

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

**PROPOSED  
HIGHWAY PLANS**

FAP ROUTE 331 (IL 13)  
SECTION (1-4)R-6  
PROJECT ACNHPP-0331(073)  
FRONTAGE ROAD  
WILLIAMSON COUNTY

C-99-017-15

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-4)R-6	WILLIAMSON	120	1
		ILLINOIS	CONTRACT NO. 78452	

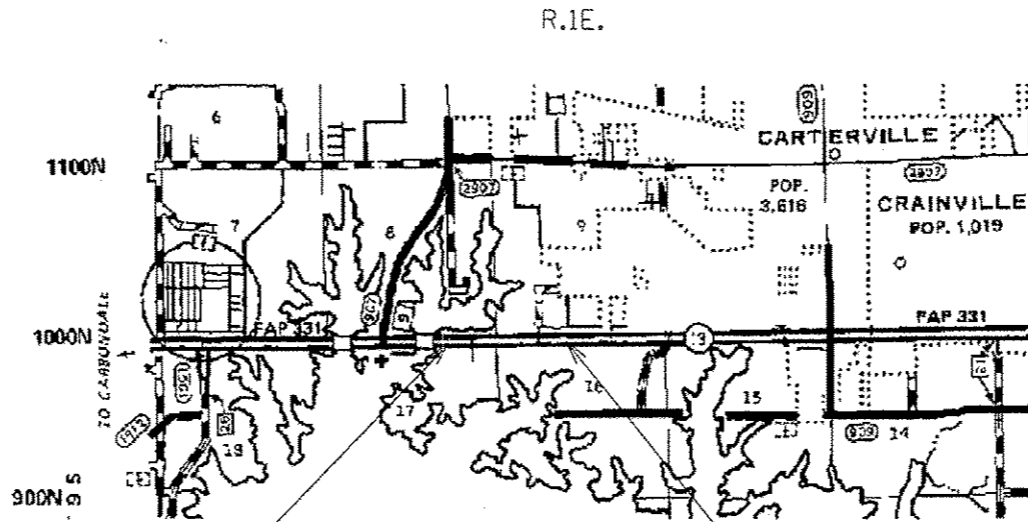
FOR INDEX OF SHEETS, SEE SHEET NO. 3

TRAFFIC DATA

FRONTAGE ROAD TRAFFIC DATA  
2003 ADT = 675 WITH 52% TRUCKS  
2016 ADT = 770 WITH 52% TRUCKS  
2036 ADT = 940 WITH 52% TRUCKS

TOWNSHIP

CARTERVILLE



PROJECT BEGINS  
EB IL 13  
STA. 342+00

PROJECT ENDS  
EB IL 13  
STA. 414+00

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

PROJECT ENGINEER: CHARLES STEIN  
PROJECT DESIGNER: BRANDY MAES  
618-351-5210  
CONTRACT NO. 78452

GROSS LENGTH = 7,200 FT. = 1.36 MILE  
NET LENGTH = 7,200 FT. = 1.36 MILE

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED March 15 2016

Jeffrey Z Keen  
REGION FIVE ENGINEER

May 6 2016  
Maureen M. Addis PE  
acting ENGINEER OF DESIGN AND ENVIRONMENT

May 6 2016  
Andrew D. [Signature]  
DIRECTOR OF PROGRAM DEVELOPMENT

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DISTRICT PROJECT IMPLEMENTATION ENGINEER

Examined By:

*[Signature]*  
DISTRICT CONSTRUCTION ENGINEER

Examined By:

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DISTRICT MATERIALS ENGINEER

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		CHECKED	REVISED
		DATE	REVISED

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SIGNATURE SHEET**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-4) R-6	WILLIAMSON	120	2
CONTRACT NO. 78452				
ILLINOIS FED. AID PROJECT				

INDEX OF SHEETS

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MIX DESIGN

Locations	Hot-Mix Asphalt Binder Course, HMA Widening, and HMA Shoulders ( Lower Lifts)
Mixture Use(s):	Hot-Mix Asphalt Binder Course, N70,
AC/PG:	PG64-22
ABR % (Max):	See Special Provision
Design Air Voids:	4.0 %, 70 Gyration Design
Mixture (Gradation)	IL-19.0 mm
Friction	None
Quality	QCOA
Program:	

Locations	Hot-Mix Asphalt Surface Course, HMA Shoulders (Top Lift)
Mixture Use(s):	Hot-Mix Asphalt Surface Course, Mix C, N70
AC/PG:	PG64-22
ABR % (Max):	See Special Provision
Design Air Voids:	4.0 %, 70 Gyration Design
Mixture (Gradation)	IL-9.5 mm
Friction	C Surface
Quality	QCOA
Program:	

HIGHWAY STANDARDS

000001-06	Standard Symbols, Abbreviations and Patterns
001001-02	Areas of Reinforcement Bars
280001-07	Temporary Erosion Control Systems
420001-08	Pavement Joints
420106-05	36" (10.8 m) Jointed PCC Pavement
482001-02	HMA Shoulder Adjacent to Flexible Pavement
482011-03	HMA Shld. Strips/Shlds. with Resurfacing or Widening and Resurfacing Projects
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542301-03	Precast Reinforced Concrete Flared End Section
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542546-01	Flush Inlet Box for Median
542606-02	Reinforced Concrete Pipe Tee
606001-06	Concrete Curb Type B and Combination Concrete Curb and Gutter
630001-10	Steel Plate Beam Guardrail
630301-06	Shoulder Widening for Type 1 (Special) Guardrail Terminals
631011-09	Traffic Barrier Terminal, Type 2
725001	Object and Terminal Markers
782006	Guardrail and Barrier Wall Reflector Mounting Details
701001-02	Off-Road Operations, 2L, 2W, More Than 15' (4.5 m) Away
701006-05	Off-Road Operations, 2L, 2W, 15' (4.5 m) to 24' (600 mm) From Pavement Edge
701101-05	Off-Road Operations, Multilane, 15' (4.5 m) to 24' (600 mm) From Pavement Edge
701106-02	Off-Road Operations, Multilane, More Than 15' (4.5 m) Away
701311-03	Lane Closure, 2L, 2W, Moving Operations - Day Only
701422-08	Lane Closure, Multilane, for Speeds > 45 MPH to 55 MPH
701428-01	Traffic Control, Setup and Removal, Freeway/Expressway
701501-06	Urban Lane Closure, 2L, 2W, Undivided
701701-10	Urban Lane Closure, Multilane Intersection
701901-05	Traffic Control Devices
720001-01	Sign Panel Mounting Details
720006-04	Sign Panel Erection Details
720011-01	Metal Posts for Signs, Markers and Delineators
720016-03	Mast Arm Mounted Street Name Signs
729001-01	Applications of Types A and B Metal Posts (For Signs & Markers)
780001-05	Typical Pavement Markings
781001-04	Typical Applications Raised Reflective Pavement Markers
821101-01	Luminaire Wiring Diagram
<del>825011-03</del>	<del>Lighting Controller, Pedestal Mounted, 240V</del>
830001-03	Light Pole Aluminum Mast Arm
836001-02	Light Pole Foundation
838001	Breakaway Devices
857001-01	Standard Phase Designation Diagrams and Phase Sequences
873001-02	Traffic Signal Grounding & Bonding
877011-06	Steel Combination Mast Arm Assembly and Pole 16' Through 55'
878001-10	Concrete Foundation Details
880006-01	Traffic Signal Mounting Details
886001-01	Detector Loop Installations
886006-01	Typical Layout for Detection Loops

FILE NAME =	USER NAME = masbl	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>INDEX OF SHEETS, MIX DESIGN &amp; HIGHWAY STANDARDS</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ph:\IL284EBID\INTEG.illinois.gov\PIDOT\0a	Documents\DOT Offices\District 9\Projects\13_	DRAWN=masbl	REVISION=masbl			331	(1-4) R-6	WILLIAMSON	120	3	
	PLOT SCALE = 1/8" = 1' in.	CHECKED -	REVISED -			CONTRACT NO. 78452					
Default	PLOT DATE = 3/18/2016	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

REV.

GENERAL NOTES

FACTORS USED FOR ESTIMATING PLAN QUANTITIES ARE AS FOLLOWS AND SHALL NOT BE USED FOR THE BASIS OF FINAL QUANTITIES:

ALL HOT-MIX ASPHALT CONCRETE	2.016 TONS/CU. YD.
ALL AGGREGATE	2.05 TONS/CU. YD.
RIPRAP	1.50 TONS/CU. YD.
LIME	6% OF EARTH
EARTH	110 LB/CU FT

THE CONTRACTOR SHALL STAMP STATIONING IN THE PROPOSED HOT-MIX ASPHALT SURFACE AT 300 FT. INTERVALS ON ALTERNATING SIDES OF THE PAVEMENT AND AS DIRECTED BY THE ENGINEER. THE STATION SYMBOL STAMPS USED SHALL BE FURNISHED BY THE CONTRACTOR. THEY SHALL BE 5 1/2 IN. TALL OF A DESIGN APPROVED BY THE ENGINEER, AND SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

SAW CUTS REQUIRED FOR BUTT JOINTS SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE BUTT JOINT.

PROTECTIVE COAT SHALL BE APPLIED TO PCC PAVEMENT AND CONCRETE CURB AND GUTTER AS NEEDED ACCORDING TO THE SEASONAL REQUIREMENTS FOR ARTICLE 420.18 OF THE STANDARD SPECIFICATIONS.

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.

STONE RIPRAP USED IN DITCHES SHOULD BE PLACED IMMEDIATELY UPON COMPLETION OF EARTHWORK AND GRADING IN ORDER TO PREVENT EROSION.

IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO REMOVE ANY DEBRIS OR DIRT CAUSED BY CONSTRUCTION ACTIVITY THAT COVERS THE NEW RIPRAP AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

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 AS DIRECTED BY THE ENGINEER. GENERALLY, TREES OUTSIDE THE CLEAR ZONE, OR PERMIT EASEMENTS, AND WHICH DO NOT INTERFERE WITH CONSTRUCTION, SHALL NOT BE DISTURBED.

AT ALL LOCATIONS WHERE THE PROPOSED HOT MIX ASPHALT OR CONCRETE PAVEMENT JOINS AN EXISTING HOT MIX ASPHALT OR CONCRETE PAVEMENT, A FULL DEPTH SAWED JOINT SHALL BE CONSTRUCTED. THE COST OF THIS JOINT WILL BE INCLUDED IN THE COST OF THE TYPE OF PAVEMENT BEING CONSTRUCTED.

PRIOR TO PLACEMENT OF THE FINAL PAVEMENT MARKINGS THE RESIDENT ENGINEER SHALL CONTACT THE BUREAU OF OPERATIONS AND ARRANGE FOR INSPECTION AND APPROVAL OF THE PAVEMENT MARKING LAYOUT.

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 NOR PAID FOR SEPARATELY.

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.

CABLE QUANTITIES ARE MEASURED IN PLAN VIEW.

ALL ELECTRIC CABLE AND CONDUIT QUANTITIES ARE ROUNDED UP TO THE NEAREST FOOT.

THE FURNISHING AND INSTALLATION OF THE 1 1/4 IN. CONDUIT WITH ITS TRENCHING AND BACKFILL FROM THE LOOP SAWCUT TO THE SPLICE POINT SHALL BE INCLUDED IN THE LOOP INSTALLATION UNLESS SHOWN OTHERWISE ON THE PLANS.

THE INDUCTION LOOP WIRE AND LEAD-IN WIRE SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATION.

DETECTOR LOOPS SHALL BE INSTALLED PRIOR TO FINAL SURFACE INSTALLATION. ALL DETECTOR LOOP CORNERS SHALL BE CORE DRILLED 2 IN. MINIMUM DIAMETER EXCEPT THOSE PLACED UNDER RESURFACING. THE DETECTOR LOOP CORNERS PLACED UNDER RESURFACING SHALL BE DIAGONALLY SAWCUT.

IN AREAS WHERE MULTIPLE RUNS OF PARALLEL CONDUIT ARE IN THE SAME LOCATION, TRENCH AND BACKFILL WILL ONLY BE PAID FOR ONCE.

ALL NON-ESSENTIAL ELECTRIC CABLE SHALL BE REMOVED FROM EXISTING CONDUIT THAT IS TO BE REUSED FOR INSTALLATION OF PROPOSED ELECTRIC CABLE. THIS WORK WILL BE CONSIDERED INCLUDED IN THE PROPOSED ELECTRIC CABLE PAY ITEM.

SHIELDED CABLE TO LOOP LEADS SHALL BE GROUNDED AT THE CONTROLLER TERMINAL ONLY.

THE LIGHT POLES SHALL BE SIGNED WITH THE POLE NUMBER AS SHOWN ON THE WIRING DIAGRAM.

SAWED SLOTS FOR TWISTED PAIR ELECTRIC CABLES SHALL BE LARGER THAN SINGLE CONDUCTOR LOOP SLOTS.

THE FINAL LOCATION OF THE DETECTOR LOOPS AND TRAFFIC SIGNAL FOUNDATIONS SHALL BE APPROVED BY THE BUREAU OF OPERATIONS BEFORE INSTALLATION.

THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF TRAFFIC OPERATIONS 72 HOURS PRIOR TO THE SHUT-DOWN OR CUTTING OF EXISTING DETECTOR LOOPS.

ALL PROPOSED MAST ARMS SHALL BE LOCATED NO CLOSER THAN 6 FT. FROM FACE OF CURB TO CENTER OF POLE; ALL PROPOSED TRAFFIC SIGNAL POSTS WILL BE LOCATED NO CLOSER THAN 4 1/2 FT. FROM FACE OF CURB TO CENTER OF POST (UNLESS APPROVED BY TRAFFIC OPERATIONS).

PROPOSED LIGHT POLE FOUNDATIONS SHALL BE INSTALLED LEVEL PER SECTION 836.

THE TRAFFIC OPERATIONS ENGINEER SHALL BE NOTIFIED PRIOR TO CONSTRUCTION OF MAST ARM AND CONTROLLER FOUNDATIONS, HANDHOLES, AND GULFBOX JUNCTIONS AND SHALL APPROVE THE LOCATIONS OF EACH AND MAY ADJUST TO FIT FIELD CONDITIONS IF NECESSARY.  
NO POLE TO BE INSTALLED IN THE FLOWLINE OF DITCH.

FILE NAME p:\125468\BID\INTEG\Illinois.gov\PI007\Documents\DOT Offices\District 9\Projects\13.0\DRAWN\178452\CADDData\CAD\sheet178	USER NAME mosebl	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES	F.A.P. RTE. 351	SECTION (1-4) R-6	COUNTY WILLIAMSON	TOTAL SHEETS 120	SHEET NO. 4
	PLOT SCALE 1/8" = 1'-0"	CHECKED -	REVISED -			SCALE:	SHEET OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT CONTRACT NO. 78452	
Default	PLOT DATE 3/18/2016	DATE -	REVISED -							



## DROP-OFF PROTECTION BETWEEN TRAVEL LANE AND SHOULDER / EDGE OF PAVEMENT

## COMMITMENTS

DROP-OFF LOCATION	NORMAL POSTED SPEED	DROP-OFF HEIGHT (X) AND TYPE	TREATMENT REQUIRED
≤ 3 FT <sup>(1)(2)</sup>	ALL	≤ 1 IN	NONE
		1 IN < X ≤ 3 IN	LOW SHOULDER SIGNS (2 MILE SPACING)
	< 45 MPH	3 IN < X ≤ 18 IN	PLACE CHANNELIZING DEVICES AT 50-FT SPACING
	≥ 45 MPH	3 IN < X ≤ 12 IN	PLACE CHANNELIZING DEVICES AT 100-FT SPACING
	< 45 MPH	18 IN < X ≤ 24 IN FOR < 0.5 MILE OR < 48 HOURS <sup>(4)</sup>	PLACE CHANNELIZING DEVICES AT 50-FT SPACING
	≥ 45 MPH	12 IN < X ≤ 18 IN FOR < 0.5 MILE OR < 48 HOURS	PLACE CHANNELIZING DEVICES AT 100-FT SPACING
	≥ 45 MPH	12 IN < X ≤ 24 IN FOR > 0.5 MILE OR > 48 HOURS	CLOSURE USING TEMPORARY TRAFFIC BARRIER
	< 45 MPH	18 IN < X ≤ 24 IN <sup>(5)</sup>	CLOSURE USING TEMPORARY TRAFFIC BARRIER
	≥ 45 MPH	18 IN < X ≤ 24 IN FOR < 0.5 MILES OR < 48 HOURS <sup>(5)</sup>	CLOSURE USING TEMPORARY TRAFFIC BARRIER
ALL	> 24 IN <sup>(6)</sup>	CLOSURE USING TEMPORARY TRAFFIC BARRIER	
3 FT < X ≤ 8 FT <sup>(1)</sup>	ALL	≤ 1 IN	NONE
		1 IN < X ≤ 3 IN	LOW SHOULDER SIGNS (2 MILE SPACING)
	< 45 MPH	3 IN < X ≤ 24 IN <sup>(4)</sup>	PLACE CHANNELIZING DEVICES AT 50-FT SPACING
	≥ 45 MPH	3 IN < X ≤ 24 IN	PLACE CHANNELIZING DEVICES AT 100-FT SPACING
ALL	24 IN <sup>(5)</sup>	CLOSURE USING TEMPORARY TRAFFIC BARRIER	
> 8 FOOT TO THE WORK ZONE CLEAR ZONE <sup>(1)</sup>	< 45 MPH	12 IN < X ≤ 24 IN <sup>(4)</sup>	PLACE CHANNELIZING DEVICES AT 50-FT SPACING
	≥ 45 MPH	12 IN < X ≤ 24 IN	PLACE CHANNELIZING DEVICES AT 100-FT SPACING
	ALL	> 24 IN <sup>(6)</sup>	CLOSURE USING TEMPORARY TRAFFIC BARRIER

- 1) NO TREE REMOVAL WILL ALLOWED BETWEEN APRIL 1 AND SEPTEMBER 30.
- 2) ACCESS TO THE CRAB ORCHARD CAMPGROUND SHALL REMAIN OPEN THROUGHOUT THE PROJECT.
- 3) IN ACCORDANCE WITH THE SPECIAL USE PERMIT, THE CONTRACTOR SHALL NOT DISTURB AREAS OUTSIDE THE PERMIT EASEMENT LINES.
- 4) WETLAND MITIGATION SHALL BE CONSTRUCTED ON U.S. FISH & WILDLIFE SERVICE PROPERTY TO COMPENSATE FOR WETLAND IMPACTS ON REFUGE PROPERTY USED FOR THIS PROJECT. THE WETLAND MITIGATION WILL CONSIST OF THE CREATION OF A 39 ACRE WET GRASSLAND. SEEDING, PER CRAB ORCHARD NATIONAL WILDLIFE REFUGE SPECIFICATIONS, AND MOWING, 2 TIMES THE FIRST YEAR AND ONE TIME THE FOLLOWING YEAR.
- 5) TREES SHALL BE PLANTED AT THE DESIGNATED LOCATIONS ON CONWR AS MITIGATION FOR TREE REMOVAL. THE TREE PLANTING WILL OCCUR OVER 3 SEPARATE PARCELS IN CLOSE PROXIMITY TO THE FRONTAGE ROAD. THIS WILL INCLUDE 48 TREES PER ACRE, OVER 15 ACRES CONSISTING OF 3-GALLON CONTAINERIZED RPM TREES OF READILY AVAILABLE SPECIES AS DETERMINED BY CONWR. THIS CONTRACT SHALL INCLUDE MOWING OF THE 15 ACRES AROUND THE TREES ONCE EACH YEAR FOR 3 YEARS. IN ADDITION, 50 2" CALIPER, BALLED AND BURLAPPED TREES WILL BE PLANTED IN THE PRAIRIE CREEK/CAMPGROUND AREA AT LOCATIONS DESIGNATED BY CONWR. ESTABLISHMENT AND CARE OF THE TREES PLANTED SHALL BE IN ACCORDANCE WITH ARTICLE 253 OF THE STANDARD SPECIFICATIONS.
- 6) THE CONTRACTOR SHALL USE A DORMANT PLANTING TIME OF NOVEMBER 16, 2016 TO FEBRUARY 28, 2016 FOR SEEDING CLASS 4B, SPECIAL. THE CONTRACTOR SHALL NOT PLANT SEEDING CLASS 4B, SPECIAL DURING THE SPRING, AS TO NOT INTERFERE WITH THE CRAWFISH FROG MATING SEASON.
- 7) DURING CONSTRUCTION, APPLICATION OF ANY PESTICIDES, HERBICIDES AND/OR INSECTICIDES SHALL BE COORDINATED WITH CONWR PRIOR TO APPLICATION AND SHALL BE IN ACCORDANCE WITH THEIR SPECIFICATIONS.
- 8) THIS CONTRACT SHALL INCLUDE REMOVAL OF PETROLEUM CONTAMINATED SOIL FOR SITE 2776-41 AS IDENTIFIED IN THE PRELIMINARY ENVIRONMENTAL ASSESSMENT (PESA) DATED MAY 1, 2013, WITH THE MAXIMUM QUANTITY OF SOIL DISPOSAL PAID BY IDOT TO EQUAL NO GREATER THAN 400 CUBIC YARDS. THE SPECIAL WASTE REMOVAL WORK SHALL BE COMPLETED BETWEEN SEPTEMBER 6, 2016 AND OCTOBER 15, 2016. THE CONTRACTOR SHALL NOTIFY THE ENGINEER 4 WEEKS PRIOR TO STARTING THE SPECIAL WASTE REMOVAL WORK.

**NOTES:**

- (1) PLACE CHANNELIZING DEVICES AND/OR TEMPORARY BARRIER AT THE SAME LEVEL AS THE TRAVELING LANE OR SHOULDER PROFILE
- (2) CHANNELIZING DEVICES MAY BE PLACED AT THE DROP-OFF ELEVATION TO PRESERVE LANE WIDTH. RAISE THE REFLECTIVE AREA AND WARNING LIGHT (IF REQUIRED) TO THE ELEVATION ABOVE THE TRAVELING LANE OR SHOULDER PROFILE AS PER HIGHWAY STANDARD 701901.
- (3) PLACE CHANNELIZING DEVICES OR TEMPORARY BARRIER AT SAME LEVEL AS THE SIDE SLOPE PROFILE TO BE FULLY VISIBLE.
- (4) LENGTH AND DURATION MAY BE EXCEEDED FOR URBAN AREAS WHEN ENGINEERING JUDGEMENT INDICATES SIGHT DISTANCE WILL BE ADVERSELY AFFECTED BY TEMPORARY BARRIER.
- (5) TEMPORARY TRAFFIC BARRIER MAY BE ELIMINATED FOR STATIONARY OPERATIONS OF LESS THAN 24 HOURS FOR MULTILANE, AND MAY BE ELIMINATED FOR STATIONARY OPERATIONS OF LESS THAN 96 HOURS PER STAGE FOR TWO LANES, BASED ON ENGINEERING JUDGEMENT.

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\\1084E810DTEC\illinois.gov\PIWID\Do	uments\IDOT_District_9\Projects\13_	DRAWN=mae\78452\CaddData\CAD\sheet\78	REVISED=			331	(1-4) R-6	WILLIAMSON	120	5
PLOT SCALE = 1/8"=1'-0"	CHECKED -	REVISED -	SCALE:			SHEET	OF	SHEETS	STA.	TO STA.
Default	PLOT DATE = 3/18/2016	DATE -	REVISED -	CONTRACT NO. 78452						

# SUMMARY OF QUANTITIES

COUNTY:	WILLIAMSON
ROUTE:	FAP 331, IL 13
FUNDING:	80% FED/20% STATE
LOCATION:	RURAL

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	RURAL	
				ROADWAY 0001	SIGNALS & LIGHTING 0021
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	1,191	1,191	
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	269	269	
20100500	TREE REMOVAL, ACRES	ACRE	6	6	
20200100	EARTH EXCAVATION	CU YD	53,601	53,601	
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	6,036	6,036	
20400100	BORROW EXCAVATION	CU YD	507	507	
* 25000200	SEEDING, CLASS 2	ACRE	16	16	
* 25000350	SEEDING, CLASS 7	ACRE	54	54	
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	9,630	9,630	
* 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	4,815	4,815	
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	4,815	4,815	
* 25000700	AGRICULTURAL GROUND LIMESTONE	TON	107	107	
25000750	MOWING	ACRE	162	162	

\* SPECIALTY ITEM

FILE NAME =	USER NAME = meebl	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>	F.A.P. RTE. 331	SECTION (1-4) R-6	COUNTY WILLIAMSON	TOTAL SHEETS 120	SHEET NO. 6
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# SUMMARY OF QUANTITIES - CONT

COUNTY:	WILLIAMSON
ROUTE:	FAP 331, IL 13
FUNDING:	80% FED/20% STATE
LOCATION:	RURAL

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	RURAL	
				ROADWAY 0001	SIGNALS & LIGHTING 0021
25100115	MULCH, METHOD 2	ACRE	107	107	
25100630	EROSION CONTROL BLANKET	SD YD	8,653	8,653	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	4,530	4,530	
28000305	TEMPORARY DITCH CHECKS	FOOT	1,129	1,129	
28000400	PERIMETER EROSION BARRIER	FOOT	2,490	2,490	
28000500	INLET AND PIPE PROTECTION	EACH	3	3	
28100201	STONE RIPRAP, CLASS A1	TON	161	161	
28100707	STONE DUMPED RIPRAP, CLASS A4	SD YD	226	226	
28200200	FILTER FABRIC	SD YD	204	204	
28300400	AGGREGATE DITCH	TON	115	115	
30200650	PROCESSING MODIFIED SOIL 12"	SD YD	28,799	28,799	
30201500	LIME	TON	861	861	
31101000	SUBBASE GRANULAR MATERIAL, TYPE B	TON	270	270	

# SUMMARY OF QUANTITIES - CONT

COUNTY:	WILLIAMSON
ROUTE:	FAP 331, IL 13
FUNDING:	80% FED/20% STATE
LOCATION:	RURAL

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY	
				0001	SIGNALS & LIGHTING 0021
31101900	SUBBASE GRANULAR MATERIAL, TYPE C	TON	52	52	
35100700	AGGREGATE BASE COURSE, TYPE A 8"	SO YD	24,397	24,397	
35101400	AGGREGATE BASE COURSE, TYPE B	TON	661	661	
35600703	HOT-MIX ASPHALT BASE COURSE WIDENING, 6 3/4"	SO YD	388	388	
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	57,199	57,199	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	6,506	6,506	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	15	15	
40600990	TEMPORARY RAMP	SO YD	12	12	
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	3,403	3,403	
40603315	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70	TON	2,166	2,166	
40701906	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 11 1/4"	SO YD	418	418	
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	167	167	
42000060	WELDED WIRE REINFORCEMENT	SO YD	300	300	



# SUMMARY OF QUANTITIES - CONT

COUNTY:	WILLIAMSON
ROUTE:	FAP 331, IL 13
FUNDING:	80% FED/20% STATE
LOCATION:	RURAL

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY		SIGNALS & LIGHTING	
				0001		0021	
50800105	REINFORCEMENT BARS	POUND	591	591			
542A1069	PIPE CULVERTS, CLASS A, TYPE 2 24"	FOOT	92	92			
542A1075	PIPE CULVERTS, CLASS A, TYPE 2 30"	FOOT	68	68			
542A1087	PIPE CULVERTS, CLASS A, TYPE 2 42"	FOOT	104	104			
542A1099	PIPE CULVERTS, CLASS A, TYPE 2 54"	FOOT	76	76			
542A2749	PIPE CULVERTS, CLASS A, TYPE 4 24"	FOOT	68	68			
542D0217	PIPE CULVERTS, CLASS D, TYPE 1 12"	FOOT	64	64			
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	4	4			
54213675	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30"	EACH	2	2			
54213687	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 42"	EACH	2	2			
54213699	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 54"	EACH	2	2			
54215547	METAL END SECTIONS 12"	EACH	4	4			
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	179	179			

# SUMMARY OF QUANTITIES - CONT

COUNTY:	WILLIAMSON
ROUTE:	FAP 331, IL 13
FUNDING:	80% FED/20% STATE
LOCATION:	RURAL

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	RURAL	
				ROADWAY 0001	SIGNALS & LIGHTING 0021
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	1,100	1,100	
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	1	1	
63200310	GUARDRAIL REMOVAL	FOOT	470	470	
* 66900205	SPECIAL WASTE DISPOSAL	CU YD	400	400	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	18	18	
67100100	MOBILIZATION	LSUM	1	1	
70100320	TRAFFIC CONTROL AND PROTECTION, STANDARD 701422	LSUM	1	1	
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	LSUM	1	1	
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	LSUM	1	1	
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	12	12	
70200100	NIGHTTIME WORK ZONE LIGHTING	LSUM	1	1	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	760	760	
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	253	253	

\* SPECIALTY ITEM





# SUMMARY OF QUANTITIES - CONT

COUNTY:	WILLIAMSON
ROUTE:	FAP 331, IL 13
FUNDING:	80% FED/20% STATE
LOCATION:	RURAL

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY		SIGNALS & LIGHTING	
				0001		0021	
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	354	354			
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	102	102			
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	190	190			
78300100	PAVEMENT MARKING REMOVAL	SO FT	7,627	7,627			
* 80300100	LOCATING UNDERGROUND CABLE	FOOT	925	925			
* 81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	159			159	
* 81028360	UNDERGROUND CONDUIT, PVC, 2 1/2" DIA.	FOOT	7			7	
<del>* 82102250</del>	<del>LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250-WATT</del>	<del>EACH</del>	<del>1</del>			<del>1</del>	
<del>* 83006600</del>	<del>LIGHT POLE, ALUMINUM, 30-FT., M.H., 15-FT., MAST ARM</del>	<del>EACH</del>	<del>1</del>			<del>1</del>	
* 83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	6			6	
<del>* 83800650</del>	<del>BREAK-AWAY DEVICE, COUPLING WITH STAINLESS-STEEL SCREEN</del>	<del>EACH</del>	<del>4</del>			<del>4</del>	
* 84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	7			7	
* <b>84400105</b>	<b>RELOCATE EXISTING LIGHTING UNIT</b>	<b>EACH</b>	<b>3</b>			<b>3</b>	
* 84500110	REMOVAL OF LIGHTING CONTROLLER	EACH	1			1	

\* SPECIALTY ITEM

FILE NAME =	USER NAME = meowl	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pu\11884EGIDINTEG.illinois.gov\FWIDOT\Do	uments\DOT Offices\District 9\Projects\13.g	ORAW\meowl\78492\CAD\Drawings\78492	REVISED - seq.index.dgn			331	(1-4) R-6	WILLIAMSON	120	13
Default	PLOT SCALE = 1/8"=1'-0"	CHECKED -	REVISED -		SCALE:	SHEET OF SHEETS		STA.	TO STA.	
	PLOT DATE = 3/18/2010	DATE -	REVISED -		ILLINOIS FED. AID PROJECT CONTRACT NO. 78452					

# SUMMARY OF QUANTITIES - CONT

COUNTY:	WILLIAMSON
ROUTE:	FAP 331. IL 13
FUNDING:	80% FED/20% STATE
LOCATION:	RURAL

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY		SIGNALS & LIGHTING	
				0001		0021	
* 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1,252				1,252
* 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	987				987
* 87702955	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 45 FT.	EACH	1				1
* 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	3				3
* 87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	11				11
* 87900200	DRILL EXISTING HANDHOLE	EACH	2				2
* 88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	4				4
* 88200100	TRAFFIC SIGNAL BACKPLATE	EACH	4				4
* 88600100	DETECTOR LOOP, TYPE I	FOOT	260				260
* 89501150	RELOCATE EXISTING TRAFFIC SIGNAL POST	EACH	1				1
* 89502105	REBUILD EXISTING SIGNAL HEAD, LED	EACH	3				3
* 89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	153				153
* 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	2				2
* 89502380	REMOVE EXISTING HANDHOLE	EACH	2				2

13

\* SPECIALTY ITEM

# SUMMARY OF QUANTITIES - CONT

COUNTY:	WILLIAMSON
ROUTE:	FAP 331, IL 13
FUNDING:	80% FED/20% STATE
LOCATION:	RURAL

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	RURAL	
				ROADWAY 0001	SIGNALS & LIGHTING 0021
* 89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	3		3
* A2001716	TREE, ACER SACCHARUM (SUGAR MAPLE), 2" CALIPER, BALLED AND BURLAPPED	EACH	10	10	
* A2006816	TREE, QUERCUS MUEHLENBERGII (CHINKAPIN OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	3	3	
* A2006916	TREE, QUERCUS PALUSTRIS (PIN OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	10	10	
X0321156	HIGH VISIBILITY TEMPORARY FENCING	FOOT	113	113	
* X2502019	SEEDING, CLASS 4B (SPECIAL)	ACRE	39	39	
X4402805	ISLAND REMOVAL	SQ FT	448	448	
X6028300	INLETS TO BE REMOVED, SPECIAL	EACH	2	2	
* X6310195	TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (TANGENT), MODIFIED	EACH	1	1	
<del>* X8440102</del>	<del>RELOCATE EXISTING LUMINAIRE</del>	<del>EACH</del>	<del>2</del>		<del>2</del>
* X8807670	SIGNAL HEAD, LED, RETROFIT	EACH	1		1
* X8950205	REBUILD EXISTING HANDHOLE, SPECIAL	EACH	1		1
* X8950212	MODIFY EXISTING CONTROLLER CABINET, SPECIAL	EACH	1		1

\* SPECIALTY ITEM

# SUMMARY OF QUANTITIES - CONT

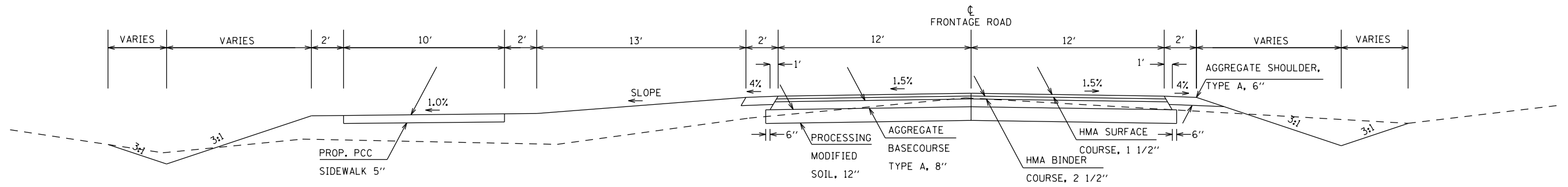
COUNTY:	WILLIAMSON
ROUTE:	FAP 331, IL 13
FUNDING:	80% FED/20% STATE
LOCATION:	RURAL

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	LOCATION	
				ROADWAY 0001	SIGNALS & LIGHTING 0021
* Z0054500	ROCK FILL	TON	12,124	12,124	
* A2C02463	TREE, CARYA GLABRA (PIGNUT HICKORY), CONTAINER GROWN, 3-GALLON (ROOT PRODUCTION METHOD)	EACH	103	103	
* A2C02763	TREE, CARYA OVATA (SHAGBARK HICKORY), CONTAINER GROWN, 3-GALLON (ROOT PRODUCTION METHOD)	EACH	103	103	
* A2C02863	TREE, CARYA TOMENTOSA (MOCKERNUT HICKORY), CONTAINER GROWN, 3-GALLON (ROOT PRODUCTION METHOD)	EACH	103	103	
* A2C04863	TREE, QUERCUS ALBA (WHITE OAK), CONTAINER GROWN, 3-GALLON (ROOT PRODUCTION METHOD)	EACH	103	103	
* A2C03263	TREE, CORYLUS AMERICANA (AMERICAN HAZELNUT), CONTAINER GROWN, 3-GALLON (ROOT PRODUCTION METHOD)	EACH	103	103	
* A2C06463	TREE, QUERCUS STELLATA (POST OAK), CONTAINER GROWN, 3-GALLON (ROOT PRODUCTION METHOD)	EACH	103	103	
* A2C03464	TREE, QUERCUS VELUTINA (BLACK OAK), CONTAINER GROWN, 3-GALLON (ROOT PRODUCTION METHOD)	EACH	102	102	
* A2006906	TREE, QUERCUS PAGODA (CHERRYBARK OAK), 1.5" CALIPER, BALLED AND BURLAPPED	EACH	10	10	
* A2007118	TREE, QUERCUS RUBRA (NORTHERN RED OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	10	10	
* A2006812	TREE, QUERCUS MUEHLENBERGII (CHINKAPIN OAK), 1.5" CALIPER, BALLED AND BURLAPPED	EACH	7	7	
X0327981	BOAT RAMP	SO YD	267	267	
X0327982	BOAT RAMP REMOVAL	CU YD	99	99	

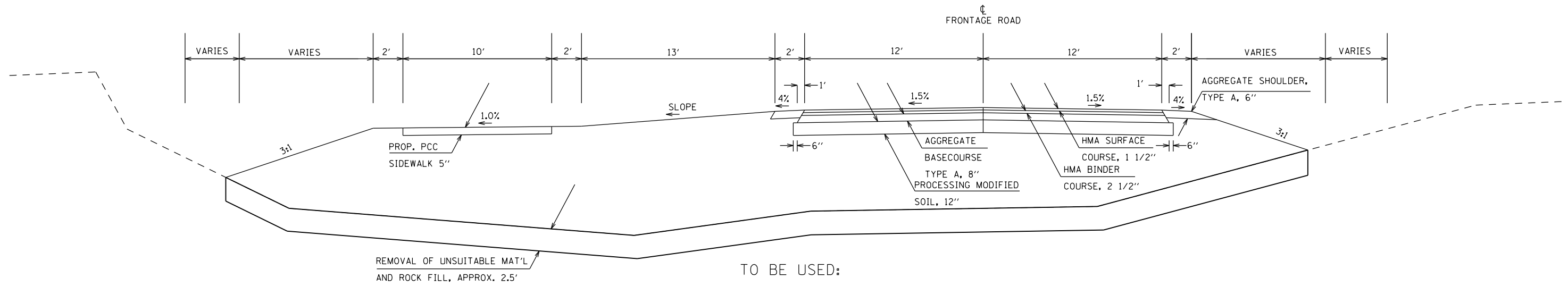
\* SPECIALTY ITEM

FILE NAME =	USER NAME = maeubl	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pl\11284810\INTEC\Illinois.gov\KIDOT\Documents\DOT Offices\District 9\Projects\13...	pl\11284810\INTEC\Illinois.gov\KIDOT\Documents\DOT Offices\District 9\Projects\13...	DRAWN	REVISED			331	(1-4) R-6	WILLIAMSON	120	16
Default	PLOT SCALE = 1/8" = 1'-0"	CHECKED -	REVISED -		SCALE:					
	PLOT DATE = 3/18/2015	DATE -	REVISED -		SHEET	OF	SHEETS	STA.	TO	STA.
										ILLINOIS FED. AID PROJECT

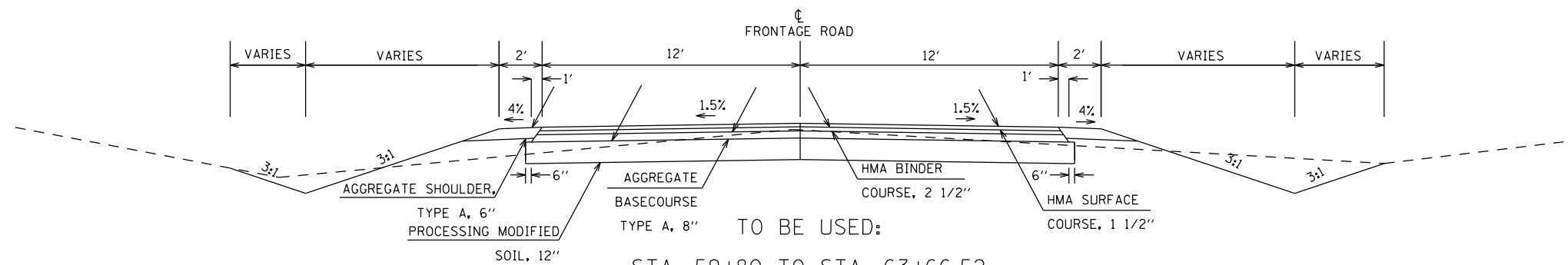
TYPICAL SECTION  
FRONTAGE ROAD



TO BE USED:  
STA. 0+00 TO STA. 43+50  
STA. 48+20 TO STA. 59+80



TO BE USED:  
STA. 43+50 TO 48+20



TO BE USED:  
STA. 59+80 TO STA. 63+66.52

FILE NAME =	USER NAME = maebl	DESIGNED -	REVISED -
p:\11084EBIDINTEG\illinois.gov\PIWIDOT\Documents\IDOT Offices\District 9\Projects\13.d	DRAWN =	CHECKED -	REVISED -
Default	PLOT DATE = 3/18/2016	DATE -	REVISED -

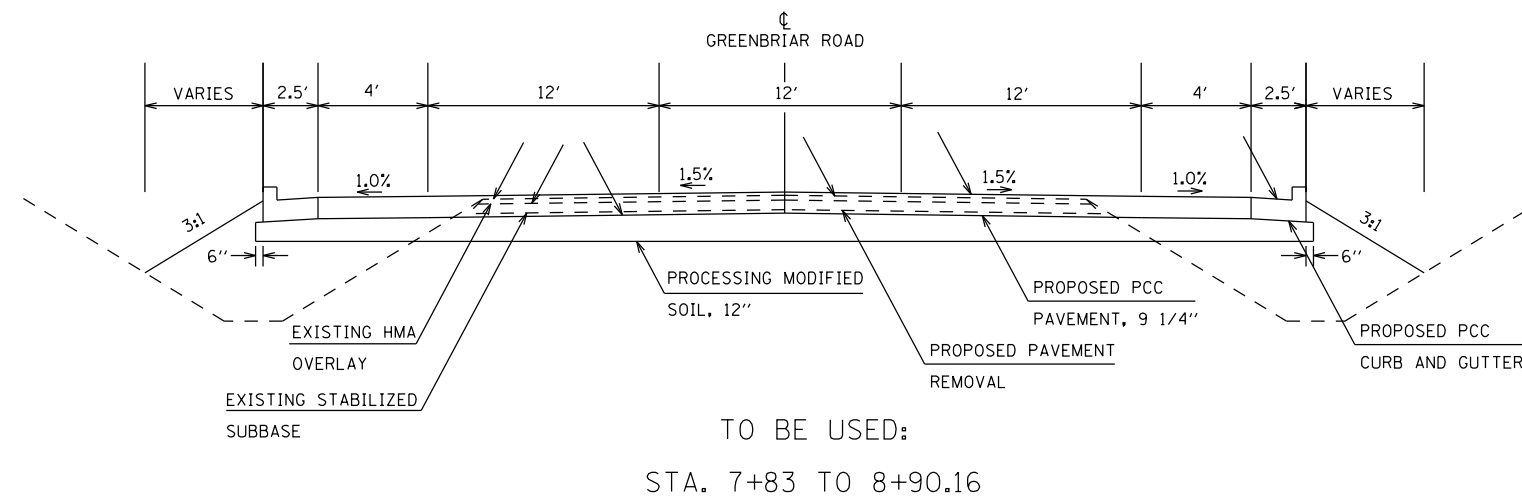
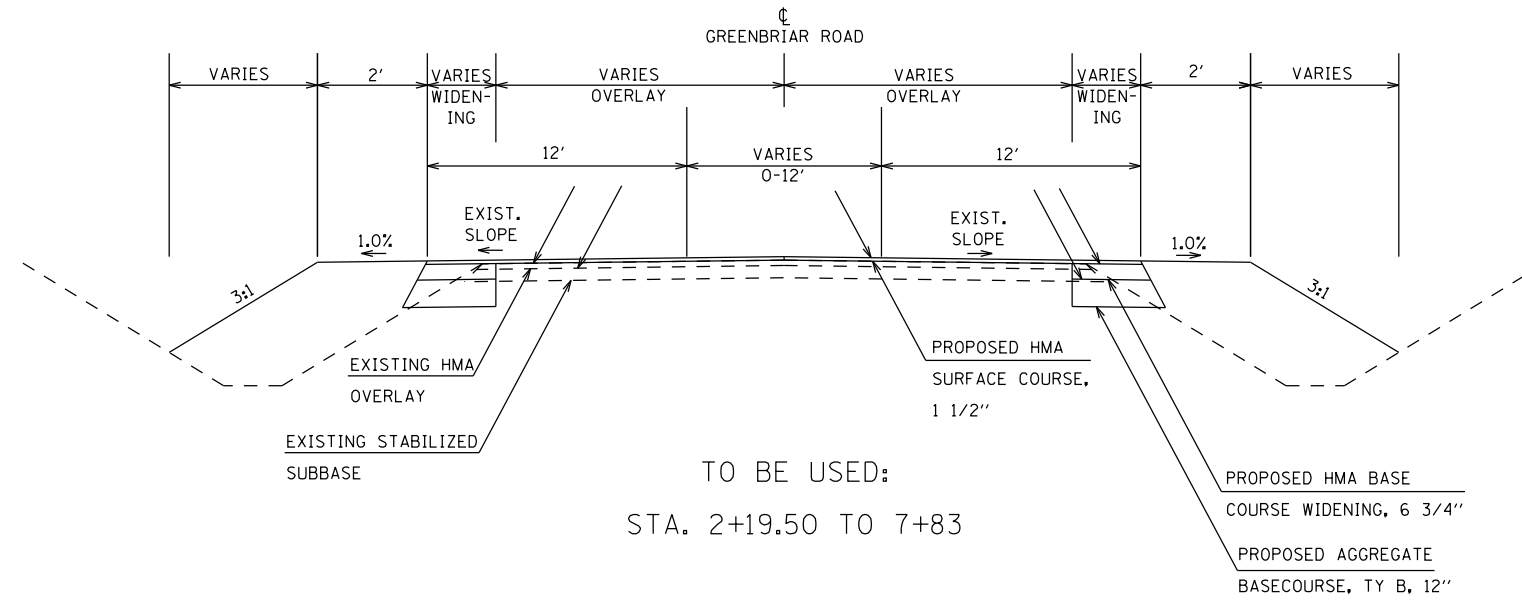
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTION  
FRONTAGE ROAD

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-4) R-6	WILLIAMSON	120	17
CONTRACT NO. 78452			ILLINOIS FED. AID PROJECT	

TYPICAL SECTIONS  
GREENBRIAR ROAD



FILE NAME =	USER NAME = maesbl	DESIGNED -	REVISED -
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/18/2016	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTION  
GREENBRAIR ROAD

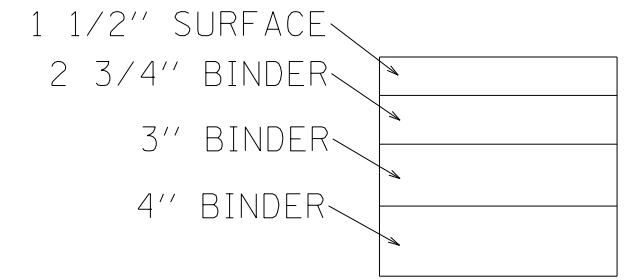
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-4) R-6	WILLIAMSON	120	18
CONTRACT NO. 78452			ILLINOIS FED. AID PROJECT	

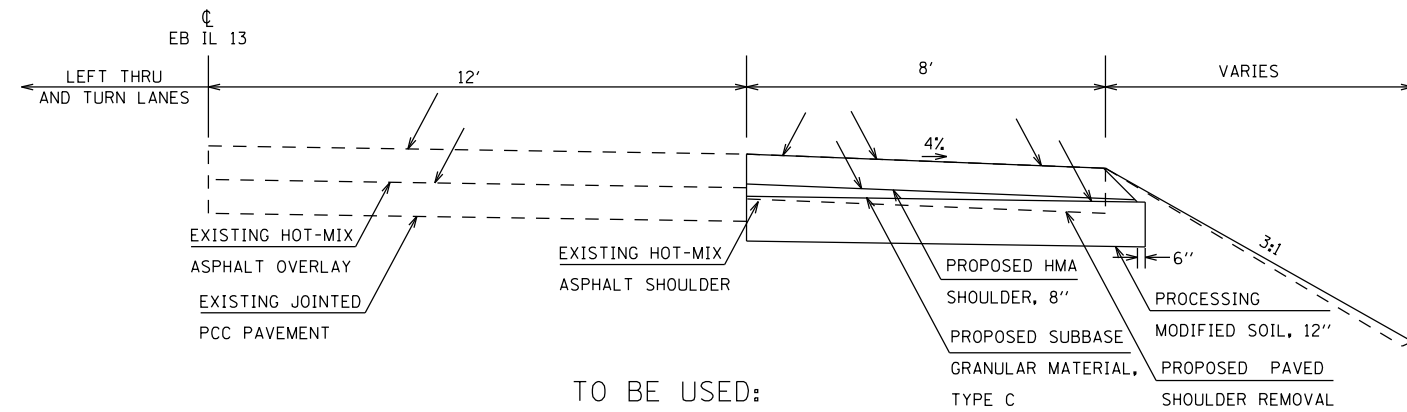


TYPICAL SECTIONS

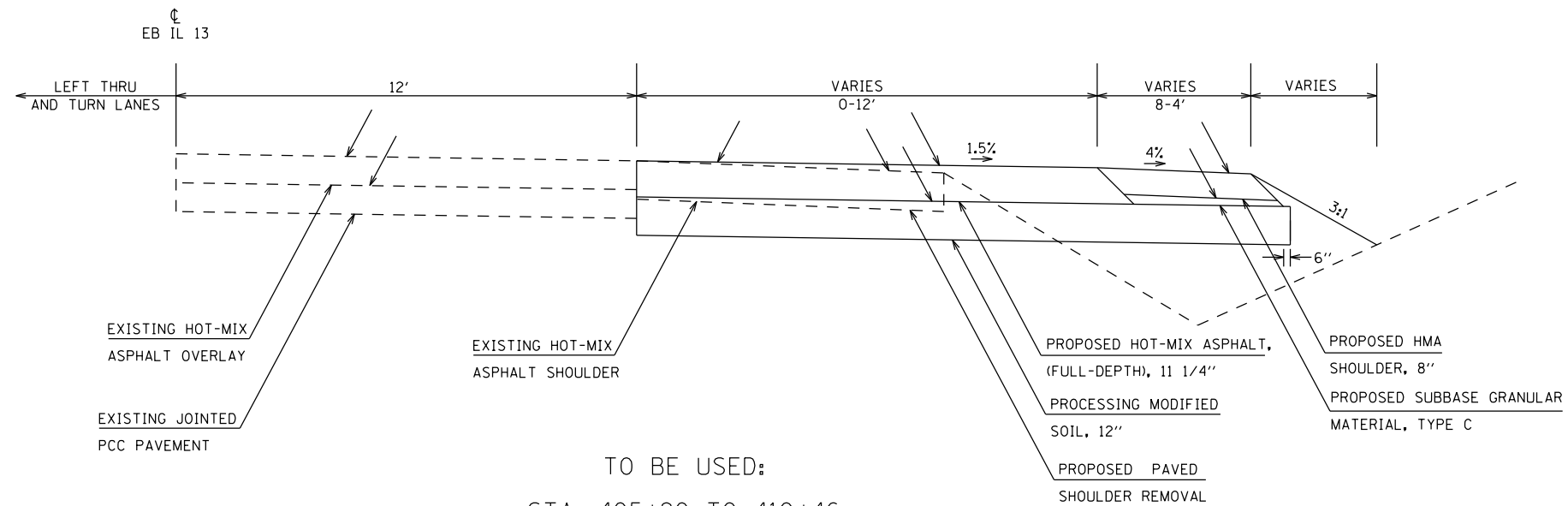
EB IL 13



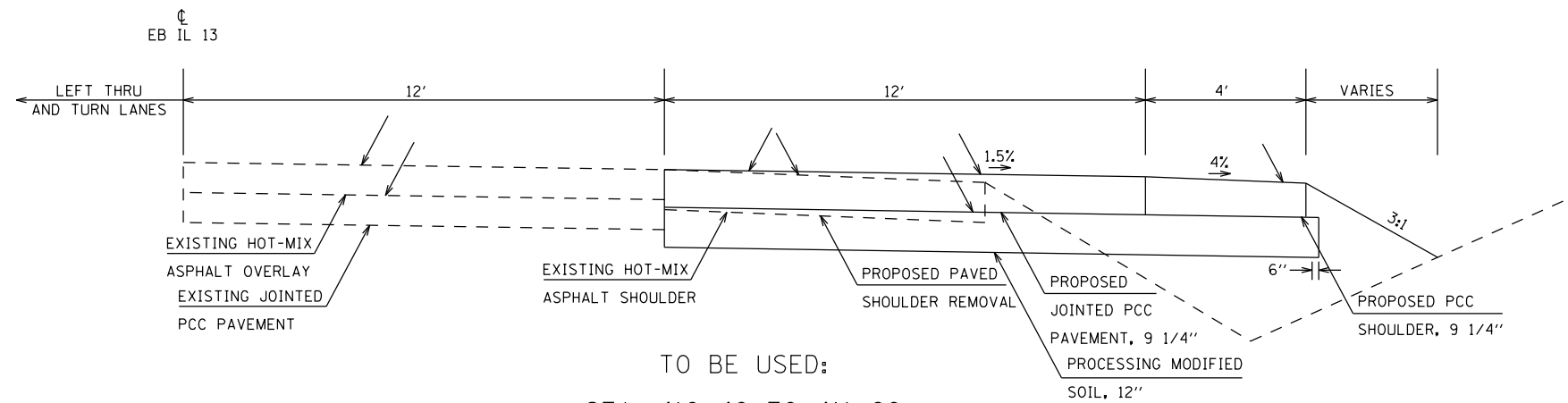
PROPOSED HMA  
(FULL DEPTH), 11 1/4"  
LIFT THICKNESSES



TO BE USED:  
STA. 404+90 TO 405+90



TO BE USED:  
STA. 405+90 TO 410+46



TO BE USED:  
STA. 410+46 TO 411+60

FILE NAME =	USER NAME = maesbl	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTION EB IL 13</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG\illinois.gov\PIDOT\Documents\IDOT Offices\District 9\Projects\13.dgn	DRAWN =	CHECKED -	REVISED -			331	(1-4) R-6	WILLIAMSON	120	19
Default	PLOT DATE = 3/18/2016	DATE -	REVISED -			CONTRACT NO. 78452		ILLINOIS FED. AID PROJECT		

REMOVAL SCHEDULE

LOCATION			LENGTH	PAVEMENT REMOVAL	PAVED SHLD REMOVAL	COMB. CURB & GUTTER REMOVAL	INLETS TO BE REMOVED, SPECIAL	MEDIAN REMOVAL	ISLAND REMOVAL	PIPE CULVERT REMOVAL	BOAT RAMP REMOVAL	HMA SURFACE REMOVAL - BUTT JOINT	REMARKS
STA.	TO	STA.	FT	SQ YD	SQ YD	FOOT	EACH	SQ FT	SQ FT	FOOT	CU YD	SQ YD	
GREENBRIAR													
2+19.50	TO	2+49.50	30									15	BUTT JOINT
8+13.40	TO	8+90.20	77	524	64	143							PCC INTERSECTION
IL 13													
404+90.00	TO	405+90.00	100		89								8' SHLD
405+90.00	TO	408+75.00	285		254								0-12' LANE & 8-4' SHLD
408+75.00	TO	410+46.00	171		152								HMA - 12' LANE & 4' SHLD
410+46.00	TO	411+60.00	114		113								PCC - 12' LANE & 4' SHLD
NORTH BOAT RAMP					359		163				54		
IL 13 MEDIAN					2024		713						
IL 13 EB RIGHT TURN					74		225						
CAMPGROUND ROAD					3284		510	2	1261	448	136		
WATERLINE ENTRANCE					88					43			
GREENBRIAR BOAT LAUNCH					17						45		
TOTALS					6370		1610	2	1261	448	179	99	15

HMA SCHEDULE

LOCATION			LENGTH	HMA SURFACE COURSE	HMA BINDER COURSE	HMA PAVEMENT (FULL-DEPTH), 11 1/4"	BITUMINOUS MATERIALS (PRIME COAT)	BITUMINOUS MATERIALS (TACK COAT)	HMA BASE COURSE WIDENING, 6 3/4"	HMA SHLD, 8"	TEMP RAMP	REMARKS
STA.	TO	STA.	FT	TON	TON	SQ YD	POUND	POUND	SQ YD	SQ YD	SQ YD	
FRONTAGE RD												
0+00.00	TO	1+12.40	112	52	88		1389	139				INTERSECTION
1+12.40	TO	63+66.52	6254	1407	2376		37489	3749				
GREENBRIAR												
2+19.50	TO	2+49.50	30	4				30			12	BUTT JOINT
2+49.50	TO	5+89.00	340	75			309	371	138			VARIES 20-24' FIRST 62.3'
5+89.00	TO	8+13.40	224	63			561	281	250			WIDTH VARIES 24' - 36'
IL 13												
404+90.00	TO	405+90.00	100				200	20		89		8' SHLD
405+90.00	TO	408+75.00	285			190	428	129		190		0-12' LANE & 8-4' SHLD
408+75.00	TO	410+46.00	171			228	171	120		76		HMA - 12' LANE & 4' SHLD
PARKING LOT					559	939		14963	1497			
GREENBRIAR BOAT LAUNCH					6							
<b>TOTALS</b>					<b>2166</b>	<b>3403</b>	<b>418</b>	<b>55510</b>	<b>6336</b>	<b>388</b>	<b>12</b>	

\* SEE ENTRANCE SCHEDULE FOR ADDITIONAL QUANTITIES

AGGGREGATE SCHEDULE

LOCATION			LENGTH	AGGREGATE SHOULDER, TY A, 6"	PROCESSING MODIFIED SOIL, 12" *	LIME *	AGGREGATE BASE COURSE, TYPE A, 8"	AGGREGATE BASE COURSE, TYPE B *	SUBBASE GRANULAR MATERIAL, TYPE C	SUBBASE GRANULAR MATERIAL, TYPE B	ROCK FILL	STONE RIPRAP, CL A1	REMARKS
STA.	TO	STA.	FT	SQ YD	SQ YD	TONS	SQ YD	TON	TON	TON	TON	TON	
FRONTAGE RD													
0+00.00	TO	1+12.40	112	47	618	19	618						INTERSECTION
1+12.40	TO	63+66.52	6254	2780	18747	557	17128				11668		
GREENBRIAR													
2+19.50	TO	2+49.50	30	14									BUTT JOINT
2+49.50	TO	5+89.00	340	20				94					VARIES 20-24' FIRST 62.3'
5+89.00	TO	8+13.40	224					171					WIDTH VARIES 24' - 36'
8+13.40	TO	8+90.20	77		852	26							PCC INTERSECTION
IL 13													
404+90.00	TO	405+90.00	100		95	3			11				8' SHLD
405+90.00	TO	408+75.00	285		396	12			27				0-12' LANE & 8-4' SHLD
408+75.00	TO	410+46.00	171		314	10			14				HMA - 12' LANE & 4' SHLD
410+46.00	TO	411+60.00	114		209	7							PCC - 12' LANE & 4' SHLD
PARKING LOT													
					6651	198	6651						
CONTAMINATED SOIL SITE													
										47			
GREENBRIAR BOAT LAUNCH													
										223	456	161	
<b>TOTALS</b>					<b>2861</b>	<b>27882</b>	<b>832</b>	<b>24397</b>	<b>265</b>	<b>52</b>	<b>270</b>	<b>12124</b>	<b>161</b>

