q C.F.S.	Opening Sq. Ft.	Nat. H.W.E.	Head - Ft.	Headwater El.			
				Exist. Prop.	Exist. Prop.	Exist. Prop.	Exist. Prop.			
Design		50	1038	N/A	221.0	434.8	N/A	0.1	N/A	434.9
Base		100	1311	N/A	235.0	435.2	N/A	0.3	N/A	435.5
Max. Calc.		500	1780	N/A	256.0	435.8	N/A	0.7	N/A	436.5



Michael T. Haley
 Licensed Structural Engineer
 State of Illinois No. 81-5991
 Expires 11/30/2012



GENERAL PLAN & ELEVATION
IL 13 FRONTAGE ROAD OVER
TRIBUTARY TO CRAB ORCHARD CREEK
F.A.P. RTE. 331 - SEC. (1X-1)R-7
WILLIAMSON COUNTY
STATION 494+85.00
STRUCTURE NO. 100-6024

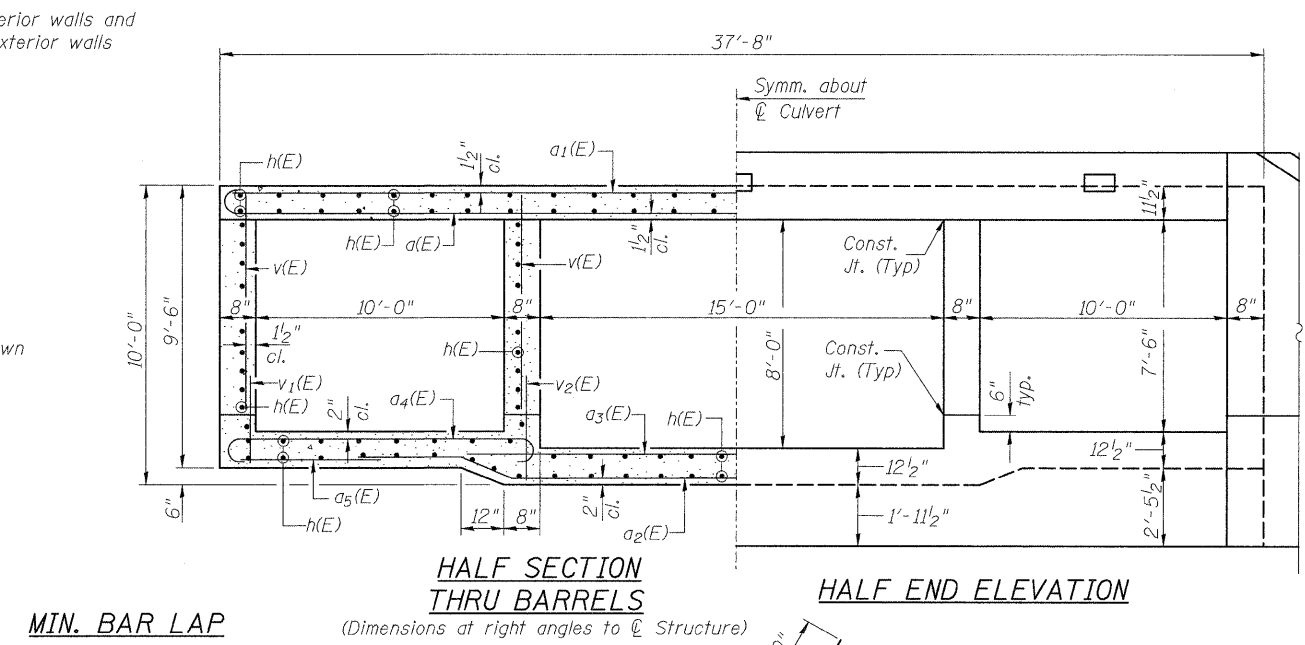
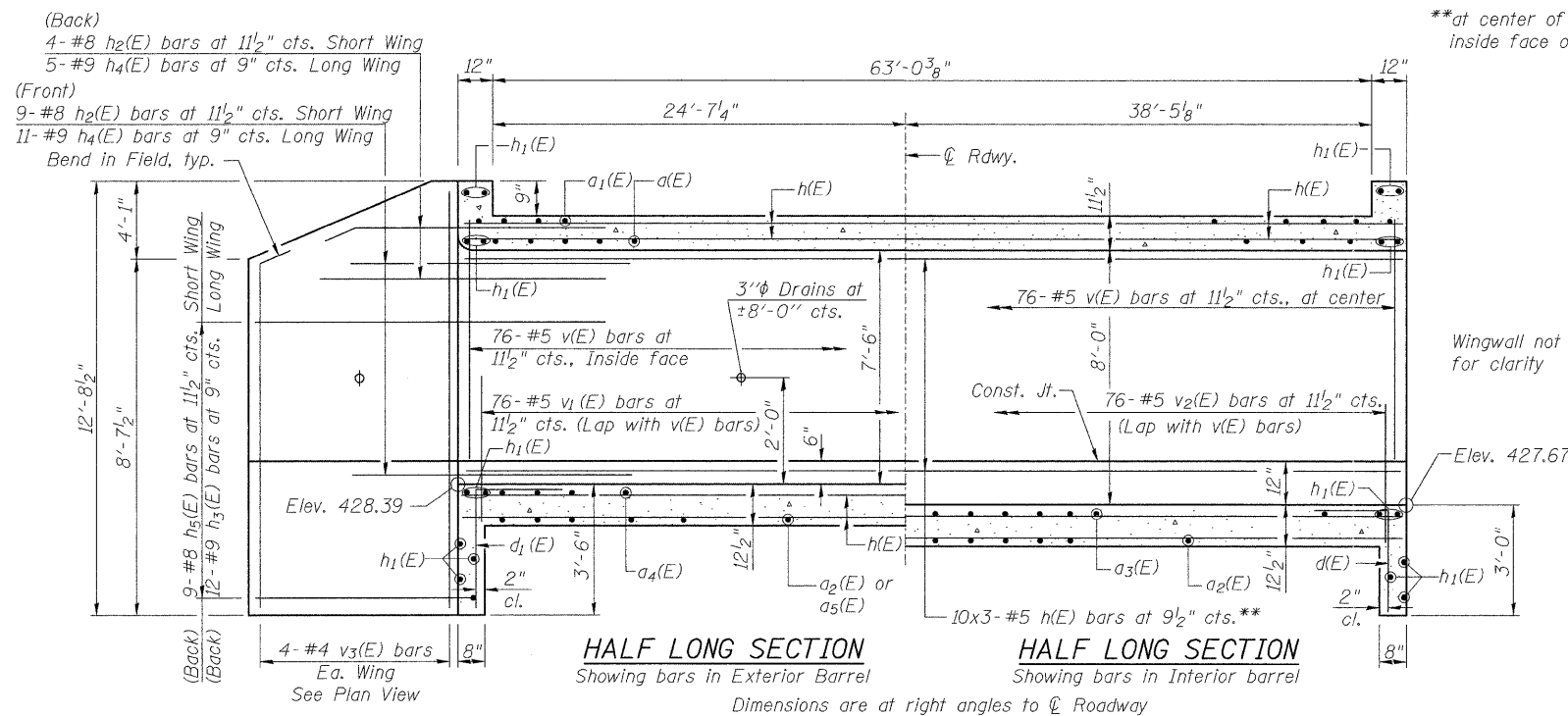


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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

3-15-2011
 Date

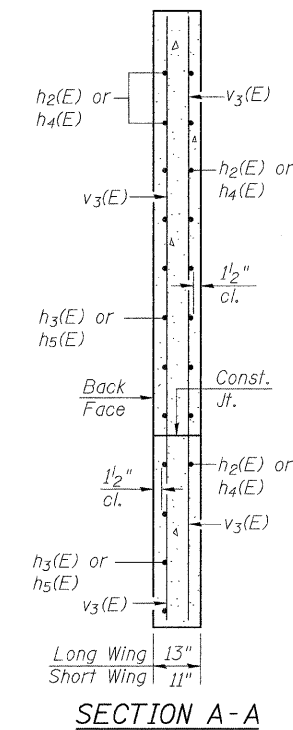
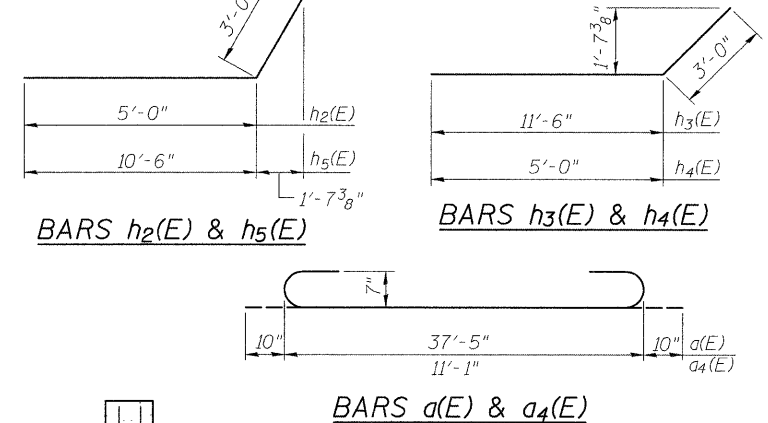
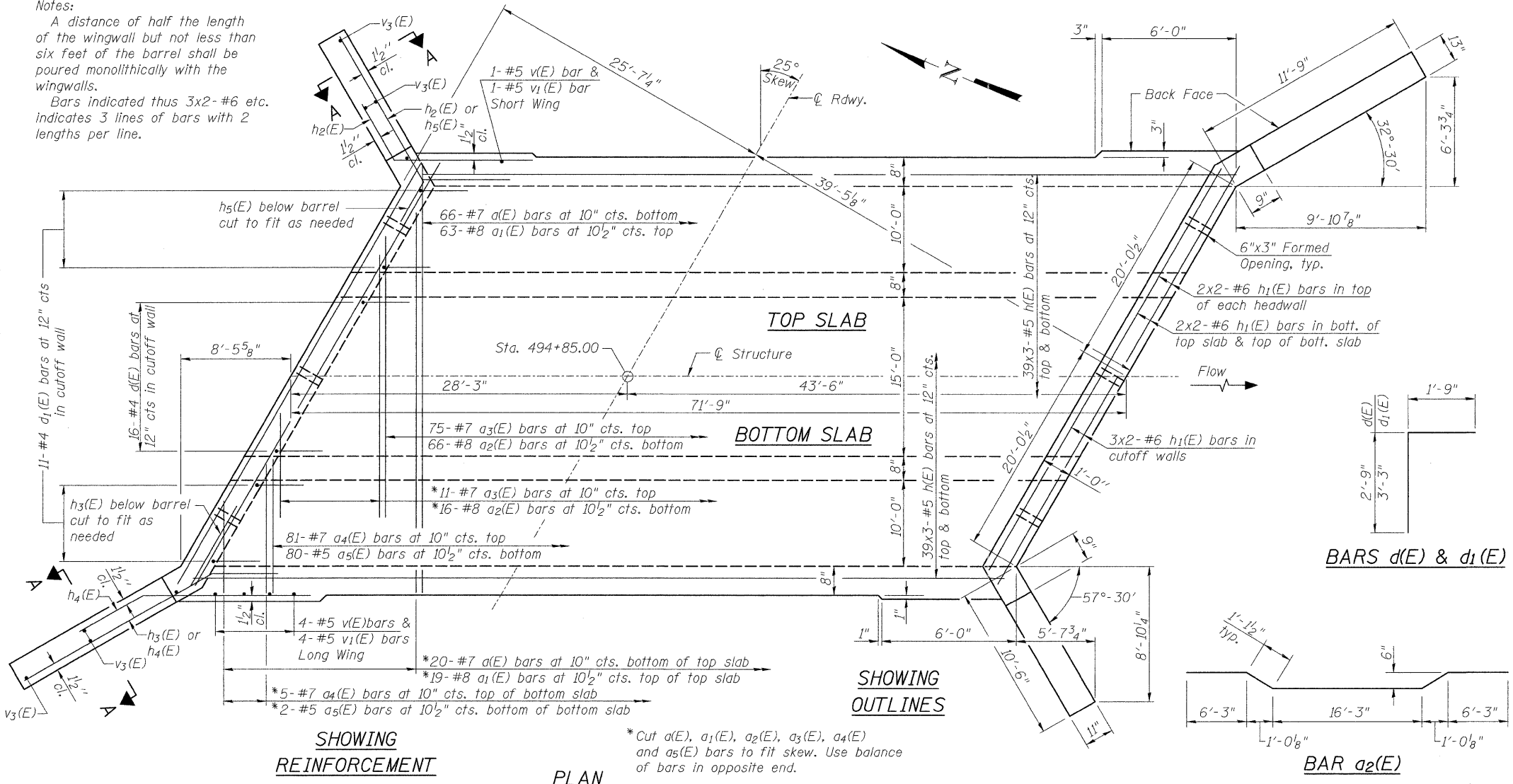
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1X-1)R-7	WILLIAMSON	79	34
				CONTRACT NO. 78251



MIN. BAR LAP
 #5 bar = 2'-7"
 #6 bar = 3'-10"

Notes:

A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.
 Bars indicated thus 3x2-#6 etc. indicates 3 lines of bars with 2 lengths per line.



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
$a(E)$	86	#7	39'-1"	U
$a_1(E)$	82	#8	37'-5"	—
$a_2(E)$	82	#8	31'-0"	—
$a_3(E)$	86	#7	21'-10"	—
$a_4(E)$	172	#7	12'-9"	U
$a_5(E)$	164	#5	5'-10"	—
$d(E)$	32	#4	4'-6"	—
$d_1(E)$	44	#4	5'-0"	—
$h(E)$	588	#5	25'-8"	—
$h_1(E)$	36	#6	22'-5"	—
$h_2(E)$	26	#8	8'-0"	—
$h_3(E)$	24	#9	14'-6"	—
$h_4(E)$	32	#9	8'-0"	—
$h_5(E)$	18	#8	13'-6"	—
$v(E)$	314	#5	7'-8"	—
$v_1(E)$	162	#5	4'-0"	—
$v_2(E)$	152	#5	4'-6"	—
$v_3(E)$	16	#4	12'-6"	—

Concrete Box Culverts Cu. Yd. 282.1
 Reinforcement Bars, Epoxy Coated Pound 55660



USER NAME =	DESIGNED - TBP	REVISOR -
FILE NAME =	CHECKED - MTH	REVISOR -
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PLOT DATE =	CHECKED - MTH	REVISOR -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

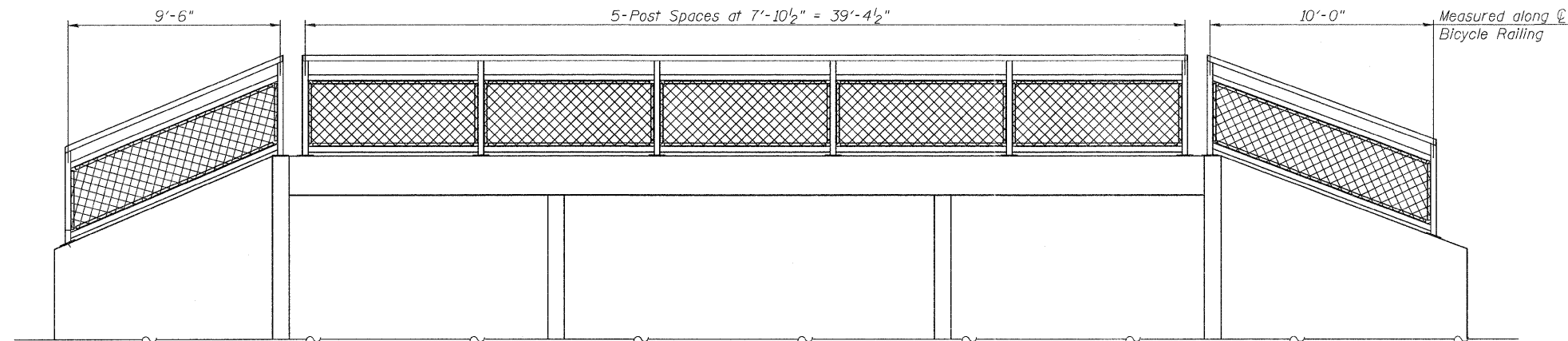
CULVERT DETAILS
STRUCTURE NO. 100-6024

SHEET NO. 2 OF 5 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1X-1R-7)	WILLIAMSON	79	35

CONTRACT NO. 78251

ILLINOIS FED. AID PROJECT

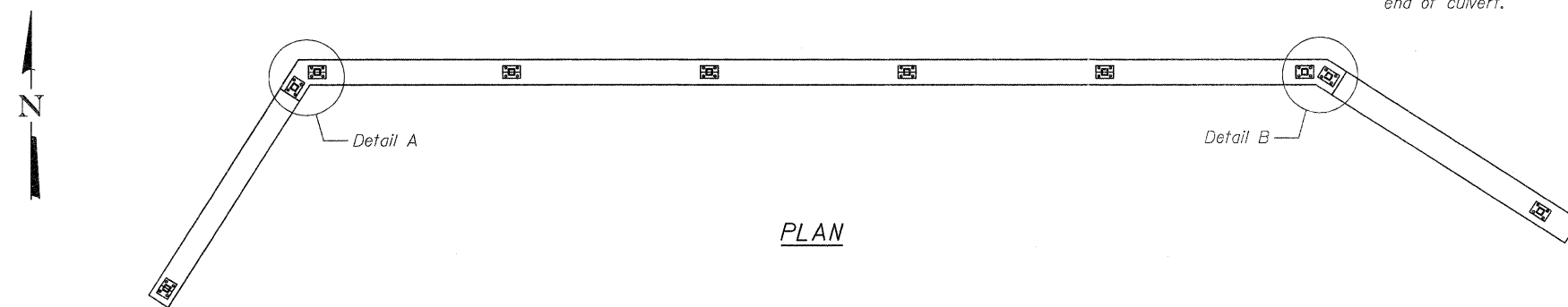


STATION 494+85.00
 BUILT 20 BY
 STATE OF ILLINOIS
 F.A.P. RT. 331 SEC. (IX-1)R-7
 LOADING HS20-44
 STR. NO. 100-6024

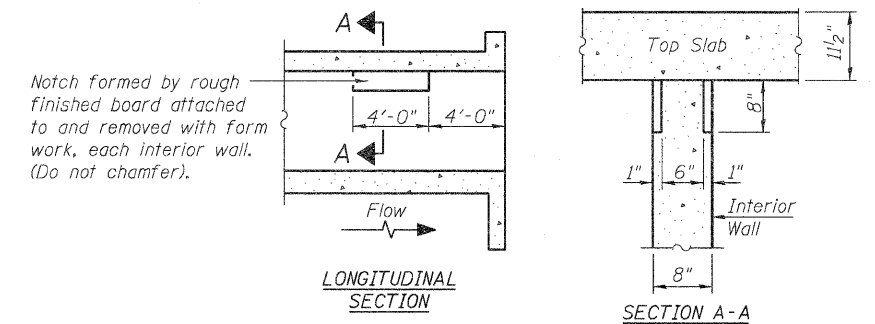
NAME PLATE
 See Std. 515001

ELEVATION

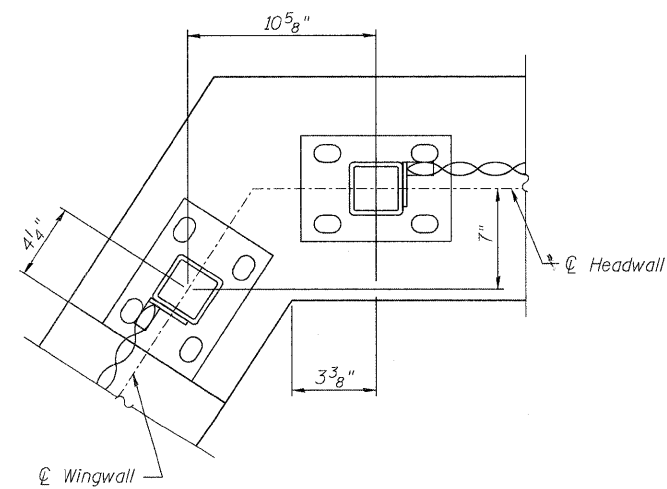
Notes:
 Posts shall be placed along \varnothing Headwall and wingwalls.
 Bicycle Railing is only required at south end of culvert.



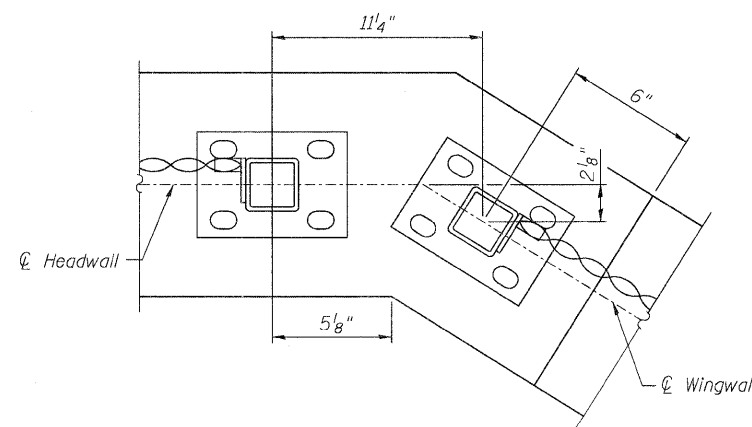
PLAN



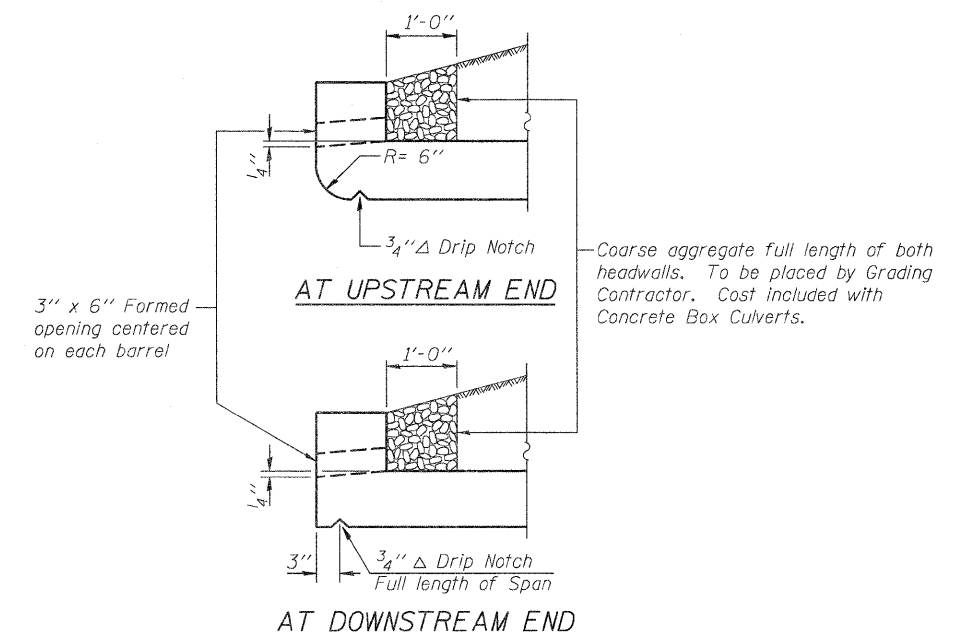
PHOEBE NESTING SITE DETAILS
 (Downstream End Only)



DETAIL A



DETAIL B

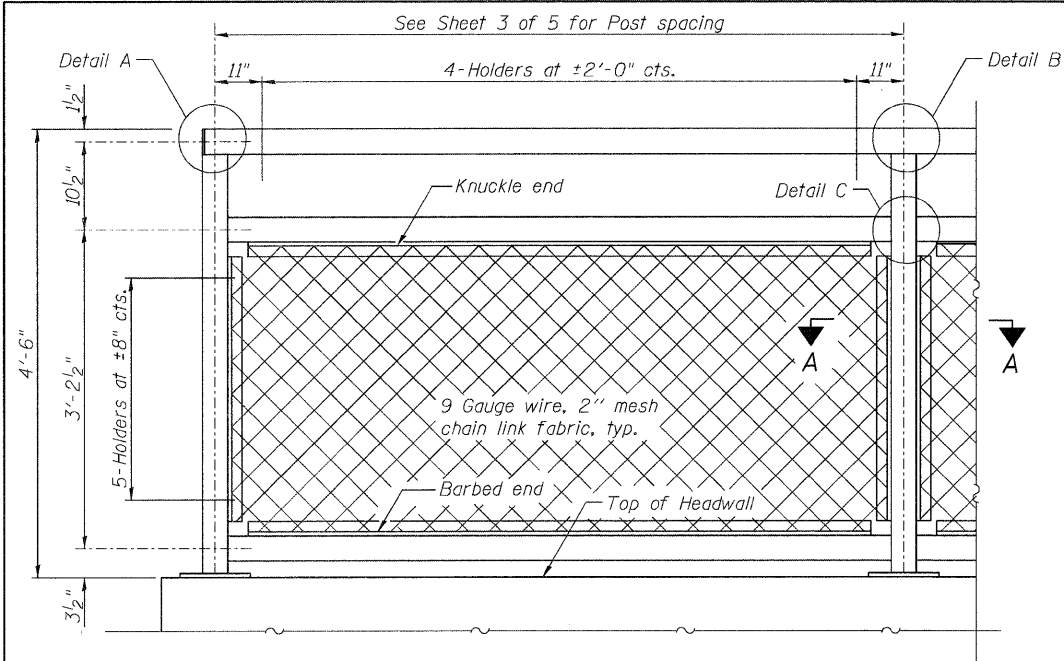


DRAIN DETAIL

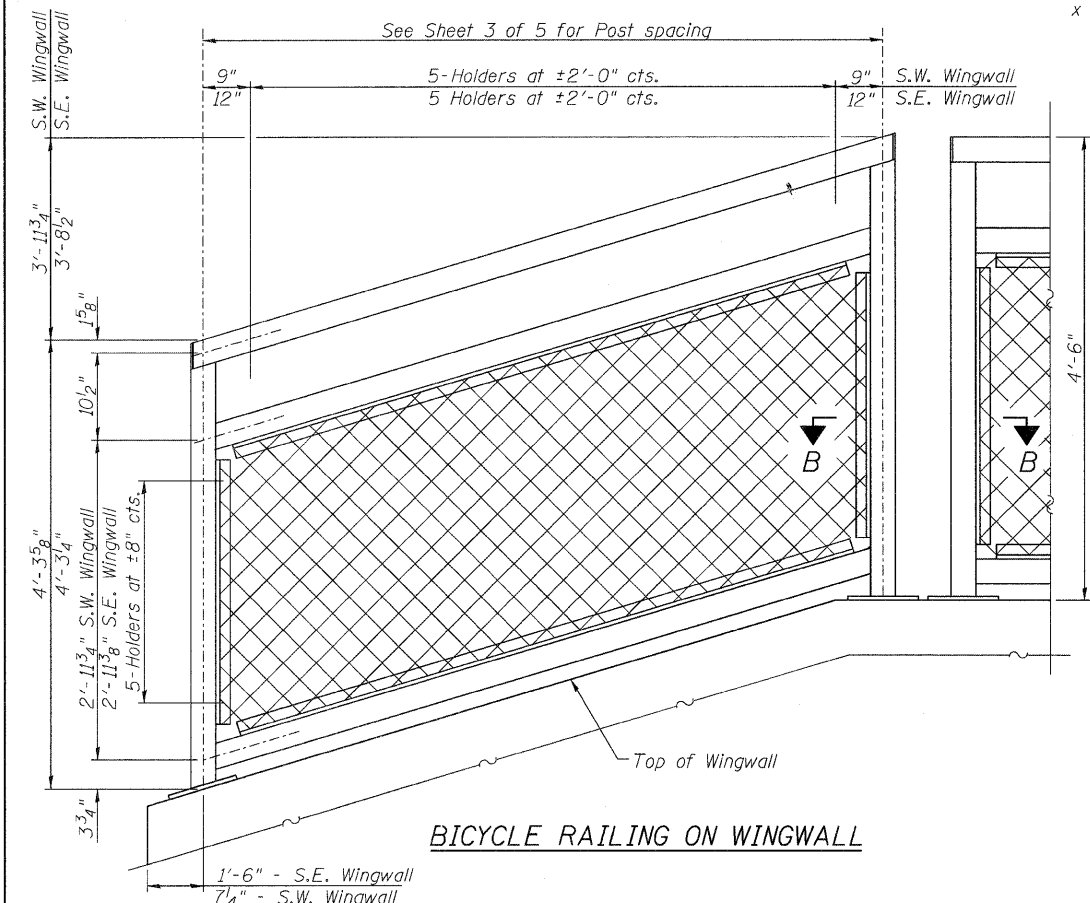
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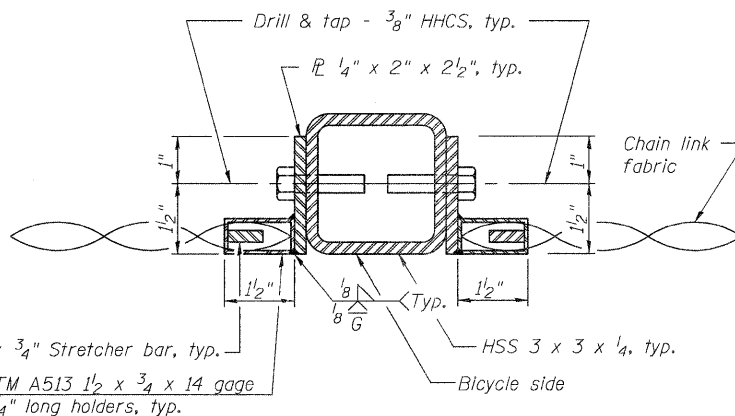
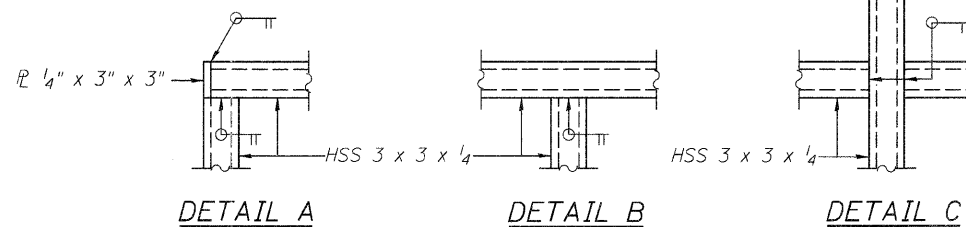
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				CONTRACT NO. 78251
ILLINOIS FED. AID PROJECT				



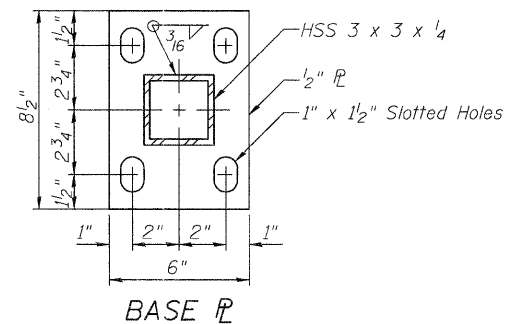
BICYCLE RAILING ON HEADWALL



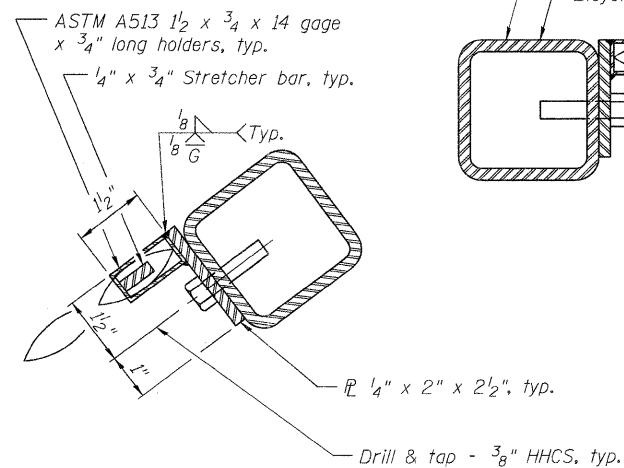
BICYCLE RAILING ON WINGWALL



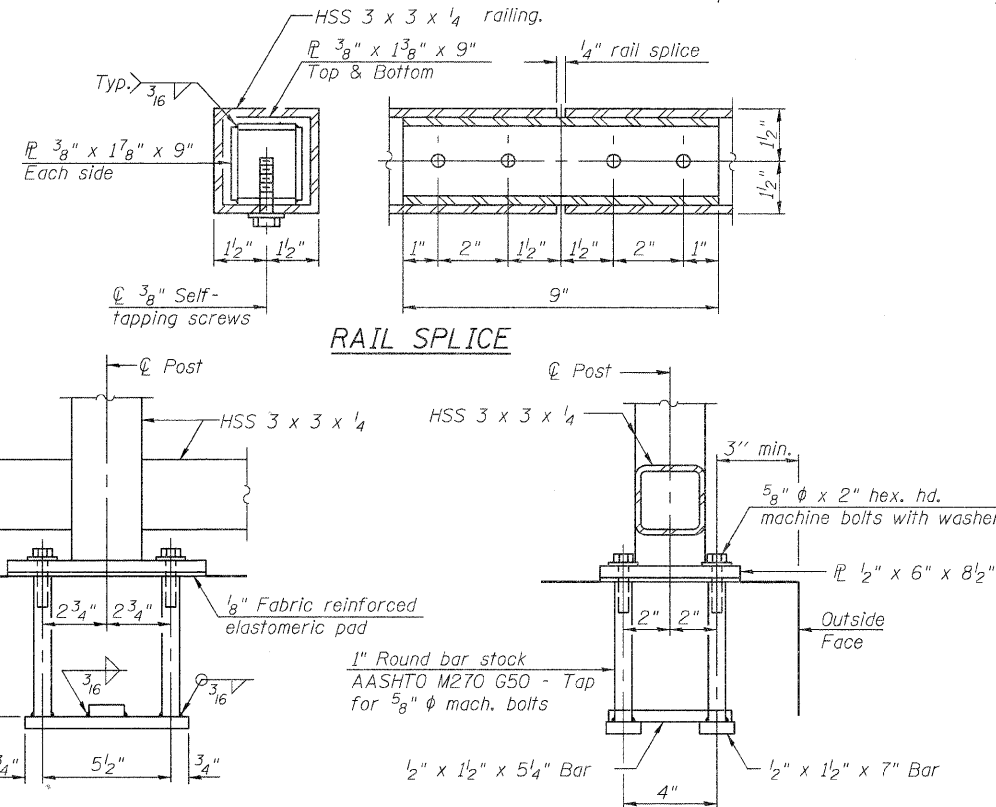
SECTION A-A



BASE PLATE



SECTION B-B

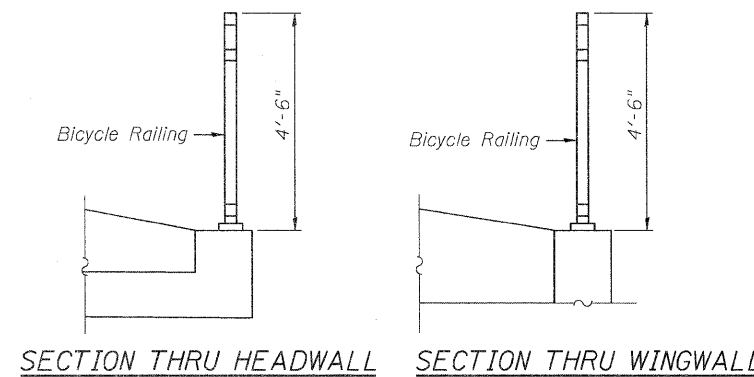


ANCHOR BOLT DETAILS

In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting 5/8" ϕ anchor rods according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.

