

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9266	06-00062-06-PV	ST. CLAIR	80	1
FHWA REG. NO. 7 ILLINOIS		PROJECT NO. RS-0163(035)		
FEDERAL AID PROJECT		CONTRACT NO. 97457		

INDEX OF SHEETS

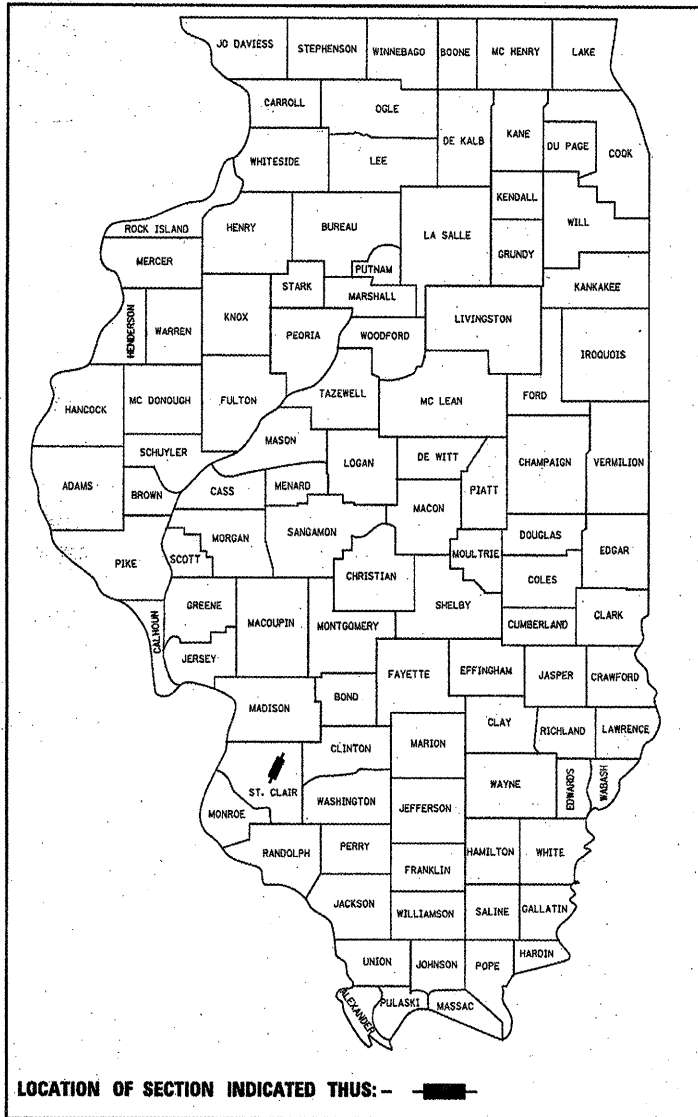
COVER	1
GENERAL NOTES	2
SUMMARY OF QUANTITIES	3-4
TYPICAL SECTIONS	5-9
ALIGNMENT TIES	10
SCHEDULES	11-15
PLAN AND PROFILE	16-28
TRAFFIC CONTROL PLAN	29-37
EROSION AND SEDIMENT CONTROL PLAN	38-39
WARPING PLANS	40
ENTRANCE DETAILS AND SPECIAL INLET DETAIL	41-42
PAVEMENT MARKING PLAN	43-44
SIGNAL PLANS	45-48
CROSS SECTIONS	49-80

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

PROPOSED HIGHWAY PLANS

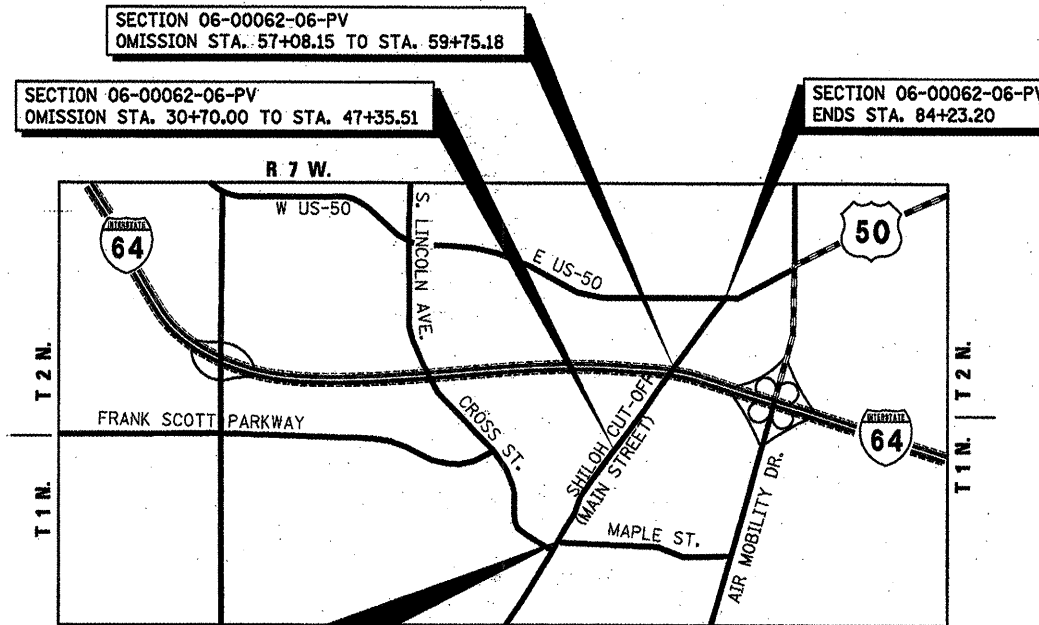
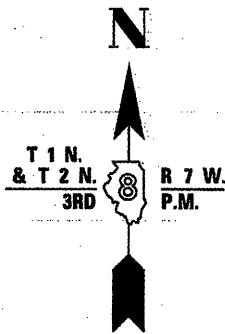
FAU ROUTE 9266 SHILOH CUT-OFF (MAIN STREET)
SECTION 06-00062-06-PV
PROJECT NO.: RS-0163(035)
ROADWAY RECONSTRUCTION
ST. CLAIR COUNTY
JOB NO.: C-98-326-10
FUNDING: SURFACE TRANSPORTATION RURAL



LOCATION OF SECTION INDICATED THUS: —

STANDARDS

000001-06	604091-02	780001-02
280001-05	606001-04	781001-03
420001-07	606006-02	805001-01
424001-05	606101-04	814001-02
482001-02	606106-04	814006-02
542301-03	630001-09	857001-01
602301-03	631011-07	873001-02
602306-03	635006-03	877001-04
602401-03	635011-02	878001-08
602406-04	667101-01	880006-01
602701-02	701701-07	886001-01
604001-03	701901-01	886006-01
604011-04	720001-01	BLR21-8
604036-02	720016-02	BLR22-6
604041-02		
604066-02		



LOCATION MAP

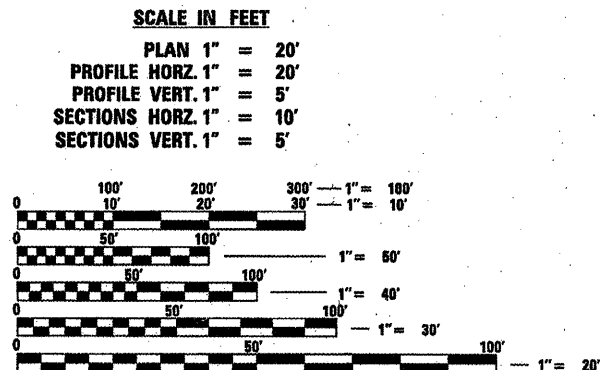
SCALE: 1" = 1/2 MILE

NET LENGTH OF PROJECT = 6140.66 FEET (1.163 MILES)

DESIGN DESIGNATION

SHILOH CUT-OFF (MAIN STREET)
 STA. 3+50.00 TO STA. 49+27.35
 ROADWAY CLASSIFICATION: = URBAN ARTERIAL
 DESIGN SPEED: = 40 MPH
 CURRENT TRAFFIC (2010): = 5,100 A.D.T.
 DESIGN YEAR TRAFFIC (2030): = 6,220 A.D.T.

SHILOH CUT-OFF (MAIN STREET)
 STA. 49+27.35 TO STA. 84+23.20
 ROADWAY CLASSIFICATION: = SUBURBAN ARTERIAL
 DESIGN SPEED: = 50 MPH
 CURRENT TRAFFIC (2010): = 7,170 A.D.T.
 DESIGN YEAR TRAFFIC (2030): = 8,750 A.D.T.



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

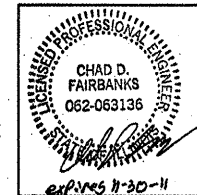
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

APPROVED April 15, 2011
Daniel Cote
 ST. CLAIR COUNTY ENGINEER

PASSED April 26, 2011
J. Mat...
 DISTRICT 8 ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW April 26, 2011
Mary C. Yarn...
 DEPUTY DIRECTOR OF HIGHWAYS, REGION 5 ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS



kdg
 Kuhlmann Design Group, Inc.
 15 E. Washington St.
 Belleville, IL 62220-2149
 Tel: (618) 234-8898
 Belleville, Illinois
 St. Louis, Missouri

4-13-11

DATE

GENERAL NOTES

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9266	06-00062-06-PV	ST. CLAIR	80	2
FHWA REG. NO. 7 ILLINOIS		PROJECT NO. RS-0163(035)		
FEDERAL AID PROJECT		CONTRACT NO. 97457		

GENERAL NOTES

1. UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS. THEIR LOCATIONS MUST BE CONSIDERED TO BE APPROXIMATE ONLY. IT IS POSSIBLE THERE MAY BE OTHERS. THE EXISTENCE OF WHICH IS NOT PRESENTLY KNOWN OR SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXISTENCE AND EXACT LOCATION AND TO AVOID DAMAGE THEREOF. ILLINOIS LAW REQUIRES A MINIMUM 48-HOUR NOTICE TO ALL UTILITY COMPANIES BEFORE DIGGING. FIELD LOCATIONS OF UNDERGROUND FACILITIES MAY BE OBTAINED BY CALLING THE J.U.L.I.E. SYSTEM AT 800-892-0123 AND PROVIDING 48-HOURS ADVANCE NOTICE. NON-J.U.L.I.E. MAY BE CONTACTED DIRECT. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT LIMITS ARE LISTED BELOW.

2. ANY FACILITIES OR APPURTENANCES WHICH ARE THE PROPERTY OF ANY PUBLIC UTILITY LOCATED WITHIN THE LIMITS OF CONSTRUCTION SHALL BE RELOCATED OR ADJUSTED BY THEIR RESPECTIVE OWNERS. THE CONTRACTOR SHALL NOTIFY AND COOPERATE WITH THE OWNERS OF ANY SUCH FACILITY IN THEIR REMOVAL AND REARRANGEMENT OPERATIONS IN ORDER THAT THESE OPERATIONS AND THE CONSTRUCTION OF THIS PROJECT MAY PROGRESS IN A REASONABLE MANNER. ALL ROADSIDE OBJECTS (UTILITY POLES, FIRE HYDRANTS, SIGNS, ETC.) SHALL BE RELOCATED TO PROVIDE A MINIMUM OF 2 FEET CLEARANCE, MEASURED FROM THE FACE OF CURB TO THE NEAR EDGE OF THE OBJECT.

3. THE FOLLOWING UTILITY COMPANIES HAVE FACILITIES LOCATED WITHIN THE LIMITS OF CONSTRUCTION WHICH MAY REQUIRE ADJUSTMENT, RELOCATION OR REMOVAL.

CHARTER COMMUNICATIONS
MAPPING & DESIGN DEPARTMENT
941 CHARTER COMMONS
TOWN AND COUNTRY, MO 63017

TELEPHONE
ATA
203 GOETHE AVENUE FLOOR 2
COLLINSVILLE, IL 62234

SANITARY SEWER
VILLAGE OF SHILOH
1 PARK DRIVE
SHILOH, IL 62269

GAS/ELECTRIC
AMEREN IP
1050 WEST BOULEVARD
BELLEVILLE, IL 62221

WATER
ILLINOIS AMERICAN WATER CO.
100 NORTH WATER WORKS DRIVE
BELLEVILLE, IL 62223

WATER
CITY OF O'FALLON
255 SOUTH LINCOLN
O'FALLON, IL 62269

4. THE ABOVE INFORMATION REPRESENTS THE BEST INFORMATION AVAILABLE TO THE LOCAL AGENCY AND IS ONLY INCLUDED FOR THE CONVENIENCE OF THE BIDDER. IT IS UNDERSTOOD AND AGREED THAT THE CONTRACTOR HAS TAKEN THE FOREGOING INTO CONSIDERATION IN PREPARING HIS/HER BID, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR ANY DELAYS OR INCONVENIENCE CAUSED BY SAME.

5. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL CONTACT THE LOCAL POSTMASTER FOR APPROVAL OF THE TEMPORARY MAILBOX LOCATIONS.

6. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO ORDERING MATERIALS AND COMMENCING CONSTRUCTION.

7. THE CONTRACTOR SHALL CONFINE ALL OPERATIONS TO THE AREA WITHIN THE CONSTRUCTION LIMIT LINES SHOWN ON THE PLANS. ANY AREA DISTURBED BEYOND THESE LIMITS SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT THE CONTRACTORS EXPENSE.

8. THE CONTRACTOR SHALL FERTILIZE, SEED AND MULCH ALL EARTH SURFACES DISTURBED BY CONSTRUCTION. ANY EARTH SURFACE BEYOND THE RIGHT OF WAY (EXISTING OR PROPOSED) DISTURBED BY CONSTRUCTION SHALL BE THE RESPONSIBILITY OF AND COST TO THE CONTRACTOR. SEE THE SEEDING SCHEDULE FOR ESTIMATED PLAN QUANTITIES.

9. WHERE TREE REMOVAL CONFLICTS WITH EXISTING UNDERGROUND UTILITIES, THE CONTRACTOR SHALL CUT THE TREE OFF AT THE GROUND LINE AND GRIND THE STUMP AS DIRECTED BY THE ENGINEER.

10. PRIOR TO STARTING EARTHWORK OPERATIONS IN AREAS THAT DO NOT REQUIRE EXCAVATION, THE EXISTING BITUMINOUS (OIL & CHIP) ROADWAY SURFACE SHALL BE SCARIFIED OR BROKEN BY MECHANICAL MEANS, REDUCING ALL PARTICLES TO A SIZE NOT LARGER THAN 6 INCHES IN THE LARGEST DIMENSION.

11. THE CONTRACTOR SHALL BENCH THE PROPOSED EMBANKMENT INTO THE EXISTING SLOPES TO THE SATISFACTION OF THE ENGINEER.

12. THE THICKNESS OF THE BITUMINOUS MIXTURES SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURES ARE PLACED.

13. ALL STORM SEWER, STONE RETAINING WALL, GUARDRAIL, AND CULVERT PIPE TO BE REMOVED, WHICH THE ENGINEER DEEMS FIT FOR RE-USE, SHALL BE SALVAGED BY THE CONTRACTOR IN ACCORDANCE WITH ARTICLE 501.02 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" AND BECOME THE PROPERTY OF THE COUNTY IF NOT RE-USED ON THE PROJECT. THE CONTRACTOR SHALL DISPOSE OF ALL OTHER STORM SEWER, STONE RETAINING WALL, GUARDRAIL, AND CULVERT PIPE IN ACCORDANCE WITH ARTICLE 202.03.

14. THE PAVEMENT MARKING LOCATIONS SHOWN IN THE PLANS ARE APPROXIMATE. PROPOSED CROSSWALKS AND STOP BARS SHALL BE ADJUSTED BY THE CONTRACTOR, IF NECESSARY, TO MATCH EXISTING FIELD CONDITIONS.

15. ALL UPSTREAM AND DOWNSTREAM ENDS OF PROPOSED METAL CULVERTS SHALL BE FURNISHED BY THE CONTRACTOR WITH TAPERED ENDS UNLESS SPECIFIED OTHERWISE IN THE PLANS.

16. STORM SEWER INVERTS SHOWN ON THE PLANS HAVE BEEN CALCULATED TO THE CENTER OF THE STRUCTURE. THE STORM SEWER SLOPES SHOWN ON THE PLANS IS THE PERCENT GRADE FROM CENTER OF STRUCTURE. THE LENGTH OF STORM SEWERS SHOWN ON THE PLANS IS THE DISTANCE FROM CENTER TO CENTER OF STRUCTURE. STORM SEWER SHALL BE MEASURED AND PAID FOR AS SPECIFIED IN ARTICLE 550.09 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION". FLARED END SECTIONS ARE LOCATED BY STATION, OFFSET AND FLOWLINE ELEVATION AT THE FLARED END OF THE FLARED END SECTION.

17. THE OFFSETS TO ALL INLETS, MANHOLES AND ETC. ARE TO THE CENTER OF THE STRUCTURE AS TO BE CONSTRUCTED.

18. THE CONTRACTOR SHALL INCLUDE THE COST OF MAKING CONNECTIONS TO EXISTING DRAINAGE STRUCTURES IN THE CONTRACT UNIT PRICE FOR THE STORM SEWER ITEMS INVOLVED.

19. SEE THE SPECIAL PROVISIONS FOR OTHER INCIDENTAL CONSTRUCTION ITEMS AND OPERATION WHICH ARE TO BE INCLUDED WITH AND PAID FOR UNDER CERTAIN SPECIFICATION PAY ITEMS.

20. IF ASH TREES ARE REMOVED ON THE PROJECT, THE CONTRACTOR SHALL BECOME FAMILIAR WITH AND COMPLY WITH MEASURES SPECIFIED BY THE ILLINOIS DEPARTMENT OF AGRICULTURE (IDOA) TO PREVENT THE SPREAD OF THE EMERALD ASH BORER. THE IDOA INFORMATION FOR ASH TREE REMOVAL CAN BE FOUND ON THE IDOA WEBSITE AT WWW.AGR.STATE.IL.US/EAB.

21. SAINT CLAIR COUNTY ANTICIPATES AN ADDITIONAL CONTRACT BEGINNING AT STATION 30+75 AND EXTENDING IN A NORTHERLY DIRECTION TO STATION 47+35. IN THE EVENT THAT BOTH PROJECTS ARE UNDER CONSTRUCTION AT THE SAME TIME, COMPLETE COOPERATION BETWEEN CONTRACTORS WILL BE REQUIRED TO MAINTAIN ACCESS FOR THE LOCAL RESIDENTS.

22. EACH CONTRACTOR INVOLVED SHALL ASSUME ALL LIABILITY, FINANCIAL OR OTHERWISE, IN CONNECTION WITH HIS/HER CONTRACT, AND SHALL PROTECT AND SAVE HARMLESS THE DEPARTMENT FROM ANY AND ALL DAMAGES OR CLAIMS THAT MAY ARISE BECAUSE OF INCONVENIENCE, DELAY, OR LOSS EXPERIENCED BY THE CONTRACTOR TO MAINTAIN ACCESS FOR THE LOCAL RESIDENTS OR BECAUSE OF THE PRESENCE AND OPERATION OF OTHER CONTRACTORS WORKING WITHIN THE LIMITS OF THE SAME IMPROVEMENT.

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

AGGREGATE FOR TEMPORARY ACCESS	28 TON
SHORT TERM PAVEMENT MARKING	6,141 FOOT
ADJUSTING WATER SERVICE LINES	60 FOOT
ADJUSTING SANITARY SEWERS, 8-INCH DIAMETER OR LESS	60 FOOT

24. THE FOLLOWING FACTORS WERE USED TO DETERMINE THE REQUIRED AMOUNT OF MATERIALS NEEDED:

AGGREGATE (PRIME COAT)	20 LBS/SQ YD
AGGREGATE FOR TEMPORARY ACCESS	1.85 TONS/CU YD
BITUMINOUS MATERIALS (PRIME COAT)	0.35 GAL/SQ YD
NITROGEN FERTILIZER NUTRIENT	90 LBS/ACRE
PHOSPHORUS FERTILIZER NUTRIENT	90 LBS/ACRE
POTASSIUM FERTILIZER NUTRIENT	90 LBS/ACRE
TEMPORARY EROSION CONTROL SEEDING	100 LBS/ACRE
INCIDENTAL HOT-MIX ASPHALT SURFACING	2.005 TONS/CU YD
AGGREGATE WEDGE SHOULDER, TYPE B	1.40 TONS/CU YD
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	2.005 TONS/CU YD
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	2.005 TONS/CU YD

25. THE FOLLOWING SYMBOLS, ABBREVIATIONS AND PATTERNS, SUPPLEMENT OR SUPERSEDE HIGHWAY STANDARD 000001:

FES	FLARED END SECTION
AD	ALGEBRAIC DIFFERENCE IN GRADE
BVCE	BEGINNING OF VERTICAL CURVE ELEVATION
BO	BEGINNING OF VERTICAL CURVE STATION
BY	BY OTHERS (USED IN CONJUNCTION WITH TBA & TBR)
CONSTR	CONSTRUCTION
CP	CONTROL POINT
ESMT	EASEMENT
ELEV	ELEVATION
EVCE	END OF VERTICAL CURVE ELEVATION
EVCS	END OF VERTICAL CURVE STATION
K	LENGTH OF VERTICAL CURVE PER PERCENT GRADE DIFFERENCE
N/F	NOW OR FORMERLY
O/C	OIL AND CHIP
PERM	PERMANENT
PVI	POINT OF VERTICAL INTERSECTION
PVC	POLYVINYL CHLORIDE PIPE
(R)	REMOVE
RCP	REINFORCED CONCRETE PIPE
TELE	TELEPHONE
TCE	TEMPORARY CONSTRUCTION EASEMENT
TUP	TEMPORARY USE PERMIT
TBA	TO BE ADJUSTED
TBRL	TO BE RELOCATED
TYP	TYPICAL
W	WIDTH

COMMITMENTS

VALLEY VIEW ESTATES:
EXISTING PROPERTY PINS AND NEW PINS AT PERMANENT EASEMENT CORNERS SHALL BE INSTALLED AFTER GRADING AND SEEDING HAS BEEN COMPLETED.

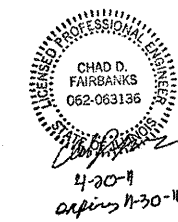


F.A.I.L. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9266	06-00062-06-PV	ST. CLAIR	80	3
FHWA REG. NO. 7 ILLINOIS		PROJECT NO. RS-0163(035)		
FEDERAL AID PROJECT		CONTRACT NO. 97457		

SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES				CONSTRUCTION CODE	
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				ROADWAY	TRAFFIC SIGNAL
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	515	515	
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	346	346	
20100500	TREE REMOVAL, ACRES	ACRE	1	1	
20200100	EARTH EXCAVATION	CU YD	12,945	12,945	
20800150	TRENCH BACKFILL	CU YD	2,283	2,283	
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	18,819	18,819	
25000200	SEEDING, CLASS 2	ACRE	5.0	5.0	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	405.0	405.0	
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	405.0	405.0	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	405.0	405.0	
25100115	MULCH, METHOD 2	ACRE	5.00	5.00	
25100630	EROSION CONTROL BLANKET	SQ YD	6,656	6,656	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	450	450	
28000305	TEMPORARY DITCH CHECKS	FOOT	128	128	
28000400	PERIMETER EROSION BARRIER	FOOT	8,631	8,631	
28000500	INLET AND PIPE PROTECTION	EACH	17	17	
28100101	STONE RIPRAP, CLASS A1	SQ YD	101	101	
28100127	STONE RIPRAP, CLASS B4	SQ YD	101	101	
28200200	FILTER FABRIC	SQ YD	101	101	
35100300	AGGREGATE BASE COURSE, TYPE A 4"	SQ YD	1,079	1,079	
35100700	AGGREGATE BASE COURSE, TYPE A 8"	SQ YD	18,788	18,788	
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	28	28	
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	6,358	6,358	
40600300	AGGREGATE (PRIME COAT)	TON	183	183	
40600895	CONSTRUCTING TEST STRIP	EACH	1	1	
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	1,271	1,271	
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	308	308	
40701901	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 11"	SQ YD	15,401	15,401	
40800010	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	38	38	
40800030	AGGREGATE (PRIME COAT)	TON	9	9	
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	42	42	
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	347	347	
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	912.0	912.0	
42400800	DETECTABLE WARNINGS	SQ FT	70	70	
44000100	PAVEMENT REMOVAL	SQ YD	14,051	14,051	
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	1,188	1,188	
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	64	64	

SUMMARY OF QUANTITIES				CONSTRUCTION CODE	
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				ROADWAY	TRAFFIC SIGNAL
44000600	SIDEWALK REMOVAL	SQ FT	720	720	
44004250	PAVED SHOULDER REMOVAL	SQ YD	1,372	1,372	
48100700	AGGREGATE SHOULDERS, TYPE A 8"	SQ YD	511	511	
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	466	466	
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	5,736	5,736	
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1	1	
50104400	CONCRETE HEADWALL REMOVAL	EACH	6	6	
50105220	PIPE CULVERT REMOVAL	FOOT	1,304	1,304	
542A1075	PIPE CULVERTS, CLASS A, TYPE 2 30"	FOOT	87	87	
542C0211	PIPE CULVERTS, CLASS C, TYPE 1 6"	FOOT	12	12	
542D0223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	86	86	
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	5	5	
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	5	5	
54213666	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 21"	EACH	1	1	
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	2	2	
54213675	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30"	EACH	4	4	
54213687	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 42"	EACH	1	1	
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	1,915	1,915	
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	634	634	
550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	1,052	1,052	
550A0400	STORM SEWERS, CLASS A, TYPE 2 21"	FOOT	123	123	
550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	435	435	
550A0420	STORM SEWERS, CLASS A, TYPE 2 27"	FOOT	240	240	
550A0430	STORM SEWERS, CLASS A, TYPE 2 30"	FOOT	408	408	
550A0450	STORM SEWERS, CLASS A, TYPE 2 36"	FOOT	288	288	
550A0470	STORM SEWERS, CLASS A, TYPE 2 42"	FOOT	23	23	
550A1050	STORM SEWERS, CLASS A, TYPE 4 36"	FOOT	33	33	
56300300	ADJUSTING WATER SERVICE LINES	FOOT	60	60	
56300100	ADJUSTING SANITARY SEWERS, 8-INCH DIAMETER OR LESS	FOOT	60	60	
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3	3	
60218500	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 3 FRAME AND GRATE	EACH	3	3	
60219100	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 9 FRAME AND GRATE	EACH	2	2	
60219500	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 15 FRAME AND LID	EACH	1	1	
60219540	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	40	40	
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3	3	
60221700	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 8 GRATE	EACH	2	2	
60221800	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 9 FRAME AND GRATE	EACH	1	1	



* DENOTES SPECIALTY ITEM

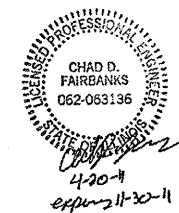
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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				ROADWAY	TRAFFIC SIGNAL
60222200	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 15 FRAME AND LID	EACH	1	1	
60222240	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	7	7	
60224075	MANHOLES, TYPE A, 6'-DIAMETER	EACH	1	1	
60235700	INLETS, TYPE A, TYPE 3 FRAME AND GRATE	EACH	1	1	
60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	3	3	
60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	EACH	2	2	
60240220	INLETS, TYPE B, TYPE 3 FRAME AND GRATE	EACH	5	5	
60240395	INLETS, TYPE B	EACH	2.0	2.0	
60403400	GRATES, TYPE A	EACH	3.0	3.0	
60500060	REMOVING INLETS	EACH	2.0	2.0	
60600095	CLASS SI CONCRETE (OUTLET)	CU YD	22.0	22.0	
60600605	CONCRETE CURB, TYPE B	FOOT	139.0	139.0	
60602500	CONCRETE GUTTER, TYPE A	FOOT	637.0	637.0	
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	6,450.0	6,450.0	
* 63000001	STEEL PLATE BEAM GUARD RAIL, TYPE A, 6 FOOT POSTS	FOOT	288.0	288.0	
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	1.0	1.0	
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	1	1	
63200310	GUARDRAIL REMOVAL	FOOT	325	325	
* 63301210	REMOVE AND RE-ERECT STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	513.0	513.0	
* 63301990	REMOVE AND RE-ERECT TRAFFIC BARRIER TERMINAL, TYPE 1	EACH	4	4	
* 63302700	REMOVE AND RE-ERECT TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4	4	
66700205	PERMANENT SURVEY MARKERS, TYPE I	EACH	6	6	
67100100	MOBILIZATION	L SUM	1	1	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	6,141	6,141	
72000100	SIGN PANEL - TYPE 1	SQ FT	5		5
72000200	SIGN PANEL - TYPE 2	SQ FT	52		52
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	62	62	
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	22,565	22,565	
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	141	141	
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	302	302	
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	130	130	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	90	90	
* 78200410	GUARDRAIL MARKERS, TYPE A	EACH	104	104	
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	6	6	
* 80500100	SERVICE INSTALLATION, TYPE A	EACH	1		1
* 81000300	CONDUIT IN TRENCH, 1" DIA., GALVANIZED STEEL	FOOT	92		92
* 81000500	CONDUIT IN TRENCH, 1 1/2" DIA., GALVANIZED STEEL	FOOT	92		92

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				ROADWAY	TRAFFIC SIGNAL
* 81012300	CONDUIT IN TRENCH, 1" DIA., PVC	FOOT	56		56
* 81012500	CONDUIT IN TRENCH, 1 1/2" DIA., PVC	FOOT	801		801
* 81012600	CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	249		249
* 81012800	CONDUIT IN TRENCH, 3" DIA., PVC	FOOT	14		14
* 81021350	CONDUIT PUSHED, 3" DIA., PVC	FOOT	59		59
* 81400100	HANDHOLE	EACH	7		7
* 81400300	DOUBLE HANDHOLE	EACH	1		1
* 85700200	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1		1
* 85706000	INTERSECTION MONITOR UNIT	EACH	1		1
* 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	856		856
* 87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	865		865
* 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1,534		1,534
* 87301804	ELECTRIC CABLE IN CONDUIT, SERVICE NO. 6 1C	FOOT	288		288
* 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	389		389
* 87502740	TRAFFIC SIGNAL POST, ALUMINUM 20 FT.	EACH	1		1
* 87700150	STEEL MAST ARM ASSEMBLY AND POLE, 22 FT.	EACH	1		1
* 87700190	STEEL MAST ARM ASSEMBLY AND POLE, 30 FT.	EACH	1		1
* 87700230	STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	1		1
* 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	3		3
* 87800210	CONCRETE FOUNDATION, TYPE D (SPECIAL)	FOOT	3		3
* 87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	37		37
* 88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1		1
* 88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	5		5
* 88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1		1
* 88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	1		1
* 88040260	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	2		2
* 88200300	TRAFFIC SIGNAL BACKPLATE, PLASTIC	EACH	6		6
* 88500515	INDUCTION LOOP DETECTOR AMPLIFIER WITH EXTENDED CALL - DELAY CALL	EACH	7		7
* 88600100	DETECTOR LOOP, TYPE 1	FOOT	4,036		4,036
X0325592	REMOVE AND REPLACE STONE RIPRAP	CU YD	56	56	
X6028000	MANHOLES TO BE RECONSTRUCTED (SPECIAL)	EACH	1	1	
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1	
Z0075496	CONCRETE RETAINING WALL REMOVAL	FOOT	139	139	
Z0076600	TRAINEES	HOUR	500	500	

△ 0042



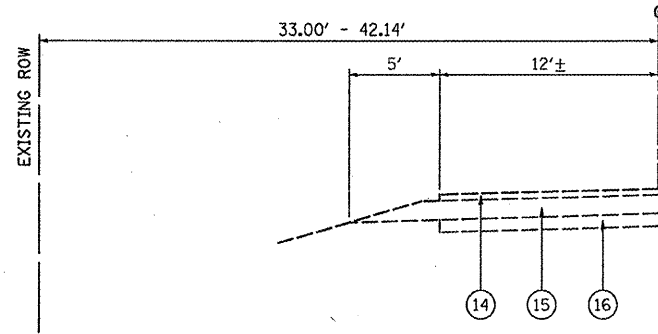
* DENOTES SPECIALTY ITEM

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9266	06-00062-06-PV	ST. CLAIR	80	5
FHWA REG. NO. 7 ILLINOIS		PROJECT NO. RS-0163(035)		
FEDERAL AID PROJECT		CONTRACT NO. 97457		

TYPICAL SECTIONS

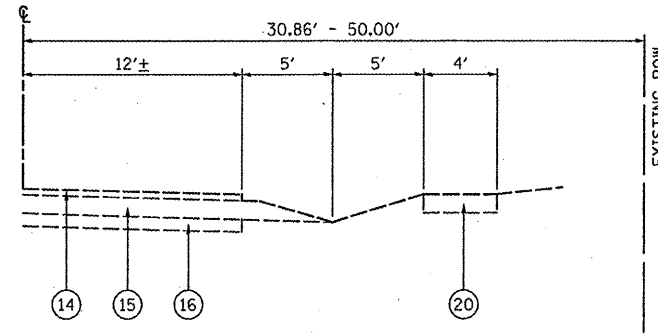
LEGEND

- ① PROPOSED HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 11" (2" SURFACE WITH 9" BINDER)
- ② PROPOSED AGGREGATE BASE COURSE, TYPE A 8"
- ③ PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ④ PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK, 4" STA. 3+30.00 TO 18+40.00
- ⑤ PROPOSED HOT-MIX ASPHALT SHOULDERS, 8"
- ⑥ PROPOSED 4 1/4" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70. LEVELING BINDER AS REQUIRED TO GENERATE PROPER CROSS SLOPE
- ⑦ EXISTING 1 1/2" BITUMINOUS CONCRETE BINDER COURSE EXISTING 1 1/2" BITUMINOUS CONCRETE SURFACE COURSE
- ⑧ EXISTING 8" STABILIZED BASE COURSE
- ⑨ EXISTING 4" SUB-BASE GRANULAR MATERIAL
- ⑩ EXISTING 8" STABILIZED SHOULDERS
- ⑪ EXISTING AGGREGATE SHOULDERS
- ⑫ INTENTIONALLY LEFT BLANK
- ⑬ PROPOSED CONCRETE GUTTER, TYPE A
- ⑭ EXISTING 2" OIL AND CHIP
- ⑮ EXISTING 6" COMPACTED GRAVEL BASE COURSE
- ⑯ EXISTING 4" CRUSHED STONE BASE COURSE
- ⑰ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
- ⑱ PROPOSED GEOTECHNICAL FABRIC FOR GROUND STABILIZATION.
- ⑲ PROPOSED 2" HOT-MIX ASPHALT SURFACE COURSE, MIX "D" N70
- ⑳ EXISTING CONCRETE SIDEWALK
- ㉑ PROPOSED GUARDRAIL
- ㉒ EXISTING GUARDRAIL
- ㉓ REERECTED EXISTING GUARDRAIL
- ㉔ EXISTING CONCRETE CURB AND GUTTER
- ㉕ FUTURE CONCRETE SIDEWALK
- ㉖ PROPOSED BITUMINOUS MATERIAL (PRIME COAT) PROPOSED AGGREGATE (PRIME COAT)
- ㉗ PROPOSED AGGREGATE SHOULDER TYPE A 8"



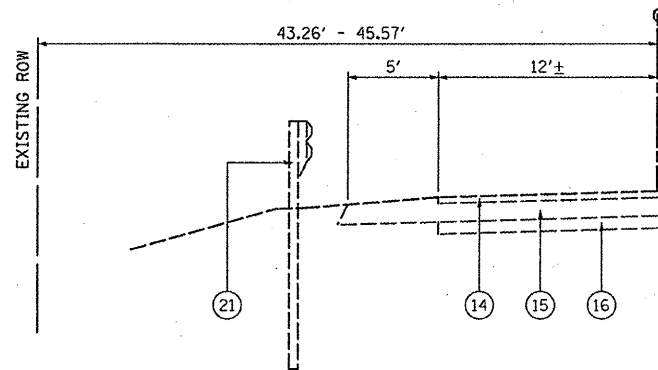
EXISTING SHILOH CUT-OFF (MAIN STREET)

STA. 3+50.00 TO STA. 9+00.00
STA. 12+37.71 TO STA. 30+70.00
(NOT TO SCALE)



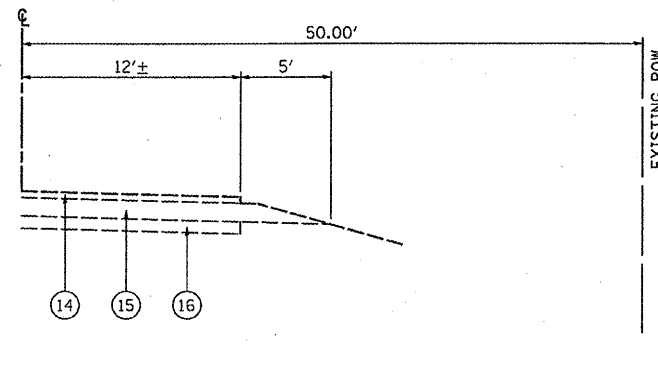
EXISTING SHILOH CUT-OFF (MAIN STREET)

STA. 3+50.00 TO STA. 17+94.27
(NOT TO SCALE)



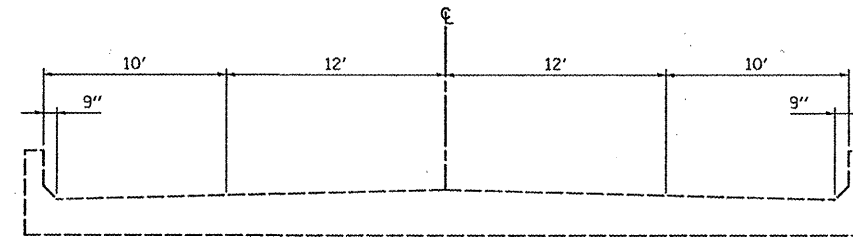
EXISTING SHILOH CUT-OFF (MAIN STREET)

STA. 9+00.00 TO STA. 12+37.71
STA. 65+91.54 TO STA. 84+23.20
(NOT TO SCALE)



EXISTING SHILOH CUT-OFF (MAIN STREET)

STA. 17+94.27 TO STA. 30+70.00
STA. 65+91.54 TO STA. 84+23.20
(NOT TO SCALE)

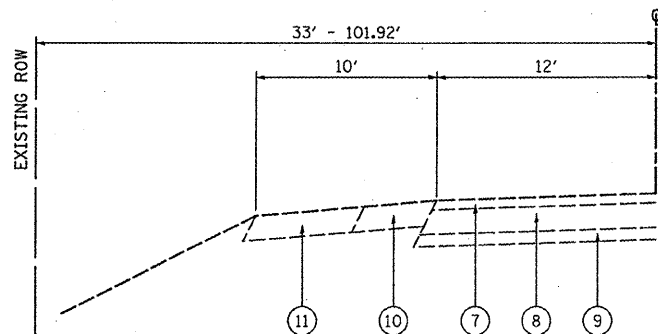


EXISTING SHILOH CUT-OFF (MAIN STREET) OVER I-64

STA. 57+08.15 TO STA. 59+75.18
(NOT TO SCALE)

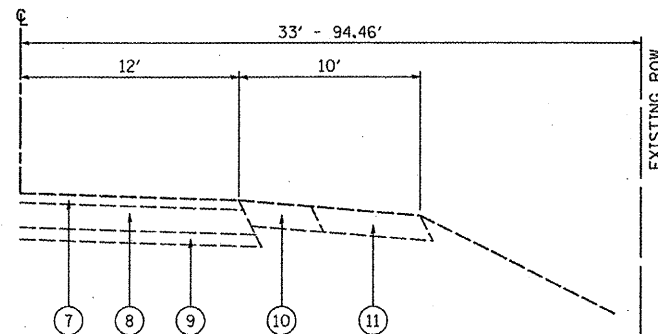


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Exp. 11-30-11



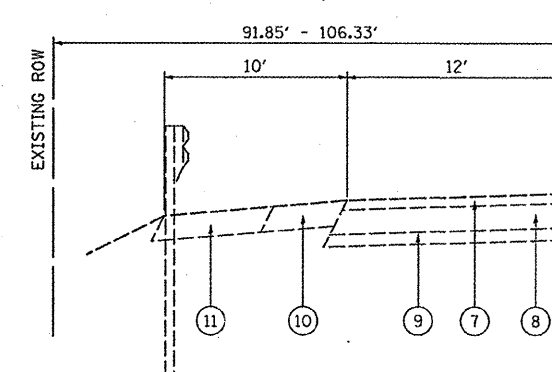
EXISTING SHILOH CUT-OFF (MAIN STREET)

STA. 47+35.51 TO STA. 55+00.25
STA. 62+00.53 TO STA. 65+91.54
(NOT TO SCALE)



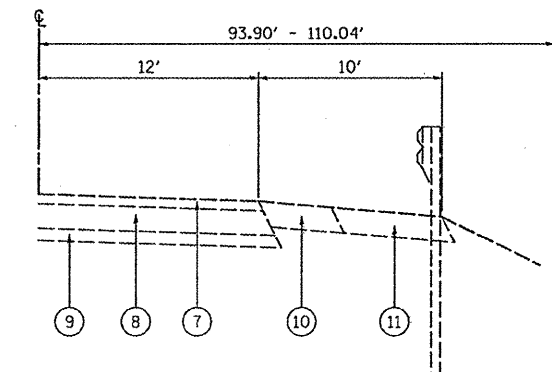
EXISTING SHILOH CUT-OFF (MAIN STREET)

STA. 47+35.51 TO STA. 55+00.25
STA. 61+51.12 TO STA. 65+91.54
(NOT TO SCALE)



EXISTING SHILOH CUT-OFF (MAIN STREET)

STA. 55+51.73 TO STA. 57+08.15
STA. 59+75.18 TO STA. 62+00.53
(NOT TO SCALE)

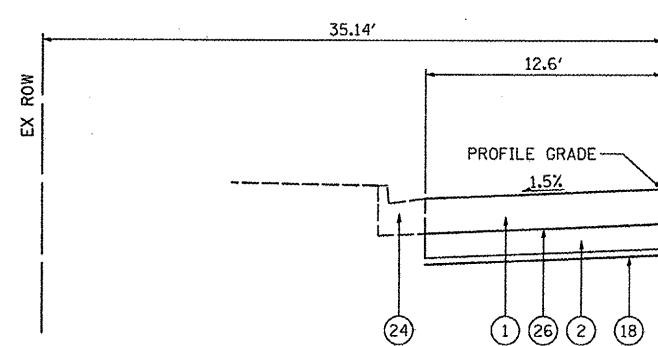


EXISTING SHILOH CUT-OFF (MAIN STREET)

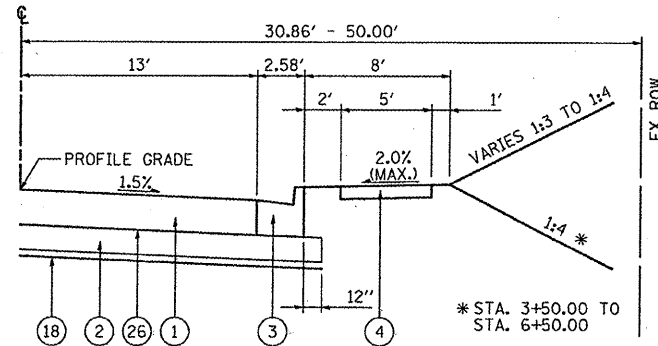
STA. 55+00.25 TO STA. 57+08.15
STA. 59+75.18 TO STA. 61+51.12
(NOT TO SCALE)

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9266	06-00062-06-PV	ST. CLAIR	80	6
FHWA REG. NO. 7	ILLINOIS	PROJECT NO.	RS-0163(035)	
FEDERAL AID PROJECT		CONTRACT NO.	97457	

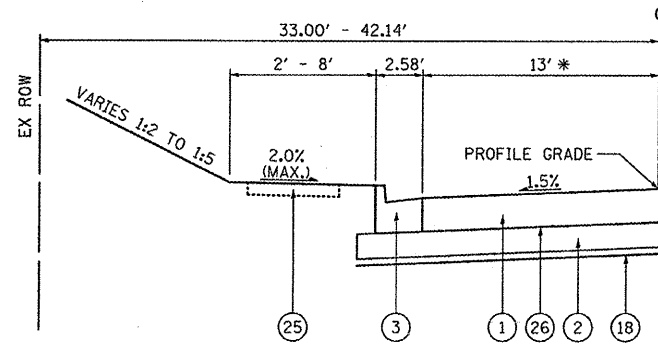
TYPICAL SECTIONS



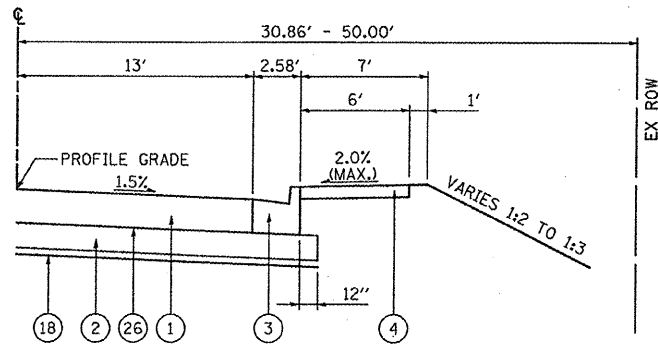
PROPOSED SHILOH CUT-OFF (MAIN STREET)
STA. 3+50.00 TO STA. 3+78.14
(NOT TO SCALE)



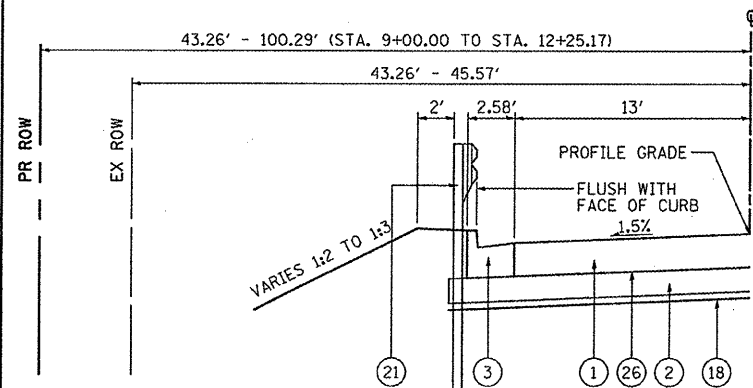
PROPOSED SHILOH CUT-OFF (MAIN STREET)
STA. 3+50.00 TO STA. 9+80.00
STA. 12+55.66 TO STA. 17+94.27
(NOT TO SCALE)



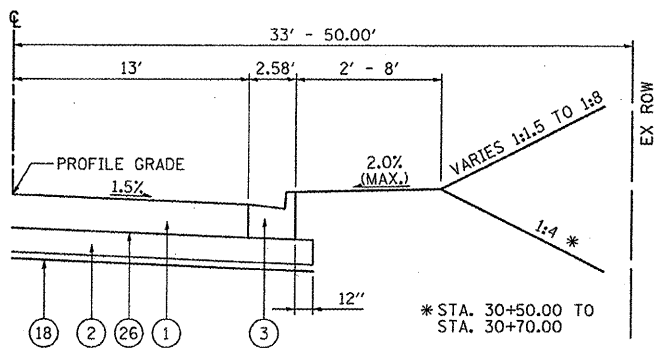
* VARIES FROM 12.6' TO 13', STA. 3+78.14 TO STA. 4+28.14
PROPOSED SHILOH CUT-OFF (MAIN STREET)
STA. 3+78.14 TO STA. 9+00.00
STA. 12+50.00 TO STA. 30+70.00
STA. 47+35.51 TO STA. 49+25.00
(NOT TO SCALE)



PROPOSED SHILOH CUT-OFF (MAIN STREET)
STA. 9+80.00 TO STA. 12+55.66
(NOT TO SCALE)



PROPOSED SHILOH CUT-OFF (MAIN STREET)
STA. 9+00.00 TO STA. 12+50.00
(NOT TO SCALE)



PROPOSED SHILOH CUT-OFF (MAIN STREET)
STA. 17+94.27 TO STA. 30+70.00
STA. 47+35.51 TO STA. 49+25.00
(NOT TO SCALE)

LEGEND

- ① PROPOSED HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 11" (2" SURFACE WITH 9" BINDER)
- ② PROPOSED AGGREGATE BASE COURSE, TYPE A 8"
- ③ PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ④ PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK, 4" STA. 3+30.00 TO 18+40.00
- ⑤ PROPOSED HOT-MIX ASPHALT SHOULDERS, 8"
- ⑥ PROPOSED 4 1/4" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70. LEVELING BINDER AS REQUIRED TO GENERATE PROPER CROSS SLOPE
- ⑦ EXISTING 1 1/2" BITUMINOUS CONCRETE BINDER COURSE
EXISTING 1 1/2" BITUMINOUS CONCRETE SURFACE COURSE
- ⑧ EXISTING 8" STABILIZED BASE COURSE
- ⑨ EXISTING 4" SUB-BASE GRANULAR MATERIAL
- ⑩ EXISTING 8" STABILIZED SHOULDERS
- ⑪ EXISTING AGGREGATE SHOULDERS
- ⑫ INTENTIONALLY LEFT BLANK
- ⑬ PROPOSED CONCRETE GUTTER, TYPE A
- ⑭ EXISTING 2" OIL AND CHIP
- ⑮ EXISTING 6" COMPACTED GRAVEL BASE COURSE
- ⑯ EXISTING 4" CRUSHED STONE BASE COURSE
- ⑰ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
- ⑱ PROPOSED GEOTECHNICAL FABRIC FOR GROUND STABILIZATION.
- ⑲ PROPOSED 2" HOT-MIX ASPHALT SURFACE COURSE, MIX "D" N70
- ⑳ EXISTING CONCRETE SIDEWALK
- ㉑ PROPOSED GUARDRAIL
- ㉒ EXISTING GUARDRAIL
- ㉓ REERECTED EXISTING GUARDRAIL
- ㉔ EXISTING CONCRETE CURB AND GUTTER
- ㉕ FUTURE CONCRETE SIDEWALK
- ㉖ PROPOSED BITUMINOUS MATERIAL (PRIME COAT)
PROPOSED AGGREGATE (PRIME COAT)
- ㉗ PROPOSED AGGREGATE SHOULDER TYPE A 8"

URBAN STRUCTURAL DESIGN TABLE
STA. 3+50.00 TO STA. 49+27.35

STRUCTURAL DESIGN TRAFFIC: YEAR 2020
PV = 5,630 SU = 507 MU = 169

ROAD/STREET CLASSIFICATION: CLASS II
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:
P = 50% S = 50% M = 50%

TRAFFIC FACTOR: ACTUAL TF = 0.154
MINIMUM TF = 0.500

SUBGRADE SUPPORT RATING
IBR = POOR (STA. 3+50.00 TO STA. 49+27.35)

RURAL STRUCTURAL DESIGN TABLE
STA. 49+27.35 TO STA. 84+23.20

STRUCTURAL DESIGN TRAFFIC: YEAR 2020
PV = 7,920 SU = 713 MU = 238

ROAD/STREET CLASSIFICATION: CLASS II
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:
P = 50% S = 50% M = 50%

TRAFFIC FACTOR: ACTUAL TF = 0.217
MINIMUM TF = 0.500

SUBGRADE SUPPORT RATING
IBR = POOR (49+27.35 TO STA. 84+23.20)

MIXTURE TABLE

MIXTURE USE	SURFACE	BINDER	SHOULDER	INCIDENTAL BIT SURF
AC/PG	PG 64-22	PG 64-22	PG 64-22	PG 64-22
RAP% (MAX.)	15%	15%	15%	15%
DESIGN AIR VOIDS	4% @ N70	4% @ N70	4% @ N70	4% @ N70
MIX COMPOSITION (GRADATION MIXTURE)	IL-9.5	IL-19.0	IL-19.0	IL-9.5
FRICTION AGG	MIXTURE D		BAM	MIXTURE C

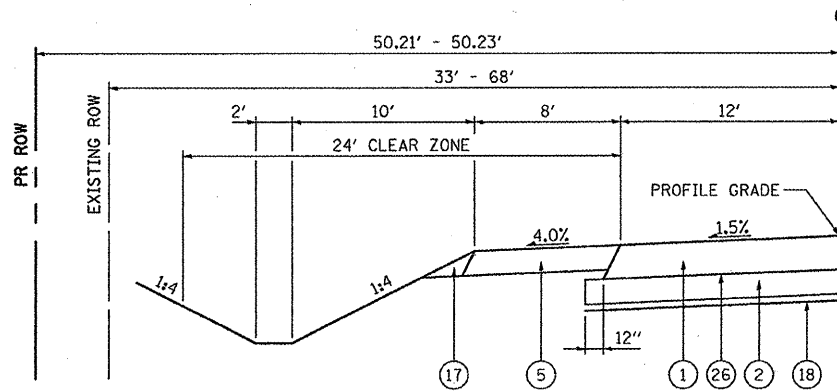


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9266	06-0062-06-PV	ST. CLAIR	80	7
FHWA REG. NO. 7 ILLINOIS		PROJECT NO. RS-0163(035)		
FEDERAL AID PROJECT		CONTRACT NO. 97457		

TYPICAL SECTIONS

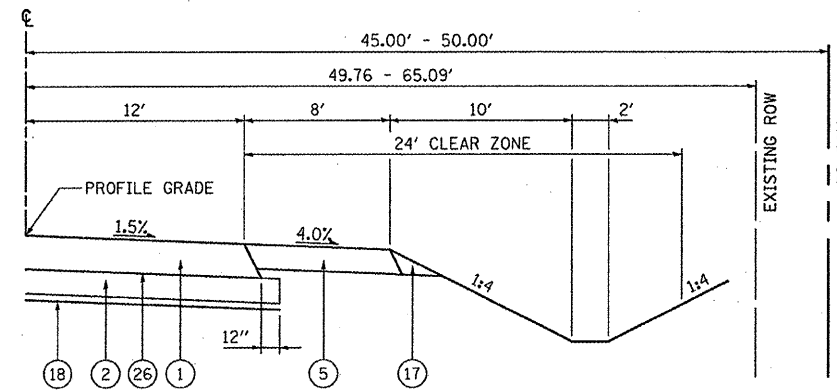
LEGEND

- ① PROPOSED HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 11" (2" SURFACE WITH 9" BINDER)
- ② PROPOSED AGGREGATE BASE COURSE, TYPE A 8"
- ③ PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ④ PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK, 4" STA. 3+30.00 TO 18+40.00
- ⑤ PROPOSED HOT-MIX ASPHALT SHOULDERS, 8"
- ⑥ PROPOSED 4 1/4" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, NTO. LEVELING BINDER AS REQUIRED TO GENERATE PROPER CROSS SLOPE
- ⑦ EXISTING 1 1/2" BITUMINOUS CONCRETE BINDER COURSE
EXISTING 1 1/2" BITUMINOUS CONCRETE SURFACE COURSE
- ⑧ EXISTING 8" STABILIZED BASE COURSE
- ⑨ EXISTING 4" SUB-BASE GRANULAR MATERIAL
- ⑩ EXISTING 8" STABILIZED SHOULDERS
- ⑪ EXISTING AGGREGATE SHOULDERS
- ⑫ INTENTIONALLY LEFT BLANK
- ⑬ PROPOSED CONCRETE GUTTER, TYPE A
- ⑭ EXISTING 2" OIL AND CHIP
- ⑮ EXISTING 6" COMPACTED GRAVEL BASE COURSE
- ⑯ EXISTING 4" CRUSHED STONE BASE COURSE
- ⑰ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
- ⑱ PROPOSED GEOTECHNICAL FABRIC FOR GROUND STABILIZATION.
- ⑲ PROPOSED 2" HOT-MIX ASPHALT SURFACE COURSE, MIX "D" NTO
- ⑳ EXISTING CONCRETE SIDEWALK
- ㉑ PROPOSED GUARDRAIL
- ㉒ EXISTING GUARDRAIL
- ㉓ REERECTED EXISTING GUARDRAIL
- ㉔ EXISTING CONCRETE CURB AND GUTTER
- ㉕ FUTURE CONCRETE SIDEWALK
- ㉖ PROPOSED BITUMINOUS MATERIAL (PRIME COAT)
PROPOSED AGGREGATE (PRIME COAT)
- ㉗ PROPOSED AGGREGATE SHOULDER TYPE A 8"



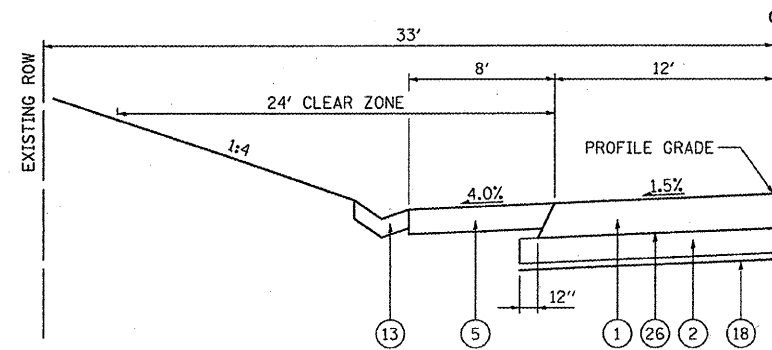
PROPOSED SHILOH CUT-OFF (MAIN STREET)

STA. 49+25.00 TO STA. 50+89.60
STA. 65+91.54 TO STA. 70+71.19
STA. 75+96.69 TO STA. 77+95.00
(NOT TO SCALE)



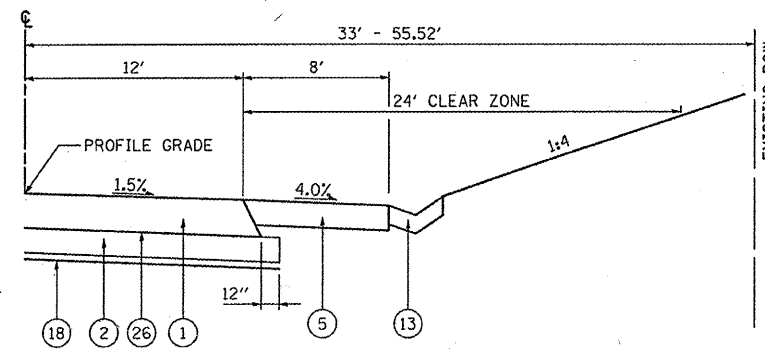
PROPOSED SHILOH CUT-OFF (MAIN STREET)

STA. 49+25.00 TO STA. 50+89.60
STA. 65+91.54 TO STA. 67+38.01
STA. 68+51.08 TO STA. 78+25.00
(NOT TO SCALE)



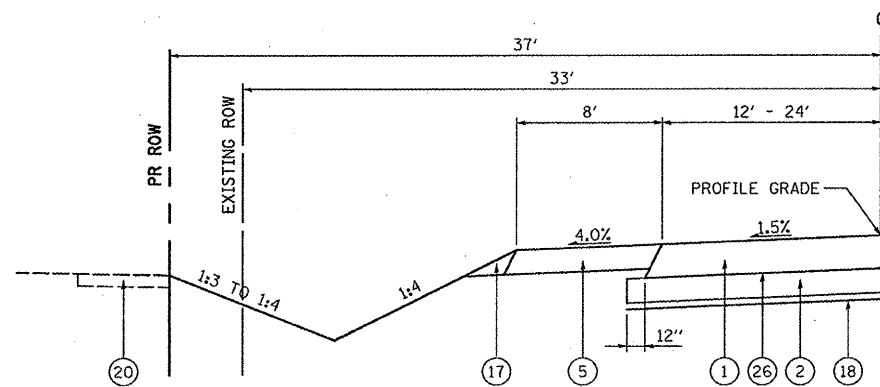
PROPOSED SHILOH CUT-OFF (MAIN STREET)

STA. 77+95.00 TO STA. 81+81.47
(NOT TO SCALE)