\* SEE ENTRANCE SCHEDULE FOR ADDITIONAL QUANTITIES

CONCRETE SCHEDULE

LOCATION			LENGTH	PCC PAVEMENT, 9 1/4" (JOINTED)	COMB. CONCRETE CURB & GUTTER	PCC SIDEWALK, 5"	PCC SHOULDER, 9 1/4"	PCC SHOULDER, 6"	BOAT RAMP	REMARKS
STA.	TO	STA.	FT	SQ YD	FOOT	SQ YD	SQ YD	SQ YD	SQ YD	
FRONTAGE RD										
0+00.00	TO	1+12.40	112			93				INTERSECTION
1+12.40	TO	63+66.52	6254			6993				
GREENBRIAR										
2+49.50	TO	5+89.00	340							VARIES 20-24' FIRST 62.3'
5+89.00	TO	8+13.40	224					31		WIDTH VARIES 24' - 36'
8+13.40	TO	8+90.20	77	765	179					PCC INTERSECTION
IL 13										
410+46.00	TO	411+60.00	114	152			58			PCC - 12' LANE & 4' SHLD
GREENBRIAR BOAT LAUNCH										
									267	
<b>TOTALS</b>					917	179	7086	58	31	267

EARTHWORK SCHEDULE

LOCATION			EARTH EXCAVATION	AVERAGE SHRINKAGE FACTOR	EARTH EXCAVATION (ADJUSTED)	EMBANKMENT	EXCESS EXCAVATION	ADDITIONAL EXCAVATION	BORROW PIT SHRINKAGE FACTOR	BORROW EXCAVATION	REMOVAL & DISPOSAL OF UNSUITABLE MATERIAL	SPECIAL WASTE DISPOSAL
STA.	TO	STA.	CU YD	%	CU YD	CU YD	CU YD	CU YD	%	CU YD	CU YD	CU YD
FRONTAGE ROAD			51204	79%	40637	38484	2154				5692	
PARKING LOT			1845	77%	1432	434	998					
GREENBRIAR ROAD			485	62%	299	181	118					
IL 13 EB			42	42%	17	68	51	18%	60			
GREENBRIAR BOAT LAUNCH			25								344	
CONTAMINATED SOIL SITE							378	18%	446			400
<b>TOTALS</b>			<b>53601</b>							<b>507</b>	<b>6036</b>	<b>400</b>

GUARDRAIL SCHEDULE

LOCATION	GUARDRAIL REMOVAL	SPBGR	TBT, TYPE 1, TAN	TBT, TYPE 2
	FOOT	FOOT	EACH	EACH
North Boat Ramp	50	450	1	0
IL 13 EB Right Turn	420	650	0	1
<b>TOTALS</b>	<b>470</b>	<b>1100</b>	<b>1</b>	<b>1</b>

ENTRANCE SCHEDULE

LOCATION	LT/RT	TYPE OF ENTRANCE	PROPOSED WIDTH AT END OF APRON	PROPOSED SURFACE TYPE	RADIUS (DEGREES)	PROPOSED AREA	INCIDENTAL HOT-MIX ASPHALT SURFACING	AGGREGATE BASE COURSE, TY B *	BITUMINOUS MATERIALS (PRIME COAT) **	BITUMINOUS MATERIALS (TACK COAT) **	PROCESSING MODIFIED SOIL, 12" *	LIME *
STATION			FOOT			SO FT						
FRONTAGE ROAD												
39+13	RT	PE	52	AGG	20	1024	0	39			114	4
47+00	RT	PE		AGG	20	460	0	18			52	2
60+09	RT	CE	75	HMA	20	3242	80	163	811	82	361	11
63+29	RT	CE	75	HMA	20	3510	87	176	878	88	390	12
<b>TOTALS</b>							<b>167</b>	<b>396</b>	<b>1689</b>	<b>170</b>	<b>917</b>	<b>29</b>

\* SEE AGGREGATE SCHEDULE FOR ADDITIONAL QUANTITIES  
 \*\* SEE HMA SCHEDULE FOR ADDITIONAL QUANTITIES

CULVERT SCHEDULE

LOCATION		PIPE CULVERTS, CLASS D, TYPE 1	METAL END SECTIONS	PIPE CULVERTS, CLASS A, TYPE 2				PIPE CULVERTS, CLASS A, TYPE 4	PRC, FLARED END SECTIONS				STONE DUMP RIPRAP	REMARKS
STATION	SKEW (DEGREES)			12"	12"	24"	30"		42"	54"	24"	24"		
		FOOT	EACH	FOOT	FOOT	FOOT	FOOT	FOOT	EACH	EACH	EACH	EACH		
FRONTAGE ROAD														
14+10	40 LT AH					104					2		53	
21+45	20 LT AH							68	2				14	
27+07	10 RT AH						76					2	94	
34+25	0				68					2			24	
51+50	0			92					2				35	
59+76	0	24	2											68' O/S, SKEW 40 DEGREES RT AH TO PATH
60+28	0	40	2										6	40' O/S, 19' LT, 21' RT
<b>TOTALS</b>		<b>64</b>	<b>4</b>	<b>92</b>	<b>68</b>	<b>104</b>	<b>76</b>	<b>68</b>	<b>4</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>226</b>	



TREE PLANTING SCHEDULE

TREE TYPE	UNIT	PLANTING LOCATIONS				TOTALS
		PARCEL #1 ( 6 ACRES)	PARCEL #2 ( 6 ACRES)	PARCEL #3 ( 3 ACRES)	PRAIRIE CREEK	
		AT IL 13 & GREENBRIAR RD	AT OLD IL 13 & PENTECOST RD	AT OLD IL 13 & BAINBRIDGE TRAIL	AT CAMPGROUND AREA	
TREE, CARYA GLABRA (PIGNUT HICKORY), CONTAINER GROWN, 3-GALLON (ROOT PRODUCTION METHOD), SPECIAL	EACH	35	34	34		103
TREE, CARYA OVATA (SHAGBARK HICKORY), CONTAINER GROWN, 3-GALLON (ROOT PRODUCTION METHOD), SPECIAL	EACH	34	35	34		103
TREE, CARYA TOMENTOSA (MOCKERNUT HICKORY), CONTAINER GROWN, 3-GALLON (ROOT PRODUCTION METHOD), SPECIAL	EACH	34	34	35		103
TREE, QUERCUS ALBA (WHITE OAK), CONTAINER GROWN, 3-GALLON (ROOT PRODUCTION METHOD), SPECIAL	EACH	35	34	34		103
TREE, CORYLUS AMERICANA (AMERICAN HAZELNUT), CONTAINER GROWN, 3-GALLON (ROOT PRODUCTION METHOD), SPECIAL	EACH	34	35	34		103
TREE, QUERCUS STELLATA (POST OAK), CONTAINER GROWN, 3-GALLON (ROOT PRODUCTION METHOD), SPECIAL	EACH	34	34	35		103
TREE, QUERCUS VELUTINA (BLACK OAK), CONTAINER GROWN, 3-GALLON (ROOT PRODUCTION METHOD), SPECIAL	EACH	34	34	34		102
TREE, QUERCUS PAGODA (CHERRYBARK OAK), 1.5" CALIPER, BALLED AND BURLAPPED	EACH				10	10
TREE, QUERCUS RUBRA (NORTHERN RED OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH				10	10
TREE, QUERCUS MUEHENBERGII (CHINKAPIN OAK), 1.5" CALIPER, BALLED AND BURLAPPED	EACH				7	7
TREE, ACER SACCHARUM (SUGAR MAPLE), 2" CALIPER, BALLED AND BURLAPPED	EACH				10	10
TREE, QUERCUS MUEHLENBERGI (CHINKAPIN OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH				3	3
TREE, QUERCUS PALUSTRIS (PIN OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH				10	10

TREE REMOVAL SCHEDULE

STATION	OFFSET, LT/RT	TREE REMOVAL	TREE REMOVAL (6-15 UNIT DIAMETER)	TREE REMOVAL (OVER 15 UNIT DIAMETER)	REMARKS
	FEET	ACRE	UNIT	UNIT	
0+00 TO 1+00	141 RT TO 67 LT	0.2			
1+00 TO 4+85	70 RT TO 84 LT	1.2			
8+66 TO 14+65	73 RT TO 110 LT	2.0			
14+88	28 RT		6		
15+00	5 LT		6		
15+00	20 LT		8		
15+65	5 LT		7		
15+70	20 RT		6		
15+75	3 RT		6		
15+90	15 RT		6		
16+50	10 LT		6		
16+52	32 RT		6		
17+05	10 LT		9		
17+15	25 RT		6		
17+40	25 LT		7		
17+90	20 RT		6		
17+95	17 LT		8		
18+20	15 LT		6		
18+20	20 RT		6		
18+22	22 RT		6		
18+25	15 RT		8		
18+70	0		7		
18+80	25 RT		7		
18+82	25 LT		6		
18+82	25 LT		6		
18+85	5 LT		8		
18+85	5 RT		7		
18+86	24 LT		7		
18+86	24 LT		8		
18+95	20 RT		7		
18+95	35 LT		7		
18+97	20 RT		6		
19+00	0		8		
19+05	5 RT		7		
19+10	15 RT		6		
19+37	10 RT		6		
19+40	41 LT		6		
19+42	10 RT		7		
19+50	45 LT		6		
19+60	25 LT		7		
19+65	40 LT		6		
19+80	40 LT		9		
SUBTOTALS ( PG1)		4	263	0	

TREE REMOVAL SCHEDULE, CONT.

STATION	OFFSET, LT/RT	TREE REMOVAL	TREE REMOVAL (6-15 UNIT DIAMETER)	TREE REMOVAL (OVER 15 UNIT DIAMETER)	REMARKS
	FEET	ACRE	UNIT	UNIT	
19+80	0		7		
19+84	17 RT		7		
19+85	40 LT		6		
19+90	50 LT		6		
20+00	50 LT		9		
20+05	50 LT		9		
20+25	50 LT		7		
20+25	30 LT		7		
20+25	0		7		
20+30	30 LT		6		
20+30	25 LT		6		
20+42	40 LT		6		
20+50	25 LT		7		
20+60	30 RT		7		
21+25	20 LT		6		
21+35	35 LT		7		
21+40	45 LT		12		
21+50	30 LT			22	
21+50	35 LT		6		
21+55	22 LT			22	
21+60	41 LT		11		
21+60	50 LT		7		
21+61	41 LT		11		
22+31	25 LT		6		
22+50	20 LT		6		
22+90	10 RT		6		
23+10	25 LT		6		
23+18	50 LT		9		
23+45	10 RT		6		
23+50	25 RT		7		
23+80	0		7		
23+83	32 LT		6		
24+00	10 RT		6		
24+05	20 LT		6		
24+08	5 LT		8		
24+15	25 LT		6		
24+15	25 LT		9		
24+25	0		6		
24+25	0		6		
24+25	0		6		
24+25	30 LT		6		
24+50	30 RT		6		
SUBTOTALS ( PG2)		0	281	44	

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TREE REMOVAL SCHEDULE

SCALE: SHEET 1 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-4) R-6	WILLIAMSON	120	27
CONTRACT NO. 78452			ILLINOIS FED. AID PROJECT	

TREE REMOVAL SCHEDULE, CONT.

STATION	OFFSET, LT/RT	TREE REMOVAL	TREE REMOVAL (6-15 UNIT DIAMETER)	TREE REMOVAL (OVER 15 UNIT DIAMETER)	REMARKS
	FEET	ACRE	UNIT	UNIT	
24+60	15 LT		7		
24+86	30 LT		14		
24+90	35 LT		8		
24+95	5 RT		13		
24+95	15 RT		6		
24+95	20 RT		6		
24+98	60 LT			22	
25+00	40 RT		6		
25+00	20 RT		6		ON GROUND
25+00 TO 28+00	75 RT TO 93 LT	0.8			
28+40	65 LT		6		
28+40	45 LT		7		
28+50	5 LT		9		
28+50	5 LT		6		
28+50	50 LT		7		
28+60	10 LT		6		
28+60	60 LT		6		
28+75	45 RT		6		
28+75	45 RT		9		
28+75	65 LT		6		
28+75	65 LT		6		
28+85	30 RT		7		
28+90	15 RT		6		
28+90	15 RT		7		
29+15	5 RT		7		
29+20	45 LT		6		
29+30	35 LT		6		
29+85	25 RT		6		
29+85	25 RT		7		
30+10	2 LT		8		
30+25	25 LT		7		
30+50	25 LT		6		
30+55	30 RT		6		
30+80	20 RT		8		
31+10	20 RT		10		
31+25	10 LT		9		
31+33	25 RT		6		
31+40	0		6		
31+75	10 LT		7		
31+88	20 RT		8		
32+25	25 LT		6		
32+30	10 RT		6		
SUBTOTALS ( PG3)		1	285	22	

TREE REMOVAL SCHEDULE, CONT.

STATION	OFFSET, LT/RT	TREE REMOVAL	TREE REMOVAL (6-15 UNIT DIAMETER)	TREE REMOVAL (OVER 15 UNIT DIAMETER)	REMARKS
	FEET	ACRE	UNIT	UNIT	
32+30	20 LT		6		
32+40	45 LT		7		
32+55	20 RT		10		
32+55	50 LT		7		
32+70	10 RT		6		
33+00	20 RT		6		
33+00	35 LT		7		
33+17	50 LT		7		
33+20	25 LT		13		
33+50	45 LT		8		
33+52	26 RT		6		
33+70	10 RT		6		
34+00	10 RT		7		
34+10	60 LT		7		
34+10	43 LT		7		
34+20	40 LT		8		
34+25	25 RT		6		
34+35	20 RT		7		
34+35	10 RT		7		
34+60	20 RT		6		
34+35	55 LT		8		
34+80	55 LT		6		
35+10	15 RT		9		
35+15	50 LT		6		
35+45	45 LT		6		
36+00	35 RT		6		
36+30	20 LT		6		
36+35	50 LT		6		
36+35	50 LT		6		
36+40	10 RT		7		
36+45	5 RT		6		
36+75	50 LT		6		
36+85	30 LT		11		
36+85	30 LT		13		
36+95	60 LT		6		
37+25	28 LT		7		
37+30	30 LT		9		
37+50	60 LT		7		
37+65	25 LT		11		
37+75	55 LT		6		
37+85	20 RT		6		
37+90	5 RT		6		
SUBTOTALS ( PG4)		0	304	0	

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TREE REMOVAL SCHEDULE

SCALE: SHEET 2 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-4) R-6	WILLIAMSON	120	28
CONTRACT NO. 78452			ILLINOIS FED. AID PROJECT	

TREE REMOVAL SCHEDULE, CONT.

STATION	OFFSET, LT/RT	TREE REMOVAL	TREE REMOVAL (6-15 UNIT DIAMETER)	TREE REMOVAL (OVER 15 UNIT DIAMETER)	REMARKS
	FEET	ACRE	UNIT	UNIT	
37+90	40 LT			17	
38+23 TO 39+63	39 RT TO 56 LT	0.3			
42+55 TO 43+55	74 RT TO 157 LT	0.2			
51+75 TO 52+84	55 RT TO 75 LT	0.3			
62+05	50 RT			31	
62+60	20 RT		10		
62+60	20 RT		11		
62+60	20 RT			27	
62+60	20 RT		7		
62+80	80 RT			16	
62+80	80 RT		9		
62+80	80 RT		9		
62+95	22 RT			35	
63+15	22 RT			16	
63+51	20 LT		12		
63+62	20 LT			21	
63+62	71 LT			24	
63+64	20 LT			16	
SUBTOTALS (PG5)		1	58	203	
SUBTOTALS (PG1)		4	263	0	
SUBTOTALS (PG2)		0	281	44	
SUBTOTALS (PG3)		1	285	22	
SUBTOTALS (PG4)		0	304	0	
TOTALS		6	1191	269	

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TREE REMOVAL SCHEDULE**

SCALE: SHEET 3 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-4) R-6	WILLIAMSON	120	29
CONTRACT NO. 78452			ILLINOIS FED. AID PROJECT	

SEEDING AND EROSION CONTROL SCHEDULE

LOCATION			SEEDING, CLASS 2	SEEDING, CLASS 4B, SPECIAL	SEEDING, CLASS 7	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	AGRICULTURAL GROUND LIMESTONE	MULCH, METHOD 2	
STA.	TO	STA.	ACRE	ACRE	ACRE	POUND	POUND	POUND	TON	ACRE	
FRONTAGE RD											
0+00.00	TO	1+12.40	0.2		0.2	36	18	18	0.4	0.4	
1+12.40	TO	61+06.50	11.9		11.9	2142	1071	1071	23.8	23.8	
61+06.50	TO	63+66.50	0.3		0.3	54	27	27	0.6	0.6	
GREENBRIAR											
2+19.50	TO	2+49.50	0.1		0.1	18	9	9	0.2	0.2	
2+49.50	TO	5+89.00	0.1		0.1	18	9	9	0.2	0.2	
5+89.00	TO	8+13.40	0.1		0.1	18	9	9	0.2	0.2	
8+13.40	TO	8+90.20	0.1		0.1	18	9	9	0.2	0.2	
IL 13											
404+90.00	TO	405+90.00	0.1		0.1	18	9	9	0.2	0.2	
405+90.00	TO	408+75.00	0.1		0.1	18	9	9	0.2	0.2	
408+75.00	TO	410+46.00	0.1		0.1	18	9	9	0.2	0.2	
410+46.00	TO	411+60.00	0.1		0.1	18	9	9	0.2	0.2	
TREE PLANTING AREAS											
PARCEL #1 (6 ACRES)											
PARCEL #2 (6 ACRES)											
PARCEL #3 (3 ACRES)											
PARKING LOT											
NORTH BOAT LAUNCH			0.6		0.6	108	54	54	1.2	1.2	
IL 13 MEDIAN			0.6		0.6	108	54	54	1.2	1.2	
IL 13 EB RIGHT TURN			0.1		0.1	18	9	9	0.2	0.2	
CAMPGROUND ROAD			0.5		0.5	90	45	45	1.0	1.0	
WATERLINE ENTRANCE			0.1		0.1	18	9	9	0.2	0.2	
WETLAND MITIGATION SITE (39 ACRES)					38.4	38.4	6912	3456	3456	76.8	76.8
<b>TOTALS</b>			<b>16</b>	<b>39</b>	<b>54</b>	<b>9630</b>	<b>4815</b>	<b>4815</b>	<b>107</b>	<b>107</b>	

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SEEDING & EROSION  
CONTROL SCHEDULE**

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-4) R-6	WILLIAMSON	120	30
CONTRACT NO. 78452			ILLINOIS FED. AID PROJECT	

SEEDING AND EROSION CONTROL SCHEDULE CONT.

LOCATION			EROSION CONTROL BLANKET	TEMP EROSION CONTROL SEEDING	TEMPORARY DITCH CHECKS *	INLET AND PIPE PROTECTION	PERIMETER EROSION BARRIER	MOWING	REMARKS
STA.	TO	STA.	SQ YD	POUND	FOOT	EACH	FOOT	ACRE	
FRONTAGE RD									
0+00.00	TO	1+12.40	150	60	18				
1+12.40	TO	61+06.50	7993	3570	960				
61+06.50	TO	63+66.50	232	90	42				
GREENBRIAR									
2+19.50	TO	2+49.50	27	30	5				
2+49.50	TO	5+89.00	151	30	55				
5+89.00	TO	8+13.40	100	30	36				
8+13.40	TO	8+90.20		30	13				
IL 13									
404+90.00	TO	405+90.00		30					
405+90.00	TO	408+75.00		30					
408+75.00	TO	410+46.00		30					
410+46.00	TO	411+60.00		30					
TREE PLANTING AREAS									
PARCEL #1 (6 ACRES)								18	AREA TO BE MOWED 3 TIMES
PARCEL #2 (6 ACRES)								18	AREA TO BE MOWED 3 TIMES
PARCEL #3 (3 ACRES)								9	AREA TO BE MOWED 3 TIMES
PARKING LOT							993		
NORTH BOAT LAUNCH				180			995		
IL 13 MEDIAN				180		2			
IL 13 EB RIGHT TURN				30		1	285		
CAMPGROUND ROAD				150			217		
WATERLINE ENTRANCE				30					
WETLAND MITIGATION SITE (39 ACRES)								117	AREA TO BE MOWED 3 TIMES
<b>TOTALS</b>			<b>8653</b>	<b>4530</b>	<b>1129</b>	<b>3</b>	<b>2490</b>	<b>162</b>	

\* THE ACTUAL DITCH CHECK LOCATION AND QUANTITY IS TO BE DETERMINED BY THE ENGINEER. THE LOCATIONS PROVIDED IN THE SCHEDULE ARE APPROXIMATE TO ESTABLISH A PLAN QUANTITY

SIGN PANEL SCHEDULE

LOCATION (LT/RT)	SIGN DESIG.	SIGN PANEL TYPE 1	REMOVE SIGN PANEL ASSEMBLY, TYPE A	REMOVE SIGN PANEL, TYPE 1	METAL POST TYPE A	WOOD SIGN SUPPORT	REMARKS
		SQ FT	EACH	SQ FT	FOOT	FOOT	
<b>IL 13 EB</b>							
WEST OF CAMPGROUND, LT			1				CROSS ROAD, RECREATION AREA
WEST OF CAMPGROUND, RT			1				CROSS ROAD, RECREATION AREA
WEST OF CAMPGROUND, LT				1			* LEFT TURN LANE
WEST OF CAMPGROUND, RT				1			* RECREATION AREAS
WEST OF CAMPGROUND, RT				4			* CAMPING
AT CAMPGROUND, LT				6			DO NOT ENTER
AT CAMPGROUND, RT				6			DO NOT ENTER
AT CAMPGROUND, RT				1			* STREET SIGN FOR IL 13
AT CAMPGROUND, LT				3			ONE WAY
AT CAMPGROUND, LT				4			YIELD
WEST OF GREENBRIAR, RT				6			* STOP LIGHT AHEAD
WEST OF GREENBRIAR, RT				1			* J. A. L. COLLEGE
WEST OF GREENBRIAR, RT			1				* CARTERVILLE, POP., MILE MARKER
WEST OF CAMPGROUND, LT				1			* YIELD
<b>IL 13 WB</b>							
EAST OF CAMPGROUND, LT			1				CROSSROAD, RECREATION AREA
EAST OF CAMPGROUND, RT			1				CROSSROAD, RECREATION AREA
EAST OF CAMPGROUND, LT				1			* LEFT TURN LANE
EAST OF CAMPGROUND, RT				1			* RECREATION AREAS
EAST OF CAMPGROUND, RT				6			DO NOT ENTER
EAST OF CAMPGROUND, LT				3			ONE WAY
<b>IL 13 SUBTOTAL</b>		<b>0</b>	<b>5</b>	<b>46</b>	<b>0</b>	<b>0</b>	

\* TO BE RELOCATED BY IDOT



SIGN PANEL SCHEDULE CONT.

LOCATION (LT/RT)	SIGN DESIG.	SIGN PANEL TYPE 1	REMOVE SIGN PANEL ASSEMBLY, TYPE A	REMOVE SIGN PANEL, TYPE 1	METAL POST TYPE A	WOOD SIGN SUPPORT	REMARKS
		SQ FT	EACH	SQ FT	FOOT	FOOT	
<b>FRONTAGE ROAD</b>							
FOR EB TRAFFIC, LT	R1-1	6				12	STOP SIGN
FOR WB TRAFFIC, RT	R2-1	5				11	SPEED LIMIT 25
FOR WB TRAFFIC BEFORE PARKING LOT, RT	R1-2	4				13	YIELD
MULTIUSE PATH CROSSING AT GREENBRIAR, LT	R5-3	4			11		NO MOTOR VEHICLES
MULTIUSE PATH CROSSING NORTH OF PARKING LOT, RT	R5-3	4			11		NO MOTOR VEHICLES
MULTIUSE PATH CROSSING NORTH OF PARKING LOT, LT	R5-3	4			11		NO MOTOR VEHICLES
MULTIUSE PATH CROSSING SOUTH OF PARKING LOT, LT	R5-3	4			11		NO MOTOR VEHICLES
<b>GREENBRIAR ROAD</b>							
FOR IL 13/SB TRAFFIC, LT				1			* RECREATION AREAS
FOR SB TRAFFIC, LT				5			* SPEED LIMIT 25
<b>CAMPGROUND ROAD</b>							
AT INTERSECTION			1				STOP SIGN, CROSS TRAFFIC DOES NOT STOP
AT INTERSECTION				6			STOP SIGN
NEAR PARKING LOT				4			* YIELD
NEAR PARKING LOT, FOR EB TRAFFIC				5			* SPEED LIMIT
NEAR PARKING LOT				1			* REC SIGN
NEAR PARKING LOT				1			* REC SIGN
AT INTERSECTION				5			KEEP RIGHT
<b>NORTH BOAT RAMP</b>							
AT ENTRANCE			1				STOP SIGN, CROSS TRAFFIC DOES NOT STOP
<b>SUBTOTAL</b>		32	2	29	42	36	
<b>IL 13 SUBTOTAL</b>		0	5	46	0	0	
<b>TOTALS</b>		32	7	75	42	36	

\* TO BE RELOCATED BY IDOT

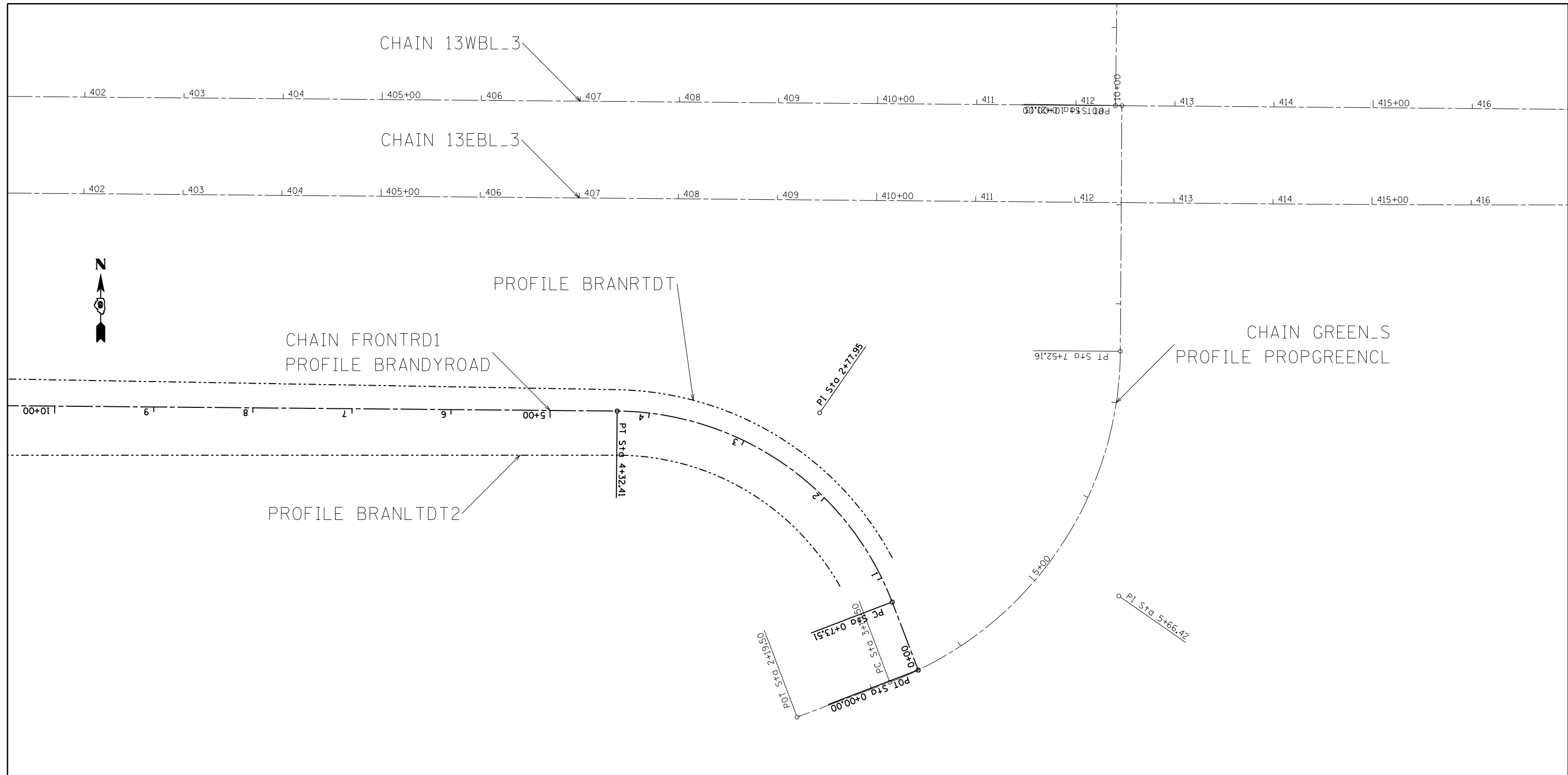
PAVEMENT MARKING SCHEDULE

LOCATION			PAV'T MARKING REMOVAL SQ FT	THERMO. PVMT. MARK., LINE 4"			THERMO. PVMT. MARK., LINE 8"	THERMO. PVMT. MARK., LINE 12"	THERMO. PVMT. MARK., LINE 24"	THERMO. PVMT. MARK., LETTERS AND SYMBOLS SQ FT	REMARKS
STA.	TO	STA.		W-SOLID FOOT	Y-SOLID FOOT	Y-DASHED FOOT	YELLOW SOLID FOOT	WHITE SOLID FOOT	WHITE SOLID FOOT		
FRONTAGE RD											
0+00.00	TO	1+12.40	201	398		23			31		INTERSECTION
1+12.40	TO	63+66.52	4795	12509		1564		150			
PARKING LOT			1414	1600	652	194	748		15	83	
GREENBRIAR											
2+19.50	TO	5+89.00	175	437		93					
5+89.00	TO	8+13.40	235	712							
8+13.40	TO	8+90.20	523	382				204	56	80	INTERSECTION
IL 13											
405+90.00	TO	411+60.00	284	570							
TOTALS			7627	16608	652	1874	748	354	102	163	
				19134							

PAVEMENT MARKING SCHEDULE CONT.

LOCATION			SHORT TERM PAV'T MARKING FOOT	SHORT TERM PAV'T MARKING REMOVAL SQ FT	TEMP. PAV'T MARKINGS, LINE 4" FOOT	TEMP. PAV'T MARKINGS, LINE 8" FOOT	TEMP. PAV'T MARKINGS, LINE 12" FOOT	TEMP. PAV'T MARKINGS, LINE 24" FOOT	TEMP. PAV'T MARKINGS LETTERS & SYMBOLS SQ FT	RAISED REFLECTIVE PAV'T MARKERS EACH	REMARKS
FRONTAGE RD											
0+00.00	TO	1+12.40	9	3	421			31		3	INTERSECTION
1+12.40	TO	63+66.52	626	207	14073		150			157	
PARKING LOT					2446	748		15	83		
GREENBRIAR											
2+19.50	TO	5+89.00	37	13	530					10	
5+89.00	TO	8+13.40	23	8	712					6	
8+13.40	TO	8+90.20	8	3	382		204	56	80	2	INTERSECTION
IL 13											
405+90.00	TO	411+60.00	57	19	570					12	
TOTALS			760	253	19134	748	354	102	163	190	





PROP. CURVE FRONTD1\_3  
 PI STA. = 2+77.95  
 $\Delta$  = 68° 32' 39" (LT)  
 D = 19° 05' 55"  
 R = 300.00'  
 T = 204.43'  
 L = 358.90'  
 E = 63.03'  
 e = -----  
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA. = 0+73.51  
 P.T. STA. = 4+32.41

EXIST. CURVE GREEN\_S\_3  
 PI STA. = 5+66.42  
 $\Delta$  = 69° 00' 00" (LT)  
 D = 15° 56' 52"  
 R = 359.27'  
 T = 246.92'  
 L = 432.66'  
 E = 76.67'  
 e = -----  
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA. = 3+19.50  
 P.T. STA. = 7+52.16

FILE NAME =	USER NAME = maesbl	DESIGNED -	REVISED -
pw:\11084EBIDINTEG.illinois.gov\PIDOT\Documents\DOT Offices\District 9\Projects\13.d		DRAWN =	REVISED =
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/18/2016	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**GEOPAK ELEMENTS  
 IDENTIFICATION SHEET**

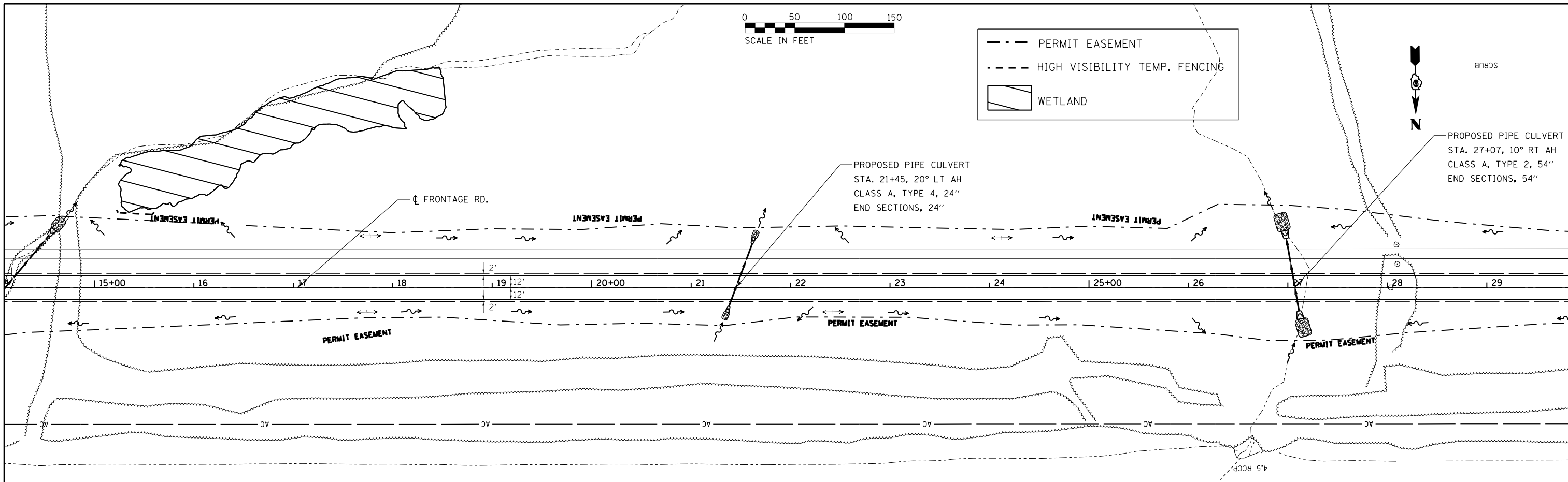
SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-4) R-6	WILLIAMSON	120	36
CONTRACT NO. 78452				
ILLINOIS FED. AID PROJECT				



PLAN	SURVEYED	BY	DATE
	PLOTTED		
	NOTE BOOK		
	NO.		
	FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	NO.		
	STRUCTURE		
	NOTATIONS		

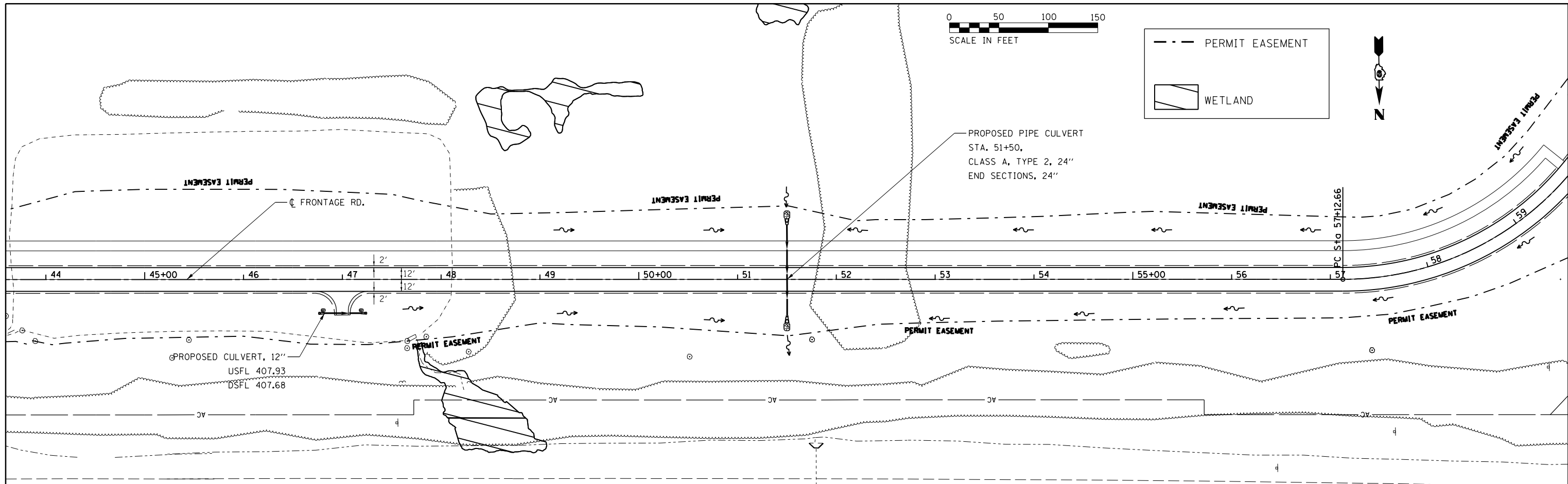


FILE NAME =	USER NAME =	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		ROADWAY PLAN AND PROFILE		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\1\084EBIDINTEG\Illinois.gov\PIDOT\Documents\1007 Offices\District 9\Projects\13.gis\DRAWN\78452\CADData\CADsheets\78452\prFgdn		CHECKED -	REVISED -			331	(1-4) R-6	WILLIAMSON	120	38		
A_BrandyRoad	PLOT SCALE = 100.0000' / 1"	DATE -	REVISED -	SCALE:		SHEET 2 OF 5 SHEETS		STA.	TO STA.	CONTRACT NO. 78452		
	PLOT DATE = 3/18/2016							ILLINOIS FED. AID PROJECT				



PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNED		
	CHECKED		
	FILED		
	NO.		

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

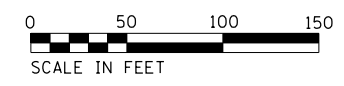


FILE NAME =	USER NAME = maesbl	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				ROADWAY PLAN AND PROFILE FRONTAGE ROAD				F.A.P. R.T. = 331	SECTION (1-4) R-6	COUNTY WILLIAMSON	TOTAL SHEETS 120	SHEET NO. 40
DRAWN =				CHECKED -				SCALE: SHEET 4 OF 5 SHEETS STA. TO STA.				CONTRACT NO. 78452				
PLOT DATE = 3/18/2016				DATE -				ILLINOIS FED. AID PROJECT								

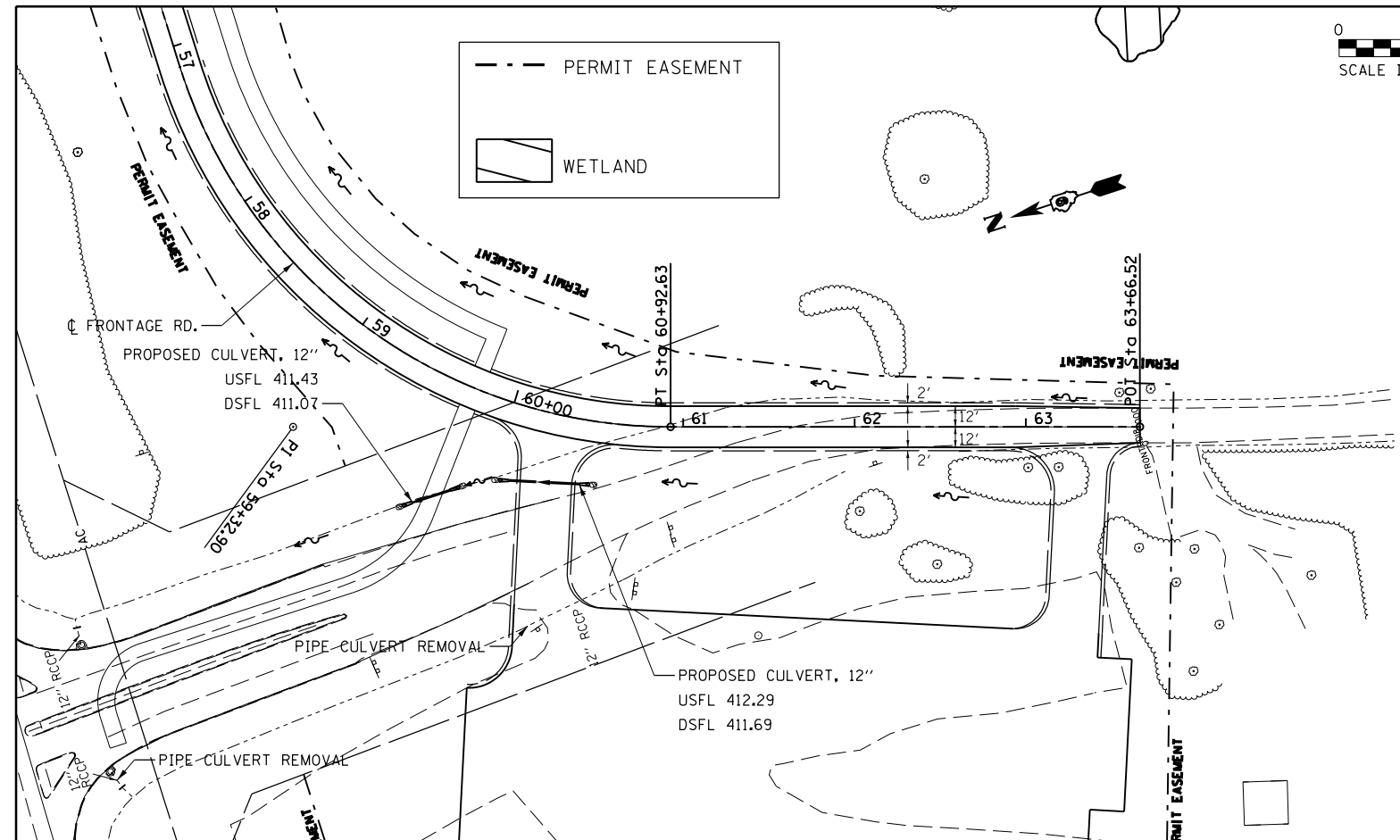


PLAN	SURVEYED	BY	DATE
	PLOTTED		
	NOTE BOOK		
	NO.		
	CHECKED		
	FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES		
	STRUCTURE		
	NOTATIONS		
	NO.		



PROP. CURVE FRONTRD1.6  
 PI STA. = 59+32.90  
 $\Delta = 72^\circ 34' 04''$  (LT)  
 $D = 19^\circ 05' 55''$   
 $R = 300.00'$   
 $T = 220.24'$   
 $L = 379.96'$   
 $E = 72.16'$   
 $e = \text{-----}$   
 $T.R. = \text{-----}$   
 $S.E. \text{ RUN} = \text{-----}$   
 P.C. STA. = 57+12.66  
 P.T. STA. = 60+92.63

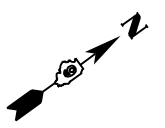


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A_BrandyRoad	PLOT DATE = 3/18/2016	DATE -	REVISED -

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

<b>ROADWAY PLAN AND PROFILE</b>			
<b>FRONTAGE ROAD</b>			
SCALE:	SHEET 5	OF 5 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-4) R-6	WILLIAMSON	120	41
CONTRACT NO. 78452			ILLINOIS FED. AID PROJECT	

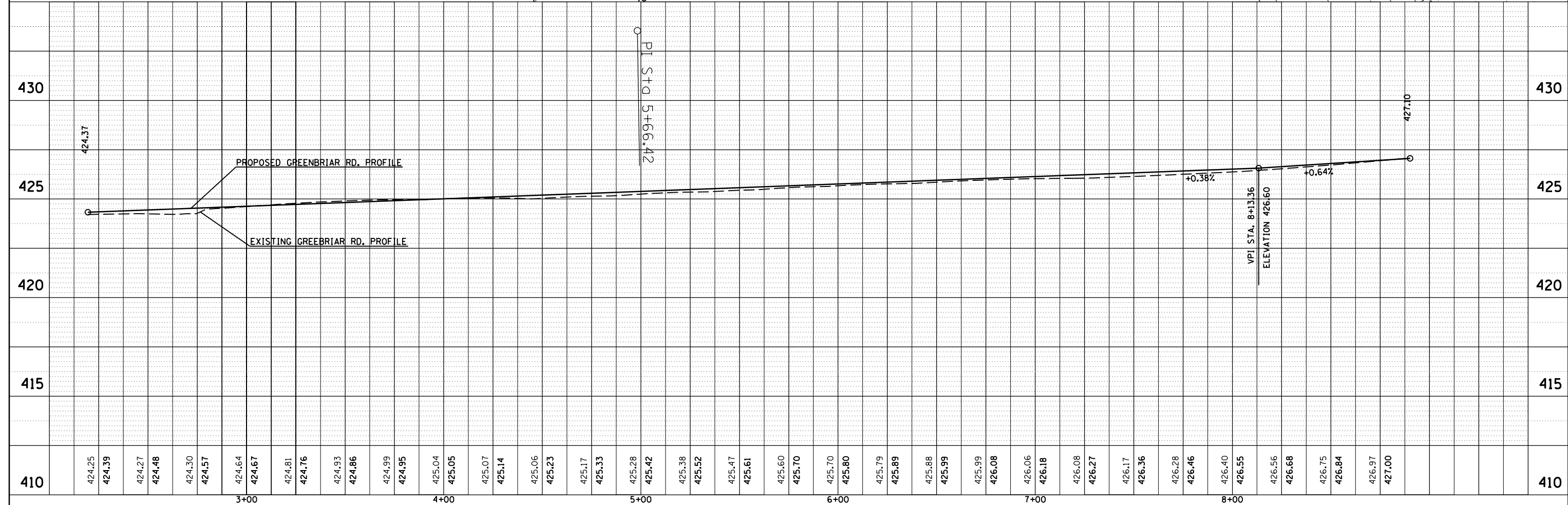
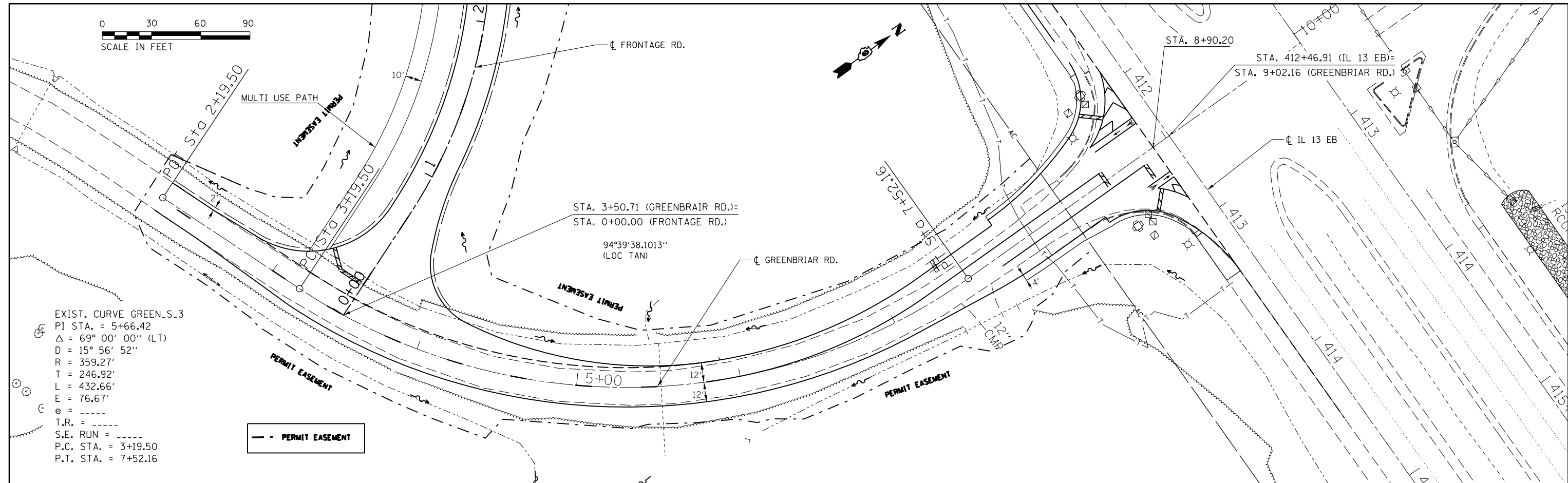


PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNED		
	CHECKED		
	FILED		
	NO.		

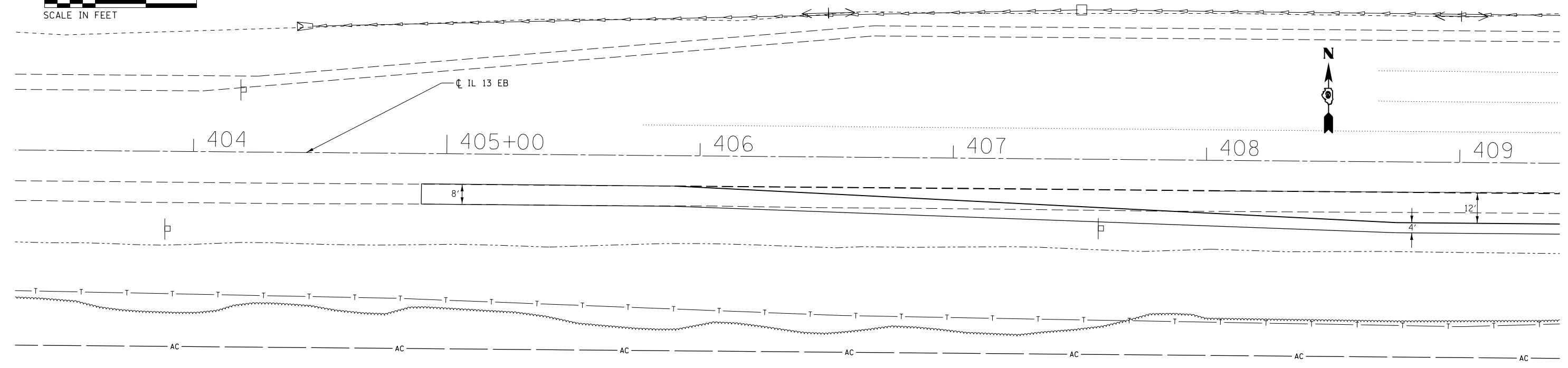
PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES		
	CHECKED		
	STRUCTURE		
	NOT AT THIS OFFICE		
	NO.		

EXIST. CURVE GREEN.S.3  
 PI STA. = 5+66.42  
 $\Delta = 69^\circ 00' 00''$  (LT)  
 $D = 15^\circ 56' 52''$   
 $R = 359.27'$   
 $T = 246.92'$   
 $L = 432.66'$   
 $E = 76.67'$   
 $e =$   
 T.R. =  
 S.E. RUN =  
 P.C. STA. = 3+19.50  
 P.T. STA. = 7+52.16

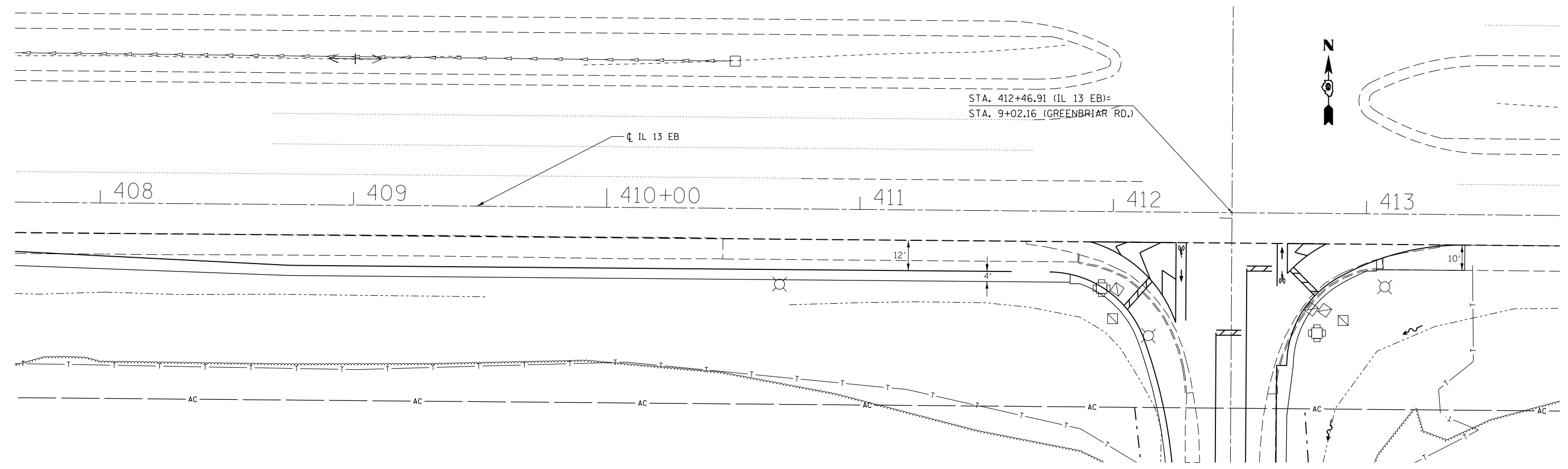
--- PERMIT EASEMENT



FILE NAME =	USER NAME = maesbl	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>ROADWAY PLAN AND PROFILE</b> <b>GREENBRIAR ROAD</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pwt:\IL084EBIDINTEG.allinois.gov\PIDOT\Documents\1007 Offices\District 9\Projects\13.gish\DRAWING\78452\CADData\CADsheets\78452-1.dwg		CHECKED -	REVISED -						331	(1-4) R-6	WILLIAMSON	120	42
B.Greenbriar	PLOT SCALE = 60.0000' / in.	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	CONTRACT NO. 78452	
	PLOT DATE = 3/18/2016											ILLINOIS FED. AID PROJECT	



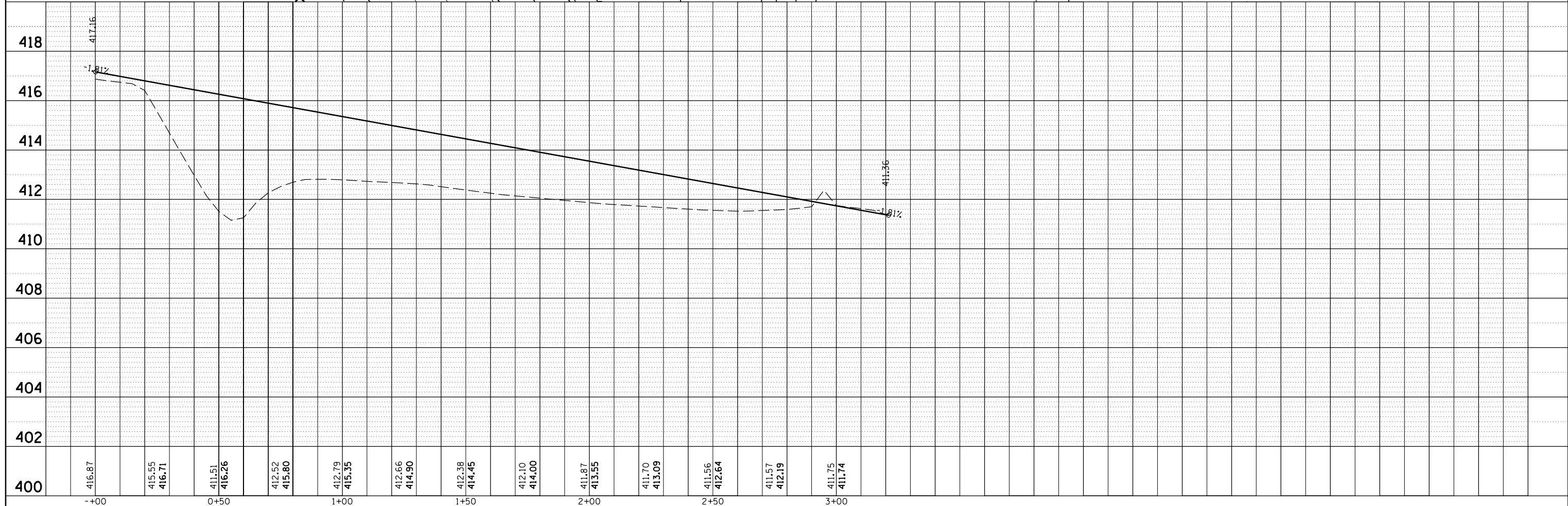
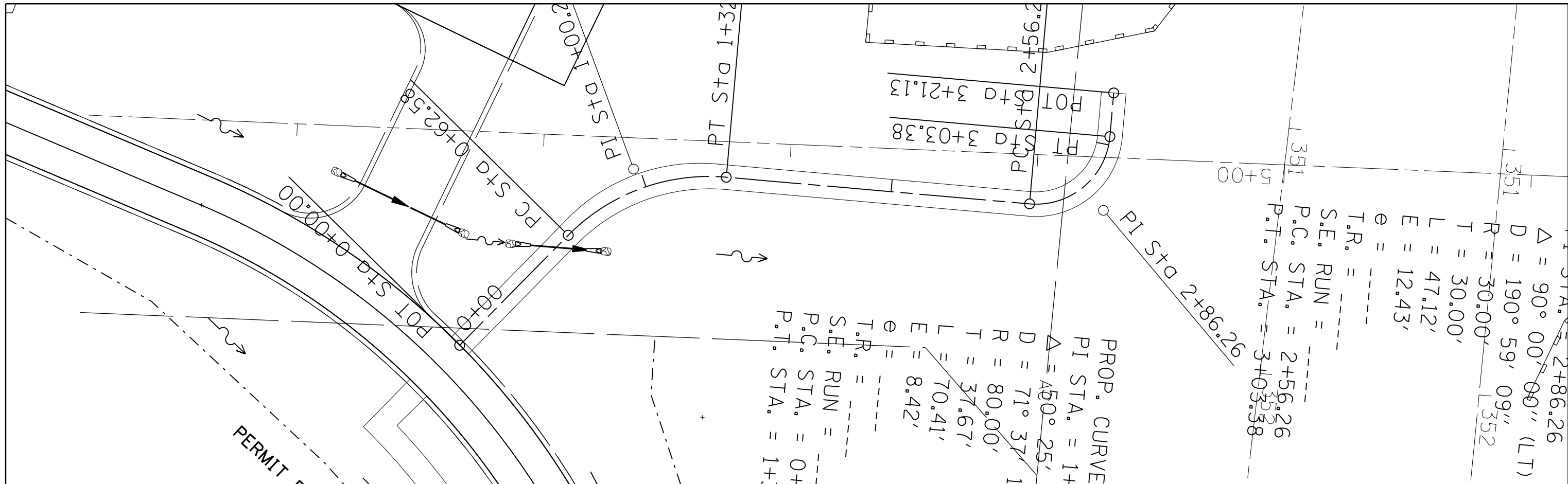
STA. 412+46.91 (IL 13 EB)=  
STA. 9+02.16 (GREENBRIAR RD.)