BILL OF MATERIAL

Item	Unit	Quantity
Bicycle Railing	Foot	61



SECTION THRU HEADWALL

SECTION THRU WINGWALL

Notes:
 All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.
 The 9 gauge fabric ties shall be according to Article 1006.27 (d) of the Standard Specifications.
 Installation of the chain link fabric shall be according to Section 664 of the Standard Specifications.
 Hollow structural sections shall conform to the requirements of ASTM designation A 500, Grade B, structural steel tubing. The chain link fabric shall be placed along Bicycle Side as shown on Section A-A and Section B-B.
 The chain link fabric shall conform to the requirements of Article 1006.27(a)(1)a, b or c of the Standard Specifications. Space reinforcement to miss anchor devices.
 See Sheet 3 of 5 for plan and elevation view of Bicycle railing.



SOIL BORING LOG

ROUTE 331 DESCRIPTION IL Route 13 - Frontage Road LOGGED BY KEG

SECTION LOCATION Marion;

COUNTY Williamson DRILLING METHOD CME 55LC w/HSA HAMMER TYPE Automatic

Table with 4 columns: DEPTH (ft), BLOW (blows/6") (tsf), UNITS (tsf), and MOISTURE (%). Includes data for Surface Water Elev., Stream Bed Elev., Groundwater Elev., and First Encounter.

Main soil log table with columns for depth, blow count, and soil description. Includes layers: SILTY CLAY: Brown (A-6), SAND: Brown, fine to medium, trace to some silt, clay, trace gravel (A-2), SAND: Brown, fine to coarse, trace gravel (A-1), SILTY CLAY: Gray, some sand (A-6), SILT: Gray (A-4), and CLAY: Greenish gray, some sand (A-7).

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)



SOIL BORING LOG

ROUTE 331 DESCRIPTION IL Route 13 - Frontage Road LOGGED BY KEG

SECTION LOCATION Marion;

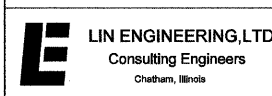
COUNTY Williamson DRILLING METHOD CME 55LC w/HSA HAMMER TYPE Automatic

Table with 4 columns: DEPTH (ft), BLOW (blows/6") (tsf), UNITS (tsf), and MOISTURE (%). Includes data for Surface Water Elev., Stream Bed Elev., Groundwater Elev., and First Encounter.

Main soil log table with columns for depth, blow count, and soil description. Includes layers: CLAY: Greenish gray, some sand (A-7) and SANDY CLAY: Brown and gray (A-7).

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)



Administrative table with columns: USER NAME, FILE NAME, PLOT SCALE, PLOT DATE, DESIGNED, CHECKED, DRAWN, CHECKED, REVISED.

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

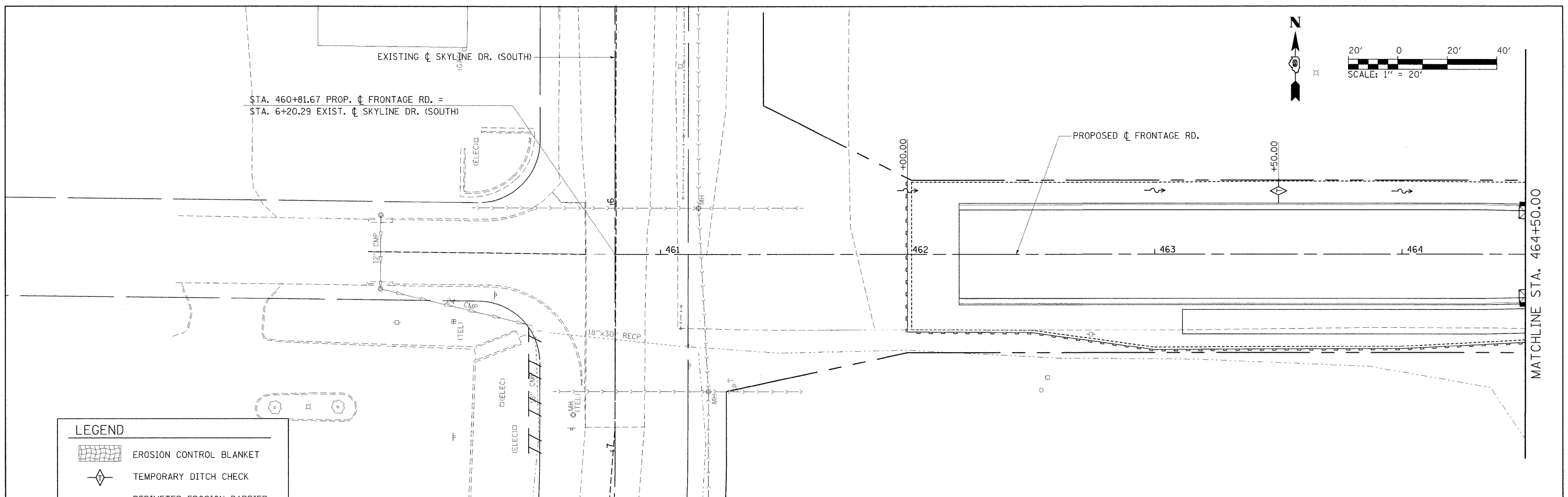
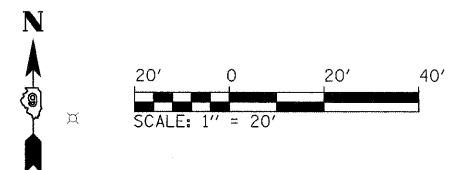
SOIL BORINGS STRUCTURE NO. 100-6024

SHEET NO. 5 OF 5 SHEETS

Summary table with columns: F.A.P. RTE., SECTION, COUNTY, TOTAL SHEETS, SHEET NO., CONTRACT NO.

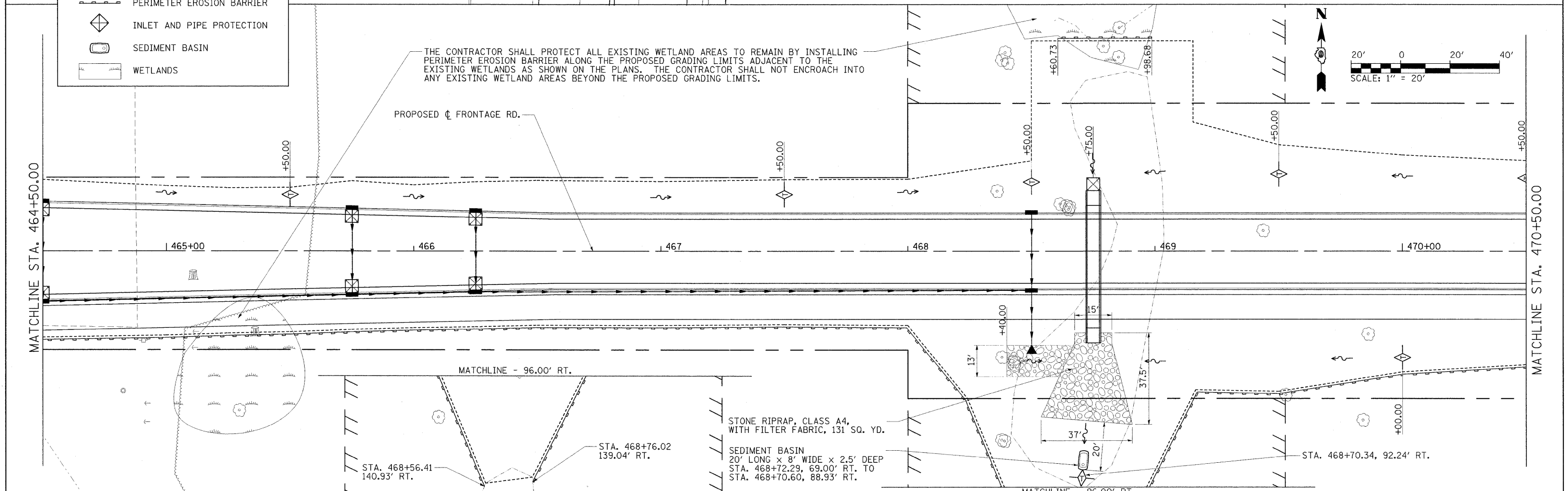
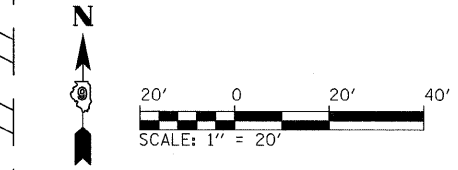
ILLINOIS FED. AID PROJECT

EXISTING ϕ SKYLINE DR. (SOUTH)
 STA. 460+81.67 PROP. ϕ FRONTAGE RD. =
 STA. 6+20.29 EXIST. ϕ SKYLINE DR. (SOUTH)



LEGEND	
	EROSION CONTROL BLANKET
	TEMPORARY DITCH CHECK
	PERIMETER EROSION BARRIER
	INLET AND PIPE PROTECTION
	SEDIMENT BASIN
	WETLANDS

THE CONTRACTOR SHALL PROTECT ALL EXISTING WETLAND AREAS TO REMAIN BY INSTALLING PERIMETER EROSION BARRIER ALONG THE PROPOSED GRADING LIMITS ADJACENT TO THE EXISTING WETLANDS AS SHOWN ON THE PLANS. THE CONTRACTOR SHALL NOT ENCROACH INTO ANY EXISTING WETLAND AREAS BEYOND THE PROPOSED GRADING LIMITS.



STONE RIPRAP, CLASS A4,
 WITH FILTER FABRIC, 131 SQ. YD.
 SEDIMENT BASIN
 20' LONG X 8' WIDE X 2.5' DEEP
 STA. 468+72.29, 69.00' RT. TO
 STA. 468+70.60, 88.93' RT.

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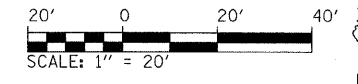
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DRAWN - RAH	REVISED -
CHECKED - SPH	REVISED -
DATE - 3/16/11	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL PLAN FRONTAGE ROAD	
SCALE: 1" = 20'	SHEET NO. OF SHEETS STA. 460+81.67 TO STA. 464+50

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1X-1) R-7	WILLIAMSON	79	39
CONTRACT NO. 78251				
ILLINOIS FED. AID PROJECT				

THE CONTRACTOR SHALL PROTECT ALL EXISTING WETLAND AREAS TO REMAIN BY INSTALLING PERIMETER EROSION BARRIER ALONG THE PROPOSED GRADING LIMITS ADJACENT TO THE EXISTING WETLANDS AS SHOWN ON THE PLANS. THE CONTRACTOR SHALL NOT ENCR OACH INTO ANY EXISTING WETLAND AREAS BEYOND THE PROPOSED GRADING LIMITS.

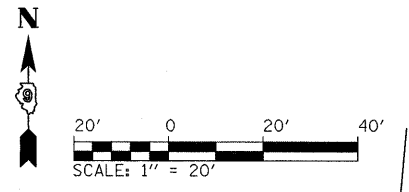


MATCHLINE STA. 470+50.00

MATCHLINE STA. 476+50.00

LEGEND

- EROSION CONTROL BLANKET
- TEMPORARY DITCH CHECK
- PERIMETER EROSION BARRIER
- INLET AND PIPE PROTECTION
- SEDIMENT BASIN
- WETLANDS

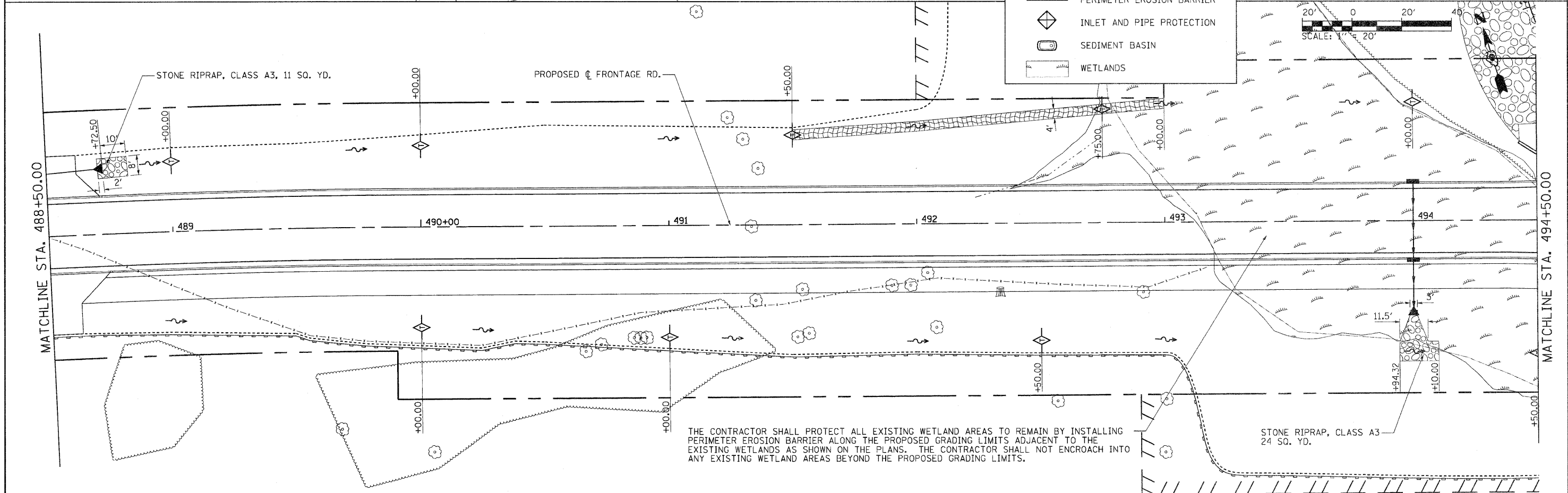
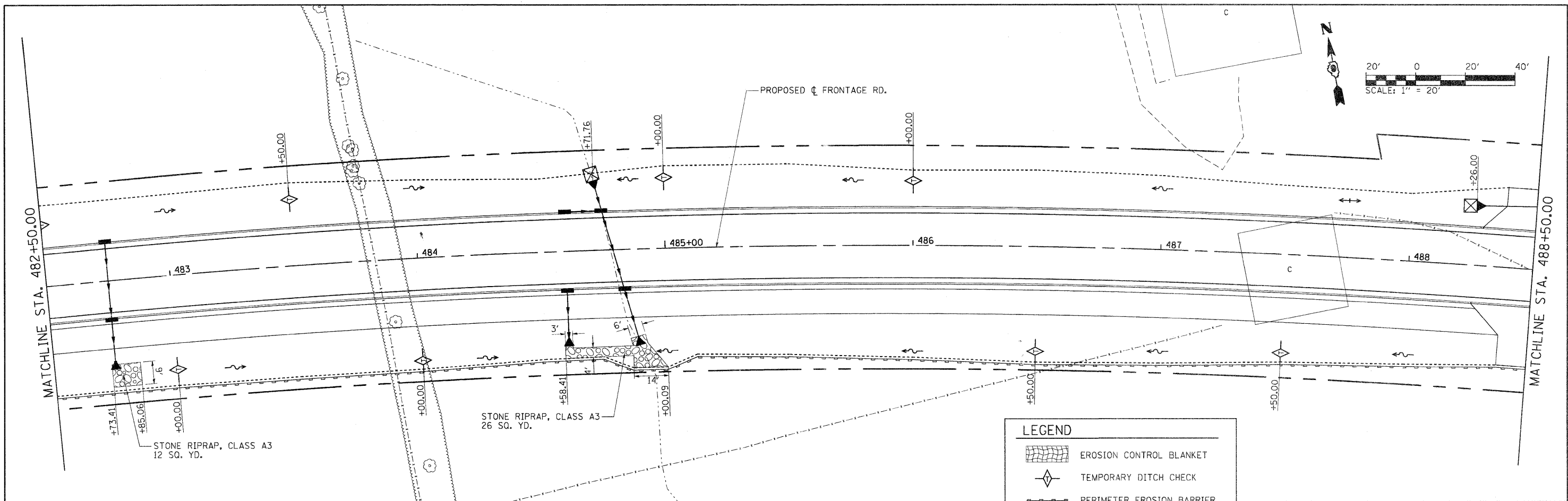


MATCHLINE STA. 476+50.00

MATCHLINE STA. 482+50.00

STA. 477+43.24 PROP. ϕ FRONTAGE RD. =
 STA. 4+08.45 PROP. ϕ MARATHON DR.

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PLOT SCALE = 20.0000' / IN.	DRAWN - RAH	REVISED -	REVISED -		SCALE: 1" = 20'			SHEET NO. OF SHEETS STA. 470+50 TO STA. 482+50				
PLOT DATE = 3/17/2011	CHECKED - SPH	REVISED -	REVISED -		CONTRACT NO. 78251							
	DATE - 3/16/11	REVISED -	REVISED -		ILLINOIS FED. AID PROJECT							

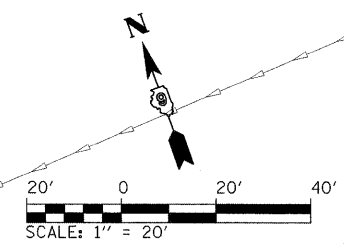
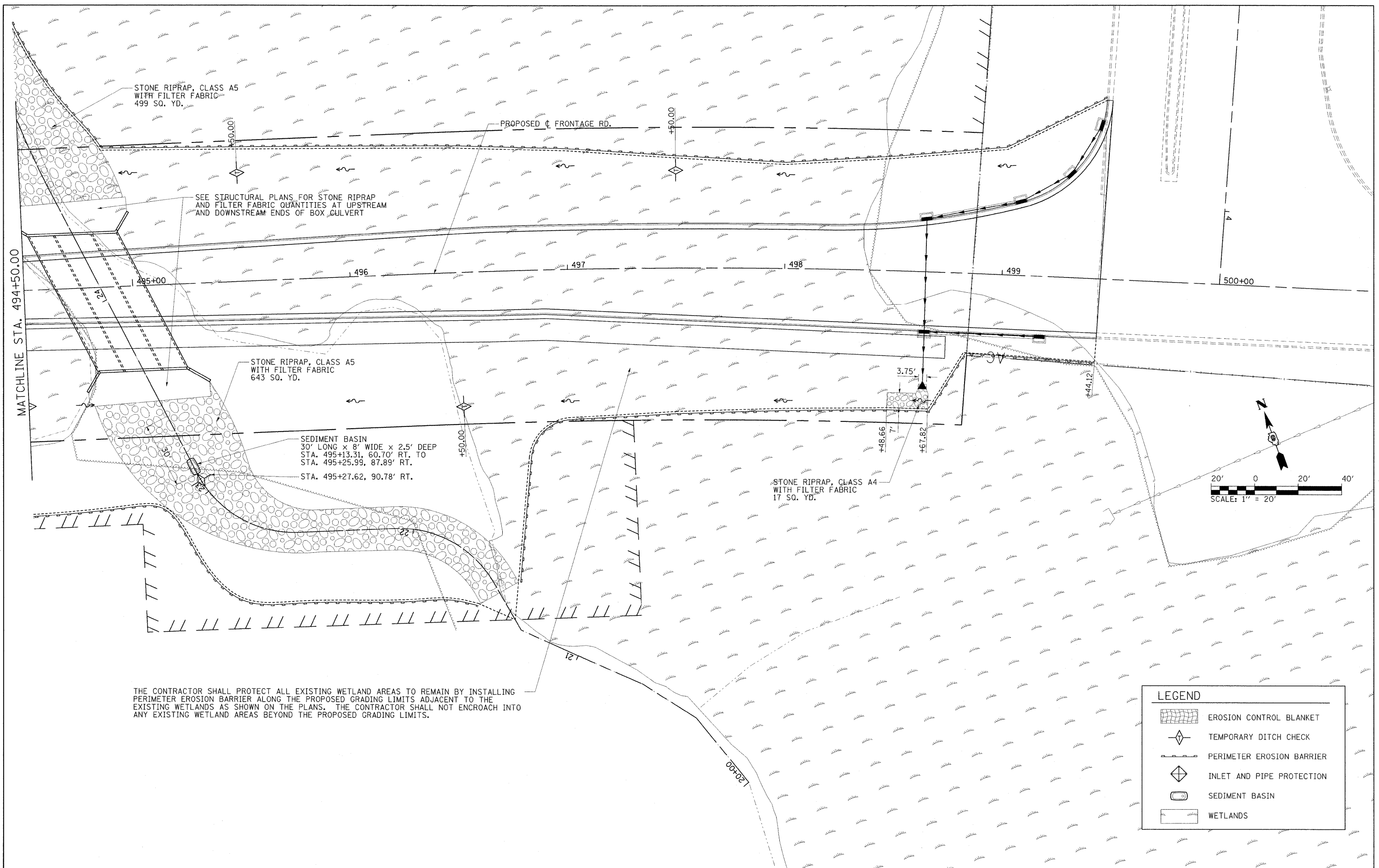


LEGEND

- EROSION CONTROL BLANKET
- TEMPORARY DITCH CHECK
- PERIMETER EROSION BARRIER
- INLET AND PIPE PROTECTION
- SEDIMENT BASIN
- WETLANDS

THE CONTRACTOR SHALL PROTECT ALL EXISTING WETLAND AREAS TO REMAIN BY INSTALLING PERIMETER EROSION BARRIER ALONG THE PROPOSED GRADING LIMITS ADJACENT TO THE EXISTING WETLANDS AS SHOWN ON THE PLANS. THE CONTRACTOR SHALL NOT ENCRANCH INTO ANY EXISTING WETLAND AREAS BEYOND THE PROPOSED GRADING LIMITS.

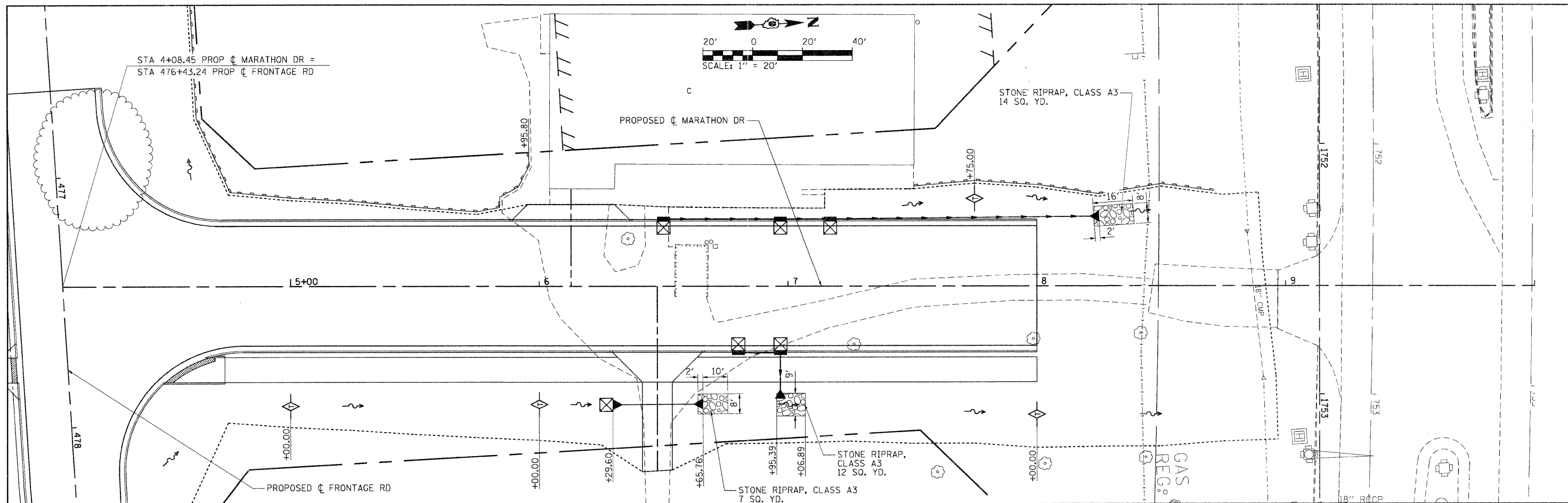
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	PLOT SCALE = 48,0000' / IN.	CHECKED - SPH	REVISED -		SCALE: 1" = 20'	SHEET NO. OF SHEETS	STA. 482+50 TO STA. 494+50	CONTRACT NO. 78251		ILLINOIS FED. AID PROJECT		
PLOT DATE = 7/1/2011	DATE = 3/16/11	REVISED -	REVISED -									



THE CONTRACTOR SHALL PROTECT ALL EXISTING WETLAND AREAS TO REMAIN BY INSTALLING PERIMETER EROSION BARRIER ALONG THE PROPOSED GRADING LIMITS ADJACENT TO THE EXISTING WETLANDS AS SHOWN ON THE PLANS. THE CONTRACTOR SHALL NOT ENCROACH INTO ANY EXISTING WETLAND AREAS BEYOND THE PROPOSED GRADING LIMITS.

