

F.A.U. ROUTE	MUNICIPAL SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
041	09-00110-00-PV	McHENRY	22	1
COVER SHEET				
F.H.W.A. REG.5 ILLINOIS PROJECT				

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS PLANS FOR PROPOSED FEDERAL AID HIGHWAY

F.A.U. RTE 041 RAFFEL ROAD RECONSTRUCTION

IL RTE 120 TO BANFORD ROAD SECTION 09-00110-00-PV PROJECT NO. ARA-9003(445) JOB NO. C-91-905-09 CITY OF WOODSTOCK McHENRY COUNTY

INDEX TO SHEETS

SHEET NO.	DESCRIPTION
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21	SPECIAL DETAILS
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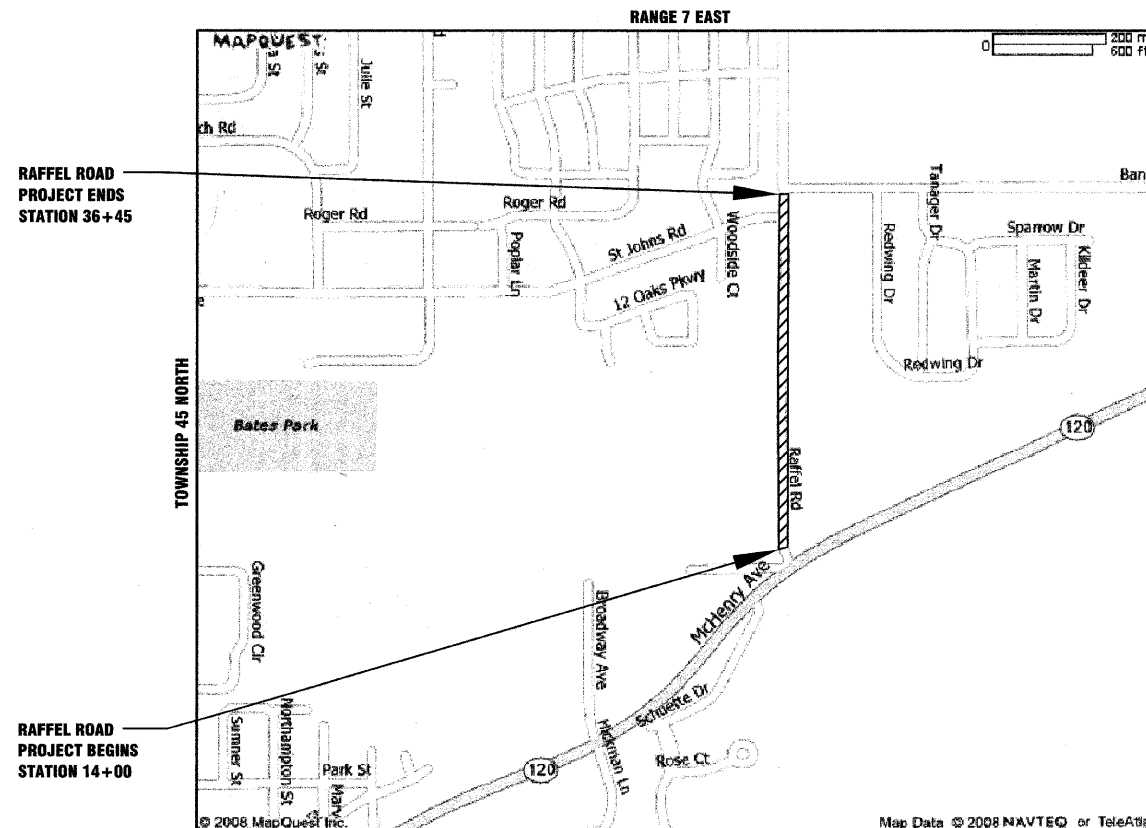
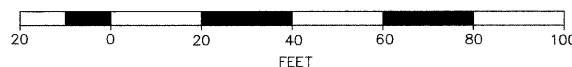
STATE STANDARDS

000001-05	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-04	TEMPORARY EROSION CONTROL SYSTEMS
601101-01	CONCRETE HEADWALL FOR PIPE DRAIN
606001-04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701501-05	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701901-01	TRAFFIC CONTROL DEVICES
780001-02	TYPICAL PAVEMENT MARKINGS

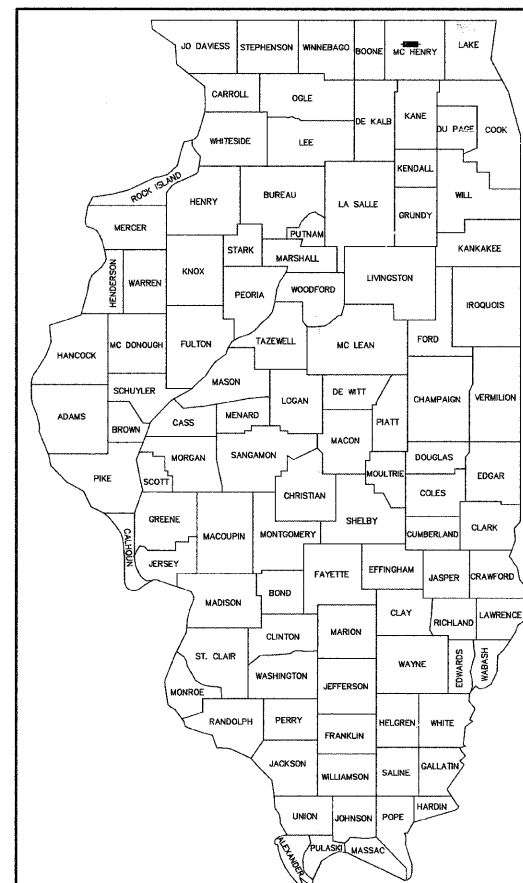
CITY STANDARDS - INCLUDED IN PROPOSAL BOOKLET

FRAMES AND GRATES
 CASTING ADJUSTMENTS FOR STRUCTURES IN PAVED AREAS
 CASTING ADJUSTMENTS FOR STRUCTURES WITHIN THE CURB LINE

GRAPHIC SCALE



LOCATION MAP
 APPROXIMATE SCALE = NTS
 GROSS AND NET LENGTH OF PROJECT = 2245 LF (0.425 MILE)



LOCATION OF SECTION INDICATED THIS: — ■

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

APPROVED 8-7 2009

J. L. Bill
 CITY OF WOODSTOCK

PASSED AUGUST 31 2009

C. H. H. Christopher
 DISTRICT 1 ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR BID
 BASED ON LIMITED

REVIEW SEPTEMBER 1, 2009

Diane M. O'Keefe
 DEPUTY DIRECTOR OF HIGHWAYS REGION 1 ENGINEER



ADT = 3916 (2009)
 POSTED SPEED LIMIT = 35
 DESIGN SPEED 50
 CONTRACT NO. 63283

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

DATE: 08/07/2009



EXPIRES: 11/2009

HAMPTON, LENZINI AND RENWICK, INC.
 CIVIL ENGINEERS • STRUCTURAL ENGINEERS • LAND SURVEYORS
 380 SHEPARD DRIVE
 ELGIN, ILLINOIS 60123
 847.697.6700 www.hlrengineering.com

184.000859
 ILLINOIS PROFESSIONAL DESIGN FIRM & STRUCTURAL ENGINEERING CORP.

PROJECT NUMBER: 07.0110 DATE: 08/07/2009

ASSOCIATE FIELD ENGINEER: KEVIN STALLWORTH 847-705-4169

GENERAL NOTES

SPECIFICATIONS, STANDARDS, AND SPECIAL PROVISIONS

ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION," ADOPTED JANUARY 1, 2007 (HEREINAFTER REFERRED TO AS THE STANDARD SPECIFICATIONS); THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS," ADOPTED JANUARY 1, 2009; THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS"; THE "STANDARD SPECIFICATIONS FOR WATER & SEWER MAIN CONSTRUCTION IN ILLINOIS", FIFTH EDITION; THE DETAILS IN THE PLANS; AND THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS.

ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED AS THE LATEST STANDARD OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

ALL TRAFFIC CONTROL AND OTHER ADVISORY SIGNS NEEDED FOR CONSTRUCTION ARE TO BE FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH ARTICLE 107.14 OF THE STANDARD SPECIFICATIONS.

THE CONTRACTOR SHALL AT ALL TIMES PROVIDE PROTECTION FOR TRAFFIC AS CALLED FOR IN THE APPLICATION OF TRAFFIC CONTROL DEVICES, THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE PLANS.

UTILITIES

THE CONTRACTOR SHALL COOPERATE WITH THE CITY IF ANY UTILITY IMPROVEMENTS ARE REQUIRED BY THE CITY WITHIN THE DURATION OF THE CONTRACT.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF ALL UTILITIES PRIOR TO CONSTRUCTION TO DETERMINE THE LOCATION OF ALL UTILITY EQUIPMENT. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY OWNERS AS PROVIDED FOR IN THE STANDARD SPECIFICATIONS IF UTILITY RELOCATION, ADJUSTMENT, OR PROTECTION IS NECESSARY.

THE LOCATION OF EXISTING DRAINAGE STRUCTURES, STORM SEWERS, WATER MAINS, SANITARY SEWERS, AND ANY OTHER PUBLIC OR PRIVATE UTILITIES AS SHOWN ON THE PLANS IS APPROXIMATE, AND THEIR EXACT LOCATION IS TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND AND SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER. THIS WORK SHALL BE ARRANGED BY THE UTILITY COMPANY AND SHALL BE AT THE CONTRACTOR'S EXPENSE.

STAKING

THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS, PROPERTY CORNERS, AND REFERENCE MARKERS UNTIL THE OWNER, HIS AGENT, OR AN AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS.

STRUCTURE OFFSET LOCATIONS GIVEN ON THE DETAILED PLANS ARE TO THE FOLLOWING POINTS: A) FOR STRUCTURES FALLING IN THE CURB LINE--TO THE BACK OF CURB; B) FOR ALL OTHER STRUCTURES--TO THE CENTER OF THE STRUCTURE.

ALL ELEVATIONS ARE ON U.S.G.S. DATUM.

ALL OFFSET LOCATIONS GIVEN ON THE DETAILED PLANS FOR STRUCTURES, BACKS OF CURB, ETC. ARE FROM THE CENTERLINE AS SHOWN ON THE PLANS.

SEWERS AND WATER MAINS

ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES WHICH OBSTRUCTS THE NATURAL FLOW OF WATER SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT.

WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN IN AN OPERATING CONDITION TEMPORARY OUTLETS AND CONNECTIONS FOR ALL DRAINS, SEWERS, AND CATCH BASINS. THE CONTRACTOR SHALL PROVIDE FACILITIES WHICH HAVE THE CAPACITY TO RECEIVE AND DISCHARGE THE STORM WATER FLOW RATES NORMALLY ACCEPTED AND RELEASED BY EXISTING DRAINAGE FACILITIES. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT, UNLESS OTHERWISE NOTED IN THE PLANS.

THE CONTRACTOR SHALL NOTIFY THE CITY OF WOODSTOCK PUBLIC WORKS DEPARTMENT ONE WEEK IN ADVANCE OF ALL WATER MAIN SHUT DOWNS. UNDER NO CIRCUMSTANCE SHALL THE CONTRACTOR OPERATE ANY VALVES OR HYDRANTS.

SIGNS

PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR, ENGINEER AND CITY MAINTENANCE PERSONNEL SHALL INVENTORY THE LOCATION, SIZE, TYPE AND CONDITION OF ALL EXISTING SIGNS. ANY SIGN DAMAGED DURING CONSTRUCTION OR STORAGE SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE IN ACCORDANCE WITH ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS.

THE CONTRACTOR WILL BE REQUIRED TO RELOCATE OR REMOVE AND REPLACE SIGNS WHICH INTERFERE WITH HIS CONSTRUCTION OPERATIONS AND TO TEMPORARILY RESET ALL SUCH SIGNS DURING CONSTRUCTION OPERATIONS. THIS WORK WILL BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT.

ALL WORK INVOLVING SIGNS SHALL BE GOVERNED BY THE FOLLOWING REQUIREMENTS:

1. SIGNS SHALL NOT BE MOVED UNTIL PROGRESS OF WORK NECESSITATES IT.
2. EVERY SIGN REMOVED MUST BE RE-ERECTED AT A TEMPORARY LOCATION IN A WORKMANLIKE MANNER AND BE VISIBLE TO TRAFFIC FOR WHICH IT IS INTENDED. ALL SUCH SIGNS MUST BE MAINTAINED STRAIGHT AND CLEAN FOR THE DURATION OF THE TEMPORARY SETTING.
3. ALL SIGNS SHALL BE RE-ERECTED IN PERMANENT LOCATIONS AS THE ROADWAY IS COMPLETED. HORIZONTAL LOCATION FROM THE EDGE OF PAVEMENT SHALL BE AS DESIGNATED BY THE ENGINEER.
4. ALL UNUSED SIGNS WILL BE RETURNED TO THE CITY OR STATE, AS APPLICABLE.
5. LONGER POSTS MAY BE REQUIRED AT SOME TEMPORARY OR PERMANENT SIGN LOCATIONS TO MAINTAIN PROPER SIGN ELEVATIONS.

MISCELLANEOUS

THE CONTRACTOR SHALL MAINTAIN EXISTING SIDE STREET ACCESS, EXISTING DRIVEWAY ACCESS, AND PEDESTRIAN ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING CONSTRUCTION OF THE PROJECT. THIS ITEM SHALL BE INCLUDED IN THE ITEM "AGGREGATE FOR TEMPORARY ACCESS".

SAWING OF REMOVAL ITEMS AS NOTED ON THE PLANS, SPECIFIED IN THE STANDARD SPECIFICATIONS, OR AS REQUIRED BY THE ENGINEER SHALL BE INCLUDED IN THE COST OF THE ITEM BEING REMOVED.

AT ALL BUTT JOINT LOCATIONS, THE EXISTING SURFACE SHALL BE CUT TO A MINIMUM THICKNESS OF ONE AND ONE-HALF (1 1/2) INCHES.

THE THICKNESSES OF ASPHALT MIXTURES SHOWN IN THE PLANS ARE NOMINAL. DEVIATIONS MAY OCCUR DUE TO IRREGULARITIES IN THE SURFACES OR BASES ON WHICH THE ASPHALT MIXTURES ARE TO BE PLACED.

PROTECTIVE COAT SHALL BE APPLIED TO ALL GUTTER FLAGS, FACE AND TOP OF CURB, OR CURB AND GUTTER, P.C.C. SIDEWALK, P.C.C. DRIVEWAY PAVEMENT, AND AS DIRECTED BY THE ENGINEER.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING FRESH CONCRETE FROM DAMAGE AND VANDALISM. ANY DAMAGED OR VANDALIZED CONCRETE SHALL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE.

ANY SHEETING AND/OR SHORING USED ON THIS IMPROVEMENT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT.

EXISTING PAVEMENT THICKNESSES SHOWN ON THE PLANS ARE APPROXIMATE, BASED ON AVAILABLE INFORMATION AT THE TIME OF DESIGN. ANY ADDITIONAL COSTS REQUIRED BY THE CONTRACTOR DUE TO THICKNESSES OTHER THAN THOSE SHOWN ON THE PLANS WILL BE INCLUDED IN THE COST OF CONTRACT.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS BEFORE BIDDING ON THIS CONTRACT.

WHERE NEW WORK MEETS EXISTING FEATURES TO REMAIN, FIELD CHECK ALL DIMENSIONS AND ELEVATIONS BEFORE PROCEEDING WITH CONSTRUCTION. NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.

THE CONTRACTOR WILL BE REQUIRED TO COMPLY WITH ALL STATE REGULATIONS REGARDING AIR, WATER, AND NOISE POLLUTION. THE CONTRACTOR IS PROHIBITED FROM BURNING ANY MATERIAL WITHIN OR ADJACENT TO THE IMPROVEMENT.

