11-16-07 Letting, Item 014

CONTRACT NO. 72908

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	3B-1	PIKE	51	1

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED
HIGHWAY PLANS

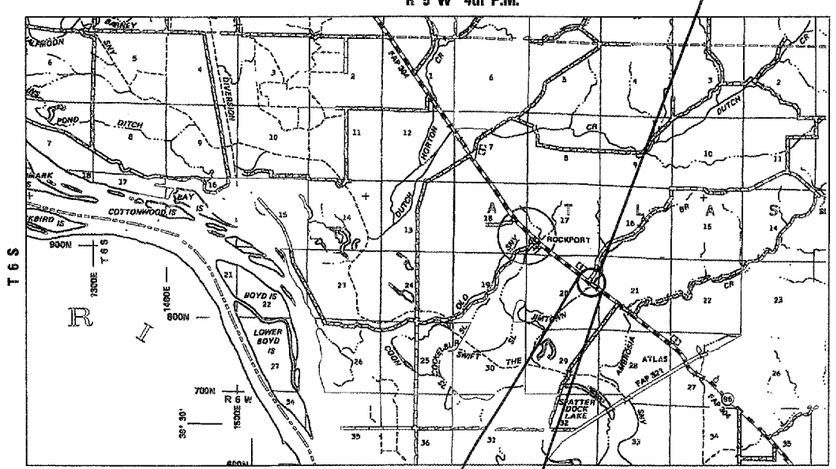
FAP ROUTE 304 (IL 96)
SECTION 3B-1
PROJECT : ACF-0304(034)
PIKE COUNTY

C-96-505-09

FOR INDEX OF SHEETS, SEE SHEET NO. 2

EX STRUCTURE NO. 075-0043
PR STRUCTURE NO. 075-2506
STA. 784+76.00 TRIPLE BARREL
12'Wx10'H R.C. BOX CULVERT
O. TO O. CULVERT
IL 96 OVER JIMTOWN BRANCH

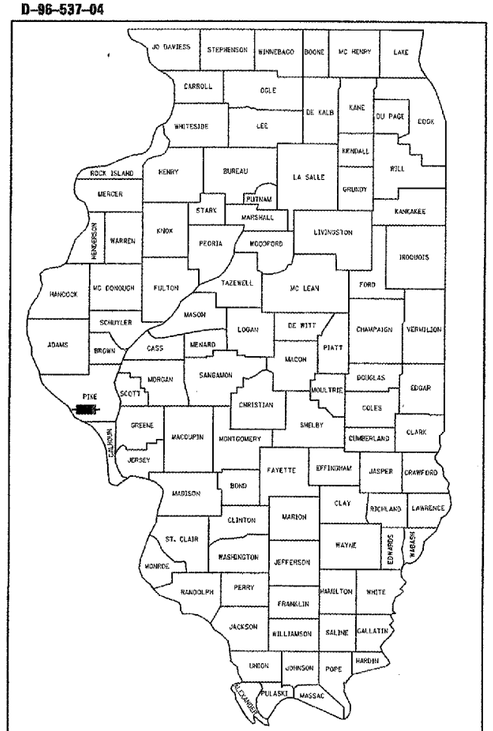
R 5 W 4th P.M.



BEGIN PROPOSED PROJECT
STA 780+05

END PROPOSED PROJECT
STA 789+95

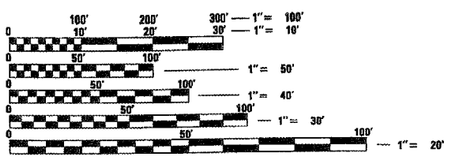
D-96-537-04



LOCATION OF SECTION INDICATED THUS:- ▬

TRAFFIC DATA

AVERAGE DAILY TRAFFIC = 1100 (2005)
PV = 925
SU = 85
MU = 90



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

CONTRACT NO. 72908

LOCATION MAP

SCALE: 1"=1 MILE
0 1 2

GROSS LENGTH = 990 FT. = 0.188 MI.
NET LENGTH = 990 FT. = 0.188 MI.

MARTIN J. SILVESTER
062-045266
LICENSED PROFESSIONAL ENGINEER
OF
ILLINOIS

MARTIN SILVESTER, P.E.
LICENSE EXP. DATE 11-30-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED August 31 2007
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER
October 12 2007
Eric E. Harm
Interim ENGINEER OF DESIGN AND ENVIRONMENT
October 12, 2007
Milton R. Sees, P.E.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

PROJECT ENGINEER: JOHN NEGANGARD P.E. 217-782-6990
SENIOR SQUAD LEADER MARK S. DUST P.E. 217-785-0597

CONTRACT NO. 72908

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	3B-1	PIKE	51	2
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

INDEX OF SHEETS

ILLINOIS DOT HIGHWAY STANDARDS

000001-04	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001001-01	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-03	TEMPORARY EROSION CONTROL SYSTEMS
442201-02	CLASS C & D PATCHES
515001-02	NAME PLATE FOR BRIDGES
542401	METAL END SECTION FOR PIPE CULVERTS
666001	RIGHT-OF-WAY MARKERS
701001-01	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 4.5m (15') AWAY
701006-02	OFF-RD OPERATIONS, 2L, 2W, 4.5m (15') TO 600mm (24") FROM PAVEMENT EDGE
701011-02	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701201-02	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS > 45 MPH
701301-02	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATION
701306-01	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS > 45 MPH
701311-02	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS DAY ONLY
701321-08	LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER
701326-02	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS > 45 MPH
702001-06	TRAFFIC CONTROL DEVICES
704001-03	TEMPORARY CONCRETE BARRIER
780001-01	TYPICAL PAVEMENT MARKINGS
781001-02	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
886001	DETECTOR LOOP INSTALLATIONS
886006	TYPICAL LAYOUTS FOR DETECTION LOOPS
BLR 21-6	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS

DISTRICT SIX
EXAMINED August 20 20 07
OPERATIONS ENGINEER
EXAMINED Aug 17 20 07
PROGRAM IMPLEMENTATION ENGINEER
EXAMINED Aug 31 20 07
PROGRAM DEVELOPMENT ENGINEER

The Upchurch Group
HILLSIDE, IL. (708) 449-3321
MATTOON, IL. (217) 235-3177

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USER NAME = laughlinl

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS
IL 96 OVER JIMTOWN BRANCH
FAP 304 SECTION 3B-1
PIKE COUNTY

SCALE: DRAWN BY GEW
DATE: *DATE CHECKED BY MJS

CONTRACT NO. 72908

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	3B-1	PIKE	51	3
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

GENERAL NOTES

1. THE CONTRACTOR SHALL SEED ALL DISTURBED AREAS WITHIN THE PROJECT LIMITS. SEEDING CLASS 2 SHALL BE USED.

2. FERTILIZER SHALL BE APPLIED TO ALL DISTURBED AREAS AND INCORPORATED INTO THE SEEDBED PRIOR TO SEEDING, OR PLACEMENT OF SOD AT THE RATE SPECIFIED IN SECTIONS 250 AND 252 OF THE STANDARD SPECIFICATIONS.

3. MULCH METHOD 2 SHALL BE APPLIED OVER ALL PERMANENT SEEDING AREAS.

4. SEEDING WILL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN WET OR IN AN UNTILLABLE CONDITION. AREAS TO BE SEEDED SHALL BE DETERMINED BY THE ENGINEER.

5. ALL ELEVATIONS SHOWN IN THE PLANS ARE U.S.G.S. MEAN SEA LEVEL DATUM.

6. ANY REFERENCE TO THE STANDARDS THROUGHOUT THE PLANS SHALL BE INTERPRETED TO BE THE LATEST STANDARDS OF THE DEPARTMENT AS INCLUDED IN THE PLANS.

7. THE THICKNESS OF HMA 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 HMA MIXTURE IS PLACED.

8. THE LOCATION OF THOSE BURIED AND ABOVE GROUND UTILITIES SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.26 OF THE STANDARD SPECIFICATIONS. THE JULIE NUMBER IS 800-892-0123. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED. SEE SPECIAL PROVISIONS FOR STATUS OF UTILITIES, WITH UTILITY COMPANIES LISTED.

9. ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH THE CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF RIGHT-OF-WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT BID PRICE FOR EARTH EXCAVATION. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

10. EXCAVATION IN JIM TOWN ROAD TO BE PAID FOR AS EARTH EXCAVATION.

11. THE FOLLOWING APPLICATIONS RATES WERE USED FOR QUANTITY CALCULATIONS:

    LEVELING BINDER 0.056 TON/SQ YD/IN
    HMA SURF. CSE 0.056 TON/SQ YD/IN
    HMA BINDER CSE 0.056 TON/SQ YD/IN
    AGG. SHOULDERS TYPE A 2.05 TON/CU YD
    AGG. SHOULDERS TYPE B 1.89 TON/CU YD
    BIT MATLS. (PRIME COAT) 0.00038 TON/SQ YD (PAVED BASES)
    BIT MATLS. (PRIME COAT) 0.001425 TON/SQ YD (AGG. BASES)
    AGG (P.C.) 0.0020 TON/SY
    AGG. LIMESTONE 2 TON/ACRE
    NITROGEN FERT. 90 LBS/ACRE
    PHOSPHORUS FERT. 90 LBS/ACRE
    POTASSIUM FERT. 90 LBS/ACRE
    TEMP EROS CONT SEEDING 100 LBS/ACRE
    MULCH, METHOD 2 - 2 TON/ACRE
    RIP RAP 1.5 TON/CU YD
    ROCKFILL FOUNDATION = 1.89 TON/CU YD

12. BEFORE ORDERING STORM SEWER, PIPE CULVERTS, AND MANHOLES, THE CONTRACTOR SHALL CONTACT THE ENGINEER AS TO THE EXACT LENGTH AND QUANTITY REQUIRED.

13. NO PASSING ZONES SHALL BE FIELD VERIFIED BY DISTRICT 6, OPERATIONS, (217) 785-5312, 14 DAYS PRIOR TO FINAL PAVEMENT MARKINGS.

14. WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER AND AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION IF THE ENGINEER DECIDES TO HAVE THE CONTRACTOR RESET THE MONUMENT. THIS WORK WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04.

15. THE CONTRACTOR SHALL PLACE A PERMANENT SURVEY MARKER, TYPE I IN THE CULVERT HEADWALL AS DIRECTED BY THE ENGINEER.

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

17. THE COST OF REMOVAL OF ANY EXISTING OBSTRUCTIONS OR CULVERTS WHICH INTERFERE WITH CONSTRUCTION WILL BE CONSIDERED INCLUDED IN THE COST OF EARTH EXCAVATION.

18. EXISTING PAVEMENT DAMAGED DUE TO THE CONTRACTOR'S OPERATIONS, AND NOT OTHER WISE NECESSARY TO REPLACE, SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.

19. THE EXISTING ROAD SIGNS THAT INTERFERE WITH CONSTRUCTION SHALL BE RELOCATED AS DIRECTED BY THE ENGINEER. AFTER THE CONSTRUCTION IS COMPLETED, THE CONTRACTOR WILL REPLACE THE SIGNS AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

20. ALL REFERENCES TO HMA CONCRETE SHALL BE INTERPRETED TO BE "HOT- MIX ASPHALT".

21. THE NEW NUMBER FOR THIS STRUCTURE SHALL BE 075-2506

COMMITMENTS

1. FIELD / RESIDENT ENGINEER SHALL CONTACT STUDIES & PLANS CONCERNING ANY MAJOR PLAN CHANGE TO MAKE SURE NO PREVIOUS COMMITMENTS (NOT LISTED) WERE MADE AFFECTING THE DESIGN & ALLOW AN IMPROVED DESIGN FOR FUTURE PROJECTS.