LEGEND	
	EROSION CONTROL BLANKET
	TEMPORARY DITCH CHECK
	PERIMETER EROSION BARRIER
	INLET AND PIPE PROTECTION
	SEDIMENT BASIN
	WETLANDS

FILE NAME =	USER NAME = Brian Bond	DESIGNED - BMB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION CONTROL PLAN FRONTAGE ROAD	F.A. RTE. 331	SECTION (IX-1) R-7	COUNTY WILLIAMSON	TOTAL SHEETS 79	SHEET NO. 42	
I:\DOT\0906603\Draw\CADD_Sheets\Frontage Road Contract\0906603-sht-eros006.dgn		DRAWN - RAH	REVISED -			SCALE: 1" = 20'	SHEET NO. OF SHEETS	STA. 494+50	TO STA. 500+50	CONTRACT NO. 78251	
PLOT SCALE = 20.0000' / IN.		CHECKED - SPH	REVISED -			ILLINOIS FED. AID PROJECT					
PLOT DATE = 3/17/2011		DATE - 3/16/11	REVISED -								



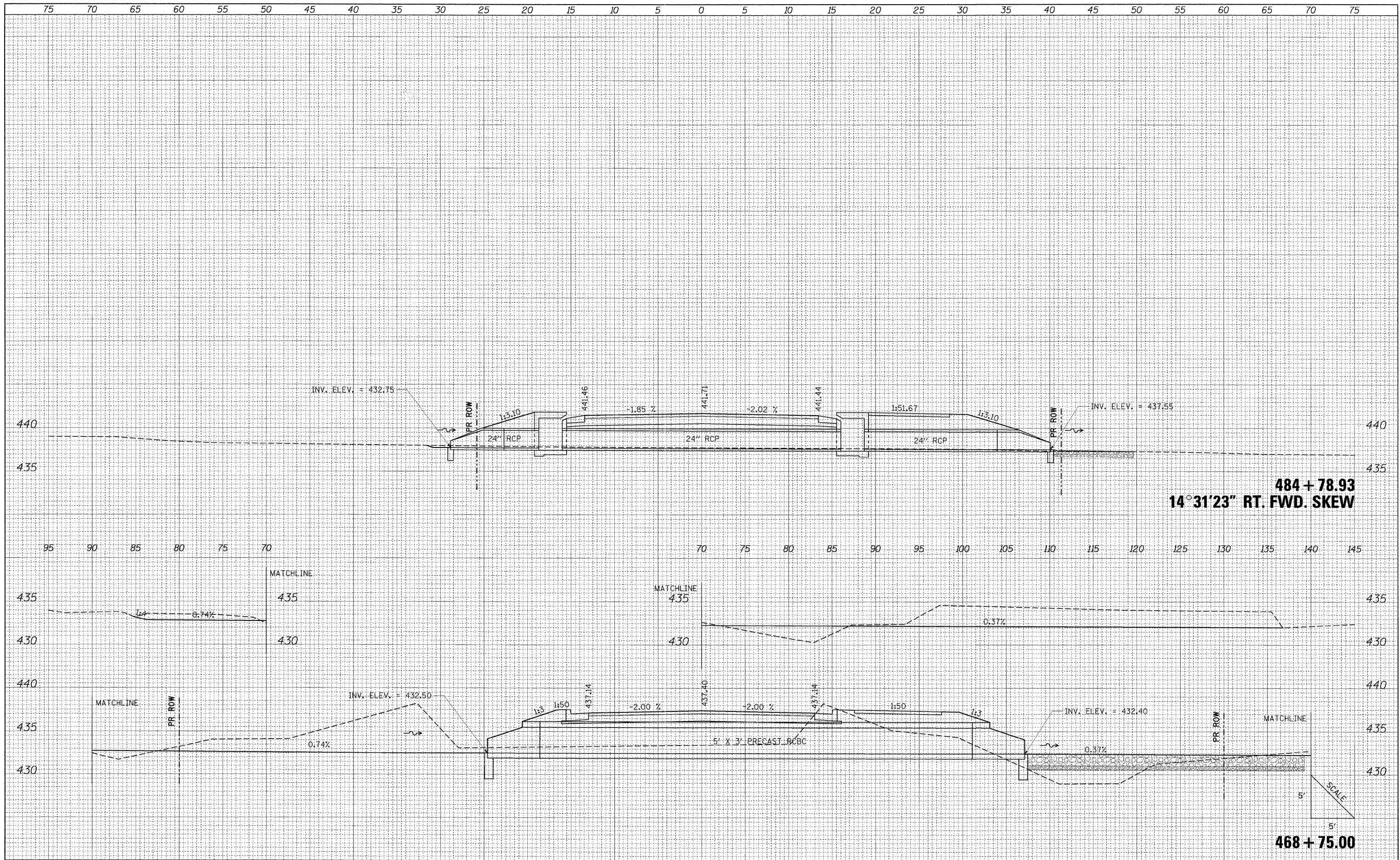
LEGEND

	EROSION CONTROL BLANKET
	TEMPORARY DITCH CHECK
	PERIMETER EROSION BARRIER
	INLET AND PIPE PROTECTION
	SEDIMENT BASIN

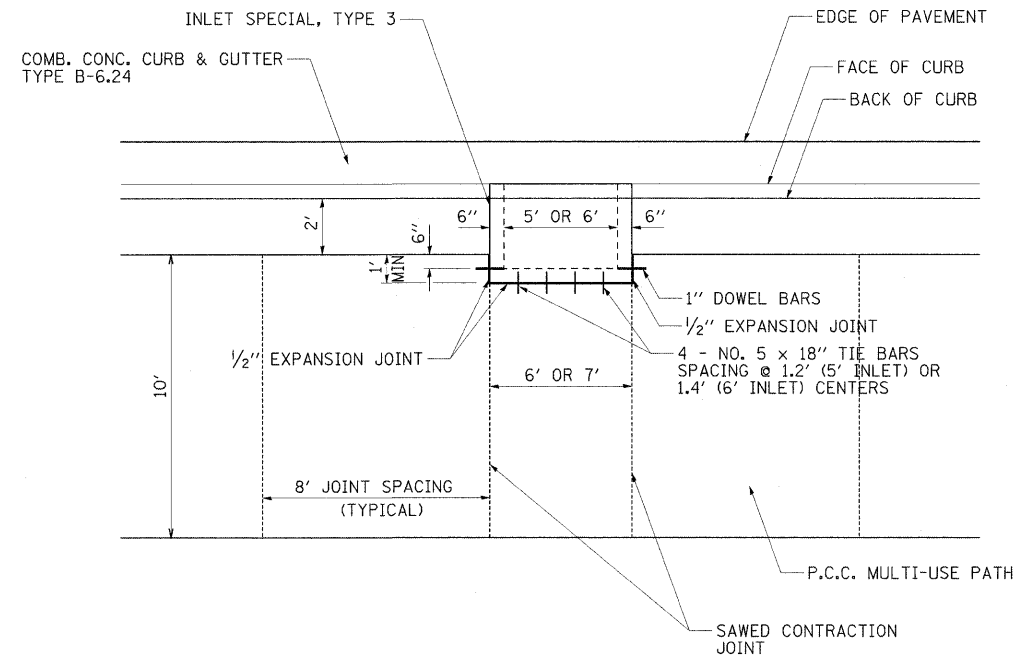
FILE NAME =	USER NAME = Brian Bond	DESIGNED - BMB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION CONTROL PLAN MARATHON DRIVE	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I:\DOT\09066803\Draw\CADD_Sheets\Frontage Road Contract\0998889\shtreros00.dgn		DRAWN - RAH	REVISED -			331	(IX-1) R-7	WILLIAMSON	79	43
PLOT SCALE = 40.0000' / IN.		CHECKED - SPH	REVISED -			CONTRACT NO. 78251				
PLOT DATE = 7/1/2011		DATE - 3/16/11	REVISED -			ILLINOIS FED. AID PROJECT				
						SCALE: 1" = 20'	SHEET NO. OF SHEETS	STA. 4+09.13 TO STA. 15+90.62		

DATE	
BY	
FINAL SURVEY	
SURVEYED	
NOTED	
NO.	
TEMP.	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
NOTED	
NO.	
TEMP.	
AREAS CHECKED	



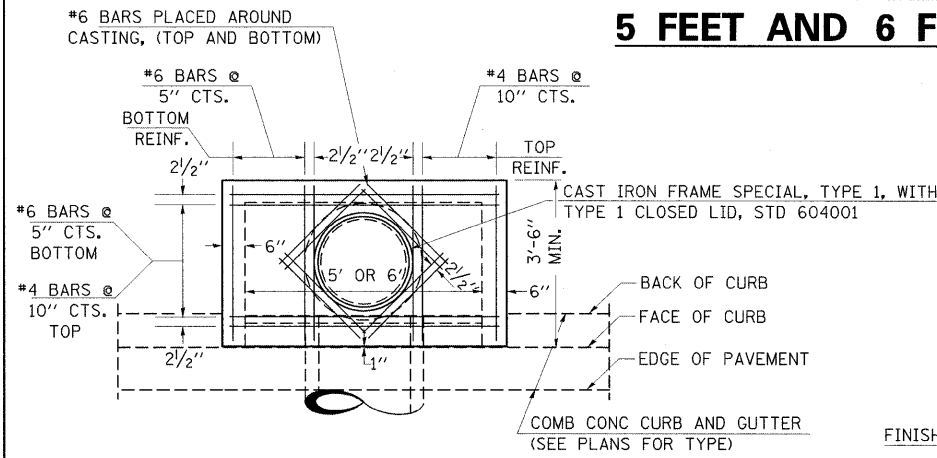
FILE NAME =	USER NAME = Brian Bond	DESIGNED - BMB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CULVERT PROFILES FRONTAGE ROAD		F.A. RTE. 331	SECTION (1X-1) R-7	COUNTY WILLIAMSON	TOTAL SHEETS 79	SHEET NO. 44	
1:\DOT\0906603\Draw\CADD_Sheets\Frontage Road	Contract\0906603-sht-xs\Culvert-Details.dgn	DRAWN - RAH	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA. 468+75.00 TO STA. 484+78.93	CONTRACT NO. 78251 ILLINOIS FED. AID PROJECT				
PLOT SCALE = 5.0000" / IN.		CHECKED - SPH	REVISED -									
PLOT DATE = 3/16/2011		DATE - 3/16/11	REVISED -									



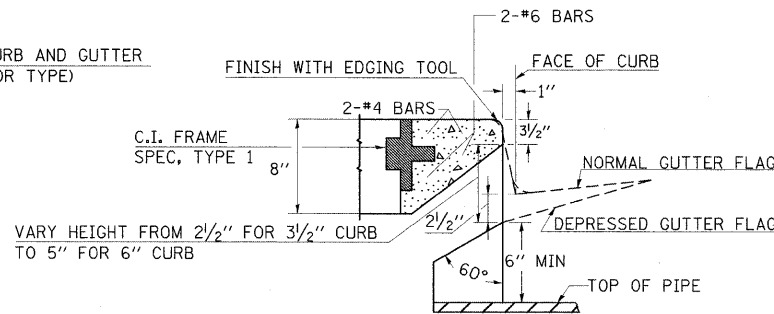
INLET SPECIAL, TYPE 3 MULTI-USE PATH BLOCK OUT

FILE NAME =	USER NAME = Gary Davis	DESIGNED - BMB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MISCELLANEOUS DETAILS ILLINOIS ROUTE 13			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1:\dot\0906603\draw\CADD_Sheets\Frontage Road Contract\0906603\dot\misc\misc.dwg	DRAWN - RAH	REVISED -	331					(1X-1) R-7	WILLIAMSON	79	45	
PLOT SCALE = 50.0000 / IN.	CHECKED - SPH	REVISED -	CONTRACT NO. 78251									
PLOT DATE = 3/16/2011	DATE - 3/16/11	REVISED -	ILLINOIS FED. AID PROJECT									
				SCALE: N/A	SHEET NO.	OF	SHEETS	STA.	TO STA.			

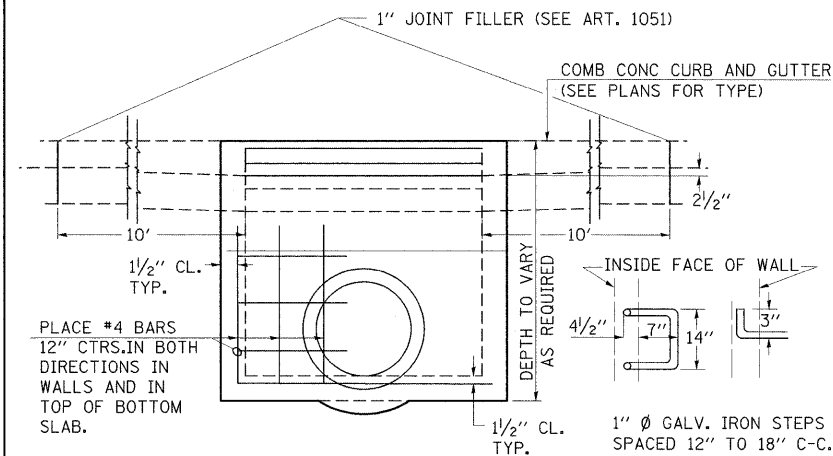
DETAILS OF INLET SPECIAL, TYPE 3, 5 FEET AND 6 FEET



PLAN



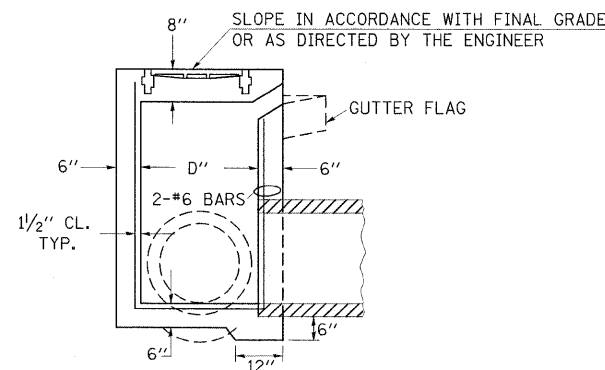
SECTION AT WEIR



ELEVATION

DESIGN	PIPE DIA	"D"
A	18" & LESS	2'-6"
B	21" & 24"	3'-0"
C	27" & 30"	3'-7"
D	33" & 36"	4'-2"
E	42"	4'-9"
F	48"	5'-0"
G	54"	6'-1"

1" Ø GALV. IRON STEPS **
SPACED 12" TO 18" C-C.
USE WHEN INLET IS OVER
4' DEEP.



SECTION

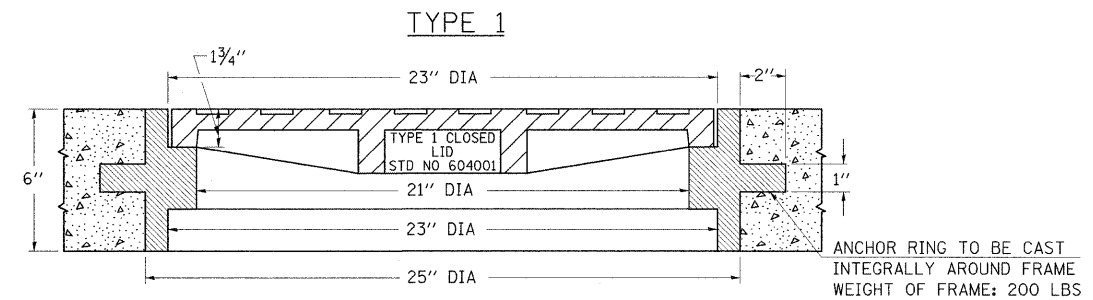
NOTE TO DESIGNER:

WHEN USING THIS STANDARD THE DESIGNER SHOULD ALSO CHECK
BDE SPECIAL PROVISION 419 "PRECAST CONCRETE PRODUCTS".

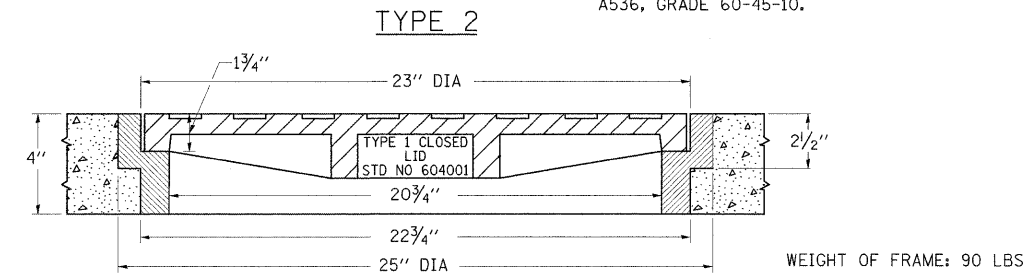
STD. 9-1

REVISIONS
REDRAWN 2-15-89
REVISED 8-15-94
REVISED 1-19-99
REVISED 5-6-04
RESIZED 5-6-08

DETAILS OF CAST IRON FRAMES SPECIAL TYPE 1 & TYPE 2 WITH TYPE 1 CLOSED LID



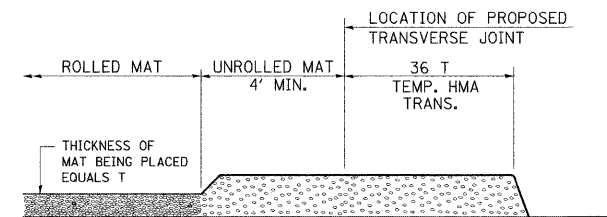
THE FRAMES MAY BE MADE OF EITHER GRAY IRON CONFORMING TO THE STANDARD SPECIFICATIONS OR DUCTILE IRON CONFORMING TO THE SPECIFICATIONS FOR DUCTILE IRON CASTING, A.S.T.M. DESIGNATION: A536, GRADE 60-45-10.



REVISIONS
REDRAWN 2-15-89
REVISED 12-14-01
REVISED 3-26-08

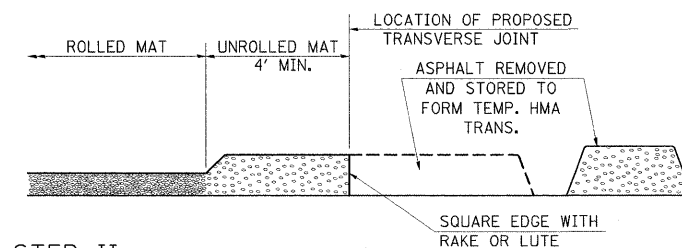
STD. 9-18

TEMPORARY HOT-MIX ASPHALT TRANSITIONS



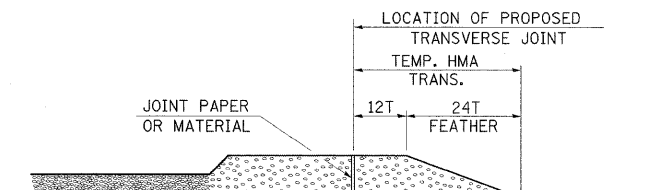
STEP I

- PLACE HOT-MIX ASPHALT MAT, LENGTH 36 TIMES THE THICKNESS OF THE MAT BEING PLACED PAST THE PROPOSED TRANSVERSE JOINT LOCATION USING NORMAL OPERATING PROCEDURES.
- EXTREME CARE SHOULD BE TAKEN TO MAINTAIN ENOUGH MATERIAL IN FRONT OF THE SCREED TO MAINTAIN REQUIRED PAVING DEPTH.



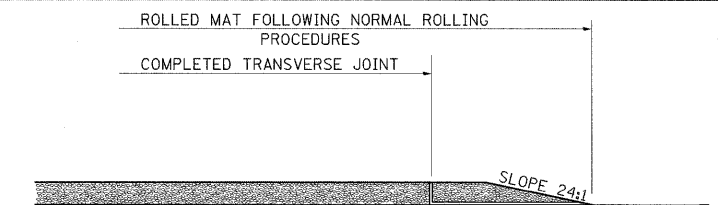
STEP II

- MOVE THE PAVER OUT OF THE WAY AND REMOVE THE ASPHALT FROM THE AREA OF THE PROPOSED TEMPORARY HOT-MIX ASPHALT TRANSITION.
- SQUARE UP THE END OF THE MAT WITH A RAKE OR LUTE.
- NOTE THAT THE MAT WITHIN 4' OF THE END OF JOINT IS NOT TO BE ROLLED AT THIS TIME.



STEP III

- JOINT PAPER OR OTHER PRESELECTED JOINT MATERIAL IS THEN PLACED IN THE CLEARED AREA AND THE EXCESS ASPHALT USED TO HAND FORM A TRANSITION TO THE DIMENSIONS SHOWN ABOVE.
- NOTE THAT IN CONSTRUCTING THE TRANSITION, THE MAT DEPTH IS CONTINUED AS PART OF THE TRANSITION BEFORE FORMING THE FEATHER.



STEP IV

- COMPLETE TEMPORARY TRANSITION BY ROLLING.
- TO RESUME PAVING, AT THE JOINT, REMOVE TEMPORARY TRANSITION AND DISPOSE OF THE MATERIAL ACCORDING TO ART. 202.03 OF THE STD. SPECS. (COST INCLUDED IN THE CONTRACT).
- CONSTRUCTING THE TEMPORARY TRANSITIONS WILL NOT BE PAID FOR SEPARATELY IN ACCORDANCE WITH ARTICLE 406.14 OF THE STANDARD SPECIFICATIONS.

REVISIONS
REDRAWN 2-15-89
REVISED 8-16-94
REVISED 01-09-07

STD. 9-26

FILE NAME =	USER NAME = Gary Davis	DESIGNED - BMB	REVISED -
I:\DOT\0906603\Draw\CADD_Sheets\Frontage Road Contract\0906603\shd-details.dgn		DRAWN - RAH	REVISED -
PLOT SCALE = 50.0000 "/>		CHECKED - SPH	REVISED -
PLOT DATE = 3/16/2011		DATE - 3/16/11	REVISED -

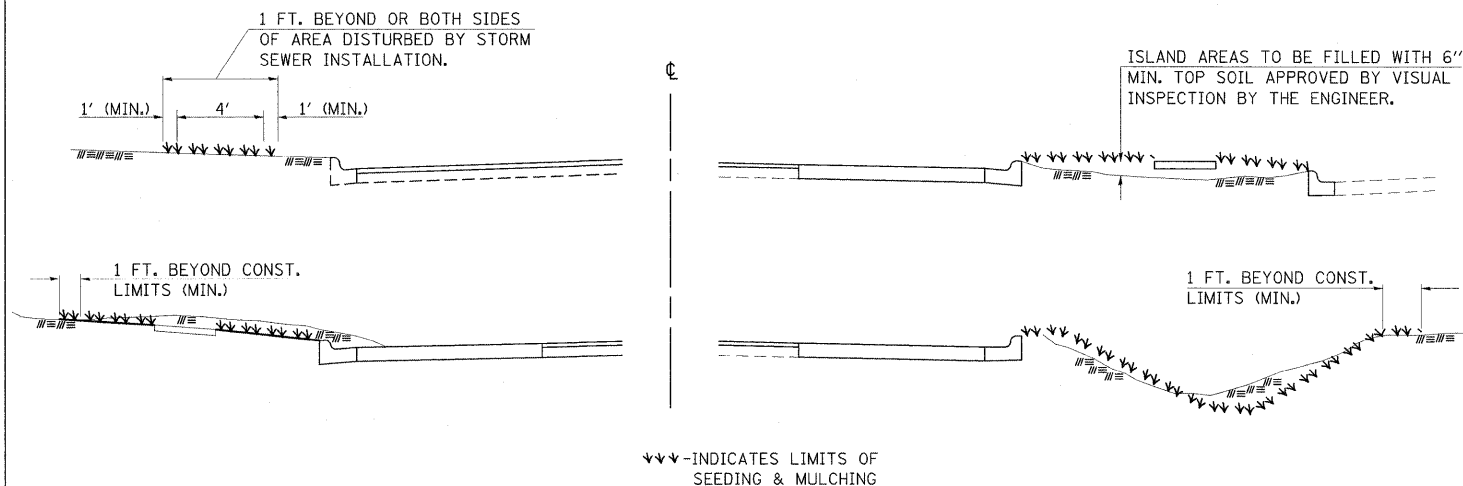
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROJECT DETAILS
ILLINOIS ROUTE 13**

SCALE: N/A SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1X-1) R-7	WILLIAMSON	79	46
			CONTRACT NO. 78251	
ILLINOIS FED. AID PROJECT				

SEEDING & MULCHING



GENERAL NOTES

IN GENERAL, ALL EARTH SURFACES DISTURBED DURING CONSTRUCTION OPERATIONS SHALL BE SEEDED AND MULCHED UPON COMPLETION OF ALL GRADING OPERATIONS.

FERTILIZER NUTRIENTS AND LIMESTONE SHALL BE APPLIED TO ALL SEEDED AREAS.

THE RATES OF APPLICATION OF FERTILIZER, MULCH AND LIMESTONE SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS.

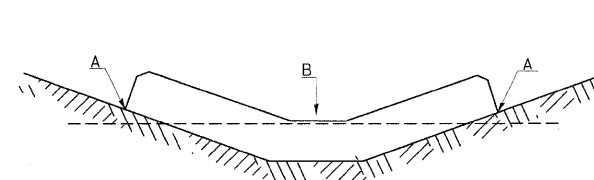
SECTIONS 250 AND 251 OF THE STANDARD SPECIFICATIONS SHALL GOVERN THIS WORK EXCEPT AS SPECIFIED HEREIN OR AS NOTED IN THE SPECIAL PROVISIONS.

REVISIONS	
DRAWN	6-15-89
REVISED	8-16-94
REVISED	3-27-08
REVISED	

STD. 9-52

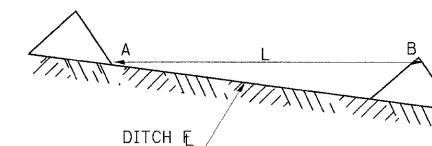
TEMPORARY DITCH CHECKS

PLACEMENT OF TEMPORARY DITCH CHECK IN DRAINAGE WAY



POINTS A SHOULD BE HIGHER THAN POINT B

SPACING BETWEEN TEMPORARY DITCH CHECKS



L = THE DISTANCE SUCH THAT POINTS A AND B ARE OF EQUAL ELEVATION

B = THE LOW POINT IN CENTER OF CHECK

REVISIONS	
DRAWN	9-01-99
REVISED	10-3-01
REVISED	5-8-08
REVISED	05-04-10

STD. 9-108

FILE NAME = I:\IDOT\0906603\Draw\CA00.Sheets\Frontage Road Contract\099859-sht-details.dgn	USER NAME = Gary Davis PLOT SCALE = 50.0000' / IN. PLOT DATE = 3/16/2011	DESIGNED - BMB DRAWN - RAH CHECKED - SPH DATE - 3/16/11	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROJECT DETAILS ILLINOIS ROUTE 13	F.A. RTE. 331 SECTION (IX-1) R-7	COUNTY WILLIAMSON CONTRACT NO. 78251	TOTAL SHEETS 79 SHEET NO. 47	ILLINOIS FED. AID PROJECT
				SCALE: N/A	SHEET NO. OF SHEETS	STA. TO STA.			

DETAIL OF PRECAST CONCRETE BOX CULVERT SECTION

(WITH LESS THAN 2 FEET OF COVER
AASHTO DESIGNATION M273)
DESIGN LOADING: HS-20-44

GENERAL NOTES

SHOP PLANS FOR THE REINFORCEMENT SHALL BE SUBMITTED IN ACCORDANCE WITH THE REQUIREMENTS OF ARTICLE 504.04 OF THE STANDARD SPECIFICATIONS.

MINIMUM CONCRETE STRENGTH SHALL BE 5000 PSI AFTER 28 DAYS.

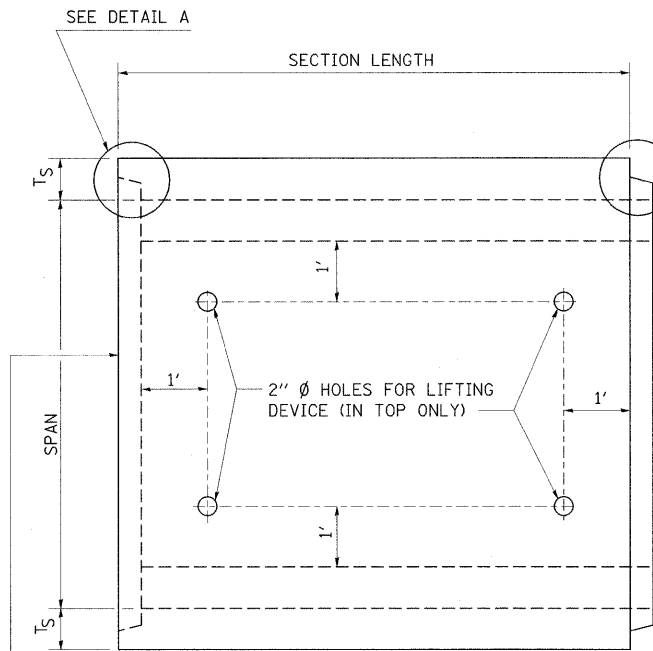
THE JOINTS OF THE PRECAST BOX SECTIONS SHALL BE SEALED WITH MASTIC IN ACCORDANCE WITH ARTICLE 1055.01 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

LIFTING HOLES SHALL BE FILLED WITH CONCRETE PLUGS AND MASTIC AFTER THE BOX SECTIONS ARE IN PLACE.

THE TERMS AS1, AS2, ETC. DENOTE THE REQUIRED STEEL AREAS FOR REINFORCEMENT AS SPECIFIED IN AASHTO M273.

REINFORCEMENT SHALL BE WELDED WIRE FABRIC CONFORMING TO ASTM SPECIFICATIONS A 185 OR A 497. LONGITUDINAL DISTRIBUTION REINFORCEMENT MAY CONSIST OF WELDED WIRE FABRIC OR DEFORMED BILLET-STEEL BARS CONFORMING TO AASHTO M-31, M-42, GRADE 60.

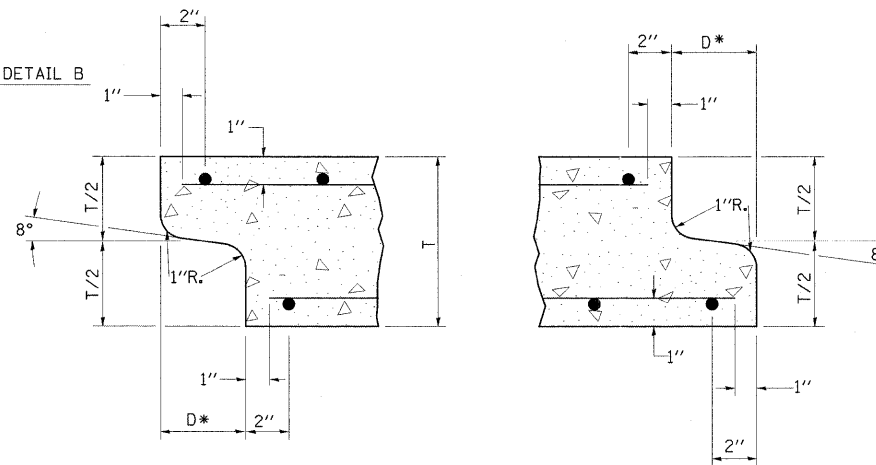
DRAINAGE OPENINGS SHALL BE PROVIDED IN ACCORDANCE WITH ARTICLE 503.11 OF THE STANDARD SPECIFICATIONS. LOCATION AND SPACING OF THE OPENINGS SHALL BE SHOWN ON THE SHOP DRAWINGS.



WHEN EXTENDING AN EXISTING BOX, PLACE THIS END AGAINST THE EXISTING HEADWALL

PLAN

LOCATION OF LIFTING HOLES MAY BE VARIED AS NEEDED TO CLEAR REINFORCEMENT.



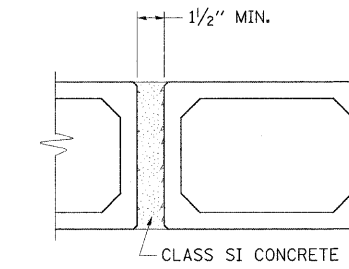
DETAIL A

(TYP. INLET END)

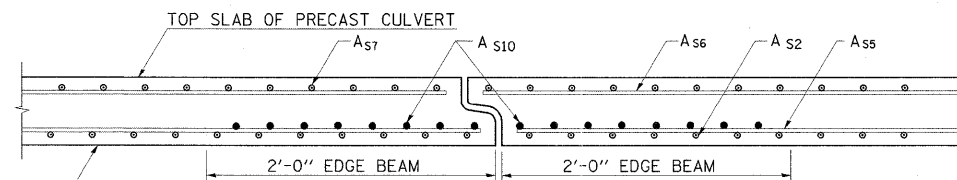
DETAIL B

(TYP. OUTLET END)

NOTE: INLET AND OUTLET ENDS SHALL BE COMPATIBLE.
* THE D DIMENSION SHALL CONFORM TO THE MANUFACTURER'S STANDARDS.