ALL TYPE I AND II BARRICADES SHALL BE WEIGHTED DOWN WITH TWO SANDBAGS EACH. (ONE WEIGHTED SANDBAG ACROSS EACH BOTTOM RAIL). ALL TYPE III BARRICADES SHALL REQUIRE FOUR SANDBAGS EACH.

THE CONTRACTOR SHALL PREPARE THE SUBGRADE IN ACCORDANCE WITH ARTICLE 301.03 OF THE STANDARD SPECIFICATIONS PRIOR TO THE REMOVAL OF ANY UNSTABLE MATERIALS.

ALL DISTURBED AREAS WITHIN THE PROJECT THAT ARE NOT OTHERWISE SURFACED SHALL BE CLEARED, LAYERED WITH TOPSOIL, AND SEEDS AS SHOWN ON THE PLANS. SEED LIMITS SHOWN ON THE PLANS ARE THE MAXIMUM PAY WIDTHS FOR PAYMENT PURPOSES.

USE A FERTILIZER WITH AN ANALYSIS OF 1:1:1 RATIO AT THE FOLLOWING RATE PER ACRE:

	SEEDING
NITROGEN FERTILIZER NUTRIENT	90 LBS.
PHOSPHORUS FERTILIZER NUTRIENT	90 LBS.
POTASSIUM FERTILIZER NUTRIENT	90 LBS.

THE CONTRACTOR SHALL DISPOSE OF ALL SIDEWALK, CURB AND GUTTER, PAVEMENT, AND ALL OTHER EXCAVATED MATERIAL NOT FOR SALVAGE AT HIS EXPENSE. ALL EXCESS EXCAVATED MATERIAL SHALL BE REMOVED FROM THE SITE EACH DAY. NO PAYMENT WILL BE MADE FOR HAULING OR TRUCKING TO DISPOSAL LOCATIONS.

THE CONTRACTOR WILL BE REQUIRED TO TEMPORARILY RESET ALL EXISTING MAILBOXES WHICH INTERFERE WITH HIS CONSTRUCTION OPERATIONS, AND AFTER COMPLETION OF ROADWAY CONSTRUCTION, TO SET THEM IN THEIR PERMANENT LOCATIONS AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE IN CONFORMANCE WITH ARTICLE 107.20 OF THE STANDARD SPECIFICATIONS, AND THE COST WILL BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT.

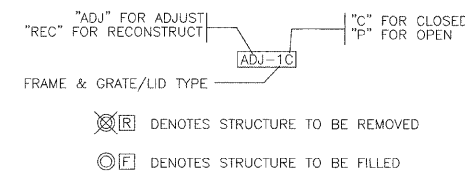
POROUS GRANULAR EMBANKMENT SPECIAL (PGES) HAS BEEN PROVIDED FOR SOILS WHICH TEND TO BE UNSTABLE WHEN WET. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH PGES WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER (BY USE OF A CONE PENETROMETER IN CONJUNCTION WITH THE IDOT SUBGRADE STABILITY MANUAL). IF UNSTABLE SOILS ARE ENCOUNTERED THE SOILS SHALL BE REMOVED AND REPLACED WITH PGES. IF UNSTABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY WILL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.

SUPPLEMENTAL LEGEND

SEE IDOT HIGHWAY STANDARDS FOR ADDITIONAL INFORMATION

	STREET ADDRESS
	TELEPHONE CABLE (TUC) OR DUCT (TUD)
	EXISTING STREET LIGHTING CABLE
	PROPOSED STREET LIGHTING OR TRAFFIC SIGNAL CABLE
	EXISTING CURB OR CURB & GUTTER
	PROPOSED CURB OR CURB & GUTTER
	EXISTING CONCRETE PAVEMENT, CURB, CURB & GUTTER, DRIVEWAY PAVEMENT AND SIDEWALK TO BE REMOVED
	CLASS D PATCHES
	HOT-MIX ASPHALT SURFACE REMOVAL

STRUCTURE ADJUSTMENT/RECONSTRUCTION/REMOVAL NOTATION



DATE	BY

DATE	BY

DATE	BY

DATE	BY

FILE NAME =	USER NAME =	DESIGNED --	REVISED --
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



RAFFEL ROAD IMPROVEMENTS
GENERAL NOTES AND LEGEND

F.A.U. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
041	09-00110-00-PV	McHENRY	22	2
RAFFEL ROAD	CONTRACT NO. 63283			
FED. ROAD DIST. NO. 1	ILLINOIS FED. AID PROJECT ARA-9003(445)			

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

SUMMARY OF QUANTITIES

Sp. Prov. Provided	Code No.	Items	Unit	Total Quantity
*	20200100	EARTH EXCAVATION	CU YD	3426
*	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	1626
*	20700420	POROUS GRANULAR EMBANKMENT, SUBGRADE	CU YD	1626
	21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	6513
*	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	2022
*	21301084	EXPLORATION TRENCH 84" DEPTH	FOOT	50
*	25000210	SEEDING, CLASS 2A	ACRE	0.4
	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	38
	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	38
	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	38
*	25100115	MULCH, METHOD 2	ACRE	0.8
*	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	85
*	28000300	TEMPORARY DITCH CHECKS	EACH	20
*	28000400	PERIMETER EROSION BARRIER	FOOT	2800
*	28000510	INLET FILTERS	EACH	4
	31101300	SUB-BASE GRANULAR MATERIAL, TYPE B 5"	SQ YD	1743
*	40200100	AGGREGATE SURFACE COURSE, TYPE A	TON	150
*	40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	6
*	40600300	AGGREGATE (PRIME COAT)	TON	13
	40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	46
	40701861	HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 9"	SQ YD	5113
*	40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	20
*	42001300	PROTECTIVE COAT	SQ YD	104
*	42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	28
	44000100	PAVEMENT REMOVAL	SQ YD	4774
*	44000151	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	600
	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	449
	48203013	HOT-MIX ASPHALT SHOULDERS, 4"	SQ YD	1743
	60100060	CONCRETE HEADWALL FOR PIPE DRAINS	EACH	1
*	60107600	PIPE UNDERDRAINS 4"	FOOT	236
*	60255500	MANHOLES TO BE ADJUSTED	EACH	1
*	60265700	VALVE VAULTS TO BE ADJUSTED	EACH	1
	60600605	CONCRETE CURB, TYPE B	FOOT	187
	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	199
	67100100	MOBILIZATION	L SUM	1
*	70101800	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1
	70102550	TRAFFIC CONTROL AND PROTECTION FOR TEMPORARY DETOUR	EACH	1
	70300100	SHORT-TERM PAVEMENT MARKING	FOOT	200
*	70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	2000
	70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	200
△	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	8722
△	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	30
*	78300100	PAVEMENT MARKING REMOVAL	SQ FT	70
*	Z0001050	AGGREGATE SUBGRADE 12"	SQ YD	5612
*	Z0019600	DUST CONTROL WATERING	UNIT	28
	X0322256	TEMPORARY INFORMATION SIGNING	SQ FT	52
*	XX008833	TREE PROTECTION, SPECIAL	L SUM	1
*	XX008200	STABILIZED DRIVEWAY PAVEMENT	SQ YD	421
	351600706	HOT-MIX ASPHALT BASE COURSE WIDENING, 7 1/2"	SQ YD	89
*	XX007985	SPECIAL FRAME, CLOSED LID	EACH	2
*	XX001095	MAILBOX Removal AND REPLACEMENT	EACH	17

△ SPECIALTY ITEMS

SCHEDULE OF QUANTITIES

ROADWAY SCHEDULE								
LOCATION	POROUS GRANULAR EMBANKMENT, SUBGRADE (CU YD)	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION (SQ YD)	AGGREGATE SUBGRADE, 12" (SQ YD)	HOT-MIX ASPHALT BASE COURSE WIDENING, 7 1/2" (SQ YD)	HOT-MIX ASPHALT SHOULDERS, 4" (SQ YD)	SUB-BASE GRANULAR MATERIAL, TYPE B, 5" (SQ YD)	HOT-MIX ASPHALT (FULL DEPTH), 9" (SQ YD)	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (TON)
STA. 14+00 TO STA. 16+00	196	681	545		196	196	600	
STA. 16+00 TO STA. 20+00	386	1333	1067		352	352	978	
STA. 20+00 TO STA. 34+46		4499	3856		1195	1195	3535	
STA. 34+46 TO STA. 36+45			144	89				46
TOTAL	582	6513	5612	89	1743	1743	5113	46

DRIVEWAYS		
LOCATION	STABILIZED DRIVEWAY PAVEMENT (SQ YD)	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH (SQ YD)
14+58.5, LT	14.0	
15+87.7, LT	11.0	
19+00.6, RT	50.0	
19+86.2, LT	27.0	
21+06.4, RT	36.0	
21+46.9, LT	27.0	
21+65.8, RT		28.0
23+44.3, LT	22.0	
24+53.3, RT	27.0	
26+41.5, LT	18.0	
26+63.8, RT	17.0	
26+87.5, LT	26.0	
29+05.3, RT	22.0	
29+33.7, LT	16.0	
30+39.4, LT	36.0	
30+76.6, RT	15.0	
31+18.5, LT	10.0	
32+31.0, LT	12.0	
32+63.7, LT	10.0	
32+85.0, LT	10.0	
32+90.4, RT	15.0	
TOTAL	421.0	28.0

EARTH EXCAVATION						
LOCATION	REM. AND DISP. OF UNSUIT. MAT. (CU YD)	EARTH EXCAVATION (CU YD)	PAVEMENT REMOVAL (CU YD)	EXCAV. TO BE USED AS EMBANK. (15% SHRINKAGE) (CU YD)	EMBANKMENT (CU YD)	WASTE (+) SHORTAGE(-) (CU YD)
14+00 TO 36+45	1626	3426	305	3171	59	3112

PLAN ALLOWANCE		
ITEM	UNITS	QUANTITY
REMOVAL & DISP. OF UNSUITABLE MATERIAL *	CU YD	1044
POROUS GRANULAR EMBANKMENT, SUBGRADE *	CU YD	1044
EXPLORATION TRENCH 84" DEPTH	FOOT	50
INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	20
SHORT-TERM PAVEMENT MARKING	FOOT	405
TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	17444
PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	8722
PAVEMENT MARKING REMOVAL	SQ FT	70
AGGREGATE FOR TEMPORARY ACCESS	TON	150

AN ESTIMATED PLAN QUANTITY FOR EACH OF THESE ITEMS HAS BEEN SHOWN TO ESTABLISH UNIT PRICES FOR EACH ITEM. PAYMENT SHALL BE MADE FOR ACTUAL QUANTITY COMPLETED WITHOUT AN ADJUSTMENT IN UNIT PRICE DUE TO A CHANGE IN PLAN QUANTITY.

ADDITIONAL QUANTITIES FOR THESE ITEMS ARE INCLUDED IN THE PLAN ALLOWANCE * SCHEDULE IN THE CASE THAT ADDITIONAL UNDERCUT IS REQUIRED DURING CONSTRUCTION. FIELD VERIFY DEPTH OF UNDERCUT REQUIRED. SEE GEOTECHNICAL REPORT.

PLAN
 SURVEYED BY: _____ DATE: _____
 PLOTTED BY: _____ DATE: _____
 NOTE BOOK NO.: _____
 CHECKED BY: _____
 STRUCTURE NOTATIONS CHKD BY: _____

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

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		DATE --	REVISED --

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION



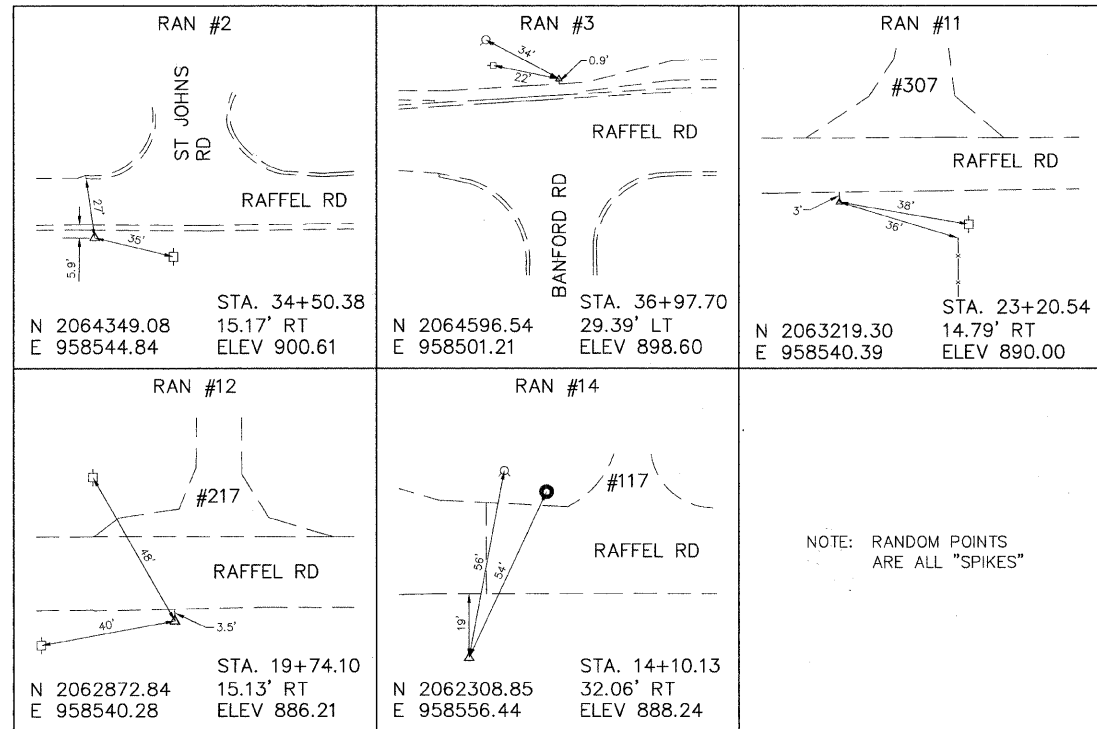
RAFFEL ROAD IMPROVEMENTS
 SUMMARY & SCHEDULE OF QUANTITIES

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
041	09-00110-00-PV	McHENRY	22	3
RAFFEL ROAD		CONTRACT NO. 63283		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT ARA-9003(445)		

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

PLAN	SURVEYED	DATE
	PLOTTED	
	NOTED	
	RT. OF WAY CHECKED	
	NO. _____	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	NOTED	
	GRADES CHECKED	
	STRUCTURE NOTATION CHECKED	
	NO. _____	



NOTE: RANDOM POINTS ARE ALL "SPIKES"