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

MIXTURE USE(S):	HMA SURFACE COURSE, MIX "C", N50	LEVELING BINDER, MACHINE METHOD, N50	HMA BASE COURSE/ WIDENING	HMA SHOULDERS	INCIDENTAL HMA SURFACING
AC/PG:	PG 64-22	PG 64-22	PG 64-22	PG 58-22	PG 64-22
DESIGN AIR VOIDS:	4.0% @ N DESIGN = 50	4.0% @ N DESIGN = 50	4.0% @ N DESIGN = 50	2.0% @ N DESIGN = 30	4.0% @ N DESIGN = 50
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL 9.5 OR 12.5	IL 9.5	IL 19.0	BAM	IL 9.5 OR 12.5
FRICTION AGGREGATE:	MIX C	N/A	N/A	N/A	MIX C

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The Upchurch Group_
HILLSIDE, IL. (708) 449-2321
MATTOON, IL. (217) 235-3177

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL NOTES & COMMITMENTS
IL 96 OVER JIMTOWN BRANCH
FAP 304 SECTION 3B-1
PIKE COUNTY

SCALE: NONE DRAWN BY SJF
DATE: $DATE CHECKED BY MJS

CONTRACT NO. 72908

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	3B-1	PIKE	51	4
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE ROADWAY FAP 304 80% FED 20% STATE 1000-2A	CONSTRUCTION CODE STRUCTURE SN 075-2506 80% FED 20% STATE X028-2A
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	13	13	
20100500	TREE REMOVAL, ACRES	ACRE	0.1	0.1	
20200100	EARTH EXCAVATION	CU YD	2295	2295	
20400800	FURNISHED EXCAVATION	CU YD	365	365	
25000200	SEEDING, CLASS 2	ACRE	1.5	1.50	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	135	135	
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	135	135	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	135	135	
25000700	AGRICULTURAL GROUND LIMESTONE	TON	3	3	
25100115	MULCH, METHOD 2	ACRE	1.5	1.50	
25101005	HEAVY DUTY EXCELSIOR BLANKET	SQ YD	336	336	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	150	150	
28000400	PERIMETER EROSION BARRIER	FOOT	1000	1000	
28000500	INLET AND PIPE PROTECTION	EACH	7	7	
28001000	AGGREGATE (EROSION CONTROL)	TON	150	150	
28100809	STONE DUMPED RIPRAP, CLASS A5	TON	329	329	
28200200	FILTER FABRIC	SQ YD	359	359	
35101400	AGGREGATE BASE COURSE, TYPE B	TON	253	253	
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SQ YD	447	447	
35501324	HOT-MIX ASPHALT BASE COURSE, 10"	SQ YD	1092	1092	
35600716	HOT-MIX ASPHALT BASE COURSE WIDENING, 10"	SQ YD	265	265	
35800100	PREPARATION OF BASE	SQ YD	297	297	
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	200	200	
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	1.6	1.6	

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The Upchurch Group
HILLSIDE, IL. (708) 449-2321
MATTOON, IL. (217) 235-3177

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
IL 96 OVER JIMTOWN BRANCH
FAP 304 SECTION 3B-1
PIKE COUNTY

SCALE: DRAWN BY SJF
DATE: $DATE CHECKED BY MJS

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE ROADWAY FAP 304 80% FED 20% STATE 1000-2A	CONSTRUCTION CODE STRUCTURE SN 075-2506 80% FED 20% STATE X028-2A
40600300	AGGREGATE (PRIME COAT)	TON	5	5	
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	111	111	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	302	302	
40600990	TEMPORARY RAMP	SQ YD	27	27	
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	222	222	
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	113	113	
44000100	PAVEMENT REMOVAL	SQ YD	140	140	
48101200	AGGREGATE SHOULDERS, TYPE B	TON	55	55	
48203100	HOT-MIX ASPHALT SHOULDERS	TON	136	136	
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1		1
50105220	PIPE CULVERT REMOVAL	FOOT	278	278	
50800105	REINFORCEMENT BARS	POUND	67480		67480
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	1430		1430
50800515	BAR SPLICERS	EACH	179		179
51500100	NAME PLATES	EACH	1		1
54003000	CONCRETE BOX CULVERTS	CU YD	419		419
54201480	PIPE CULVERTS, TYPE 2, CORRUGATED STEEL OR ALUMINUM CULVERT PIPE 15"	FOOT	239	239	
54201495	PIPE CULVERTS, TYPE 2, CORRUGATED STEEL OR ALUMINUM CULVERT PIPE 30"	FOOT	175	175	
54215565	METAL END SECTIONS 30"	EACH	3	3	
63200310	GUARDRAIL REMOVAL	FOOT	427	427	
66600105	FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS	EACH	9	9	
66700205	PERMANENT SURVEY MARKERS TYPE 1	EACH	1	1	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6	
67100100	MOBILIZATION	L SUM	1	1	

The Upchurch Group
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ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
IL 96 OVER JIMTOWN BRANCH
FAP 304 SECTION 3B-1
PIKE COUNTY

SCALE: DRAWN BY SJF
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CONTRACT NO. 72908

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	3B-1	PIKE	51	6
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE ROADWAY FAP 304 80% FED 20% STATE 1000-2A	CONSTRUCTION CODE STRUCTURE SN 075-2506 80% FED 20% STATE X028-2A
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1	
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1	
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1	
70101205	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321 (SPECIAL)	EACH	1	1	
70101830	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	L SUM	1	1	
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	10	10	
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1	1	
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	180	180	
70300230	TEMPORARY PAVEMENT MARKING - LINE 5"	FOOT	3080	3080	
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	30	30	
70400100	TEMPORARY CONCRETE BARRIER	FOOT	400	400	
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	250	250	
* 78001120	PAINT PAVEMENT MARKING - LINE 5"	FOOT	3080	3080	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	12	12	
78300100	PAVEMENT MARKING REMOVAL	SQ FT	825	825	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	12	12	
X0323988	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	426		426
X0324118	GRANULAR CULVERT BACKFILL	CU YD	930		930
X7200201	WIDTH RESTRICTION SIGNING	L SUM	1	1	
Z0030260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2	2	
Z0030330	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE), TEST LEVEL 3	EACH	2	2	
* Z0054517	ROCK FILL-FOUNDATION	TON	30		30

The Upchurch Group
HILLSIDE, IL. (708) 449-2321
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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
IL 96 OVER JIMTOWN BRANCH
FAP 304 SECTION 3B-1
PIKE COUNTY

SCALE:
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*SPECIALTY ITEMS

CONTRACT NO. 72908

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	3B-1	PIKE	51	7
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

54201480

PIPE CULVERTS, TYPE 2, CORRUGATED STEEL OR ALUMINUM CULVERT PIPE 15"

UPSTREAM STATION	UPSTREAM OFFSET	DOWNSTREAM STATION	DOWNSTREAM OFFSET	LENGTH (FEET)	TYPE	SIZE (IN)
783+59	59.06 RT	784+32	67.21' RT	73.0	2	15
787+04	46.60' LT	787+51.77	43.35' LT	48.0	2	15
788+95.80	29.63' LT	789+37.08	29.63' LT	41.0	2	15
790+17.21	29.63' LT	790+57.02	29.63' LT	40.0	2	15
791+71.25	29.63' LT	792+08.62	29.63' LT	37.0	2	15

TOTAL LENGTH: 239'

54201495

PIPE CULVERTS, TYPE 2, CORRUGATED STEEL OR ALUMINUM CULVERT PIPE 30"

UPSTREAM STATION	UPSTREAM OFFSET	DOWNSTREAM STATION	DOWNSTREAM OFFSET	LENGTH (FEET)	TYPE	SIZE (IN)
782+10	33.26' LT	782+95	42.45' LT	85.0	2	30
10+48.7	45.00' LT	10+66.8	45.00' RT	90.0	2	30

TOTAL LENGTH: 175'

63200310

GUARDRAIL REMOVAL

STATION	TO	STATION	LENGTH
784+00 RT		785+31.66 RT	130'
783+18.31 LT		10+83.14 LT (JIMTOWN RD)	148'
10+80.35 LT (JIMTOWN RD)		785+36.77	149'

TOTAL LENGTH: 427'

EARTHWORK AND SEEDING SCHEDULE

	STA.	TO	STA.	EARTH EXCAVATION CU. YD	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE CU. YD	EMBANKMENT CU. YD	FURNISHED EXCAVATION OR WASTE (-) CU. YD	SEEDING CLASS 2 ACRE	NITROGEN FERTILIZER NUTRIENT POUND	PHOSPHORUS FERTILIZER NUTRIENT POUND	POTASSIUM FERTILIZER NUTRIENT POUND	AGRICULTURAL GROUND LIMESTONE TON	MULCH METHOD 2 ACRE
IL ROUTE 9 / 96	780+05		792+00	2,040	1,530	2,005	475	1.4	135	135	135	3	1.5
JIMTOWN RD.	10+56.59		11+50	255	190	80	-110	0.1					
			TOTAL:	2,295	1,720	2,085	365	1.5	135	135	135	3	1.5

28001000

AGGREGATE (EROSION CONTROL) SCHEDULE

STATION	OFFSET
783+55	58.54' LT
783+09	59.72' RT
784+63	69.64' RT
785+09	60.98' RT
792+80	28.18' LT

TOTAL : 150 TON

28000500

INLET & PIPE PROTECTION SCHEDULE

STATION	OFFSET	EACH
782+03	32.07' LT	1
783+55	58.73' RT	1
783+63	61.95' LT	1
787+00	46.42' LT	1
788+92	29.37' LT	1
790+14	29.62' LT	1
791+67	29.35' LT	1

TOTAL : 7

The Upchurch Group
HILLSIDE, IL. (708) 449-2321
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REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
IL 96 OVER JIMTOWN BRANCH
FAP 304 SECTION 3B-1
PIKE COUNTY

SCALE:
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USER NAME = laughlin-j

CONTRACT NO. 72908

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	3B-1	PIKE	51	8
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SIDE ROADS AND ENTRANCE IMPROVEMENT SCHEDULE

LOCATION	TYPE OF ENTRANCE	EX MATERIAL TYPE	WIDTH	RT OFFSET	LT OFFSET	LENGTH (FROM EDGE OF PVT/ HMA SHLD TO LIMITS OF IMPROVEMENT)	PR HMA THICKNESS	HMA SURF. REM. - BUTT JOINT	PREP OF BASE	AGG. BASE REPAIR	AGGREGATE BASE COURSE TY - A	AGGREGATE BASE COURSE TY - B	BIT (P.C.)	INCIDENTAL HMA SURF.
(LT / RT) STA) (+)	(FE / PE / CE / MB) (RURAL / URBAN)	(EARTH / AGG. / BIT. / P.C.C.)	FOOT	FOOT	FOOT	FOOT	INCH	SQ. YD.	SQ. YD.	TON	TON	TON	TON	TON
ENTRANCES														
LT 782+55	FE	AGG	24			27.5	-	-	-	-	-	41	-	-
RT 783+85	FE	AGG	22			63.7	-	-	-	-	-	57	-	-
LT 785+55	PE	AGG	32			35.8	3.5	-	43	-	-	48	-	8
LT 787+26	PE	AGG	24			37	3.5	-	37	-	-	39	-	7
LT 789+15	PE	BIT	14			26	3.5	40	65	-	-	21	-	13
LT 790+37	PE	BIT	16			28.5	3.5	41	76	-	-	24	-	15
LT 791+86	PE	BIT	16			28.7	3.5	61	76	-	-	24	-	15
SIDE ROADS														
LT 784+00	SR	O&C	24			184.40	2•	-	-	-	-	-	-	55•
TOTAL ENTRANCES & SIDE ROADS:								142	297			253		113

NOTE: • 8" HMA BASE COURSE PAID FOR SEPARATELY.

PAVING SCHEDULE

LOCATION	HMA BASE COURSE WIDENING 10"	LEVELING BINDER (MACHINE METHOD)	HMA BASE COURSE 10"	HMA BASE COURSE 8"	HMA SURFACE COURSE	HMA SHOULDERS
780+05 RT TO 789+95 RT		55.5 TONS			111 TONS	
780+05 LT TO 789+95 LT		55.5 TONS			111 TONS	
780+50 RT TO 789+36.50 RT	41 SY		849 SY			110 TONS
782+00 LT TO 787+48.7 LT	224 SY					26 TONS
784+37 RT TO 785+15 RT			139 SY			
784+37 LT TO 785+15 LT			104 SY			
10+12 TO 11+50				447 SY		
TOTAL:	265 SY	111 TONS	1092 SY	447 SY	222 TONS	136 TONS

44000100

PAVEMENT REMOVAL

STATION	TO	STATION	AREA (SQ YD)
784+37		785+15	140

70300230

TEMPORARY PAVEMENT MARKING LINE 5"

STATION	TO	STATION	COLOR	LENGTH (FEET)
780+05		789+95	YELLOW	990
782+80		785+20	YELLOW	240
780+05 RT		789+95 RT	WHITE	990
780+05 LT		783+50 LT	WHITE	345
784+80 LT		789+95 LT	WHITE	515

TOTAL LENGTH: 3080

78001120

PAINT PAVEMENT MARKING-LINE 5"

STATION	TO	STATION	COLOR	LENGTH (FEET)
780+05		789+95	YELLOW	990
782+80		785+20	YELLOW	240
780+05 RT		789+95 RT	WHITE	990
780+05 LT		783+50 LT	WHITE	345
784+80 LT		789+95 LT	WHITE	515

