

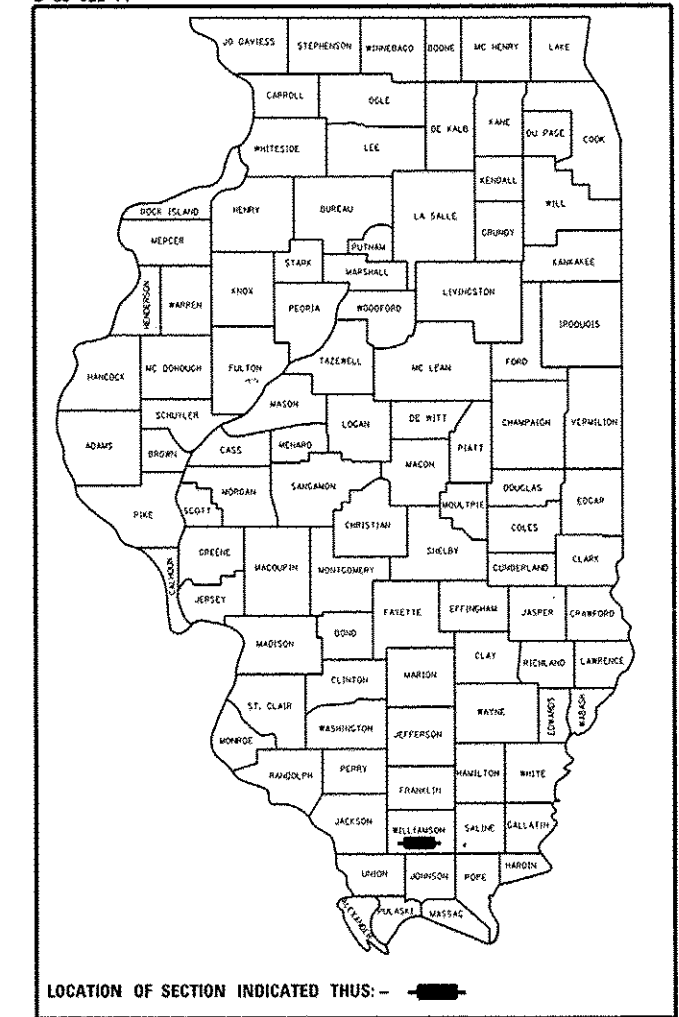
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

FAP ROUTE 726 (ILLINOIS 148) WITH
FAU 9717 (RUSHING DRIVE)
SECTION (1-2) N-3
PROJECT ACNHPP-0726 (064)
INTERSECTION IMPROVEMENT
WILLIAMSON COUNTY

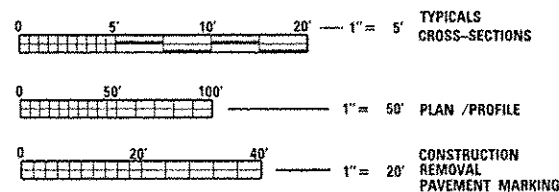
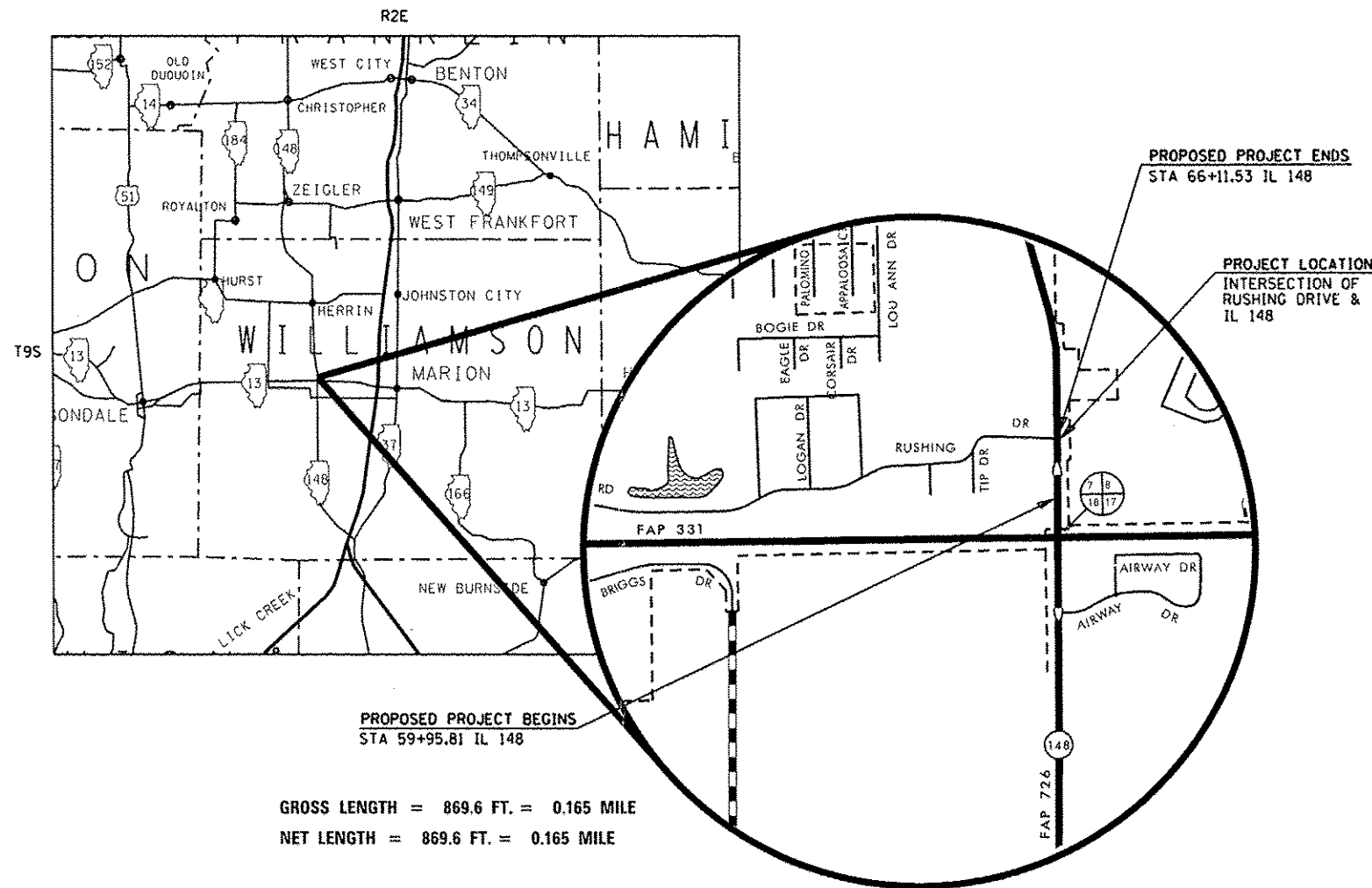
C-99-026-14

D-99-022-14



FOR INDEX OF SHEETS, SEE SHEET NO. 3
FOR SUMMARY OF QUANTITIES, SEE SHEETS NO. 5-8

APPROACH	ADT(2013)	% TRUCKS
IL 148 N RUSHING DRIVE	14,100	3.2%
IL 148 S OF RUSHING DRIVE	14,100	3.3%
RUSHING DRIVE WEST OF IL 148	3,650	6.9%



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

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

PROJECT ENGINEER SEAN GREENLEE
PROJECT MANAGER SUSAN POE

CONTRACT NO. 78402

GROSS LENGTH = 869.6 FT. = 0.165 MILE
NET LENGTH = 869.6 FT. = 0.165 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED *March 19, 2014*

Anthony L. Keim
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 9, 2014
John D. Baranzelli, P.E.
ENGINEER OF DESIGN AND ENVIRONMENT

May 9, 2014
Omair Aman, P.E.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

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DISTRICT PROGRAM DEVELOPMENT ENGINEER

Examined By: Keith Kelly
DISTRICT OPERATIONS ENGINEER

Examined By: KR De
DISTRICT PROJECT IMPLEMENTATION ENGINEER

Examined By: Danby T. Murphy
DISTRICT CONSTRUCTION ENGINEER

Examined By: Brian P. ...
DISTRICT MATERIALS ENGINEER

FILE NAME *	USER NAME * greenleas	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIGNATURE SHEET				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwork\pwork\greenleas\d0374570\	402-sh1a-cvr.soa_index.dgn	DRAWN -	REVISED -		726	(1-2) N-3	WILLIAMSON	50	2				
	PLOT SCALE * 100.0000 1 / in.	CHECKED -	REVISED -						CONTRACT NO. 78402				
	PLOT DATE * 3/19/2014	DATE -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		

STANDARDS

INDEX OF SHEETS

SHT NO	DESCRIPTION
1	COVER SHEET
2	SIGNATURE SHEET
3	INDEX OF SHEETS, STANDARDS, MIXTURES REQUIREMENTS
4	GENERAL NOTES
5-8	SUMMARY OF QUANTITIES
9-11	TYPICAL SECTIONS
12-16	SCHEDULES OF QUANTITIES
17	TIE POINTS
18	GEOPAK ELEMENTS IDENTIFICATION
19	PLAN PROFILE - ROADWAY
20	PLAN PROFILE - DRAINAGE
21-22	PROPOSED REMOVAL AND CONSTRUCTION
23	EROSION CONTROL
24	RIGHT OF WAY
25-27	GEOMETRICS
28	PAVEMENT MARKINGS
29	DETAILS: INLET SPECIAL ; CAST IRON FRAME SPECIAL TYPE 1 WITH TYPE 1 CLOSED LID; CONCRETE COLLAR
30	DETAILS: UNEVEN LANES; ROUGH GROOVED SURFACE; SEEDING AND MULCHING, BUTT JOINT DETAIL
31-34	CROSS-SECTIONS RUSHING DRIVE
35-39	CROSS-SECTIONS IL 148
40-45	CROSS-SECTIONS SOUTH QUAD.
46-50	CROSS-SECTIONS NORTH QUAD.

000001-06	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420001-07	PAVEMENT JOINTS
482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
482011-03	HMA SHOULDER STRIPS/SHOULDERS WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
542201-02	REINFORCED CONCRETE END SECTIONS FOR PIPE CULVERTS 15" THRU 36" DIA. SKEWED WITH ROADWAY
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
602601-03	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
606001-05	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS AND MEDIANS
701001-02	OFF-ROAD OPERATION, 2L, 2W, MORE THAN 15' FROM PAVEMENT EDGE
701006-05	OFF-ROAD OPERATION, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701101-04	OFF-ROAD OPERATION, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATION, MULTILANE, MORE THAN 15' AWAY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS-DAY ONLY
701422-06	LANE CLOSURE, MULTILANE, FOR SPEEDS ≥ 45 MPH TO 55 MPH
701426-06	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≥ 45 MPH TO 55 MPH
780001-04	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATORS RAISED REFLECTIVE PAVEMENT MARKERS

MIXTURES REQUIREMENTS

Locations	Hot-Mix Asphalt Surface Course
Mixture Use(s):	Polymerized Hot-Mix Asphalt Surface Course, Mix D, N90
AC/PG:	SBS PG76-22
ABR % (Max):	See Special Provision
Design Air Voids:	4.0 %, 90 Gyration Design
Mixture (Gradation)	IL-9.5mm
Friction	D Surface
Quality	QC/OA
Program:	

Locations	Hot-Mix Asphalt Base Course and Hot-Mix Asphalt Shoulders
Mixture Use(s):	Hot-Mix Asphalt Binder Course, N90, IL-19.0mm Fine Grade
AC/PG:	PG64-22
ABR % (Max):	See Special Provision
Design Air Voids:	4.0 %, 90 Gyration Design
Mixture (Gradation)	IL-19.0mm Fine Grade
Friction	None
Quality	QC/OA
Program:	

FILE NAME :	USER NAME : #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, STANDARDS, MIXTURES REQUIREMENTS				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE * (0.0, 0.000) 1/16"		CHECKED -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.				CONTRACT NO. 78402				
PLOT DATE * 3/20/2014		DATE -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT								

GENERAL NOTES

1. THE THICKNESS OF HOT MIX ASPHALT SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HOT MIX ASPHALT IS PLACED.
2. FACTORS USED FOR ESTIMATING PLAN QUANTITIES ARE AS FOLLOWS AND SHALL NOT BE USED FOR THE BASIS OF FINAL QUANTITIES:

ALL HOT MIX ASPHALT	2.016 TONS/CU YD
ALL AGGREGATE	2.05 TONS/CU YD
BITUMINOUS MATERIALS:	
ON PAVEMENT	0.09 GAL/SQ YD
INTERMEDIATE LIFTS (FOG COATS)	0.04 GAL/SQ YD
ON AGGREGATE SURFACE	0.32 GAL/SQ YD
AGGREGATE (PRIME COAT)	0.0015 TONS/SQ YD
RIPRAP	1.50 TONS/CU YD
3. FORMS FOR CONCRETE CURB AND GUTTER SHALL BE OF METAL ONLY, EXCEPT THAT WOOD FORMS MAY BE USED ON SHORT RADIUS CURVES.
4. PROTECTIVE COAT SHALL BE APPLIED TO PCC PAVEMENT, PAVED DITCH, CONCRETE CURB AND GUTTER AND CONCRETE MEDIAN SURFACE AS NEEDED ACCORDING TO THE SEASONAL REQUIREMENTS FOR ARTICLE 420.18 OF THE STANDARD SPECIFICATIONS.
5. 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.
6. AT ALL LOCATIONS WHERE THE PROPOSED BITUMINOUS OR CONCRETE PAVEMENT JOINS AN EXISTING BITUMINOUS 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.
7. THE QUANTITY FOR BITUMINOUS MATERIALS PRIME COAT INCLUDED IN THE PLANS IS BASED ON AN ANTICIPATED SEQUENCE OF CONSTRUCTION, AND 4" MAXIMUM LIFTS. THE ACTUAL QUANTITY MAY VARY DEPENDENT ON THE CONTRACTOR'S SEQUENCE OF OPERATIONS.
8. PAYMENT FOR TIEBARS AND DWEL BARS SHALL BE INCLUDED IN THE COST OF THE PROPOSED PAVEMENT AND/OR COMBINATION CURB AND GUTTER.
9. AFTER A LIFT OF BITUMINOUS CONCRETE HAS BEEN PLACED ON A LANE, THAT LANE SHALL REMAIN CLOSED TO TRAFFIC UNTIL THE NEW MAT HAS COOLED TO 150°F.
10. ALL AGGREGATE SHOWN ON STANDARD 606301 SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE FOR CONCRETE MEDIAN SURFACE, 4 INCH.
11. PRIOR TO PLACEMENT OF THE FINAL PAVEMENT MARKINGS THE RESIDENT ENGINEER SHOULD CONTACT THE BUREAU OF OPERATIONS AND ARRANGE FOR INSPECTION AND APPROVAL OF THE PAVEMENT MARKING LAYOUT.
12. THE QUANTITY OF SHORT TERM PAVEMENT MARKING SHOWN IN THE PLANS IS BASED ON ONE APPLICATION EACH FOR BITUMINOUS SURFACE REMOVAL, INDIVIDUAL LIFTS OF BITUMINOUS BINDER AND BITUMINOUS SURFACE, AT THE RATE OF 4 FEET IN 40 FEET.
13. UTILITIES ARE SHOWN IN ACCORDANCE WITH THE BEST AVAILABLE INFORMATION AND THEIR TRUE LOCATIONS ARE NOT GUARANTEED TO BE AS SHOWN IN THE PLANS.
14. TRENCH BACKFILL REQUIRED FOR PIPE CULVERTS SHALL ONLY BE PLACED UP TO ONE FOOT BELOW THE FINAL GRADE IN AREAS HAVING A PROPOSED GRASS OR SOD SURFACE.
15. ALL PIPE CULVERT OR STORM SEWER EXTENSIONS SHALL BE CONSTRUCTED IN ACCORDANCE WITH METHOD II AS SPECIFIED IN ARTICLE 542.05 OF THE STANDARD SPECIFICATIONS. PRIOR TO EXTENDING ANY PIPE CULVERT OR STORM SEWER, THE ENTIRE LENGTH OF THE EXISTING PIPE CULVERT OR STORM SEWER SHALL BE CLEANED OF ALL EARTH AND DEBRIS BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER. THE COST OF THIS WORK SHALL BE PAID FOR ACCORDING TO ARTICLE 109.04.
16. 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.
17. THE QUANTITY OF EROSION CONTROL BLANKET SHOWN IN THE PLANS IS ONLY AN ESTIMATE. THE ACTUAL AMOUNT USED, AND LOCATION, SHALL BE DETERMINED BY THE ENGINEER.
18. THE REMOVAL OF BROKEN CONCRETE IN EXISTING DITCHES SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
19. 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.
20. THE CONTRACTOR SHALL STAMP STATIONING IN THE HOT-MIX ASPHALT SURFACE AT 300 FT. INTERVALS ON THE OUTSIDE EDGE OF PAVEMENT AND AS DIRECTED BY THE ENGINEER. THE STATION SYMBOL STAMPS USED SHALL BE FURNISHED BY THE CONTRACTOR. THEY SHALL BE 5 1/2" TALL OF A DESIGN APPROVED BY THE ENGINEER, AND SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.
21. ALL STORM SEWERS SHALL BE "REINFORCED CONCRETE CULVERT, STORM DRAIN AND SEWER PIPE" CONFORMING TO THE REQUIREMENTS OF ARTICLE 1040.03
22. SEEDING SHALL BE DONE ON ALL AREAS THAT ARE DISTURBED BY CONSTRUCTION OPERATIONS AS DIRECTED BY THE ENGINEER. SEEDING SHALL BE PAID FOR ONLY WITHIN THE PROPOSED RIGHT-OF-WAY OR EASEMENT LIMITS. ALL AREAS DISTURBED BY THE CONTRACTOR OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE SEEDED, AS DIRECTED BY THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.
23. CONNECTING OF NEW OR EXISTING STORM SEWERS TO NEW OR EXISTING INLETS OR MANHOLES SHALL BE MADE IN A MANNER WHICH RESULTS IN A NEAT AND WATERTIGHT JOINT. WHEN PLACED THROUGH THE WALL OF AN INLET OR MANHOLE, STORM SEWER PIPE SHALL BE PLACED OR CUT FLUSH WITH THE FACE OF THE WALL AND DRESSED WITH MORTAR TO PROVIDE A SMOOTH ROUNDED OR BEVELED EDGE. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED AS INCLUDED IN THE CONTRACT UNIT PRICES OF THE STORM SEWERS OR STRUCTURES INVOLVED.

COMMITMENTS

DR. JEFFERY PARTON, DVM

-ACCESS TO THE BUSINESS WILL REMAIN OPEN AT ALL TIMES. CONTRACTOR SHOULD COORDINATE TEMPORARY OR PARTIAL CLOSURES WITH THE PROPERTY OWNER PRIOR TO BEGINNING WORK.

-LANDSCAPING AND SPLIT RAIL FENCING AREA LOCATED IN THE NORTHEAST CORNER OF THE PROPERTY WILL NOT BE DISTURBED.

FLORINA ENTERPRISES, LLC

-ACCESS TO THE BUSINESS WILL REMAIN OPEN AT ALL TIMES. CONTRACTOR SHOULD COORDINATE TEMPORARY OR PARTIAL CLOSURES WITH THE PROPERTY OWNER PRIOR TO BEGINNING WORK.