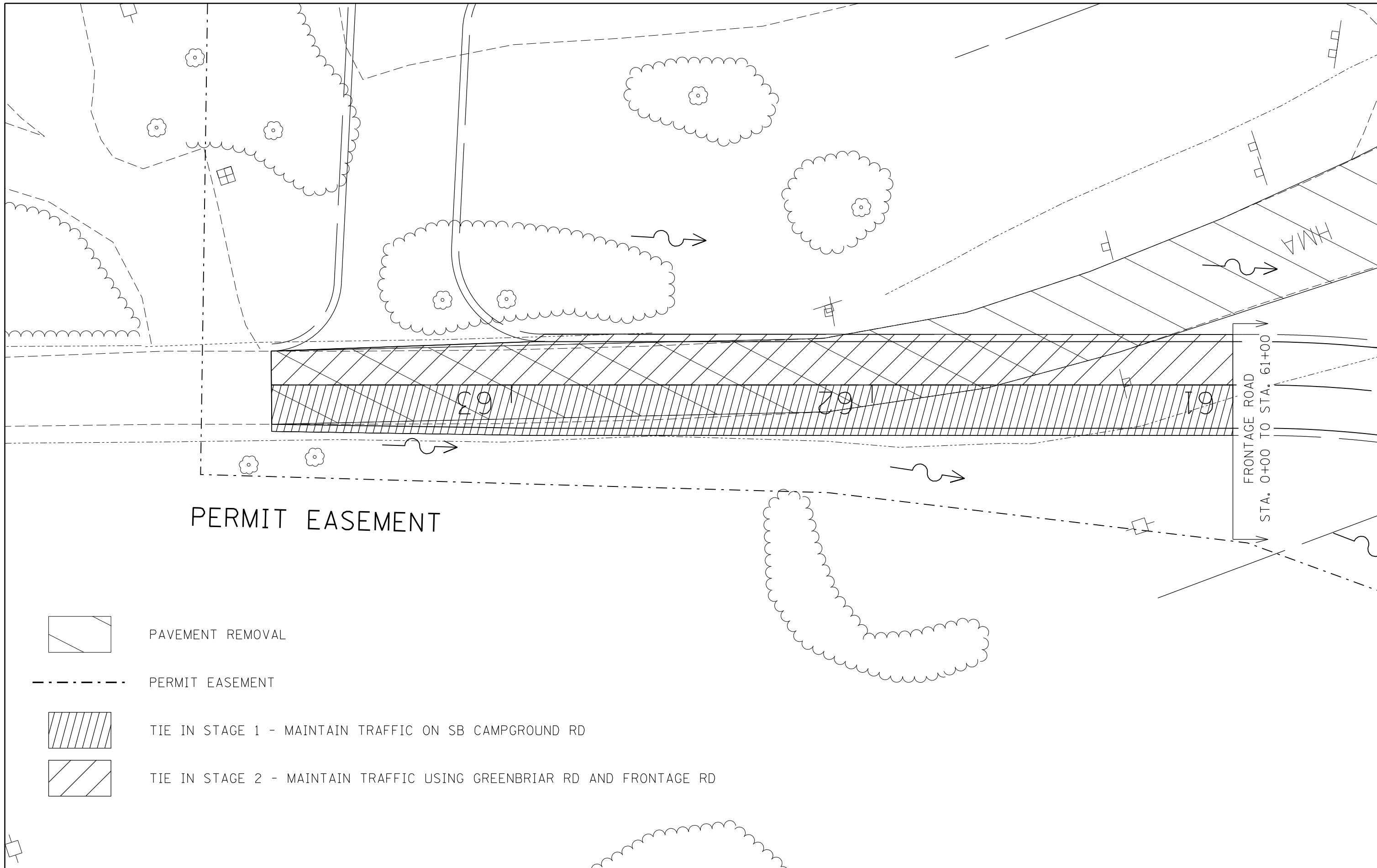
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	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -					CONTRACT NO. 78452	ILLINOIS FED. AID PROJECT			
	PLOT DATE = 3/18/2016	DATE -	REVISED -	SCALE:	SHEET 1	OF 1 SHEETS	STA.	TO STA.				

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

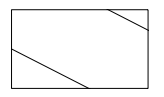
PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE		
	NOTATIS		
	CPAD		
	NO.		



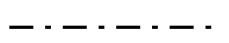
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p:\1\084EBIDINTEG.allinois.gov\PIDOT\Documents\1007 Offices\District 9\Projects\13.gis\DRAWING\78452\CADData\CADsheets\78452\Profile.dgn	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -			331	(1-4R-6	WILLIAMSON	120	44
D.Path	PLOT DATE = 3/18/2016	DATE -	REVISED -			CONTRACT NO. 78452				
						ILLINOIS FED. AID PROJECT				



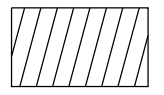
PERMIT EASEMENT



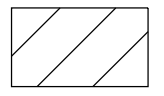
PAVEMENT REMOVAL



PERMIT EASEMENT



TIE IN STAGE 1 - MAINTAIN TRAFFIC ON SB CAMPGROUND RD



TIE IN STAGE 2 - MAINTAIN TRAFFIC USING GREENBRIAR RD AND FRONTAGE RD

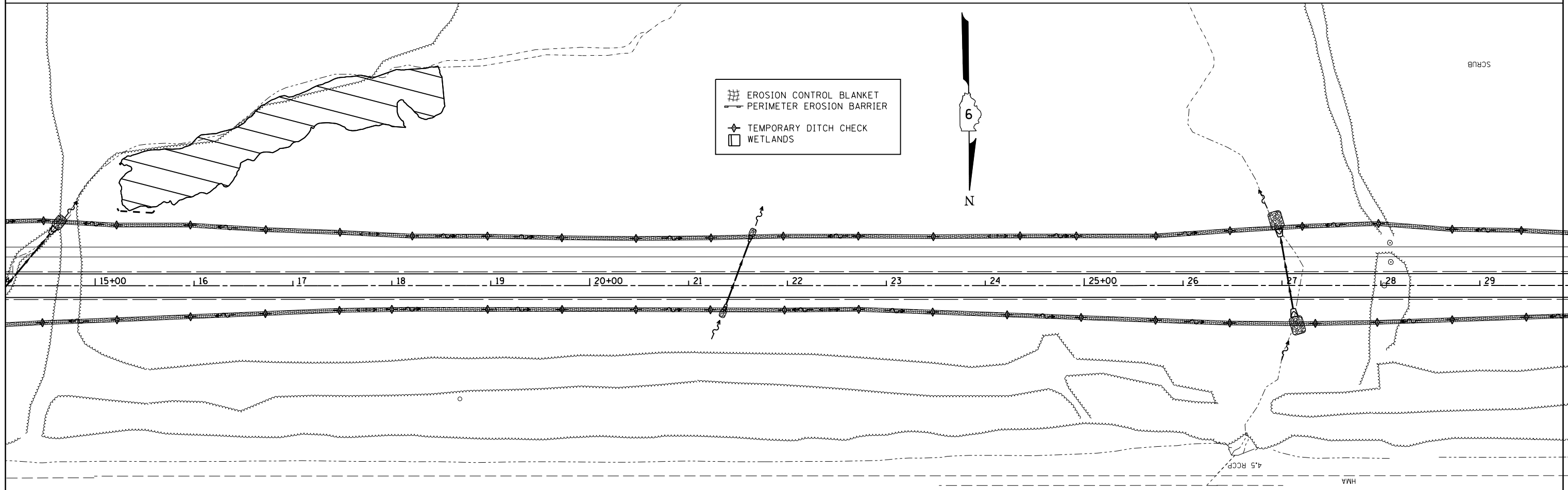
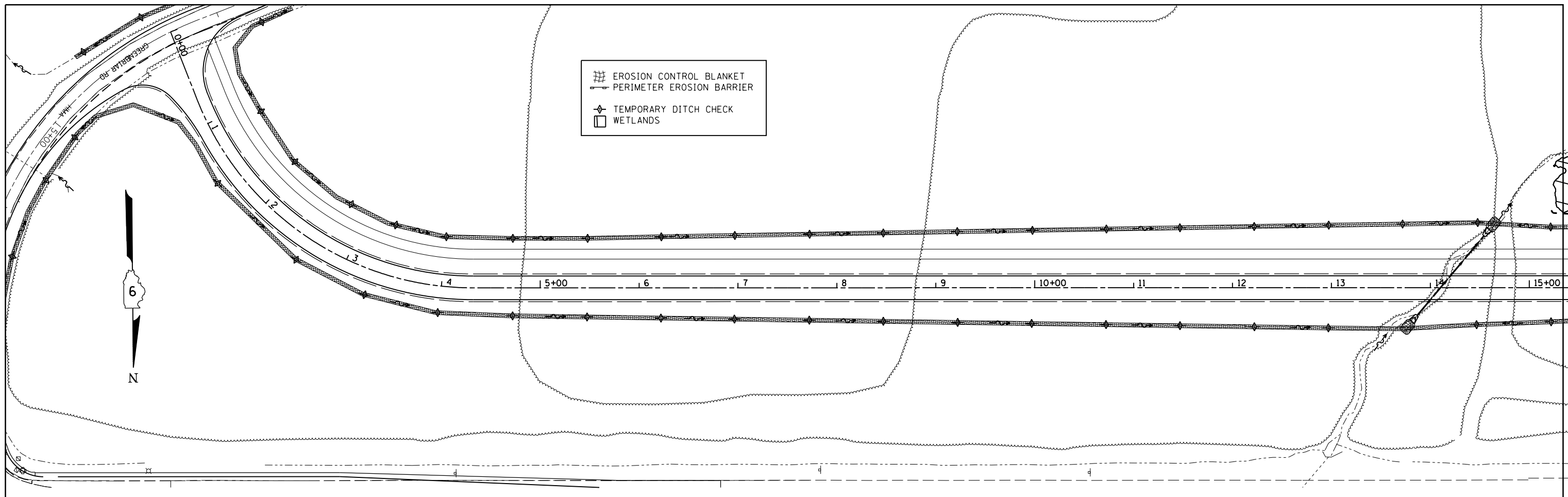
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Default	PLOT SCALE = 24.2914' / 1" =	CHECKED -	REVISED -
	PLOT DATE = 3/18/2016	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED TIE IN STAGING**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-4) R-6	WILLIAMSON	120	45
<b>CONTRACT NO. 78452</b>				
ILLINOIS FED. AID PROJECT				



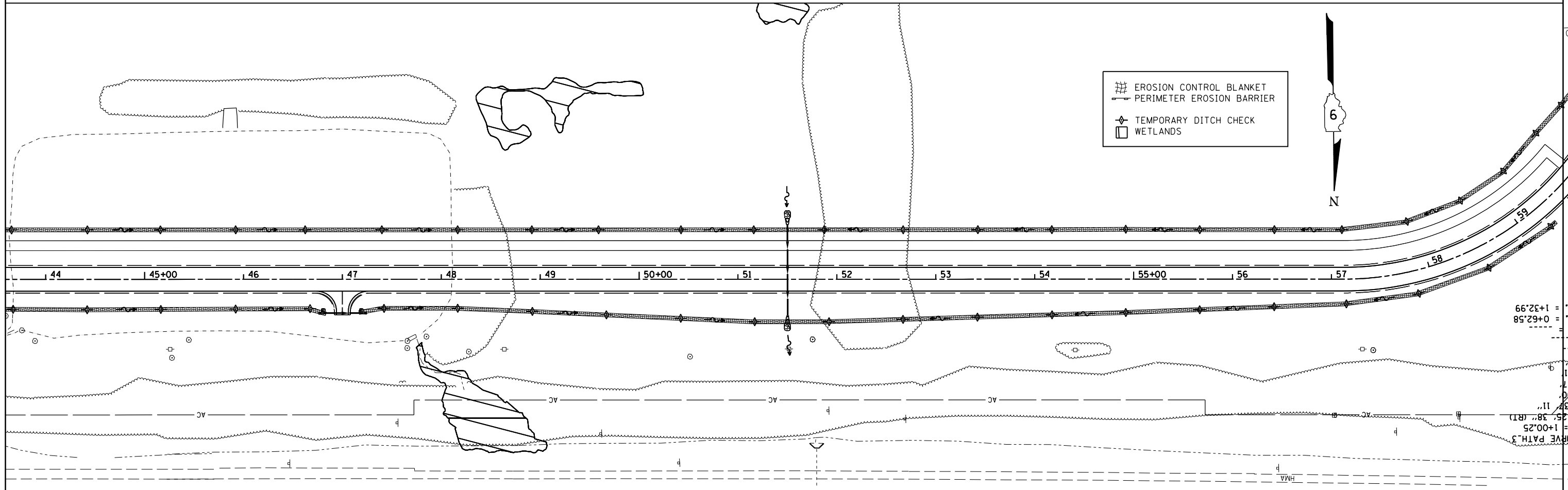
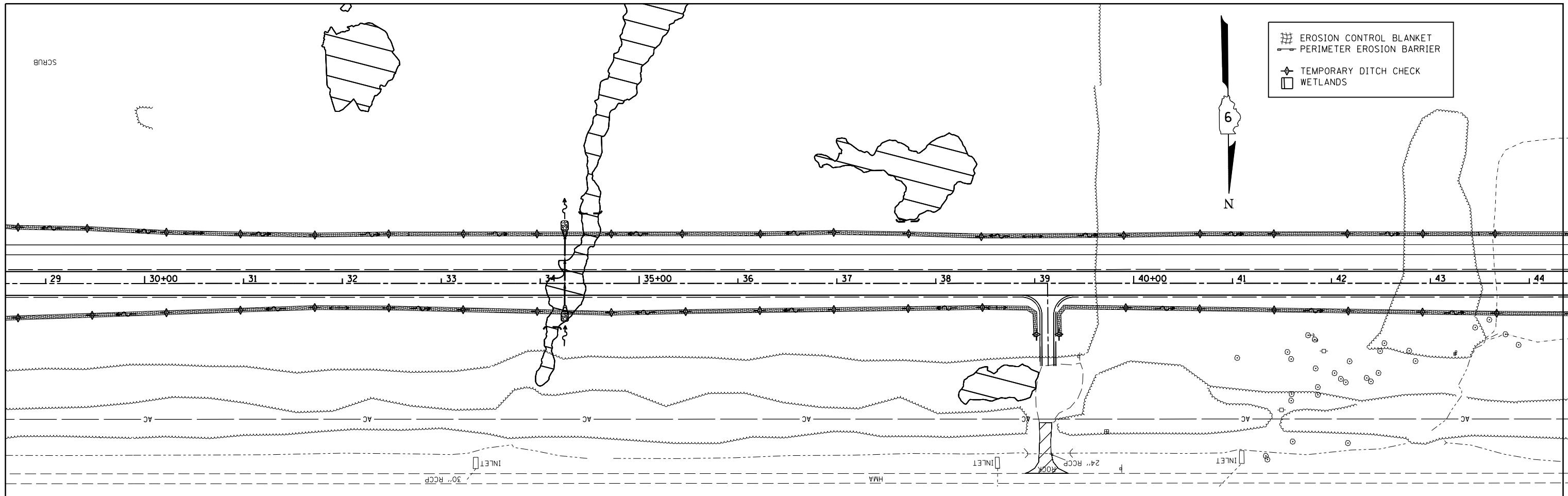
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p:\11\084EBIDINTEG\illinois.gov\PWIDOT\Documents\IDOT Offices\District 9\Projects\13.d	DRAWN = 78452\CADDData\CADsheets\78452	REVISION	Revision.drainage.util.dgn
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/18/2016	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION





EROSION CONTROL PLAN  
 FRONTAGE ROAD

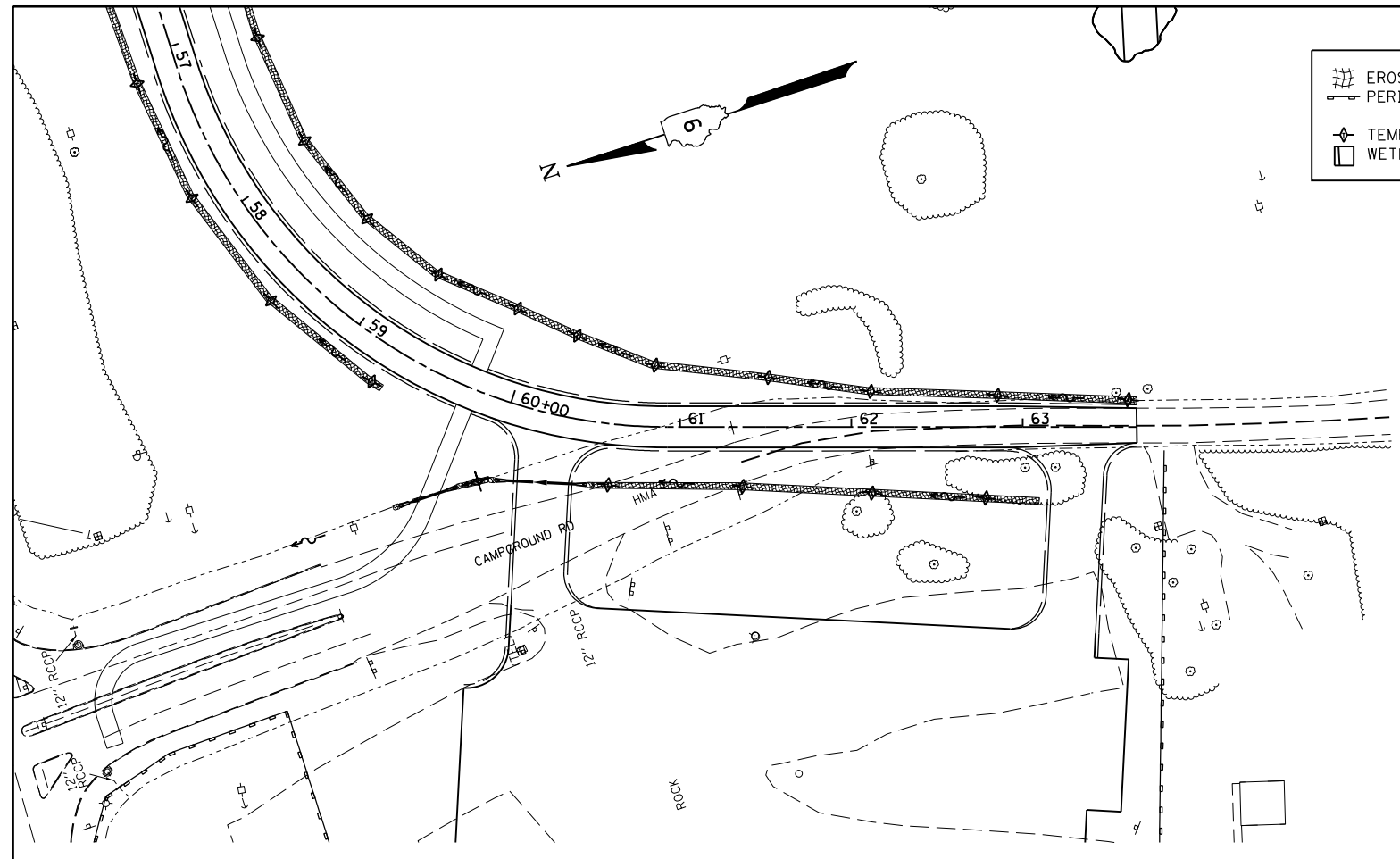
SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-4) R-6	WILLIAMSON	120	46
CONTRACT NO. 78452				
ILLINOIS FED. AID PROJECT				



FILE NAME =	USER NAME = maesbl	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EROSION CONTROL PLAN FRONTAGE ROAD</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG\Illinois.gov\PWIDOT\Documents\DOT Offices\District 9\Projects\13.d	DRAWN =	CHECKED -	REVISED -					331	(1-4) R-6	WILLIAMSON	120	47
Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -					CONTRACT NO. 78452				
	PLOT DATE = 3/18/2016			SCALE: SHEET 2 OF 3 SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT					

-  EROSION CONTROL BLANKET
-  PERIMETER EROSION BARRIER
-  TEMPORARY DITCH CHECK
-  WETLANDS



THIS SPACE INTENTIONALLY LEFT BLANK

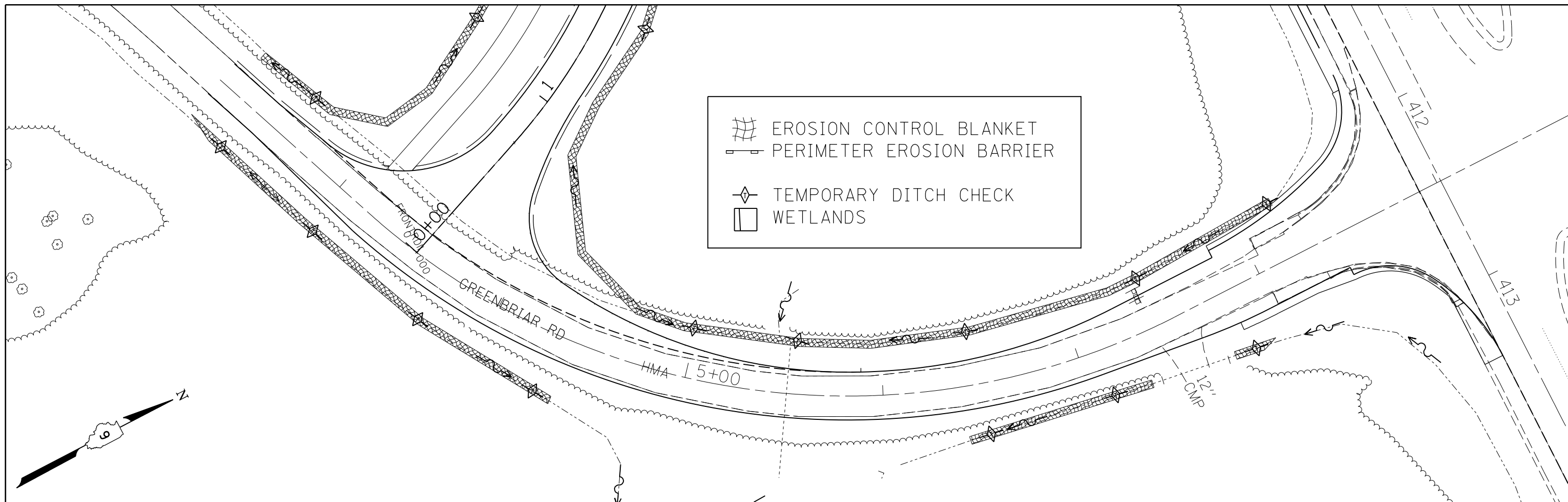
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Default	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -
	PLOT DATE = 3/18/2016	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>EROSION CONTROL PLAN FRONTAGE ROAD</b>			
SCALE:	SHEET 3	OF 3 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-4) R-6	WILLIAMSON	120	48
ILLINOIS FED. AID PROJECT			CONTRACT NO. 78452	





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FILE NAME =	USER NAME = maesbl	DESIGNED -	REVISED -
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		CHECKED -	REVISED -
Default	PLOT DATE = 3/18/2016	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN  
 GREENBRIAR ROAD

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-4) R-6	WILLIAMSON	120	49
CONTRACT NO. 78452			ILLINOIS FED. AID PROJECT	

S  
P  
C

411 412 413

STA. 411+75.05, 24' RT  
(IL 13 EB)

STA. 413+38.98, 12' RT  
(IL 13 EB)

SW QUADRANT IL 13 & GREENBRIAR

STATIONING ALONG IL 13	OFFSET TO EOP	EDGE OF PAV'T ELEV	STATIONING ALONG GREENBRIAR	OFFSET TO EOP	DISTANCE ALONG RADIUS
	FEET	FEET		FEET	
RT 411+75.05	24.00	427.20	LT 8+78.32	71.91	0
RT 411+84.56	25.15	427.16	LT 8+77.16	62.40	10
RT 411+93.88	28.71	427.10	LT 8+73.57	53.09	20
RT 412+02.03	34.47	427.03	LT 8+67.80	44.96	30
RT 412+08.49	42.06	426.94	LT 8+60.19	38.51	40
RT 412+12.89	51.01	426.84	LT 8+51.23	34.13	50
RT 412+16.11	60.48	426.72	LT 8+41.75	30.93	60
RT 412+18.85	70.10	426.60	LT 8+32.13	28.22	70
RT 412+21.10	79.84	426.46	LT 8+22.38	25.99	80
RT 412+22.86	89.68	426.31	LT 8+12.54	24.25	90
RT 412+24.13	99.60	426.15	LT 8+02.62	23.00	100
RT 412+24.90	109.57	425.98	LT 7+92.64	22.25	110
RT 412+25.18	119.56	425.80	LT 7+82.66	22.00	119.61

STA. 8+42.02, 22' RT  
(GREENBRIAR)

SE QUADRANT IL 13 & GREENBRIAR

STATIONING ALONG IL 13	OFFSET TO EOP	EDGE OF PAV'T ELEV	STATIONING ALONG GREENBRIAR	OFFSET TO EOP	DISTANCE ALONG RADIUS
	FEET	FEET		FEET	
RT 412+69.04	60.09	426.46	RT 8+42.02	22.00	0
RT 412+70.26	50.19	426.52	RT 8+51.92	23.24	10
RT 412+73.90	40.90	426.56	RT 8+61.20	26.90	20
RT 412+79.71	32.80	426.60	RT 8+69.29	32.73	30
RT 412+87.35	26.39	426.62	RT 8+75.68	40.39	40
RT 412+96.14	21.64	426.63	RT 8+80.41	49.19	50
RT 413+05.38	17.81	426.62	RT 8+84.22	58.43	60
RT 413+14.95	14.93	426.61	RT 8+87.08	68.01	70
RT 413+24.76	13.02	426.58	RT 8+88.97	77.83	80
RT 413+34.72	12.09	426.55	RT 8+89.87	87.78	90
RT 413+38.98	12.00	426.54	RT 8+89.95	92.04	94.26

STA. 7+82.66, 22' LT  
(GREENBRIAR)



NW QUADRANT GREENBRIAR & FRONTAGE

STATIONING ALONG GREENBRIAR	OFFSET TO EOP	EDGE OF PAV'T ELEV	STATIONING ALONG FRONTAGE	OFFSET TO EOP	DISTANCE ALONG RADIUS
	FEET			FEET	
LT 5+79.30	12.00	424.79	RT 0+87.29	199.69	0
LT 5+68.95	12.06	424.77	RT 0+83.59	191.78	10
LT 5+58.61	12.22	424.75	RT 0+79.97	183.70	20
LT 5+48.25	12.50	424.73	RT 0+76.43	175.46	30
LT 5+37.90	12.90	424.71	RT 0+72.67	167.06	40
LT 5+27.53	13.40	424.69	RT 0+67.55	158.47	50
LT 5+17.15	14.01	424.67	RT 0+62.78	149.68	60
LT 5+06.76	14.74	424.65	RT 0+58.36	140.71	70
LT 4+96.36	15.57	424.63	RT 0+54.30	131.57	80
LT 4+85.94	16.52	424.61	RT 0+50.62	122.28	90
LT 4+75.50	17.57	424.59	RT 0+47.30	112.84	100
LT 4+65.04	18.74	424.57	RT 0+44.37	103.28	110
LT 4+54.56	20.01	424.55	RT 0+41.82	93.61	120
LT 4+44.05	21.38	424.53	RT 0+39.67	83.85	130
LT 4+33.51	22.87	424.51	RT 0+37.90	74.01	140
LT 4+22.94	24.48	424.49	RT 0+36.55	64.10	150
LT 4+12.69	27.48	424.47	RT 0+36.92	54.13	160
LT 4+03.29	32.51	424.45	RT 0+39.75	44.00	170
LT 3+95.21	39.33	424.43	RT 0+44.86	36.00	180
LT 3+88.93	47.64	424.41	RT 0+51.93	28.97	190
LT 3+84.92	57.01	424.39	RT 0+60.52	23.90	200
LT 3+82.44	66.79	424.37	RT 0+69.81	20.19	210
LT 3+80.42	76.66	424.35	RT 0+78.96	17.01	220
LT 3+78.91	86.59	424.33	RT 0+88.17	14.58	230
LT 3+77.96	96.57	424.31	RT 0+97.60	12.94	240
LT 3+77.76	106.56	424.30	RT 1+07.17	12.11	250
LT 3+77.64	112.04	424.30	RT 1+12.44	12.00	255.48

STA. 5+79.30, 12' LT  
(GREENBRIAR)

STA. 1+12.44, 12' RT  
(FRONTAGE)

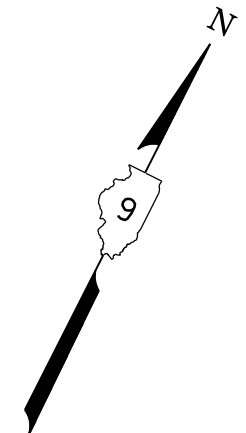
STA. 1+12.44, 12' RT  
(FRONTAGE)

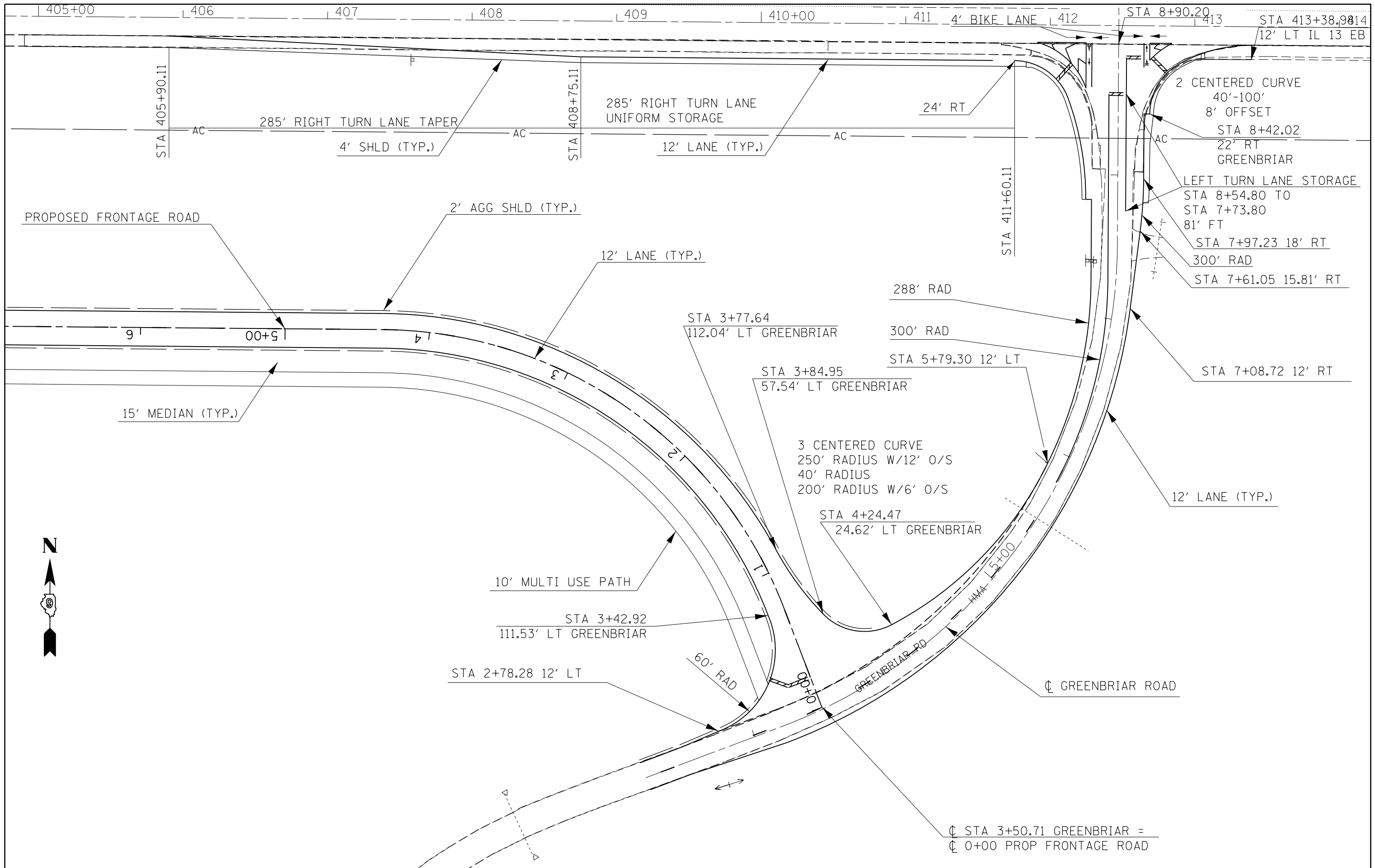
SW QUADRANT GREENBRIAR & FRONTAGE

STATIONING ALONG GREENBRIAR	OFFSET TO EOP	EDGE OF PAV'T ELEV	STATIONING ALONG FRONTAGE	OFFSET TO EOP	DISTANCE ALONG RADIUS
	FEET			FEET	
LT 3+42.92	111.53	424.30	LT 1+12.44	12.00	0
LT 3+43.65	101.54	424.30	LT 1+02.02	12.00	10
LT 3+43.87	91.54	424.29	LT 0+91.61	12.00	20
LT 3+43.62	81.54	424.28	LT 0+81.19	12.00	30
LT 3+42.97	71.56	424.27	LT 0+70.88	12.00	40
LT 3+41.21	61.67	424.27	LT 0+60.93	12.86	50
LT 3+37.68	52.14	424.27	LT 0+51.26	15.36	60
LT 3+32.59	43.17	424.27	LT 0+42.14	19.42	70
LT 3+26.19	34.98	424.28	LT 0+33.82	24.95	80
LT 3+18.75	27.70	424.28	LT 0+26.53	31.77	90
LT 3+10.84	21.60	424.27	LT 0+20.47	39.72	100
LT 3+02.03	16.90	424.26	LT 0+15.81	48.56	110
LT 2+92.56	13.72	424.24	LT 0+12.69	58.04	120
LT 2+82.69	12.16	424.22	LT 0+11.18	67.92	130
LT 2+78.28	12.00	424.21	LT 0+11.05	72.33	134.42

STA. 2+78.28,  
12' RT  
(GREENBRIAR)

15+00



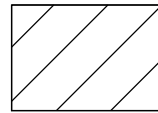


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		DATE -	REVISED -

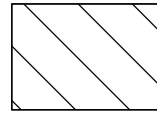
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>INTERSECTION DETAIL</b>			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-4) R-6	WILLIAMSON	120	52
CONTRACT NO. 78452				
ILLINOIS FED. AID PROJECT				



PAVEMENT REMOVAL

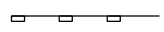


BOAT RAMP REMOVAL

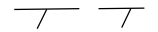
• THE UNDERWATER LIMITS OF THE PRECAST CONCRETE COULD NOT BE VISUALLY OBSERVED OR DETERMINED AND IS APPROXIMATE.



INLET & PIPE PROTECTION



PERIMETER EROSION BARRIER



CURB AND GUTTER REMOVAL

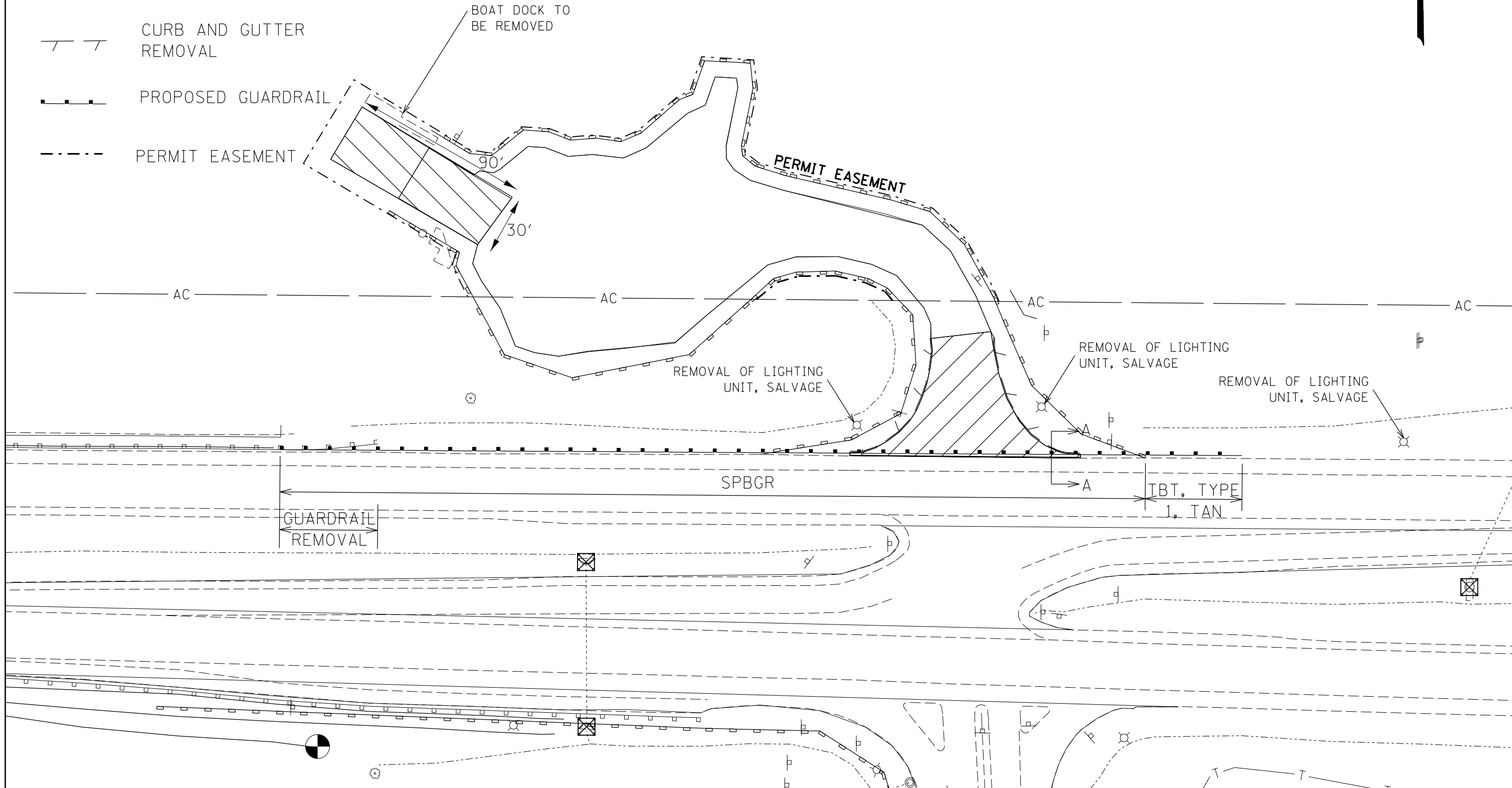
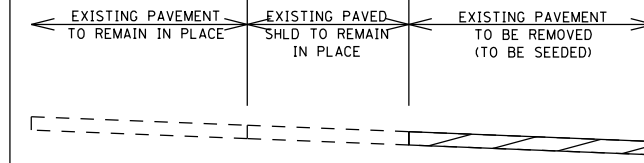


PROPOSED GUARDRAIL



PERMIT EASEMENT

SECTION A-A (TYPICAL)



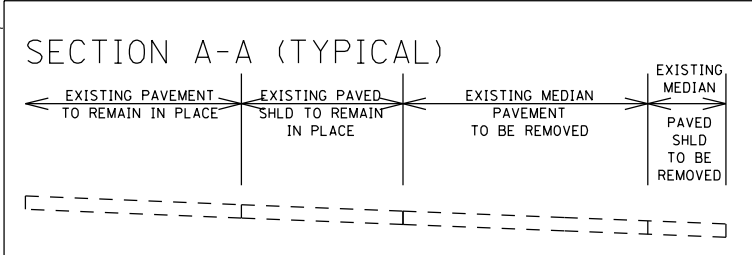
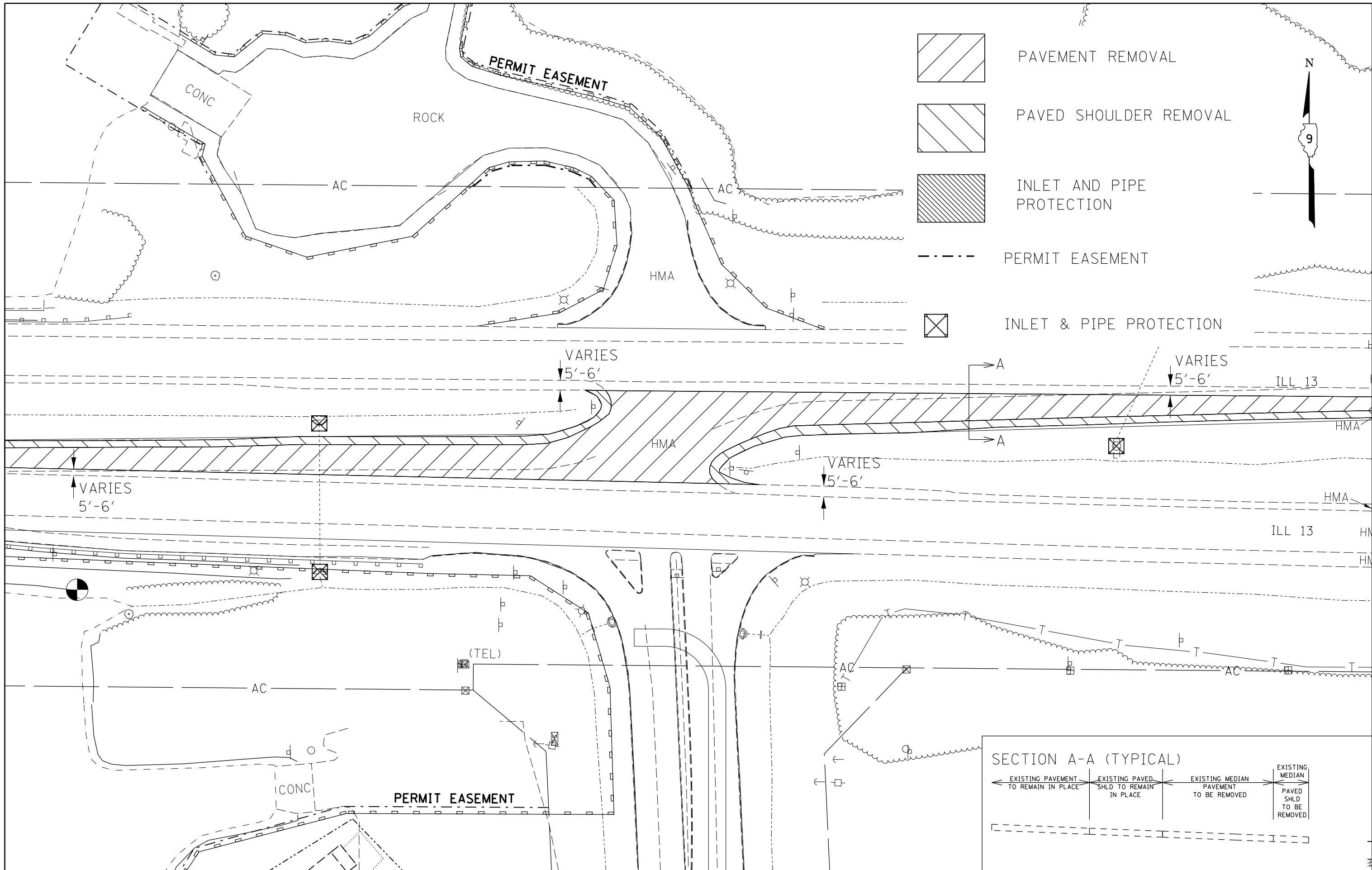
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50_Scale	PLOT DATE = 3/18/2016	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

REMOVAL DETAILS  
NORTH BOAT LAUNCH

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-4) R-6	WILLIAMSON	120	53
CONTRACT NO. 78452				
ILLINOIS FED. AID PROJECT				



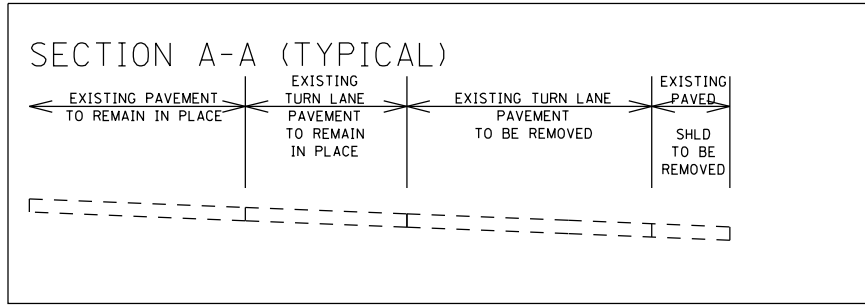
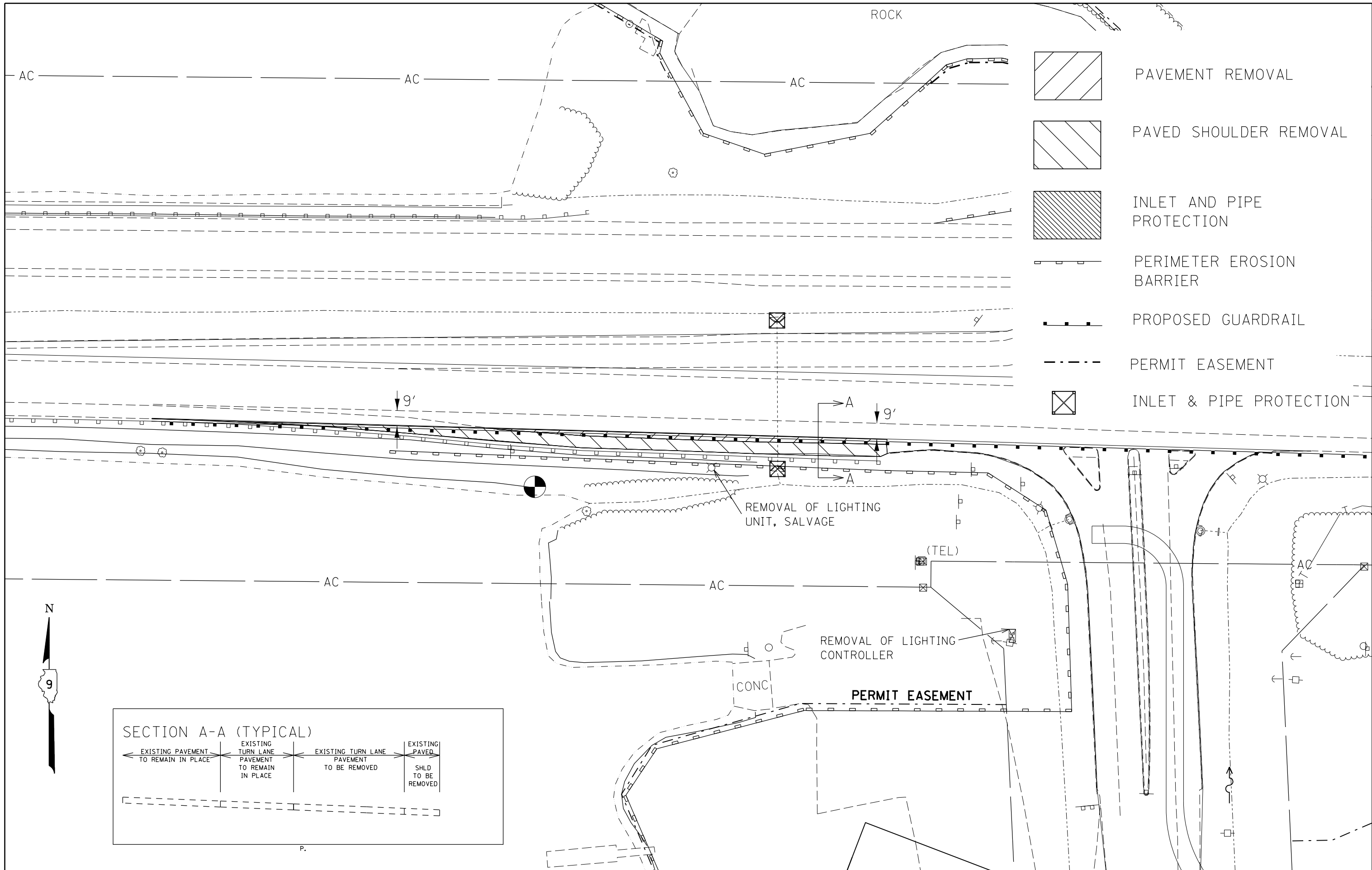
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		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**REMOVAL DETAILS  
IL 13 EB MEDIAN**

SCALE:      SHEET      OF      SHEETS      STA.      TO      STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-4) R-6	WILLIAMSON	120	54
CONTRACT NO. 78452				
ILLINOIS FED. AID PROJECT				



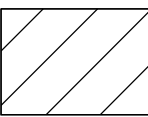
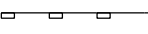
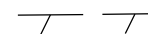
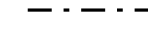

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		DATE -	REVISED -

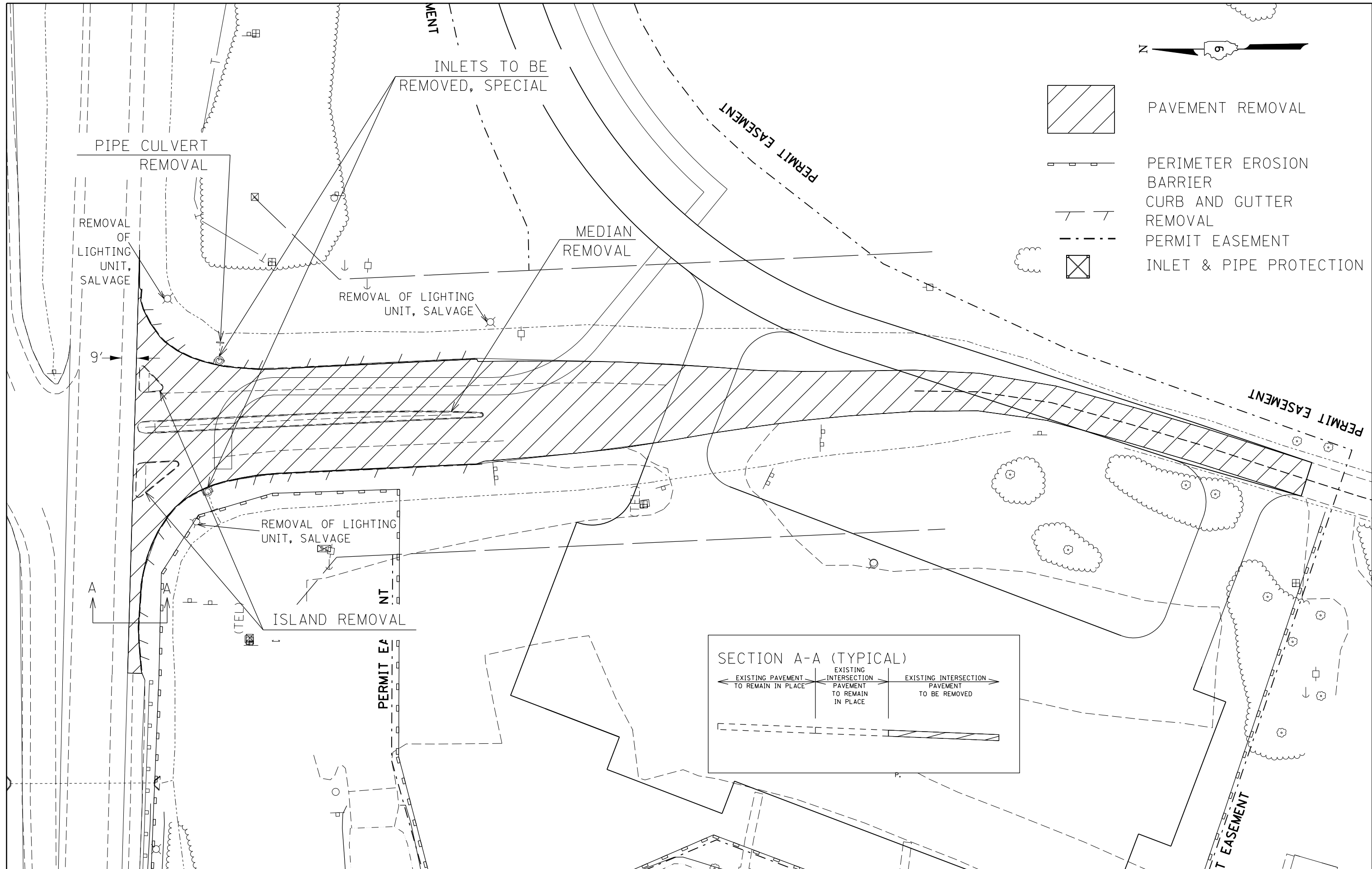
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**REMOVAL DETAILS  
IL 13 EB RIGHT TURN LANE**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-4) R-6	WILLIAMSON	120	55
CONTRACT NO. 78452			ILLINOIS FED. AID PROJECT	



-  PAVEMENT REMOVAL
-  PERIMETER EROSION BARRIER
-  CURB AND GUTTER REMOVAL
-  PERMIT EASEMENT
-  INLET & PIPE PROTECTION



FILE NAME =	USER NAME = maesbl	DESIGNED -	REVISED -
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		DATE -	REVISED -

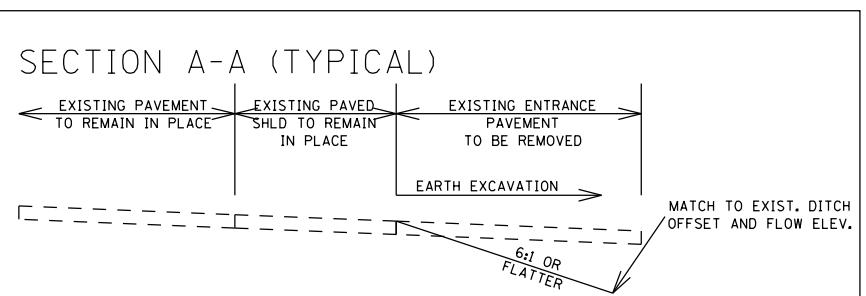
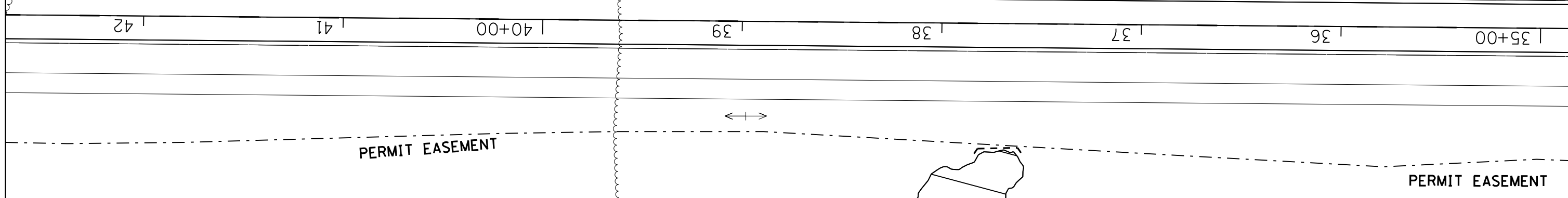
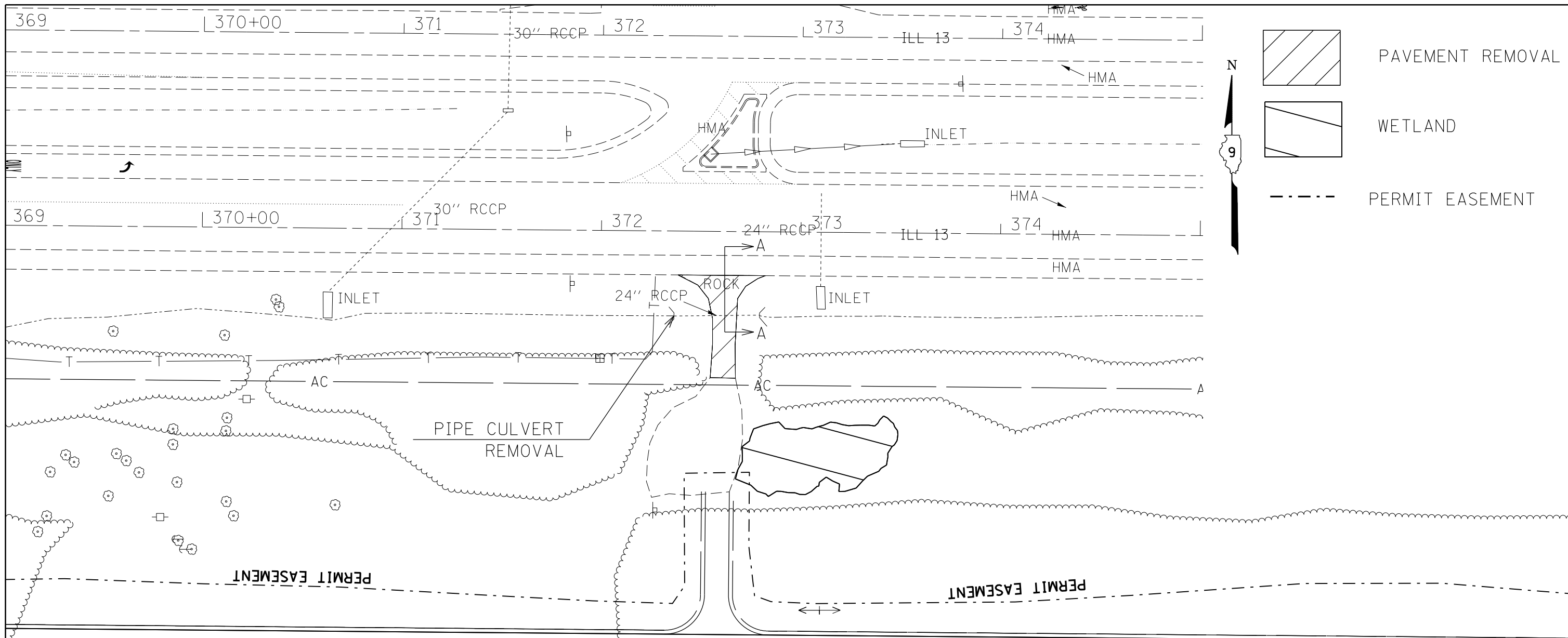
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**REMOVAL DETAILS  
CAMPGROUND ROAD**

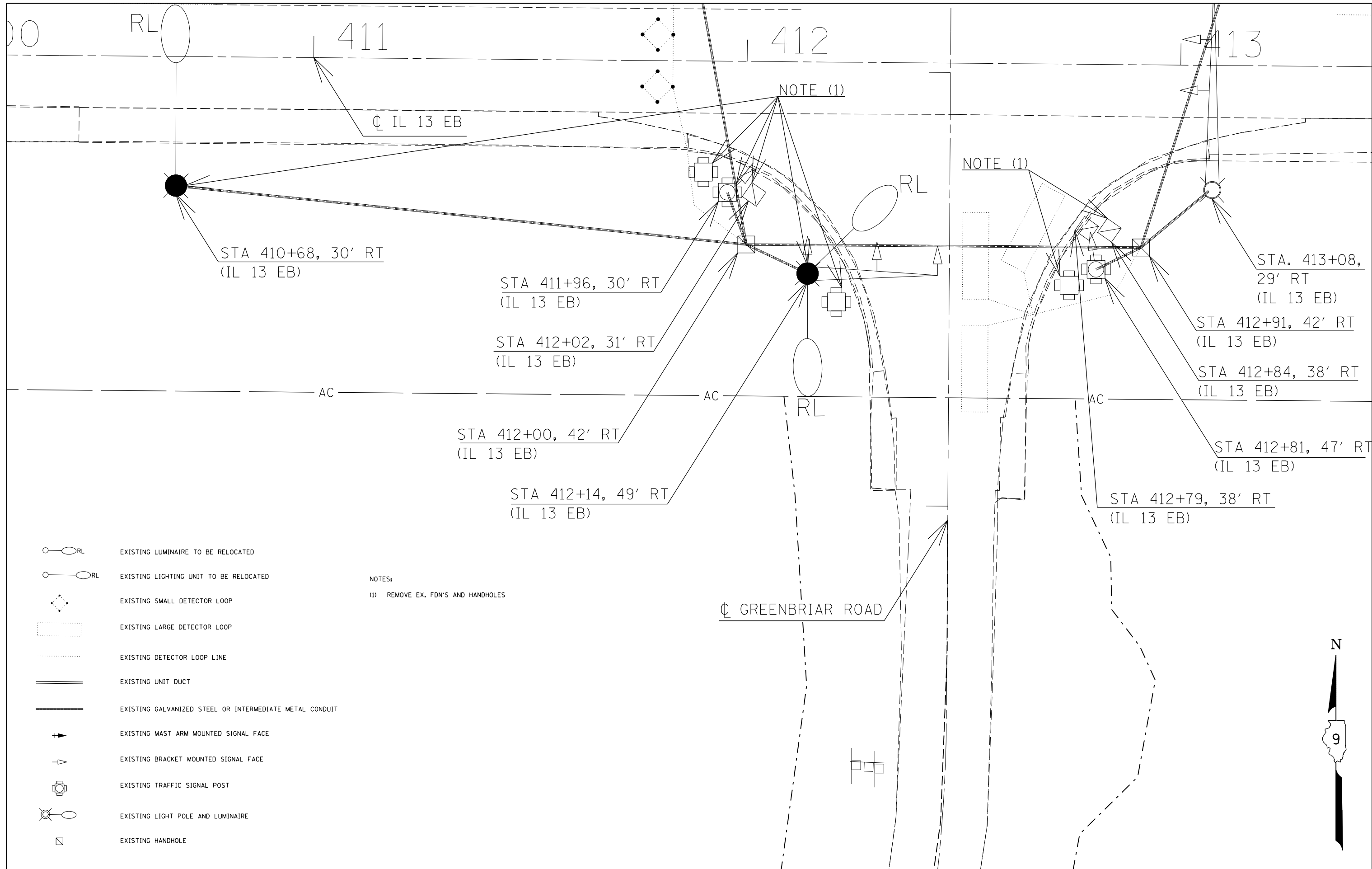
SCALE:      SHEET      OF      SHEETS      STA.      TO      STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-4) R-6	WILLIAMSON	120	56
CONTRACT NO. 78452			ILLINOIS FED. AID PROJECT	





FILE NAME =	USER NAME = mab1	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>REMOVAL DETAILS WATER LINE ENTRANCE</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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50_Scale	PLOT SCALE = 50.0000' / in.	DATE -	REVISED -		CONTRACT NO. 78452				ILLINOIS FED. AID PROJECT				
	PLOT DATE = 3/18/2016			SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.			



