

08-02-13 LETTING ITEM 105

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

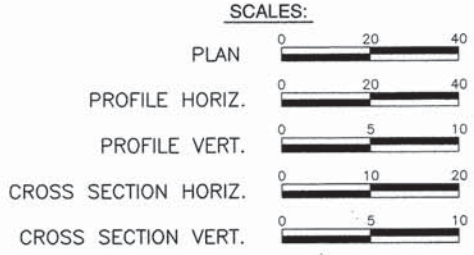
PLANS FOR PROPOSED
LOCAL AGENCY PROJECT

FAS ROUTE 832 (COUNTY HIGHWAY 13)
SECTION 09-00087-00-RS
PROJECT NO. RS-0832(103)
WASHINGTON COUNTY
JOB NO. C-98-348-11
STR PROGRAM

F.A.S. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
832	09-00087-00-RS	WASHINGTON	37	1
STA 0+13 TO		STA. 198+73.45		
FEDERAL AID PROJECT		CONTRACT 97523		

INDEX OF SHEETS

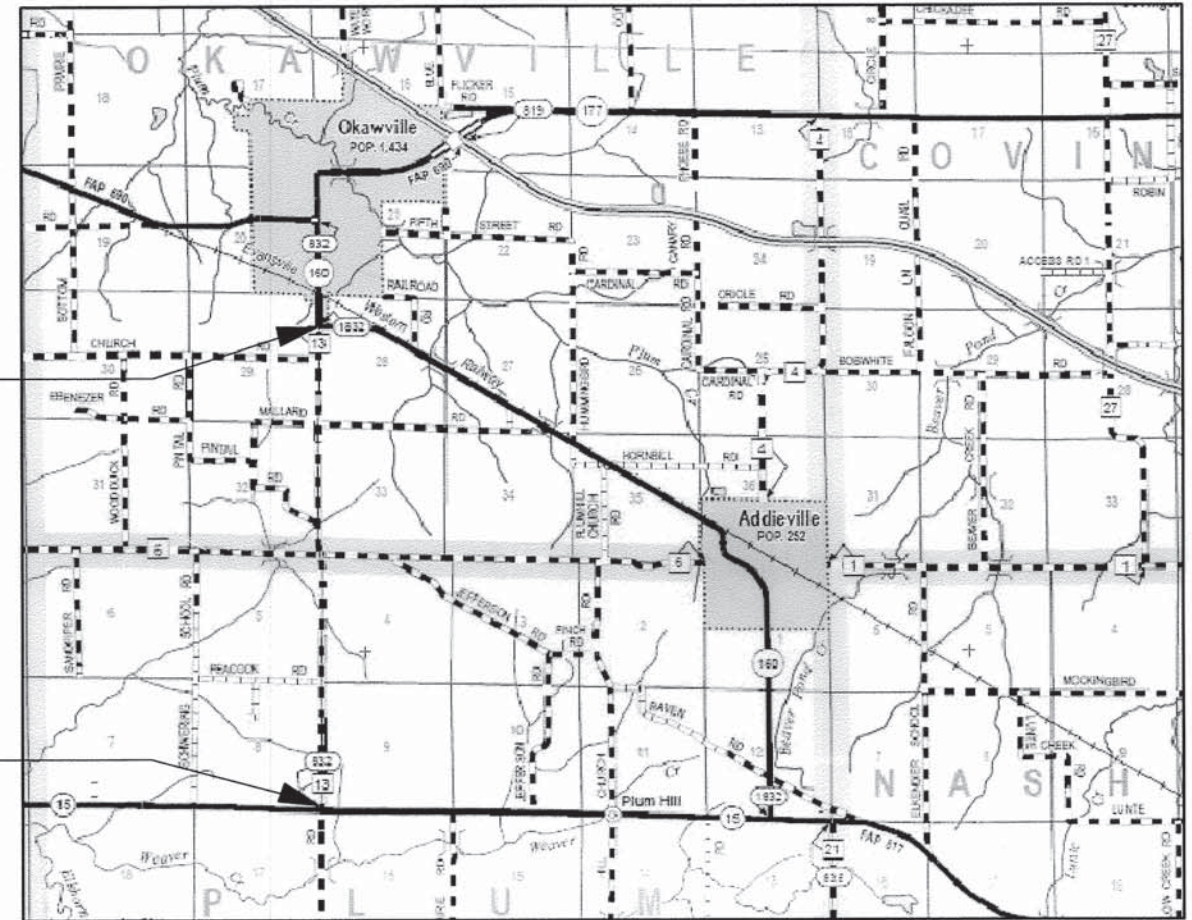
1. COVER SHEET
2. GENERAL NOTES, SUMMARY OF QUANTITIES, AND HIGHWAY STANDARDS
- 3.-4. TYPICAL SECTIONS
- 5.-7. CONSTRUCTION SCHEDULES
- 8.-14. ROADWAY PLAN COUNTY HIGHWAY 13
15. COUNTY HIGHWAY 6 PLAN AND PROFILE
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18. PAVEMENT MARKING PLAN
- 19.-20. MISCELLANEOUS DETAILS
- 21.-37. CROSS SECTIONS



COUNTY HIGHWAY 13
ROADWAY DESIGNATION: RURAL MAJOR COLLECTOR
DESIGN SPEED: 55 M.P.H
ADT: CURRENT (2012) 2,000
20-YEAR (2032) 2,440

END PROJECT,
SEC 09-00087-00-RS
STA. 198+73.45

BEGIN PROJECT,
SEC 09-00087-00-RS
STA. 0+13



LOCATION MAP
NOT TO SCALE

NET LENGTH OF IMPROVEMENT 19,860 FT. = 3.76 MILES

HOLD IT ! CALL BEFORE YOU DIG !
Phone J.U.L.I.E.



The owner would like to remind you that underground utility facilities can be damaged by shovel blades or other digging equipment. You can prevent damage or possible personal danger by phoning 800/892-0123 at least 48 hours before you dig. That's the toll-free number for "J.U.L.I.E.", which stands for Joint Utilities Location Information for Excavators.

If there are any pipes, cables, lines or mains in the excavation area, utility personnel will be out to mark the facilities so you can work around them.

Toll Free 800/892-0123

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
COUNTY OF WASHINGTON
HIGHWAY DEPARTMENT

APPROVED: 4/22 2013 DATE
Mitch Burdick
MITCH BURDICK, P.E., COUNTY ENGINEER

PASSED: 5-21-13 DATE
[Signature]
DISTRICT 8 ENGINEER OF LOCAL ROADS & STREETS

RELEASED FOR BID
BASED ON LIMITED REVIEW: 5-21-13 DATE
[Signature]
DEPUTY DIRECTOR OF HIGHWAYS
REGION FIVE ENGINEER

PRINTED BY AUTHORITY OF THE STATE OF ILLINOIS



Christopher A. Smith
Christopher Smith
4/22/2013
Date of Signing
4/30/2013
Date of License Expiration

PREPARED BY:
RHUTASEL and ASSOCIATES, INC.
CONSULTING ENGINEERS • LAND SURVEYORS

CORPORATE OFFICE: 4 INDUSTRIAL DRIVE, FREEBURG, ILLINOIS 62243 (618) 539-3176
REGIONAL OFFICE: 201 SOUTH LOCUST STREET, CENTRALIA, ILLINOIS 62801 (618) 532-1992

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY
20200100	EARTH EXCAVATION	CU YD	2,220
20200600	EXCAVATING AND GRADING SHOULDER	UNIT	391
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	228
20400800	FURNISHED EXCAVATION	CU YD	1,297
20800150	TRENCH BACKFILL	CU YD	88
21400100	GRADING AND SHAPING DITCHES	FOOT	1,448
25000200	SEEDING, CLASS 2	ACRE	4.5
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	405
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	405
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	405
25100115	MULCH, METHOD 2	ACRE	4.5
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	450
28000305	TEMPORARY DITCH CHECKS	FOOT	128
28000500	INLET AND PIPE PROTECTION	EACH	4
28100707	STONE DUMPED RIPRAP, CLASS A4	SQ YD	169
28200200	FILTER FABRIC	SQ YD	169
31100910	SUBBASE GRANULAR MATERIAL, TYPE A 12"	SQ YD	1,068
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	15
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	4,916
40600300	AGGREGATE (PRIME COAT)	TON	85
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	2,391
40600895	CONSTRUCTING TEST STRIP	EACH	1
40600982	HOT MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	305
40600990	TEMPORARY RAMP	SQ YD	78
40603080	HOT MIX ASPHALT, BINDER COURSE, IL 19.0, N50	TON	597
40603310	HOT MIX ASPHALT, SURFACE COURSE, MIX C, N50	TON	5,138
44000157	HOT MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	469
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	39,122
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	1,534
48203021	HOT MIX ASPHALT SHOULDER, 6"	SQ YD	9,105
50104400	CONCRETE HEADWALL REMOVAL	EACH	4
50105220	PIPE CULVERT REMOVAL	FOOT	541
542A0220	PIPE CULVERTS, CLASS A, TYPE 1, 15"	FOOT	15
542A0223	PIPE CULVERTS, CLASS A, TYPE 1, 18"	FOOT	72
542A0229	PIPE CULVERTS, CLASS A, TYPE 1, 24"	FOOT	44
542A0241	PIPE CULVERTS, CLASS A, TYPE 1, 36"	FOOT	54
542A0253	PIPE CULVERTS, CLASS A, TYPE 1, 48"	FOOT	30
542A0265	PIPE CULVERTS, CLASS A, TYPE 1, 60"	FOOT	16
542D0220	PIPE CULVERTS, CLASS D, TYPE 1, 15"	FOOT	88
542D0223	PIPE CULVERTS, CLASS D, TYPE 1, 18"	FOOT	69
542D0229	PIPE CULVERTS, CLASS D, TYPE 1, 24"	FOOT	30
542D0265	PIPE CULVERTS, CLASS D, TYPE 1, 60"	FOOT	22
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTION, 15"	EACH	2
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTION, 18"	EACH	4
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTION, 24"	EACH	2
54213681	PRECAST REINFORCED CONCRETE FLARED END SECTION, 36"	EACH	4
54213693	PRECAST REINFORCED CONCRETE FLARED END SECTION, 48"	EACH	2
54213705	PRECAST REINFORCED CONCRETE FLARED END SECTION, 60"	EACH	2
54215460	CAST IN PLACE REINFORCED CONCRETE END SECTIONS, 60"	EACH	2
54248510	CONCRETE COLLAR	CU YD	6
56109210	WATER VALVES TO BE ADJUSTED	EACH	3

SUMMARY OF QUANTITIES (CONT'D)

CODE NO.	ITEM	UNIT	TOTAL QUANTITY
67100100	MOBILIZATION	L SUM	1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	6,022
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	663
70300220	TEMPORARY PAVEMENT MARKING- LINE 4"	FOOT	47,722
70300250	TEMPORARY PAVEMENT MARKING- LINE 8"	FOOT	293
70300280	TEMPORARY PAVEMENT MARKING- LINE 12"	FOOT	99
70300280	TEMPORARY PAVEMENT MARKING- LINE 24"	FOOT	96
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	47,722
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	293
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	99
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	96
X5420660	PIPE CULVERTS TO BE CLEANED, 60"	FOOT	114
X7010216	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1
Δ Z0076600	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	Hour	500
Z0005305	BOX CULVERTS TO BE CLEANED	FOOT	88
Δ Z0076604	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	Hour	500
Z0070100	SURVEY MONUMENT COVER ASSEMBLY	EACH	2

Δ 0042
* SPECIALTY ITEM

UTILITY TYPE	NAME OF UTILITY	PHONE NUMBER	CONTACT NAME
ELECTRIC	TRI-COUNTY CO-OP	618-244-5151	DENNIS IVERS
WATER	WASHINGTON COUNTY	618-327-4454	STEVE FLETCHER
TELEPHONE	FRONTIER COMMUNICATIONS	217-854-2222	MARK BURKS
TELEPHONE	FRONTIER COMMUNICATIONS	309-827-1253	DARRELL SENIOR
CABLE	CLEARWAVE COMMUNICATIONS	618-294-8034	AARON CARIAN
CABLE	CLEARWAVE COMMUNICATIONS	618-384-9206	DUSTIN BUNTING

GENERAL NOTES

ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED JANUARY 1, 2012.

WHERE SECTION OR SUB-SECTION MARKERS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED OR COVERED UP. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS.

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

"ROAD CONSTRUCTION AHEAD" SIGNS SHALL BE PLACED AT THE BEGINNING AND END OF THE PROJECT PLUS THE INTERSECTING SIDE ROADS AND WILL BE INCLUDED IN THE TRAFFIC CONTROL PAY ITEMS. ALL CONSTRUCTION SIGNS SHALL BE FLUORESCENT ORANGE IN COLOR, 48".

EXISTING UTILITIES SHOWN ARE LOCATED FROM SURFACE OBSERVATIONS OR INFORMATION PROVIDED BY THE RESPECTIVE UTILITIES AND MUST BE CONSIDERED APPROXIMATE. THERE MAY BE OTHERS, THE EXACT LOCATION OF WHICH ARE UNKNOWN AND NOT SHOWN. THE CONTRACTOR WILL BE RESPONSIBLE FOR NOTIFYING THE RESPECTIVE UTILITIES BEFORE WORK IS BEGUN. FIELD MARKINGS OF UNDERGROUND UTILITIES MAY BE OBTAINED BY PROVIDING A MINIMUM OF 48 HOURS ADVANCE NOTICE THROUGH THE J.U.L.I.E. SYSTEM BY CALLING 1-800-892-0123 OR BY DIRECT CONTACT WITH NON-MEMBERS OF J.U.L.I.E.

ALL AREAS DISTURBED FOR ANY REASON SHALL BE PERMANENTLY SEEDDED AS DIRECTED BY THE ENGINEER. ALL AREAS DISTURBED BY THE CONTRACTOR OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE SEEDDED AT THE CONTRACTOR'S EXPENSE.

THE THICKNESS OF THE HOT-MIX ASPHALT SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE ON WHICH THE HOT-MIX ASPHALT IS PLACED.

EXCAVATION ADJACENT TO EDGE OF PAVEMENT SHALL BE PROTECTED WITH EXTENDED LEG BARRICADES WITH STEADY BURNING LIGHTS.

ALL CLASS A PIPE CULVERTS WILL BE REINFORCED CONCRETE CULVERT PIPE AND ALL CLASS D PIPE CULVERTS SHALL BE CORRUGATED METAL PIPE.

FACTORS USED FOR QUANTITY CALCULATIONS ARE AS FOLLOWS:

PAVING	
ALL HOT-MIX ASPHALT	0.056 TONS/SQ.YD./INCH
AGGREGATE (PRIME COAT)	0.0015 TONS/SQ.YD.
BITUMINOUS MATERIALS (PRIME COAT)	0.075 GAL./SQ.YD. (PAVED SURFACE)
BITUMINOUS MATERIALS (PRIME COAT)	0.375 GAL./SQ.YD. (AGGREGATE SURFACE)
SEEDING	
NITROGEN FERTILIZER NUTRIENT	90 LBS/ACRE
PHOSPHORUS FERTILIZER NUTRIENT	90 LBS/ACRE
POTASSIUM FERTILIZER NUTRIENT	90 LBS/ACRE
MULCH	2 TONS/ACRE
AGGREGATE	
GRANULAR MATERIALS	2.05 TONS/C.Y.

THE CONTRACTOR SHALL BE AWARE THAT THERE ARE WATER VALVES LOCATED WITHIN THE RECONSTRUCTION LIMITS. CARE SHALL BE TAKEN IN THESE THESE LOCATIONS TO ENSURE THESE ITEMS ARE NOT DAMAGED.

SAW-CUTTING SHALL BE CONSIDERED INCIDENTAL TO THE REMOVAL ITEM INVOLVED.

AN ESTIMATED 62 TONS OF HOT-MIX ASPHALT MATERIAL WILL BE REMOVED DURING THIS PROJECT.

SHORT-TERM PAVEMENT MARKING SHALL BE APPLIED TO THE MILLED, PRIMED, LEVELING BINDER, AND FINAL HMA SURFACE, ONLY THE REMOVAL OF THE FINAL SURFACE APPLICATION WILL BE PAID FOR (WORK ZONE PAVEMENT MARKING REMOVAL-SQ FT). AN AMOUNT OF TEMPORARY PAVEMENT MARKING WHICH EQUALS THE AMOUNT OF PERMANENT MARKING HAS ALSO BEEN ADDED TO THE PLANS.

ALL TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED IN SUCH A MANNER SO AS NOT TO INTERFERE WITH THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.

APPLICABLE IDOT HIGHWAY STANDARDS:

280001-07
542206-02
542301-03
642006
701006-04
701306-03
701311-03
701326-04
701901-02
780001-03
B.L.R. 18-5
B.L.R. 24-2

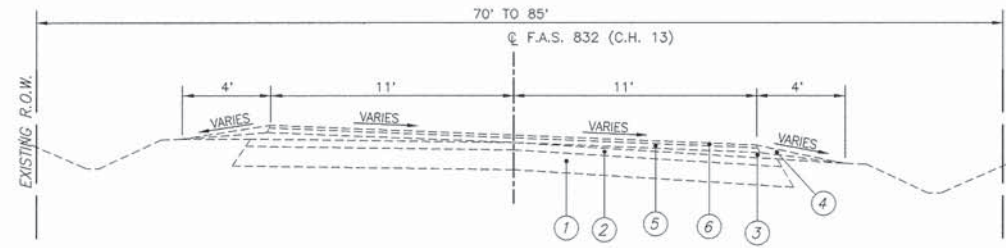
COMMITMENTS

NONE

F.A.S. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
832	09-00087-00-RS	WASHINGTON	37	3
STA. 0+13 TO		STA. 198+73.45		
FEDERAL AID PROJECT		CONTRACT 97523		

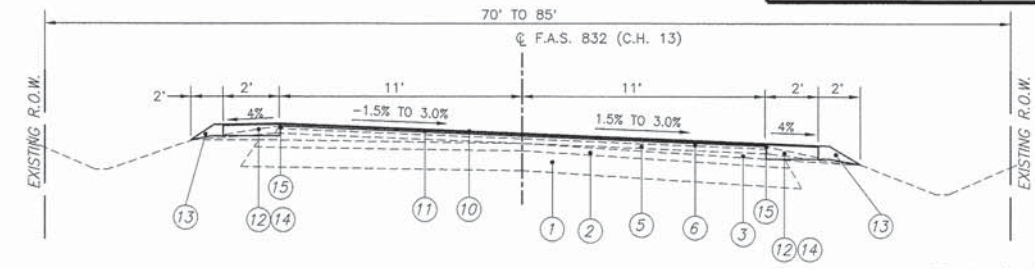
LEGEND

- ① EXISTING AGGREGATE BASE, ±15" (1950)
- ② EXISTING OIL & CHIP SURFACE, ±3" (1950)
- ③ EXISTING ASPHALT CONCRETE OVERLAY FOR CROWN ADJUSTMENT, ±3" @ EDGES (1982)
- ④ EXISTING AGGREGATE SHOULDER
- ⑤ EXISTING BITUMINOUS CONCRETE BINDER COURSE, MIXTURE B, TYPE 2 (2½" @ ②) (1996)
- ⑥ EXISTING BITUMINOUS CONCRETE SURFACE COURSE, MIXTURE C, MIXTURE C, CLASS I, TYPE 2 (CONSTANT 1½") (1996)
- ⑦ EXISTING BITUMINOUS BASE COURSE, 9"
- ⑧ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- ⑨ PROPOSED HMA SURFACE REMOVAL
- ⑩ PROPOSED HMA SURFACE COURSE, MIX C, N50, 1½"
- ⑪ PROPOSED LEVELING BINDER (MACHINE METHOD), IL 9.5 N50, ¾"
- ⑫ PROPOSED HMA SHOULDERS, 6"
- ⑬ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
- ⑭ PROPOSED EXCAVATING AND GRADING SHOULDER
- ⑮ STRIP REFLECTIVE CRACK CONTROL TREATMENT



EXISTING TYPICAL SUPERELEVATION SECTION

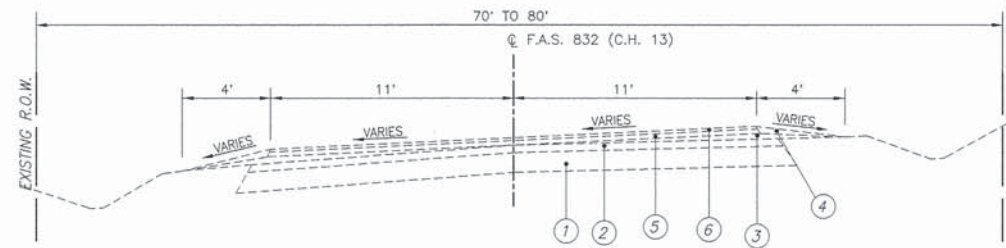
N.T.S.
COUNTY HIGHWAY 13
STA. 105+42.85 TO 118+83.30



PROPOSED TYPICAL SUPERELEVATION SECTION

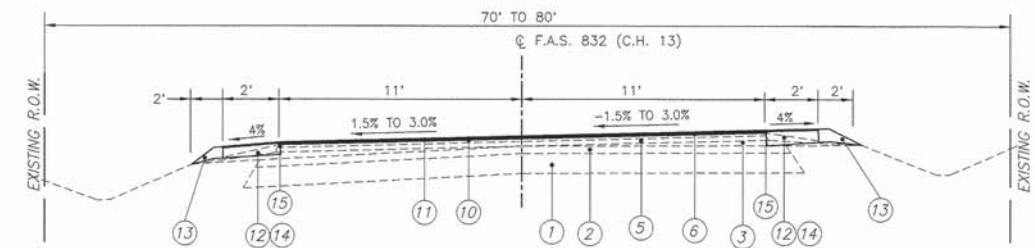
N.T.S.
COUNTY HIGHWAY 13
STA. 105+42.85 TO 118+83.30

* The algebraic difference between the cross slope on the travel lane and the shoulder shall not exceed 8%.



EXISTING TYPICAL SUPERELEVATION SECTION

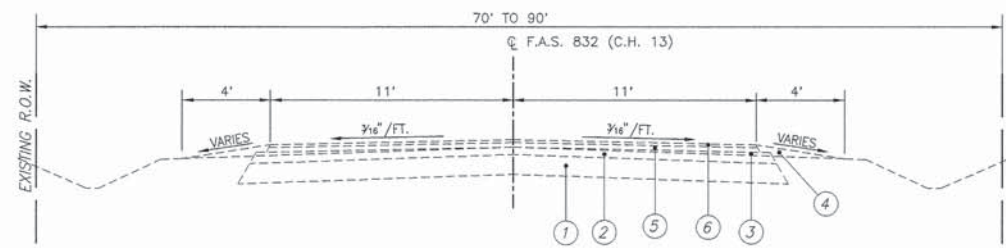
N.T.S.
COUNTY HIGHWAY 13
STA. 92+02.40 TO 105+42.85



PROPOSED TYPICAL SUPERELEVATION SECTION

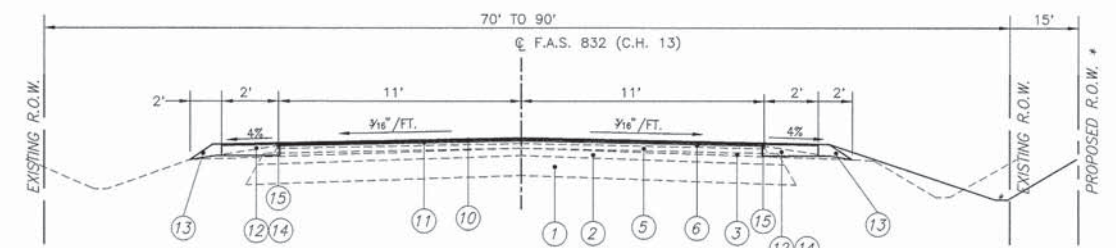
N.T.S.
COUNTY HIGHWAY 13
STA. 92+02.40 TO 105+42.85

* The algebraic difference between the cross slope on the travel lane and the shoulder shall not exceed 8%.