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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	PLOT DATE = 3/28/2014	DATE -	REVISED -								
						SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.
						FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			
						CONTRACT NO. 78402					

SUMMARY OF QUANTITIES			COUNTY	CONSTRUCTION CODE
			FUNDING	WILLIAMSON
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY
				0005
				URBAN
20200100	EARTH EXCAVATION	CU YD	75	75
20400100	BORROW EXCAVATION	CU YD	241	241
20800150	TRENCH BACKFILL	CU YD	17	17
25000115	SEEDING, CLASS 1B	ACRE	0.6	0.6
25000350	SEEDING, CLASS 7	ACRE	0.6	0.6
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	99	99
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	74	74
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	74	74
25000700	AGRICULTURAL GROUND LIMESTONE	TON	1.2	1.2
25100115	MULCH, METHOD 2	ACRE	1.2	1.2
25100630	EROSION CONTROL BLANKET	SQ YD	165	165
28000305	TEMPORARY DITCH CHECKS	FOOT	33	33
28000400	PERIMETER EROSION BARRIER	FOOT	455	455
28000500	INLET AND PIPE PROTECTION	EACH	6	6

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SUMMARY OF QUANTITIES				CONSTRUCTION CODE	
				COUNTY	CONSTRUCTION CODE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	WILLIAMSON	80% FEDERAL 20% STATE
				ROADWAY	URBAN
31100700	SUBBASE GRANULAR MATERIAL, TYPE A 8"	SO YD	1665	1665	
35501320	HOT-MIX ASPHALT BASE COURSE, 9"	SO YD	318	318	
35501332	HOT-MIX ASPHALT BASE COURSE, 12"	SO YD	1419	1419	
40200500	AGGREGATE SURFACE COURSE, TYPE A 6"	SO YD	252	252	
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	929	929	
40600300	AGGREGATE (PRIME COAT)	TON	16	16	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	73	73	
40600990	TEMPORARY RAMP	SO YD	32	32	
40603545	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90	TON	214	214	
42001300	PROTECTIVE COAT	SO YD	51	51	
44000100	PAVEMENT REMOVAL	SO YD	650	650	
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SO YD	833	833	
44004250	PAVED SHOULDER REMOVAL	SO YD	219	219	
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	1346	1346	
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SO YD	536	536	

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	PLOT DATE = 3/22/2014	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
726	(1-2) N-3	WILLIAMSON	50	6
CONTRACT NO. 78402				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

14

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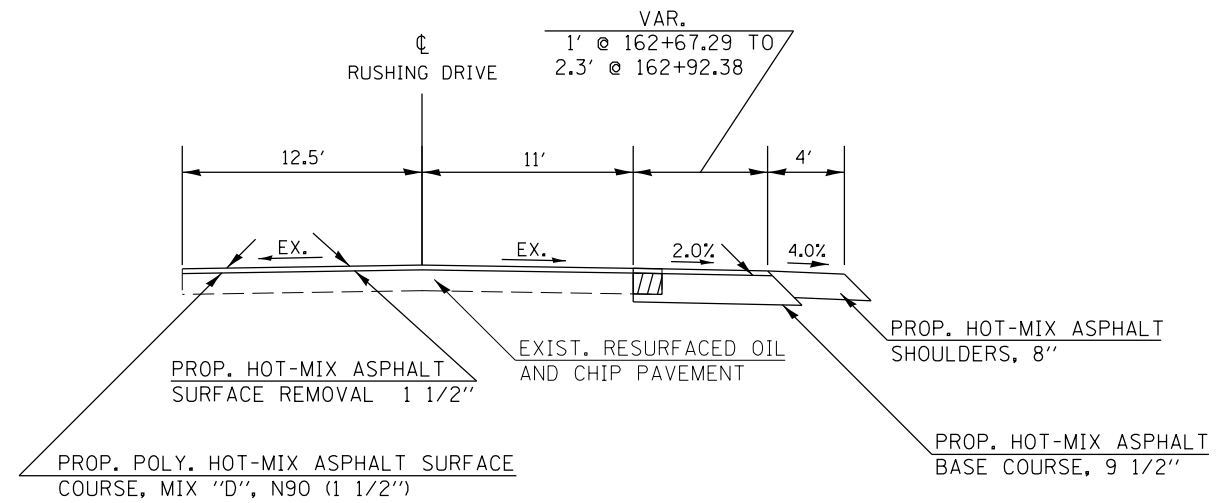
SUMMARY OF QUANTITIES				CONSTRUCTION CODE	
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	COUNTY	WILLIAMSON
				FUNDING	80% FEDERAL 20% STATE
				ROADWAY	
				0005	
				URBAN	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	340	340	
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SO FT	21	21	
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	3311	3311	
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	155	155	
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	12	12	
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	1397	1397	
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	21	21	
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	3311	3311	
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	155	155	
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	12	12	
78300100	PAVEMENT MARKING REMOVAL	SO FT	616	616	
X6024240	INLETS, SPECIAL	EACH	1	1	

12

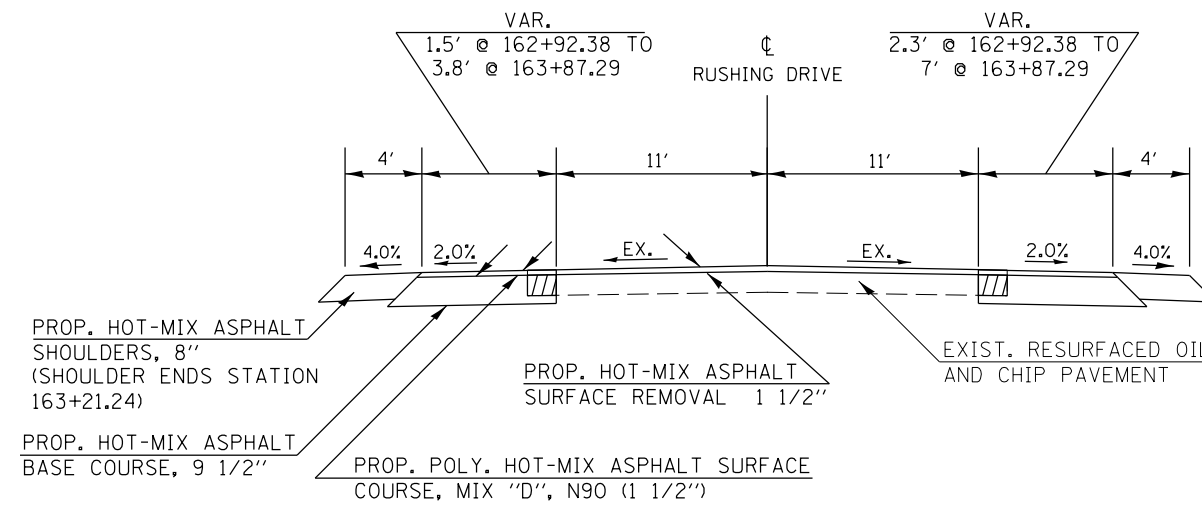
* SPECIALTY ITEM

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	PLOT SCALE = 1/8" = 100.0000' / in.	CHECKED -	REVISED -						CONTRACT NO. 78402						
	PLOT DATE = 3/28/2014	DATE -	REVISED -						FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT						

TYPICAL SECTIONS



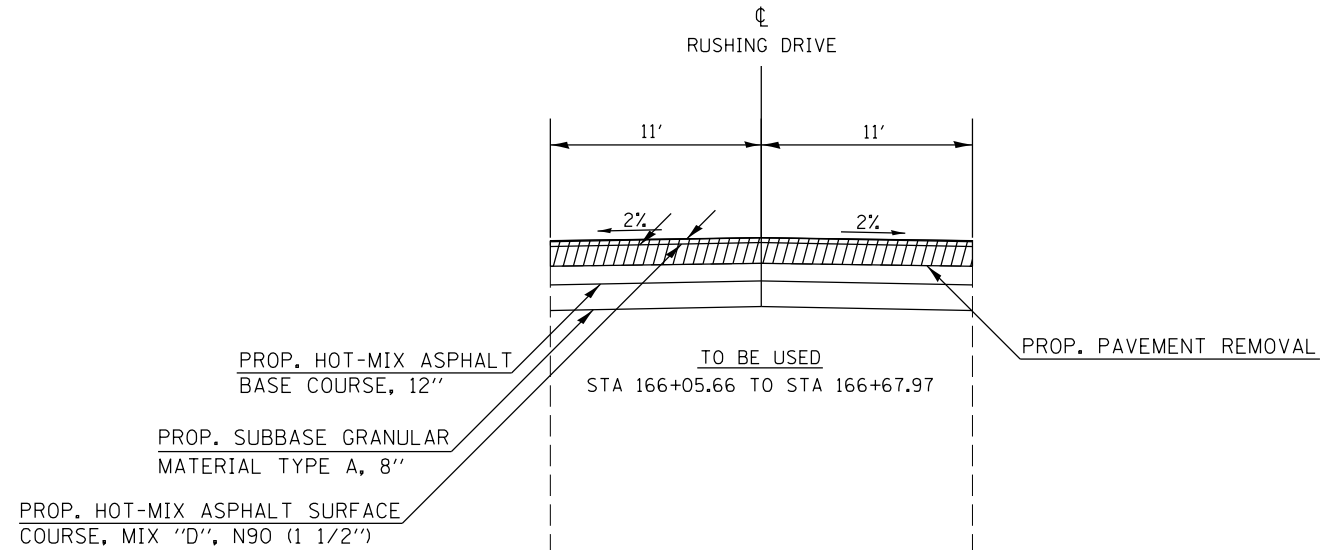
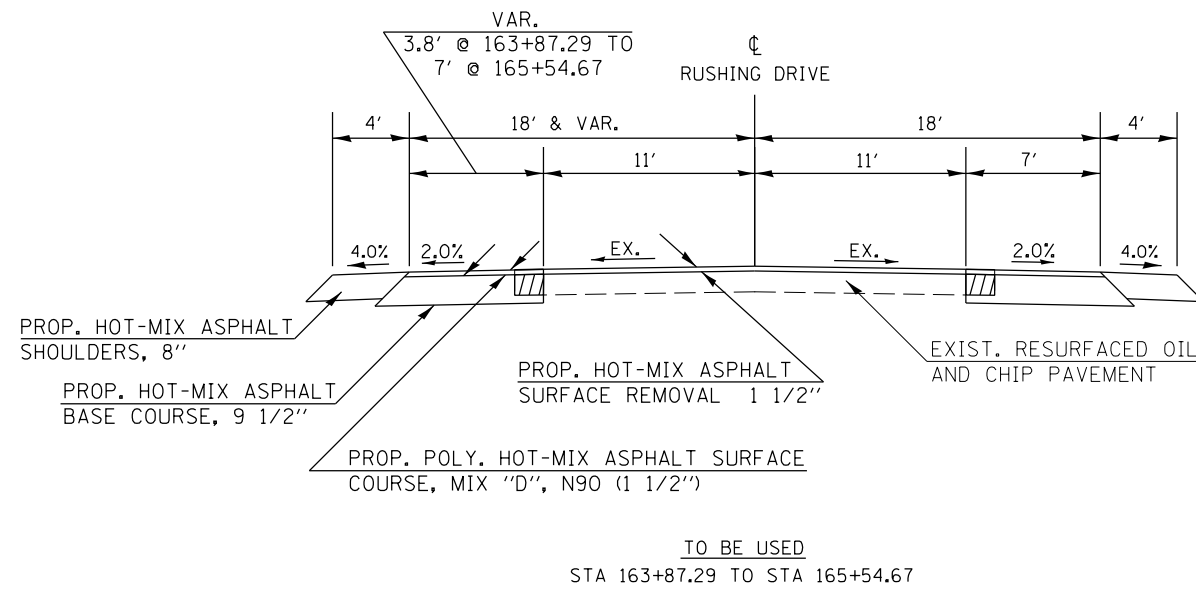
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STA 162+67.29 TO STA 162+92.38



TO BE USED
STA 162+92.38 TO STA 163+87.29

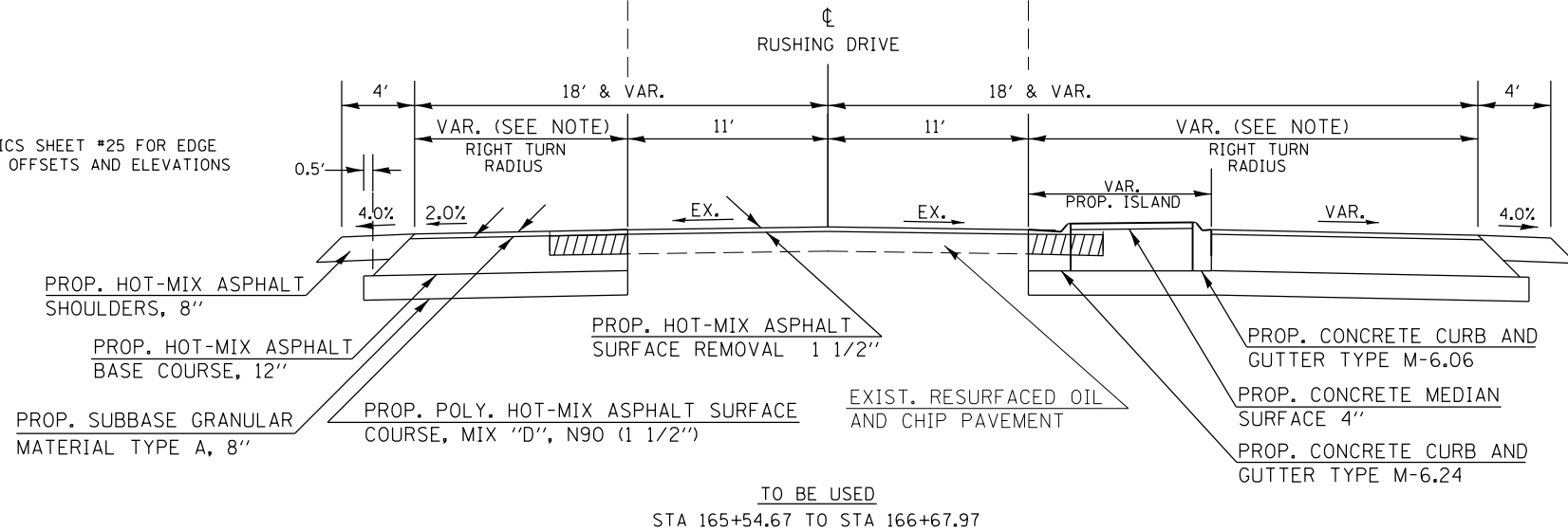
FILE NAME =	USER NAME = \$USER\$	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS RUSHING DRIVE			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pwork\pwork\pufferead\0374570\78402-shb-typ-sch-ties-geopakelements.dgn	PLOT SCALE = 10.0000' / 1"	DRAWN -	REVISED -					726	(1-2) N-3	WILLIAMSON	50	9
\$MODELNAME\$	PLOT DATE = 3/28/2014	CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.			CONTRACT NO. 78402				
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

TYPICAL SECTIONS



 — SAW CUT AND REMOVE PAVEMENT @ 11' OFFSET FROM CL

NOTE:
SEE GEOMETRICS SHEET #25 FOR EDGE
OF PAVEMENT OFFSETS AND ELEVATIONS



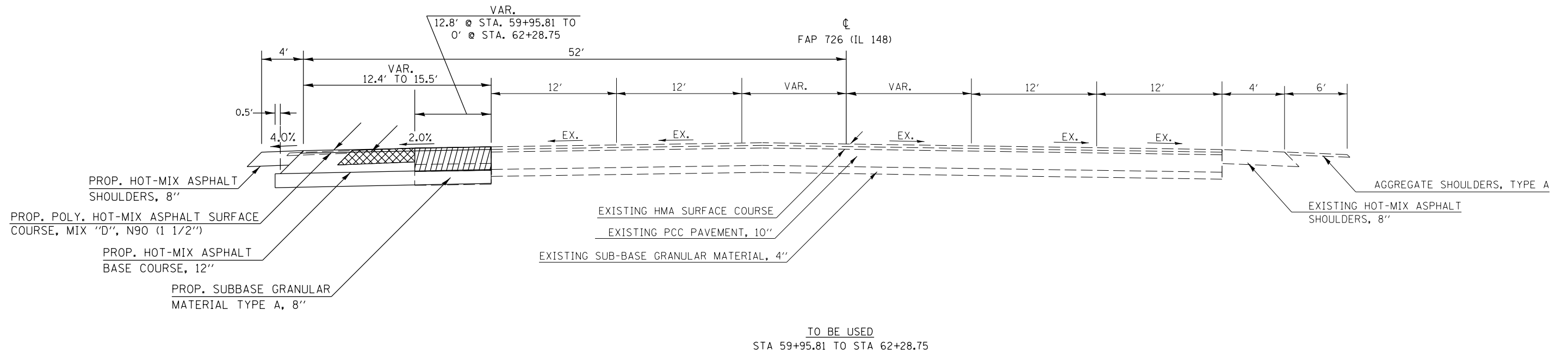
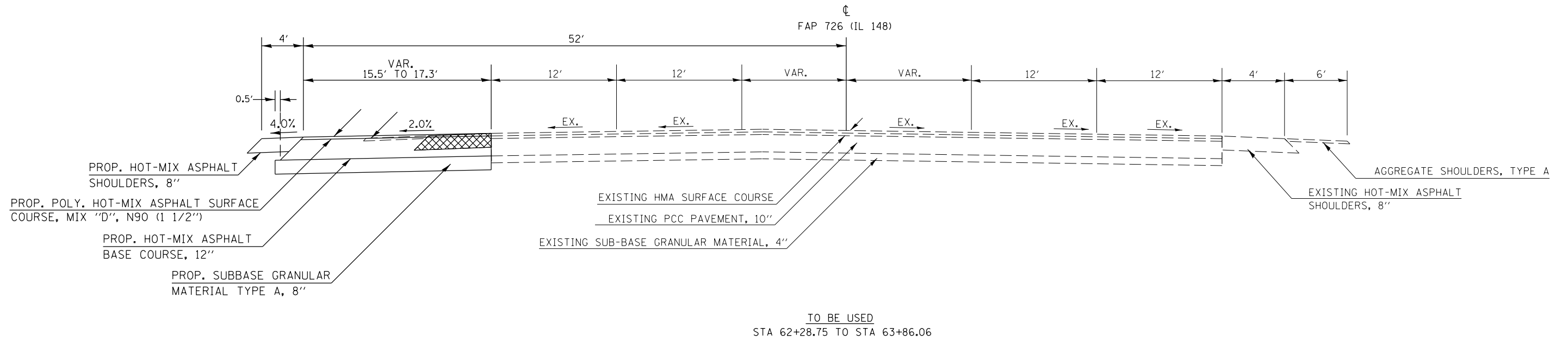
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS	
RUSHING DRIVE	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
726	(1-2) N-3	WILLIAMSON	50	10
CONTRACT NO. 78402				
ILLINOIS FED. AID PROJECT				

TYPICAL SECTIONS



FILE NAME =	USER NAME = \$USER\$	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS ILLINOIS 148				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwork\pwork\pwork\kellykd\0374570\78402-shb-tp-sch-ties-geopakelements.dgn		DRAWN -	REVISED -		726	(1-2) N-3	WILLIAMSON	50	11				
\$MODELNAME\$		CHECKED -	REVISED -		CONTRACT NO. 78402				ILLINOIS FED. AID PROJECT				
	PLOT DATE = 3/20/2014	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.		

REMOVAL SCHEDULE

LOCATION STATION TO STATION	LENGTH	PAVEMENT REMOVAL	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	PAVED SHOULDER REMOVAL	REMARKS
	FOOT	SQ YD	SQ YD	FOOT	
RUSHING DRIVE					
162+67.29 TO 162+92.38	25.09		67		
162+92.38 TO 166+05.66	313.28		766		
162+92.38 LT TO 166+05.66 LT	313.28	42			
162+92.38 RT TO 166+05.66 RT	313.28	55			
166+05.66 TO 166+67.93	62.27	368			
IL 148					
59+95.81 LT TO 62+28.75 LT	232.94	186		116	
62+28.75 LT TO 64+80. LT	251.25			98	
66+00.8 LT TO 66+11.53 LT	10.73			5	
SUBTOTALS					
	1522	650	833	219	

EARTHWORK SCHEDULE

LOCATION STATION TO STATION	EARTH EXCAVATION	EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
	CU YD	CU YD	CU YD	CU YD
IL 148				
60+00 LT TO 64+00 LT	195	146.25	175	-29
SOUTH RADIUS				
0+00 RT TO 1+40 RT	75	56.25	192	-136
NORTH RADIUS				
0+00 RT TO 1+40 RT	0	0	76	-76
TOTALS				
	75	56	268	-241

25% Shrinkage Factor for Earth Excavation

DRAINAGE SCHEDULE

LOCATION STATION TO STATION	PIPE CULVERT REMOVAL	STORM SEWER, CLASS A, TYPE 2 30"	PIPE CULVERTS, CLASS A, TYPE 2 48"	CAST-IN-PLAC E REINFORCED CONCRETE END SECTIONS 30"	PRECAST REINFORCED CONCRETE FLARED END SECTION, 30"	PRECAST REINFORCED CONCRETE FLARED END SECTION, 48"	COMBINATION CONCRETE CURB AND GUTTER TYPE M-6. 24	COMBINATION CONCRETE CURB AND GUTTER TYPE M-6. 06	CONCRETE MEDIAN SURFACE, 4"	PROTECTIVE COAT	INLET, SPECIAL	TRENCH BACKFILL
	FOOT	FOOT	FOOT	EACH	EACH	EACH	FOOT	FOOT	SQ FT	SQ YD	EACH	CU YD
RUSHING DRIVE												
166+17.61	58											
166+19.44 @ 47.83' RT												
166+20.4 @ 44.65' LT					1							
166+23.41 LT TO 166+53.53 RT		62										21
166+23.80	60											
166+24.43 @ 65.21' RT				1								
166+28.03 RT TO 166+52.26 RT		49										16
166+36.6 RT TO 166+62.53 RT							26			8		
166+44.75 RT TO 166+60.27 RT								224	25			
166+53.38 @ 15.59' RT											1	
SOUTH RADIUS												
0+38.38 LT TO 0+71.55 LT								45	6			
IL 148												
62+84.57			3									3
62+84.57 @ 73.09' LT						1						
64+72.78 LT TO 65+13.77 LT							41		12			
TOTAL	118	111	3		1	1	67	45	224	51	1	40

SEEDING AND EROSION CONTROL SCHEDULE

LOCATION STATION TO STATION	SEEDING, CLASS 1B	SEEDING, CLASS 7	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	AGRICULTURAL GROUND LIMESTONE	MULCH, METHOD 2	EROSION CONTROL BLANKET	TEMP. DITCH CHECKS	INLET AND PIPE PROTECTION	PERIMETER EROSION BARRIER	REMARKS
	ACRE	ACRE	POUND	POUND	POUND	TON	ACRE	SQ YD	FOOT	EACH	FOOT	
RUSHING DRIVE												
162+67.29 RT TO 165+52. RT	0.05	0.05	8.0	6.0	6.0	0.1	0.1				285	
162+67.29 LT TO 163+19. LT	0.01	0.01	1.6	1.2	1.2	0.0	0.0				50	
165+50. LT TO 166+60. LT	0.06	0.06	9.6	7.2	7.2	0.1	0.1				120	
IL 148												
59+95.81 LT TO 65+05 LT	0.50	0.50	80.0	60.0	60.0	1.0	1.0					
60+50 LT									11			
60+50. LT TO 63+25. LT								122				
61+30 LT									11			
62+08 LT									11			
62+85 LT										1		
63+30 LT										1		
63+70 LT										1		
63+75. LT TO 64+72. LT								43				
64+83 LT										1		
65+69 LT										1		
TOTALS	0.6	0.6	99	74	74	1.2	1.2	165	33	5	455	