MULTIPLE UNIT PLACEMENT



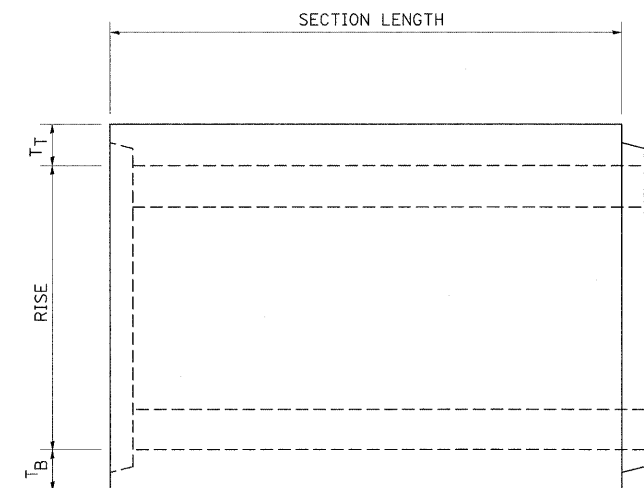
DETAIL OF EDGE BEAM

NOTE: THE AS10 REINFORCEMENT SHALL BE THE SAME LENGTH AS THE AS2.

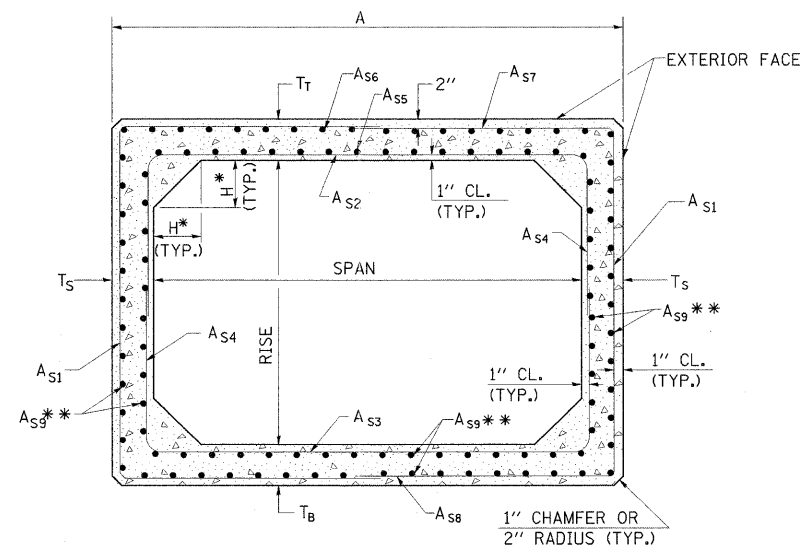
DIMENSIONS & EDGE BEAM REINFORCEMENT

SPAN X RISE	DIMENSIONS (INCHES)			EDGE BEAM REINF. AREA (IN. ² /FT.)
	T _T	T _B	T _S	A _{S10}
3' X 2'	7	6	4	0.42
3' X 3'	7	6	4	0.42
4' X 2'	7 1/2	6	5	0.59
4' X 3'	7 1/2	6	5	0.59
4' X 4'	7 1/2	6	5	0.59
5' X 3'	8	7	6	0.59
5' X 4'	8	7	6	0.59
5' X 5'	8	7	6	0.59
6' X 3'	8	7	7	0.73
6' X 4'	8	7	7	0.73
6' X 5'	8	7	7	0.73
6' X 6'	8	7	7	0.73
7' X 4'	8	8	8	0.85
7' X 5'	8	8	8	0.85
7' X 6'	8	8	8	0.85
7' X 7'	8	8	8	0.85
8' X 4'	8	8	8	1.00
8' X 5'	8	8	8	1.00
8' X 6'	8	8	8	1.00
8' X 7'	8	8	8	1.00
8' X 8'	8	8	8	1.00

SPAN X RISE	DIMENSIONS (INCHES)			EDGE BEAM REINF. AREA (IN. ² /FT.)
	T _T	T _B	T _S	A _{S10}
9' X 5'	9	9	9	1.00
9' X 6'	9	9	9	1.00
9' X 7'	9	9	9	1.00
9' X 8'	9	9	9	1.00
9' X 9'	9	9	9	1.00
10' X 5'	10	10	10	0.89
10' X 6'	10	10	10	0.89
10' X 7'	10	10	10	0.89
10' X 8'	10	10	10	0.89
10' X 9'	10	10	10	0.89
10' X 10'	10	10	10	0.89
11' X 4'	11	11	11	0.89
11' X 6'	11	11	11	0.89
11' X 8'	11	11	11	0.89
11' X 10'	11	11	11	0.89
11' X 11'	11	11	11	0.89
12' X 4'	12	12	12	0.89
12' X 6'	12	12	12	0.89
12' X 8'	12	12	12	0.89
12' X 10'	12	12	12	0.89
12' X 12'	12	12	12	0.89



ELEVATION



CROSS SECTION

* THE HAUNCH DIMENSION, H, IS EQUAL TO THE WALL THICKNESS, T_S.
** THE AREA OF AS9 REINFORCEMENT SHALL BE A MINIMUM OF 0.12 SQ. IN./FT.

REVISIONS			
DRAWN	9-8-89	REVISED	12-17-01
REVISED	3-27-90	REVISED	01-10-07
REVISED	3-11-92	RESIZED	5-7-08
REVISED	8-16-94		

STD. 9-49

FILE NAME =	USER NAME = Gary Davis	DESIGNED - BMB	REVISED -
I:\DOT\0906603\Draw\CADD_Sheets\Frontage Road Contract\0998859-shr-details.dgn		DRAWN - RAH	REVISED -
	PLOT SCALE = 50.0000' / IN.	CHECKED - SPH	REVISED -
	PLOT DATE = 3/16/2011	DATE - 3/16/11	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

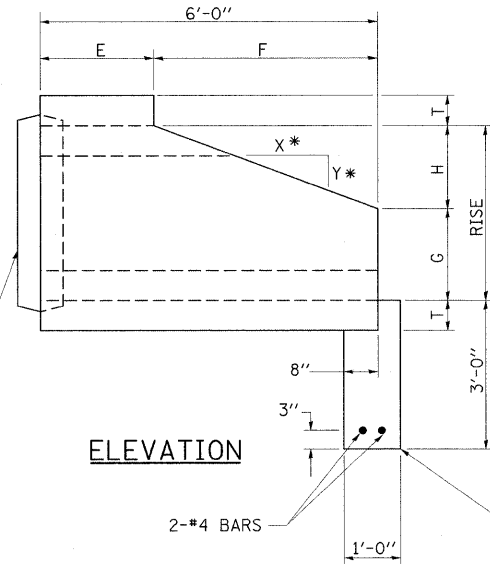
**PROJECT DETAILS
ILLINOIS ROUTE 13**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1X-1) R-7	WILLIAMSON	79	48
SCALE: N/A				CONTRACT NO. 78251
SHEET NO. OF SHEETS		STA. TO STA.		

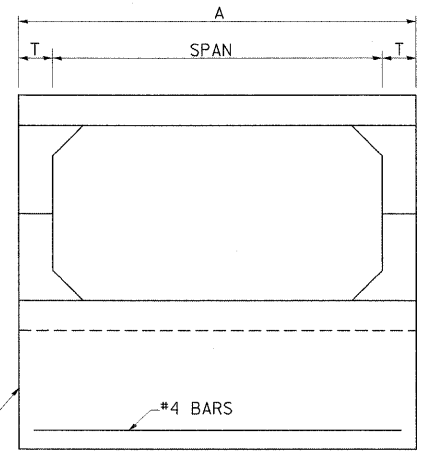
ILLINOIS FED. AID PROJECT

DETAIL OF PRECAST CONCRETE BOX CULVERT END SECTION

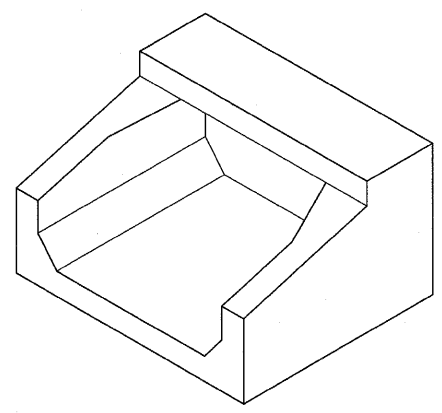
DIMENSIONS **



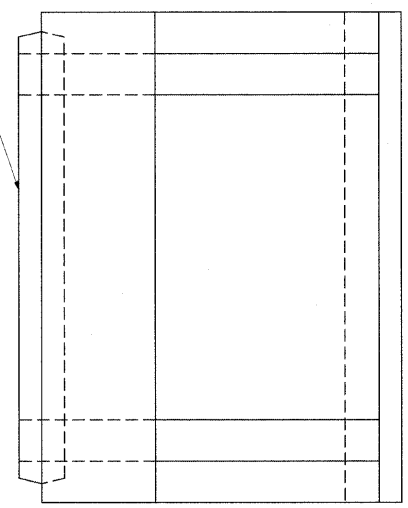
*2:1 SLOPE MINIMUM



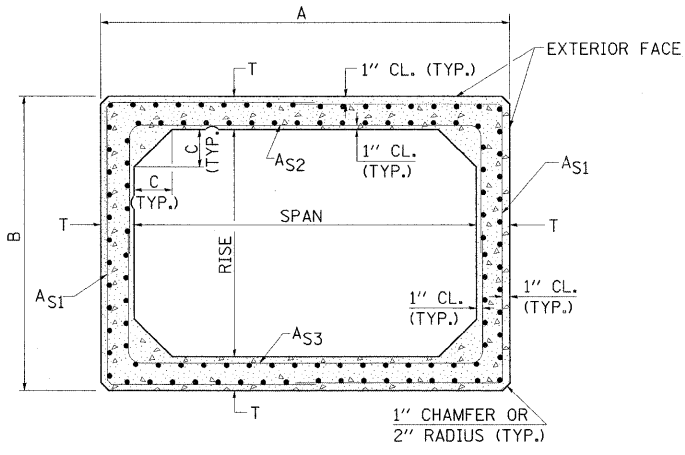
END VIEW



ISOMETRIC



PLAN



CROSS SECTION

GENERAL NOTES

SHOP PLANS FOR THE REINFORCEMENT SHALL BE SUBMITTED IN ACCORDANCE WITH THE REQUIREMENTS OF ARTICLE 504.04 OF THE STANDARD SPECIFICATIONS.

MINIMUM CONCRETE STRENGTH SHALL BE 5000 PSI AFTER 28 DAYS.

THE JOINTS OF THE PRECAST BOX SECTIONS SHALL BE SEALED WITH MASTIC IN ACCORDANCE WITH ARTICLE 1055.01 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

THE TERMS AS1, AS2, & AS3 DENOTE THE REQUIRED STEEL AREAS FOR REINFORCEMENT AS SPECIFIED IN AASHTO M259. REINFORCEMENT SHALL BE WELDED WIRE FABRIC CONFORMING TO AASHTO M55-81.

** NOTE:

THE DIMENSIONS INDICATED ARE FOR END SECTIONS THAT ARE TO BE USED WITH PRECAST BOX CULVERT SECTIONS DESIGNED FOR 2' OR MORE OF FILL. THE DIMENSIONS MUST BE MODIFIED FOR THE END SECTION TO BE COMPATIBLE WITH PRECAST CULVERT SECTIONS DESIGNED FOR LESS THAN 2' OF FILL.

SPAN X RISE	T (INCHES)	A (FT.-IN.)	B (FT.-IN.)	C (INCHES)	E (FT.-IN.)	F (FT.-IN.)	G (FT.-IN.)	H (FT.-IN.)	SLOPE (X:Y)
2' X 2'	4	2-8	2-8	4	3-0	3-0	1-0	1-0	3:1
3' X 2'	4	3-8	2-8	4	3-0	3-0	1-0	1-0	3:1
3' X 3'	4	3-8	3-8	4	2-0	4-0	1-8	1-4	3:1
4' X 2'	5	4-10	2-10	5	3-0	3-0	1-0	1-0	3:1
4' X 3'	5	4-10	3-10	5	2-0	4-0	1-8	1-4	3:1
4' X 4'	5	4-10	4-10	5	2-0	4-0	2-0	2-0	2:1
5' X 2'	6	6-0	3-0	6	3-0	3-0	1-0	1-0	3:1
5' X 3'	6	6-0	4-0	6	2-0	4-0	1-8	1-4	3:1
5' X 4'	6	6-0	5-0	6	2-0	4-0	2-0	2-0	2:1
5' X 5'	6	6-0	6-0	6					
6' X 2'	7	7-2	3-2	7	3-0	3-0	1-0	1-0	3:1
6' X 3'	7	7-2	4-2	7	2-0	4-0	1-8	1-4	3:1
6' X 4'	7	7-2	5-2	7	2-0	4-0	2-0	2-0	2:1
6' X 5'	7	7-2	6-2	7	2-0	4-0	3-0	2-0	2:1
6' X 6'	7	7-2	7-2	7	2-0	4-0	4-0	2-0	2:1
7' X 4'	8	8-4	5-4	8	2-0	4-0	2-0	2-0	2:1
7' X 5'	8	8-4	6-4	8					
7' X 6'	8	8-4	7-4	8					
7' X 7'	8	8-4	8-4	8					
8' X 4'	8	9-4	5-4	8	2-0	4-0	2-0	2-0	2:1
8' X 5'	8	9-4	6-4	8					
8' X 6'	8	9-4	7-4	8					
8' X 7'	8	9-4	8-4	8					
8' X 8'	8	9-4	9-4	8					
9' X 5'	9	10-6	6-6	9					
9' X 6'	9	10-6	7-6	9					
9' X 7'	9	10-6	8-6	9					
9' X 8'	9	10-6	9-6	9					
9' X 9'	9	10-6	10-6	9					
10' X 5'	10	11-8	6-8	10					
10' X 6'	10	11-8	7-8	10					
10' X 7'	10	11-8	8-8	10					
10' X 8'	10	11-8	9-8	10					
10' X 9'	10	11-8	10-8	10					
10' X 10'	10	11-8	11-8	10					
11' X 4'	11	12-10	5-10	11					
11' X 6'	11	12-10	7-10	11					
11' X 8'	11	12-10	9-10	11					
11' X 10'	11	12-10	11-10	11					
11' X 11'	11	12-10	12-10	11					
12' X 4'	12	14-0	6-0	12					
12' X 6'	12	14-0	8-0	12					
12' X 8'	12	14-0	10-0	12					
12' X 10'	12	14-0	12-0	12					
12' X 12'	12	14-0	14-0	12					

REVISIONS
DRAWN 9-8-89
REVISED 3-27-90
REVISED 6-14-94
REVISED 8-16-94
REVISED 01-10-07
RESIZED 5-7-08

STD. 9-50

FILE NAME =	USER NAME = Gary Davis	DESIGNED - BMB	REVISED -
I:\1001\0906603\Draw\CADD_Sheets\Frontage	Road Contract\0998859-sht-details.dgn	DRAWN - RAH	REVISED -
	PLOT SCALE = 50,0000' / IN.	CHECKED - SPH	REVISED -
	PLOT DATE = 3/16/2011	DATE - 3/16/11	REVISED -

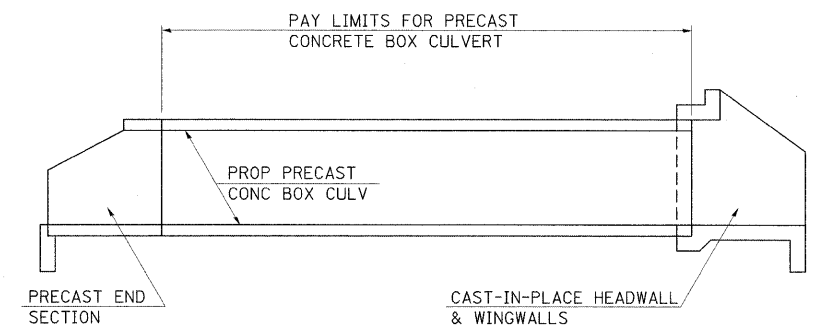
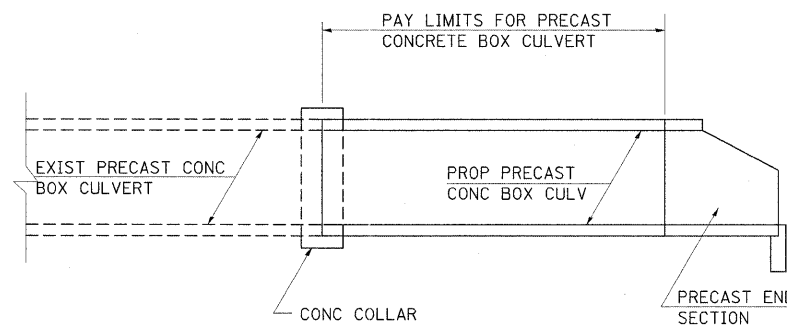
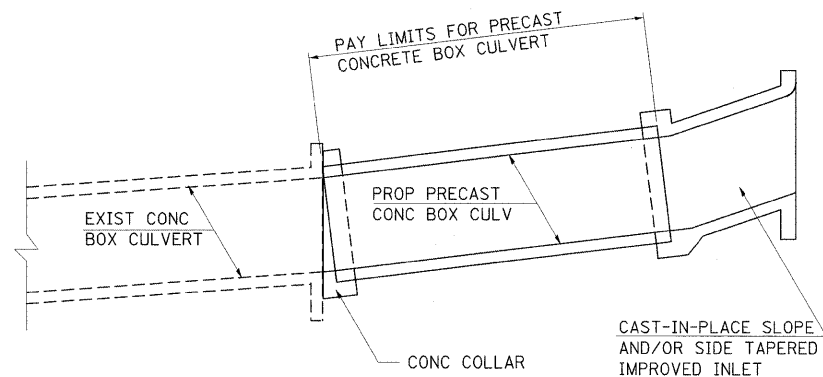
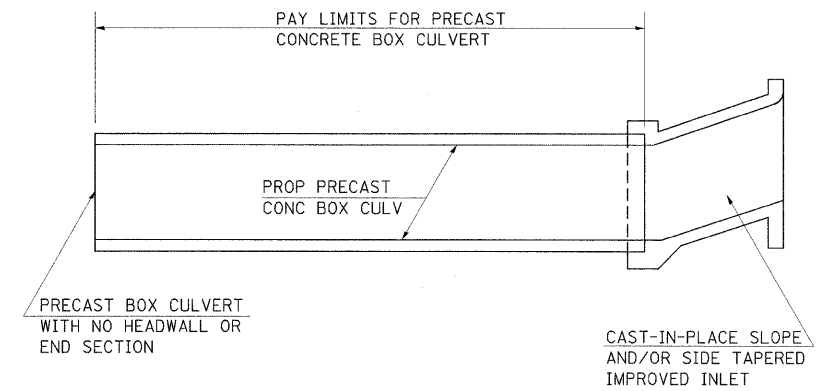
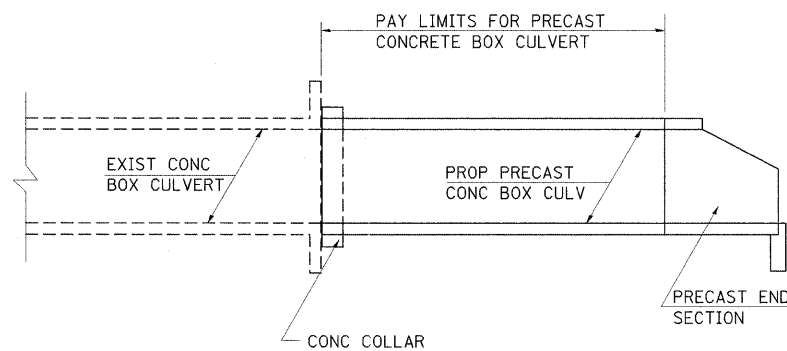
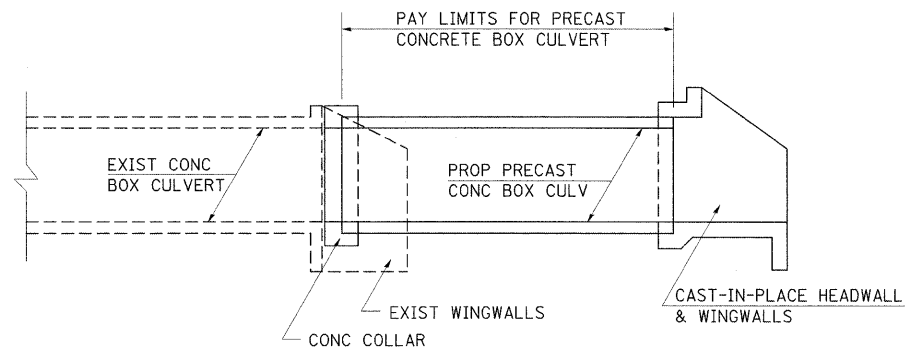
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROJECT DETAILS
ILLINOIS ROUTE 13**

SCALE: N/A SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1X-1) R-7	WILLIAMSON	79	49
CONTRACT NO. 78251				
ILLINOIS FED. AID PROJECT				

PAYMENT LIMITS FOR PRECAST CONCRETE BOX CULVERTS



CULVERT EXTENSIONS

NEW CULVERTS

NOTES:

WHEN PRECAST CONCRETE BOX CULVERTS ARE SPECIFIED ON THE PLANS, THEY WILL BE MEASURED BY THE FOOT. THE OVERALL LENGTH SHALL BE MEASURED OUT-TO-OUT OF THE PRECAST SEGMENTS ALONG THE CENTERLINE OF THE CULVERT. THE BOX CULVERT END SECTIONS WILL BE MEASURED AS EACH. CAST-IN-PLACE COLLARS WILL NOT BE PAID FOR SEPERATELY, BUT SHALL BE INCLUDED IN THE COST OF THE PRECAST CONCRETE BOX CULVERT. SEE ARTICLE 540.08 OF THE STANDARD SPECIFICATIONS ADOPTED JANUARY 1, 2002.

THE TERM "BOX CULVERT END SECTION" AS USED HEREIN SHALL BE DEFINED AS EITHER PRECAST END SECTIONS OR CAST-IN-PLACE HEADWALLS AND WINGWALLS CONSTRUCTED AS SHOWN IN THE PLANS.

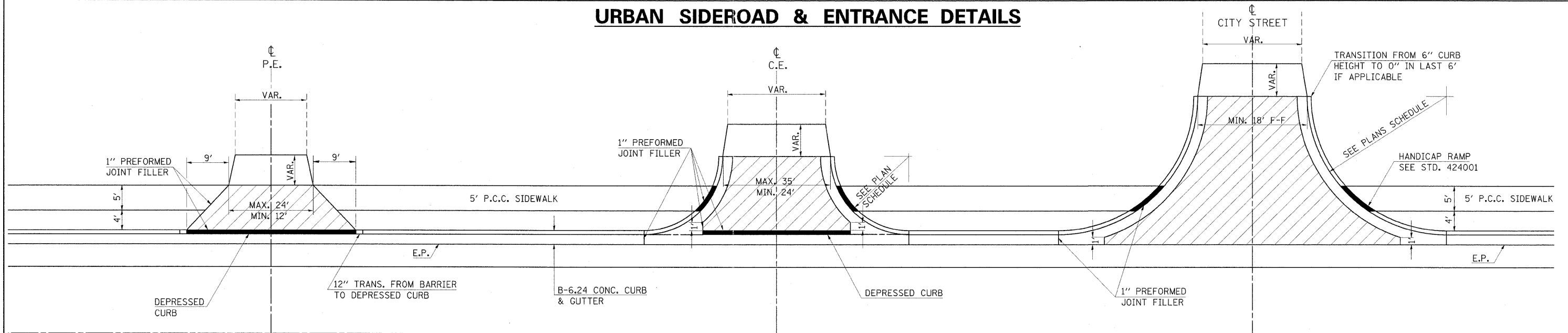
THROUGHOUT THESE PLANS, QUANTITIES SHOWN FOR CLASS S1 CONCRETE AND REBARS TO BE USED IN COLLARS, HEADWALLS, WINGWALLS OR IMPROVED INLETS FOR PRECAST CONCRETE BOX CULVERTS ARE PROVIDED FOR INFORMATION AND BIDDING ONLY, AND SHALL NOT BE PAID FOR SEPERATELY.

REVISIONS	
DRAWN	8-14-90
REVISED	7-19-91
REVISED	3-11-92
REVISED	12-9-92

STD. 9-81

FILE NAME =	USER NAME = Gary Davis	DESIGNED - BMB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROJECT DETAILS ILLINOIS ROUTE 13	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
1:\ID01\8906603\Draw\CADD_Sheets\Frontage	Draw Contract\0998059-sht-details.dgn	DRAWN - RAH	REVISED -			331	(1X-1) R-7	WILLIAMSON	79	50	
	PLOT SCALE = 50,0000' / IN.	CHECKED - SPH	REVISED -			CONTRACT NO. 78251					
	PLOT DATE = 3/16/2011	DATE - 3/16/11	REVISED -			ILLINOIS FED. AID PROJECT					
				SCALE: N/A	SHEET NO. OF SHEETS	STA.	TO STA.				

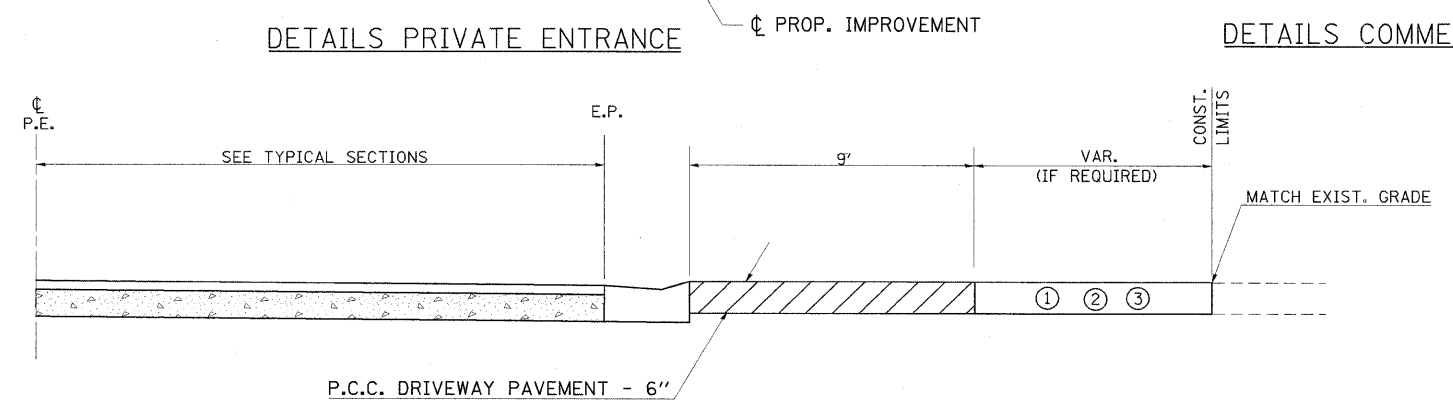
URBAN SIDEROAD & ENTRANCE DETAILS



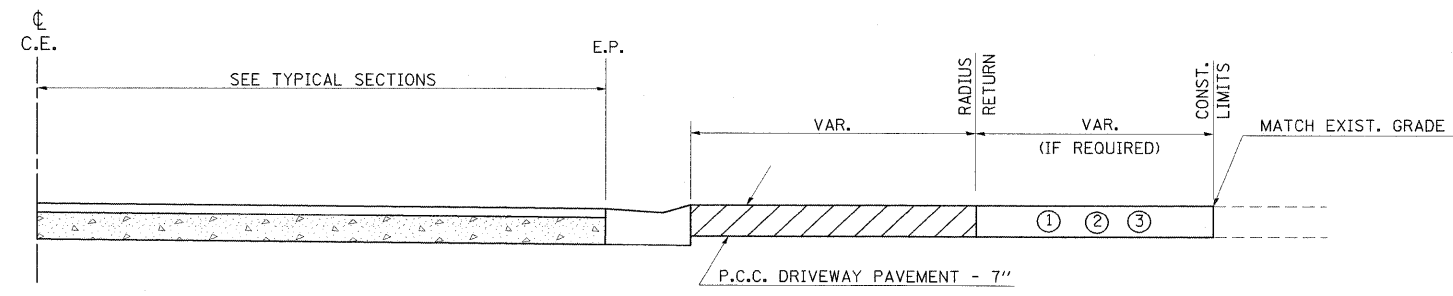
DETAILS PRIVATE ENTRANCE

DETAILS COMMERCIAL ENTRANCE

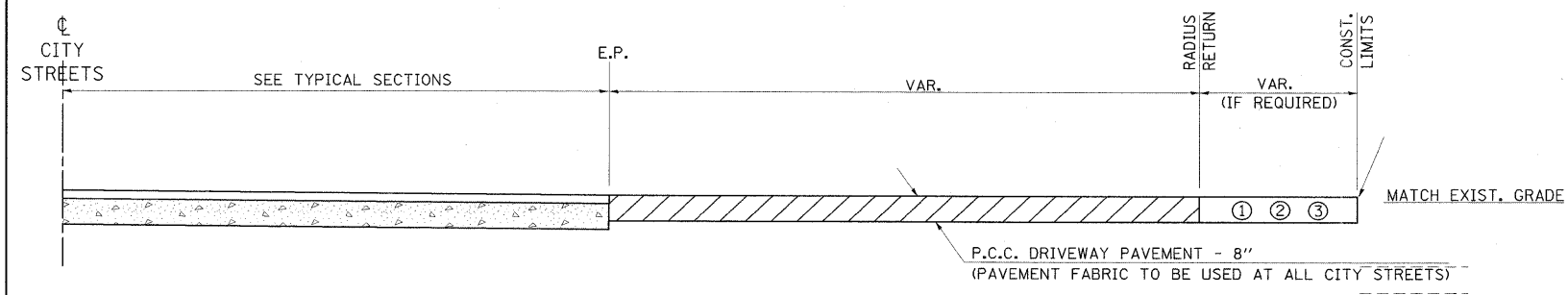
DETAILS CITY STREETS



PROFILE OF PRIVATE ENTRANCES



PROFILE OF COMMERCIAL ENTRANCES



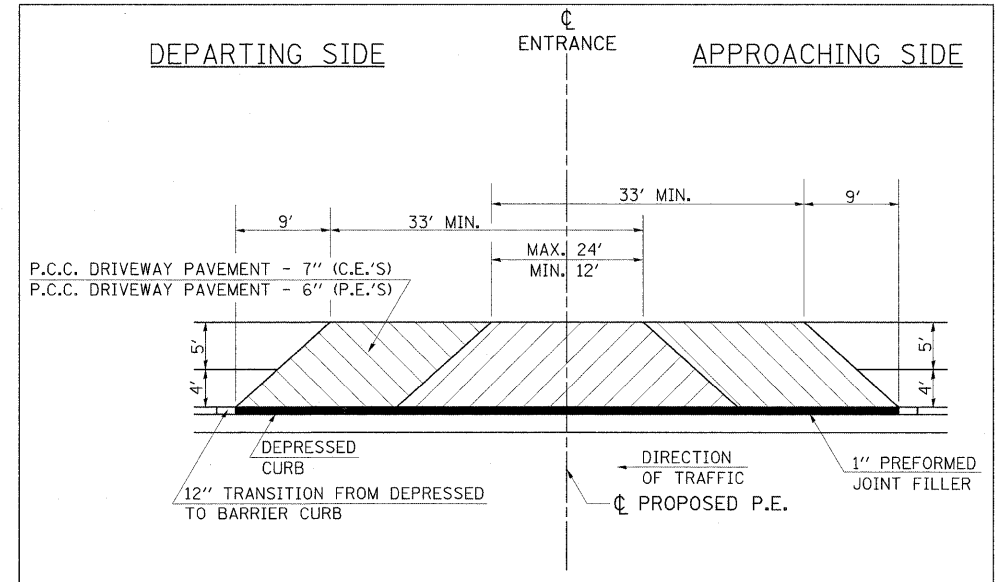
PROFILE OF CITY STREETS

GENERAL NOTES

1. SEE PLAN SCHEDULES FOR DIMENSIONS AND QUANTITIES.
2. SEE CROSS SECTIONS FOR PROPOSED PROFILE OF SIDEROAD AND ENTRANCES.
3. IN GENERAL, WIDTH TRANSITION TAPER RATES ARE TO BE 5:1 FOR ENTRANCES, AND 10:1 FOR CITY STREETS.
4. THE SAWING OF ALL JOINTS IN PCC DRIVEWAY PAVEMENT AT ALL LOCATIONS DESIGNATED BY THE ENGINEER, SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE PCC DRIVEWAY PAVEMENT.