EXISTING TYPICAL TANGENT SECTION

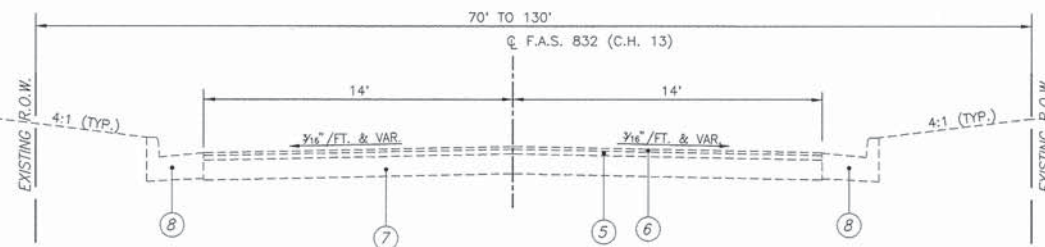
N.T.S.
COUNTY HIGHWAY 13
STA. 0+96.46 TO 92+02.40
STA. 118+83.30 TO 198+74.12



PROPOSED TYPICAL TANGENT SECTION

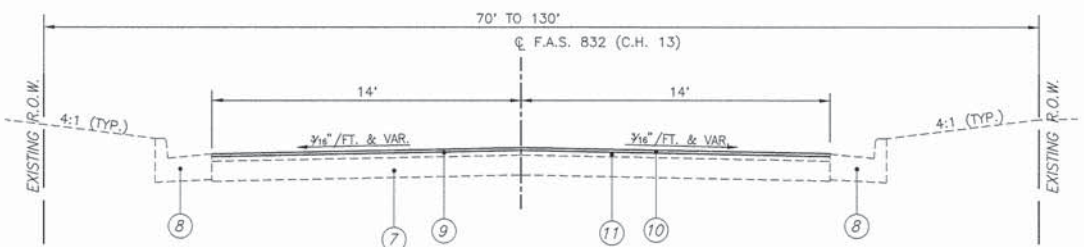
N.T.S.
COUNTY HIGHWAY 13
STA. 0+96.46 TO 92+02.40
STA. 118+83.30 TO 198+74.12

* Station 22+50 to 39+50 RT



EXISTING TYPICAL TANGENT SECTION

N.T.S.
COUNTY HIGHWAY 13
STA. 0+13 TO 0+96.46



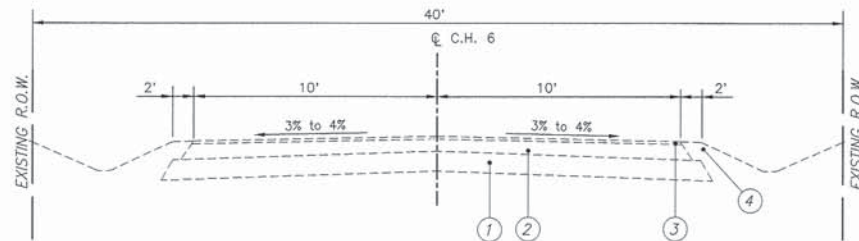
PROPOSED TYPICAL TANGENT SECTION

N.T.S.
COUNTY HIGHWAY 13
STA. 0+13 TO 0+96.46

F.A.S. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
832	09-00087-00-RS	WASHINGTON	37	4
STA. 0+13 TO		STA. 198+73.45		
FEDERAL AID PROJECT		CONTRACT 97523		

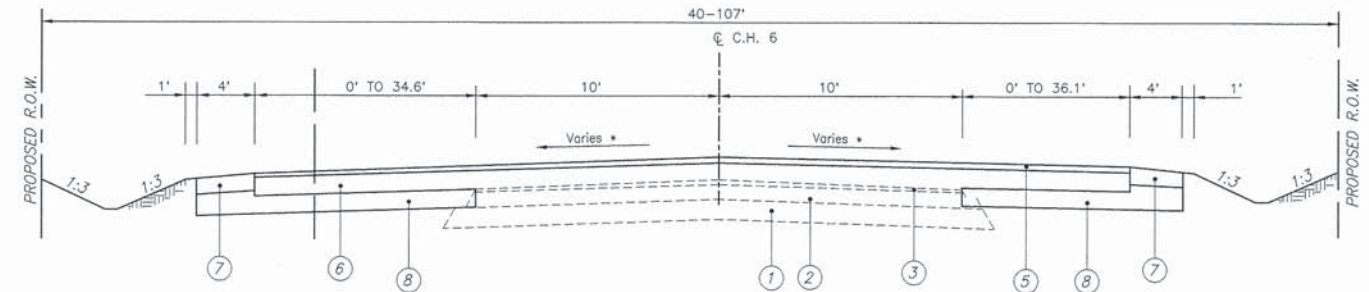
LEGEND

- ① EXISTING AGGREGATE BASE
- ② EXISTING OIL & CHIP SURFACE, ±3"
- ③ EXISTING ASPHALT CONCRETE OVERLAY
- ④ EXISTING TURF SHOULDER
- ⑤ PROPOSED HMA SURFACE COURSE, MIX C, N50, 1½"
- ⑥ PROPOSED HMA BINDER COURSE, IL 19.0, N50 (VARIES 0 TO 8")
- ⑦ PROPOSED HMA SHOULDERS, 6"
- ⑧ PROPOSED SUBBASE GRANULAR MATERIAL, TYPE A, 12"



EXISTING TYPICAL SECTION

N.T.S.
 COUNTY HIGHWAY 6
 STA. 10+30 TO 12+20.68
 STA. 12+43.17 TO 14+41.65



PROPOSED TYPICAL SECTION

N.T.S.
 COUNTY HIGHWAY 6
 STA. 10+30 TO 12+20.68
 STA. 12+43.17 TO 14+41.65

* See Cross Sections for Variable Cross Slope

F.A.S. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
832	09-00087-00-RS	WASHINGTON	37	5
STA. 0+13 TO		STA. 198+73.45		
FEDERAL AID PROJECT		CONTRACT 97523		

EARTHWORK SCHEDULE

LOCATION	EARTH EXCAVATION	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (25%)	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)	FURNISHED EXCAVATION
	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD
COUNTY HIGHWAY 13						
STA. 8+00 TO 10+50 C	13	0	10	32	-22	22
STA. 23+00 TO 39+00 RT	1,764	228	1,152	1,580	-450	450
STA. 80+50 TO 88+00 C	0	0	0	600	-1,050	1,050
STA. 90+50 TO 92+00 C	0	0	0	175	-1,225	1,225
COUNTY HIGHWAY 6						
STA. 10+30.00 TO 12+20.68 C	314	0	235	251	-1,241	1,241
STA. 12+43.17 TO 14+41.65 C	129	0	97	153	-1,297	1,297
TOTAL	2,220	228	1,494	2,791	-1,297	1,297

PAVING SCHEDULE

LOCATION	SUB-BASE GRANULAR MATERIAL, TYPE A 12"	BIT. MATERIALS (PRIME COAT)	AGGREGATE (PRIME COAT)	LEVELING BINDER MACHINE METHOD, N50	HMA SURFACE CRSE., MIX "C", N50, 1-1/2"	HMA BINDER CRSE., MIX "B", N50	TEMPORARY RAMP
	SQ YD	GALLON	TON	TON	TON	TON	SQ YD
COUNTY HIGHWAY 13							
STA. 0+13 TO 0+97.65 C	----	35	1	----	53 *	----	63.3
STA. 0+97.65 TO 198+73.45 C	----	4,474	79.5	2,391	4,806	----	14.4
COUNTY HIGHWAY 6							
STA. 10+30.00 TO 12+20.68 C	520	156	1.2	----	68	333	----
STA. 12+43.17 TO 14+41.65 C	548	164	1.2	----	68	264	----
SUBTOTAL THIS SCHEDULE	1,068	4,829	83	2,391	4,995	597	78
SUBTOTAL ENTRANCE SCHEDULE	----	87	2	----	143 *	----	----
TOTAL	1,068	4,916	85	2,391	5,138	597	78

* HMA SURFACE COURSE, MIX C, N50, 2"

PIPE CULVERT SCHEDULE

LOCATION	CLASS D				CLASS A						TRENCH BACKFILL CU YD
	TYPE 1, CMP, 15"	TYPE 1, CMP, 18"	TYPE 1, CMP, 24"	TYPE 1, CMP, 60"	TYPE 1, RCCP, 15"	TYPE 1, RCCP, 18"	TYPE 1, RCCP, 24"	TYPE 1, RCCP, 36"	TYPE 1, RCCP, 48"	TYPE 1, RCCP, 60"	
STA. 18+86.58 RT.		35									3.9
STA. 30+73.54 LT.	30										3.0
STA. 44+28.85 LT.			30								0
STA. 53+13.76 LT.						28					3.7
STA. 66+49.23 LT.	34										2.1
STA. 66+51.35 RT.		34									0
STA. 85+16.45 RT.				11							0
STA. 85+51.72 LT.				11							0
STA. 91+42.23 LT.									8		0
STA. 91+42.23 RT.									8		0
STA. 105+88.04 RT.					15						1.5
STA. 106+11.76 RT.							44				3.5
STA. 106+11.76 LT.						44					8.2
STA. 118+82.50 LT.								30			19.3
STA. 149+72.15 LT.	24										0
STA. 186+62.87 LT.								30			10.4
STA. 186+62.87 RT.								24			8.8
TOTAL	88	69	30	22	15	72	44	54	30	16	64.4

* ALL END OF CMP PIPES SHALL BE TAPERED/MITERED TO CONFORM TO ADJACENT SLOPE.

TRENCH BACKFILL SCHEDULE

LOCATION	TRENCH BACKFILL
	CU YD
PIPE CULVERT SCHEDULE	64.4
DRAINAGE REMOVAL SCHEDULE	23.2
TOTAL	88

DRAINAGE REMOVAL SCHEDULE

LOCATION	DESCRIPTION	PIPE CULVERT REMOVAL, 12"	PIPE CULVERT REMOVAL, 15"	PIPE CULVERT REMOVAL, 18"	PIPE CULVERT REMOVAL, 24"	PIPE CULVERT REMOVAL, 36"	PIPE CULVERT REMOVAL, 48"	CONCRETE HEADWALL REMOVAL	TRENCH BACKFILL
		FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	EACH	CU YD
STA. 18+86.58 RT.	18" CMP			29					0
STA. 30+73.54 LT.	12" CMP	30							0
STA. 44+28.85 LT.	24" CMP				26				0
STA. 53+13.76 LT.	15" CMP		30						0
STA. 66+49.23 LT.	15" CMP		28						0
STA. 66+51.35 LT.	18" CMP			28					0
STA. 85+16.45 RT.	-----							1	0
STA. 85+51.72 LT.	-----							1	0
STA. 91+42.23 LT.	-----							1	0
STA. 91+42.23 RT.	-----							1	0
STA. 105+88.04 RT.	12" RCCP	31							0
STA. 106+11.76 RT.	15" CMP		34						7.0
STA. 106+11.76 LT.	24" CMP				30				6.2
STA. 106+11.76 LT.	15" CMP		69						6.8
STA. 106+11.76 LT.	15" CMP		29						3.2
STA. 106+41.26 LT.	12" CMP	33							0
STA. 118+82.50 LT.	48" CMP						41		0
STA. 149+72.15 LT.	12" CMP	24							0
STA. 186+62.87 LT.	36" CMP						43		0
STA. 186+62.87 RT.	36" CMP						36		0
TOTAL		118	190	57	56	79	41	4	23.2

* THE PAY ITEM "PIPE CULVERT REMOVAL" COVERS ALL SIZES OF CULVERT REMOVAL.

SHOULDER SCHEDULE

LOCATION	EXCAVATING AND GRADING SHOULDER	HMA SHOULDERS, 6"	AGGREGATE WEDGE SHOULDERS, TYPE B	STRIP REFLECTIVE CRACK CONTROL
	UNIT	SQ YD	TON	FOOT
COUNTY HIGHWAY 13				
STA. 0+97.65 TO 104+81.32 LT.		103.8	2,307.5	394.1
STA. 0+97.65 TO 105+24.67 RT.		104.3	2,317.1	396.0
STA. 106+98.35 TO 198+73.45 LT.		91.8	2,038.9	348.5
STA. 107+37.40 TO 198+73.45 RT.		91.4	2,030.2	347.0
COUNTY HIGHWAY 6				
STA. 10+30.00 TO 12+20.68 LT.			85.3	
STA. 10+30.00 TO 12+20.68 RT.			119.6	
STA. 12+10.68 TO 14+41.65 LT.			118.7	
STA. 12+10.68 TO 14+41.65 RT.			87.6	
SUBTOTAL THIS SCHEDULE	391	9,105	1,486	39,122
SUBTOTAL ENTRANCE SCHEDULE	----	----	48	----
TOTAL	391	9,105	1,534	39,122

F.A.S. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
832	09-00087-00-RS	WASHINGTON	37	6
STA. 0+13		TO	STA. 198+73.45	
FEDERAL AID PROJECT		CONTRACT 97523		

ENTRANCE / SIDEROAD AND MAILBOX TURNOUT SCHEDULE

STATION	EXISTING SURFACE	TYPE	"L"	"W"	HMA SURFACE	BITUMINOUS MATERIALS	AGGREGATE	ADDITIONAL AGG.	COMMENTS
			FOOT	FOOT	COURSE, MIX C N50 TON	(PRIME COAT) GALLON	(PRIME COAT) TON	SHOULDERS, TYPE B TON	
1+52.86 RT.	AGGREGATE	F.E.	19.5	16.5				1.6	
1+89.40 LT.	ASPHALT	P.E.	22.0	24.0	7.0	4.4	0.09		
2+17 LT.	ASPHALT	MAILBOX	----	----	0.8	0.5	0.01		
2+28.00 RT.	ASPHALT	P.E.	23.5	13.0	5.4	3.3	0.07		
3+16.62 RT.	ASPHALT	P.E.	23.5	20.0	7.2	4.5	0.10		
4+85.90 LT.	TURF	F.E.	9.0	14.0				1.0	
5+09.00 RT.	TURF	F.E.	9.0	14.0				1.4	
10+88.78 LT.	TURF	F.E.	9.0	12.0				1.1	
11+74.16 RT.	TURF	F.E.	9.0	17.5				1.9	
18+86.58 RT.	AGGREGATE	P.E.	28.5	10.5	5.2	3.3	0.07		
18+88 LT.	ASPHALT	MAILBOX	----	----	0.7	0.4	0.01		
20+96.04 RT.	TURF	F.E.	9.0	34.0				2.4	
21+08.07 LT.	ASPHALT	P.E.	28.5	9.5	4.9	3.1	0.07		
30+27 LT.	ASPHALT	MAILBOX	----	----	0.7	0.4	0.01		
30+72.91 LT.	ASPHALT	P.E.	23.5	12.5	4.4	2.7	0.06		
35+29 LT.	ASPHALT	MAILBOX	----	----	0.7	0.4	0.01		
35+50.96 RT.	ASPHALT	P.E.	33.5	10.0	5.7	3.6	0.08		
35+67.56 LT.	TURF	F.E.	9.0	13.5				1.3	
44+28.85 RT.	TURF	F.E.	9.0	20.0				1.6	
49+44.60 RT.	TURF	F.E.	9.0	24.0				1.9	
53+13.76 LT.	ASPHALT	SIDEROAD	25.0	16.0	6.7	4.2	0.09		PEACOCK ROAD
57+10 LT.	ASPHALT	MAILBOX	----	----	0.6	0.4	0.01		
57+23.34 LT.	TURF	F.E.	9.0	18.0				1.1	
57+23.34 RT.	ASPHALT	P.E.	24.5	10.0	4.1	2.5	0.05		
66+05 LT.	ASPHALT	MAILBOX	----	----	0.7	0.4	0.01		
66+49.23 LT.	ASPHALT	P.E.	23.5	11.0	4.0	2.5	0.05		
66+51.35 RT.	ASPHALT	P.E.	18.0	12.0	5.0	3.1	0.07		
75+68.40 LT.	TURF	F.E.	9.0	12.0				1.4	
75+70.66 RT.	TURF	F.E.	9.0	12.0				1.2	
80+03.84 RT.	ASPHALT	P.E.	29.0	13.5	7.1	4.4	0.09		
80+21 LT.	ASPHALT	MAILBOX	----	----	0.7	0.4	0.01		
88+66 LT.	ASPHALT	MAILBOX	----	----	0.7	0.4	0.01		
88+69.25 RT.	AGGREGATE	P.E.	28.5	22.0	11.1	5.6	0.12		
90+92.00 LT.	TURF	F.E.	14.5	14.0				2.0	
91+96.23 RT.	TURF	F.E.	14.5	14.0				1.7	
93+00.77 LT.	AGGREGATE	P.E.	14.5	14.0	6.9	4.3	0.09		
93+91 LT.	ASPHALT	MAILBOX	----	----	0.7	0.4	0.01		
94+11.80 LT.	AGGREGATE	P.E.	23.5	10.0	4.2	2.6	0.06		
96+38.30 RT.	TURF	F.E.	9.0	18.0				1.7	
96+40.47 LT.	TURF	F.E.	9.0	14.0				1.7	

ENTRANCE / SIDEROAD AND MAILBOX TURNOUT SCHEDULE (CONT'D)

STATION	EXISTING SURFACE	TYPE	"L"	"W"	HMA SURFACE	BITUMINOUS MATERIALS	AGGREGATE	ADDITIONAL AGG.	COMMENTS
			FOOT	FOOT	COURSE MIX C, N50 TON	(PRIME COAT) GALLON	(PRIME COAT) TON	SHOULDERS, TYPE B TON	
105+62.73 RT.	AGGREGATE	F.E.	17.0	12.0				8.0	
111+64.63 RT.	TURF	F.E.	9.0	14.0				1.2	
112+05.00 LT.	TURF	F.E.	9.0	13.0				1.0	
117+25.21 RT.	ASPHALT	P.E.	28.0	16.0	4.2	2.6	0.06		
117+29 LT.	ASPHALT	MAILBOX	----	----	0.5	0.3	0.01		
118+82.50 RT.	ASPHALT	SIDEROAD	25.0	16.0	7.7	4.8	0.10		PINTAIL ROAD
136+30.00 RT.	TURF	F.E.	9.0	18.0				1.7	
143+91 LT.	ASPHALT	MAILBOX	----	----	0.7	0.4	0.01		
143+95.65 RT.	ASPHALT	P.E.	14.5	14.0	5.8	3.6	0.08		
144+13.42 LT.	TURF	F.E.	9.0	34.0				2.3	
145+95.60 RT.	TURF	F.E.	9.0	20.0				1.7	
149+72.15 LT.	TURF	F.E.	9.0	15.0				1.6	
154+03.62 RT.	TURF	F.E.	9.0	15.0				1.3	
159+85.00 LT.	ASPHALT	SIDEROAD	23.5	16.0	6.4	4.0	0.09		MALLARD ROAD
159+85.00 RT.	ASPHALT	SIDEROAD	23.0	16.0	7.4	4.6	0.10		MALLARD ROAD
167+66.74 RT.	TURF	F.E.	9.0	23.0				1.9	
179+56.67 RT.	TURF	F.E.	9.0	18.5				1.8	
186+62.64 LT.	ASPHALT	SIDEROAD	29.0	18.0	9.0	5.6	0.12		WHITE CHURCH ROAD
186+62.64 RT.	ASPHALT	SIDEROAD	28.0	10.0	6.3	3.9	0.08		WHITE CHURCH ROAD
TOTAL					143	87	2.0	48	

PAVEMENT MARKING SCHEDULE

LOCATION	THERMOPLASTIC PAVEMENT MARKINGS								SHORT TERM PAVEMENT MARKING	WORK ZONE PAVEMENT MARKING REMOVAL
	SOLID YELLOW NORTHBOUND 4" NO PASSING	SOLID YELLOW SOUTHBOUND 4" NO PASSING	WHITE 4" EDGE LINE	YELLOW SKIP DASH 4" LANE LINE	SOLID DOUBLE YELLOW 4" LANE LINE	WHITE 8" CHANNELIZATION	SOLID 12" DIAGONAL LINE	SOLID WHITE 24" BAR		
	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	SQ FT
COUNTY HIGHWAY 13										
STA. 0+25 TO 0+37 LT								33		
STA. 0+25 TO 198+73.45 C					4,962				5,413	595
STA. 0+97.65 TO 104+81.32 LT.			10,285							
STA. 0+97.65 TO 105+24.67 RT.			10,328							
STA. 83+50 TO 94+60 C	1,110								303	34
STA. 101+90 TO 113+10 C		1,120							306	34
STA. 106+98.35 TO 198+73.45 LT.			9,175							
STA. 107+37.40 TO 198+73.45 RT.			9,136							
COUNTY HIGHWAY 6										
STA. 10+00.00 TO 11+87.40 LT.			468			332	139	47	30	
STA. 12+10.68 TO 14+00.00 LT.			471			335	154	52	30	
TOTAL	1,110	1,120	39,863	4,962	667	293	99	96	6,022	663

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F.A.S. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
832	09-00087-00-RS	WASHINGTON	37	7
STA. 0+13 TO		STA. 198+73.45		
FEDERAL AID PROJECT		CONTRACT 97523		

GRADING AND SHAPING DITCHES

LOCATION	GRADING AND SHAPING DITCHES
	FOOT
STA 1+14 TO 1+37 RT	23
STA 18+50 TO 18+67 RT	17
STA 39+50 TO 44+15 RT	465
STA 44+44 TO 45+00 RT	56
STA 52+50 TO 52+90 LT	40
STA 53+30 TO 53+50 LT	20
STA 65+00 TO 66+33 LT	133
STA 66+00 TO 66+33 RT	33
STA 66+67 TO 67+00 LT	33
STA 66+67 TO 67+00 RT	33
STA 73+64 TO 73+89 RT	25
STA 117+05 TO 118+70 LT	165
STA 149+50 TO 149+60 LT	10
STA 149+85 TO 150+00 LT	15
STA 186+00 TO 186+40 LT	40
STA 186+00 TO 186+40 RT	40
STA 186+85 TO 187+00 LT	15
STA 186+85 TO 189+50 RT	285
TOTAL	1,448