TOTAL LENGTH: 3080

70300100

SHORT TERM PAVEMENT MARKING

STATION	TO	STATION	COLOR	LENGTH (FEET)
782+05		789+95	YELLOW	180

TOTAL FOR 2 APPLICATIONS: 180

70301000

WORK ZONE PAVEMENT MARKING REMOVAL

STATION	TO	STATION	COLOR	AREA (SQ FT)
780+05		789+95	YELLOW	30

TOTAL AREA: 30

The Upchurch Group
HILLSIDE, IL. (708) 449-2321
MATTOON, IL. (217) 235-3177

REVISIONS NAME	DATE

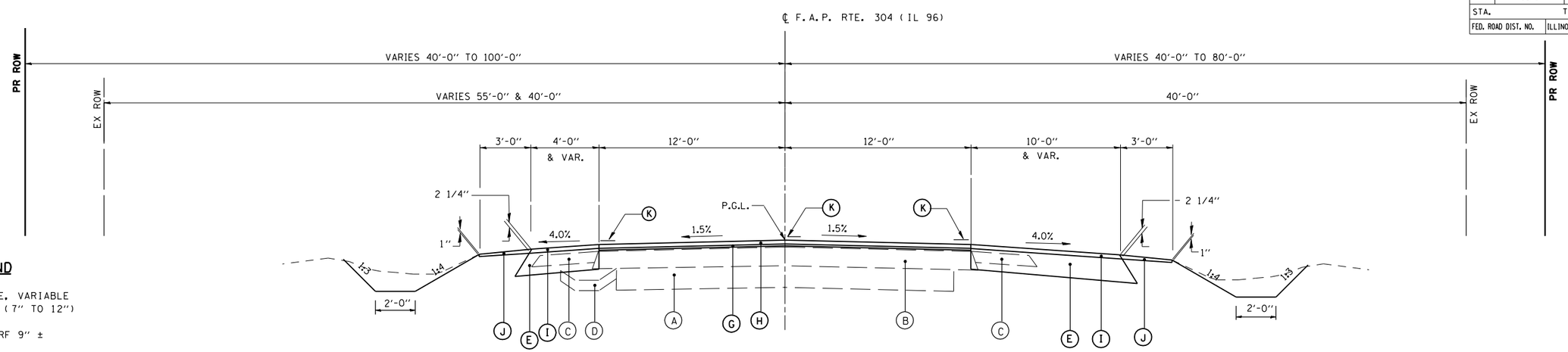
ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
IL 96 OVER JIMTOWN BRANCH
FAP 304 SECTION 3B-1
PIKE COUNTY

SCALE: DRAWN BY SJF
DATE: $DATE CHECKED BY MJS

CONTRACT NO. 72908

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	3B-1	PIKE	51	9
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

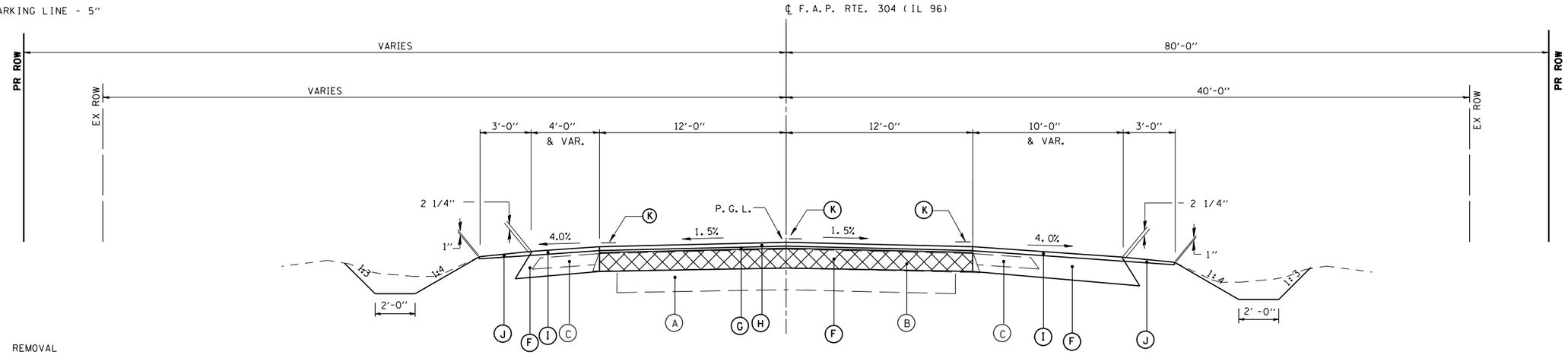


LEGEND

- (A) EX AGG BSE, VARIABLE THICKNESS (7" TO 12")
- (B) EX HMA SURF 9" ±
- (C) EX AGG SHLDR
- (D) EX CONC GUTTER
- (E) PR HMA BASE CSE/WIDENING, (SEE MIX TABLE REQUIREMENTS), 10"
- (F) PR HMA BASE CSE, (SEE MIX TABLE REQUIREMENTS), 10"
- (G) PR LEVELING BINDER, (SEE MIX TABLE REQUIREMENTS), 3/4" AVG.
- (H) PR HMA SURF CSE, (SEE MIX TABLE REQUIREMENTS), 1 1/2"
- (I) PR HMA SHLDR, (SEE MIX TABLE REQUIREMENTS), 2 1/4"
- (J) PR AGG SHLDR TY. B
- (K) PR PVMT MARKING LINE - 5"

TYPICAL SECTION # 1

STA. 780+05.00 TO STA. 784+37



REMOVAL

TYPICAL SECTION # 2

STA. 784+37 TO STA. 785+15

The Upchurch Group
HILLSIDE, IL. (708) 449-2321
MATTOON, IL. (217) 235-3177

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
IL 96 OVER JIMTOWN BRANCH
FAP 304 SECTION 3B-1
PIKE COUNTY

SCALE: N.T.S DRAWN BY AGG
DATE: $DATE CHECKED BY MJS

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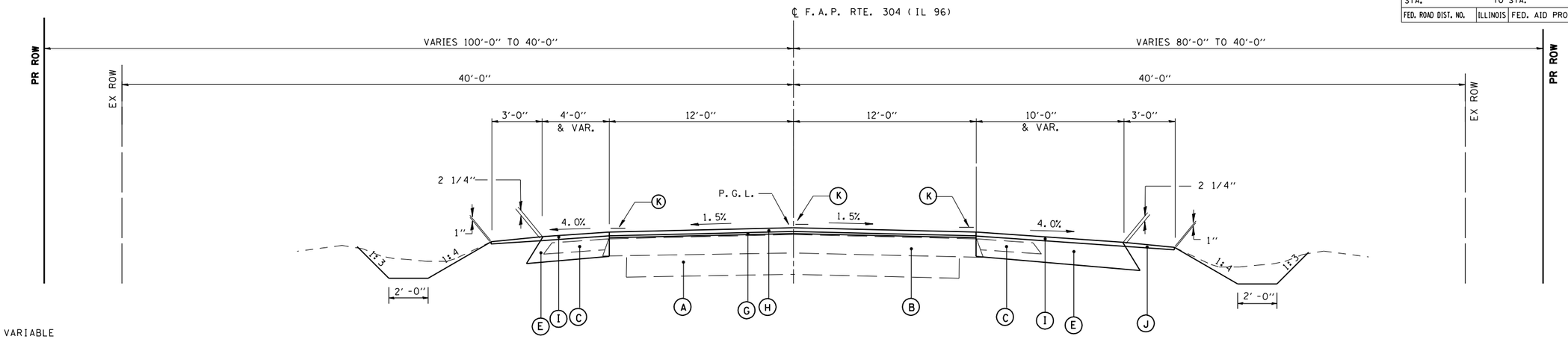
USER NAME = laughlin

CONTRACT NO. 72908

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	3B-1	PIKE	51	10
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



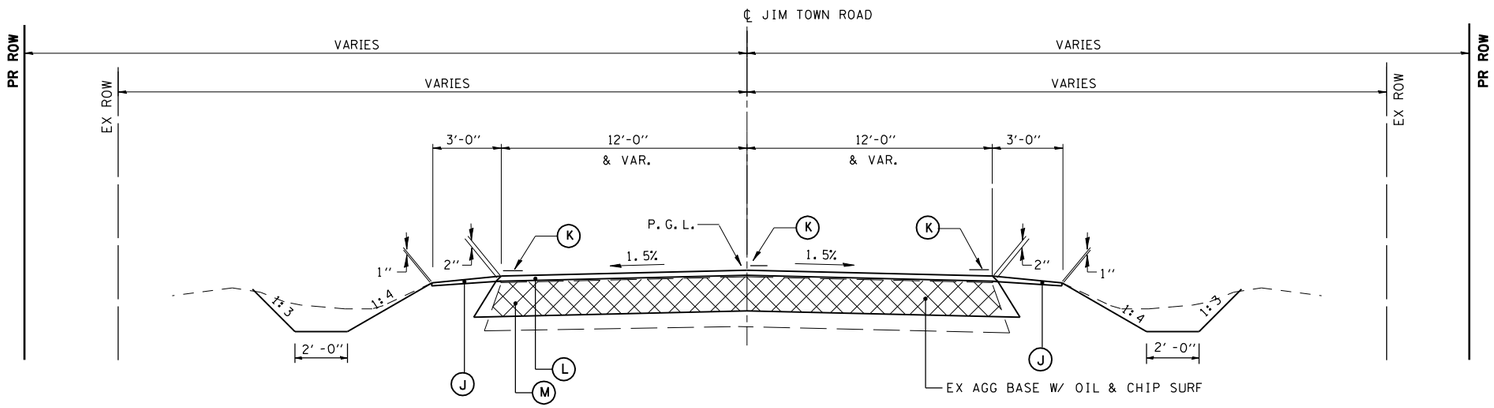
TYPICAL SECTION # 3

STA. 785+15 TO STA. 789+95.00

LEGEND

- (A) EX AGG BSE, VARIABLE THICKNESS (7" TO 12")
- (B) EX HMA SURF 9" ±
- (C) EX AGG SHLDR
- (D) EX CONC GUTTER
- (E) PR HMA BASE CSE/WIDENING, (SEE MIX TABLE REQUIREMENTS), 10"
- (F) PR HMA BASE CSE, (SEE MIX TABLE REQUIREMENTS), 10"
- (G) PR LEVELING BINDER, (SEE MIX TABLE REQUIREMENTS), 3/4" AVG.
- (H) PR HMA SURF CSE, (SEE MIX TABLE REQUIREMENTS), 1 1/2"
- (I) PR HMA SHLDR, (SEE MIX TABLE REQUIREMENTS) 2 1/4"
- (J) PR AGG SHLDR TY. B
- (K) PR PVMT MARKING LINE - 5"
- (L) PR HMA SURF, 2" (INCIDENTAL HMA)
- (M) PR HMA BASE CSE, 8"

REMOVAL



TYPICAL SECTION # 4

STA. 10+12 TO STA. 11+50

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
IL 96 OVER JIMTOWN BRANCH
FAP 304 SECTION 3B-1
PIKE COUNTY

SCALE: N.T.S DRAWN BY AGG
DATE: $DATE CHECKED BY MJS

The Upchurch Group
HILLSIDE, IL. (708) 449-2321
MATTOON, IL. (217) 235-3177

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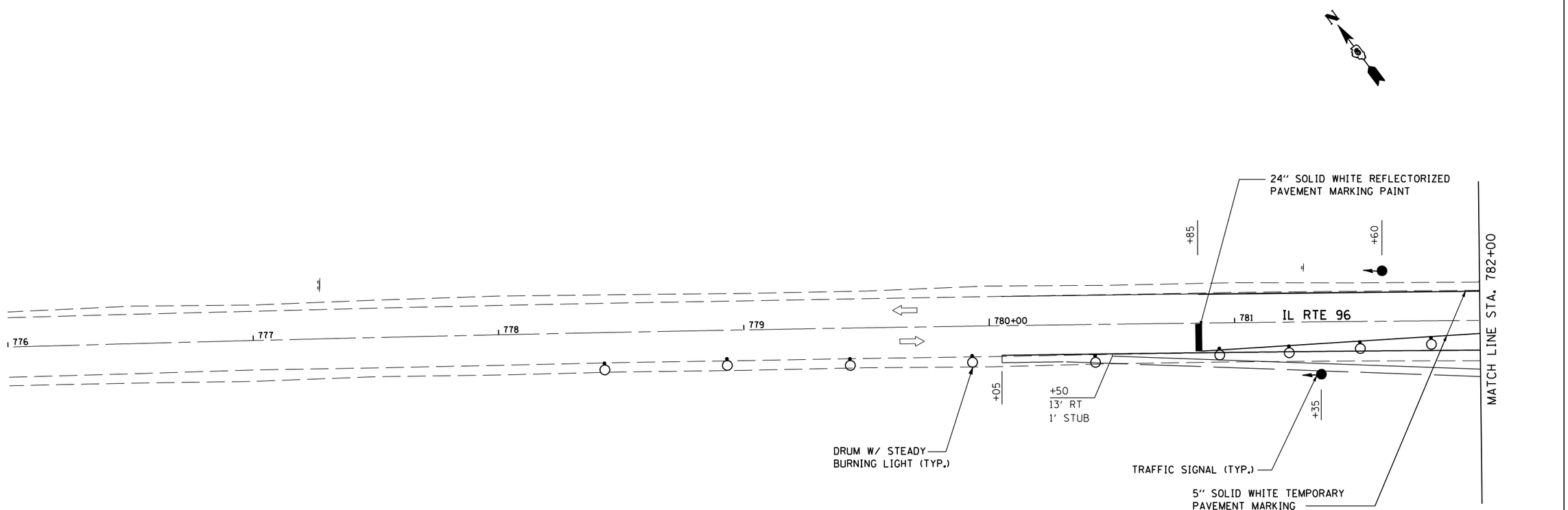
CONTRACT NO. 72908