RAFFEL ROAD ALIGNMENT

STA. 13+00
N 2062198.77
E 958524.17

BENCHMARKS

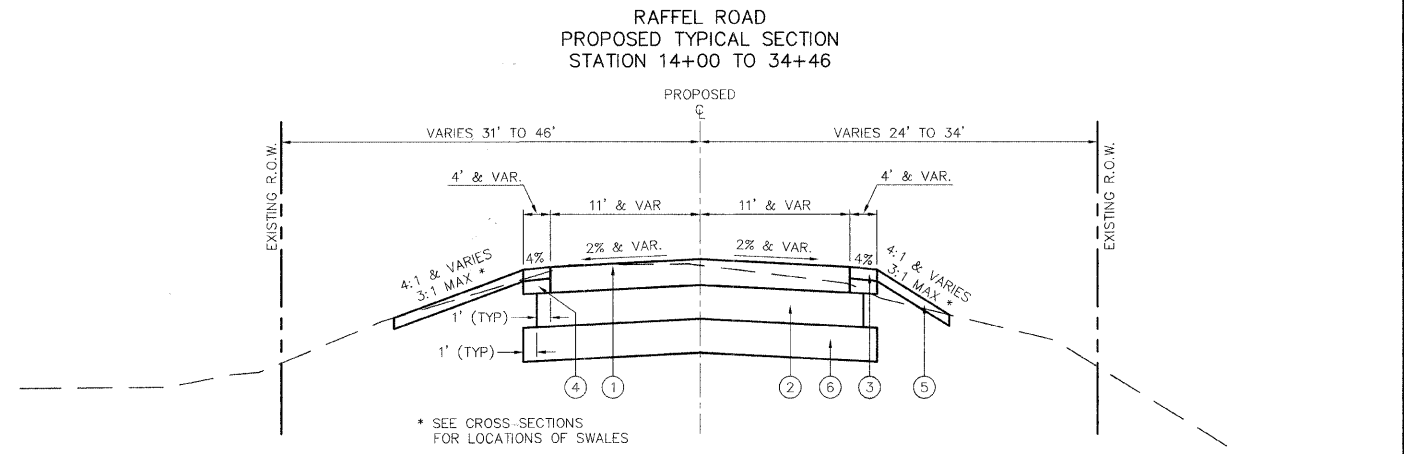
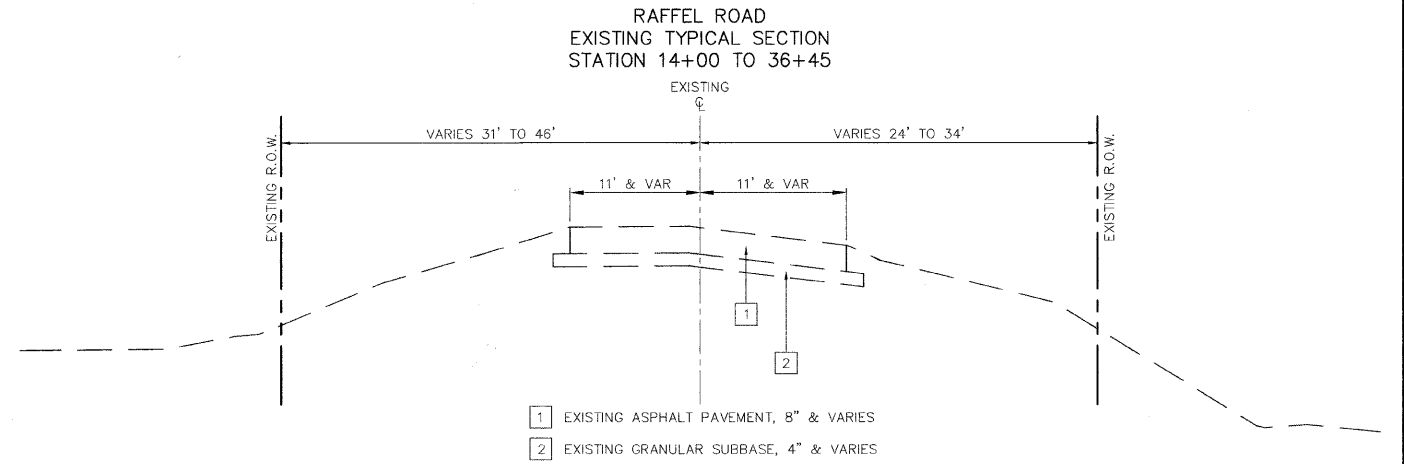
- N.E. BOLT ON FIRE HYDRANT AT STA. 14+20, 23' LT, ELEV 889.77
- SPIKE EAST SIDE OF POWER POLE AT STA. 36+76, 36' LT, ELEV 898.16

PI STA. 24+00.15
N 2063298.92
E 958525.70

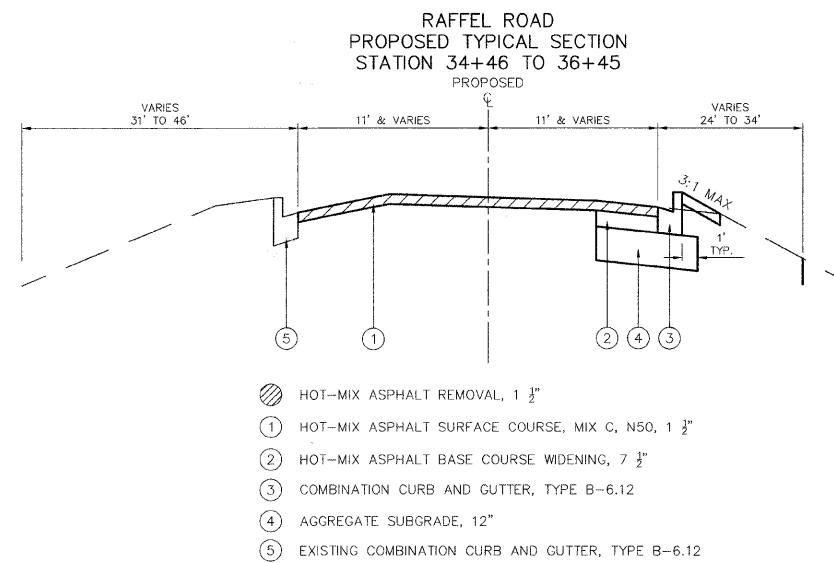
STA. 36+50
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HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
ITEM	AC TYPE	AIR VOIDS
HOT-MIX ASPHALT (FULL DEPTH), 9"		
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 1 1/2", (IL 9.5mm)	PG 64-22	4% @ 50 Gyr.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2 1/2"	PG 64-22*	4% @ 50 Gyr.
HOT-MIX ASPHALT BASE COURSE, 5"	PG 58-22*	4% @ 50 Gyr.
HOT-MIX ASPHALT WIDENING		
HOT-MIX ASPHALT BASE COURSE WIDENING, 7 1/2"	PG 58-22*	4% @ 50 Gyr.
INCIDENTAL HOT-MIX ASPHALT SURFACING		
INCIDENTAL HOT-MIX ASPHALT SURFACING, MIX "C", N50, (IL 9.5mm)	PG 64-22*	4% @ 50 Gyr.
HOT-MIX ASPHALT SHOULDERS		
HOT-MIX ASPHALT SHOULDERS, 4" **	PG 64-22*	2% @ 30 Gyr.

THE UNIT WEIGHT USED FOR ALL HOT-MIX ASPHALT QUANTITIES IS 112 POUNDS PER INCH THICKNESS PER SQUARE YARD.
* WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22.
** SAME MIXES AS BINDER COURSE AND SURFACE COURSE.



- * SEE CROSS SECTIONS FOR LOCATIONS OF SWALES
- HOT-MIX ASPHALT (FULL DEPTH) 9"
 - AGGREGATE SUBGRADE, 12"
 - HOT-MIX ASPHALT SHOULDERS, 4"
 - SUB-BASE GRANULAR MATERIAL, TYPE B
 - TOPSOIL FURNISH AND PLACE, 4" AND SEEDING, CLASS 2A
 - POROUS GRANULAR EMBANKMENT, SUBGRADE 12" NOMINAL (FIELD VERIFY DEPTH REQUIRED, SEE GEOTECHNICAL REPORT) STA. 14+00 TO STA. 34+46.



- HOT-MIX ASPHALT REMOVAL, 1 1/2"
- HOT-MIX ASPHALT SURFACE COURSE, MIX C, N50, 1 1/2"
- HOT-MIX ASPHALT BASE COURSE WIDENING, 7 1/2"
- AGGREGATE SUBGRADE, 12"
- EXISTING COMBINATION CURB AND GUTTER, TYPE B-6.12

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FILE NAME =	USER NAME =	DESIGNED --	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HLR	RAFFEL ROAD IMPROVEMENTS TYPICAL SECTIONS, ALIGNMENT AND TIES	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
APR 28, 2009 11:41:51 a.m. P:\03\03102003\CAD\PHASE 2\DWG\10203-SHT-NOTES.DWG	PLOT SCALE =	DRAWN --	REVISED --				041	09-00110-00-PV	McHENRY	22	4
PLOT DATE =	DATE --	CHECKED --	REVISED --				RAFFEL ROAD	CONTRACT NO. 63283			
							FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT ARA-9003(445)		

DETOUR PLAN

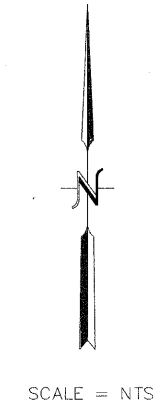
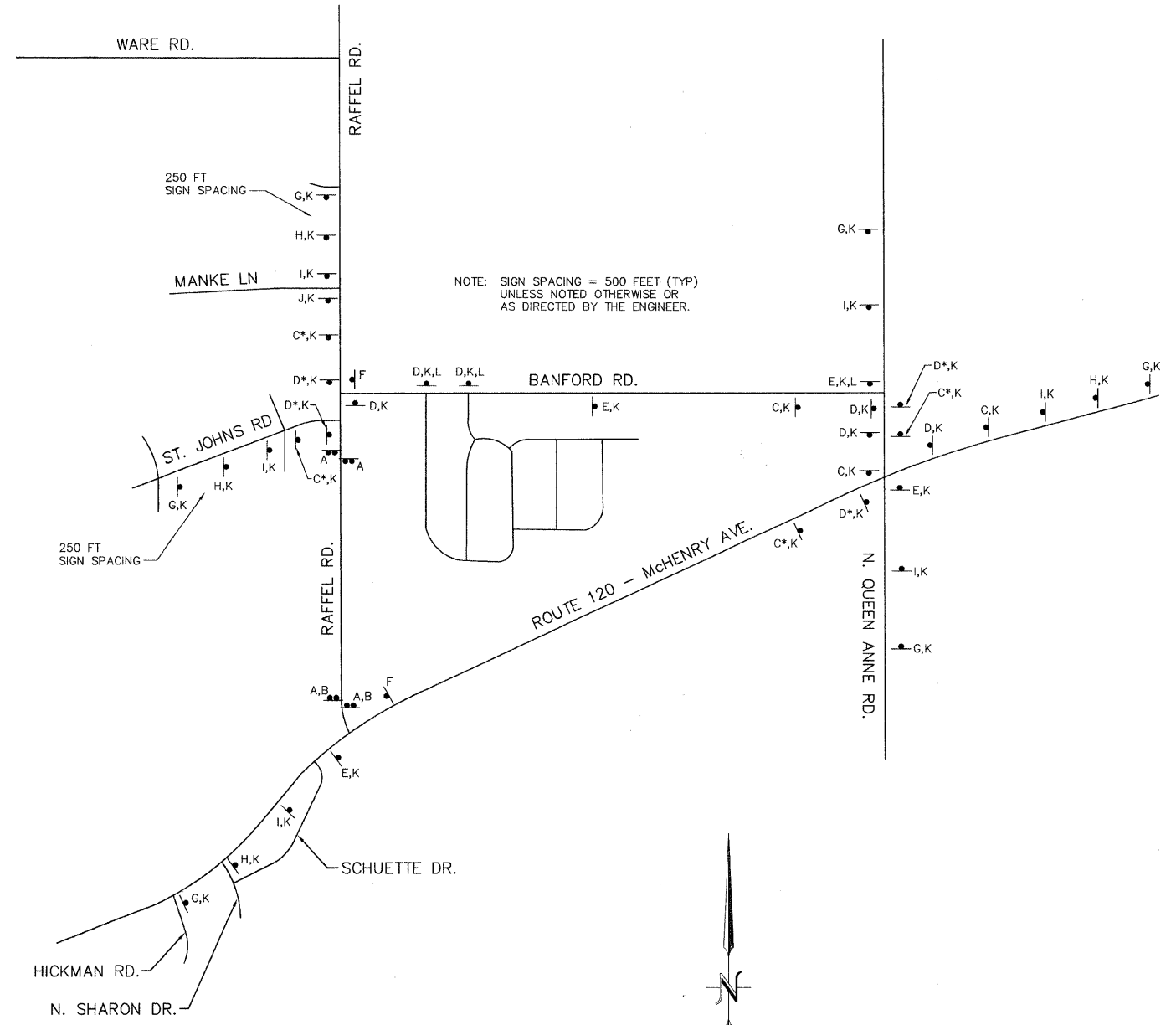
DETOUR PLAN LEGEND

- G,K SIGN DESCRIPTION (SEE BELOW)
- SIGN
- TYPE III BARRICADE WITH 2 HIGH INTENSITY WARNING LIGHTS & SIGNS AS NOTED

- A R11-4 60" X 30"
- B M4-10(R&L) 48" X 18"
- C M4-9(R&L) 30" X 30"
- D M4-9(R&L) 30" X 24"
- E M4-9 30" X 30"
- F M4-8a 24" X 18"

SIGNS B, C & D POINT TO THE RIGHT UNLESS NOTED WITH AN "*" = LEFT

- G W20-1 48" X 48" WITH HIGH INTENSITY LIGHT & 18" X 18" ORANGE FLAG
- H W20-3 48" X 48" WITH HIGH INTENSITY LIGHT & 18" X 18" ORANGE FLAG
- I W20-2 48" X 48" WITH HIGH INTENSITY LIGHT & 18" X 18" ORANGE FLAG
- J W20-3 48" X 48" WITH HIGH INTENSITY LIGHT & 18" X 18" ORANGE FLAG
- K 30" X 24"
- L 24" X 12"



PLAN	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
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	DATE	
	FILE NAME	

PROFILE	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



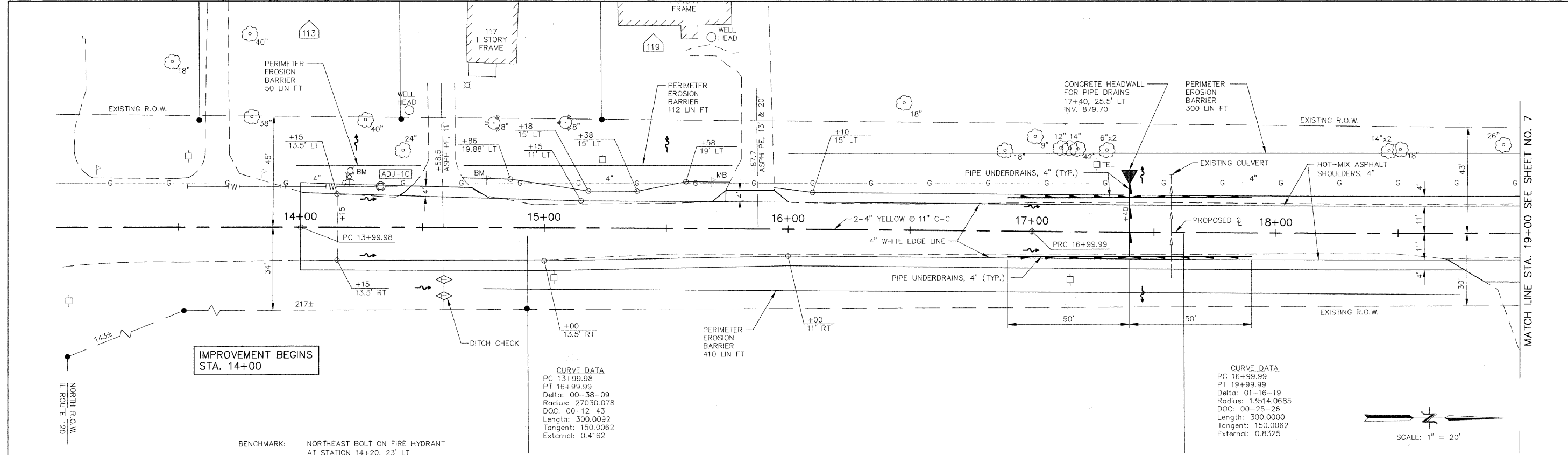
RAFFEL ROAD IMPROVEMENTS
DETOUR PLAN

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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RAFFEL ROAD		CONTRACT NO. 63283		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ARA-9003(445)				