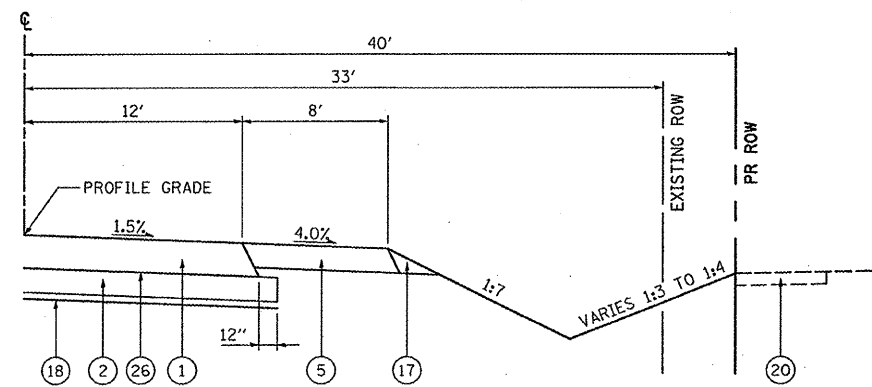
PROPOSED SHILOH CUT-OFF (MAIN STREET)

STA. 67+38.01 TO STA. 68+51.08
STA. 78+25.00 TO STA. 80+39.58
(NOT TO SCALE)



PROPOSED SHILOH CUT-OFF (MAIN STREET)

STA. 70+71.19 TO STA. 75+96.69
(NOT TO SCALE)



PROPOSED SHILOH CUT-OFF (MAIN STREET)

STA. 80+39.58 TO STA. 81+38.00
(NOT TO SCALE)

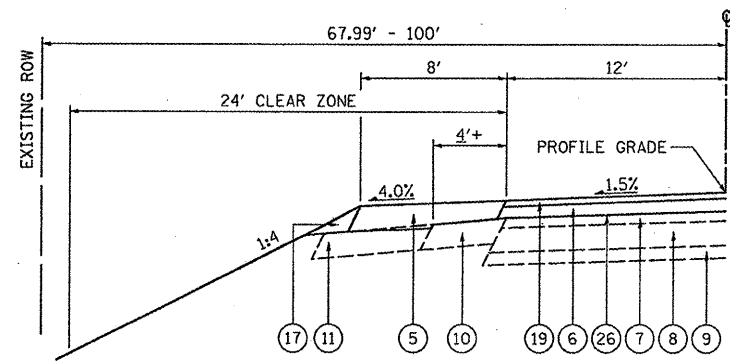


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9266	06-00062-06-PV	ST. CLAIR	80	8
FHWA REG. NO. 7	ILLINOIS	PROJECT NO.	RS-0163(035)	
FEDERAL AID PROJECT		CONTRACT NO.	97457	

TYPICAL SECTIONS

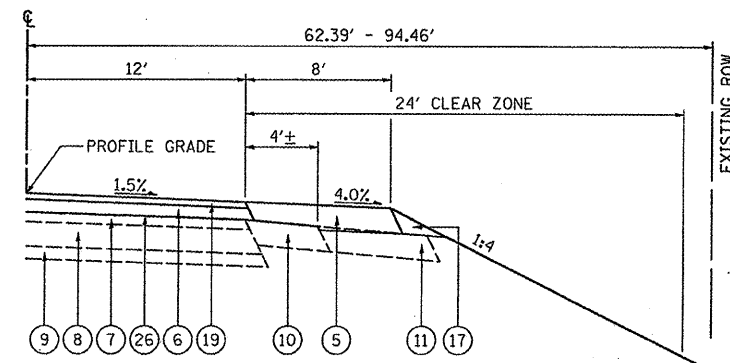
LEGEND

- ① PROPOSED HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 11" (2" SURFACE WITH 9" BINDER)
- ② PROPOSED AGGREGATE BASE COURSE, TYPE A 8"
- ③ PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ④ PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK, 4" STA. 3+30.00 TO 18+40.00
- ⑤ PROPOSED HOT-MIX ASPHALT SHOULDERS, 8"
- ⑥ PROPOSED 4 1/4" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70. LEVELING BINDER AS REQUIRED TO GENERATE PROPER CROSS SLOPE
- ⑦ EXISTING 1 1/2" BITUMINOUS CONCRETE BINDER COURSE
EXISTING 1 1/2" BITUMINOUS CONCRETE SURFACE COURSE
- ⑧ EXISTING 8" STABILIZED BASE COURSE
- ⑨ EXISTING 4" SUB-BASE GRANULAR MATERIAL
- ⑩ EXISTING 8" STABILIZED SHOULDERS
- ⑪ EXISTING AGGREGATE SHOULDERS
- ⑫ INTENTIONALLY LEFT BLANK
- ⑬ PROPOSED CONCRETE GUTTER, TYPE A
- ⑭ EXISTING 2" OIL AND CHIP
- ⑮ EXISTING 6" COMPACTED GRAVEL BASE COURSE
- ⑯ EXISTING 4" CRUSHED STONE BASE COURSE
- ⑰ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
- ⑱ PROPOSED GEOTECHNICAL FABRIC FOR GROUND STABILIZATION.
- ⑲ PROPOSED 2" HOT-MIX ASPHALT SURFACE COURSE, MIX "D" N70
- ⑳ EXISTING CONCRETE SIDEWALK
- ㉑ PROPOSED GUARDRAIL
- ㉒ EXISTING GUARDRAIL
- ㉓ REERECTED EXISTING GUARDRAIL
- ㉔ EXISTING CONCRETE CURB AND GUTTER
- ㉕ FUTURE CONCRETE SIDEWALK
- ㉖ PROPOSED BITUMINOUS MATERIAL (PRIME COAT)
PROPOSED AGGREGATE (PRIME COAT)
- ㉗ PROPOSED AGGREGATE SHOULDER TYPE A 8"



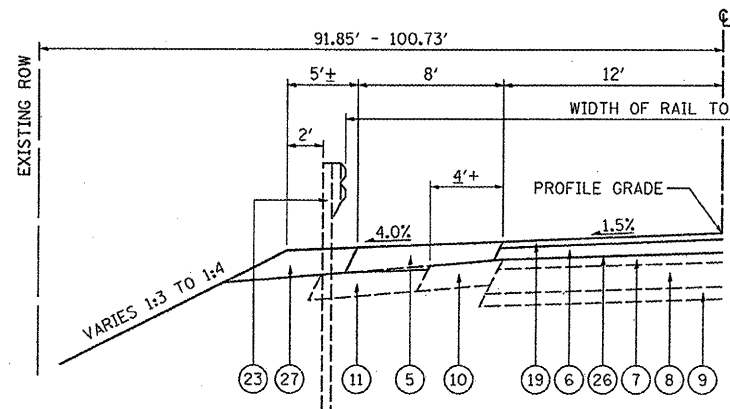
PROPOSED SHILOH CUT-OFF (MAIN STREET)

STA. 50+89.60 TO STA. 55+51.73
STA. 62+00.53 TO STA. 65+91.54
(NOT TO SCALE)



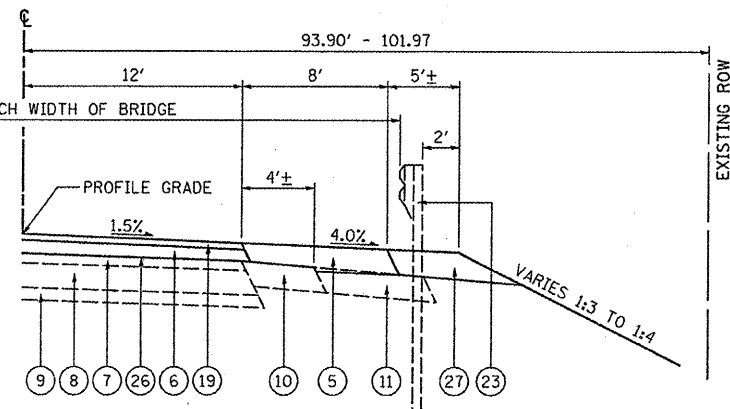
PROPOSED SHILOH CUT-OFF (MAIN STREET)

STA. 50+89.60 TO STA. 55+00.25
STA. 61+51.12 TO STA. 65+91.54
(NOT TO SCALE)



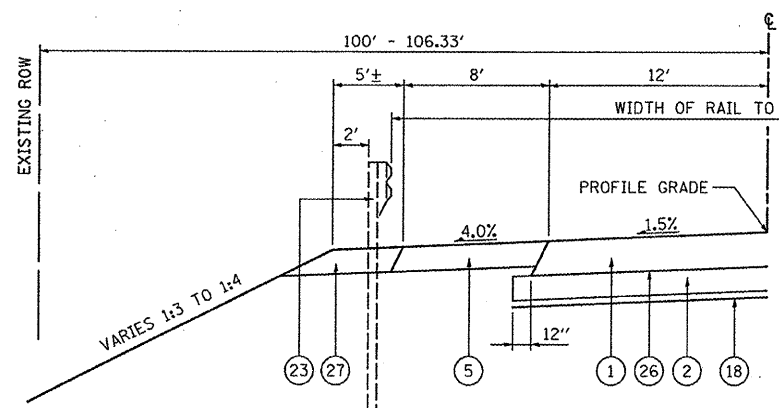
PROPOSED SHILOH CUT-OFF (MAIN STREET)

STA. 55+51.73 TO STA. 55+84.15
STA. 60+48.99 TO STA. 62+00.53
(NOT TO SCALE)



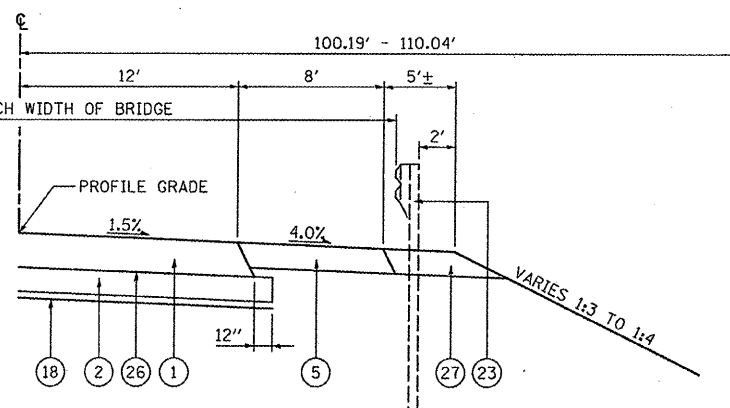
PROPOSED SHILOH CUT-OFF (MAIN STREET)

STA. 55+00.25 TO STA. 55+84.15
STA. 60+48.99 TO STA. 61+51.12
(NOT TO SCALE)



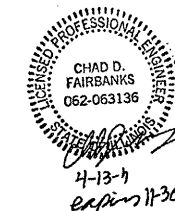
PROPOSED SHILOH CUT-OFF (MAIN STREET)

STA. 55+84.15 TO STA. 57+08.15
STA. 59+75.18 TO STA. 60+48.99
(NOT TO SCALE)



PROPOSED SHILOH CUT-OFF (MAIN STREET)

STA. 55+84.15 TO STA. 57+08.15
STA. 59+75.18 TO STA. 60+48.99
(NOT TO SCALE)

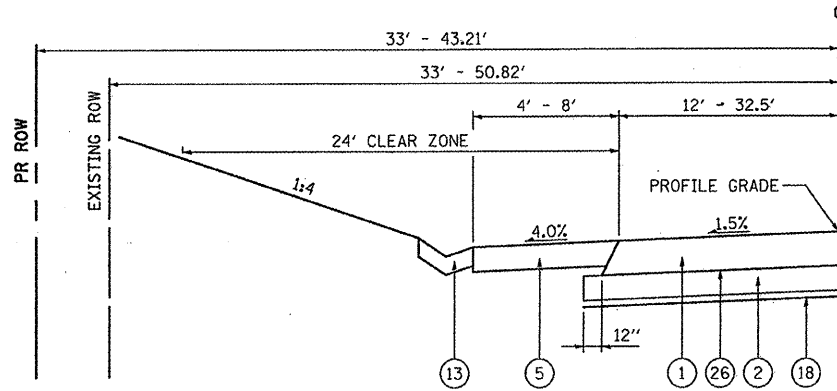


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9266	06-00062-06-PV	ST. CLAIR	80	9
FHWA REG. NO. 7 ILLINOIS		PROJECT NO. RS-0163(035)		
FEDERAL AID PROJECT		CONTRACT NO. 97457		

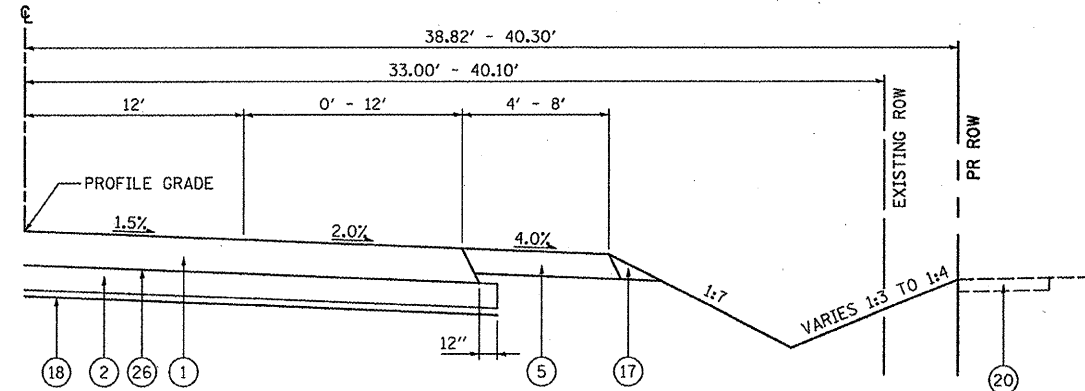
TYPICAL SECTIONS

LEGEND

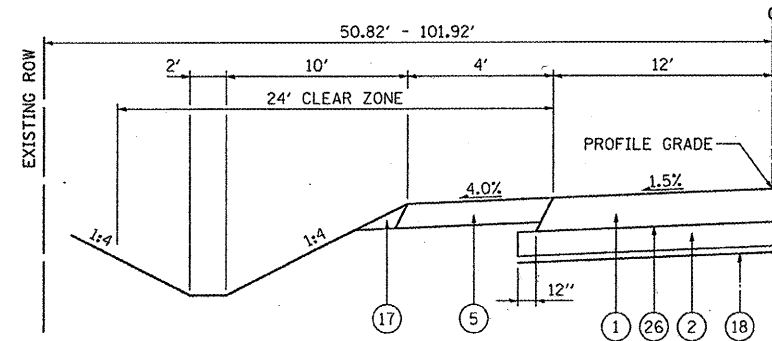
- ① PROPOSED HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 11" (2" SURFACE WITH 9" BINDER)
- ② PROPOSED AGGREGATE BASE COURSE, TYPE A 8"
- ③ PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ④ PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK, 4" STA. 3+30.00 TO 18+40.00
- ⑤ PROPOSED HOT-MIX ASPHALT SHOULDERS, 8"
- ⑥ PROPOSED 4 1/4" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70. LEVELING BINDER AS REQUIRED TO GENERATE PROPER CROSS SLOPE
- ⑦ EXISTING 1 1/2" BITUMINOUS CONCRETE BINDER COURSE
EXISTING 1 1/2" BITUMINOUS CONCRETE SURFACE COURSE
- ⑧ EXISTING 8" STABILIZED BASE COURSE
- ⑨ EXISTING 4" SUB-BASE GRANULAR MATERIAL
- ⑩ EXISTING 8" STABILIZED SHOULDERS
- ⑪ EXISTING AGGREGATE SHOULDERS
- ⑫ INTENTIONALLY LEFT BLANK
- ⑬ PROPOSED CONCRETE GUTTER, TYPE A
- ⑭ EXISTING 2" OIL AND CHIP
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- ⑯ EXISTING 4" CRUSHED STONE BASE COURSE
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- ⑱ PROPOSED GEOTECHNICAL FABRIC FOR GROUND STABILIZATION.
- ⑲ PROPOSED 2" HOT-MIX ASPHALT SURFACE COURSE, MIX "D" N70
- ⑳ EXISTING CONCRETE SIDEWALK
- ㉑ PROPOSED GUARDRAIL
- ㉒ EXISTING GUARDRAIL
- ㉓ REERECTED EXISTING GUARDRAIL
- ㉔ EXISTING CONCRETE CURB AND GUTTER
- ㉕ FUTURE CONCRETE SIDEWALK
- ㉖ PROPOSED BITUMINOUS MATERIAL (PRIME COAT)
PROPOSED AGGREGATE (PRIME COAT)
- ㉗ PROPOSED AGGREGATE SHOULDER TYPE A 8"



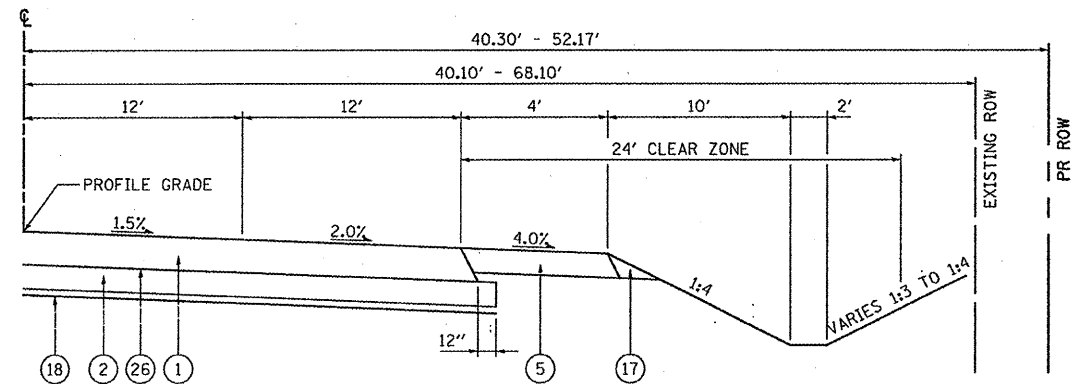
PROPOSED SHILOH CUT-OFF (MAIN STREET)
STA. 81+81.47 TO STA. 83+00.00
(NOT TO SCALE)



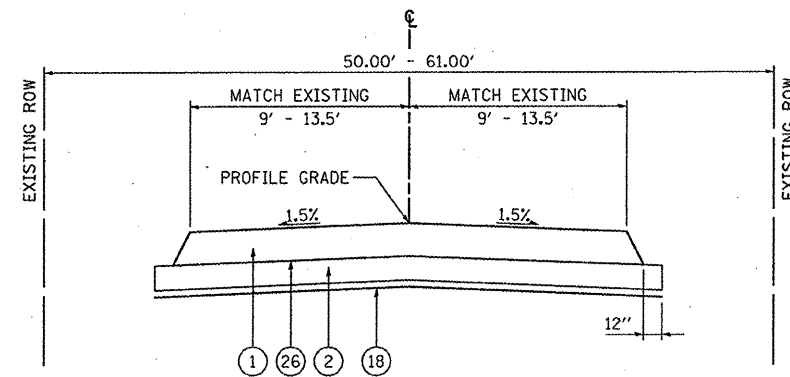
PROPOSED SHILOH CUT-OFF (MAIN STREET)
STA. 81+38.00 TO STA. 82+73.00
(NOT TO SCALE)



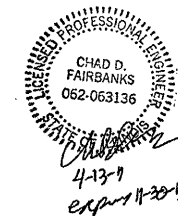
PROPOSED SHILOH CUT-OFF (MAIN STREET)
STA. 83+00.00 TO STA. 84+23.20
(NOT TO SCALE)



PROPOSED SHILOH CUT-OFF (MAIN STREET)
STA. 82+73.00 TO STA. 84+23.20
(NOT TO SCALE)



LUCIA LANE LOWEL COURT SCHEIBEL ROAD CORPORATE CROSSING
(NOT TO SCALE)



F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9266	06-00062-06-PV	ST. CLAIR	81	10
FHWA REG. NO. 7 ILLINOIS		PROJECT NO. RS-0163(035)		
FEDERAL AID PROJECT		CONTRACT NO. 97457		

HORIZONTAL AND VERTICAL CONTROL

TIE POINT LOCATION STA	DESCRIPTION	EXISTING MONUMENT TYPE	PROPOSED MON TYPE			MONUMENT RECORD TO BE RECORDED	COORDINATES	BENCHMARK
			SAME	PSM TYPE EACH	LAND SECTION MARKER EACH			
① MAIN 3+33.87	NE CORNER OF MAIN & MAPLE	IRON ROD W/CAP	N/A	N/A	N/A	NO	N=690385.240 E=2373852.353	EL=654.10
② MAIN 12+88.58	NE CORNER MAIN & LOWELL	IRON ROD W/CAP	N/A	N/A	N/A	NO	N=691236.458 E=2374290.925	
③ MAIN 18+45.32	NW CORNER MAIN & LAKE SUZANNE ENTRANCE	IRON ROD W/CAP	N/A	N/A	N/A	NO	N=691762.016 E=2374479.951	
④ MAIN 33+06.23	SE CORNER OF MAIN & JULIUS	IRON ROD W/CAP	N/A	N/A	N/A	NO	N=692937.254 E=2375350.711	EL=545.40
⑤ MAIN 54+12.53	NW CORNER OF MAIN & LOYETTE	IRON ROD W/CAP	N/A	N/A	N/A	NO	N=694677.609 E=2376537.934	
⑥ MAIN 60+91.08	NE CORNER OF MAIN & I-64	IRON ROD W/CAP	N/A	N/A	N/A	NO	N=695202.542 E=2376970.471	
⑦ MAIN 68+62.54	NW CORNER MAIN & SHEIBEL	IRON ROD W/CAP	N/A	N/A	N/A	NO	N=695863.684 E=2377371.966	
⑧ MAIN 68+62.54	SE CORNER OF MAIN & 8TH	IRON ROD W/CAP	N/A	N/A	N/A	NO	N=697088.480 E=2378308.359	EL=517.29

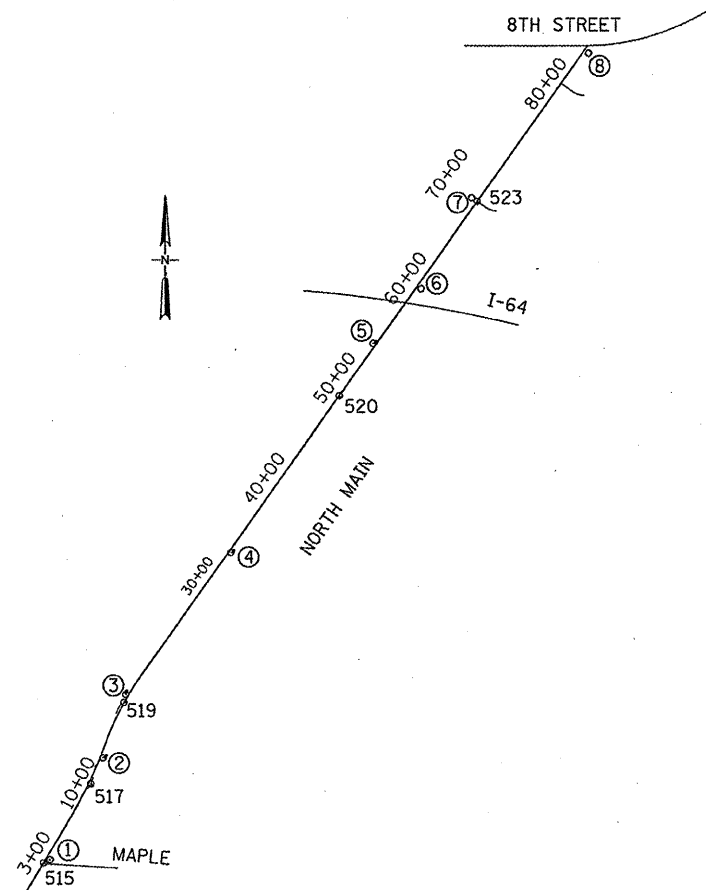
ALIGNMENT TIES

EXISTING CENTERLINE COORDINATES

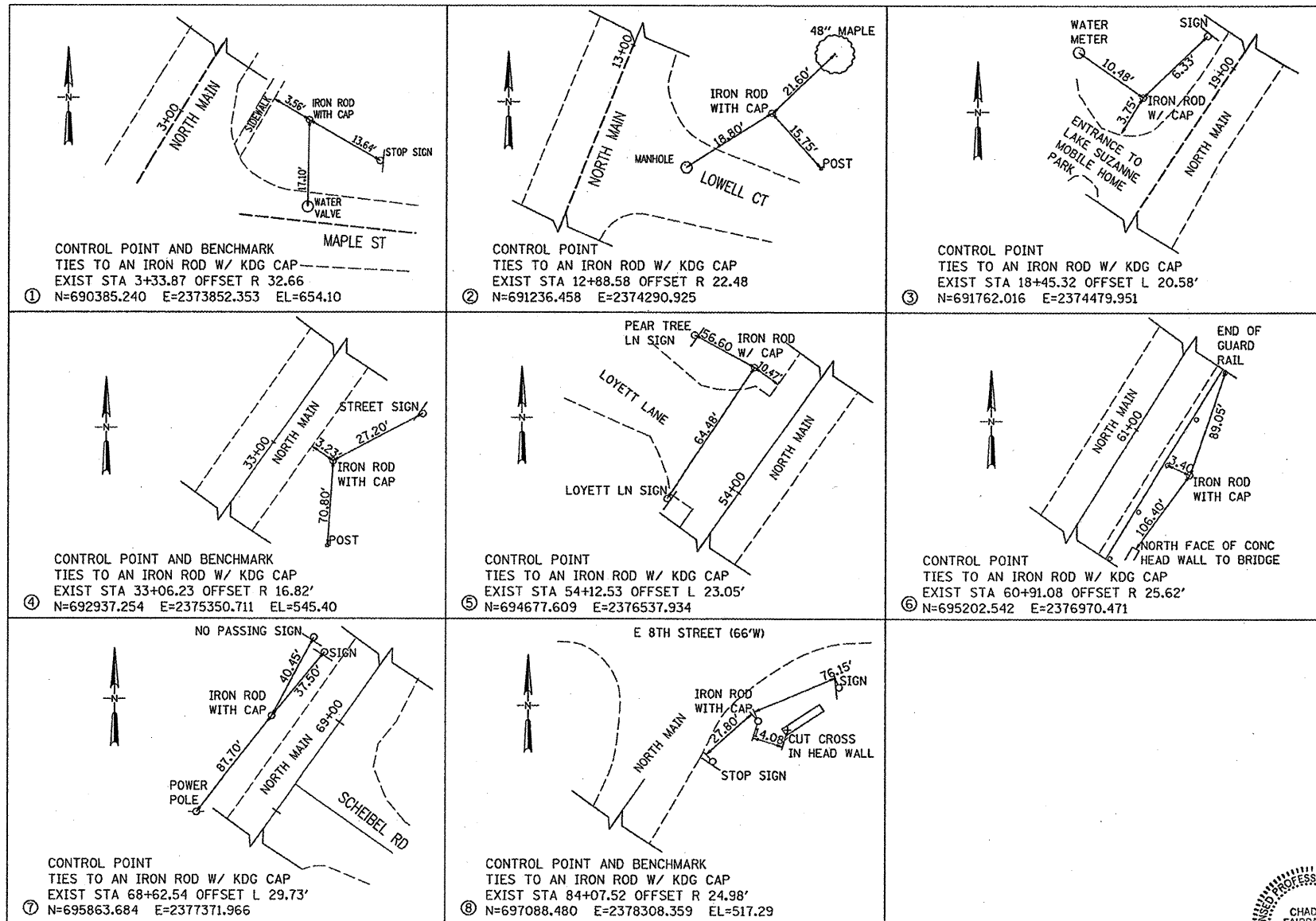
POINT	STATION	EXISTING MONUMENT TYPE	COORDINATES	NOTE
515	2+85.50	MAG NAIL	N=690359.963 E=2373800.136	EXISTING CENTERLINE POINT
517	10+49.10	IRON BAR	N=691017.870 E=2374189.700	PI
519	17+80.00	MAG NAIL	N=691694.891 E=2374465.067	EXISTING CENTERLINE POINT
520	48+91.73	MAG NAIL	N=694239.350 E=2376255.477	EXISTING CENTERLINE POINT
523	68+65.09	IRON PIPE	N=695847.993 E=2377397.252	EXIST CENTERLINE/CENTERLINE POINT

HORIZONTAL AND VERTICAL CONTROL THREE POINT TIES

SURVEY CONTROL LOCATION MAP



HORIZONTAL CONTROL BASED ON NORTH AMERICAN DATUM OF 1983 (NAD-83)
 VERTICAL CONTROL BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD-88)
 SCCB-SPCS, ILLINOIS WEST ZONE
 NORTHING: 672259.385
 EASTING: 2348574.508
 ELEVATION: 619.50



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 062-063136
 4-13-14
 EXP-11-30-14

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9266	06-00062-06-PV	ST. CLAIR	80	11
FHWA REG. NO. 7	ILLINOIS PROJECT NO.	RS-0163(035)		
FEDERAL AID PROJECT	CONTRACT NO. 97457			

ENTRANCE SCHEDULE

STATION (NOTE 1)	OFFSET	ENTRANCE TYPE	EXISTING SURFACE TYPE	ENTRANCE WIDTH "W" (FOOT)	ENTRANCE DEPTH "D" (FOOT)	AGG BASE CSE A 4 (SQ YD)	BIT MATLS PR CT (NOTE 3) (GALLON)	AGG PR CT (NOTE 2) (TON)	PCC DRIVEWAY PAVT 6 (SQ YD)	INCIDENTAL HMA SURF (NOTE 4) (TON)	DRIVEWAY PAVEMENT REMOVAL (SQ YD)
SHILOH CUT-OFF											
4+92.12	LEFT	P.E.	ASPHALT	24.0'	15.9'	45	3	1	20	3	70
5+87.39	LEFT	P.E.	ASPHALT	14.0'	12.6'	23	1	1	13	1	30
6+44.21	LEFT	P.E.	ASPHALT	20.0'	17.5'	39	2	1	17	2	48
8+69.47	LEFT	P.E.	ASPHALT	24.0'	28.9'	74	5	1	20	6	98
17+52.38	LEFT	P.E.	ASPHALT	25.0'	22.8'	47	3	1	21	3	92
18+08.59	LEFT	C.E.	ASPHALT	35.0'	12.8'	55	3	1	27	3	97
47+83.87	RIGHT	F.E.	GRAVEL	24.0'	15.4'	22					
50+11.00	LEFT	P.E.	GRAVEL	12.0'	19.1'	36					
51+67.84	LEFT	P.E.	GRAVEL	21.0'	33.1'	98					
53+69.05	LEFT	P.E.	GRAVEL	20.0'	69.8'	199					
65+76.17	RIGHT	P.E.	ASPHALT	24.0'	22.8'	86	9	1		10	142
71+28.55	LEFT	C.E.	CONCRETE	36.0'	17.0'	114			114		113
74+21.48	LEFT	C.E.	CONCRETE	36.0'	17.2'	115			115		113
77+71.68	LEFT	C.E.	ASPHALT	30.0'	14.4'	43	4	1		5	96
80+62.41	LEFT	C.E.	CONCRETE	30.0'	15.4'						98
82+52.84	RIGHT	C.E.	ASPHALT	31.0'	23.1'	83	8	1		9	191
TOTAL						1,079	38	9	347	42	1,188

ENTRANCE NOTES

- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL CONTACT EACH PROPERTY OWNER AND VERIFY THE LOCATION AND WIDTH OF ALL ENTRANCES.
- AGGREGATE (PRIME COAT) QUANTITY IS CALCULATED AT A RATE OF 0.004 TONS / SQ. YD.
- BITUMINOUS MATERIALS (PRIME COAT) QUANTITY IS CALCULATED AT A RATE OF 0.10 GAL / SQ. YD. BITUMINOUS BASES
- INCIDENTAL BITUMINOUS SURFACING QUANTITY IS CALCULATED AT A RATE OF 2.005 TONS / CU. YD. BITUMINOUS MATERIALS (PRIME COAT) AND AGGREGATE (PRIME COAT) ARE REQUIRED BUT WILL NOT BE MEASURED SEPARATELY FOR PAYMENT FOR THE USE OF ENTRANCES.

EROSION CONTROL SCHEDULE

FROM STATION	TO STATION	MULCH METHOD 2 (ACRE)	EROSION CONTROL BLANKET (SQ YD)	TEMP EROS CONTR SEED (POUND)	TEMP DITCH CHECKS (FOOT)	PERIMETER EROS BAR (FOOT)	INLET & PIPE PROTECT (EACH)	STONE RIPRAP CL A1 (SQ YD)	STONE RIPRAP CL B4 (SQ YD)	FILTER FABRIC (SQ YD)	REM REPL STONE RIPRAP (CU YD)
SHILOH CUT-OFF											
3+50.00	12+55.66	0.75	2,110	75		1,691	2	67	67	67	
12+55.66	30+70.00	1.75	4,546	175	4	3,540	1				
47+35.51	57+08.15	0.50		50	24	1,349	4	14	14	14	
59+75.18	80+64.11	1.25		125	100	1,814	6	5	5	5	56
80+64.11	84+23.20	0.25		25		237	4	15	15	15	
TOTAL		4.50	6,656	450	128	8,631	17	101	101	101	56

PAVEMENT SCHEDULE

FROM STATION	TO STATION	GEOTECH FAB F/GR STAB (SQ YD)	AGG BASE CSE A 8 (SQ YD)	HMA PAVT FD 11 (SQ YD)	BIT MATLS PR CT (NOTE 1) (GALLON)	AGG PR CT (NOTE 2) (TON)	HMA BC IL-19.0 N70 (NOTE 3) (TON)	HMA SC "D" N70 (NOTE 3) (TON)	AGGREGATE SHLD A 8 (SQ YD)	AGG WEDGE SHLD TYPE B (NOTE 4) (TON)	HMA SHOULDERS 8 (SQ YD)	PAVEMENT REM (SQ YD)	PAVED SHLD REMOVAL (SQ YD)
SHILOH CUT-OFF													
3+50.00	30+70.00	10.253	10,222	7,855	2,749	79						7,033	
47+35.51	57+08.15	1.470	1,470	1,275	908	26	579.4	146.9	243	128	1,751	1,241	392
59+75.18	80+64.11	6.532	6,532	5,748	2,518	72	691.7	161.2	268	338	3,985	5,178	980
LOWEL COURT													
-	-	186	186	173	61	2						215	
LUCIA LANE													
-	-	115	115	116	41	1						107	
SCHEIBEL ROAD													
-	-	81	81	73	25	1						69	
CORPORATE CROSSING													
-	-	182	182	161	56	2						208	
TOTAL		18,819	18,788	15,401	6,358	183	1,271.1	308.1	511	466	5,736	14,051	1,372

PAVEMENT NOTES

- BITUMINOUS MATERIALS (PRIME COAT) QUANTITY IS CALCULATED AT A RATE OF 0.35 GAL / SQ. YD. AGGREGATE BASES
- AGGREGATE (PRIME COAT) QUANTITY IS CALCULATED AT A RATE OF 20 LBS / SQ. YD. BITUMINOUS BASES
- HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 AND HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 ARE BOTH QUANTIFIED AT A RATE OF 2.005 TONS / CU. YD.
- AGGREGATE WEDGE SHOULDER, TYPE B QUANTITY IS CALCULATED AT A RATE OF 1.40 TONS / CU. YD.

MISCELLANEOUS SCHEDULES

CULVERT REMOVAL

STATION	OFFSET	SIZE	EXISTING CULVERT TYPE	REM EXIST STRUCT (EACH)	CONC HEWL REM (EACH)	PIPE CULVERT REMOVE (FOOT)	REMOVE INLETS (NOTE 1) (EACH)
SHILOH CUT-OFF							
5+00	LEFT	12"	RCP		2	41	
5+83	LEFT	12"	RCP			19	
6+63	LEFT	12"	CMP		1	36	1
8+61	RIGHT	15"	CMP			120	
8+94	LEFT	18"	CMP			89	
11+54	CL	2'x2' BOX	RCP	1			
12+51	RIGHT	15"	CMP			37	
13+17	RIGHT	15"	CMP			72	
13+21	LEFT	15"	CMP			36	
17+45	LEFT	12"	CMP			40	
17+91	RIGHT	15"	CMP		1	40	
18+19	LEFT	12"	CMP			60	
29+36	RIGHT	24"	RCP			9	
29+50	RIGHT	30"	RCP			20	
30+58	LEFT	18"	RCP			24	
47+50	LEFT	12"	RCP			22	
47+50	RIGHT	18"	RCP			14	
49+98	LEFT	24"	CMP			25	
51+26	CL	27"x40" ELLIP	CMP			84	
68+70	RIGHT	30"	RCP			30	
71+29	LEFT	12"	CMP			37	
74+22	LEFT	15"	CMP			40	
76+03	CL	18"	CMP			110	1
80+63	LEFT	15"	CMP			40	
80+63	RIGHT	20"	RCP			70	
82+03	RIGHT	15"	RCP			9	
82+50	RIGHT	24"	RCP			65	
83+85	CL	12"	RCP		1	68	
83+89	RIGHT	12"	RCP		1	47	
TOTAL				1	6	1,304	2

CULVERT REMOVAL NOTES:

- ALL CULVERTS CONSIDERED SALVAGEABLE BY ENGINEER SHALL REMAIN PROPERTY OF THE COUNTY.

SEEDING SCHEDULE

FROM STATION	TO STATION	SEEDING CL 2 (ACRE)	NITROGEN FERT NUTR (POUND)	PHOSPHORUS FERT NUTR (POUND)	POTASSIUM FERT NUTR (POUND)
SHILOH CUT-OFF					
3+50.00	12+55.66	0.75	67.5	67.5	67.5
12+55.66	30+70.00	1.75	157.5	157.5	157.5
47+35.51	57+08.15	0.50	45.0	45.0	45.0
59+75.18	80+64.11	1.25	112.5	112.5	112.5
80+64.11	84+23.20	0.25	22.5	22.5	22.5
TOTAL		4.50	405.0	405.0	405.0

CONCRETE SIDEWALK SCHEDULE

FROM STATION	TO STATION	PC CONC SIDEWALK 4 (SQ YD)	DETECTABLE WARNINGS (SQ FT)	SIDEWALK REM (SQ YD)
SHILOH CUT-OFF				
2+56.87	2+92.46	32.0	10	23
3+33.00	12+33.00	523.5	33	397
12+70.50	18+40.58	313.0	10	252
80+38.07	80+93.48	23.0	17	25
82+14.51	82+86.41	20.0		23
TOTAL		911.5	70	720

CHAD D. FAIRBANKS
062-063135
4207
2/20/24

DRAINAGE STRUCTURES (CONT.)

NO.	STATION	SIDE	OFF.	PRC FLAR END SEC 12	PRC FLAR END SEC 18	PRC FLAR END SEC 21	PRC FLAR END SEC 24	PRC FLAR END SEC 30	PRC FLAR END SEC 42	MAN TA 4 DIA T1F CL	MAN TA 4 DIA T9F&G	MAN TA 4 DIA T3F&G	MAN TA 4 DIA T15F&L	MAN TA 4 DIA T24F&G	MAN TA 5 DIA T1F CL	MAN TA 5 DIA T8G	MAN TA 5 DIA T9F&G	MAN TA 5 DIA T15F&L	MAN TA 5 DIA T24F&G	MAN RECONST SPL	MAN TA 6 DIA	INLETS TA T3F&G	INLETS TA T8G	INLETS TA T24F&G	INLETS TB T3F&G	INLETS TB	GRATES TA	TOP ELEV.	INVERT	INVERT	INVERT	BOTTOM INVERT
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SHILOH CUT-OFF (CONT.)

NO.	STATION	SIDE	OFF.	PRC FLAR END SEC 12	PRC FLAR END SEC 18	PRC FLAR END SEC 21	PRC FLAR END SEC 24	PRC FLAR END SEC 30	PRC FLAR END SEC 42	MAN TA 4 DIA T1F CL	MAN TA 4 DIA T9F&G	MAN TA 4 DIA T3F&G	MAN TA 4 DIA T15F&L	MAN TA 4 DIA T24F&G	MAN TA 5 DIA T1F CL	MAN TA 5 DIA T8G	MAN TA 5 DIA T9F&G	MAN TA 5 DIA T15F&L	MAN TA 5 DIA T24F&G	MAN RECONST SPL	MAN TA 6 DIA	INLETS TA T3F&G	INLETS TA T8G	INLETS TA T24F&G	INLETS TB T3F&G	INLETS TB	GRATES TA	TOP ELEV.	INVERT	INVERT	INVERT	BOTTOM INVERT		
3-1	76+39.30	RIGHT	69.22																														515.67	
3-2	75+93.75	LEFT	33.22																															516.58
3-3	73+95.92	LEFT	27.96																															517.94
3-4	71+03.59	LEFT	30.80																															520.00
3-5	76+21.51	RIGHT	29.15																															515.96
4-1	83+00.00	RIGHT	38.15	1																														515.06
4-2	82+02.91	RIGHT	32.65																															515.40
5-2	84+01.12	RIGHT	20.13																															513.39
5-3	83+34.22	LEFT	51.54																															513.77
5-4	83+78.34	RIGHT	59.70																															513.92
6-1	69+07.08	RIGHT	31.00	1																														529.12
6-2	68+50.00	RIGHT	23.42																															529.30
6-4	67+25.00	RIGHT	31.00	1																														530.75
7-1	83+23.39	LEFT	50.49																															513.87
7-2	83+00.00	LEFT	33.68																															513.95
7-3	82+00.00	LEFT	21.50																															514.63
7-4	80+40.00	LEFT	21.50																															515.43
7-5	79+50.00	LEFT	21.50																															515.90
7-6	80+38.50	RIGHT	23.42																															516.20
7-7	81+00.00	RIGHT	33.25	1																														517.30
8-1	49+20.75	RIGHT	32.20	1																														531.96
8-2	48+89.85	RIGHT	14.54																															532.14
8-3	48+64.85	RIGHT	14.54																															532.26
8-4	48+39.85	RIGHT	14.54																															532.39
9-1	49+00.00	LEFT	35.52																															531.83
9-2	48+89.85	LEFT	24.00																															531.94
9-3	48+89.85	LEFT	14.54																															531.99
9-4	48+64.85	LEFT	14.54																															532.12
9-5	48+39.85	LEFT	14.54																															532.24
SUBTOTAL				5	1	1	2	1	0	1	2	0	0	0	2	2	1	0	0	1	1	1	1	0	5	2	3							
SUBTOTAL FROM PAGE 12				0	0	0	0	1	1	2	0	3	1	40	1	0	0	1	7	0	0	0	0	2	2	0	0							
TOTAL				5	1	1	2	2	1	3	2	3	1	40	3	2	1	1	7	1	1	1	3	2	5	2	3							

EARTHWORK SCHEDULE

FROM STATION	TO STATION	EARTH EXCAVATION (CU YD)	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (NOTE 1) (CU YD)	EMBANKMENT (NOTE 2) (CU YD)	EARTHWORK BALANCE (NOTE 3) (CU YD)
SHILOH CUT-OFF					
3+50.00	30+70.00	6.840	5.130	3.515	1.615
47+35.51	56+98.55	1.220	915	300	615
59+85.10	83+98.82	4.885	3.665	300	3.365
TOTAL		12,945	9,710	4,115	5,595

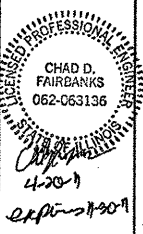
EARTHWORK NOTES:
 1. ESTIMATED SHRINKAGE FACTOR = 25%
 2. APPROXIMATE EMBANKMENT QUANTITY IS SHOWN FOR INFORMATION ONLY.
 3. EARTHWORK BALANCE, QUANTITY TO BE WASTED

SURVEY MARKER SCHEDULE

STATION	OFFSET	SURVEY POINT DESCRIPTION	PERM SURV MKRS T1 (EACH)
SHILOH CUT-OFF			
8+27.10	0.00	PC (EMA INCUR1)	1
12+49.61	0.00	PT (EMA INCUR1)	1
14+07.01	0.00	PC (EMA INCUR2)	1
20+32.31	0.00	PT (EMA INCUR2)	1
82+27.02	0.00	PC (EMA INCUR3)	1
83+97.87	0.00	PT (EMA INCUR3)	1
TOTAL			6

CONCRETE CURB AND GUTTER SCHEDULE

FROM STATION	TO STATION	OFFSET	CLASS SI CONC OUTLET (CU YD)	CONC CURB TB (FOOT)	CONC GUTTER TA (FOOT)	COMB CC&G TB6.24 (FOOT)	COMB CURB GUTTER REM (FOOT)
SHILOH CUT-OFF							
2+48.13	2+88.47	RIGHT		49.0			49
3+50.00	30+70.00	LEFT				3,100.5	15
12+55.66	30+70.00	RIGHT	0.7			2,735.5	
47+35.51	49+27.35	BOTH				383.5	
67+38.01	68+51.08	RIGHT	3.9		63.0	162.0	
71+07.69	71+49.41	LEFT		45.0			
74+00.50	74+42.46	LEFT		45.0			
77+95.00	83+00.66	LEFT	13.6		409.5		
78+25.00	80+95.28	RIGHT	3.9		164.5	68.0	
TOTAL			22.1	139.0	637.0	6,449.5	64



F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9266	06-00062-06-PV	ST. CLAIR	80	14
FHWA REG. NO. 7	ILLINOIS	PROJECT NO.	RS-0163(035)	
FEDERAL AID PROJECT	CONTRACT NO.	97457		

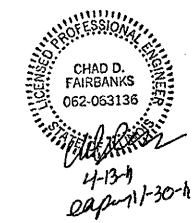
MISCELLANEOUS SCHEDULES

STORM SEWER PIPE																
FROM	TO	UPSTREAM INVERT	DOWNSTREAM INVERT	STORM SEW CL A 2 12	STORM SEW CL A 2 15	STORM SEW CL A 2 18	STORM SEW CL A 2 21	STORM SEW CL A 2 24	STORM SEW CL A 2 27	STORM SEW CL A 2 30	STORM SEW CL A 2 36	STORM SEW CL A 2 42	STORM SEW CL A 4 36	TRENCH BACKFILL	SLOPE	
				(FOOT)									(C.Y.)			
SHILOH CUT-OFF																
1-3	DATS 1-2	544.71	543.64											123	107	0.87%
1-4	1-3	549.71	549.29	28											6	1.50%
1-5	1-3	548.61	547.71												92	0.90%
1-28	1-5	551.90	551.39											65	18	0.78%
1-29	1-28	555.58	555.30			29									30	0.97%
1-6	1-28	555.35	554.93							45					30	0.93%
1-7	1-6	558.52	557.68	28											5	3.00%
1-8	1-6	558.67	557.27						140						142	1.00%
1-9	1-8	566.27	565.85	28											4	1.50%
1-10	1-8	566.02	565.02						100						89	1.00%
1-11	1-10	571.88	571.60	28											6	1.00%
1-12	1-10	571.05	570.75			18									21	1.67%
1-13	1-10	574.38	571.38			150									124	2.00%
1-14	1-13	580.30	580.02	28											6	1.00%
1-15	1-13	581.80	579.80			100									72	2.00%
1-16	1-15	587.91	585.41			125									95	2.00%
1-17	1-16	592.92	592.64	28											6	1.00%
1-18	1-16	595.42	592.67		110										70	2.50%
1-19	1-18	599.09	598.81	28											6	1.00%
1-20	1-18	601.72	598.84		96										35	3.00%
1-21	1-20	606.58	604.54	68											19	3.00%
1-22	1-21	608.35	608.07	28											6	1.00%
1-23	1-21	610.60	608.35	50											11	4.50%
1-24	1-23	613.10	610.99	50											10	4.22%
1-25	1-24	614.38	613.10	50											11	2.56%
1-26	1-25	614.66	614.38	28											6	1.00%
1-27	1-26	616.30	614.66	50											9	3.28%
2-29	2-27	592.57	592.49							23					35	0.35%
2-1	2-29	599.80	599.63								33				76	0.52%
2-2	2-1	609.35	609.20					28							36	0.54%
2-28	2-2	610.93	610.40					25							15	2.12%
2-3	2-4	612.48	612.18	30											24	1.00%
2-4	2-1	612.18	611.65			53									44	1.00%
2-5	2-6	622.13	621.65	28											7	1.71%
2-6	2-33	621.65	621.49		8										2	2.00%
2-7	2-6	624.10	621.65		75										23	3.27%
2-8	2-7	629.58	625.83	125											45	3.00%
2-9	2-8	632.64	632.50	28											5	0.50%
2-30	2-9	632.86	632.74	13											3	0.92%
2-10	2-8	635.84	632.64	80											21	4.00%
2-11	2-10	640.60	637.00	90											23	4.00%
2-31	2-11	640.85	640.60	28											9	0.89%
2-12	2-11	644.45	641.90	51											11	5.00%
2-13	2-1	607.71	607.40			63									91	0.49%
2-14	2-13	613.79	613.18	28											7	2.18%
2-15	2-13	607.92	607.71			41									56	0.51%
2-16	2-15	608.00	607.92			17									23	0.47%
2-17	2-16	612.38	612.23			30									11	0.50%
2-18	2-17	613.00	612.88	24											8	0.50%
2-19	2-17	613.00	612.23		24										7	3.21%
2-32	2-22	614.55	614.39	33											6	0.48%
2-33	2-34	620.08	612.34		248										176	3.12%
2-34	2-4	612.34	612.18		8										7	2.00%
SUBTOTAL		1,078	569	626	0	0	240	98	288	23	33	1,807				

SEE ADJACENT TABLE FOR CONTINUED SCHEDULE AND TOTALS

STORM SEWER PIPE (CONT.)																
FROM	TO	UPSTREAM INVERT	DOWNSTREAM INVERT	STORM SEW CL A 2 12	STORM SEW CL A 2 15	STORM SEW CL A 2 18	STORM SEW CL A 2 21	STORM SEW CL A 2 24	STORM SEW CL A 2 27	STORM SEW CL A 2 30	STORM SEW CL A 2 36	STORM SEW CL A 2 42	STORM SEW CL A 4 36	TRENCH BACKFILL	SLOPE	
				(FOOT)									(C.Y.)			
SHILOH CUT-OFF (CONT.)																
2-20	2-19	613.11	612.92											15	4	1.27%
2-21	2-20	613.75	613.11											50	14	1.28%
2-22	2-21	614.39	614.00	28											6	1.39%
2-23	2-21	614.63	614.00	60											14	1.05%
2-24	2-23	614.96	614.63	28											6	1.18%
2-25	2-23	615.20	614.63	65											15	0.88%
2-26	2-25	615.59	615.20	28											6	1.39%
3-5	3-1	515.96	515.67										44		16	0.66%
3-2	3-5	516.58	516.06										68		45	0.76%
3-3	3-2	517.94	516.68										198		65	0.64%
3-4	3-3	520.00	518.44					292							103	0.53%
4-2	4-1	515.40	515.06	103											12	0.33%
5-3	5-2	513.77	513.39					96							14	0.40%
5-4	5-2	513.92	513.39					47							7	1.13%
6-2	6-1	529.30	529.12	58											6	0.31%
6-4	6-2	530.75	529.40	125											12	1.08%
7-2	7-1	513.95	513.87						27						5	0.30%
7-3	7-2	514.53	514.05						96						8	0.50%
7-4	7-3	515.43	514.63							160					25	0.50%
7-5	7-4	515.90	515.53							90					21	0.41%
7-6	7-4	516.20	515.93	45											6	0.60%
7-7	7-6	517.30	516.30	62											7	1.61%
OATS 8-5	8-4	532.92	532.39	90												0.59%
8-4	8-3	532.39	532.26	25											4	0.52%
8-3	8-2	532.26	532.14	25											3	0.48%
8-2	8-1	532.14	531.96	35											3	0.51%
OATS 9-6	9-2	532.44	531.94							160					2	0.31%
9-5	9-4	532.24	532.12	25											2	0.48%
9-4	9-3	532.12	531.99	25											4	0.52%
9-3	9-2	531.99	531.94	10											4	0.50%
9-2	9-1	531.94	531.83												16	0.69%
SUBTOTALS		837	65	426	123	435	0	310	0	0	0	0	0	476		
SUBTOTAL FROM ADJACENT TABLE		1,078	569	626	0	0	240	98	288	23	33	1,807				
TOTAL		1,915	634	1,052	123	435	240	408	288	23	33	2,283				

PIPE CULVERT SCHEDULE															
FROM	TO	UPSTREAM INVERT	DOWNSTREAM INVERT	P CUL CL A 2 30	P CUL CL C 1 6	P CUL CL D 1 18	PRC FLAR END SEC 18	PRC FLAR END SEC 30	TRENCH BACKFILL	SLOPE					
STATION OFFSET	STATION OFFSET	(FOOT)									(EACH)	(EACH)	(C.Y.)		
SHILOH CUT-OFF															
18+85.20	25.26 RT	18+90.01	15.02 RT	612.34	610.39					12				3	15.67%
49+82.48	37.86 LT	50+08.29	39.03 LT	532.10	531.97					26	2			8	0.50%
49+82.48	37.86 LT	50+08.29	39.03 LT	532.10	531.97					26	2			8	0.50%
51+26.10	43.37 RT	51+26.56	43.59 LT	530.84	530.59	87							2	81	0.29%
TOTAL				87	12	52	4	2	100						



F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9266	06-00062-06-PV	ST. CLAIR	80	15
FHWA REG. NO. 7 ILLINOIS		PROJECT NO. RS-0163(035)		
FEDERAL AID PROJECT		CONTRACT NO. 97457		

MISCELLANEOUS SCHEDULES

GUARDRAIL SCHEDULE										
FROM STATION	TO STATION	SPBGR TY A 6FT POSTS (FOOT)	TRAF BAR TERM T2 (EACH)	TR BAR TRM T1 SPL TAN (EACH)	GUARDRAIL MKR TYPE A (EACH)	TERMINAL MARKER - DA (EACH)	REM RE-E SPBGR TY A (FOOT)	REM RE-E T B TERM T1 (EACH)	REM RE-E T B TERM T6 (EACH)	GUARDRAIL REMOV (NOTE 1) (FOOT)
SHILOH CUT-OFF										
9+00.00	12+50.00	287.5	1	1	31	2				325
55+00.25	57+08.15				36	2	250.0	2	2	
59+75.18	62+00.53				37	2	262.5	2	2	
TOTAL		287.5	1	1	104	6	512.5	4	4	325

GUARDRAIL NOTES:
1. ALL GUARDRAIL CONSIDERED SALVAGEABLE BY ENGINEER SHALL REMAIN PROPERTY OF THE COUNTY.

PAVEMENT MARKING SCHEDULE									
FROM STATION	TO STATION	THPL PVT MK LTR & SYM (SQ FT)	THPL PVT MK LINE 4 (FOOT)	THPL PVT MK LINE 8 (FOOT)	THPL PVT MK LINE 12 (FOOT)	THPL PVT MK LINE 24 (FOOT)	RAISED REFL PAVT MKR (EACH)		
							1-WAY AMBER	1-WAY CRYSTAL	2-WAY AMBER
SHILOH CUT-OFF									
3+50.00	12+55.66		3,585		151	14			12
12+55.66	30+70.00		7,195		37	28			23
47+35.51	80+64.11		10,381		34				43
80+64.11	84+23.20	62	1,404	141	80	88		5	7
TOTAL		62	22,565	141	302	130		90	

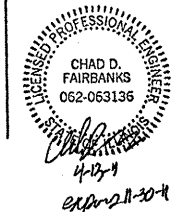
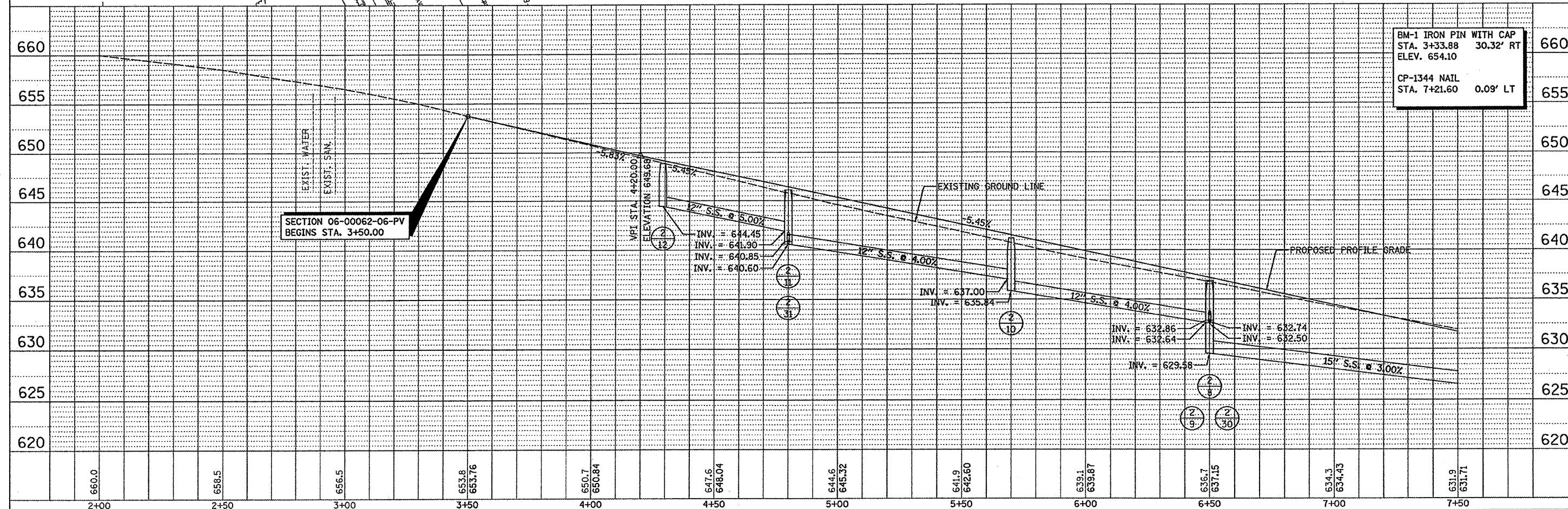
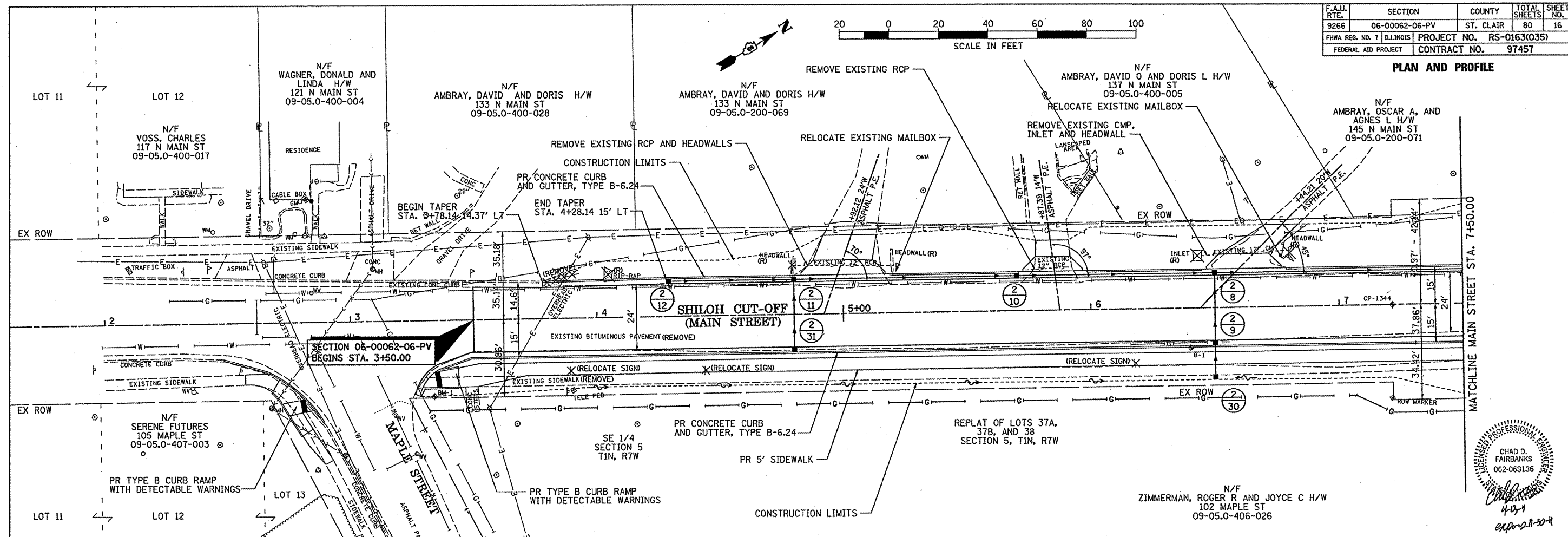
PAVEMENT MARKING NOTES:
1. SEE HIGHWAY STANDARD 780001 FOR PAVEMENT MARKING DETAILS.
2. SEE HIGHWAY STANDARD 781001 FOR RAISED REFLECTIVE PAVEMENT MARKER DETAILS.