LEGEND

- ① EXISTING AGGREGATE SURFACE:
CONSTRUCT AGGREGATE SURFACE CSE, TYPE A WEDGE TO MATCH EXISTING GRADE. USE 6" MIN. (8" MIN. FOR CITY STREETS) THICKNESS FOR ANY REQUIRED WIDENING.
- ② EXISTING BITUMINOUS SURFACE:
USE 2" MIN. BITUMINOUS RESURFACING ON 4" MIN. (6" MIN. FOR CITY STREETS) AGGREGATE BASE COURSE.
- ③ EXISTING CONCRETE SURFACE:
P.C.C. DRIVEWAY PAVEMENT 6" P.E.'S
P.C.C. DRIVEWAY PAVEMENT 7" C.E.'S
P.C.C. DRIVEWAY PAVEMENT 8" CITY STREETS



DETAILS FOR CONST. MAILBOX TURNOUTS

(AT EITHER APPROACHING OR DEPARTING SIDE OF ENTRANCE)

FILE NAME =	USER NAME = Gary Davis	DESIGNED - BMB	REVISED -
1:\DDOT\0906603\Draw\CADD_Sheets\Frontage Road Contract\0998859\shtr-details.dgn		DRAWN - RAH	REVISED -
		CHECKED - SPH	REVISED -
		DATE - 3/16/11	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: N/A	SHEET NO. OF SHEETS	STA. TO STA.
PROJECT DETAILS ILLINOIS ROUTE 13		

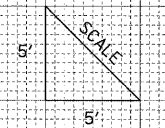
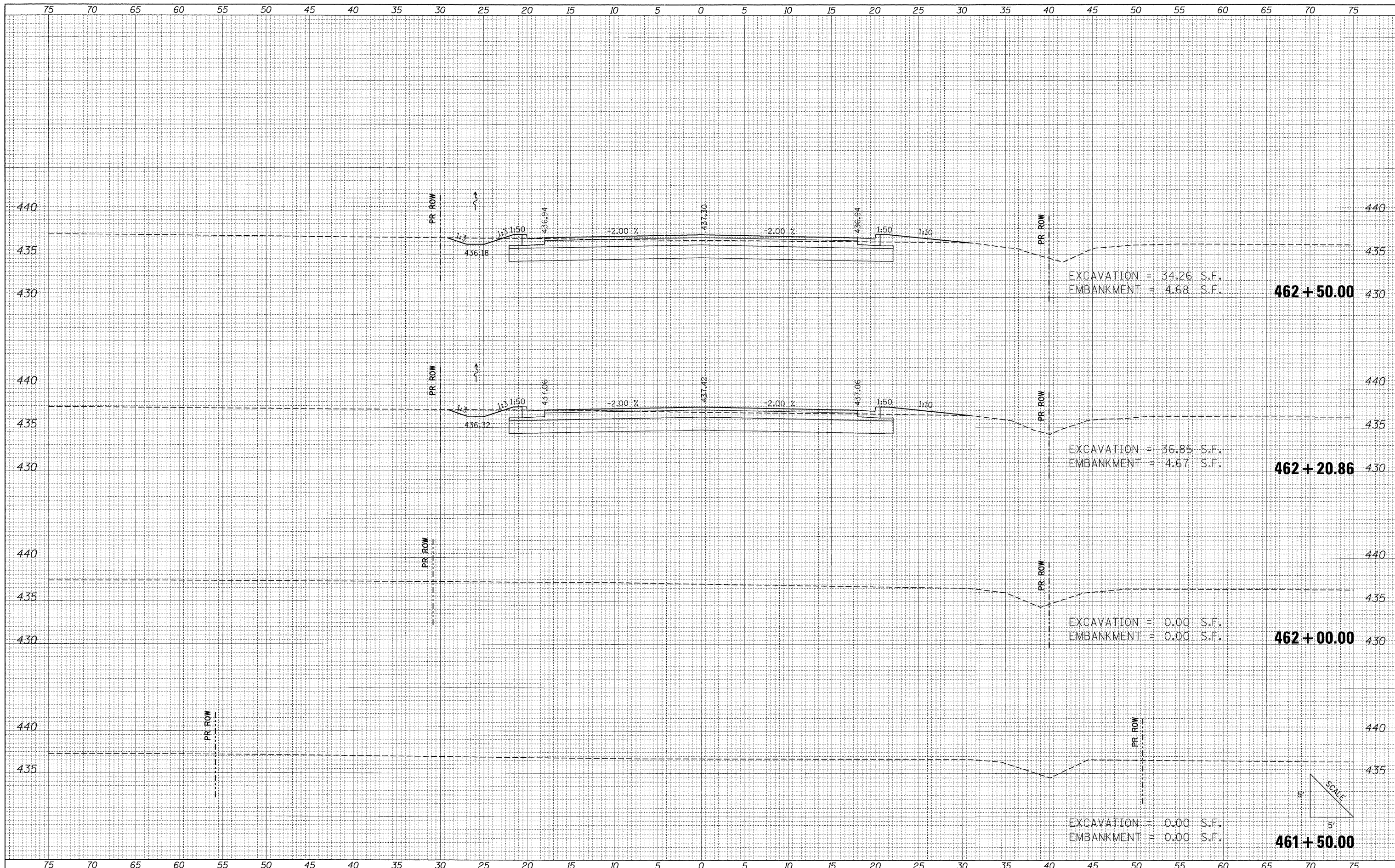
F.A. RTE. 331	SECTION (IX-1) R-7	COUNTY WILLIAMSON	TOTAL SHEETS 79	SHEET NO. 51
				CONTRACT NO. 78251
ILLINOIS FED. AID PROJECT				

REVISIONS
DRAWN 10-22-90
REVISED 9-6-91
REVISED 10-21-91
RESIZED 6-8-08

STD. 9-84

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

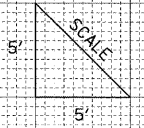
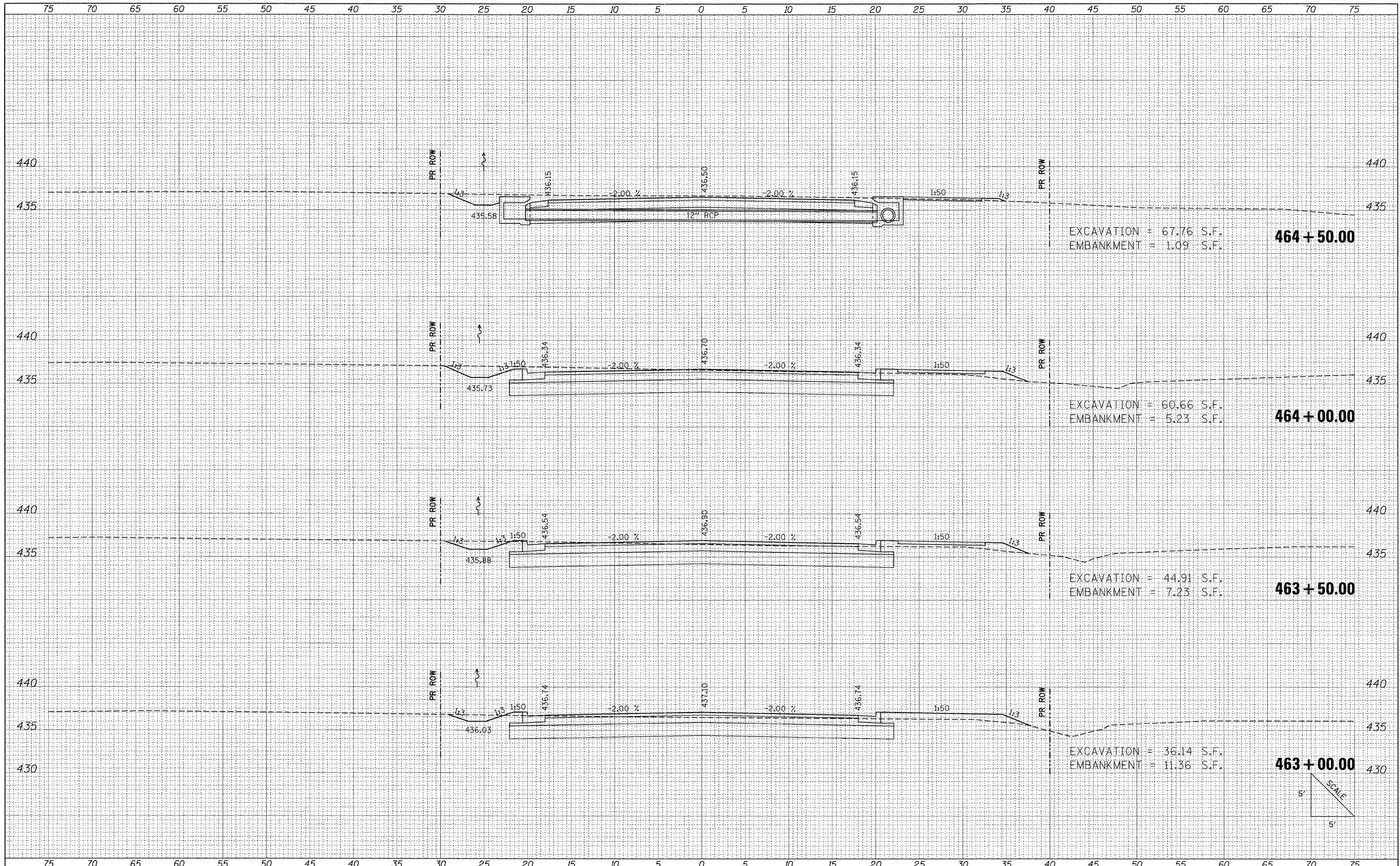
BY	DATE
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED



FILE NAME = I:\J001\0906603\Draw\CADD_Sheets\Frontage Road	USER NAME = Brian Bond	DESIGNED - BMB	REVISIED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED CROSS SECTIONS FRONTAGE ROAD			F.A. RTE. 331	SECTION (1X-1) R-7	COUNTY WILLIAMSON	TOTAL SHEETS 79	SHEET NO. 52
	CONTRACT \D998859-sh1-x\Frontage.dgn	DRAWN - RAH	REVISIED -		SCALE:	SHEET NO. OF SHEETS	STA. 461+50.00 TO STA. 462+50.00	ILLINOIS FED. AID PROJECT				
	PLOT SCALE = 5.0000 / IN.	CHECKED - SPH	REVISIED -									
	PLOT DATE = 3/17/2011	DATE - 3/16/11	REVISIED -									

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

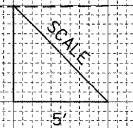
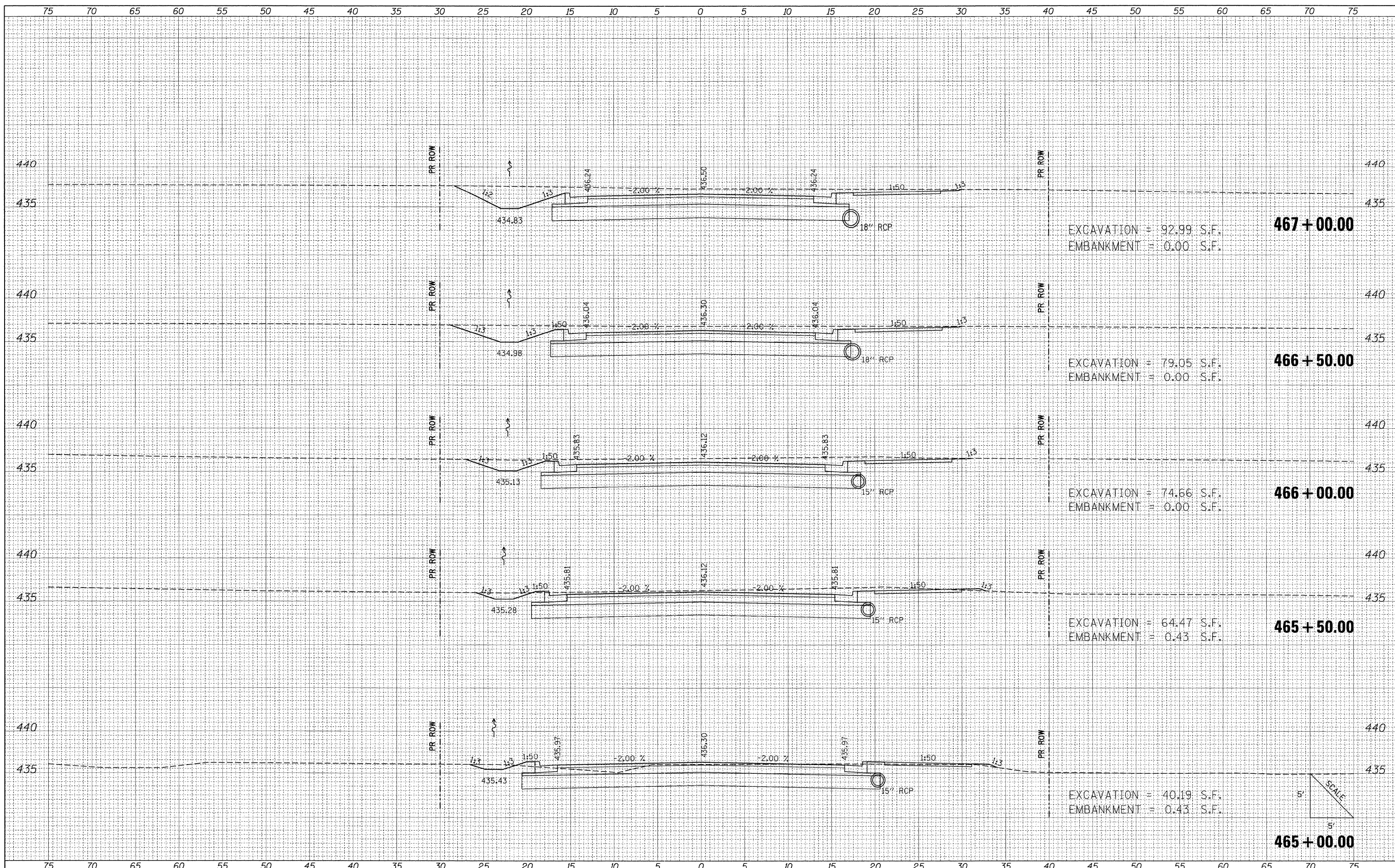
DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
REVISIONS	
NOTE BOOK	
NO.	
AREAS CHECKED	



FILE NAME = I:\DOT\0906603\Draw\CADD_Sheets\Frontage Road	USER NAME = Brian Bond	DESIGNED - BMB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED CROSS SECTIONS FRONTAGE ROAD		F.A. RTE. 331	SECTION (1X-1) R-7	COUNTY WILLIAMSON	TOTAL SHEETS 79	SHEET NO. 53	
	Contract\0906603\Draw\CADD_Sheets\Frontage Road	DRAWN - RAH	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA. 463+00.00 TO STA. 464+50.00	ILLINOIS FED. AID PROJECT				
	PLOT SCALE = 5.0000" / 1"	CHECKED - SPH	REVISED -									
	PLOT DATE = 3/17/2011	DATE - 3/16/11	REVISED -									

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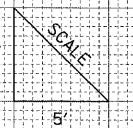
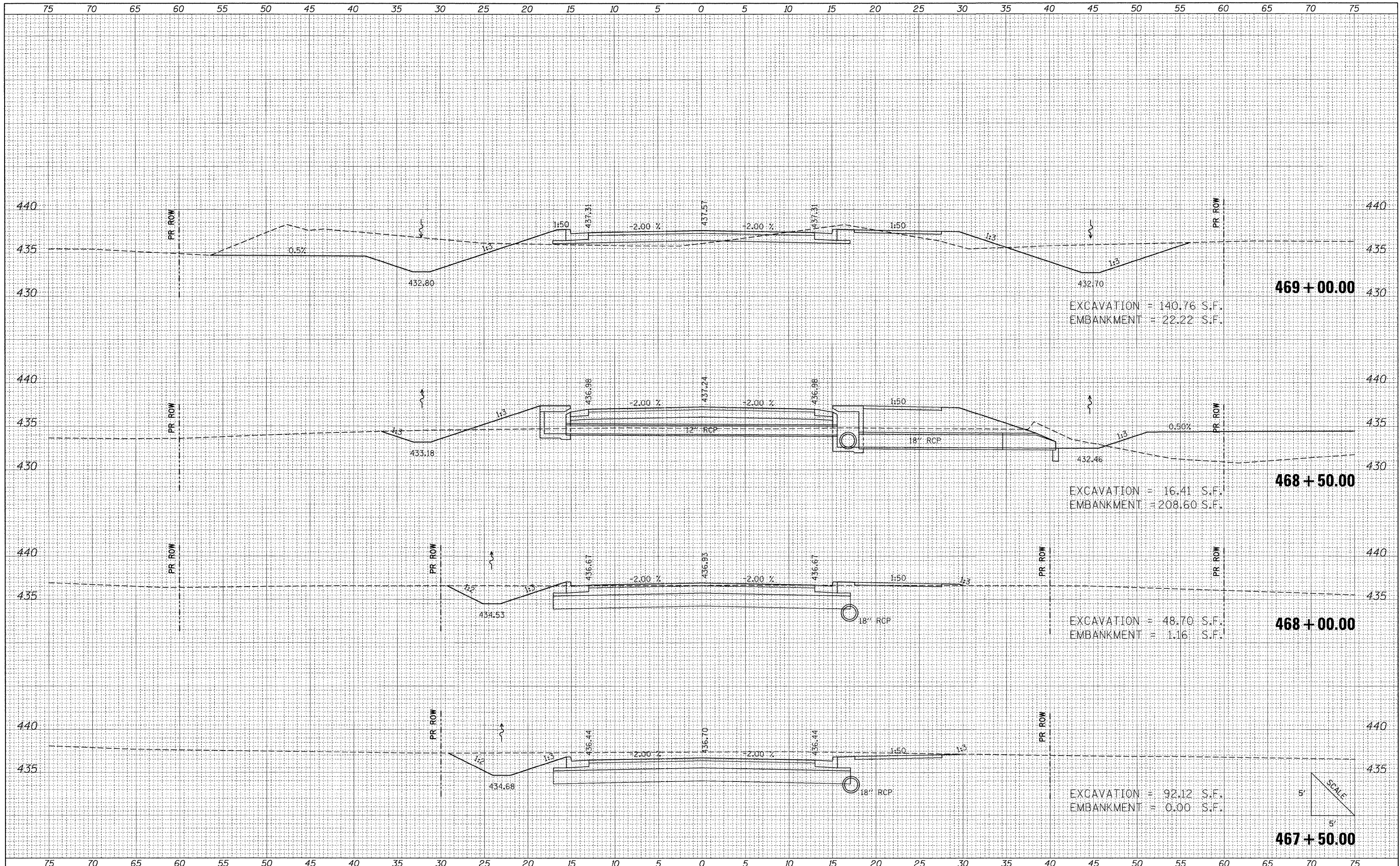
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BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
NOTE BOOK	
REVISIONS	
AREAS CHECKED	
NO.	



FILE NAME =	USER NAME = Brian Bond	DESIGNED - BMB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED CROSS SECTIONS FRONTAGE ROAD			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
L:\DOT\0906603\Draw\CADD_Sheets\Frontage Road	Contract\0906603\Draw\CADD_Sheets\Frontage Road	DRAWN - RAH	REVISED -		331	(1X-1) R-7	WILLIAMSON	79	54			
PLOT SCALE = 5.0000 / IN.		CHECKED - SPH	REVISED -					CONTRACT NO. 78251				
PLOT DATE = 3/17/2011		DATE - 3/16/11	REVISED -		SCALE: SHEET NO. OF SHEETS STA. 465+00.00 TO STA. 467+00.00			ILLINOIS FED. AID PROJECT				

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

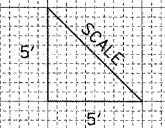
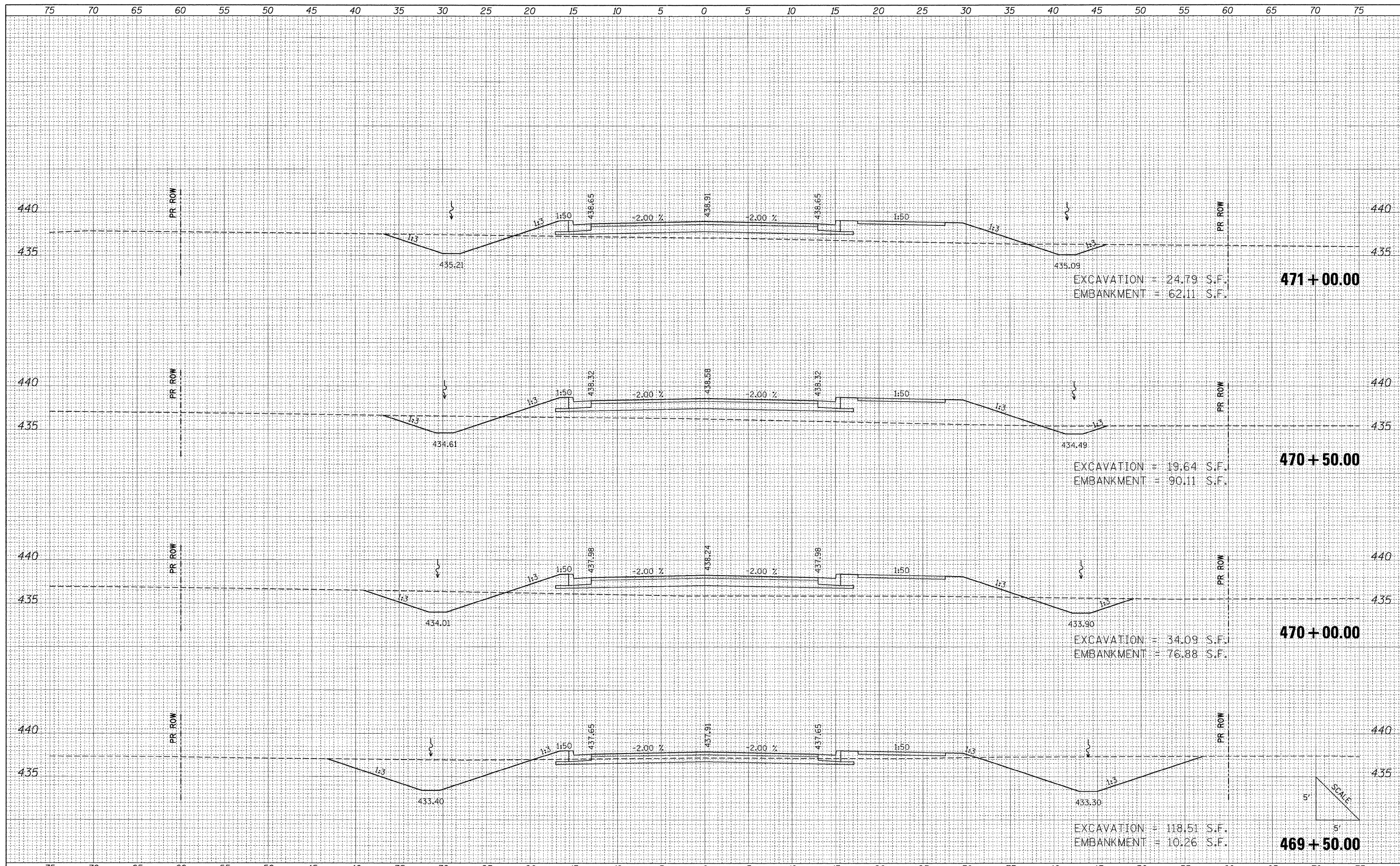
BY	DATE
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	DATE
	AREAS CHECKED



FILE NAME =	USER NAME = Brian Bond	DESIGNED - BMB	REVISIONS	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED CROSS SECTIONS		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
J:\DOT\0906603\Draw\CADD_Sheets\Frontage Road	Contract\0906603\sh-tr\Frontage.dgn	DRAWN - RAH	REVISIONS		SCALE:	SHEET NO.	OF SHEETS	331	(1X-1) R-7	WILLIAMSON	79	55
PLOT SCALE = 5.0000" / IN.	CHECKED - SPH	REVISIONS	REVISIONS		STA. 467+50.00	TO STA. 469+00.00	ILLINOIS FED. AID PROJECT		CONTRACT NO. 78251			
PLOT DATE = 3/17/2011	DATE - 3/16/11	REVISIONS	REVISIONS									

BY	DATE

ORIGINAL SURVEY	SURVEYED
NOTE BOOK	FLOTTED
	TEMPLATE
	AREAS CHECKED

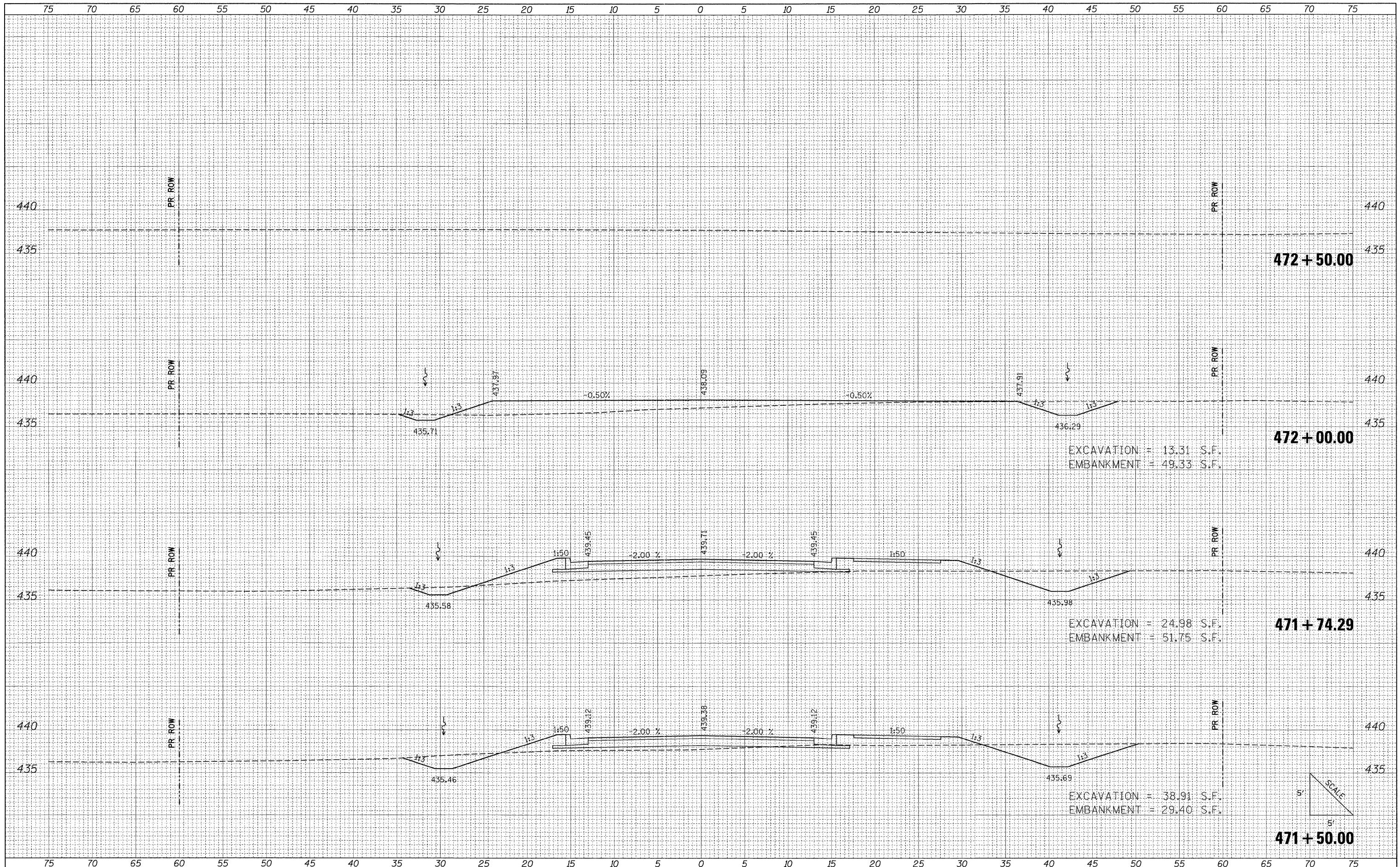


FILE NAME =	USER NAME = Brian Bond	DESIGNED - BMB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED CROSS SECTIONS FRONTAGE ROAD				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
3:\DDOT\0906603\Draw\CADD_Sheets\Frontage Road	Contract\0998859-sht-xs\Frontage.dgn	DRAWN - RAH	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA. 469+50.00	TO STA. 471+00.00	331	(1X-1) R-7	WILLIAMSON	79	56
PLOT SCALE = 5.0000" / 1"	CHECKED - SPH	REVISED -													
PLOT DATE = 3/17/2011	DATE - 3/16/11	REVISED -													

ILLINOIS FED. AID PROJECT

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

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



EXCAVATION = 13.31 S.F.
EMBANKMENT = 49.33 S.F.

EXCAVATION = 24.98 S.F.
EMBANKMENT = 51.75 S.F.

EXCAVATION = 38.91 S.F.
EMBANKMENT = 29.40 S.F.