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	3B-1	PIKE	51	11
STA. 780+00	TO STA. 782+00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



0 50' 100' — 1"= 20'

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

STAGE 1 CONSTRUCTION PLAN
IL 96 OVER JIMTOWN BRANCH
FAP 304 SECTION 3B-1
PIKE COUNTY

SCALE: 1"=20' DRAWN BY GEW
DATE: $DATE CHECKED BY MJS

The Upchurch Group_
HILLSIDE, IL. (708) 449-2321
MATTOON, IL. (217) 235-3177

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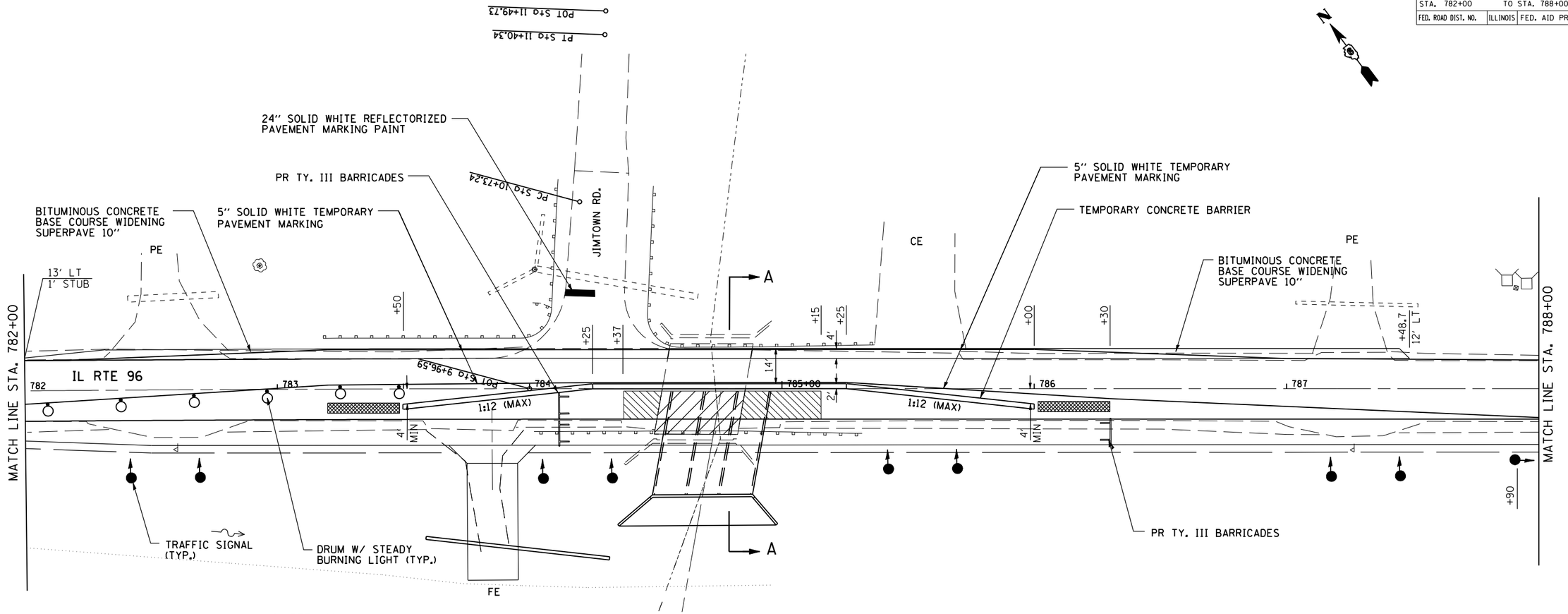
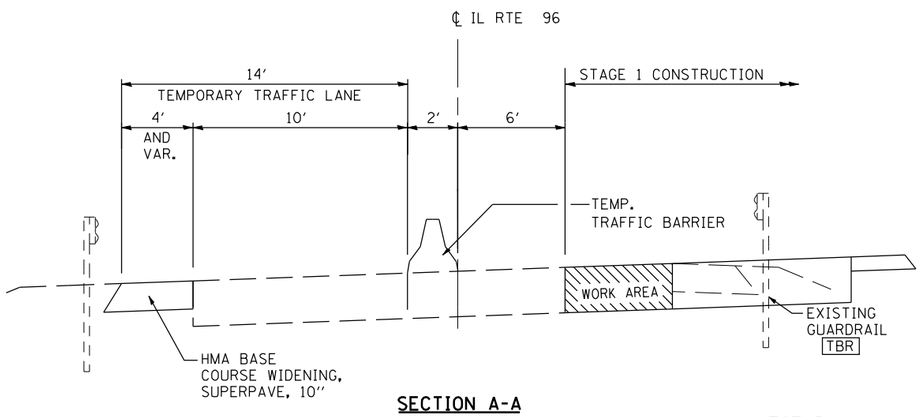
USER NAME = laughlin1

CONTRACT NO. 72908

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	3B-1	PIKE	51	12
STA. 782+00	TO STA. 788+00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		





SECTION A-A

LEGEND

- PAVEMENT REMOVAL
- BRIDGE DECK REMOVAL
- IMPACT ATTENUATOR, NON-REDIRECTIVE (TEMPORARY) TEST LEVEL 3

STAGE 1 CONSTRUCTION SEQUENCE

1. CONSTRUCT HMA BASE COURSE WIDENING, 10" (LT, SHOULDER, 4 FT. WIDE & VAR.) AS SHOWN IN SECTION A-A, STA. 782+00 TO STA. 787+48.7 (GO THRU SIDEROAD AND OMIT OVER EXISTING BRIDGE) USING STANDARD 701326.
2. THE BUREAU OF OPERATIONS TRAFFIC ENGINEER SHALL BE NOTIFIED 21 CALENDAR DAYS IN ADVANCE OF INSTALLING STANDARD 701321 IN ORDER TO MANUFACTURE AND ERECT MAXIMUM WIDTH SIGNING.
3. INSTALL STANDARD 701321 USING STANDARD 701201 AND 701301.
4. REMOVE STAGE 1 PORTION OF EXISTING BRIDGE AND CONSTRUCT SOUTH PORTION OF BOX CULVERT.
5. CONSTRUCT HMA BASE COURSE, 10" (RT, ROADWAY AND SHOULDER) STA 784+37 TO STA 785+15
6. CONSTRUCT HMA BASE COURSE/WIDENING, 10", (RT, SHOULDER 10 FT. WIDE AND VARIES), STA. 780+50 TO STA 789+36.5
7. RELOCATE STANDARD 701321 TO STAGE II USING STANDARD 701201 AND 701301.
8. SWITCH TRAFFIC TO STAGE 2.

NOTES

1. A WING BARRICADE, STANDARD 7020001 SHALL BE USED TO SUPPORT THE "SIGNAL AHEAD" SIGNS. TWO HIGH INTENSITY FLASHING LIGHTS PER BARRICADE SHALL BE INSTALLED INSTEAD OF TYPE A FLASHING LIGHTS.
2. THE CONTRACTOR SHALL PROVIDE AND ERECT A W12-1102, 48x48(0) LANE WIDTH SIGNS. THESE SHALL BE PLACED AS DIRECTED BY ENGINEER.

0 — 50' — 100' — 1"= 20'

The Upchurch Group
HILLSIDE, IL. (708) 449-2321
MATTOON, IL. (217) 235-3177

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

STAGE 1 CONSTRUCTION PLAN
IL 96 OVER JIMTOWN BRANCH
FAP 304 SECTION 3B-1
PIKE COUNTY

SCALE: 1"=20' DRAWN BY GEW
DATE: $DATE CHECKED BY MJS

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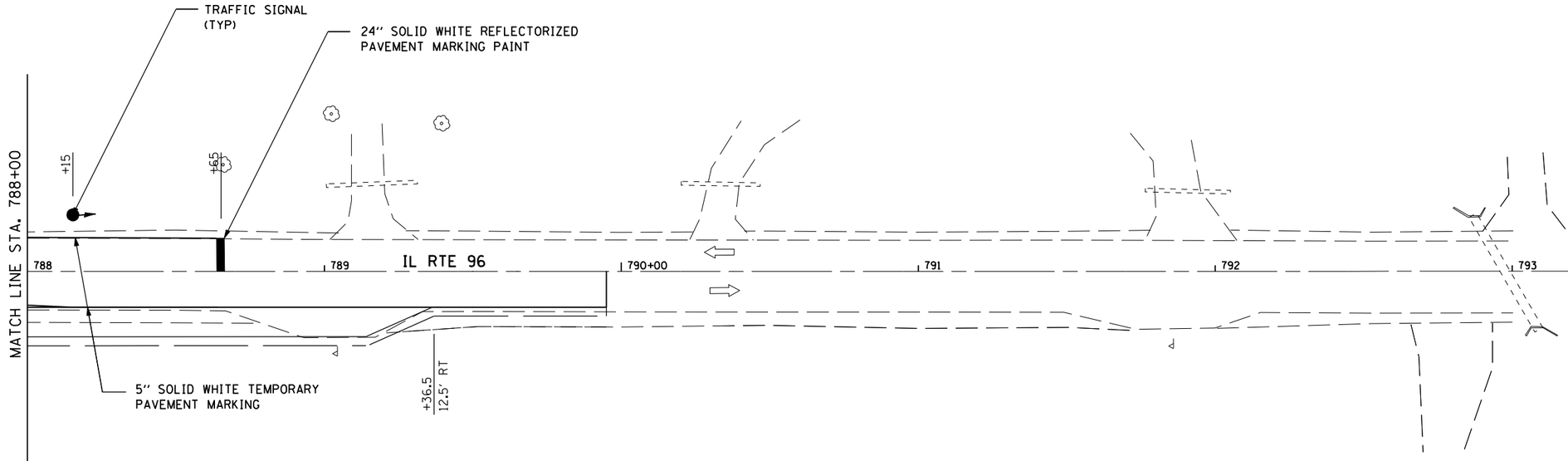
USER NAME = laughlinr1

CONTRACT NO. 72908

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	3B-1	PIKE	51	13
STA. 788+00	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



0 50' 100' — 1"= 20'

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

STAGE 1 CONSTRUCTION PLAN
IL 96 OVER JIMTOWN BRANCH
FAP 304 SECTION 3B-1
PIKE COUNTY

SCALE: 1"=20' DRAWN BY GEW
DATE: $DATE CHECKED BY MJS

The Upchurch Group
HILLSIDE, IL. (708) 449-2321
MATTOON, IL. (217) 235-3177

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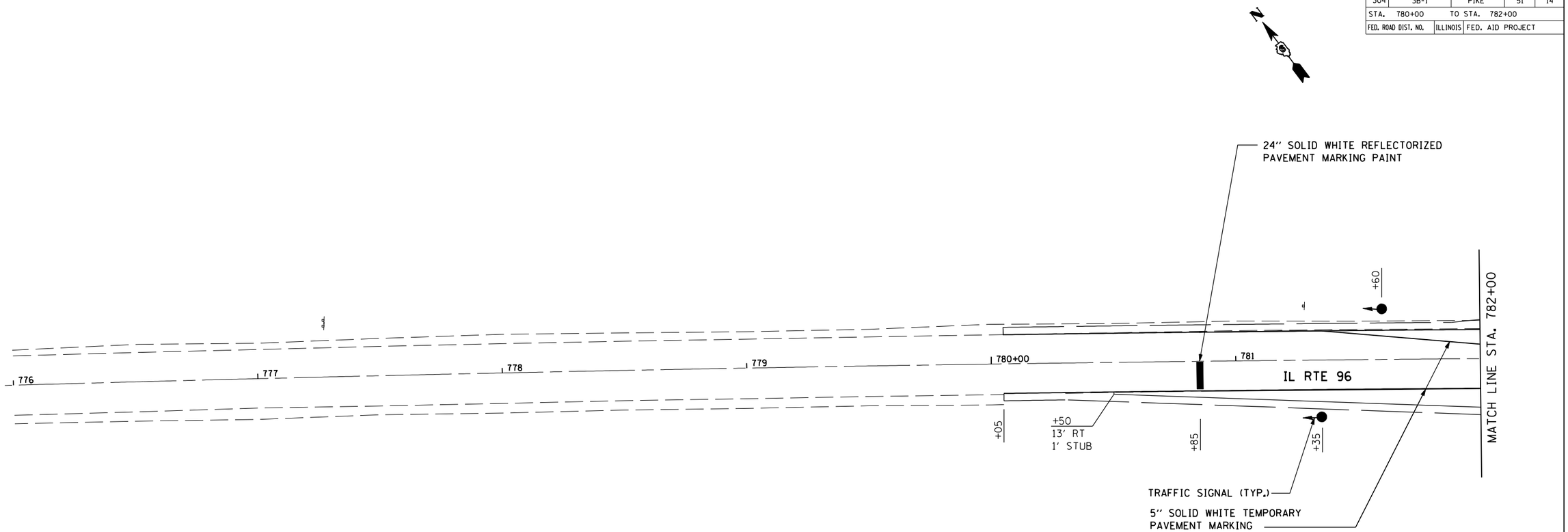
USER NAME = laughlinr