TREE REMOVAL					
FROM STATION	TO STATION	OFFSET	TREE REMOV 6-15 (UNIT)	TREE REMOV OVER 15 (UNIT)	TREE REMOV ACRES (ACRE)
SHILOH CUT-OFF					
12+55.66	30+70.00	LEFT	204	322	0.25
12+55.66	30+70.00	RIGHT	290		0.75
67+00.00	67+20.00	RIGHT	21	24	
TOTAL			515	346	1.00



F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9266	06-00062-06-PV	ST. CLAIR	80	16
FHWA REG. NO. 7 ILLINOIS PROJECT NO. RS-0163(035)		CONTRACT NO. 97457		

PLAN AND PROFILE

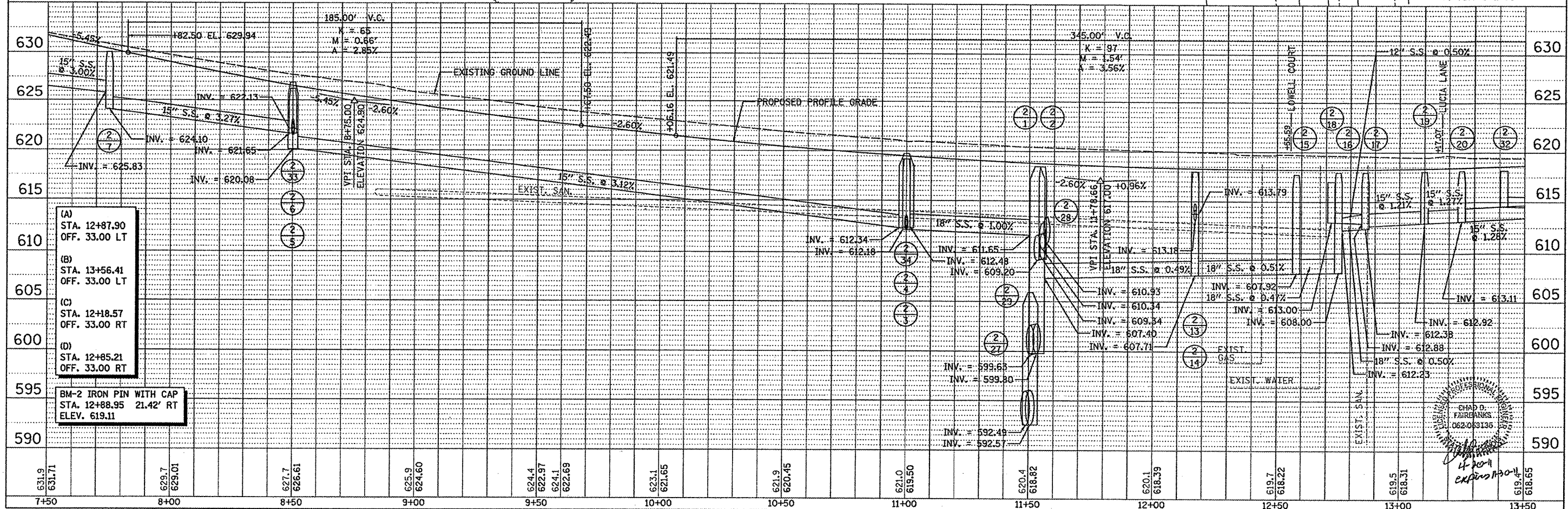
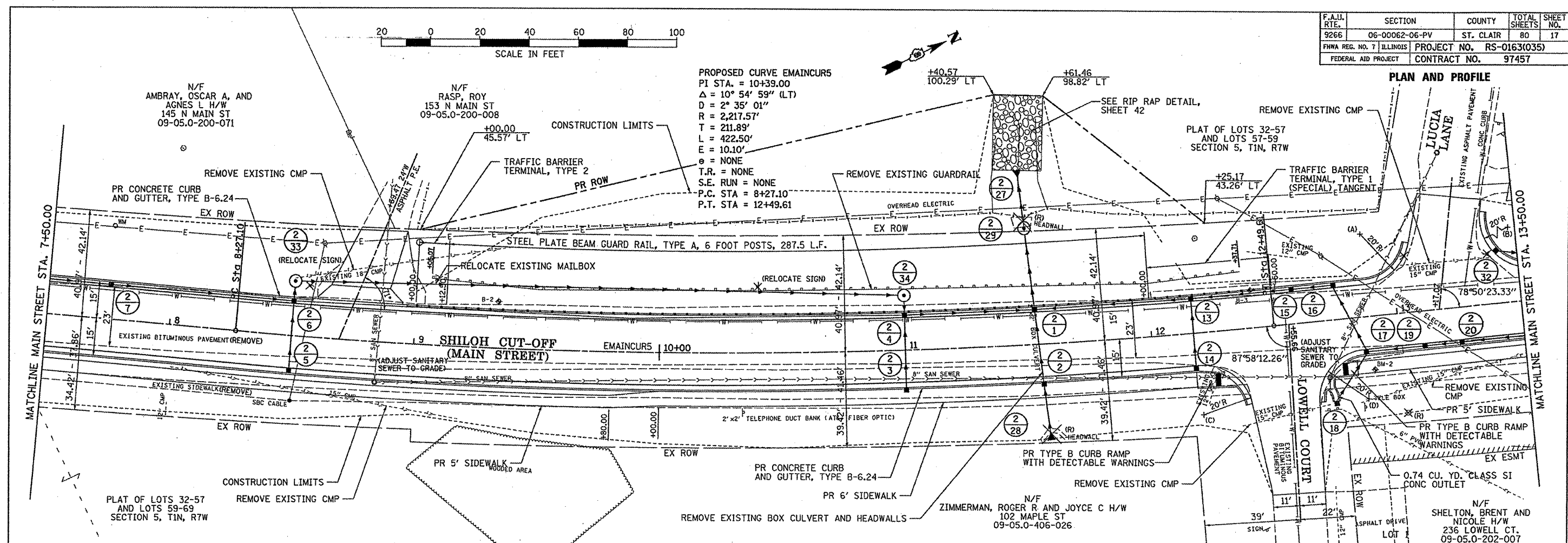


BM-1 IRON PIN WITH CAP
STA. 3+33.88 30.32' RT
ELEV. 654.10

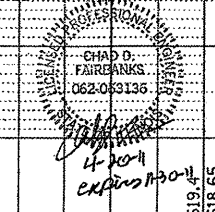
CP-1344 NAIL
STA. 7+21.60 0.09' LT

F.A.I.L. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9266	06-00062-06-PV	ST. CLAIR	80	17
FHWA REG. NO. 7 ILLINOIS		PROJECT NO. RS-0163(035)		
FEDERAL AID PROJECT		CONTRACT NO. 97457		

PLAN AND PROFILE

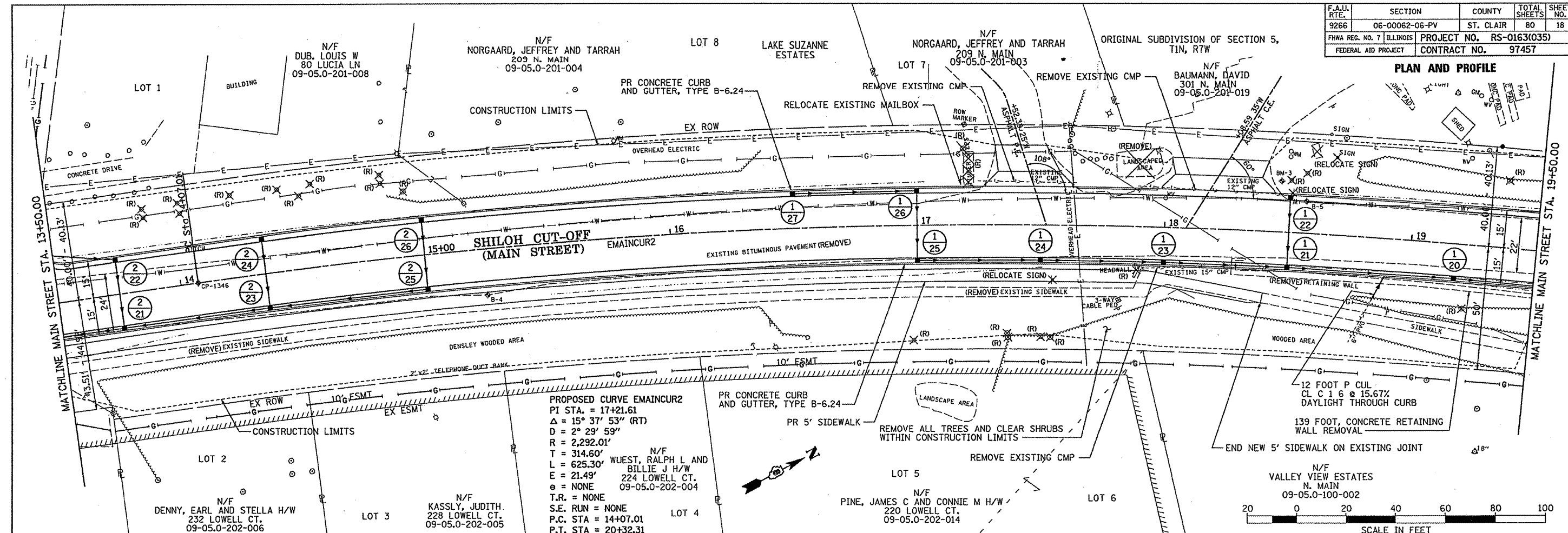


- (A) STA. 12+87.90
OFF. 33.00 LT
 - (B) STA. 13+56.41
OFF. 33.00 LT
 - (C) STA. 12+18.57
OFF. 33.00 RT
 - (D) STA. 12+85.21
OFF. 33.00 RT
- BM-2 IRON PIN WITH CAP
STA. 12+88.95 21.42' RT
ELEV. 619.11

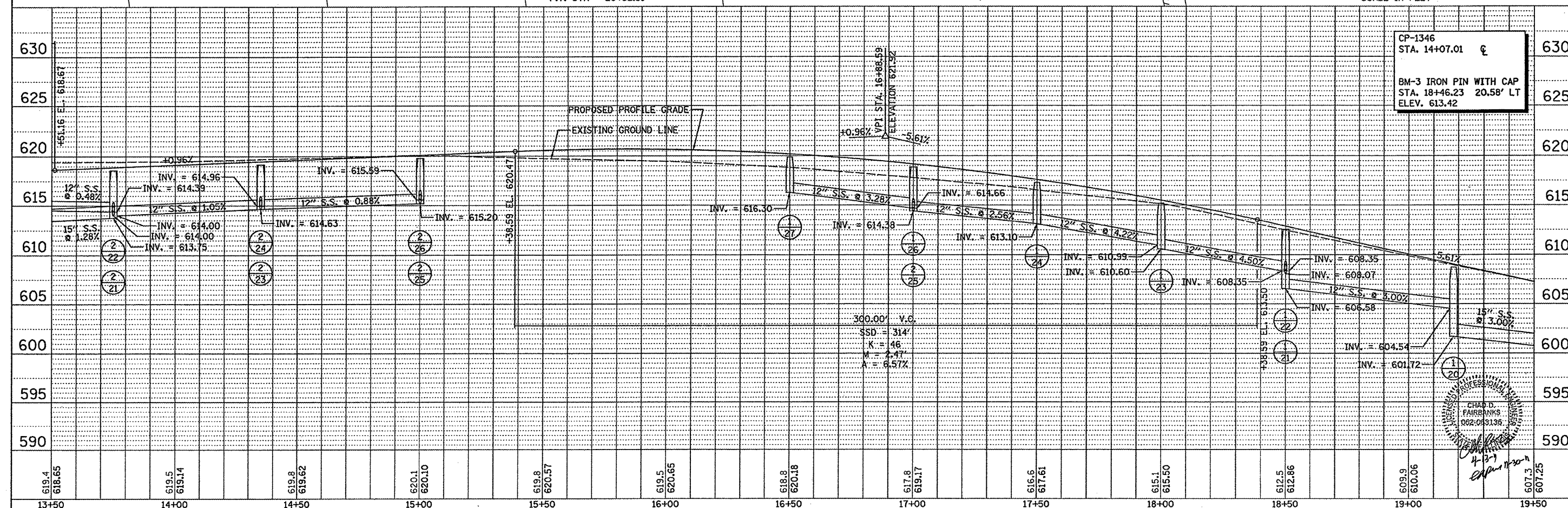
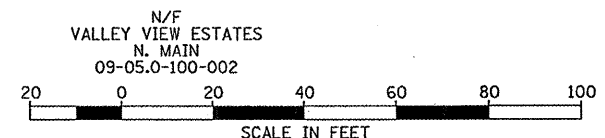


F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9266	06-00062-06-PV	ST. CLAIR	80	18
FHWA REG. NO. 7	ILLINOIS	PROJECT NO.	RS-0163(035)	
FEDERAL AID PROJECT	CONTRACT NO.		97457	

PLAN AND PROFILE



PROPOSED CURVE EMAINCUR2
 PI STA. = 17+21.61
 $\Delta = 15^\circ 37' 53''$ (RT)
 $D = 2^\circ 29' 59''$
 $R = 2,292.01'$
 $T = 314.60'$
 $L = 625.30'$ N/F WUEST, RALPH L AND BILLIE J H/W
 $E = 21.49'$ 224 LOWELL CT.
 $\theta = \text{NONE}$ 09-05.0-202-004
 T.R. = NONE
 S.E. RUN = NONE
 P.C. STA = 14+07.01
 P.T. STA = 20+32.31



CP-1346
 STA. 14+07.01
 BM-3 IRON PIN WITH CAP
 STA. 18+46.23 20.58' LT
 ELEV. 613.42

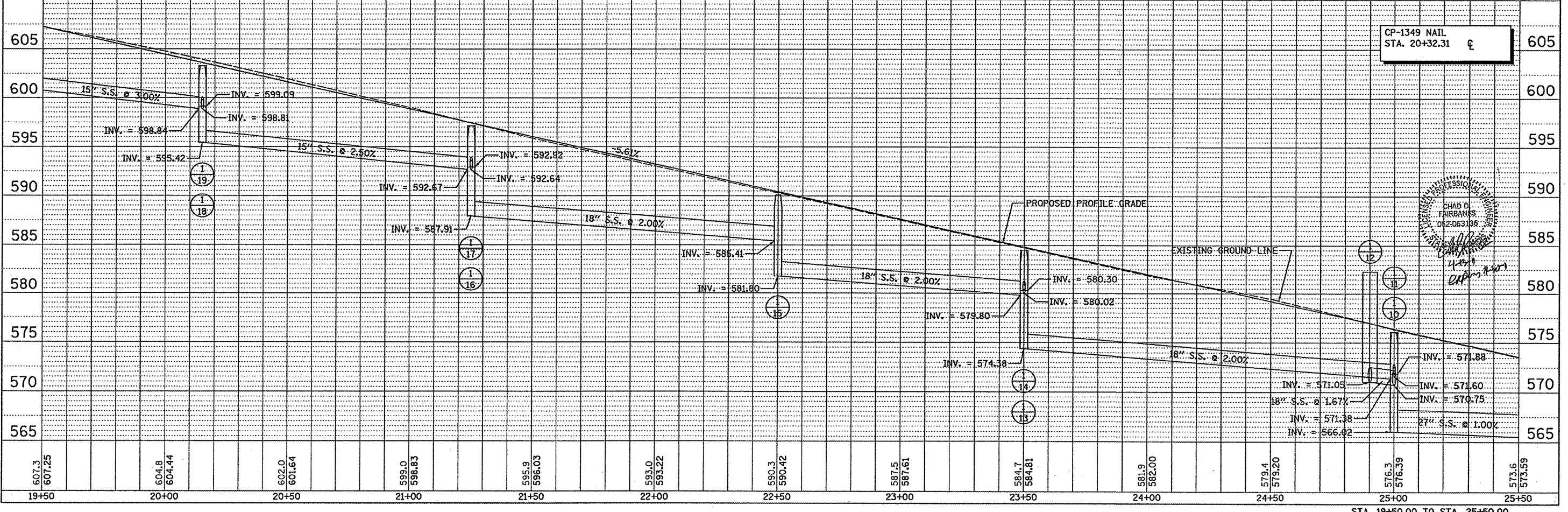
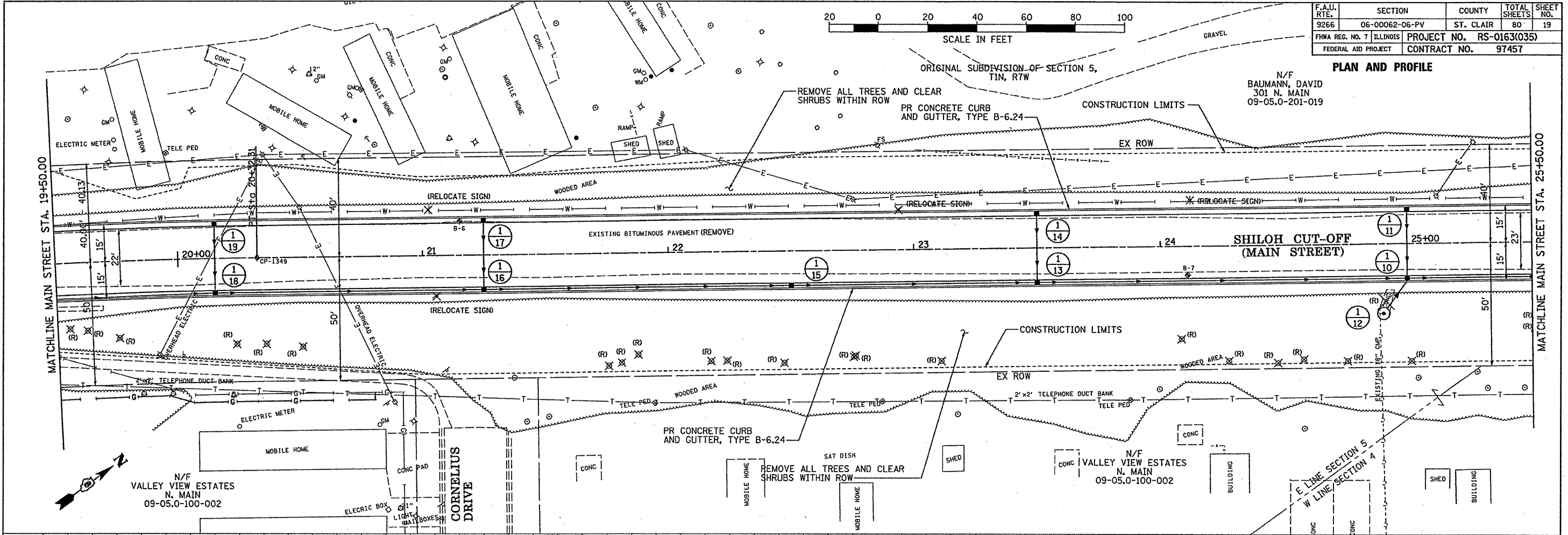
CHAD D. FAIRBANKS
 062-05138
 4/13/11

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9266	06-00062-06-PV	ST. CLAIR	80	19
FHWA REG. NO. 7 ILLINOIS		PROJECT NO. RS-0163(035)		
FEDERAL AID PROJECT		CONTRACT NO. 97457		

PLAN AND PROFILE

N/F BAUMANN, DAVID
301 N. MAIN
09-05.0-201-019

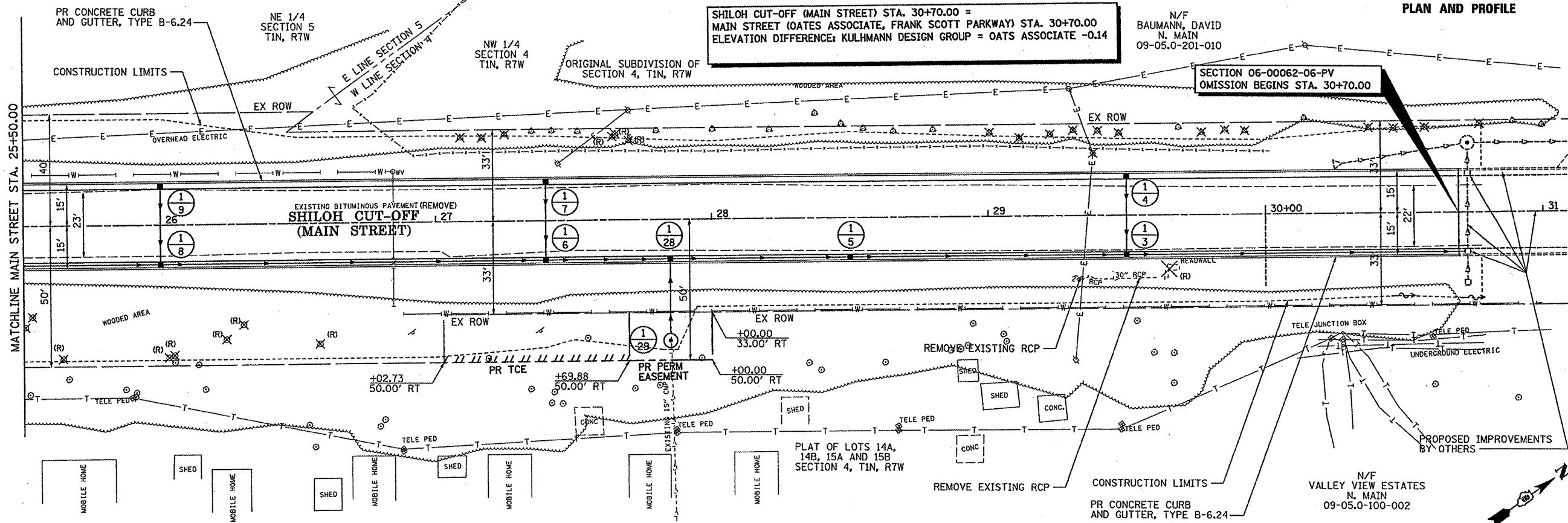
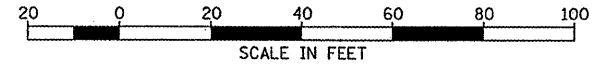
N/F VALLEY VIEW ESTATES
N. MAIN
09-05.0-100-002



STA. 19+50.00 TO STA. 25+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9266	06-00062-06-PV	ST. CLAIR	80	20
FHWA REG. NO. 7 ILLINOIS		PROJECT NO. RS-0163(035)		
FEDERAL AID PROJECT		CONTRACT NO. 97457		

PLAN AND PROFILE

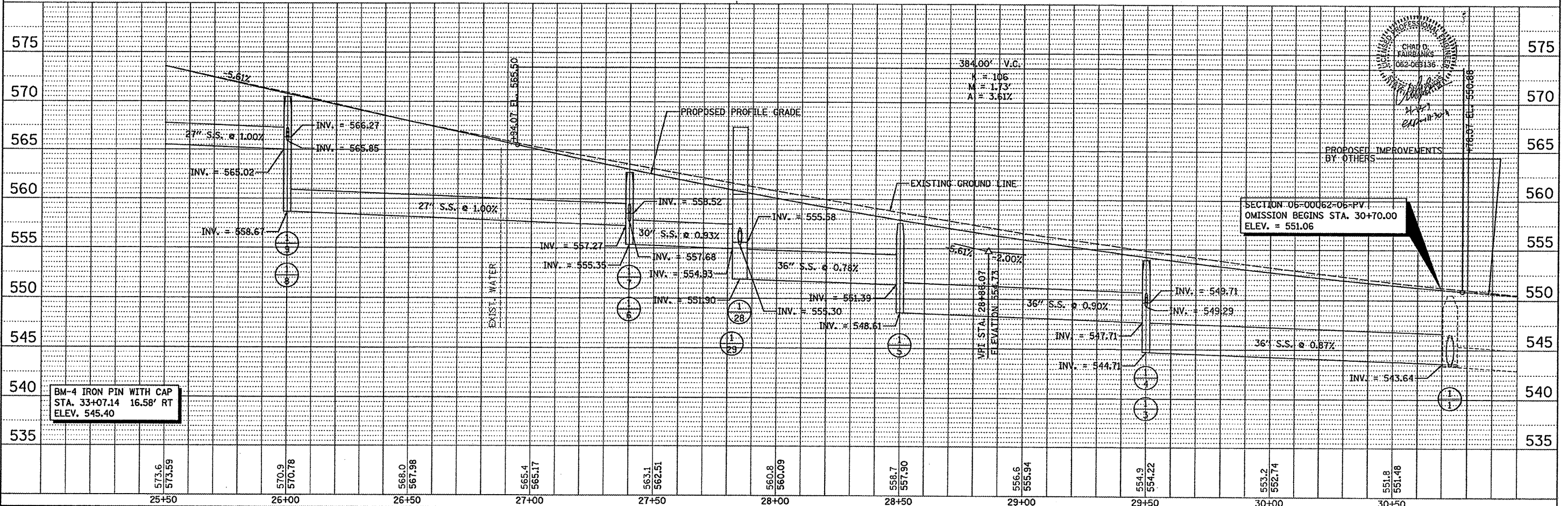


SHILOH CUT-OFF (MAIN STREET) STA. 30+70.00 =
 MAIN STREET (OATES ASSOCIATE, FRANK SCOTT PARKWAY) STA. 30+70.00
 ELEVATION DIFFERENCE: KULHMANN DESIGN GROUP = OATES ASSOCIATE -0.14

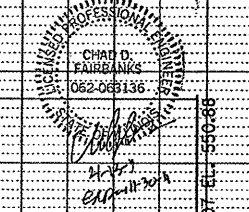
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 N. MAIN
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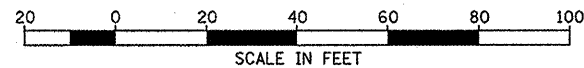
SECTION 06-00062-06-PV
 OMISSION BEGINS STA. 30+70.00

N/F VALLEY VIEW ESTATES
 N. MAIN
 09-05.0-100-002



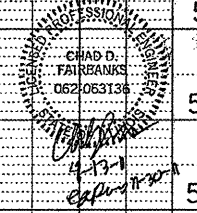
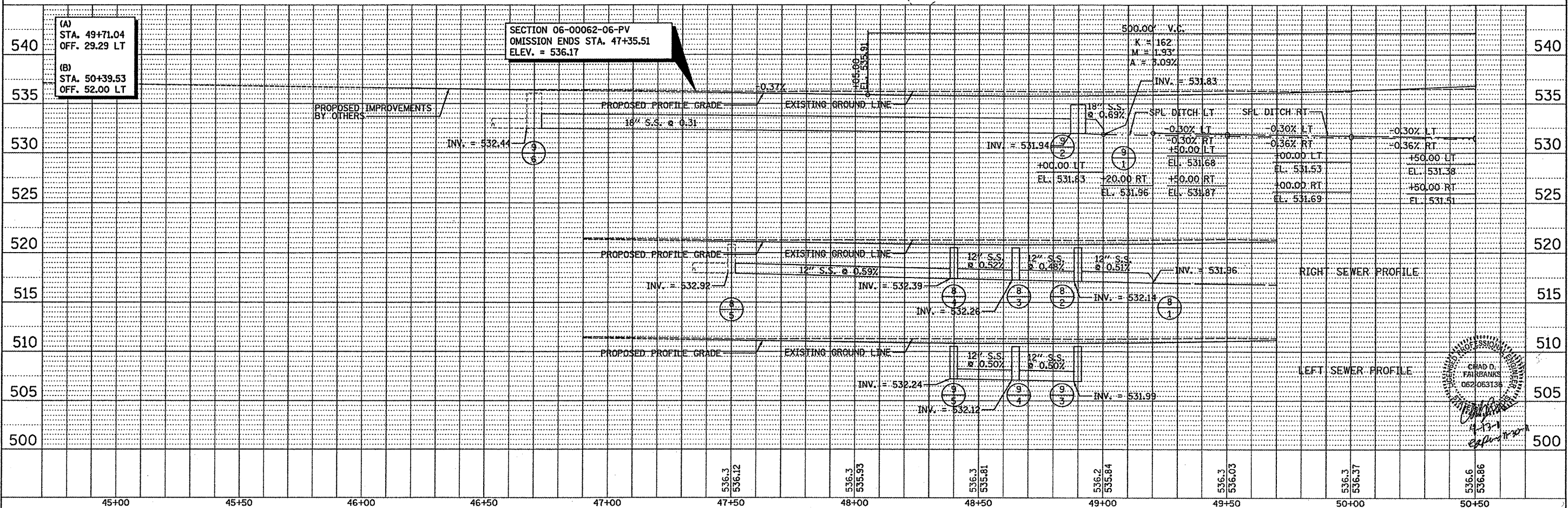
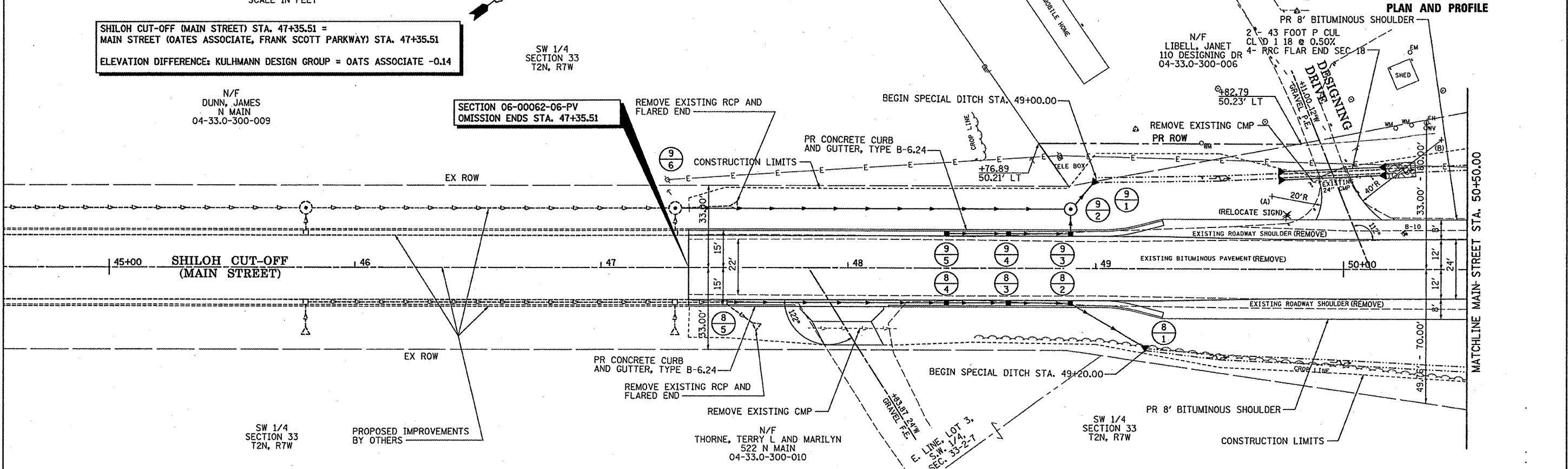
SECTION 06-00062-06-PV
 OMISSION BEGINS STA. 30+70.00
 ELEV. = 551.06





SHILOH CUT-OFF (MAIN STREET) STA. 47+35.51 =
 MAIN STREET (OATES ASSOCIATE, FRANK SCOTT PARKWAY) STA. 47+35.51
 ELEVATION DIFFERENCE: KULHMANN DESIGN GROUP = OATES ASSOCIATE -0.14

F.A.U. RTE. 9266	SECTION 06-00062-06-PV	COUNTY ST. CLAIR	TOTAL SHEETS 80	SHEET NO. 21
FHWA REG. NO. 7 ILLINOIS PROJECT NO. RS-0163(035)		FEDERAL AID PROJECT CONTRACT NO. 97457		

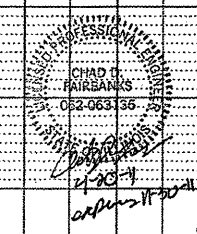
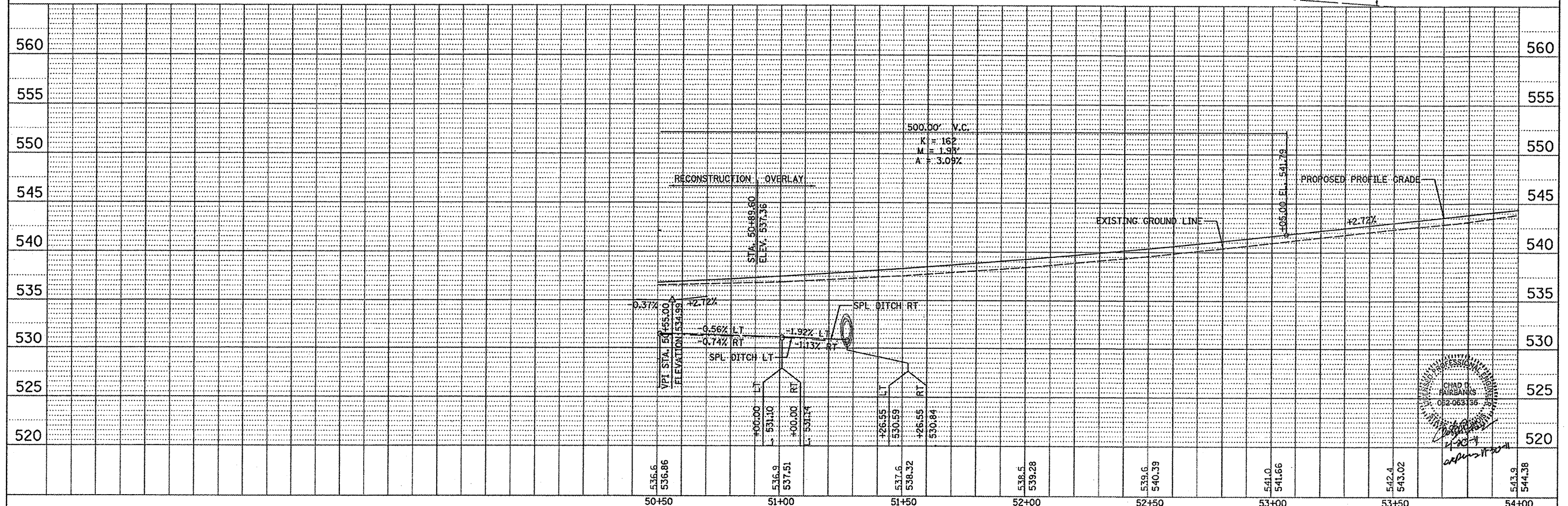
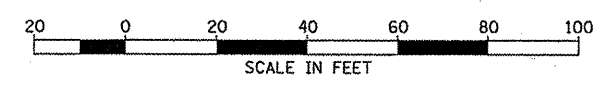
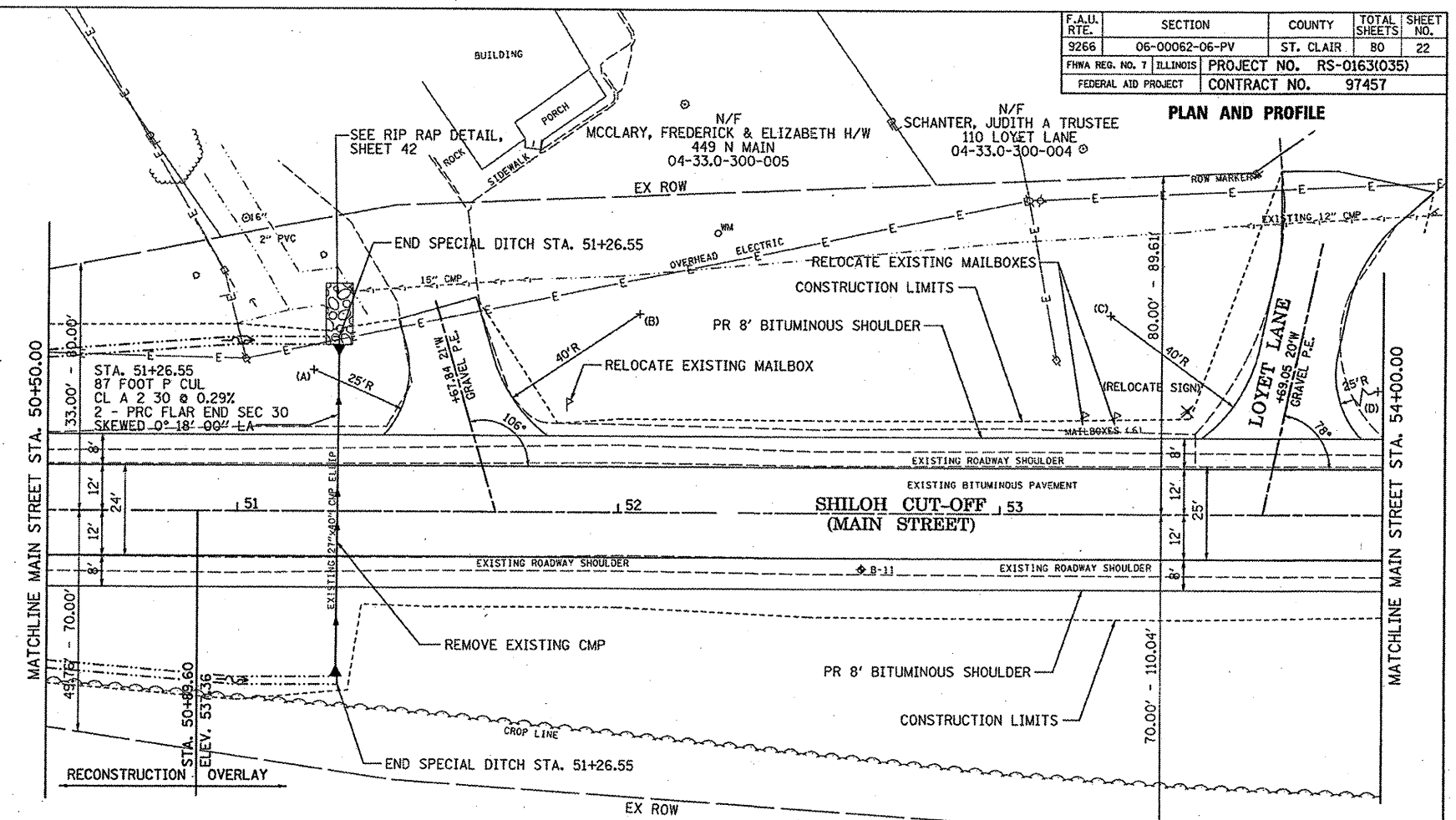


STA. 47+35.51 TO STA. 50+50.00

- (A) STA. 51+20.00
OFF. 37.00 LT
- (B) STA. 52+05.38
OFF. 52.00 LT
- (C) STA. 53+28.95
OFF. 52.00 LT
- (D) STA. 54+12.66
OFF. 37.00 LT

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9266	06-00062-06-PV	ST. CLAIR	80	22
FHWA REG. NO. 7 ILLINOIS		PROJECT NO. RS-0163(035)		
FEDERAL AID PROJECT		CONTRACT NO. 97457		

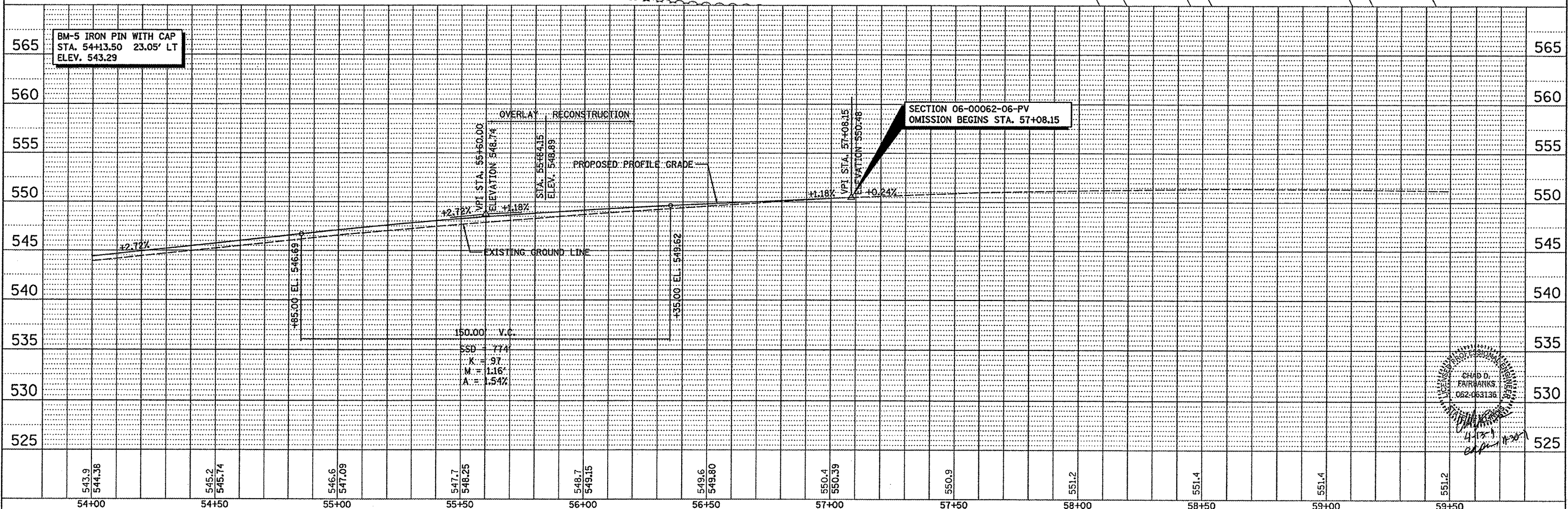
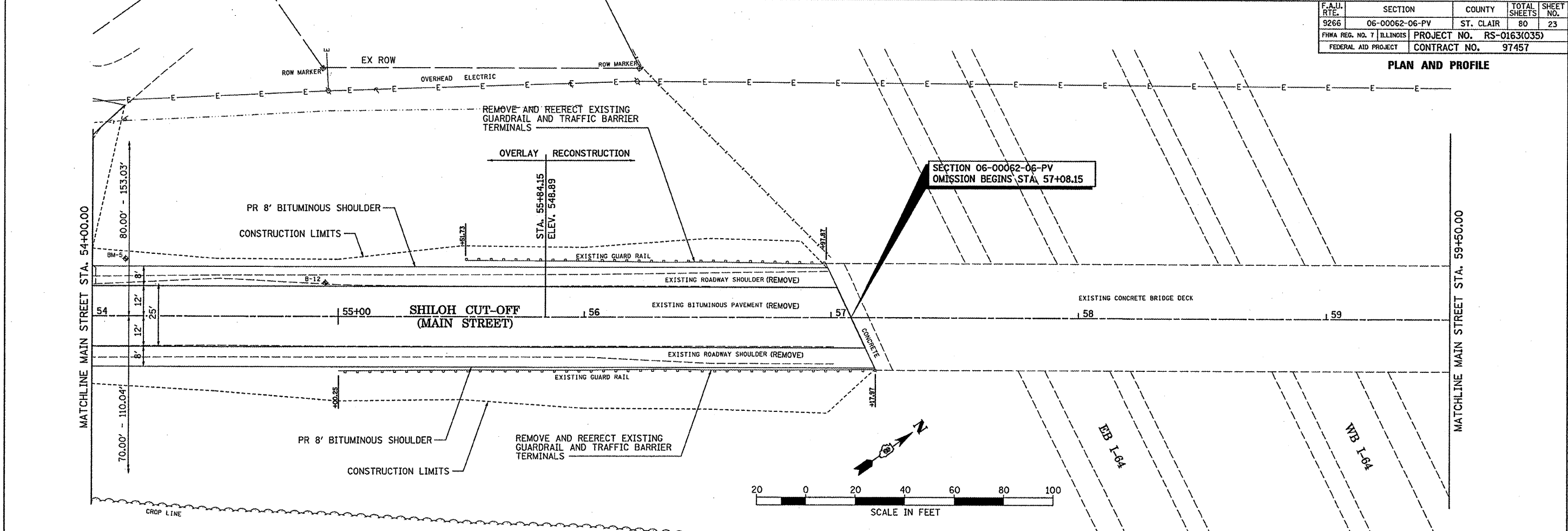
PLAN AND PROFILE



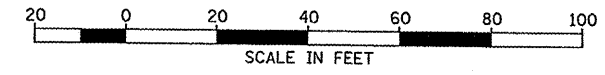
STA. 50+50.00 TO STA. 54+00.00

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9266	06-00062-06-PV	ST. CLAIR	80	23
FHWA REG. NO. 7 ILLINOIS		PROJECT NO. RS-0163(035)		
FEDERAL AID PROJECT		CONTRACT NO. 97457		

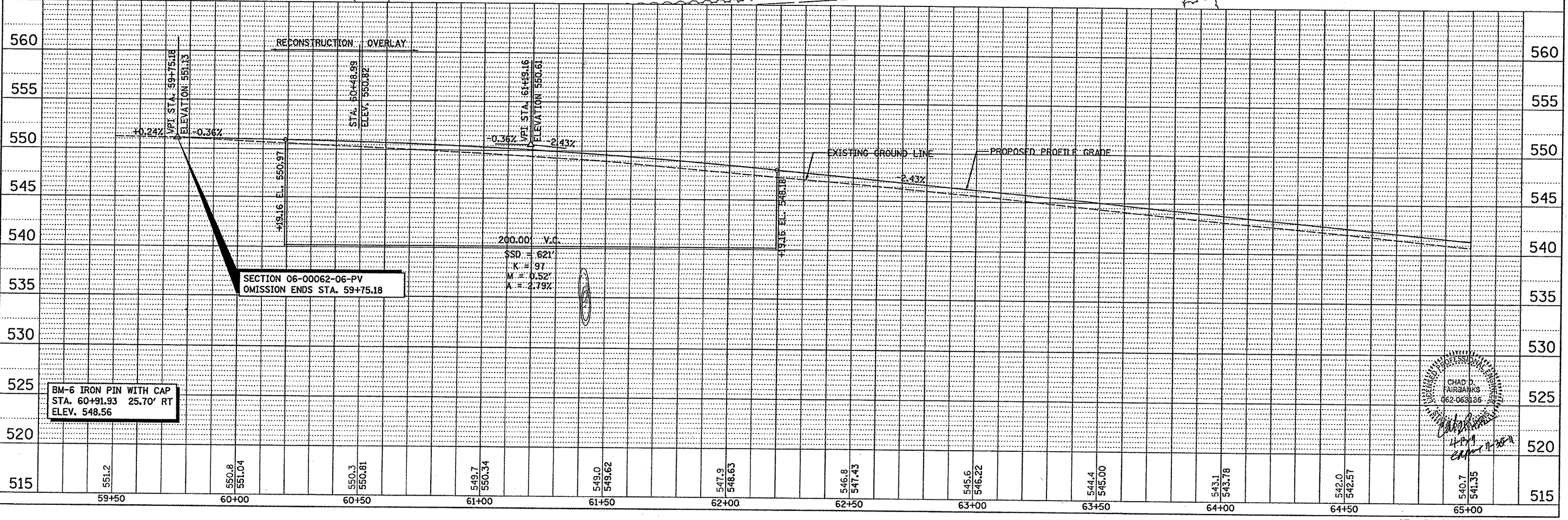
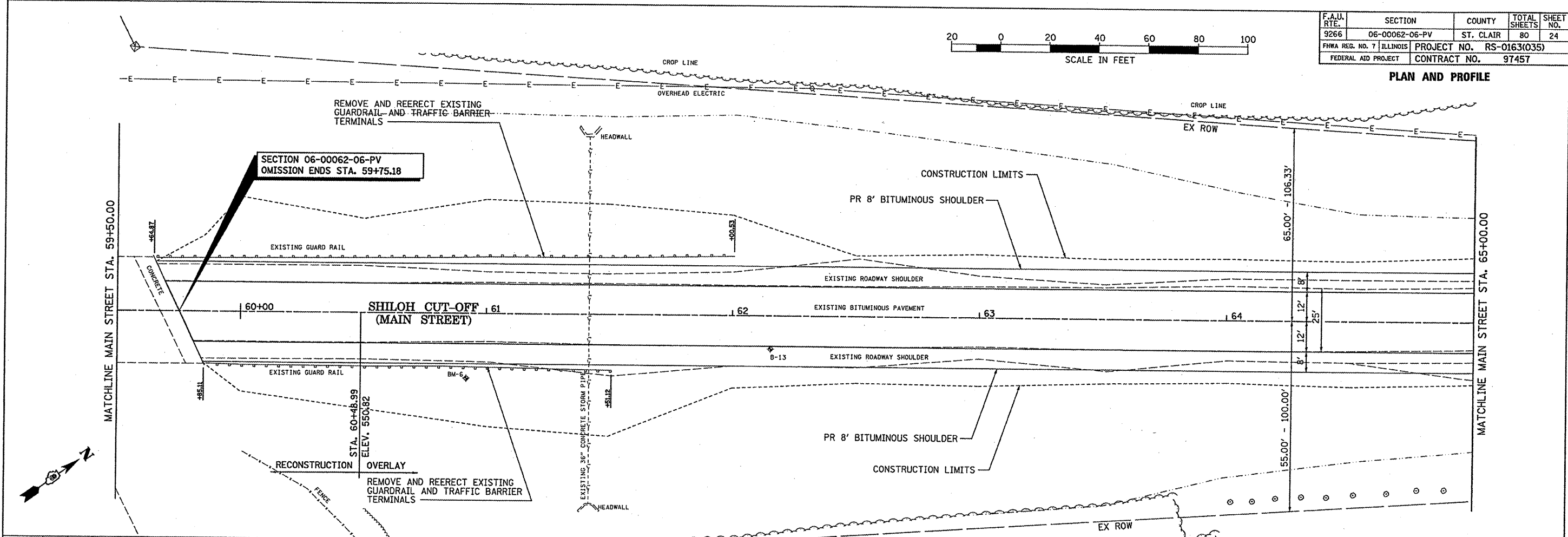
PLAN AND PROFILE



F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9266	06-00062-06-PV	ST. CLAIR	80	24
FHWA REG. NO. 7 ILLINOIS		PROJECT NO. RS-0163(035)		
FEDERAL AID PROJECT		CONTRACT NO. 97457		

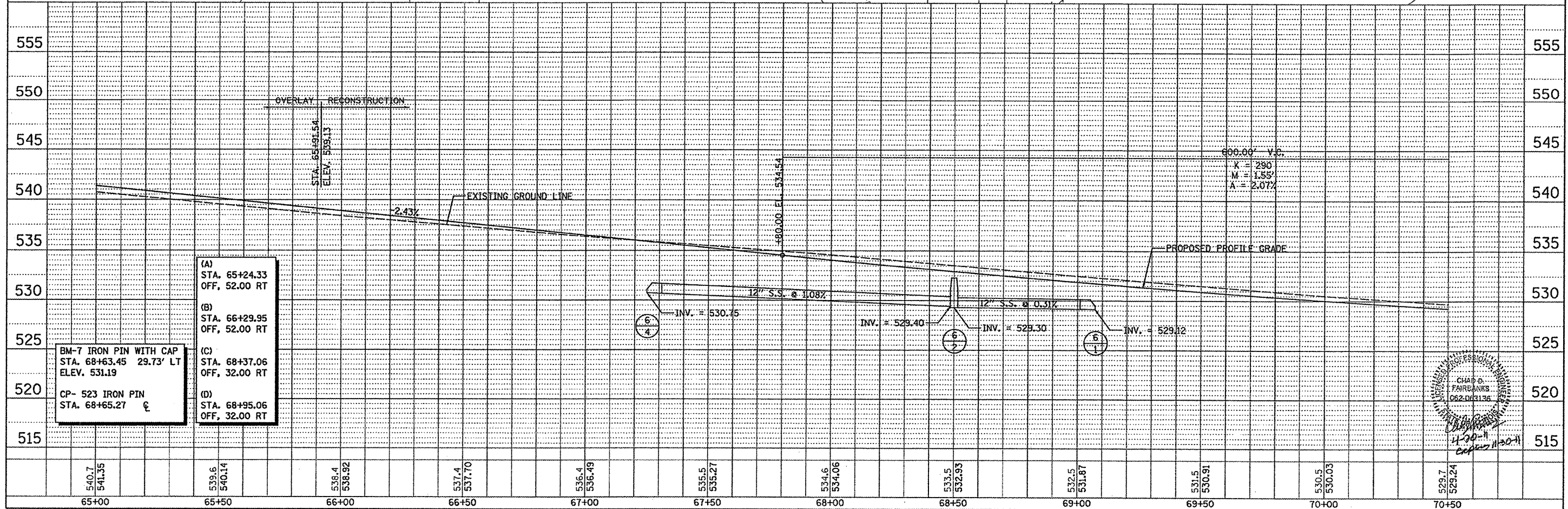
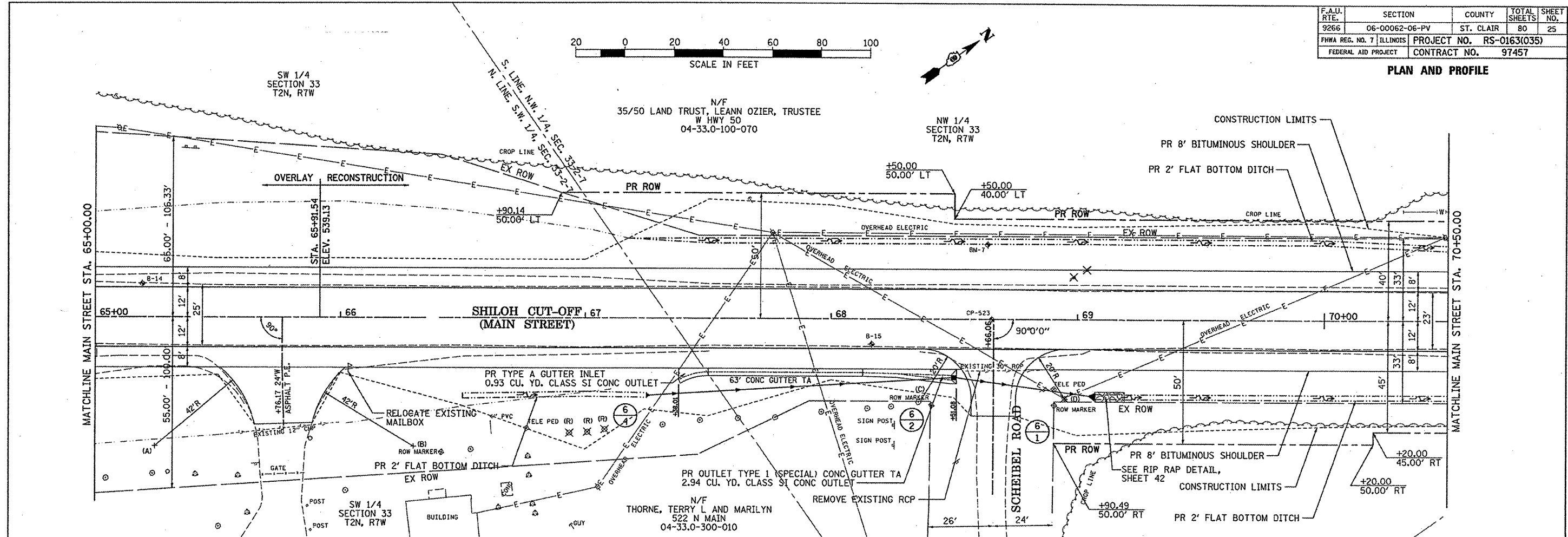
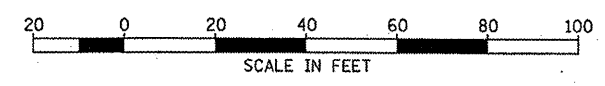


PLAN AND PROFILE



F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9266	06-00062-06-PV	ST. CLAIR	80	25
FHWA REG. NO. 7	ILLINOIS	PROJECT NO.	RS-0163(035)	
FEDERAL AID PROJECT		CONTRACT NO.	97457	

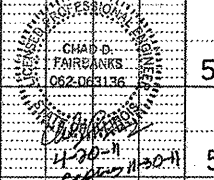
PLAN AND PROFILE



- (A) STA. 65+24.33
OFF. 52.00 RT
- (B) STA. 66+29.95
OFF. 52.00 RT
- (C) STA. 68+37.06
OFF. 32.00 RT
- (D) STA. 68+95.06
OFF. 32.00 RT

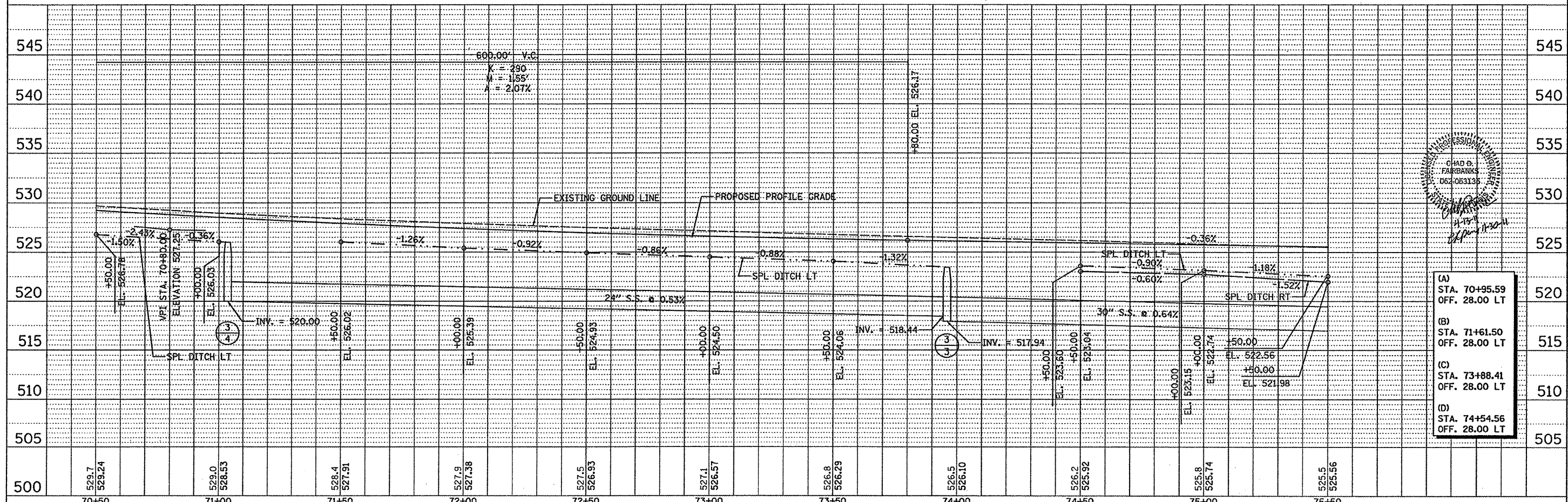
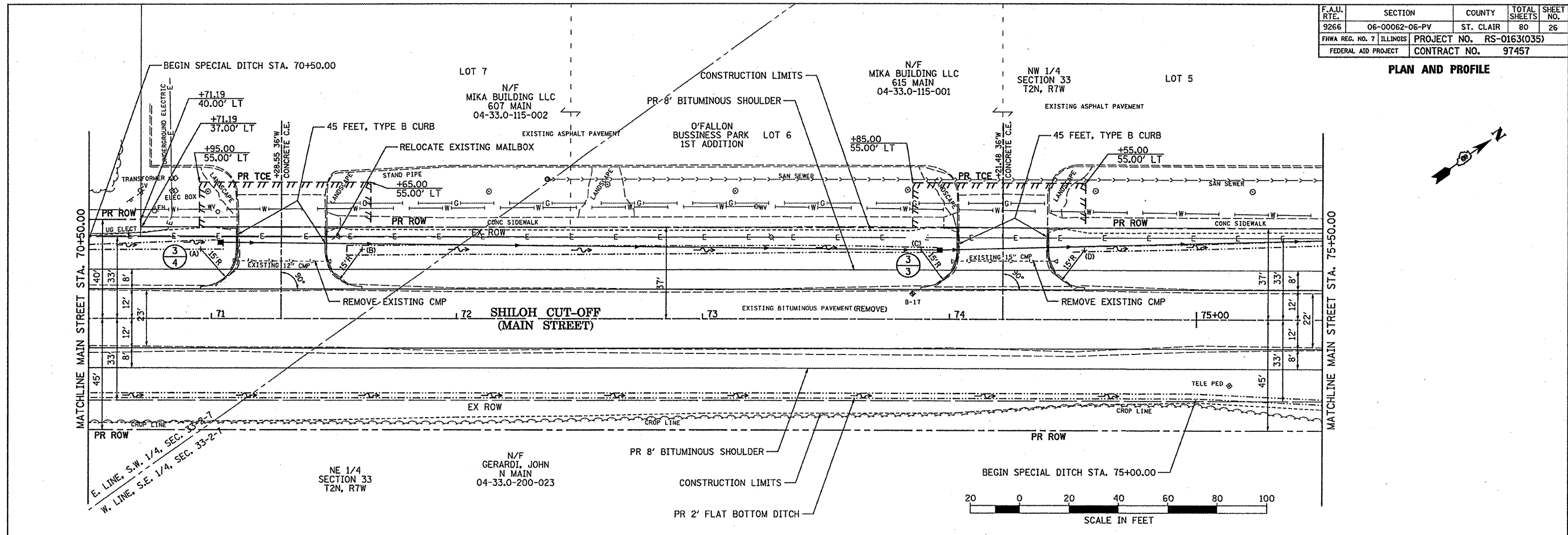
BM-7 IRON PIN WITH CAP
STA. 68+63.45 29.73' LT
ELEV. 531.19