FILE NAME = I:\DOT\0986603\Draw\CADD_Sheets\Frontage Road

USER NAME = Brian Bond
Contract\0986603\Draw\CADD_Sheets\Frontage.dgn
PLOT SCALE = 5.00000" / IN.
PLOT DATE = 3/17/2011

DESIGNED - BMB
DRAWN - RAH
CHECKED - SPH
DATE - 3/16/11

REVISED -
REVISED -
REVISED -
REVISED -

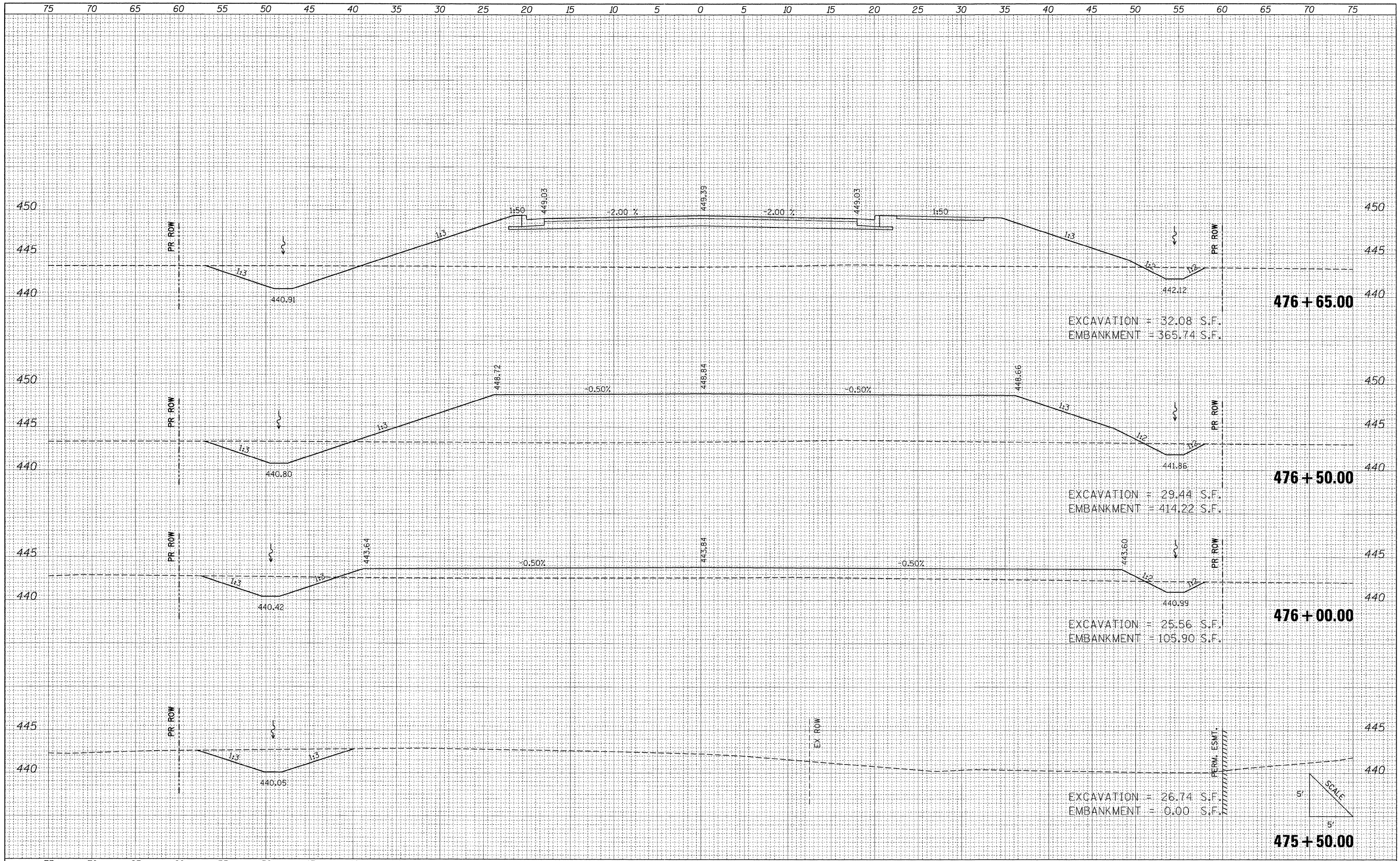
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED CROSS SECTIONS
FRONTAGE ROAD**
SCALE: SHEET NO. OF SHEETS STA. 471+50.00 TO STA. 472+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1X-1) R-7	WILLIAMSON	79	57
ILLINOIS FED. AID PROJECT			CONTRACT NO. 78251	

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

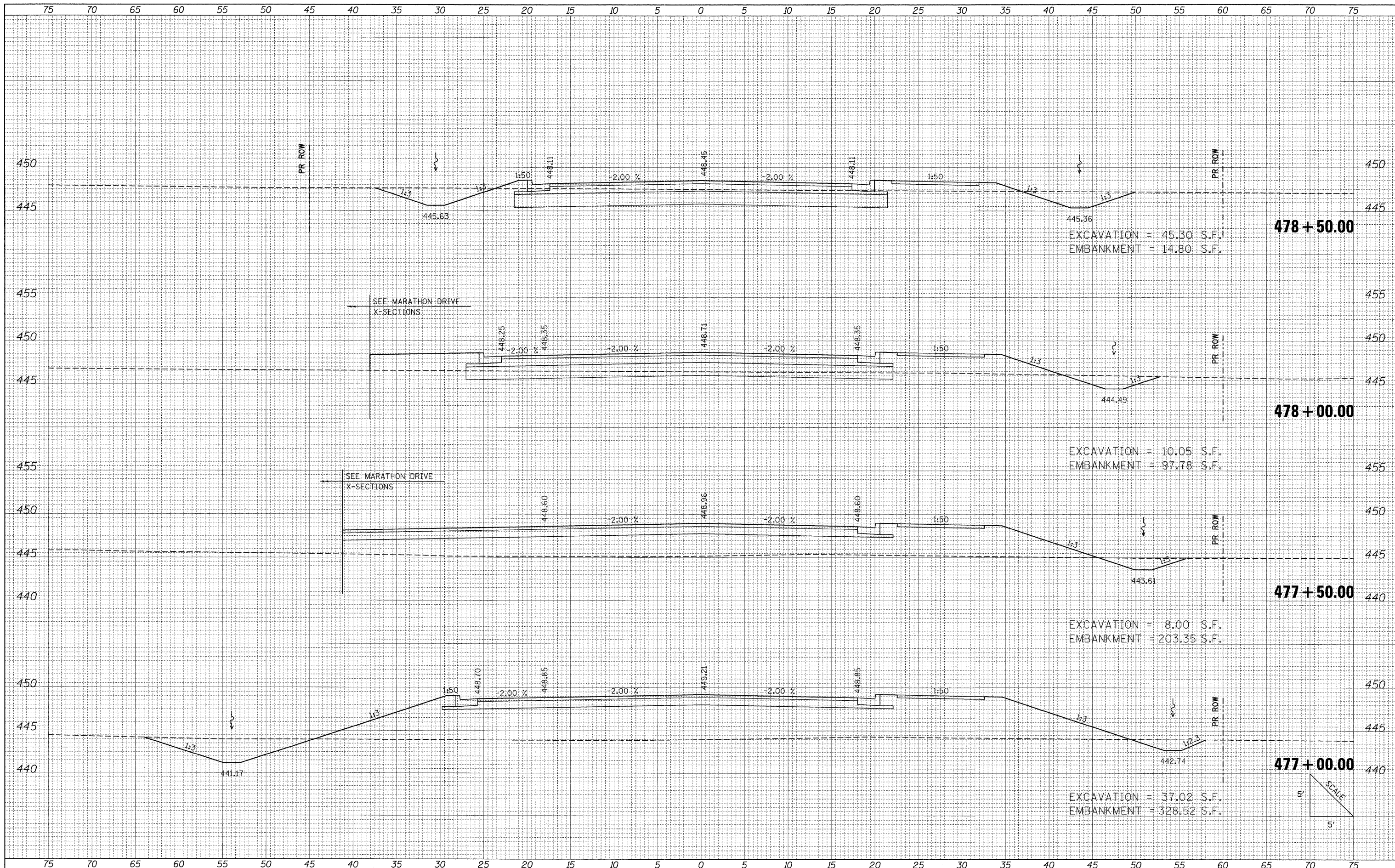
BY	DATE
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	REVISIONS
	AREAS CHECKED



FILE NAME = 1:\1007\0906603\Draw\CADD_Sheets\Frontage Road	USER NAME = Brian Bond	DESIGNED - BMB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED CROSS SECTIONS FRONTAGE ROAD			F.A. RTE. 331	SECTION (1X-1) R-7	COUNTY WILLIAMSON	TOTAL SHEETS 79	SHEET NO. 58
	Contract\0906603\Draw\CADD_Sheets\Frontage Road	DRAWN - RAH	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA. 475+50.00	TO STA. 476+65.00	CONTRACT NO. 78251	
		CHECKED - SPH	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE - 3/16/11	REVISED -									

DATE	BY
SURVEYED	
PLOTTED	
EMULATE	
NOTE BOOK	
NO.	

DATE	BY
SURVEYED	
PLOTTED	
EMULATE	
NOTE BOOK	
NO.	



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USER NAME = Brian Bond
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 PLOT SCALE = 5.0000" / 1"
 PLOT DATE = 3/17/2011

DESIGNED - BMB
 DRAWN - RAH
 CHECKED - SPH
 DATE - 3/16/11

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

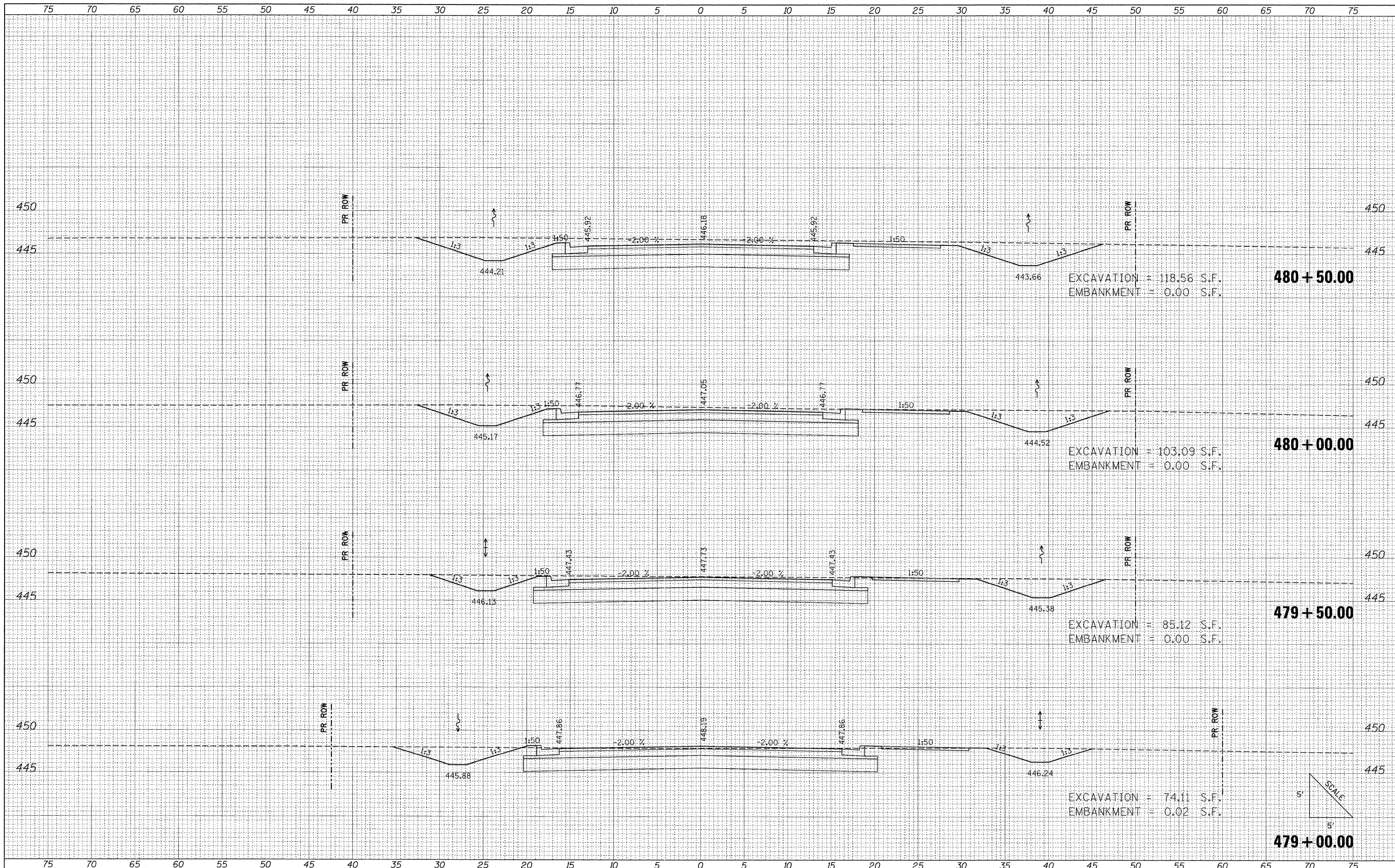
**PROPOSED CROSS SECTIONS
 FRONTAGE ROAD**

SCALE: SHEET NO. OF SHEETS STA. 477+00.00 TO STA. 478+50.00

F.A. RTE. 331	SECTION (1X-1) R-7	COUNTY WILLIAMSON	TOTAL SHEETS 79	SHEET NO. 59
ILLINOIS FED. AID PROJECT			CONTRACT NO. 78251	

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

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

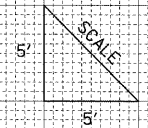


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EXCAVATION = 103.09 S.F.
EMBANKMENT = 0.00 S.F.

EXCAVATION = 85.12 S.F.
EMBANKMENT = 0.00 S.F.

EXCAVATION = 74.11 S.F.
EMBANKMENT = 0.02 S.F.



FILE NAME = I:\DOT\0906603\Draw\CADD_Sheets\Frontage Road

USER NAME = Brian Bond
Contract\0906603\Draw\Frontage.dgn
PLOT SCALE = 5.0000" / IN.
PLOT DATE = 3/17/2011

DESIGNED - BMB
DRAWN - RAH
CHECKED - SPH
DATE - 3/16/11

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

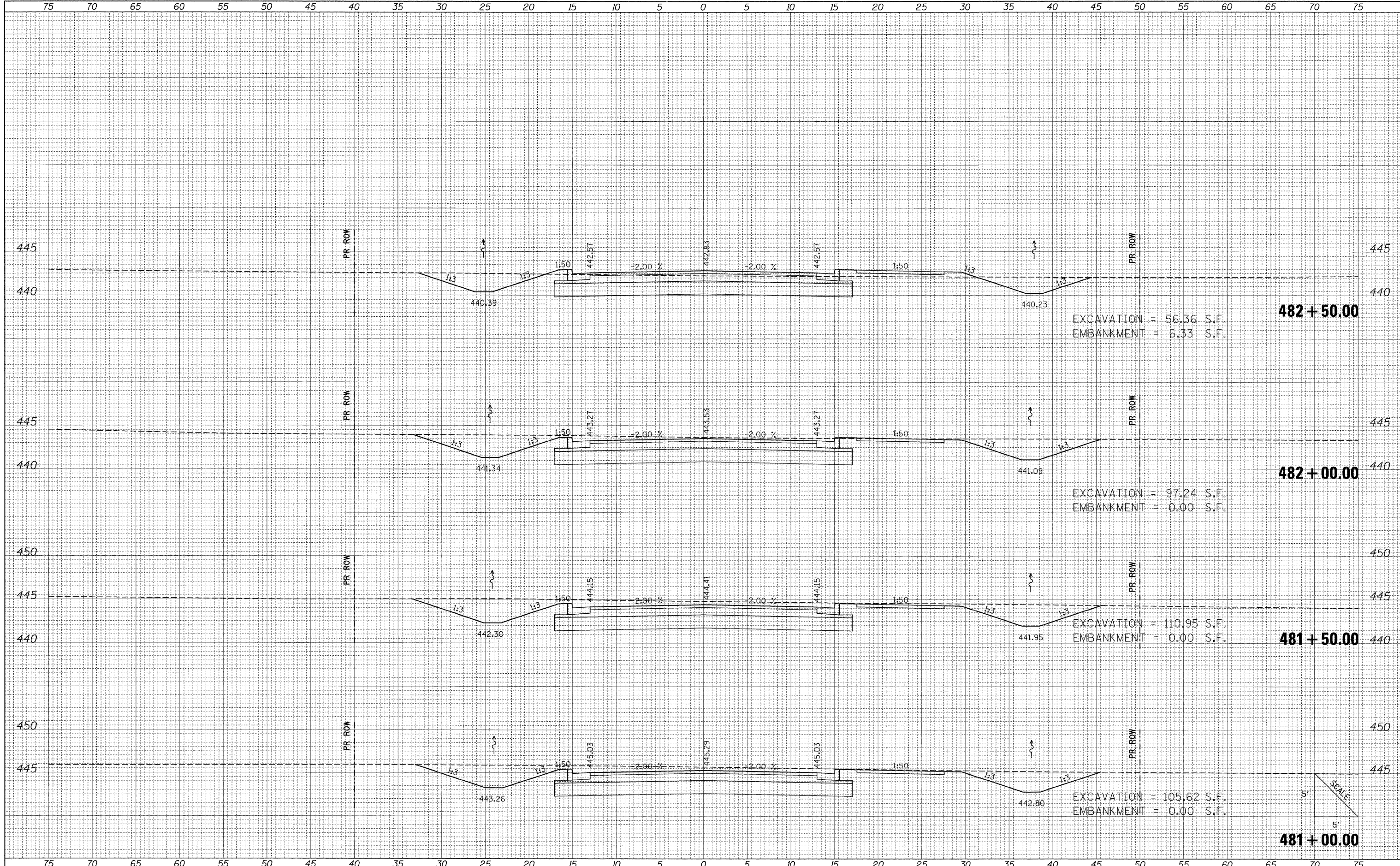
**PROPOSED CROSS SECTIONS
FRONTAGE ROAD**

SCALE: SHEET NO. OF SHEETS STA. 479+00.00 TO STA. 480+50.00

F.A. RTE. 331	SECTION (1X-1) R-7	COUNTY WILLIAMSON	TOTAL SHEETS 79	SHEET NO. 60
			CONTRACT NO. 78251	
ILLINOIS FED. AID PROJECT				

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

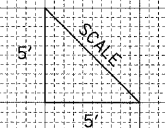
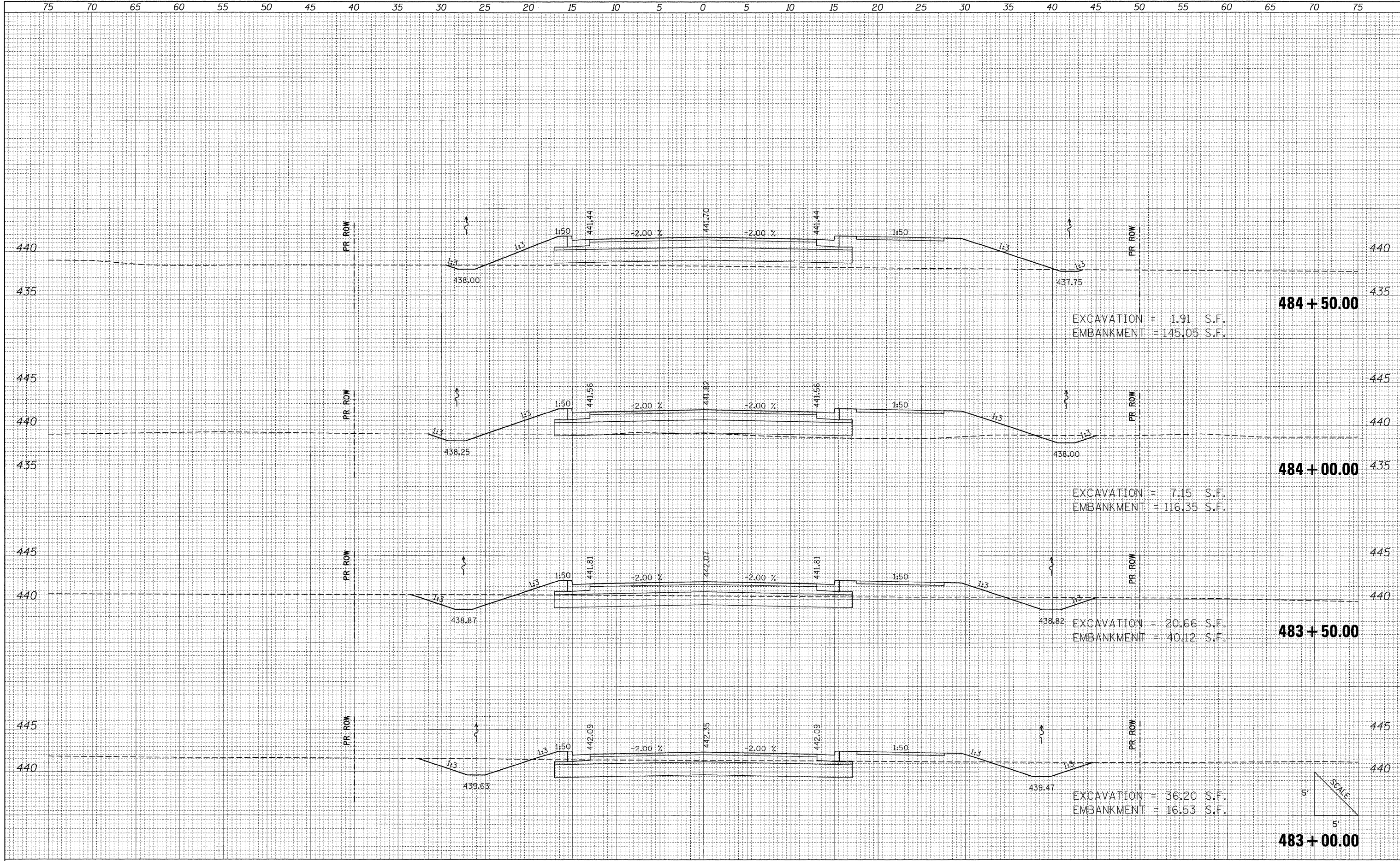
ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	REVISIONS	
	AREAS CHECKED	



FILE NAME = I:\DOT\8\06603\Draw\CADD_Sheets\Frontage Road	USER NAME = Brian Bond	DESIGNED - BMB	REVISIONS -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED CROSS SECTIONS FRONTAGE ROAD			F.A. RTE. 331	SECTION (IX-1) R-7	COUNTY WILLIAMSON	TOTAL SHEETS 79	SHEET NO. 61
	Contract\09\8859\sh-x\Frontage.dgn	DRAWN - RAH	REVISIONS -		SCALE:	SHEET NO.	OF SHEETS	STA. 481+00.00 TO STA. 482+50.00	CONTRACT NO. 78251			
	PLOT SCALE = 5.00000' / IN.	CHECKED - SPH	REVISIONS -		ILLINOIS FED. AID PROJECT							
	PLOT DATE = 3/16/11	DATE - 3/16/11	REVISIONS -									

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

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



FILE NAME = I:\DOT\0906603\Draw\CADD_Sheets\Frontage Road

USER NAME = Brian Bond
 Contract\0906603\Draw\CADD_Sheets\Frontage Road

DESIGNED - BMB
 DRAWN - RAH
 CHECKED - SPH
 DATE - 3/16/11

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

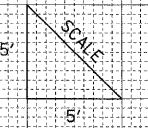
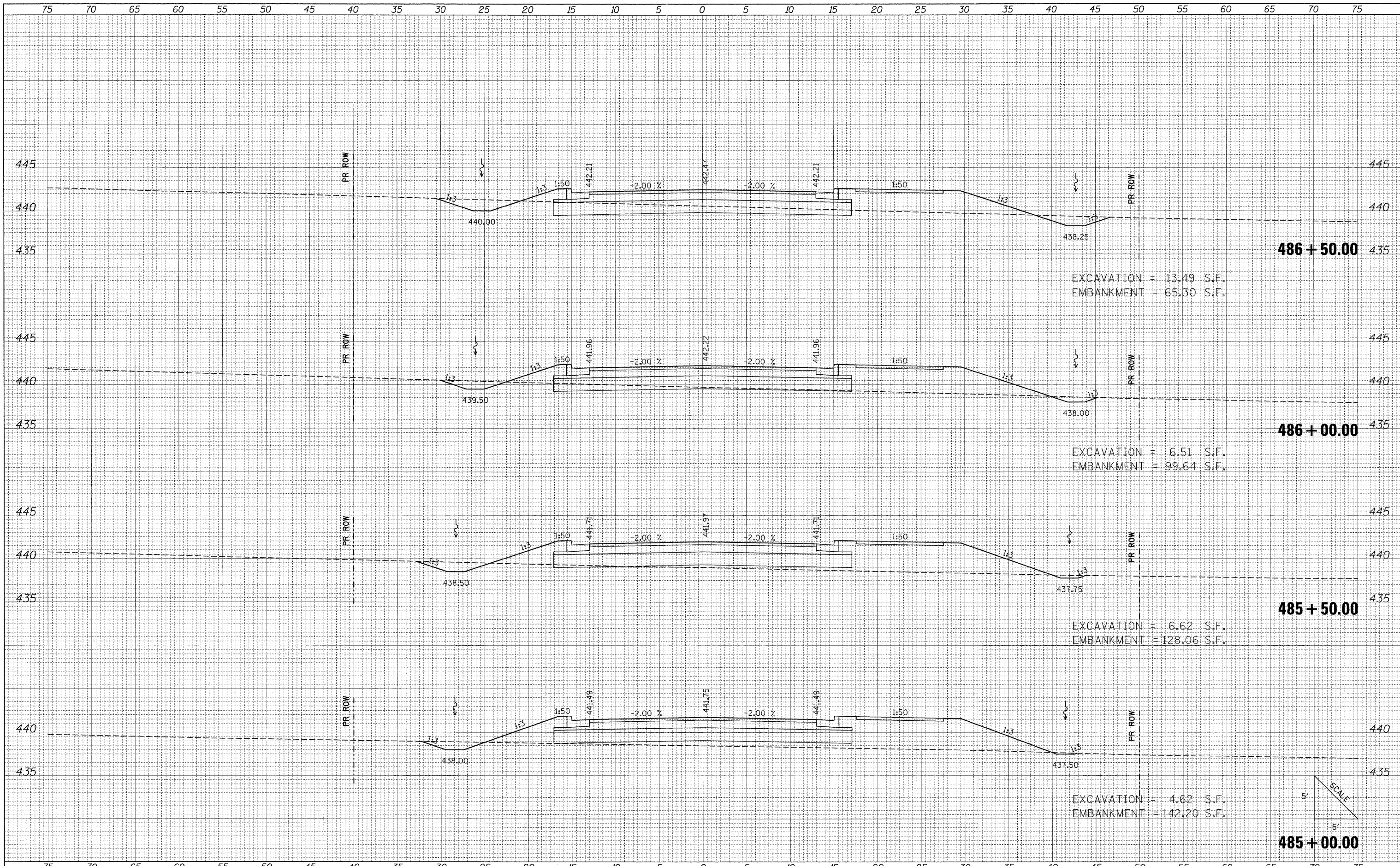
**PROPOSED CROSS SECTIONS
 FRONTAGE ROAD**

SCALE: SHEET NO. OF SHEETS STA. 483+00.00 TO STA. 484+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1X-1) R-7	WILLIAMSON	79	62
			CONTRACT NO. 78251	
ILLINOIS FED. AID PROJECT				

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

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



FILE NAME = I:\DOT\0906603\Crow\CADD\Sheets\Frontage Road

USER NAME = Brian Bond
 Contract\0906603\sh\sf\Frontage.dgn
 PLOT SCALE = 5.0000' / 1" /
 PLOT DATE = 3/17/2011

DESIGNED - BMB
 DRAWN - RAH
 CHECKED - SPH
 DATE - 3/16/11

REVISED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

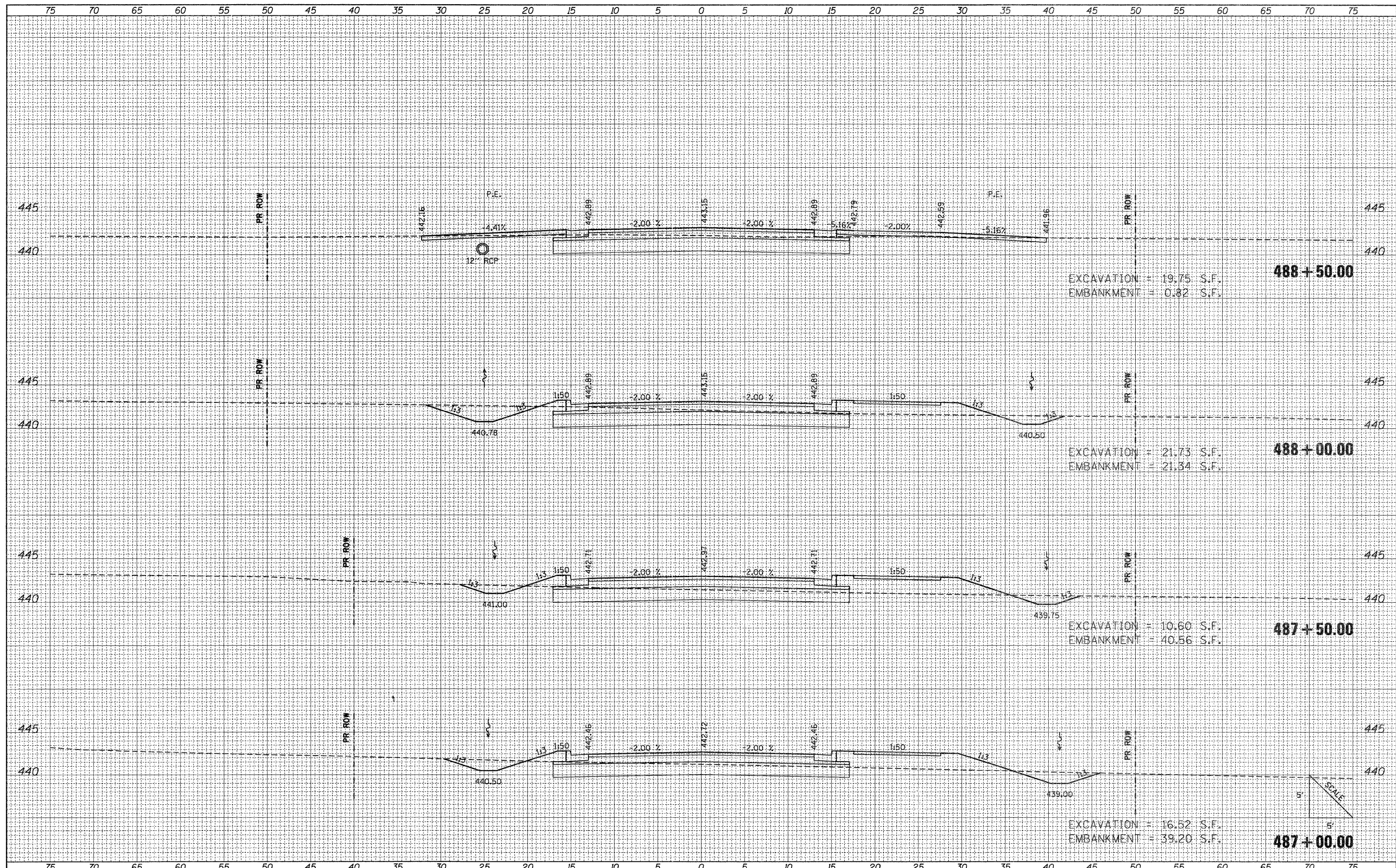
**PROPOSED CROSS SECTIONS
 FRONTAGE ROAD**

SCALE: SHEET NO. OF SHEETS STA. 485+00.00 TO STA. 486+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(IX-1) R-7	WILLIAMSON	79	63
			CONTRACT NO. 78251	
ILLINOIS FED. AID PROJECT				