PT C1001201
 N 394217.682
 E 785291.628
 Z 443.360
 IL 148
 STA. 65+47.35
 O/S 44.354 RT

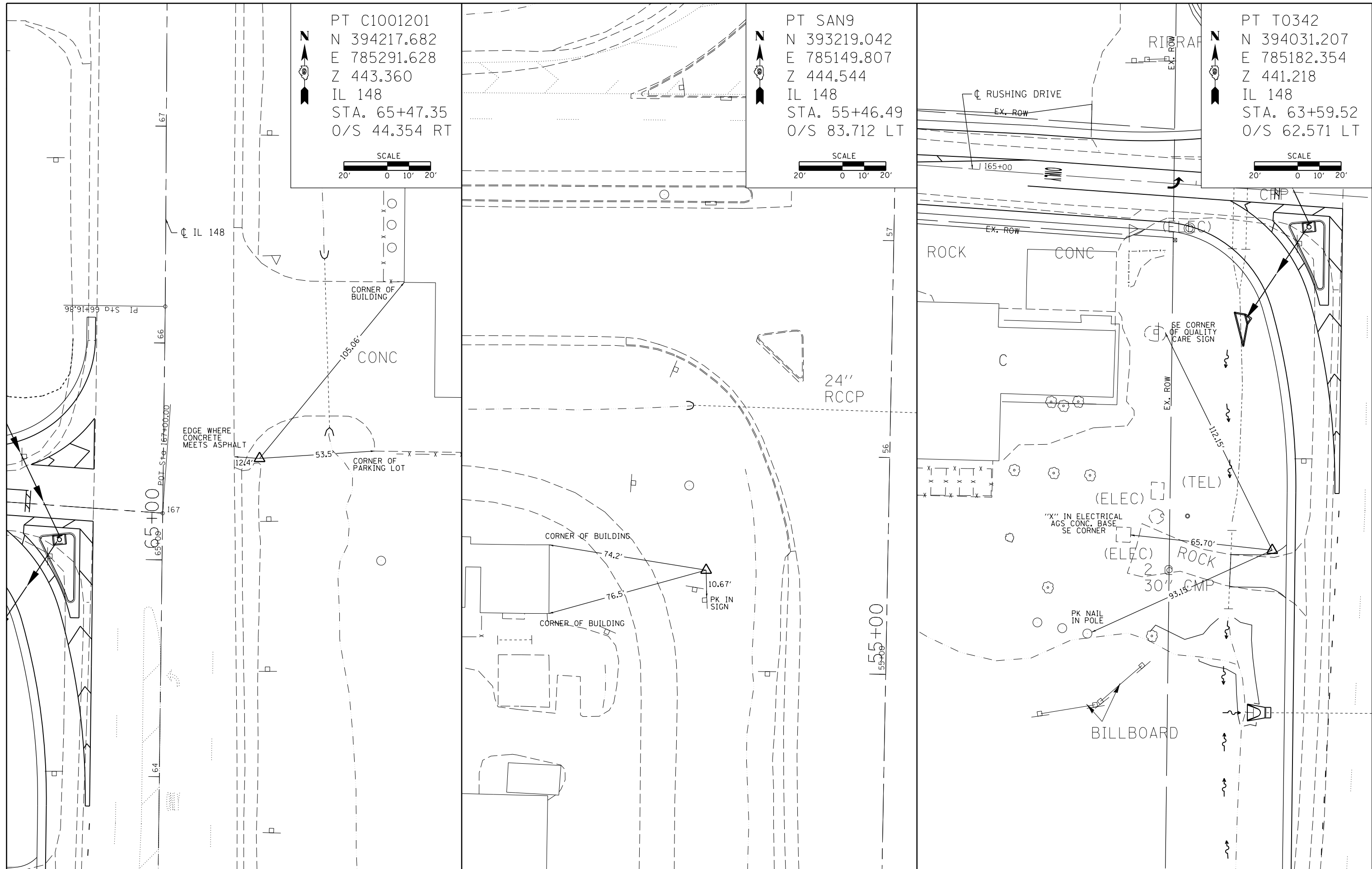
SCALE
 20' 0 10' 20'

PT SAN9
 N 393219.042
 E 785149.807
 Z 444.544
 IL 148
 STA. 55+46.49
 O/S 83.712 LT

SCALE
 20' 0 10' 20'

PT T0342
 N 394031.207
 E 785182.354
 Z 441.218
 IL 148
 STA. 63+59.52
 O/S 62.571 LT

SCALE
 20' 0 10' 20'



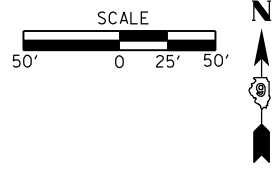
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	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
\$MODELNAME\$	PLOT DATE = 3/20/2014	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

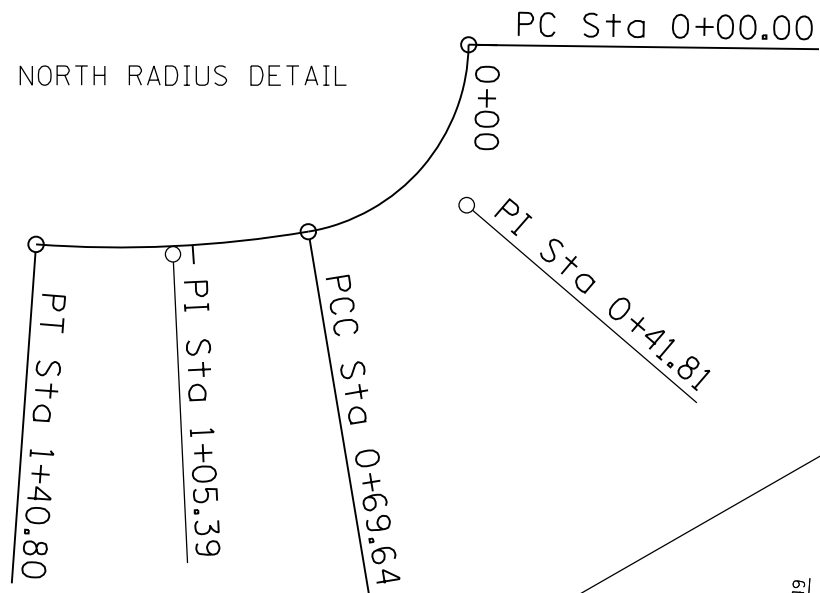
**TIE POINTS SHEET
 IL 148**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
726	(1-2) N-3	WILLIAMSON	50	17
CONTRACT NO. 78402				
ILLINOIS FED. AID PROJECT				



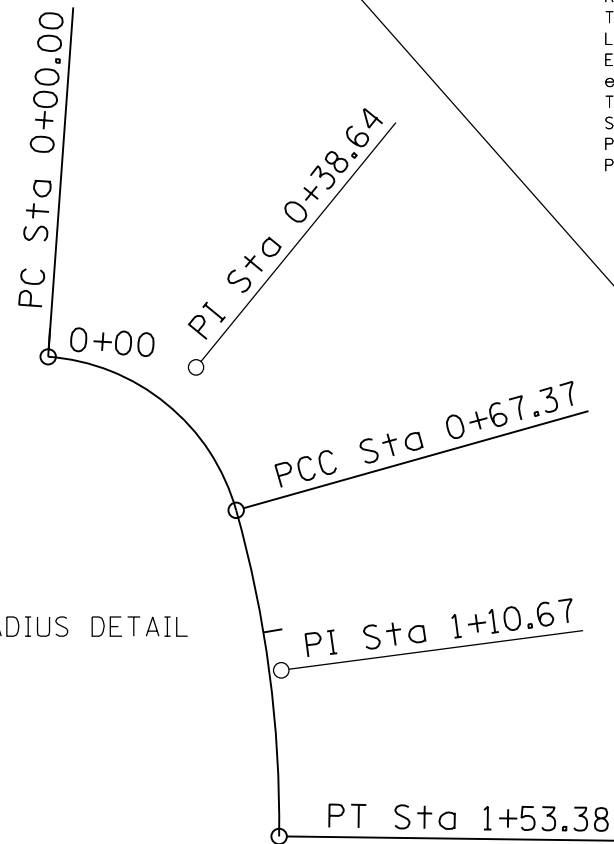
NORTH RADIUS DETAIL



EXIST. CURVE RUSH20
 PI STA. = 160+77.59
 $\Delta = 48^\circ 59' 58''$ (RT)
 $D = 88^\circ 21' 53''$
 $R = 64.84'$
 $T = 29.55'$
 $L = 55.45'$
 $E = 6.42'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. \text{ RUN} = \text{-----}$
 $P.C. \text{ STA.} = 160+48.04$
 $P.T. \text{ STA.} = 161+03.49$

PROP. CURVE N-RADIUS-1	PROP. CURVE N-RADIUS-2
PI STA. = 0+41.81	PI STA. = 1+05.39
$\Delta = 79^\circ 48' 09''$ (RT)	$\Delta = 13^\circ 35' 26''$ (RT)
$D = 114^\circ 35' 30''$	$D = 19^\circ 05' 55''$
$R = 50.00'$	$R = 300.00'$
$T = 41.81'$	$T = 35.75'$
$L = 69.64'$	$L = 71.16'$
$E = 15.18'$	$E = 2.12'$
$e = \text{-----}$	$e = \text{-----}$
$T.R. = \text{-----}$	$T.R. = \text{-----}$
$S.E. \text{ RUN} = \text{-----}$	$S.E. \text{ RUN} = \text{-----}$
$P.C. \text{ STA.} = 0+00.00$	$P.C. \text{ STA.} = 0+69.64$
$P.T. \text{ STA.} = 0+69.64$	$P.T. \text{ STA.} = 1+40.80$

SOUTH RADIUS DETAIL



PROP. CURVE S-RADIUS-1	PROP. CURVE S-RADIUS-2
PI STA. = 0+38.64	PI STA. = 1+10.67
$\Delta = 70^\circ 10' 50''$ (RT)	$\Delta = 16^\circ 25' 35''$ (RT)
$D = 104^\circ 10' 27''$	$D = 19^\circ 05' 55''$
$R = 55.00'$	$R = 300.00'$
$T = 38.64'$	$T = 43.30'$
$L = 67.37'$	$L = 86.01'$
$E = 12.22'$	$E = 3.11'$
$e = \text{-----}$	$e = \text{-----}$
$T.R. = \text{-----}$	$T.R. = \text{-----}$
$S.E. \text{ RUN} = \text{-----}$	$S.E. \text{ RUN} = \text{-----}$
$P.C. \text{ STA.} = 0+00.00$	$P.C. \text{ STA.} = 0+67.37$
$P.T. \text{ STA.} = 0+67.37$	$P.T. \text{ STA.} = 1+53.38$

RUSHING DRIVE

CHAIN - "RUSHING"
 EX. PROF. - "EX-RUSHING"

CHAIN - "N-RADIUS"

CHAIN - "S-RADIUS"

PR. PROF. - "PR-LT-DITCH"

CHAIN - "RTE148"

IL 148

FILE NAME =	USER NAME = \$USER\$	DESIGNED -	REVISED -
c:\pwork\pwork\kellykd\0374570\78402-shrb-tp-sch-tes-geopakelements.dgn		DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / 1".	CHECKED -	REVISED -
\$MODELNAME\$	PLOT DATE = 3/20/2014	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

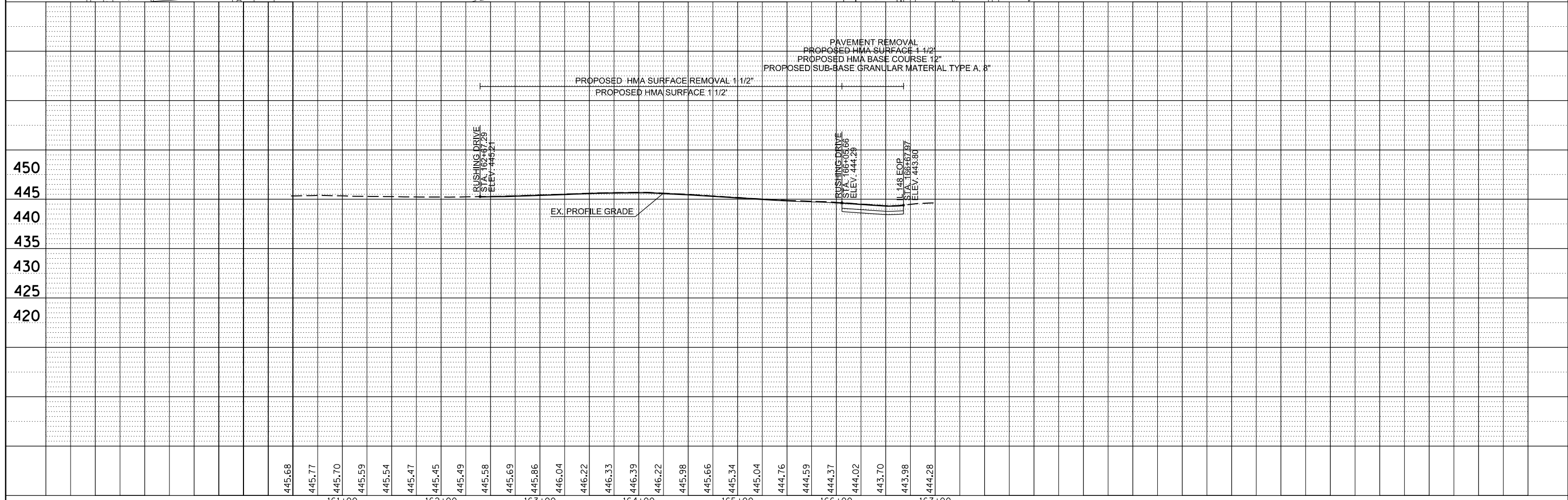
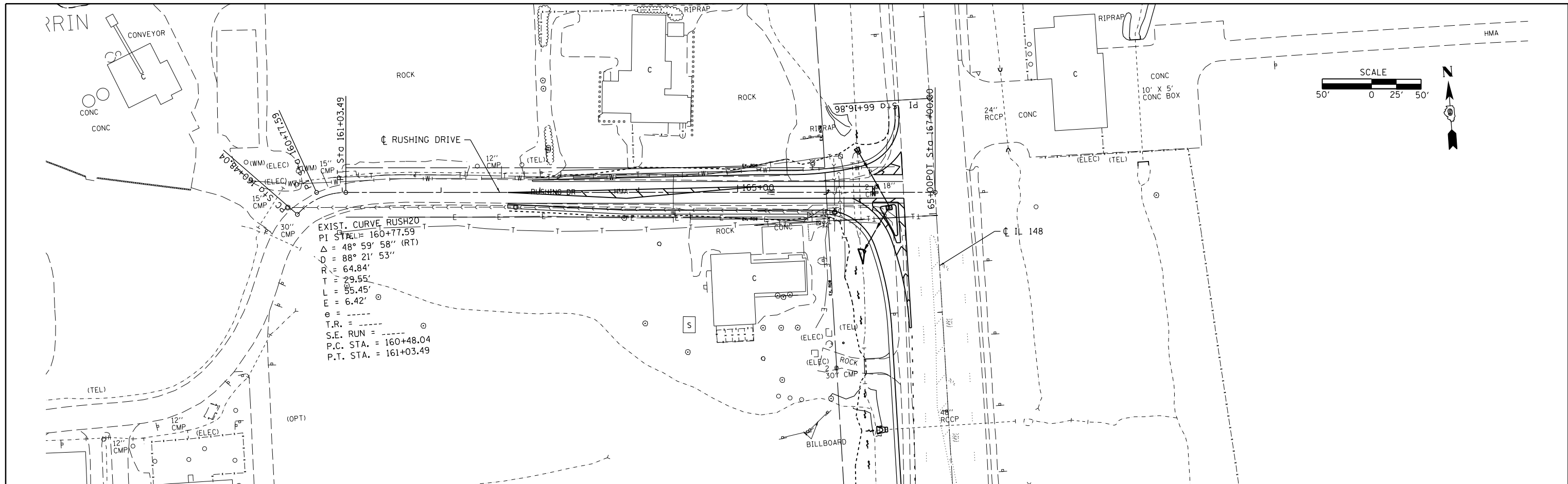
GEOPAK ELEMENTS IDENTIFICATION SHEET

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
726	(1-2) N-3	WILLIAMSON	50	18
CONTRACT NO. 78402				
ILLINOIS FED. AID PROJECT				

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

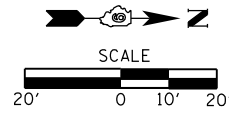
PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
NOTE BOOK NO.	NOTATIONS CHECKED		



FILE NAME =	USER NAME = \$USER\$	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PROFILE EXISTING - RUSHING DRIVE				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
c:\pwork\pwork\puff\puff\0374570\78402\shc-plnpr.f.dgn		DRAWN -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	726	(1-2) N-3	WILLIAMSON	50	19
\$MODELNAME\$		CHECKED -	REVISED -						CONTRACT NO. 78402							
		DATE -	REVISED -						ILLINOIS FED. AID PROJECT							

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

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

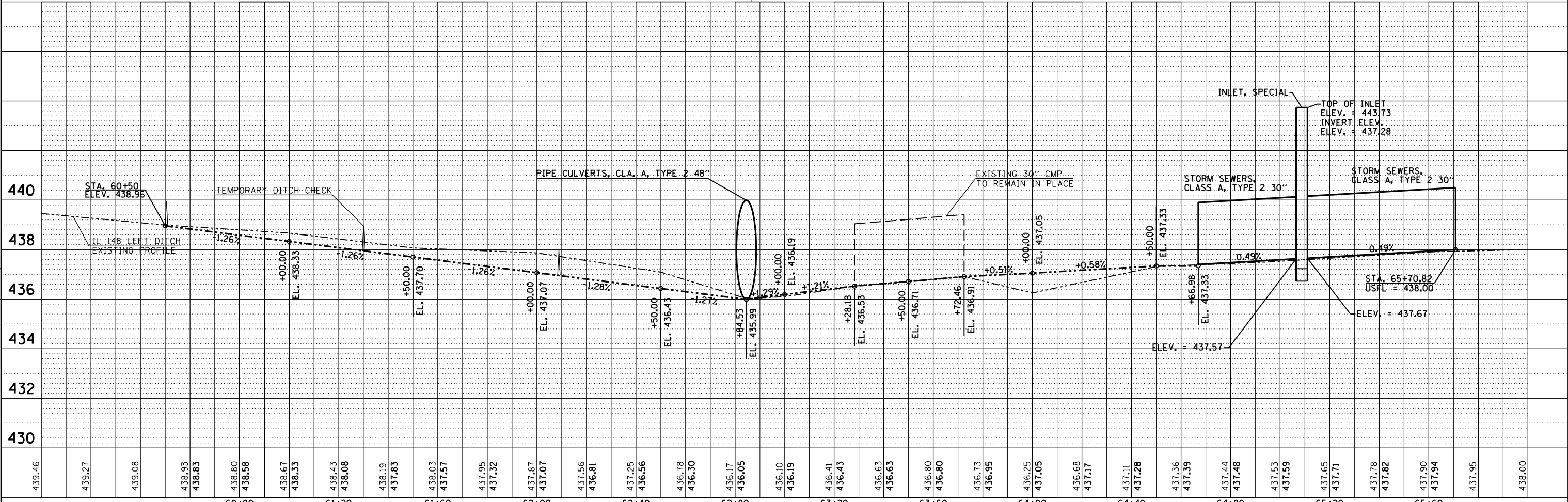
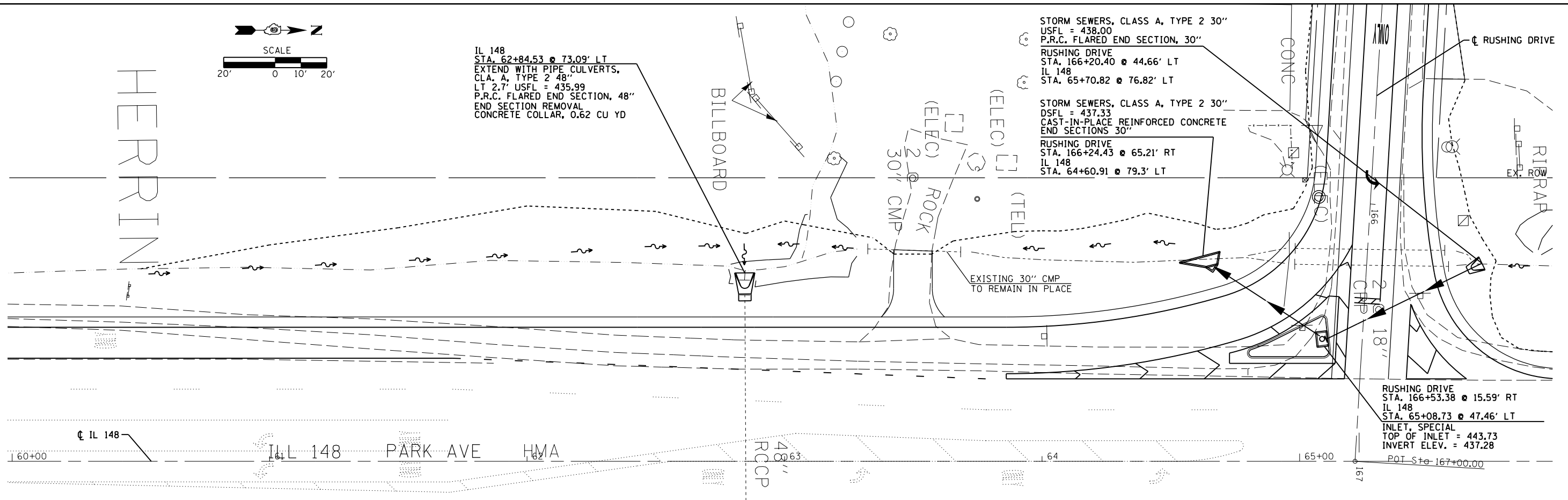