CP- 523 IRON PIN
STA. 68+65.27 0



F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9266	06-00062-06-PV	ST. CLAIR	80	26
FHWA REG. NO. 7 ILLINOIS		PROJECT NO. RS-0163(035)		
FEDERAL AID PROJECT		CONTRACT NO. 97457		

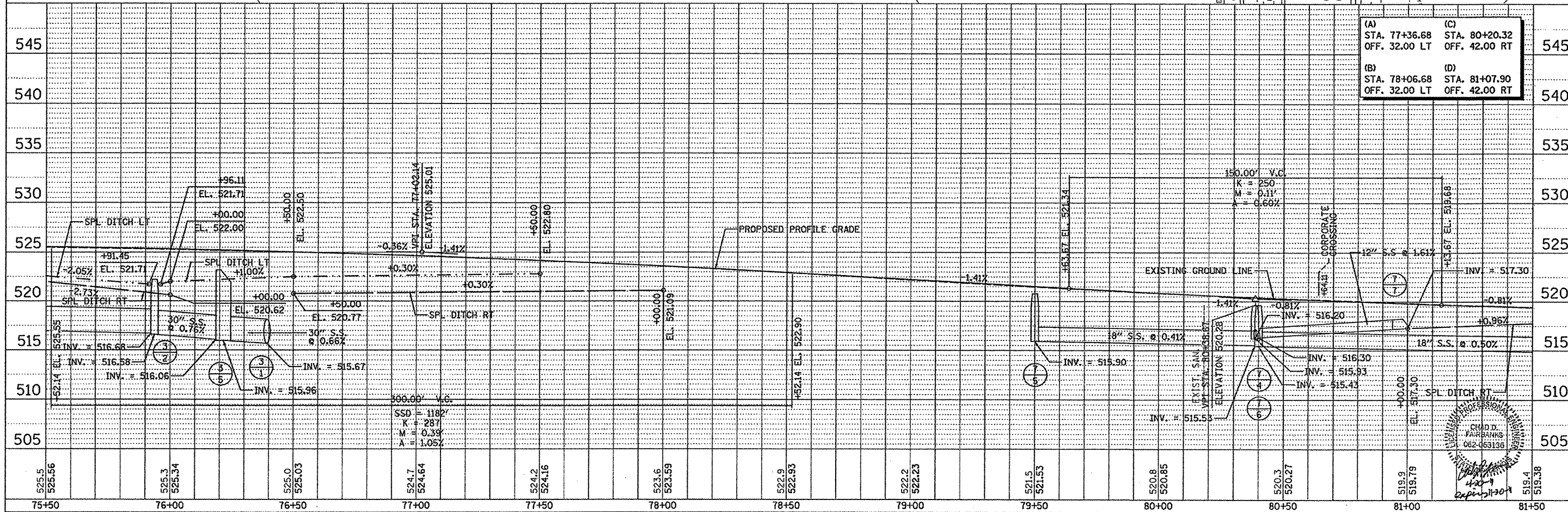
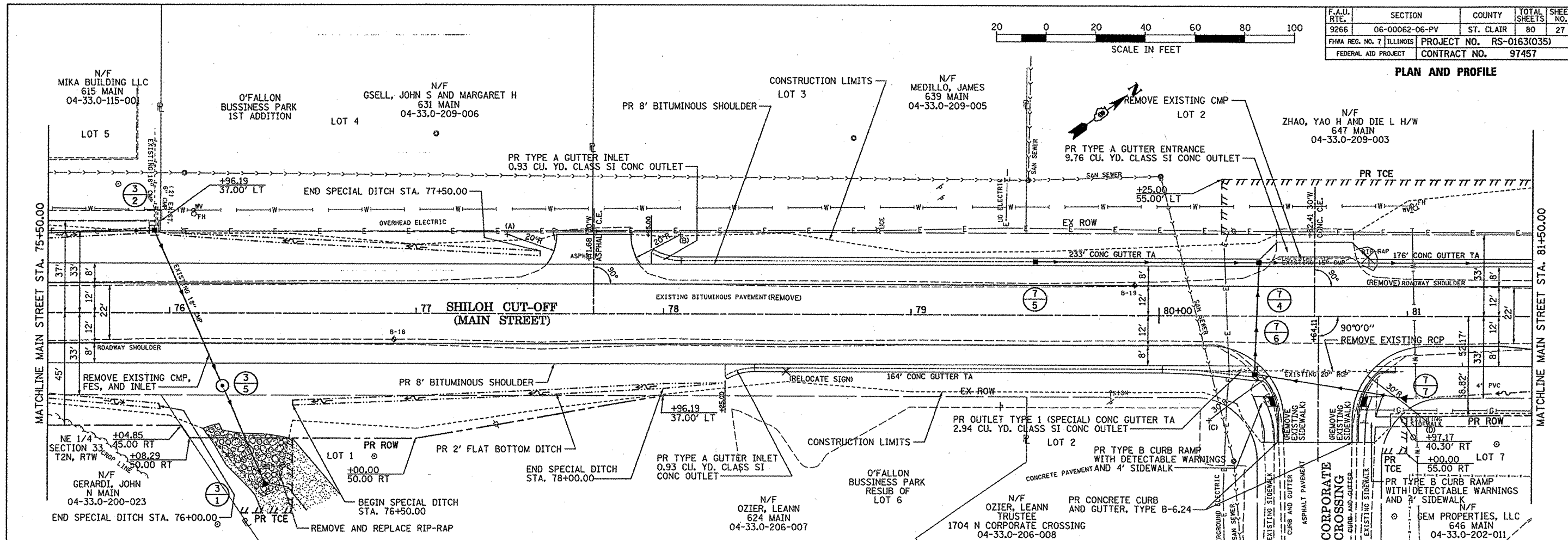
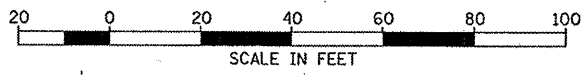
PLAN AND PROFILE



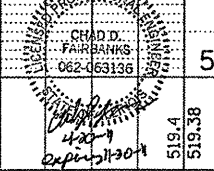
- (A) STA. 70+95.59
OFF. 28.00 LT
- (B) STA. 71+61.50
OFF. 28.00 LT
- (C) STA. 73+88.41
OFF. 28.00 LT
- (D) STA. 74+54.56
OFF. 28.00 LT

F.A.A. RITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9266	06-00062-06-PV	ST. CLAIR	80	27
FHWA REG. NO. 7 ILLINOIS PROJECT NO. RS-0163(035)		FEDERAL AID PROJECT CONTRACT NO. 97457		

PLAN AND PROFILE

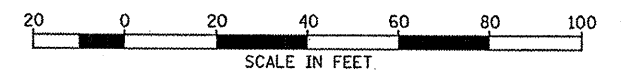


(A)	STA. 77+36.68	(C)	STA. 80+20.32
	OFF. 32.00 LT		OFF. 42.00 RT
(B)	STA. 78+06.68	(D)	STA. 81+07.90
	OFF. 32.00 LT		OFF. 42.00 RT

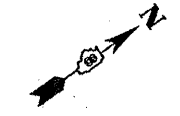


F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9266	06-00062-06-PV	ST. CLAIR	80	28
FHWA REG. NO. 7	ILLINOIS	PROJECT NO.	RS-0163(035)	
FEDERAL AID PROJECT	CONTRACT NO.		97457	

PLAN AND PROFILE



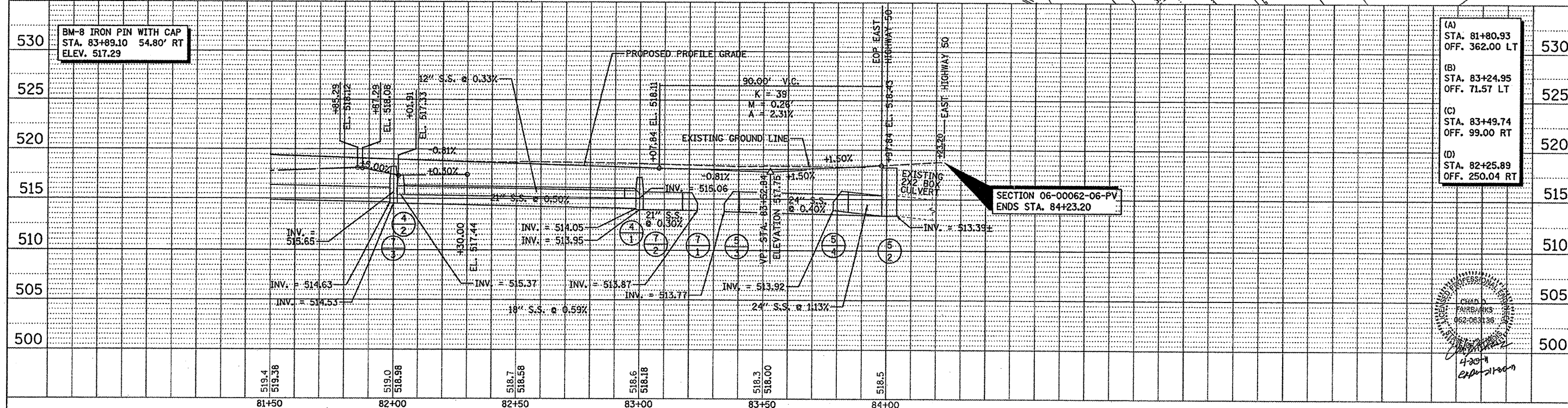
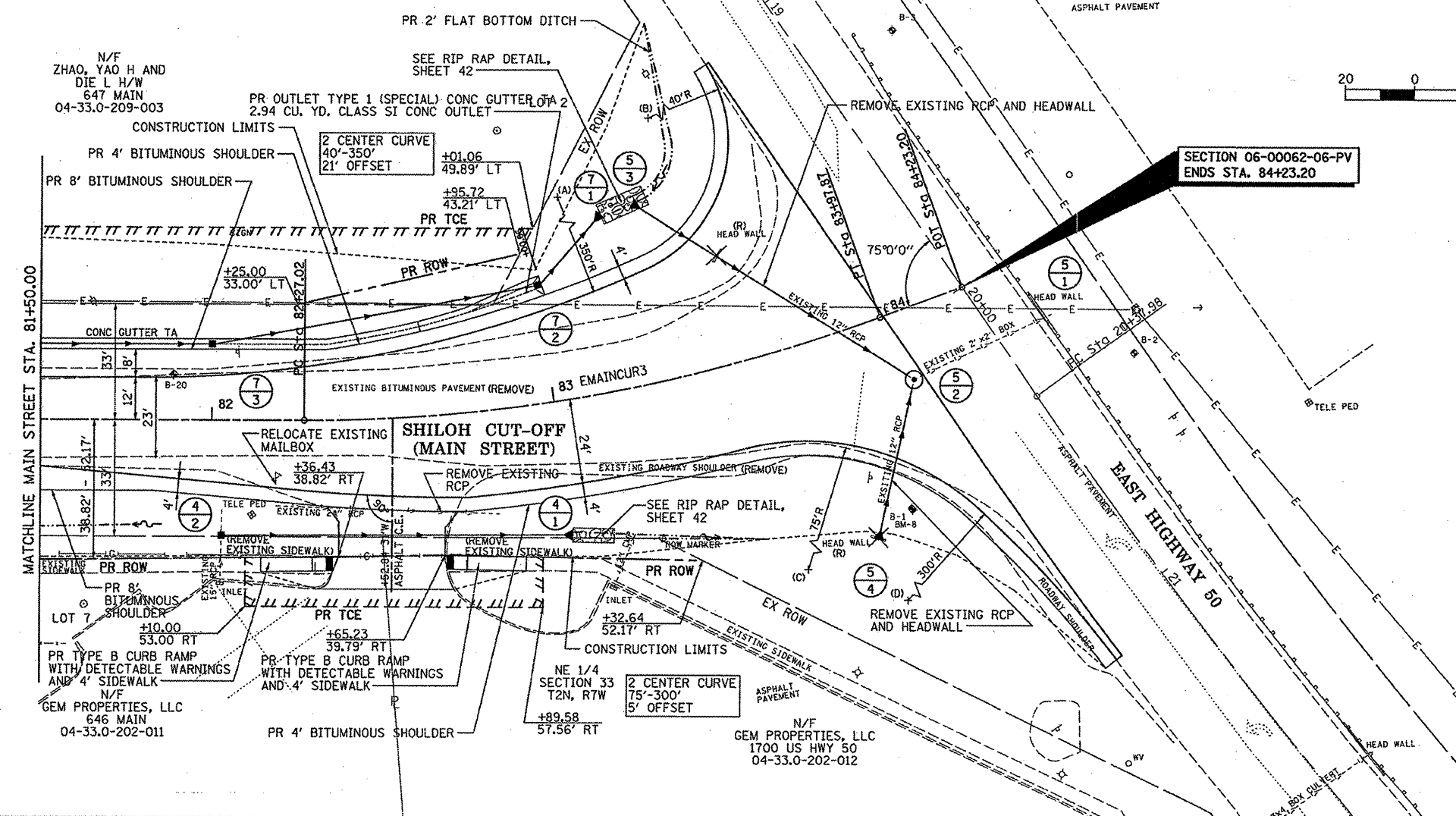
LAKEPOINTE CENTRE PROFESSIONAL PARK



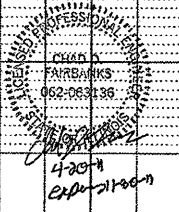
N/F
DUNBAR BUILDERS
MANSION WAY
04-33.0-205-038

EXIST. CURVE E50C0R01
PI STA. = 26+08.98
Δ = 33° 17' 09" (LT)
D = 2° 59' 58"
R = 1,910.15'
T = 571.00'
L = 1,109.70'
E = 83.52'
P.C. STA. = 20+37.98
P.T. STA. = 31+47.68

PROPOSED CURVE EMAINCUR3
PI STA. = 83+13.36
Δ = 20° 23' 39" (LT)
D = 11° 56' 12"
R = 480.00'
T = 86.34'
L = 170.85'
E = 7.70'
e = NONE
T.R. = NONE
S.E. RUN = NONE
P.C. STA = 82+27.02
P.T. STA = 83+97.87



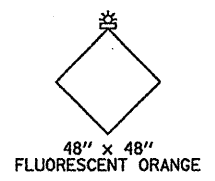
(A)	STA. 81+80.93	OFF. 362.00 LT	530
(B)	STA. 83+24.95	OFF. 71.57 LT	525
(C)	STA. 83+49.74	OFF. 99.00 RT	520
(D)	STA. 82+25.89	OFF. 250.04 RT	515



LEGEND

- ① TYPE III BARRICADES STAGGERED WITH R-11-4-6030 (ROAD CLOSED TO THRU TRAFFIC) SIGNS AND TYPE A LOW INTENSITY FLASHING LIGHTS
- ① ROAD CLOSED W20-3(O)
- ② ROAD CLOSED 1000 FT W20-1(O)
- ③ ROAD CLOSED AHEAD W20-1(O)
- ④ ROAD CONSTRUCTION AHEAD W20-1A
- ⑤ ONE WAY LEFT R6-1L
- ⑥ ONE WAY RIGHT R6-1R
- ⑦ 24" x 24"
- ⑧ 24" x 24"
- ⑨ 36" x 30"
- ⑩ 36" x 30"
- ⑪ 24" x 30"
- ⑫ DETOUR AHEAD W20-2
- ⑬ END DETOUR M4-8a
- ⑭ RIGHT TURN PROHIBITION R3-1
- ⑮ LEFT TURN PROHIBITION R3-1
- WORK ZONE

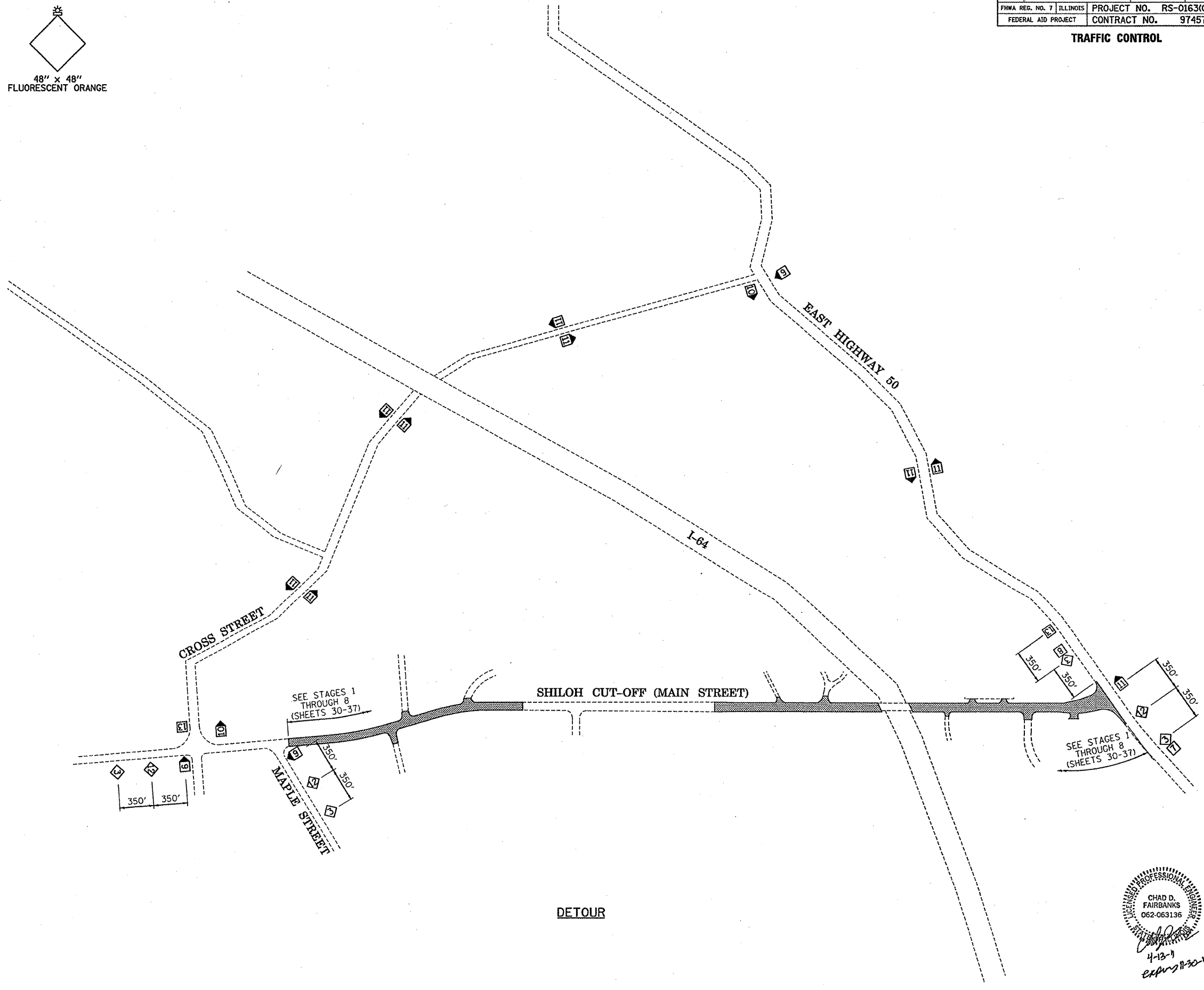
1. TYPE III BARRICADES AND ROAD CLOSURE SIGNS SHALL BE POSITIONED AS SHOWN IN ACCORDANCE WITH HIGHWAY STANDARD 701901 AND AS DIRECTED BY THE ENGINEER.
2. TYPE A LOW INTENSITY FLASHING WARNING LIGHTS SHALL BE USED ON EACH SIGN IN ADVANCE OF THE WORK DURING HOURS OF DARKNESS.
3. ALL WARNING SIGNS SHALL BE A MINIMUM OF 48" x 48" AND HAVE A BLACK LEGEND AND BORDER ON A FLUORESCENT ORANGE REFLECTORIZED BACKGROUND.
4. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ENTRANCES AT ALL TIMES.
5. LONGITUDINAL DISTANCES MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
6. ALL TYPE III BARRICADES UTILIZED FOR ROAD CLOSURES SHALL HAVE A LOW INTENSITY FLASHING LIGHT MOUNTED ON TOP OF EACH BARRICADE.
7. ALL RESIDENTS FRONTING THE PROJECT SHALL BE NOTIFIED AT LEAST 48 HOURS PRIOR TO ROAD CLOSURES AFFECTING THEIR ACCESS.
8. SEE HIGHWAY STANDARD B.L.R. 21-6 AND B.L.R. 22-4 FOR LANE CLOSURES ON RURAL HIGHWAYS.
9. EXACT LOCATION OF ALL WARNING SIGNS AND BARRICADES SHALL BE STAKED IN THE FIELD FOR APPROVAL BY THE ENGINEER PRIOR TO INSTALLATION.



48" x 48"
FLUORESCENT ORANGE






F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9266	06-00062-06-PV	ST. CLAIR	80	29
FHWA REG. NO. 7	ILLINOIS	PROJECT NO.	RS-0163(035)	
FEDERAL AID PROJECT	CONTRACT NO.		97457	

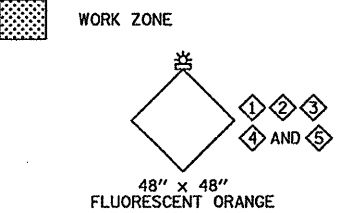
TRAFFIC CONTROL



PROFESSIONAL ENGINEER
CHAD D. FAIRBANKS
062-063136
4-13-11
EAF/MS/11-30-11

LEGEND

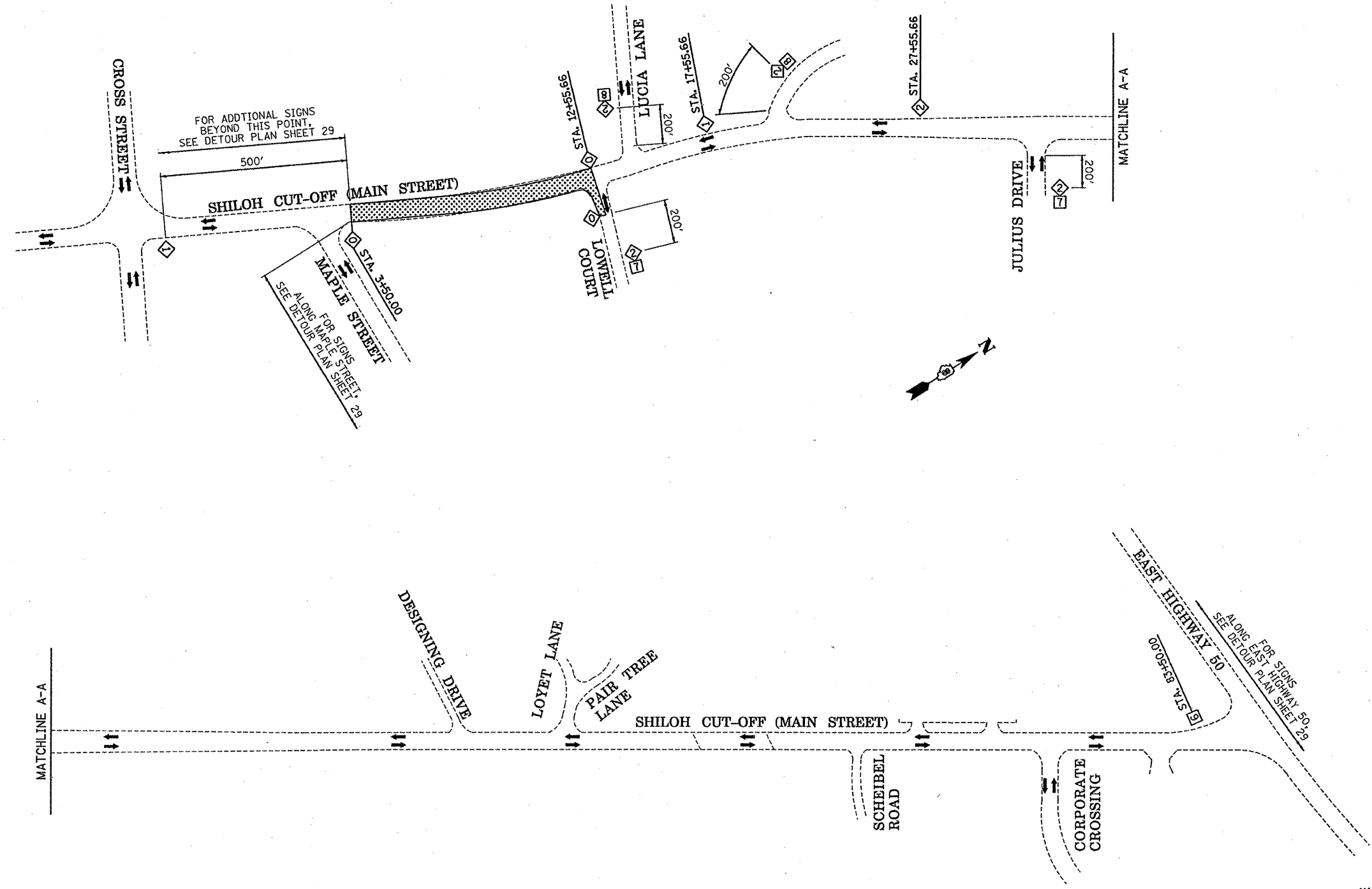
- ① TYPE III BARRICADES STAGGERED WITH R-11-4-6030 (ROAD CLOSED TO THRU TRAFFIC) SIGNS AND TYPE A LOW INTENSITY FLASHING LIGHTS
- ② ROAD CLOSED 500 FT W20-3(O)
- ③ ROAD CLOSED AHEAD W20-1(O)
- ④ ROAD CLOSED 1000 FT W20-1(O)
- ⑤ ROAD CONSTRUCTION AHEAD W20-1A(O)
- ⑥ WORKERS W21-1(O) OR W21-1a(O)
- ⑦ ROAD CLOSED TO THRU TRAFFIC R11-4
- ⑧ 24" x 24" 
- ⑨ 24" x 24" 
- ⑩ 36" x 30" 
- ⑪ 36" x 30" 
- ⑫ 24" x 30" 
- ⑬ DETOUR AHEAD W20-2(O)
- ⑭ END DETOUR M4-8a(O)
- ⑮ RIGHT TURN PROHIBITION R3-1
- ⑯ LEFT TURN PROHIBITION R3-1
- ⑰ TYPE III BARRICADES AND R11-2-4830 SIGNS SHALL BE POSITIONED AS SHOWN IN "ROAD CLOSED TO ALL TRAFFIC" DETAIL ON HIGHWAY STANDARD 701901



1. TYPE III BARRICADES AND ROAD CLOSURE SIGNS SHALL BE POSITIONED AS SHOWN IN ACCORDANCE WITH HIGHWAY STANDARD 701901 AND AS DIRECTED BY THE ENGINEER.
2. TYPE A LOW INTENSITY FLASHING WARNING LIGHTS SHALL BE USED ON EACH SIGN IN ADVANCE OF THE WORK DURING HOURS OF DARKNESS.
3. ALL WARNING SIGNS SHALL BE A MINIMUM OF 48" x 48" AND HAVE A BLACK LEGEND AND BORDER ON A FLUORESCENT ORANGE REFLECTORIZED BACKGROUND.
4. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ENTRANCES AT ALL TIMES.
5. LONGITUDINAL DISTANCES MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
6. ALL TYPE III BARRICADES UTILIZED FOR ROAD CLOSURES SHALL HAVE A LOW INTENSITY FLASHING LIGHT MOUNTED ON TOP OF EACH BARRICADE.
7. ALL RESIDENTS FRONTING THE PROJECT SHALL BE NOTIFIED AT LEAST 48 HOURS PRIOR TO ROAD CLOSURES AFFECTING THEIR ACCESS.
8. SEE HIGHWAY STANDARD B.L.R. 21-8 AND B.L.R. 22-6 FOR LANE CLOSURES ON RURAL HIGHWAYS.
9. EXACT LOCATION OF ALL WARNING SIGNS AND BARRICADES SHALL BE STAKED IN THE FIELD FOR APPROVAL BY THE ENGINEER PRIOR TO INSTALLATION.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9266	06-00062-06-PV	ST. CLAIR	80	30
FHWA REG. NO. 7 ILLINOIS		PROJECT NO. RS-0163(035)		
FEDERAL AID PROJECT		CONTRACT NO. 97457		

TRAFFIC CONTROL



STAGE 1 CONSTRUCTION

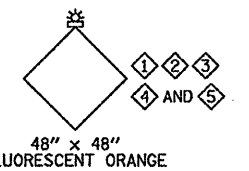
CHAD D. FAIRBANKS
062-063136
4-15-11
2011-11-20-11

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9266	06-00062-06-PV	ST. CLAIR	80	31
FHWA REG. NO. 7 ILLINOIS		PROJECT NO. RS-0163(035)		
FEDERAL AID PROJECT		CONTRACT NO. 97457		

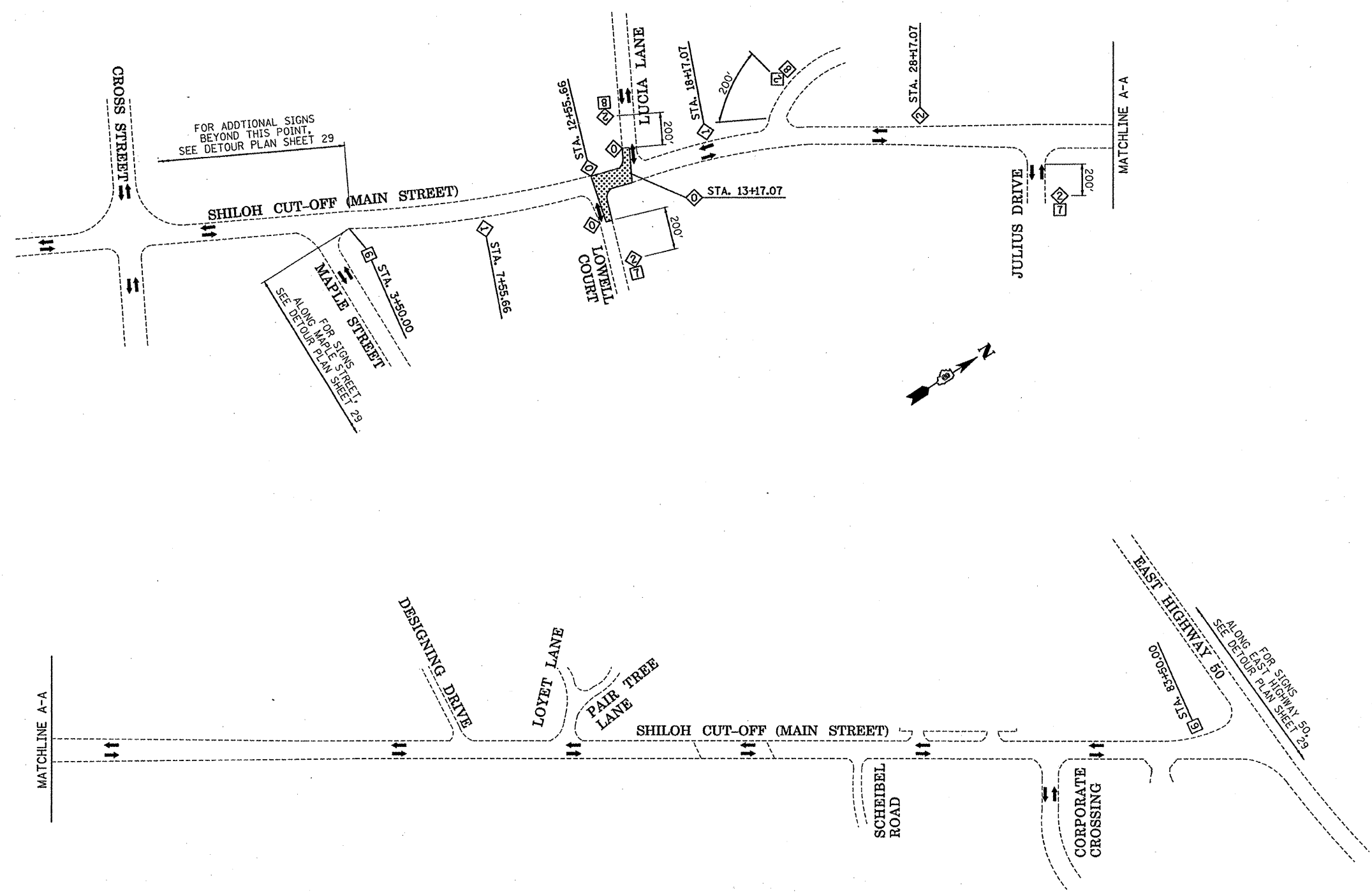
TRAFFIC CONTROL

LEGEND

- ① TYPE III BARRICADES STAGGERED WITH R-11-4-6030 (ROAD CLOSED TO THRU TRAFFIC) SIGNS AND TYPE A LOW INTENSITY FLASHING LIGHTS
- ② ROAD CLOSED 500 FT W20-3(O)
- ③ ROAD CLOSED AHEAD W20-1(O)
- ④ ROAD CLOSED 1000 FT W20-1(O)
- ⑤ ROAD CONSTRUCTION AHEAD W20-1A(O)
- ⑥ WORKERS W21-1(O) OR W21-1a(O)
- ⑦ ROAD CLOSED TO THRU TRAFFIC R11-4
- ⑧ 24" x 24"
- ⑨ 24" x 24"
- ⑩ 36" x 30"
- ⑪ 36" x 30"
- ⑫ 24" x 30"
- ⑬ DETOUR AHEAD W20-2(O)
- ⑭ END DETOUR M4-8a(O)
- ⑮ RIGHT TURN PROHIBITION R3-1
- ⑯ LEFT TURN PROHIBITION R3-1
- ⑰ TYPE III BARRICADES AND R11-2-4830 SIGNS SHALL BE POSITIONED AS SHOWN IN "ROAD CLOSED TO ALL TRAFFIC" DETAIL ON HIGHWAY STANDARD 701901
- ⑱ WORK ZONE



1. TYPE III BARRICADES AND ROAD CLOSURE SIGNS SHALL BE POSITIONED AS SHOWN IN ACCORDANCE WITH HIGHWAY STANDARD 701901 AND AS DIRECTED BY THE ENGINEER.
2. TYPE A LOW INTENSITY FLASHING WARNING LIGHTS SHALL BE USED ON EACH SIGN IN ADVANCE OF THE WORK DURING HOURS OF DARKNESS.
3. ALL WARNING SIGNS SHALL BE A MINIMUM OF 48" x 48" AND HAVE A BLACK LEGEND AND BORDER ON A FLUORESCENT ORANGE REFLECTORIZED BACKGROUND.
4. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ENTRANCES AT ALL TIMES.
5. LONGITUDINAL DISTANCES MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
6. ALL TYPE III BARRICADES UTILIZED FOR ROAD CLOSURES SHALL HAVE A LOW INTENSITY FLASHING LIGHT MOUNTED ON TOP OF EACH BARRICADE.
7. ALL RESIDENTS FRONTING THE PROJECT SHALL BE NOTIFIED AT LEAST 48 HOURS PRIOR TO ROAD CLOSURES AFFECTING THEIR ACCESS.
8. SEE HIGHWAY STANDARD B.L.R. 21-8 AND B.L.R. 22-6 FOR LANE CLOSURES ON RURAL HIGHWAYS.
9. EXACT LOCATION OF ALL WARNING SIGNS AND BARRICADES SHALL BE STAKED IN THE FIELD FOR APPROVAL BY THE ENGINEER PRIOR TO INSTALLATION.



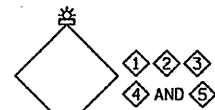
STAGE 2 CONSTRUCTION

CHAD D. FAIRBANKS
062-063136
4-15-14
EAD-11-20-11

LEGEND

- ① TYPE III BARRICADES STAGGERED WITH R-11-4-6030 (ROAD CLOSED TO THRU TRAFFIC) SIGNS AND TYPE A LOW INTENSITY FLASHING LIGHTS
- ② ROAD CLOSED 500 FT W20-3(O)
- ③ ROAD CLOSED AHEAD W20-1(O)
- ④ ROAD CLOSED 1000 FT W20-1(O)
- ⑤ ROAD CONSTRUCTION AHEAD W20-1A(O)
- ⑥ WORKERS W21-1(O) OR W21-1d(O)
- ⑦ ROAD CLOSED TO THRU TRAFFIC R11-4
- ⑧ 24" x 24"
- ⑨ 24" x 24"
- ⑩ 36" x 30"
- ⑪ 36" x 30"
- ⑫ 24" x 30"
- ⑬ 24" x 30"
- ⑭ DETOUR AHEAD W20-2(O)
- ⑮ END DETOUR M4-8a(O)
- ⑯ RIGHT TURN PROHIBITION R3-1
- ⑰ LEFT TURN PROHIBITION R3-1
- ⑱ TYPE III BARRICADES AND R11-2-4830 SIGNS SHALL BE POSITIONED AS SHOWN IN "ROAD CLOSED TO ALL TRAFFIC" DETAIL ON HIGHWAY STANDARD 701901

WORK ZONE

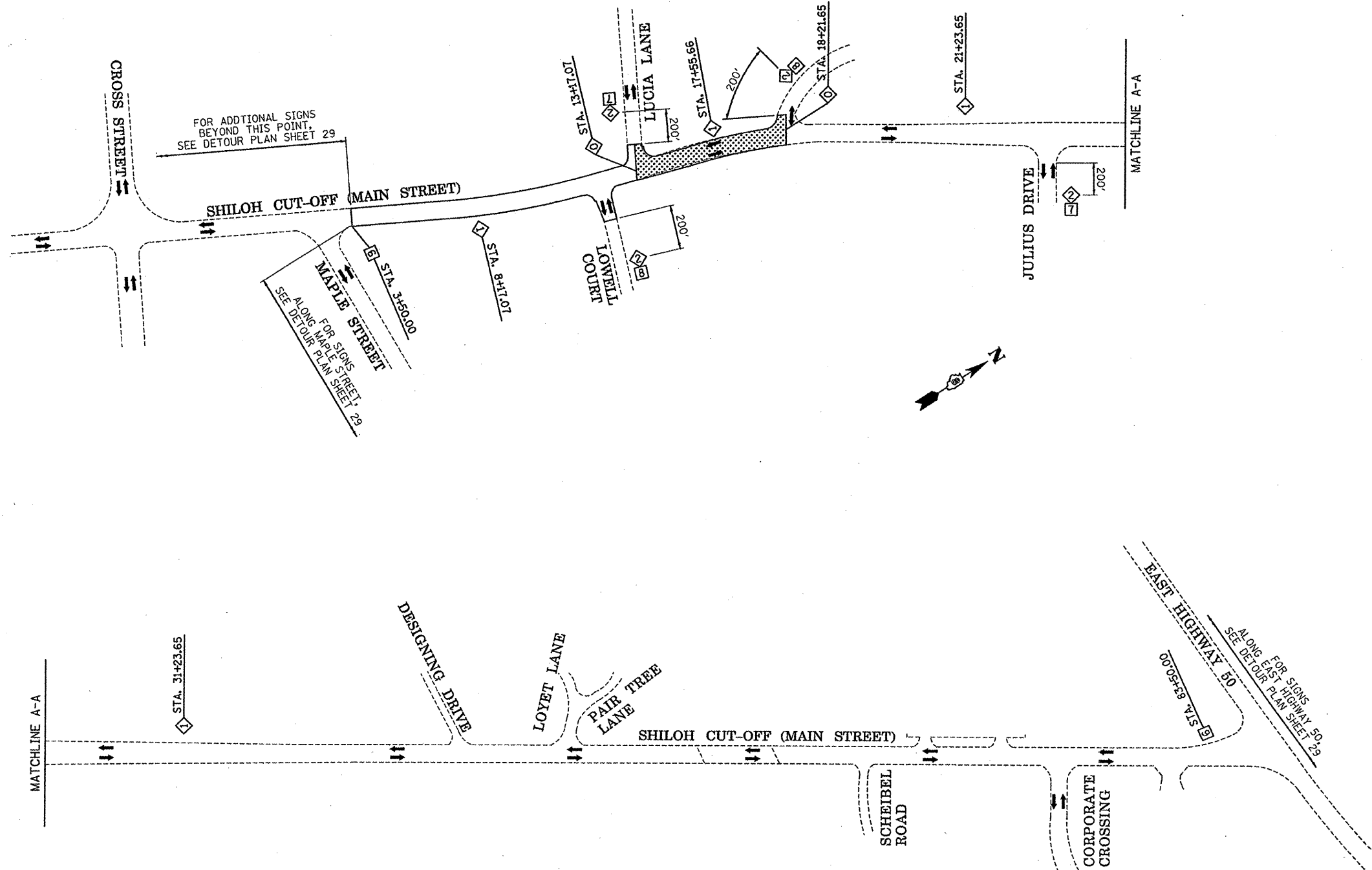


48" x 48"
FLUORESCENT ORANGE

1. TYPE III BARRICADES AND ROAD CLOSURE SIGNS SHALL BE POSITIONED AS SHOWN IN ACCORDANCE WITH HIGHWAY STANDARD 701901 AND AS DIRECTED BY THE ENGINEER.
2. TYPE A LOW INTENSITY FLASHING WARNING LIGHTS SHALL BE USED ON EACH SIGN IN ADVANCE OF THE WORK DURING HOURS OF DARKNESS.
3. ALL WARNING SIGNS SHALL BE A MINIMUM OF 48" x 48" AND HAVE A BLACK LEGEND AND BORDER ON A FLUORESCENT ORANGE REFLECTORIZED BACKGROUND.
4. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ENTRANCES AT ALL TIMES.
5. LONGITUDINAL DISTANCES MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
6. ALL TYPE III BARRICADES UTILIZED FOR ROAD CLOSURES SHALL HAVE A LOW INTENSITY FLASHING LIGHT MOUNTED ON TOP OF EACH BARRICADE.
7. ALL RESIDENTS FRONTING THE PROJECT SHALL BE NOTIFIED AT LEAST 48 HOURS PRIOR TO ROAD CLOSURES AFFECTING THEIR ACCESS.
8. SEE HIGHWAY STANDARD B.L.R. 21-8 AND B.L.R. 22-6 FOR LANE CLOSURES ON RURAL HIGHWAYS.
9. EXACT LOCATION OF ALL WARNING SIGNS AND BARRICADES SHALL BE STAKED IN THE FIELD FOR APPROVAL BY THE ENGINEER PRIOR TO INSTALLATION.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9266	06-00062-06-PV	ST. CLAIR	80	32
FHWA REG. NO. 7	ILLINOIS	PROJECT NO.	RS-0163(035)	
FEDERAL AID PROJECT	CONTRACT NO.		97457	






TRAFFIC CONTROL

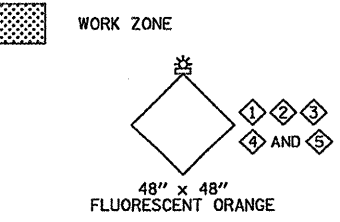


STAGE 3 CONSTRUCTION

PROFESSIONAL ENGINEER
CHAD D. FAIRBANKS
062-063136
4-13-1
exp 11-30-1

LEGEND

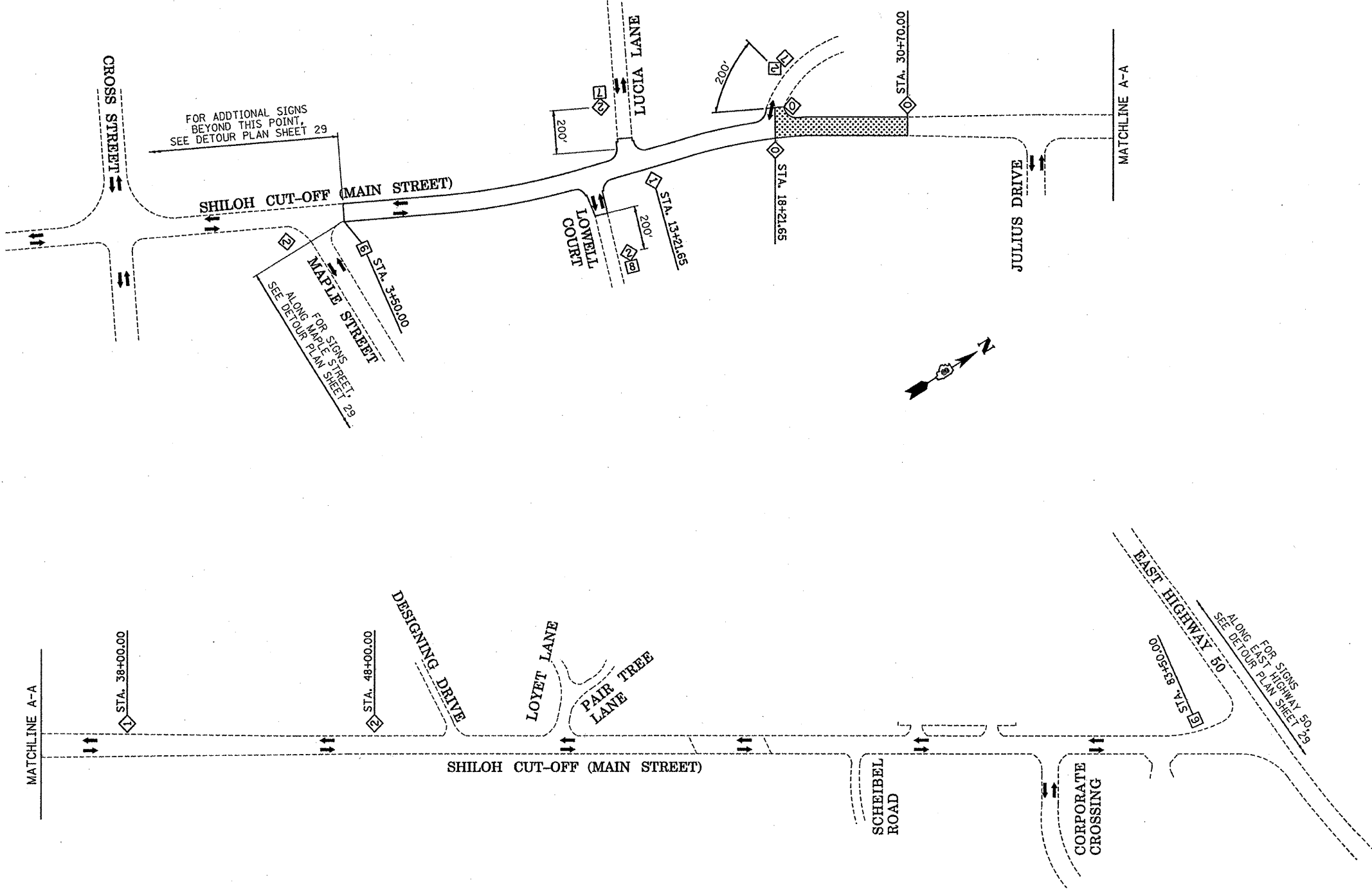
- ① TYPE III BARRICADES STAGGERED WITH R-11-4-6030 (ROAD CLOSED TO THRU TRAFFIC) SIGNS AND TYPE A LOW INTENSITY FLASHING LIGHTS
- ② ROAD CLOSED 500 FT W20-3(O)
- ③ ROAD CLOSED AHEAD W20-1(O)
- ④ ROAD CLOSED 1000 FT W20-1(O)
- ⑤ ROAD CONSTRUCTION AHEAD W20-1A(O)
- ⑥ WORKERS W21-1(O) OR W21-1a(O)
- ⑦ ROAD CLOSED TO THRU TRAFFIC R11-4
- ⑧ 24" x 24" 
- ⑨ 24" x 24" 
- ⑩ 36" x 30" 
- ⑪ 36" x 30" 
- ⑫ 24" x 30" 
- ⑬ DETOUR AHEAD W20-2(O)
- ⑭ END DETOUR M4-8a(O)
- ⑮ RIGHT TURN PROHIBITION R3-1
- ⑯ LEFT TURN PROHIBITION R3-1
- ⑰ TYPE III BARRICADES AND R11-2-4830 SIGNS SHALL BE POSITIONED AS SHOWN IN "ROAD CLOSED TO ALL TRAFFIC" DETAIL ON HIGHWAY STANDARD 701901



1. TYPE III BARRICADES AND ROAD CLOSURE SIGNS SHALL BE POSITIONED AS SHOWN IN ACCORDANCE WITH HIGHWAY STANDARD 701901 AND AS DIRECTED BY THE ENGINEER.
2. TYPE A LOW INTENSITY FLASHING WARNING LIGHTS SHALL BE USED ON EACH SIGN IN ADVANCE OF THE WORK DURING HOURS OF DARKNESS.
3. ALL WARNING SIGNS SHALL BE A MINIMUM OF 48" x 48" AND HAVE A BLACK LEGEND AND BORDER ON A FLUORESCENT ORANGE REFLECTORIZED BACKGROUND.
4. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ENTRANCES AT ALL TIMES.
5. LONGITUDINAL DISTANCES MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
6. ALL TYPE III BARRICADES UTILIZED FOR ROAD CLOSURES SHALL HAVE A LOW INTENSITY FLASHING LIGHT MOUNTED ON TOP OF EACH BARRICADE.
7. ALL RESIDENTS FRONTING THE PROJECT SHALL BE NOTIFIED AT LEAST 48 HOURS PRIOR TO ROAD CLOSURES AFFECTING THEIR ACCESS.
8. SEE HIGHWAY STANDARD B.L.R. 21-8 AND B.L.R. 22-6 FOR LANE CLOSURES ON RURAL HIGHWAYS.
9. EXACT LOCATION OF ALL WARNING SIGNS AND BARRICADES SHALL BE STAKED IN THE FIELD FOR APPROVAL BY THE ENGINEER PRIOR TO INSTALLATION.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9266	06-00062-06-PV	ST. CLAIR	80	33
FHWA REG. NO. 7	ILLINOIS	PROJECT NO.	RS-0163(035)	
FEDERAL AID PROJECT	CONTRACT NO.		97457	






TRAFFIC CONTROL

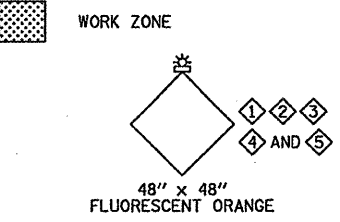


STAGE 4 CONSTRUCTION

CHAD D. FAIRBANKS
 062-063136
 4-13-11
 exp 11-30-11

LEGEND

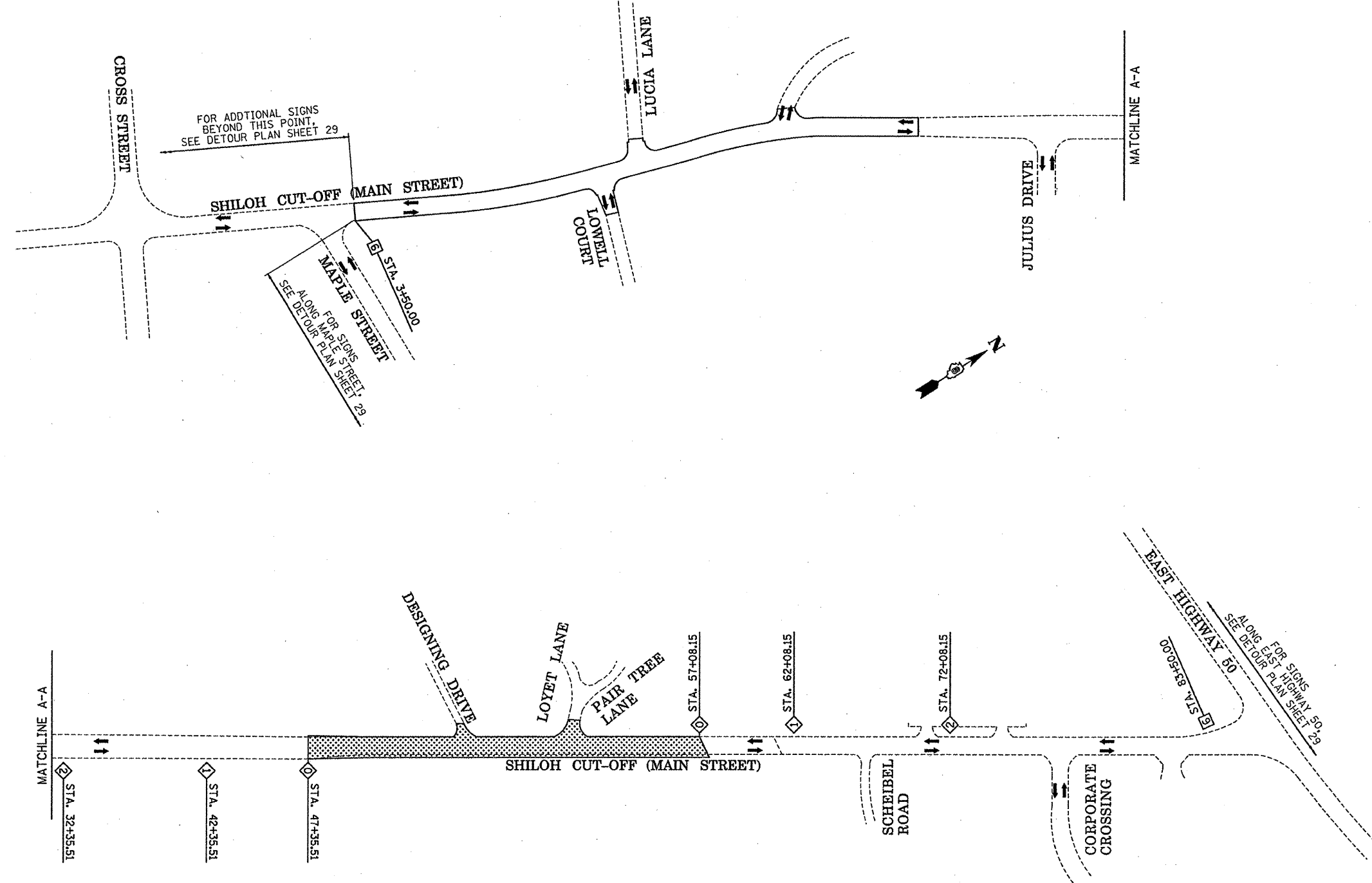
- ◇ TYPE III BARRICADES STAGGERED WITH R-11-4-6030 (ROAD CLOSED TO THRU TRAFFIC) SIGNS AND TYPE A LOW INTENSITY FLASHING LIGHTS
- ◇ ROAD CLOSED 500 FT W20-3(O)
- ◇ ROAD CLOSED AHEAD W20-1(O)
- ◇ ROAD CLOSED 1000 FT W20-1(O)
- ◇ ROAD CONSTRUCTION AHEAD W20-1A(O)
- ◇ WORKERS W21-1(O) OR W21-1a(O)
- ◇ ROAD CLOSED TO THRU TRAFFIC R11-4
- 7 24" x 24" 
- 8 24" x 24" 
- 9 36" x 30" 
- 10 36" x 30" 
- 11 24" x 30" 
- ◇ DETOUR AHEAD W20-2(O)
- 13 END DETOUR M4-8a(O)
- 14 RIGHT TURN PROHIBITION R3-1
- 15 LEFT TURN PROHIBITION R3-1
- ◇ TYPE III BARRICADES AND R11-2-4830 SIGNS SHALL BE POSITIONED AS SHOWN IN "ROAD CLOSED TO ALL TRAFFIC" DETAIL ON HIGHWAY STANDARD 701901



1. TYPE III BARRICADES AND ROAD CLOSURE SIGNS SHALL BE POSITIONED AS SHOWN IN ACCORDANCE WITH HIGHWAY STANDARD 701901 AND AS DIRECTED BY THE ENGINEER.
2. TYPE A LOW INTENSITY FLASHING WARNING LIGHTS SHALL BE USED ON EACH SIGN IN ADVANCE OF THE WORK DURING HOURS OF DARKNESS.
3. ALL WARNING SIGNS SHALL BE A MINIMUM OF 48" x 48" AND HAVE A BLACK LEGEND AND BORDER ON A FLUORESCENT ORANGE REFLECTORIZED BACKGROUND.
4. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ENTRANCES AT ALL TIMES.
5. LONGITUDINAL DISTANCES MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
6. ALL TYPE III BARRICADES UTILIZED FOR ROAD CLOSURES SHALL HAVE A LOW INTENSITY FLASHING LIGHT MOUNTED ON TOP OF EACH BARRICADE.
7. ALL RESIDENTS FRONTING THE PROJECT SHALL BE NOTIFIED AT LEAST 48 HOURS PRIOR TO ROAD CLOSURES AFFECTING THEIR ACCESS.
8. SEE HIGHWAY STANDARD B.L.R. 21-8 AND B.L.R. 22-6 FOR LANE CLOSURES ON RURAL HIGHWAYS.
9. EXACT LOCATION OF ALL WARNING SIGNS AND BARRICADES SHALL BE STAKED IN THE FIELD FOR APPROVAL BY THE ENGINEER PRIOR TO INSTALLATION.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9266	06-00062-06-PV	ST. CLAIR	80	34
FHWA REG. NO. 7	ILLINOIS	PROJECT NO.	RS-0163(035)	
FEDERAL AID PROJECT	CONTRACT NO.	97457		