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

PLAN	SUBMITTED	DATE
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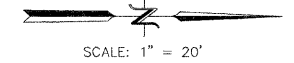
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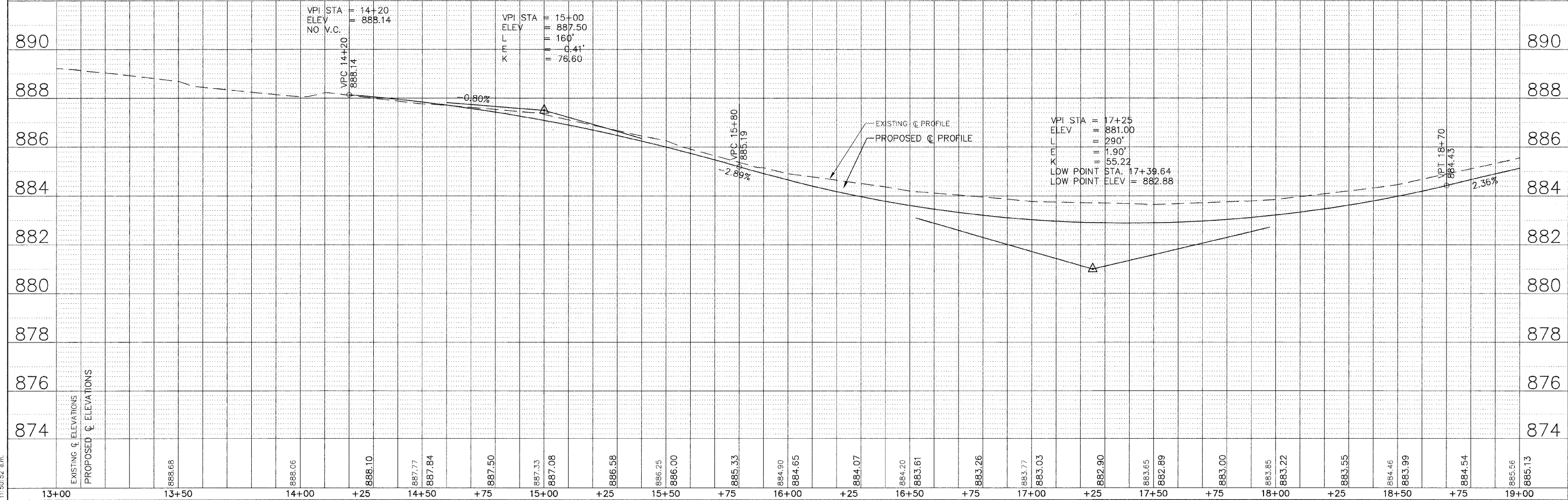
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 PT 16+99.99
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 Radius: 27030.078
 DOC: 00-12-43
 Length: 300.0092
 Tangent: 150.0062
 External: 0.4162

CURVE DATA
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 PT 19+99.99
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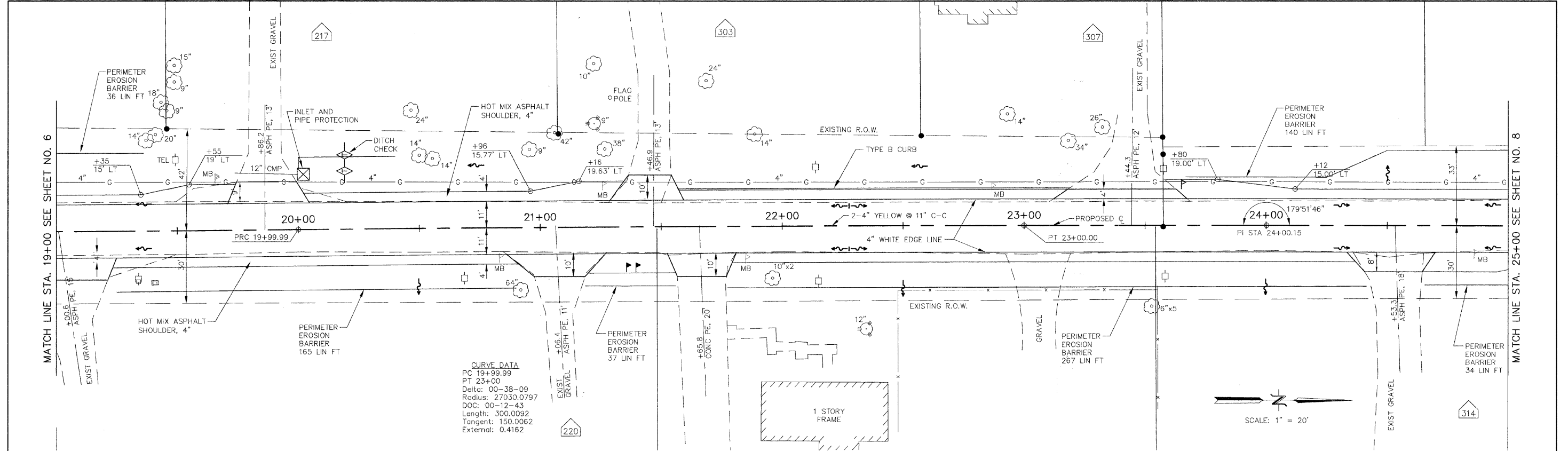
892 RAFFEL ROAD 892



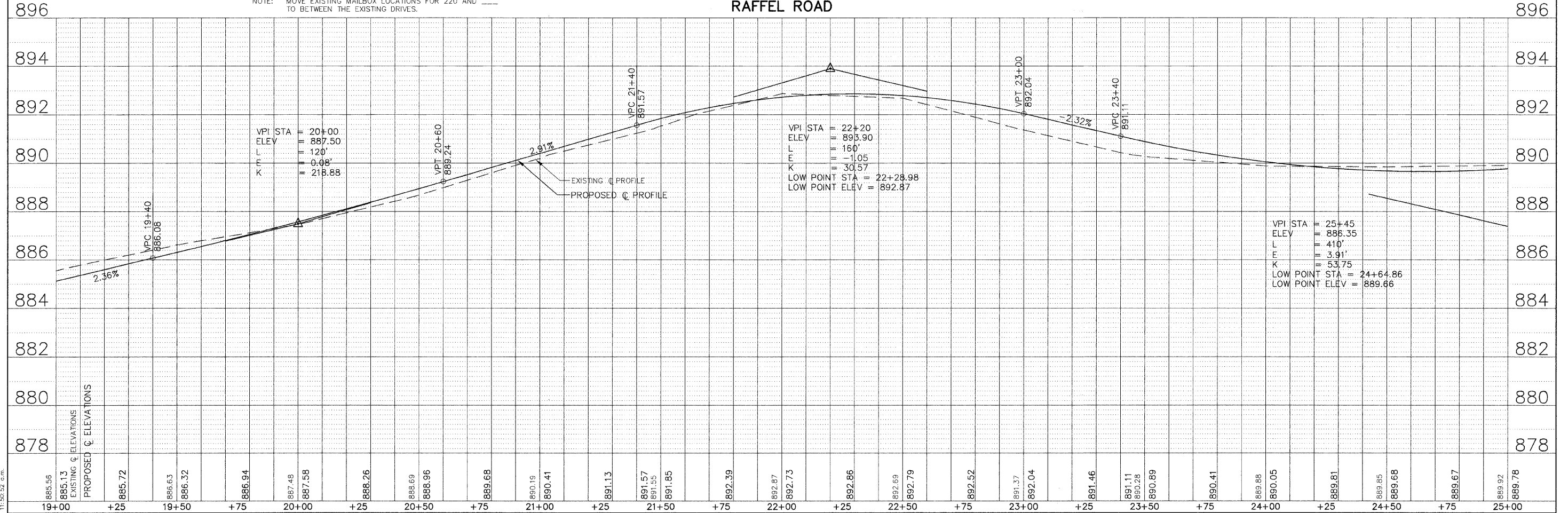
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April 28, 2009 11:50:52 am		DATE -	REVISED -			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ARA-9003(445)		

PLAN	DATE
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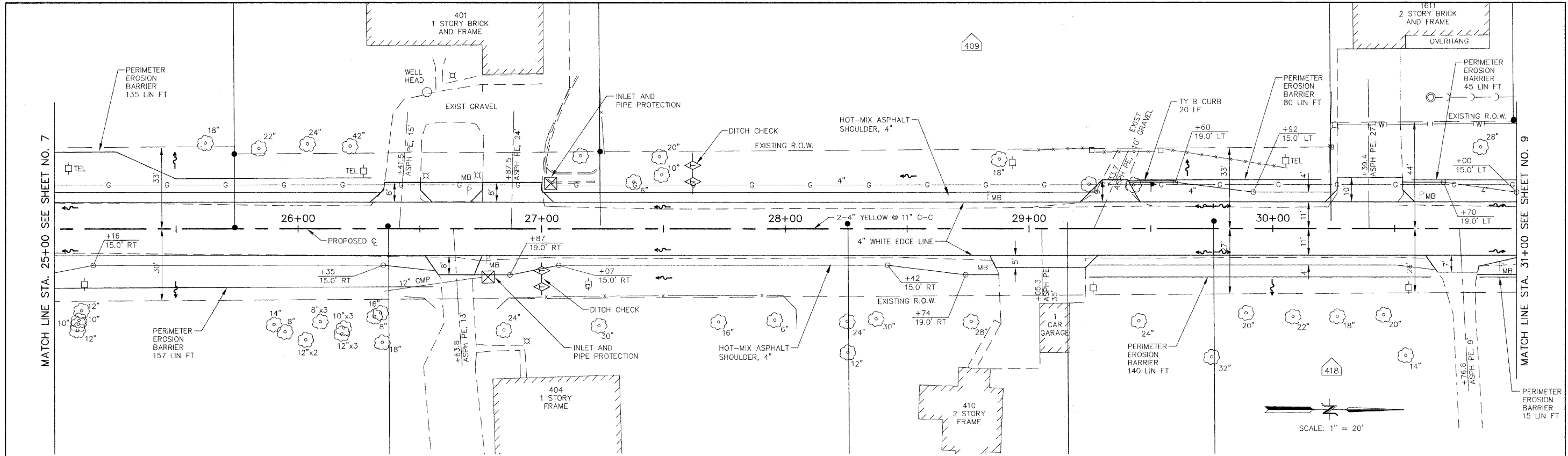
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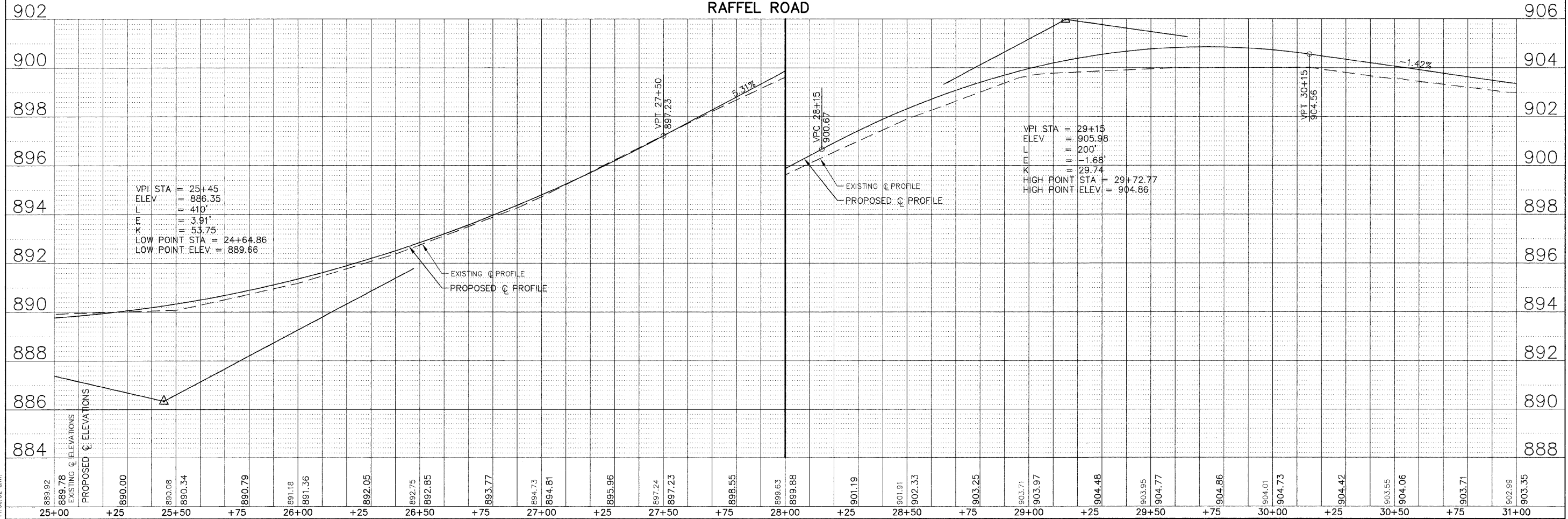
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PLOT DATE =	DATE =	REVISED =	REVISED =			RAFFEL ROAD	CONTRACT NO. 63283		ILLINOIS FED. AID PROJECT ARA-9003(445)			
						SCALE:	SHEET NO. OF SHEETS	STA. 19+00 TO STA. 25+00				

PLAN	DATE
BY	
CHECKED	
NO.	
FILE NAME	



PROFILE	DATE
BY	
CHECKED	
NO.	
FILE NAME	



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25+00	+25	25+50	+75	26+00	+25	26+50	+75	27+00	+25	27+50	+75	28+00	+25	28+50	+75	29+00	+25	29+50	+75	30+00	+25	30+50	+75	31+00																	

FILE NAME =

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REVISOR =

CHECKED =

DATE =

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

RAFFEL ROAD IMPROVEMENTS

PLAN AND PROFILE

F.A.U. SECTION COUNTY TOTAL SHEETS SHEET NO.

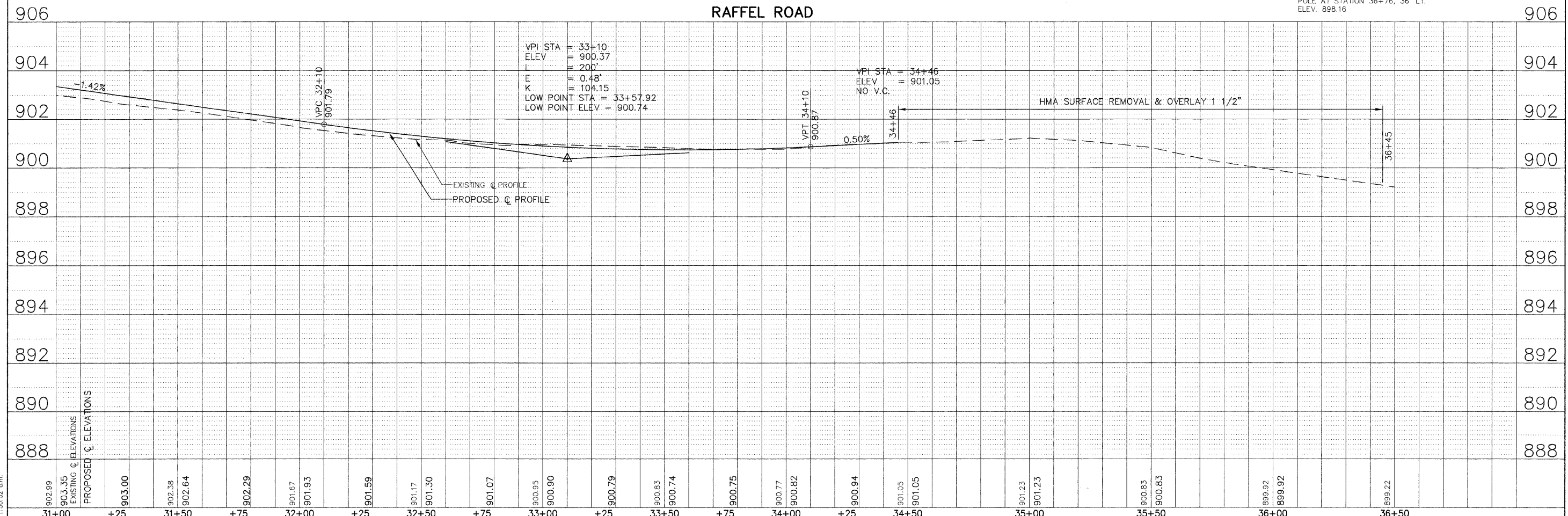
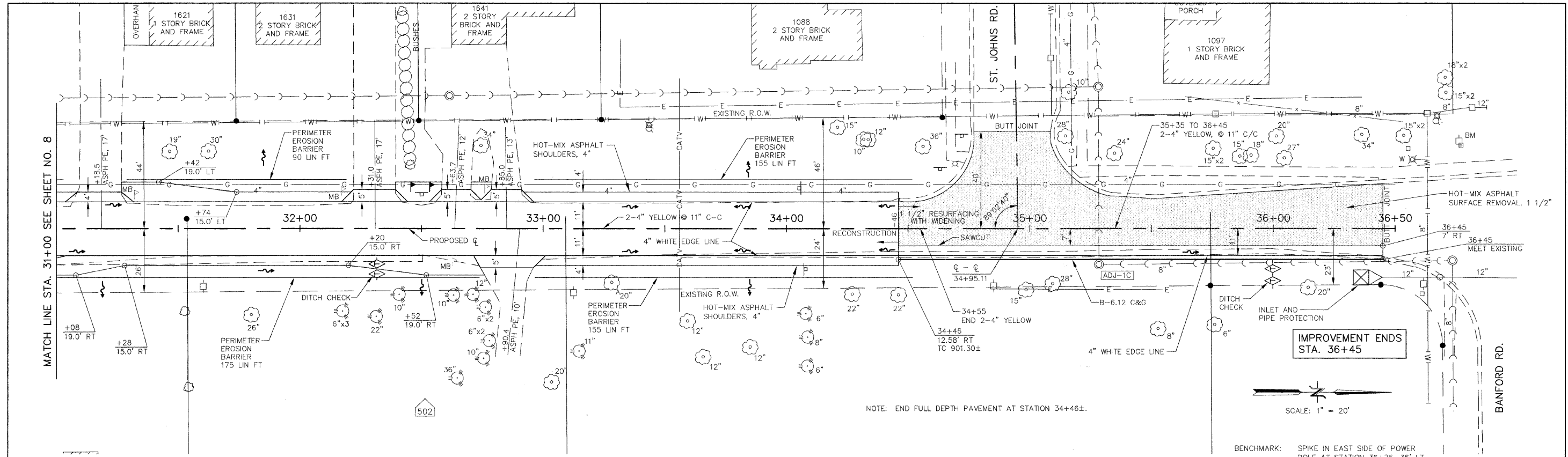
041 09-00110-00-PV McHENRY 22 8