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

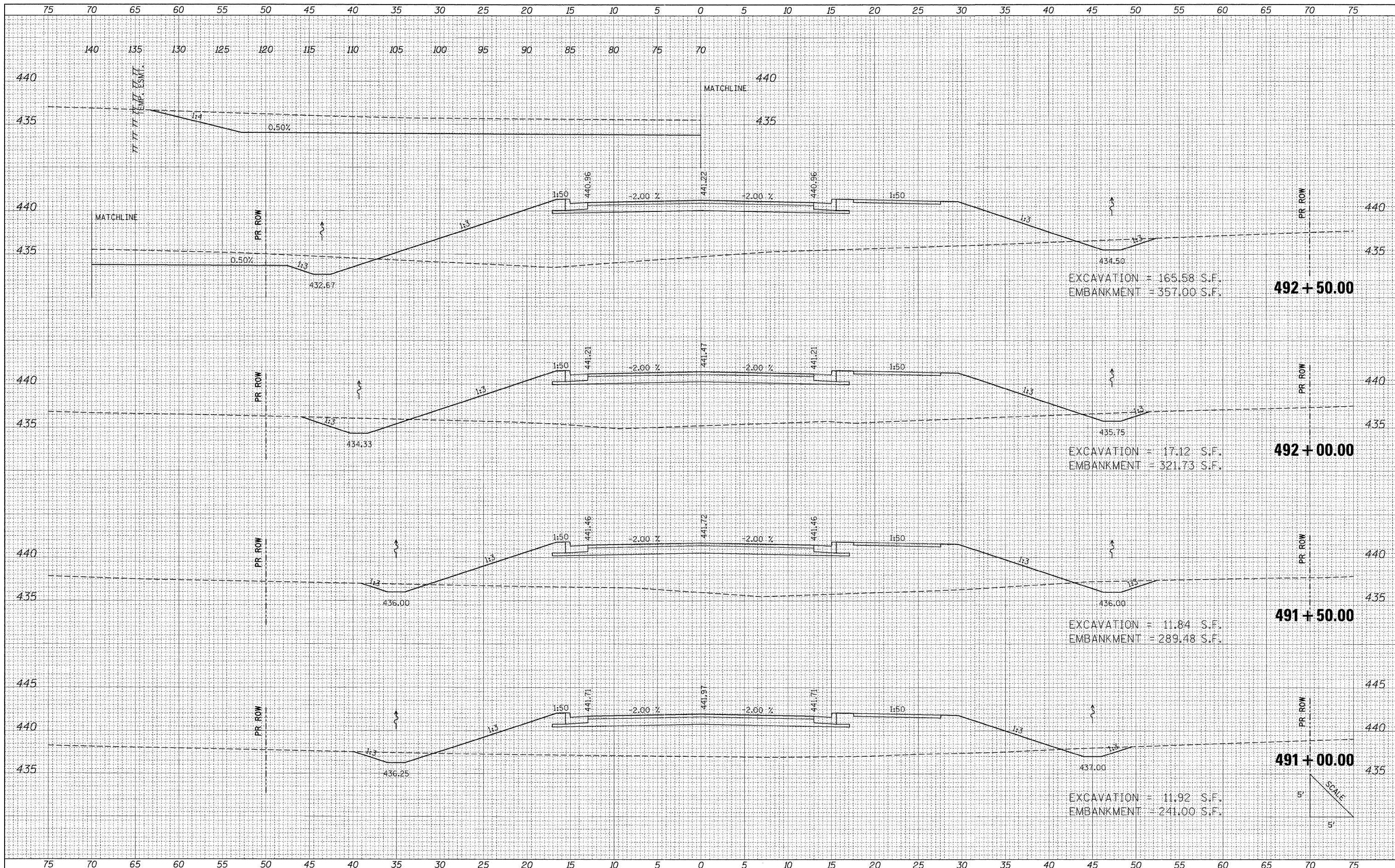
ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO.	TEMPLATE	
	AREAS CHECKED	



FILE NAME = L:\DOT\0986603\Draw\CADD_Sheets\Frontage Road	USER NAME = Brian Bond	DESIGNED - BMB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED CROSS SECTIONS FRONTAGE ROAD				F.A. RTE. 331	SECTION (1X-1) R-7	COUNTY WILLIAMSON	TOTAL SHEETS 79	SHEET NO. 64
	Contract\0986603-sht-xs\Frontage.dgn	DRAWN - RAH	REVISED -		SCALE: 1" = 20'	SHEET NO.	OF	SHEETS	STA. 487+00.00	TO STA. 488+50.00	CONTRACT NO. 78251		
	PLOT SCALE = 1/8" = 20' / IN.	CHECKED - SPH	REVISED -		ILLINOIS FED. AID PROJECT								
	PLOT DATE = 7/1/2011	DATE - 3/16/11	REVISED -										

BY	DATE
SURVEYED	
PLOTTED	
REVISIONS	
NOTE BOOK	
AREAS CHECKED	
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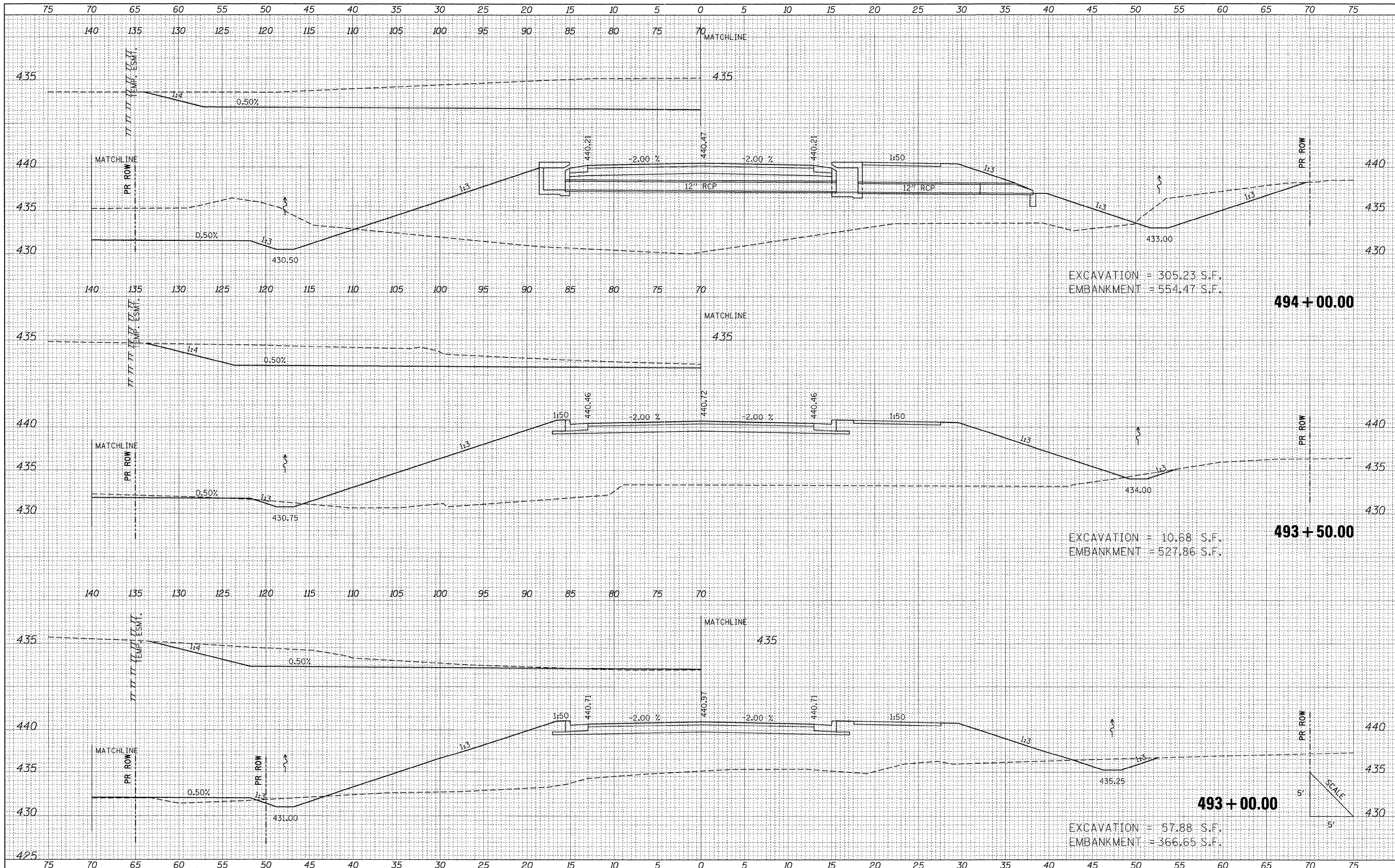
BY	DATE
SURVEYED	
PLOTTED	
REVISIONS	
NOTE BOOK	
AREAS CHECKED	
NO.	



FILE NAME =	USER NAME = Brian Bond	DESIGNED - BMB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED CROSS SECTIONS FRONTAGE ROAD		F.A. RTE. 331	SECTION (IX-1) R-7	COUNTY WILLIAMSON	TOTAL SHEETS 79	SHEET NO. 66	
I:\1001\0906603\Draw\CA00.Sheets\Frontage Road	Contract\0998859-sht-xs\Frontage.dgn	DRAWN - RAH	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA. 491+00.00 TO STA. 492+50.00	ILLINOIS FED. AID PROJECT				
	PLOT SCALE = 5.0000" / 1"	CHECKED - SPH	REVISED -									
	PLOT DATE = 3/16/2011	DATE - 3/16/11	REVISED -									

BY	DATE

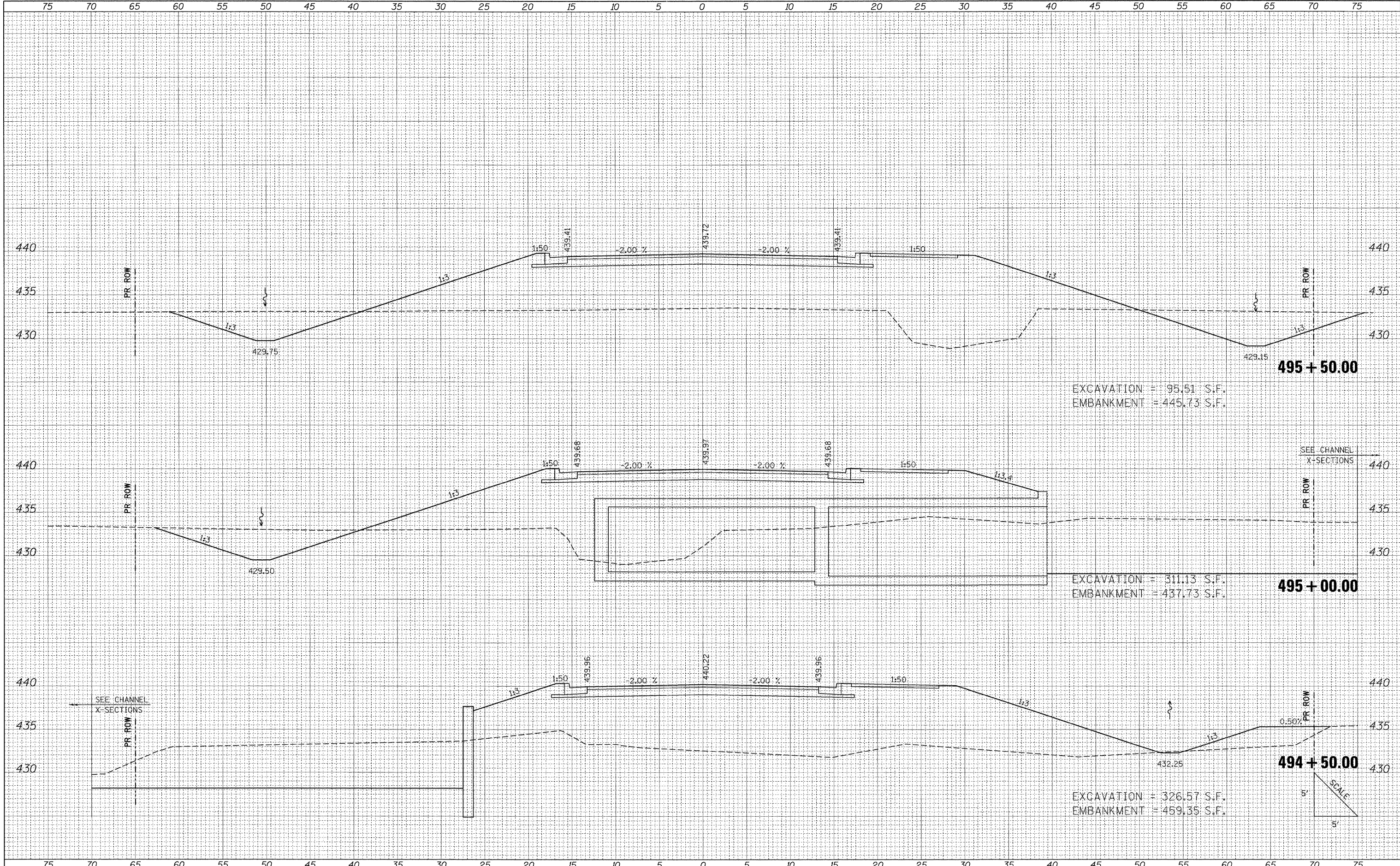
BY	DATE



FILE NAME =	USER NAME = Brian Bond	DESIGNED - BMB	REVISD -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED CROSS SECTIONS			F.A. RTE. 331	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1:\DOT\0906603\Draw\CADD_Sheets\Frontage_Road	Contract\0906603\shtr\sf\Frontage.cgn	DRAWN - RAH	REVISD -		FRONTAGE ROAD				(1X-1) R-7	WILLIAMSON	79	67
PLOT SCALE = 5.0000 "/td> <td></td> <td>CHECKED - SPH</td> <td>REVISD -</td> <td>SCALE:</td> <td>SHEET NO.</td> <td>OF SHEETS</td> <td>STA. 493+00.00 TO STA. 494+00.00</td> <td colspan="2">CONTRACT NO. 78251</td> <td></td>		CHECKED - SPH	REVISD -		SCALE:	SHEET NO.	OF SHEETS		STA. 493+00.00 TO STA. 494+00.00	CONTRACT NO. 78251		
PLOT DATE = 3/17/2011		DATE - 3/16/11	REVISD -		ILLINOIS FED. AID PROJECT							

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

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



FILE NAME = I:\1001\0906603\Draw\CADD_Sheets\Frontage Road

USER NAME = Brian Bond
 Contract\0906603-sht-xs\Frontage.dgn
 PLOT SCALE = 5.00000 "/>

DESIGNED - BMB
 DRAWN - RAH
 CHECKED - SPH
 DATE - 3/16/11

REVISED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

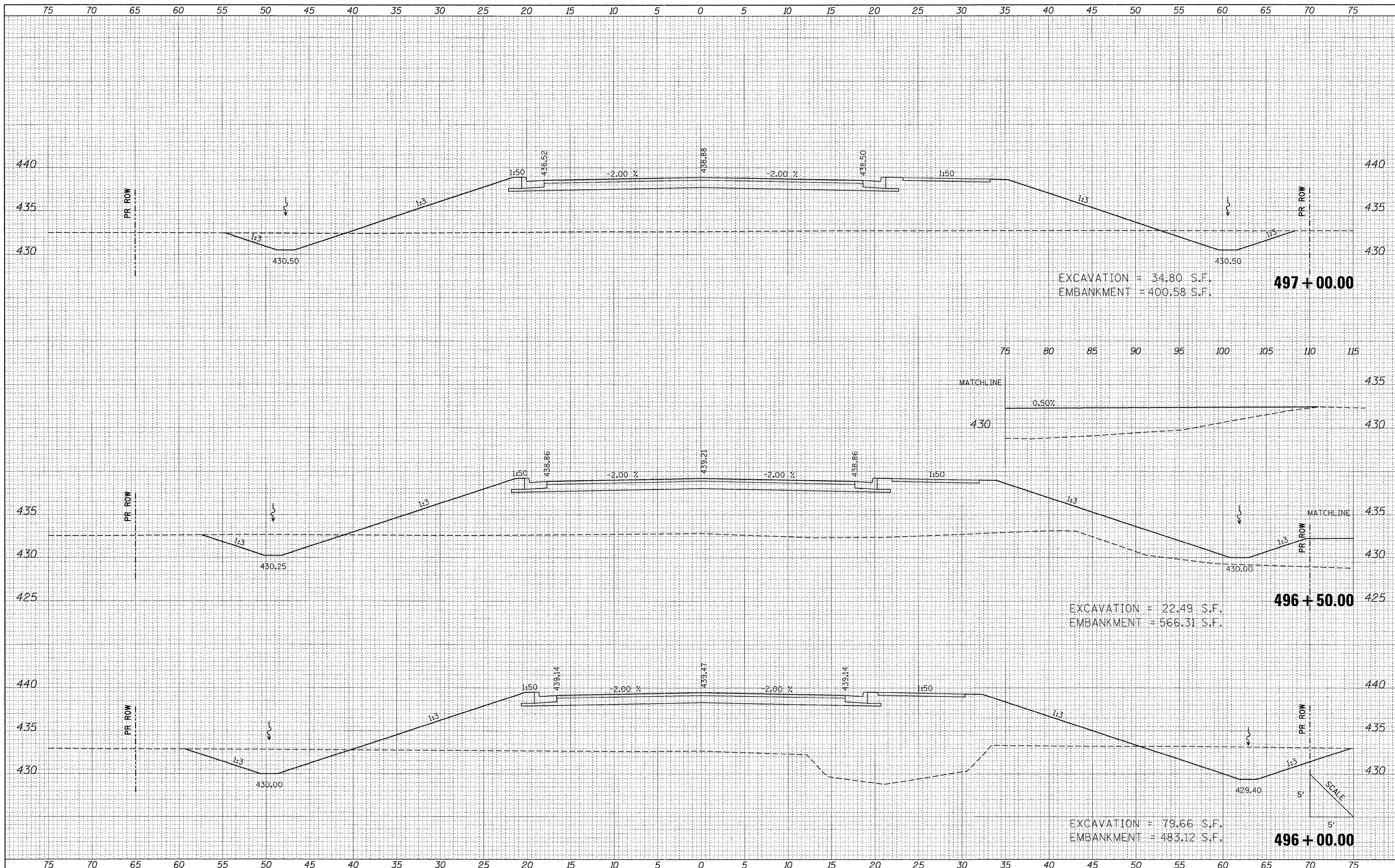
**PROPOSED CROSS SECTIONS
 FRONTAGE ROAD**

SCALE: SHEET NO. OF SHEETS STA. 494+50.00 TO STA. 495+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(IX-1) R-7	WILLIAMSON	79	68
			CONTRACT NO. 78251	
ILLINOIS FED. AID PROJECT				

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

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



FILE NAME = I:\DOT\0906603\Draw\CADD_Sheets\Frontage Road

USER NAME = Brian Bond
 Contract\0906603\Draw\CADD_Sheets\Frontage.dgn
 PLOT SCALE = 5.0000" / 1"
 PLOT DATE = 3/17/2011

DESIGNED - BMB
 DRAWN - RAH
 CHECKED - SPH
 DATE - 3/16/11

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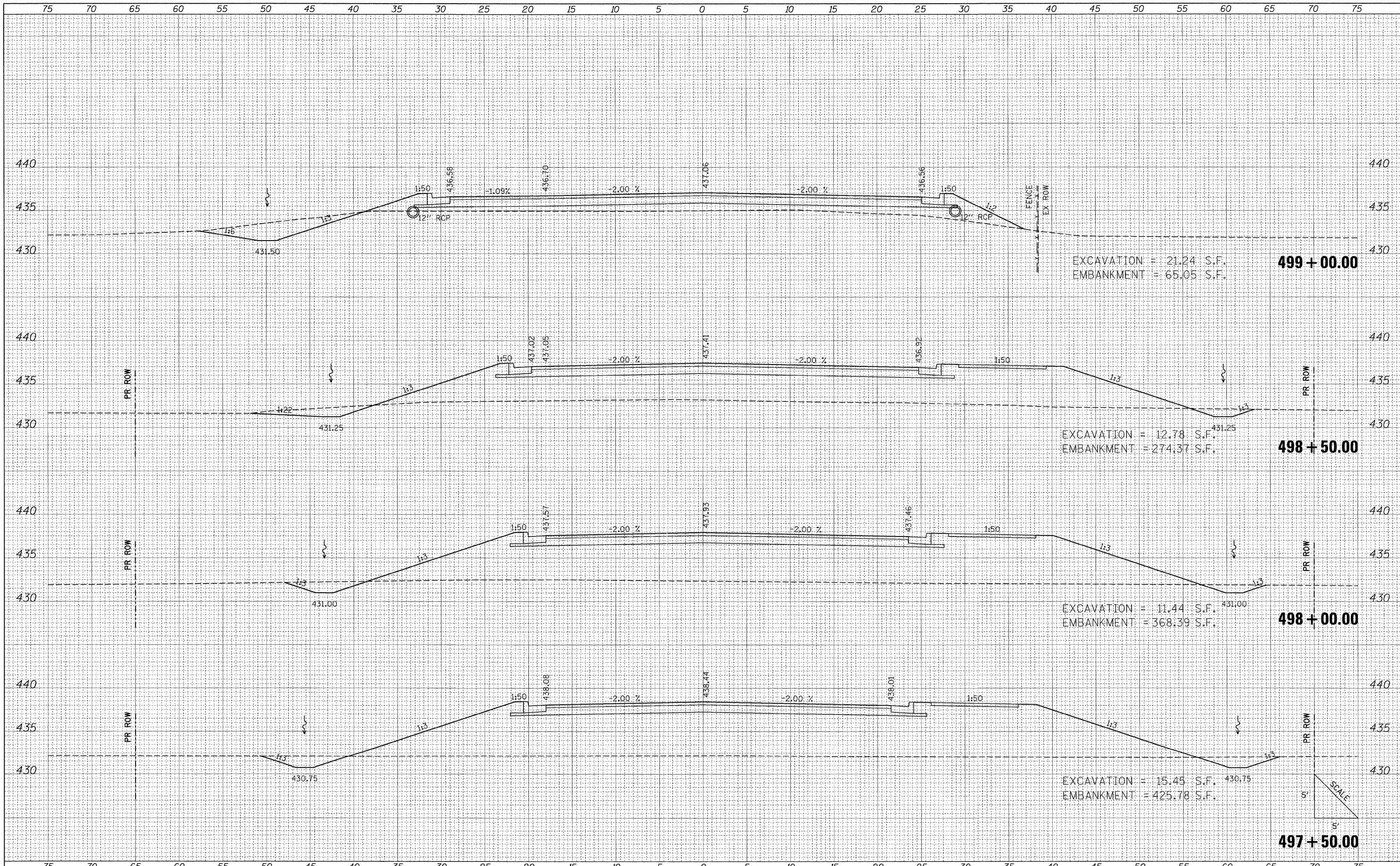
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED CROSS SECTIONS
 FRONTAGE ROAD**
 SCALE: SHEET NO. OF SHEETS STA. 496+00.00 TO STA. 497+00.00

F.A. RTE. 331	SECTION (1X-1) R-7	COUNTY WILLIAMSON	TOTAL SHEETS 79	SHEET NO. 69
ILLINOIS FED. AID PROJECT			CONTRACT NO. 78251	

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

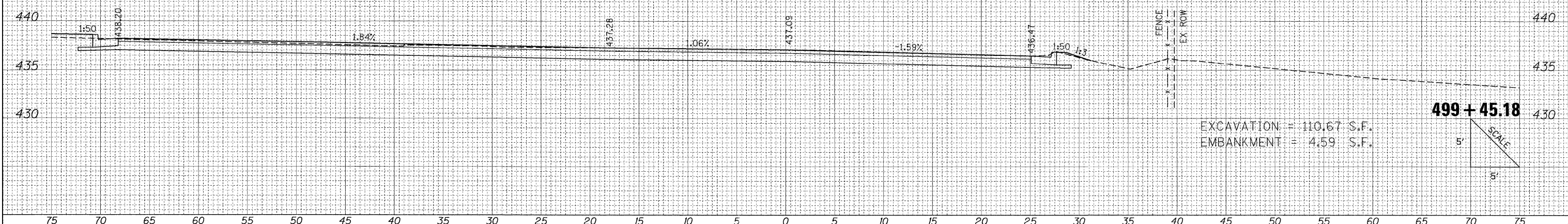


FILE NAME = I:\DOT\0906603\Draw\CADD_Sheets\Frontage Road	USER NAME = Brian Bond	DESIGNED - BMB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED CROSS SECTIONS		F.A. RTE. 331	SECTION (1X-1) R-7	COUNTY WILLIAMSON	TOTAL SHEETS 79	SHEET NO. 70
	CONTRACT \0906603\Draw\CADD_Sheets\Frontage.dgn	DRAWN - RAH	REVISED -		FRONTAGE ROAD				WILLIAMSON	CONTRACT NO. 78251	
	PLOT SCALE = 5.0000" / IN.	CHECKED - SPH	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA. 497+50.00 TO STA. 499+00.00	ILLINOIS FED. AID PROJECT			
	PLOT DATE = 3/17/2011	DATE - 3/16/11	REVISED -								

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

FINAL SURVEY	DATE
SURVEYED	BY
NOTE BOOK	
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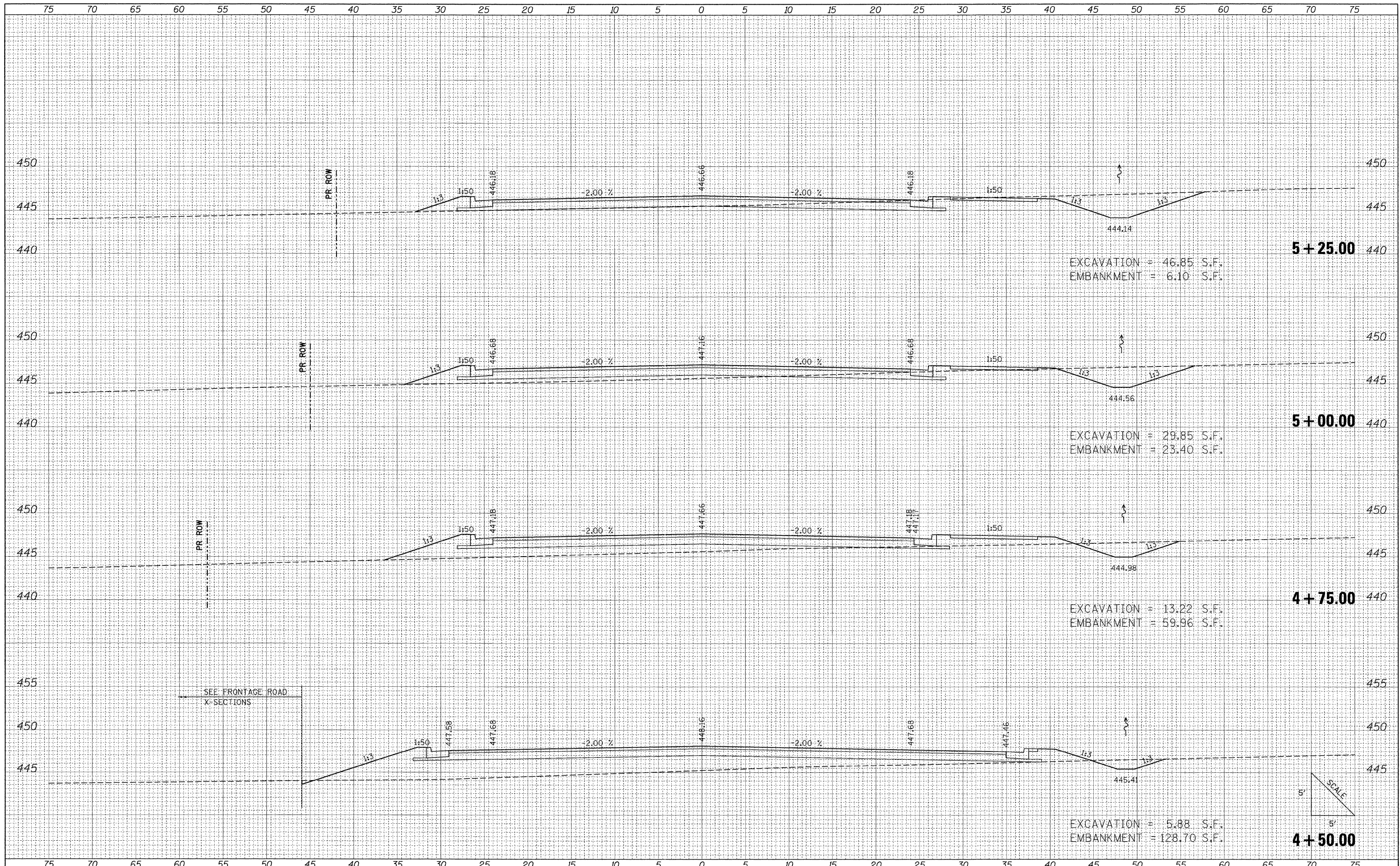
ORIGINAL SURVEY	DATE
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NOTE BOOK	
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AREAS CHECKED	
AREAS CHECKED	



FILE NAME =	USER NAME = Brian Bond	DESIGNED - BMB	REVISED -	<p align="center">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p> <p align="center">PROPOSED CROSS SECTIONS FRONTAGE ROAD</p>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I:\DOT\0906603\Draw\CA00_Sheets\Frontage Road	Contract\0998859-shitxs\Frontage.dgn	DRAWN - RAH	REVISED -		331	(IX-1) R-7	WILLIAMSON	79	71
	PLOT SCALE = 5.0000' / IN.	CHECKED - SPH	REVISED -		CONTRACT NO. 78251				
	PLOT DATE = 3/17/2011	DATE - 3/16/11	REVISED -		ILLINOIS FED. AID PROJECT				
SCALE:				SHEET NO. OF SHEETS	STA. 499+45.18 TO STA. 499+45.18				