IL 148
 STA. 62+84.53 @ 73.09' LT
 EXTEND WITH PIPE CULVERTS,
 CL. A, TYPE 2 48"
 LT 2.7' USFL = 435.99
 P.R.C. FLARED END SECTION, 48"
 END SECTION REMOVAL
 CONCRETE COLLAR, 0.62 CU YD

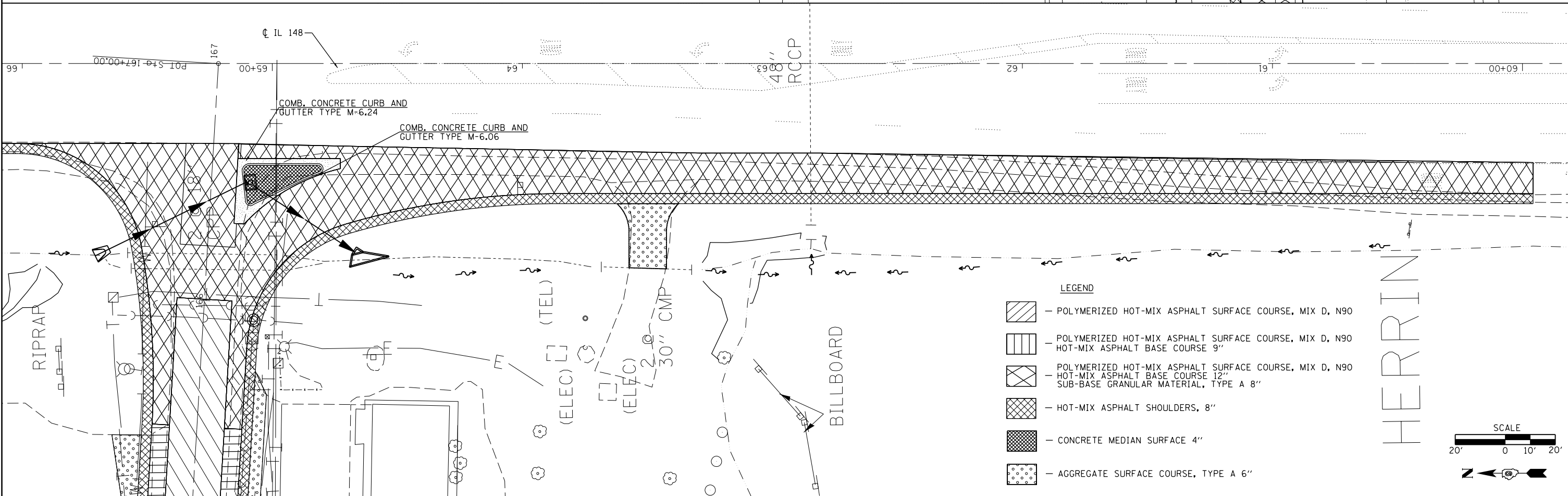
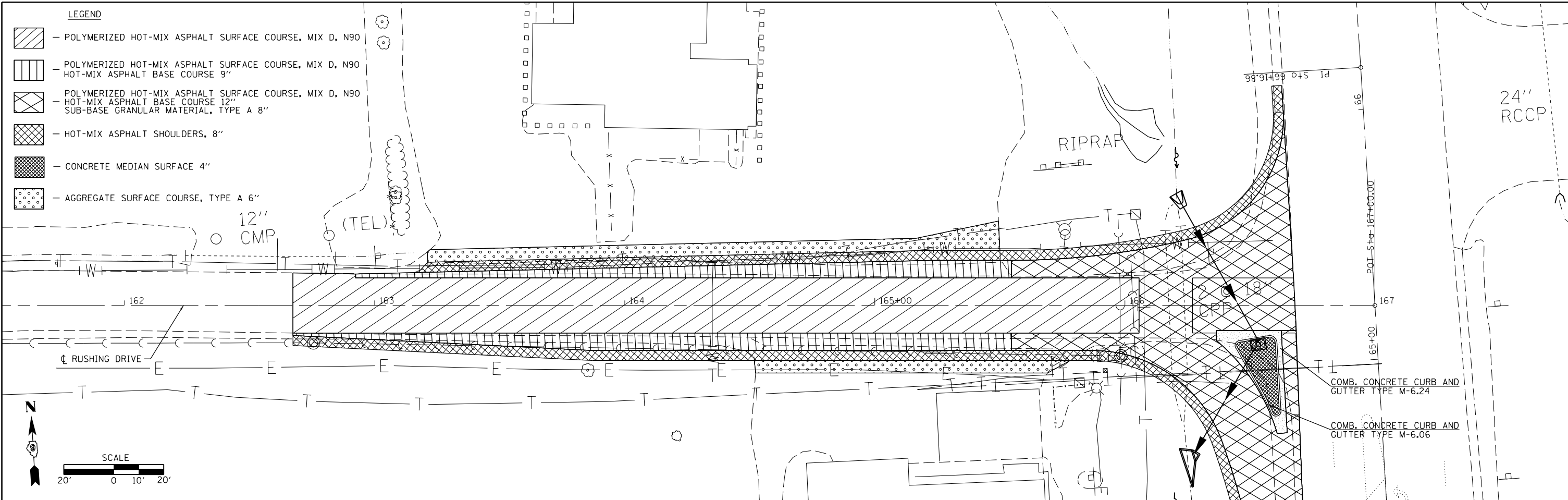
STORM SEWERS, CLASS A, TYPE 2 30"
 USFL = 438.00
 P.R.C. FLARED END SECTION, 30"
 RUSHING DRIVE
 STA. 166+20.40 @ 44.66' LT
 IL 148
 STA. 65+70.82 @ 76.82' LT

STORM SEWERS, CLASS A, TYPE 2 30"
 DSFL = 437.33
 CAST-IN-PLACE REINFORCED CONCRETE
 END SECTIONS 30"
 RUSHING DRIVE
 STA. 166+24.43 @ 65.21' RT
 IL 148
 STA. 64+60.91 @ 79.3' LT

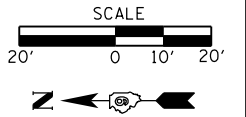
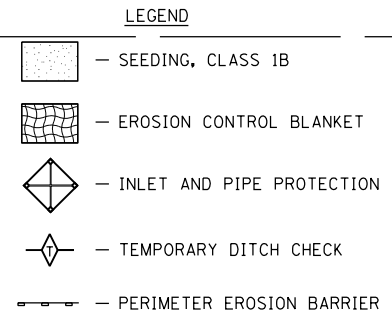
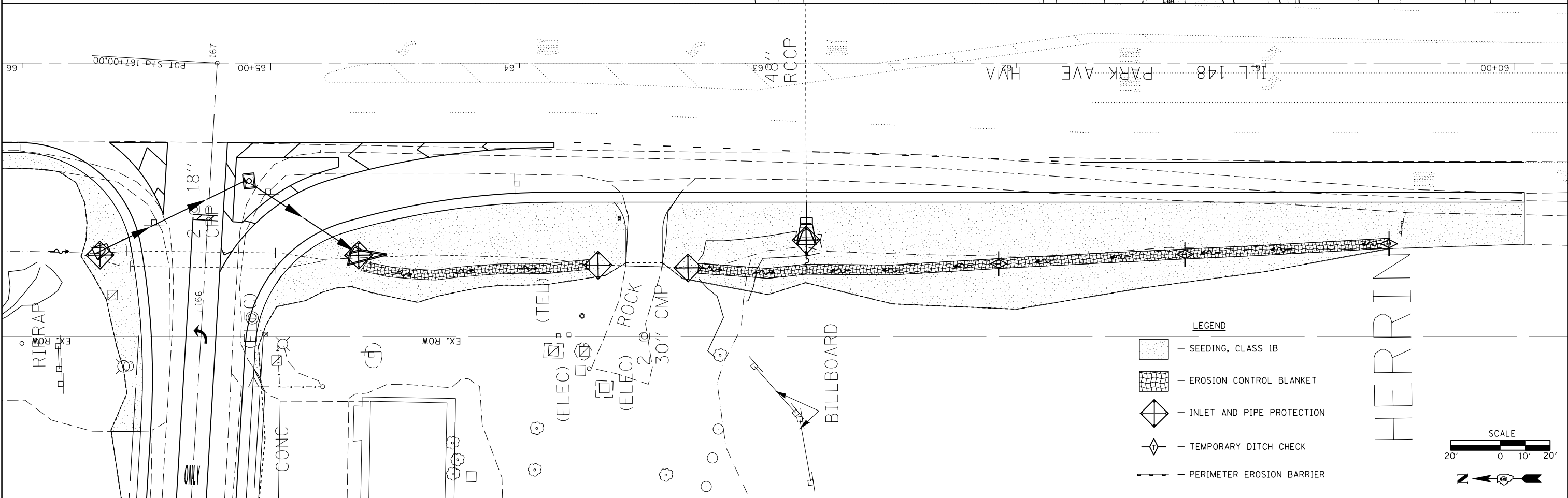
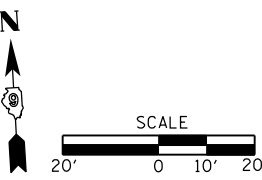
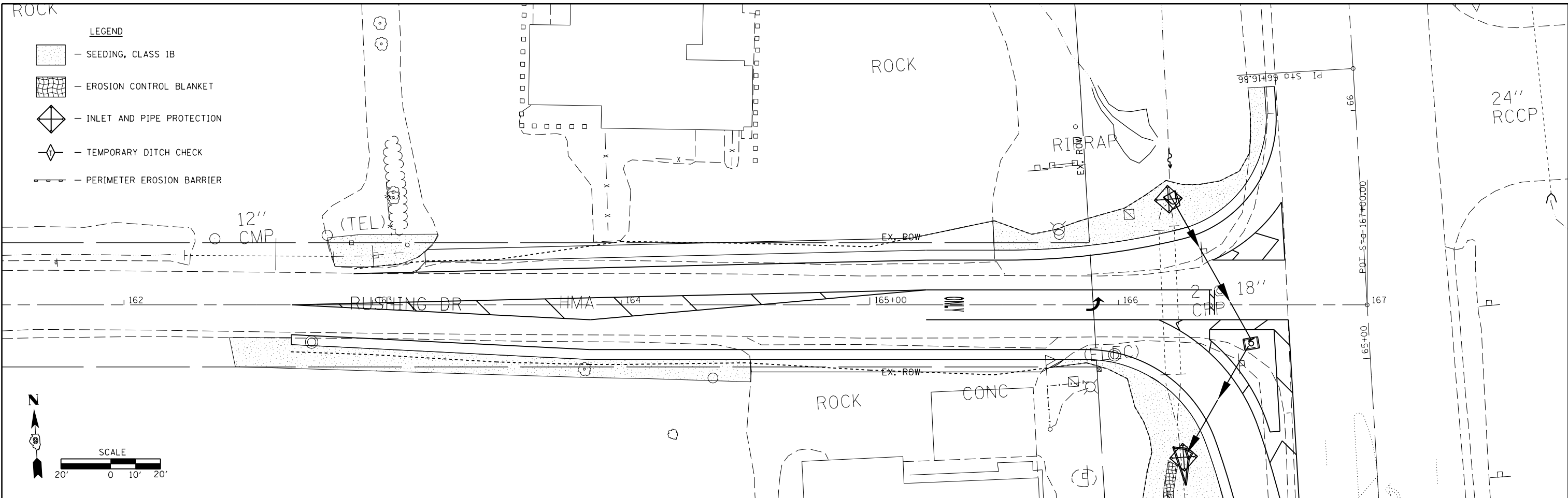
RUSHING DRIVE
 STA. 166+53.38 @ 15.59' RT
 IL 148
 STA. 65+08.73 @ 47.46' LT
 INLET, SPECIAL
 TOP OF INLET = 443.73
 INVERT ELEV. = 437.28
 POT Sta 167+00.00



FILE NAME =	USER NAME = \$USER\$	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE PROFILE IL 148 LEFTSIDE DITCH	F.A.P. RTF.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwork\pwork\kellykd\0374570\78402	shh\p\p\prf.dgn	DRAWN -	REVISED -			726	(1-2) N-3	WILLIAMSON	50	20
\$MODELNAME\$	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 78402				
	PLOT DATE = 3/20/2014	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				



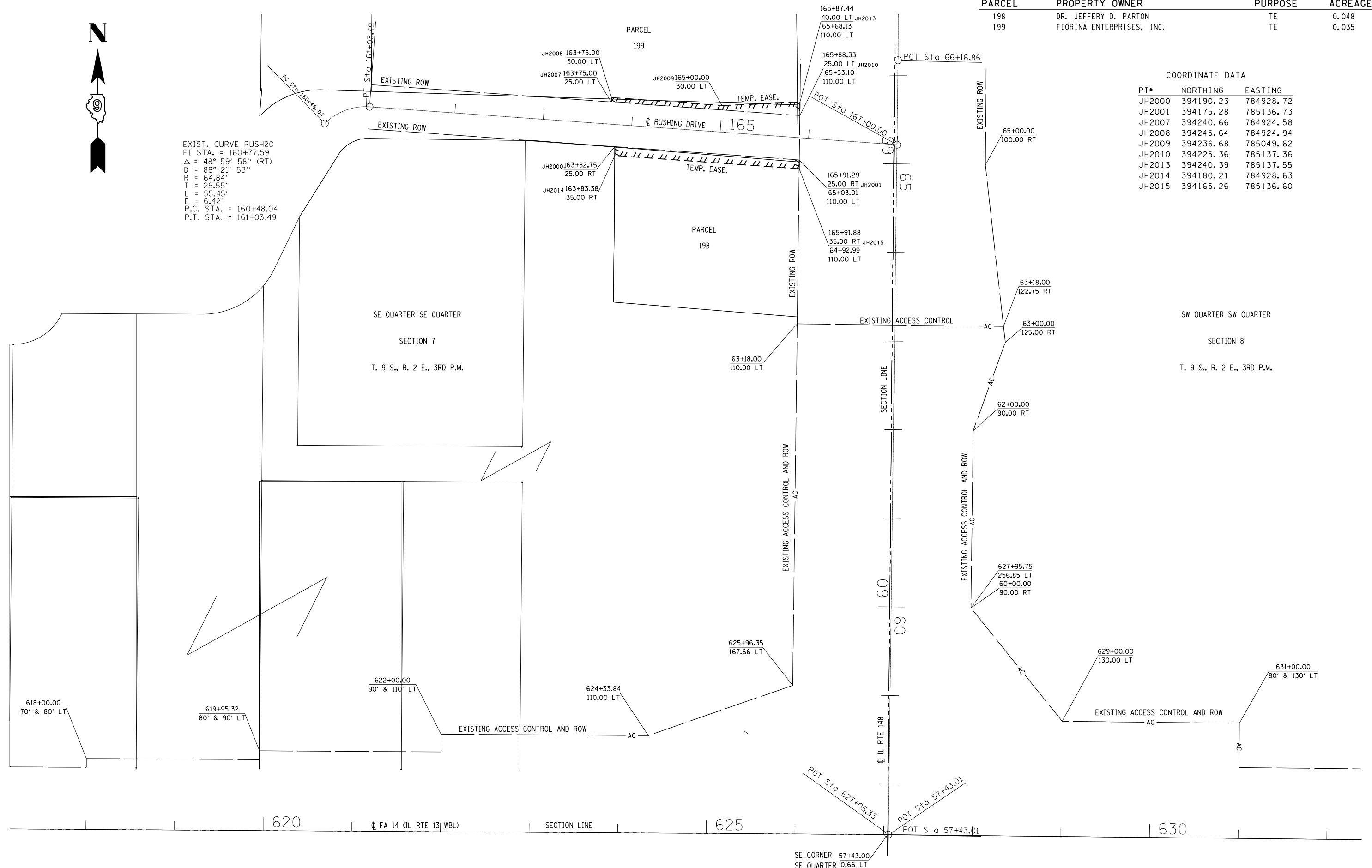
FILE NAME =	USER NAME = \$USERS	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CONSTRUCTION SHEET			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ei:\pw\work\p\midot\kellykd\0374570\78402-shd-stageconstruction.dgn		DRAWN -	REVISED -		726	(1-2) N-3	WILLIAMSON	50	22			
PLOT SCALE = 40.0000' / in.		CHECKED -	REVISED -		CONTRACT NO. 78402							
DATE = 3/20/2014		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							



FILE NAME = c:\pwwork\pwwidot\kellykd\0374570\78402-sht-erosion_drainage_util.dgn	USER NAME = \$USERS\$	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION CONTROL SHEET				F.A.P. RTE. 726	SECTION (1-2) N-3	COUNTY WILLIAMSON	TOTAL SHEETS 50	SHEET NO. 23
*MODELNAME#	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS FED. AID PROJECT	
	PLOT DATE = 3/20/2014	DATE -	REVISED -									CONTRACT NO. 78402	
												ILLINOIS FED. AID PROJECT	



EXIST. CURVE RUSH20
 PI STA. = 160+77.59
 $\Delta = 48^\circ 59' 58''$ (RT)
 $D = 88^\circ 21' 53''$
 $R = 64.84'$
 $T = 29.55'$
 $L = 55.45'$
 $E = 6.42'$
 P.C. STA. = 160+48.04
 P.T. STA. = 161+03.49



PARCEL	PROPERTY OWNER	PURPOSE	ACREAGE
198	DR. JEFFERY D. PARTON	TE	0.048
199	FIORINA ENTERPRISES, INC.	TE	0.035

COORDINATE DATA

PT#	NORTHING	EASTING
JH2000	394190.23	784928.72
JH2001	394175.28	785136.73
JH2007	394240.66	784924.58
JH2008	394245.64	784924.94
JH2009	394236.68	785049.62
JH2010	394225.36	785137.36
JH2013	394240.39	785137.55
JH2014	394180.21	784928.63
JH2015	394165.26	785136.60

SE QUARTER SE QUARTER
 SECTION 7
 T. 9 S., R. 2 E., 3RD P.M.

SW QUARTER SW QUARTER
 SECTION 8
 T. 9 S., R. 2 E., 3RD P.M.