RAFFEL ROAD CONTRACT NO. 63283

FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ARA-9003(445)

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

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



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31+00	+25	31+50	+75	32+00	+25	32+50	+75	33+00	+25	33+50	+75	34+00	+25	34+50	35+00	35+50	36+00	36+50										

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ORIGINAL SURVEY NO.	REVISIONS PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

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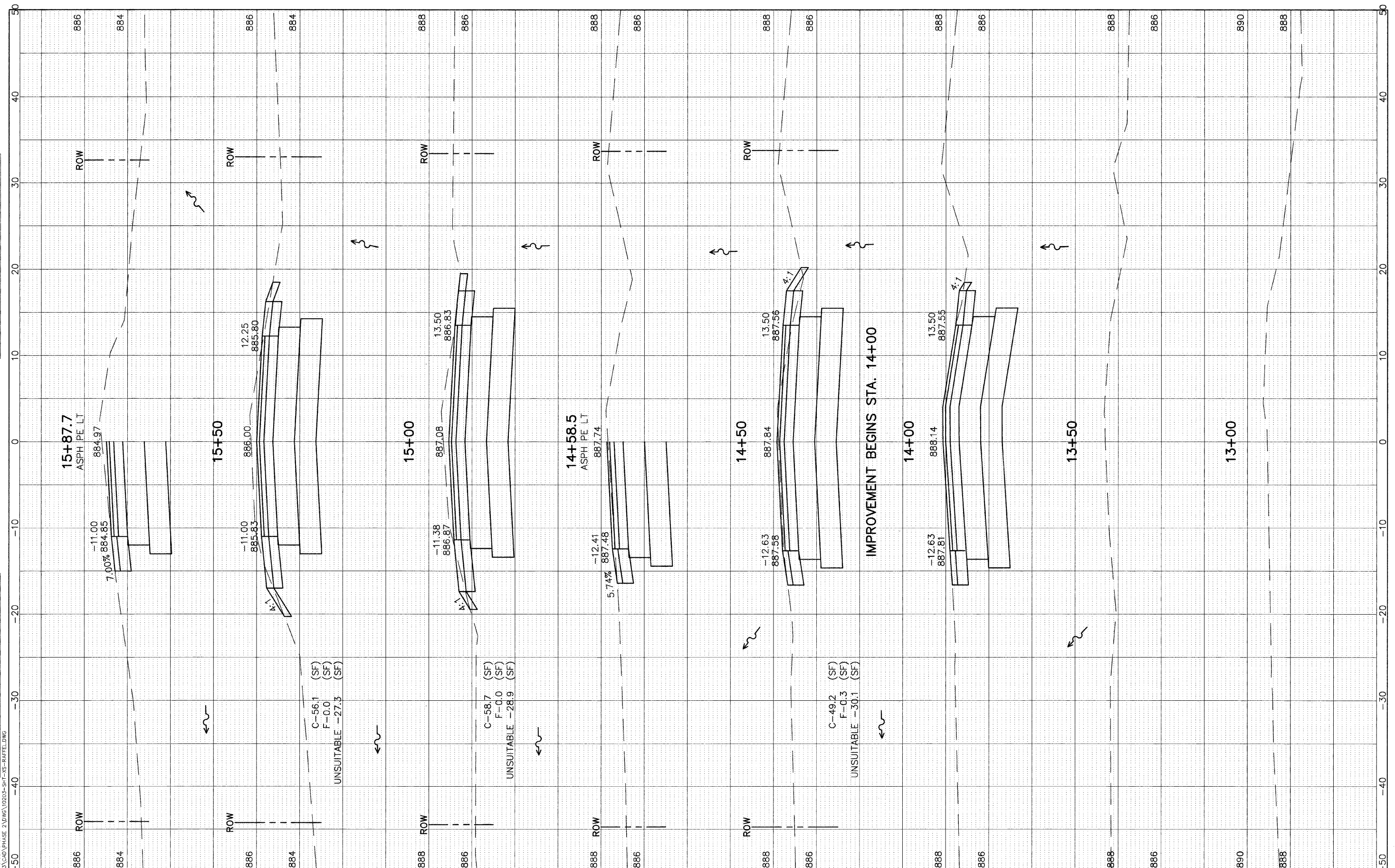
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION



RAFFEL ROAD IMPROVEMENTS
 CROSS SECTIONS

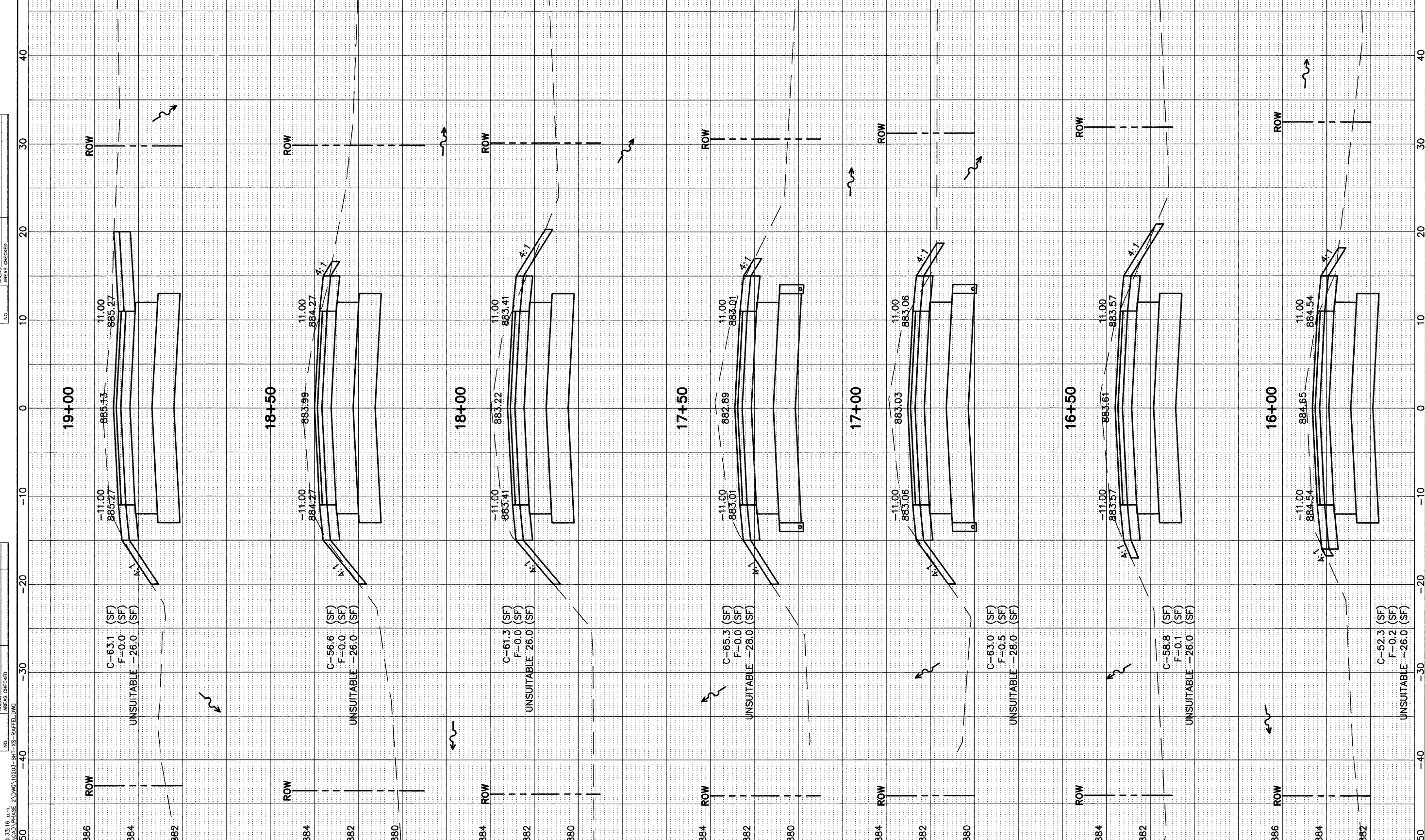
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RAFFEL ROAD		CONTRACT NO. 63283		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ARA-9003(445)				



FINAL SURVEY	REVISIONS	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



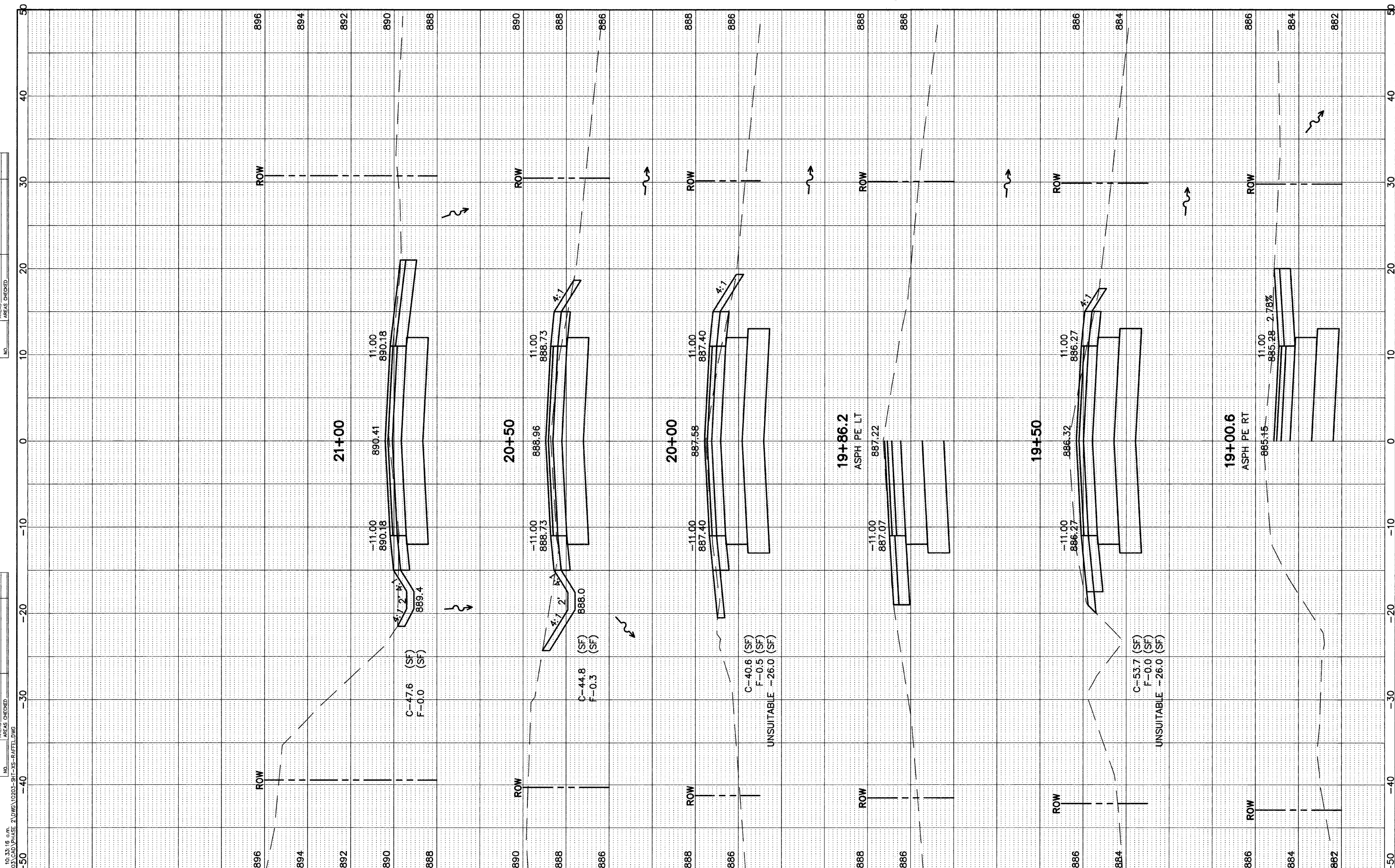
RAFFEL ROAD IMPROVEMENTS
CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 16+00 TO STA. 19+00

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041	09-00110-00-PV	McHENRY	22	11
RAFFEL ROAD	CONTRACT NO. 63283			
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ARA-9003(445)				

FINAL SURVEY NO.	DATE
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TEMPLATE	
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION



RAFFEL ROAD IMPROVEMENTS
 CROSS SECTIONS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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RAFFEL ROAD		CONTRACT NO. 63283		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ARA-9003(445)				