TRAFFIC CONTROL



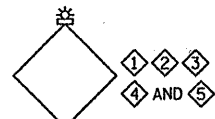
STAGE 5 CONSTRUCTION

CHAD D. FAIRBANKS
062-063136
4-13-11
exp 2 11-30-11

LEGEND

- ① TYPE III BARRICADES STAGGERED WITH R-11-4-6030 (ROAD CLOSED TO THRU TRAFFIC) SIGNS AND TYPE A LOW INTENSITY FLASHING LIGHTS
- ② ROAD CLOSED 500 FT W20-3(O)
- ③ ROAD CLOSED AHEAD W20-1(O)
- ④ ROAD CLOSED 1000 FT W20-1(O)
- ⑤ ROAD CONSTRUCTION AHEAD W20-1A(O)
- ⑥ WORKERS W21-1(O) OR W21-1a(O)
- ⑦ ROAD CLOSED TO THRU TRAFFIC R11-4
- ⑧ 24" x 24"
- ⑨ 24" x 24"
- ⑩ 36" x 30"
- ⑪ 36" x 30"
- ⑫ 24" x 30"
- ⑬ DETOUR AHEAD W20-2(O)
- ⑭ END DETOUR M4-8a(O)
- ⑮ RIGHT TURN PROHIBITION R3-1
- ⑯ LEFT TURN PROHIBITION R3-1
- ⑰ TYPE III BARRICADES AND R11-2-4830 SIGNS SHALL BE POSITIONED AS SHOWN IN "ROAD CLOSED TO ALL TRAFFIC" DETAIL ON HIGHWAY STANDARD 701901

WORK ZONE

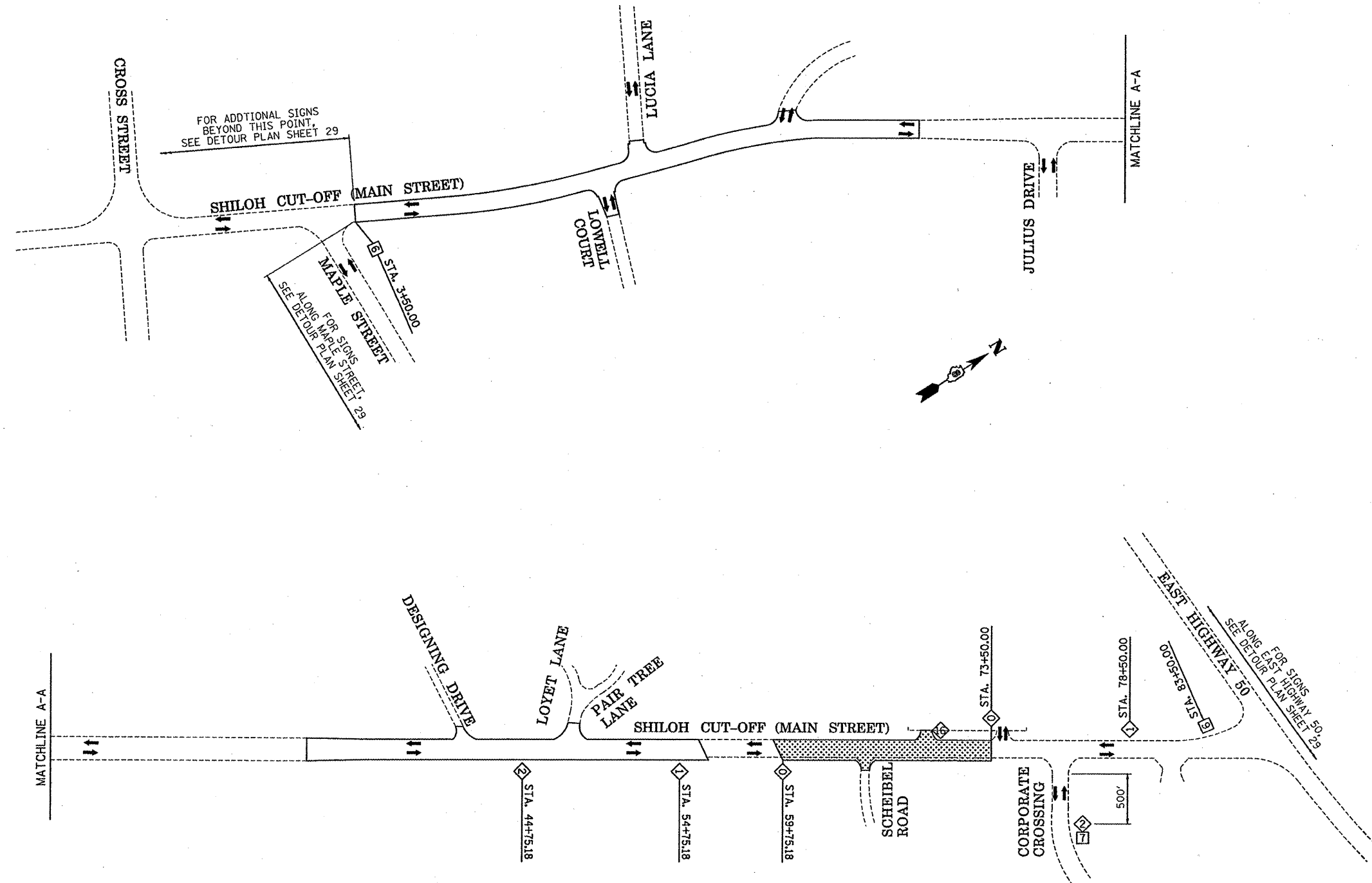


48" x 48"
FLUORESCENT ORANGE

1. TYPE III BARRICADES AND ROAD CLOSURE SIGNS SHALL BE POSITIONED AS SHOWN IN ACCORDANCE WITH HIGHWAY STANDARD 701901 AND AS DIRECTED BY THE ENGINEER.
2. TYPE A LOW INTENSITY FLASHING WARNING LIGHTS SHALL BE USED ON EACH SIGN IN ADVANCE OF THE WORK DURING HOURS OF DARKNESS.
3. ALL WARNING SIGNS SHALL BE A MINIMUM OF 48" x 48" AND HAVE A BLACK LEGEND AND BORDER ON A FLUORESCENT ORANGE REFLECTORIZED BACKGROUND.
4. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ENTRANCES AT ALL TIMES.
5. LONGITUDINAL DISTANCES MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
6. ALL TYPE III BARRICADES UTILIZED FOR ROAD CLOSURES SHALL HAVE A LOW INTENSITY FLASHING LIGHT MOUNTED ON TOP OF EACH BARRICADE.
7. ALL RESIDENTS FRONTING THE PROJECT SHALL BE NOTIFIED AT LEAST 48 HOURS PRIOR TO ROAD CLOSURES AFFECTING THEIR ACCESS.
8. SEE HIGHWAY STANDARD B.L.R. 21-8 AND B.L.R. 22-6 FOR LANE CLOSURES ON RURAL HIGHWAYS.
9. EXACT LOCATION OF ALL WARNING SIGNS AND BARRICADES SHALL BE STAKED IN THE FIELD FOR APPROVAL BY THE ENGINEER PRIOR TO INSTALLATION.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9266	06-00062-06-PV	ST. CLAIR	80	35
FHWA REG. NO. 7	ILLINOIS	PROJECT NO.	RS-0163(035)	
FEDERAL AID PROJECT	CONTRACT NO.		97457	

TRAFFIC CONTROL



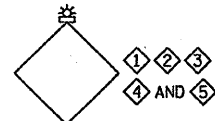
STAGE 6 CONSTRUCTION

CHAD D. FAIRBANKS
062-063136
4-13-11
eapen 11-30-11

LEGEND

- ◇ TYPE III BARRICADES STAGGERED WITH R-11-4-6030 (ROAD CLOSED TO THRU TRAFFIC) SIGNS AND TYPE A LOW INTENSITY FLASHING LIGHTS
- ① ROAD CLOSED 500 FT W20-3(O)
- ② ROAD CLOSED AHEAD W20-1(O)
- ③ ROAD CLOSED 1000 FT W20-1(O)
- ④ ROAD CONSTRUCTION AHEAD W20-1A(O)
- ⑤ WORKERS W21-1(O) OR W21-1d(O)
- ⑥ ROAD CLOSED TO THRU TRAFFIC R11-4
- ⑦ 24" x 24"
- ⑧ 24" x 24"
- ⑨ 36" x 30"
- ⑩ 36" x 30"
- ⑪ 24" x 30"
- ⑫ DETOUR AHEAD W20-2(O)
- ⑬ END DETOUR M4-8d(O)
- ⑭ RIGHT TURN PROHIBITION R3-1
- ⑮ LEFT TURN PROHIBITION R3-1
- ◇ TYPE III BARRICADES AND R11-2-4830 SIGNS SHALL BE POSITIONED AS SHOWN IN "ROAD CLOSED TO ALL TRAFFIC" DETAIL ON HIGHWAY STANDARD 701901

WORK ZONE

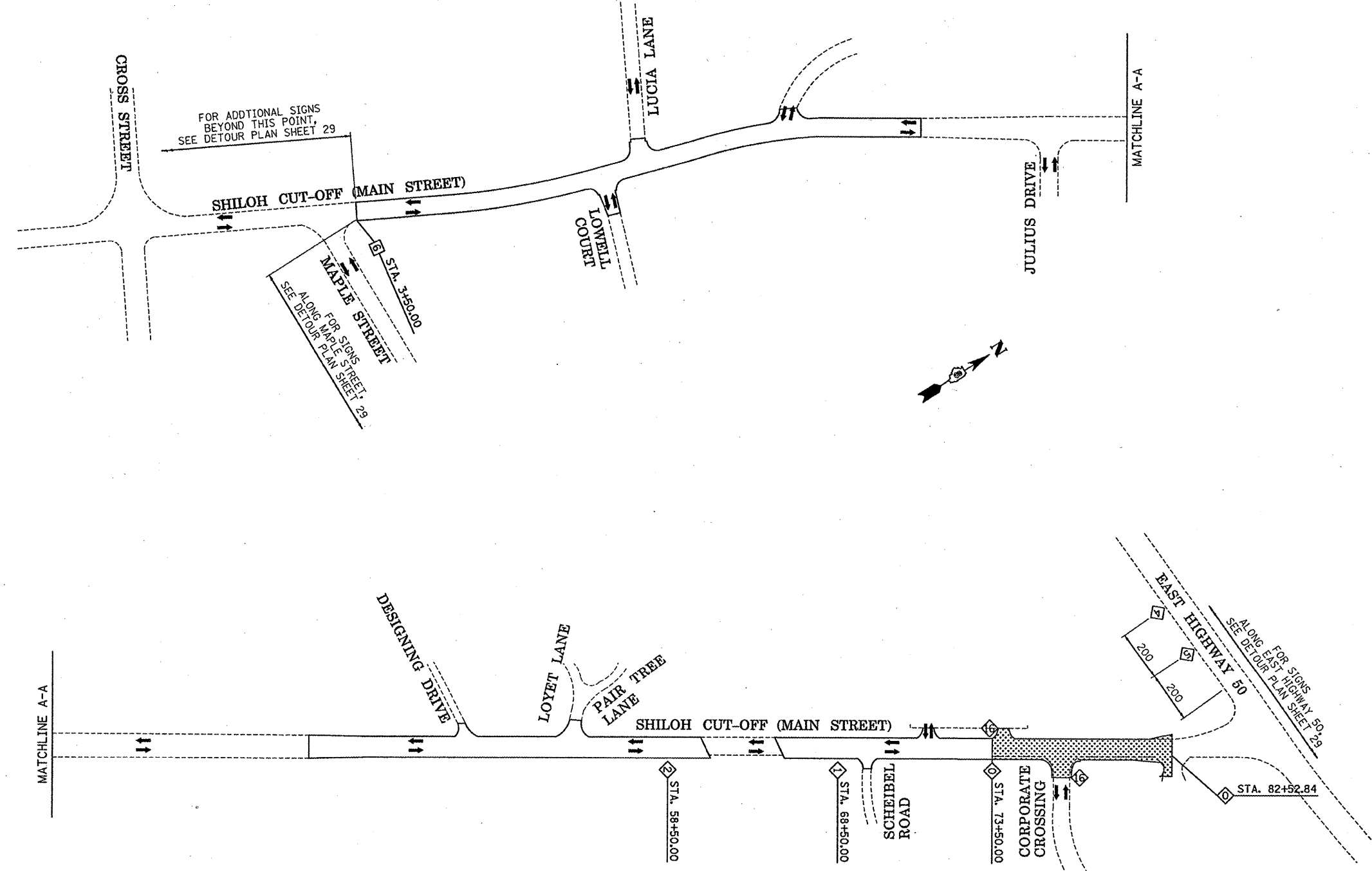


48" x 48" FLUORESCENT ORANGE

1. TYPE III BARRICADES AND ROAD CLOSURE SIGNS SHALL BE POSITIONED AS SHOWN IN ACCORDANCE WITH HIGHWAY STANDARD 701901 AND AS DIRECTED BY THE ENGINEER.
2. TYPE A LOW INTENSITY FLASHING WARNING LIGHTS SHALL BE USED ON EACH SIGN IN ADVANCE OF THE WORK DURING HOURS OF DARKNESS.
3. ALL WARNING SIGNS SHALL BE A MINIMUM OF 48" x 48" AND HAVE A BLACK LEGEND AND BORDER ON A FLUORESCENT ORANGE REFLECTORIZED BACKGROUND.
4. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ENTRANCES AT ALL TIMES.
5. LONGITUDINAL DISTANCES MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
6. ALL TYPE III BARRICADES UTILIZED FOR ROAD CLOSURES SHALL HAVE A LOW INTENSITY FLASHING LIGHT MOUNTED ON TOP OF EACH BARRICADE.
7. ALL RESIDENTS FRONTING THE PROJECT SHALL BE NOTIFIED AT LEAST 48 HOURS PRIOR TO ROAD CLOSURES AFFECTING THEIR ACCESS.
8. SEE HIGHWAY STANDARD B.L.R. 21-8 AND B.L.R. 22-6 FOR LANE CLOSURES ON RURAL HIGHWAYS.
9. EXACT LOCATION OF ALL WARNING SIGNS AND BARRICADES SHALL BE STAKED IN THE FIELD FOR APPROVAL BY THE ENGINEER PRIOR TO INSTALLATION.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9266	06-00062-06-PV	ST. CLAIR	80	36
FHWA REG. NO. 7	ILLINOIS	PROJECT NO.	RS-0163(035)	
FEDERAL AID PROJECT		CONTRACT NO.	97457	






TRAFFIC CONTROL

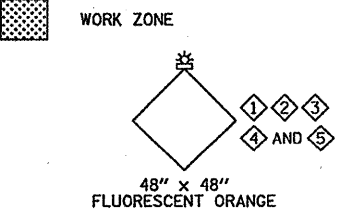


STAGE 7 CONSTRUCTION

CHAD D. FAIRBANKS
062-063136
4-13-11
exp 11-30-11

LEGEND

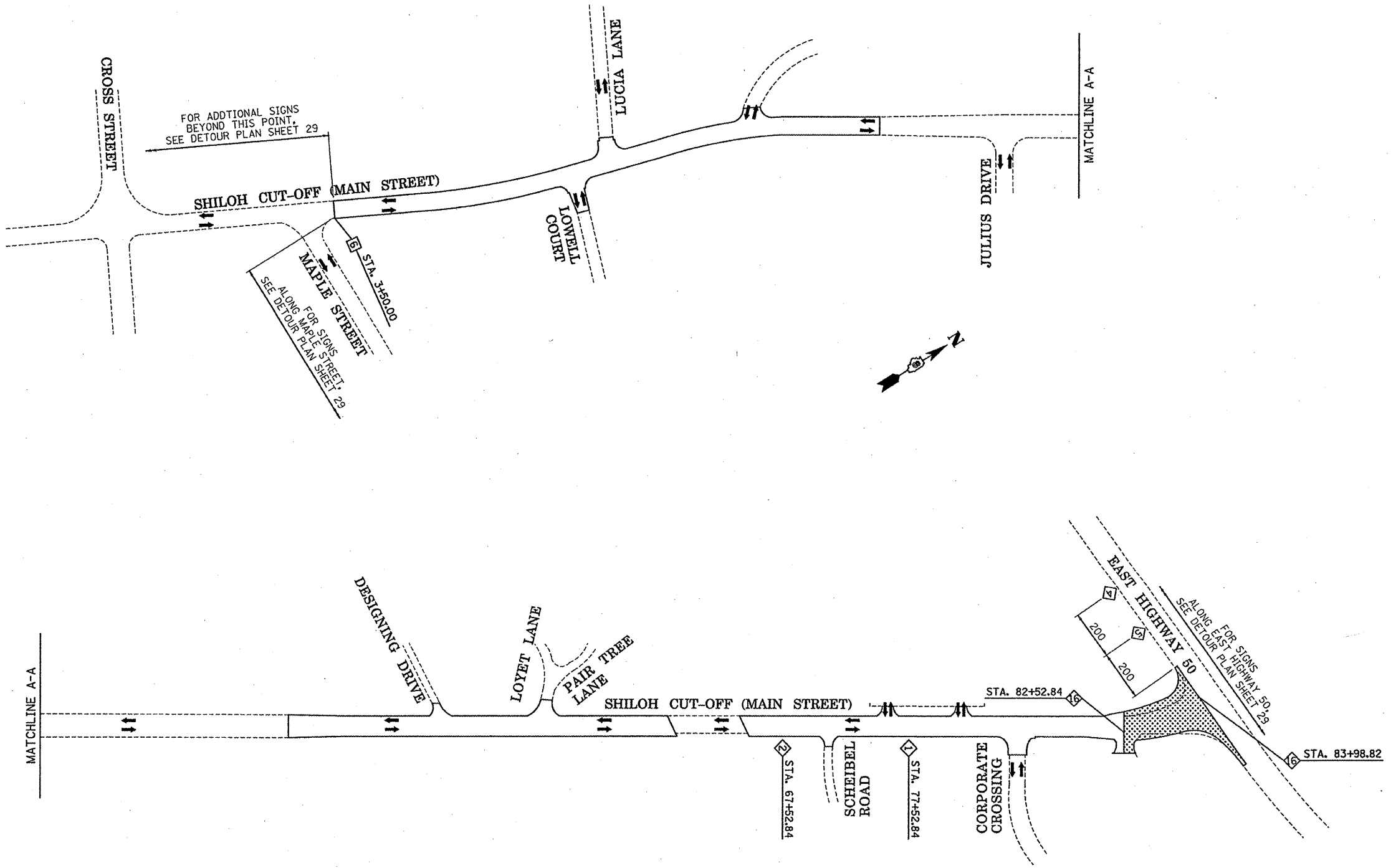
- ① TYPE III BARRICADES STAGGERED WITH R-11-4-6030 (ROAD CLOSED TO THRU TRAFFIC) SIGNS AND TYPE A LOW INTENSITY FLASHING LIGHTS
- ② ROAD CLOSED 500 FT W20-3(O)
- ③ ROAD CLOSED AHEAD W20-1(O)
- ④ ROAD CLOSED 1000 FT W20-1(O)
- ⑤ ROAD CONSTRUCTION AHEAD W20-1A(O)
- ⑥ WORKERS W21-1(O) OR W21-1a(O)
- ⑦ ROAD CLOSED TO THRU TRAFFIC R11-4
- ⑧ 24" x 24" 
- ⑨ 24" x 24" 
- ⑩ 36" x 30" 
- ⑪ 36" x 30" 
- ⑫ 24" x 30" 
- ⑬ DETOUR AHEAD W20-2(O)
- ⑭ END DETOUR M4-8a(O)
- ⑮ RIGHT TURN PROHIBITION R3-1
- ⑯ LEFT TURN PROHIBITION R3-1
- ⑰ TYPE III BARRICADES AND R11-2-4830 SIGNS SHALL BE POSITIONED AS SHOWN IN "ROAD CLOSED TO ALL TRAFFIC" DETAIL ON HIGHWAY STANDARD 701901



1. TYPE III BARRICADES AND ROAD CLOSURE SIGNS SHALL BE POSITIONED AS SHOWN IN ACCORDANCE WITH HIGHWAY STANDARD 701901 AND AS DIRECTED BY THE ENGINEER.
2. TYPE A LOW INTENSITY FLASHING WARNING LIGHTS SHALL BE USED ON EACH SIGN IN ADVANCE OF THE WORK DURING HOURS OF DARKNESS.
3. ALL WARNING SIGNS SHALL BE A MINIMUM OF 48" x 48" AND HAVE A BLACK LEGEND AND BORDER ON A FLUORESCENT ORANGE REFLECTORIZED BACKGROUND.
4. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ENTRANCES AT ALL TIMES.
5. LONGITUDINAL DISTANCES MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
6. ALL TYPE III BARRICADES UTILIZED FOR ROAD CLOSURES SHALL HAVE A LOW INTENSITY FLASHING LIGHT MOUNTED ON TOP OF EACH BARRICADE.
7. ALL RESIDENTS FRONTING THE PROJECT SHALL BE NOTIFIED AT LEAST 48 HOURS PRIOR TO ROAD CLOSURES AFFECTING THEIR ACCESS.
8. SEE HIGHWAY STANDARD B.L.R. 21-8 AND B.L.R. 22-6 FOR LANE CLOSURES ON RURAL HIGHWAYS.
9. EXACT LOCATION OF ALL WARNING SIGNS AND BARRICADES SHALL BE STAKED IN THE FIELD FOR APPROVAL BY THE ENGINEER PRIOR TO INSTALLATION.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9266	06-00062-06-PV	ST. CLAIR	80	37
FHWA REG. NO. 7 ILLINOIS		PROJECT NO. RS-0163(035)		
FEDERAL AID PROJECT		CONTRACT NO. 97457		

TRAFFIC CONTROL

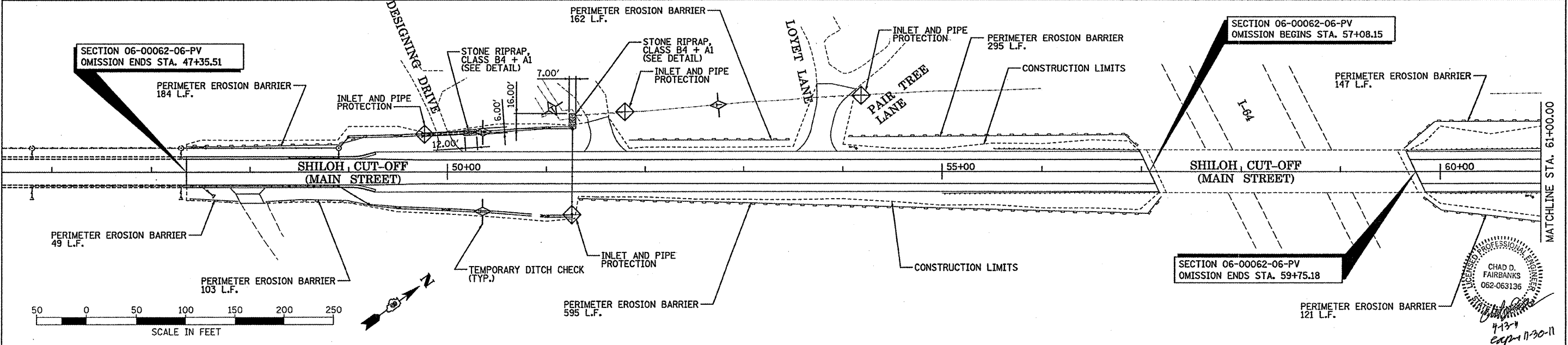
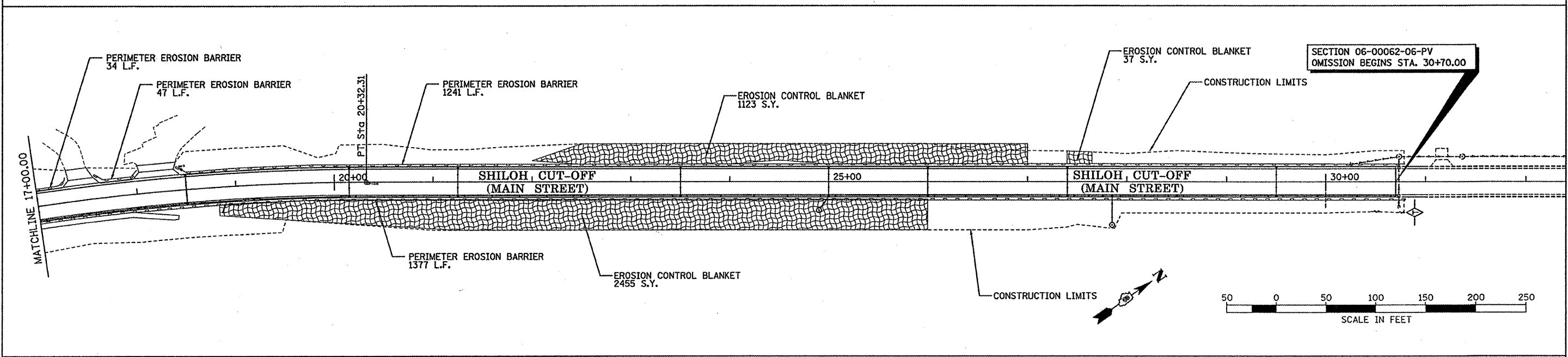
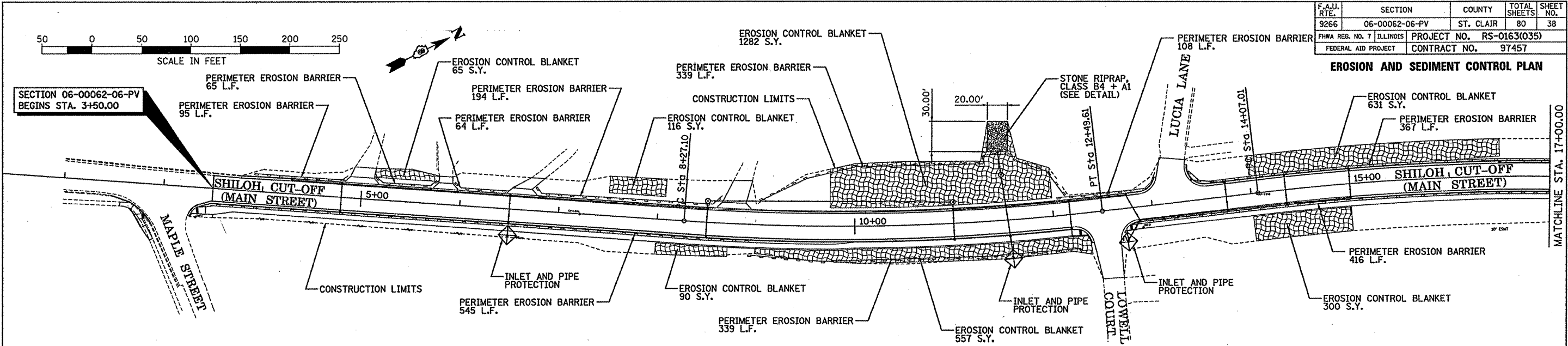


STAGE 8 CONSTRUCTION

PROFESSIONAL ENGINEER
 CHAD D. FAIRBANKS
 062-063136
 4-37
 EXP. 11-30-11

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9266	06-00062-06-PV	ST. CLAIR	80	38
FHWA REG. NO. 7	ILLINOIS	PROJECT NO.	RS-0163(035)	
FEDERAL AID PROJECT		CONTRACT NO.	97457	

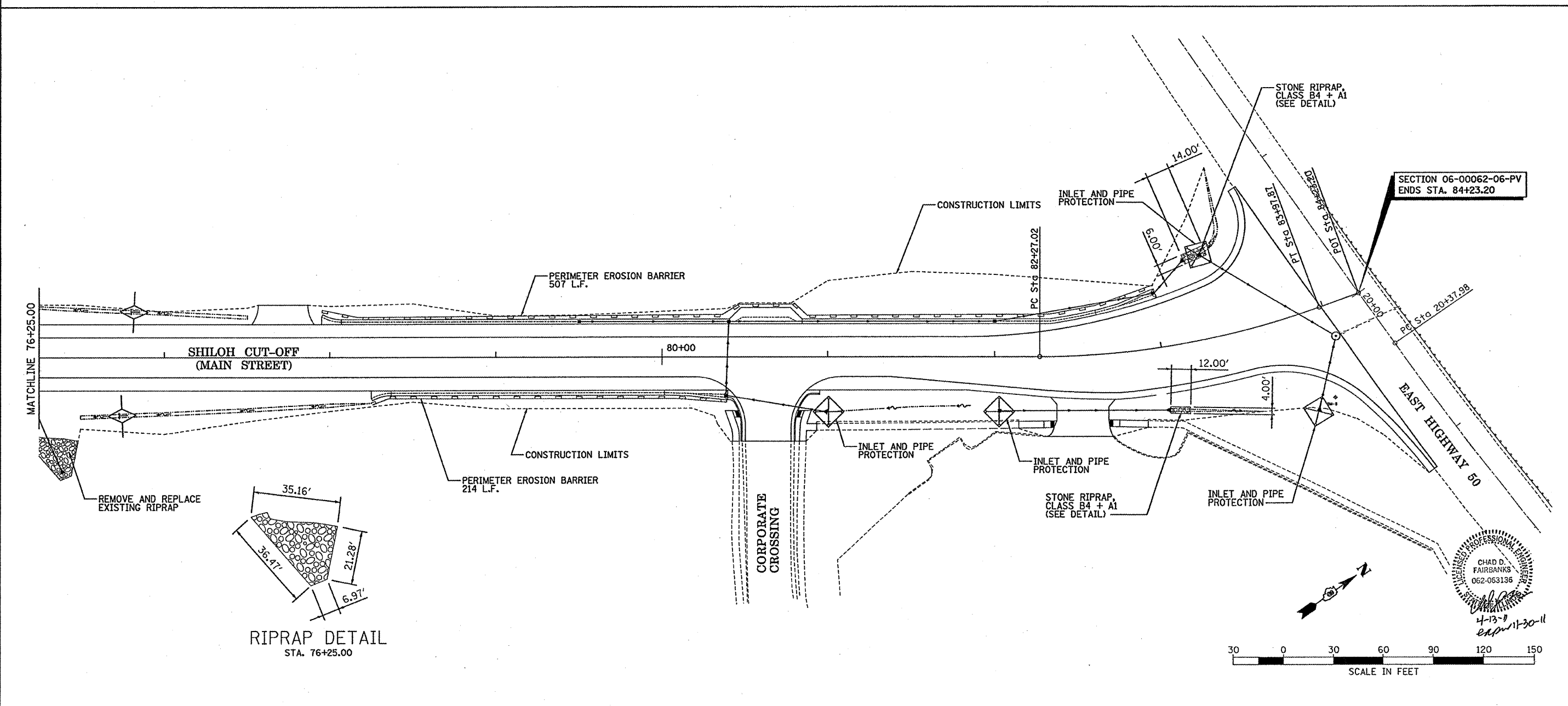
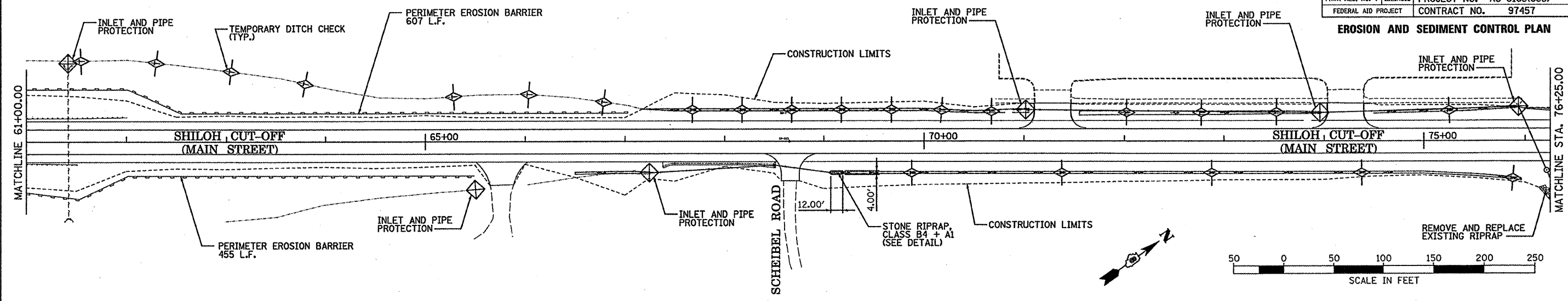
EROSION AND SEDIMENT CONTROL PLAN



CHAD D. FAIRBANKS
062-063136
4-27-11
CAP-11-20-11

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9266	06-00062-06-PV	ST. CLAIR	80	39
FHWA REG. NO. 7	ILLINOIS	PROJECT NO.	RS-0163(035)	
FEDERAL AID PROJECT	CONTRACT NO.		97457	

EROSION AND SEDIMENT CONTROL PLAN

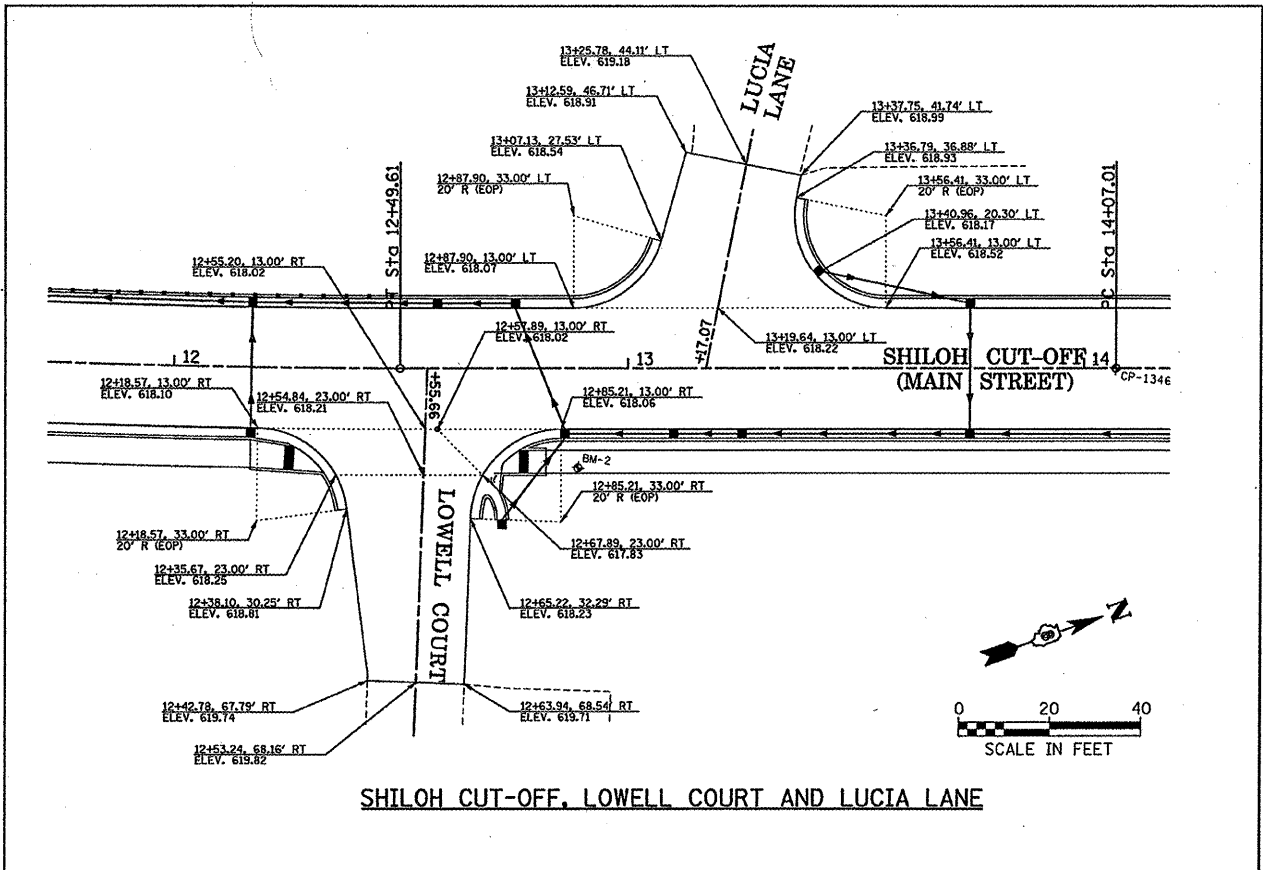
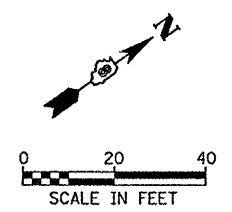


SECTION 06-00062-06-PV
ENDS STA. 84+23.20

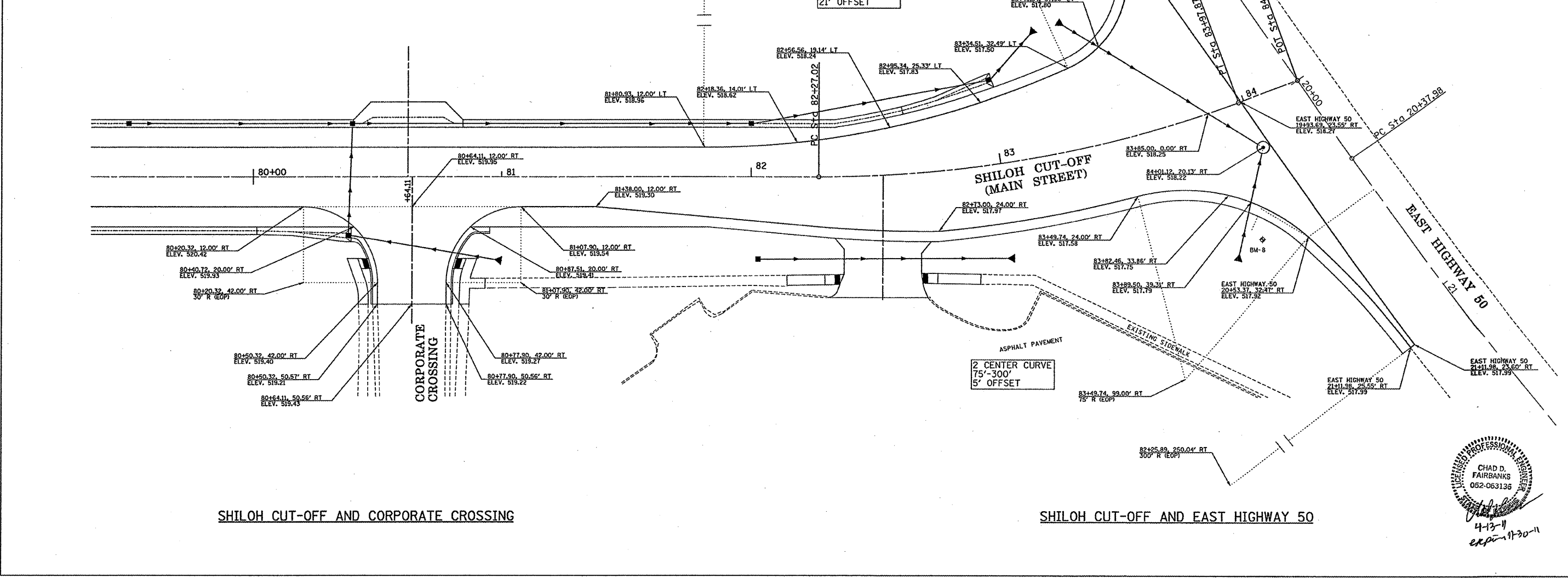
CHAD D. FAIRDANKS
062-063136
4-13-11
edp 11-30-11

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9266	06-00062-06-PV	ST. CLAIR	80	40
FHWA REG. NO. 7 ILLINOIS		PROJECT NO. RS-0163(035)		
FEDERAL AID PROJECT		CONTRACT NO. 97457		

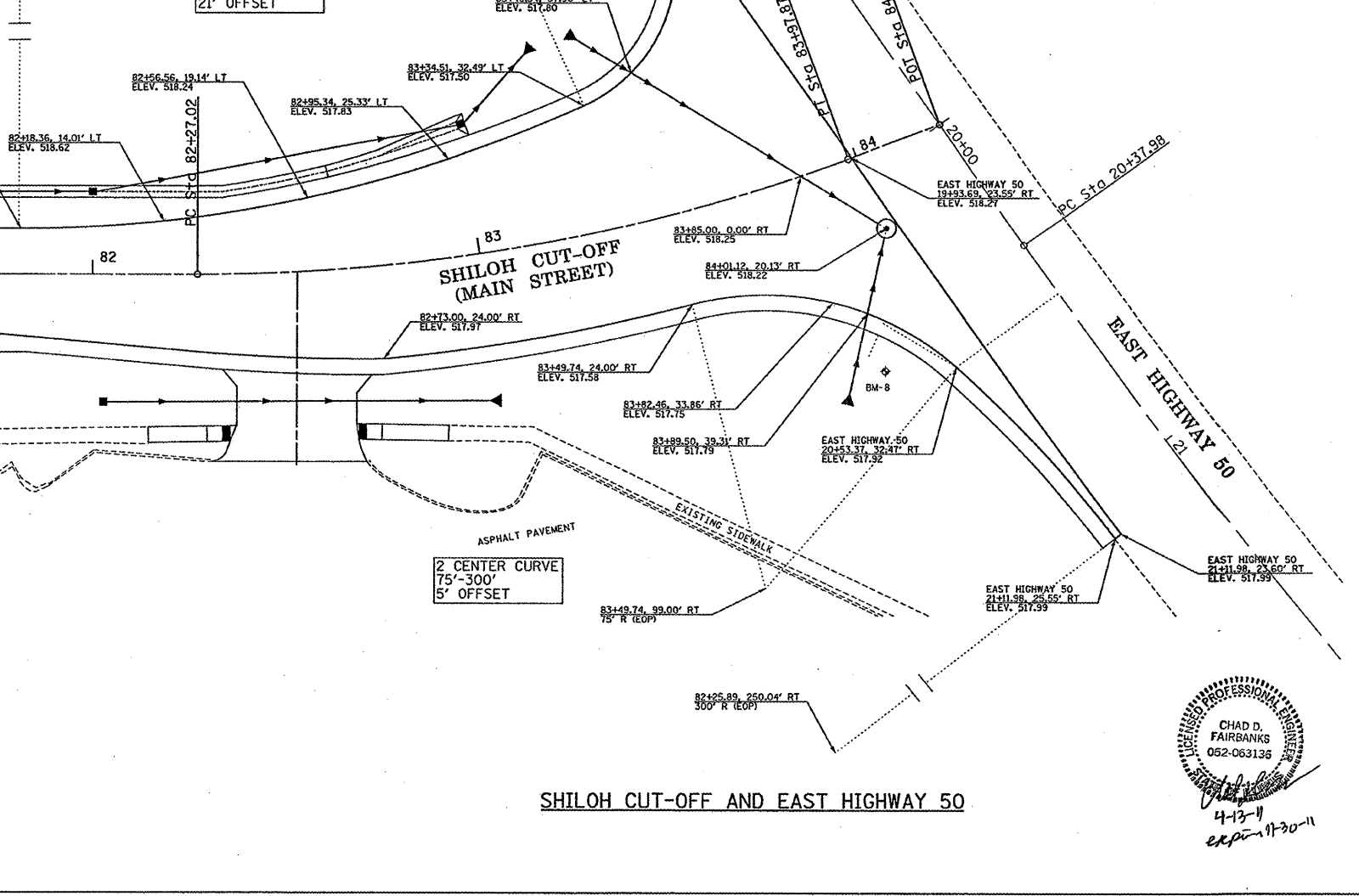
WARPING DETAILS



SHILOH CUT-OFF, LOWELL COURT AND LUCIA LANE



SHILOH CUT-OFF AND CORPORATE CROSSING

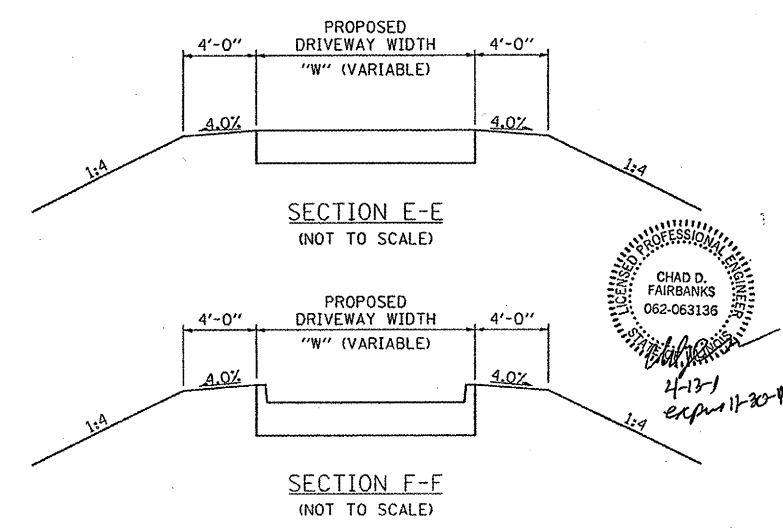
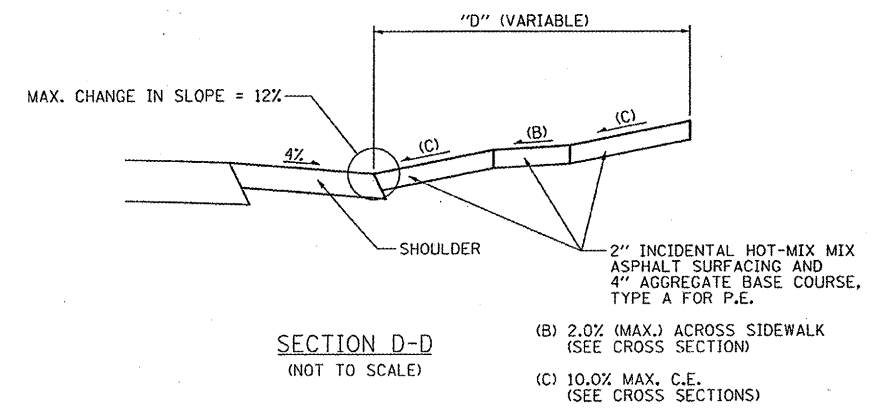
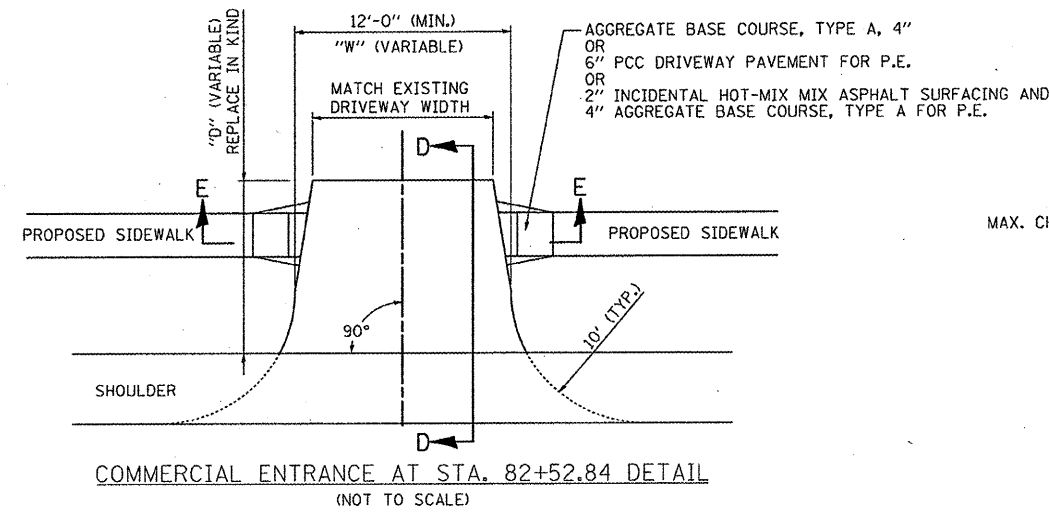
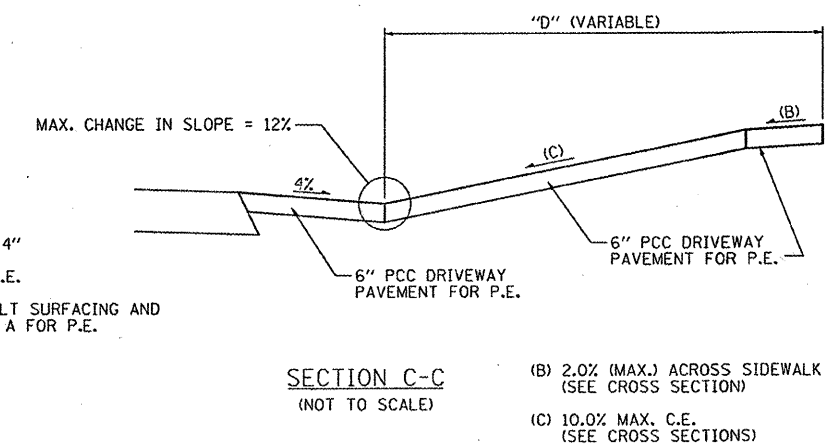
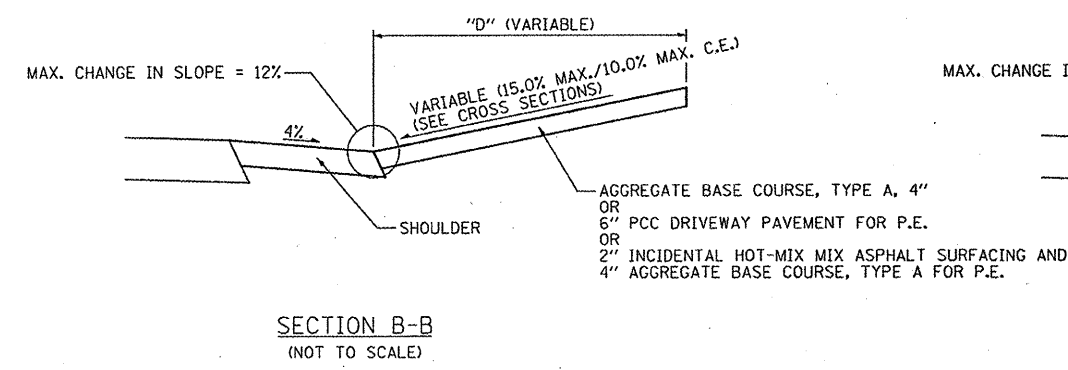
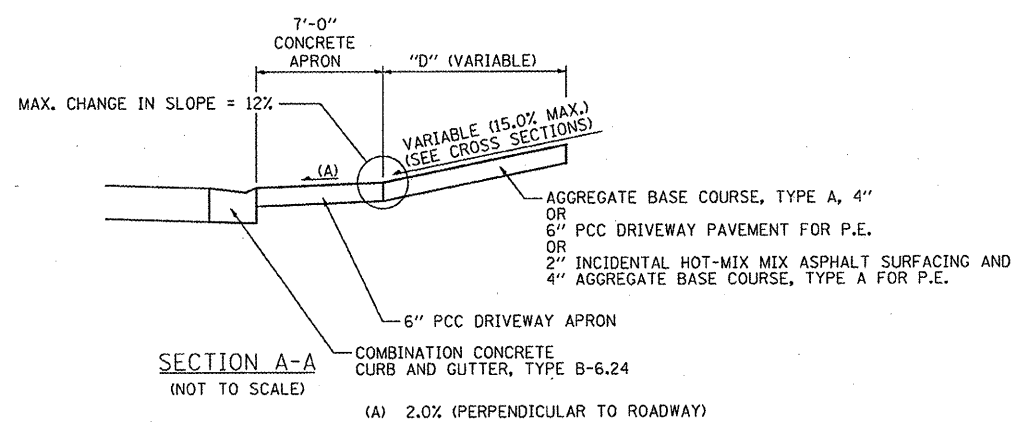
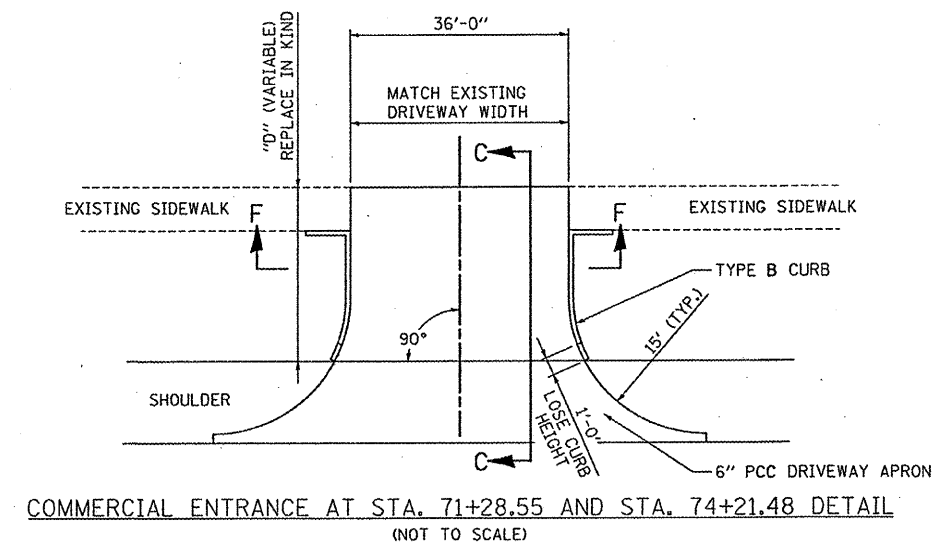
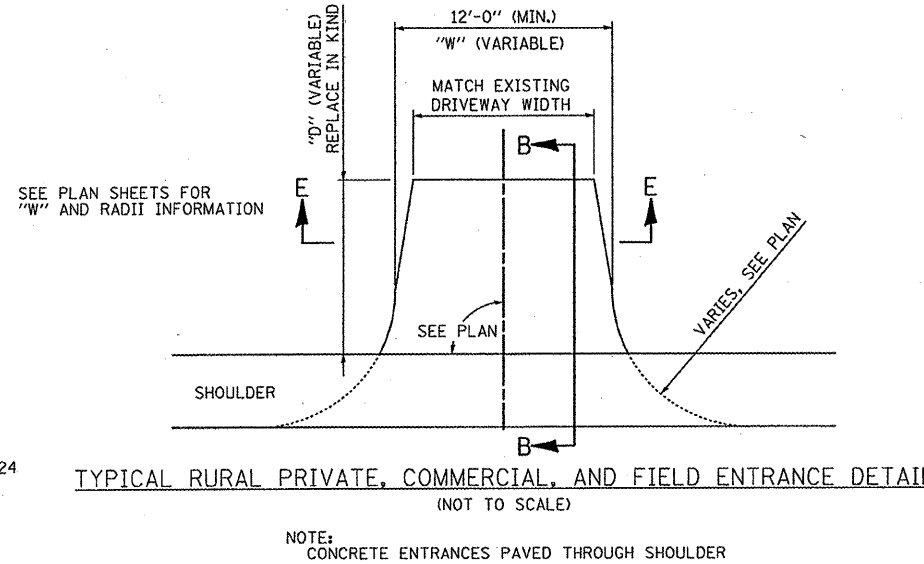
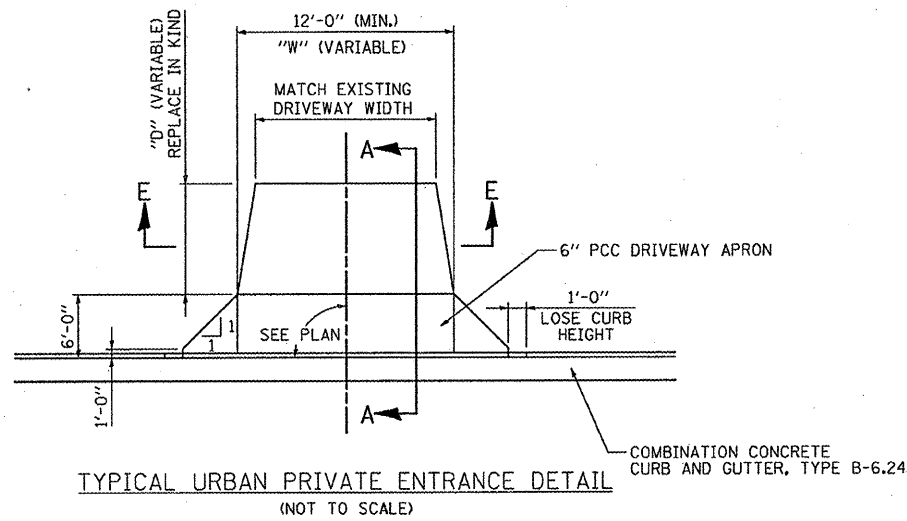


SHILOH CUT-OFF AND EAST HIGHWAY 50

CHAD D. FAIRBANKS
052-063136
4-13-11
EXP-9730-11

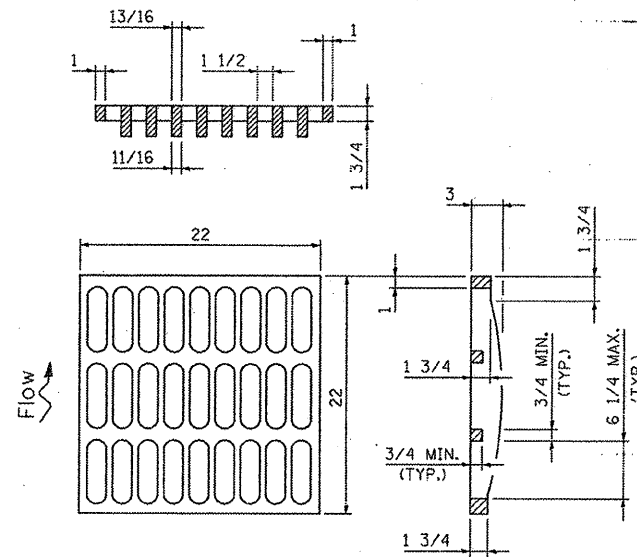
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9266	06-00062-06-PV	ST. CLAIR	80	41
FHWA REG. NO. 7	ILLINOIS	PROJECT NO.	RS-0163(035)	
FEDERAL AID PROJECT	CONTRACT NO.	97457		

ENTRANCE DETAILS



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062-063136
4-13-1
exp 11-20-1

F.A.I.D. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9266	06-00062-06-PV	ST. CLAIR	80	42
FHWA REG. NO. 7	ILLINOIS	PROJECT NO.	RS-0163(035)	
FEDERAL AID PROJECT	CONTRACT NO. 97457			



GRATE TYPE A
(NOT TO SCALE)

GENERAL NOTES

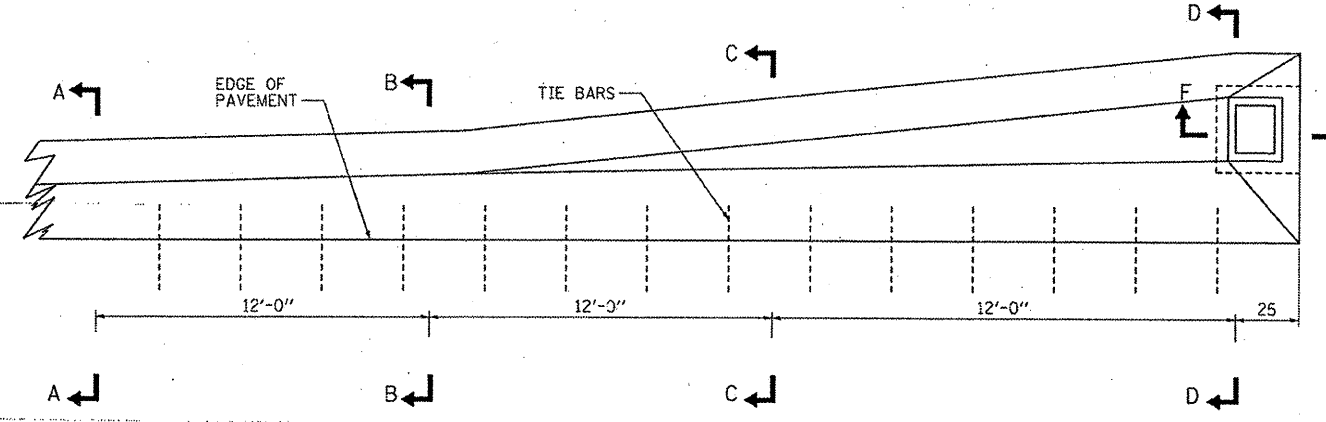
THE GUTTER OUTLET SHALL BE TIED TO THE PAVEMENT IN ACCORDANCE WITH DETAILS FOR LONGITUDINAL CONSTRUCTION JOINT SHOWN ON STANDARD 420001.