DRAINAGE STRUCTURE CLEANING SCHEDULE

LOCATION	DESCRIPTION	BOX CULVERT TO BE CLEANED	PIPE CULVERT TO BE CLEANED, 60"
		FOOT	FOOT
STA. 22+80 C	8'X5' BOX	40	
STA. 23+00 RT	7'X4' BOX	48	
STA. 85+34 C	60" CMP		62
STA. 91+42 C	60" CMP		52
TOTAL		88	114

EROSION CONTROL SCHEDULE

LOCATION	INLET AND PIPE PROTECTION	TEMPORARY DITCH CHECK	FILTER FABRIC	STONE DUMPED RIPRAP, CLASS A4
	EACH	FOOT	SQ YD	SQ YD
COUNTY HIGHWAY 13				
STA. 22+90 RT	1			
STA. 23+00 RT			52.2	52.2
STA. 24+00 RT		8		
STA. 26+50 RT			29.1	29.1
STA. 29+00 RT		8		
STA. 34+00 RT		8		
STA. 36+50 RT		8		
STA. 39+00 RT			37.5	37.5
STA. 84+80 RT		8		
STA. 85+40 RT		8		
STA. 85+50 LT		8		
STA. 85+60 LT			15.9	15.9
STA. 85+90 LT		8		
STA. 91+25 RT		8		
STA. 91+30 LT		8		
STA. 91+43 LT			19.5	19.5
STA. 91+60 LT		8		
STA. 91+60 RT		8		
STA. 105+75 LT		8		
STA. 105+80 RT	1			
STA. 105+80 RT			8.5	8.5
STA. 105+95 LT	1			
STA. 106+50 LT			6.3	6.3
STA. 107+00 RT		8		
STA. 107+50 LT		8		
STA. 107+50 RT	1			
STA. 117+50 LT		8		
TOTAL	4	128	169	169

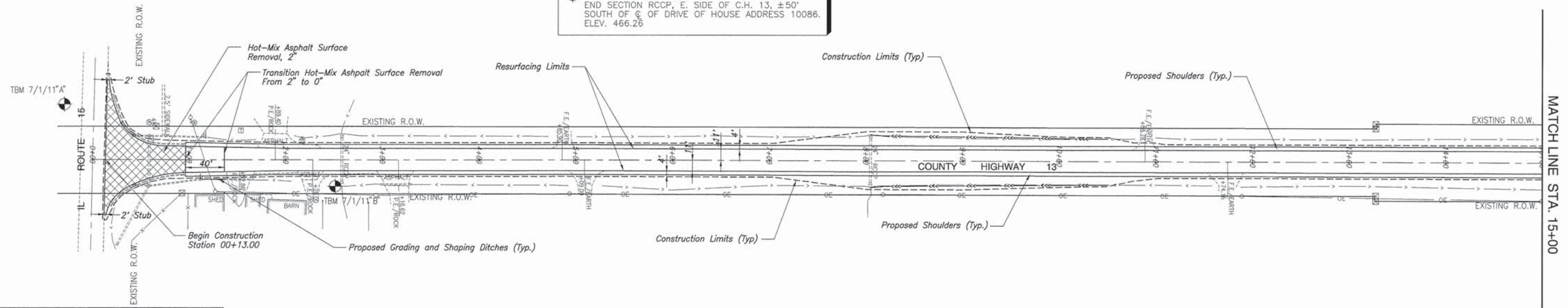
K:\V0511 - Washington County, 2013, Resurficing\04\05.DT - CONSTRUCTION_SCH-02-2013.dwg, 4/27/13 8:35:08 AM, Plotted by M.A.L.

F.A.S. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
832	09-00087-00-RS	WASHINGTON	37	8
FEDERAL AID PROJECT			CONTRACT 97523	

BENCHMARK DATA

- TBM 7/1/11"A" - CHISELED "L" ON S.E. CORNER OF 3'x3' CONCRETE PAD AT S.W. QUADRANT OF IL. ROUTE 15 & WEAVER CREEK ROAD. ELEV. 465.88
- TBM 7/1/11"B" - CHISELED "□" ON CONCRETE END SECTION RCCP, E. SIDE OF C.H. 13, ±50' SOUTH OF C OF DRIVE OF HOUSE ADDRESS 10086. ELEV. 466.26

SCALE: 1"=50'



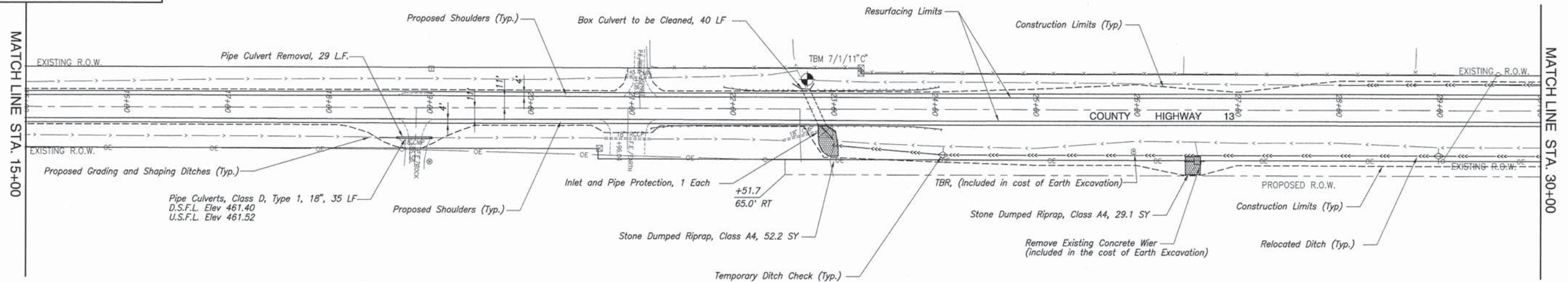
LEGEND (TYPICAL ALL SHEETS)

- ⊕ EXISTING SIGN
- Ⓜ EXISTING MAILBOX
- ||| EXISTING CULVERT
- |—|— EXISTING DITCH FLOW LINE
- ⊙ EXISTING TREE
- ⊙ EXISTING SAPLING
- ⊙ EXISTING BUSH
- ⊙ EXISTING TREE STUMP
- |— EXISTING R.O.W. MONUMENT
- |— EXISTING UNDERGROUND TELEPHONE
- |— EXISTING OVERHEAD ELECTRIC
- ⊙ EXISTING POWER POLE
- ⊙ EXISTING TELEPHONE PEDESTAL
- |— EXISTING GUY WIRE
- |— EXISTING FENCE LINE
- |— PROPOSED C DITCH

BENCHMARK DATA

- TBM 7/1/11"C" - CHISELED "□" ON CONCRETE HEADWALL OF BOX CULVERT ON W. SIDE C.H. 13, ±400' NORTH OF DRIVE OF HOUSE ADDRESS 10350. ELEV. 463.38

SCALE: 1"=50'



Susan Mittendorf and Marilyn Stricker
11-09-300-002

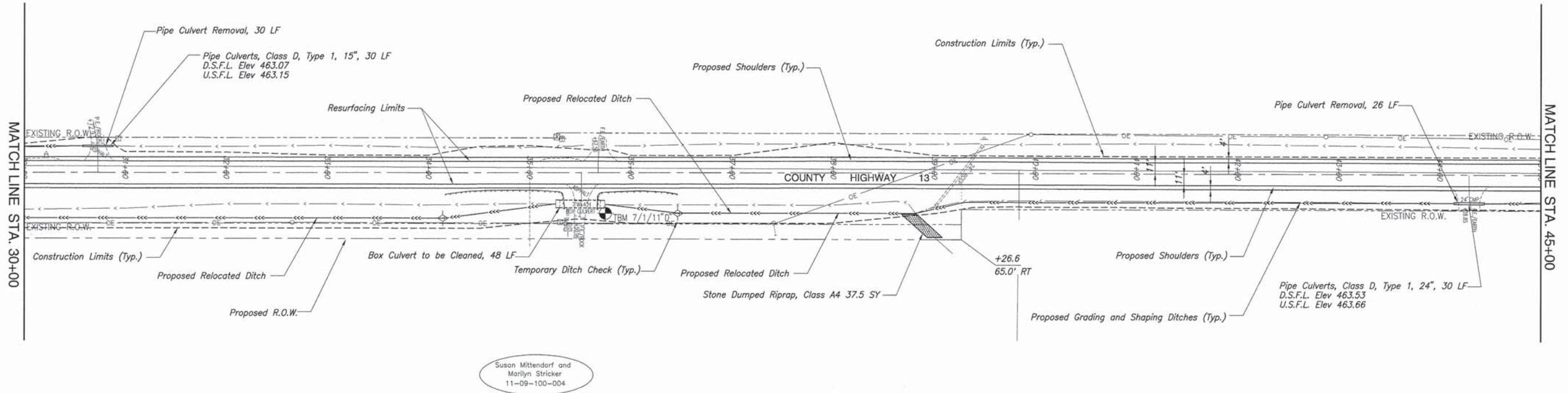
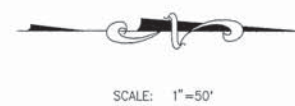
Susan Mittendorf and Marilyn Stricker
11-09-300-001

K:\V0611_Weatherford_County_CH13_Resurfacing\Draw\Plan_1.dwg, 4/24/2013 8:36:27 AM, Plotted by T.A.L.

F.A.S. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
832	09-00087-00-RS	WASHINGTON	37	9
FEDERAL AID PROJECT			CONTRACT 97523	

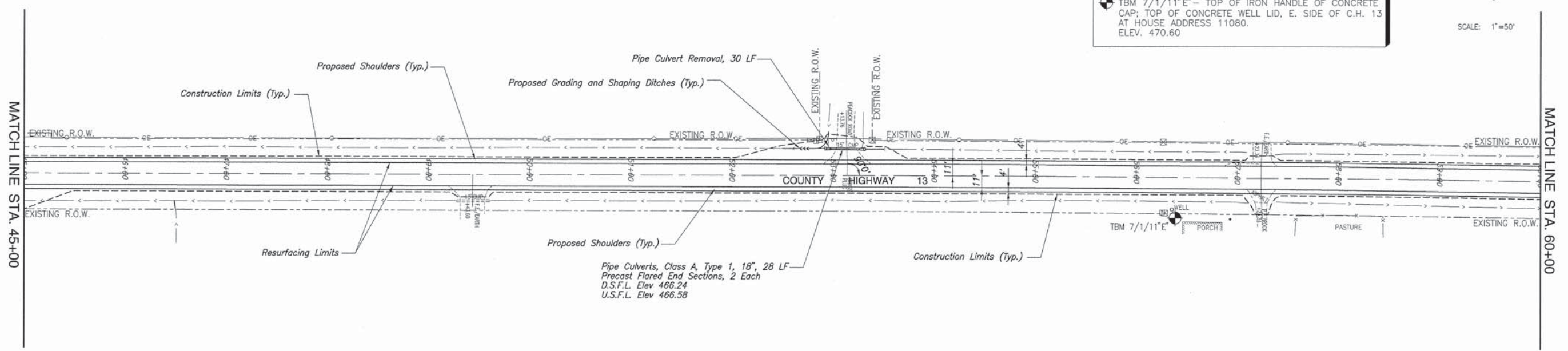
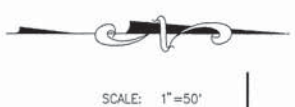
BENCHMARK DATA

TBM 7/1/11"D - CHISELED "D" ON CONCRETE BOX CULVERT (N. END), NORTH SIDE OF DRIVE OF HOUSE ADDRESS 10660, E. SIDE OF C.H. 13. ELEV. 465.62



BENCHMARK DATA

TBM 7/1/11"E - TOP OF IRON HANDLE OF CONCRETE CAP; TOP OF CONCRETE WELL LID, E. SIDE OF C.H. 13 AT HOUSE ADDRESS 11080. ELEV. 470.60

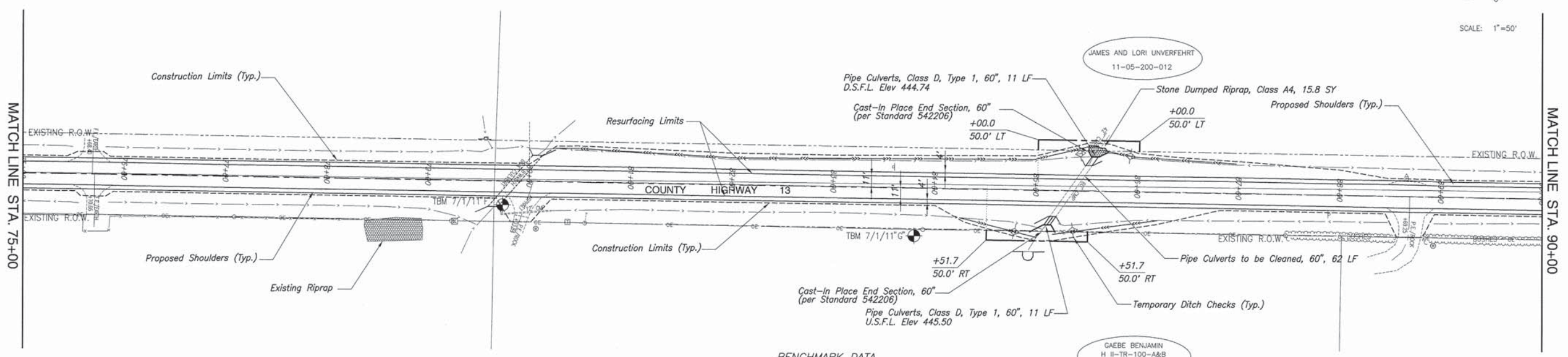
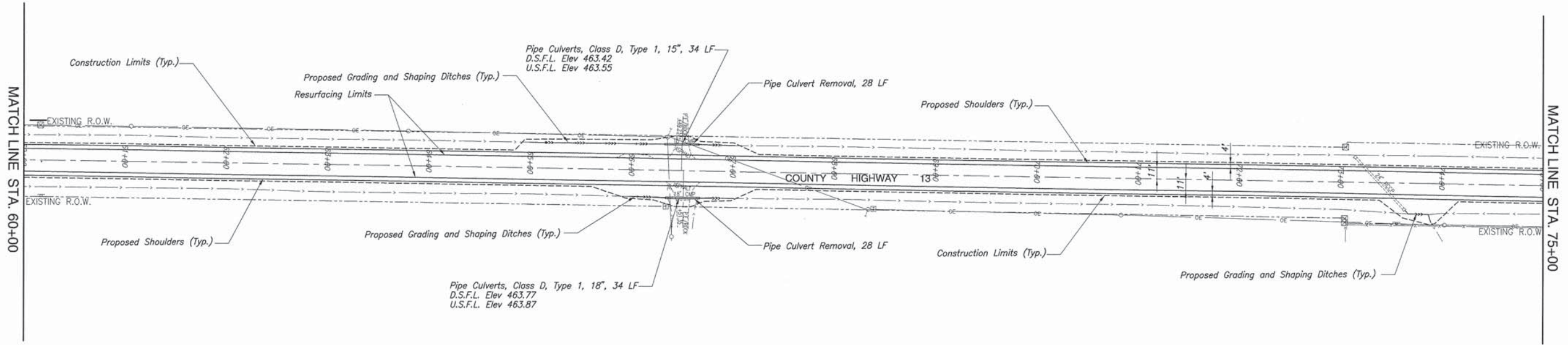


K:\40611_Washington_County_CH13_Resurfacing\Drawings\09_Plan_3.dwg, 4/24/2013 8:40:14 AM, Plotted by T.J.L.

F.A.S. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
832	09-00087-00-RS	WASHINGTON	37	10
FEDERAL AID PROJECT			CONTRACT 97523	



SCALE: 1"=50'



BENCHMARK DATA

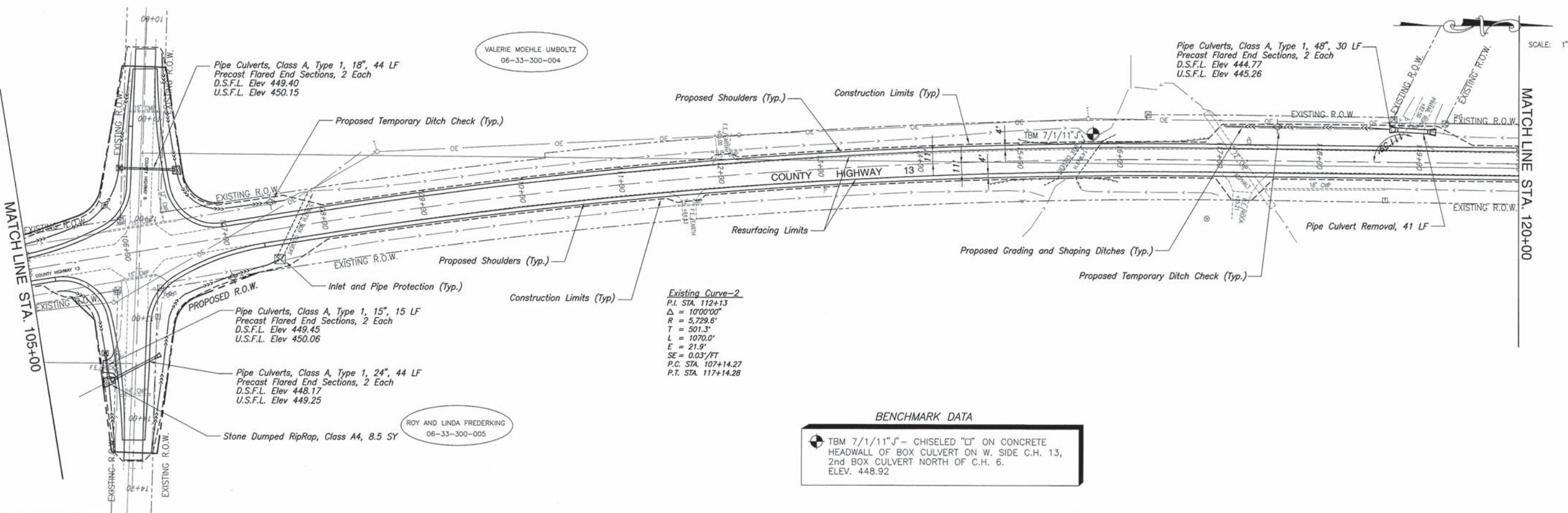
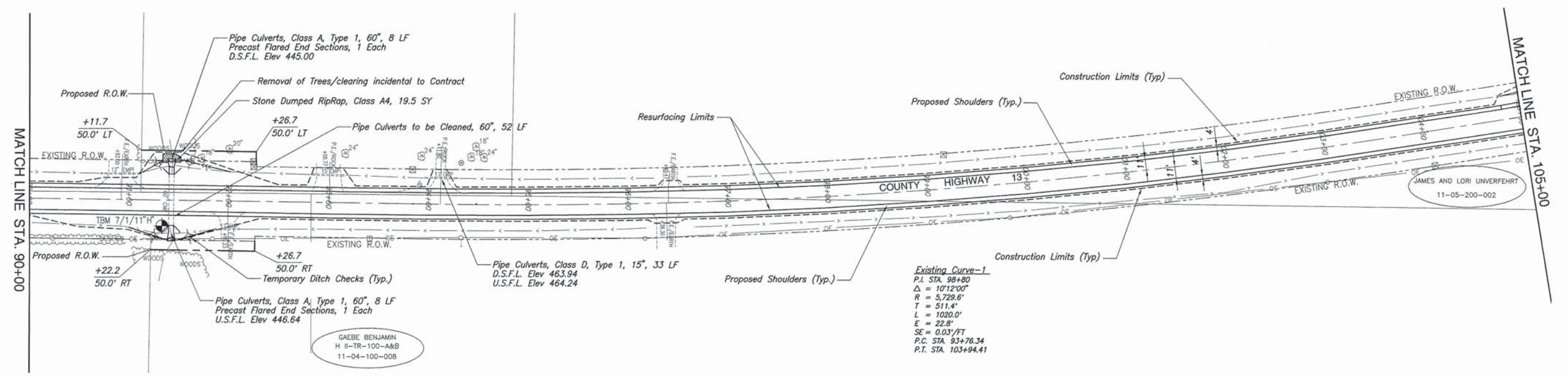
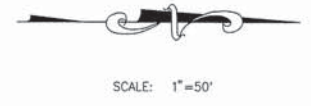
- TBM 7/1/11" F - CHISELED "C" ON CENTER OF CONCRETE HEADWALL OF BOX CULVERT ON E. SIDE C.H. 13, ±25' SOUTH OF DRIVE. ELEV. 454.57
- TBM 7/1/11" G - RAILROAD SPIKE IN WEST FACE OF POWER POLE; EAST SIDE C.H. 13, 1st POWER SOUTH OF 60' CMP. ELEV. 458.90

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F.A.S. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
832	09-00087-00-RS	WASHINGTON	37	11
FEDERAL AID PROJECT			CONTRACT 97523	

BENCHMARK DATA

TBM 7/1/11"H - CHISELED "C" ON CENTER OF CONCRETE HEADWALL OF BOX CULVERT ON E. SIDE C.H. 13, ±1460' SOUTH OF C.H. 6. ELEV. 452.40

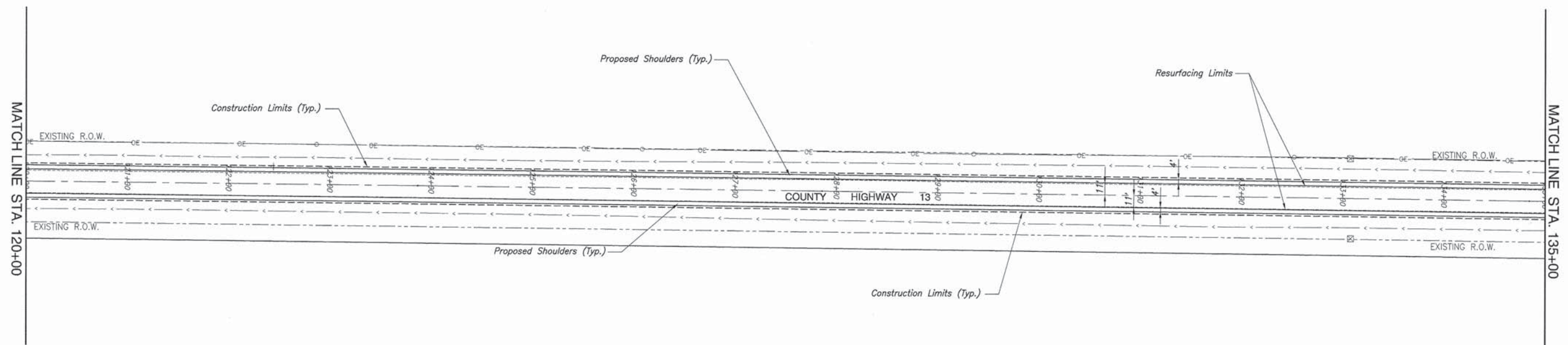


BENCHMARK DATA

TBM 7/1/11"J" - CHISELED "C" ON CONCRETE HEADWALL OF BOX CULVERT ON W. SIDE C.H. 13, 2nd BOX CULVERT NORTH OF C.H. 6. ELEV. 448.92