STA 410+68, 30' RT  
(IL 13 EB)

STA 411+96, 30' RT  
(IL 13 EB)

STA 412+02, 31' RT  
(IL 13 EB)

STA 412+00, 42' RT  
(IL 13 EB)

STA 412+14, 49' RT  
(IL 13 EB)

NOTE (1)

NOTE (1)

STA. 413+08,  
29' RT  
(IL 13 EB)

STA 412+91, 42' RT  
(IL 13 EB)

STA 412+84, 38' RT  
(IL 13 EB)

STA 412+81, 47' RT  
(IL 13 EB)

STA 412+79, 38' RT  
(IL 13 EB)

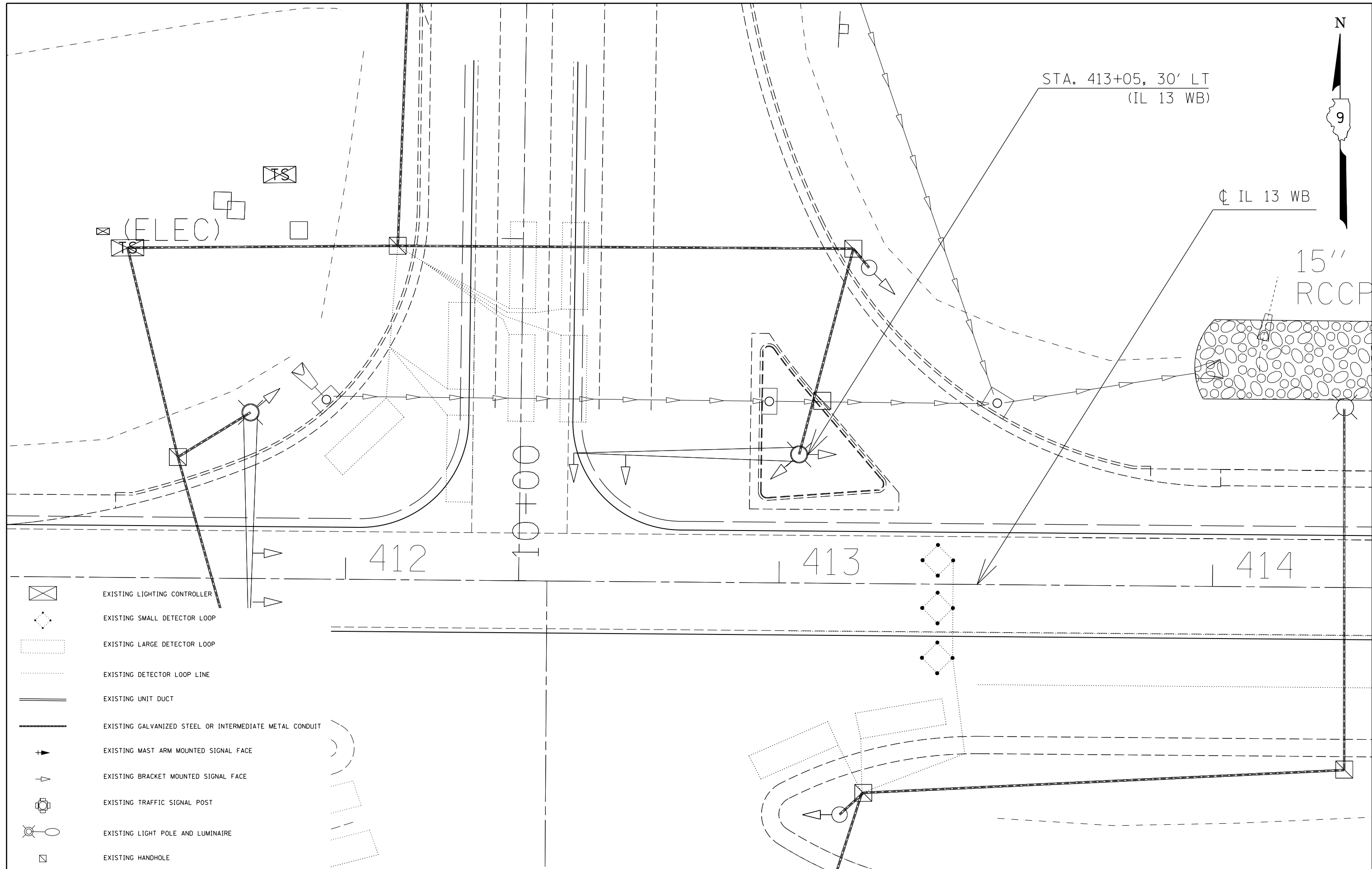
GREENBRIAR ROAD




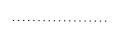







- EXISTING LUMINAIRE TO BE RELOCATED
- EXISTING LIGHTING UNIT TO BE RELOCATED
- EXISTING SMALL DETECTOR LOOP
- EXISTING LARGE DETECTOR LOOP
- EXISTING DETECTOR LOOP LINE
- EXISTING UNIT DUCT
- EXISTING GALVANIZED STEEL OR INTERMEDIATE METAL CONDUIT
- EXISTING MAST ARM MOUNTED SIGNAL FACE
- EXISTING BRACKET MOUNTED SIGNAL FACE
- EXISTING TRAFFIC SIGNAL POST
- EXISTING LIGHT POLE AND LUMINAIRE
- EXISTING HANDHOLE

NOTES:  
(1) REMOVE EX. FDN'S AND HANDHOLES



FILE NAME =	USER NAME = maesbl	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EXISTING TRAFFIC SIGNALS AND LIGHTING IL 13 / GREENBRIAR - SOUTH QUADRANTS</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
p:\IL\084EBIDINTEG\illinois.gov\PIDOT\Documents\IDOT Offices\District 9\Projects\13...DRAWN: 78452\CADDData\CADsheets\78452\edw\edw.dgn						331	(1-4) R-6	WILLIAMSON	120	58	
PLOT SCALE = 20.0000' / in.						CONTRACT NO. 78452					
20_Scale				DATE -				ILLINOIS FED. AID PROJECT			



-  EXISTING LIGHTING CONTROLLER
-  EXISTING SMALL DETECTOR LOOP
-  EXISTING LARGE DETECTOR LOOP
-  EXISTING DETECTOR LOOP LINE
-  EXISTING UNIT DUCT
-  EXISTING GALVANIZED STEEL OR INTERMEDIATE METAL CONDUIT
-  EXISTING MAST ARM MOUNTED SIGNAL FACE
-  EXISTING BRACKET MOUNTED SIGNAL FACE
-  EXISTING TRAFFIC SIGNAL POST
-  EXISTING LIGHT POLE AND LUMINAIRE
-  EXISTING HANDHOLE

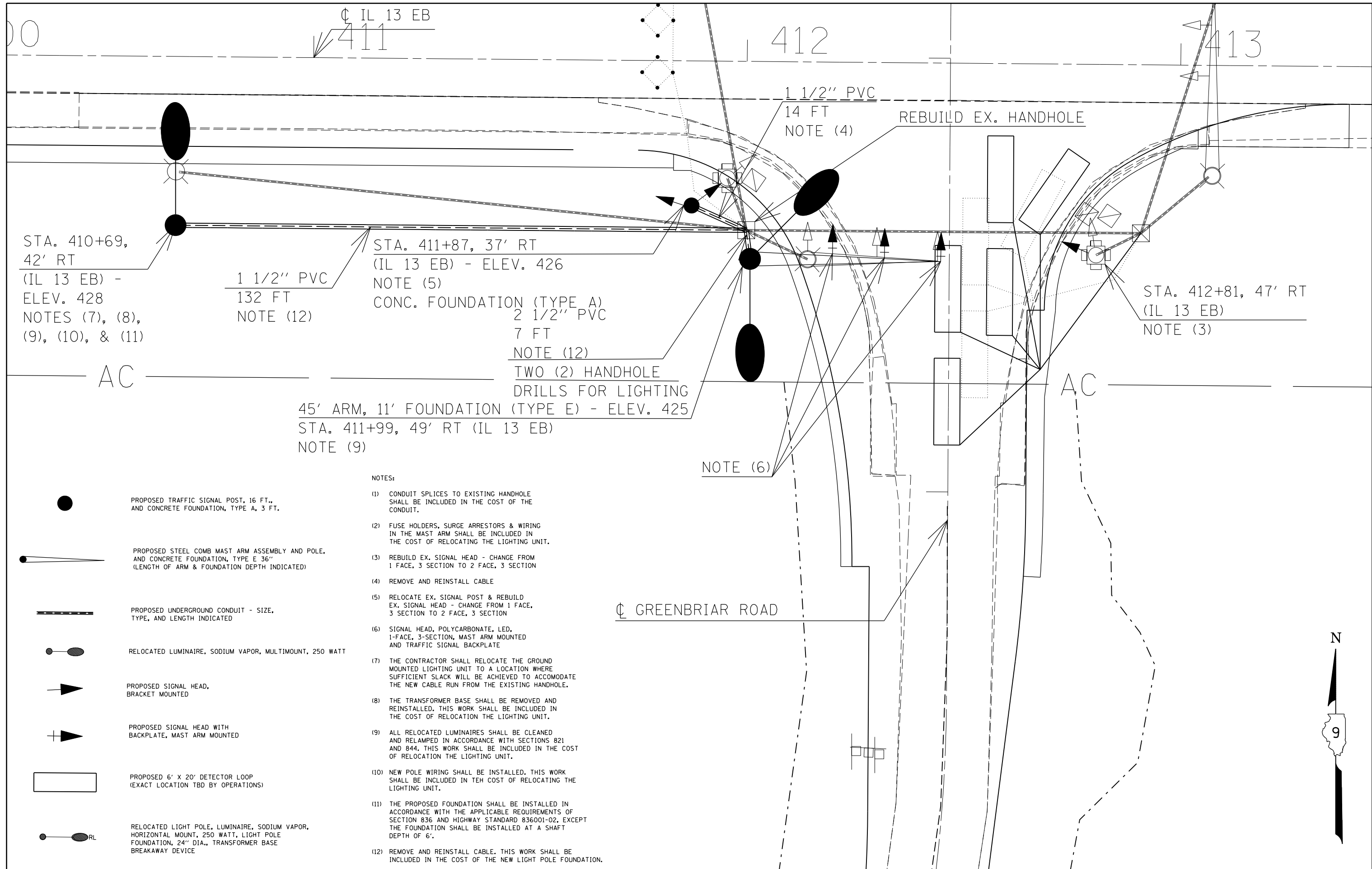
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20_Scale	PLOT SCALE = 20.0000' / in.	DATE -	REVISED -
	PLOT DATE = 5/17/2016		

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXISTING TRAFFIC SIGNALS AND LIGHTING  
IL 13 / GREENBRIAR - NORTH QUADRANTS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-4) R-6	WILLIAMSON	120	59
CONTRACT NO. 78452				
ILLINOIS FED. AID PROJECT				



STA. 410+69,  
42' RT  
(IL 13 EB) -  
ELEV. 428  
NOTES (7), (8),  
(9), (10), & (11)

1 1/2" PVC  
132 FT  
NOTE (12)

STA. 411+87, 37' RT  
(IL 13 EB) - ELEV. 426  
NOTE (5)  
CONC. FOUNDATION (TYPE A)  
2 1/2" PVC  
7 FT  
NOTE (12)

45' ARM, 11' FOUNDATION (TYPE E) - ELEV. 425  
STA. 411+99, 49' RT (IL 13 EB)  
NOTE (9)

1 1/2" PVC  
14 FT  
NOTE (4)

REBUILD EX. HANDHOLE

STA. 412+81, 47' RT  
(IL 13 EB)  
NOTE (3)

NOTE (6)

NOTES:

- (1) CONDUIT SPLICES TO EXISTING HANDHOLE SHALL BE INCLUDED IN THE COST OF THE CONDUIT.
- (2) FUSE HOLDERS, SURGE ARRESTORS & WIRING IN THE MAST ARM SHALL BE INCLUDED IN THE COST OF RELOCATING THE LIGHTING UNIT.
- (3) REBUILD EX. SIGNAL HEAD - CHANGE FROM 1 FACE, 3 SECTION TO 2 FACE, 3 SECTION
- (4) REMOVE AND REINSTALL CABLE
- (5) RELOCATE EX. SIGNAL POST & REBUILD EX. SIGNAL HEAD - CHANGE FROM 1 FACE, 3 SECTION TO 2 FACE, 3 SECTION
- (6) SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED AND TRAFFIC SIGNAL BACKPLATE
- (7) THE CONTRACTOR SHALL RELOCATE THE GROUND MOUNTED LIGHTING UNIT TO A LOCATION WHERE SUFFICIENT SLACK WILL BE ACHIEVED TO ACCOMODATE THE NEW CABLE RUN FROM THE EXISTING HANDHOLE.
- (8) THE TRANSFORMER BASE SHALL BE REMOVED AND REINSTALLED. THIS WORK SHALL BE INCLUDED IN THE COST OF RELOCATION THE LIGHTING UNIT.
- (9) ALL RELOCATED LUMINAIRES SHALL BE CLEANED AND RELAMPED IN ACCORDANCE WITH SECTIONS 821 AND 844. THIS WORK SHALL BE INCLUDED IN THE COST OF RELOCATION THE LIGHTING UNIT.
- (10) NEW POLE WIRING SHALL BE INSTALLED. THIS WORK SHALL BE INCLUDED IN TEH COST OF RELOCATING THE LIGHTING UNIT.
- (11) THE PROPOSED FOUNDATION SHALL BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE REQUIREMENTS OF SECTION 836 AND HIGHWAY STANDARD 836001-02, EXCEPT THE FOUNDATION SHALL BE INSTALLED AT A SHAFT DEPTH OF 6'.
- (12) REMOVE AND REINSTALL CABLE. THIS WORK SHALL BE INCLUDED IN THE COST OF THE NEW LIGHT POLE FOUNDATION.

- PROPOSED TRAFFIC SIGNAL POST, 16 FT., AND CONCRETE FOUNDATION, TYPE A, 3 FT.
- PROPOSED STEEL COMB MAST ARM ASSEMBLY AND POLE, AND CONCRETE FOUNDATION, TYPE E 36" (LENGTH OF ARM & FOUNDATION DEPTH INDICATED)
- PROPOSED UNDERGROUND CONDUIT - SIZE, TYPE, AND LENGTH INDICATED
- RELOCATED LUMINAIRE, SODIUM VAPOR, MULTIMOUNT, 250 WATT
- PROPOSED SIGNAL HEAD, BRACKET MOUNTED
- PROPOSED SIGNAL HEAD WITH BACKPLATE, MAST ARM MOUNTED
- PROPOSED 6' X 20' DETECTOR LOOP (EXACT LOCATION TBD BY OPERATIONS)
- RELOCATED LIGHT POLE, LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT, LIGHT POLE FOUNDATION, 24" DIA., TRANSFORMER BASE BREAKAWAY DEVICE

GREENBRIAR ROAD



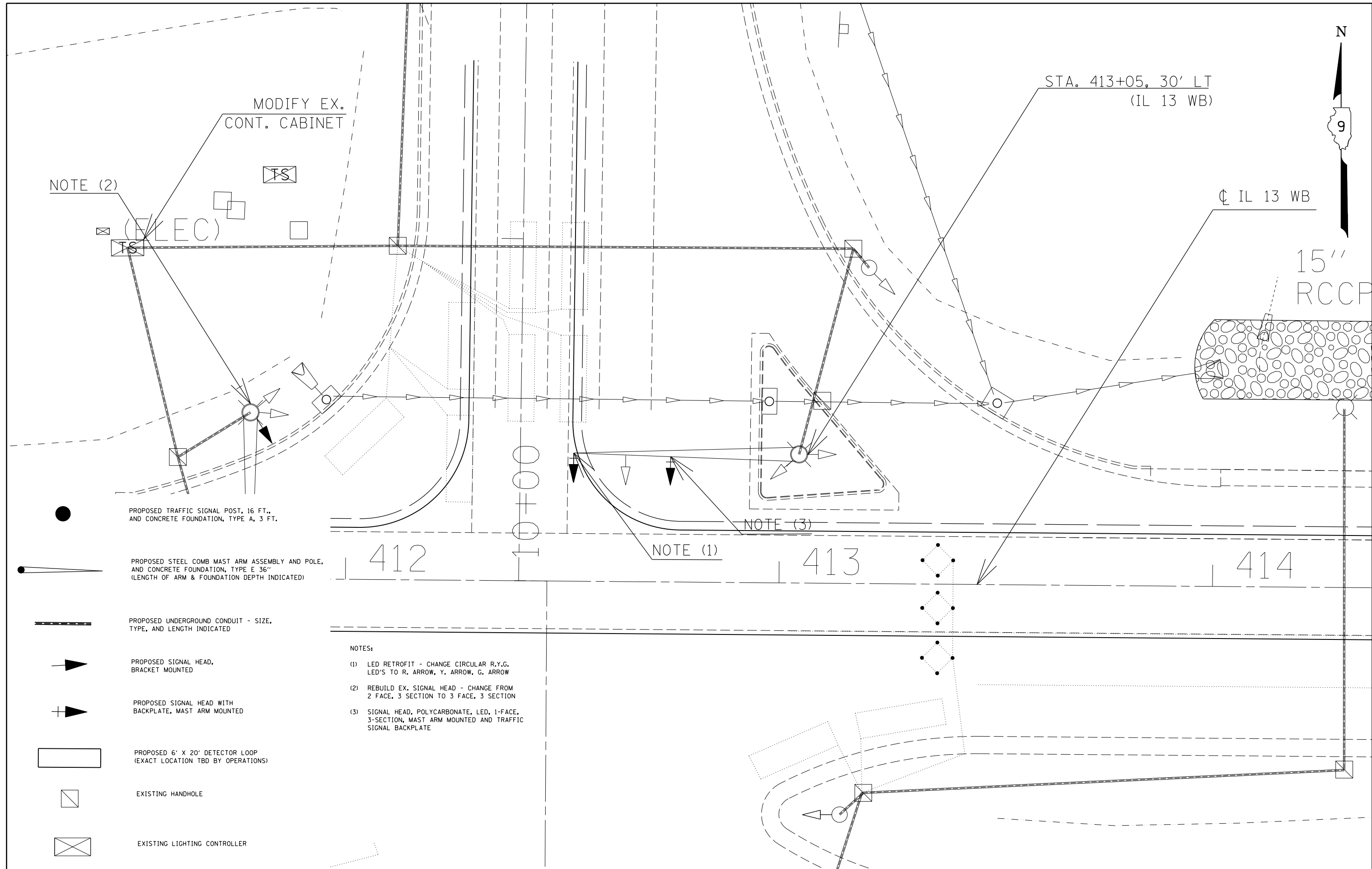
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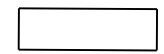


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PROPOSED TRAFFIC SIGNALS AND LIGHTING  
IL 13 / GREENBRIAR - SOUTH QUADRANTS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-4) R-6	WILLIAMSON	120	60
CONTRACT NO. 78452			ILLINOIS FED. AID PROJECT	



-  PROPOSED TRAFFIC SIGNAL POST, 16 FT., AND CONCRETE FOUNDATION, TYPE A, 3 FT.
-  PROPOSED STEEL COMB MAST ARM ASSEMBLY AND POLE, AND CONCRETE FOUNDATION, TYPE E 36" (LENGTH OF ARM & FOUNDATION DEPTH INDICATED)
-  PROPOSED UNDERGROUND CONDUIT - SIZE, TYPE, AND LENGTH INDICATED
-  PROPOSED SIGNAL HEAD, BRACKET MOUNTED
-  PROPOSED SIGNAL HEAD WITH BACKPLATE, MAST ARM MOUNTED
-  PROPOSED 6' X 20' DETECTOR LOOP (EXACT LOCATION TBD BY OPERATIONS)
-  EXISTING HANDHOLE
-  EXISTING LIGHTING CONTROLLER

- NOTES:
- (1) LED RETROFIT - CHANGE CIRCULAR R.Y.G. LED'S TO R. ARROW, Y. ARROW, G. ARROW
  - (2) REBUILD EX. SIGNAL HEAD - CHANGE FROM 2 FACE, 3 SECTION TO 3 FACE, 3 SECTION
  - (3) SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED AND TRAFFIC SIGNAL BACKPLATE

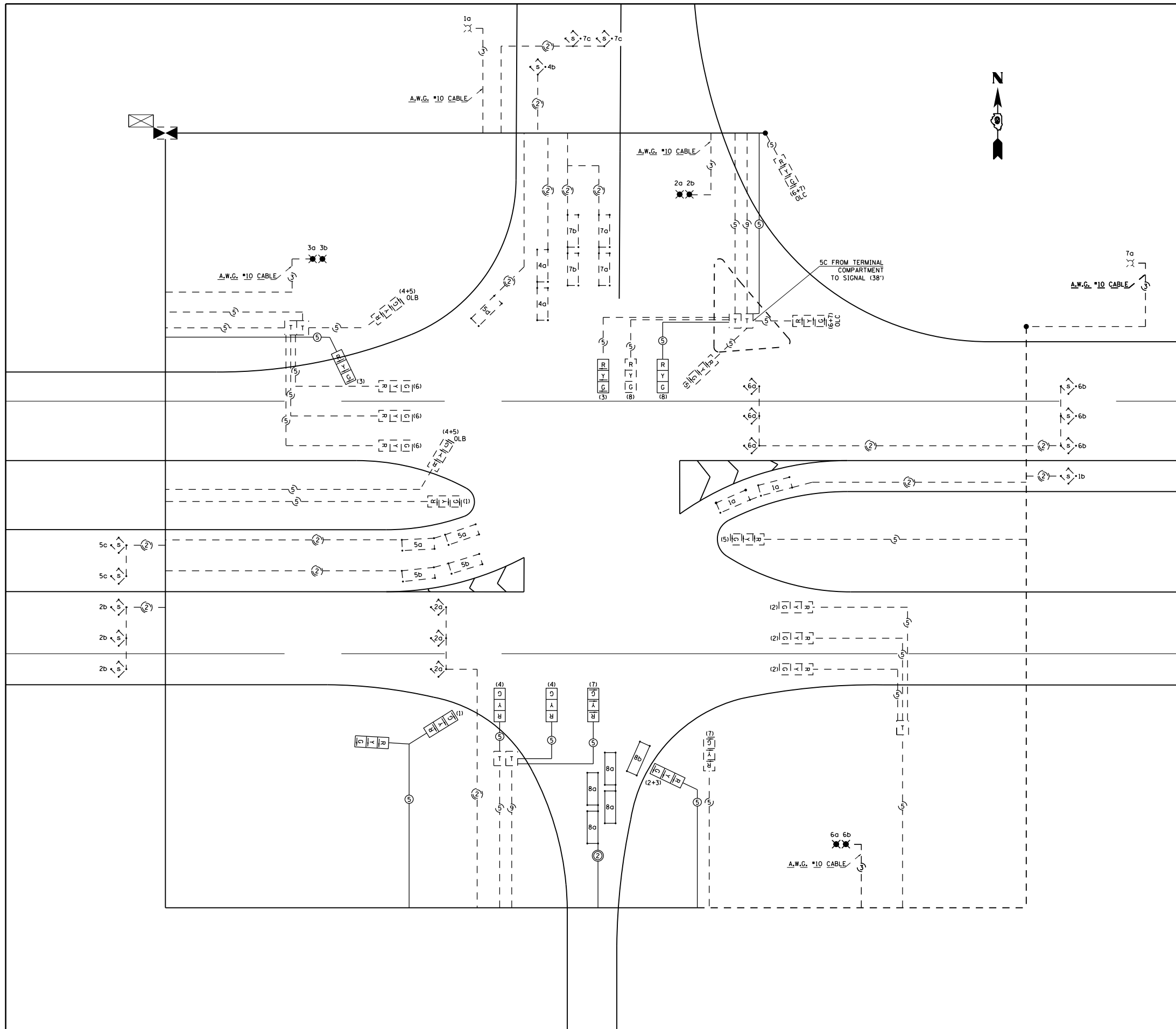
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROPOSED TRAFFIC SIGNALS AND LIGHTING  
IL 13 / GREENBRIAR - NORTH QUADRANTS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-4) R-6	WILLIAMSON	120	61
CONTRACT NO. 78452				
ILLINOIS FED. AID PROJECT				



**NOTES**

1. ALL CABLES SHALL BE A.W.G. #14 UNLESS OTHERWISE NOTED.
2. ELECTRIC SERVICE IS SUPPLIED BY EGYPTIAN ELECTRIC CO-OP.
3. ELECTRIC CABLE DENOTED AS #10, 3/C BEING INSTALLED TO THE COMBINATION MAST ARM POLES SHALL NOT GO THROUGH THE TERMINAL BLOCK BUT SHOULD BE SPLICED IN POLE. SEE STEEL COMB. MAST ARM ASSEMBLY AND POLE DETAIL.
4. PROPOSED 2/C ELECTRIC CABLE SHOWN IN CABLE DIAGRAM ARE PAID FOR IN FEET AS ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 (1 PAIR).
5. ALL SIGNAL LENSES SHALL BE 12 INCHES.

**LEGEND**

- TERMINAL BLOCK IN MAST ARM POLE BASE (SEE SPECIAL PROVISIONS).
- TWIN TENON FOR TWO LUMINAIRES. NUMBER INDICATES POSITION OF POLE IN WIRING DIAGRAM. LETTER INDICATES LUMINAIRE ON POLE.
- 12" TRAFFIC SIGNAL SECTION. LETTER INDICATES COLOR.
- TRAFFIC SIGNAL CONTROLLER CABINET
- EXISTING LIGHTING CONTROLLER, PEDESTAL MOUNTED, 240V, 60A
- INDICATES 2/C TWISTED, SHIELDED CABLE IN CONDUIT
- NUMBER IN CIRCLE INDICATES NUMBER OF CONDUCTORS IN THAT CABLE
- NUMBER IN PARENTHESIS INDICATES PHASE
- 5' x 5' DETECTOR LOOP WITH 2" CORE DRILLED CORNERS. NUMBER INDICATES PHASE, LOWER CASE LETTER INDICATES AMPLIFIER.
- 6' x 20' DETECTOR LOOP WITH 2" CORE DRILLED CORNERS. NUMBER INDICATES PHASE, LOWER CASE LETTER INDICATES AMPLIFIER.
- 5' x 5' LOOP WITH 2" CORE DRILLED CORNERS: NUMBER INDICATES PHASE, LOWER CASE LETTER INDICATES AMPLIFIER, "S" INDICATES SYSTEM LOOP.
- EXISTING LIGHT POLE AND LUMINAIRE TO BE INCORPORATED INTO NEW LIGHTING

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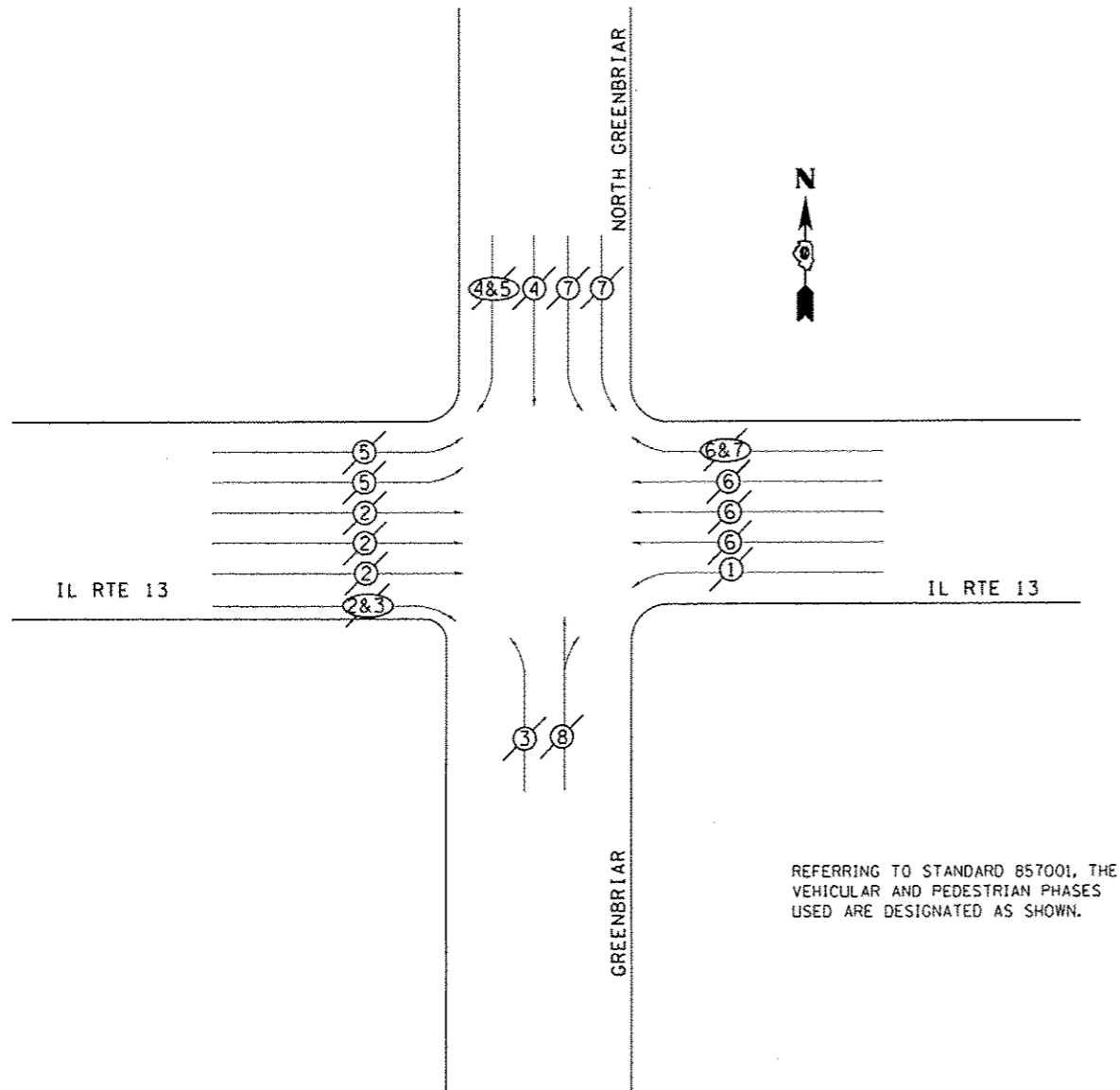
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL CABLE DIAGRAM  
IL 13 / GREENBRIAR RD.**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-4) R-6	WILLIAMSON	120	62
CONTRACT NO. 78452			ILLINOIS FED. AID PROJECT	

**PHASE DESIGNATION DIAGRAM  
IL RTE 13 WITH GREENBRIAR RD**



**LEGEND**

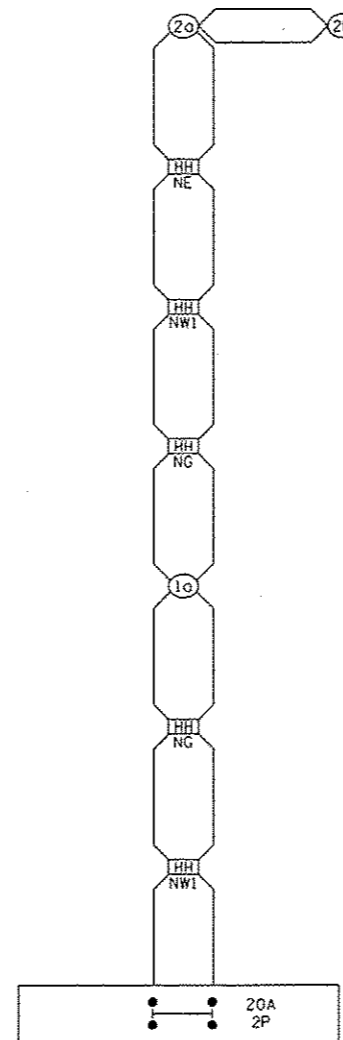
- VEHICULAR MOVEMENT
- PEDESTRIAN MOVEMENT
- NUMBER REFERS TO ASSOCIATED PHASE

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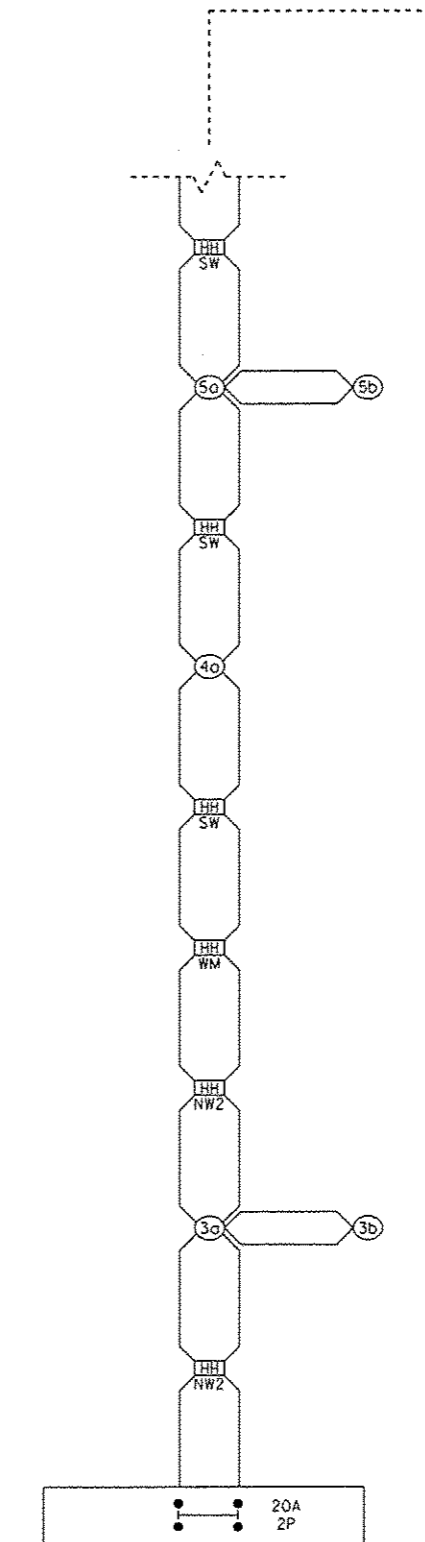
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PHASE DESIGNATION DIAGRAM & LIGHTING WIRING  
IL 13 /GREENBRIAR RD.**

SCALE: SHEET OF SHEETS STA. TO STA.



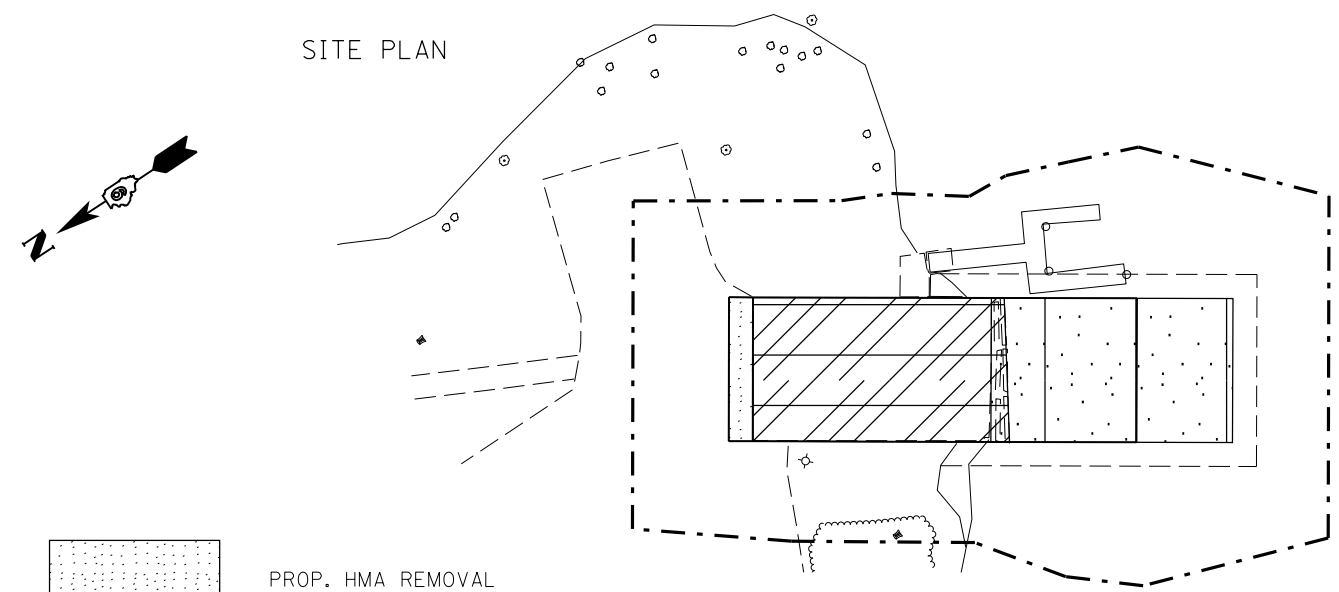
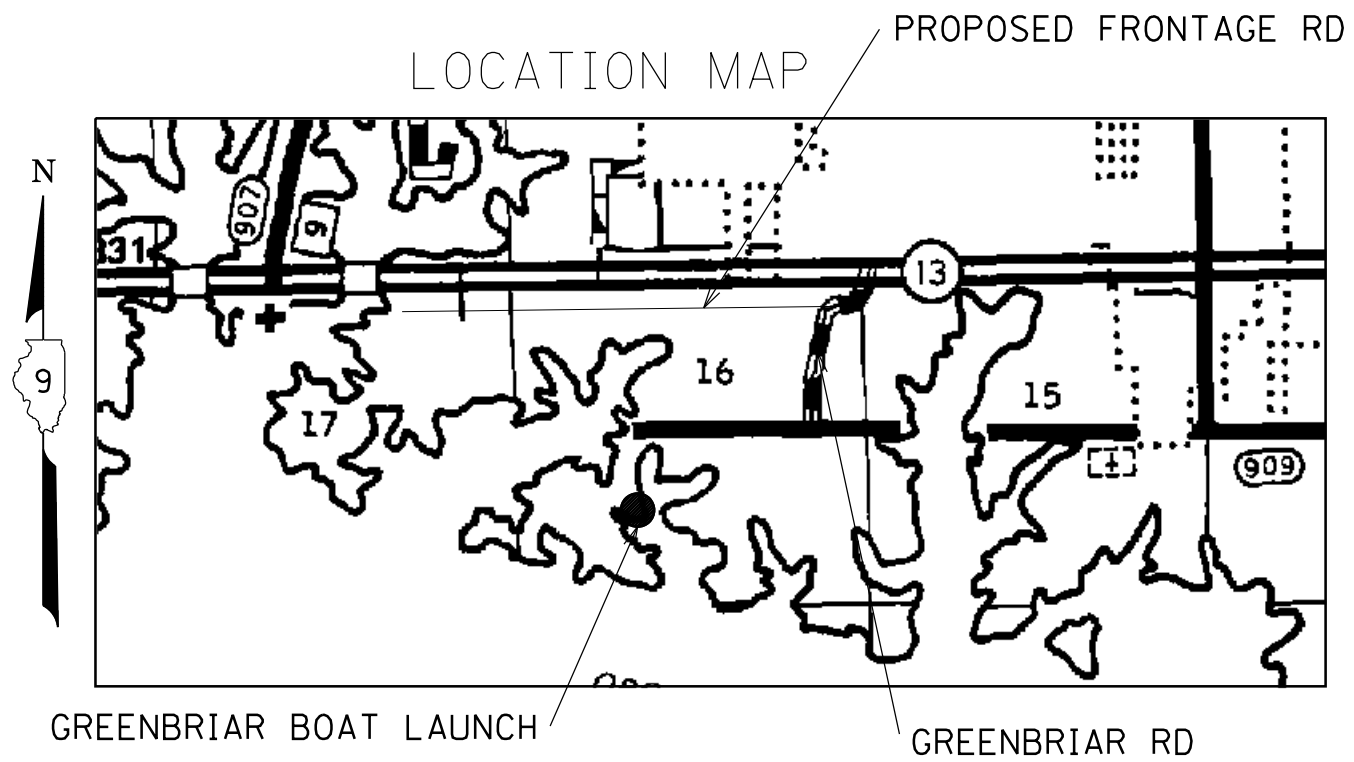
- NW1 NORTHWEST CORNER  
STA 412+11.43 77'LT
- NE NORTHEAST CORNER  
STA 413+16.52 77'LT
- NG NORTH GREENBRIAR  
STA 2+05.17 26'LT

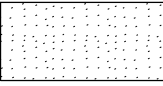
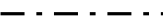





EXISTING CONTROL INSTALLATION  
LIGHTING CONTROLLER, PEDESTAL MOUNTED  
60 AMP - 240 VOLT

- NW2 NORTHWEST CORNER  
STA 411+61.12 28'LT
- WM WEST MEDIAN  
STA 411+80.66 40'RT
- SW SOUTHWEST CORNER  
STA 411+99.59 37'RT
- SE SOUTHEAST CORNER  
STA 412+91.91 41'RT
- EM1 EAST MEDIAN  
STA 413+19.52 48'RT
- EM2 EAST MEDIAN  
STA 414+30.70 42'RT

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-4) R-6	WILLIAMSON	120	63
CONTRACT NO. 78452			ILLINOIS FED. AID PROJECT	



-  PROP. HMA REMOVAL
-  PERMIT EASEMENT
-  PROP. REMOVAL & DISPOSAL OF UNSUITABLE MATERIAL
-  PROP. PCC REMOVAL
-  COFFERDAM (TYPE 1)

- NOTES:
- 1) UNSUITABLE MATERIAL ESTIMATED TO BE 5' DEEP
  - 2) THE UNDERWATER LIMITS OF THE PRECAST CONCRETE COULD NOT BE VISUALLY OBSERVED OR DETERMINED AND IS APPROXIMATE
  - 3) COFFERDAM SET 5' BEYOND UNSUITABLE MATERIAL LIMITS

NOTES:

1. SIDEWALKS/RAMPING FOR DOCKS TO REMAIN. CONTRACTORS OPTION:  
REMOVE SIDEWALKS/RAMPS FOR EASE OF DEMOLITION, THEN REPLACE WITH NEW CONSTRUCTION OF SAME DIMENSIONS. NO ADDITIONAL COMPENSATION SHALL BE GIVEN FOR SIDEWALK/RAMPING REMOVAL & REPLACEMENT.
2. AREA OF REMOVAL & DISPOSAL TO BE FILLED AND COMPACTED WITH ROCKFILL AND CAPPED WITH SUBBASE GRANULAR MATERIAL, TYPE B AS BASE FOR NEW CONSTRUCTION.
3. CONTRACTOR MAY TEMPORARILY REMOVE DOCKS FOR EASE OF CONSTRUCTION. STORAGE ON LAKE BANK IS ACCEPTABLE. DOCKS SHALL BE REINSTALLED PRIOR TO REOPENING BOAT LAUNCH. NO ADDITIONAL COMPENSATION WILL BE GIVEN FOR REMOVAL, STORAGE, AND REINSTALLATION OF DOCKS.

NOTES CONT.:

4. CONTRACTOR SHALL CLEAN ALL EQUIPMENT PRIOR TO ARRIVING ON SITE SO AS NOT TO CONTAMINATE CONSTRUCTION SITE (WATER IN PARTICULAR) WITH GREASE, DUST, SOIL, INVASIVE SPECIES, ETC.
5. CONTRACTOR IS REQUIRED TO MAINTAIN A SPILL CONTAINMENT KIT, PER OSHA STANDARDS, TO RESPOND TO HAZARDOUS WASTE RELEASE/CONTAMINATION (EG. GAS SPILL, EQUIPMENT HYDRAULIC LEAK, ETC.) DURING THE CONSTRUCTION PROJECT. ANY CONTAMINATION IS REQUIRED TO BE IDENTIFIED TO CONWR PERSONAL FOR MONITORING AND CLEANUP COORDINATION.  
IF MORE THAN 5 GALLONS OF CONTAMINATION IS RELEASED CONTRACTOR IS ALSO REQUIRED TO NOTIFY ILLINOIS EPA IN ADDITION TO GOVERNMENT PERSONNEL.

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	PLOT DATE = 3/18/2016		

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GREENBRIAR BOAT LAUNCH  
LOCATION MAP & SITE PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-4) R-6	WILLIAMSON	120	64
CONTRACT NO. 78452			ILLINOIS FED. AID PROJECT	

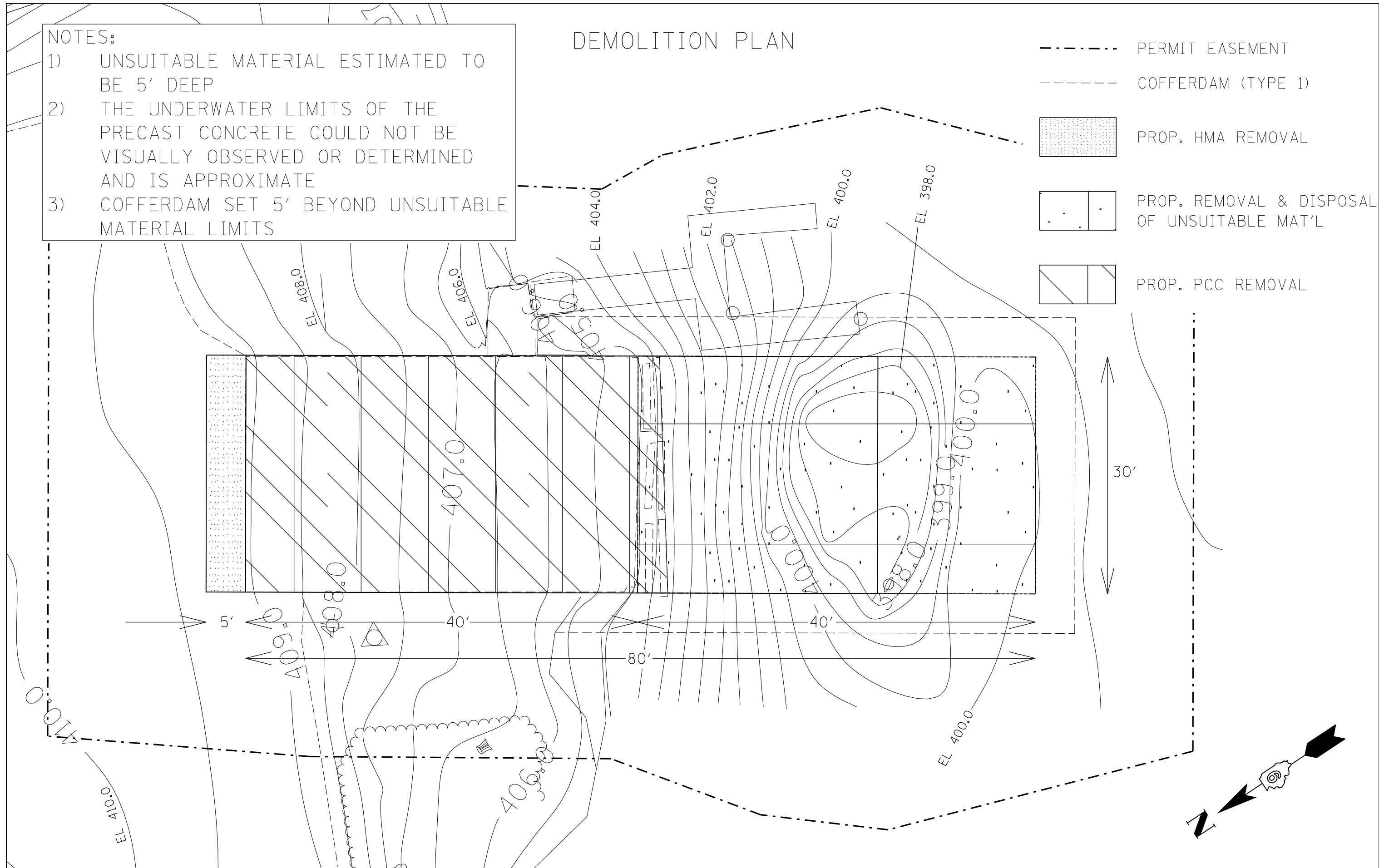


NOTES:

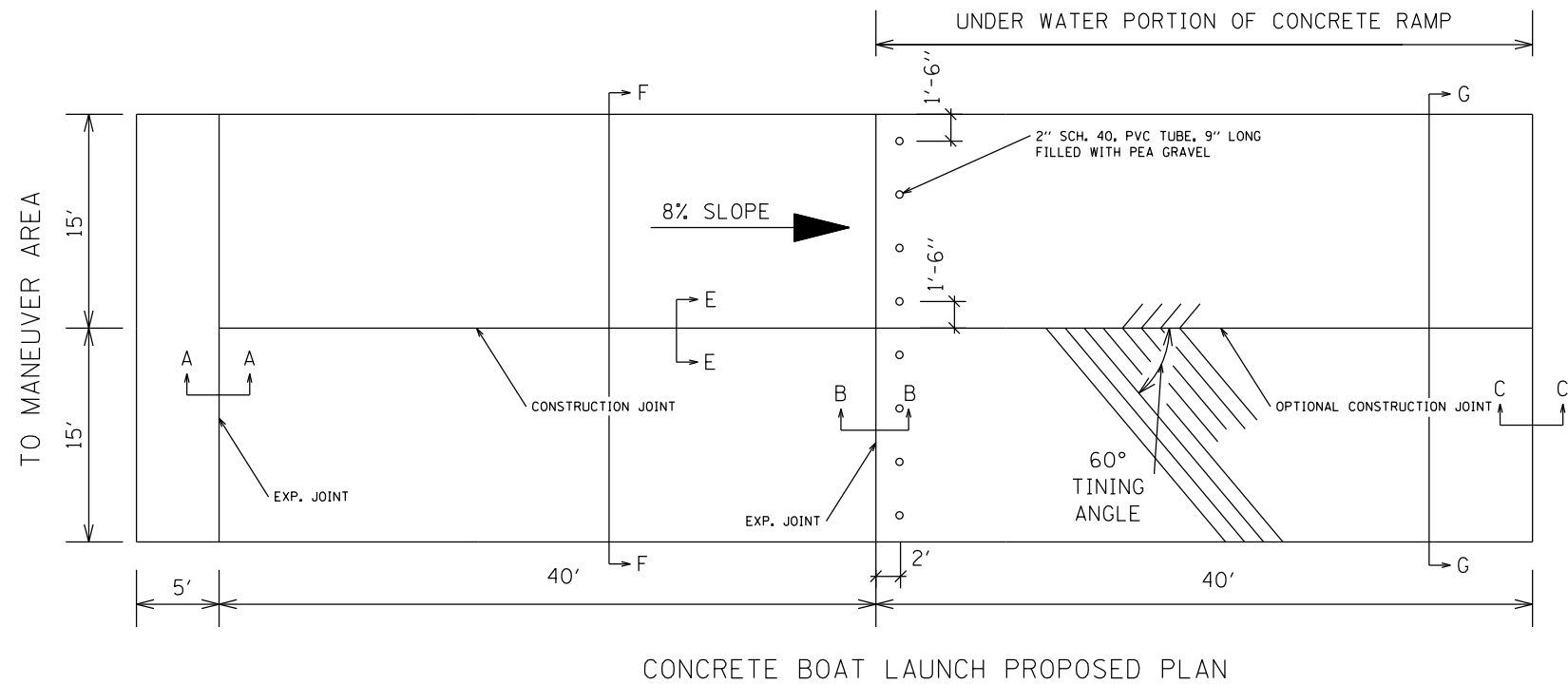
- 1) UNSUITABLE MATERIAL ESTIMATED TO BE 5' DEEP
- 2) THE UNDERWATER LIMITS OF THE PRECAST CONCRETE COULD NOT BE VISUALLY OBSERVED OR DETERMINED AND IS APPROXIMATE
- 3) COFFERDAM SET 5' BEYOND UNSUITABLE MATERIAL LIMITS

DEMOLITION PLAN

- PERMIT EASEMENT
- COFFERDAM (TYPE 1)
- [Stippled Box] PROP. HMA REMOVAL
- [Box with dots] PROP. REMOVAL & DISPOSAL OF UNSUITABLE MAT'L
- [Box with diagonal lines] PROP. PCC REMOVAL

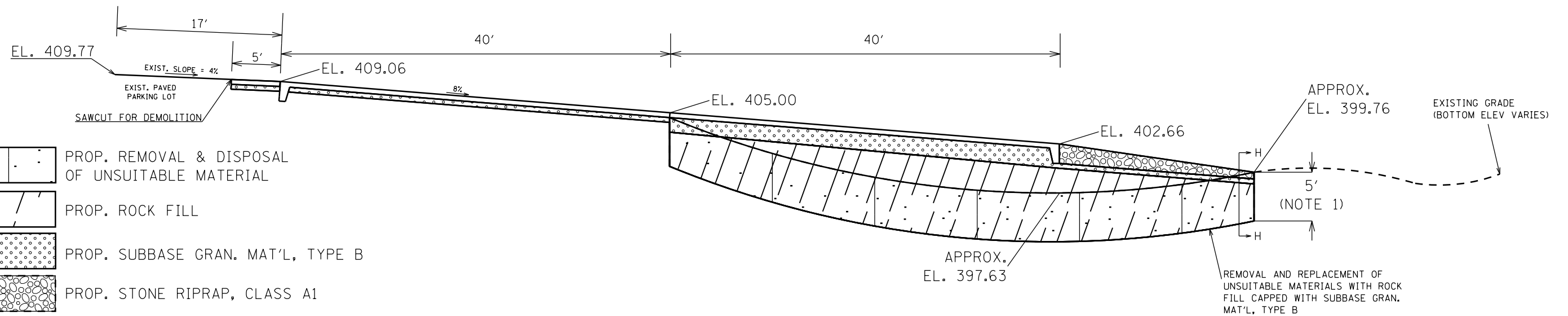


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20_Scale	PLOT DATE = 3/18/2016	DATE -	REVISED -		CONTRACT NO. 78452 ILLINOIS FED. AID PROJECT											



CONCRETE BOAT LAUNCH PROPOSED PLAN

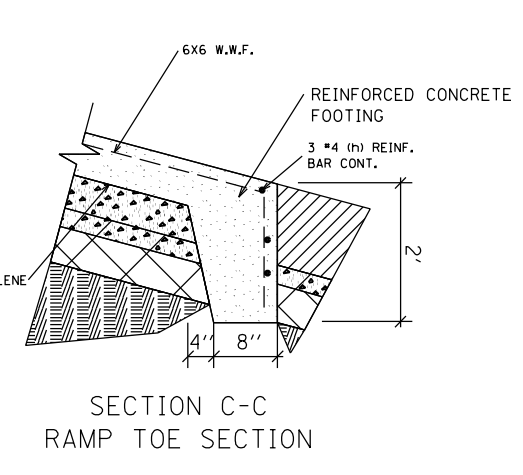
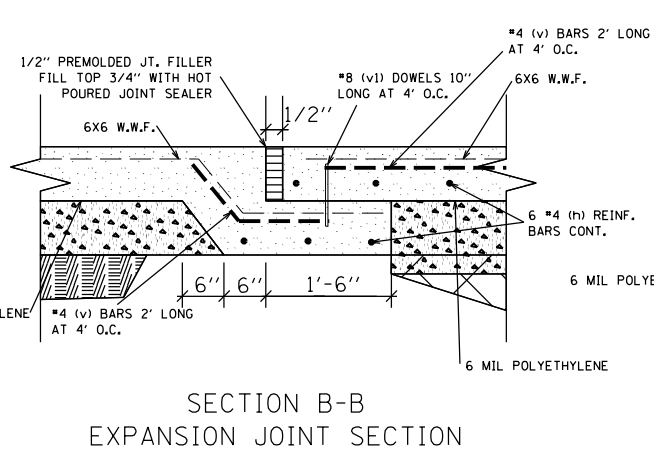
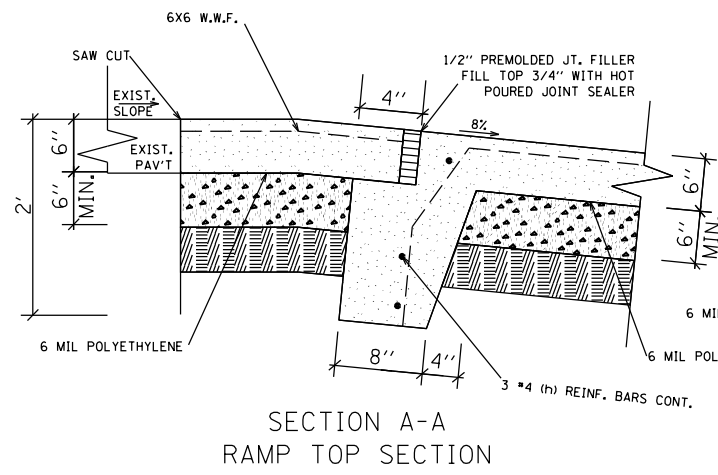
CONCRETE BOAT LAUNCH PROPOSED PROFILE