FILE NAME =	USER NAME = \$USER\$	DESIGNED -	REVISED -
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\$MODELNAME\$	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/20/2014	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY PLANS
 RUSHING DRIVE/IL RTE 148

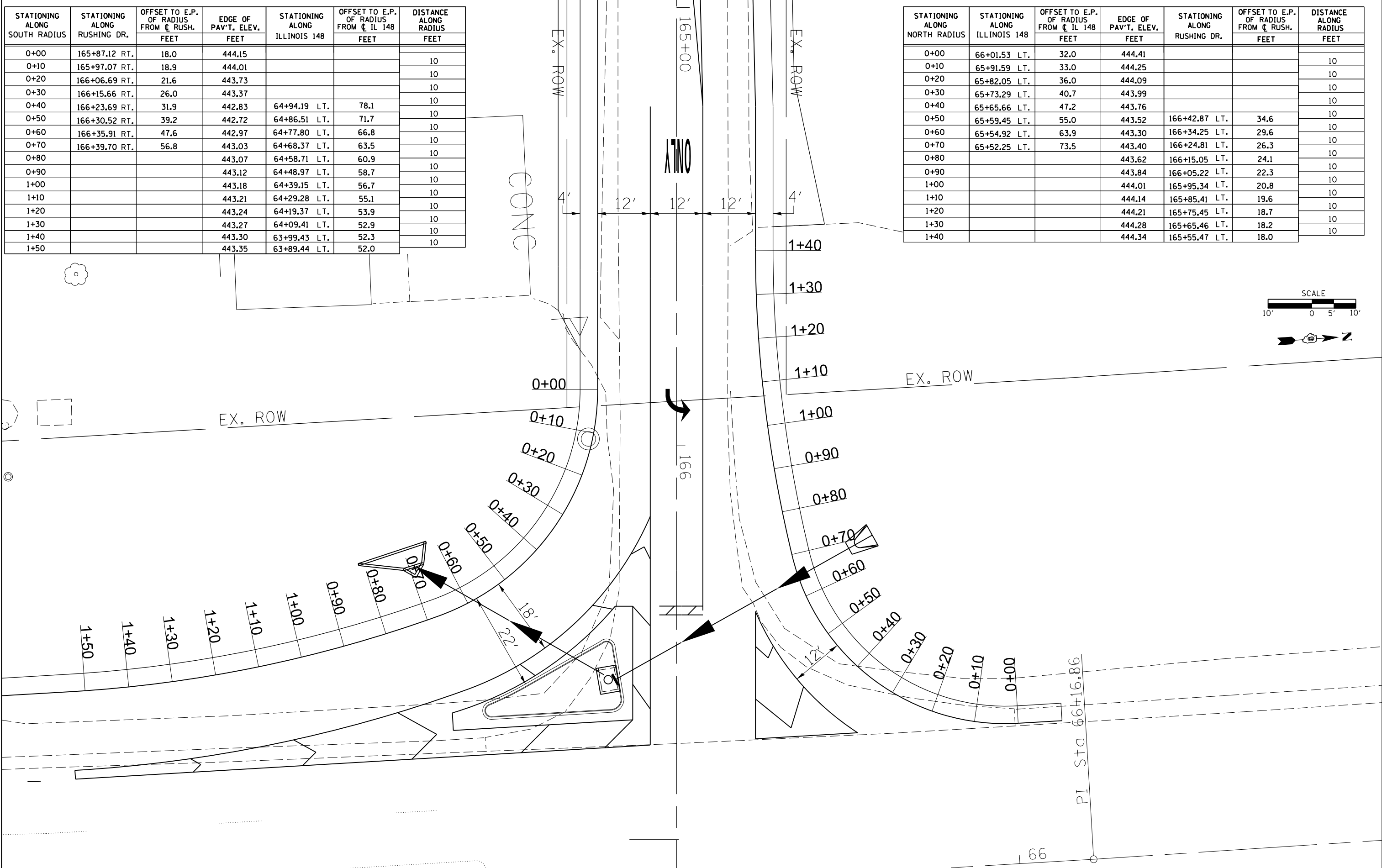
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
IL148	(1-2)N-3	WILLIAMSON	50	24
	R-99-004-03		CONTRACT NO. 78402	

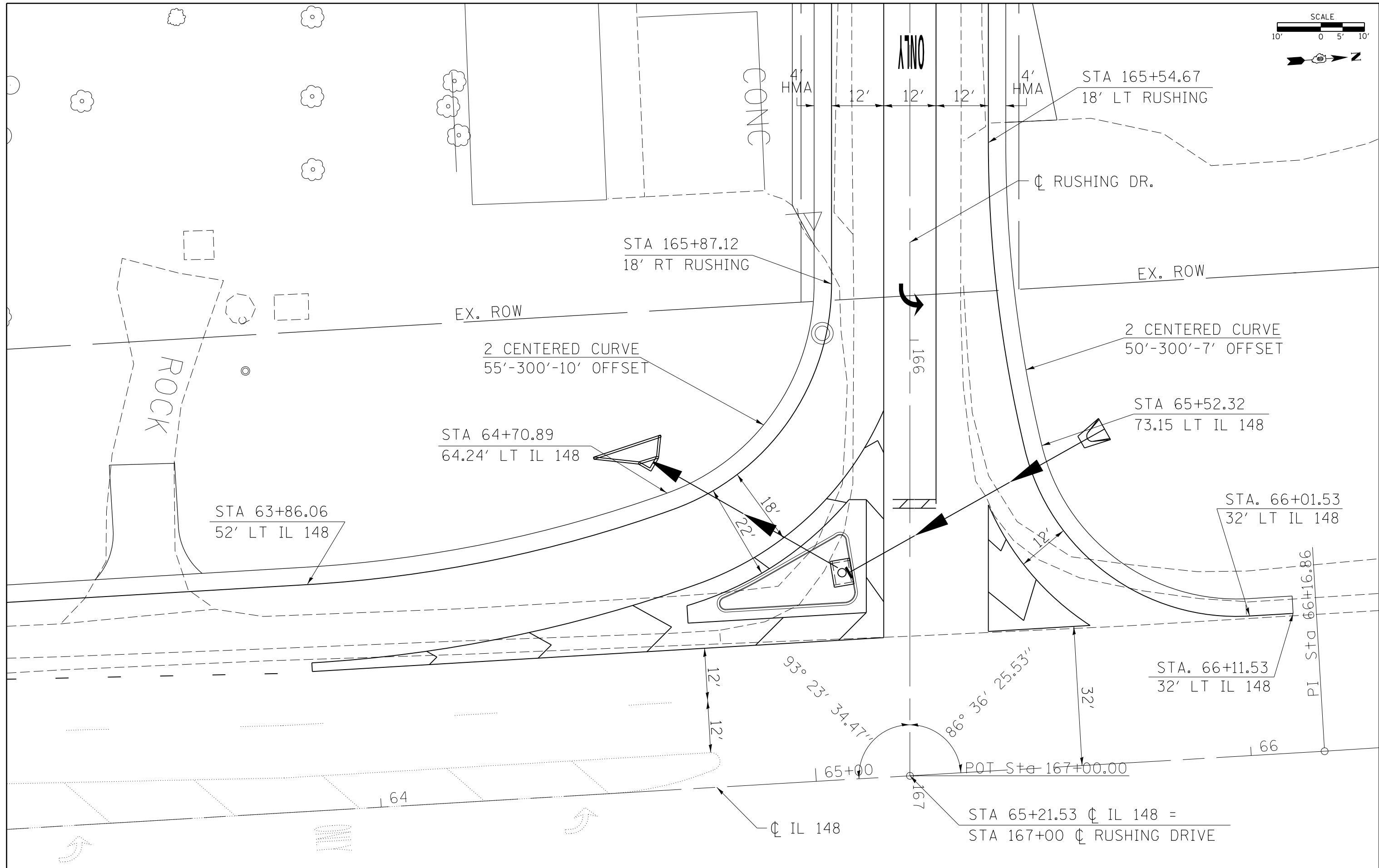
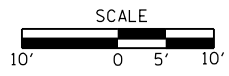
SCALE: 1" = 100' SHEET 1 OF 1 SHEETS STA. 161+03.49 TO STA. 167+00.00

ILLINOIS FED. AID PROJECT

STATIONING ALONG SOUTH RADIUS	STATIONING ALONG RUSHING DR.	OFFSET TO E.P. OF RADIUS FROM C RUSH. FEET	EDGE OF PAV'T. ELEV. FEET	STATIONING ALONG ILLINOIS 148	OFFSET TO E.P. OF RADIUS FROM C IL 148 FEET	DISTANCE ALONG RADIUS FEET
0+00	165+87.12 RT.	18.0	444.15			
0+10	165+97.07 RT.	18.9	444.01			10
0+20	166+06.69 RT.	21.6	443.73			10
0+30	166+15.66 RT.	26.0	443.37			10
0+40	166+23.69 RT.	31.9	442.83	64+94.19 LT.	78.1	10
0+50	166+30.52 RT.	39.2	442.72	64+86.51 LT.	71.7	10
0+60	166+35.91 RT.	47.6	442.97	64+77.80 LT.	66.8	10
0+70	166+39.70 RT.	56.8	443.03	64+68.37 LT.	63.5	10
0+80			443.07	64+58.71 LT.	60.9	10
0+90			443.12	64+48.97 LT.	58.7	10
1+00			443.18	64+39.15 LT.	56.7	10
1+10			443.21	64+29.28 LT.	55.1	10
1+20			443.24	64+19.37 LT.	53.9	10
1+30			443.27	64+09.41 LT.	52.9	10
1+40			443.30	63+99.43 LT.	52.3	10
1+50			443.35	63+89.44 LT.	52.0	10

STATIONING ALONG NORTH RADIUS	STATIONING ALONG ILLINOIS 148	OFFSET TO E.P. OF RADIUS FROM C IL 148 FEET	EDGE OF PAV'T. ELEV. FEET	STATIONING ALONG RUSHING DR.	OFFSET TO E.P. OF RADIUS FROM C RUSH. FEET	DISTANCE ALONG RADIUS FEET
0+00	66+01.53 LT.	32.0	444.41			
0+10	65+91.59 LT.	33.0	444.25			10
0+20	65+82.05 LT.	36.0	444.09			10
0+30	65+73.29 LT.	40.7	443.99			10
0+40	65+65.66 LT.	47.2	443.76			10
0+50	65+59.45 LT.	55.0	443.52	166+42.87 LT.	34.6	10
0+60	65+54.92 LT.	63.9	443.30	166+34.25 LT.	29.6	10
0+70	65+52.25 LT.	73.5	443.40	166+24.81 LT.	26.3	10
0+80			443.62	166+15.05 LT.	24.1	10
0+90			443.84	166+05.22 LT.	22.3	10
1+00			444.01	165+95.34 LT.	20.8	10
1+10			444.14	165+85.41 LT.	19.6	10
1+20			444.21	165+75.45 LT.	18.7	10
1+30			444.28	165+65.46 LT.	18.2	10
1+40			444.34	165+55.47 LT.	18.0	10



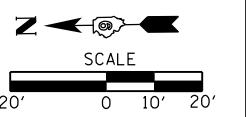
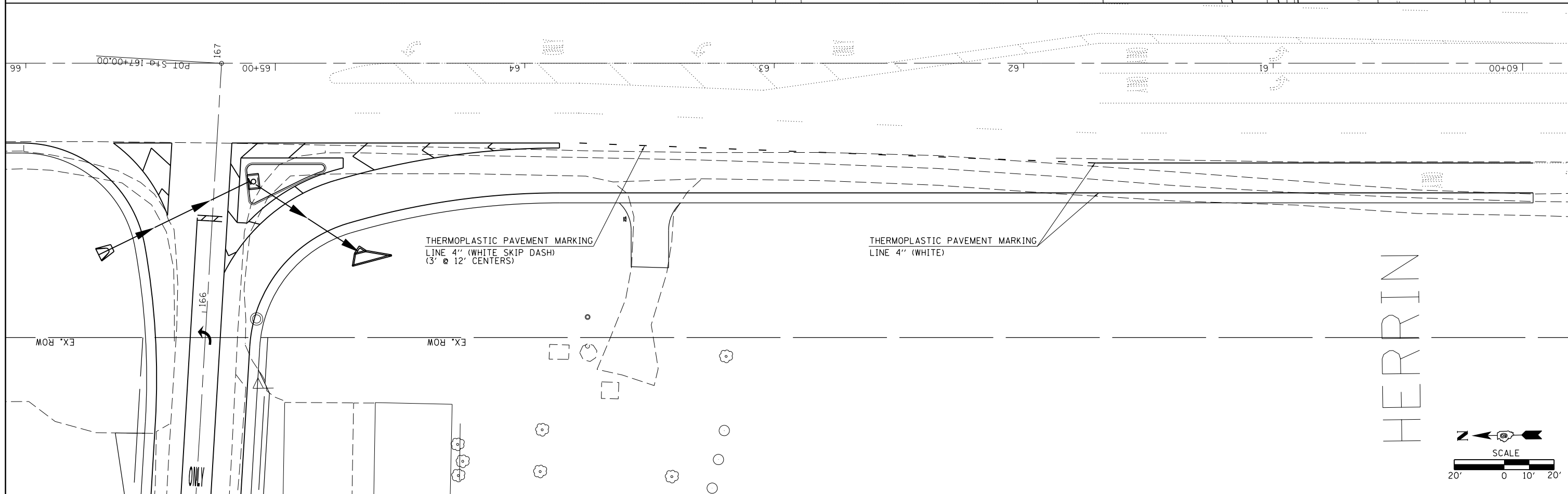
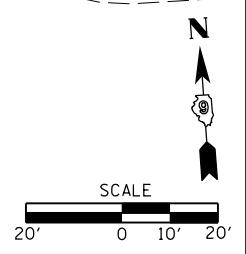
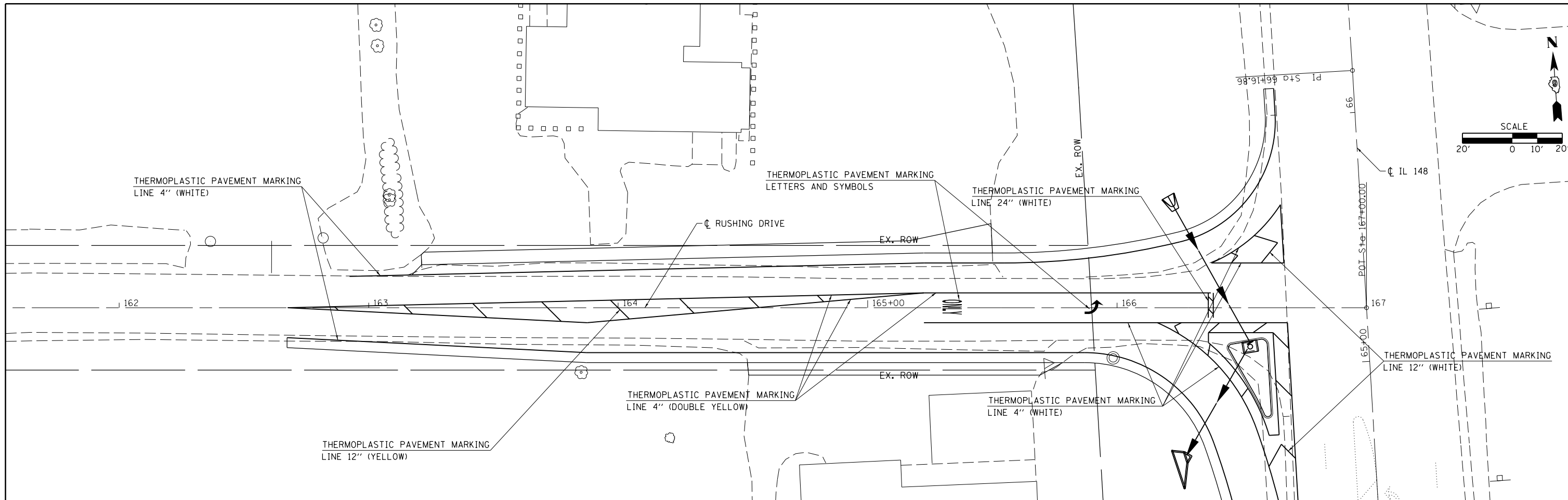


FILE NAME =	USER NAME = susers	DESIGNED -	REVISED -
c:\pwork\pwork\kellykd\0374570\78402-shgt-roadwaydetails.dgn		DRAWN -	REVISED -
PLOT SCALE = 20.0000' / in.		CHECKED -	REVISED -
PLOT DATE = 3/20/2014		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

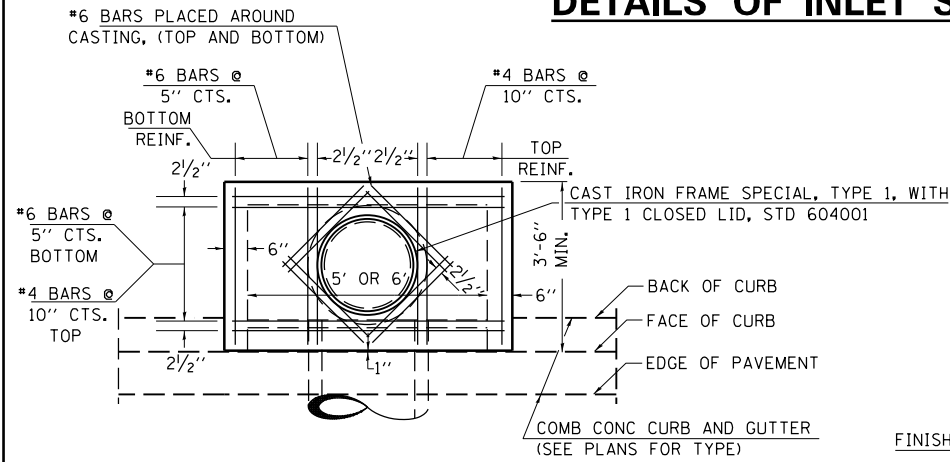
GEOMETRICS SHEET			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
726	(1-2) N-3	WILLIAMSON	50	26
CONTRACT NO. 78402				
ILLINOIS FED. AID PROJECT				



FILE NAME =	USER NAME = \$USERS	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING SHEET			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pw\work\p\midot\k\elleykd\0374570\78402-shgt-roadwaydetails.dgn	PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -					726	(1-2) N-3	WILLIAMSON	50	28
	PLOT DATE = 3/20/2014	CHECKED -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.			CONTRACT NO. 78402				
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

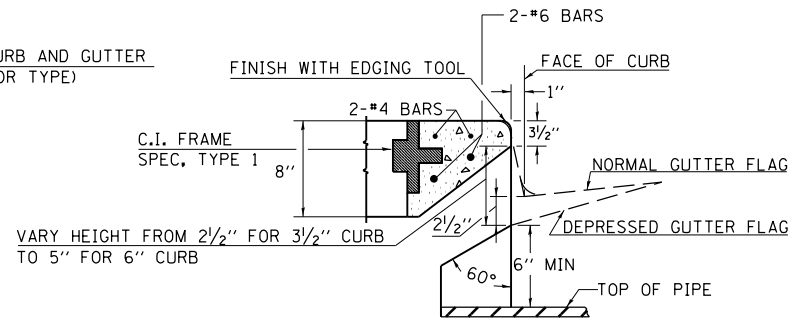
DETAILS OF INLET SPECIAL



PLAN

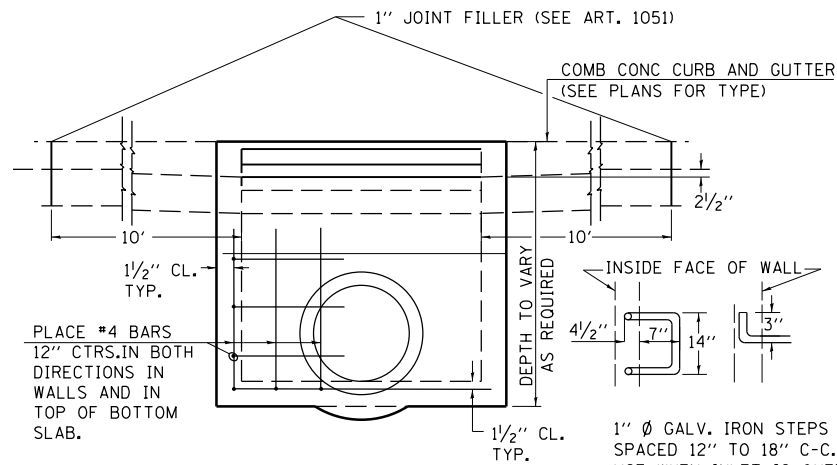
CAST IRON FRAME SPECIAL, TYPE 1, WITH TYPE 1 CLOSED LID, STD 604001

BACK OF CURB
FACE OF CURB
EDGE OF PAVEMENT
COMB CONC CURB AND GUTTER (SEE PLANS FOR TYPE)



SECTION AT WEIR

VARY HEIGHT FROM 2 1/2" FOR 3 1/2" CURB TO 5" FOR 6" CURB



ELEVATION

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

NOTES:

PROVIDE 1/2" CLEARANCE TYP. ALL REINFORCEMENT UNLESS OTHERWISE SPECIFIED.

CLASS SI CONCRETE SHALL BE USED THROUGHOUT. SET FACE OF INLET 1" BEHIND FACE OF CURB. DEPRESS GUTTER FLOWLINE AT INLET 2 1/2" BELOW NORMAL GUTTER FLOWLINE. CONSTRUCT TRANSITION IN FLOWLINE IN 10 FEET EACH SIDE OF INLET. PIPES TO BE CONNECTED TO INLET AS SHOWN ON STORM SEWER LAYOUT.

INLETS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR **INLET, SPECIAL**, WHICH PRICE SHALL INCLUDE THE CAST IRON FRAME, SPECIAL, TYPE 1 WITH TYPE 1 CLOSED LID, THE REINFORCEMENT BARS, METAL STEPS AND JOINT FILLER.

**THE GALVANIZED IRON STEPS AS DETAILED HEREON ARE TYPICAL. STEPS OF OTHER DESIGN AND MATERIAL THAT WILL CONFORM TO THE MINIMUM REQUIREMENTS OF THE STEPS SHOWN, MAY BE USED WHEN APPROVED BY THE ENGINEER.

IF THE INLET IS NOT CAST IN PLACE THEN THE INLET SHALL BE PRODUCED ACCORDING TO THE DEPARTMENT'S CURRENT POLICY MEMORANDUM, "QUALITY CONTROL/QUALITY ASSURANCE PROGRAM FOR PRECAST CONCRETE PRODUCTS".

NOTE TO DESIGNER:

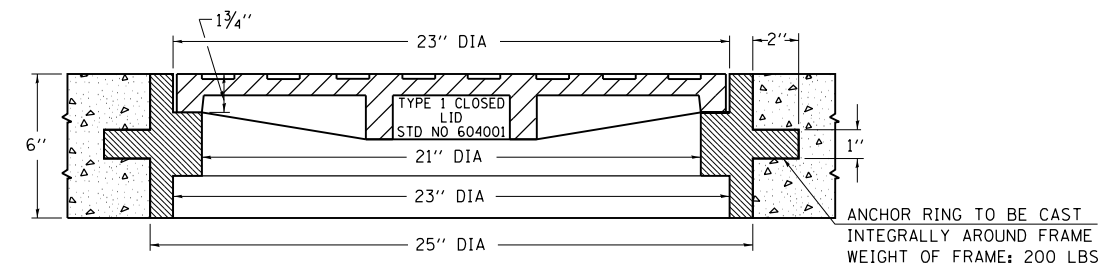
WHEN USING THIS STANDARD THE DESIGNER SHOULD ALSO CHECK BDE SPECIAL PROVISION 419 "PRECAST CONCRETE PRODUCTS".