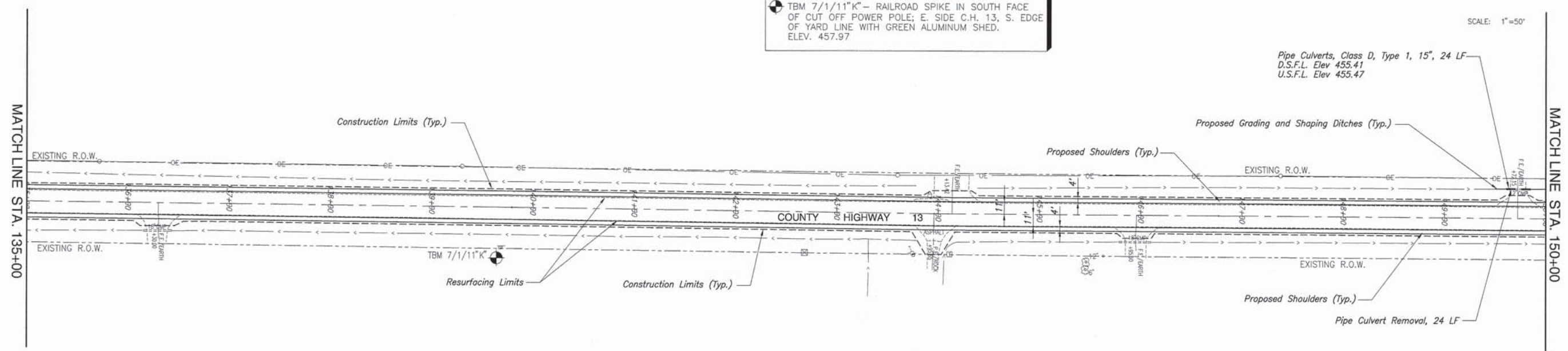
F.A.S. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
832	09-00087-00-RS	WASHINGTON	37	12
FEDERAL AID PROJECT			CONTRACT 97523	

SCALE: 1"=50'



BENCHMARK DATA
 TBM 7/1/11"K - RAILROAD SPIKE IN SOUTH FACE OF CUT OFF POWER POLE; E. SIDE C.H. 13, S. EDGE OF YARD LINE WITH GREEN ALUMINUM SHED. ELEV. 457.97

SCALE: 1"=50'



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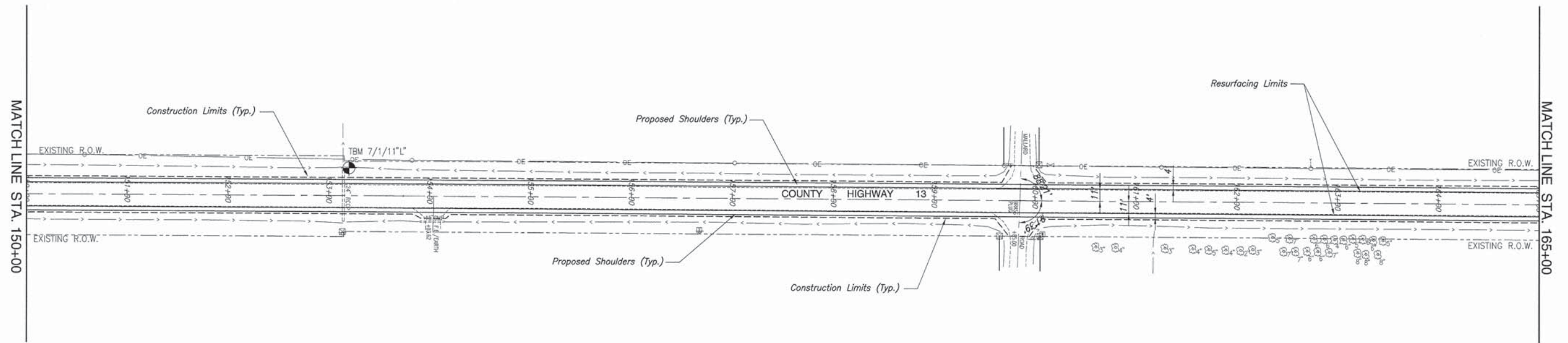
BENCHMARK DATA

TBM 7/1/11"L" - CHISELED "L" ON CONCRETE END SECTION OF RCCP ON W. SIDE C.H. 13, CROP / DITCH LINE TO WEST. ELEV. 456.83



SCALE: 1"=50'

F.A.S. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
832	09-00087-00-RS	WASHINGTON	37	13
FEDERAL AID PROJECT			CONTRACT 97523	

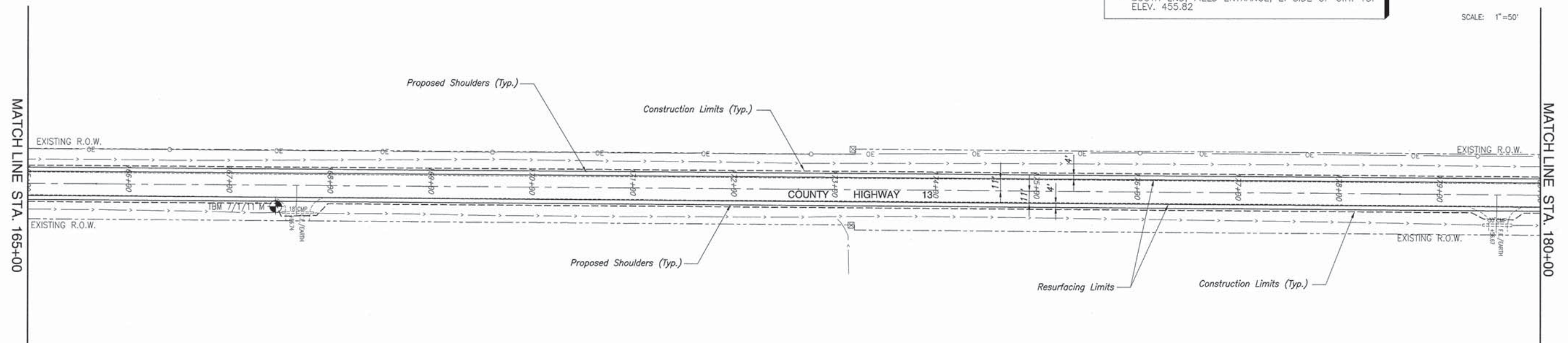


BENCHMARK DATA

TBM 7/1/11"M" - SET MAG NAIL ON TOP OF CMP, SOUTH END, FIELD ENTRANCE, E. SIDE OF C.H. 13. ELEV. 455.82




SCALE: 1"=50'



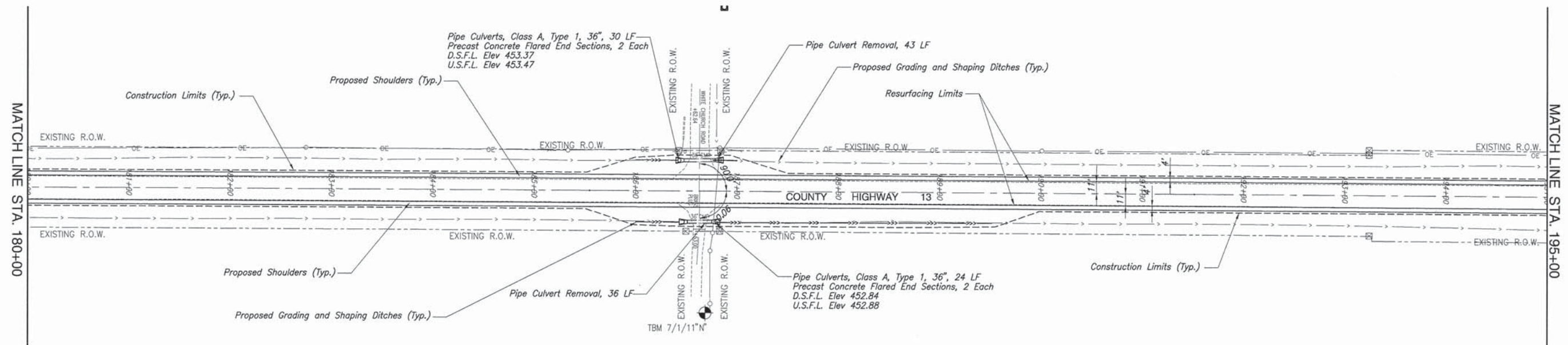
F.A.S. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
832	09-00087-00-RS	WASHINGTON	37	14
FEDERAL AID PROJECT			CONTRACT 97532	

BENCHMARK DATA


 TBM 7/1/11"N" - RAILROAD SPIKE IN S. FACE POWER POLE, ±100' EAST OF C.H. 13, NORTH SIDE OF DRIVE AT WHITE CHURCH ROAD. ELEV. 456.74



SCALE: 1"=50'

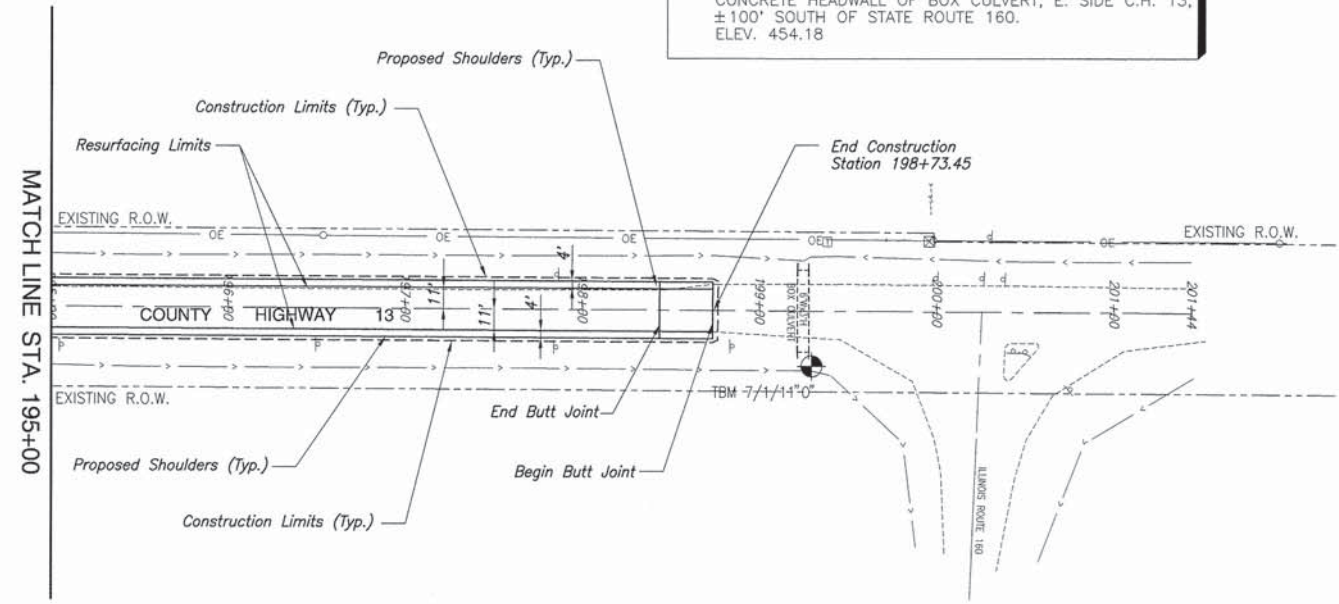


BENCHMARK DATA

 TBM 7/1/11"O" - CHISELED "O" ON CENTER OF CONCRETE HEADWALL OF BOX CULVERT, E. SIDE C.H. 13, ±100' SOUTH OF STATE ROUTE 160. ELEV. 454.18

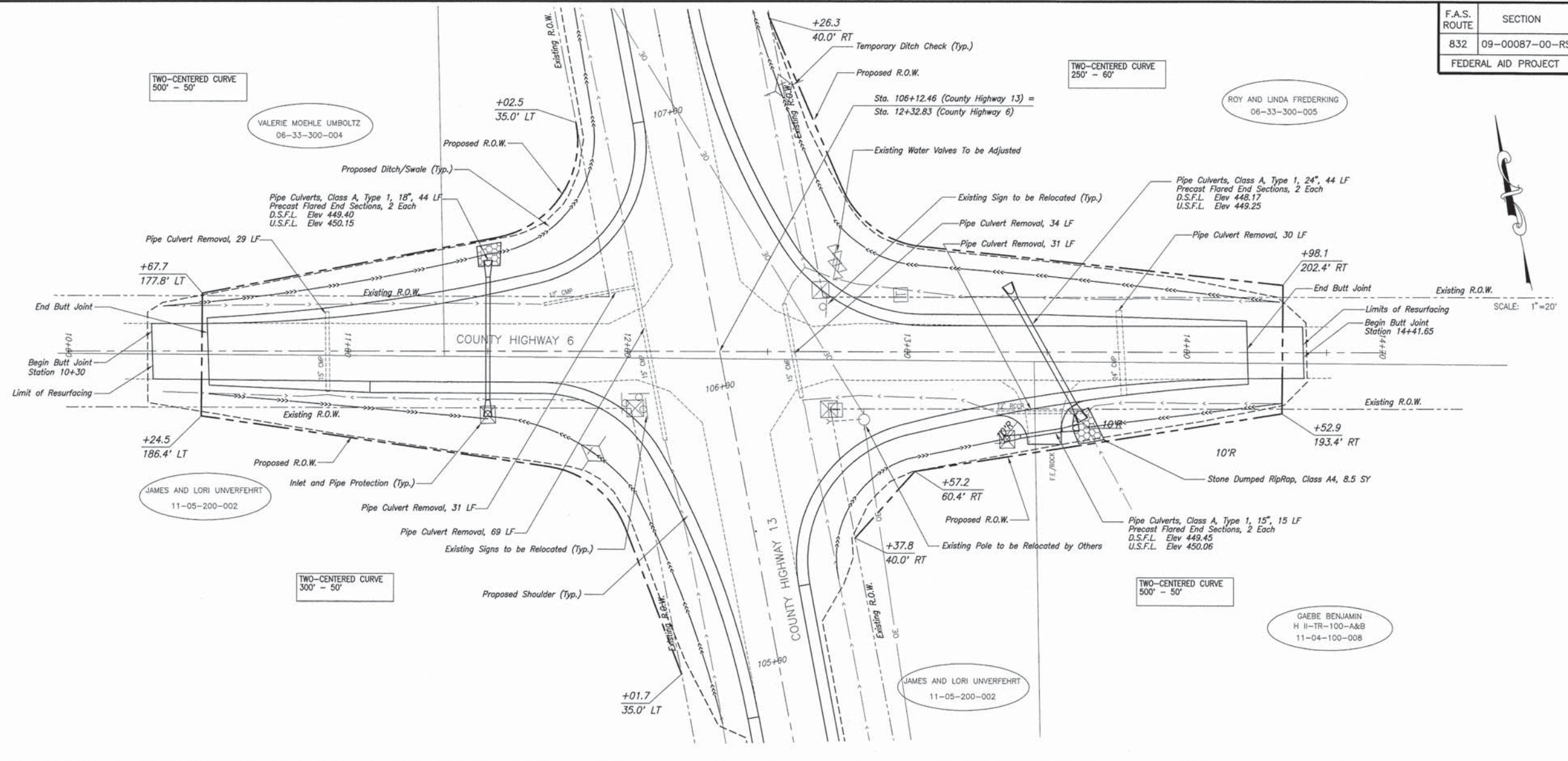


SCALE: 1"=50'



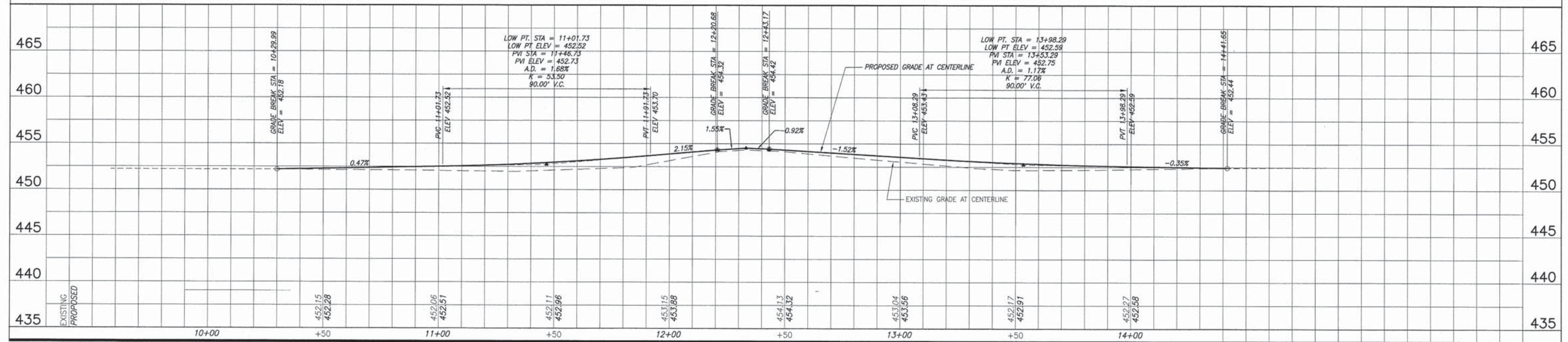
K:\06811...Washington...County...CH13...Resurfacing\Fig\14_Plan_7.dwg, 4/24/2013 8:45:45 AM, Plotted by T.J.L.

F.A.S. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
832	09-00087-00-RS	WASHINGTON	37	15
FEDERAL AID PROJECT			CONTRACT 97523	



SCALE: 1"=20'

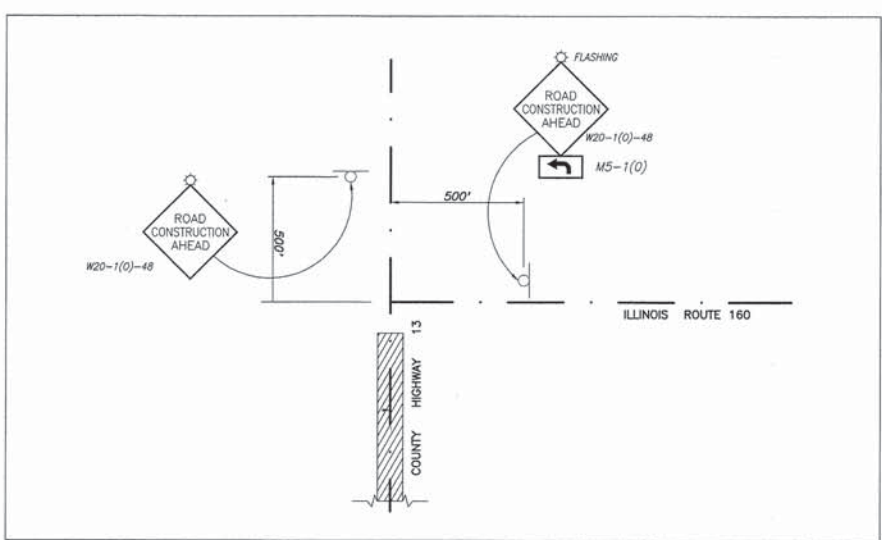
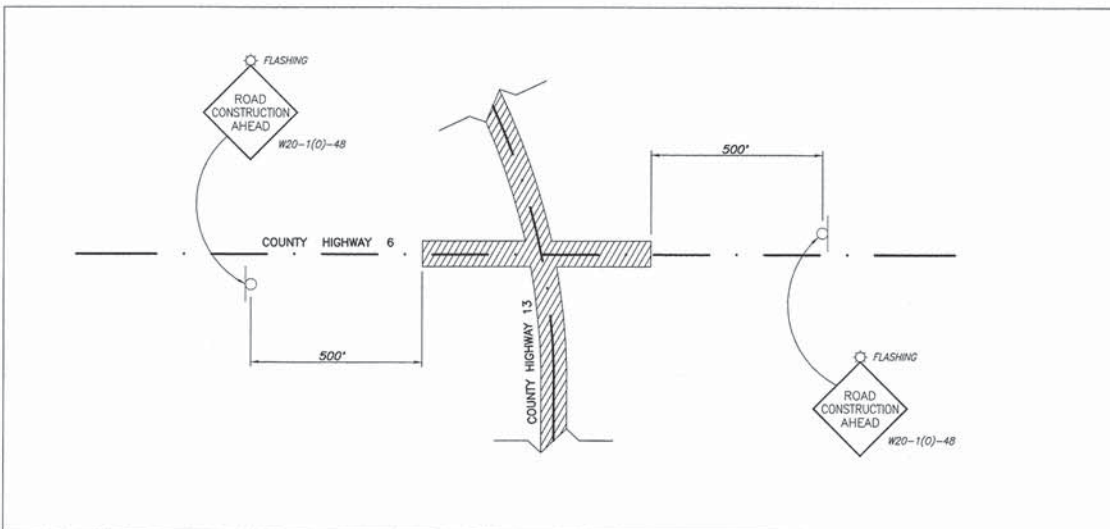
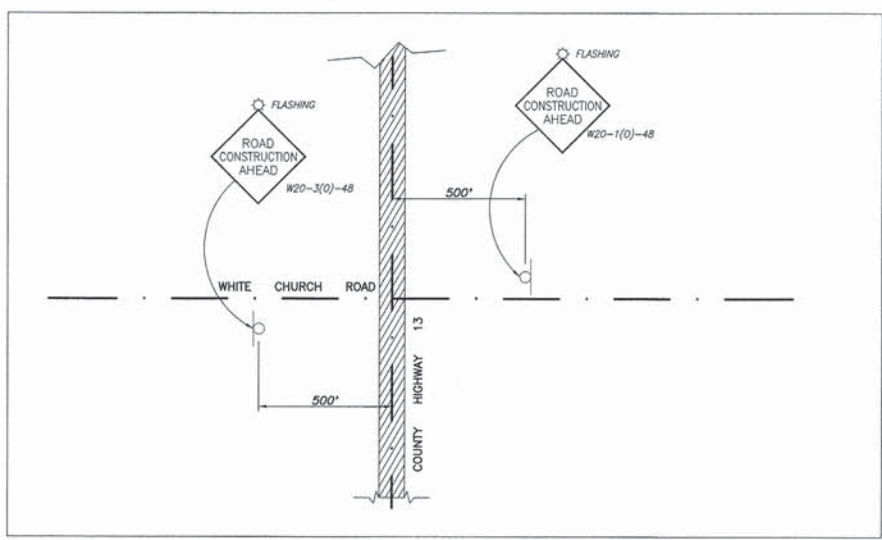
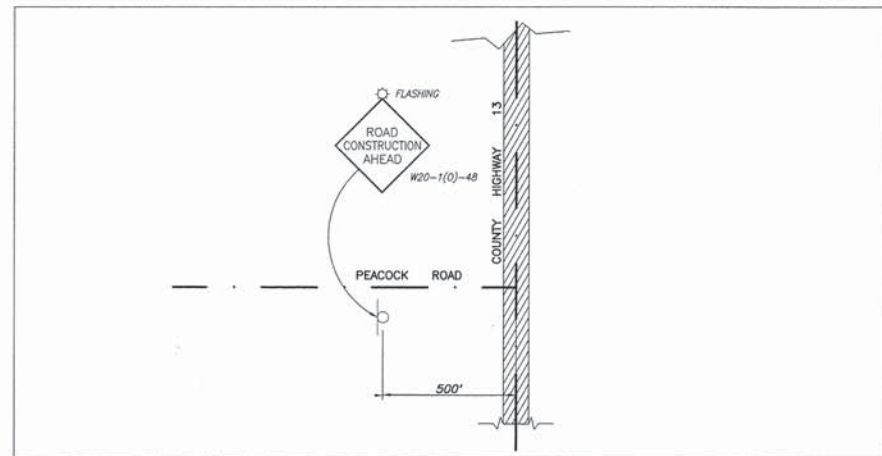
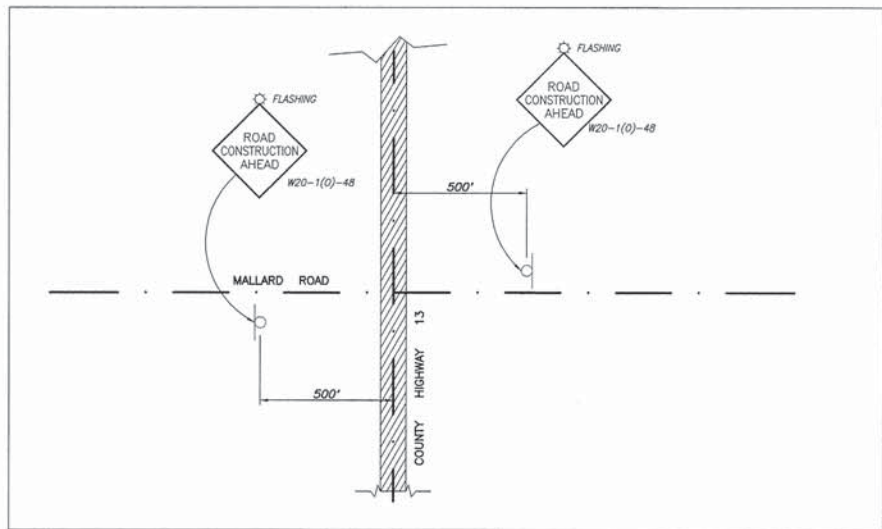
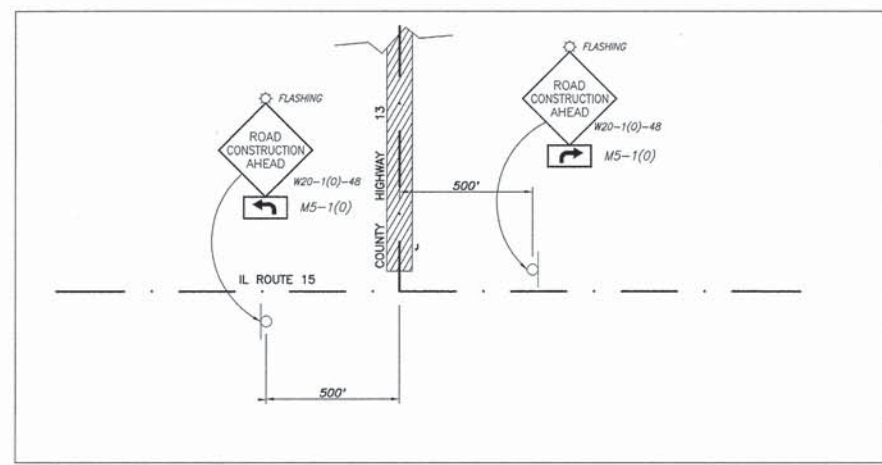
SCALE:
 PLAN: 1"=20'
 PROFILE: 1"=20' HORIZ.
 1"=5' VERT.