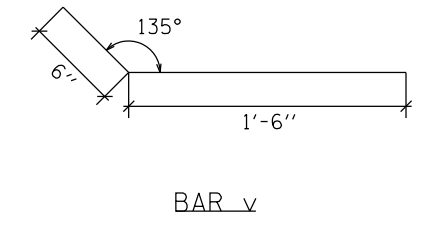
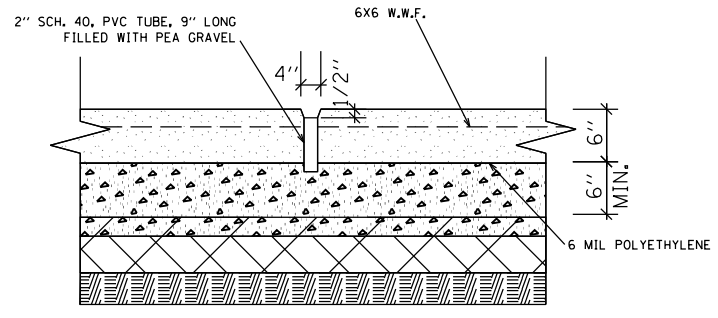
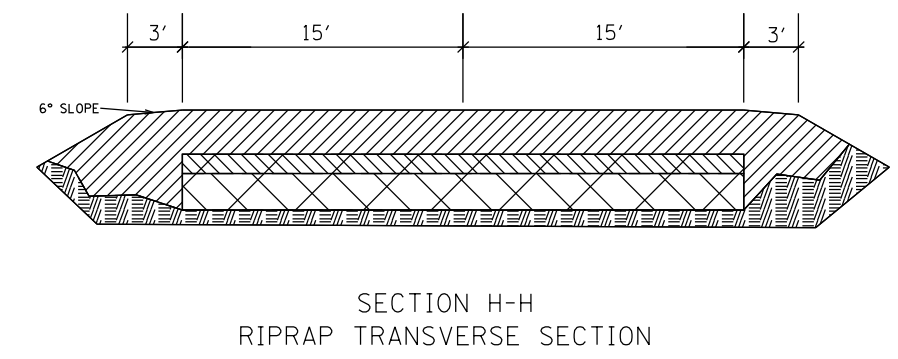
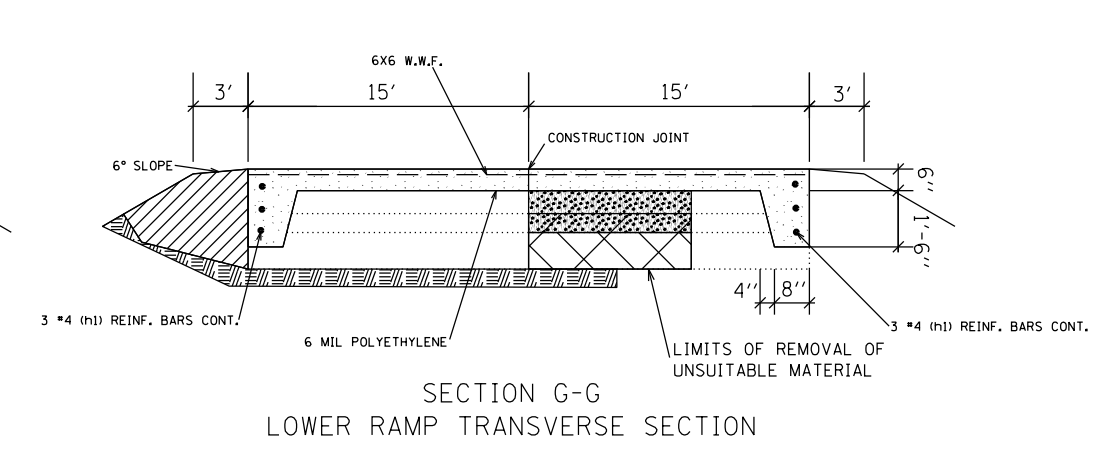
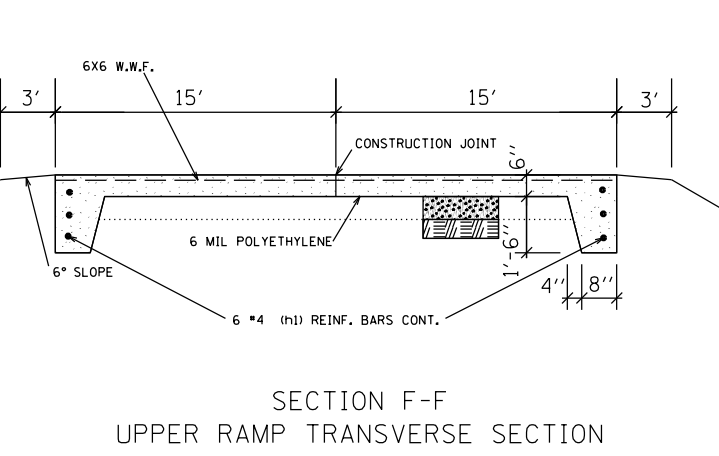
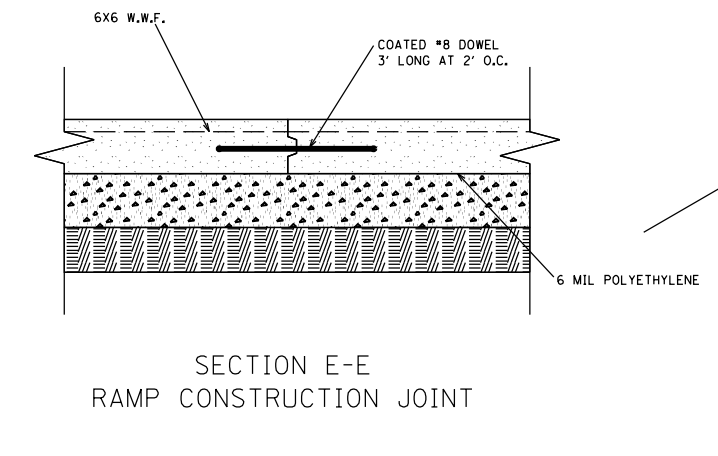
NOTES:

- 1. UNSUITABLE MATERIAL ESTIMATED TO BE 5' DEEP

FILE NAME =	USER NAME = maesbl	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GREENBRIAR BOAT LAUNCH PLAN DETAILS &amp; PROFILE</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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50_Scale	PLOT DATE = 3/18/2016	DATE -	REVISED -					CONTRACT NO. 78452				
								ILLINOIS FED. AID PROJECT				



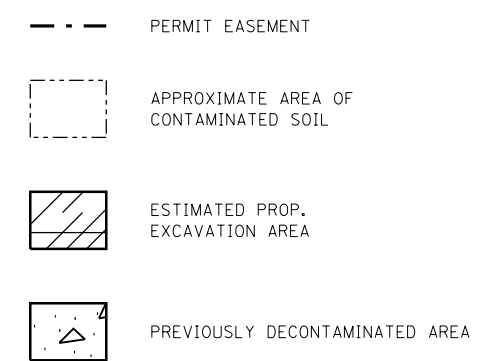
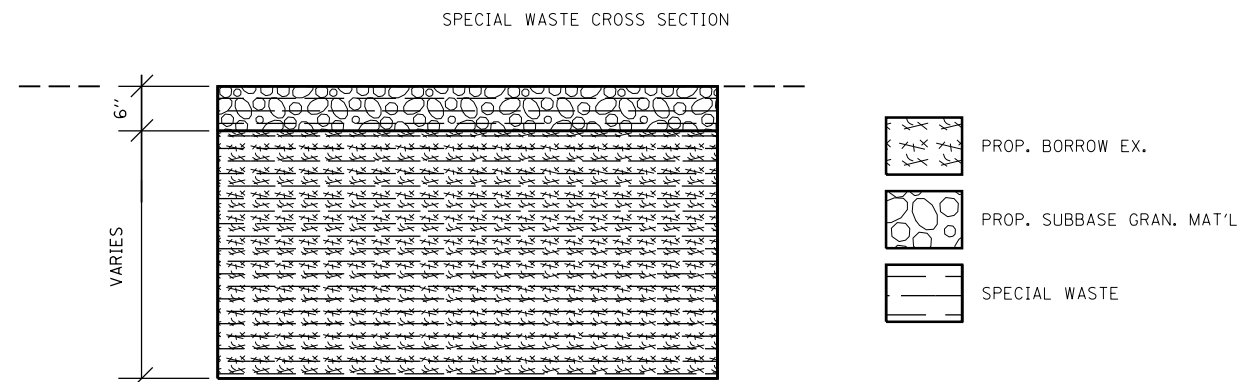
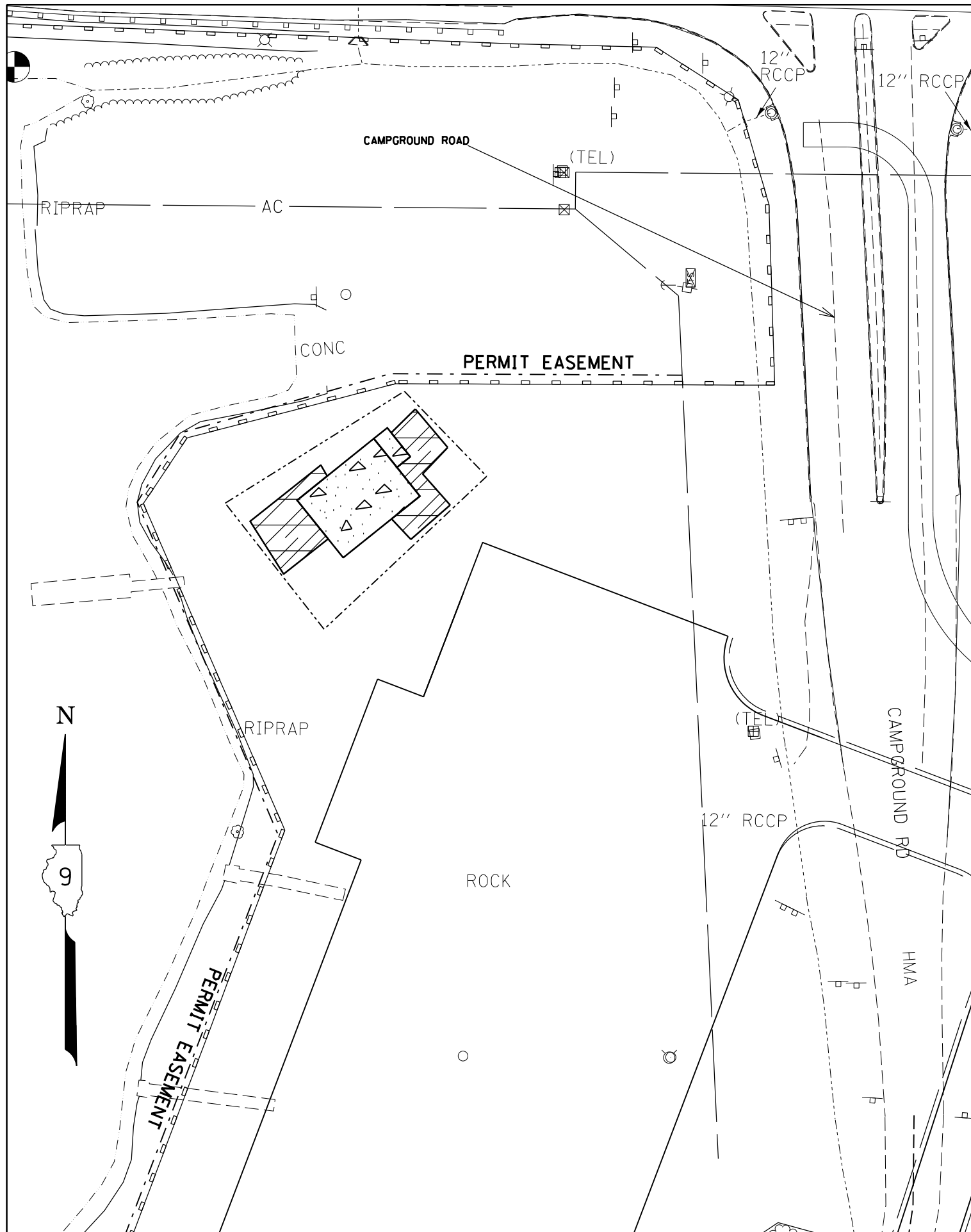
- PROP. SUBBASE GRAN. MAT'L, TYPE B
- PROP. REMOVAL & DISPOSAL OF UNSUITABLE MATERIAL
- PROP. ROCK FILL
- PROP. STONE RIPRAP, CLASS A1
- EXIST. GROUND



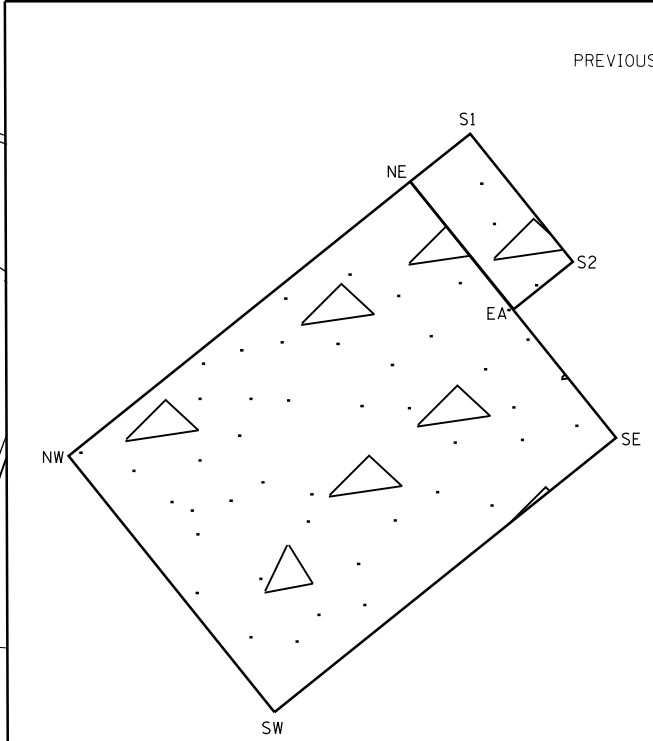
- NOTES:
- REINFORCING STEEL AND WELDED WIRE FABRIC SHALL HAVE A MINIMUM OF 2" CONCRETE COVER
  - WELDED WIRE FABRIC SHALL BE LAPPED NOT LESS THAN 1' AT SPLICES
  - REINFORCING BARS SHALL BE LAPPED 24" DIAMETER MINIMUM AT ALL SPLICES
  - CHAMFER ALL CONCRETE WORK EDGES 3/4" EXCEPT AS NOTED
  - THE ENTIRE SURFACE AREA OF THE BOAT RAMP WILL BE TINED

GREENBRIAR BOAT LAUNCH  
BILL OF MATERIAL

Bar	No.	Size	Length
h	12	#4	30'
h1	12	#4	40'
v	12	#4	2'
v1	6	#8	10''
Dowel Bar	40	#8	3'
Reinforcement Bars		Pound	591
W.W.R.		Sq. Yd.	300



- CONTAMINATED SOIL NOTES:**
- 1) THREE LEAKING UNDERGROUND STORAGE TANKS WERE REMOVED FROM THIS SITE ON DECEMBER 11, 1995.
  - 2) REMEDIAL ACTIVITIES WERE INITIATED IN JUNE 1999. THIS INCLUDED SOIL FLUSHING AND AIR SPARGING. THIS SYSTEM WAS OPERATED UNTIL APRIL 2002.
  - 3) INTERIM CORRECTIVE ACTION, INCLUDING REMOVAL OF APPROXIMATELY 360 CUBIC YARDS OF IMPACTED SOIL, WAS TAKEN IN JUNE 2014.
  - 4) THE INTERIM CORRECTIVE ACTION AREA, LABELED AS "PREVIOUSLY DECONTAMINATED AREA" WAS BACKFILLED WITH CLEAN CA-11 AND CA-6 ROCK FROM A VIRGIN SOURCE.



**PREVIOUSLY DECONTAMINATED AREA**

Point	Description	X	Y
NW	NorthWest Excavation Corner	757424.3521	393322.6865
NE	NorthEast Excavation Corner	757455.5361	393347.7379
S1	SubArea Excavation Point 1	757461.0164	393352.1051
S2	SubArea Excavation Point 2	757470.3917	393340.4046
EA	East Excavation Point	757464.9744	393336.0907
SE	Southeast Excavation Point	757474.3244	393324.3499
SW	Southwest Excavation Point	757443.1408	393299.2987

NOTE: THIS TABLE - ALL COORDINATES ARE IN NAD 83 IL STATE PLANE IL EAST US SURVEY FT

**PREVIOUSLY DECONTAMINATED AREA**

Point	Description	STATION	OFFSET (FT)
NW	NorthWest Excavation Corner	348+92.57	226.97
NE	NorthEast Excavation Corner	349+23.16	201.01
S1	SubArea Excavation Point 1	349+28.53	196.48
S2	SubArea Excavation Point 2	349+38.30	207.90
EA	East Excavation Point	349+32.98	212.37
SE	Southeast Excavation Point	349+42.73	223.83
SW	Southwest Excavation Point	349+12.14	249.80

NOTE: THIS TABLE - ALL STATIONS AND OFFSETS ARE FROM IL 13 EB CENTERLINE

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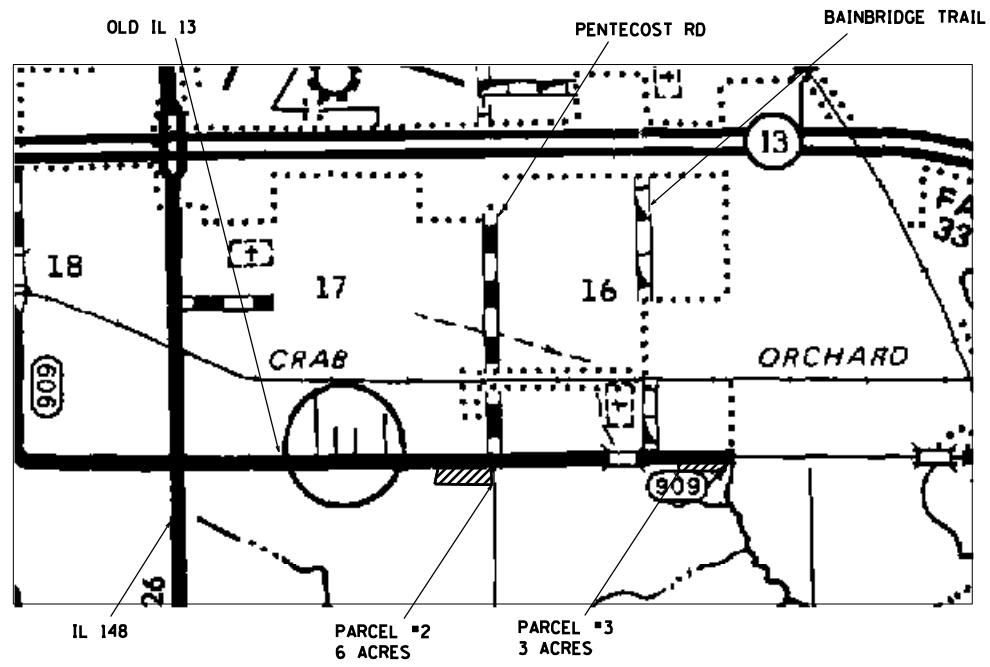
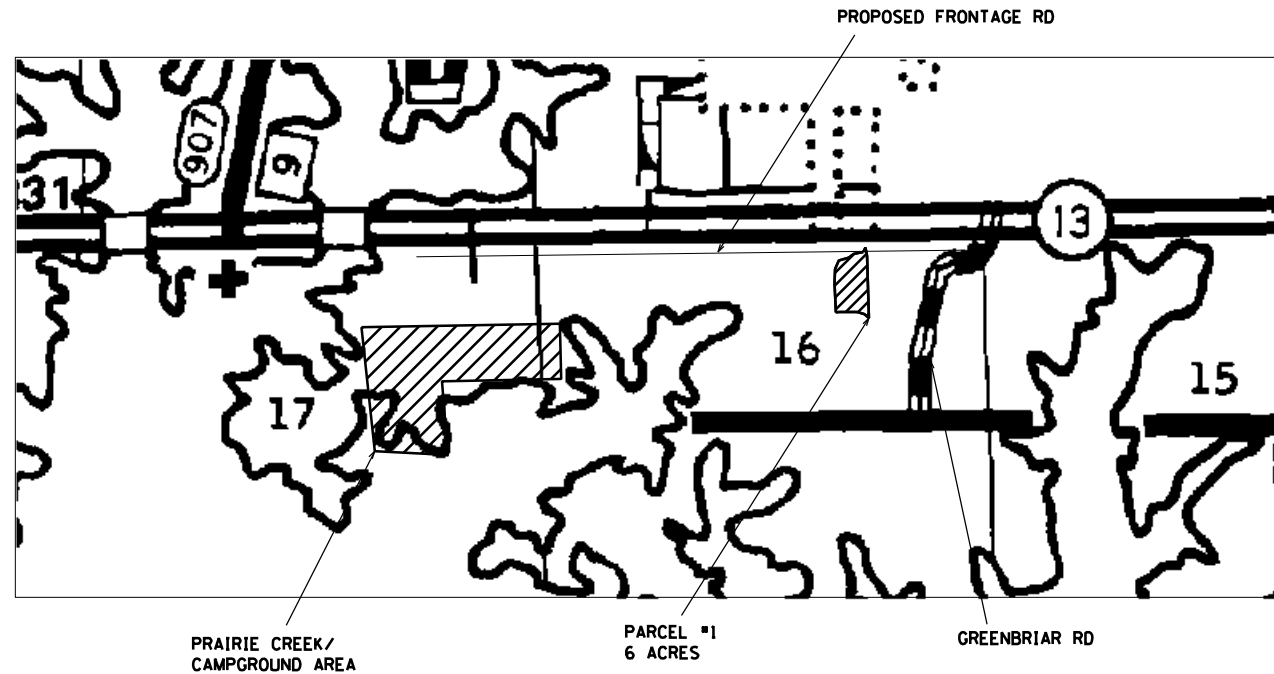
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**LOCATION MAP  
CONTAMINATED SOIL**

SCALE: SHEET OF SHEETS STA. TO STA.

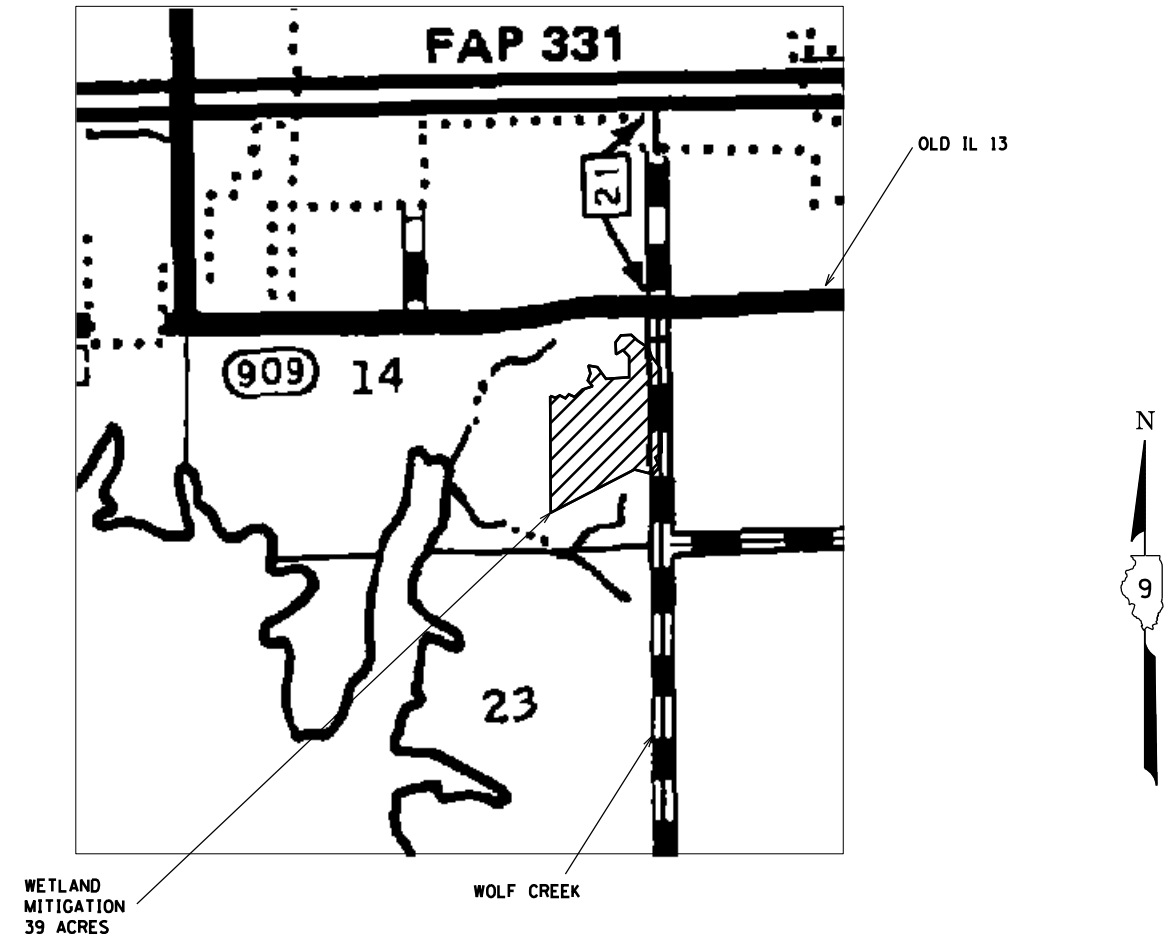
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-4) R-6	WILLIAMSON	120	68
CONTRACT NO. 78452				
ILLINOIS FED. AID PROJECT				

TREE PLANTING



NOTES:  
1) APPROXIMATE AREAS OF TREE PLANTING. SEE SHEET 26 FOR SCHEDULE OF QUANTITIES.

WETLAND MITIGATION



NOTE:  
1) APPROXIMATE AREA OF WETLAND MITIGATION, NEAR INTERSECTION OF WOLF CREEK AND OLD IL 13 IN CRAINVILLE.

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

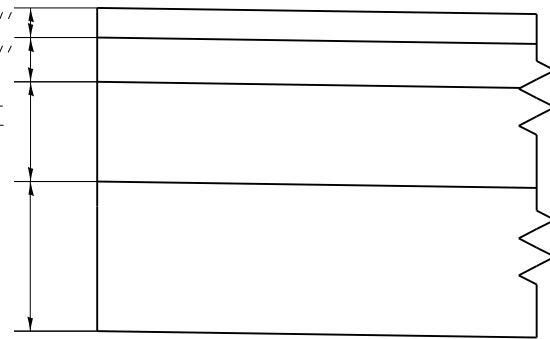
LOCATION MAP  
TREE PLANTING & WETLAND MITIGATION

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-4) R-6	WILLIAMSON	120	69
			CONTRACT NO. 78452	
ILLINOIS FED. AID PROJECT				

**PARKING LOT DETAILS**

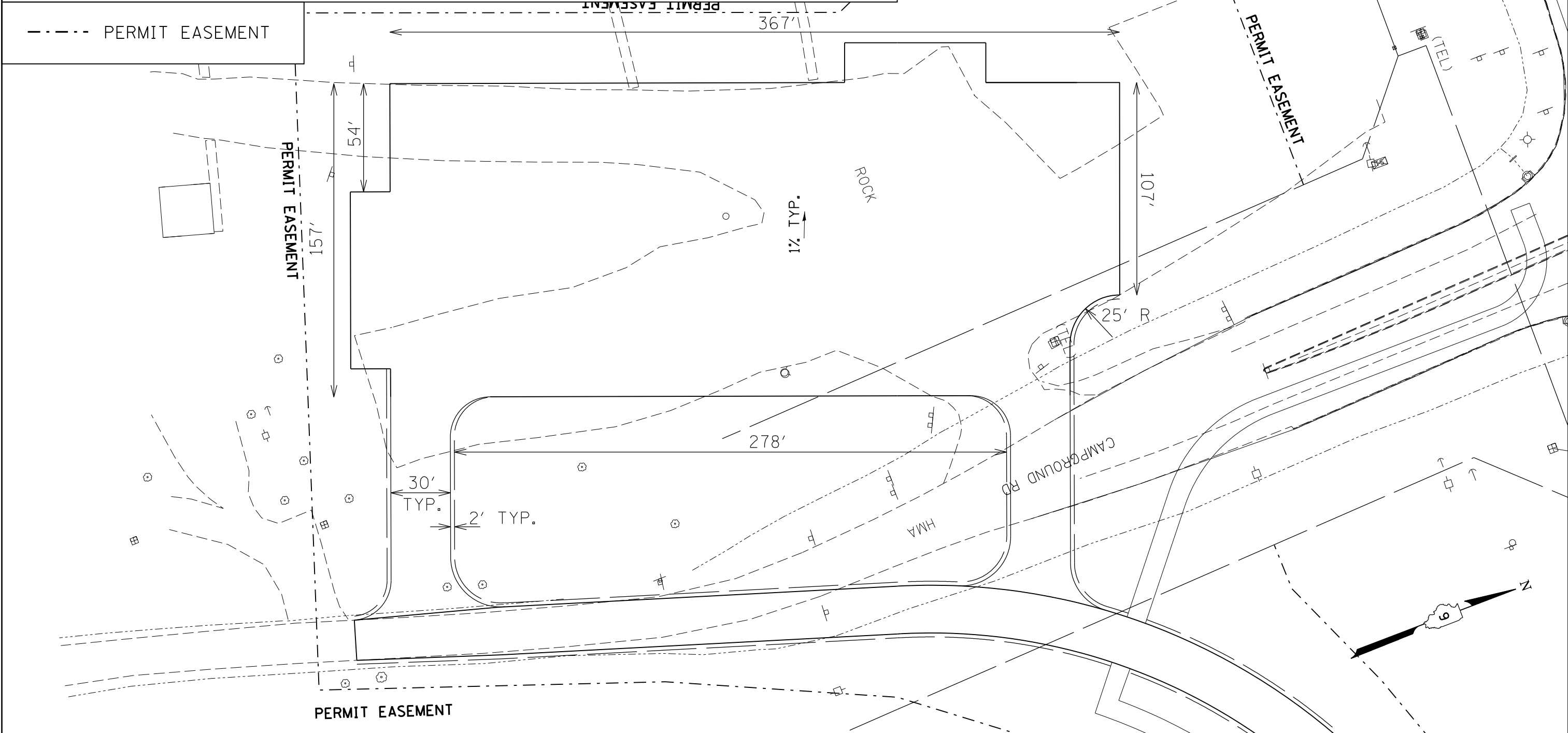
PROPOSED HMA SURFACE COURSE, 1 1/2"  
 PROPOSED HMA BINDER COURSE, 2 1/2"  
 PROPOSED AGG BASE COURSE, TY A, 8"  
 PROPOSED PROCESSING SOIL-CEMENT BASE COURSE, 12"



CAR SPACES:  
 4 HANDICAPPED  
 12 STANDARD

TRAILER SPACES:  
 4 HANDICAPPED  
 28 STANDARD

TOTAL: 48 SPACES



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	PLOT DATE = 3/18/2016	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PARKING LOT DETAILS  
 PLAN VIEW & TYPICAL SECTION**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-4) R-6	WILLIAMSON	120	70
CONTRACT NO. 78452			ILLINOIS FED. AID PROJECT	

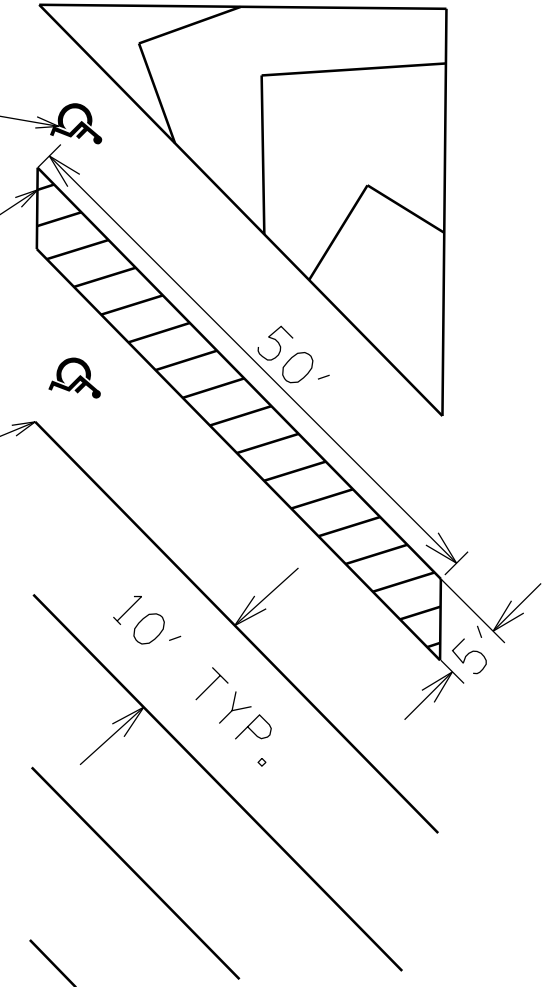
# ADA PARKING SPACE STRIPING

## TRAILER SPACES

THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS (YELLOW)

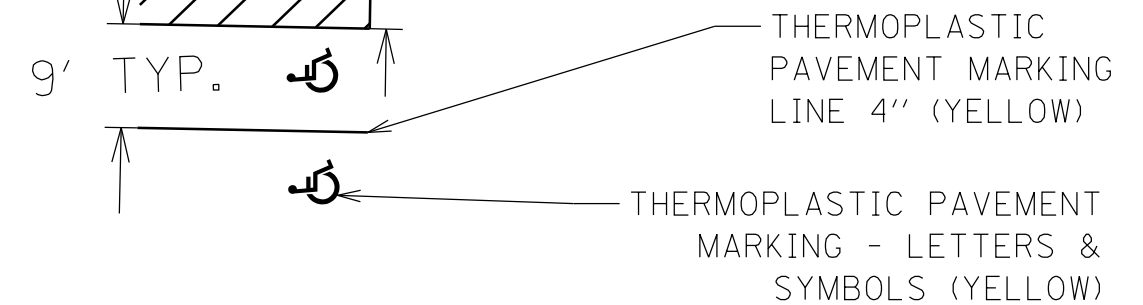
THERMOPLASTIC PAVEMENT MARKING LINE 4" (YELLOW) - 2.4' O.C., 45° SKEW

THERMOPLASTIC PAVEMENT MARKING LINE 4" (YELLOW)



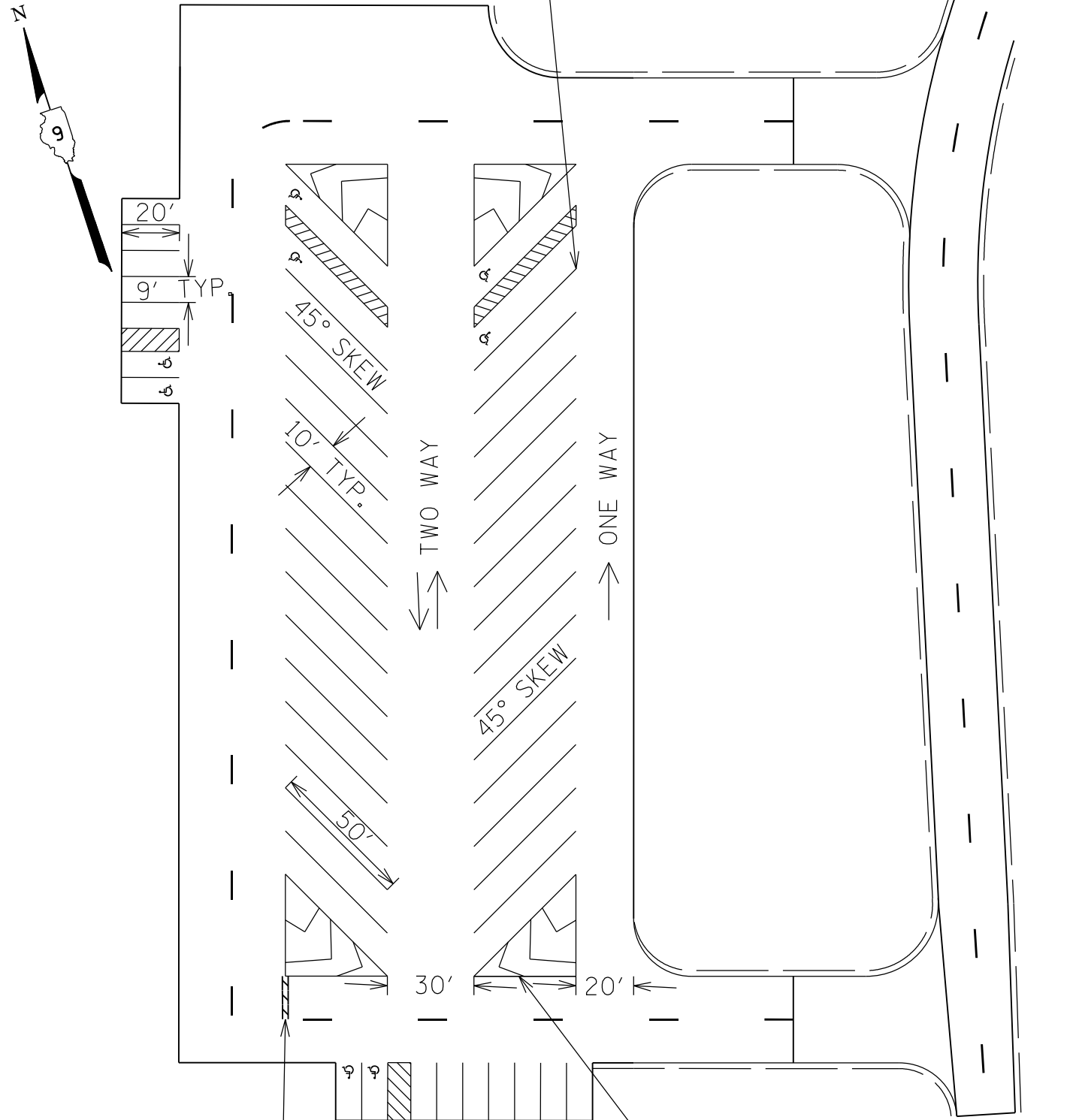
## CAR SPACES

THERMOPLASTIC PAVEMENT MARKING LINE 4" (YELLOW) - 2.4' O.C., 45° SKEW



NOT TO SCALE

THERMOPLASTIC PAVEMENT MARKING LINE 4" (WHITE)



THERMOPLASTIC PAVEMENT MARKING LINE 24" (WHITE)

THERMOPLASTIC PAVEMENT MARKING LINE 8" (YELLOW)

NOT TO SCALE

FILE NAME =	USER NAME = maesbl	DESIGNED -	REVISED -
pw:\IL\084EBIDINTEG\illinois.gov\PWIDOT\Documents\DOT Offices\District 9\Projects\13...DRAWN=78452\CADDData\CADsheets\78452\REVISED\details.dgn		CHECKED -	REVISED -
Default	PLOT SCALE = 50.0000' / in.	DATE -	REVISED -
	PLOT DATE = 3/18/2016		

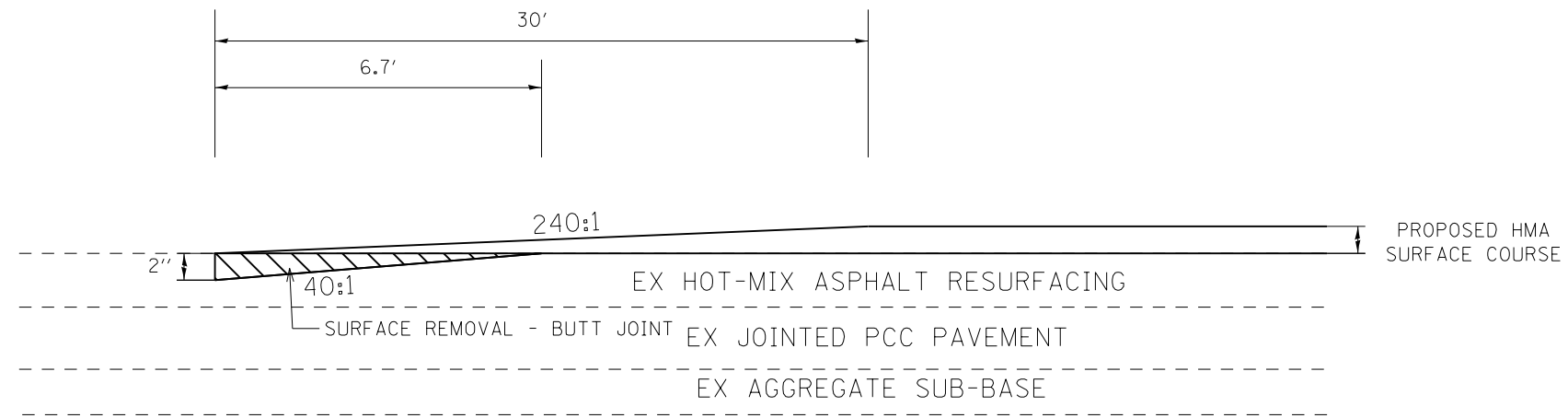
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PARKING LOT DETAILS  
PAVEMENT MARKINGS

SCALE: SHEET OF SHEETS STA. TO STA.

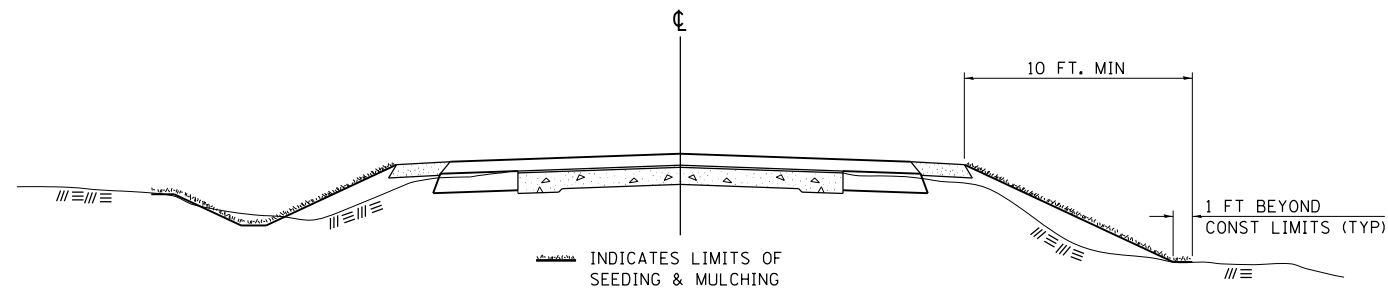
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-4) R-6	WILLIAMSON	120	71
CONTRACT NO. 78452			ILLINOIS FED. AID PROJECT	

# BUTT JOINT DETAILS



TO BE USED:  
GREENBRIAR ROAD  
STA. 2+19.50 TO STA. 2+49.50

## SEEDING & MULCHING



### GENERAL NOTES

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

ON DETOUR ROADS, SLOPES SHALL BE SEEDED IMMEDIATELY UPON COMPLETION OF ANY GIVEN STAGE GRADING. TEMPORARY SEEDING SHALL BE CLASS 7.

FERTILIZER NUTRIENTS SHALL BE APPLIED TO ALL SEEDED AREAS. LIMESTONE SHALL BE APPLIED TO ALL AREAS OF FINAL SEEDING.

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

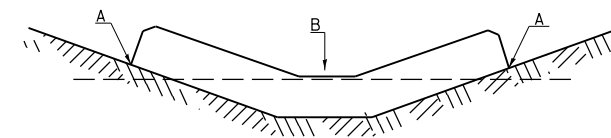
SECTIONS 250 AND 251 OF THE STANDARD SPECIFICATIONS SHALL GOVERN THIS WORK EXCEPT AS SPECIFIED HEREIN OR AS NOTED IN THE SPECIAL PROVISIONS.

REVISIONS	
REDRAWN	2-15-89
REVISED	8-15-94
REVISED	6-3-99
REVISED	3-27-08
REVISED	5-16-13

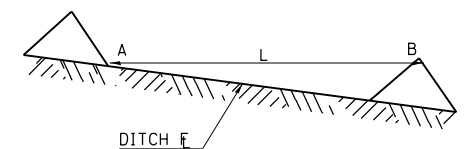
STD. 9-12

## TEMPORARY DITCH CHECKS

### PLACEMENT OF TEMPORARY DITCH CHECK IN DRAINAGE WAY



### 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
RESIZED	5-8-08
REVISED	05-04-10
REVIEWED	5-17-13

STD. 9-108

FILE NAME =	USER NAME = maesbl	DESIGNED -	REVISED -
pw:\IL\084EBIDINTEG\illinois.gov\PIDOT\Documents\IDOT Offices\District 9\Projects\13.g	DRAWN = 78452\CADData\CADsheets\78452	CHECKED -	REVISED -
Default	PLOT DATE = 3/18/2016	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

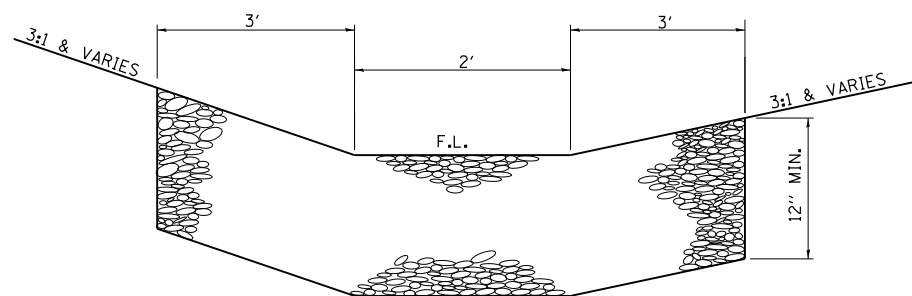
DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-4) R-6	WILLIAMSON	120	72
CONTRACT NO. 78452			ILLINOIS FED. AID PROJECT	



### AGGREGATE DITCH



FRONT VIEW

### AGGREGATE DITCH SCHEDULE

LOCATION				SLOPE	AGGREGATE DITCH	FILTER FABRIC
STA.	TO	STA.	LT/RT	%	TON	SQ YD
FRONTAGE RD						
13+84.64	TO	13+97.24	RT	5.29	9	16
14+45.08	TO	14+58.11	LT	-7.68	9	16
14+58.11	TO	14+74.74	LT	7.73	11	20
26+97.80	TO	27+22.22	LT	13.63	16	28
47+75.00	TO	48+09.00	RT	7.22	22	38
51+29.68	TO	51+50.00	RT	-10.31	13	24
51+50.00	TO	51+79.05	RT	16.88	19	33
51+50.00	TO	51+75.08	LT	11.09	16	29
TOTALS					115	204

### ENERGY DISSIPATOR

#### EARTH EXCAVATION FOR ENERGY DISSIPATOR

THIS WORK INVOLVES THE EXCAVATION OF EARTH AS SHOWN IN THE SKETCH TO THE LENGTH, WIDTH, AND DEPTH AS SPECIFIED. THE EARTH EXCAVATION WILL BE UTILIZED IN THE ROADWAY EMBANKMENT OR WASTED AS DIRECTED BY THE ENGINEER. THE EXCAVATION SHALL BE PERFORMED AT THE SAME TIME AS THE CULVERT OR DITCH IS CONSTRUCTED TO SERVE AS A TEMPORARY SEDIMENT TRAP.

EARTHWORK WILL BE CONSIDERED INCLUDED IN THE COST OF THE RIPRAP.

ENERGY DISSIPATOR IS TO BE CONSTRUCTED AT THE LOCATION INDICATED ON THE PLAN AND PROFILE SHEETS.

#### RIPRAP FOR ENERGY DISSIPATOR

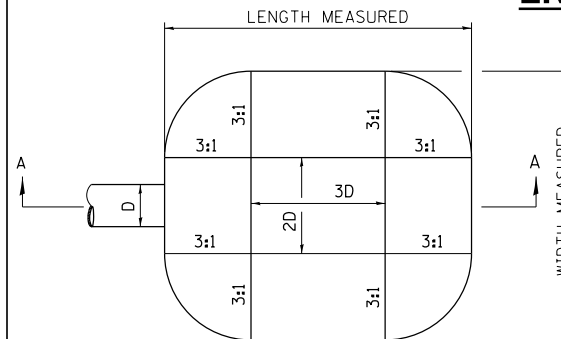
RIPRAP FOR ENERGY DISSIPATOR SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 281 OF THE STANDARD SPECIFICATIONS EXCEPT AS REVISED HEREIN.

THE LENGTH, WIDTH, AND DEPTH FOR RIPRAP PLACEMENT SHALL BE AS SPECIFIED IN THESE DETAILS UNLESS OTHERWISE SPECIFIED IN THE PLANS. THE OUTSIDE CORNERS CAN BE ROUNDED OR SQUARED.

THE RIPRAP FOR THE ENERGY DISSIPATOR SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR **STONE DUMPED RIPRAP**.

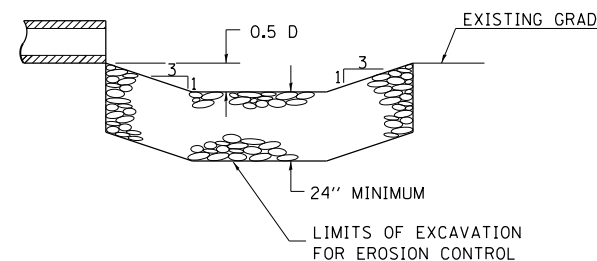
THE STONE DUMPED RIPRAP SHALL CONFORM TO THE QUALITY AND GRADATION REQUIREMENTS OF STONE RIPRAP, CLASS A4.

FILTER FABRIC AND BEDDING MATERIAL AS SPECIFIED IN SECTION 281 OF THE STANDARD SPECIFICATIONS WILL NOT BE REQUIRED.



D= INSIDE DIAMETER OF PIPE CULVERT OR CLEAR HEIGHT OF BOX CULVERT

PLAN

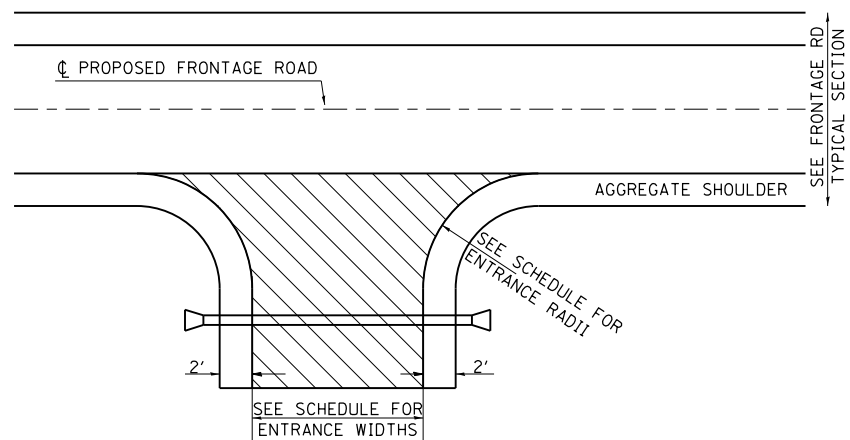


SECTION A-A

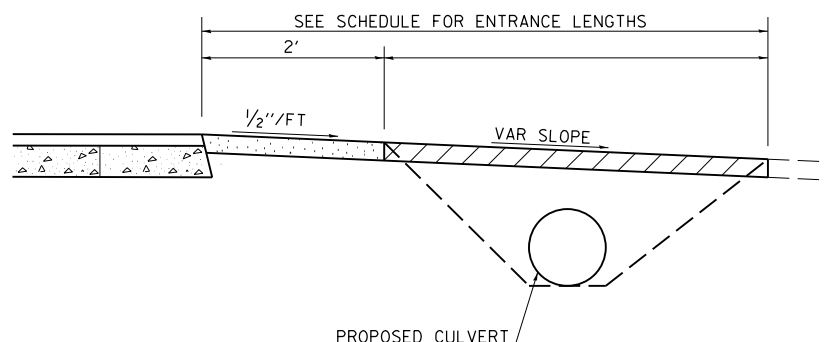
REVISIONS	
REDRAWN	2-15-89
REVISED	11-3-93
REVISED	8-15-94
REVISED	12-14-01
REVISED	3-26-08
REVISED	5-16-13

STD 9-6

### ENTRANCE DETAILS

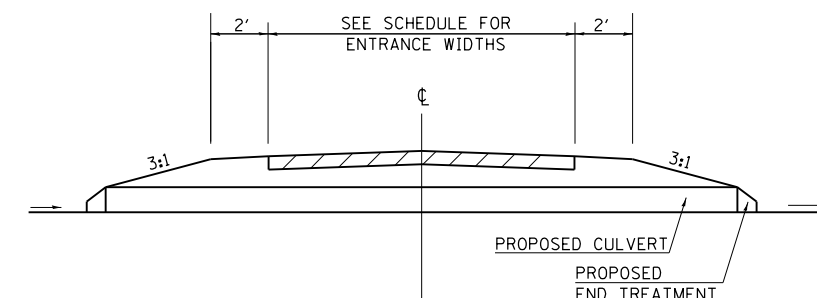


TO BE USED:  
FRONTAGE ROAD  
STA. 47+00  
STA. 60+28



SEE PLANS FOR PROPOSED PROFILE GRADES AT ENTRANCES/SIDERoads. THE DESIRABLE MAXIMUM PROFILE GRADE FOR ENTRANCES ARE 12% FOR PE; 10% FOR CE.

#### DETAIL FOR CALCULATING CULVERT LENGTH



• SEE SHEET 25 FOR CULVERT SCHEDULE

• SEE SHEET 25 FOR ENTRANCE SCHEDULE

FILE NAME =	USER NAME = maesbl	DESIGNED -	REVISED -
pw:\11\084EBIDINTEG.illinois.gov\PI\DOT\Documents\DOT Offices\District 9\Projects\13.g	DRAWN =	CHECKED -	REVISED -
Default	PLOT DATE = 3/18/2016	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

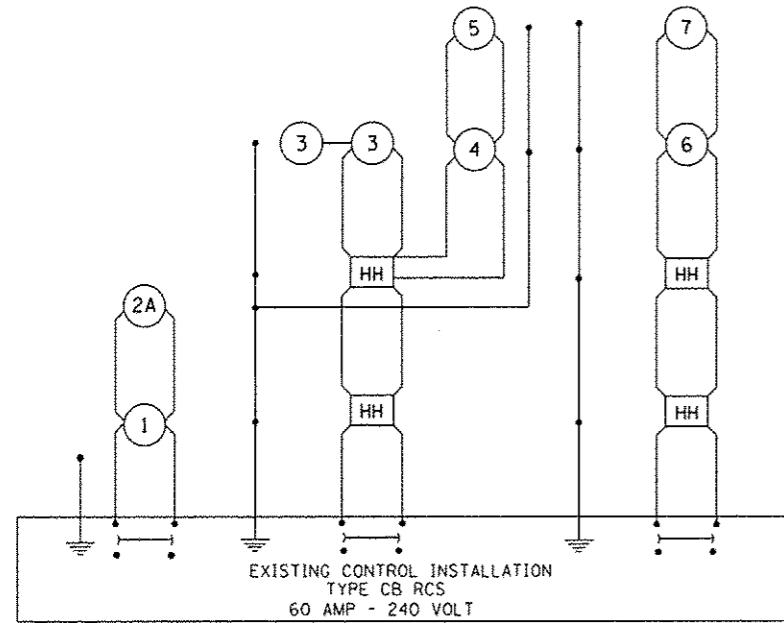
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-4) R-6	WILLIAMSON	120	73
				CONTRACT NO. 78452
ILLINOIS FED. AID PROJECT				

# WIRING DIAGRAM FOR LIGHTING

FOR INFORMATION ONLY

### NOTES:

- FOR SIZE AND TYPE OF CABLE USED FOR LIGHTING INSTALLATION SEE CABLE DIAGRAM SHEET NO.
- POWER TO CONTROL INSTALLATION SHALL REMAIN AS IS.



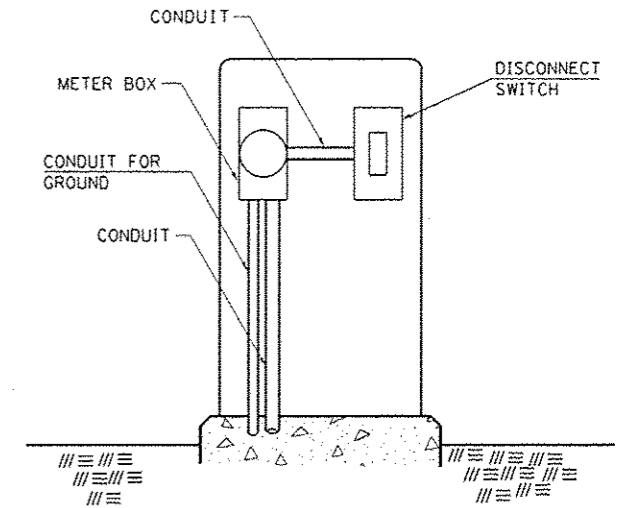
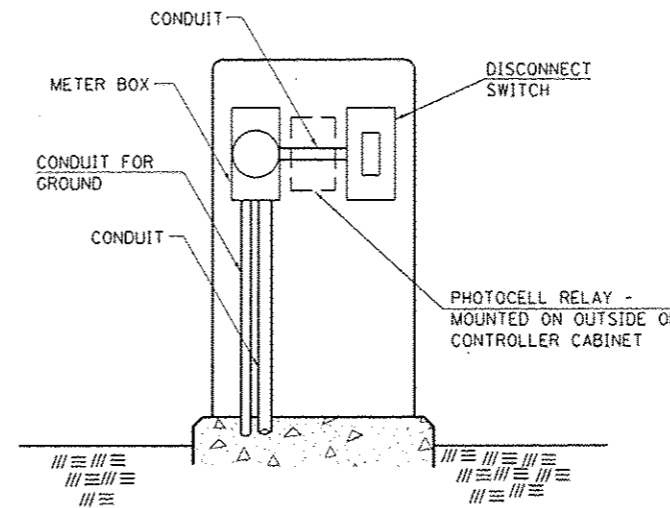
### LEGEND FOR WIRING DIAGRAM

- HH** INDICATES PROPOSED TRAFFIC SIGNAL HANDHOLE. NOTE: THE SIGNAL CONDUIT SYSTEM SHALL BE UTILIZED TO INSTALL WIRING FOR ALL THE PROPOSED LIGHTING SYSTEM, EXCEPT FOR LIGHT POLES NO.
- 1** NUMBER INDICATES POSITION OF POLE IN WIRING DIAGRAM.
- INDICATES PROPOSED GROUND AT LIGHT POLE AND CONTROL INSTALLATION.
- ⏚ INDICATES CONTINUOUS GROUND FROM CONTROL INSTALLATION.