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NOTE BOOK	
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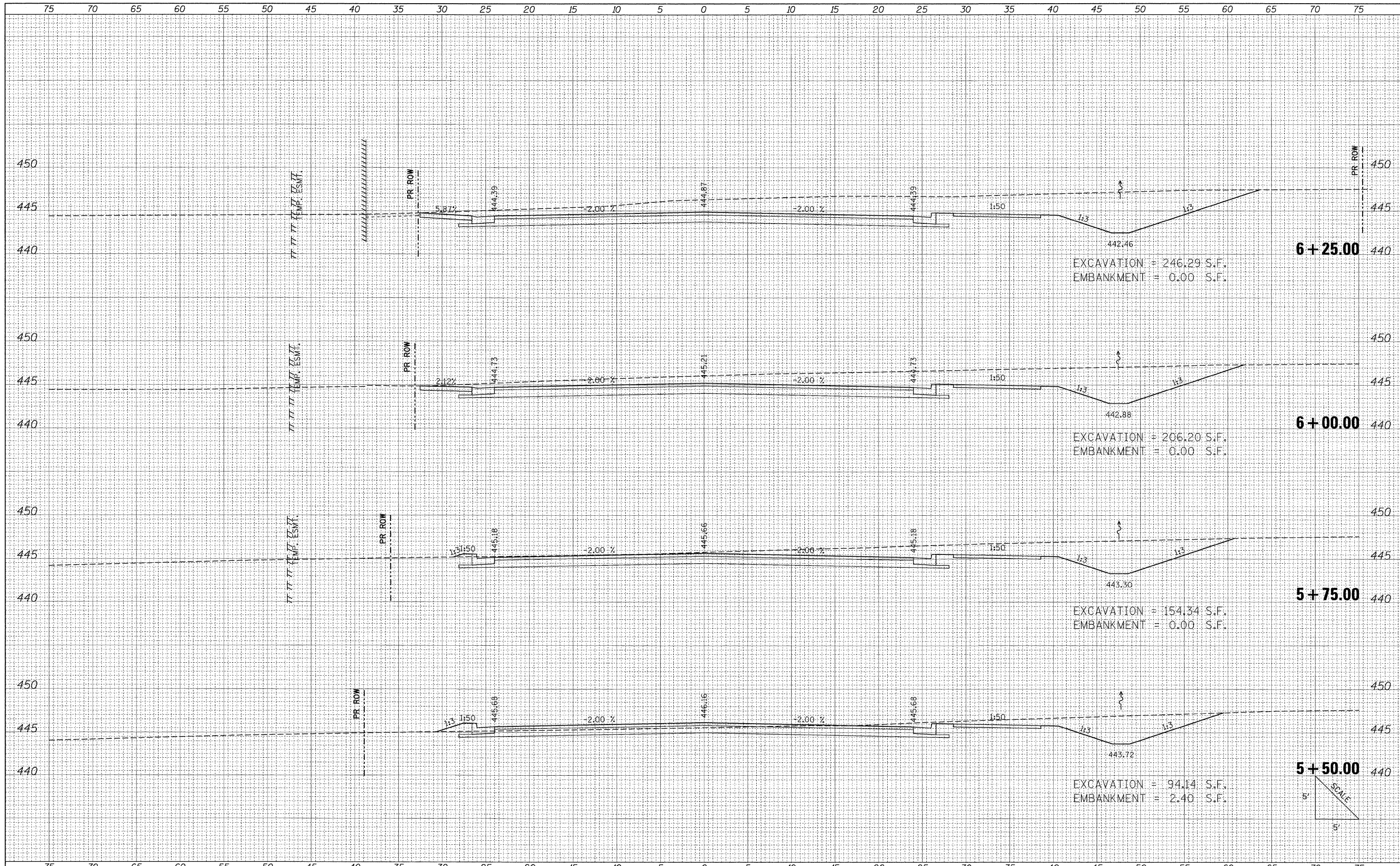
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NOTE BOOK	
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AREAS CHECKED	
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FILE NAME = I:\DOT\0906603\Draw\CADD_Sheets\Frontage Road	USER NAME = Brian Bond	DESIGNED - BMB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED CROSS SECTIONS MARATHON DRIVE			F.A. RTE. 331	SECTION (1X-1) R-7	COUNTY WILLIAMSON	TOTAL SHEETS 79	SHEET NO. 72
	Contract\0906603\Draw\CADD_Sheets\Frontage Road	DRAWN - RAH	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA. 4+50.00 TO STA. 5+25.00	CONTRACT NO. 78251				
	PLOT SCALE = 5.0000' / 1"	CHECKED - SPH	REVISED -		ILLINOIS FED. AID PROJECT							
	PLOT DATE = 3/16/2011	DATE - 3/16/11	REVISED -									

BY	DATE
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
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SURVEYED	
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TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
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FILE NAME = I:\DOT\0906603\Draw\CADD_Sheets\Frontage Road

USER NAME = Brian Bond
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 PLOT SCALE = 5.0000' / 1" / IN.
 PLOT DATE = 3/17/2011

DESIGNED - BMB
 DRAWN - RAH
 CHECKED - SPH
 DATE - 3/16/11

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

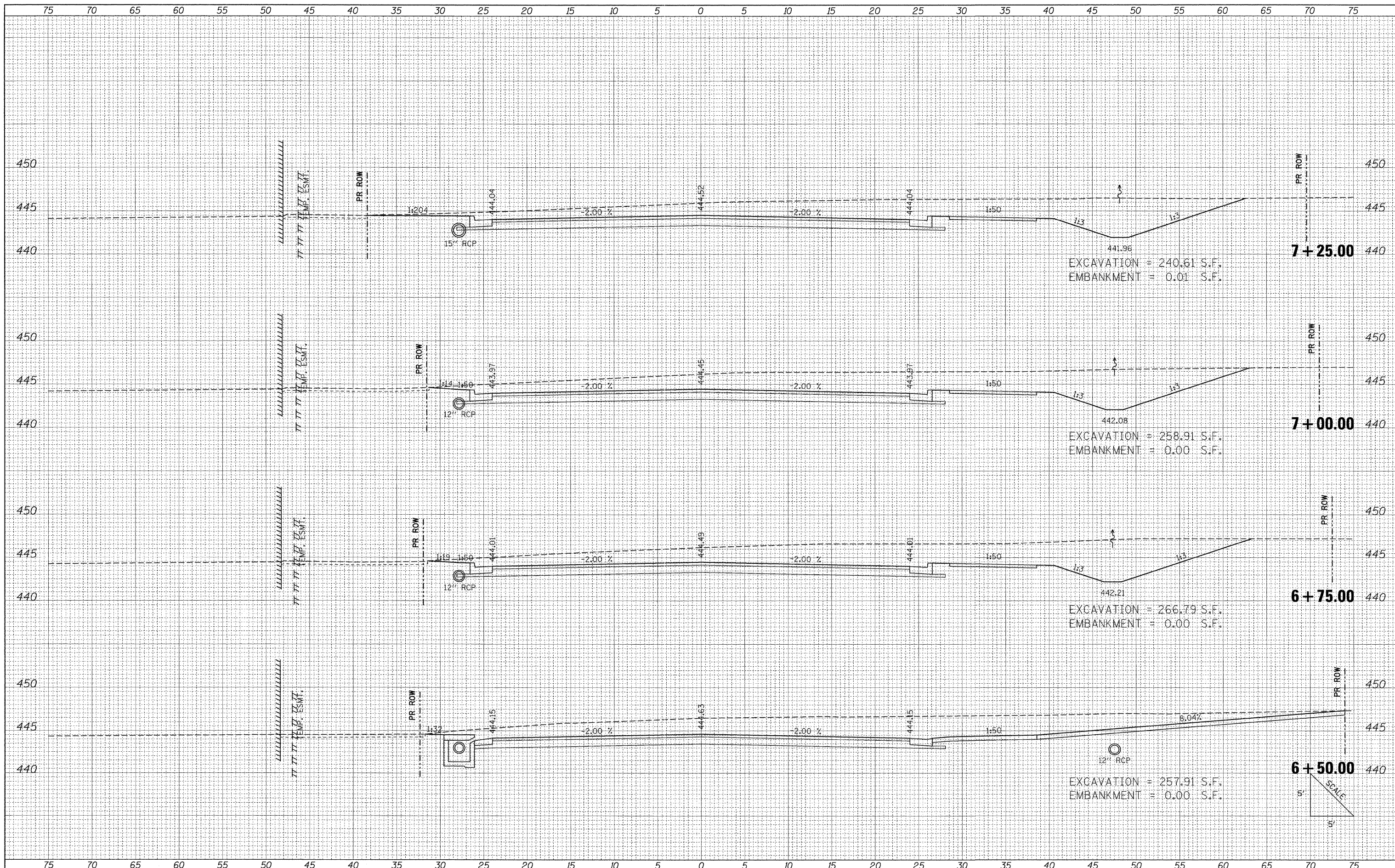
**PROPOSED CROSS SECTIONS
 MARATHON DRIVE**

SCALE: SHEET NO. OF SHEETS STA. 5+50.00 TO STA. 6+25.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1X-1) R-7	WILLIAMSON	79	73
CONTRACT NO. 78251			ILLINOIS FED. AID PROJECT	

BY	DATE
SURVEYED	
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NOTE BOOK	
AREAS CHECKED	
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BY	DATE
SURVEYED	
PLOTTED	
EMPAVE	
NOTE BOOK	
AREAS CHECKED	
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USER NAME = Brian Bond
 Contract\0998859-shr\Marathon.dgn
 PLOT SCALE = 5.0000" / IN.
 PLOT DATE = 3/17/2011

DESIGNED - BMB
 DRAWN - RAH
 CHECKED - SPH
 DATE - 3/16/11

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

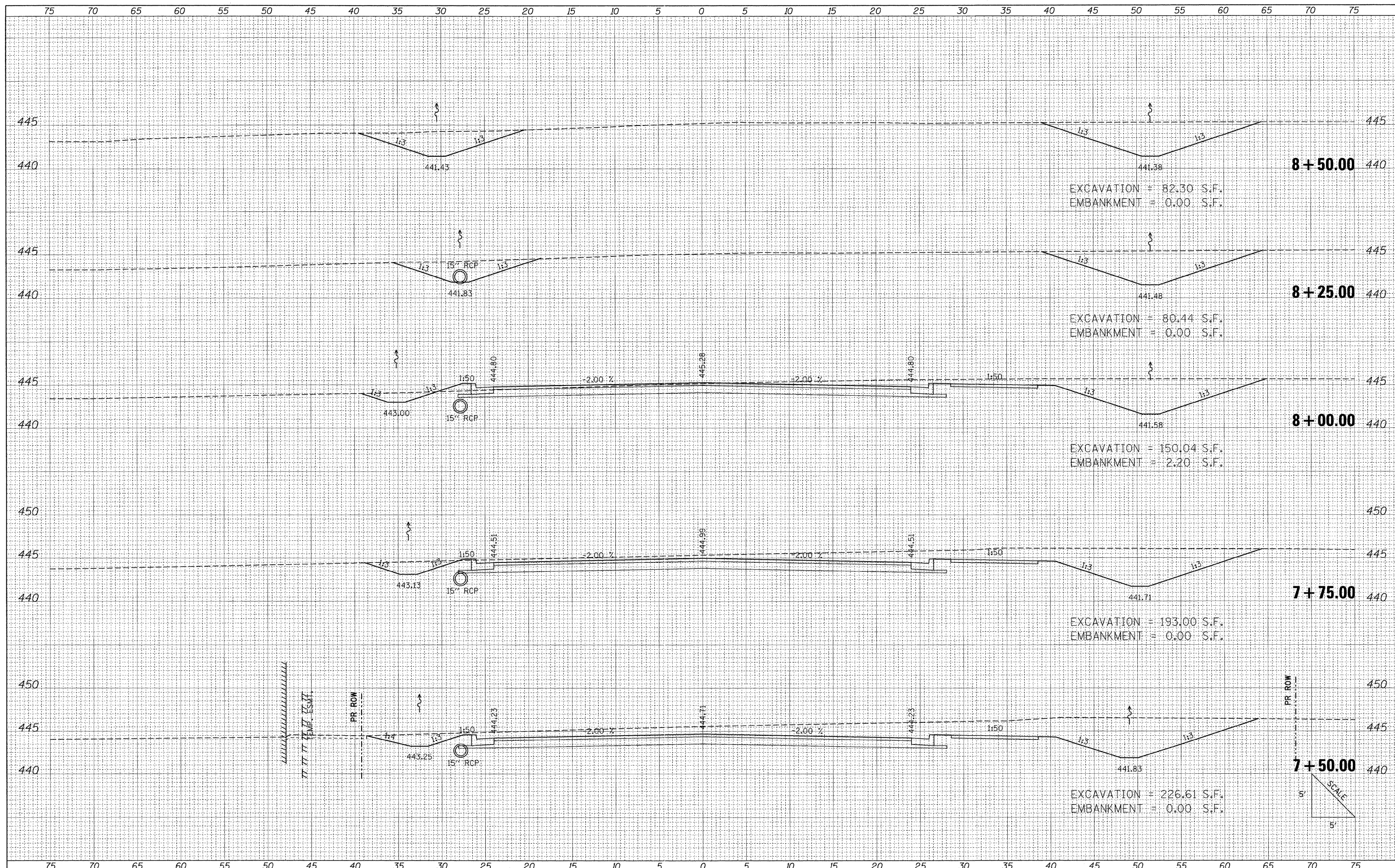
**PROPOSED CROSS SECTIONS
 MARATHON DRIVE**

SCALE: SHEET NO. OF SHEETS STA. 6+50.00 TO STA. 7+25.00

F.A. RTE. 331	SECTION (1X-1) R-7	COUNTY WILLIAMSON	TOTAL SHEETS 79	SHEET NO. 74
ILLINOIS FED. AID PROJECT			CONTRACT NO. 78251	

DATE	
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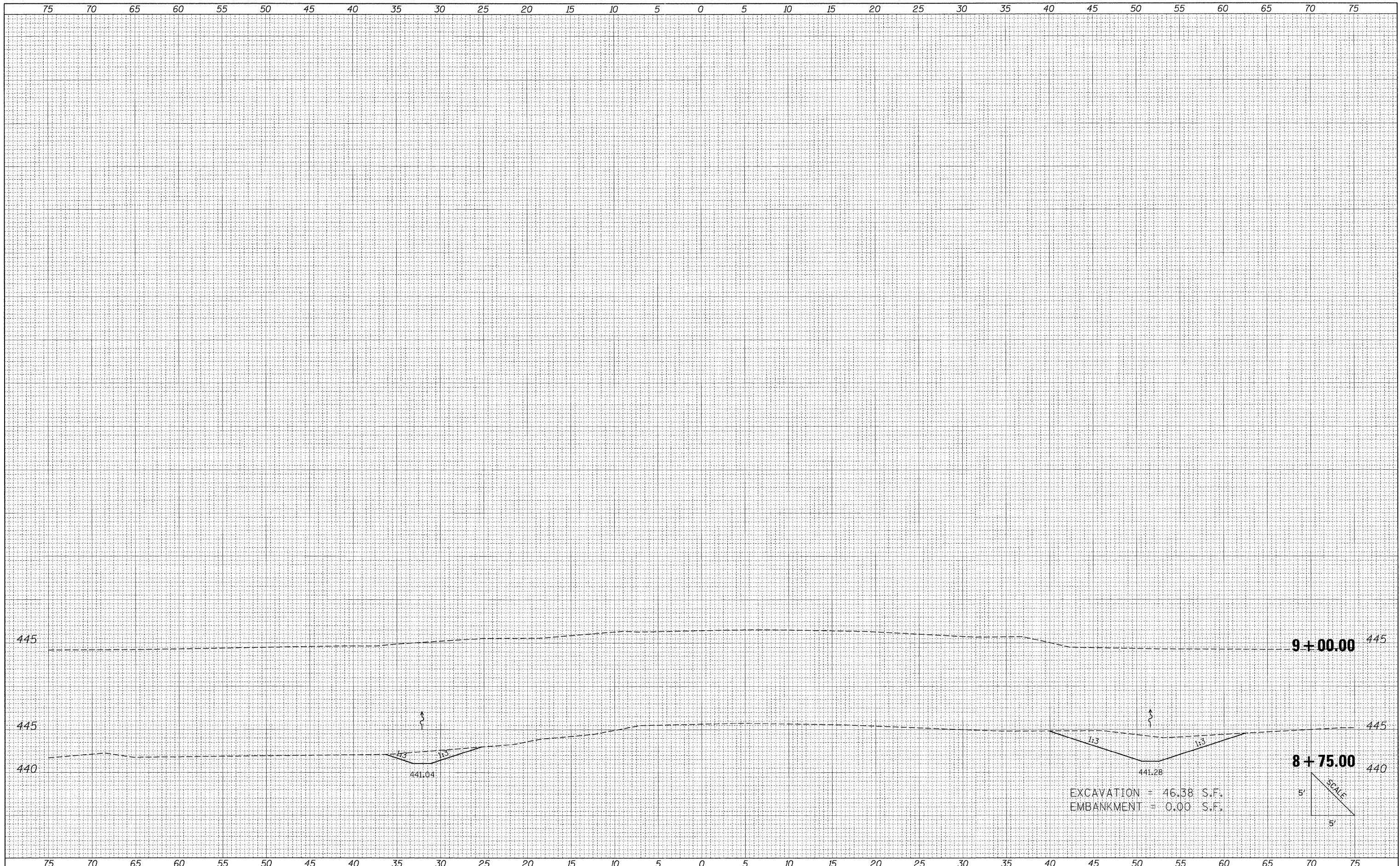
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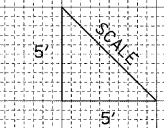
FILE NAME = L:\DOT\0906603\Draw\CADD_Sheets\Frontage Road	USER NAME = Brian Bond	DESIGNED - BMB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED CROSS SECTIONS MARATHON DRIVE		F.A. RTE. 331	SECTION (1X-1) R-7	COUNTY WILLIAMSON	TOTAL SHEETS 79	SHEET NO. 75	
	Contract\0906603\Draw\CADD_Sheets\Frontage Road	DRAWN - RAH	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA. 7+50.00 TO STA. 8+50.00	ILLINOIS FED. AID PROJECT				
	PLOT SCALE = 5.0000' / IN.	CHECKED - SPH	REVISED -									
	PLOT DATE = 3/22/2011	DATE - 3/16/11	REVISED -									

DATE	
BY	
FINISHED SURVEY	
NOTED SURVEY	
NOTE BOOK	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
NOTED SURVEY	
NOTE BOOK	
NO.	



EXCAVATION = 46.38 S.F.
 EMBANKMENT = 0.00 S.F.



FILE NAME = I:\DOT\0906603\Draw\CADD_Sheets\Frontage Road

USER NAME = Brian Bond
 Contract\0906603\sh-x\Marathon.dgn
 PLOT SCALE = 5.0000 1/ IN.
 PLOT DATE = 3/17/2011

DESIGNED - BMB
 DRAWN - RAH
 CHECKED - SPH
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

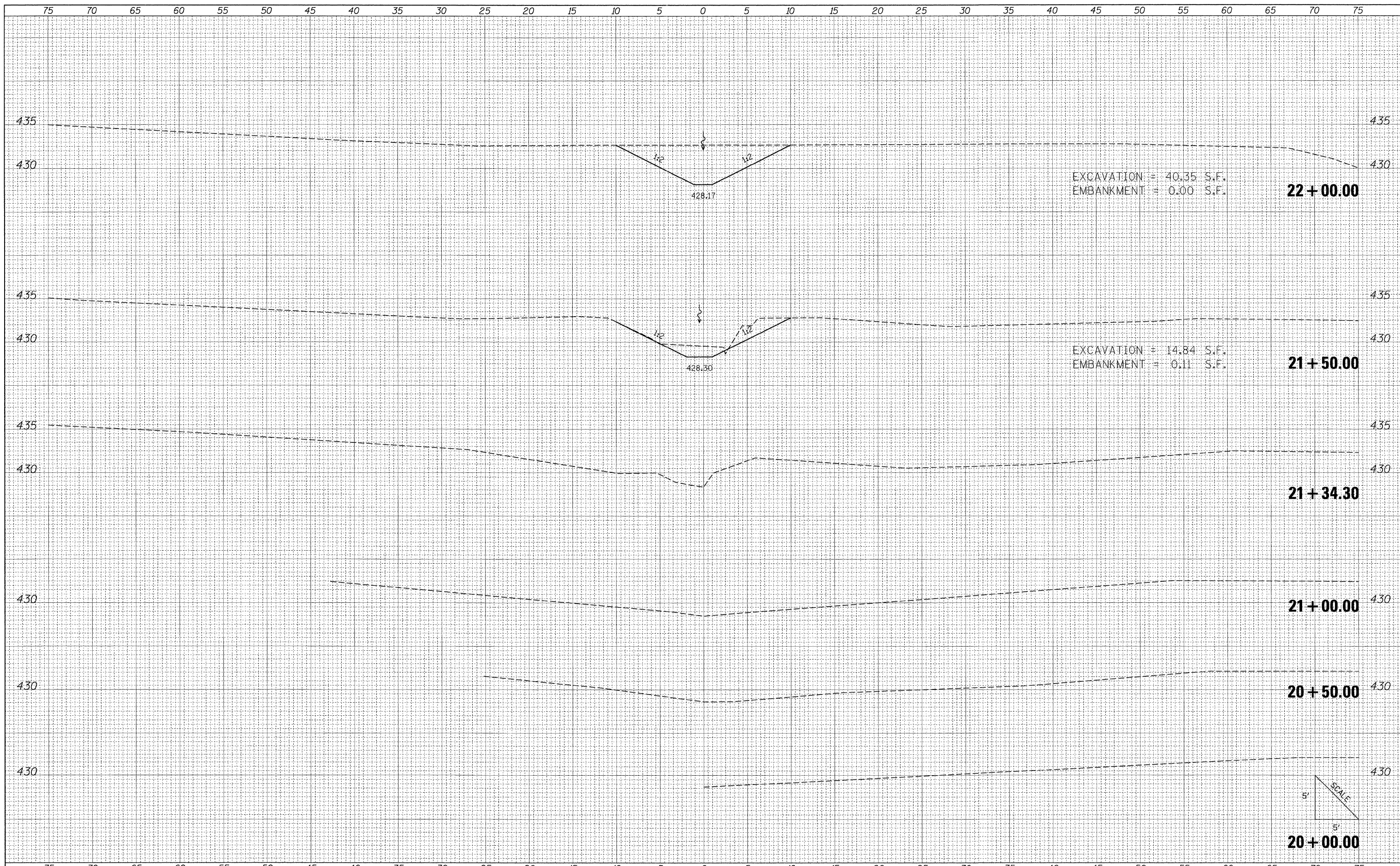
**PROPOSED CROSS SECTIONS
 MARATHON DRIVE**

SCALE: SHEET NO. OF SHEETS STA. 8+75.00 TO STA. 9+00.00

F.A. RTE. 331	SECTION (1X-1) R-7	COUNTY WILLIAMSON	TOTAL SHEETS 79	SHEET NO. 76
ILLINOIS FED. AID PROJECT			CONTRACT NO. 78251	

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

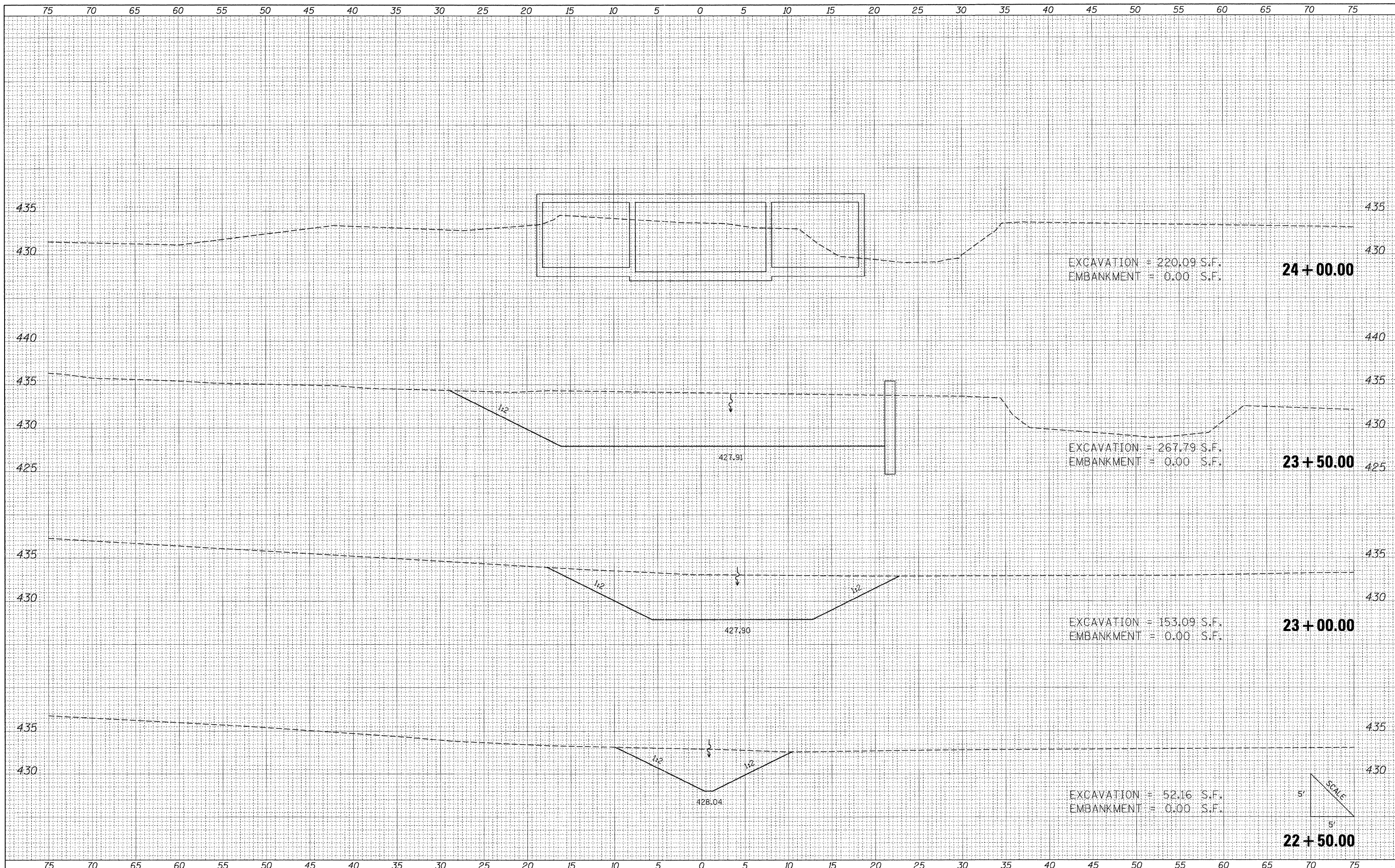
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NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED



FILE NAME =	USER NAME = Brian Bond	DESIGNED - BMB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED CROSS SECTIONS FRONTAGE ROAD CHANNEL REALIGNMENT			F.A. RTE. 331	SECTION (1X-1) R-7	COUNTY WILLIAMSON	TOTAL SHEETS 79	SHEET NO. 77
I:\dot\8\06603\draw\CADD_Sheets\Frontage Road	Contract\0998859-sht-xscChannel.Final.dgn	DRAWN - RAH	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA. 20+00.00	TO STA. 22+00.00	ILLINOIS FED. AID PROJECT		
		CHECKED - SPH	REVISED -									
		DATE - 3/16/11	REVISED -									

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FINAL SURVEY	
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NOTE BOOK	
REVISIONS	
AREAS CHECKED	
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ORIGINAL SURVEY	
SURVEYED	
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NOTE BOOK	
REVISIONS	
AREAS CHECKED	
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FILE NAME =
 I:\dot\0906603\draw\CADD_Sheets\Frontage Road

USER NAME = Brian Bond
 Contract\0906603\shd\isc\Channel_Final.dgn
 PLOT SCALE = 5.0000 / IN.
 PLOT DATE = 3/17/2011

DESIGNED - BMB
 DRAWN - RAH
 CHECKED - SPH
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

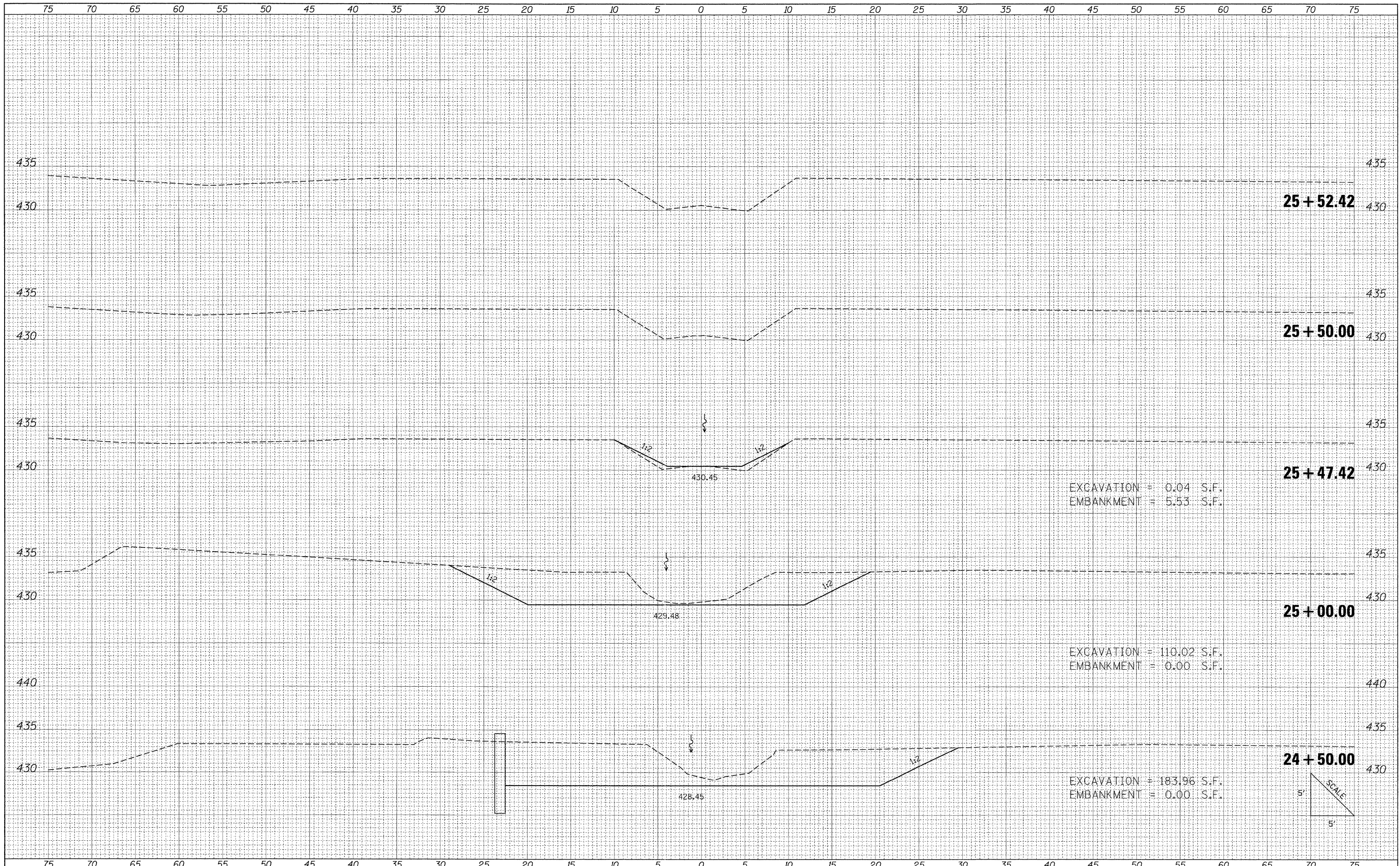
**PROPOSED CROSS SECTIONS
 FRONTAGE ROAD CHANNEL REALIGNMENT**

SCALE: SHEET NO. OF SHEETS STA. 22+50.00 TO STA. 24+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1X-1) R-7	WILLIAMSON	79	78
			CONTRACT NO. 78251	
ILLINOIS FED. AID PROJECT				

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

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



EXCAVATION = 0.04 S.F.
EMBANKMENT = 5.53 S.F.

EXCAVATION = 110.02 S.F.
EMBANKMENT = 0.00 S.F.

EXCAVATION = 183.96 S.F.
EMBANKMENT = 0.00 S.F.

FILE NAME = I:\dot\0906603\draw\CADD\Sheets\Frontage Road

USER NAME = Brian Bond
Contract\0906603-sht-xscChannel.Final.dgn
PLOT SCALE = 5.00000' / IN.
PLOT DATE = 3/17/2011

DESIGNED - BMB
DRAWN - RAH
CHECKED - SPH
DATE - 3/16/11

REVISED -
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REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED CROSS SECTIONS
FRONTAGE ROAD CHANNEL REALIGNMENT**

SCALE: SHEET NO. OF SHEETS STA. 24+50.00 TO STA. 25+52.42

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1X-1) R-7	WILLIAMSON	79	79
ILLINOIS FED. AID PROJECT			CONTRACT NO. 78251	