COUNTY HIGHWAY 6 PLAN AND PROFILE COUNTY HIGHWAY 13 IMPROVEMENTS
 SECTION 09-00087-00-RS WASHINGTON COUNTY, ILLINOIS

K:\06111_Washington_County_Ch13_Resurficing\15_Ch6_pbr_profile.dwg, 4/24/2013 8:48:23 AM, Plotted by T.J.L.

F.A.S. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
832	09-00087-00-RS	WASHINGTON	37	16
STA. 0+13 TO		STA. 198+73.45		
FEDERAL AID PROJECT		CONTRACT 97523		

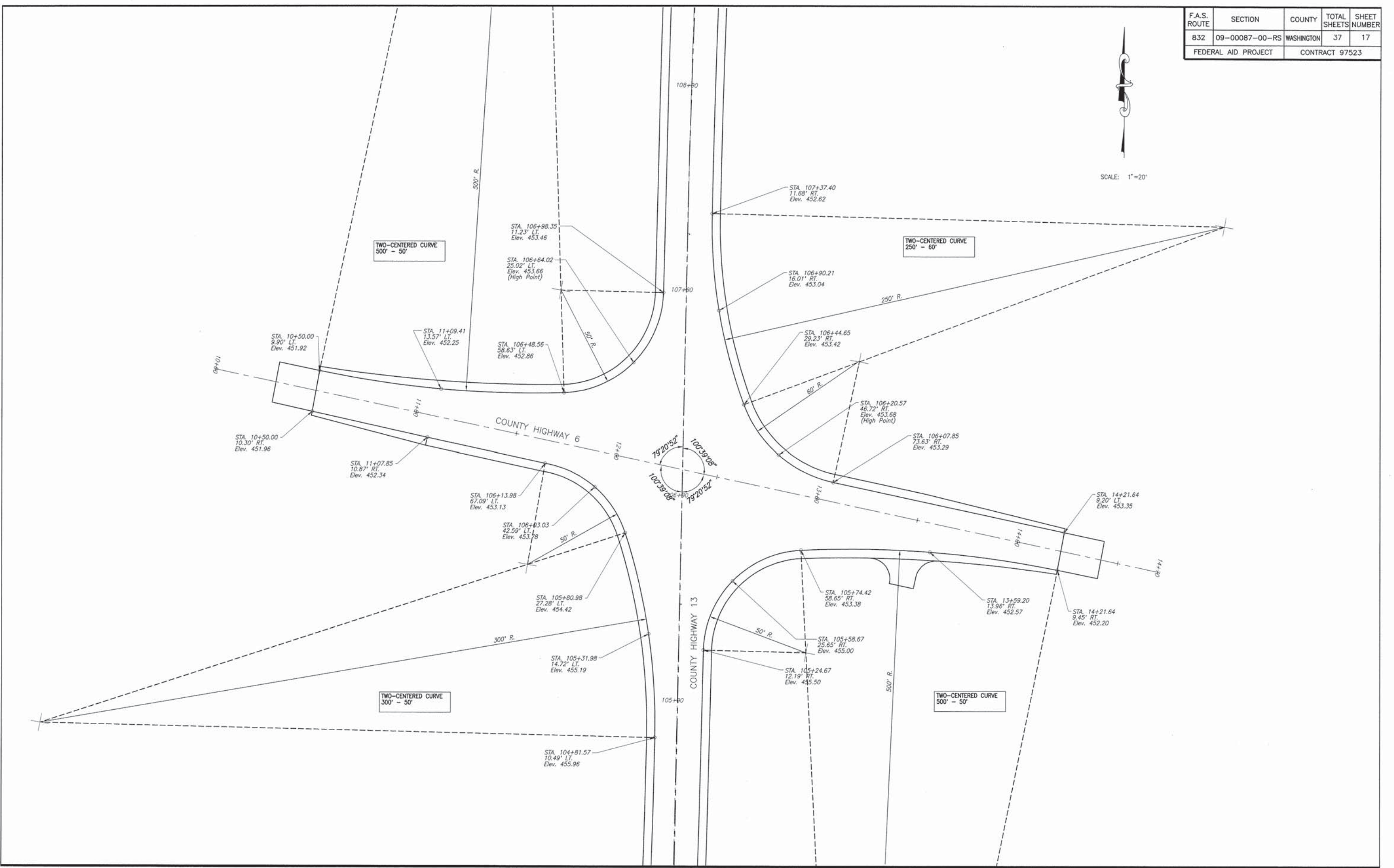


NOT TO SCALE

AREA OF IMPROVEMENTS -

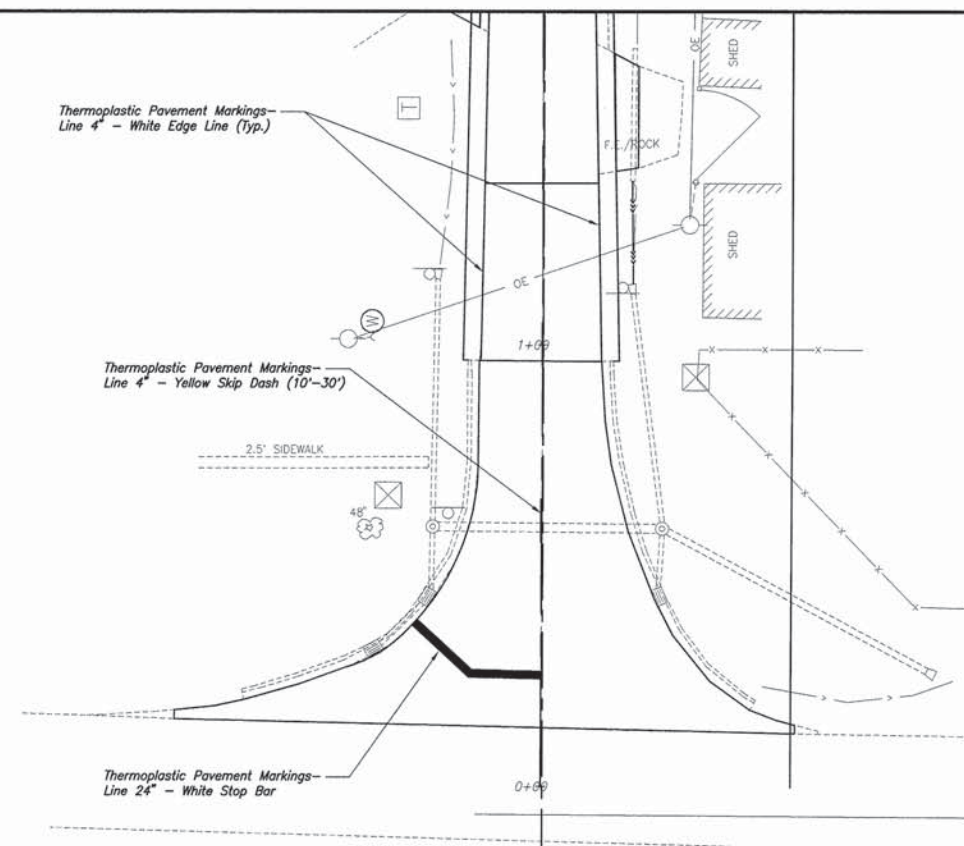
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F.A.S. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
832	09-00087-00-RS	WASHINGTON	37	17
FEDERAL AID PROJECT		CONTRACT 97523		

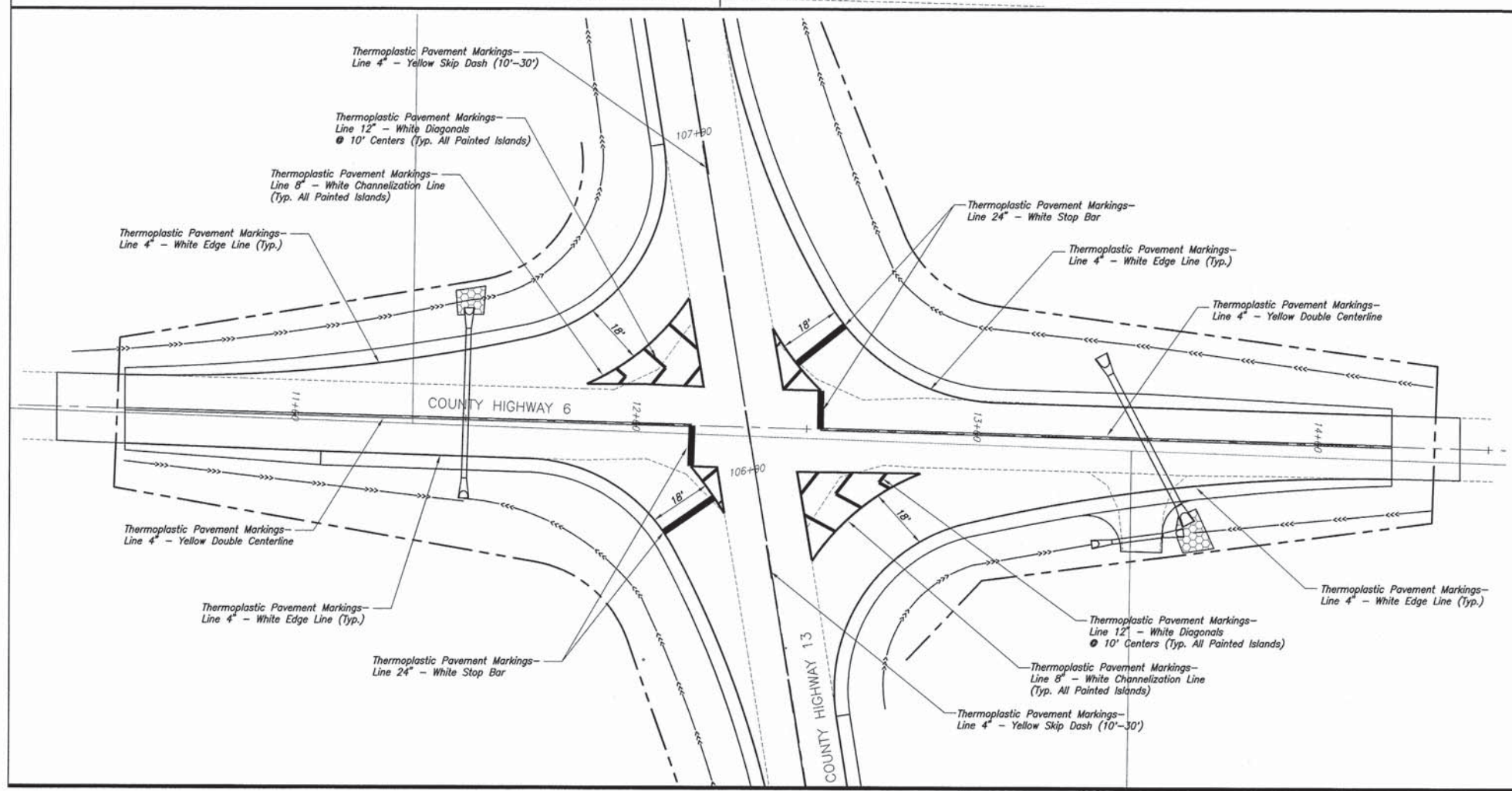


INTERSECTION GEOMETRIC DETAIL COUNTY HIGHWAY 13 IMPROVEMENTS
SECTION 09-00087-00-RS WASHINGTON COUNTY, ILLINOIS

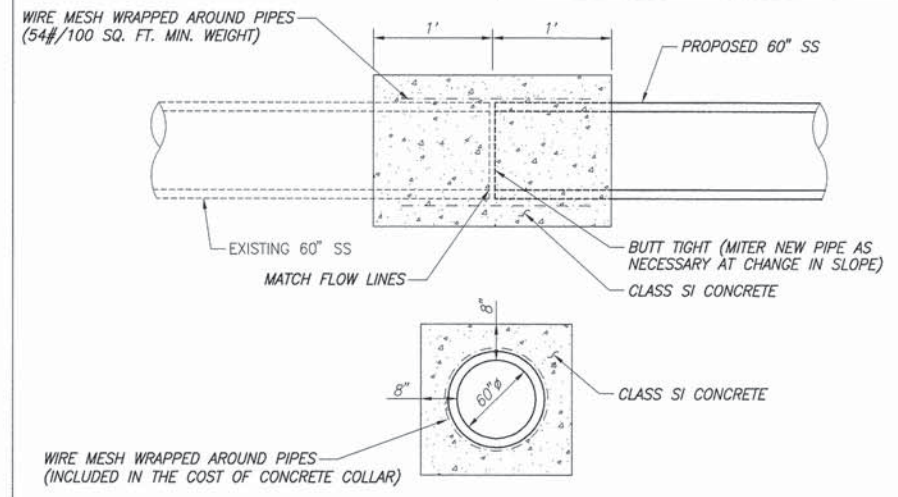
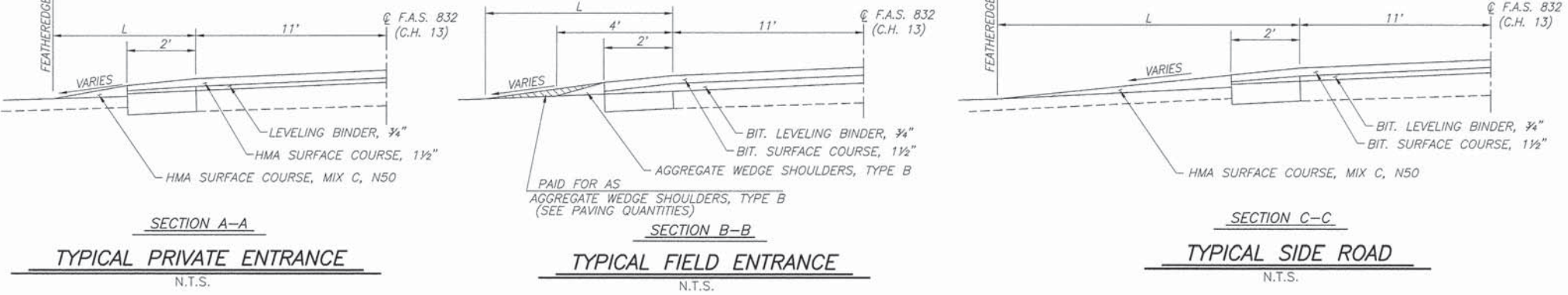
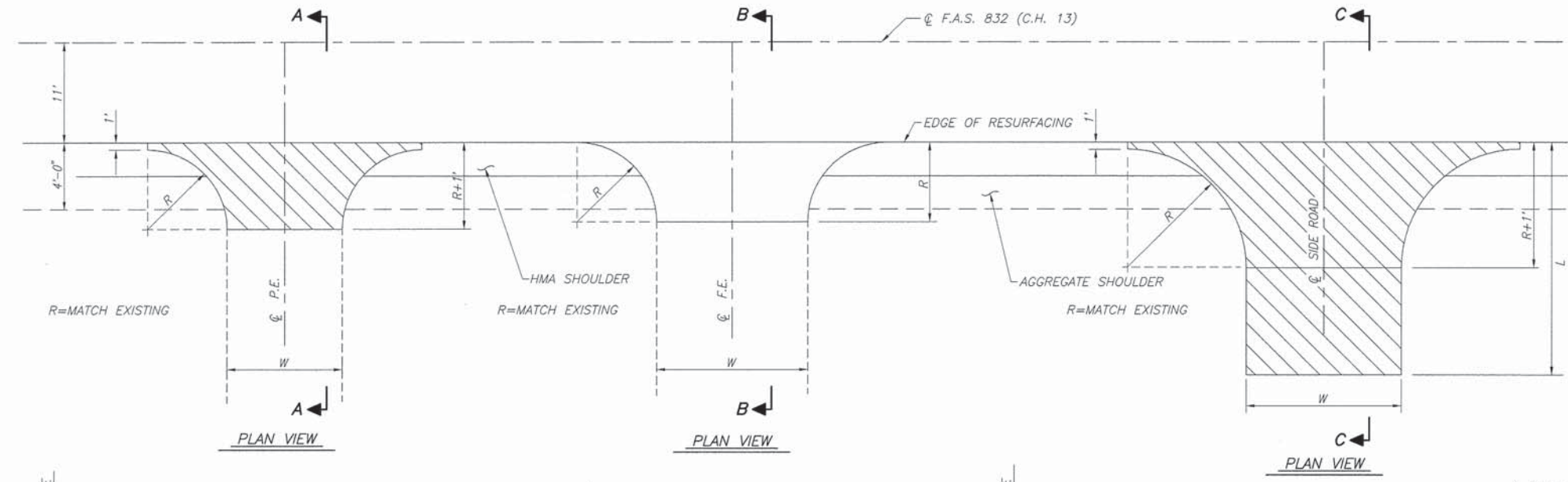
F.A.S. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
832	09-00087-00-RS	WASHINGTON	37	18
FEDERAL AID PROJECT		CONTRACT 97523		



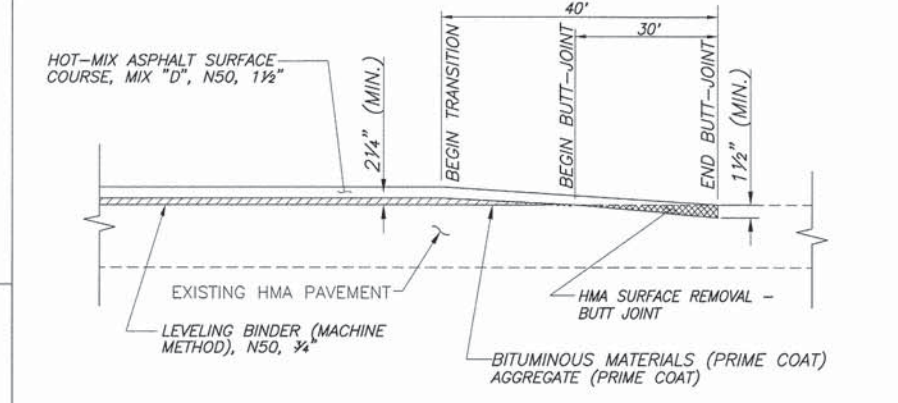
- NOTES:
1. 4" SKIP-DASH (10'-30') CENTERLINE EXTENDS ENTIRE LENGTH OF PROJECT.
 2. 4" EDGE LINES BOTH SIDES OF PAVEMENT FOR ENTIRE LENGTH OF PROJECT. OMIT 4" EDGE LINES AT ALL SIDE ROADS 40 FEET EACH SIDE OF SIDE ROAD (EXCEPT CH 6 INTERSECTION) CENTERLINE AS DIRECTED BY THE ENGINEER. NO EDGE LINE IN CURBED SECTION.