REVISIONS	
DRAWN	7-27-93
REVISED	5-14-02
RESIZED	5-8-08
REVIEWED	5-17-13

STD. 9-59

# SERVICE INSTALLATION DETAILS



SERVICE INSTALLATION (SPECIAL) WITH PHOTOCELL RELAY

SERVICE INSTALLATION (SPECIAL)

### NOTE:

MATERIAL AND SIZE OF CONDUIT AND CABLE AS REQUIRED BY UTILITY COMPANY

FOR INFORMATION ONLY

REVISIONS	
DRAWN	1-31-90
REVISED	2-24-92
RESIZED	5-7-08
REVIEWED	5-17-13

STD. 9-68

# DETAIL OF DETECTOR LOOPS

### NOTES

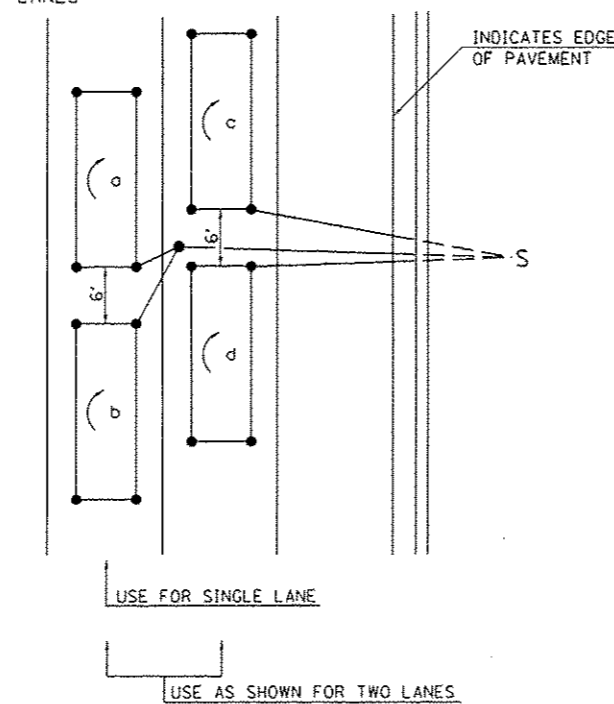
- THE DETECTOR LOOPS SHALL BE TYPE I. EACH DETECTOR LOOP SHALL HAVE 3 TURNS OF LOOP WIRE AND BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 886 OF THE STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS.
- BEGINNING LEAD WIRES SHALL BE CONNECTED TO THE BLACK LEAD AND THE ENDING LEAD WIRES SHALL BE CONNECTED TO THE WHITE LEAD OF THE TWIN TWISTED FEED CABLES AT THE SPLICE POINT.
- WHERE THE LOOPS ARE INSTALLED PRIOR TO RESURFACING, THE LOOP CORNERS SHALL BE DIAGONALLY CUT.

### LOOP LEGEND

- ( ) CLOCKWISE ROTATION FOR LOOP WIRES
- S INDICATES SPLICE POINT FOR DETECTOR LOOP LEAD
- INDICATES 2" CORE-DRILL

### LOOP LAYOUT

ALL LOOPS ARE 6' x 20'



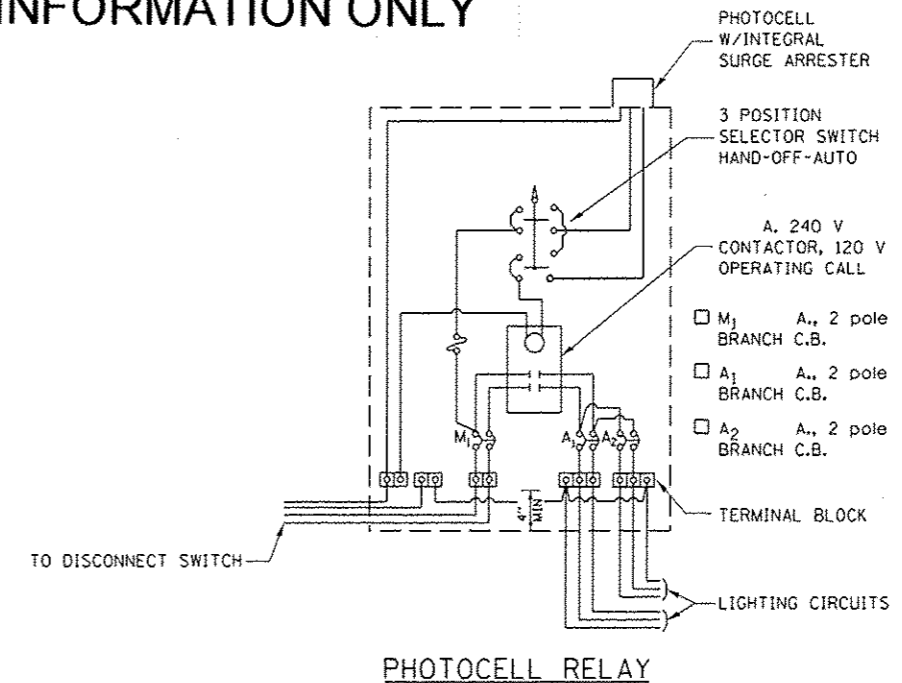
DETAIL 6' x 20' DETECTOR LOOPS

REVISIONS	
REDRAWN	5-13-02
REVISED	10-27-05
REVISED	3-26-08
REDRAWN	3-16-11
REVISED	4-12-13

STD. 9-92

# OUTDOOR LIGHTING CONTROL CABINET (GROUND MOUNT CABINET ONLY)

FOR INFORMATION ONLY



PHOTOCELL RELAY

REVISIONS	
DRAWN	5-18-90
REVISED	5-13-02
REVISED	3-26-08
REVIEWED	5-17-13

STD. 9-76

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DETAILS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(1-4) R-6	WILLIAMSON	120	74

ILLINOIS FED. AID PROJECT

FILE NAME	USER NAME	DESIGNED	REVISED
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		CHECKED	REVISED
		DATE	REVISED

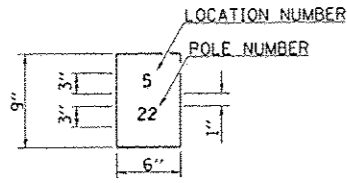
SCALE: SHEET OF SHEETS STA. TO STA.

# POLE STANDARDS

# FOR INFORMATION ONLY

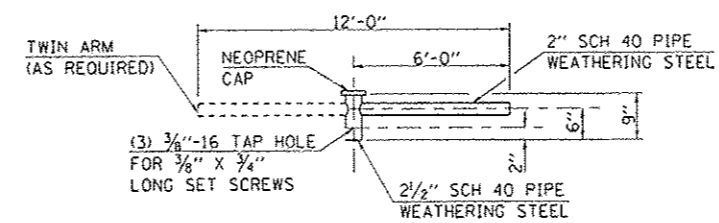
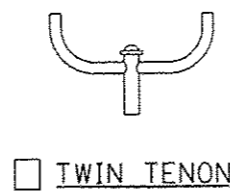
"INSTALL AND ORIENT ARM BRACKET OVER POLE TENON AND FIRMLY HAND TIGHTEN THE TWO SET SCREWS. USE THIRD HOLE IN ARM BRACKET AS A GUIDE TO DRILL A 3/8" DIAMETER HOLE THROUGH TENON. INSTALL AND TIGHTEN SELF-TAPPING SCREW. TIGHTEN SET SCREWS AN ADDITIONAL 1/4 TO 3/8 TURN WITH HEX KEY (NOT PROVIDED). INSTALL LOCKNUTS ON SET SCREWS IF THREADED PROJECTION ALLOWS."

POLE SHALL MEET AASHTO STANDARD SPECIFICATIONS FOR 80 MPH WIND LOADING AND 90 LB. 4.0 SQ. FT E.P.A. LUMINAIRE.

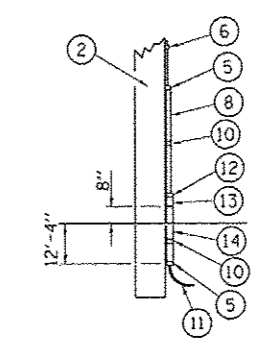
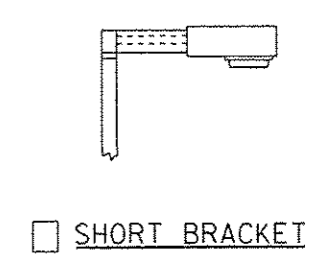
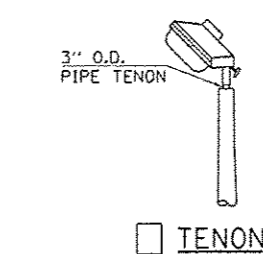
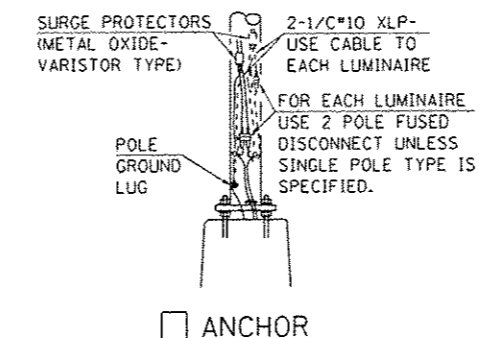
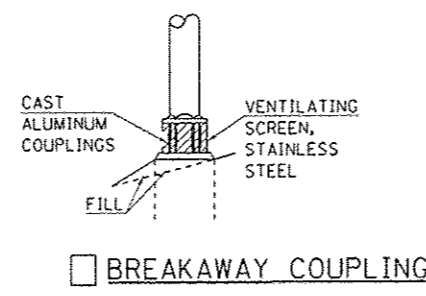
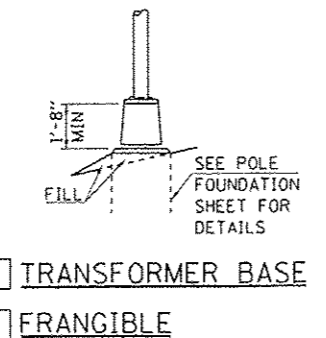
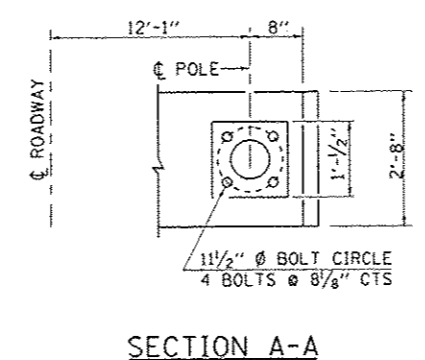
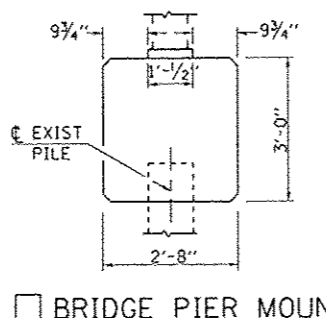
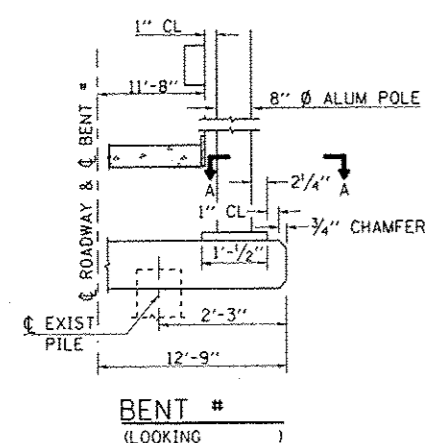
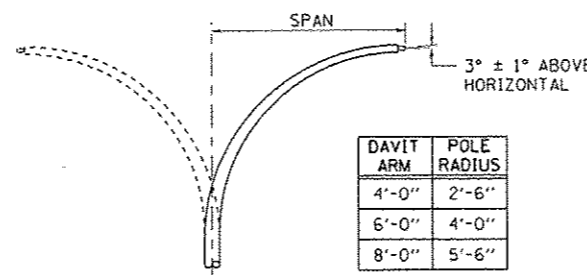


THE CONTRACTOR SHALL FURNISH AND INSTALL A LIGHT POLE IDENTIFICATION OF EACH NEW LIGHT POLE, AS SHOWN ABOVE, INCIDENTAL TO THE RESPECTIVE LIGHT POLE PAY ITEM. THE NUMERALS SHALL BE 3", SERIES "D", BLACK, SCREENED ON SILVER-WHITE TYPE B PRESSURE SENSITIVE REFLECTIVE SHEETING CONFORMING TO THE REQUIREMENTS OF SECTION T602.01 OF THE STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS. THE NUMERALS SHALL CONFORM TO THE FHWA "STANDARD ALPHABETS FOR HIGHWAY SIGNS".

THE LIGHT POLE IDENTIFICATION SHALL BE APPLIED TO SIGN BASE MATERIAL AS SPECIFIED IN SECTION 719.11 OF THE STANDARD SPECIFICATIONS, APPROXIMATELY 7" ABOVE THE ADJACENT PAVEMENT GRADE VISIBLE TO APPROACHING TRAFFIC IN ACCORDANCE WITH HIGHWAY STANDARD 2319.

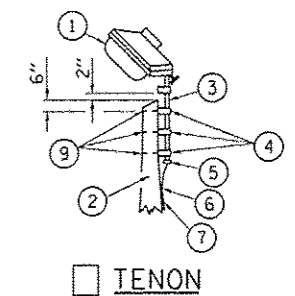
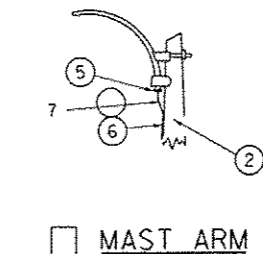


NOTE: SINGLE OR TWIN ARM ASSEMBLY SHALL BE TILTED 3° ABOVE HORIZONTAL.

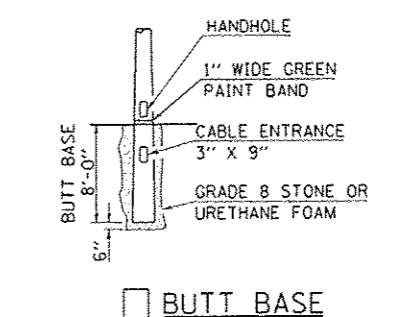


POLE LENGTH	DEPTH IN GROUND
65'-0"	12'-0"
60'-0"	10'-0"
55'-0"	9'-0"
50'-0"	8'-0"
45'-0"	7'-0"
40'-0"	6'-6"
35'-0"	6'-0"
30'-0"	5'-6"

DETAILS FOR UNDERGROUND DISTRIBUTION IF REQUIRED



- ① LUMINAIRE
- ② WOOD POLE, CLASS 3 OR BETTER
- ③ 2 1/2" GALV. STEEL CONDUIT
- ④ SINGLE OFFSET POLE BAND
- ⑤ CONDUIT BUSHING
- ⑥ CABLE CLAMPS ON 2' CENTERS
- ⑦ 2/C #12 TYPE USE CABLE
- ⑧ 1" GALV. STEEL CONDUIT 10' IN LENGTH
- ⑨ 5/8" Ø HOT DIPPED GALVANIZED BOLT WITH FLAT WASHER & LOCKNUT (3 REQ'D)
- ⑩ CONDUIT CLAMPS ON 3' CENTERS
- ⑪ UNIT DUCT
- ⑫ THREADED REDUCER
- ⑬ "C" CONDULET, THREADED
- ⑭ 1 1/2" GALV. STEEL CONDUIT FOR 1 UNIT DUCT OR 3" GALV. STEEL CONDUIT FOR 2 OR 3 UNIT DUCTS.



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DETAILS - POLE STANDARDS

STD. 9-115

REVISIONS	
DRAWN	2-9-01
REVISED	4-14-02
RESIZED	5-6-08
REVIEWED	5-17-13

# LIGHT POLE FOUNDATION

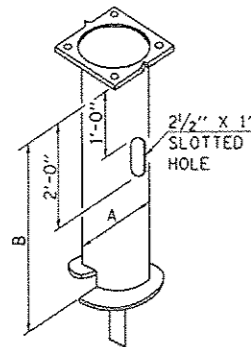
FOR INFORMATION ONLY

BOLT CIRCLE	A	B	MOUNTING HEIGHT
1'-3"	10"	6'-0"	45'-0" OR 50'-0" *
1'-3"	8"	6'-0"	45'-0"
11"	8"	6'-0"	40'-0" OR LESS

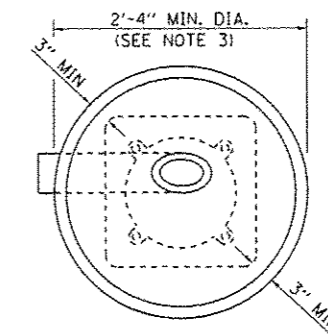
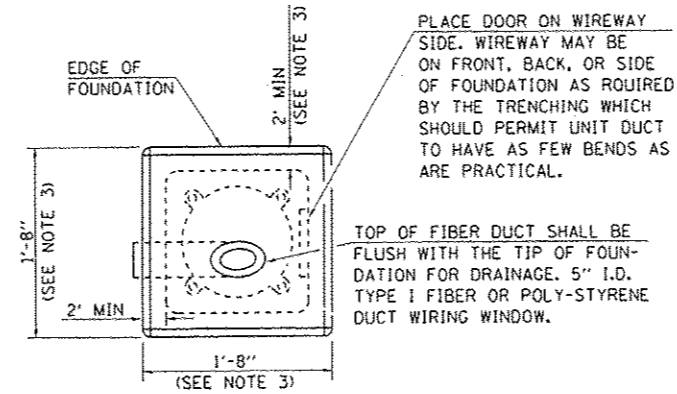
HEIGHT	DEPTH	BOLT CIRCLE
30'-0"	5'-0"	11"
31'-0" - 35'-0"	6'-0"	11"
36'-0" - 40'-0"	7'-0"	1'-3"
41'-0" - 45'-0"	7'-6"	1'-3"
46'-0" - 50'-0"	8'-0"	1'-3"

\* FOR USE ON POLES W/TWIN TENON

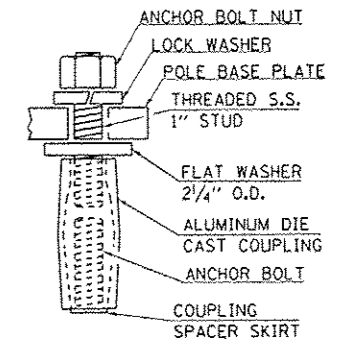
\*\* MINIMUM TORQUE REQ'D TO INSTALL FOUNDATIONS SHALL BE 5,000 LBS



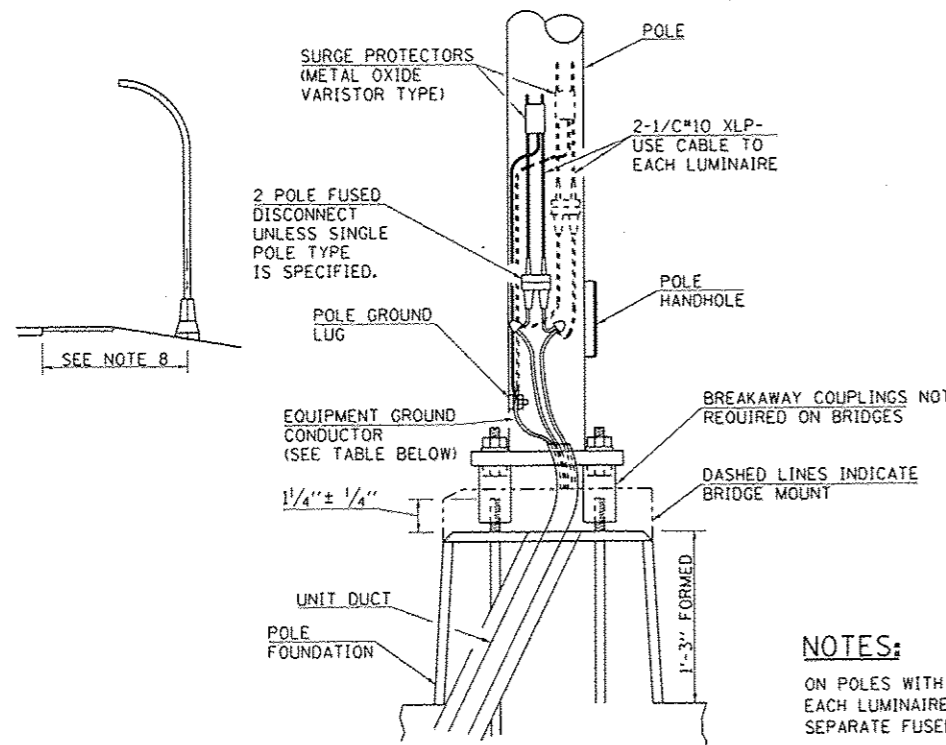
STEEL POLE FOUNDATION



ALT. FOUNDATION



TYP. COUPLING



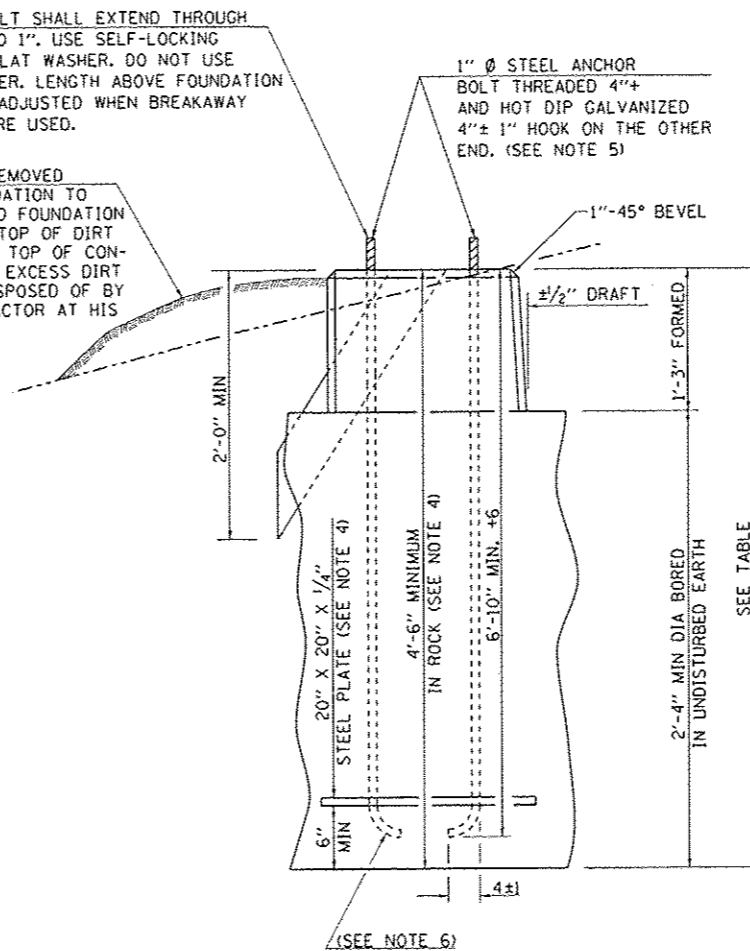
BREAKER SIZE	CONDUCTOR SIZE
30 AMP.	#10 COPPER
40 AMP.	#10 COPPER
60 AMP.	#10 COPPER
100 AMP.	#8 COPPER

**NOTES:**  
ON POLES WITH TWO LUMINAIRES, EACH LUMINAIRE SHALL HAVE A SEPARATE FUSED DISCONNECT.  
INSTALLATION INSTRUCTIONS:  
SCREW COUPLINGS ON TO ANCHOR BOLTS TO END OF THREADS. LEVEL COUPLINGS. VERY IMPORTANT, AS COUPLINGS WILL BECOME OVERSTRESSED AND EITHER CRACK OR STRIP THREADS INSIDE COUPLING.

ANCHOR BOLT SHALL EXTEND THROUGH NUT 3/8" TO 1". USE SELF-LOCKING NUT AND FLAT WASHER. DO NOT USE LOCK-WASHER. LENGTH ABOVE FOUNDATION SHALL BE ADJUSTED WHEN BREAKAWAY DEVICES ARE USED.

USE DIRT REMOVED FROM FOUNDATION TO FILL AROUND FOUNDATION TOP. MAKE TOP OF DIRT LEVEL WITH TOP OF CONCRETE. ANY EXCESS DIRT WILL BE DISPOSED OF BY THE CONTRACTOR AT HIS EXPENSE.

1" Ø STEEL ANCHOR BOLT THREADED 4"± AND HOT DIP GALVANIZED 4"± 1" HOOK ON THE OTHER END. (SEE NOTE 5)



METAL OR  CONCRETE

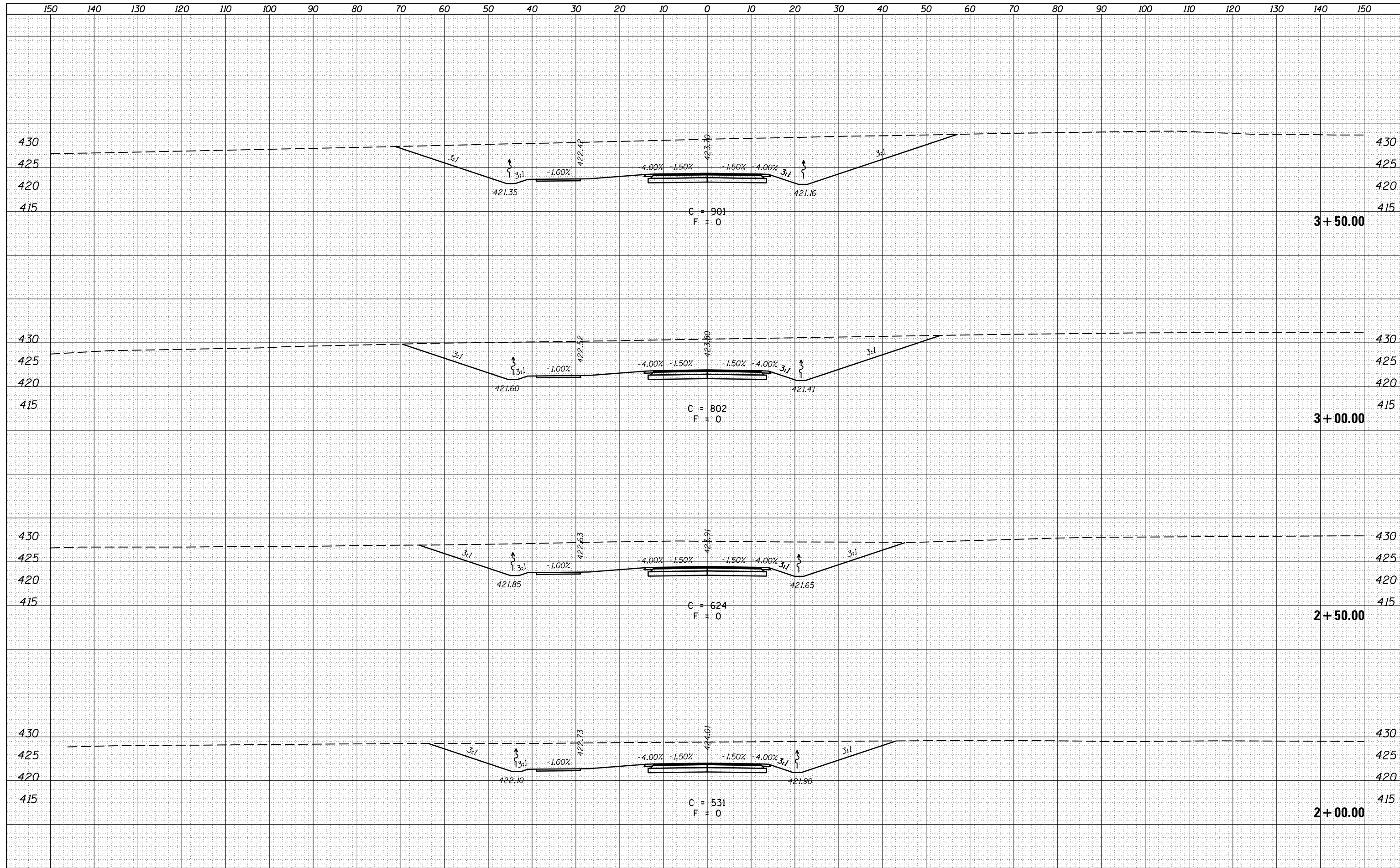
## GENERAL NOTES

- AFTER POURING CONCRETE, THE FORM SHALL REMAIN UNDISTURBED OVERNIGHT.
- THE TOP 15" ONLY SHALL BE FORMED. CONCRETE BOUNDED BY UNDISTURBED EARTH ONLY SHALL FILL THE REMAINDER OF THE HOLE.
- MINIMUM CLEARANCE FROM THE OUTSIDE EDGE OF FOUNDATION TO ANY PART OF THE POLE BASEPLATE SHALL BE 3".
- THE DEPTH OF THE FOUNDATION MAY BE REDUCED 6" FOR EVERY 12" OF ROCK ENCOUNTERED WITH A MINIMUM DEPTH OF 4'-6". WHEN THE DEPTH OF THE FOUNDATION IS DECREASED TO LESS THAN 6' THE ANCHOR BOLTS SHALL BE CUT, THREADED, AND A STEEL PLATE 20" X 20" X 1/4" SHALL BE INSTALLED ON THE ANCHOR BOLTS 6" ABOVE THE BOTTOM OF THE EXCAVATION. THE COST SHALL BE INCIDENTAL THE FOUNDATION.
- ON PARAPET WALLS USE 1 1/4" Ø ANCHOR BOLTS. USE SELF-LOCKING NUT AND FLAT WASHER. DO NOT USE LOCKWASHER. (FOR DETAILS SEE STANDARD 111/2.35 OF BRIDGE DESIGN MANUAL.
- BEND RADIUS SHALL BE FOUR TIMES BOLT DIAMETER.
- CONNECT GROUND WIRES TO POLE BASE GROUND LUG, NOT ANCHOR BOLTS OR TRANSFORMER BASE.
- LOW MOUNT POLE FOUNDATION SETBACK: FOR HORIZONTAL MOUNTED LUMINAIRES, SETBACK SHALL BE A MINIMUM OF 20' FROM EDGE OF PAVEMENT. FOR VERTICAL MOUNT LUMINAIRES, SETBACK SHALL BE A MINIMUM OF 30' FROM EDGE OF PAVEMENT. POLES SHALL BE LOCATED 5' BEHIND GUARDRAIL OR OTHER PROTECTIVE BARRIERS, OR AS DIRECTED BY THE ENGINEER.



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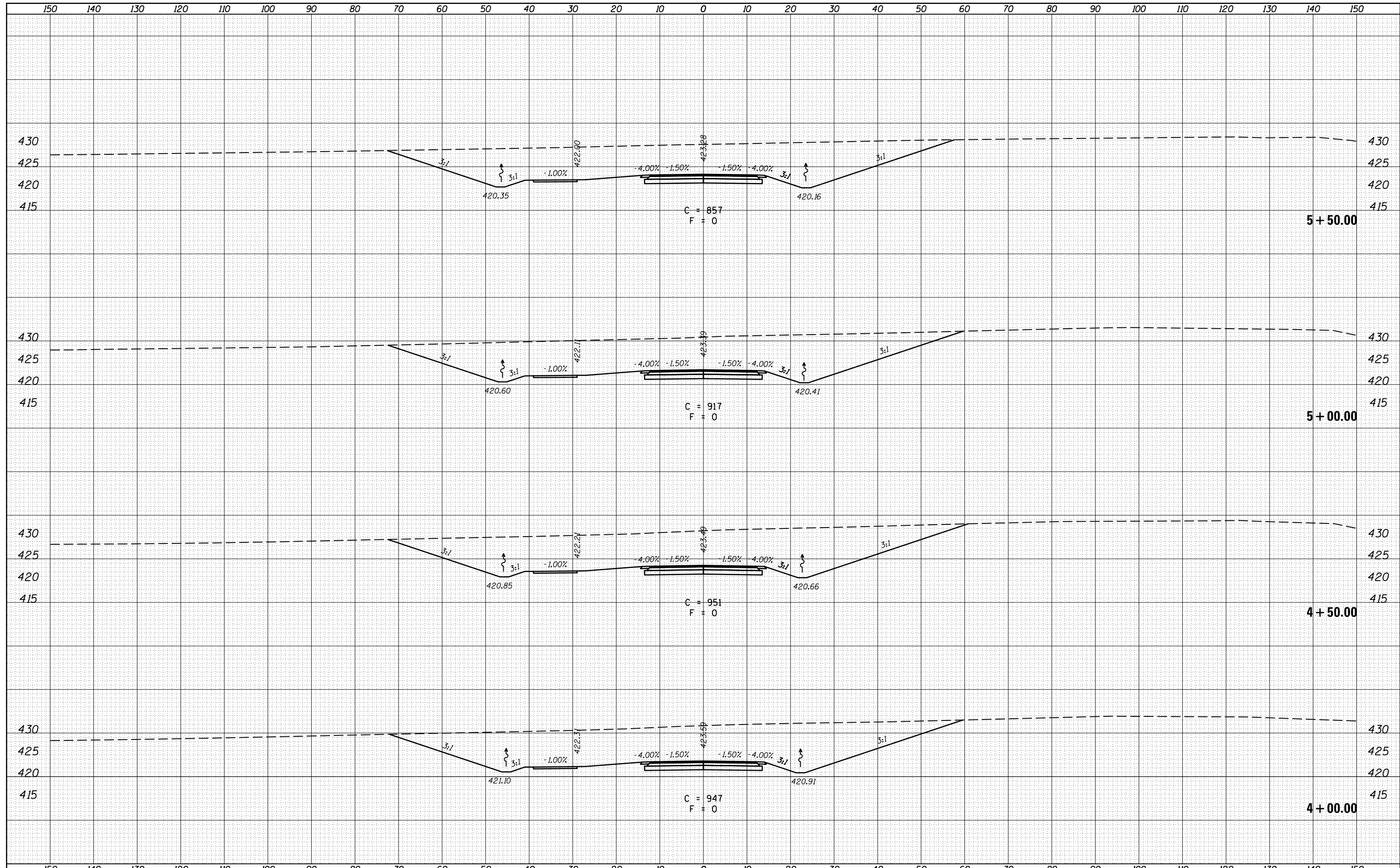


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Mar-7-BrandyRoad	PLOT SCALE = 20.0000' / in.	DATE -	REVISED -			CONTRACT NO. 78452			ILLINOIS FED. AID PROJECT	
	PLOT DATE = 3/18/2016					SCALE:	SHEET 2	OF 35 SHEETS	STA. 2+00.00	TO STA. 3+50.00



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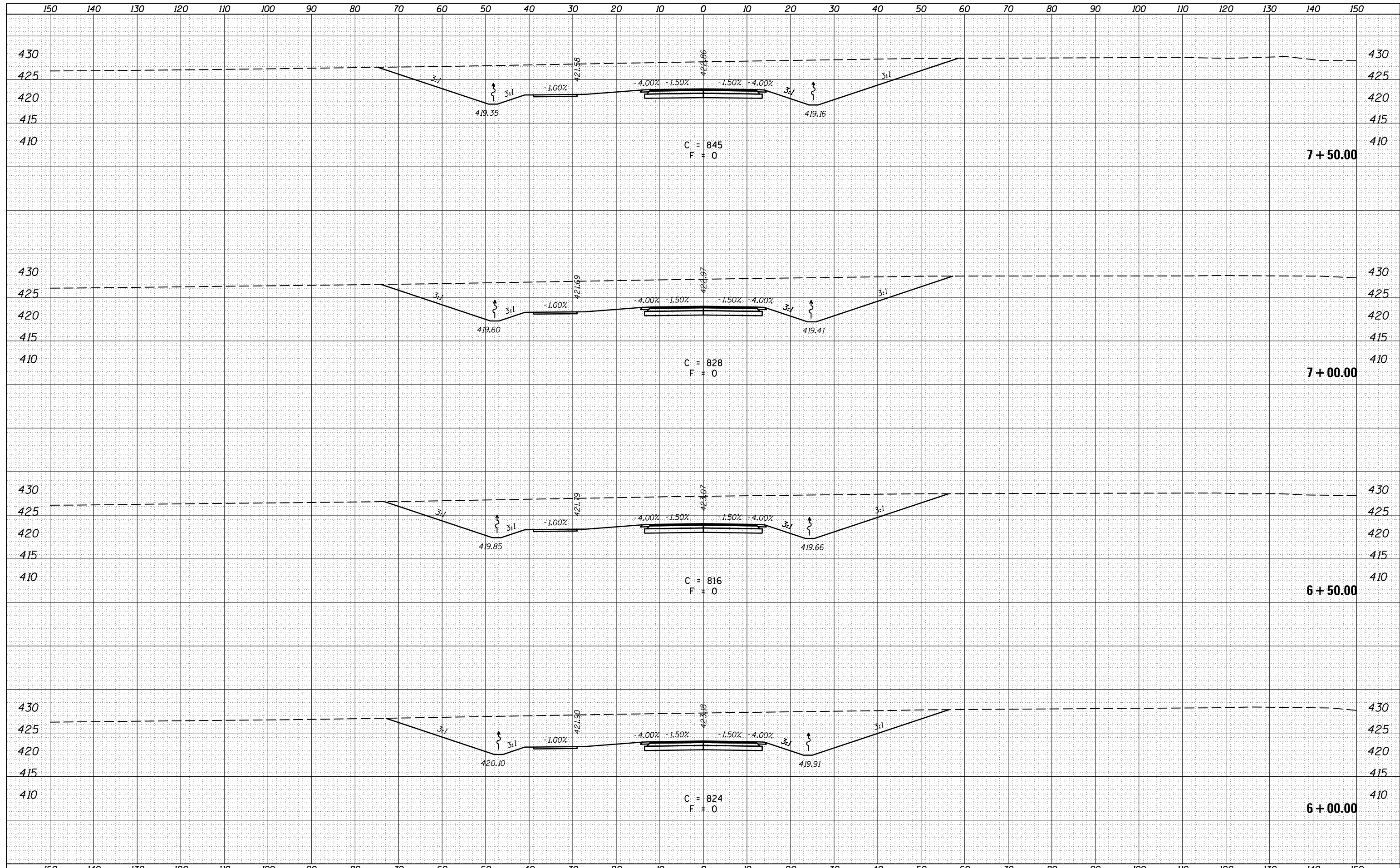
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Mar-7-BrandyRoad	PLOT SCALE = 20.0000' / in.	DATE -	REVISED -			CONTRACT NO. 78452				
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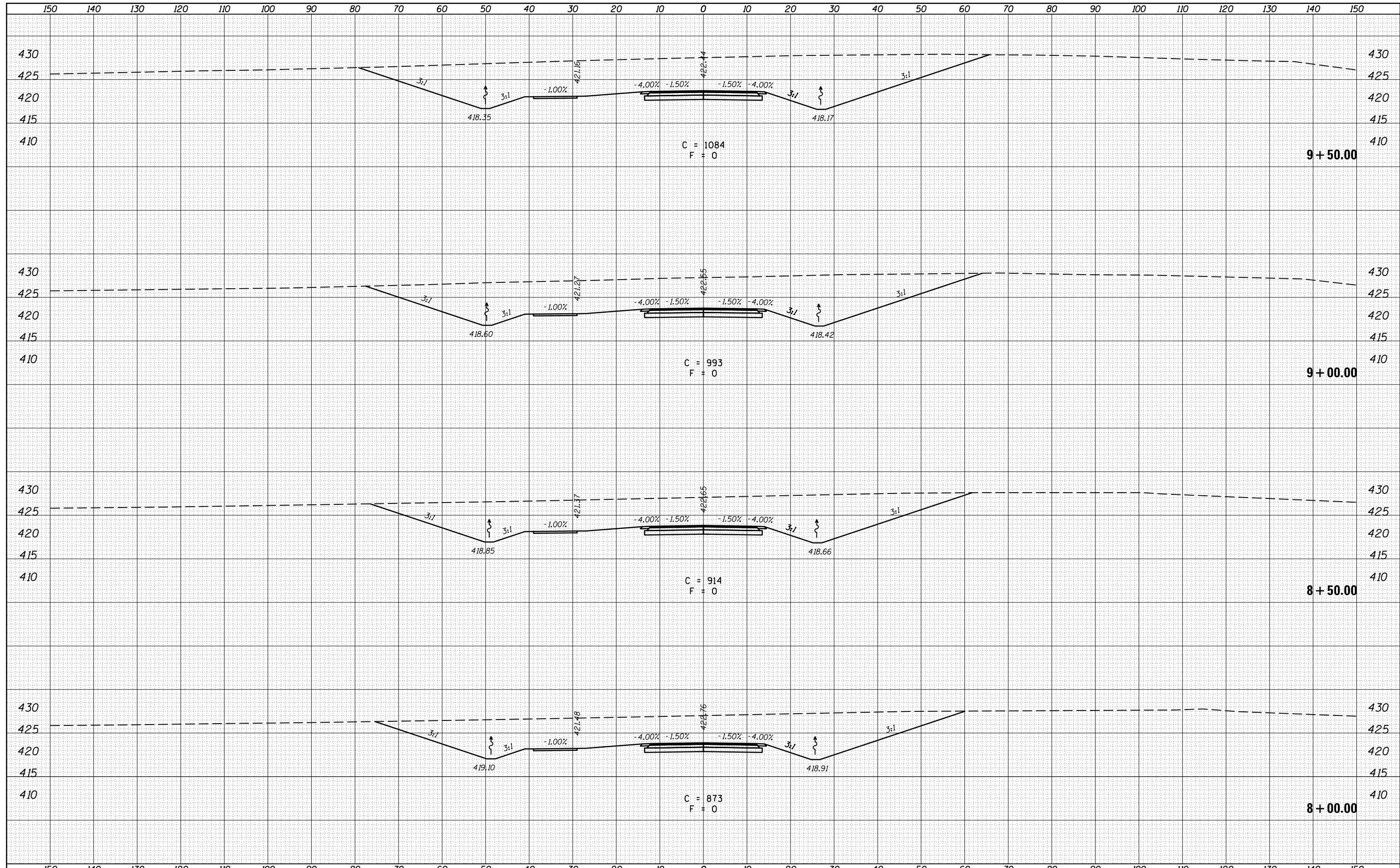


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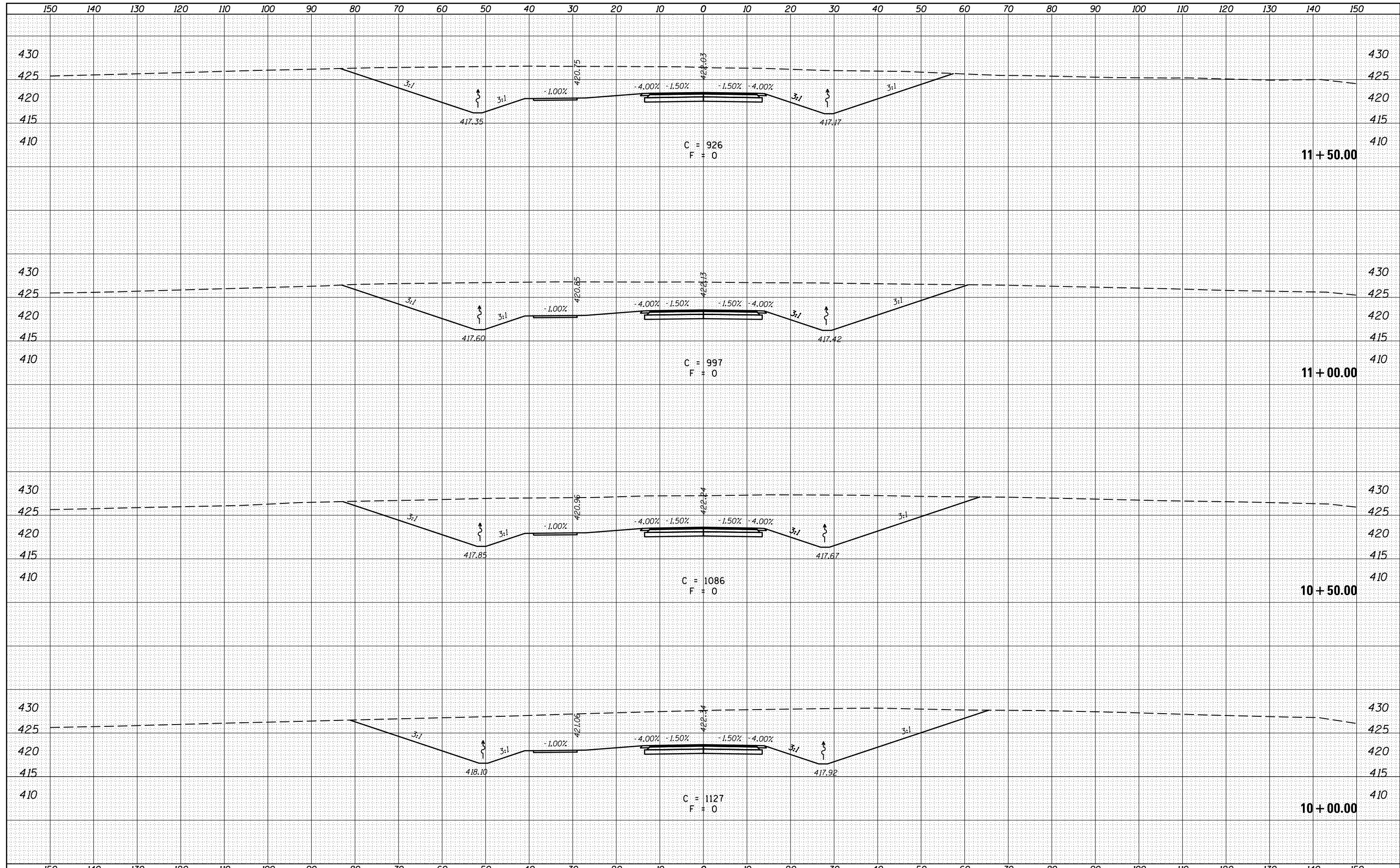
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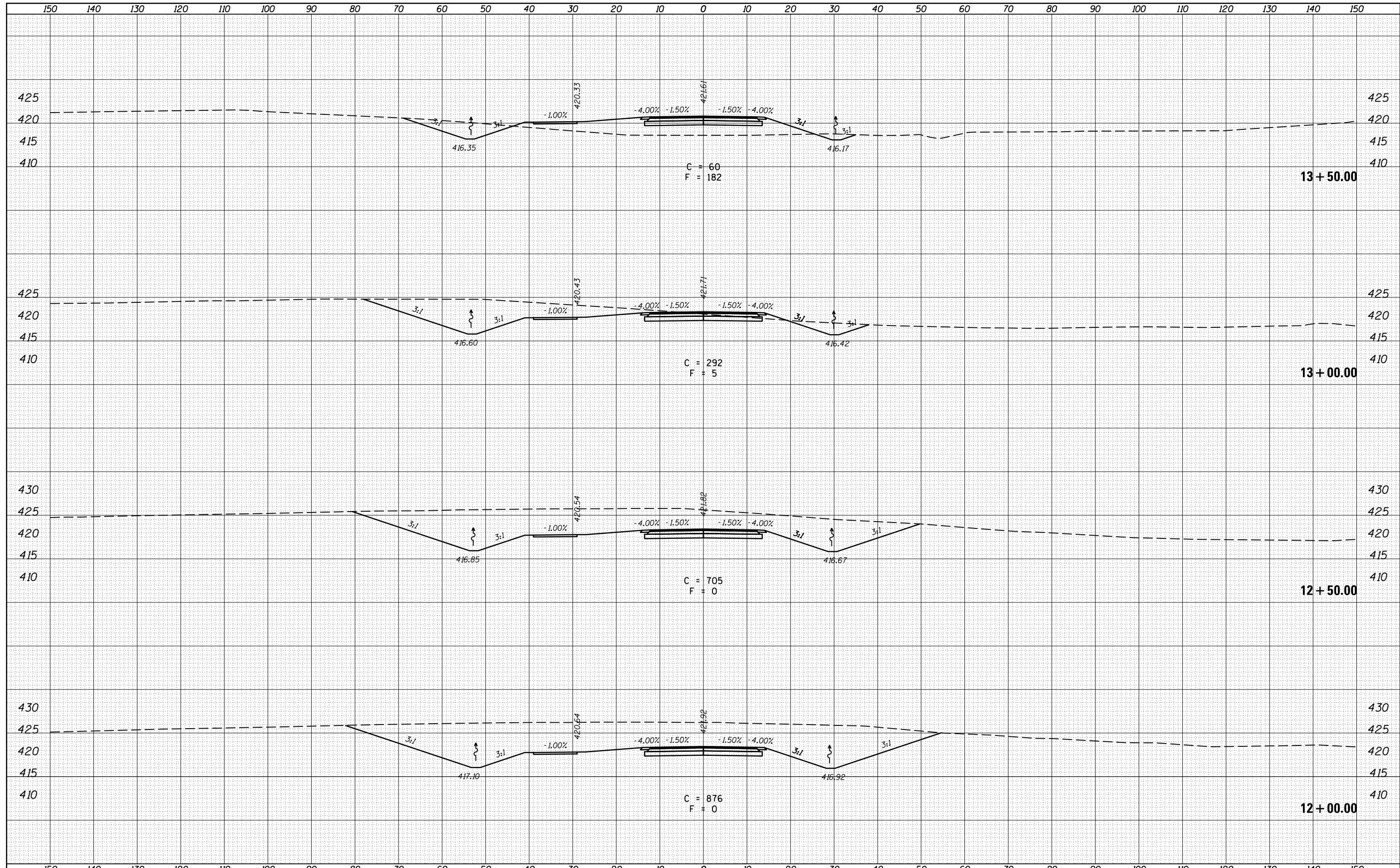
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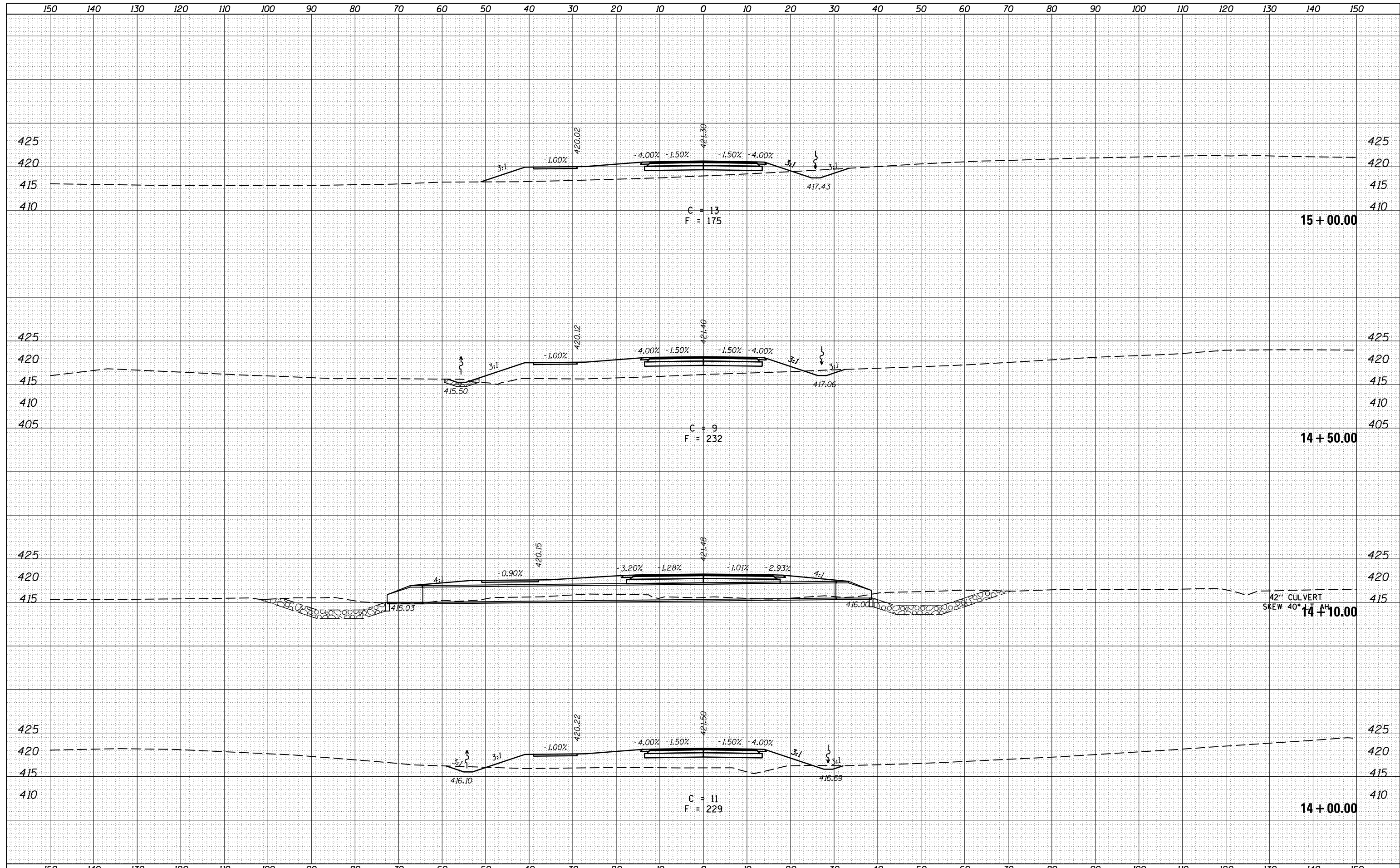
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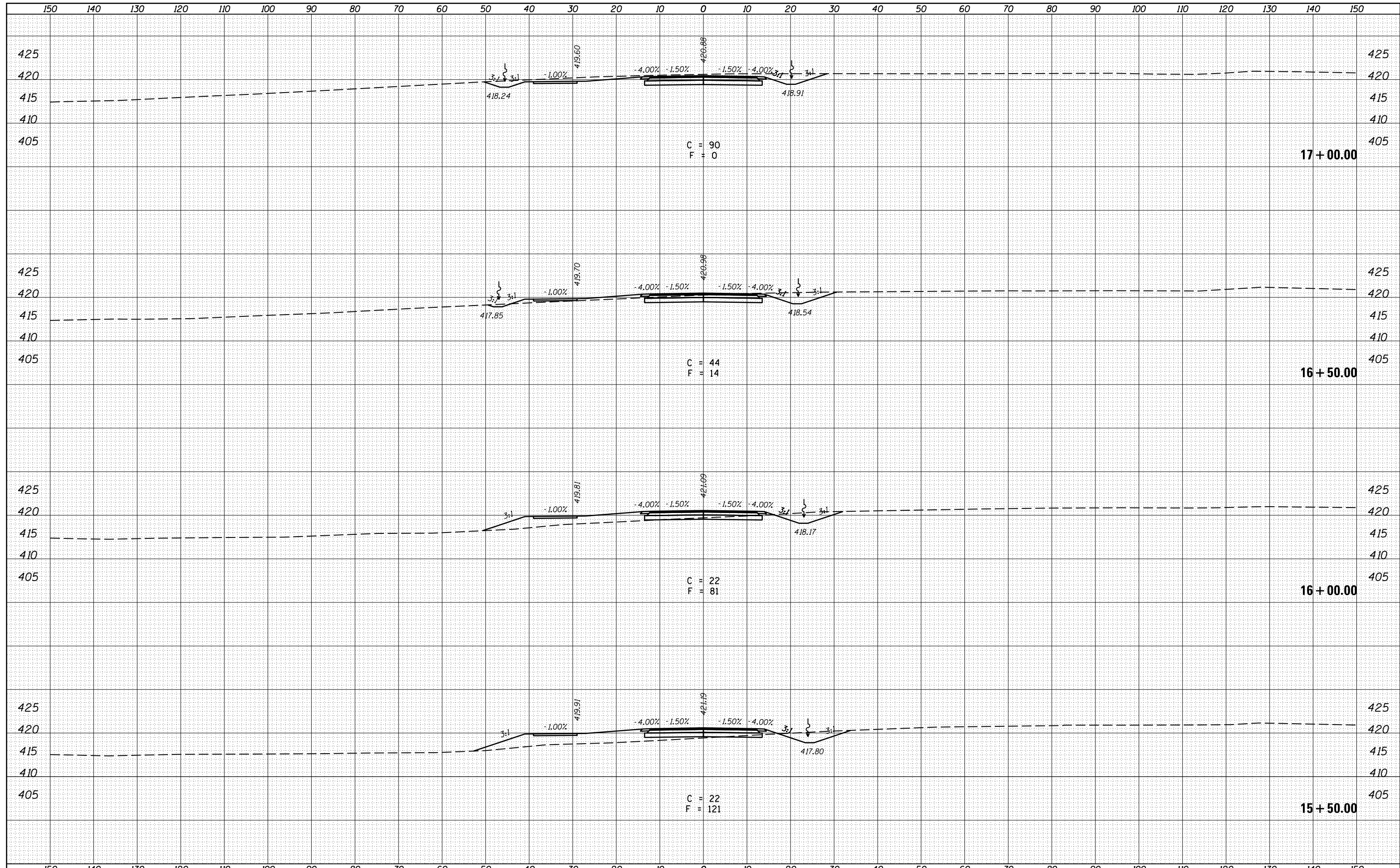
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	PLOT DATE = 3/18/2016		REVISED -					ILLINOIS FED. AID PROJECT				
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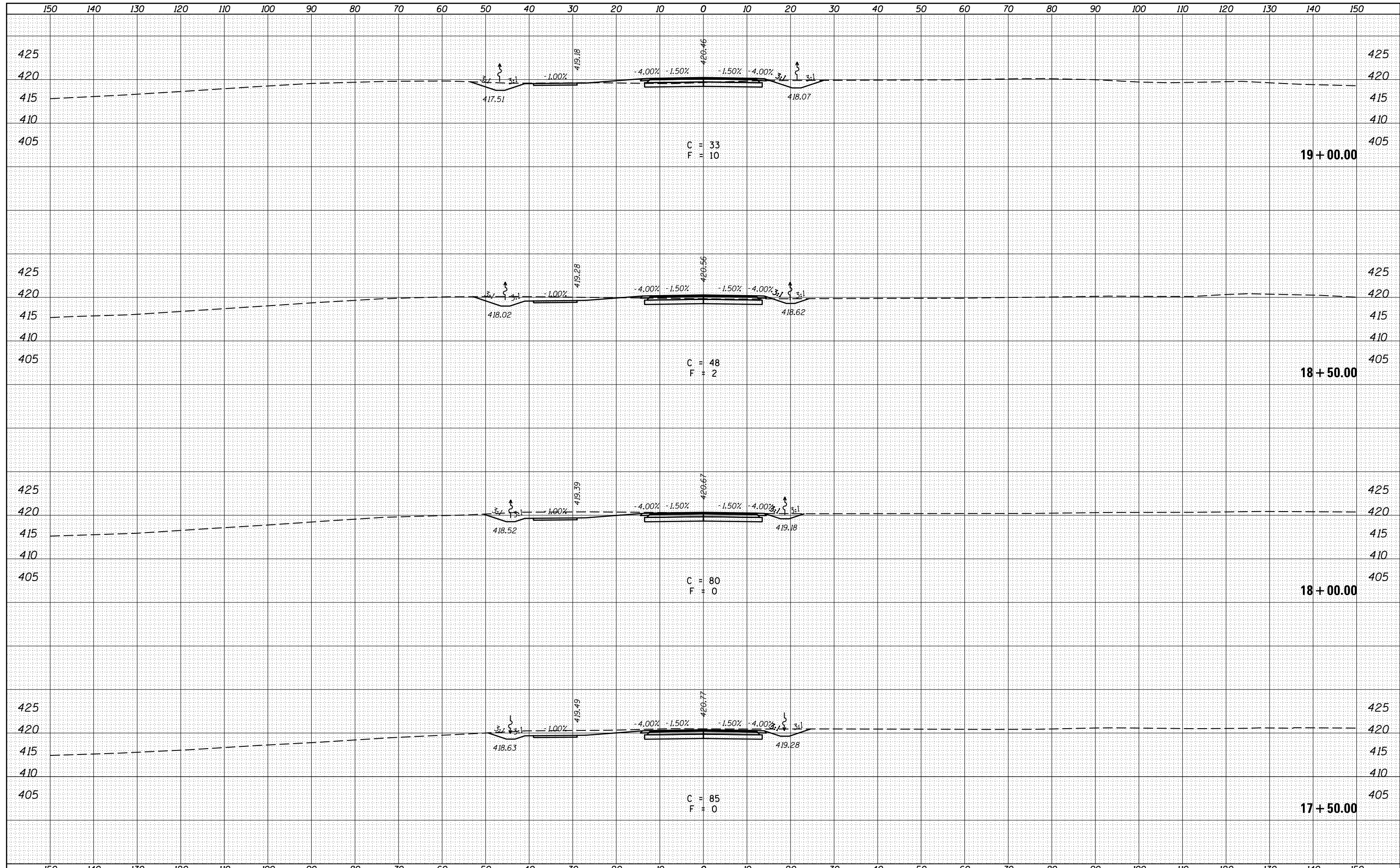