CONTRACT NO. 72908

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	3B-1	PIKE	51	14
STA. 780+00	TO STA. 782+00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



0 50' 100' — 1"= 20'

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

STAGE 2 CONSTRUCTION PLAN
IL 96 OVER JIMTOWN BRANCH
FAP 304 SECTION 3B-1
PIKE COUNTY

SCALE: 1"=20' DRAWN BY GEW
DATE: $DATE CHECKED BY MJS

The Upchurch Group_
HILLSIDE, IL. (708) 449-2321
MATTOON, IL. (217) 235-3177

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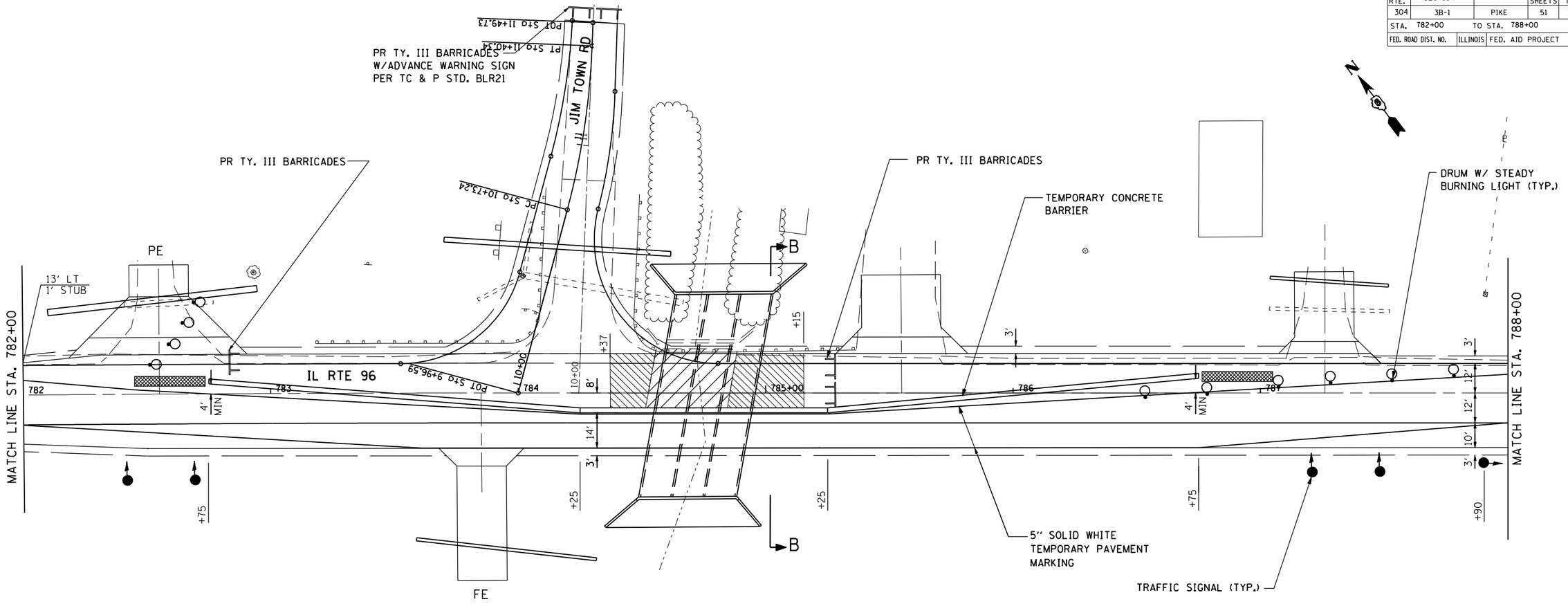
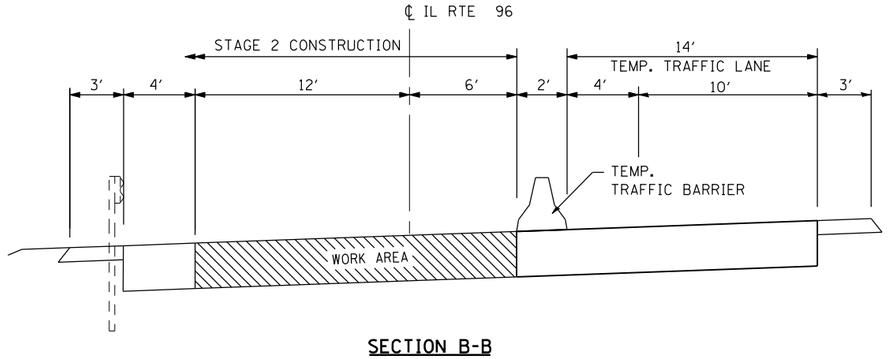
CONTRACT NO. 72908

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	3B-1	PIKE	51	15
STA. 782+00	TO STA. 788+00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		





SECTION B-B

LEGEND

- PAVEMENT REMOVAL
- BRIDGE DECK REMOVAL
- IMPACT ATTENUATOR, NON-REDIRECTIVE (TEMPORARY) TEST LEVEL 3

STAGE 2 CONSTRUCTION SEQUENCE

1. REMOVE REMAINDER OF EXISTING BRIDGE, CONSTRUCT REMAINING PORTION OF BOX CULVERT
2. CONSTRUCT HMA BASE COURSE, 10" (LT ROADWAY AND SHOULDER) STA. 784+37 TO STA. 785+15
3. CONSTRUCT HMA BASE, 8" ON JIM TOWN ROAD
4. REMOVE STANDARD 701321 USING STANDARD 701201 AND 701301
5. CONSTRUCT LEVELING BINDER, SURFACE COURSE, HMA SHOULDER AND AGGREGATE SHOULDER USING STANDARDS 701011 AND 701306

NOTES

1. A WING BARRICADE, STANDARD 7020001 SHALL BE USED TO SUPPORT THE "SIGNAL AHEAD" SIGNS. TWO HIGH INTENSITY FLASHING LIGHTS PER BARRICADE SHALL BE INSTALLED INSTEAD OF TYPE A FLASHING LIGHTS
2. THE CONTRACTOR SHALL PROVIDE AND ERECT A W12-1102, 48x48(O) LANE WIDTH SIGNS. THESE SHALL BE PLACED AS DIRECTED BY ENGINEER

0 50' 100' — 1"= 20'

The Upchurch Group
HILLSIDE, IL. (708) 449-2321
MATTOON, IL. (217) 235-3177

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

STAGE 2 CONSTRUCTION PLAN
IL 96 OVER JIMTOWN BRANCH
FAP 304 SECTION 3B-1
PIKE COUNTY

SCALE: 1"=20' DRAWN BY GEW
DATE: $DATE CHECKED BY MJS

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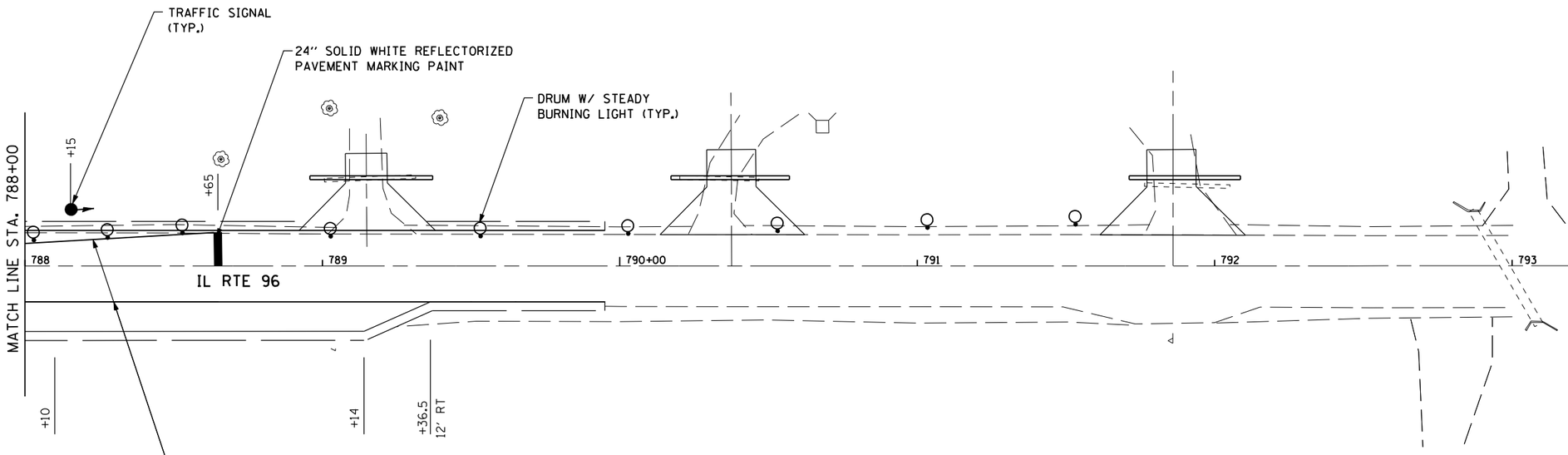
CONTRACT NO. 72908

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	3B-1	PIKE	51	16
STA. 788+00	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



0 50' 100' — 1"= 20'

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

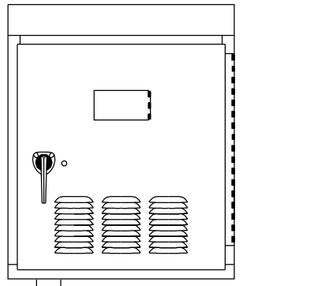
STAGE 2 CONSTRUCTION PLAN
IL 96 OVER JIMTOWN BRANCH
FAP 304 SECTION 3B-1
PIKE COUNTY

SCALE: 1"=20' DRAWN BY GEW
DATE: $DATE CHECKED BY MJS

The Upchurch Group
HILLSIDE, IL. (708) 449-2321
MATTOON, IL. (217) 235-3177

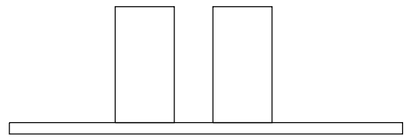
CONTRACT NO. 72908

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	3B-1	PIKE	51	17
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



Temporary Controller Cabinet

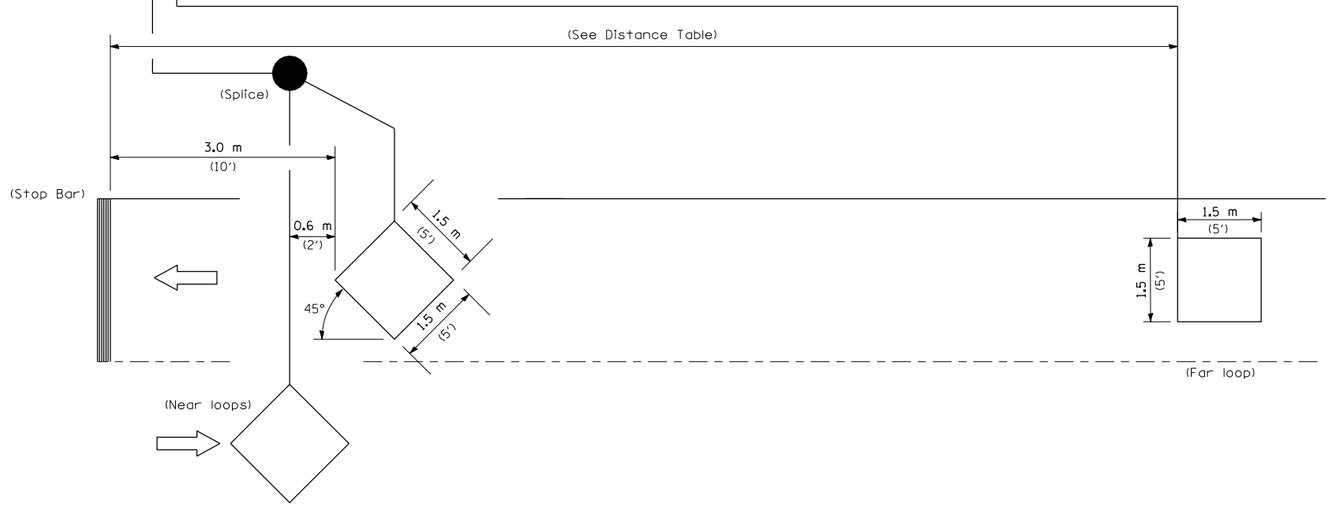
DETECTOR AMPLIFIER NOTES



AMP 1: DELAY = 8 SECONDS
DELAY SHALL BE INHIBITED DURING GREEN

AMP 2: NO DELAY

FAR LOOP DISTANCE TABLE	
ADVISORY SPEED (MPH)	DISTANCE FROM STOP BAR (FT.)
30 OR LESS	220
35	260
40	300
45	330
50	370
55	400



NOTE: All loops centered in lane.