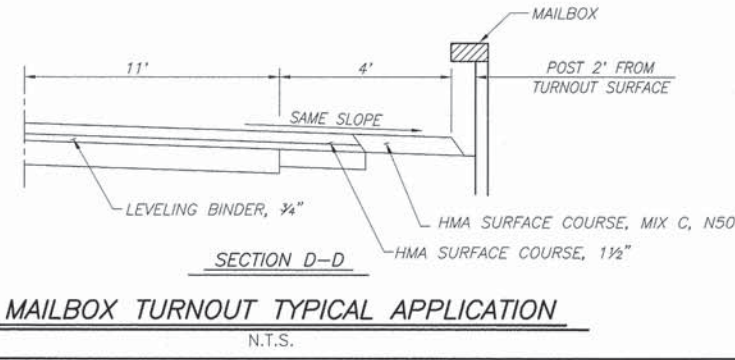
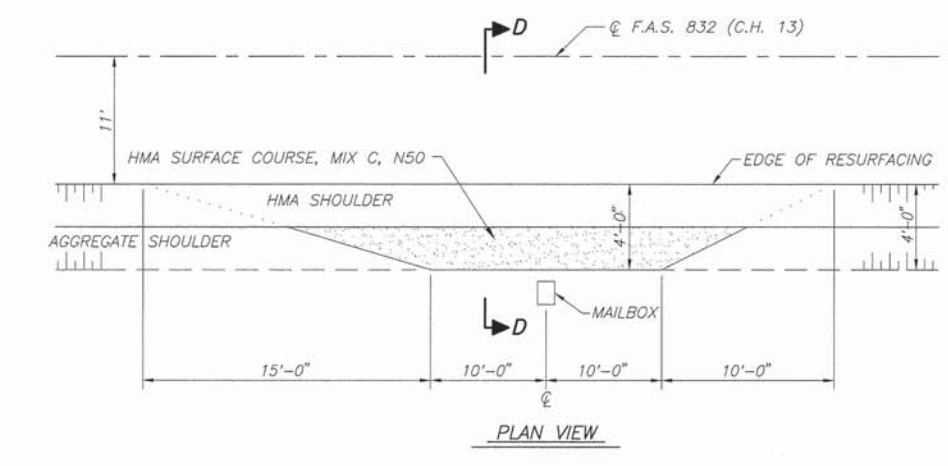
F.A.S. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
832	09-00087-00-RS	WASHINGTON	37	19
STA. 0+13 TO		STA. 198+73.45		
FEDERAL AID PROJECT			CONTRACT 97523	



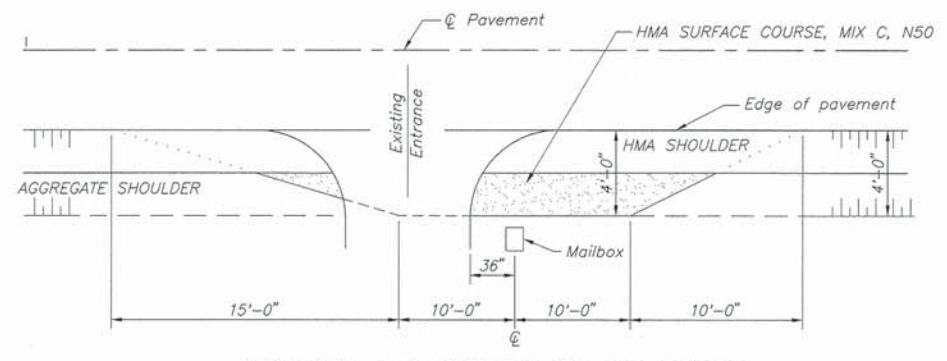
CONCRETE COLLAR DETAIL
N.T.S.



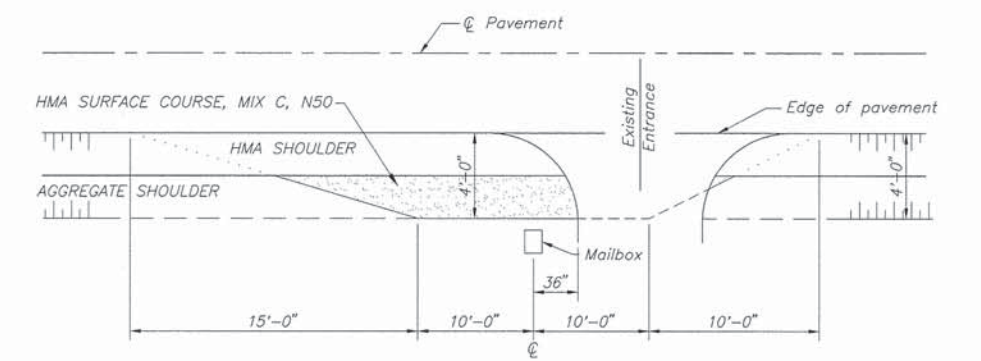
BUTT JOINT DETAIL
N.T.S.



MAILBOX TURNOUT TYPICAL APPLICATION
N.T.S.



MAILBOX ON FAR SIDE OF ENTRANCE

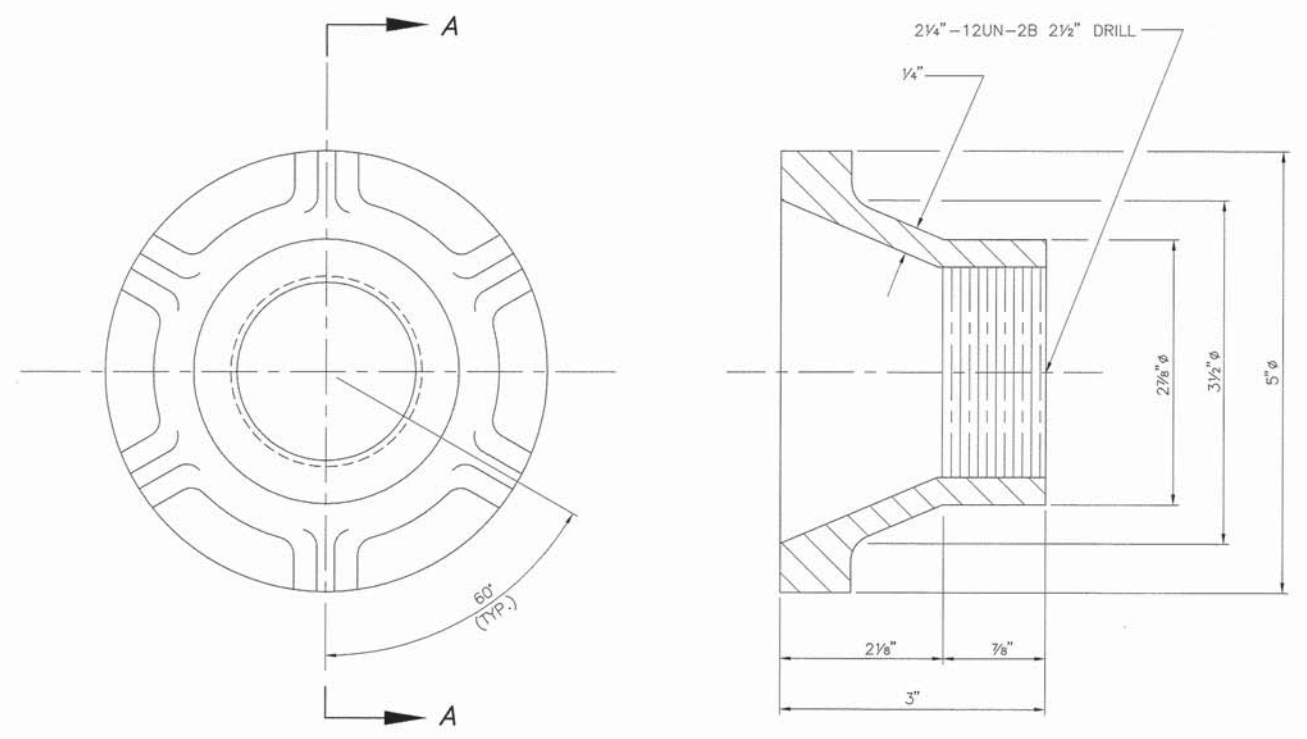


MAILBOX ON NEAR SIDE OF ENTRANCE

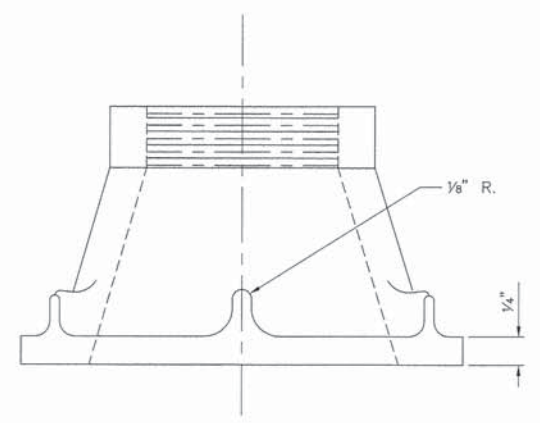
GENERAL NOTES
Mailboxes shall be mounted such that the face of the mailbox is 6" to 12" and the post a minimum of 24" from the edge of the turnout surfacing

K:\V0811 - Washington County - 2011 - 3 - Resurfacing\0919_20_150_271A15.dwg, 4/24/2013 9:40:49 AM, Plotted by M.A.L.

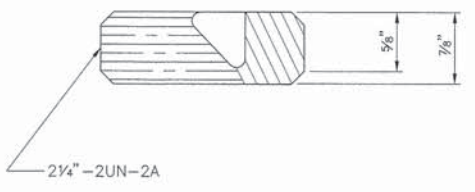
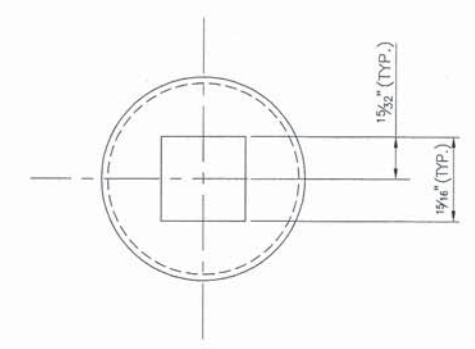
F.A.S. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
832	09-00087-00-RS	WASHINGTON	37	20
STA. 0+13 TO		STA. 198+73.45		
FEDERAL AID PROJECT		CONTRACT 97523		



SECTION A-A



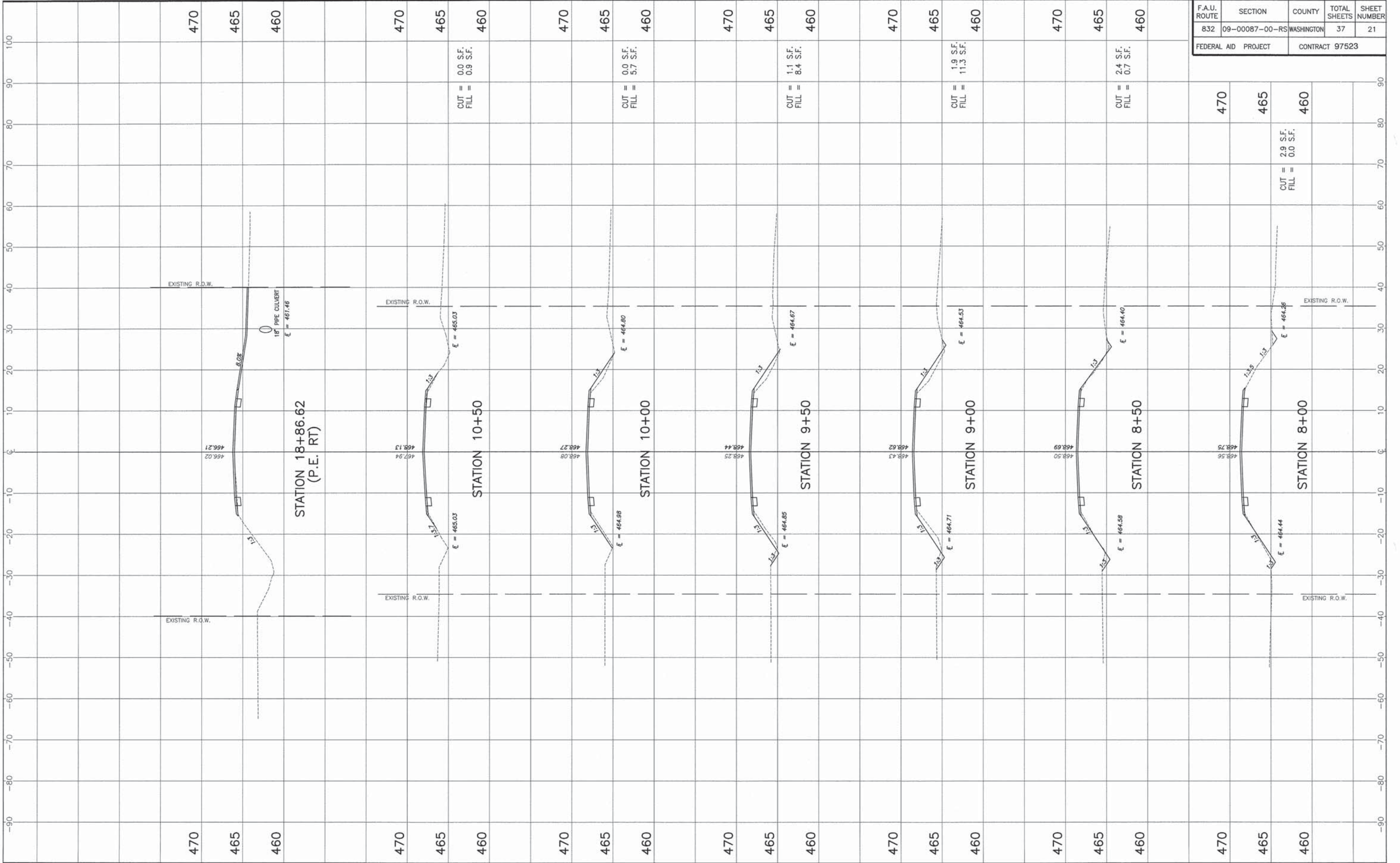
CAST IRON SURVEY
MONUMENT COVER



THREADED BRASS CAP

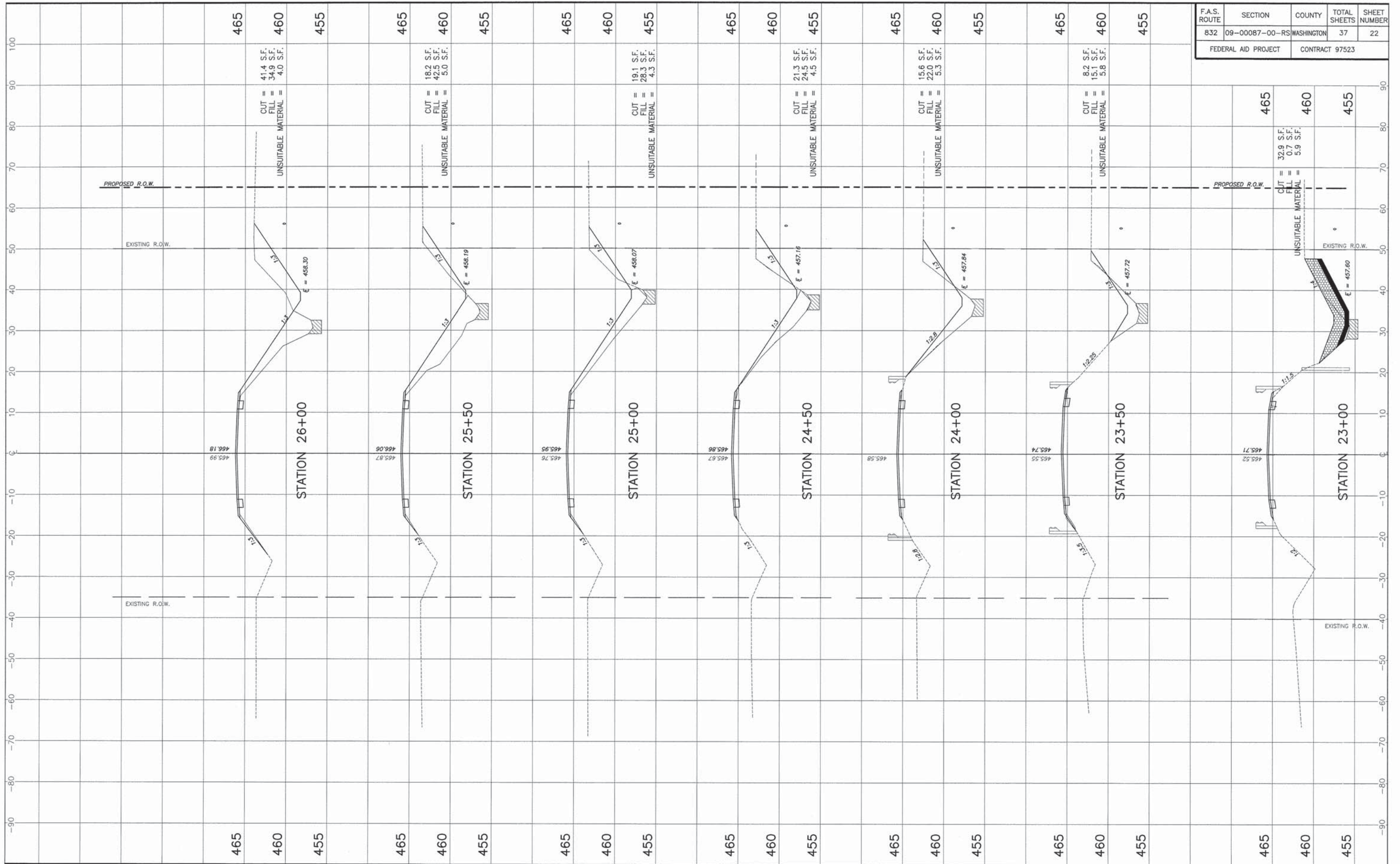
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F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
832	09-00087-00-RS	WASHINGTON	37	21
FEDERAL AID PROJECT		CONTRACT 97523		

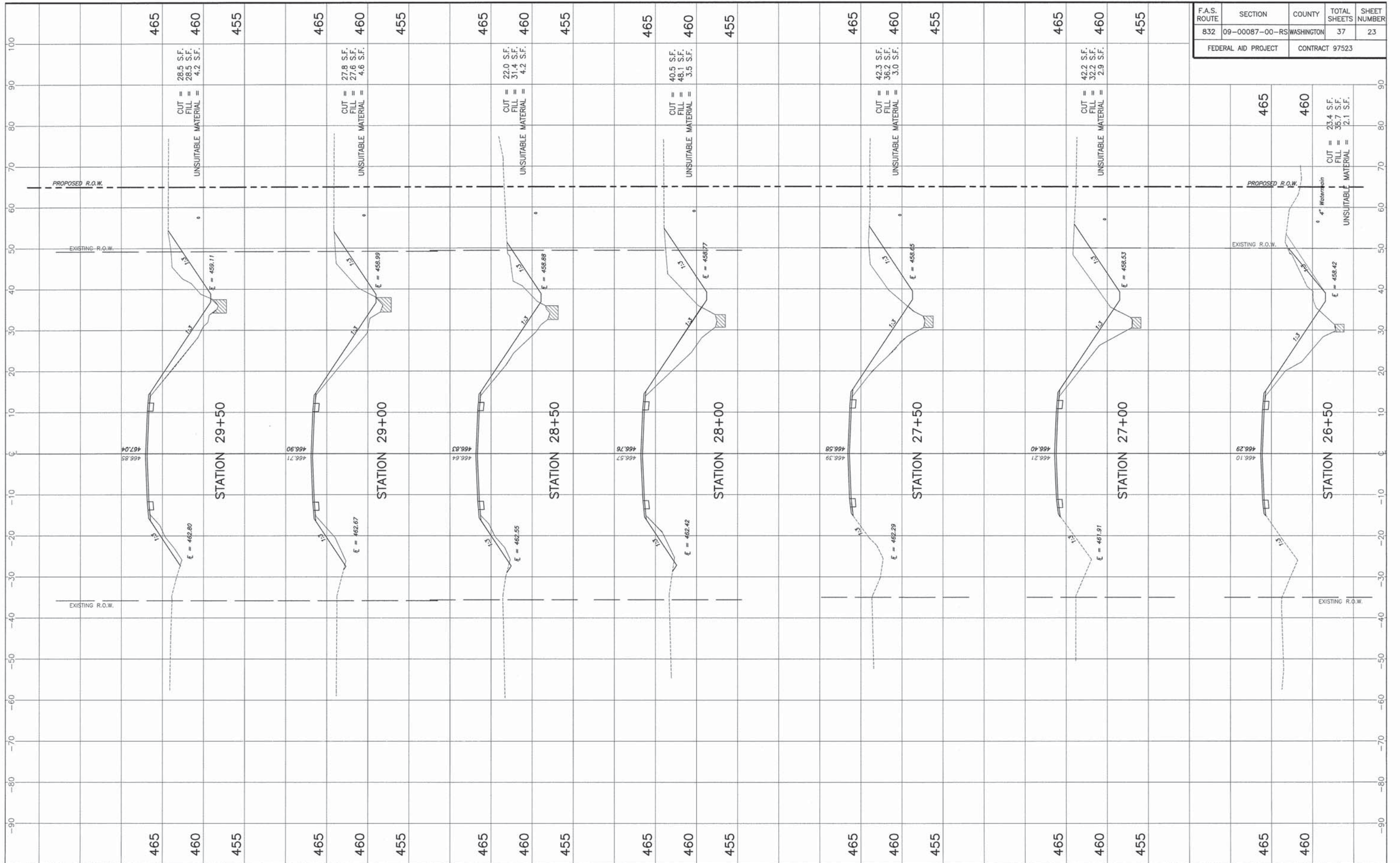


STA. 8+00 - STA. 10+50, STA. 18+86.62 CROSS SECTIONS
SECTION 09-00087-00-RS WASHINGTON COUNTY, ILLINOIS

F.A.S. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
832	09-00087-00-RS	WASHINGTON	37	22
FEDERAL AID PROJECT		CONTRACT 97523		