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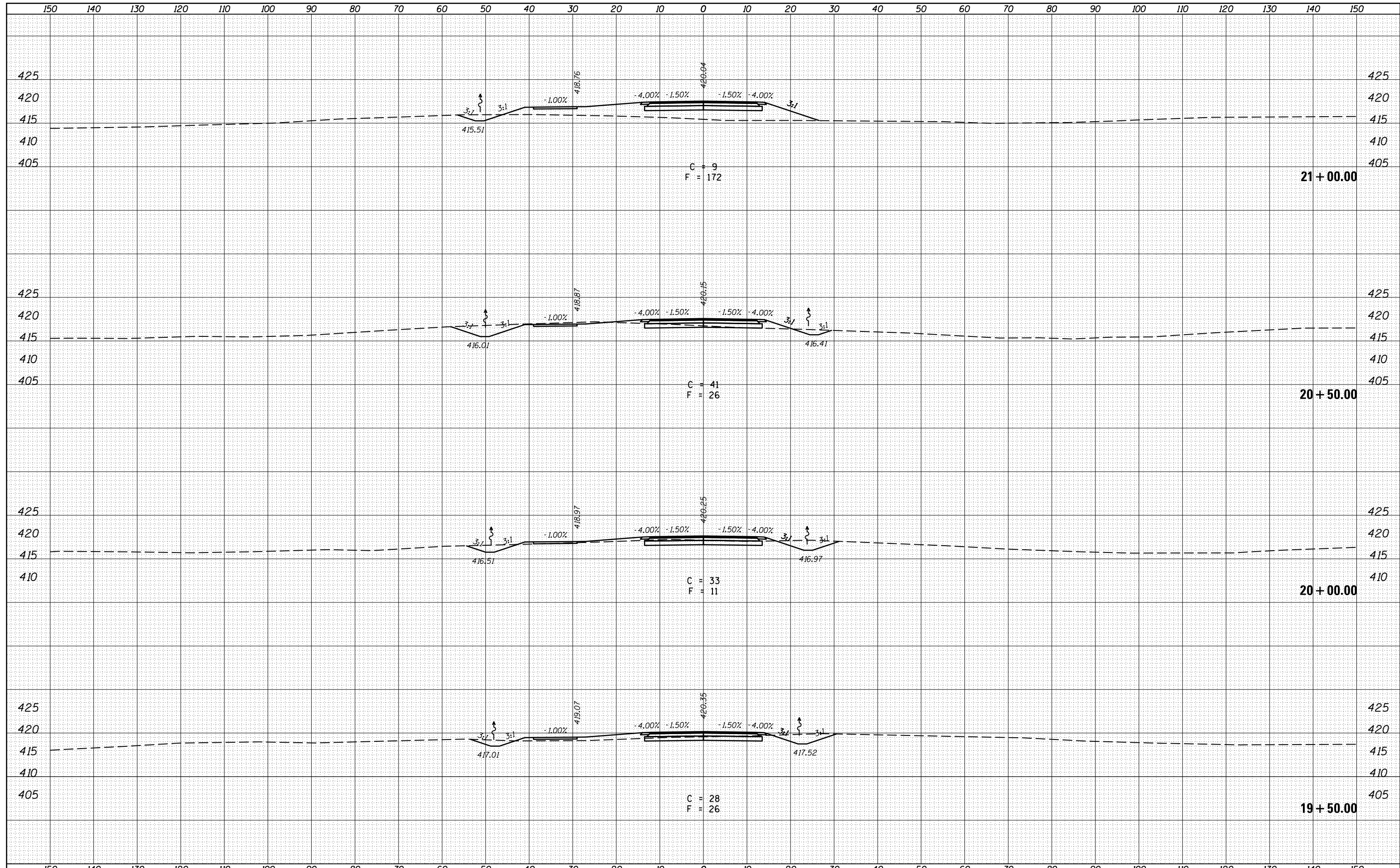
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	PLOT DATE = 3/18/2016		REVISED -					ILLINOIS FED. AID PROJECT				

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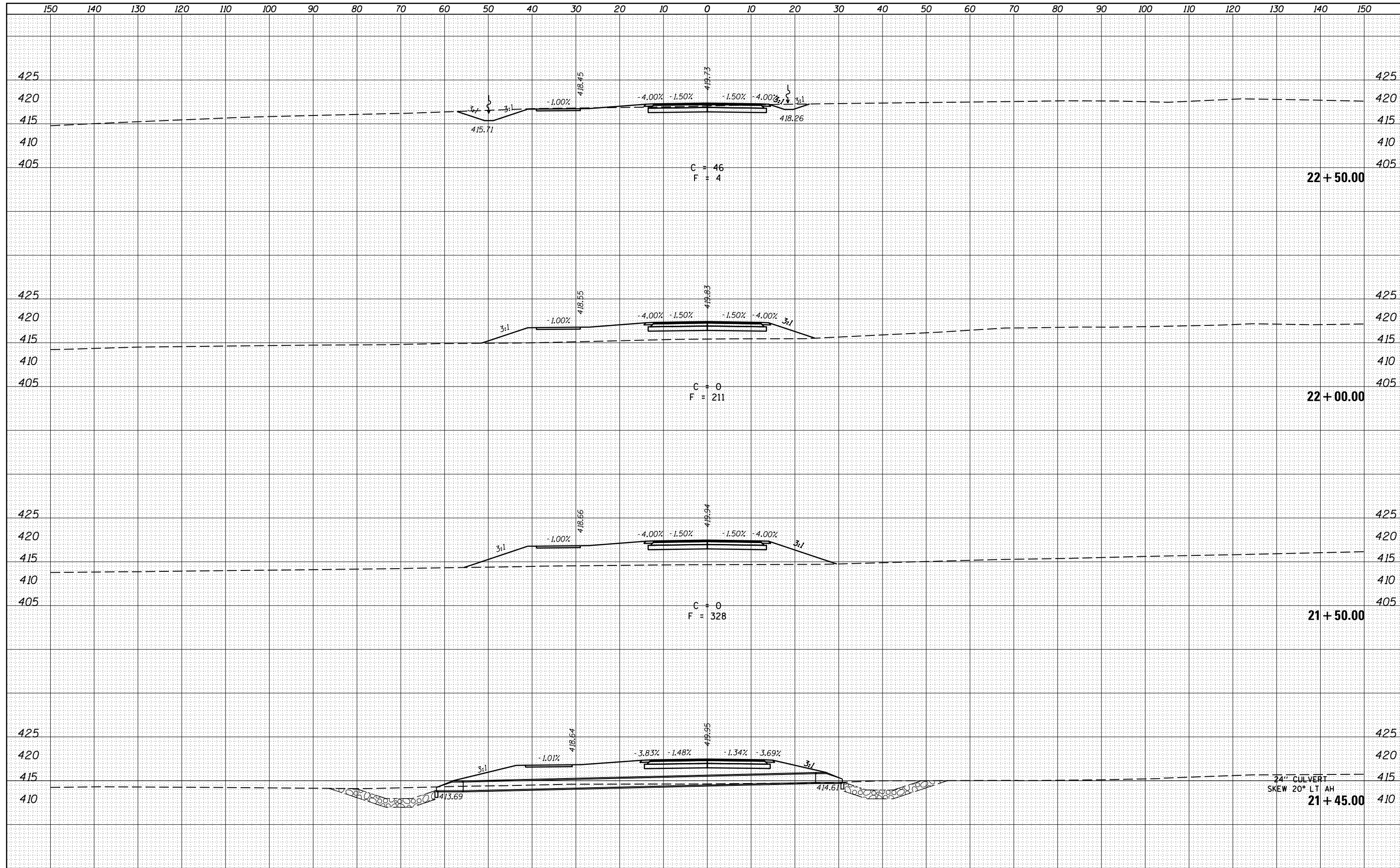
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Mar-7-BrandyRoad	PLLOT SCALE = 20.0000' / in.	DATE -	REVISED -			CONTRACT NO. 78452			ILLINOIS FED. AID PROJECT	
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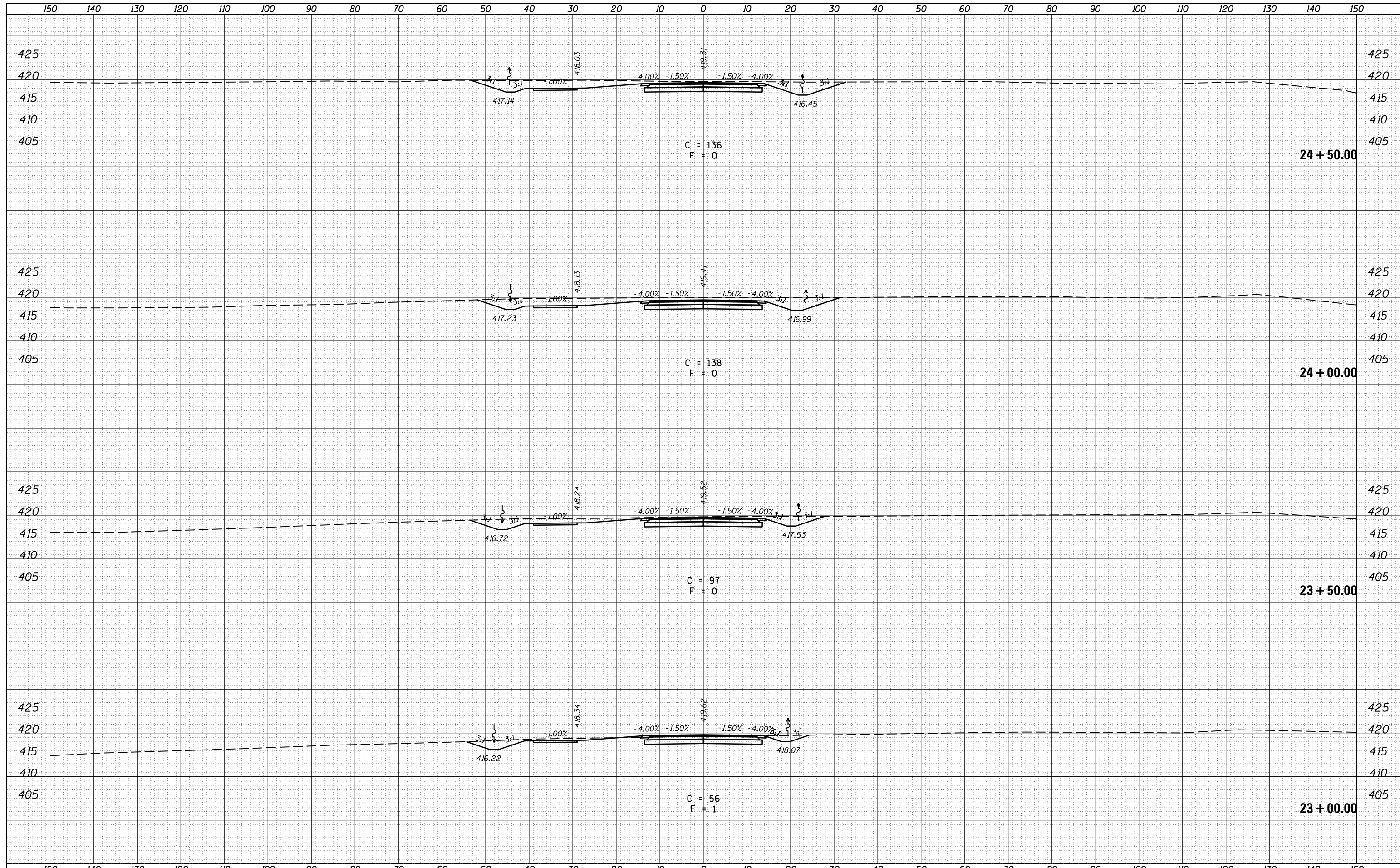


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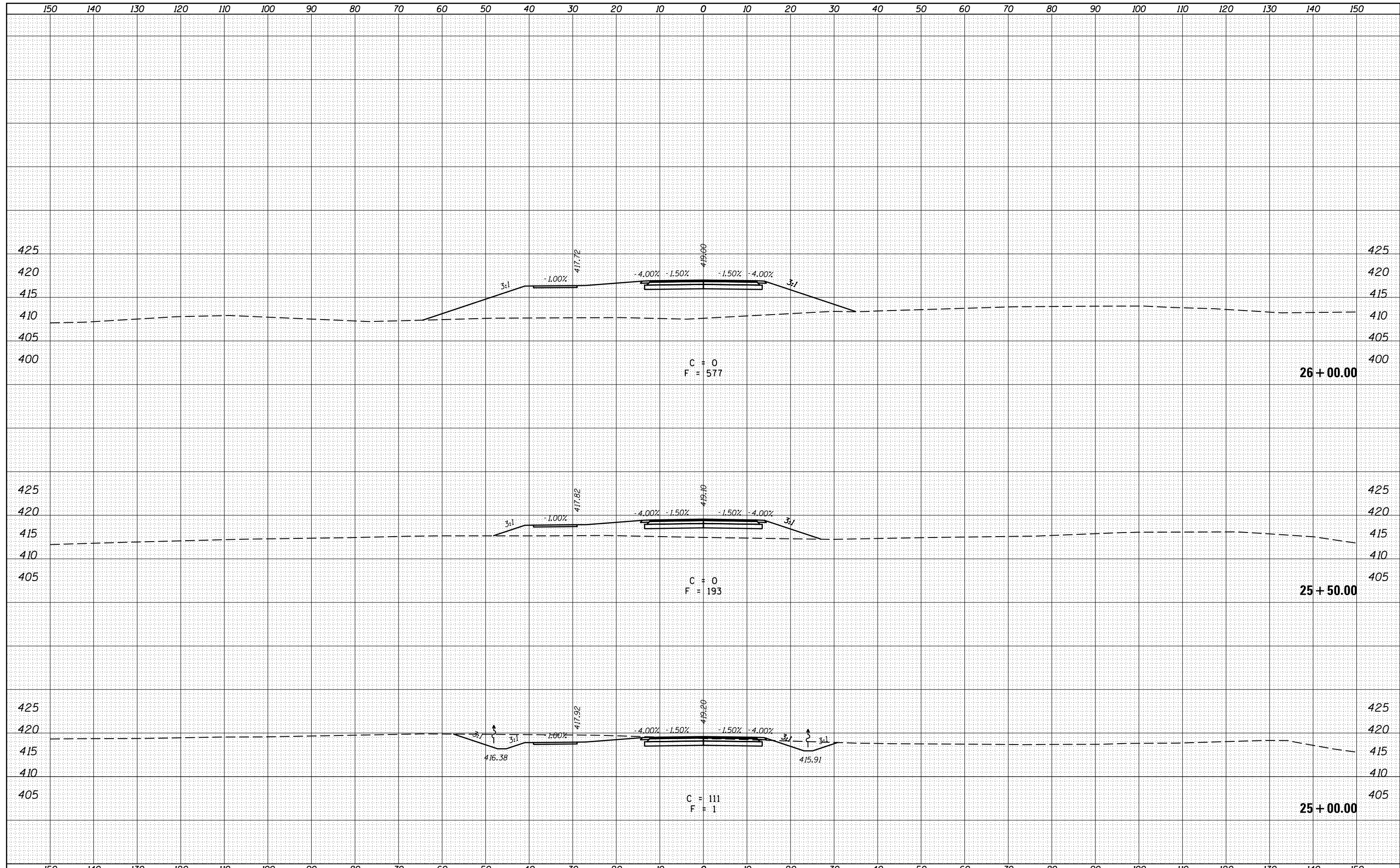
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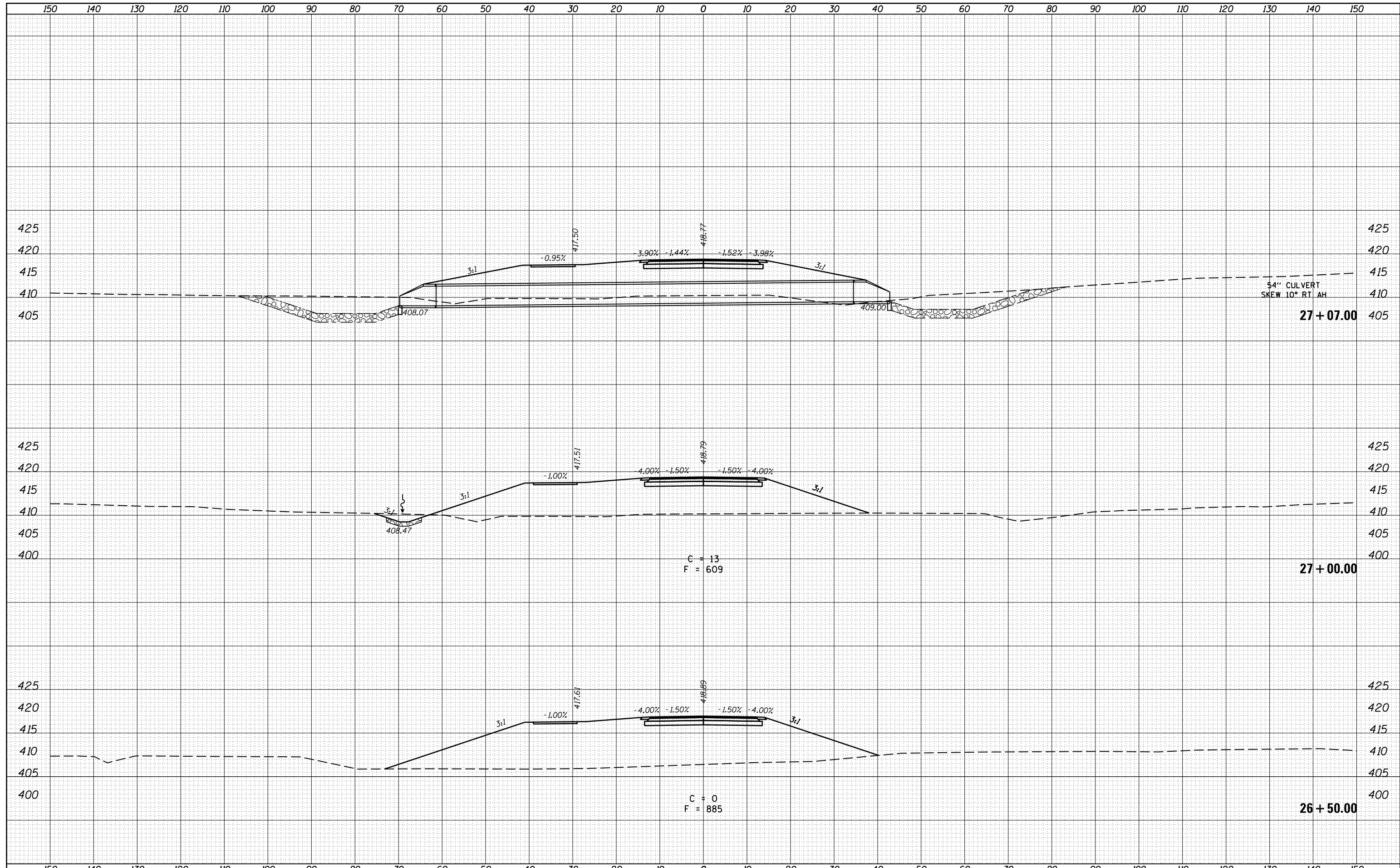
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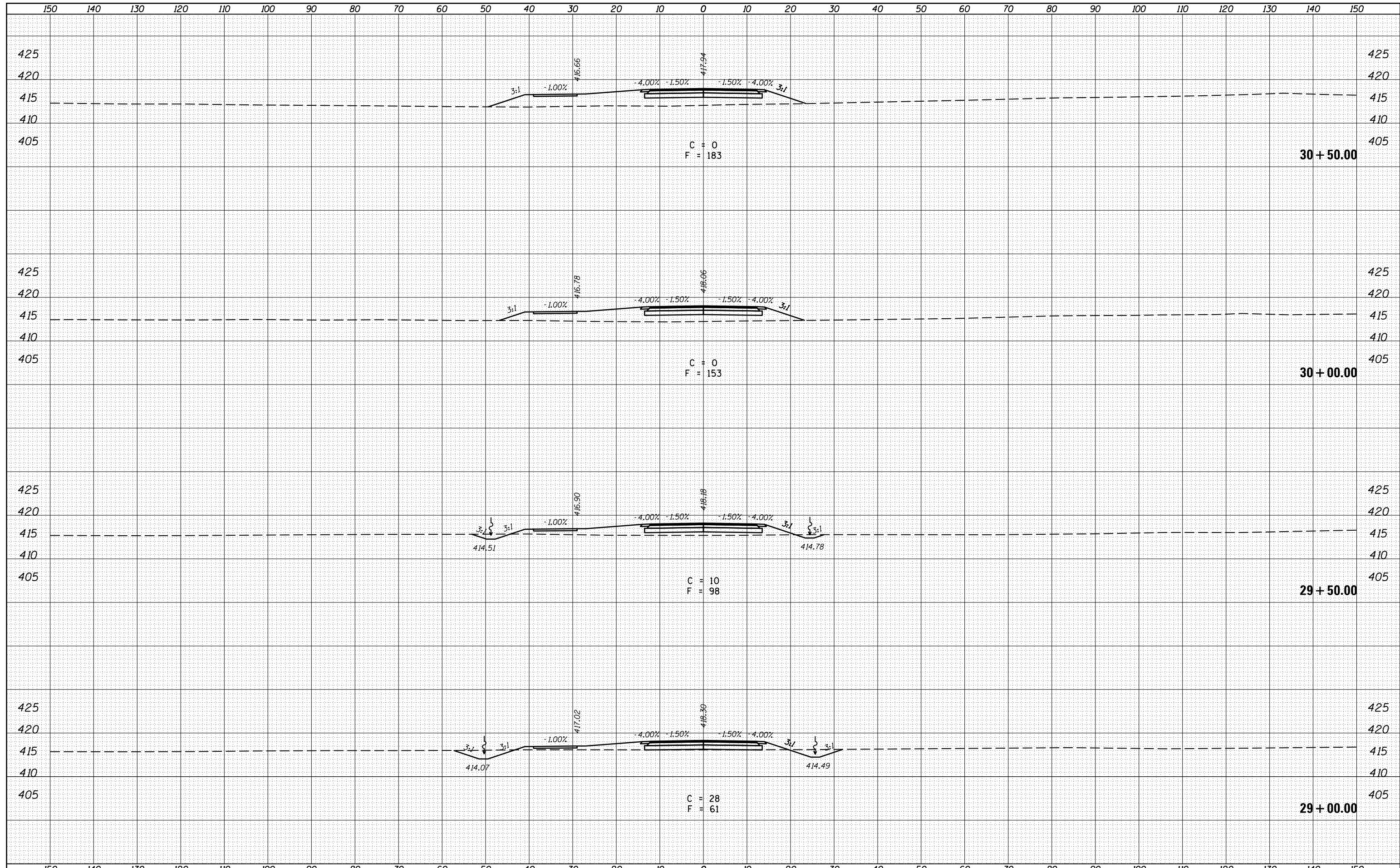


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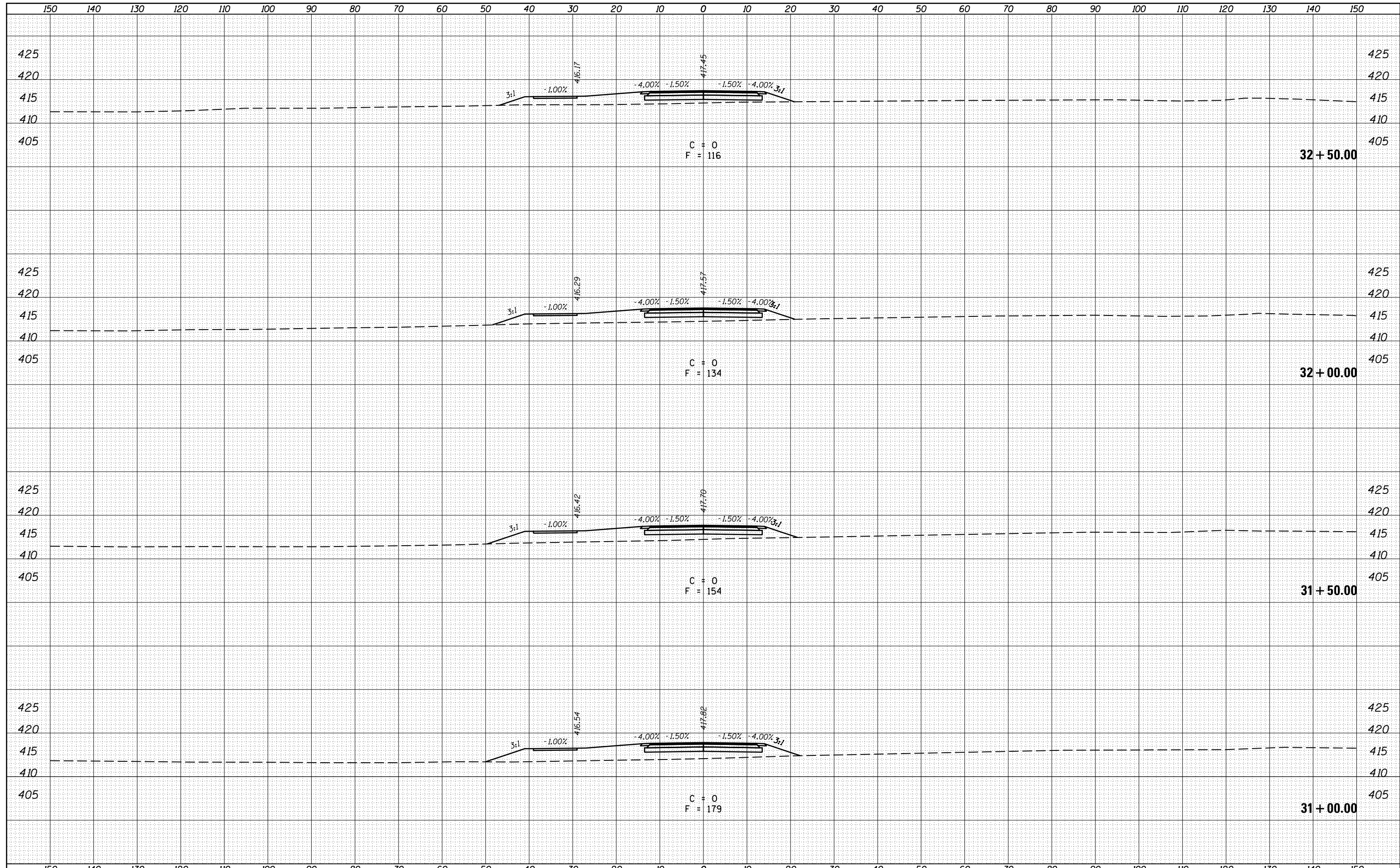


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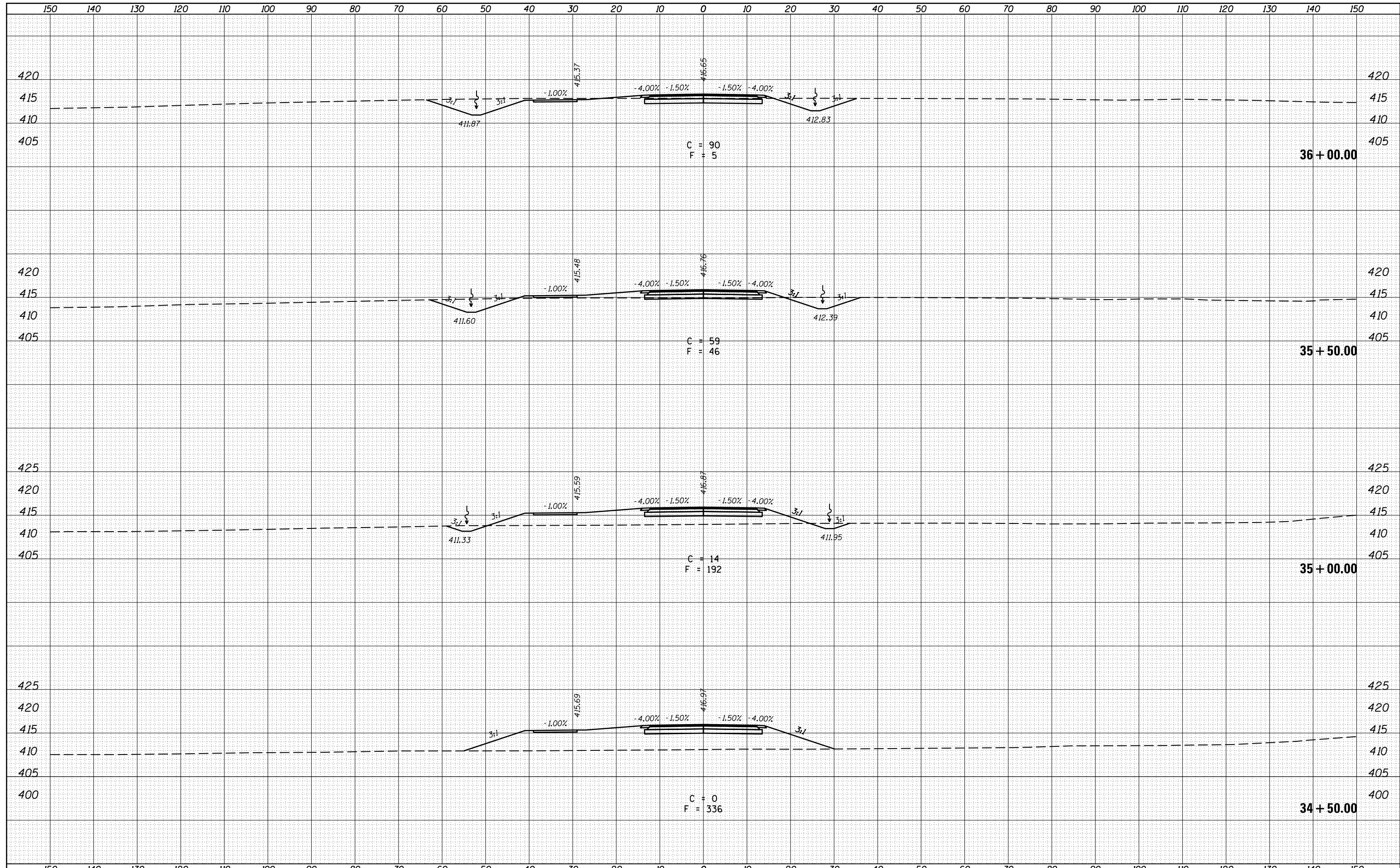


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	PLOT DATE = 3/18/2016					SCALE:	SHEET 18 OF 35 SHEETS	STA. 31+00.00 TO STA. 32+50.00			



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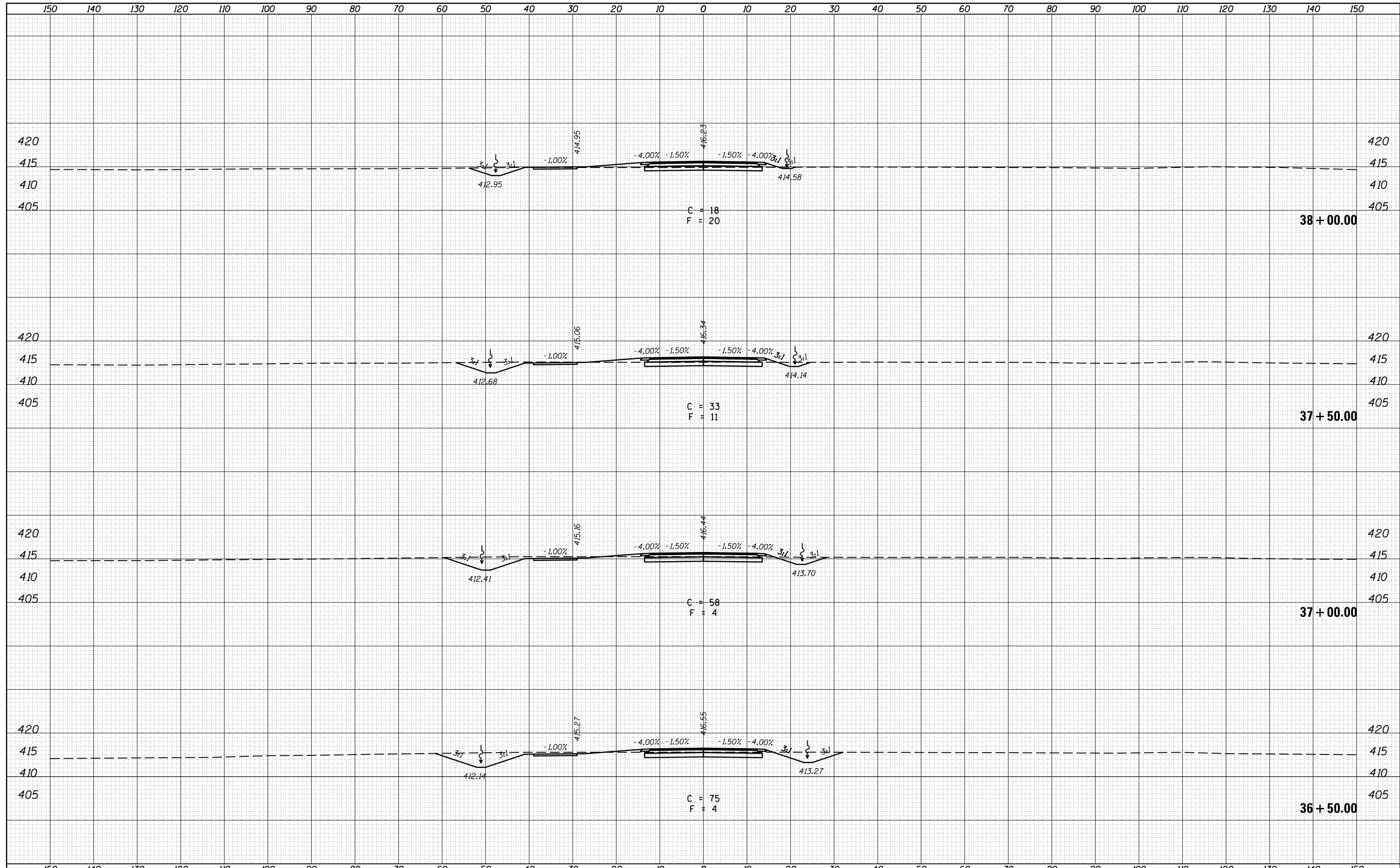
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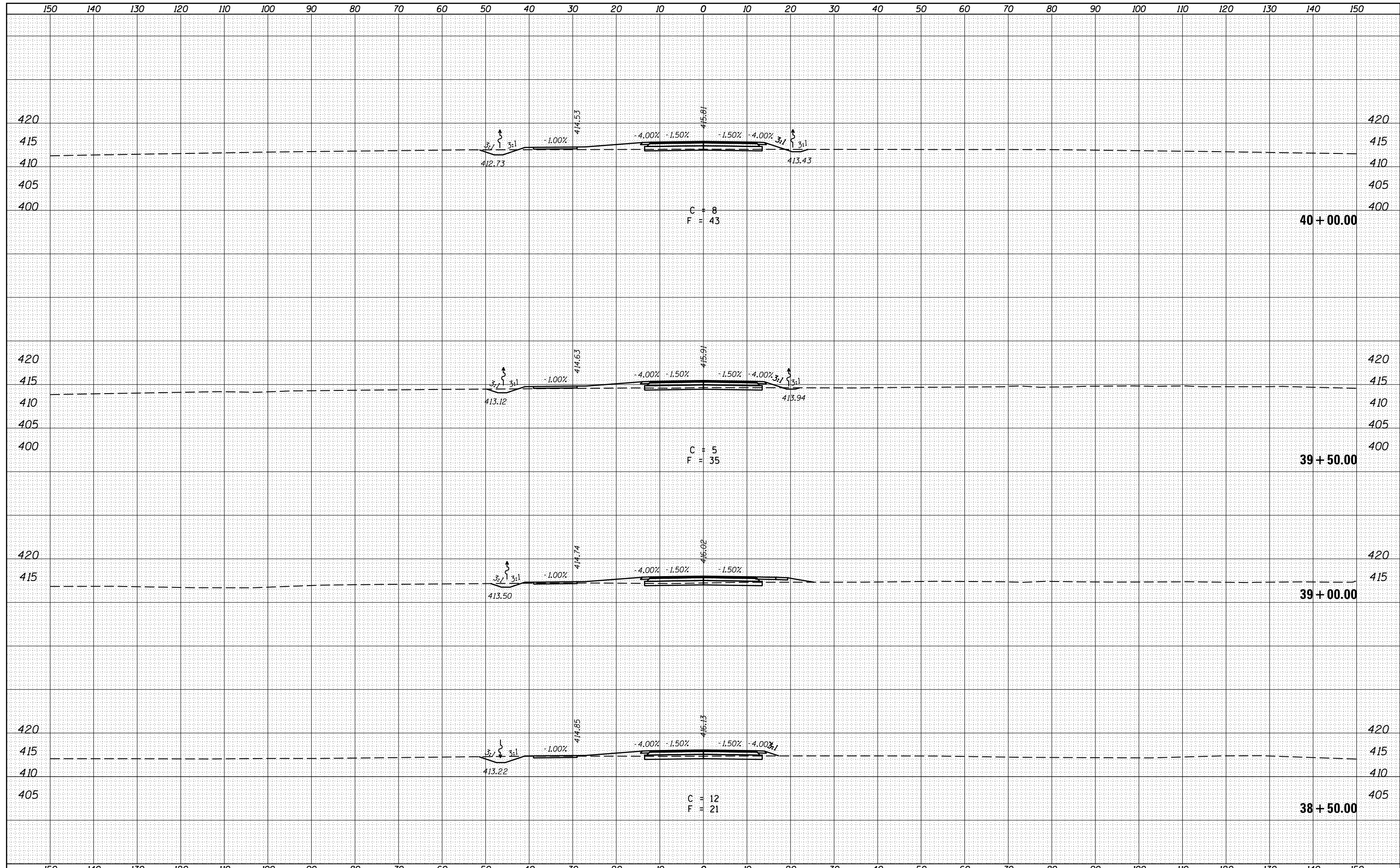
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FILE NAME =	USER NAME = maesbl	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS</b> <b>FRONTAGE ROAD</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\1\084EBIDINTEG\Illinois.gov\PIDOT\Documents\DOT Offices\District 9\Projects\13.giant.shd	DRAWN 452\CADData\CADsheets\78452.sht	CHECKED -	REVISED -			331	(1-4)R-6	WILLIAMSON	120	97
Mar-7-BrandyRoad	PLOT SCALE = 20.0000' / in.	DATE -	REVISED -			CONTRACT NO. 78452			ILLINOIS FED. AID PROJECT	
	PLOT DATE = 3/18/2016					SCALE:	SHEET 21	OF 35 SHEETS	STA. 36+50.00	TO STA. 38+00.00

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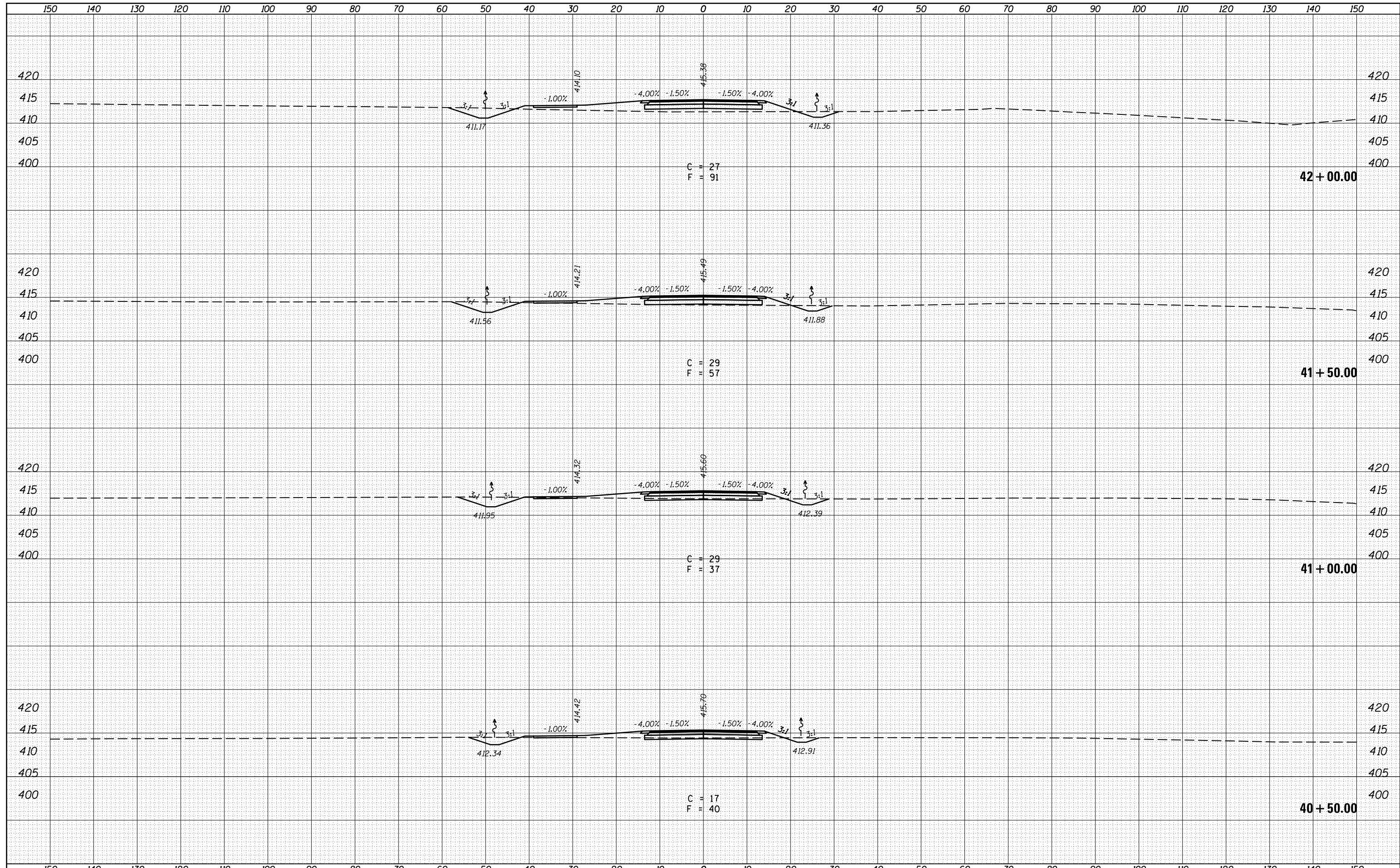
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Mar-7-BrandyRoad	PLOT SCALE = 20.0000' / in.	DATE -	REVISED -			CONTRACT NO.		78452		
	PLOT DATE = 3/18/2016					SCALE:	SHEET 22	OF 35 SHEETS	STA. 38+25.00	TO STA. 39+25.00

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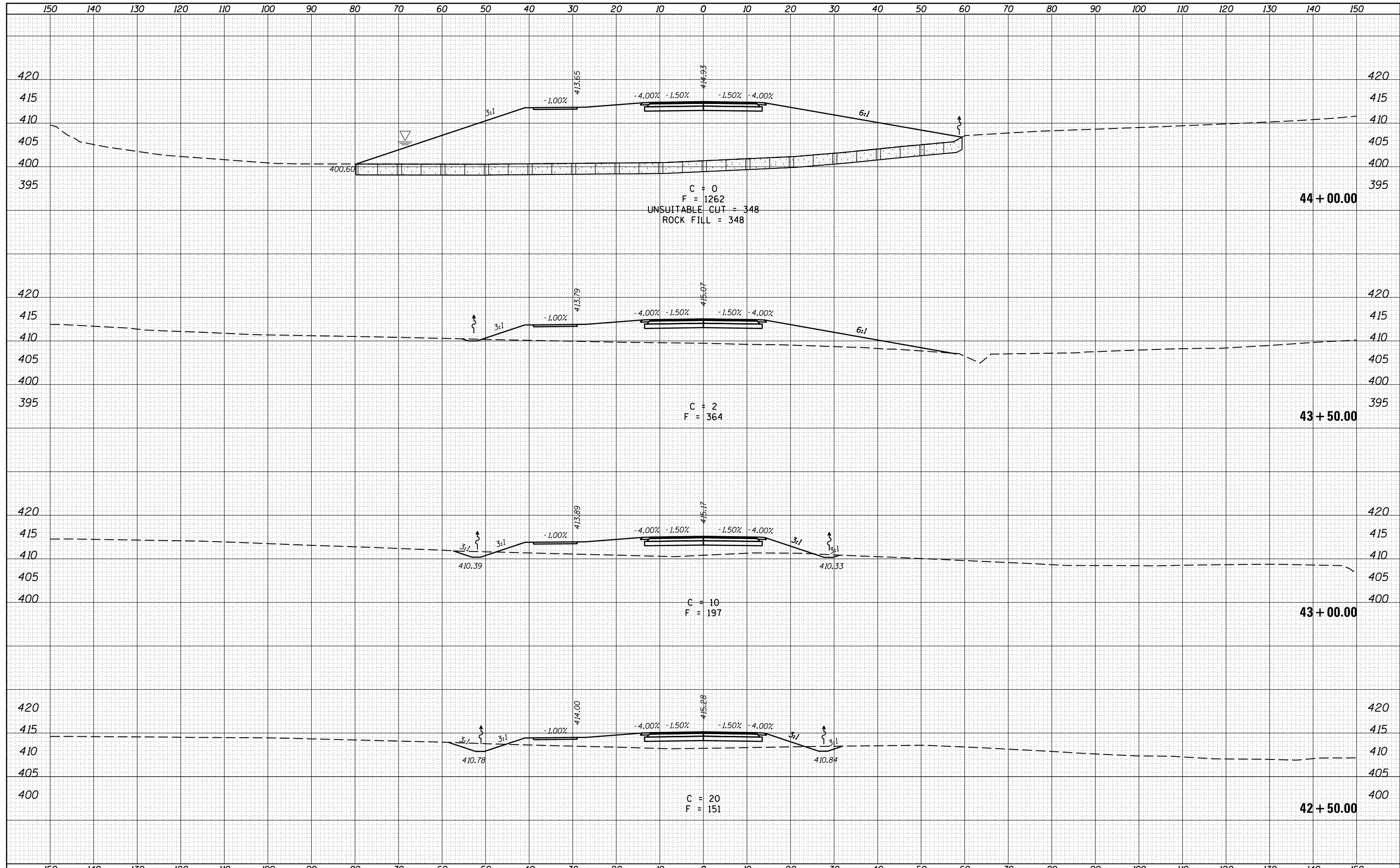
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FILE NAME =	USER NAME = maesbl	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS</b> <b>FRONTAGE ROAD</b>			F.A.P. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Mar-7-BrandyRoad	PLOT SCALE = 20.0000' / in.	DATE -	REVISED -		SCALE: SHEET 23 OF 35 SHEETS STA. 39+50.00 TO STA. 40+25.00			CONTRACT NO. 78452				
	PLOT DATE = 3/18/2016		REVISED -					ILLINOIS FED. AID PROJECT				

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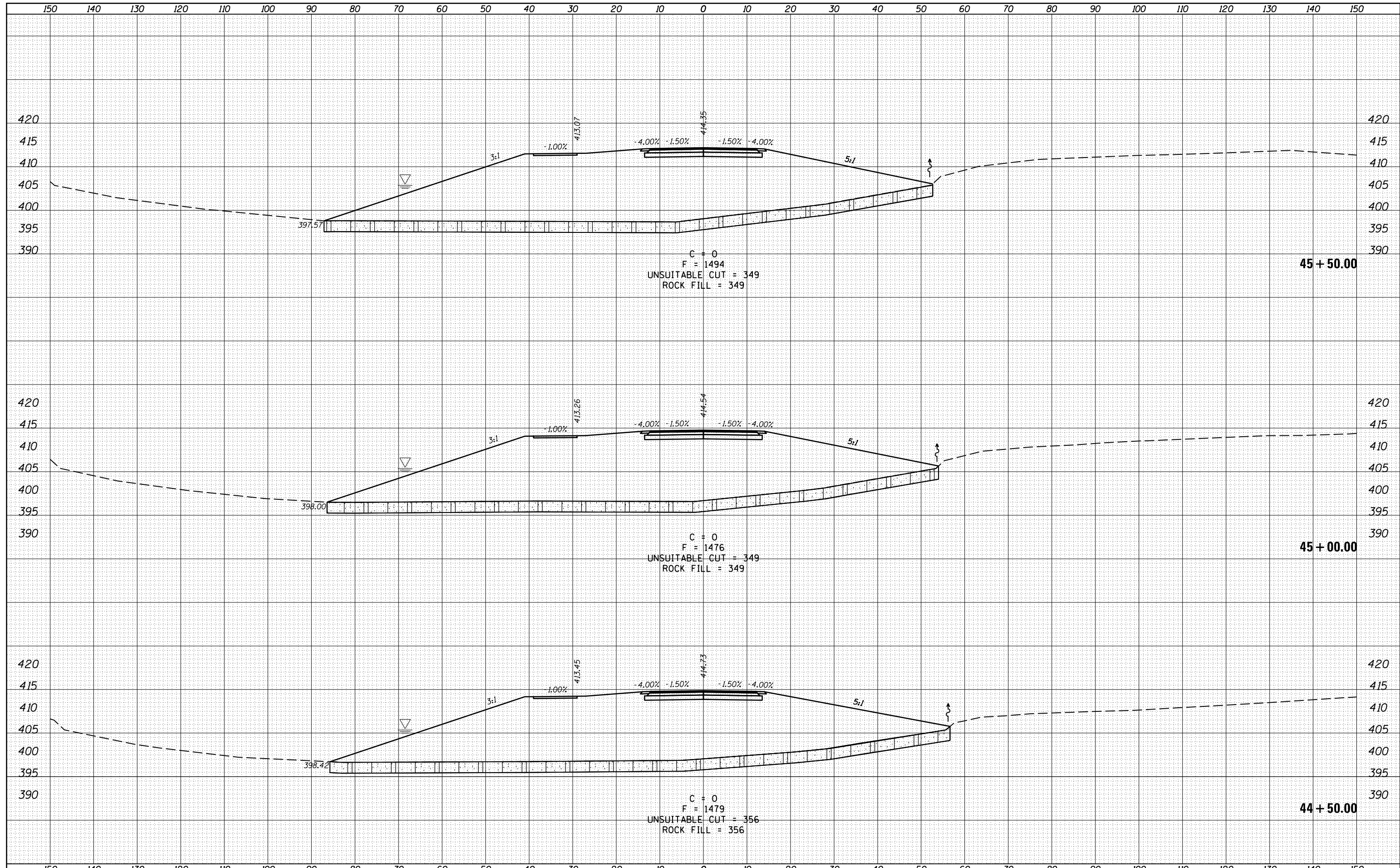
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p:\11084EBIDINTEG.illinois.gov\PIDOT\Documents\IDOT Offices\District 9\Projects\13.giant.shd	DRAWN 452\CADData\CADsheets\78452.sht	CHECKED -	REVISED -					331	(1-4)R-6	WILLIAMSON	120	100
Mar-7-BrandyRoad	PLOT SCALE = 20.0000' / in.	DATE -	REVISED -					CONTRACT NO. 78452				
	PLOT DATE = 3/18/2016		REVISED -					ILLINOIS FED. AID PROJECT				
					SCALE:	SHEET 24	OF 35 SHEETS	STA. 40+50.00	TO STA. 41+25.00			

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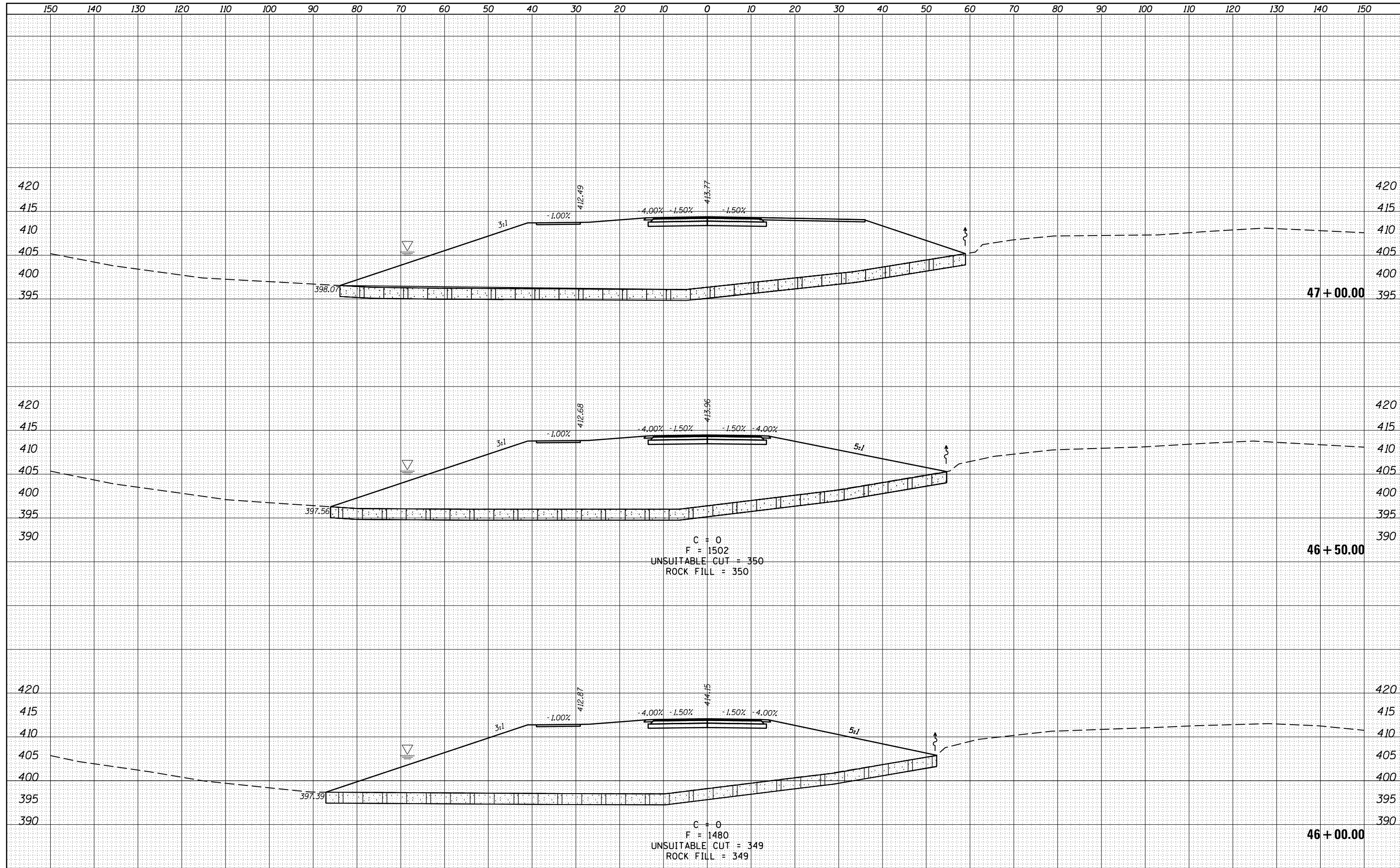


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Mar-7-BrandyRoad		DATE -	REVISED -			CONTRACT NO. 78452		ILLINOIS FED. AID PROJECT			
						SCALE:	SHEET 25	OF 35 SHEETS	STA. 41+50.00	TO STA. 42+25.00	



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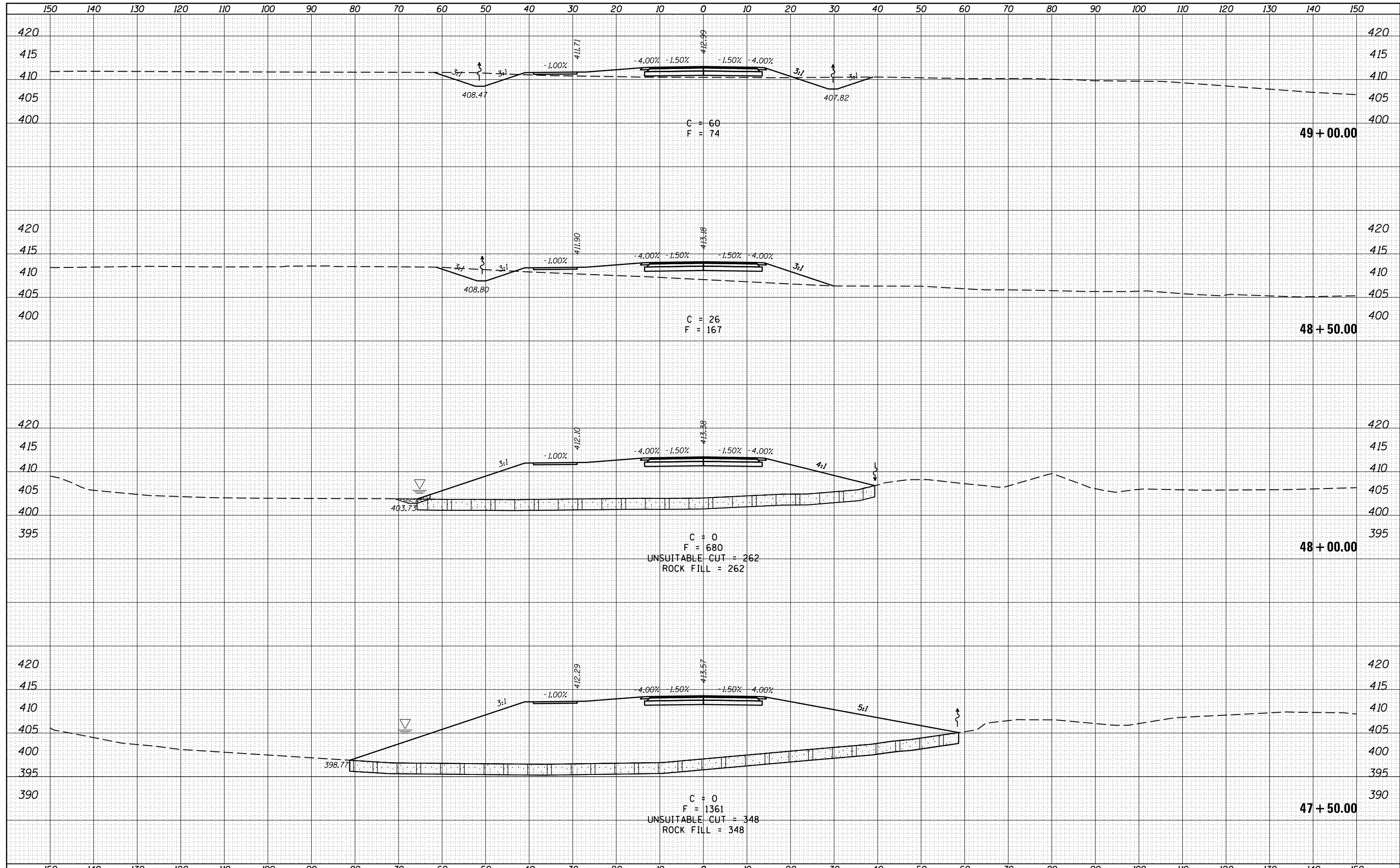