INDUCTION LOOP DETECTOR

TEMPORARY BRIDGE TRAFFIC SIGNAL
LOOP PLACEMENT DETAIL SHEET

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL & PROTECTION

IL 96 OVER JIMTOWN BRANCH
FAP 304 SECTION 3B-1
PIKE COUNTY

SCALE: NONE DRAWN BY DIST. 6
DATE: $DATE CHECKED BY MJS

The Upchurch Group_
HILLSIDE, IL. (708) 449-2321
MATTOON, IL. (217) 235-3177

PLOT DATE = Aug-31-2007 11:48:43AM
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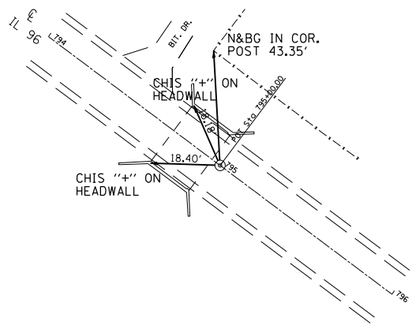
USER NAME = laughlin

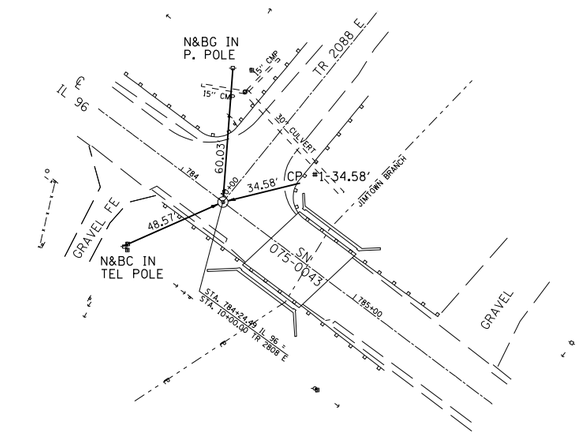
CONTRACT NO. 72908

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	3B-1	PIKE	51	18
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

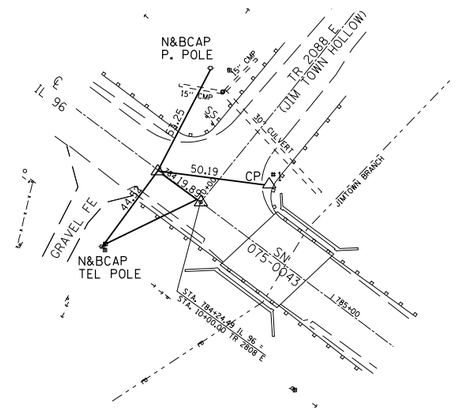
TIES - P.O.T. 795+00.00
SET 5/8" REBAR



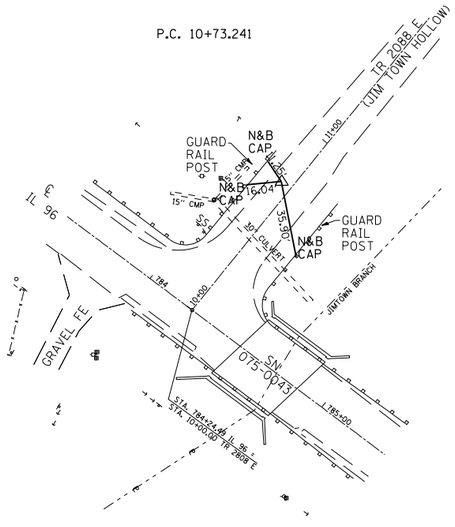
TIES - P.T. 784+19.90
SET 5/8" REBAR



P.O.T. 784+00.00 = 9+96.590



P.C. 10+73.241



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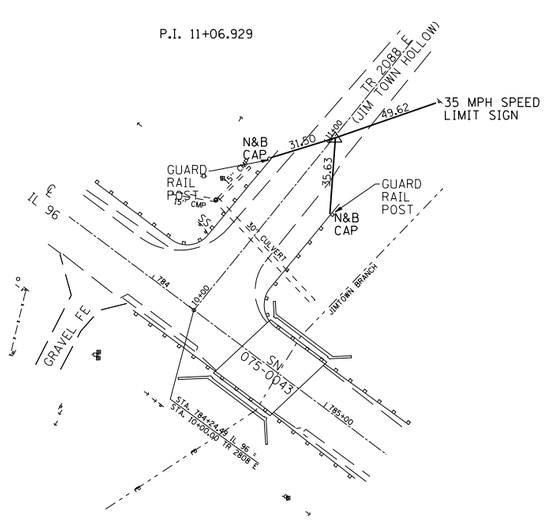

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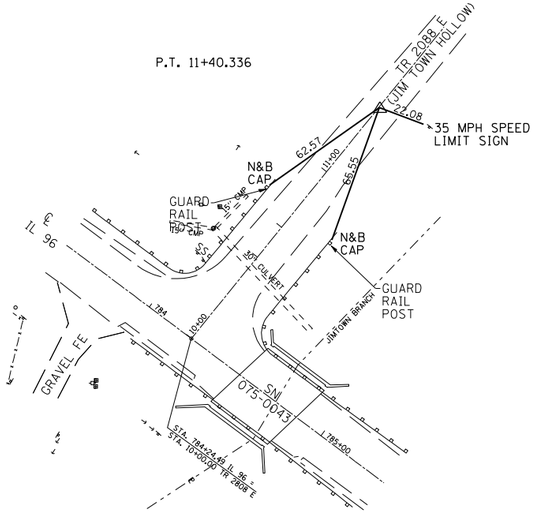

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

X-TIES
IL 96 OVER JIMTOWN BRANCH
FAP 304 SECTION 3B-1
PIKE COUNTY

SCALE:
DRAWN BY
DATE: $DATE
CHECKED BY MJS

The Upchurch Group_
HILLSIDE, IL. (708) 449-2321
MATTOON, IL. (217) 235-3177

PLOT DATE = Aug-31-2007 11:48:47AM
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USER NAME = laughlin1

CONTRACT NO. 72908

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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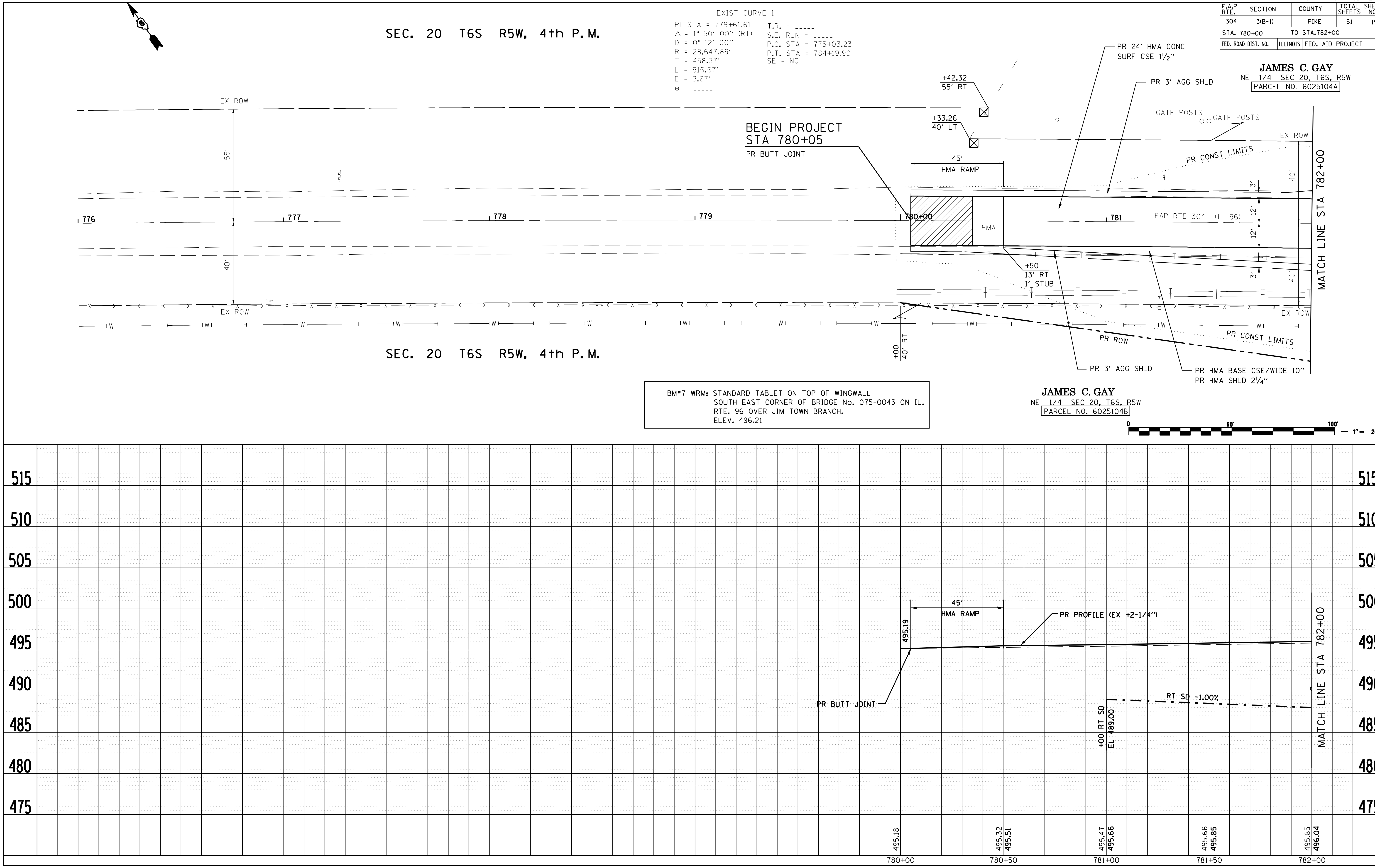
STA. 780+00	TO STA.782+00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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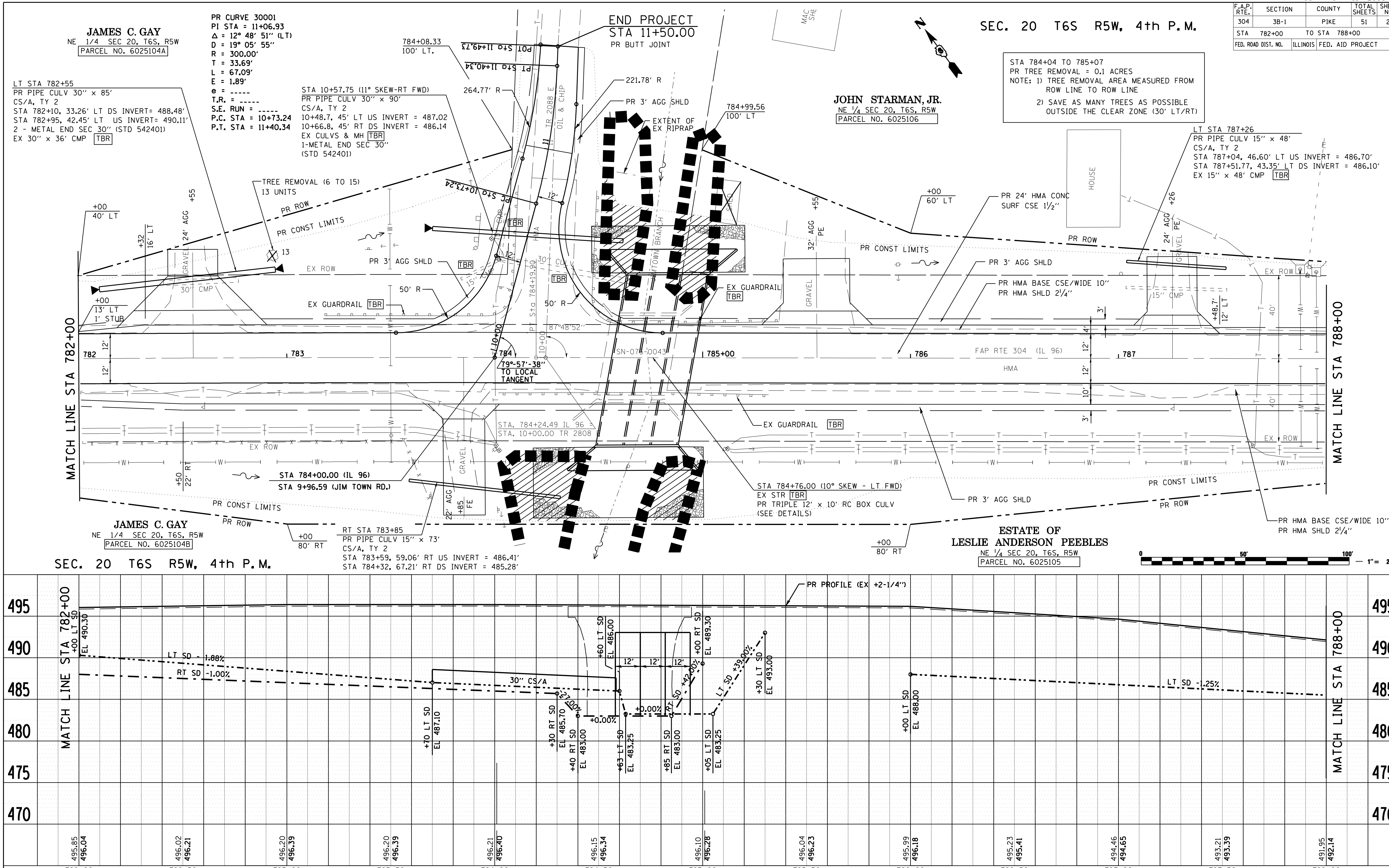
REFERENCE = REF