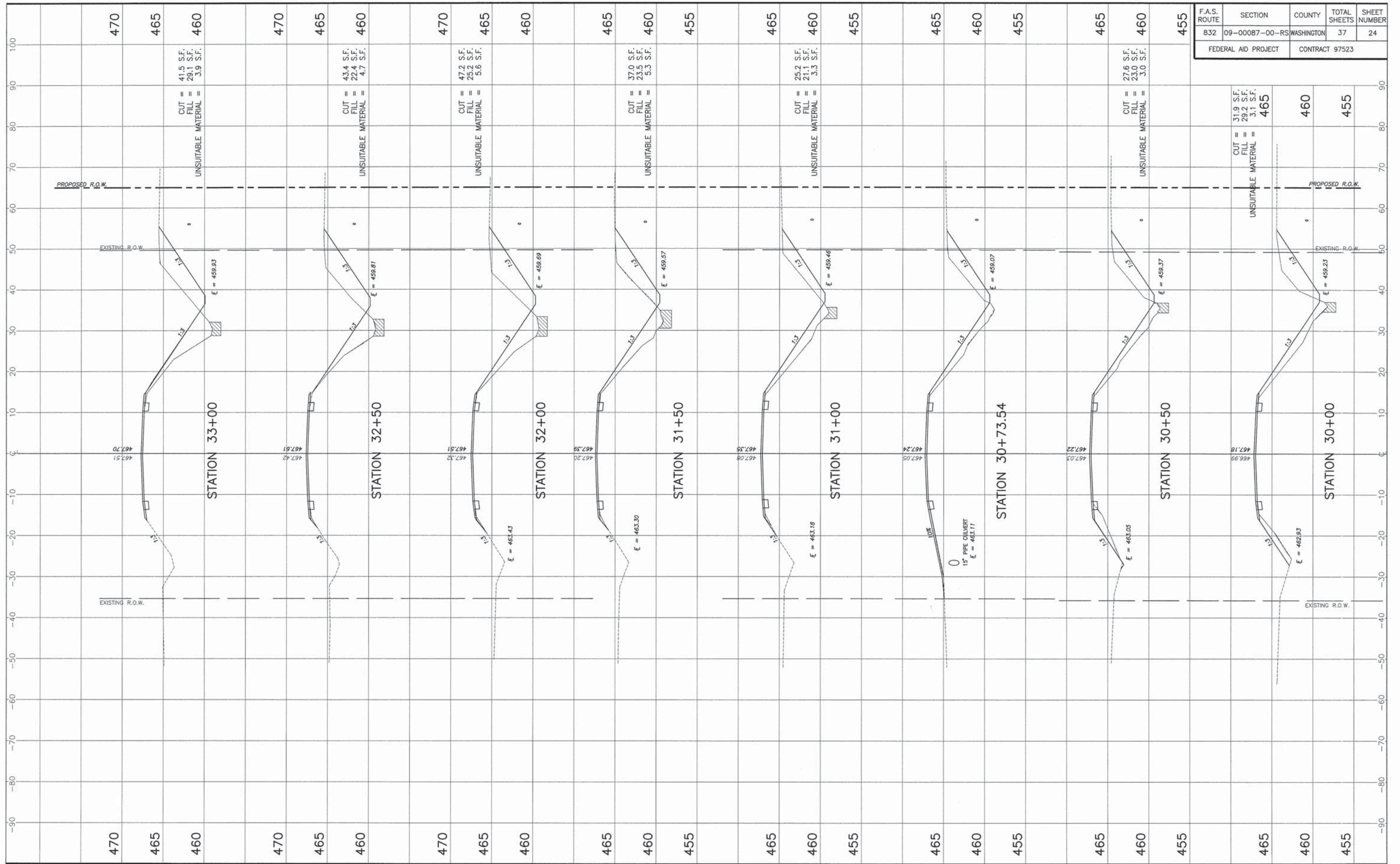


F.A.S. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
832	09-00087-00-RS	WASHINGTON	37	23
FEDERAL AID PROJECT		CONTRACT 97523		

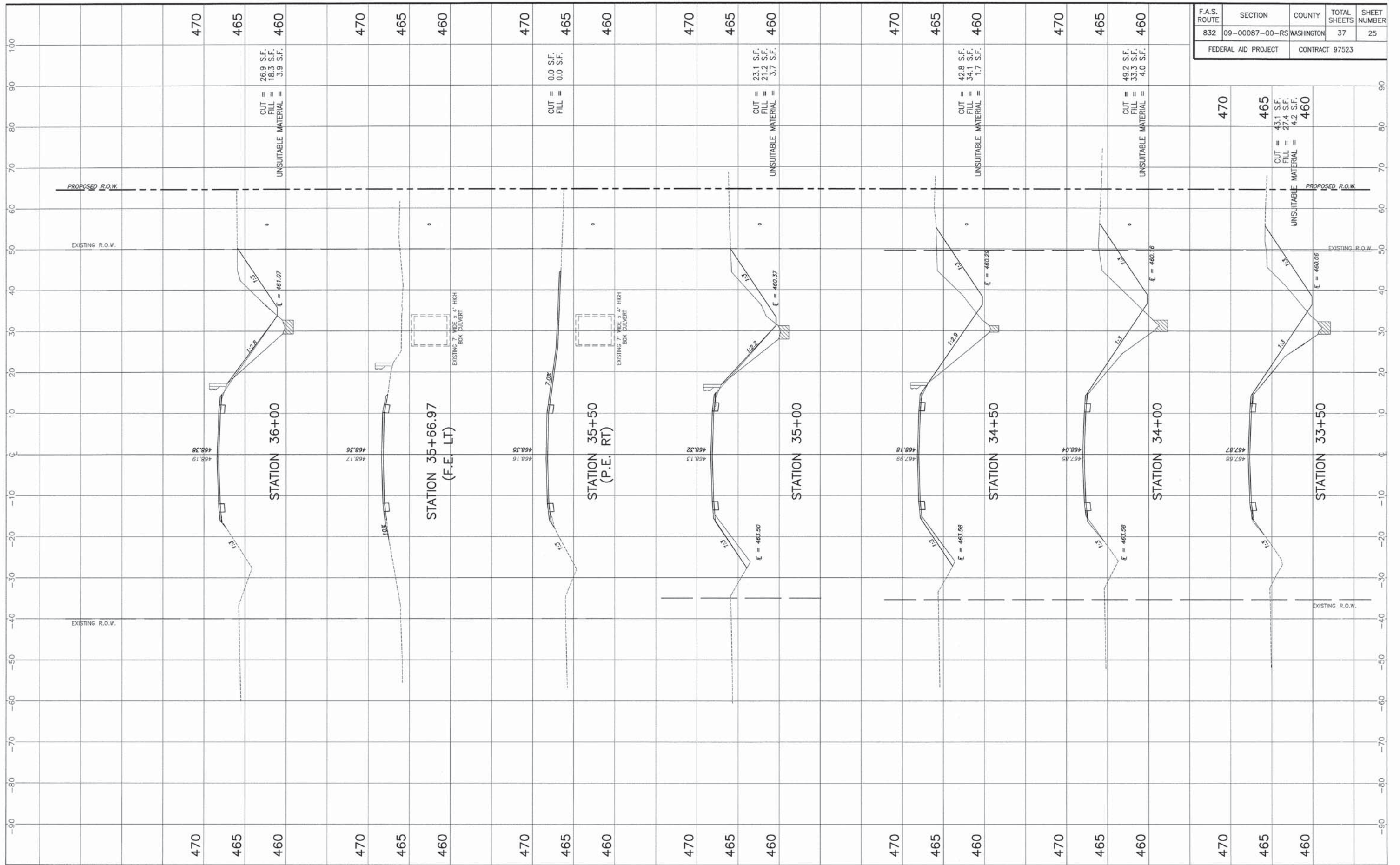


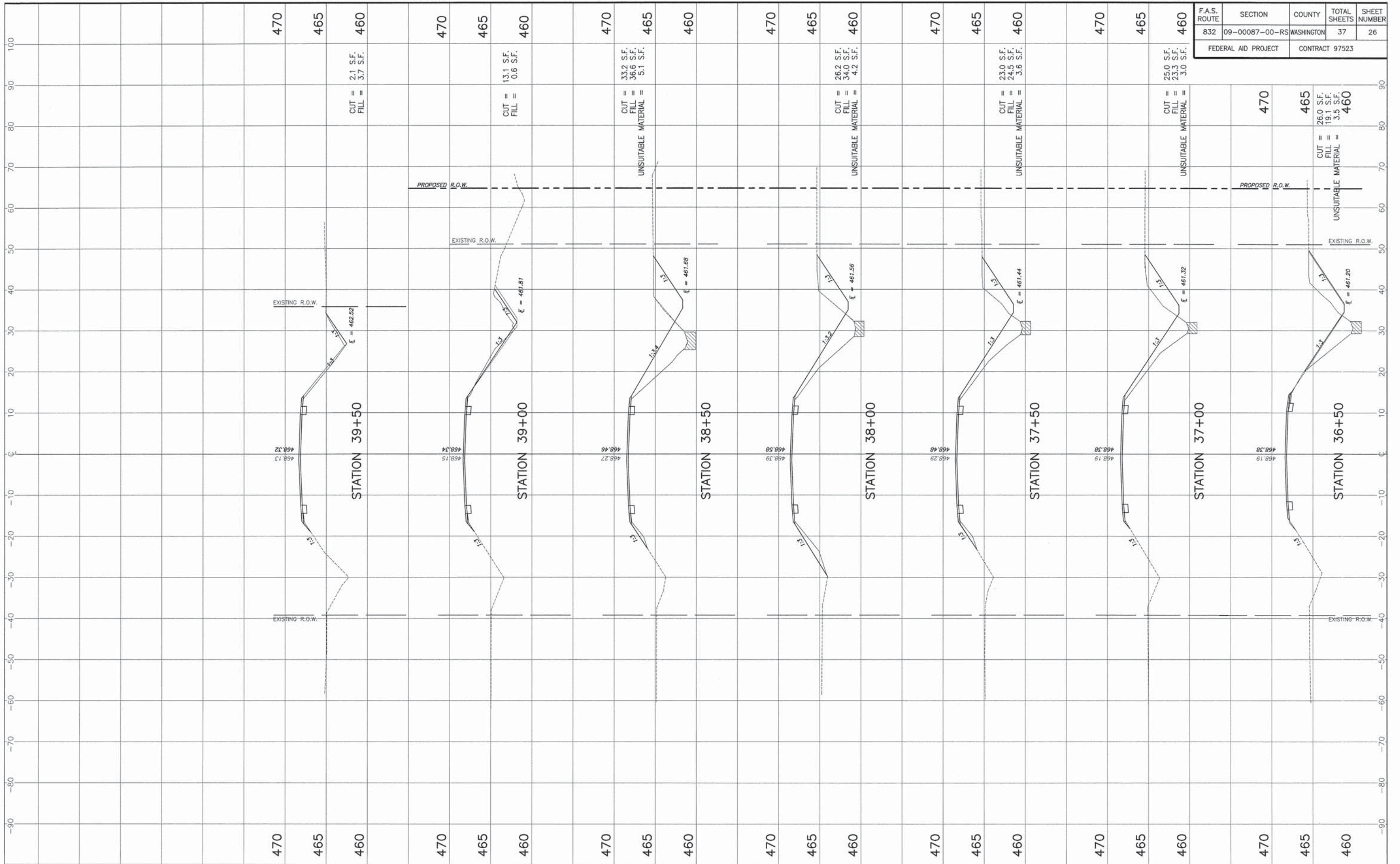
COUNTY HIGHWAY 13 STA. 26+50 - STA. 29+50 CROSS SECTIONS
SECTION 09-00087-00-RS WASHINGTON COUNTY, ILLINOIS

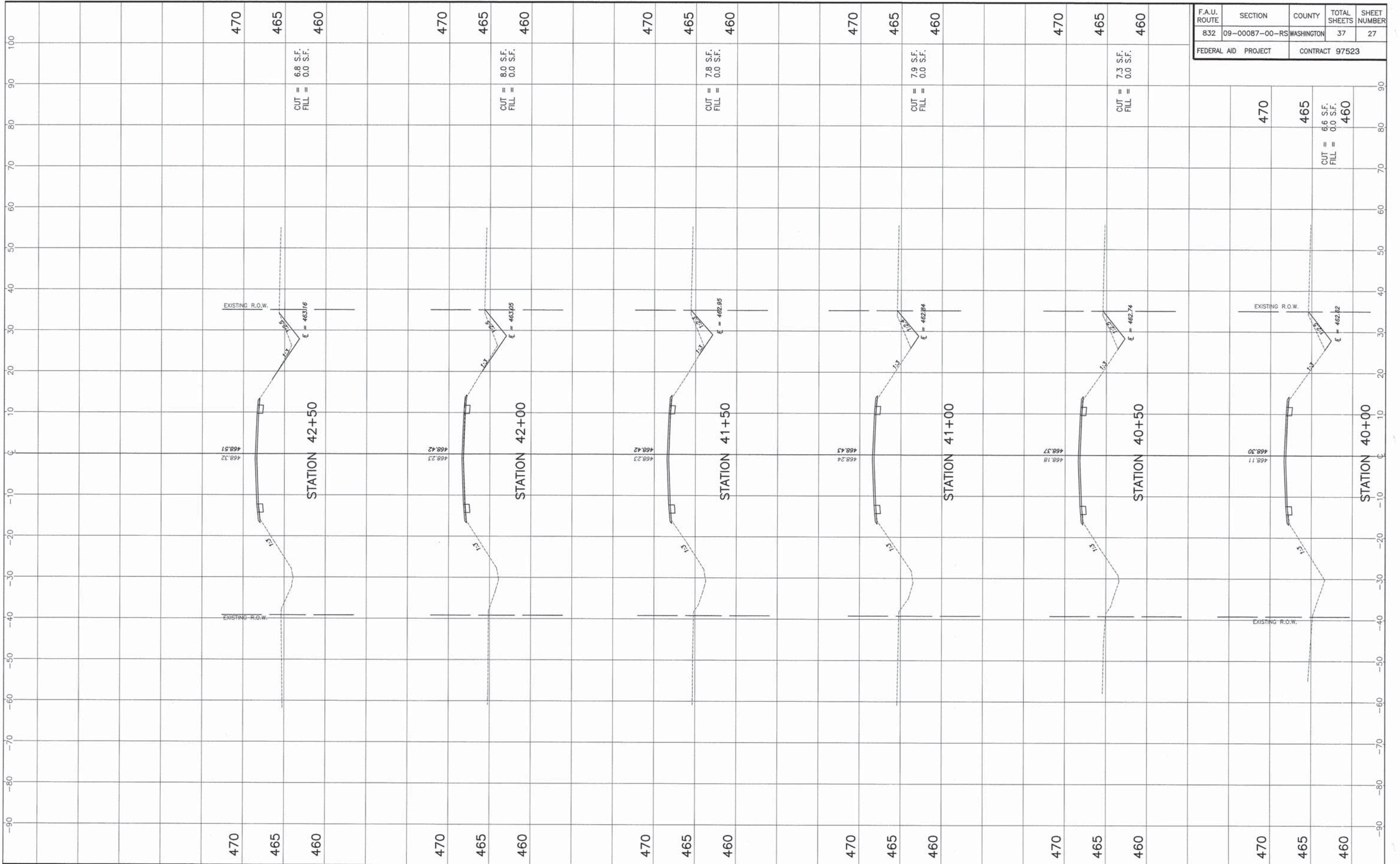
F.A.S. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
832	09-00087-00-RS	WASHINGTON	37	24
FEDERAL AID PROJECT		CONTRACT 97523		



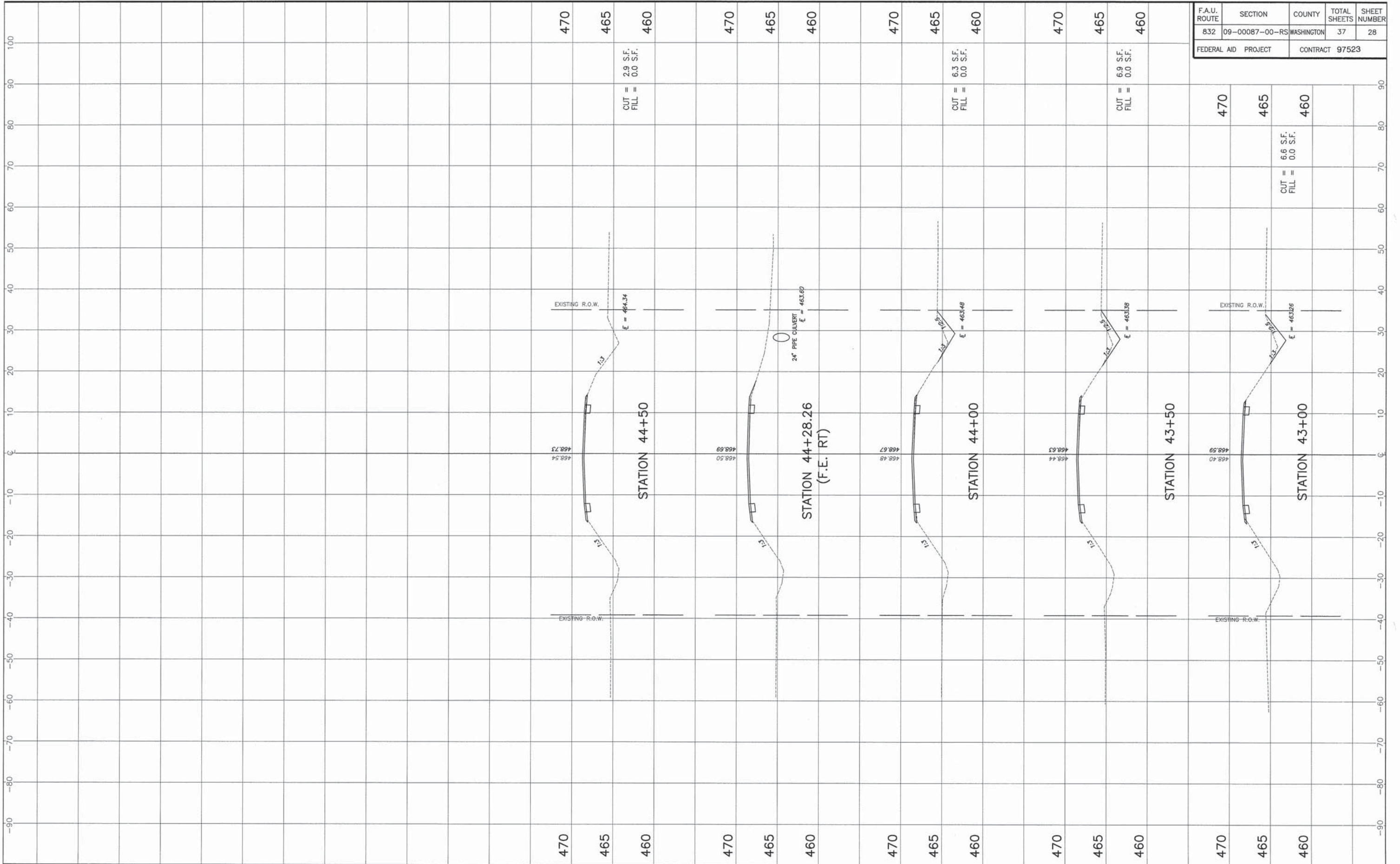
F.A.S. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
832	09-00087-00-RS	WASHINGTON	37	25
FEDERAL AID PROJECT		CONTRACT 97523		





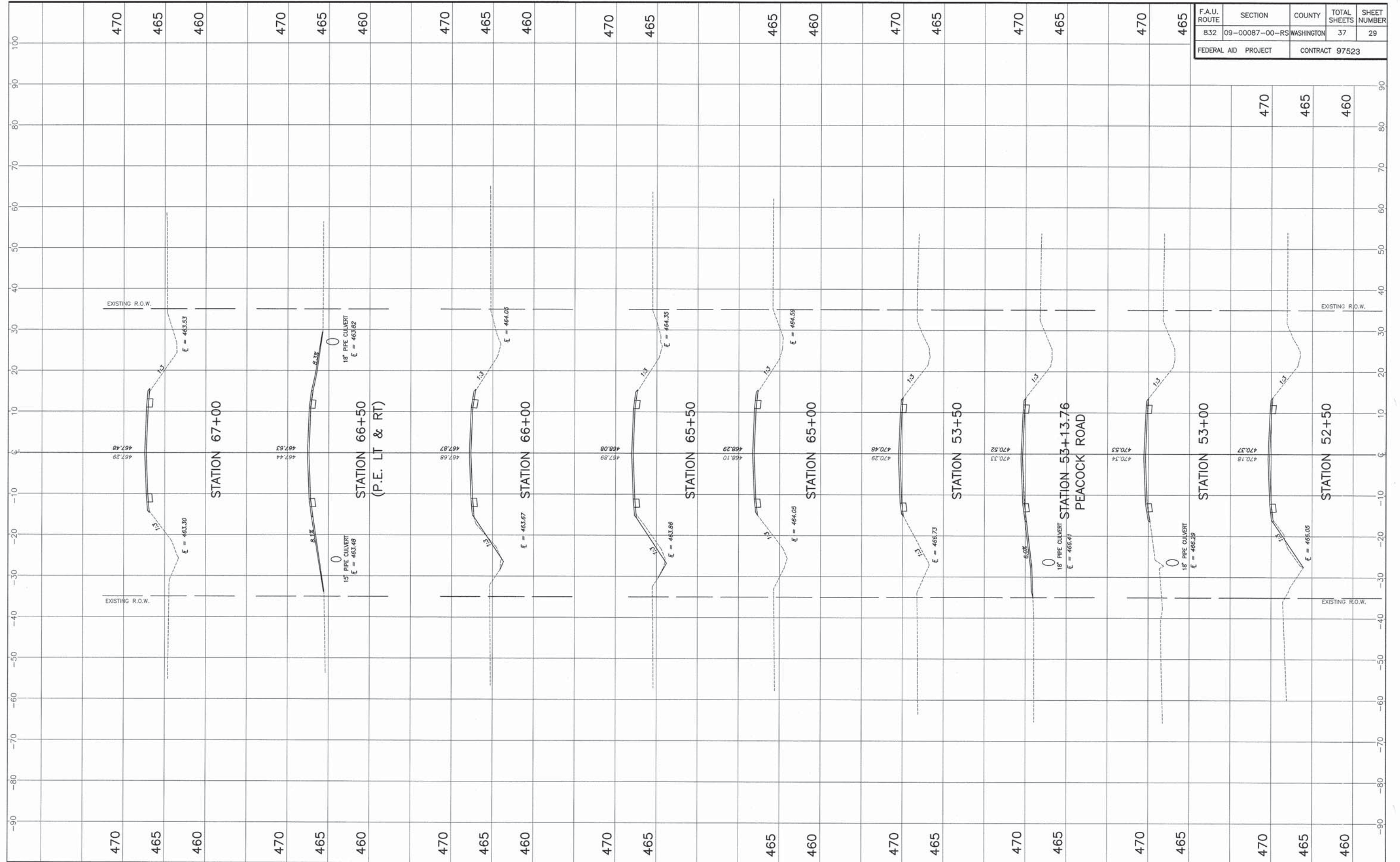


F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
832	09-00087-00-RS	WASHINGTON	37	27
FEDERAL AID PROJECT		CONTRACT 97523		