SCALE: SHEET NO. OF SHEETS STA. 19+00.6 TO STA. 21+00

FINAL SURVEY	REVISIONS	DATE
NOTE BOOK	PLOTTED	BY
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ORIGINAL SURVEY	REVISIONS	DATE
NOTE BOOK	PLOTTED	BY
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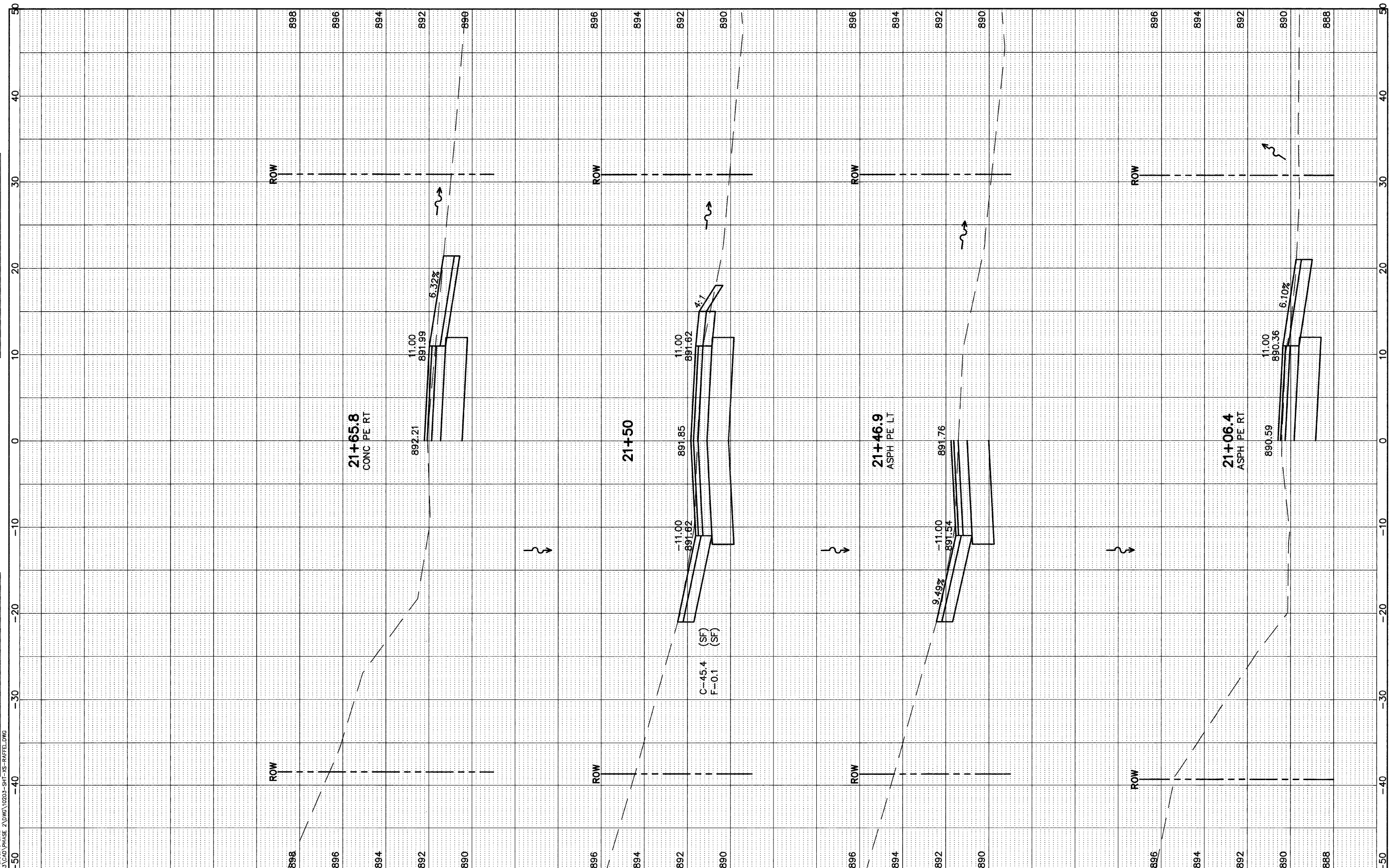
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**



**RAFFEL ROAD IMPROVEMENTS
 CROSS SECTIONS**

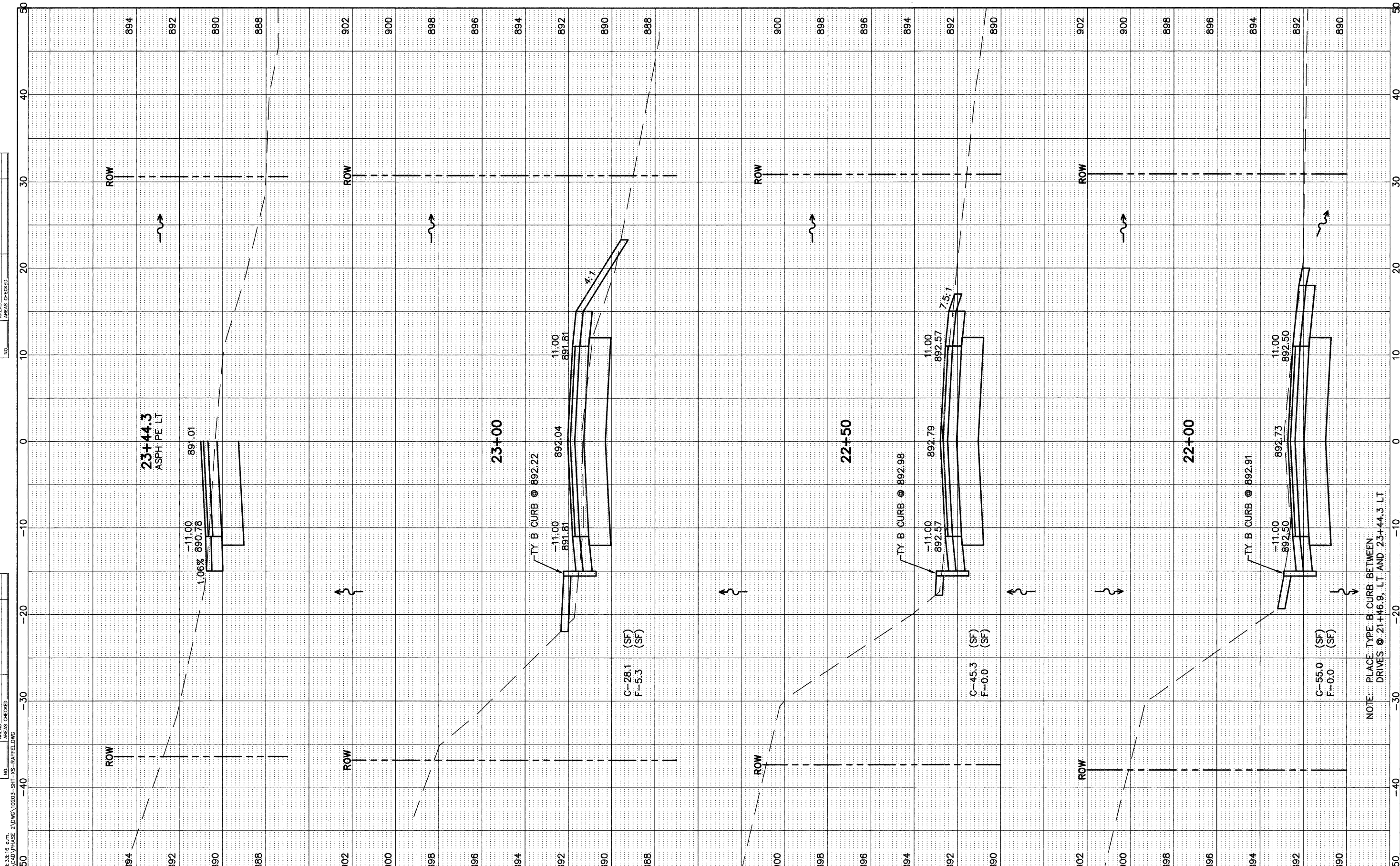
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RAFFEL ROAD				CONTRACT NO. 63283
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT ARA-9003(445)		



FINAL SURVEY NO.	DATE
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TEMPLATE NO.	DATE
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ORIGINAL SURVEY NO.	DATE
STANDARD PLOT NO.	BY
TEMPLATE NO.	DATE
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**



**RAFFEL ROAD IMPROVEMENTS
 CROSS SECTIONS**
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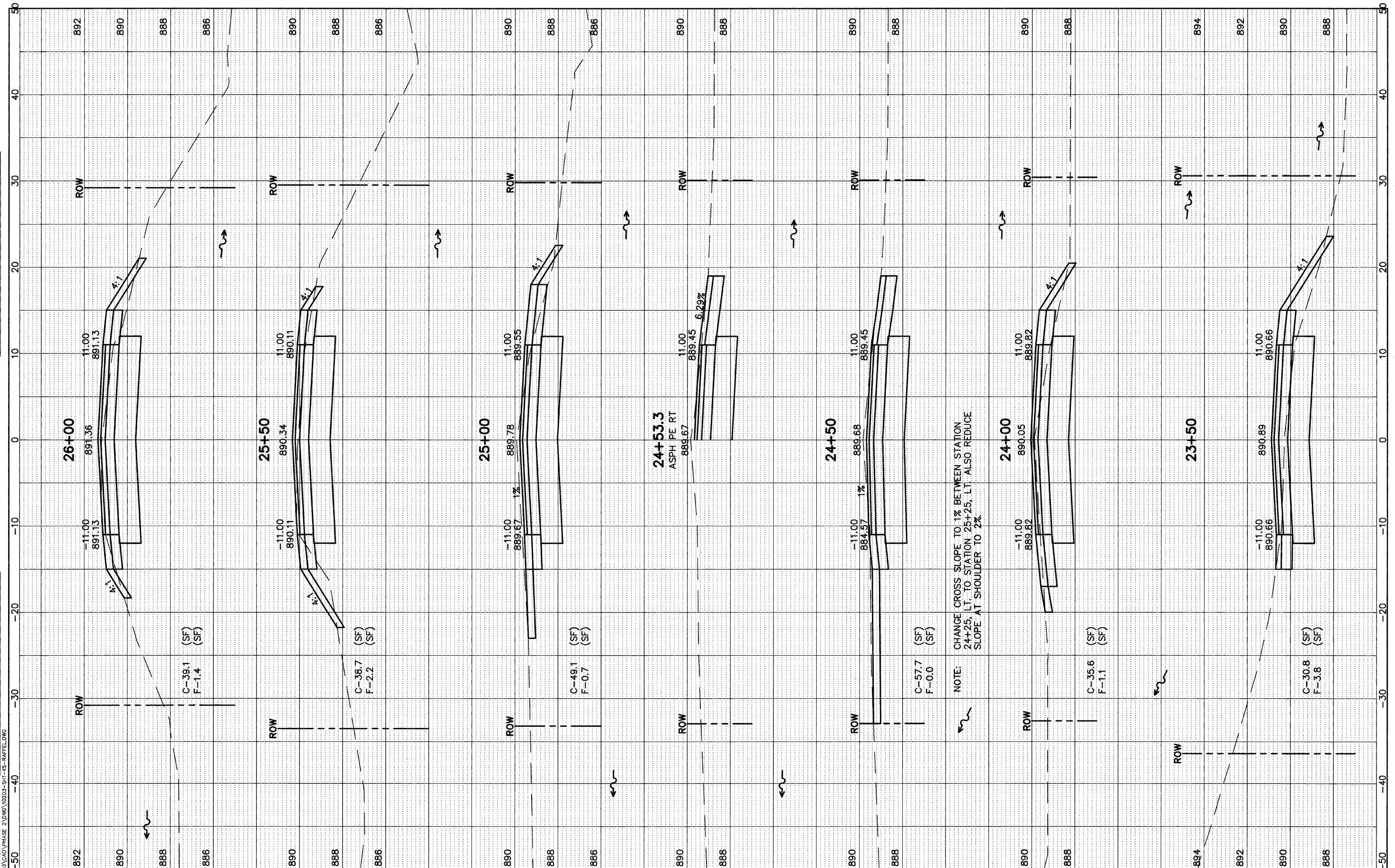
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RAFFEL ROAD		CONTRACT NO. 63283		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ARA-9003(445)				

NOTE: PLACE TYPE B CURB BETWEEN DRIVES @ 21+46.9, LT AND 23+44.3 LT

FINAL SURVEY NO.	DATE
REVISIONS	BY
PLotted	
TEMPLATE	
AREAS	
CHECKED	

ORIGINAL SURVEY NO.	DATE
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**



**RAFFEL ROAD IMPROVEMENTS
 CROSS SECTIONS**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
041	09-00110-00-PV	McHENRY	22	15
RAFFEL ROAD		CONTRACT NO. 63283		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ARA-9003(445)				

SCALE: SHEET NO. OF SHEETS STA. 23+50 TO STA. 26+00

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

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

April 28, 2009 10:33:16 a.m.
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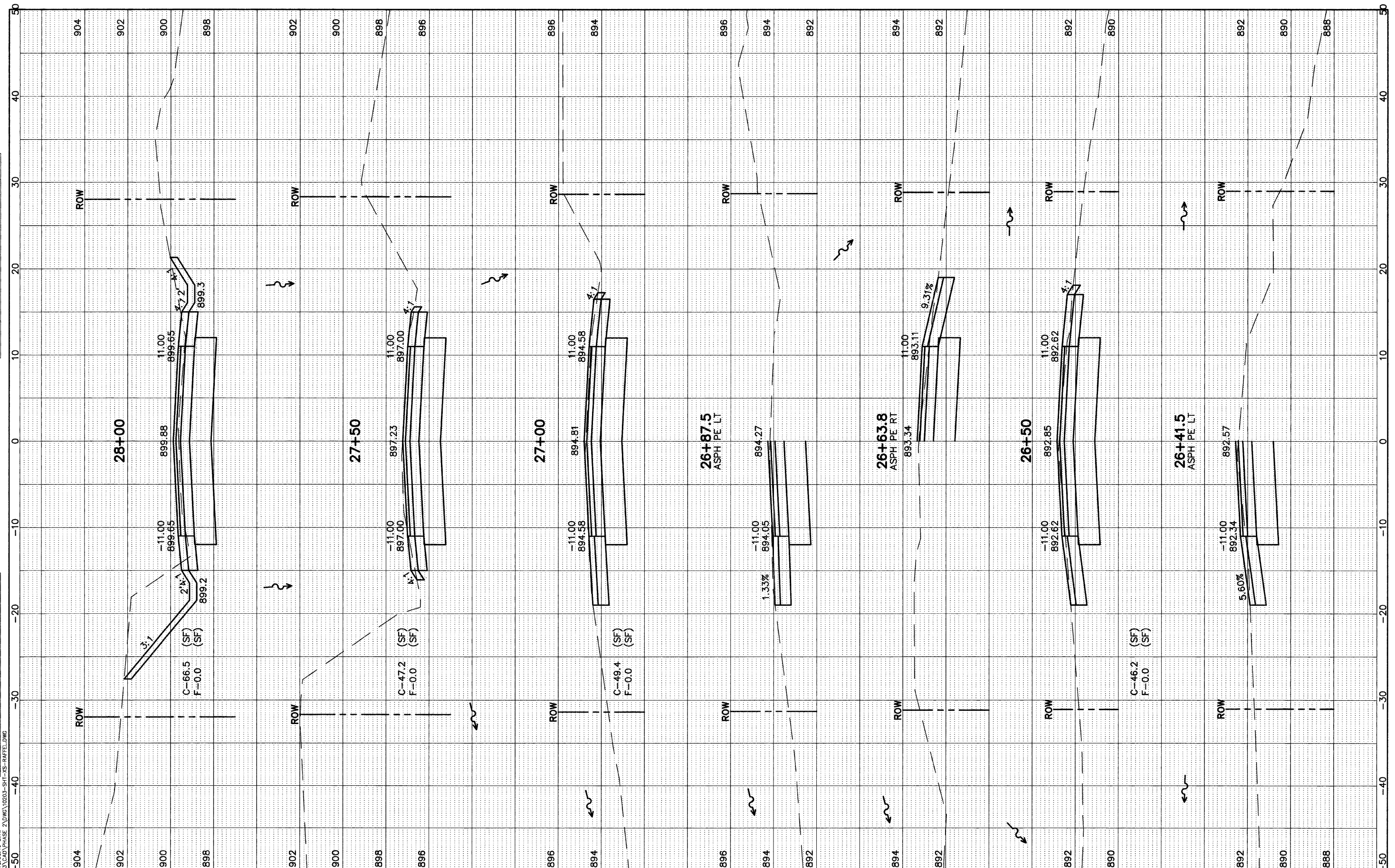
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