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

STD. 9-1

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

TYPE 1



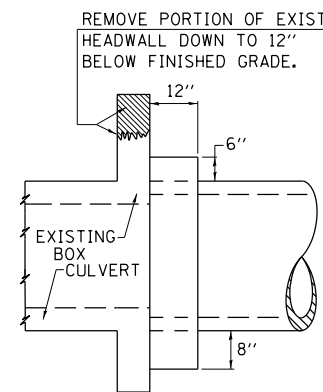
ANCHOR RING TO BE CAST INTEGRALLY AROUND FRAME
WEIGHT OF FRAME: 200 LBS

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

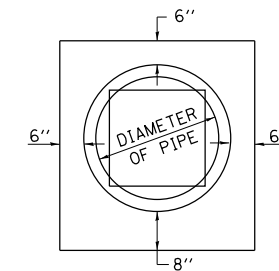
REVISIONS	
REDRAWN	2-15-89
REVISED	12-14-01
REVISED	3-26-08

STD. 9-18

DETAILS OF CONCRETE COLLAR



SIDE VIEW



END VIEW

TABULATION

DIAMETER OF PIPE	CL SI CONC CU YDS EST
12"	0.16
15"	0.19
18"	0.21
24"	0.29
30"	0.37
36"	0.44
42"	0.53
48"	0.62
54"	0.71
60"	0.81
72"	1.03

THE CONCRETE COLLAR SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC YARD FOR **CONCRETE COLLAR**, AS SHOWN ON THE PLANS, WHICH PRICE SHALL INCLUDE THE REMOVAL OF SUCH PORTIONS OF THE EXISTING HEADWALLS AS MAY BE REQUIRED.

CLASS SI CONCRETE SHALL BE USED THROUGHOUT.

REVISIONS	
REDRAWN	2-15-89
REVISED	8-19-94
REVISED	3-25-08

STD. 9-19

FILE NAME =	USER NAME = \$USER\$	DESIGNED -	REVISED -
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PLOT SCALE = 100.0000' / 1"		CHECKED -	REVISED -
PLOT DATE = 3/20/2014		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

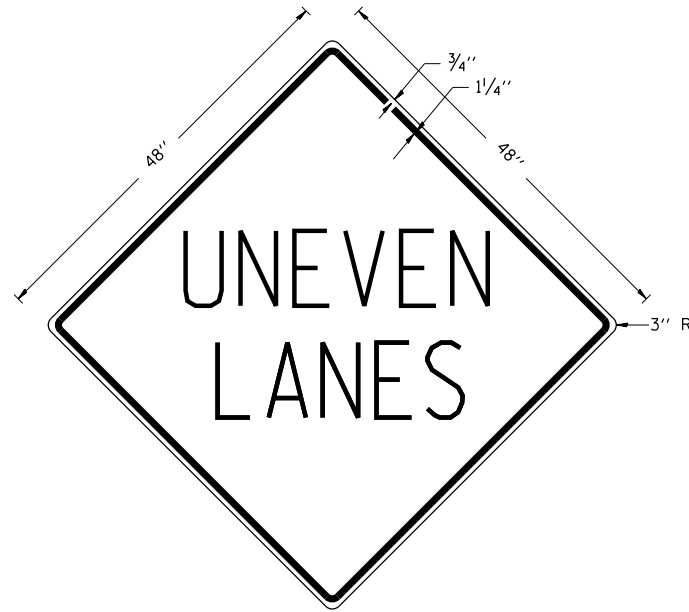
**DETAIL : INLET SPECIAL ; CAST IRON FRAME, SPECIAL,
TYPE 1 WITH TYPE 1 CLOSED LID; CONCRETE COLLAR**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
726	(1-2) N-3	WILLIAMSON	50	29
CONTRACT NO. 78402				
ILLINOIS FED. AID PROJECT				

UNEVEN LANES SIGN

W8-11 (48" x 48")



COLORS:

LEGEND AND BORDER - BLACK NON-REFLECTORIZED
BACKGROUND - ORANGE REFLECTORIZED

NOTE: PRIOR TO ALLOWING TRAFFIC ON ANY PORTION OF THE ROADWAY THAT HAS BEEN COLDMILLED OR BEFORE RESURFACING OPERATIONS BEGIN, THE CONTRACTOR SHALL HAVE ERECTED "UNEVEN PAVEMENT" SIGNS THAT CONFORM TO THE ABOVE DETAILS. A MINIMUM OF ONE SIGN AT EACH END OF THE IMPROVEMENT WILL BE REQUIRED. THE CONTRACTOR SHALL MAINTAIN THE "UNEVEN PAVEMENT" SIGNS UNTIL THE RESURFACING OPERATIONS ARE COMPLETED.

IF AT ANY TIME THE SIGNS ARE IN PLACE BUT NOT APPLICABLE, THEY SHALL BE TURNED FROM THE VIEW OF MOTORISTS OR COVERED AS DIRECTED BY THE ENGINEER.

THE COST OF FURNISHING, ERECTING, MAINTAINING, AND REMOVING THE REQUIRED SIGNS SHALL BE INCLUDED IN THE CONTRACT.

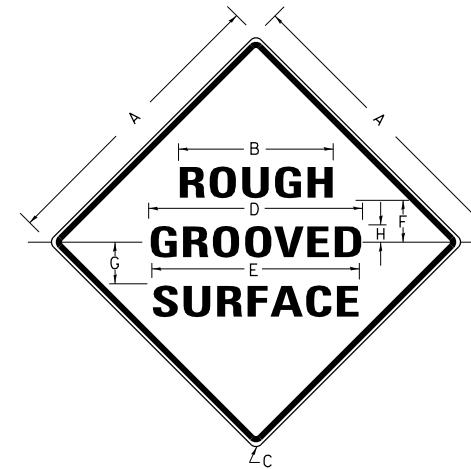
REVISIONS

DRAWN	2-15-89
REVISED	4-06-93
REDESIGNED	7-23-04
RESIZED	5-08-08

STD. 9-41

ILLINOIS STANDARD

W8-I106



COLORS:

LEGEND AND BORDER- BLACK NON-REFLECTORIZED
BACKGROUND- ORANGE REFLECTORIZED

SIGN SIZE	DIMENSIONS							
	A	B	C	D	E	F	G	H
48X48	48.0	24.1	3.0	34.0	33.0	6.0	13.0	3.5

SIGN SIZE	SERIES LINES			MAR GIN	BOR DER	BLANK STD.
	1	2	3			
48X48	7C	7C	7C	0.8	1.2	B4-48D

ALL DIMENSIONS IN INCHES

NOTES:

PRIOR TO ALLOWING TRAFFIC ON ANY PORTION OF THE ROADWAY THAT HAS BEEN COLDMILLED, THE CONTRACTOR SHALL HAVE ERECTED "ROUGH GROOVED SURFACE" SIGNS THAT CONFORM TO THE ABOVE DETAILS. A MINIMUM OF ONE SIGN AT EACH END OF THE IMPROVEMENT WILL BE REQUIRED. THE CONTRACTOR SHALL MAINTAIN THE "ROUGH GROOVED SURFACE" SIGNS UNTIL THE COLDMILLED SURFACE IS COVERED WITH LEVELING BINDER OR SURFACE COURSE.

IF AT ANY TIME THE SIGNS ARE IN PLACE BUT NOT APPLICABLE, THEY SHALL BE TURNED FROM THE VIEW OF MOTORISTS OR COVERED AS DIRECTED BY THE ENGINEER.

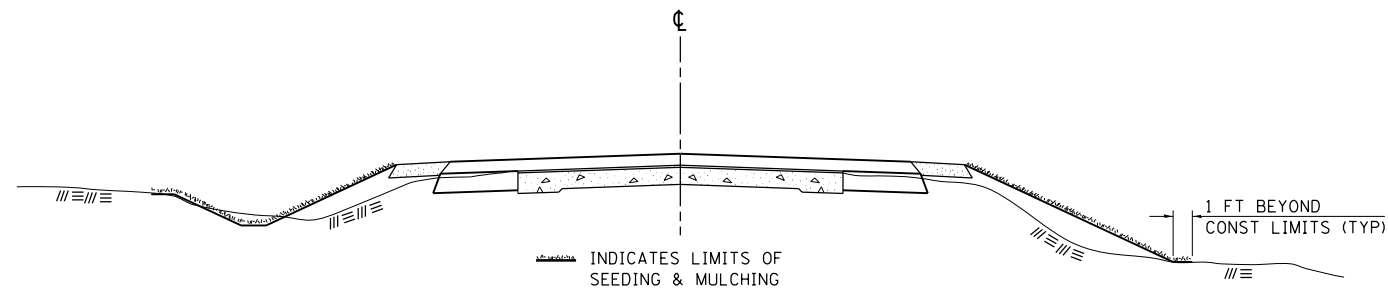
THE COST OF FURNISHING, ERECTING, MAINTAINING, AND REMOVING THE REQUIRED SIGNS SHALL BE INCLUDED IN THE CONTRACT.

REVISIONS

REDRAWN	2-15-89
REVISED	4-6-93
REVISED	3-27-08
REVISED	

STD. 9-39

SEEDING & MULCHING



GENERAL NOTES

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

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

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

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

REVISIONS

REDRAWN	2-15-89
REVISED	8-15-94
REVISED	6-3-99
REVISED	3-27-08

STD. 9-12

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PLOT DATE = 3/28/2014		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

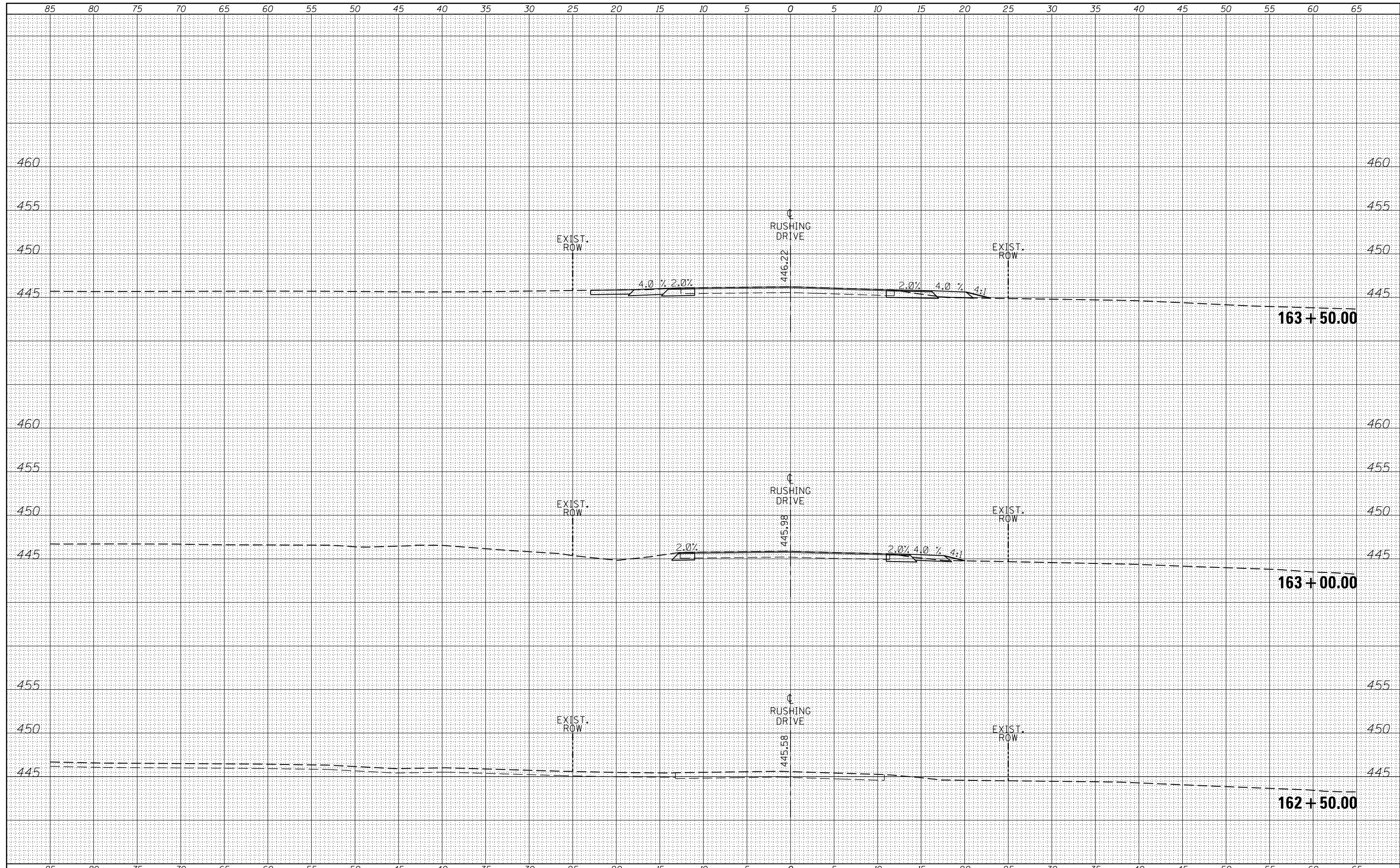
DETAIL: UNEVEN LANES; ROUGH GROOVED SURFACE;
SEEDING AND MULCHING

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
726	(1-2) N-3	WILLIAMSON	50	30
CONTRACT NO. 78402				
ILLINOIS FED. AID PROJECT				

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

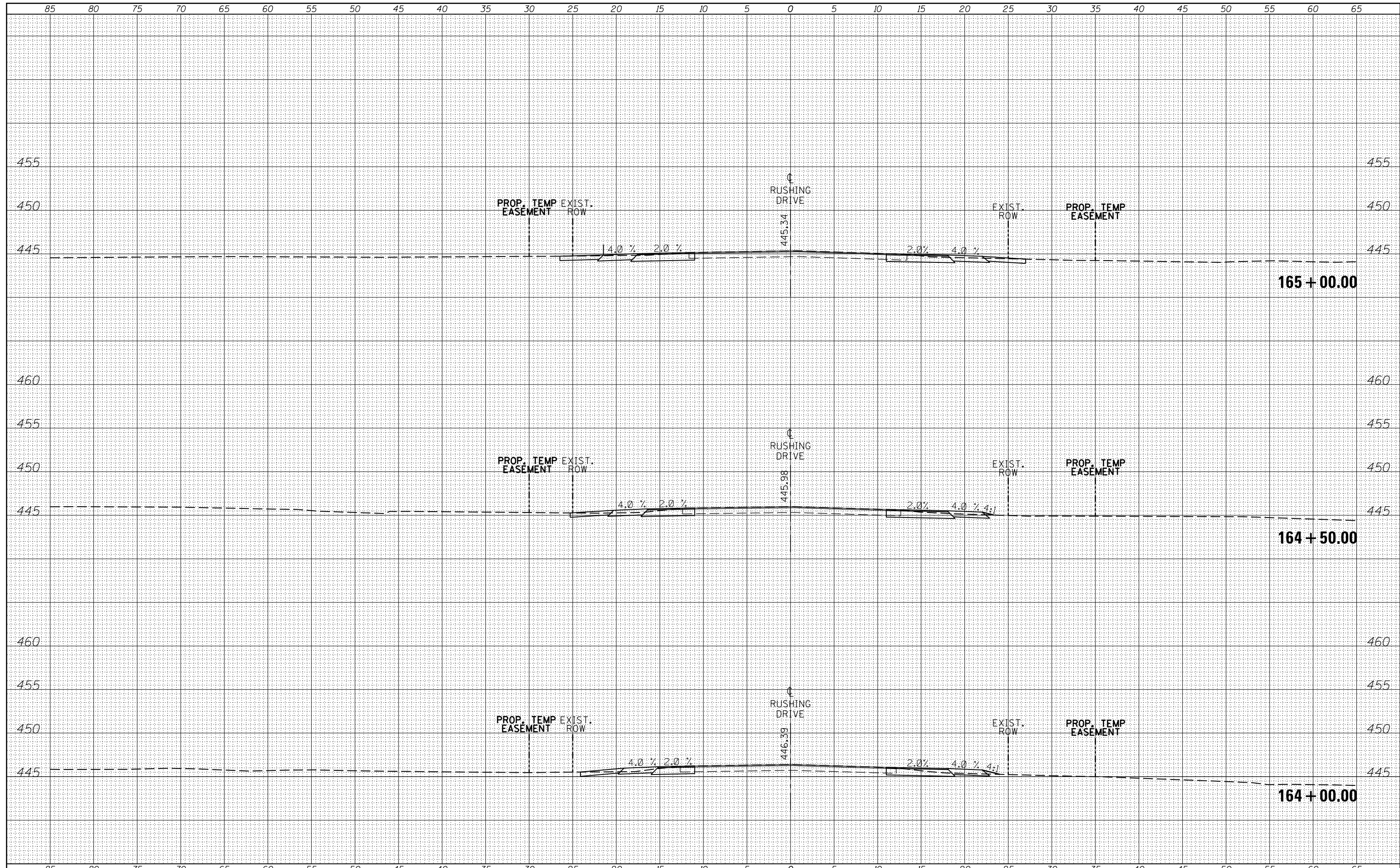
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SURVEYED	
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TEMPLATE	
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ORIGINAL SURVEY	
NOTE BOOK	
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c:\pw_work\pwidot\pufferae\d0374570\78402-sh\sections.dgn		DRAWN -	REVISÉD -		726	(1-2) N-3	WILLIAMSON	50	31		
PLOT SCALE = 10.0000' / in.		CHECKED -	REVISÉD -		SCALE:		SHEET OF SHEETS		STA. 162+50.00 TO STA. 163+50.00	ILLINOIS FED. AID PROJECT	
\$MODELNAME\$		DATE -	REVISÉD -						CONTRACT NO. 78402		

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
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FINAL SURVEY	
NOTE BOOK	
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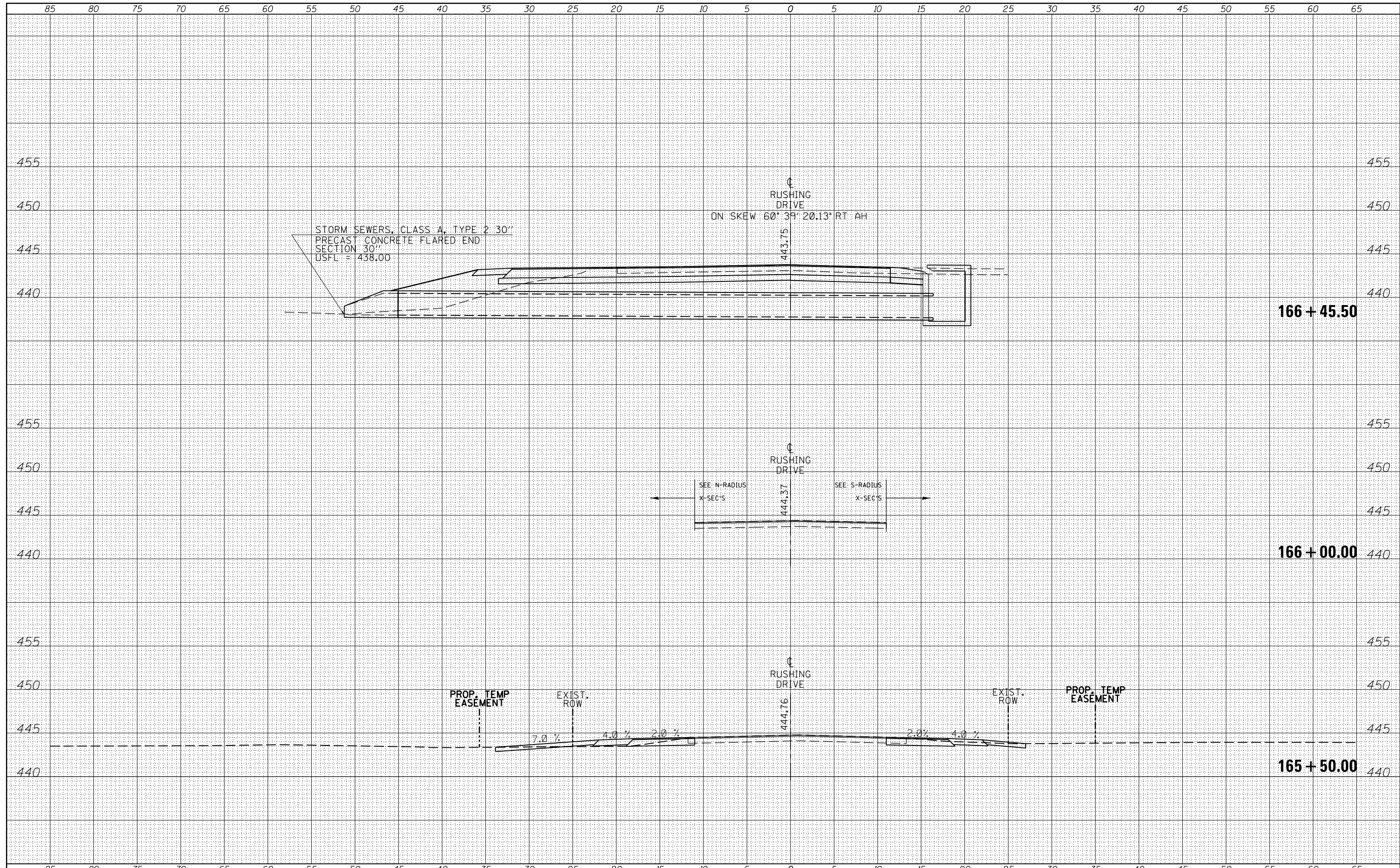
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PLOTTED	
TEMPLATE	
AREAS	
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ORIGINAL SURVEY	
NOTE BOOK	
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PLOT SCALE = 10.0000' / in.		CHECKED -	REVISIED -		SCALE: SHEET OF SHEETS STA. 164+00.00 TO STA. 165+00.00		CONTRACT NO. 78402		ILLINOIS FED. AID PROJECT		
\$MODELNAME\$		DATE -	REVISIED -								