TIE BARS SHALL BE NO. 6 (NO. 19) AT 24" CENTERS UNLESS OTHERWISE SHOWN.

IF THE AVERAGE GRADE OF PAVEMENT FOR THE DISTANCE A-D EXCEEDS 2%, THIS DISTANCE SHALL BE INCREASED 6' (1.8 M) FOR EACH 1% INCREASE IN GRADE.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.

OUTLET TYPE 1 (SPECIAL) FOR TYPE A GUTTER LOCATIONS
 STA. 68+50.00 RT
 STA. 83+00.00 LT
 STA. 80+38.50 RT

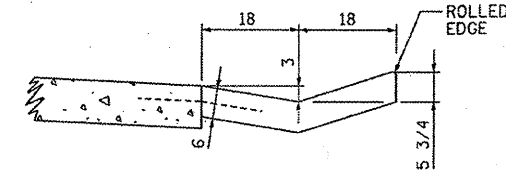


OUTLET TYPE 1 (SPECIAL) - PLAN
(NOT TO SCALE)

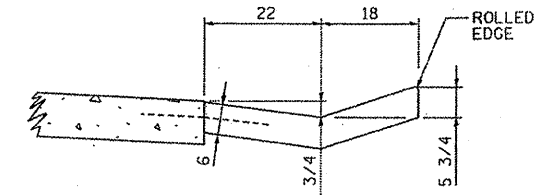
OUTLET TYPE 1 (SPECIAL) FOR TYPE A GUTTER SHALL BE PAID FOR USING THE FOLLOWING QUANTITIES

MATERIAL	QUANTITY
CLASS SI CONCRETE (OUTLET) - CU. YD.	2.9
GRATES, TYPE A - EA.	1
INLETS, TYPE B OR MANHOLES, TYPE A, 6'-DIAMETER - EA.	1

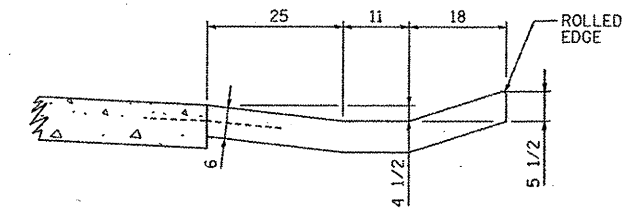
OUTLET TYPE 1 (SPECIAL) FOR TYPE A GUTTER



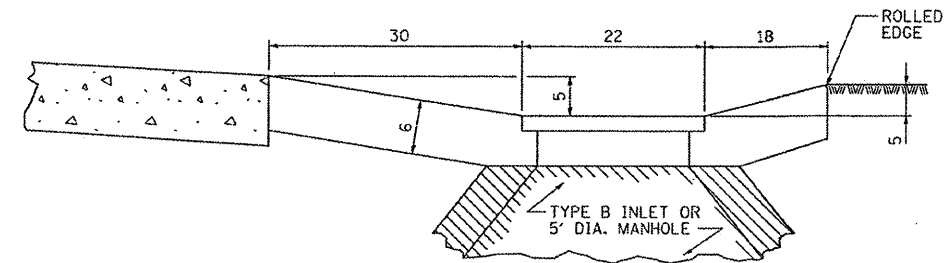
SECTION A-A
(NOT TO SCALE)



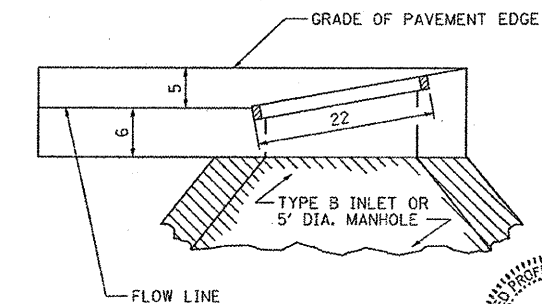
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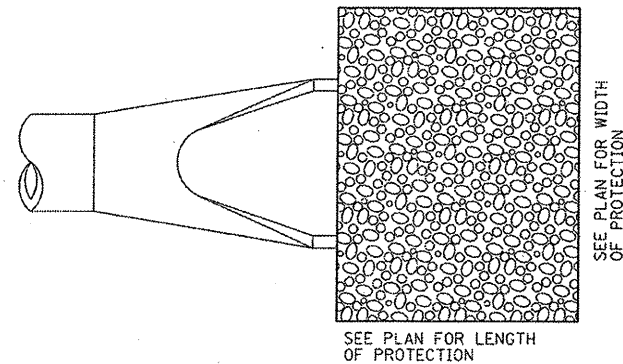
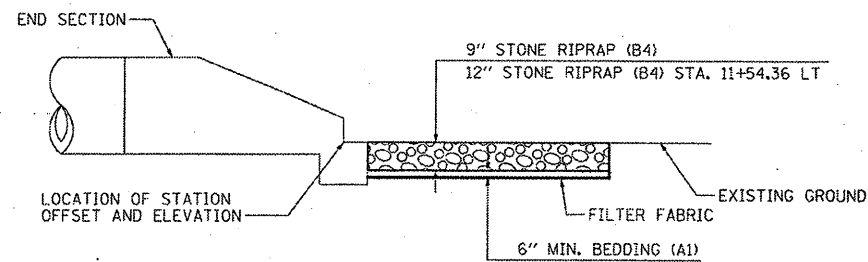
SECTION C-C
(NOT TO SCALE)



SECTION D-D
(NOT TO SCALE)



SECTION F-F
(NOT TO SCALE)

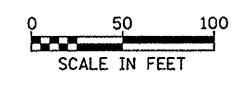


TYPICAL RIPRAP DETAIL
(NOT TO SCALE)

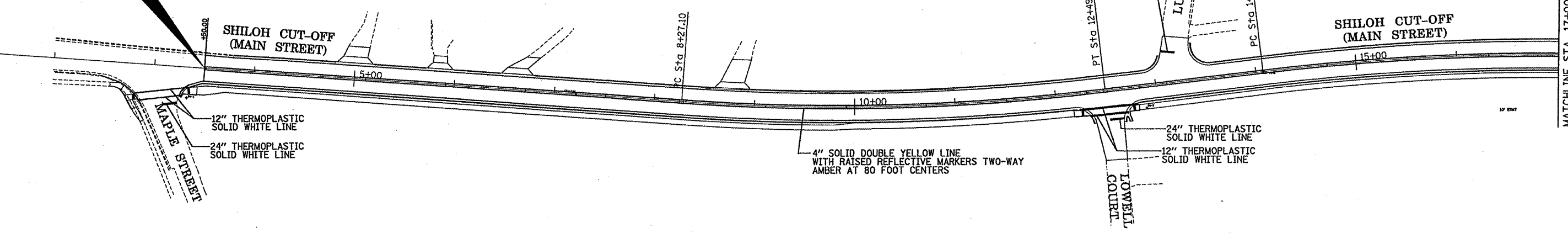
CHAD D. FAURBANKS
 062-063136
 4-20-11
 expires 11-20-11

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9266	06-00062-06-PV	ST. CLAIR	80	43
FHWA REG. NO. 7	ILLINOIS	PROJECT NO.	RS-0163(035)	
FEDERAL AID PROJECT	CONTRACT NO.		97457	

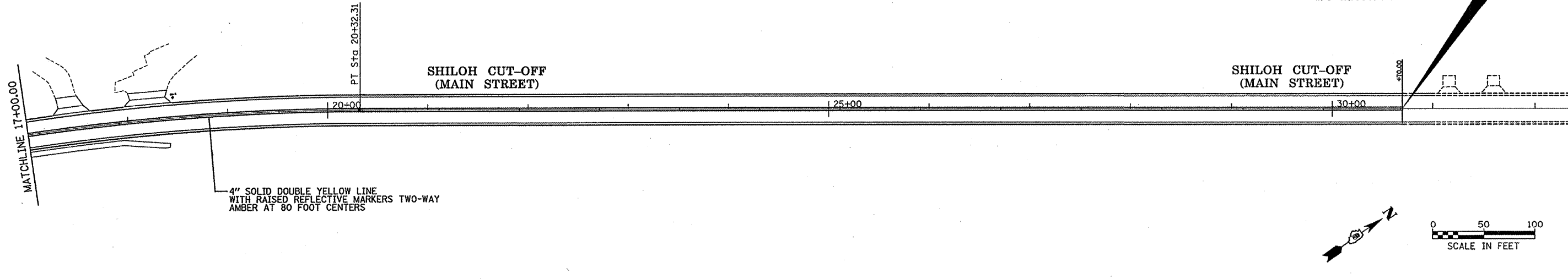
PAVEMENT MARKING



SECTION 06-00062-06-PV BEGINS STA. 3+50.00

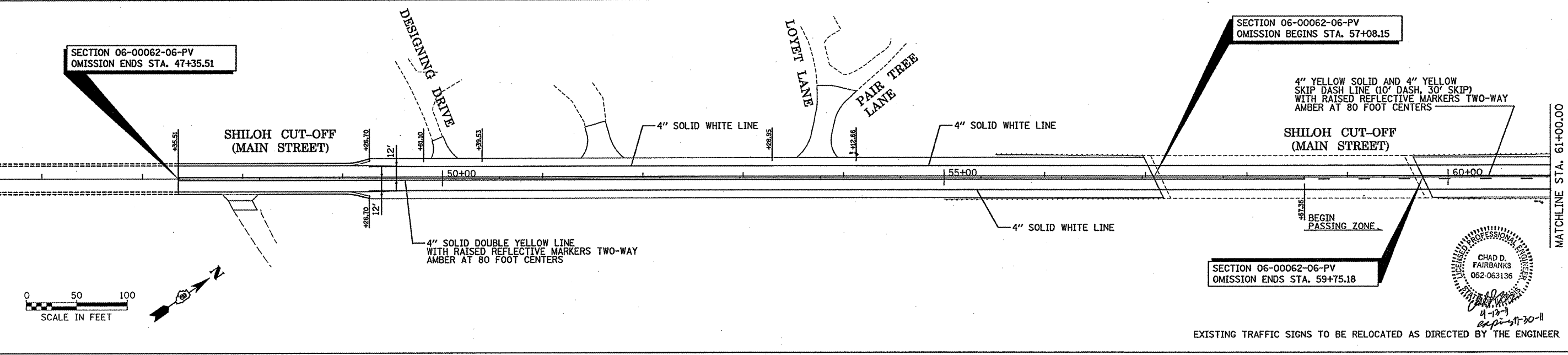


SECTION 06-00062-06-PV OMISSION BEGINS STA. 30+70.00

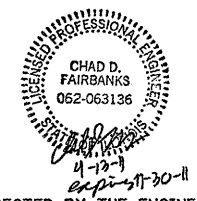


SECTION 06-00062-06-PV OMISSION ENDS STA. 47+35.51

SECTION 06-00062-06-PV OMISSION BEGINS STA. 57+08.15



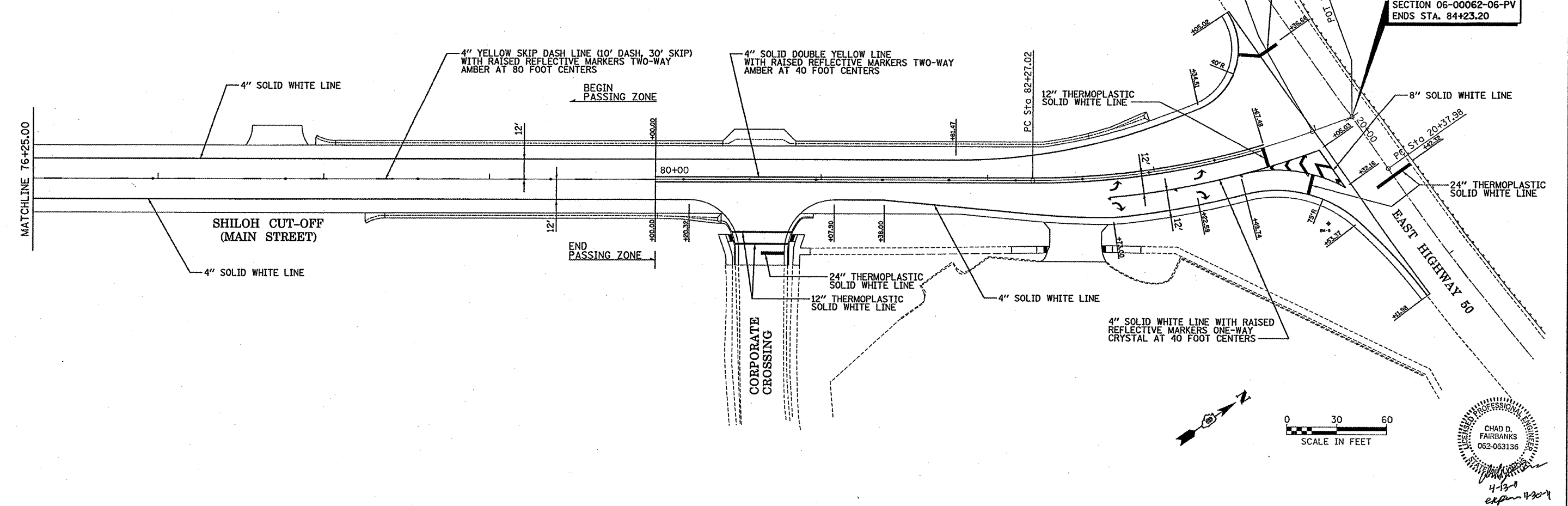
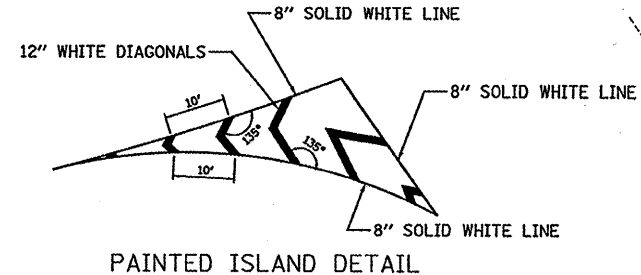
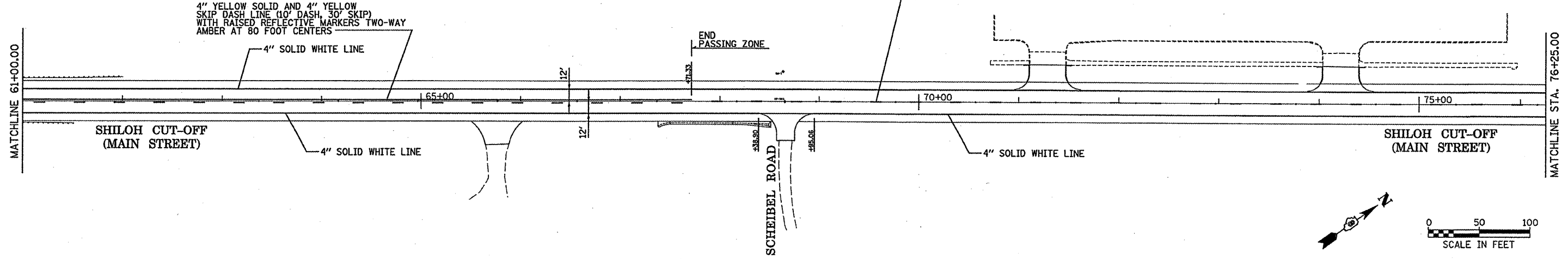
SECTION 06-00062-06-PV OMISSION ENDS STA. 59+75.18



EXISTING TRAFFIC SIGNS TO BE RELOCATED AS DIRECTED BY THE ENGINEER

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9266	06-00062-06-PV	ST. CLAIR	80	44
FHWA REG. NO. 7 ILLINOIS		PROJECT NO. RS-0163(035)		
FEDERAL AID PROJECT		CONTRACT NO. 97457		

PAVEMENT MARKING



CHAD D. FAIRBANKS
062-063136
4-13-09
4/20/09

EXISTING TRAFFIC SIGNS TO BE RELOCATED AS DIRECTED BY THE ENGINEER

ELECTRICAL GENERAL NOTES

- ALL SIGNAL HEADS SHALL BE BLACK POLYCARBONATE AND SHALL HAVE 12" LENSES, SIGNAL POSTS, MAST ARMS AND MOUNTING HARDWARE SHALL BE PAINTED BLACK. ALL BOLTS, SCREWS, NUTS AND WASHERS SHALL BE STAINLESS STEEL. ANTI-SIEZE PASTE COMPOUND SHALL BE USED ON ALL MOUNTING HARDWARE FIELD CONNECTIONS.
- BACK PLATES SHALL BE BLACK ABS PLASTIC.
- CONTROLLER CABINETS SHALL BE UNPAINTED ALUMINUM.
- THE LOCATION OF MAST ARM SUPPORTS SHALL BE APPROVED BY THE ENGINEER BEFORE FOUNDATIONS ARE CONSTRUCTED. MAST ARM POLES SHALL BE LOCATED A MINIMUM OF TEN (10) FEET FROM THE EDGE OF PAVEMENT OR TWO (2) FEET FROM SHOULDER, WHICHEVER DISTANCE IS GREATER. IN CURB/GUARDRAIL SECTIONS, THE MAST ARM POLES SHALL BE LOCATED A MINIMUM OF FIVE (5) FEET FROM THE FACE OF THE CURB/GUARDRAIL. THESE DISTANCES ARE TO THE NEAR FACE OF THE MAST ARM POLE.
- ALL TRAFFIC SIGNAL CABLE SHALL BE #14 AWG STRANDED COPPER UNLESS OTHERWISE SPECIFIED. THERE SHALL BE FOUR (4) GROUND RODS IN THE CONTROLLER CABINET. GROUND WIRES SHALL BE #6 AWG STRANDED, BARE COPPER.
- ALL PROPOSED CONDUIT SHALL BE PVC UNLESS NOTED OTHERWISE. ALL CONDUIT SHALL BE PLACED AND BACKFILLED PRIOR TO CONSTRUCTION OF NEW PAVEMENT, SHOULDER AND CURB. AT A MINIMUM DEPTH OF TWO (2) FEET. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR PUSHING CONDUIT AFTER SUCH WORK HAS BEEN COMPLETED.
- THE LOCATION OF ALL DETECTOR LOOPS SHALL BE APPROVED BY THE ENGINEER BEFORE ANY SLOTS ARE SAWED IN THE PAVEMENT.
- DETECTOR LOOP LEAD-IN SPLICES SHALL BE MADE IN A HANDHOLE PER SECTION 873 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION". CONDUCTORS SHALL BE SPLICED IN A RIGID MOLD FILLED WITH NON-HARDENING EPOXY FILLER, RESIN CORE SOLDER SHALL BE USED.
- CALL DELAY SHALL NOT FUNCTION WHEN THE RELATED PHASES ARE IN THE GREEN MODE. "CALL CARRY-OVER" SHALL FUNCTION ONLY WHEN THE RELATED PHASES ARE IN THE GREEN MODE.
- ALL INDUCTION LOOP DETECTOR AMPLIFIERS SUPPLIED FOR THIS INTERSECTION SHALL BE RACK MOUNTED AND SHALL HAVE THE CAPACITY OF OPERATING WITH BOTH DELAY AND EXTENSION MODES ACTIVE. IF A TIME SETTING IS PROGRAMMED.
- SLOPE HANDHOLE COVERS TO MATCH PROPOSED GRADE ELEVATIONS.
- ALL UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO ANY ATTEMPT TO CONSTRUCT ANY COMPONENT OF THE VARIOUS TRAFFIC SIGNAL INSTALLATIONS. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE LIMITS OF THIS IMPROVEMENT ARE THE FOLLOWING:

AMEREN IP (GAS AND ELECTRIC)
AT&T (TELEPHONE)
CHARTER COMMUNICATIONS (CABLE TV)
CITY OF O'FALLON (SEWER AND WATER)
ILLINOIS AMERICAN WATER (WATER)
VILLAGE OF SHILOH (SANITARY SEWER)
- THE LOCATION OF EXISTING UTILITIES AS SHOWN ON THE PLANS HAVE BEEN LOCATED AT THE TIME OF SURVEY, OR BASED ON AVAILABLE EXISTING INFORMATION. NO GUARANTEE IS IMPLIED THAT ALL UTILITIES HAVE BEEN LOCATED OR DEPICTED ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE EXACT LOCATION OF ALL UTILITIES. IT MAY BE NECESSARY TO HAND DIG TEST HOLES TO EXPOSE EXISTING UTILITIES AT SOME LOCATIONS.
- SEE "JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS" (JULIE) IN THE SPECIAL PROVISIONS. CALL (800) 892-0123 ONE WEEK BEFORE PLANNING TO DIG.
- CONDUIT SPLICES WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED PART OF THE NEW CONDUIT INSTALLATION.
- THE CONTRACTOR SHALL INSTALL THE STREET NAME SIGNS ON THE MAST ARMS AS SHOWN ON THE PLANS AS FOLLOWS:

ONE SIGN N.W. QUAD., VISIBLE TO W.B. TRAFFIC (A)
ONE SIGN N.E. QUAD., VISIBLE TO N.B. TRAFFIC (B)
ONE SIGN S.E. QUAD., VISIBLE TO E.B. TRAFFIC (A)
- THE CONTRACTOR SHALL FABRICATE, DELIVER AND INSTALL A STREET NAME SIGN AT EACH OF THE ABOVE SPECIFIED LOCATIONS. THE SIGNS AND INSTALLATION SHALL CONFORM TO SECTION 720 OF THE "STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION" AND HIGHWAY STANDARD NOS. 720001 AND 720016. STREET NAME SIGNS SHALL BE 8" SERIES D 2000.
- THE LOCATION OF SIGNAL HEADS ON MAST ARMS SHALL BE APPROVED BY THE ENGINEER BEFORE MAST ARMS ARE INSTALLED.
- SEE PLAN SHEETS FOR TRAFFIC CONTROL AND CONSTRUCTION STAGING REQUIREMENTS.
- MAST ARM FOUNDATION DEPTHS SHOWN ARE DESIGNED USING BORING DATA INCLUDED IN THESE PLANS. THE CONTRACTOR SHALL VERIFY REQUIRED DEPTHS PRIOR TO STEEL FABRICATION AND CONSTRUCTION OF CONCRETE FOUNDATIONS. THE ENGINEER SHOULD BE CONTACTED FOR A REVISED DESIGN IF OTHER CONDITIONS ARE ENCOUNTERED.

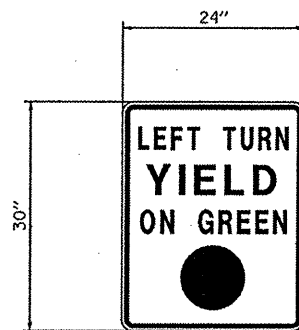
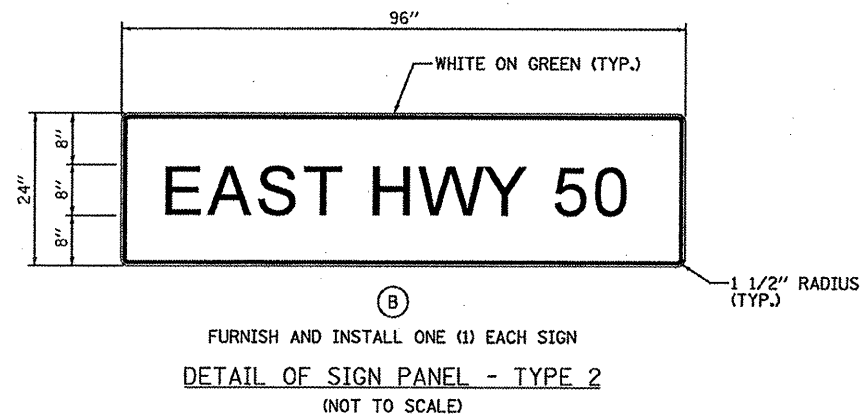
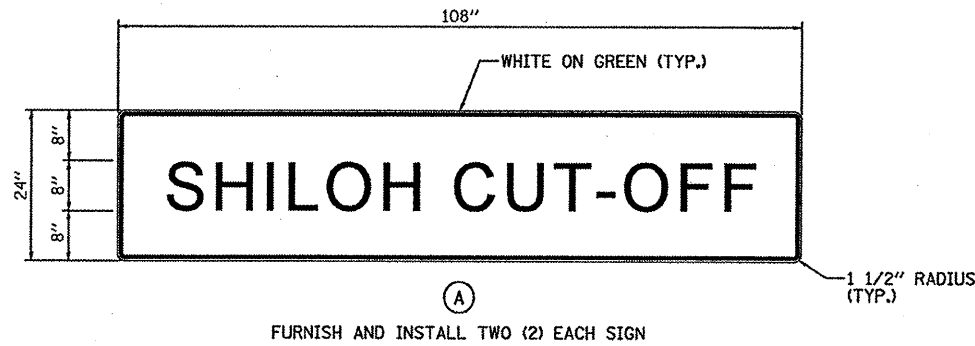
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9266	06-00062-06-PV	ST. CLAIR	80	45
FHWA REG. NO. 7 ILLINOIS		PROJECT NO. RS-0163(035)		
FEDERAL AID PROJECT		CONTRACT NO. 97457		

TRAFFIC SIGNAL PLANS

DETECTOR LOOP REQUIREMENTS & CALCULATIONS

LOOP #	DIRECTION	PHASE	LOOP SIZE (FOOT)	REQUIRED NUMBER OF TURNS	LEAD-IN CABLE LENGTH (FOOT)	CALCULATED INDUCTANCE (microhenries)	CALCULATED RESISTANCE (ohms)
1	WB THRU	6	6' x 50'	3 - 6 - 3	89	805.47	2.03
2	WB LT	1	6' x 50'	3 - 6 - 3	89	805.47	2.03
3	WB C.C.O.	6	6' x 6'	6	447	353.11	2.59
4	NB LT	4	6' x 75'	3 - 6 - 3	91	1,180.91	2.79
5	NB RT	4	6' x 50'	3 - 6 - 3	91	805.91	2.04
6	EB THRU	2	6' x 6'	3 - 6 - 3	196	829.01	2.57
7	EB C.C.O.	2	6' x 50'	6	516	368.29	2.94

THE ABOVE VALUES ARE CALCULATIONS OF COMBINED LOOP AND LEAD-IN INDUCTANCE AND RESISTANCE. ACTUAL MEASURED VALUES SHOULD BE WITHIN 20% OF THESE VALUES.



FURNISH AND INSTALL ONE (1) EACH SIGN
MOUNT SIGNS ON THE MAST ARMS, 2'-8" FROM THE CENTER OF THE SIGN TO THE CENTER OF THE 5-SECTION SIGNAL HEAD. (8" SPACING BETWEEN THE EDGE OF THE SIGN AND THE EDGE OF THE SIGNAL HEAD BACK PLATE)
DETAIL OF SIGN PANEL - TYPE 1
(NOT TO SCALE)

TRAFFIC SIGNAL SCHEDULE

ITEM	UNIT	DOT QUANTITY	COUNTY QUANTITY	TOTAL QUANTITY
SIGN PANEL - TYPE 1	SQ FT	3.33	1.67	5
SIGN PANEL - TYPE 2	SQ FT	34.67	17.33	52
SERVICE INSTALLATION, TYPE A	EACH	0.67	0.33	1
CONDUIT IN TRENCH, 1" DIA., GALVANIZED STEEL	FOOT	61.33	30.67	92
CONDUIT IN TRENCH, 1 1/2" DIA., GALVANIZED STEEL	FOOT	61.33	30.67	92
CONDUIT IN TRENCH, 1" DIA., PVC	FOOT	37.33	18.67	56
CONDUIT IN TRENCH, 1 1/2" DIA., PVC	FOOT	534.00	267.00	801
CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	166.00	83.00	249
CONDUIT IN TRENCH, 3" DIA., PVC	FOOT	9.33	4.67	14
CONDUIT PUSHED, 3" DIA., PVC	FOOT	39.33	19.67	59
HANDHOLE	EACH	4.67	2.33	7
DOUBLE HANDHOLE	EACH	0.67	0.33	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	0.67	0.33	1
INTERSECTION MONITOR UNIT	EACH	0.67	0.33	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	570.67	285.33	856
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	576.67	288.33	865
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1,022.67	511.33	1,534
ELECTRIC CABLE IN CONDUIT, SERVICE NO. 6 1C	FOOT	192.00	96.00	288
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	259.00	129.50	389
TRAFFIC SIGNAL POST, ALUMINUM 20 FT.	EACH	0.67	0.33	1
STEEL MAST ARM ASSEMBLY AND POLE, 22 FT.	EACH	0.67	0.33	1
STEEL MAST ARM ASSEMBLY AND POLE, 30 FT.	EACH	0.67	0.33	1
STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	0.67	0.33	1
CONCRETE FOUNDATION, TYPE A	FOOT	2.00	1.00	3
CONCRETE FOUNDATION, TYPE D (SPECIAL)	FOOT	2.00	1.00	3
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	24.67	12.33	37
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	0.67	0.33	1
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	3.33	1.67	5
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	0.67	0.33	1
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	0.67	0.33	1
SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	1.33	0.67	2
TRAFFIC SIGNAL BACKPLATE, PLASTIC	EACH	4.00	2.00	6
INDUCTION LOOP DETECTOR AMPLIFIER WITH EXTENDED CALL - DELAY CALL	EACH	4.67	2.33	7
DETECTOR LOOP, TYPE 1	FOOT	2,690.67	1,345.33	4,036

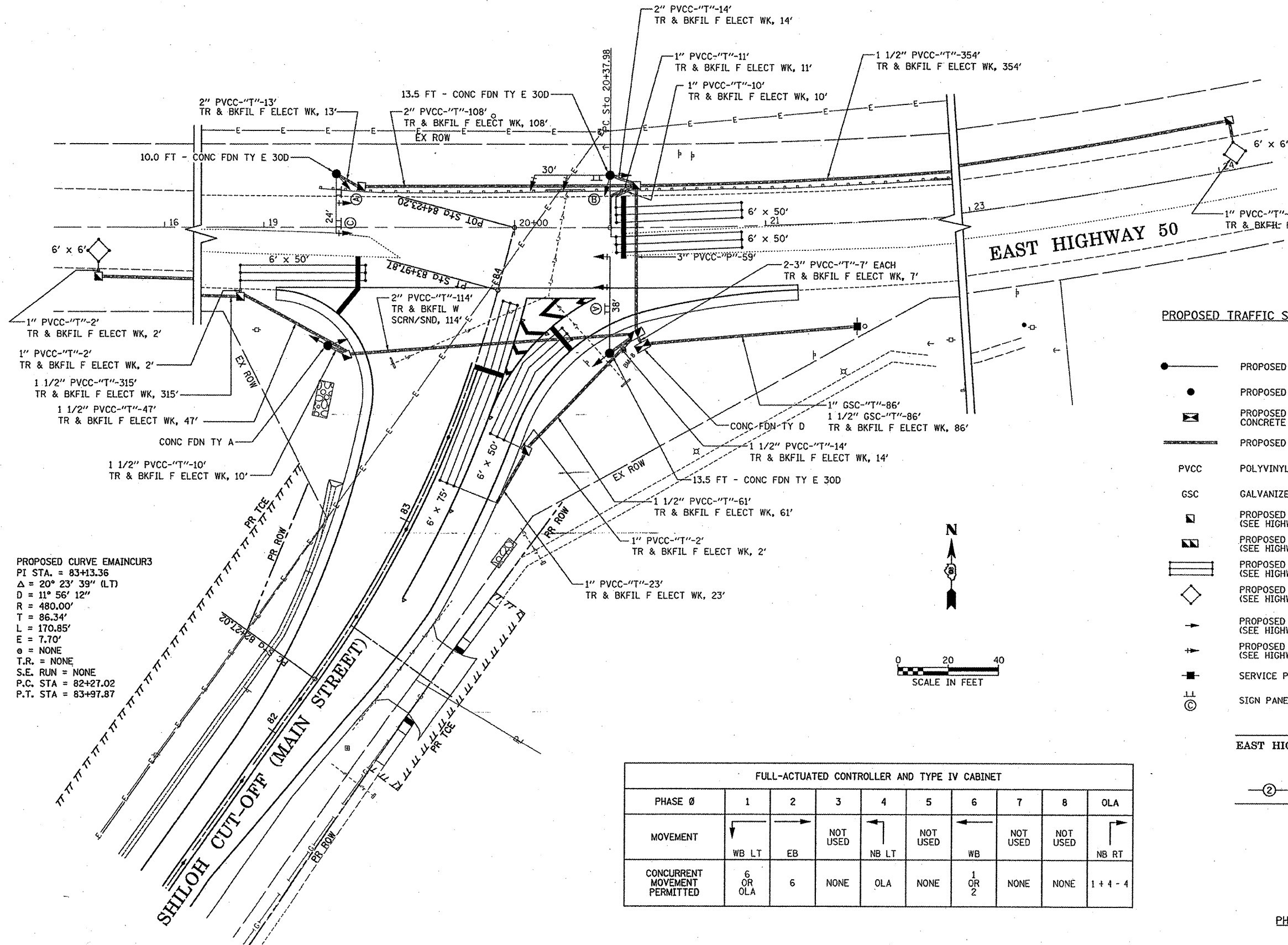
TRAFFIC SIGNAL STANDARDS

720001-01	873001-02
720016-02	877001-04
805001-01	880006-01
814001-02	886001-01
814006-02	886006-01
857001-01	

MARTIN N. SCHWARTZ
062-054412
4/20/2011
Exp. 11/30/2011

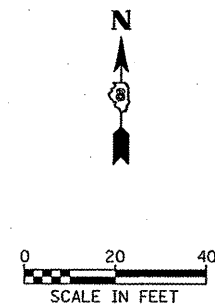
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9266	06-00062-06-PV	ST. CLAIR	80	46
FHWA REG. NO. 7	ILLINOIS	PROJECT NO.	RS-0163(035)	
FEDERAL AID PROJECT	CONTRACT NO.		97457	

TRAFFIC SIGNAL PLANS



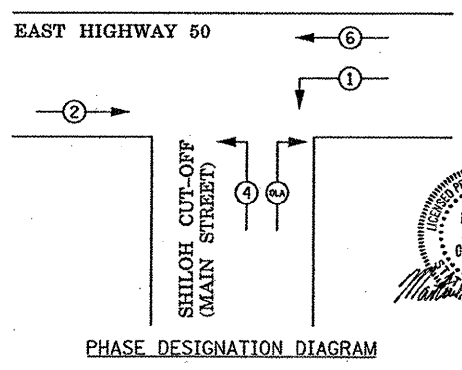
PROPOSED CURVE EMAINCUR3
 PI STA. = 83+13.36
 $\Delta = 20^\circ 23' 39''$ (LT)
 $D = 11^\circ 56' 12''$
 $R = 480.00'$
 $T = 86.34'$
 $L = 170.85'$
 $E = 7.70'$
 $\theta = \text{NONE}$
 T.R. = NONE
 S.E. RUN = NONE
 P.C. STA = 82+27.02
 P.T. STA = 83+97.87

- PROPOSED TRAFFIC SIGNALS LEGEND**
- PROPOSED STEEL MAST ARM
 - PROPOSED ALUMINUM SIGNAL POST
 - ⊞ PROPOSED CONTROLLER WITH CONCRETE FOUNDATION, TYPE D
 - PROPOSED CONDUIT: "T" TRENCH, "P" PUSHED, SIZE SPECIFIED
 - PVCC POLYVINYL CHLORIDE CONDUIT
 - GSC GALVANIZED STEEL CONDUIT
 - ◻ PROPOSED HANDHOLE (SEE HIGHWAY STANDARD 814001)
 - ◻ PROPOSED DOUBLE HANDHOLE (SEE HIGHWAY STANDARD 814006)
 - ▭ PROPOSED DETECTOR LOOP LARGE (SEE HIGHWAY STANDARDS 886001 & 886006)
 - ◇ PROPOSED DETECTOR LOOP SMALL (SEE HIGHWAY STANDARDS 886001 & 886006)
 - ↑ PROPOSED SIGNAL HEAD (SEE HIGHWAY STANDARD 880006)
 - ↑ PROPOSED SIGNAL HEAD WITH BACKPLATE (SEE HIGHWAY STANDARD 880006)
 - SERVICE POLE (SEE HIGHWAY STANDARD 805001)
 - ⊙ SIGN PANEL (SEE SHEET 45 FOR SIGN IDENTIFICATION)



FULL-ACTUATED CONTROLLER AND TYPE IV CABINET

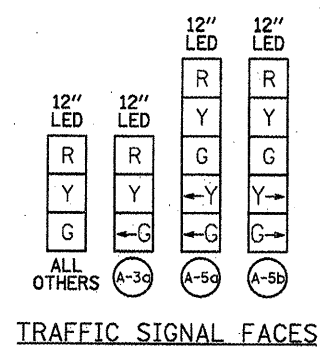
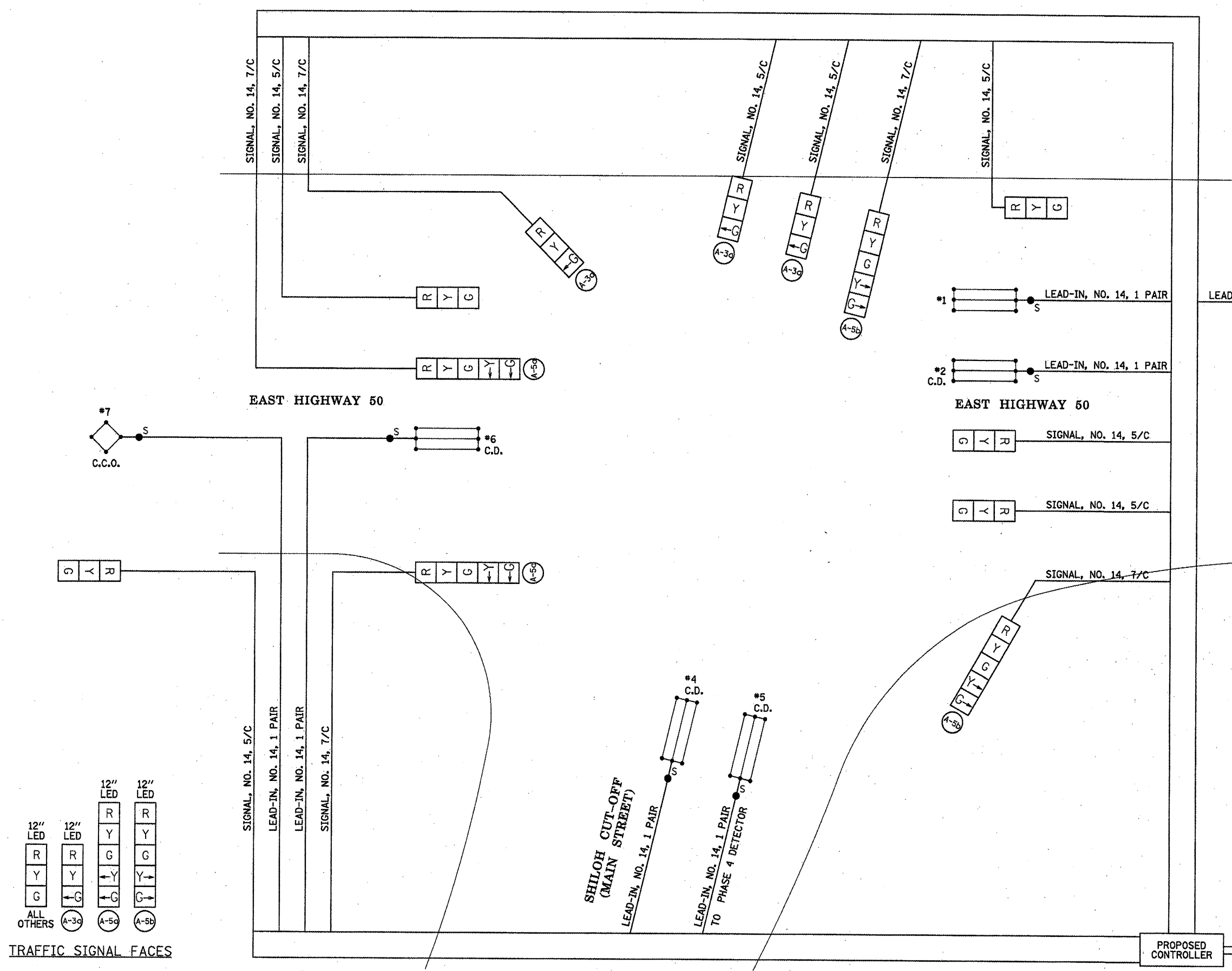
PHASE Ø	1	2	3	4	5	6	7	8	OLA
MOVEMENT	WB LT	EB	NOT USED	NB LT	NOT USED	WB	NOT USED	NOT USED	NB RT
CONCURRENT MOVEMENT PERMITTED	6 OR OLA	6	NONE	OLA	NONE	1 OR 2	NONE	NONE	1 + 4 - 4



MARTIN N. SOLOMON
 062-054412
 7/20/2011
 Exp 11/30/2011

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9266	06-00062-06-PV	ST. CLAIR	80	47
FHWA REG. NO. 7 ILLINOIS		PROJECT NO. RS-0163(035)		
FEDERAL AID PROJECT		CONTRACT NO. 97457		

TRAFFIC SIGNAL PLANS

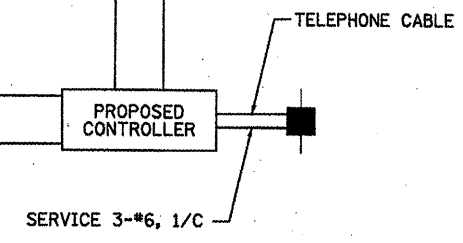


CABLE DIAGRAM LEGEND

- ELECTRIC CABLE IN CONDUIT
- S — CABLE SPLICE (SEE GENERAL NOTES)
- 5/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- C.D. CALL DELAY (SEE GENERAL NOTES)
- C.C.O. CALL CARRY OVER (SEE GENERAL NOTES)
- *6 LOOP DETECTOR NUMBER
- SERVICE POLE (SEE HIGHWAY STANDARD 805001)

CABLE DIAGRAM

MARTIN N. SOLOMON
 LICENSED PROFESSIONAL ENGINEER
 062-054412
 9/13/2011
 Exp. 11/30/2011



TRAFFIC SIGNAL PLANS



SOIL BORING LOG

Page 1 of 1

ROUTE FAU 9288 DESCRIPTION Mast Arm Boring - East Highway 50 LOGGED BY SCI
SECTION 06-00062-06-PV LOCATION O'Fallon Township; NE 1/4, SEC. 33, TWP. 2N, RNG. 7W
COUNTY St. Clair DRILLING METHOD CME 45/HSA HAMMER TYPE Automatic

STRUCT. NO.	DEPTH	D	B	U	M	Surface Water Elev.	Stream Bed Elev.
Station	ft	(ft)	(in)	(%)	(%)	ft	ft
BORING NO. <u>B-1</u>						Groundwater Elev.:	
Station <u>20+43.23</u>						First Encounter <u>Not observed</u>	
Offset <u>48 ft R</u>						Upon Completion <u>500.5 ft</u>	
Ground Surface Elev. <u>517.5</u>						After <u>4</u> Hrs. <u>505.0 ft</u>	
Rubble (near the ground surface) Northings - 897088.520/Easting - 2378307.852							
FILL: Gray and dark brown, silty clay (A-7)		1	1.6		25		
SILTY CLAY: Brown (A-6)		2	0.3		28		
		2	0.9		25		
		2	0.8		25		
		3	0.9		24		
		3	0.9		23		
SILTY CLAY: Brown and dark brown (A-7)		2	1.0		28		
CLAY: Brown and gray, trace sand and gravel (A-7)		1	1.4		22		
		2	0.9		23		
		3	0.9		23		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer). AASHTO Classifications are based on visual classifications unless otherwise noted. BBS, form 137 (Rev. 8-98)



SOIL BORING LOG

Page 1 of 1

ROUTE FAU 9266 DESCRIPTION Mast Arm Boring - East Highway 50 LOGGED BY SCI
SECTION 06-00062-06-PV LOCATION O'Fallon Township; NE 1/4, SEC. 33, TWP. 2N, RNG. 7W
COUNTY St. Clair DRILLING METHOD CME 45/HSA HAMMER TYPE Automatic

STRUCT. NO.	DEPTH	D	B	U	M	Surface Water Elev.	Stream Bed Elev.
Station	ft	(ft)	(in)	(%)	(%)	ft	ft
BORING NO. <u>B-2</u>						Groundwater Elev.:	
Station <u>20+44.29</u>						First Encounter <u>Not observed</u>	
Offset <u>30 ft L</u>						Upon Completion <u>498.7 ft</u>	
Ground Surface Elev. <u>513.7</u>						After <u>0.5</u> Hrs. <u>500.7 ft</u>	
FILL: Dark brown, silty clay (A-6)		1	1.8		31		
		1	0.8		28		
		2	0.6		26		
SILTY CLAY: Brown (A-6)		0	0.7		27		
		2	0.9		28		
		2	0.9		28		
Becomes brown and gray		0	0.2		36		
		1	0.4		28		
CLAY: Brown, gray, and dark brown (A-7)		1	0.4		28		
SANDY CLAY: Brown (A-6)		1	0.0		20		
		2	0.0		20		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer). AASHTO Classifications are based on visual classifications unless otherwise noted. BBS, form 137 (Rev. 8-98)



SOIL BORING LOG

Page 1 of 1

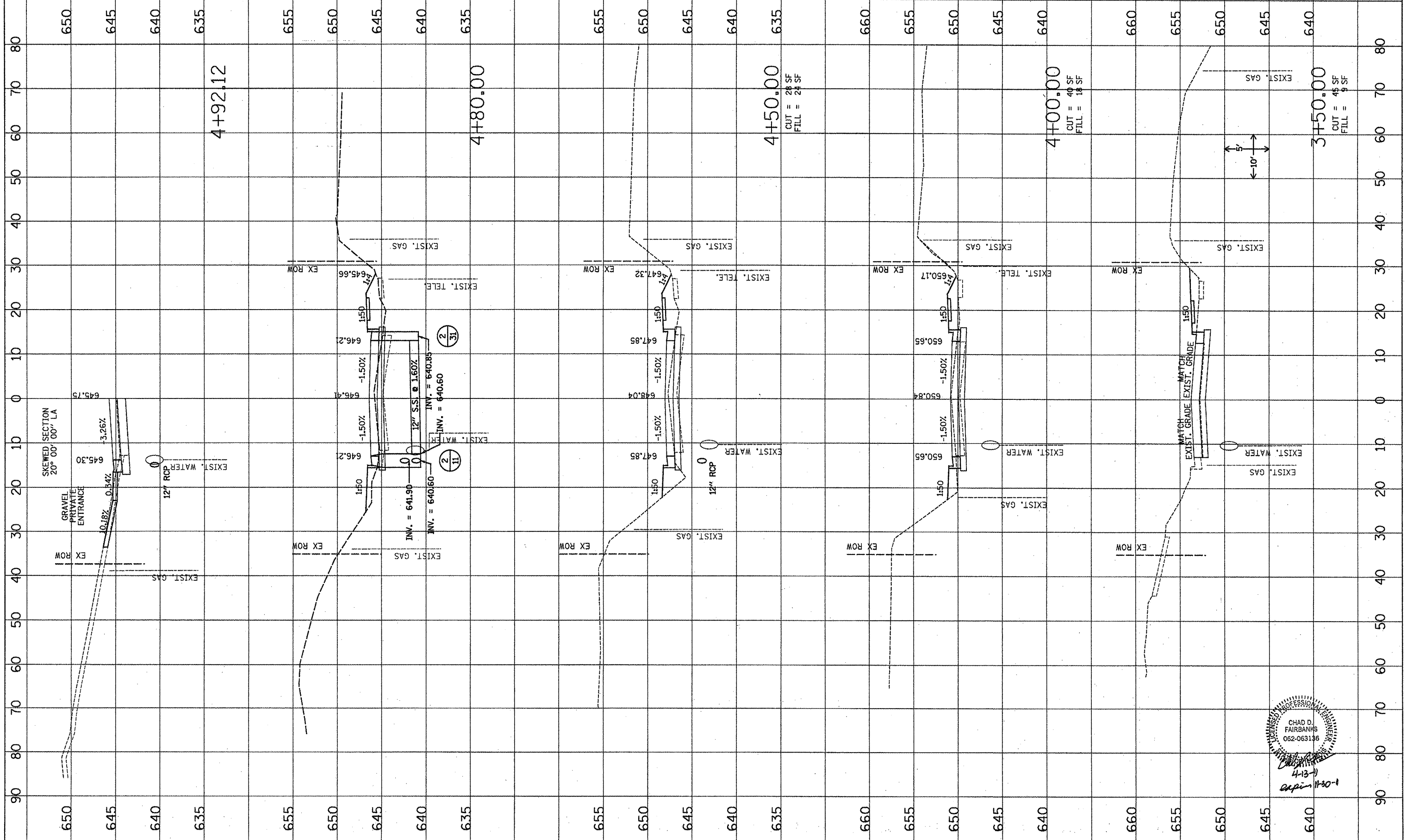
ROUTE FAU 9268 DESCRIPTION Mast Arm Boring - East Highway 50 LOGGED BY SCI
SECTION 06-00062-06-PV LOCATION O'Fallon Township; NE 1/4, SEC. 33, TWP. 2N, RNG. 7W
COUNTY St. Clair DRILLING METHOD CME 45/HSA HAMMER TYPE Automatic

STRUCT. NO.	DEPTH	D	B	U	M	Surface Water Elev.	Stream Bed Elev.
Station	ft	(ft)	(in)	(%)	(%)	ft	ft
BORING NO. <u>B-3</u>						Groundwater Elev.:	
Station <u>19+27.89</u>						First Encounter <u>511.5 ft</u>	
Offset <u>28 ft L</u>						Upon Completion <u>502.6 ft</u>	
Ground Surface Elev. <u>517.5</u>						After <u>2</u> Hrs. <u>512.5 ft</u>	
CLAY: Brown and gray (A-7)		3	1.1		30		
		4	0.8		28		
SILTY CLAY: Gray (A-6)		2	0.3		29		
		1	0.2		27		
Becomes brown		2	0.2		27		
		3	0.6		26		
		2	0.6		26		
		2	1.1		24		
		3	0.8		24		
CLAY: Brown and gray, trace sand (A-7)		2	1.3		24		
		3	0.8		24		
		1	1.4		27		
Becomes brown, gray, and dark brown, some sand		1	0.9		23		
		2	0.9		23		
		3	0.9		23		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer). AASHTO Classifications are based on visual classifications unless otherwise noted. BBS, form 137 (Rev. 8-98)

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9266	06-00062-06-PV	ST. CLAIR	80	49
FHWA REG. NO. 7 ILLINOIS		PROJECT NO. RS-01631035)		
FEDERAL AID PROJECT		CONTRACT NO. 97457		

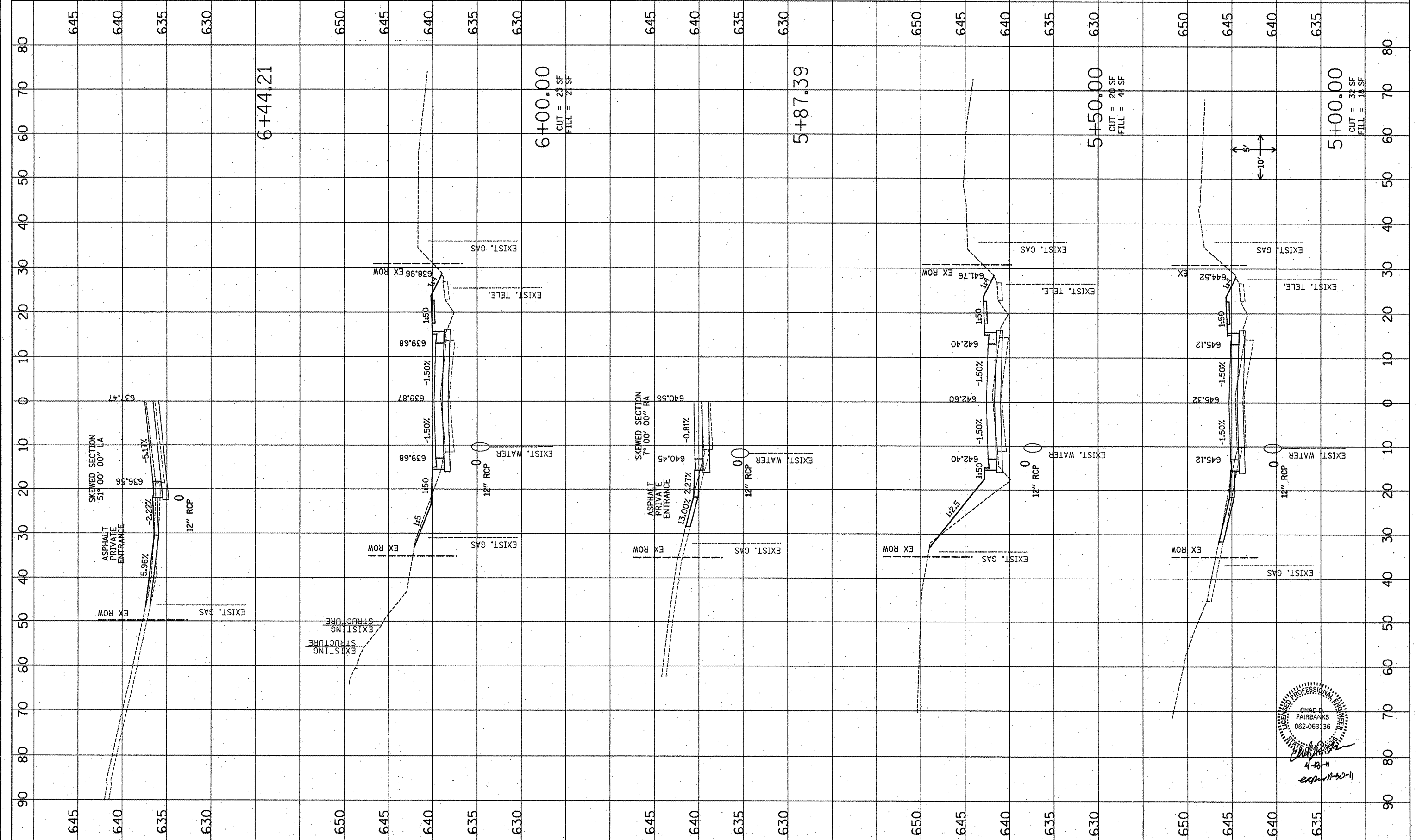
SHILOH CUT-OFF CROSS SECTIONS



CHAD D. FAIRBANKS
 062-063136
 4-13-11
 epin 11-30-1

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9266	06-0062-06-PV	ST. CLAIR	80	50
FHWA REG. NO. 7	ILLINOIS	PROJECT NO.	RS-0163(035)	
FEDERAL AID PROJECT	CONTRACT NO.		97457	

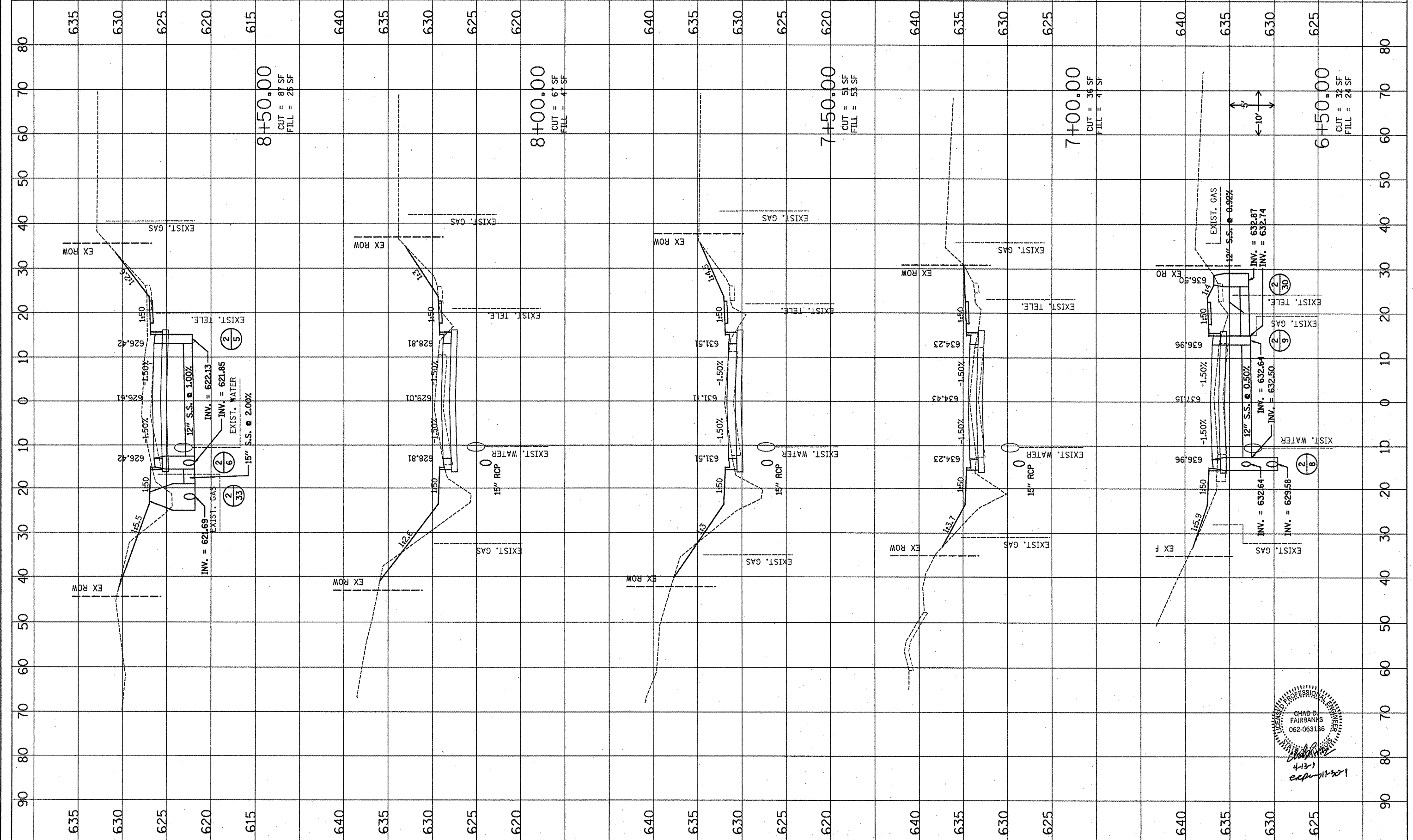
SHILOH CUT-OFF CROSS SECTIONS



CHAD D. FAIRBANKS
 062-063136
 1-2-11-11
 1-2-11-11

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9266	06-00062-06-PV	ST. CLAIR	80	51
FHWA REG. NO. 7	ILLINOIS	PROJECT NO.	RS-0163(035)	
FEDERAL AID PROJECT	CONTRACT NO.		97457	