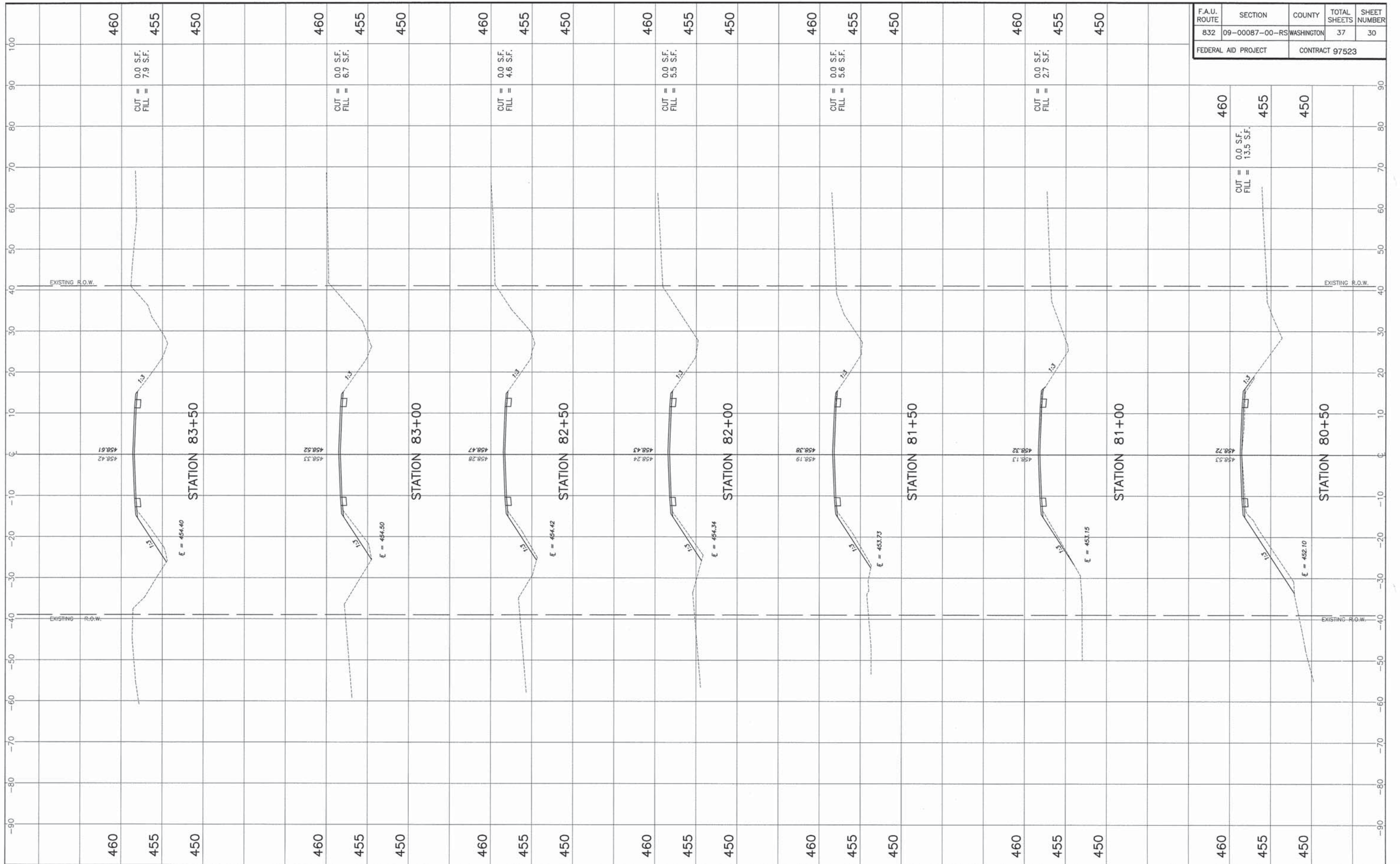
F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
832	09-00087-00-RS	WASHINGTON	37	28
FEDERAL AID PROJECT		CONTRACT 97523		

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
832	09-00087-00-RS	WASHINGTON	37	29
FEDERAL AID PROJECT		CONTRACT 97523		

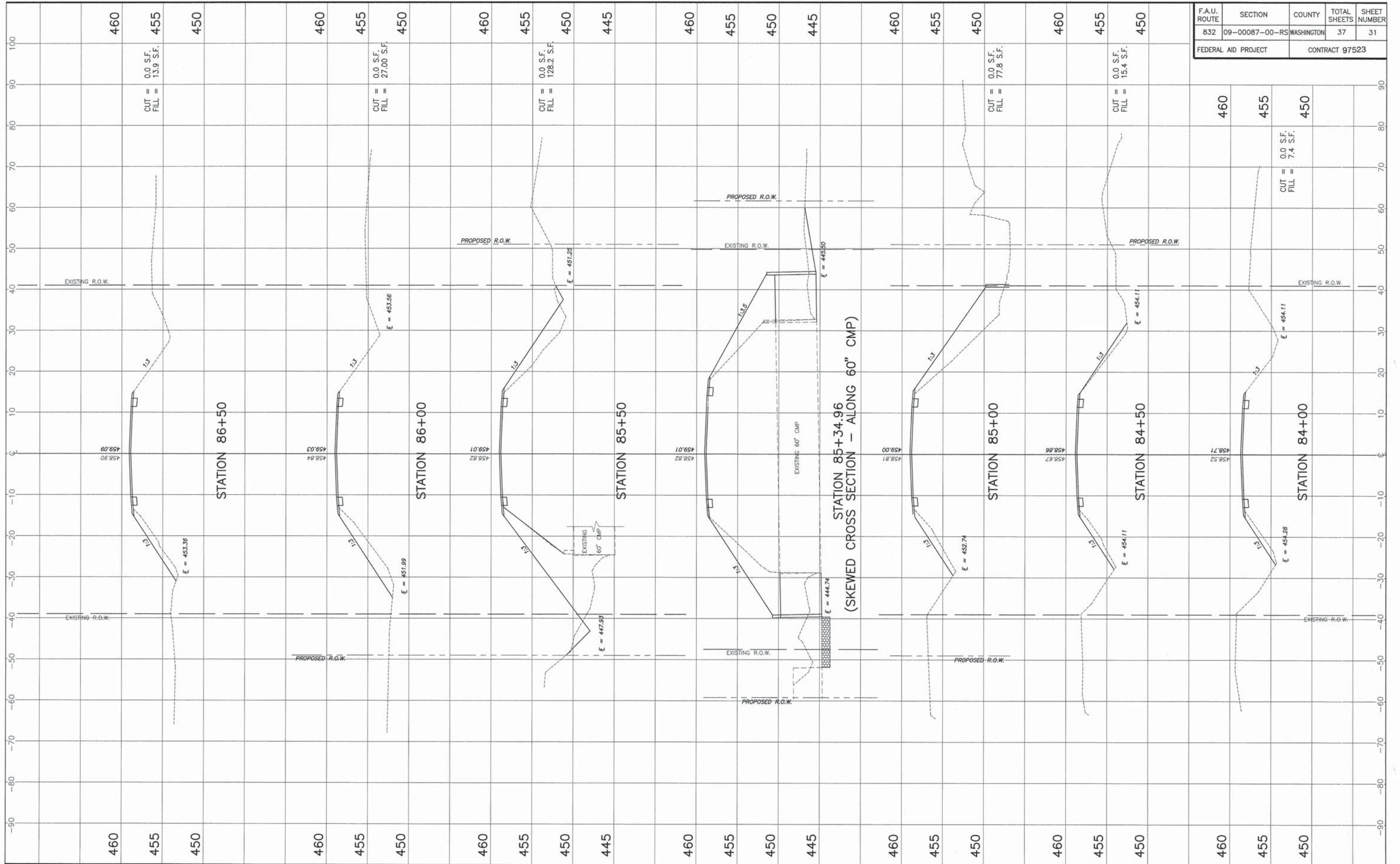


STA. 52+50 - 53+50, STA. 65+00 - 67+00 CROSS SECTIONS
SECTION 09-00087-00-RS WASHINGTON COUNTY, ILLINOIS

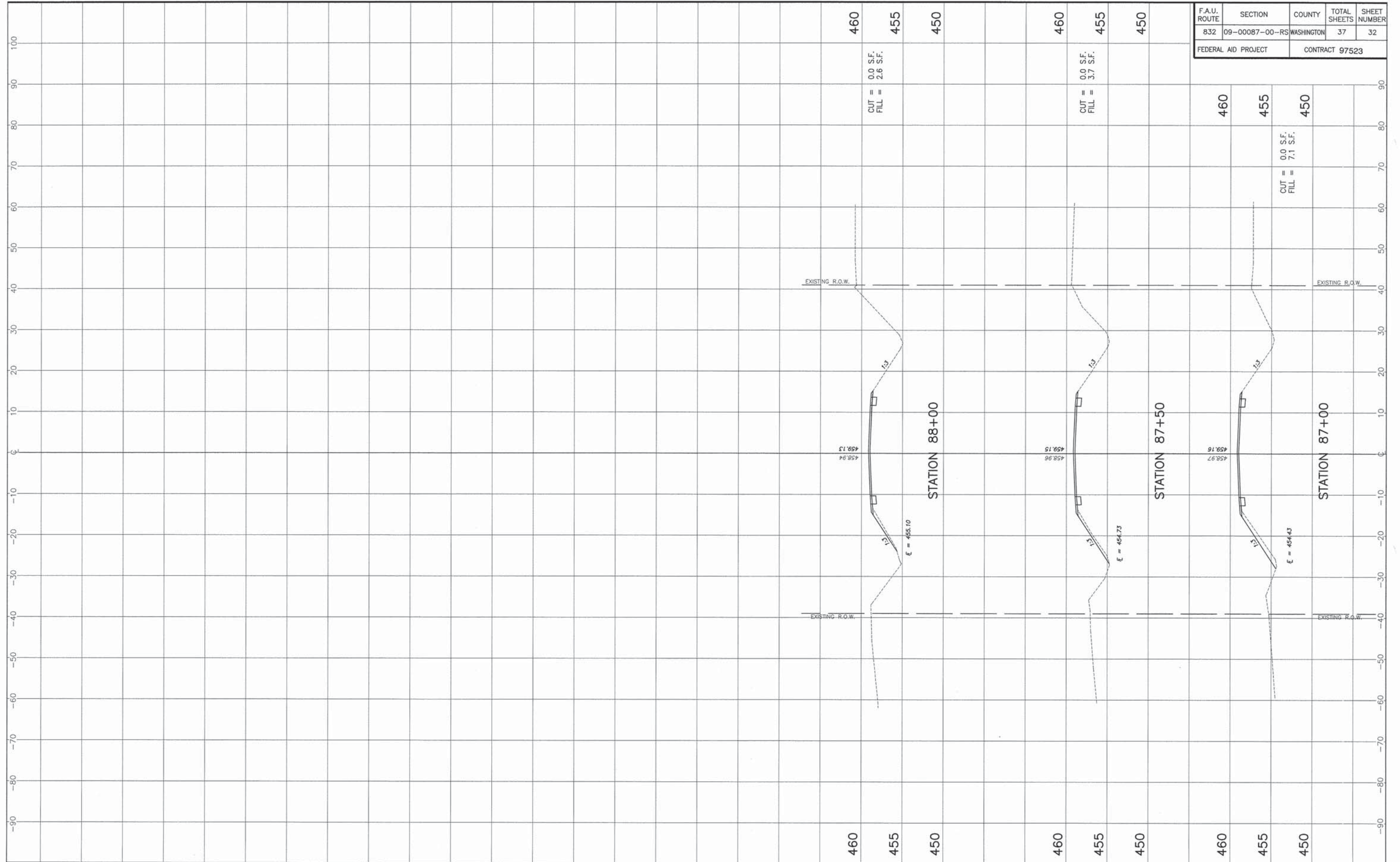
F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
832	09-00087-00-RS	WASHINGTON	37	30
FEDERAL AID PROJECT		CONTRACT 97523		



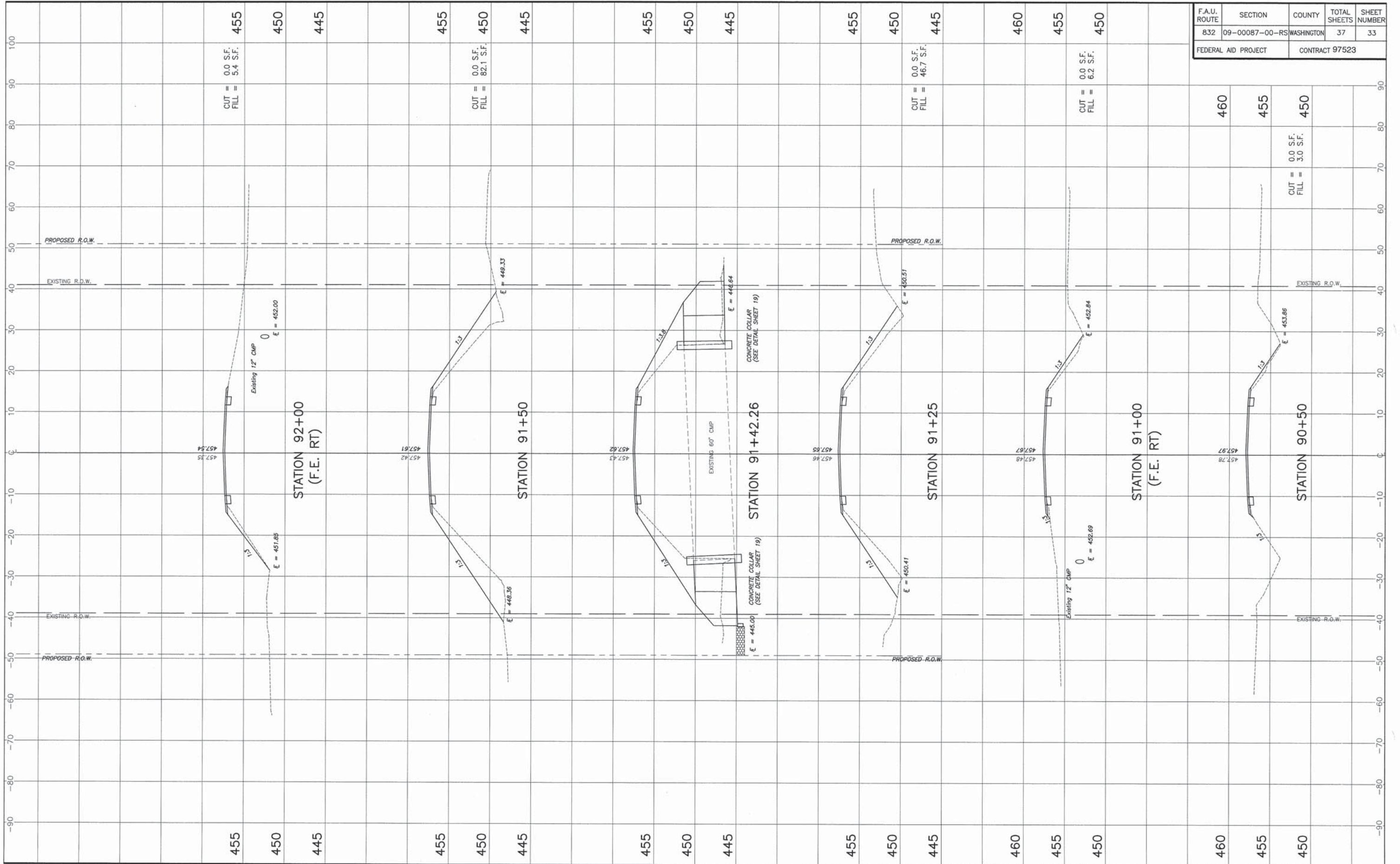
F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
832	09-00087-00-RS	WASHINGTON	37	31
FEDERAL AID PROJECT			CONTRACT 97523	



F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
832	09-00087-00-RS	WASHINGTON	37	32
FEDERAL AID PROJECT		CONTRACT 97523		



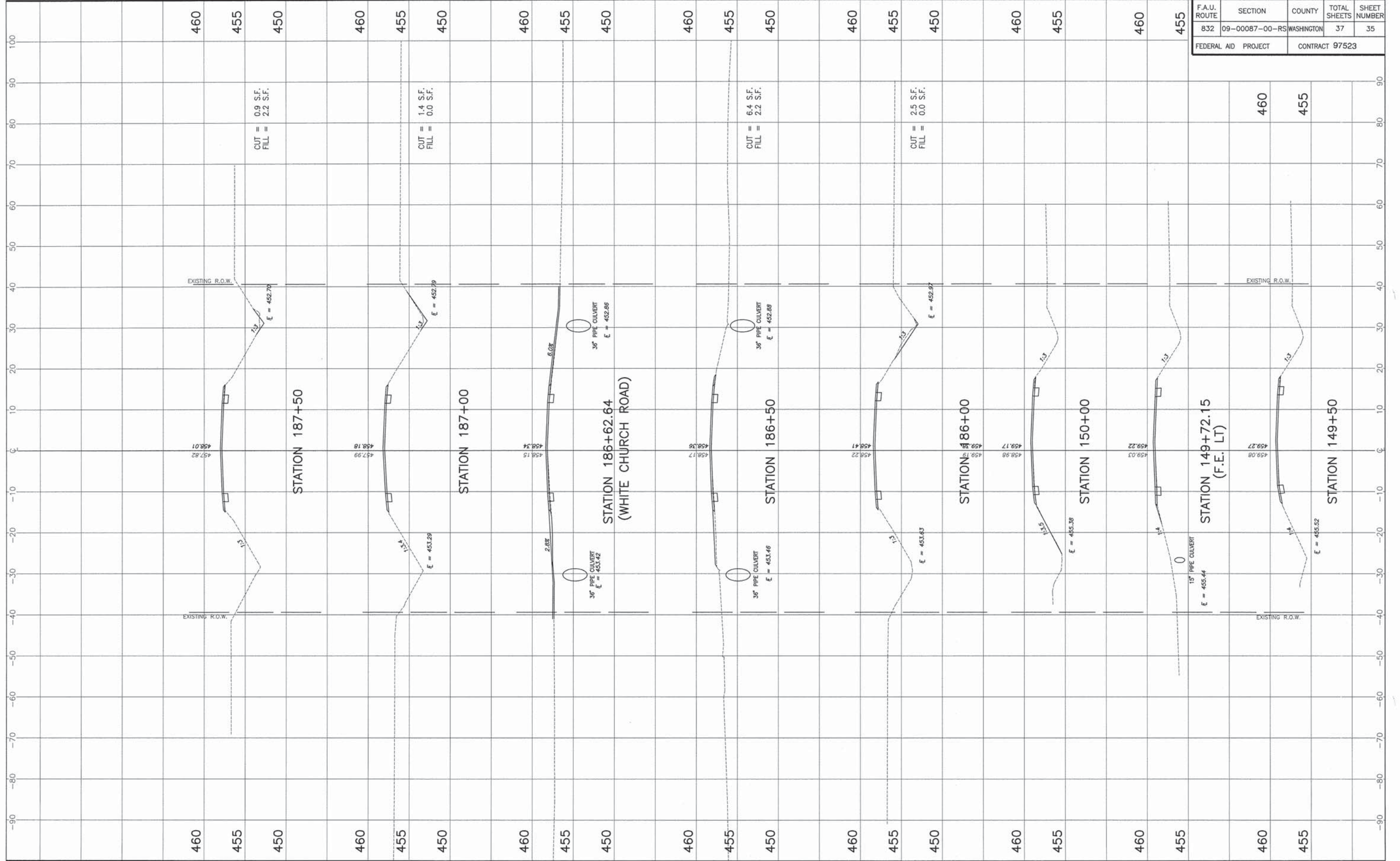
F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
832	09-00087-00-RS	WASHINGTON	37	33
FEDERAL AID PROJECT		CONTRACT 97523		



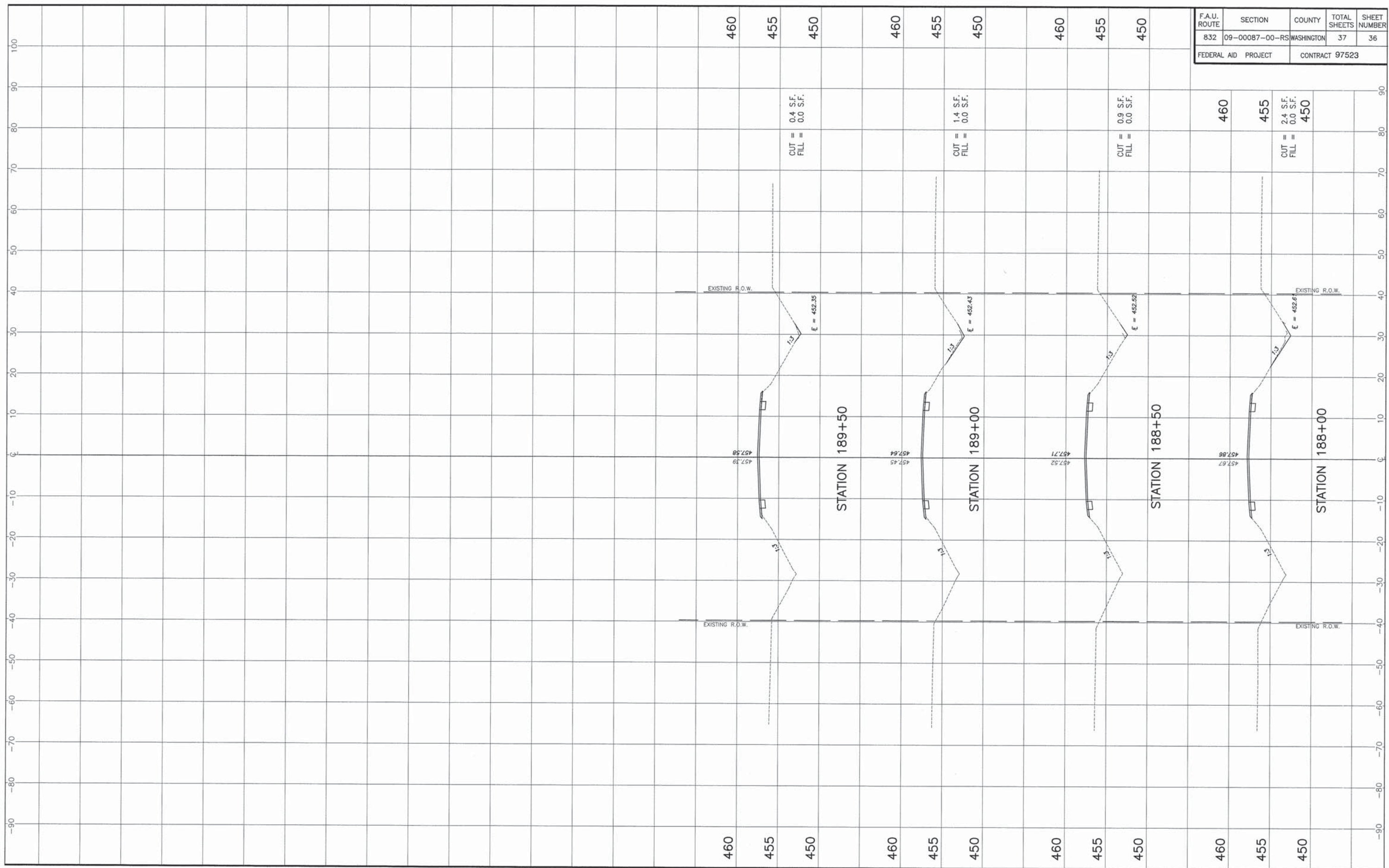
F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
832	09-00087-00-RS	WASHINGTON	37	34
FEDERAL AID PROJECT		CONTRACT 97523		



F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
832	09-00087-00-RS	WASHINGTON	37	35
FEDERAL AID PROJECT		CONTRACT 97523		



F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
832	09-00087-00-RS	WASHINGTON	37	36
FEDERAL AID PROJECT		CONTRACT 97523		



STA. 188+00 - STA. 189+50 CROSS SECTIONS
SECTION 09-00087-00-RS WASHINGTON COUNTY, ILLINOIS

F.A.S. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
832	09-00087-00-RS	WASHINGTON	37	37
FEDERAL AID PROJECT		CONTRACT 97523		