DATE	
BY	
FINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
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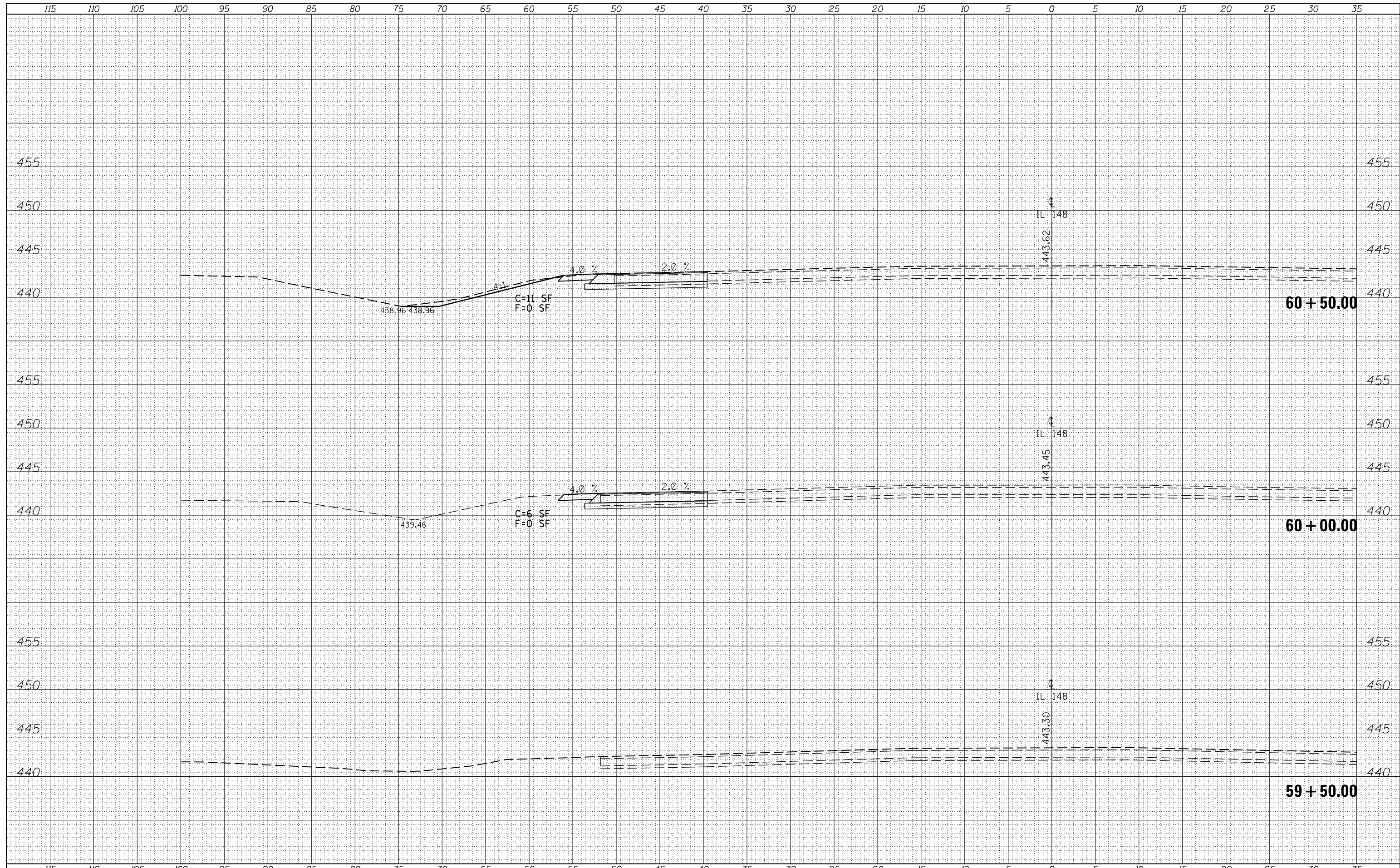
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PLOT SCALE = 10.0000' / in.		CHECKED -	REVISÉD -		SCALE:		SHEET OF SHEETS		STA. 165+50.00 TO STA. 166+45.50	CONTRACT NO. 78402	ILLINOIS FED. AID PROJECT
\$MODELNAME\$		DATE -	REVISÉD -								

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NOTE BOOK	
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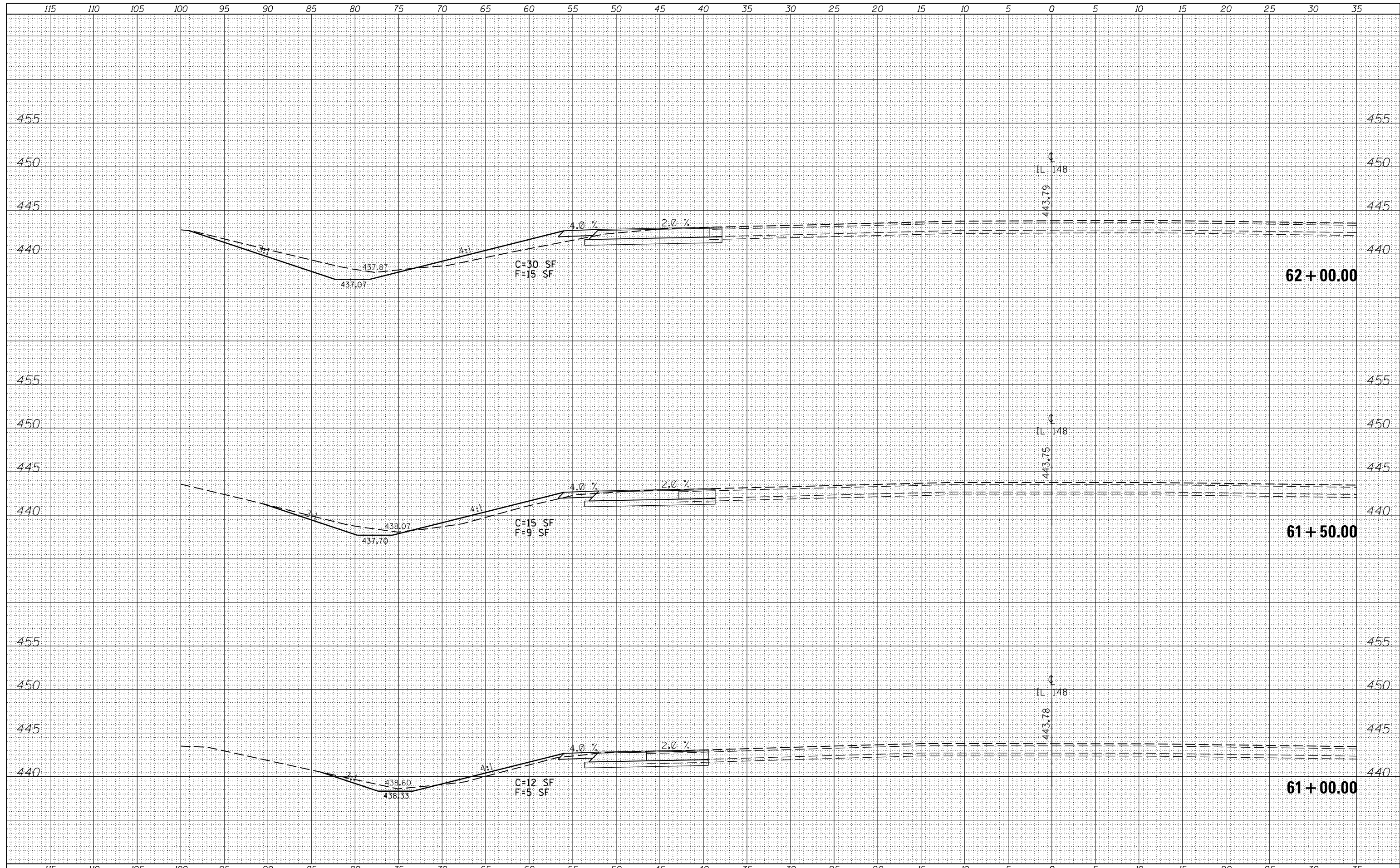
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PLOTTED	
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ORIGINAL SURVEY	
NOTE BOOK	
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		CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. 59+50.00 TO STA. 60+50.00		CONTRACT NO. 78402		ILLINOIS FED. AID PROJECT		
\$MODELNAME\$		DATE -	REVISED -								

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

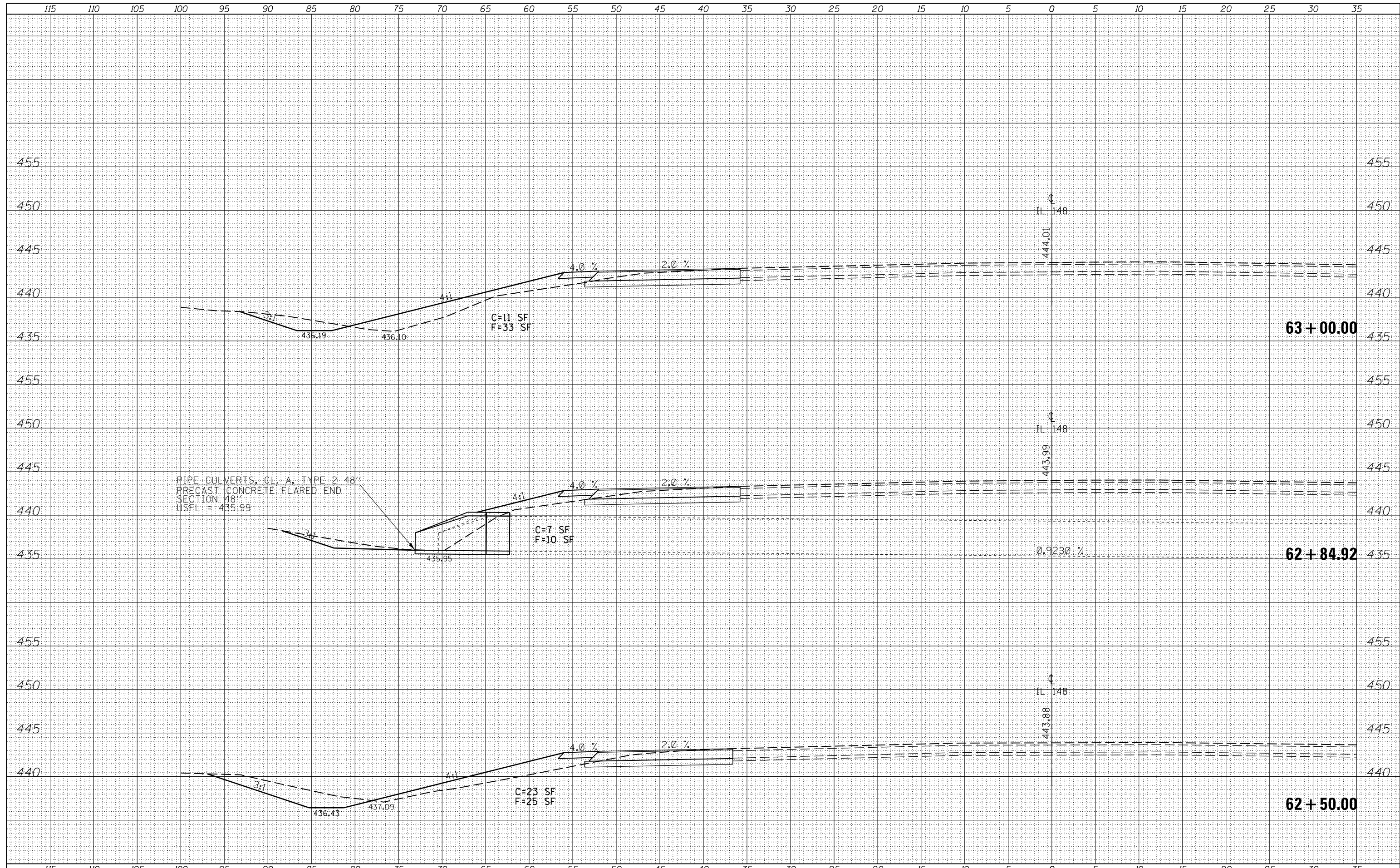
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PLOTTED	
TEMPLATE	
AREAS	
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ORIGINAL SURVEY	
NOTE BOOK	
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FILE NAME =	USER NAME = \$USERS	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS - IL 148	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
es:\pw_work\pwidot\kellykd\0374570\78402-sh\sections.dgn		DRAWN -	REVISED -			726	(1-2) N-3	WILLIAMSON	50	36	
		CHECKED -	REVISED -			CONTRACT NO. 78402		ILLINOIS FED. AID PROJECT			
\$MODELNAME\$		DATE -	REVISED -			SCALE:	SHEET OF SHEETS	STA. 61+00.00 TO STA. 62+00.00			

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

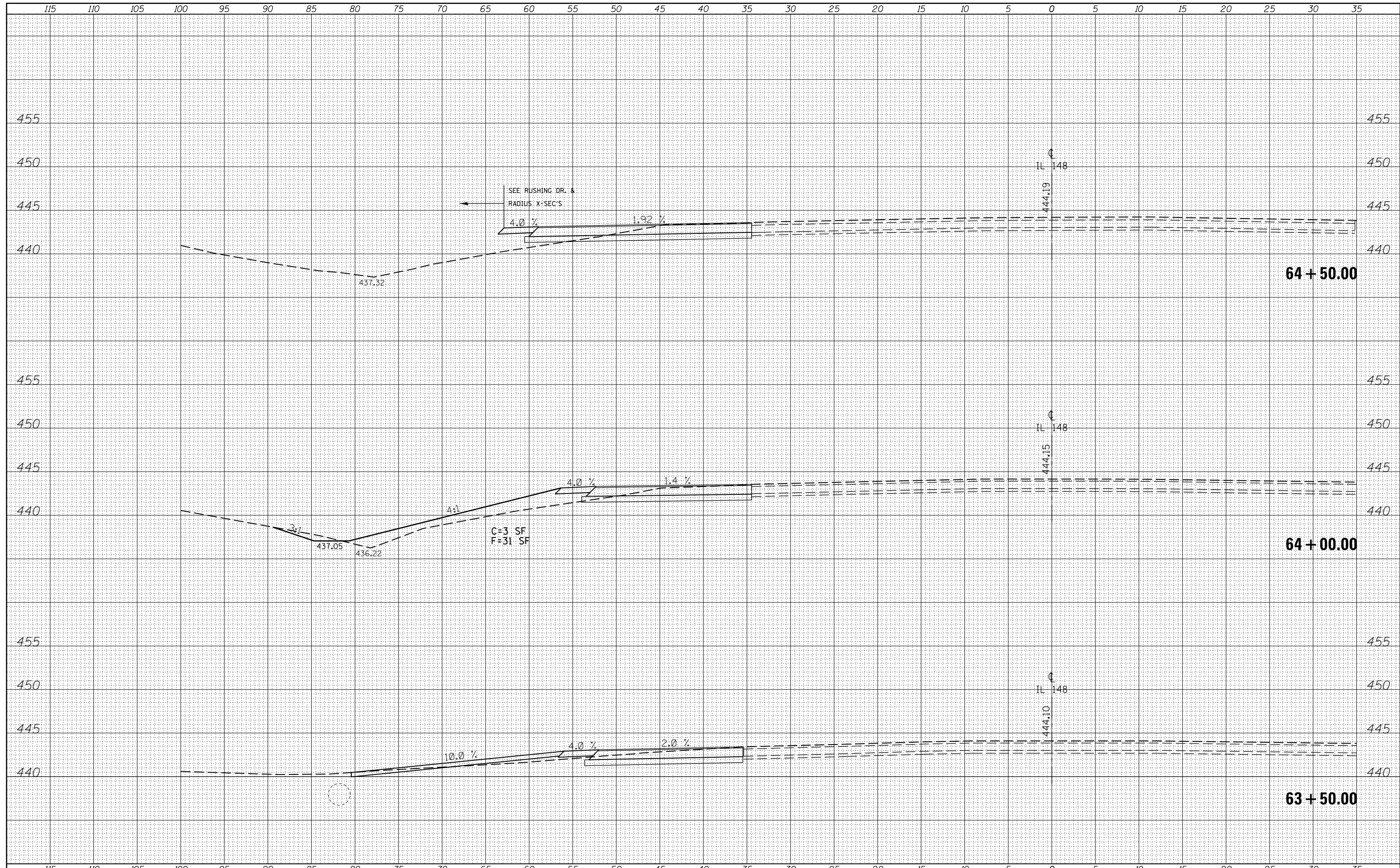
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AREAS	
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NOTE BOOK NO.	
AREAS CHECKED	



FILE NAME =	USER NAME = susers	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS - IL 148		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca:\pw_work\pwidot\kellykd\0374570\78402-sh1\sections.dgn		DRAWN -	REVISED -		726	(1-2) N-3	WILLIAMSON	50	37		
PLOT SCALE = 10.0000' / in.		CHECKED -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA. 62+50.00	TO STA. 63+00.00	CONTRACT NO. 78402
MODELNAME		DATE -	REVISED -		ILLINOIS FED. AID PROJECT						

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
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FINAL SURVEY NOTE BOOK NO.	

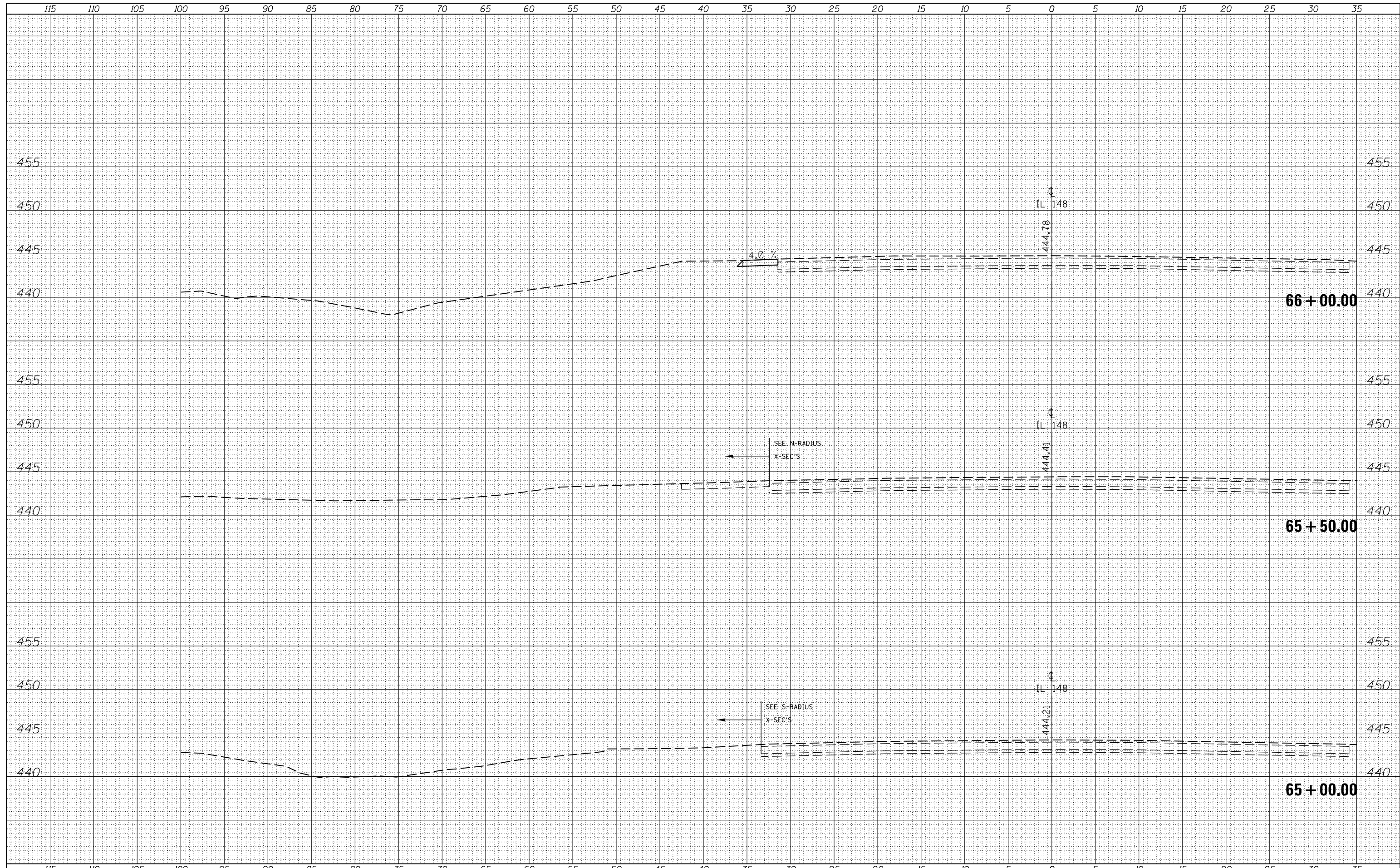
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es:\pw_work\pwidot\kellykd\0374570\78402-sh\sections.dgn		DRAWN -	REVISED -				726	(1-2) N-3	WILLIAMSON	50	38	
		CHECKED -	REVISED -		SCALE:		SHEET OF SHEETS		STA. 63+50.00 TO STA. 64+50.00		CONTRACT NO. 78402	
\$MODELNAME\$		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

DATE	
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FINAL SURVEY NOTE BOOK NO.	