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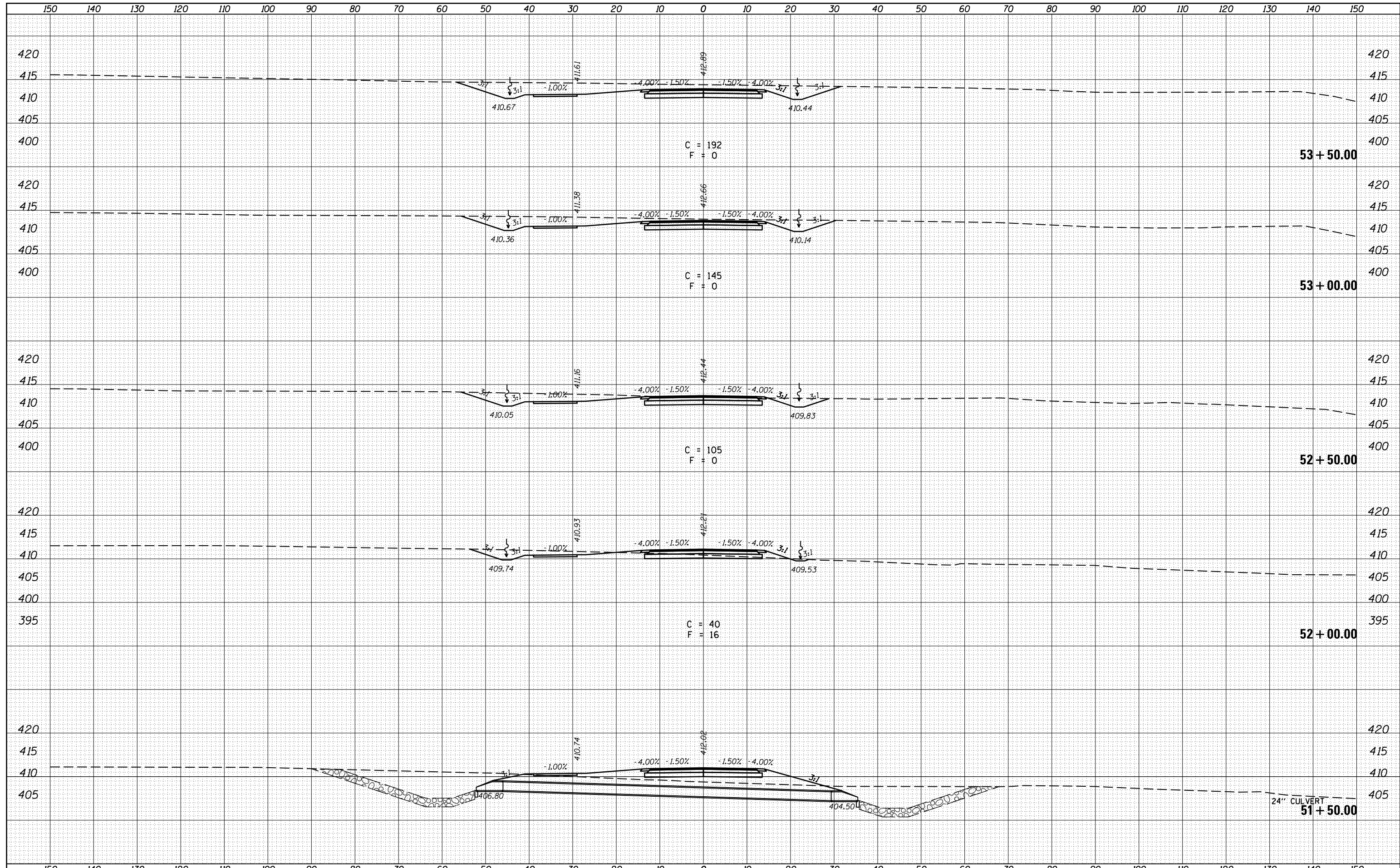
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Mar-7-BrandyRoad	PLOT SCALE = 20.0000' / in.	DATE -	REVISED -			CONTRACT NO. 78452		ILLINOIS FED. AID PROJECT			
	PLOT DATE = 3/18/2016		REVISED -			SCALE:	SHEET 27	OF 35 SHEETS	STA. 43+50.00	TO STA. 43+75.00	





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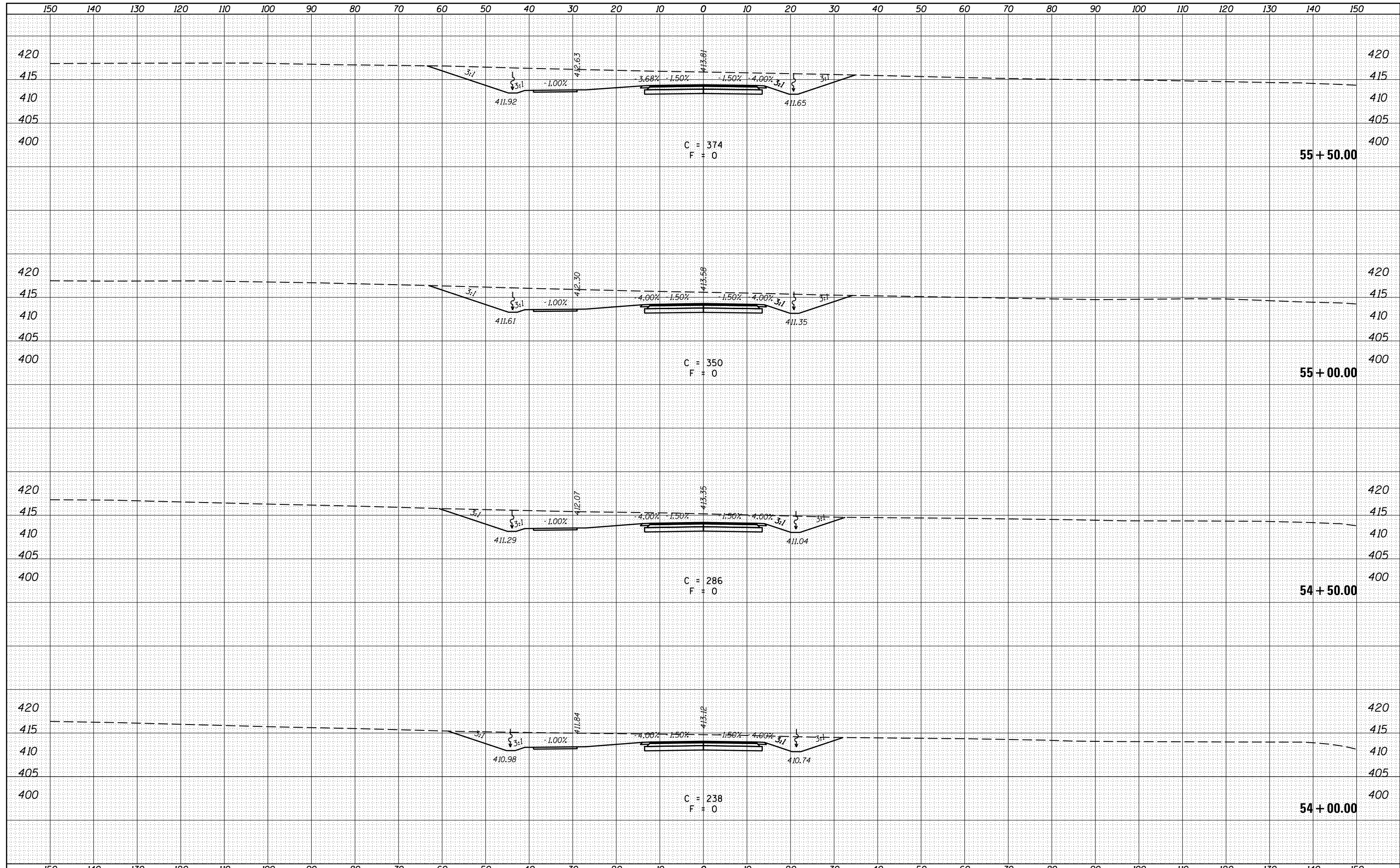
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FILE NAME =	USER NAME = maesbl	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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Mar-7-BrandyRoad	PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -		SCALE:			SHEET 29	OF 35 SHEETS	STA. 52+50.00	TO STA. 53+50.00	CONTRACT NO.	78452
	PLOT DATE = 3/18/2016	DATE -	REVISED -					ILLINOIS FED. AID PROJECT					

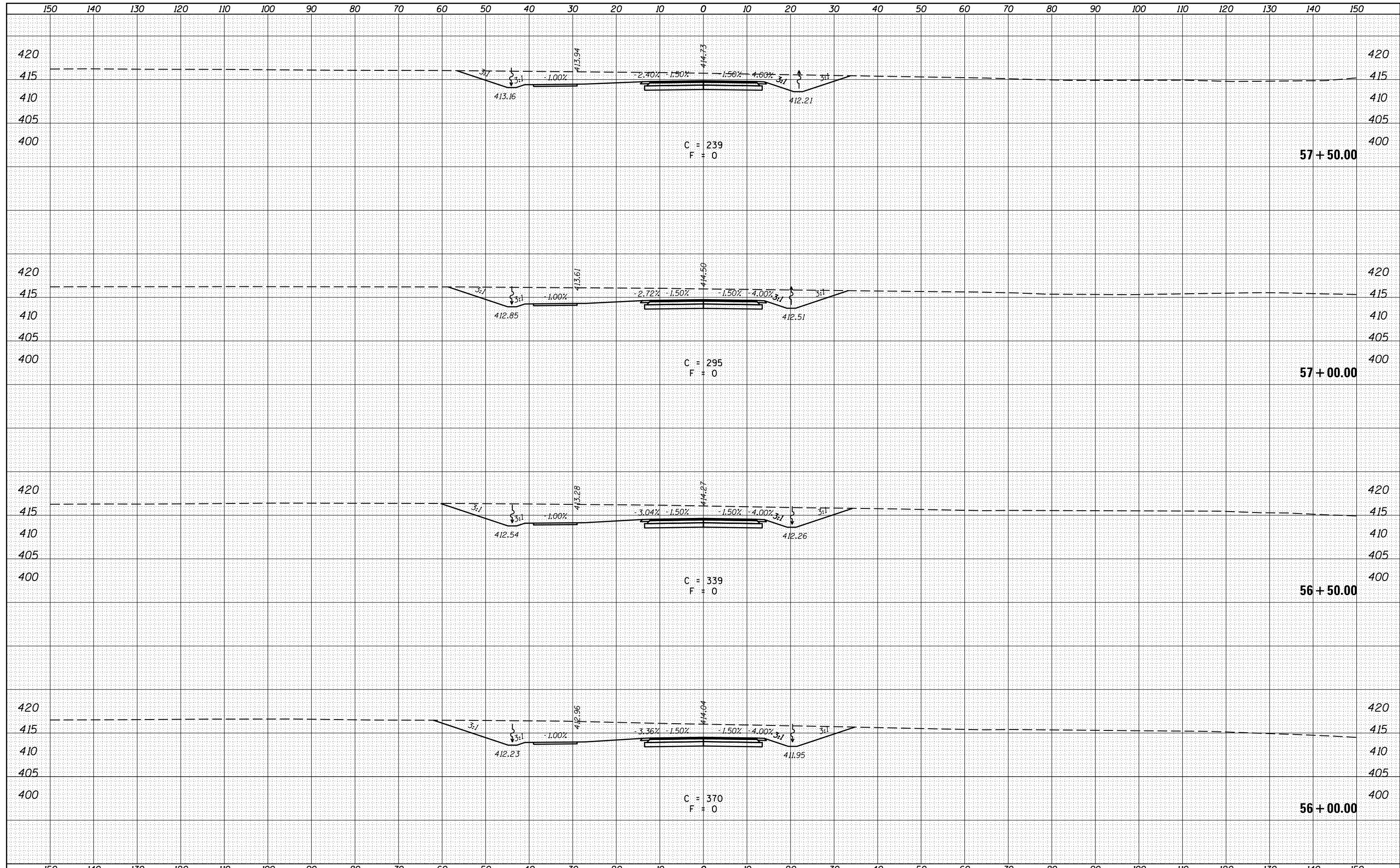
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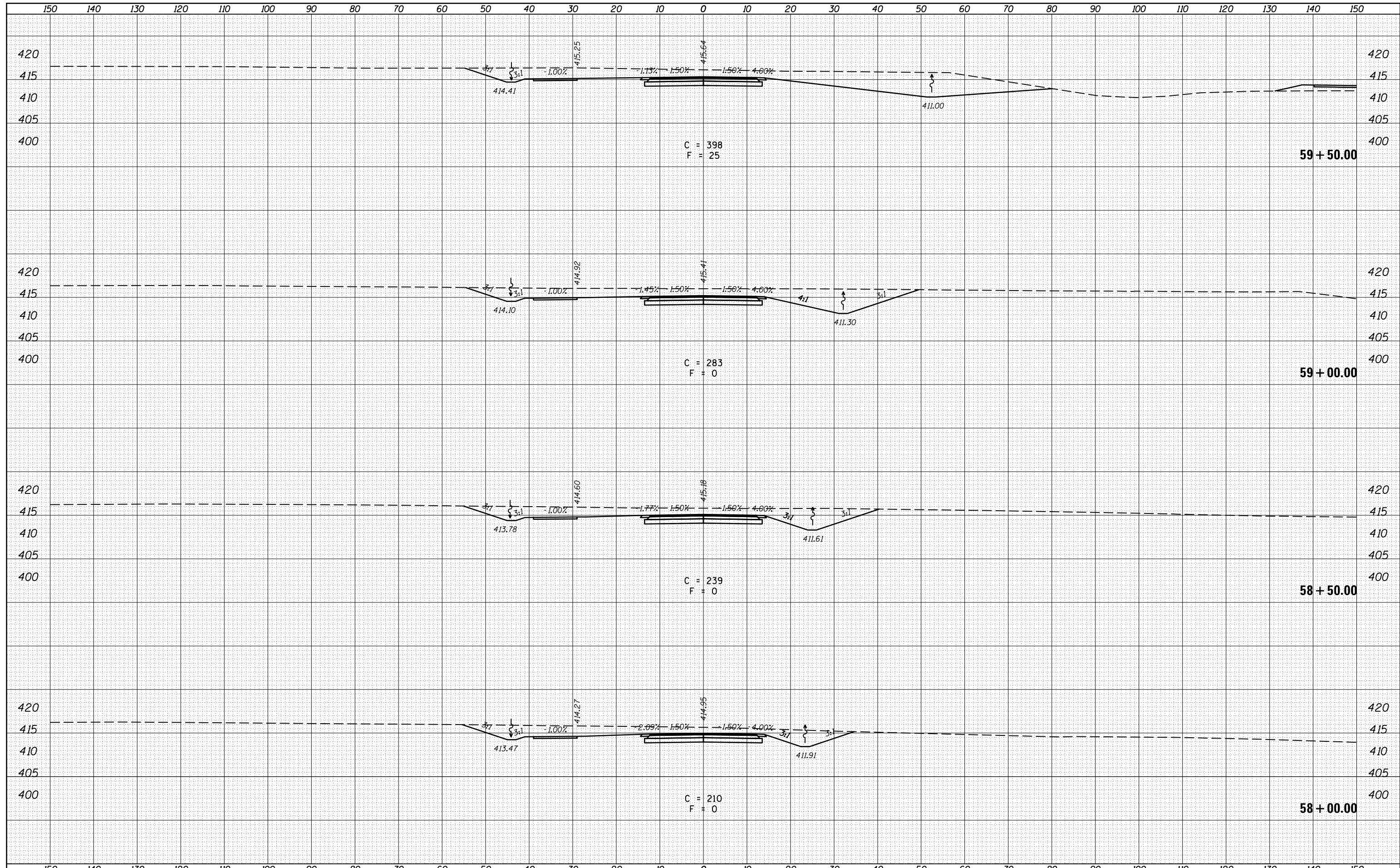
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Mar-7-BrandyRoad	PLOT SCALE = 20.0000' / in.	DATE -	REVISED -			CONTRACT NO. 78452		ILLINOIS FED. AID PROJECT			
	PLOT DATE = 3/18/2016		REVISED -			SCALE:	SHEET 31	OF 35 SHEETS	STA. 56+00.00	TO STA. 57+50.00	

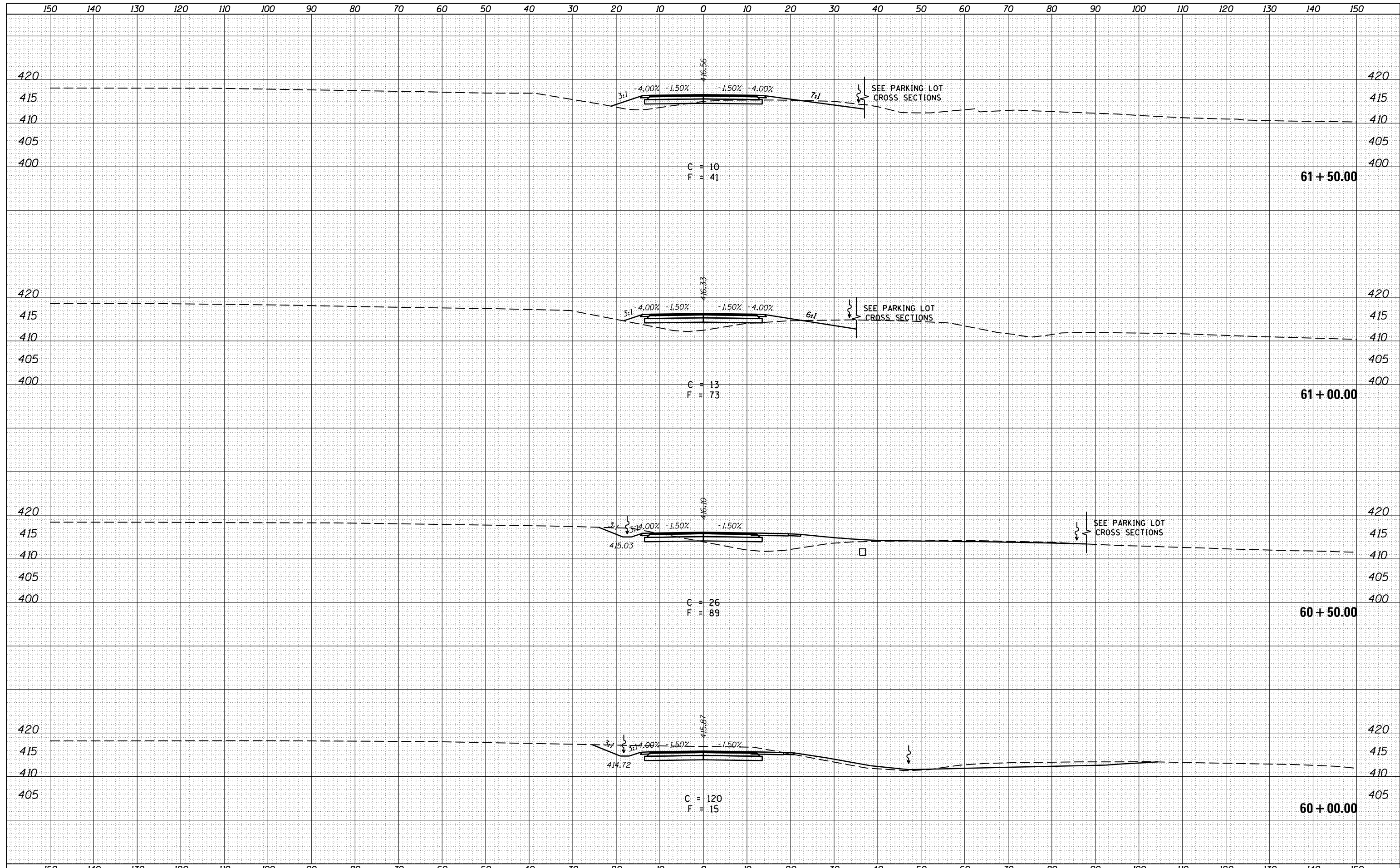
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Mar-7-BrandyRoad	PLOT SCALE = 20.0000' / in.	DATE -	REVISED -		SCALE: SHEET 33 OF 35 SHEETS STA. 60+00.00 TO STA. 61+50.00			CONTRACT NO. 78452				
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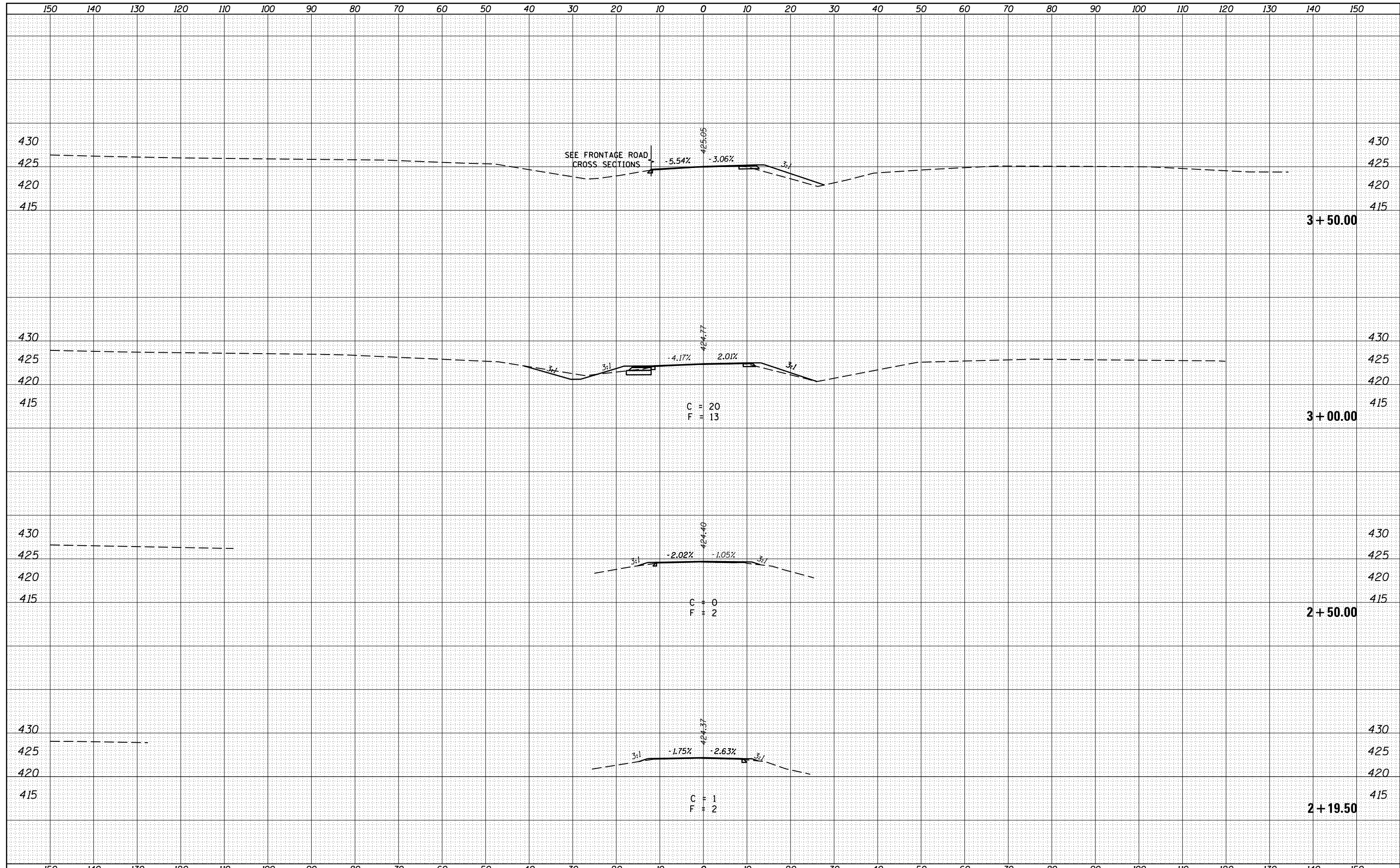






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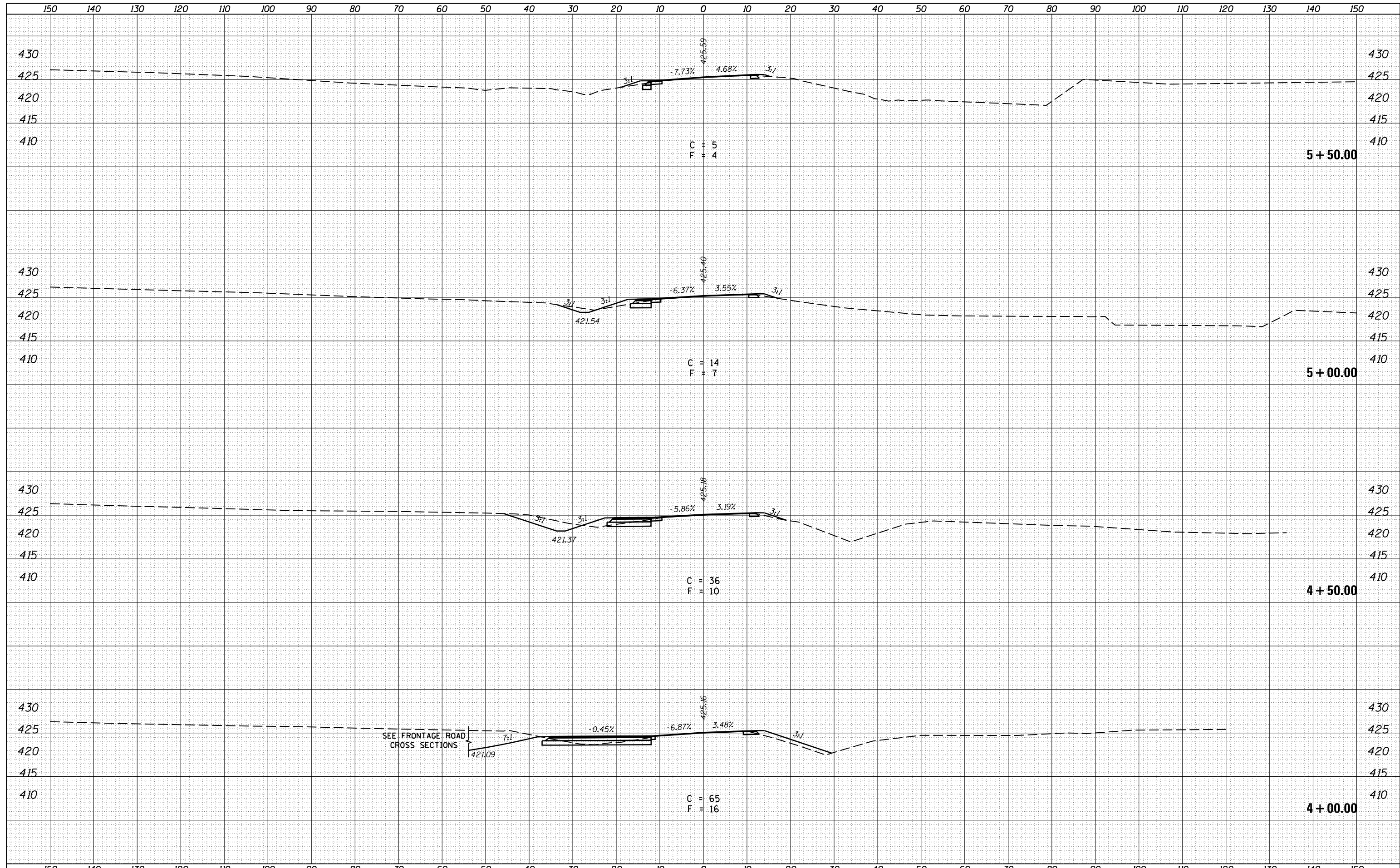


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PLOT DATE = 3/18/2016	DATE -	REVISED -	ILLINOIS FED. AID PROJECT										



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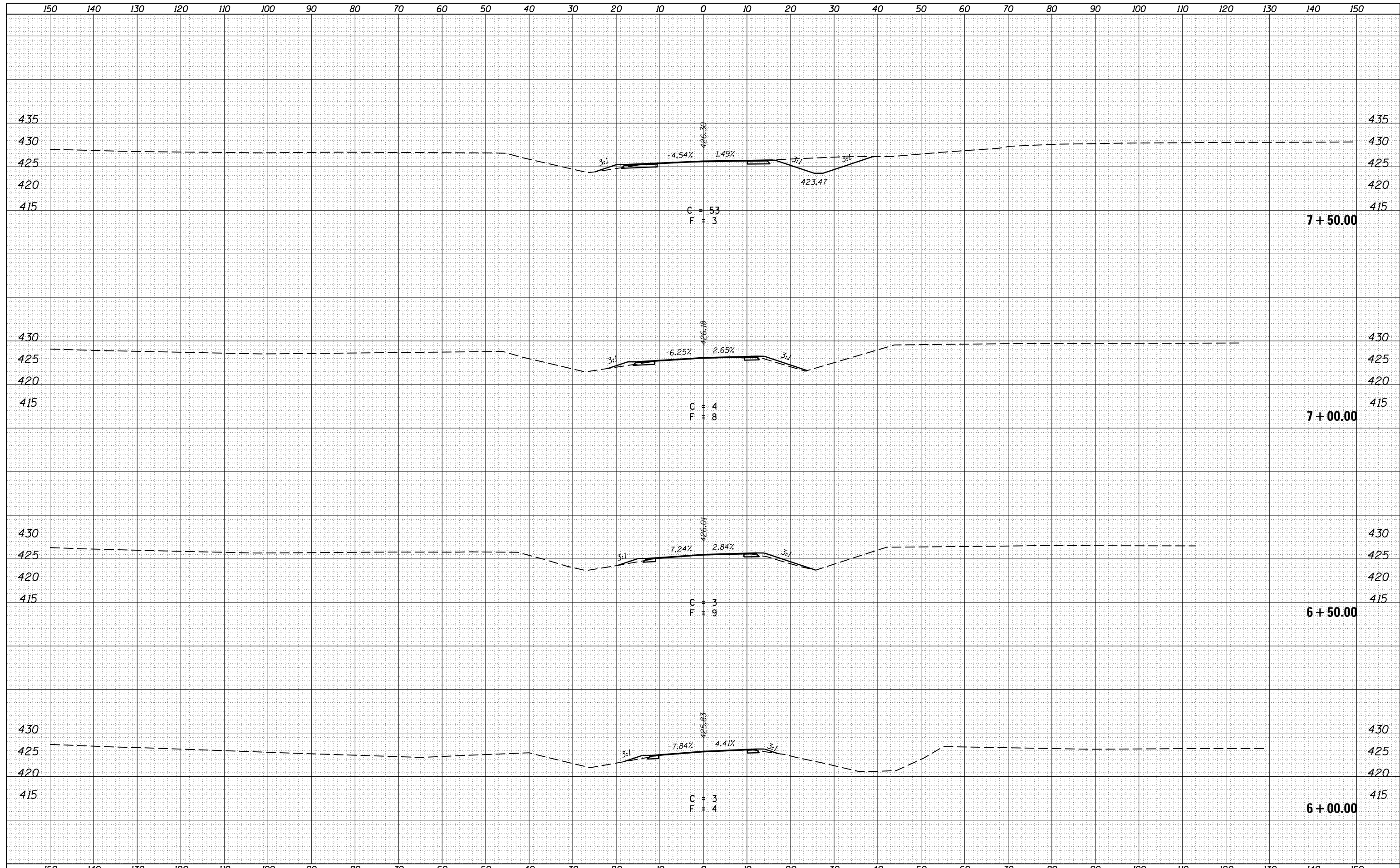
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p:\11084EBIDINTEG\Illinois.gov\PIDOT\Documents\IDOT Offices\District 9\Projects\13.giant.shd	DRAWN 452\CADData\CADsheets\78452.sht	CHECKED -	REVISED -		331	(1-4R-6	WILLIAMSON	120	113
Mar-10-Green	PLOT DATE = 3/18/2016	DATE -	REVISED -		ILLINOIS FED. AID PROJECT				
					CONTRACT NO. 78452				

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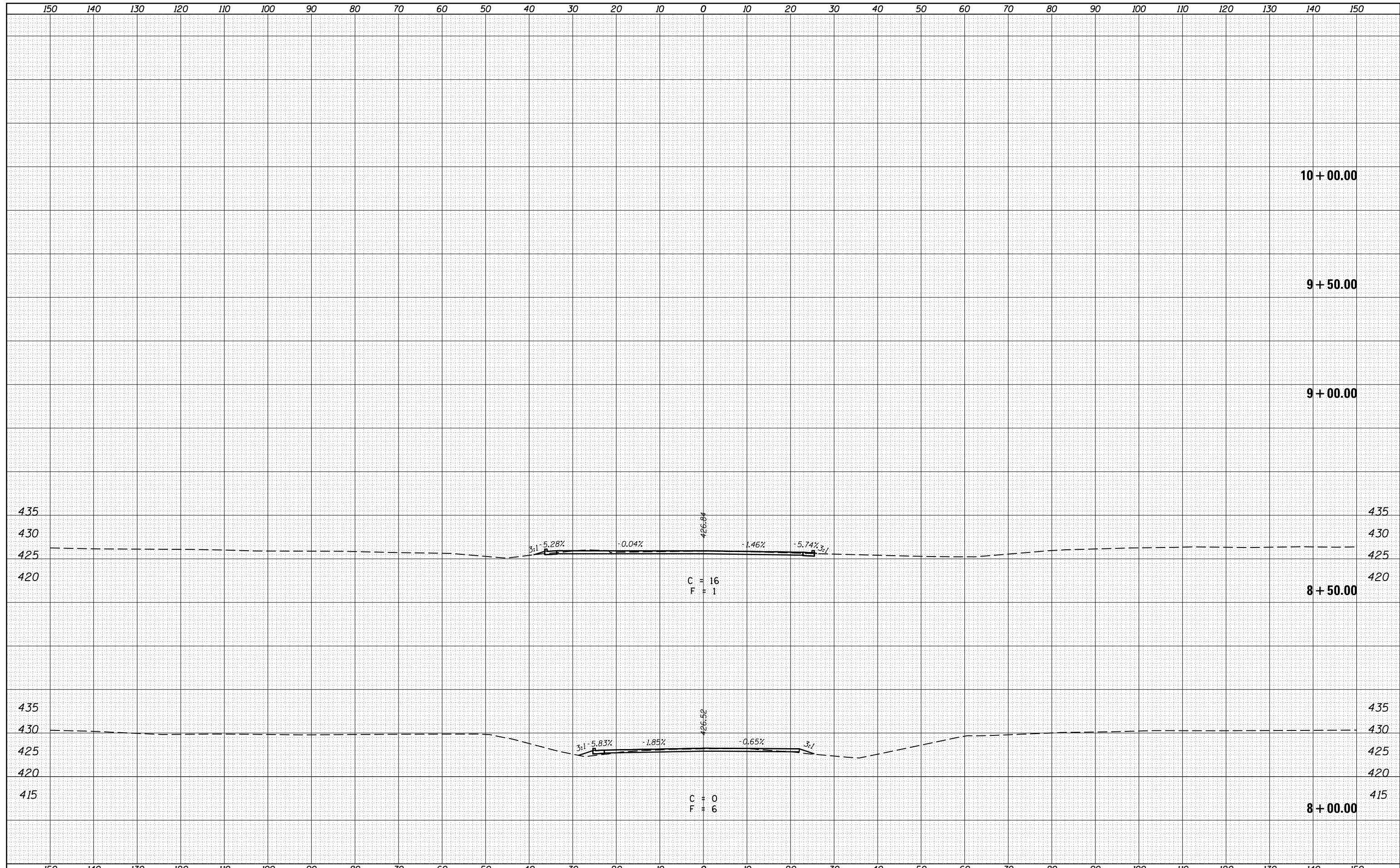


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p:\1\084EBIDINTEG\Illinois.gov\PIWIDOT\Documents\NIDOT Offices\District 9\Projects\13.giant.shp\DRAWN\452\CADData\CADsheets\78452.sht	DRAWN	REVISOR	REVISOR						331	(1-4R-6)	WILLIAMSON	120	114
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PLOT DATE = 3/18/2016	DATE -	REVISED -	REVISED -		ILLINOIS FED. AID PROJECT								

SCALE: SHEET 3 OF 4 SHEETS STA. 6+00.00 TO STA. 7+50.00

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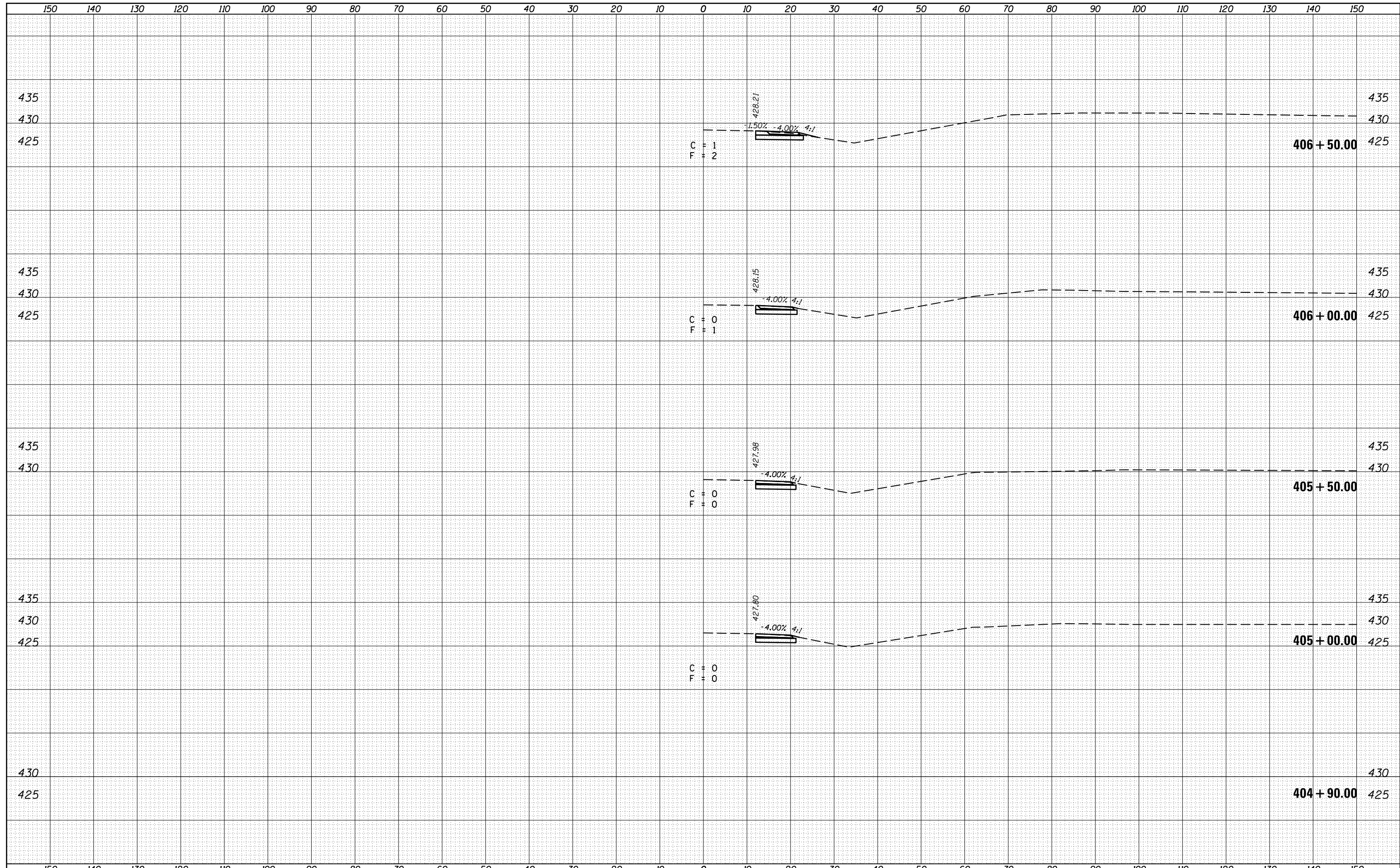


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p:\1\084EBIDINTEG\Illinois.gov\PIDOT\Documents\NIDOT Offices\District 9\Projects\13.giant.shp\DRAWN\452\CADData\CADsheets\78452.sht		DRAWN -	REVISED -		331	(1-4R-6	WILLIAMSON	120	115
PLOT SCALE = 20.0000' / in.		CHECKED -	REVISED -		CONTRACT NO. 78452				
PLOT DATE = 3/18/2016		DATE -	REVISED -		ILLINOIS FED. AID PROJECT				

SCALE: SHEET 4 OF 4 SHEETS STA. 8+00.00 TO STA. 10+00.00

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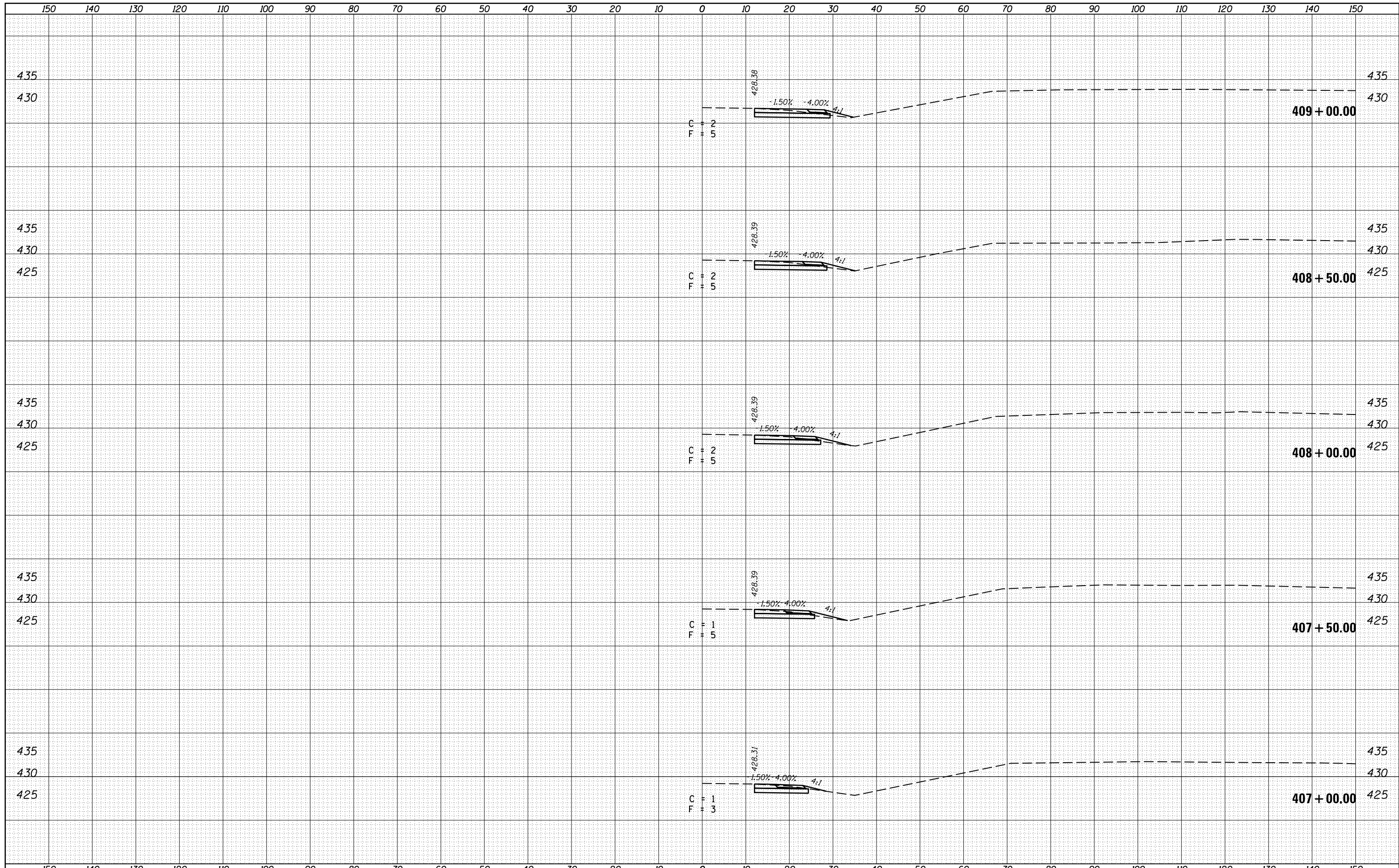
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p:\1\084EBIDINTEG\Illinois.gov\PIDOT\Documents\IDOT Offices\District 9\Projects\13.giant.shp	DRAWN 452\CADData\CADsheets\78452.sht	CHECKED -	REVISED -		331	(1-4R-6	WILLIAMSON	120	116
Mar-8-1L13	PLOT SCALE = 20.0000' / in.	DATE -	REVISED -		CONTRACT NO. 78452				
	PLOT DATE = 3/18/2016		REVISED -		ILLINOIS FED. AID PROJECT				

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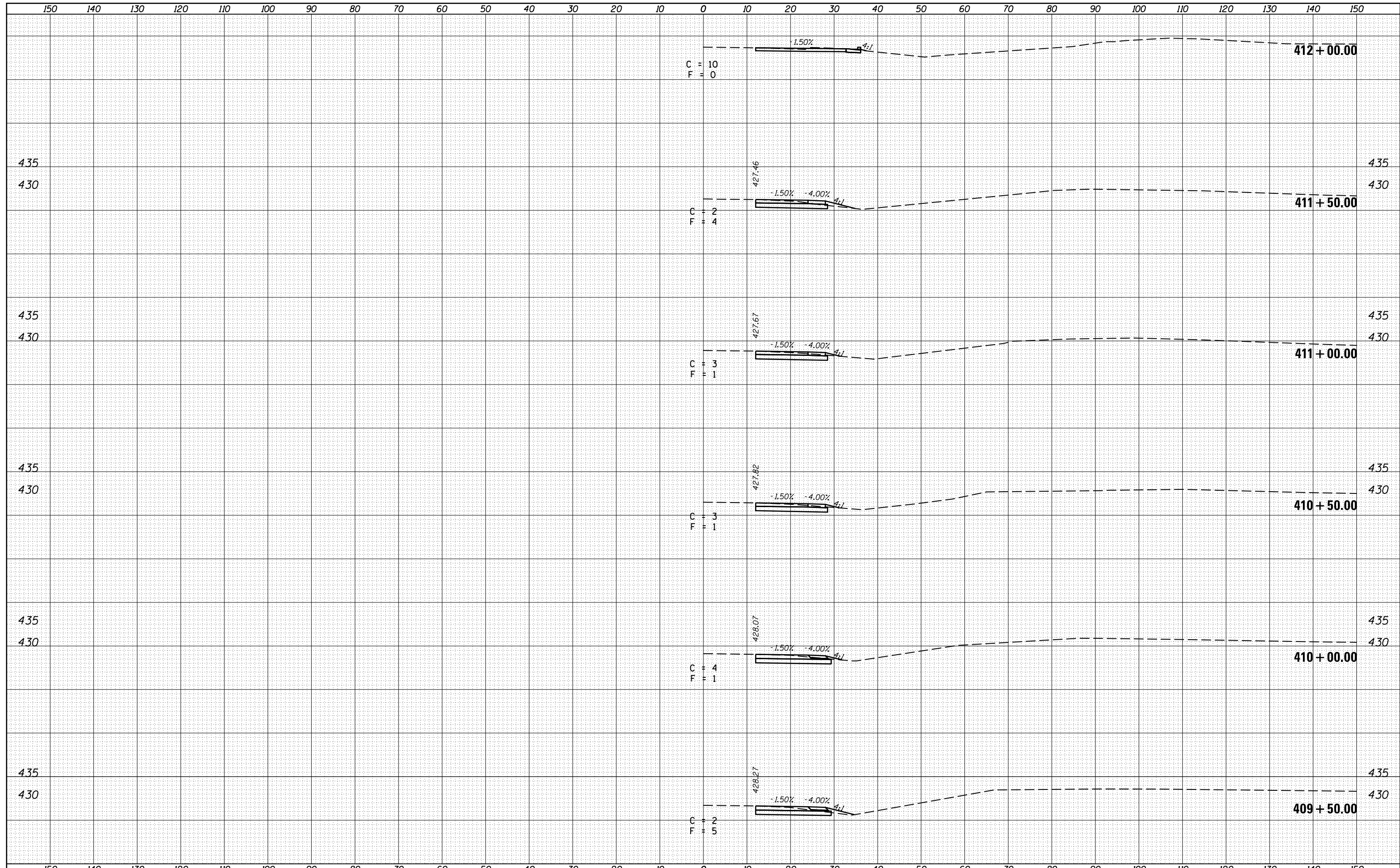


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PLOT DATE = 3/18/2016	DATE -	REVISED -	REVISED -					ILLINOIS FED. AID PROJECT				
Mar-8-1L13				SCALE:	SHEET 2	OF 3	SHEETS	STA. 407+00.00	TO STA. 409+00.00			



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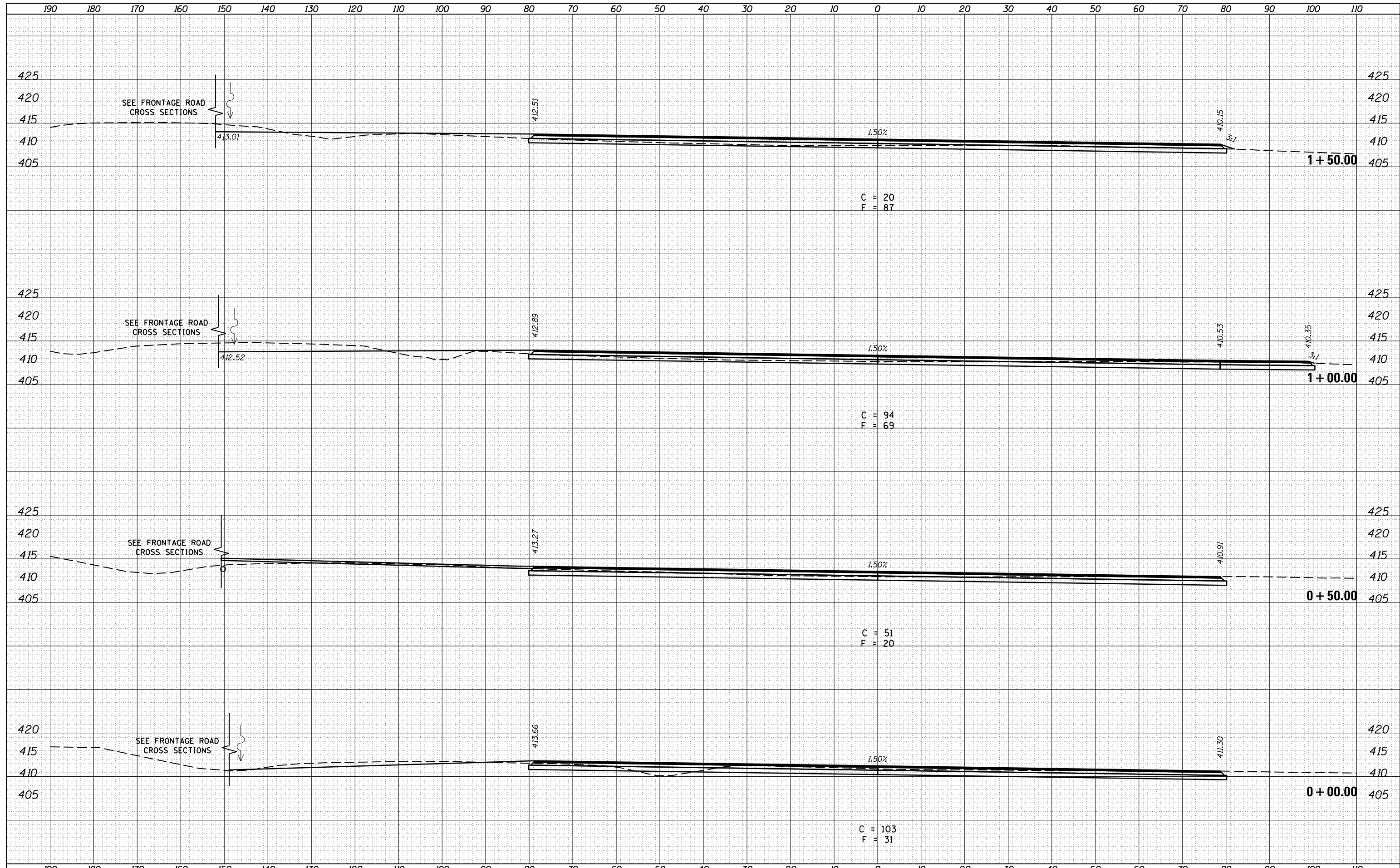
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NO.	TEMPLATE
	AREAS CHECKED

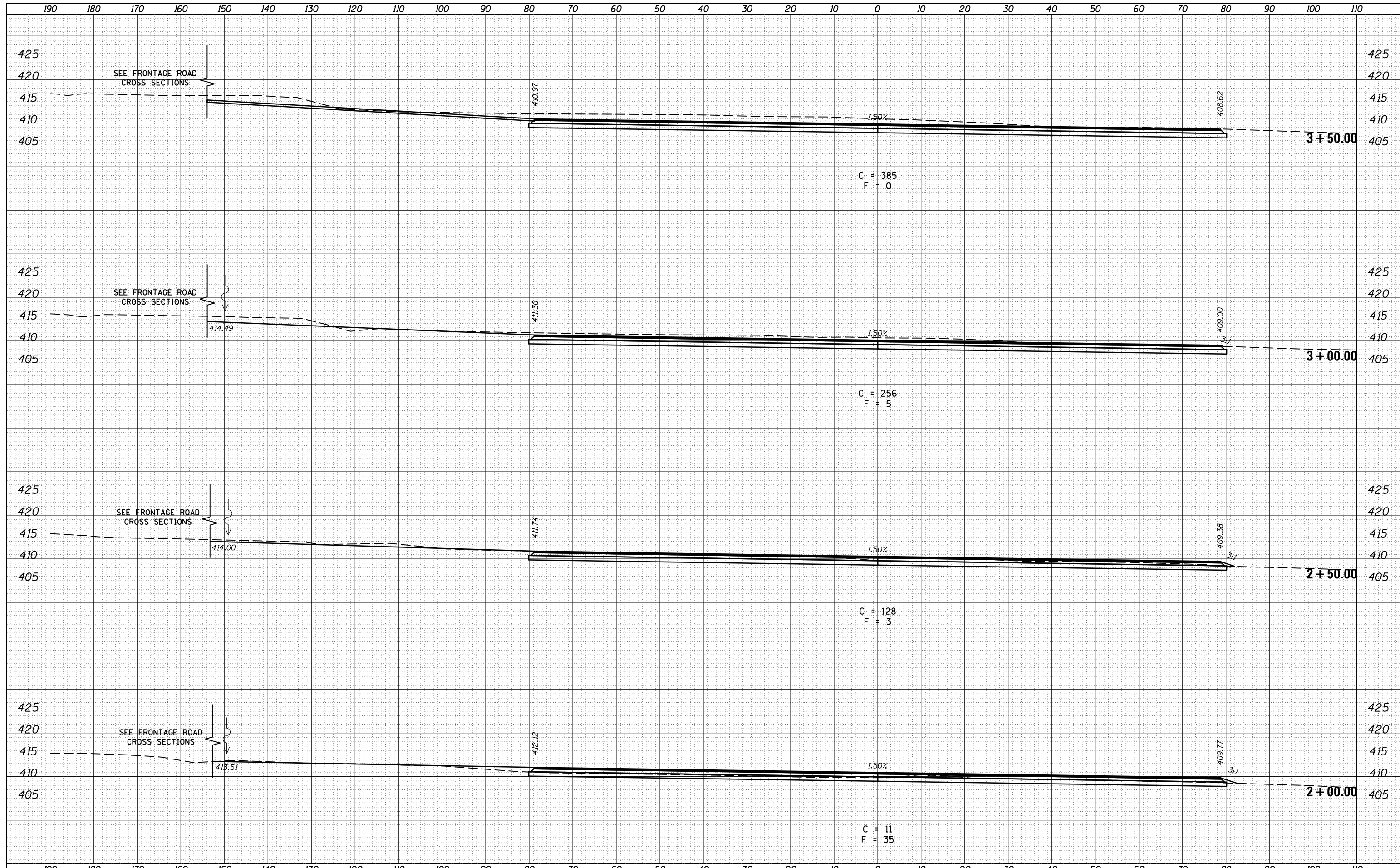
DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED



FILE NAME =	USER NAME = maesbl	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS</b> <b>PARKING LOT</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
p:\11084EBIDINTEG\Illinois.gov\PIDOT\Documents\NIDOT Offices\District 9\Projects\13.giant.shp	DRAWN 452\CADData\CADsheets\78452.sht	CHECKED -	REVISED -			331	(1-4R-6	WILLIAMSON	120	119	
Mar 9 - ParkingLot	PLOT SCALE = 20.0000' / in.	DATE -	REVISED -			78452					
	PLOT DATE = 3/18/2016		REVISED -			SCALE:	SHEET 1	OF 2 SHEETS	STA. +00.00	TO STA. 1+50.00	ILLINOIS FED. AID PROJECT

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

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



FILE NAME =	USER NAME = maesbl	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS</b> <b>PARKING LOT</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\11084EBIDINTEG\Illinois.gov\PIDOT\Documents\PIDOT Offices\District 9\Projects\13.giant.shd	DRAWN 452\CADData\CADsheets\78452.sht	CHECKED -	REVISED -					331	(1-4R-6	WILLIAMSON	120	120
Mar 9 - ParkingLot	PLOT SCALE = 20.0000' / in.	DATE -	REVISED -		SCALE:	SHEET 2	OF 2 SHEETS	STA. 2+00.00	TO STA. 3+50.00	ILLINOIS FED. AID PROJECT	78452	
	PLOT DATE = 3/18/2016		REVISED -									