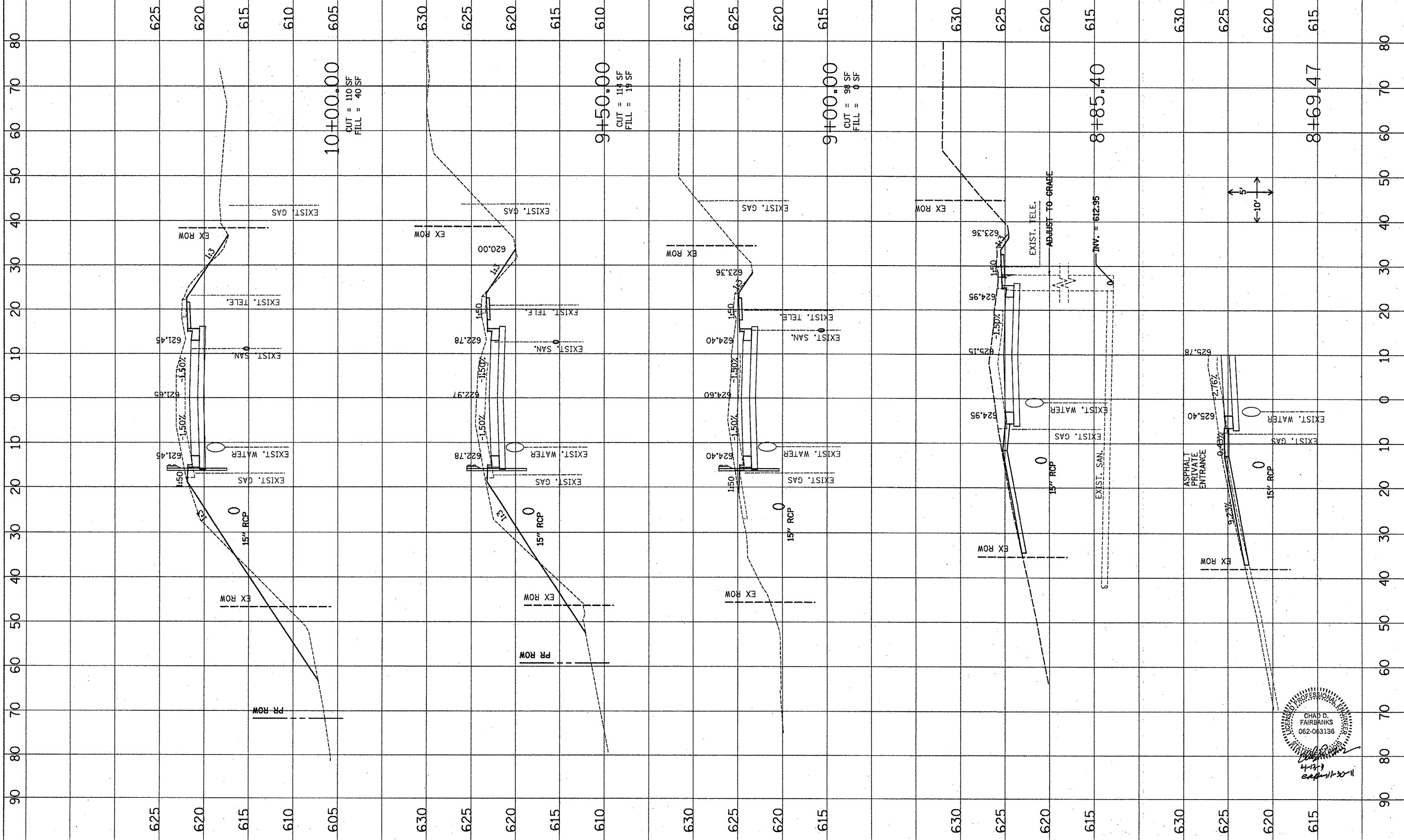
SHILOH CUT-OFF CROSS SECTIONS



CHAS. D. FAIRBANKS
 062-063136
 4-13-11
 EXP-11-301

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9266	06-00062-06-PV	ST. CLAIR	80	52
FHWA REG. NO. 7	ILLINOIS	PROJECT NO.	RS-0163(035)	
FEDERAL AID PROJECT	CONTRACT NO.		97457	

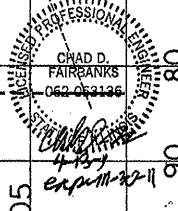
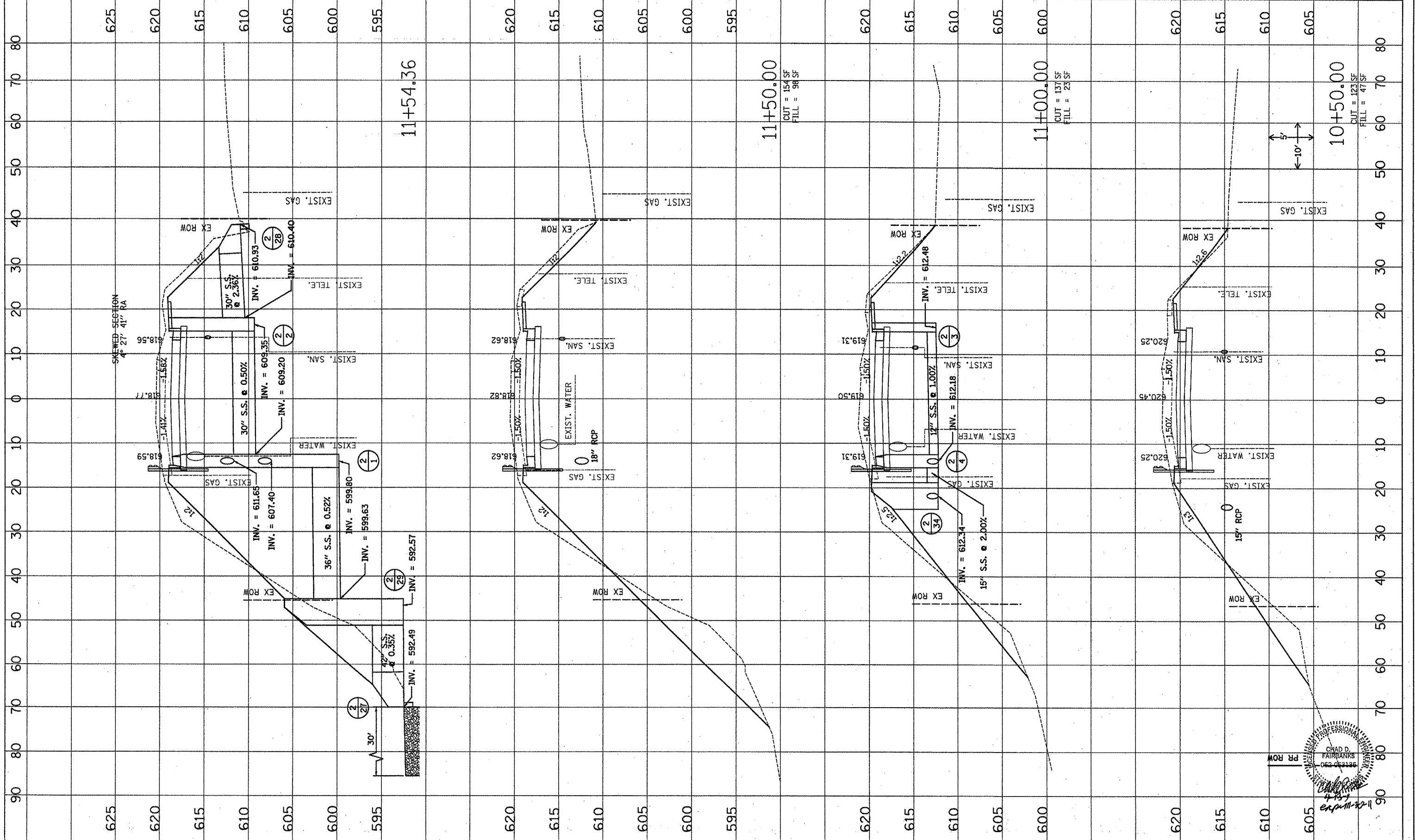
SHILOH CUT-OFF CROSS SECTIONS



CHAD D. FAIRBANKS
062-063136
Professional Engineer
4-12-14
exp 11-30-14

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9266	06-00062-06-PV	ST. CLAIR	80	53
FHWA REG. NO. 7	ILLINOIS	PROJECT NO.	RS-0163(035)	
FEDERAL AID PROJECT	CONTRACT NO.		97457	

SHILOH CUT-OFF CROSS SECTIONS



PR ROW

10+50.00
CUT = 123 SF
FILL = 47 SF

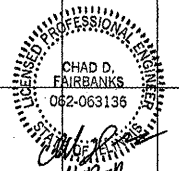
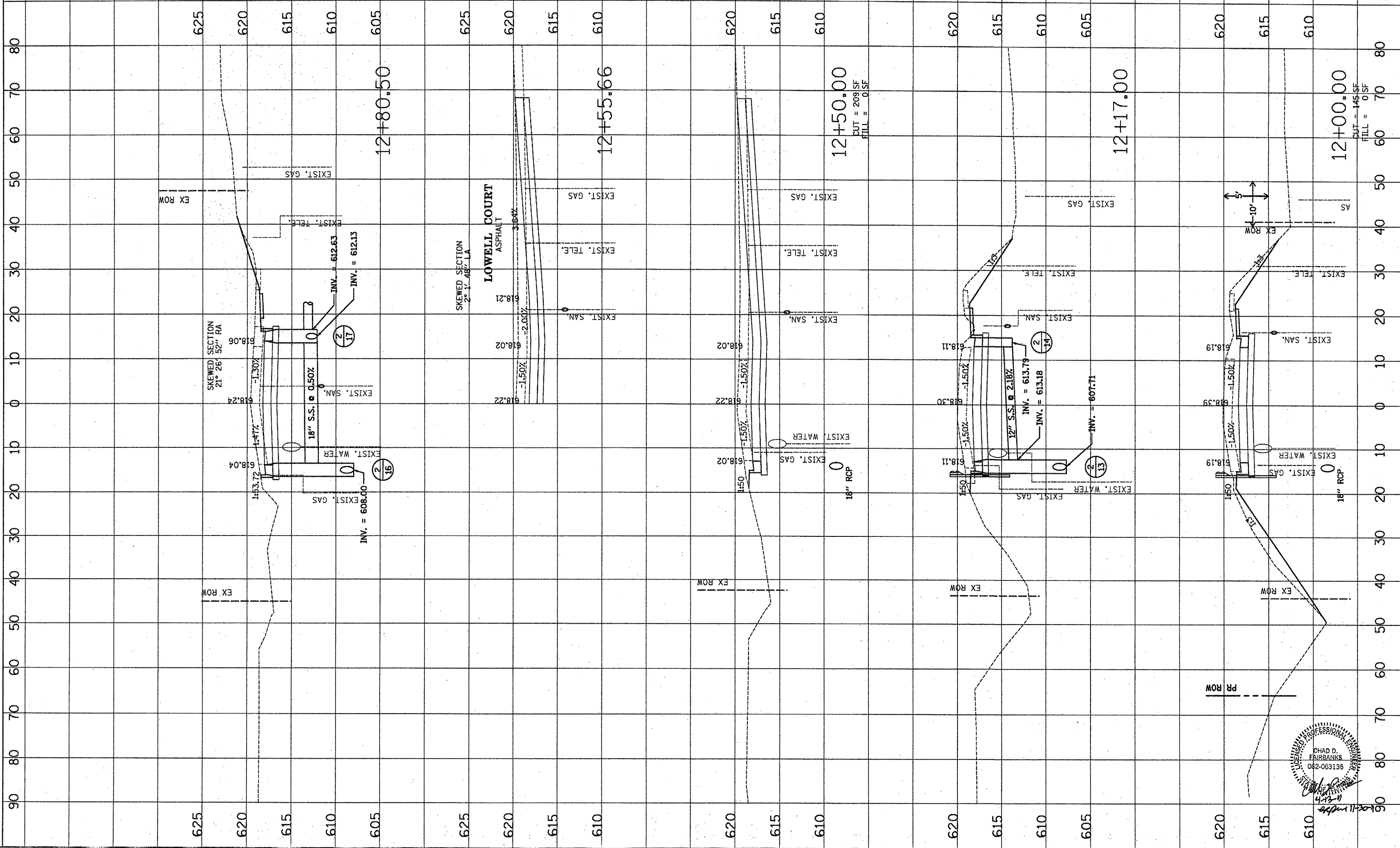
11+00.00
CUT = 137 SF
FILL = 23 SF

11+50.00
CUT = 154 SF
FILL = 98 SF

11+54.36

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9266	06-00062-06-PV	ST. CLAIR	80	54
FHWA REG. NO. 7 ILLINOIS		PROJECT NO. RS-0163(035)		
FEDERAL AID PROJECT		CONTRACT NO. 97457		

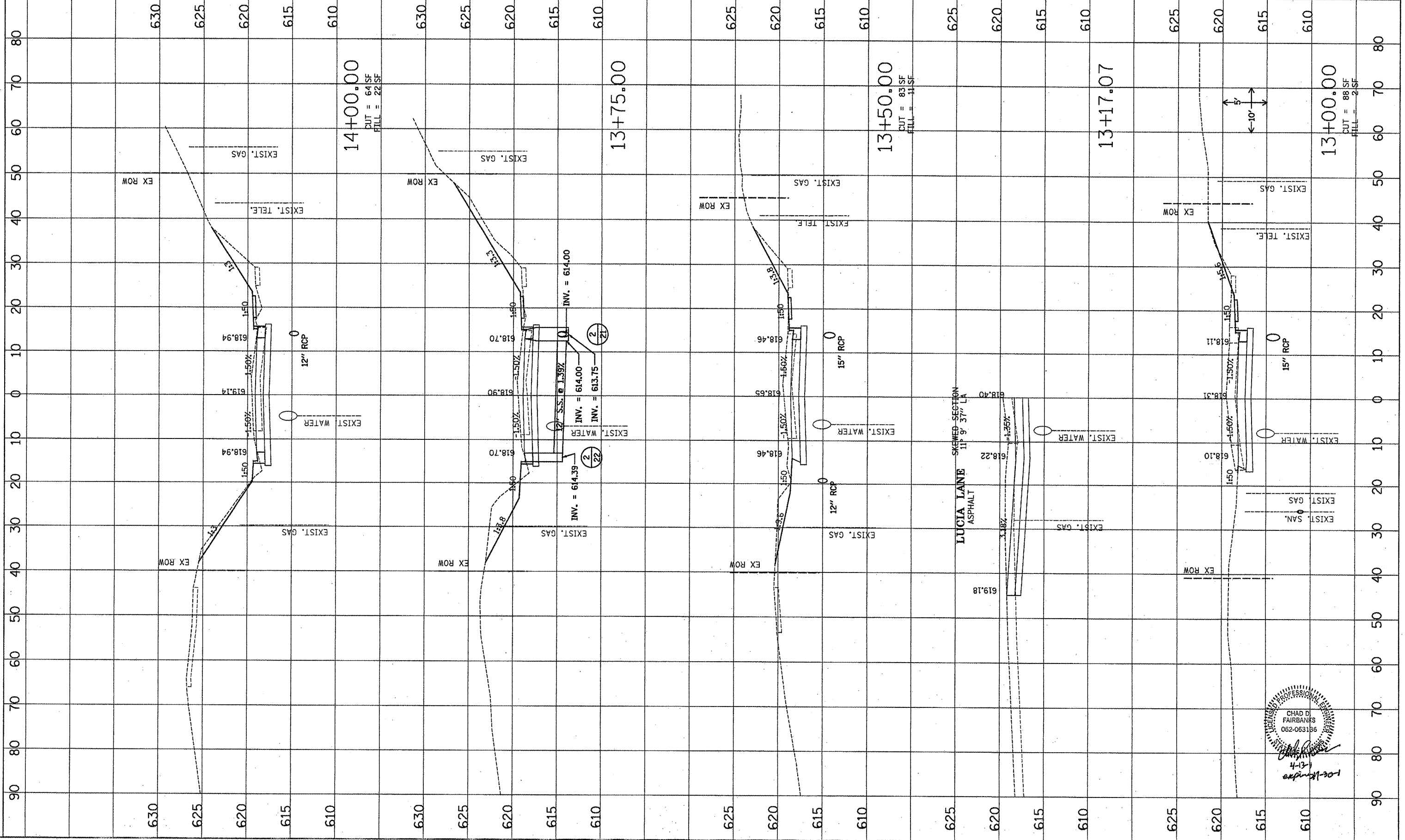
SHILOH CUT-OFF CROSS SECTIONS



12+17.00
12+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9266	06-00062-06-PV	ST. CLAIR	80	55
FHWA REG. NO. 7	ILLINOIS	PROJECT NO.	RS-0163(035)	
FEDERAL AID PROJECT	CONTRACT NO.		97457	

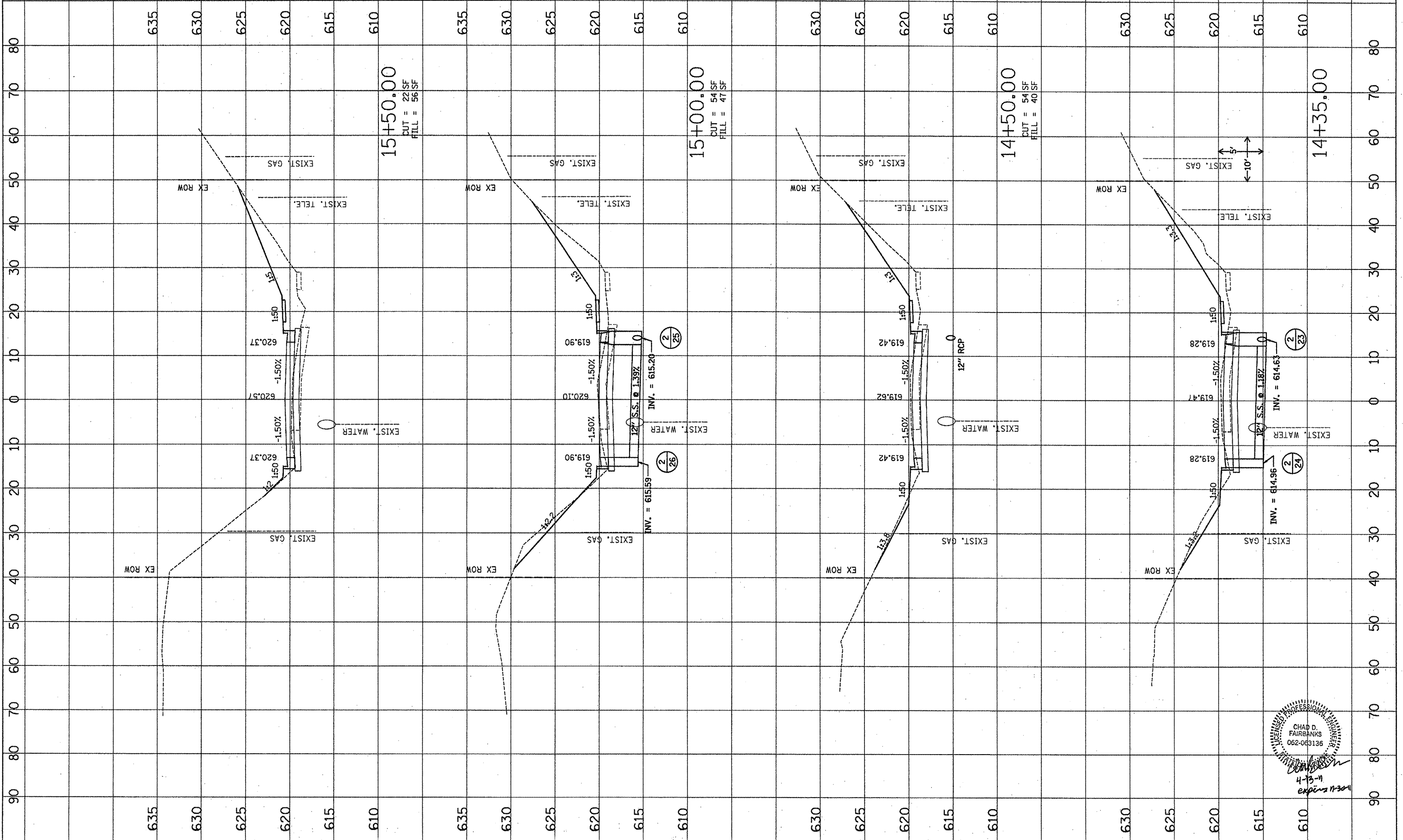
SHILOH CUT-OFF CROSS SECTIONS



CHAD D. FAIRBANKS
062-063186
Professional Engineer
4-13-14
102-Kennedy

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9266	06-0062-06-PV	ST. CLAIR	80	56
FHWA REG. NO. 7	ILLINOIS	PROJECT NO. RS-0163(035)		
FEDERAL AID PROJECT	CONTRACT NO. 97457			

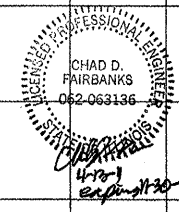
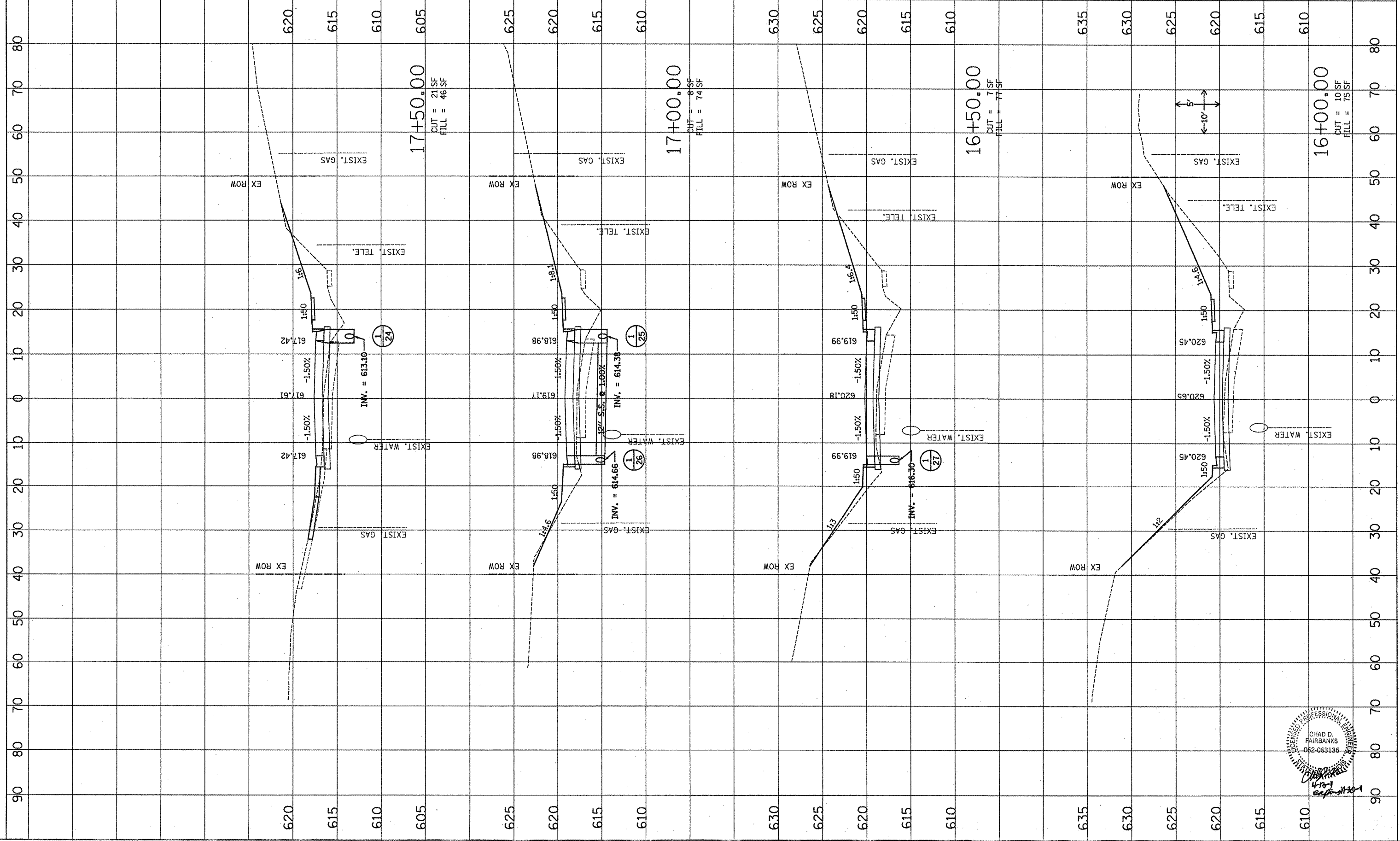
SHILOH CUT-OFF CROSS SECTIONS



CHAD D. FAIRBANKS
 062-063136
 4-13-11
 expires 11-30-11

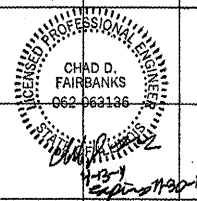
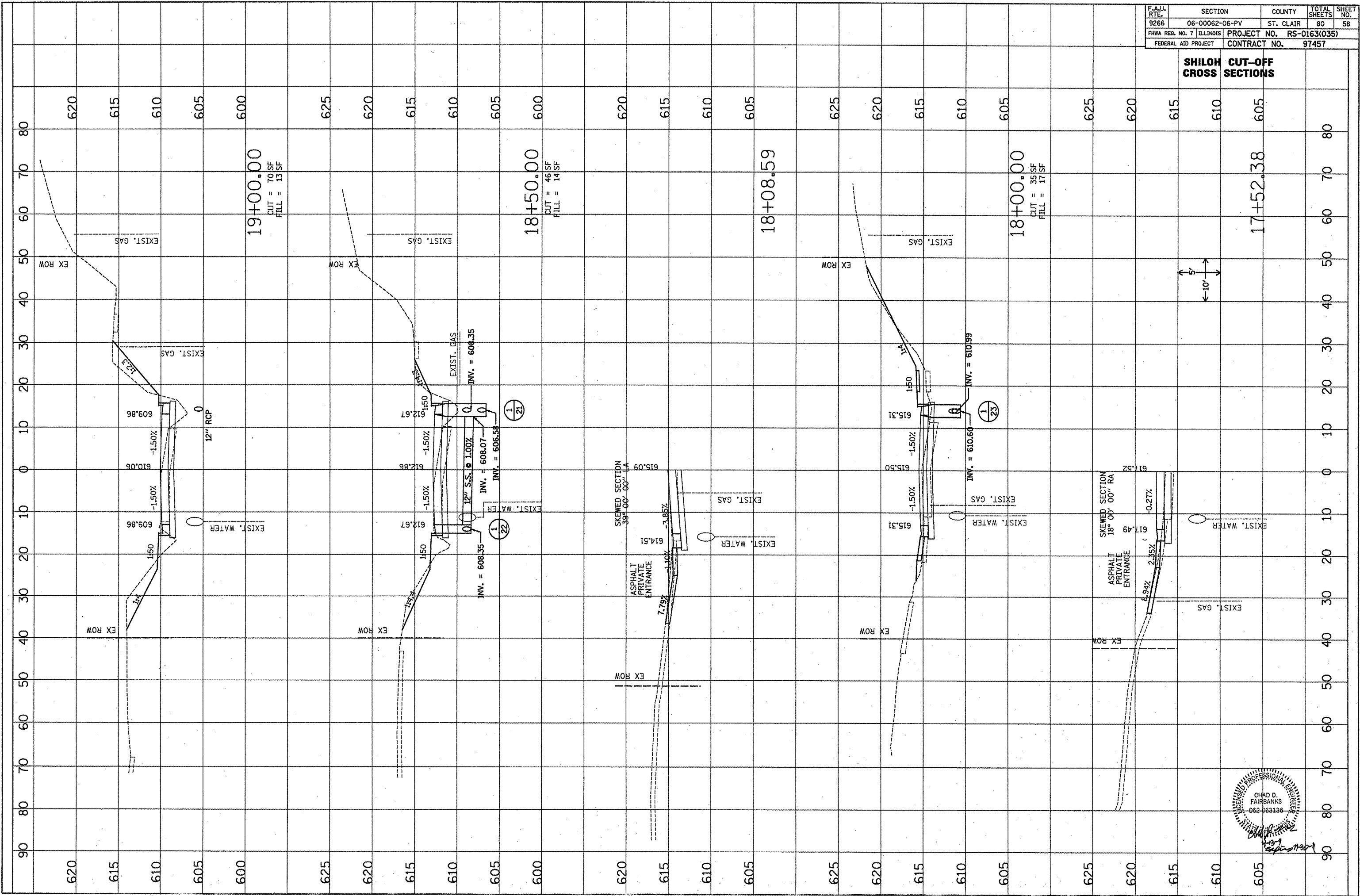
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9266	06-00062-06-PV	ST. CLAIR	80	57
FHWA REG. NO. 7	ILLINOIS	PROJECT NO.	RS-0163(035)	
FEDERAL AID PROJECT	CONTRACT NO.		97457	

SHILOH CUT-OFF CROSS SECTIONS



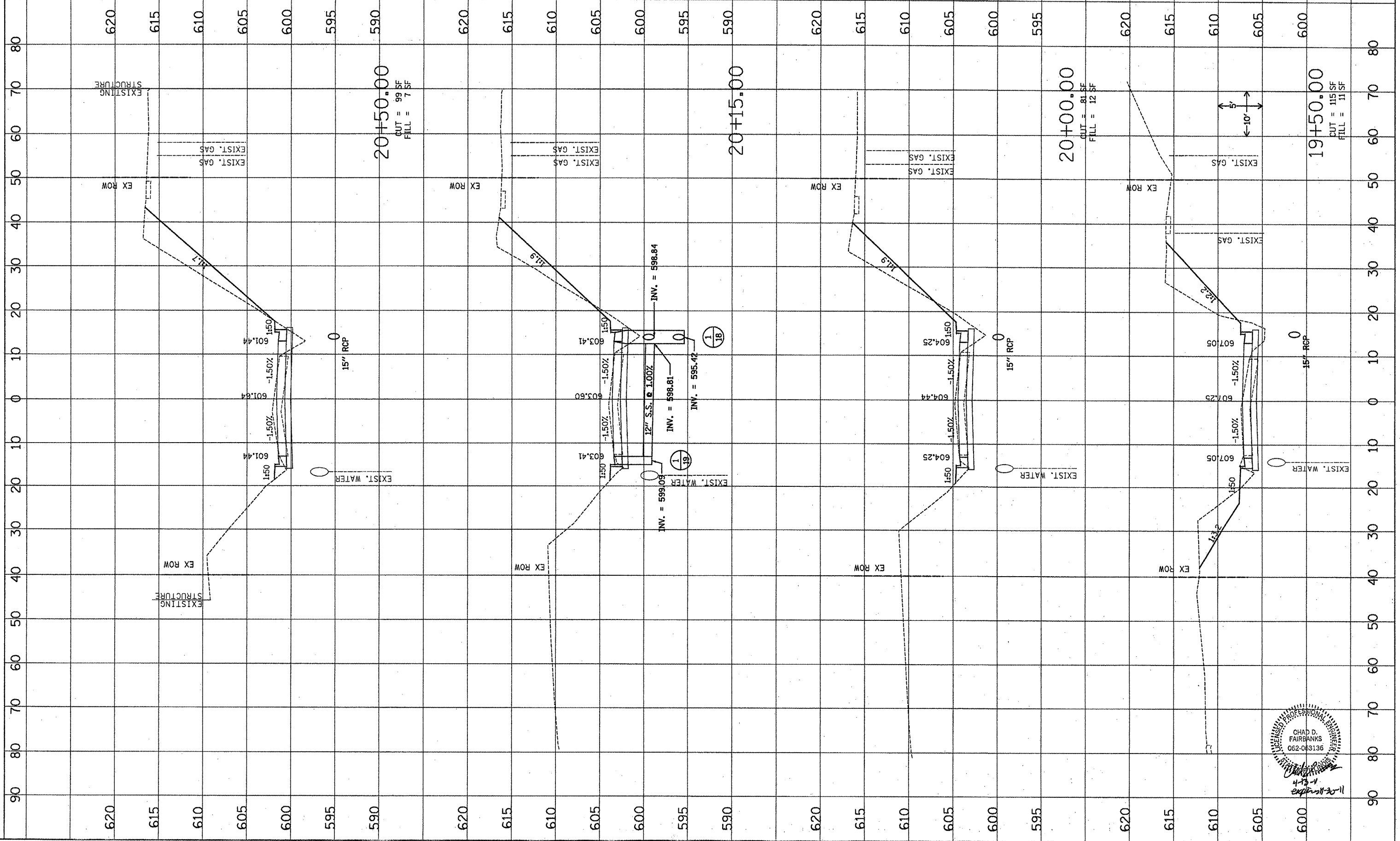
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9266	06-00062-06-PV	ST. CLAIR	80	58
FHWA REG. NO. 7 ILLINOIS		PROJECT NO. RS-0163(035)		
FEDERAL AID PROJECT		CONTRACT NO. 97457		

SHILOH CUT-OFF CROSS SECTIONS



F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9266	06-00062-06-PV	ST. CLAIR	80	59
FHWA REG. NO. 7	ILLINOIS	PROJECT NO.	RS-0163(035)	
FEDERAL AID PROJECT	CONTRACT NO.		97457	

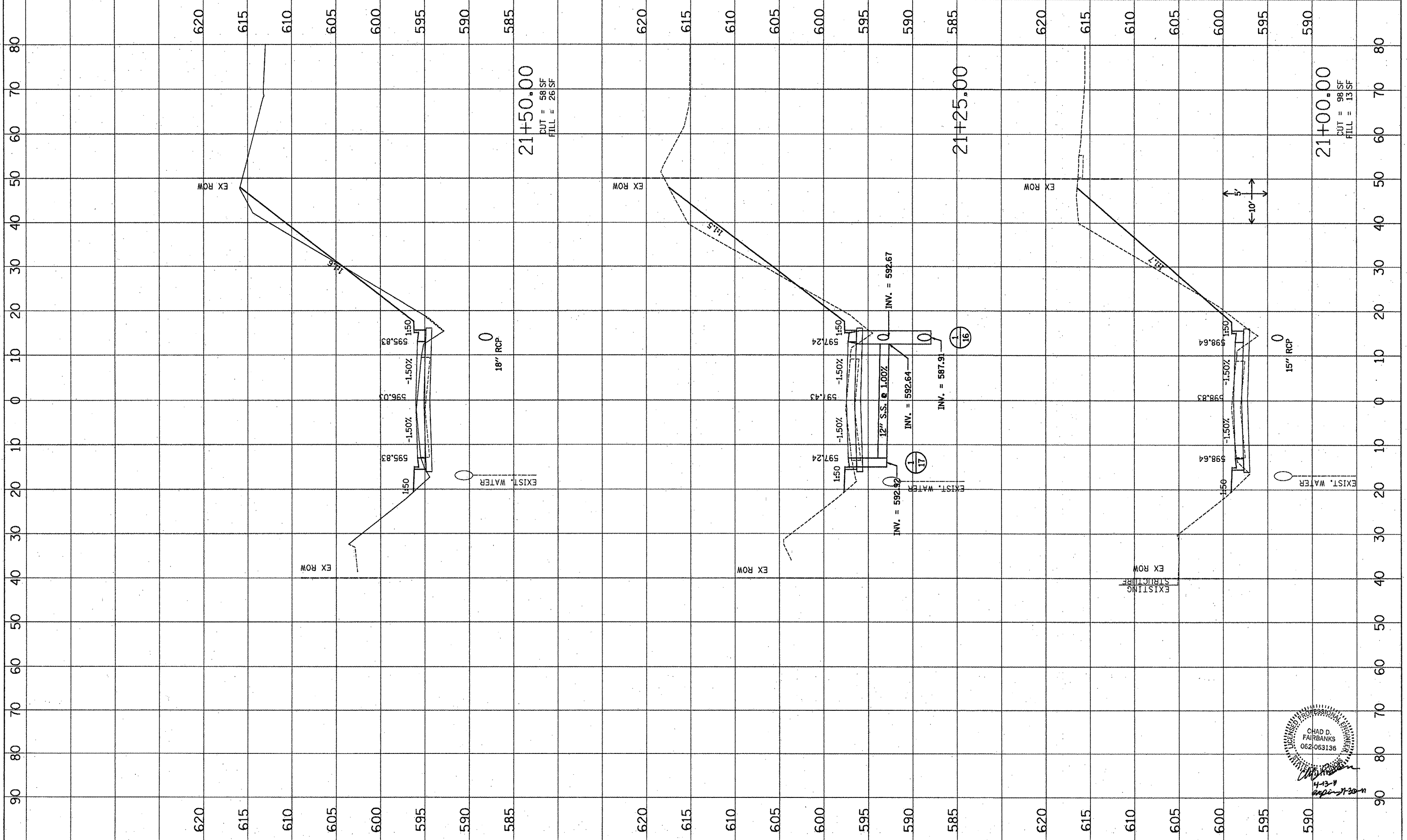
SHILOH CUT-OFF CROSS SECTIONS



CHAD D. FAIRBANKS
 LICENSED PROFESSIONAL ENGINEER
 062-063136
 4-13-11
 EXP-11-11

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9266	06-00062-06-PV	ST. CLAIR	80	60
FHWA REG. NO. 7 ILLINOIS		PROJECT NO. RS-0163(035)		
FEDERAL AID PROJECT		CONTRACT NO. 97457		

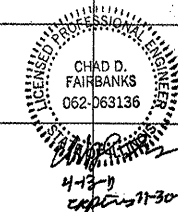
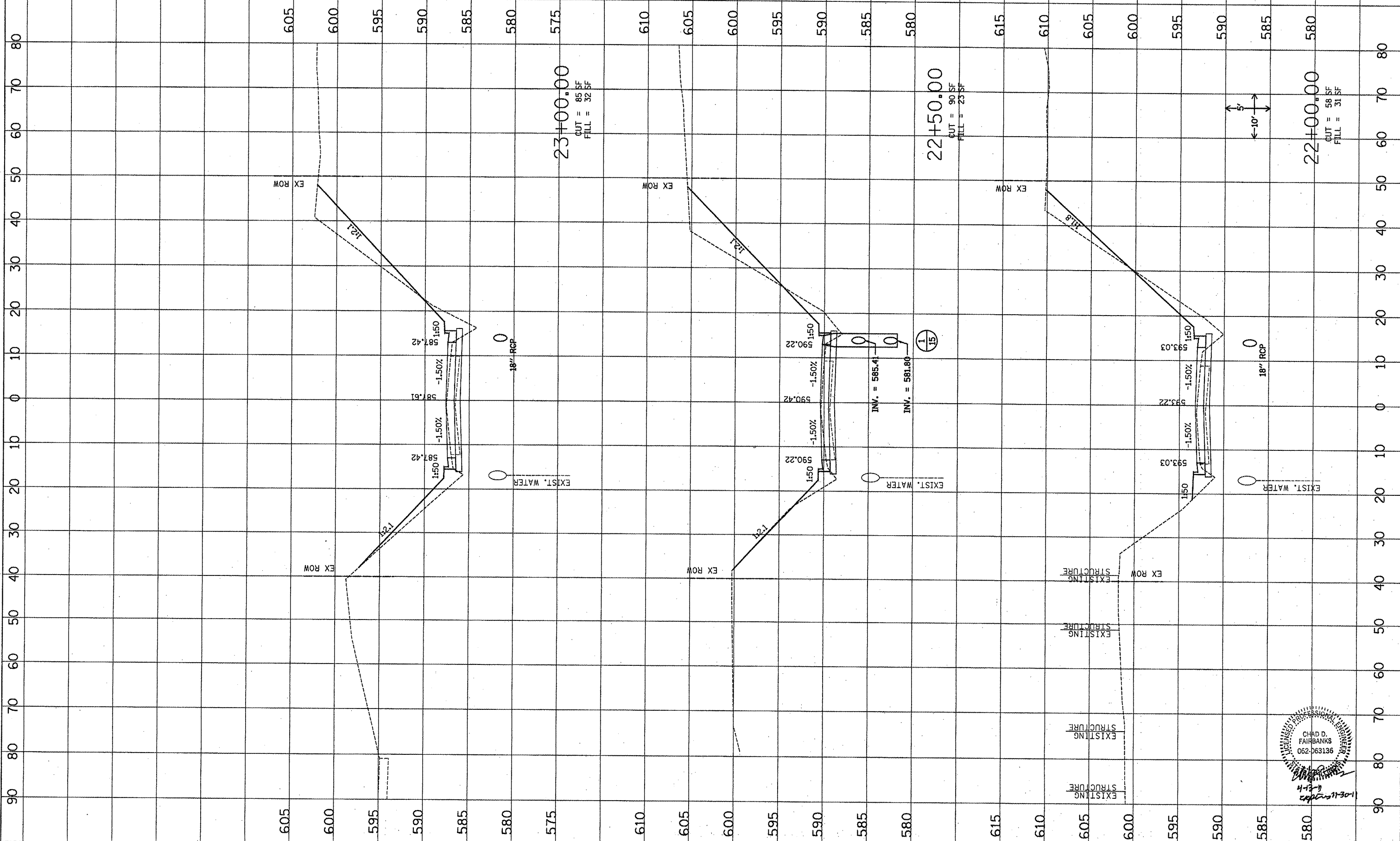
SHILOH CUT-OFF CROSS SECTIONS



CHAD D. FAIRBANKS
 062063136
 PROFESSIONAL ENGINEER
 ILLINOIS

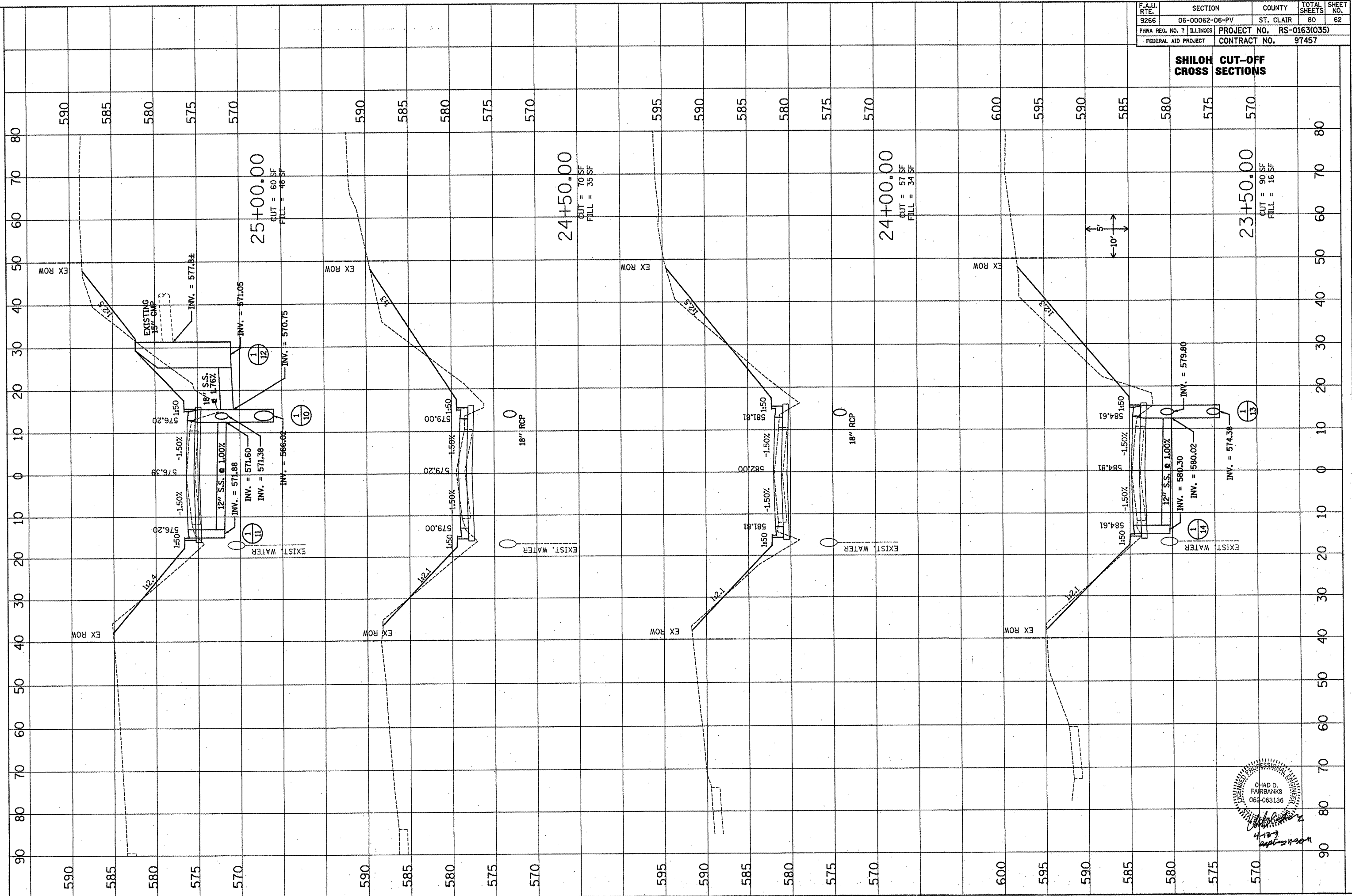
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9266	06-00062-06-PV	ST. CLAIR	80	61
FHWA REG. NO. 7 ILLINOIS		PROJECT NO. RS-0163(035)		
FEDERAL AID PROJECT		CONTRACT NO. 97457		

SHILOH CUT-OFF CROSS SECTIONS



F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9266	06-00062-06-PV	ST. CLAIR	80	62
FHWA REG. NO. 7 ILLINOIS		PROJECT NO. RS-0163(035)		
FEDERAL AID PROJECT		CONTRACT NO. 97457		

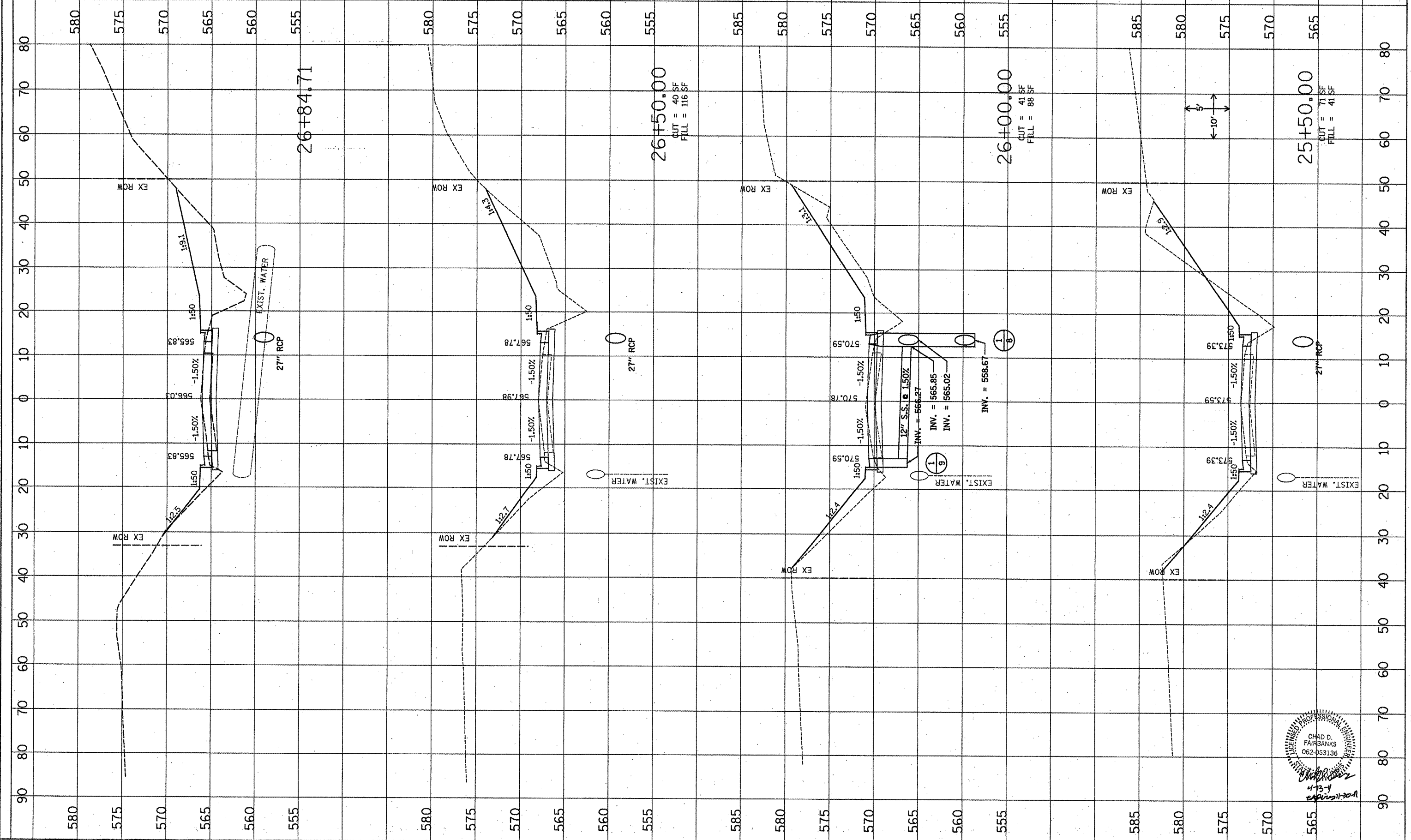
SHILOH CUT-OFF CROSS SECTIONS



CHAD D. FAIRBANKS
062-063136
Professional Engineer
Illinois State Board of Examiners
Professional Engineering
No. 062-063136
Exp. 12/31/2012

F.A.U. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9266	06-00062-06-PV	ST. CLAIR	80	63
FHWA REG. NO. 7	ILLINOIS	PROJECT NO.	RS-0163(035)	
FEDERAL AID PROJECT	CONTRACT NO.		97457	

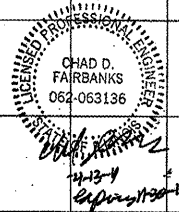
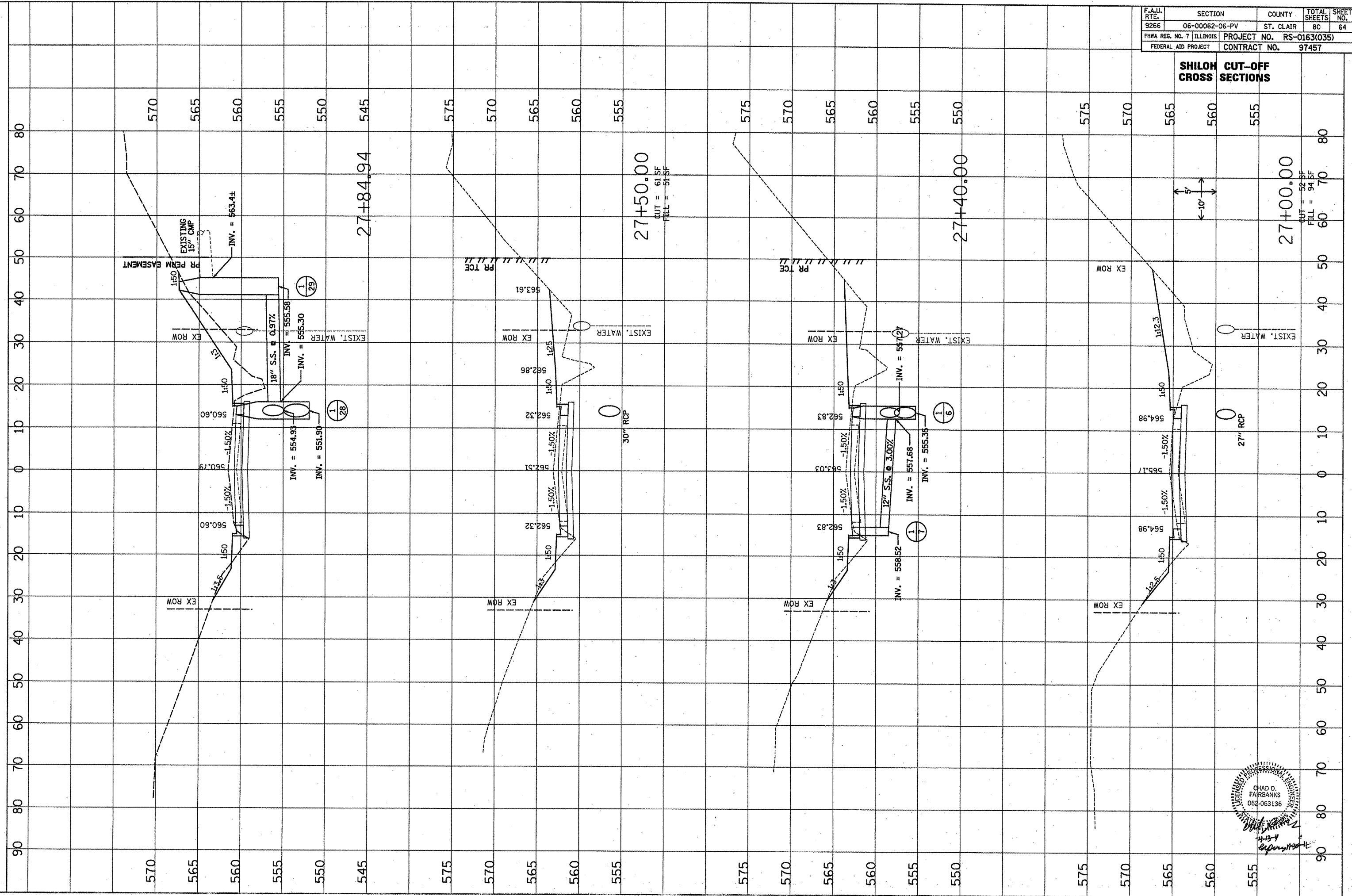
SHILOH CUT-OFF CROSS SECTIONS



CHAD D. FAIRBANKS
 062-053136
 4-13-11
 2011-11-20-11

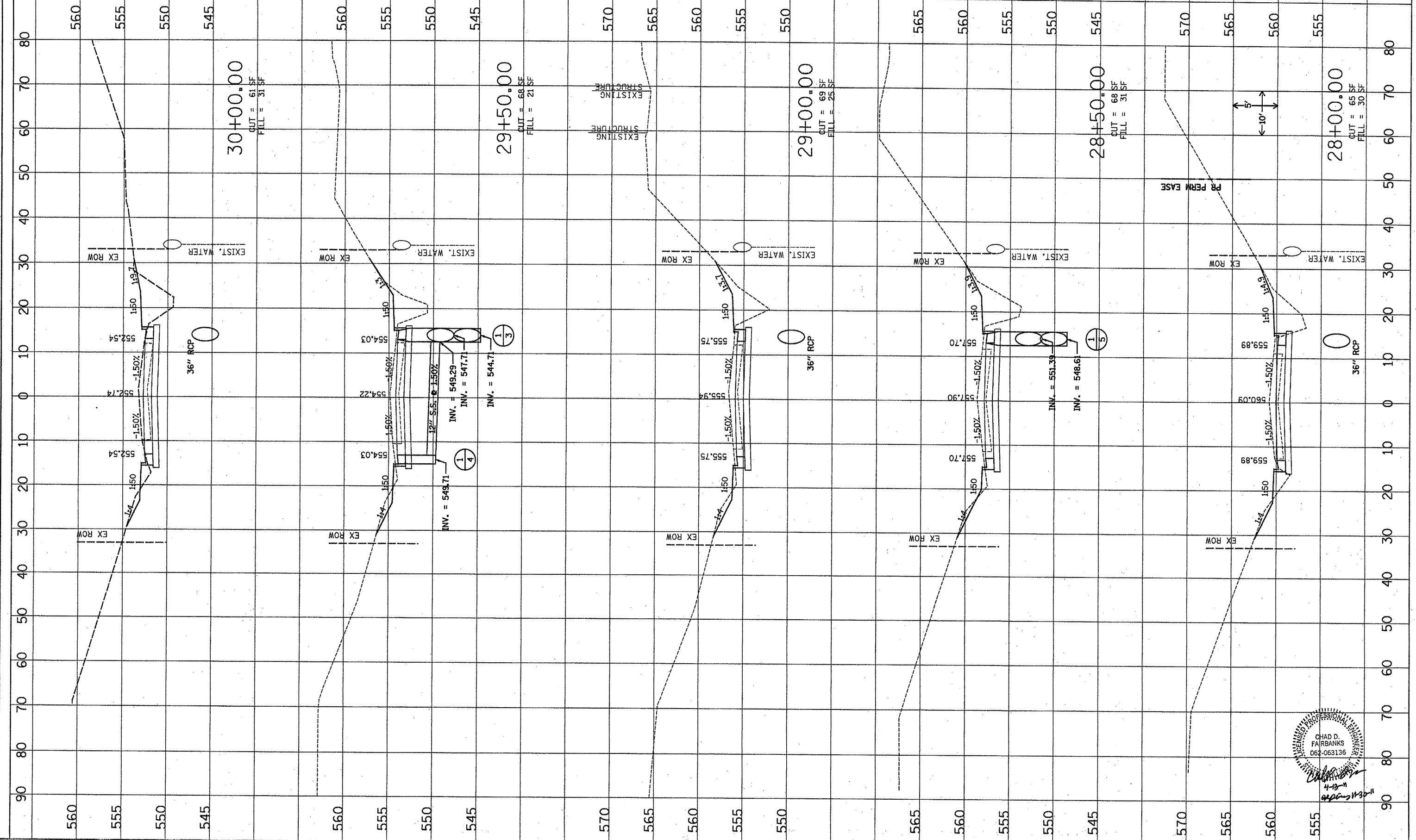
F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9266	06-00062-06-PV	ST. CLAIR	80	64
FHWA REG. NO. 7 ILLINOIS		PROJECT NO. RS-0163(035)		
FEDERAL AID PROJECT		CONTRACT NO. 97457		

SHILOH CROSS CUTS



F.A.U. RTE. 9266	SECTION 06-00062-06-PV	COUNTY ST. CLAIR	TOTAL SHEETS 80	SHEET NO. 65
FHWA REG. NO. 7 ILLINOIS		PROJECT NO. RS-0163(035)		
FEDERAL AID PROJECT		CONTRACT NO. 97457		

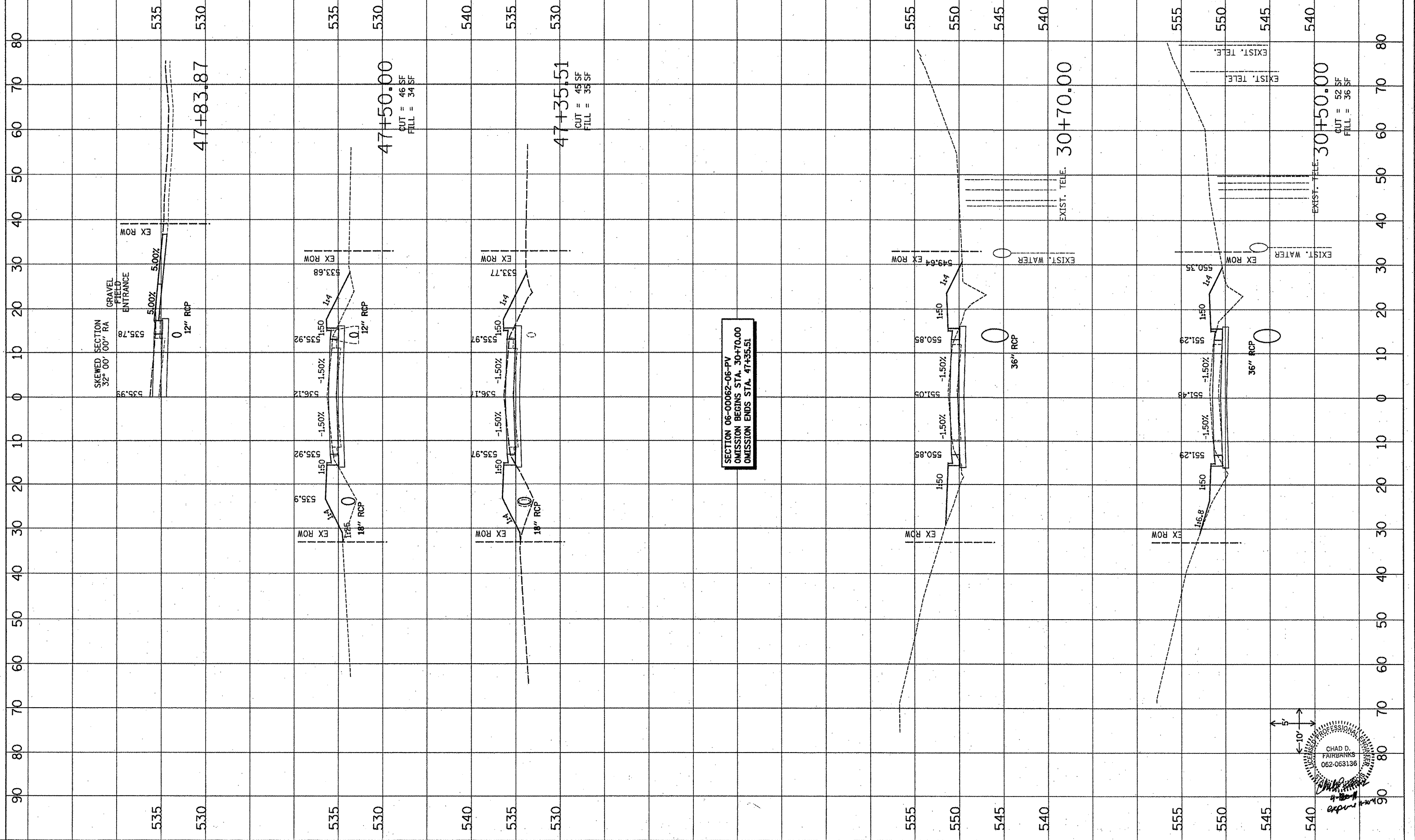
SHILOH CUT-OFF CROSS SECTIONS



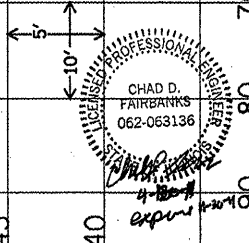
CHAD D. FAIRBANKS
062-063136
4-13-11
4-13-11