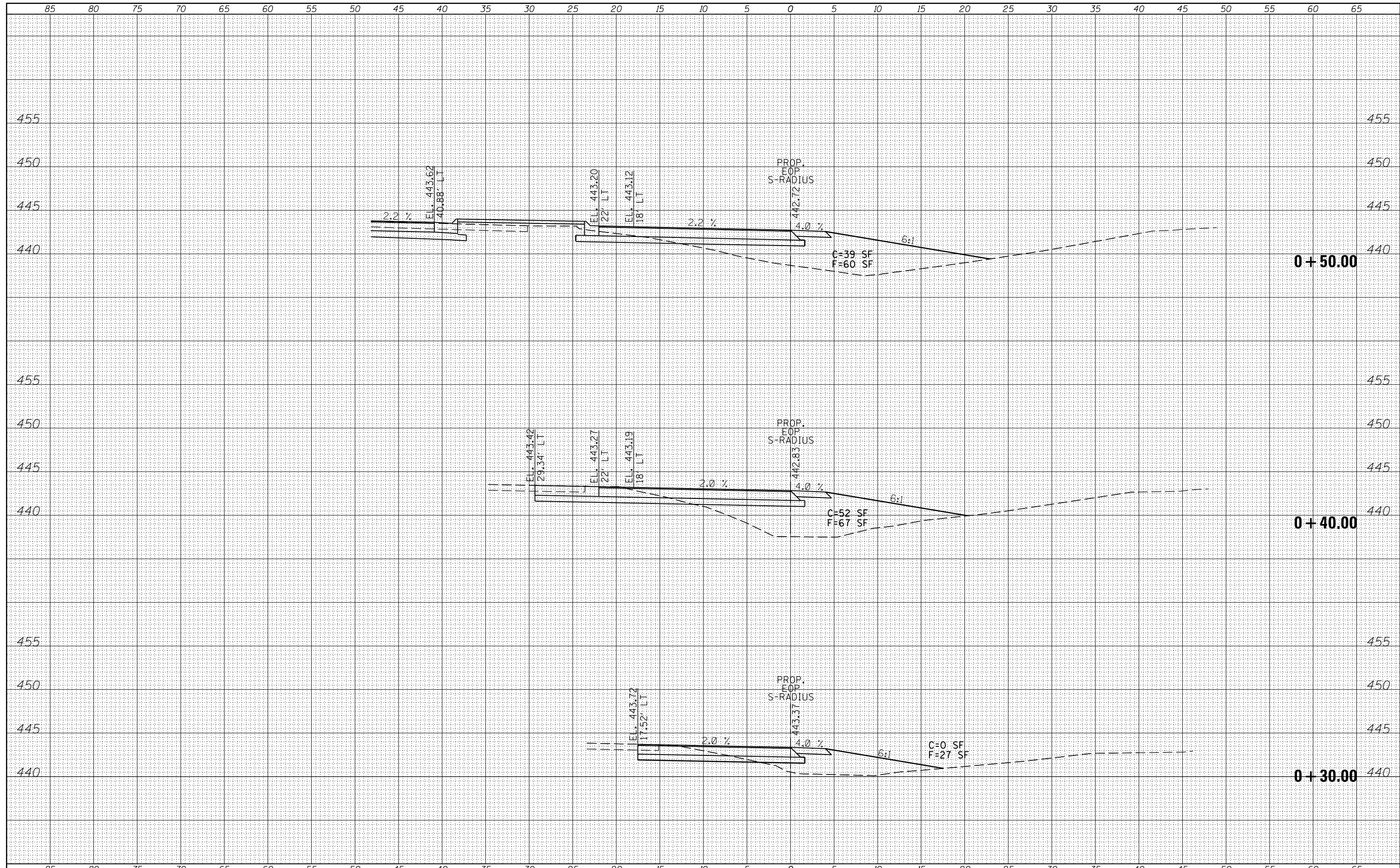
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ORIGINAL SURVEY NOTE BOOK NO.	



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ca:\pw_work\pwidot\kellykd\0374570\78402-sh1\crosssections.dgn		DRAWN -	REVISED -		726	(1-2) N-3	WILLIAMSON	50	39			
		CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. 65+00.00 TO STA. 66+00.00			CONTRACT NO. 78402				
MODELNAME		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

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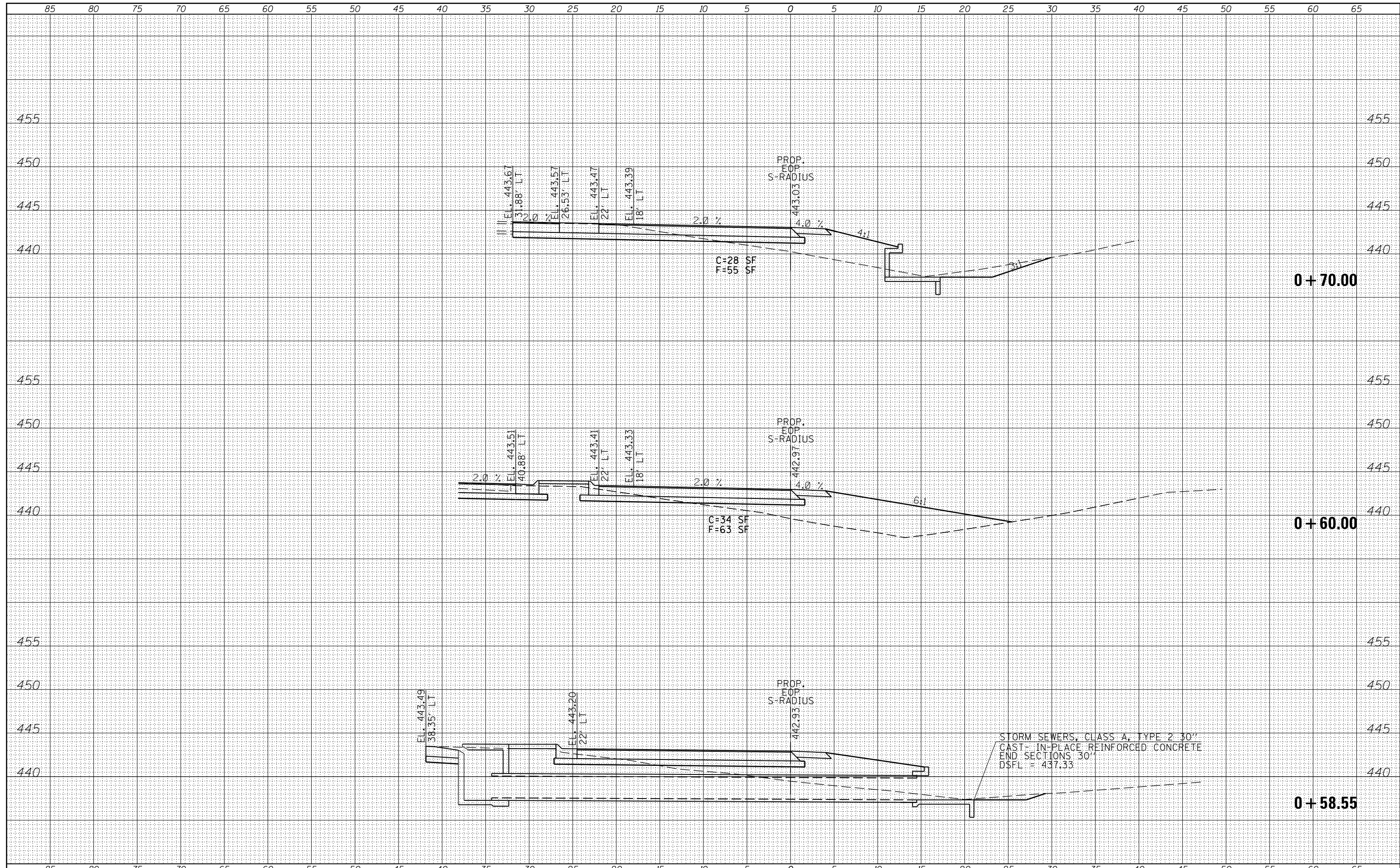
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NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED



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es:\pw_work\pwidot\kellykd\0374570\78402-sh\sections.dgn		DRAWN -	REVISED -					726	(1-2) N-3	WILLIAMSON	50	41
PLOT SCALE = 10.0000' / in.		CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. +30.00 TO STA. +50.00			CONTRACT NO. 78402				
\$MODELNAME\$		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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	AREAS
	CHECKED

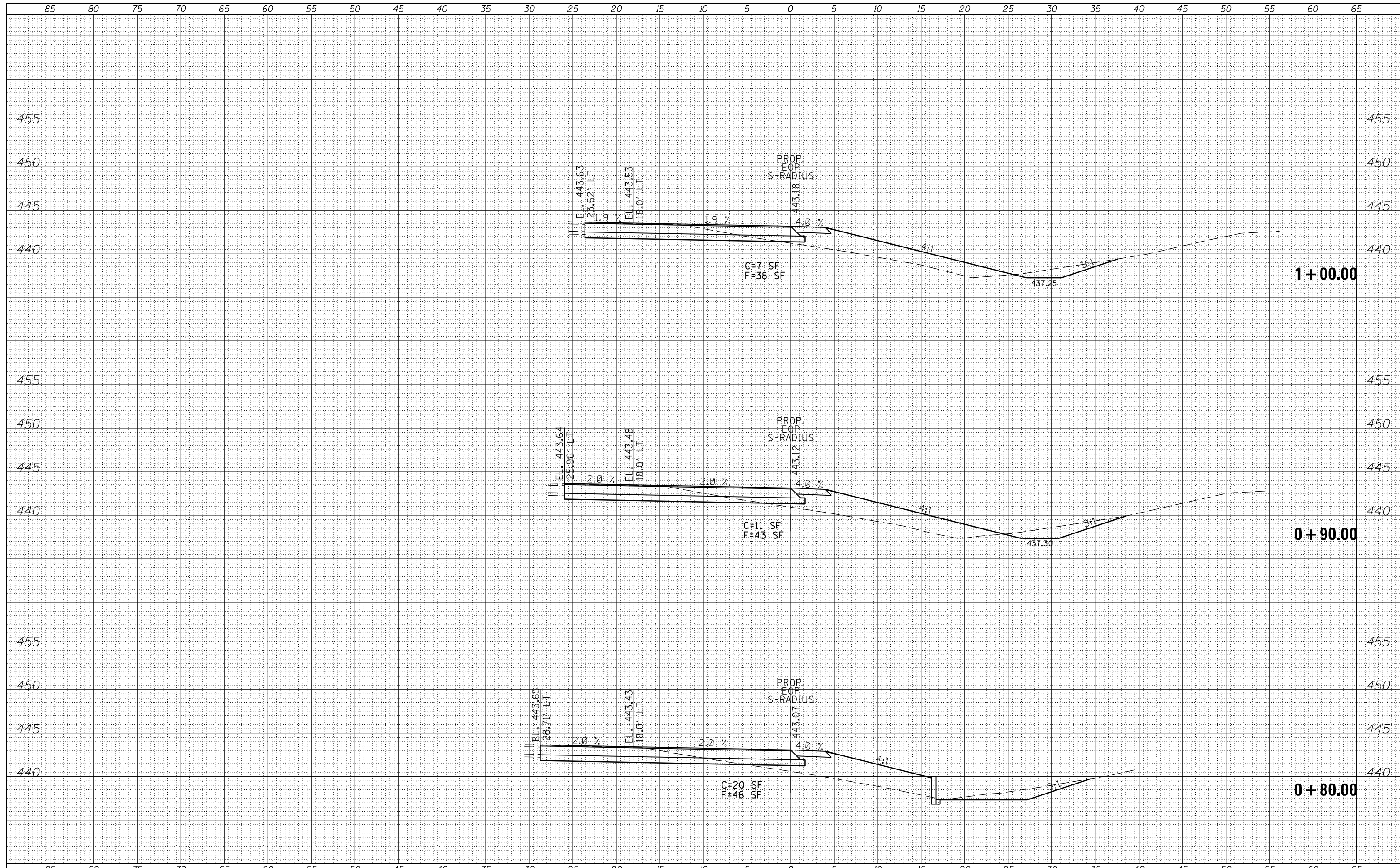
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NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED



FILE NAME =	USER NAME = \$USERS	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS - SOUTH RADIUS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
es:\pw_work\pwidot\kellykd\0374570\78402-sh.tj	xsections.dgn	DRAWN -	REVISED -					726	(1-2) N-3	WILLIAMSON	50	42
		CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. +58.55 TO STA. +70.00			CONTRACT NO. 78402				
\$MODELNAME\$	PLT DATE = 3/20/2014	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

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

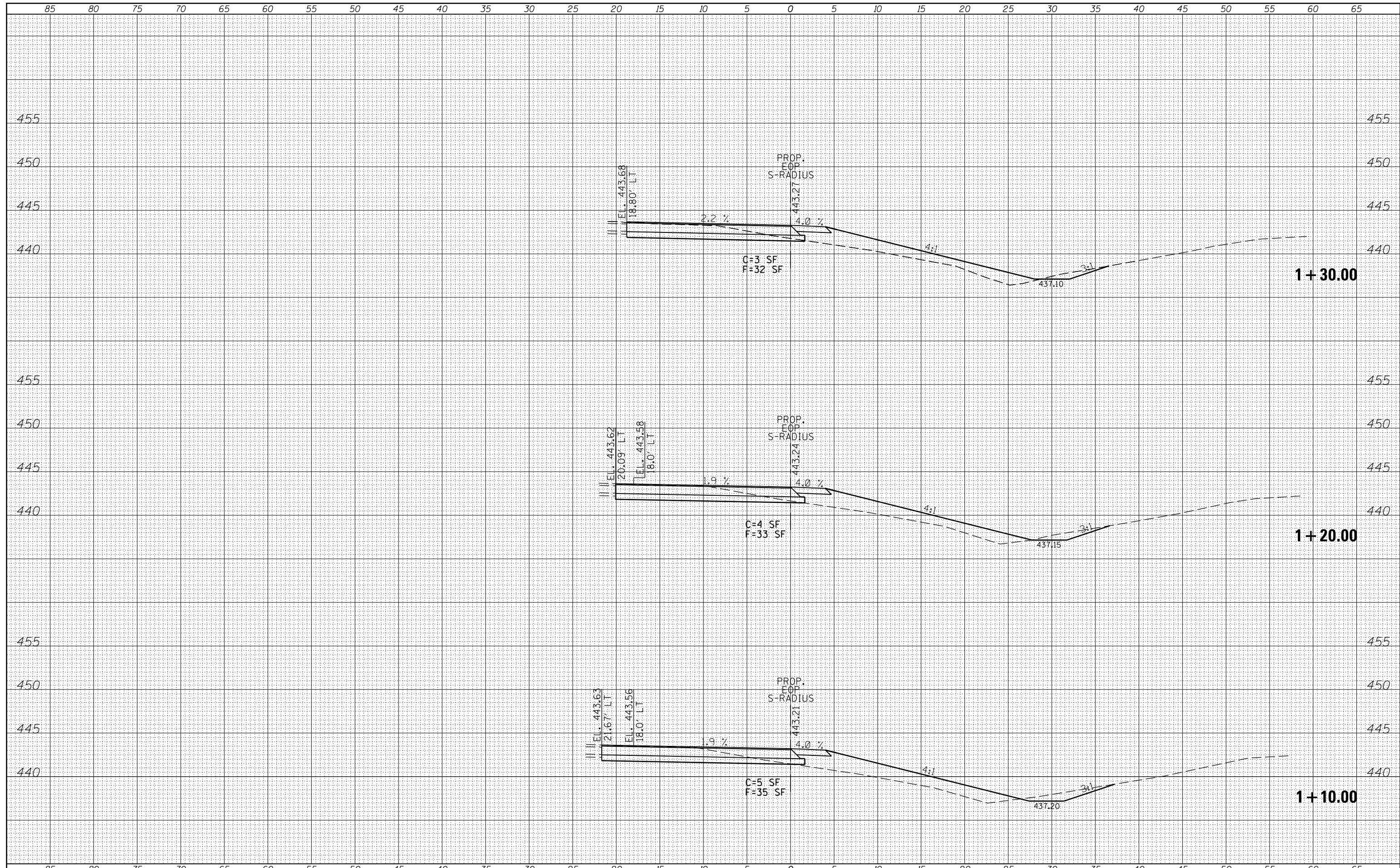
DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED



FILE NAME =	USER NAME = susers	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS - SOUTH RADIUS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
es:\pw_work\pwidot\kellykd\0374570\78402-sh\sections.dgn		DRAWN -	REVISED -					726	(1-2) N-3	WILLIAMSON	50	43
PLOT SCALE = 10.0000' / in.		CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. +80.00 TO STA.1+00.00			CONTRACT NO. 78402				
MODELNAME		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

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

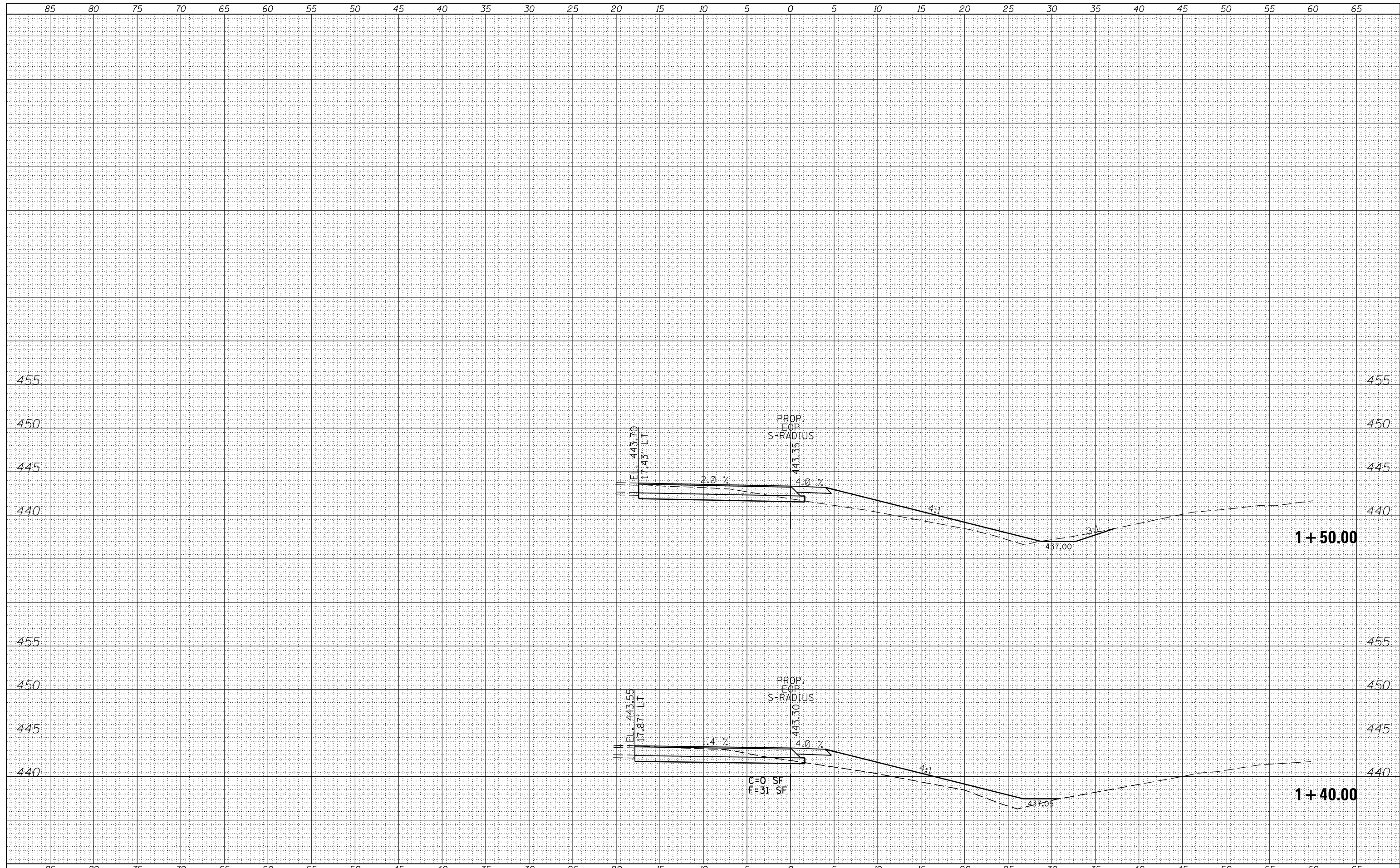
DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED



FILE NAME =	USER NAME = \$USERS	DESIGNED -	REVISIED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS - SOUTH RADIUS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
es:\pw_work\pwidot\kellykd\0374570\78402-sh.t	xsections.dgn	DRAWN -	REVISIED -		726	(1-2) N-3	WILLIAMSON	50	44		
PLOT SCALE = 10.0000' / in.	CHECKED -	REVISIED -	CONTRACT NO. 78402								
\$MODELNAME\$	DATE = 3/20/2014	DATE -	REVISIED -		SCALE:	SHEET	OF	SHEETS	STA. 1+10.00	TO STA. 1+30.00	ILLINOIS FED. AID PROJECT

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

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



FILE NAME =	USER NAME = \$USERS	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS - SOUTH RADIUS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca:\pw_work\pwidot\kellykd\0374570\78402-sh1\sections.dgn		DRAWN -	REVISED -				726	(1-2) N-3	WILLIAMSON	50	45
		CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. 1+40.00 TO STA. 1+50.00		CONTRACT NO. 78402		ILLINOIS FED. AID PROJECT		
\$MODELNAME\$		DATE -	REVISED -								