RAFFEL ROAD IMPROVEMENTS
CROSS SECTIONS

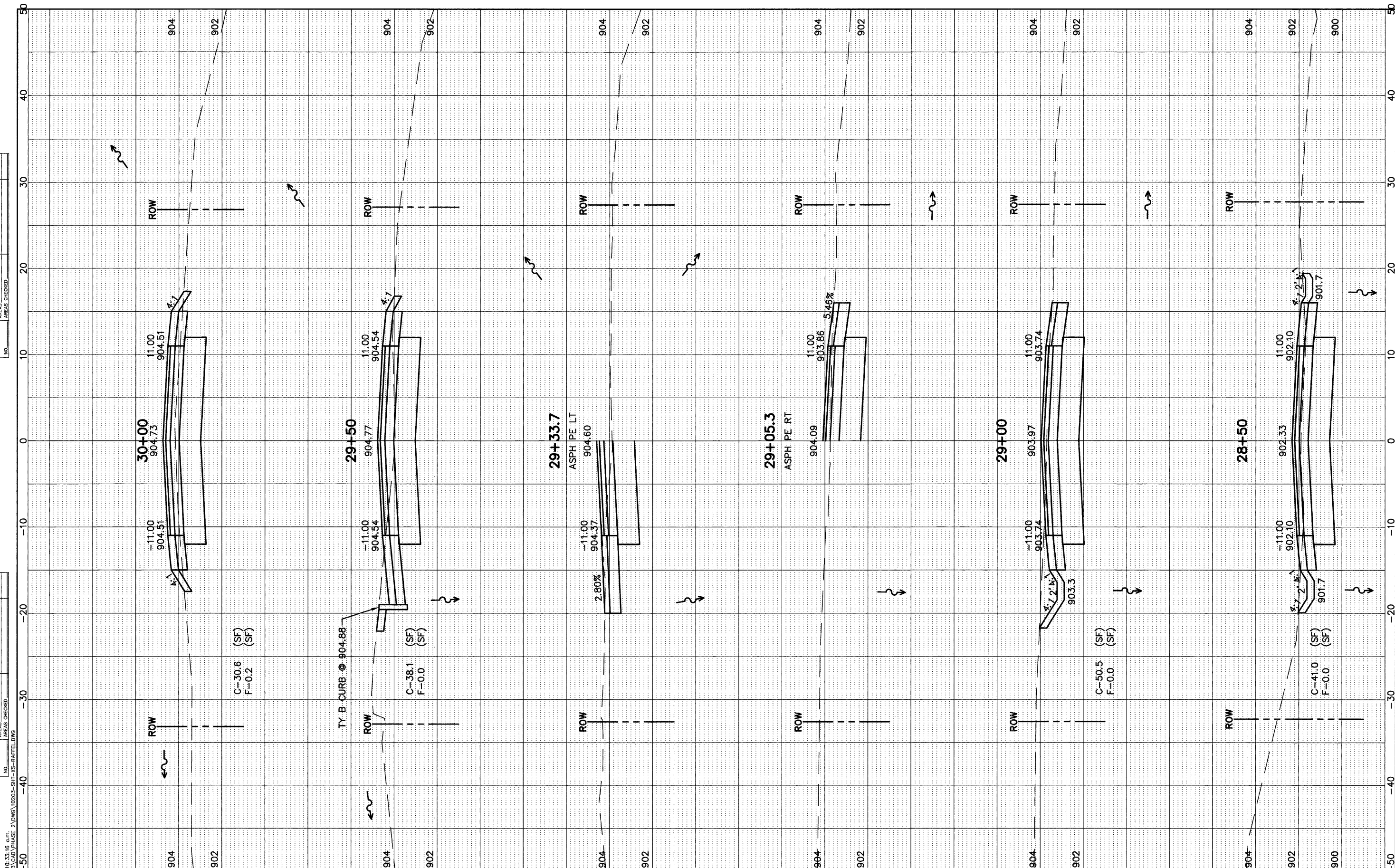
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041	09-00110-00-PV	McHENRY	22	16
RAFFEL ROAD		CONTRACT NO. 63283		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ARA-9003(445)				



SCALE: SHEET NO. OF SHEETS STA. 26+41.5 TO STA. 28+00

FINAL SURVEY NO.	BY	DATE
NO.		
NO.		
NO.		
NO.		

ORIGINAL SURVEY NO.	BY	DATE
NO.		
NO.		
NO.		
NO.		



April 28, 2009 10:33:16 a.m.
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



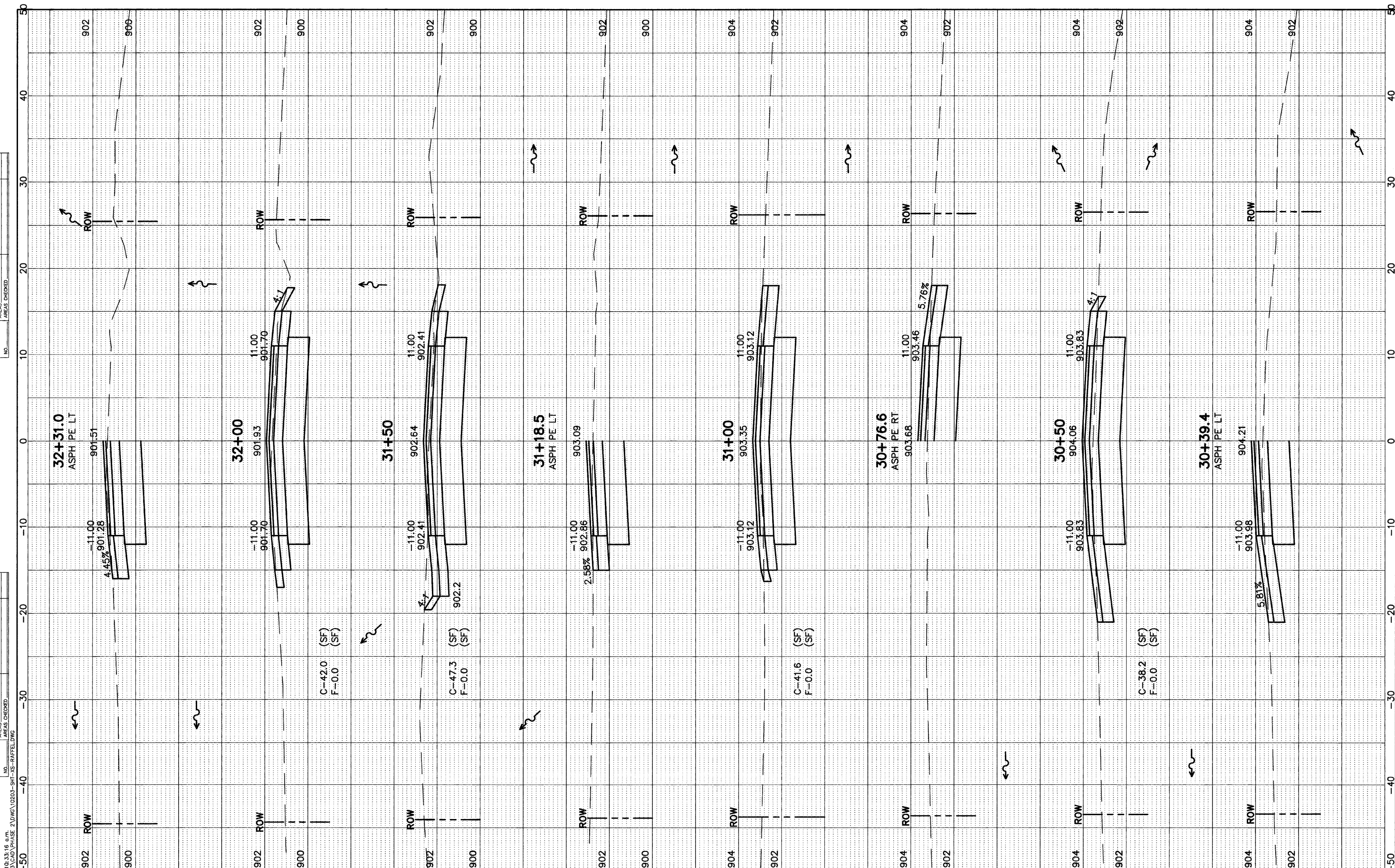
RAFFEL ROAD IMPROVEMENTS
CROSS SECTIONS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
041	09-00110-00-PV	McHENRY	22	17
RAFFEL ROAD		CONTRACT NO. 63283		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ARA-9003(445)				

SCALE: SHEET NO. OF SHEETS STA. 28+50 TO STA. 30+00

FINAL SURVEY NO.	BY	DATE
NO. _____		
NO. _____		
NO. _____		
NO. _____		
NO. _____		

ORIGINAL SURVEY NO.	BY	DATE
NO. _____		
NO. _____		
NO. _____		
NO. _____		
NO. _____		



FILE NAME =
 USER NAME =
 DESIGNED --
 DRAWN --
 CHECKED --
 PLOT DATE =

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

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION



RAFFEL ROAD IMPROVEMENTS
 CROSS SECTIONS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
041	09-00110-00-PV	McHENRY	22	18
RAFFEL ROAD		CONTRACT NO. 63283		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ARA-9003(445)				

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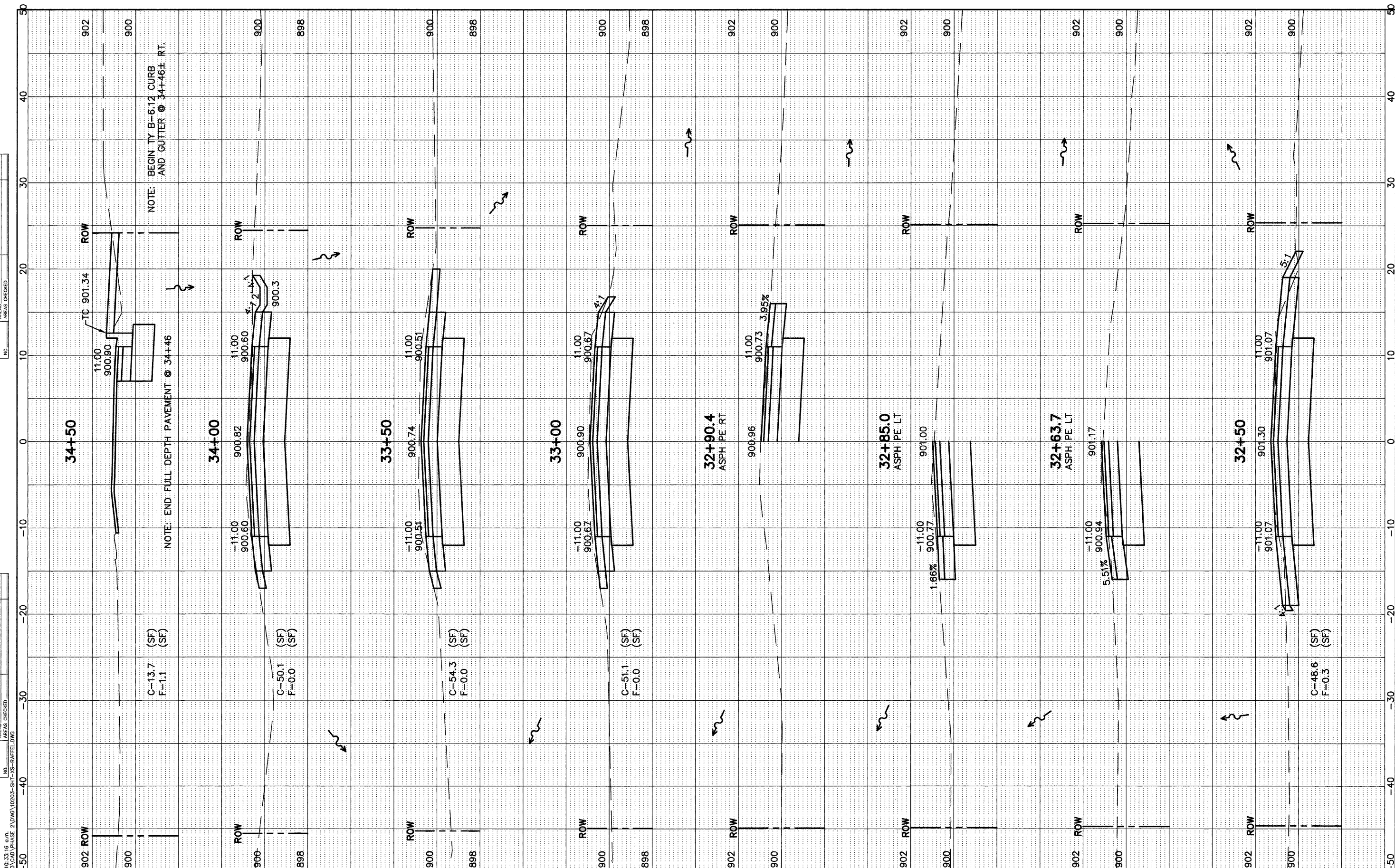
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PLOTTED	BY
TEMPLATE	
AREAS CHECKED	
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ORIGINAL SURVEY	DATE
PLOTTED	BY
TEMPLATE	
AREAS CHECKED	
NO.	

FILE NAME =
 USER NAME =
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 PLOT DATE =

REVISIONS	DATE
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION



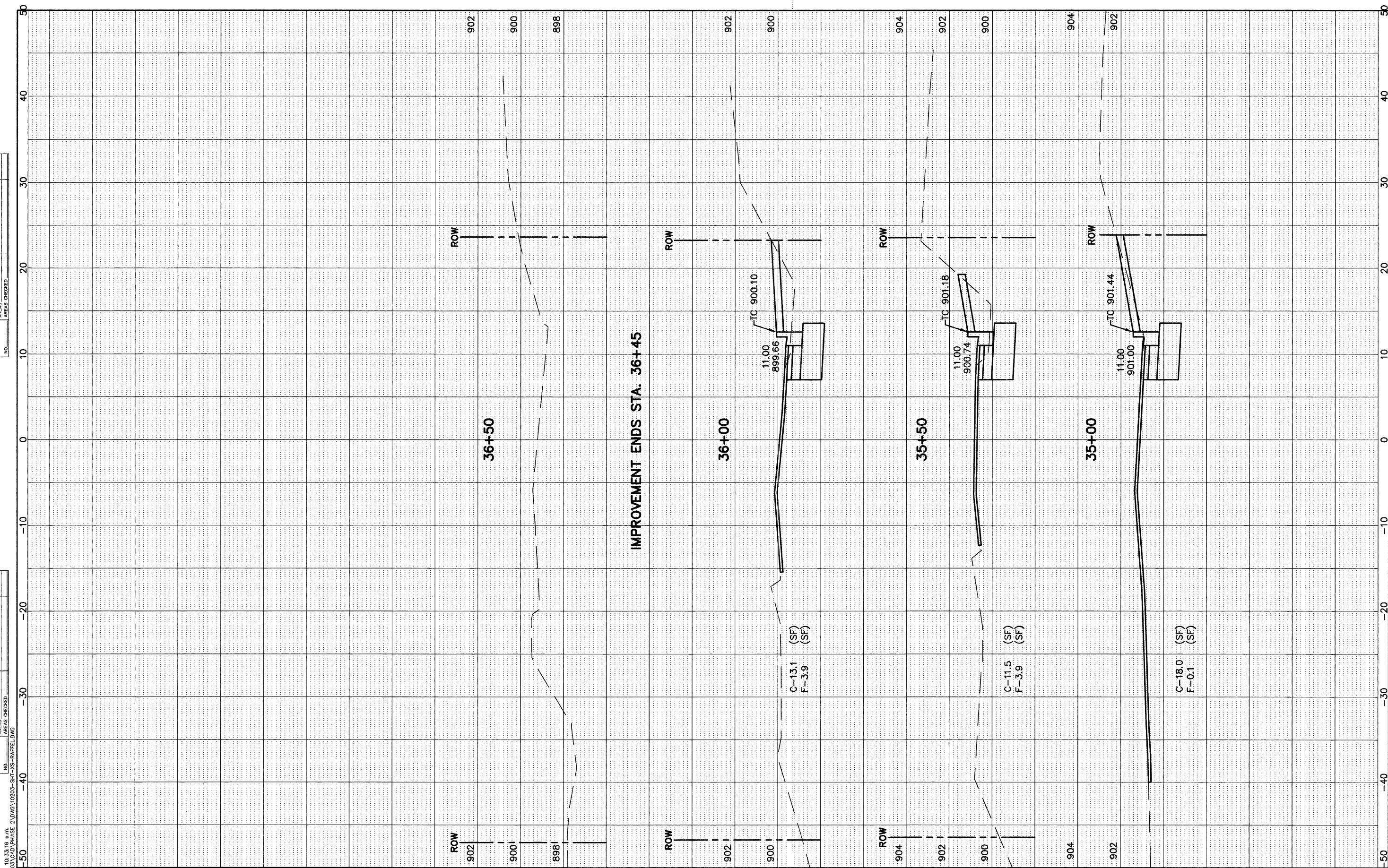
RAFFEL ROAD IMPROVEMENTS
 CROSS SECTIONS