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9266	06-00062-06-PV	ST. CLAIR	80	66
FHWA REG. NO. 7	ILLINOIS	PROJECT NO.	RS-0163(035)	
FEDERAL AID PROJECT	CONTRACT NO.		97457	

SHILOH CUT-OFF CROSS SECTIONS

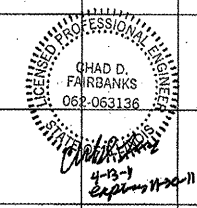
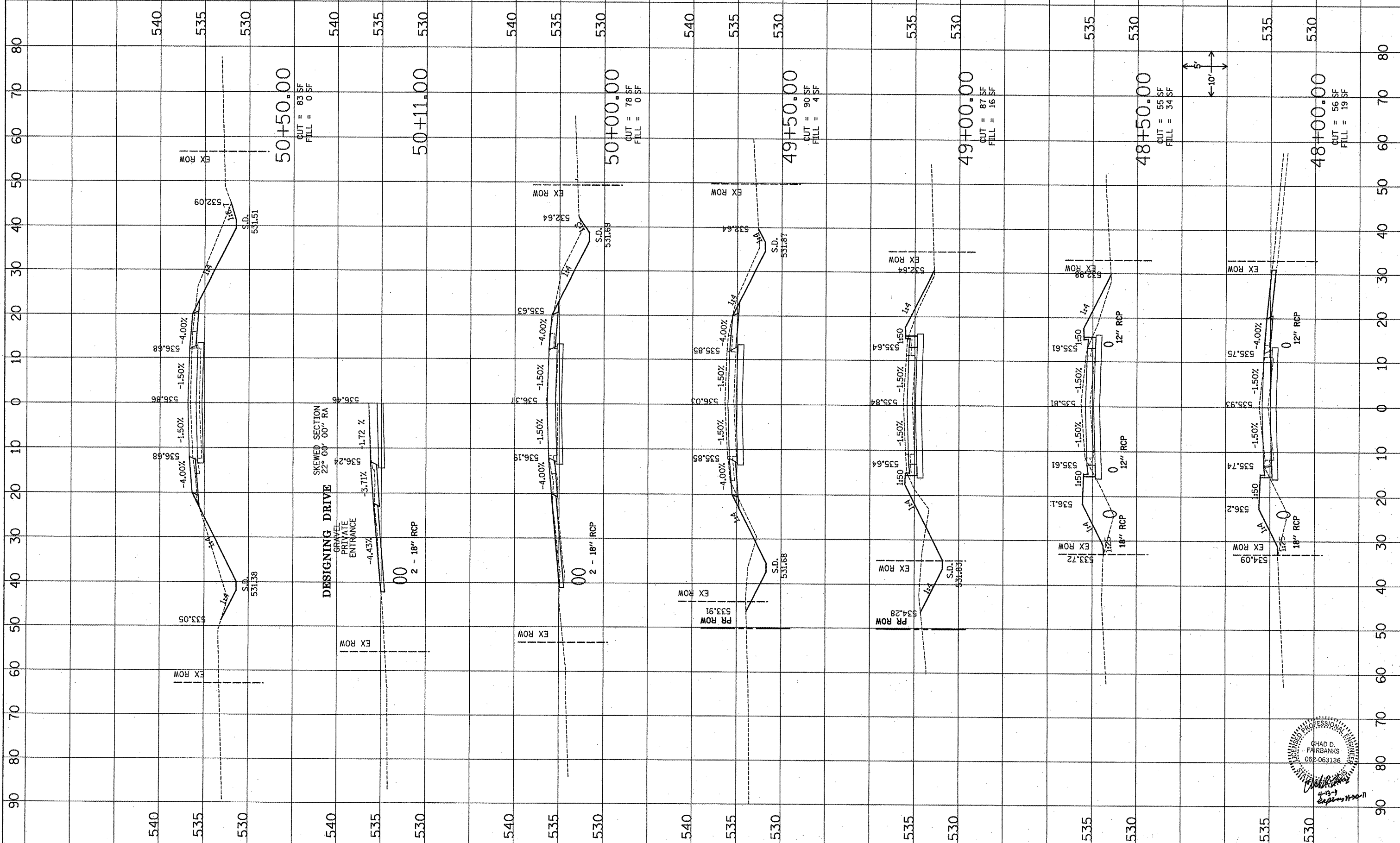


SECTION 06-00062-06-PV
 OMISSION BEGINS STA. 30+70.00
 OMISSION ENDS STA. 47+35.51



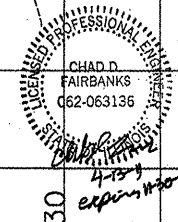
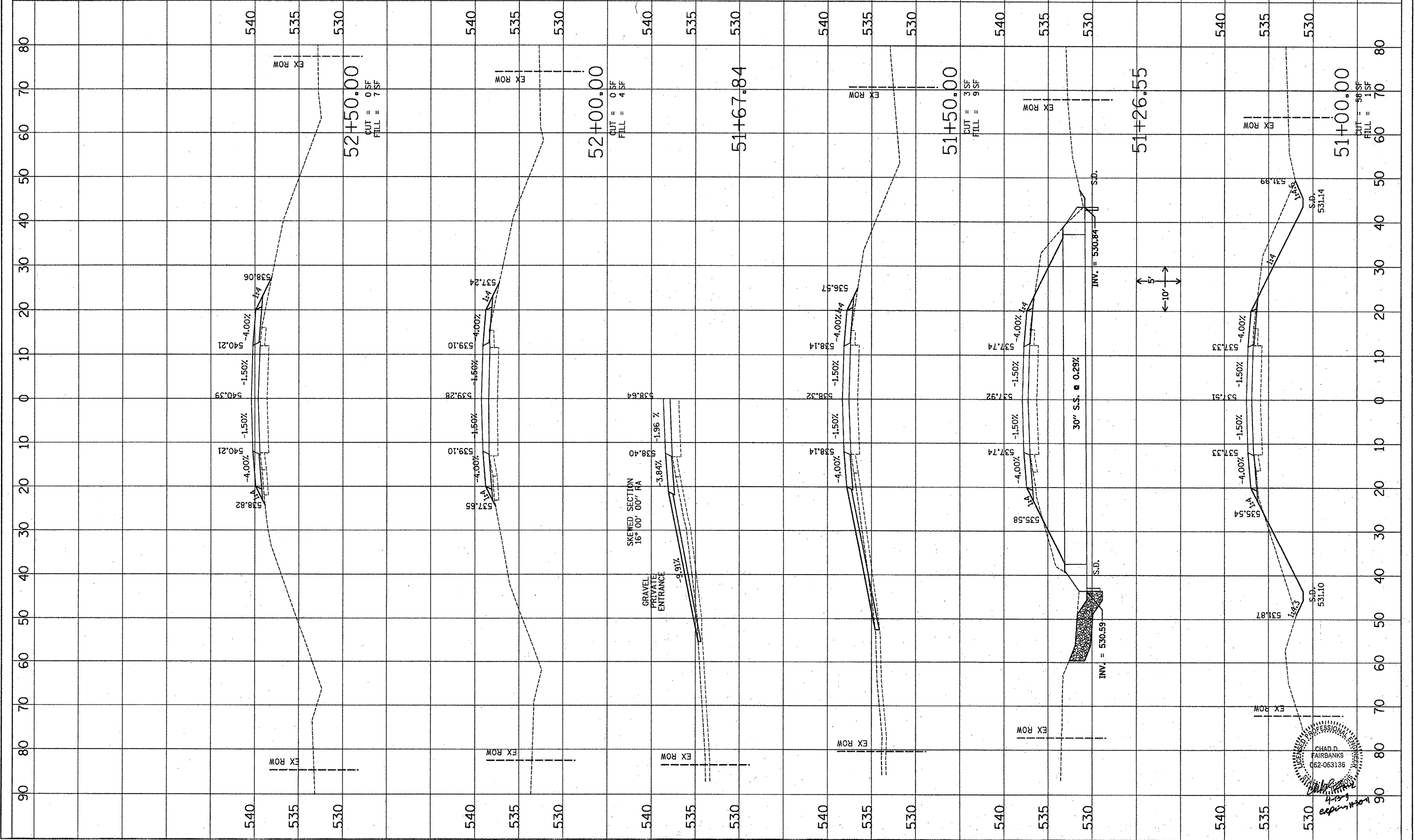
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9266	06-00062-06-PV	ST. CLAIR	80	67
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FEDERAL AID PROJECT	CONTRACT NO.		97457	

SHILOH CUT-OFF CROSS SECTIONS



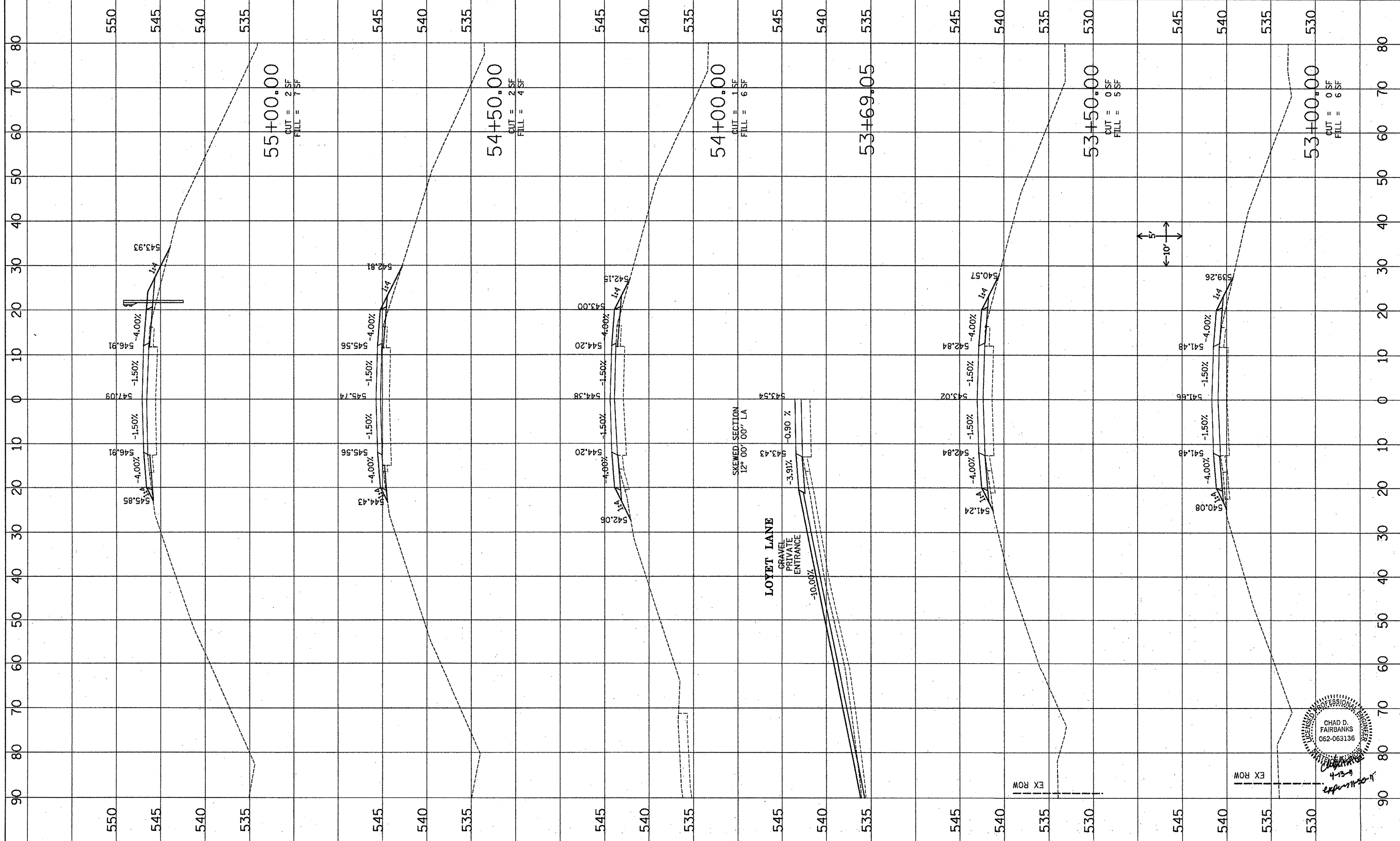
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9266	06-00062-06-PV	ST. CLAIR	80	68
FHWA REG. NO. 7	ILLINOIS	PROJECT NO.	RS-0163(035)	
FEDERAL AID PROJECT	CONTRACT NO.		97457	

SHILOH CUT-OFF CROSS SECTIONS



F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9266	06-00062-06-PV	ST. CLAIR	80	69
FHWA REG. NO. 7 ILLINOIS		PROJECT NO. RS-0163(035)		
FEDERAL AID PROJECT		CONTRACT NO. 97457		

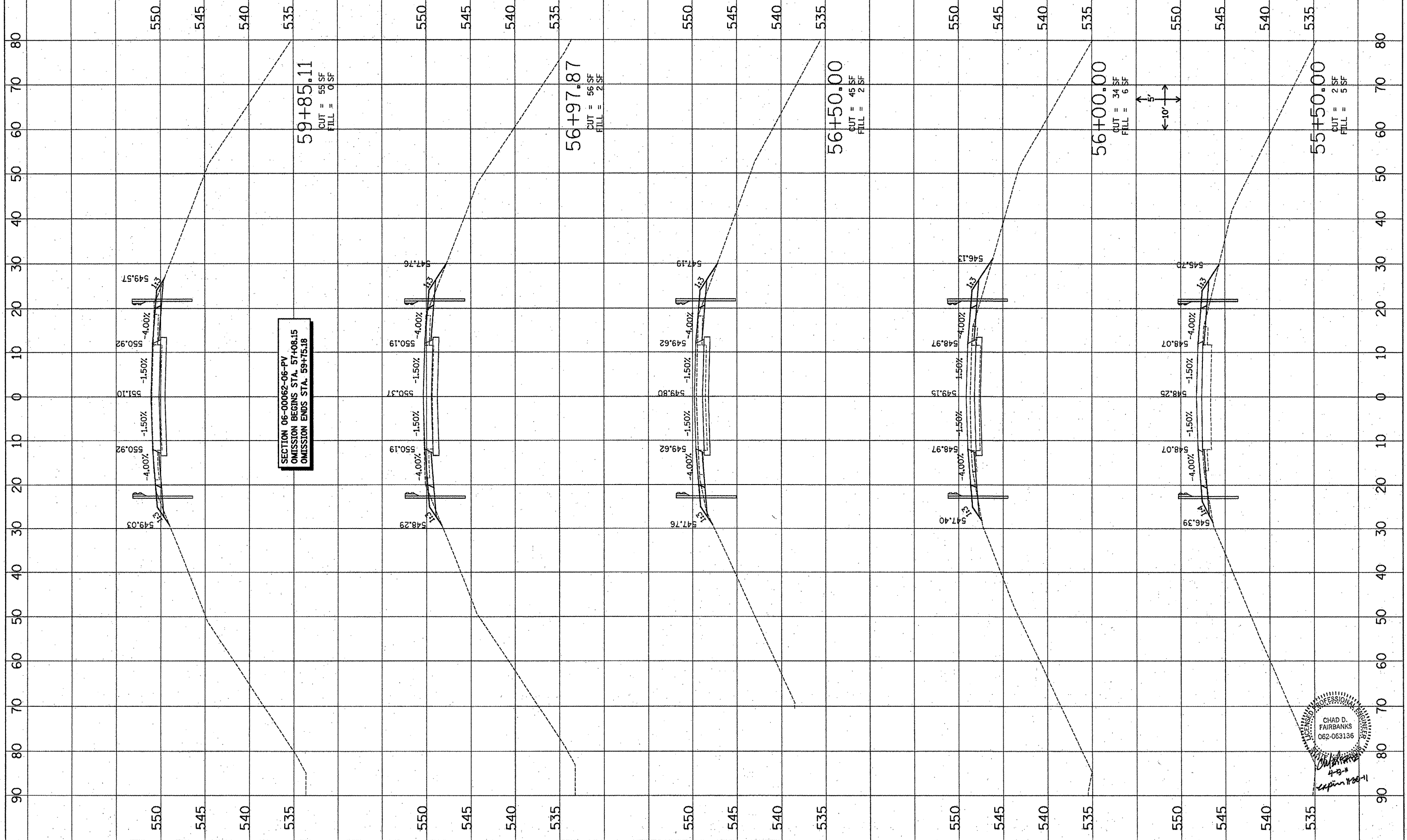
SHILOH CUT-OFF CROSS SECTIONS



CHAD D. FAIRBANKS
062-063136

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9266	06-00062-06-PV	ST. CLAIR	80	70
FHWA REG. NO. 7	ILLINOIS	PROJECT NO.	RS-0163(035)	
FEDERAL AID PROJECT	CONTRACT NO.		97457	

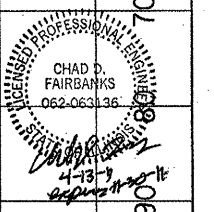
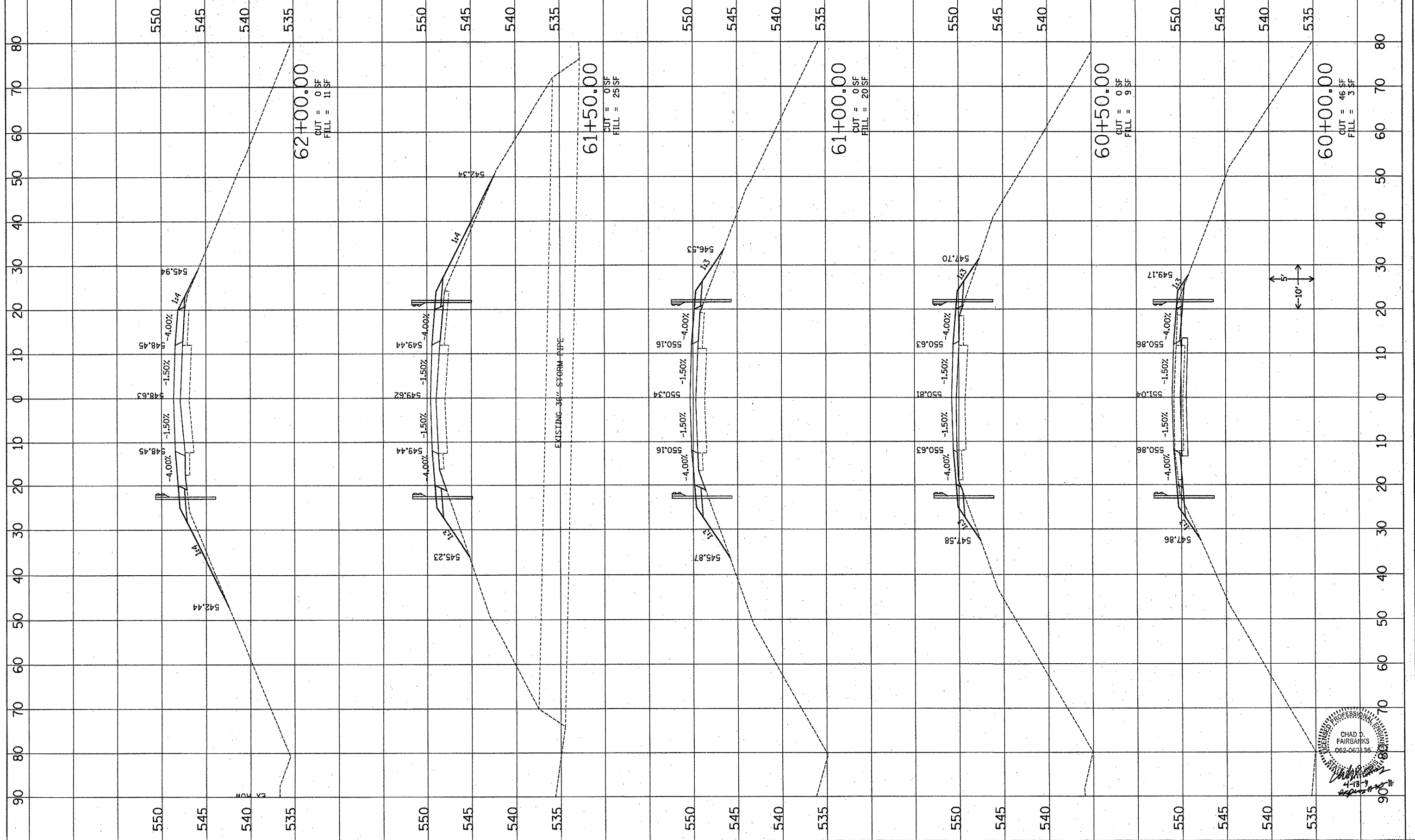
SHILOH CUT-OFF CROSS SECTIONS



CHAD D. FAIRBANKS
062-063136

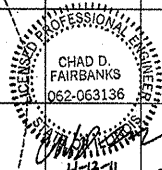
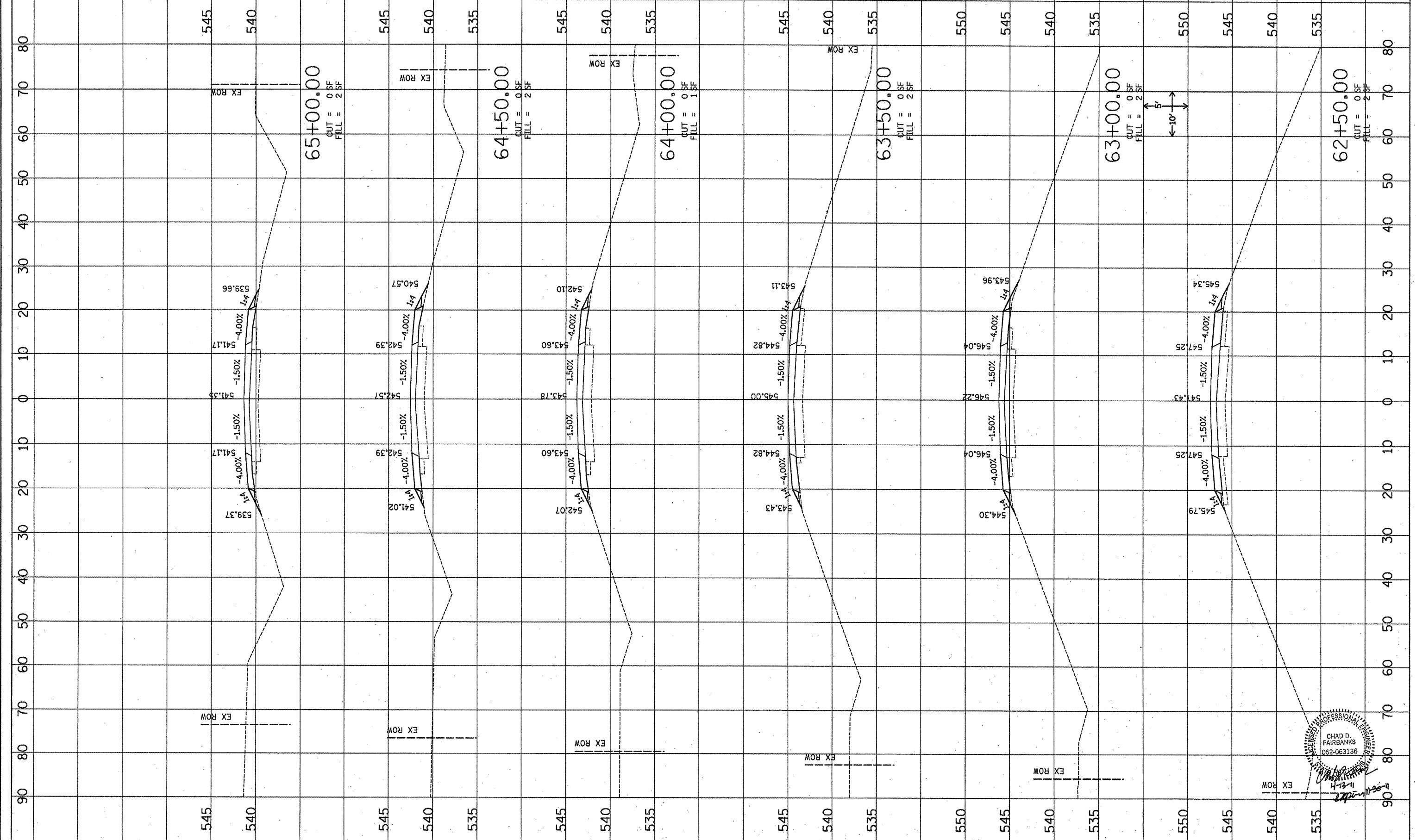
F.A.I. R.F.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9266	06-00062-06-PV	ST. CLAIR	80	71
FHWA REG. NO. 7	ILLINOIS	PROJECT NO.	RS-0163(035)	
FEDERAL AID PROJECT	CONTRACT NO.		97457	

**SHILOH CUT-OFF
CROSS SECTIONS**



F.A.U. No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9266	06-00062-06-PV	ST. CLAIR	80	72
FHWA REG. NO. 7	ILLINOIS	PROJECT NO.	RS-0163(035)	
FEDERAL AID PROJECT	CONTRACT NO.		97457	

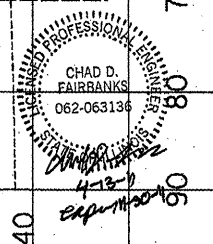
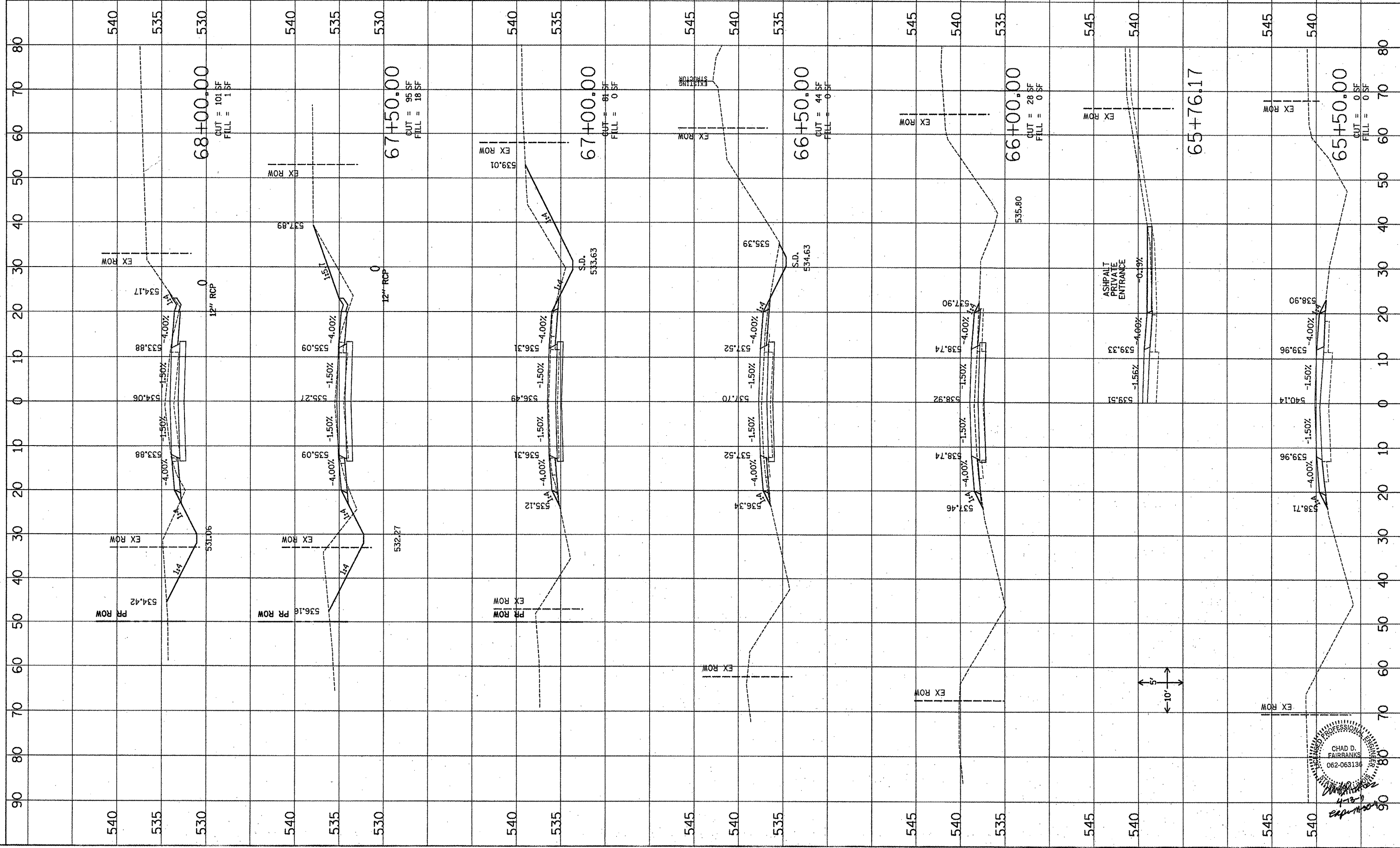
SHILOH CUT-OFF CROSS SECTIONS



11-21-14
 [Signature]
 EX ROW

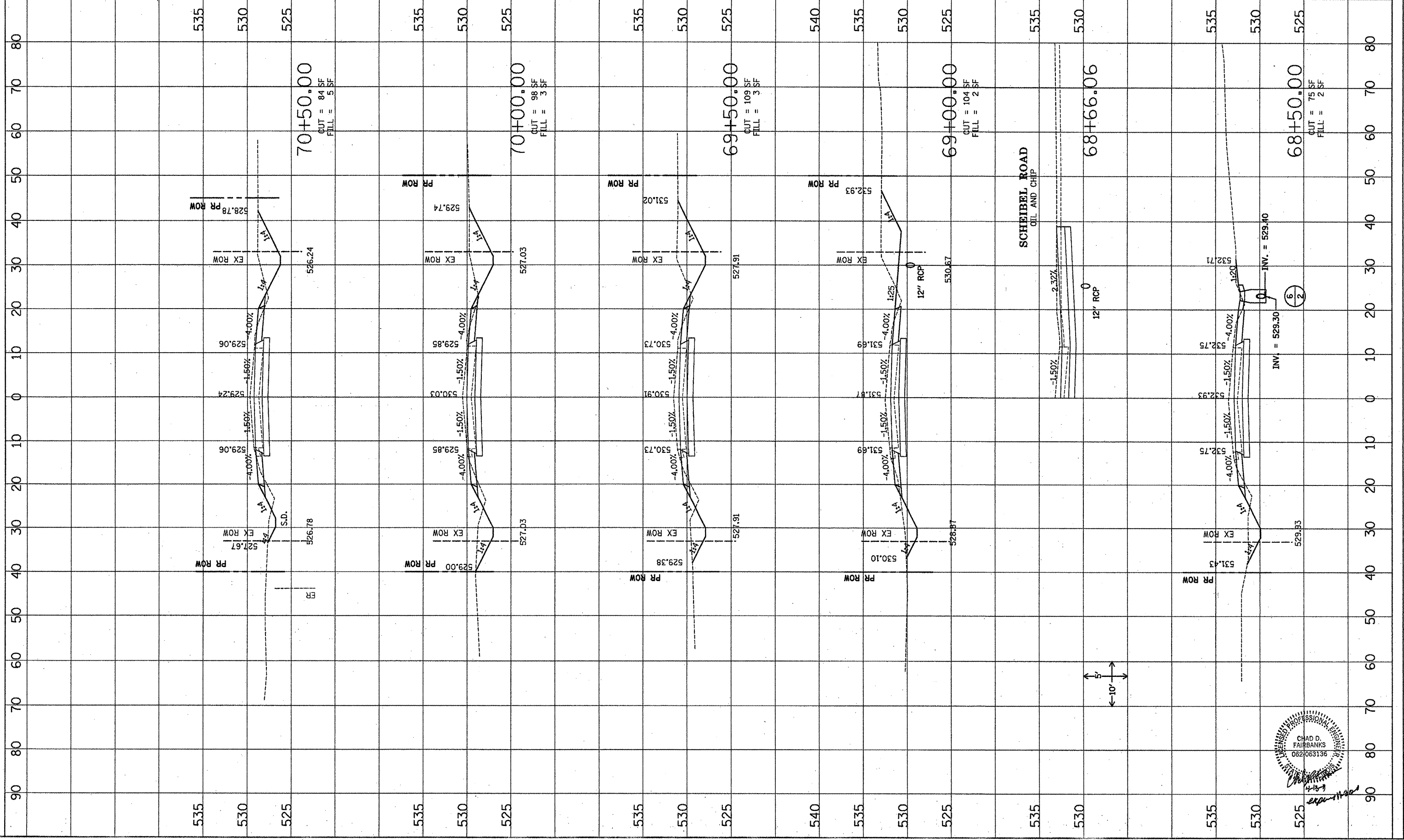
F.A.D. SHEETS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9266	06-00062-06-PV	ST. CLAIR	80	73
FHWA REG. NO. 7	ILLINOIS	PROJECT NO.	RS-0163(035)	
FEDERAL AID PROJECT	CONTRACT NO.		97457	

SHILOH CUT-OFF CROSS SECTIONS

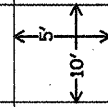
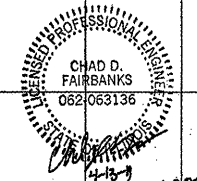


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9266	06-00062-06-PV	ST. CLAIR	80	74
FHWA REG. NO. 7	ILLINOIS	PROJECT NO.	RS-0163(035)	
FEDERAL AID PROJECT	CONTRACT NO.			97457

SHILOH CUT-OFF CROSS SECTIONS

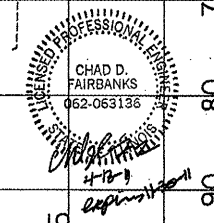
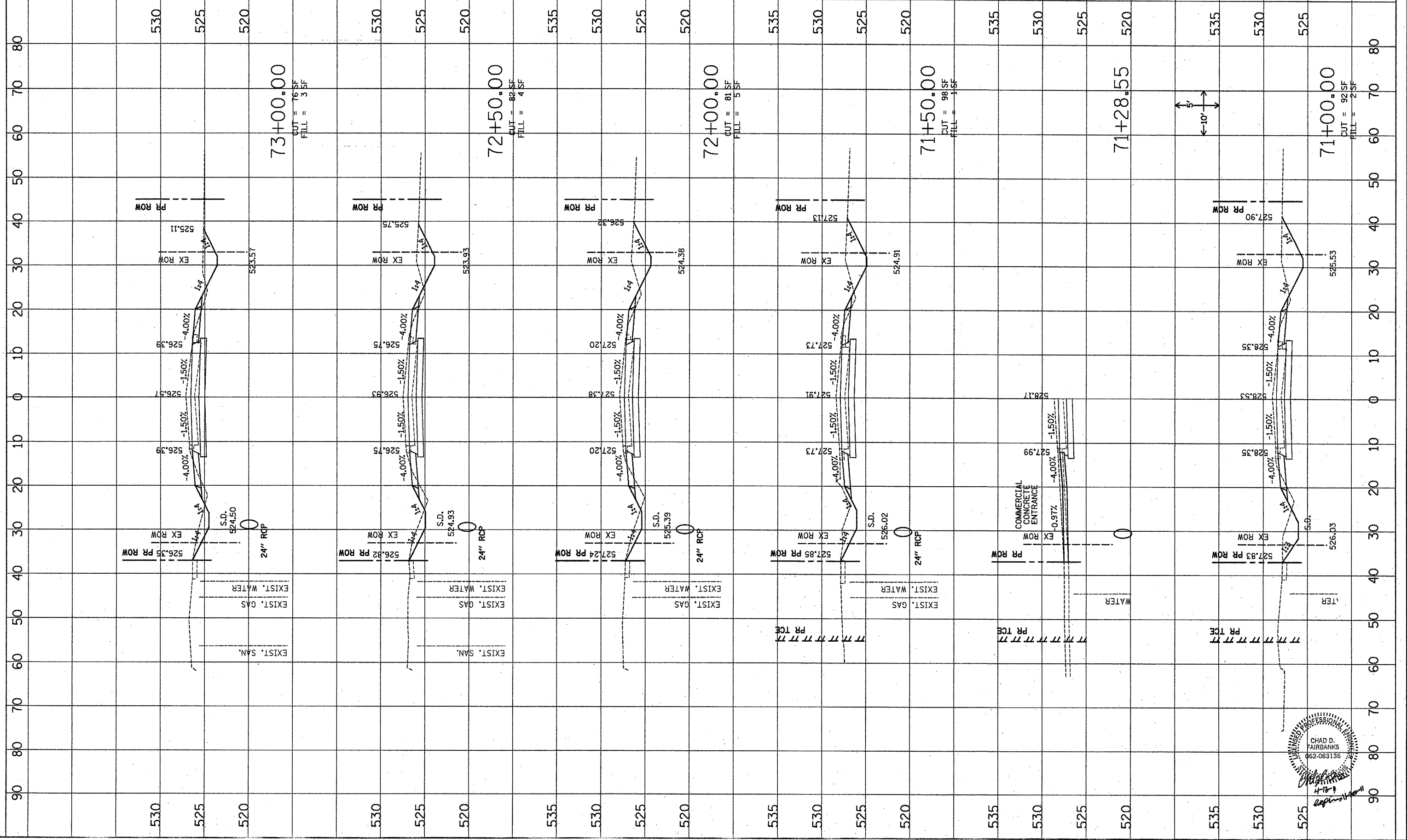


SCHEIBEL ROAD
OIL AND CHIP



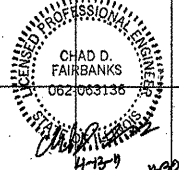
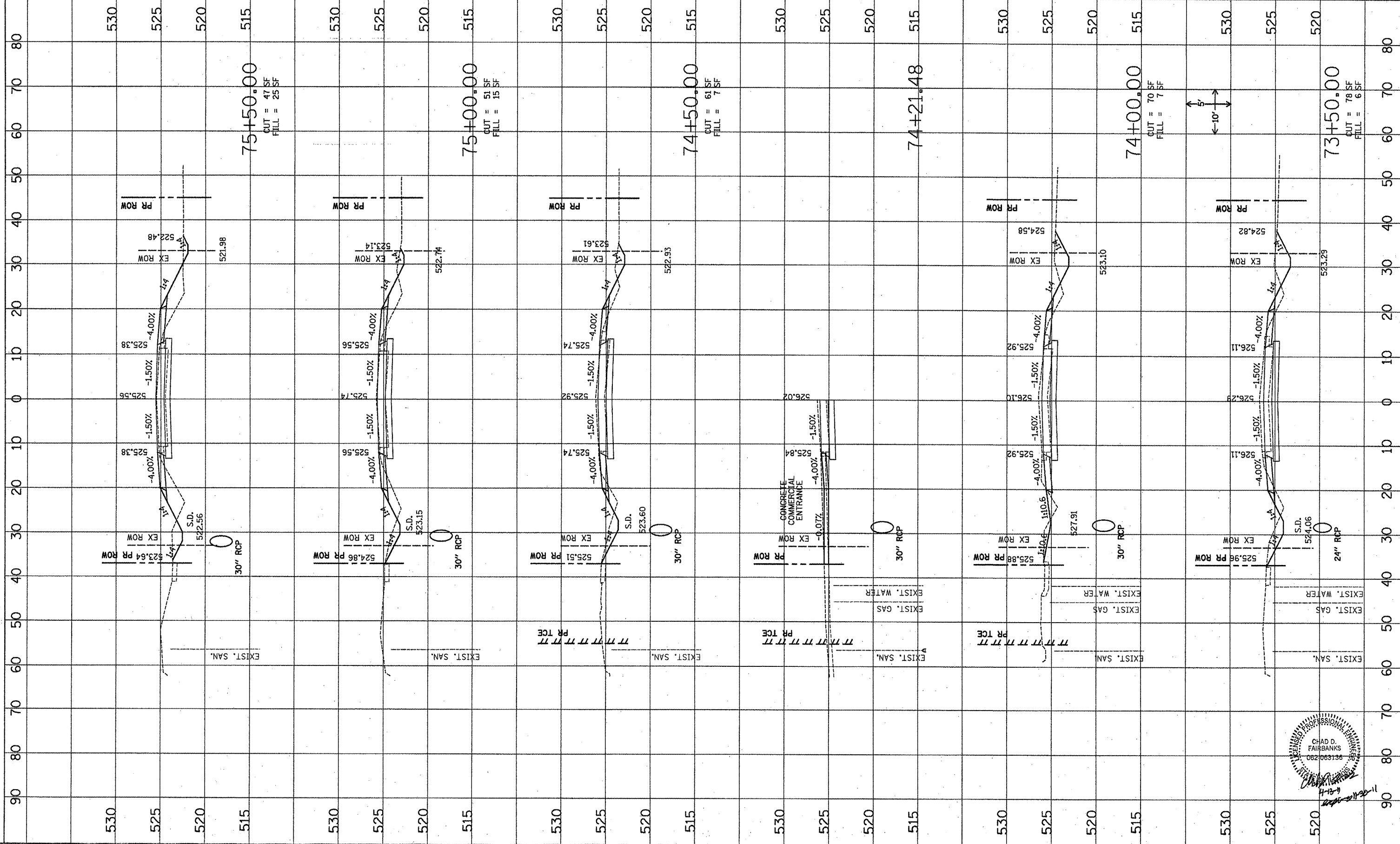
F.A.L. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9266	06-00062-06-PV	ST. CLAIR	80	75
FHWA REG. NO. 7	ILLINOIS	PROJECT NO.	RS-0163(035)	
FEDERAL AID PROJECT	CONTRACT NO.		97457	

SHILOH CUT-OFF CROSS SECTIONS



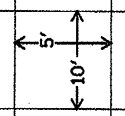
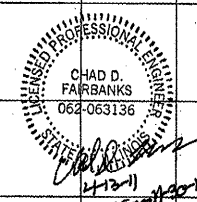
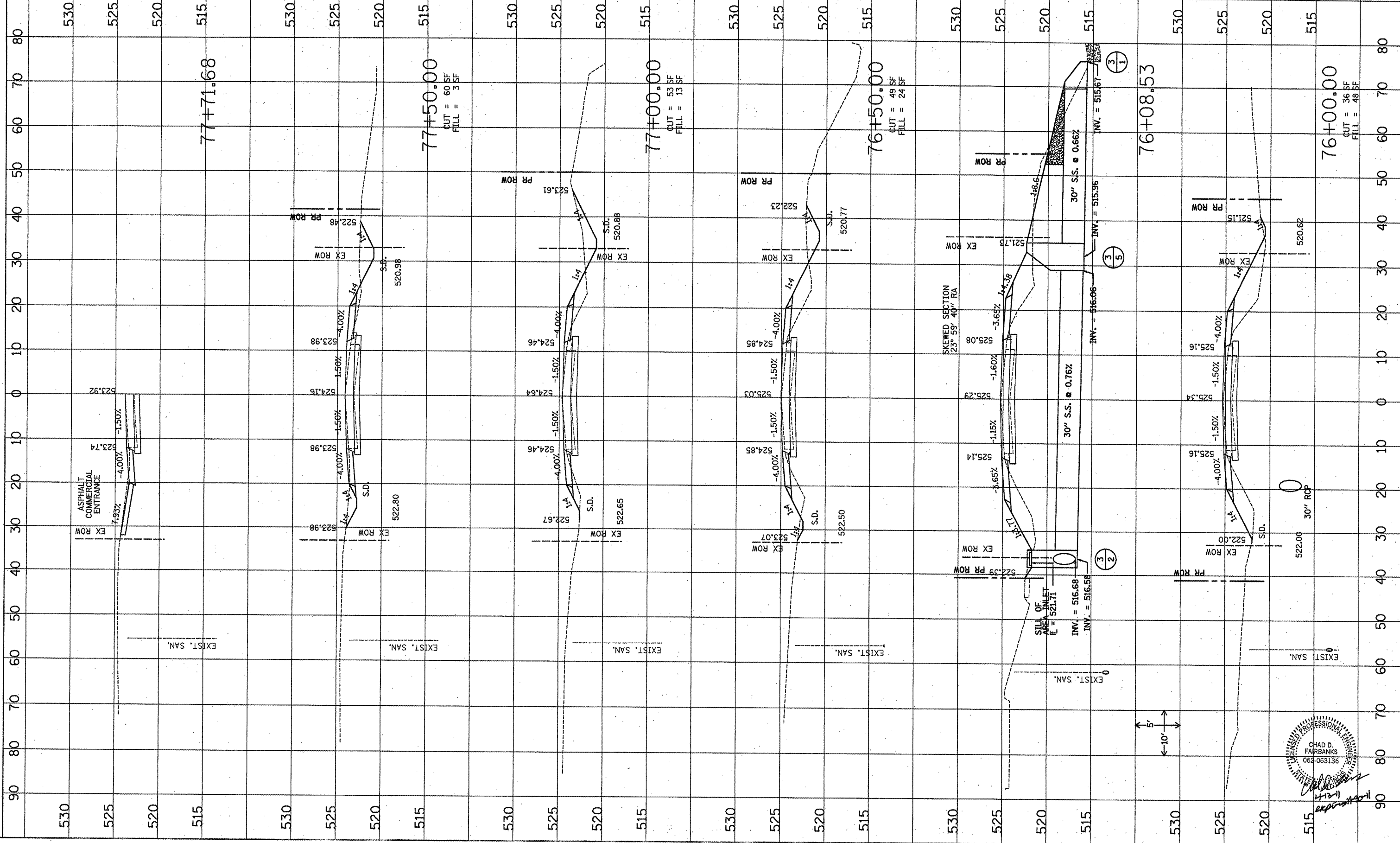
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FHWA REG. NO. 7 ILLINOIS		PROJECT NO. RS-0163(035)		
FEDERAL AID PROJECT		CONTRACT NO. 97457		

SHILOH CUT-OFF CROSS SECTIONS



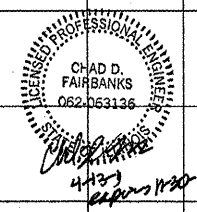
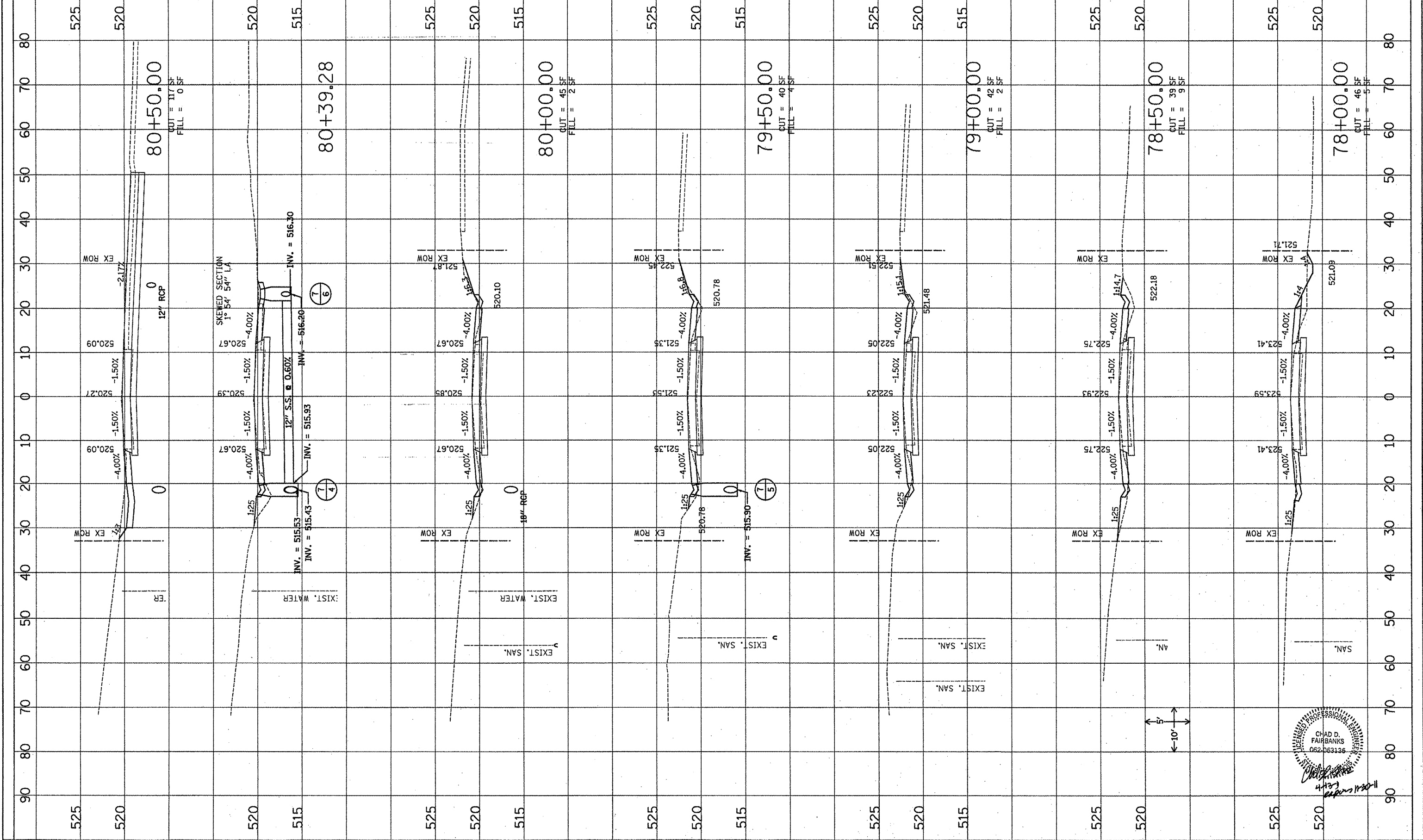
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9266	06-00062-06-PV	ST. CLAIR	80	77
FHWA REG. NO. 7	ILLINOIS	PROJECT NO.	RS-0163(035)	
FEDERAL AID PROJECT	CONTRACT NO.		97457	

SHILOH CUT-OFF CROSS SECTIONS



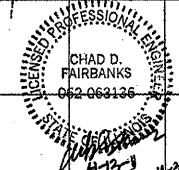
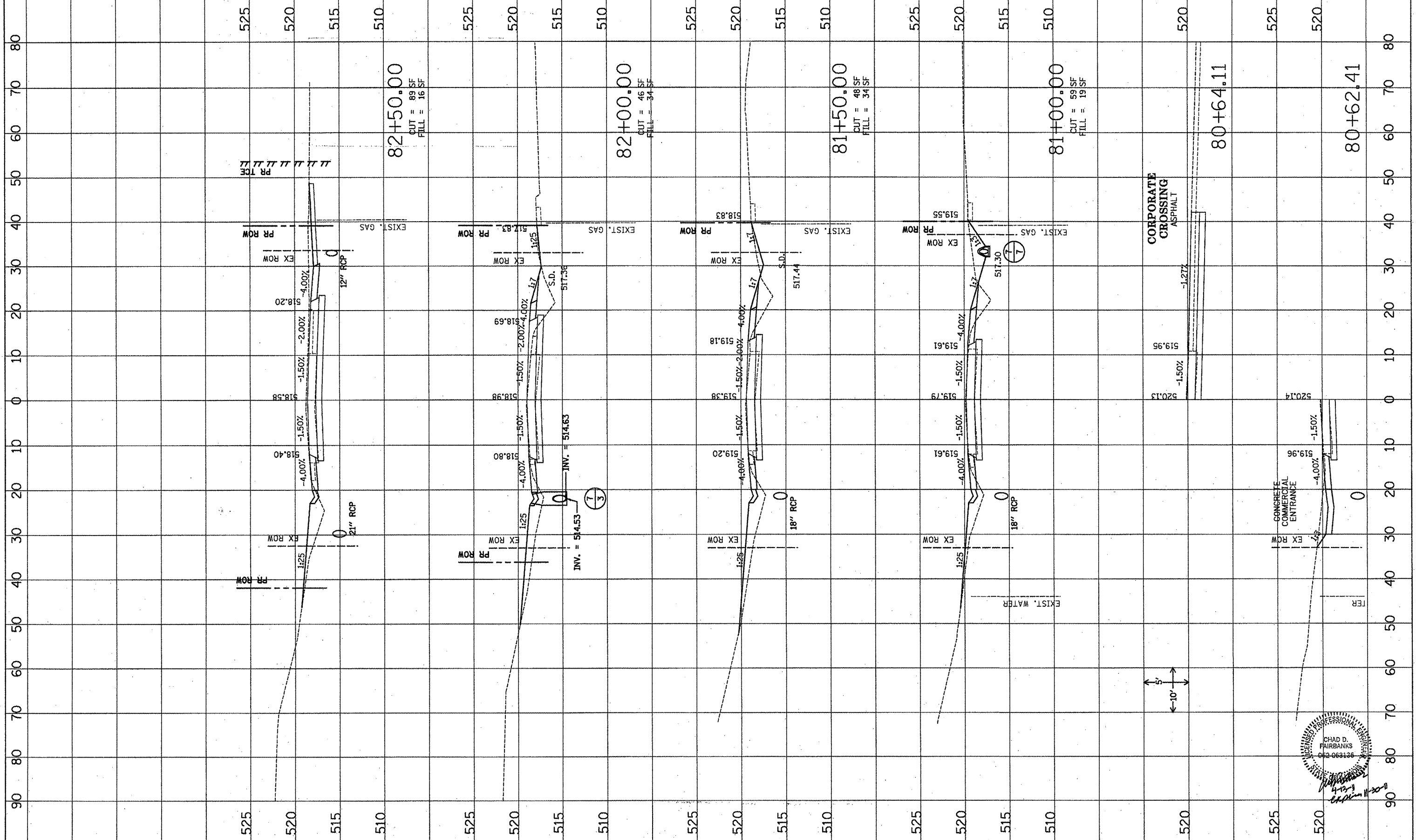
F.A.L. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9266	06-00062-06-PV	ST. CLAIR	80	78
FHWA REG. NO. 7	ILLINOIS	PROJECT NO.	RS-0163(035)	
FEDERAL AID PROJECT	CONTRACT NO.		97457	

SHILOH CUT-OFF CROSS SECTIONS



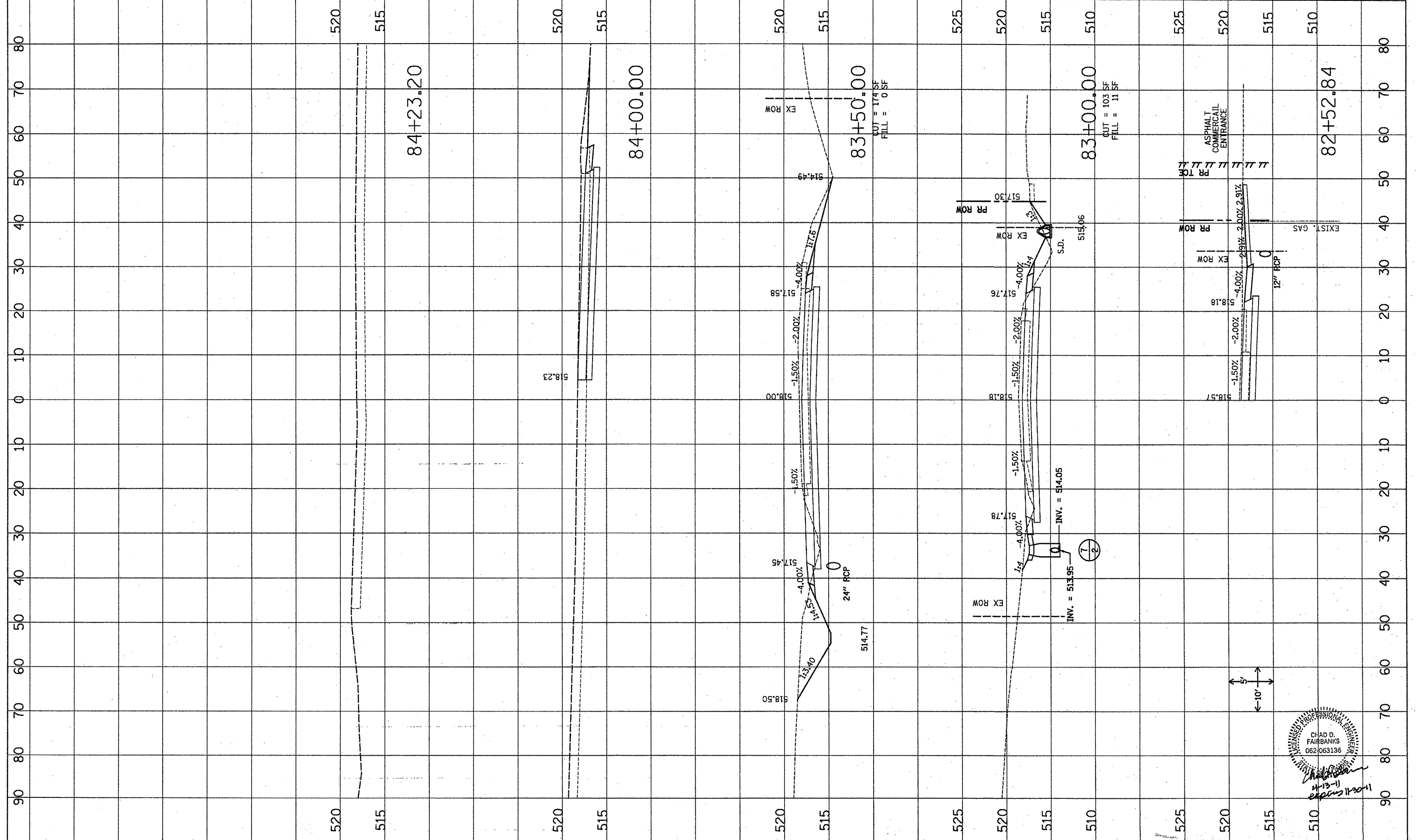
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9266	06-00062-06-PV	ST. CLAIR	80	79
FHWA REG. NO. 7	ILLINOIS	PROJECT NO.	RS-0163(035)	
FEDERAL AID PROJECT	CONTRACT NO. 97457			

SHILOH CUT-OFF CROSS SECTIONS



F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9266	06-00062-06-PV	ST. CLAIR	80	80
FHWA REG. NO. 7	ILLINOIS	PROJECT NO.	RS-0163(035)	
FEDERAL AID PROJECT	CONTRACT NO.			97457

SHILOH CUT-OFF CROSS SECTIONS



CHAD D. FAIRBANKS
062-063136
LICENSED PROFESSIONAL ENGINEER
11-13-11
11-30-11