THE UPCHURCH GROUP, INC.

IL 96 PLAN AND PROFILE SHEET

CONTRACT NO. 72908

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	3B-1	PIKE	51	20
STA 782+00	TO STA 788+00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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THE UPCHURCH GROUP, INC.

IL 96 PLAN AND PROFILE SHEET

CONTRACT NO. 72908

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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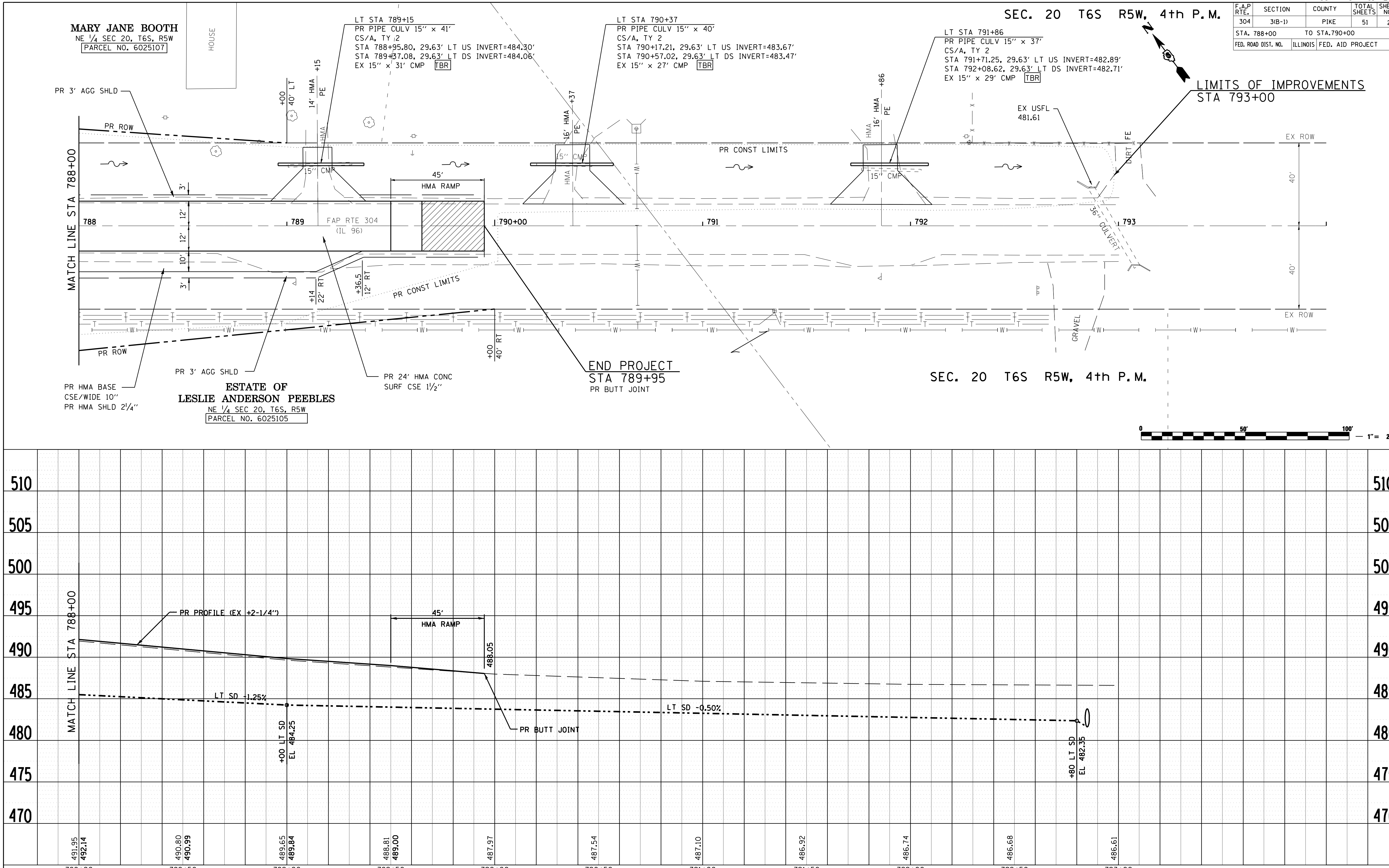
STA. 788+00	TO STA.790+00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



SEC. 20 T6S R5W, 4th P.M.
MARY JANE BOOTH
NE 1/4 SEC 20, T6S, R5W
PARCEL NO. 6025107
HOUSE
LT STA 789+15
PR PIPE CULV 15" x 41'
CS/A, TY 2
STA 788+95.80, 29.63' LT US INVERT=484.30'
STA 789+37.08, 29.63' LT DS INVERT=484.06'
EX 15" x 31' CMP TBR
LT STA 790+37
PR PIPE CULV 15" x 40'
CS/A, TY 2
STA 790+17.21, 29.63' LT US INVERT=483.67'
STA 790+57.02, 29.63' LT DS INVERT=483.47'
EX 15" x 27' CMP TBR
LT STA 791+86
PR PIPE CULV 15" x 37'
CS/A, TY 2
STA 791+71.25, 29.63' LT US INVERT=482.89'
STA 792+08.62, 29.63' LT DS INVERT=482.71'
EX 15" x 29' CMP TBR
LIMITS OF IMPROVEMENTS
STA 793+00
EX USFL
481.61
PR 3' AGG SHLD
PR ROW
PR CONST LIMITS
EX ROW
MATCH LINE STA 788+00
45'
HMA RAMP
FAP RTE 304
(IL 96)
15" CMP
36" CULVERT
DIRT FE
GRAVEL
40'
END PROJECT
STA 789+95
PR BUTT JOINT
PR HMA BASE
CSE/WIDE 10"
PR HMA SHLD 2 1/4"
PR 3' AGG SHLD
ESTATE OF
LESLIE ANDERSON PEEBLES
NE 1/4 SEC 20, T6S, R5W
PARCEL NO. 6025105
PR 24' HMA CONC
SURF CSE 1 1/2"
SEC. 20 T6S R5W, 4th P.M.
0 50' 100'
1"= 20'
PR PROFILE (EX +2-1/4")
45'
HMA RAMP
488.05
LT SD -1.25%
LT SD -0.50%
PR BUTT JOINT
+00 LT SD
EL 484.25
+80 LT SD
EL 482.35
510 505 500 495 490 485 480 475 470
491.95 492.14
490.80 490.99
489.65 489.84
488.81 489.00
487.97
487.54
487.10
486.92
486.74
486.68
486.61
788+00 788+50 789+00 789+50 790+00 790+50 791+00 791+50 792+00 792+50 793+00
PLAN
PROFILE

THE UPCHURCH GROUP, INC.

IL 96 PLAN AND PROFILE SHEET

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CONTRACT NO. 72908

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	3(B-1)	PIKE	51	22
STA. 10+00	TO STA.11+50			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PR CURVE 30001
PI STA = 11+06.93
Δ = 12° 48′ 51″ (LT)
D = 19° 05′ 55″
R = 300.00′
T = 33.69′
L = 67.09′
E = 1.89′
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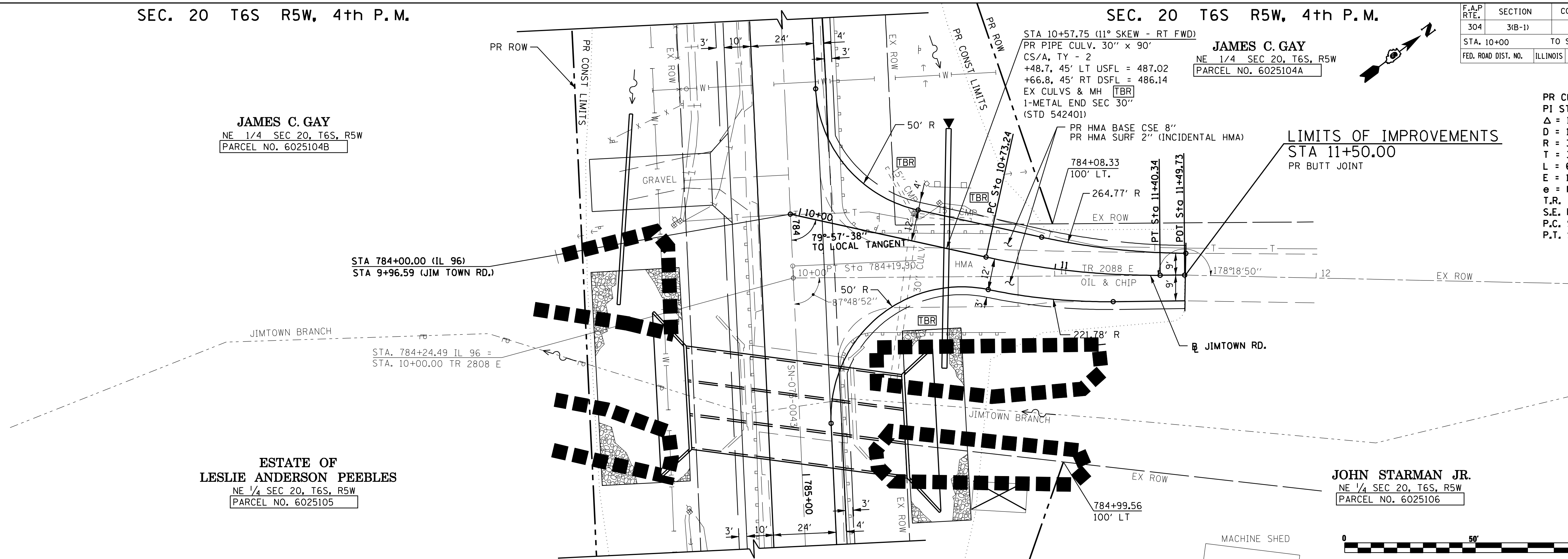
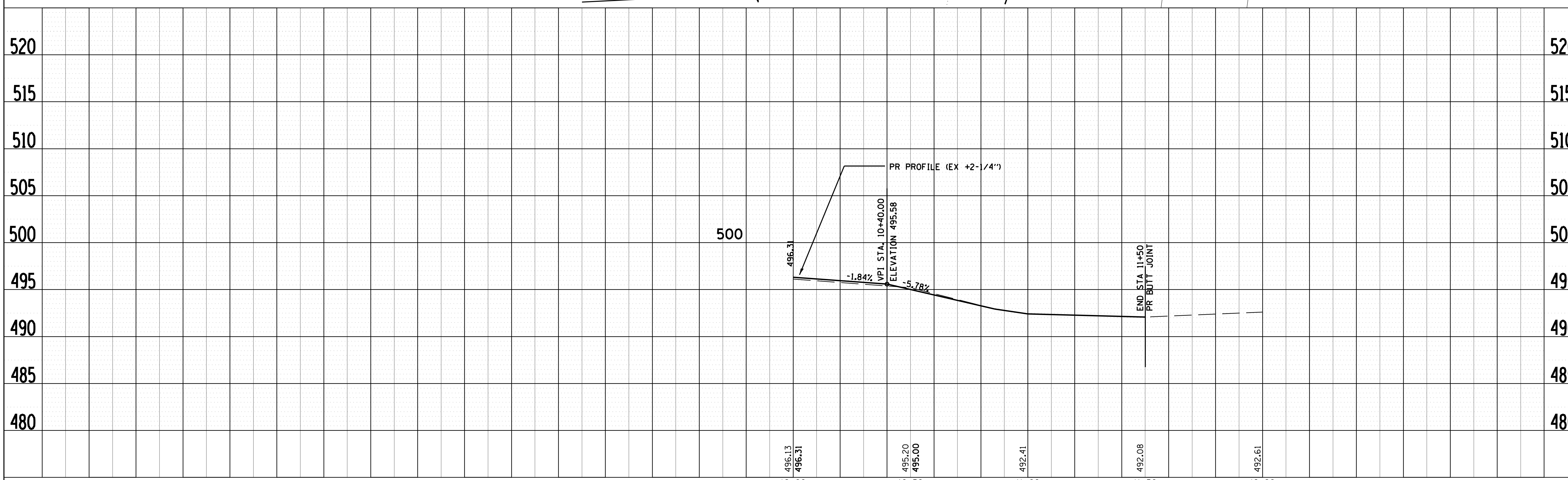
T.R. = N.A.
S.E. RUN = N.A.
P.C. STA = 10+73.24
P.T. STA = 11+40.34