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
041	09-00110-00-PV	McHENRY	22	19
RAFFEL ROAD	CONTRACT NO. 63283			
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ARA-9003(445)				

SCALE: SHEET NO. OF SHEETS STA. 32+50 TO STA. 34+50

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

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



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 DATE --
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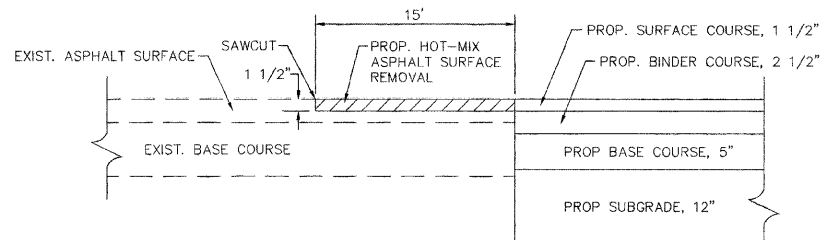
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION



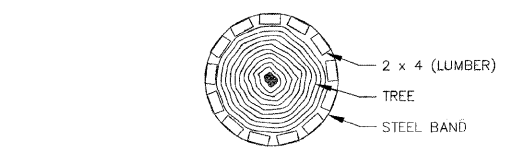
RAFFEL ROAD IMPROVEMENTS
 CROSS SECTIONS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
041	09-00110-00-PV	McHENRY	22	20
RAFFEL ROAD			CONTRACT NO. 63283	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ARA-9003(445)				

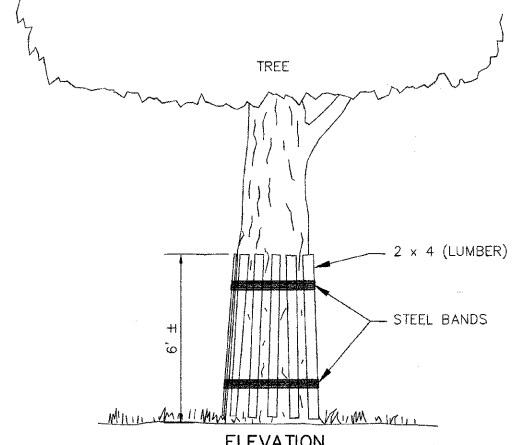
SCALE: SHEET NO. OF SHEETS STA. 35+00 TO STA. 36+50



BUTT JOINT DETAIL

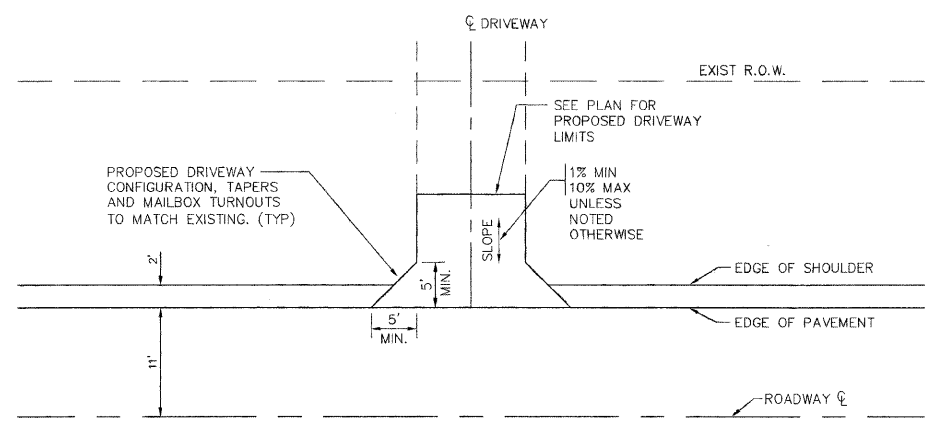


PLAN VIEW

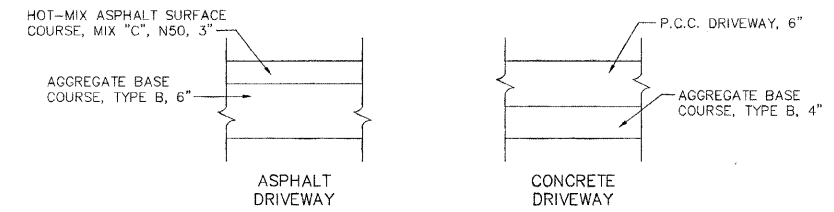


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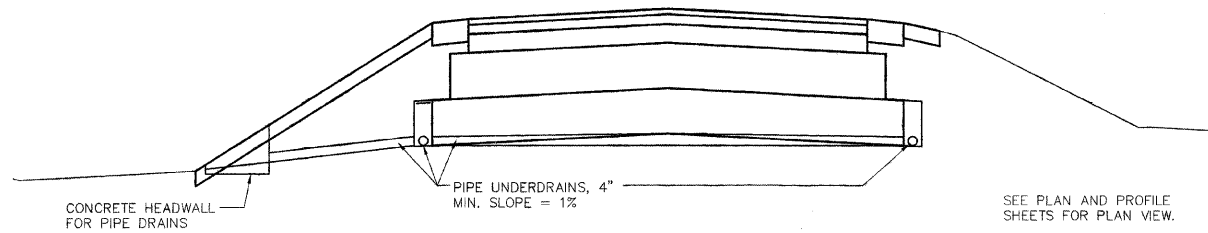
TREE PROTECTION DETAIL



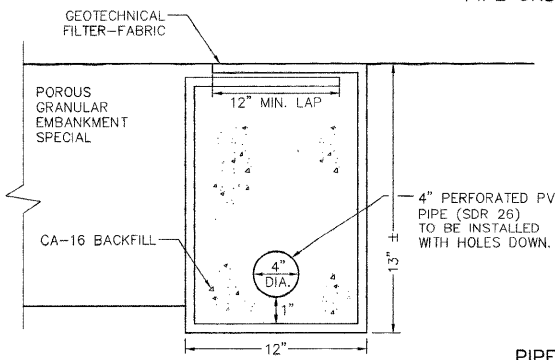
DRIVEWAY DETAIL



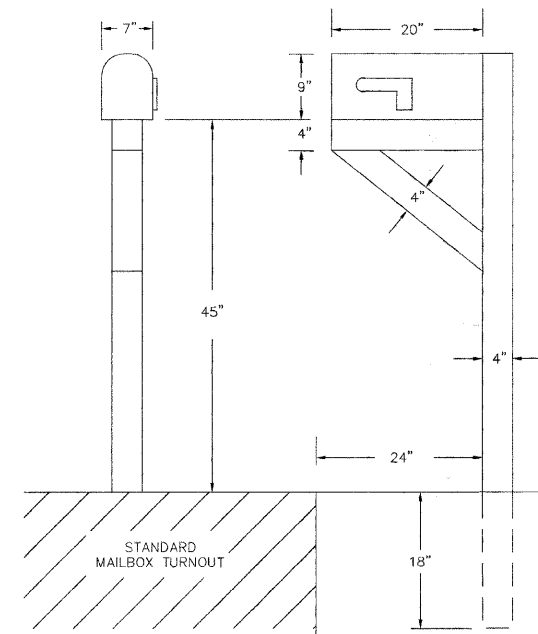
ASPHALT DRIVEWAY CONCRETE DRIVEWAY



PIPE UNDERDRAIN CROSSING



PIPE UNDERDRAIN DETAIL



MAILBOX AND POST DETAIL

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

PROFILE	DATE	BY
NO.		
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FILE NAME =	USER NAME =	DESIGNED --	REVISED --
PLOT SCALE =	PLOT DATE =	DRAWN --	REVISED --
		CHECKED --	REVISED --
		DATE --	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

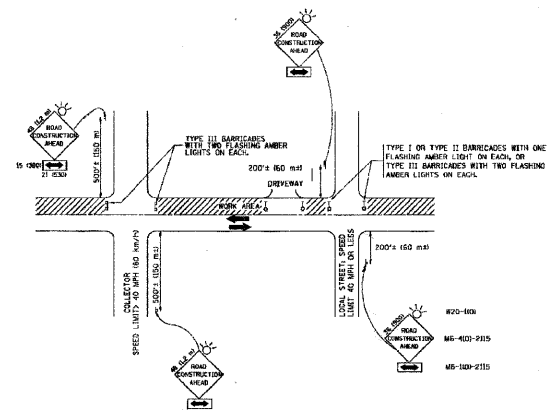


RAFFEL ROAD IMPROVEMENTS
SPECIAL DETAILS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
041	09-00110-00-PV	McHENRY	22	21
RAFFEL ROAD		CONTRACT NO. 63283		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT ARA-9003(445)		

SCALE: SHEET NO. OF SHEETS STA. 31+00 TO STA. 36+50

DATE	
BY	
REVISION	
NO.	
PLAN	
NOTE BOOK	
NO.	
CHECKED	
FILE NAME	



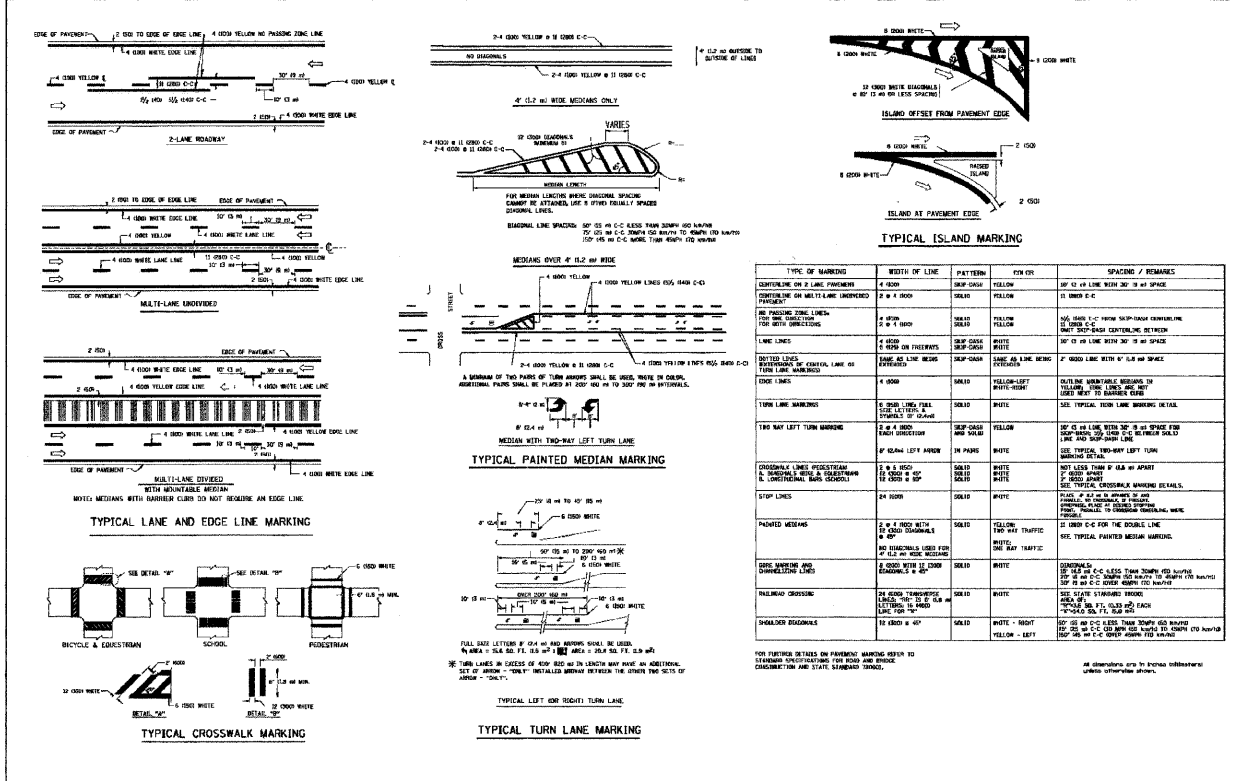
TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

NOTES:

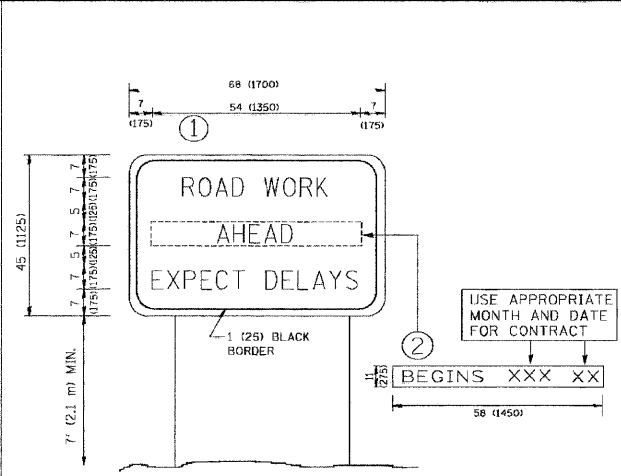
1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH OR LESS AS SHOWN ON THE SIGNAGE AND AS DIRECTED BY THE ENGINEER. USE TYPE III BARRICADES WITH TWO FLASHING AMBER LIGHTS ON EACH. 200' x 80' MIN. 15' HIGH. 27" WIDE. 200' x 150' MIN. 15' HIGH. 27" WIDE. 200' x 150' MIN. 15' HIGH. 27" WIDE. 200' x 150' MIN. 15' HIGH. 27" WIDE.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH AS SHOWN ON THE SIGNAGE AND AS DIRECTED BY THE ENGINEER. USE TYPE I OR TYPE II BARRICADES WITH ONE FLASHING AMBER LIGHT ON EACH, OR TYPE III BARRICADES WITH TWO FLASHING AMBER LIGHTS ON EACH. 200' x 150' MIN. 15' HIGH. 27" WIDE. 200' x 150' MIN. 15' HIGH. 27" WIDE.
3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE STOPPING AND THE WORK ZONE, A SINGLE BARRICADE MUST BE USED IN LIEU OF THE DOUBLE BARRICADES SHOWN HERE.
4. USE APPROPRIATE PORTION OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (TCD) FROM THE APPROPRIATE STANDARD. THE WIDTH OF THE SIDE ROAD BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE OPERATIONAL AMBUSH SHALL BE CONSIDERED IN ADVANCE OF THE SIDE ROAD LANE CLEARANCE.
5. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE NOTED.
6. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

FILE NAME	DESIGNED	DATE	REVISION	DATE	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE	SECTION	COUNTY	SHEET NO.	TOTAL SHEETS
DESIGNED	DATE	REVISION	DATE	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE	SECTION	COUNTY	SHEET NO.	TOTAL SHEETS	

DATE	
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REVISION	
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PROFILE	
NOTE BOOK	
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FILE NAME	DESIGNED	DATE	REVISION	DATE	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE	SECTION	COUNTY	SHEET NO.	TOTAL SHEETS
DESIGNED	DATE	REVISION	DATE	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE	SECTION	COUNTY	SHEET NO.	TOTAL SHEETS	



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN (1) WITH INSTALLED PANEL (2) ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL (2) SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

FILE NAME	DESIGNED	DATE	REVISION	DATE	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE	SECTION	COUNTY	SHEET NO.	TOTAL SHEETS
DESIGNED	DATE	REVISION	DATE	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE	SECTION	COUNTY	SHEET NO.	TOTAL SHEETS	

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