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PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, B.M. NOTED, STRUCTURE NOTATNS CHKD; NOTE BOOK, NO.; BY; DATE

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REFERENCE = #REF#

THE UPCHURCH GROUP, INC.

JIM TOWN ROAD PLAN AND PROFILE SHEET

CONTRACT NO. 72908

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	3B-1	PIKE	51	23
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

STORM WATER POLLUTION PREVENTION PLAN

Route: FAP 304 Marked: IL 96

Section: 3B-1 Project No.: NA

County: Pike Contract No.: 72908

This plan has been prepared to comply with the provision of the NPDES Permit Number ILR10 _____ issued by the Illinois Environmental Protection Agency for storm water discharges from construction site activities.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gathered and evaluated the information submitted. Based on my inquire of the person or persons who manage the system, or those persons directly responsible for gathering the information submitted, is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

(Signature) (Date) 8/31/07

(Title)

Note: The above boxed in area will be filled out by IDOT - Construction after the award of the contract to obtain the required NPDES permit.

The following plan was established and included in these plans to direct the Contractor in the placement of temporary erosion control systems and to provide a storm water pollution prevention plan for compliance under NPDES. The Contractor shall abide to all requirements within this plan as part of the contract.

The purpose of this plan is to prevent / minimize siltation within the construction zone and to eliminate sediments from entering and leaving the construction zone by utilizing proper temporary erosion control systems and providing ground cover within a reasonable time.

Certain items, as shown in this plan and referenced by the legend, shall be placed by the Contractor at the beginning of construction. Other items shall be placed by the Contractor as directed by the Engineer on a case by case situation resulting from the Contractor's sequence of activities, time of the year, and expected weather conditions.

The Contractor shall place permanent erosion control systems and seeding within a reasonable amount of time; therefore, reducing the amount of area being open to the possibility of erosion and reducing the amount of temporary erosion control systems and temporary seeding. The Resident Engineer will determine if temporary erosion control systems shown in the plan can be deleted, the size of the proposed ditch checks, the proper method of installation, and if any additional temporary erosion control systems shall be added which are not included in this plan. The Contractor shall perform all work as directed by the Engineer and as shown in special details and in Standard 280001 of the plans.

The special provisions Temporary Seeding, Temporary Erosion Control Seeding, and Temporary Erosion Control additionally supplement this plan.

All disturbed areas having high potential for erosion, as determined by the Engineer, shall be temporarily seeded or permanently seeded by October 1, 2008 and shall not be reopened until after the winter shutdown period.

SITE DESCRIPTION

Description of Construction Activity:

1. The proposed project consists of removal and replacement of the existing bridge spanning Jimtown Branch on IL 96 1.0 miles East of Rockport in Pike county.
2. Construction consists of grading, constructing culverts / storm sewer system, widening, bituminous resurfacing, placing aggregate shoulders and other miscellaneous work to complete improvements to the proposed roadways.

Description of Intended Sequence of Major Construction Activities Which Will Disturb Earth and Lead to Possible Erosion for Major Portions of the Construction Site:

1. Tree removal will be completed to clear the site of trees as shown on the plans.
2. Excavation will be completed along the entire length to grade out for proposed roadway ditches and waterways.
3. Excavation will also be completed in proposed cut sections to lower the existing ground elevation to meet the proposed roadway grade/vertical alignment.
4. Embankment will be completed in fill areas to raise the existing ground elevation to meet the proposed roadway foreslope and backslope.
5. Drainage structures will be installed before and/or during the construction of the excavation and embankment to allow proper drainage across the proposed two lane facility.
6. Placement, maintenance, removal and proper clean-up of temporary erosion control, such as erosion control fence, riprap ditch checks, sediment basins, temporary seeding, etc.
7. Placement of permanent erosion control, such as riprap ditch lining, riprap stilling basins, excelsior blanket, seeding, etc.
8. Final grading, paving and other miscellaneous items.

Area of Construction Site:
The total drainage area entering and including the construction site is estimated to be 1070 acres in which 1.4 acres will be disturbed by excavation, grading or other activities.

Other Reports, Studies and Plans which Aid in the Development of this Storm Water Pollution Prevention Plan as Referenced Documents:

1. Estimated run-off coefficients are contained in the project drainage study which were utilized for proposed placement of the temporary erosion control systems.
2. Information on the soils within the site was obtained from field reviews which were utilized for proposed placement of the temporary erosion control systems.
3. Site maps indicating drainage patterns and approximate slopes were contained in the project design report, USGS drainage maps, project drainage study, and project plan documents were all utilized for proposed placement of the temporary erosion control systems.

Drainage Tributaries Receiving Water from this Construction Site:

1. Jimtown Branch

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

STORM WATER POLLUTION PREVENTION PLAN

SCALE: VERT. HORIZ. DRAWN BY CADD

DATE: APRIL 5, 1999 CHECKED BY JCN

PLOT DATE = Aug-31-2007 11:36:29AM
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USER NAME = Laughlinc

SWPPLAN

CONTROLS - EROSION CONTROLS AND SEDIMENT CONTROLS

Description of Stabilization Practices at the Beginning of Construction:

1. The area between the existing and proposed right-of-way/temporary easement boundaries and limits of the project will be improved and managed for the purposes of controlling erosion within the area, reducing water flow by temporary diversion and minimizing siltation into the construction zone, and establishing vegetative cover which will become permanent vegetation and act as an erosion barrier. Work at the beginning of construction will consist of the following:

   (a) Areas of existing vegetation (woods and grasslands) outside the proposed construction slope limits shall be identified for preserving and shall be protected from mowing, brush cutting, tree removal and other activities which would be detrimental to their maintenance and development.

   (b) Dead, diseased, or unsuitable vegetation within the site shall be removed as directed by the Engineer, along with required tree removal.

   (c) As soon as reasonable access is available (such as trees cleared) to all locations where water drains away from the project, sediment basins, riprap ditch checks, temporary ditch checks, and/or erosion control fence shall be installed as called out in this plan and directed by the Engineer.

   (d) Bare and sparsely vegetated ground in highly erodable areas as determined by the Engineer shall be temporarily seeded at the beginning of construction where no construction activities are immediately expected as stated in the special provision "Temporary Erosion Control Seeding".

   (e) Immediately after tree removal is completed in certain areas which are highly erodable areas as determined by the Engineer, the areas shall be temporarily seeded where no construction activities are immediately expected as stated in the special provision •Temporary Erosion Control Seeding•.

   (f) At locations where a significant amount of water drains into the construction zone from outside areas (adjacent landowners), erosion control fence, temporary ditch checks, or riprap ditch checks will be utilized to locally divert water, reduce flow rates, and collect outside siltation inside the right-of-way line. Erosion control items will not be allowed to be installed to cause flooding to upstream private property which could cause crop damages or other undesireable conditions.

2. Establishment of these temporary erosion control measures will have additional benefits to the project. Desirable grass seed will become established in these areas and will spread seeds onto the construction site until permanent seeding/mowing and overseeding can be complete.

3. A third benefit of these filter areas is that they will begin to provide a screen and buffer. They will help protect the construction site from winds and excess sun and mitigate construction noise and dust.

Description of Stabilization Practices During Construction:

1. During roadway construction, areas outside the construction slope limits as outlined previous herein shall be protected from damaging effects of construction. The Contractor shall not use this area for staging (except as designated on the plans or directed by the Engineer), parking of vehicles or construction equipment, storage of materials, or other construction related activities.
   (a) Within the construction zone, critical areas which have high flows of water as determined by the Engineer shall remain undisturbed until full scale construction is underway to prevent unnecessary soil erosion.
   (b) Top soil and earth stockpiles shall be temporarily seeded if they are to remain unused for more than fourteen days.
   (c) As the Contractor constructs a portion of roadway in a fill section, he/she shall follow the following steps as directed by the Engineer:

   i. Place temporary erosion control systems at locations where water leaves and enters the construction zone
   ii. Temporary seed highly erodable areas outside the construction slope limits
   iii. Construct roadside ditches and provide temporary erosion control systems
   iv. Temporary divert water around proposed culvert locations
   v. Build necessary embankment at culvert locations and then excavate and place culvert
   vi. Continue building up the embankment to the proposed grade while at the same time place permanent erosion control such as riprap ditch lining and conduct final shaping to the slopes

   (d) The Contractor shall immediately follow major earth moving operations with final grading equipment. After the major earth spread operation has moved to a new location, final grading shall be completed within fourteen days. If grading is not completed within fourteen days, all major earth moving operations will be stopped, as directed by the Engineer, until disturbed areas are final graded and seeded.

   (e) Excavated areas and embankments shall be permanently seeded when final graded. If not, they shall be temporarily seeded as stated in the special provision "Temporary Erosion Control Seeding".

   (f) Construction equipment shall be stored and fueled only at designated locations. All necessary measures shall be taken to contain any fuel or pollution run-off in compliance with EPA water quality regulations. Leaking equipment or supplies shall be immediately repaired or removed from the site.

   (g) The Resident Engineer shall inspect the project daily during activities and weekly or after large rains during the winter shutdown period. The project shall additionally be inspected by the Construction Field Engineer on a bi-weekly basis to determine that erosion control efforts are in place and effective and if other control work is necessary.

   (h) Sediment collected during construction by the various temporary erosion control systems shall be disposed of on the site on a regular basis as directed by the Engineer. The cost of this maintenance will be paid for in accordance with Article 109.04 of the Standard Specifications.

   (i) The temporary erosion control systems shall be removed as directed by the Engineer after use is no longer needed or no longer functioning. The costs of this removal shall be included in the unit bid price for the temporary erosion control system. No additional compensation will be allowed.

Description of Structural Practices After Final Grading:

1. Temporary erosion control systems shall be left in place with proper maintenance until permanent erosion control is in place and working properly and all proposed turf areas seeded and established with a proper stand.

2. Once permanent erosion control systems as proposed in the plans are functional and established, temporary items shall be removed, cleaned up, and disturbed turf reseeded. Temporary riprap ditch checks will be allowed to remain in place where approved by the Engineer.

Maintenance after Construction:

1. Construction is complete after acceptance is received at the final inspection.

2. Areas will be inspected on a regular basis by IDOT District 6 Bureau of Operations.

3. Maintenance crews will perform regular mowings to aid in keeping weeds down and establishing a good roadside seed stand.

4. Maintenance crews will also aid in any ditch lining maintenance or in any drainage problems.

5. All maintenance will be conducted at times when weather conditions will not cause site damage.

DOCUMENTATION

1. A report summarizing the scope of the inspection, name(s) and qualifications of personnel making the inspection, date(s) of the inspection, major observations relating to the implementation of this storm water pollution prevention plan, and actions taken in accordance with Section 4.b. shall be made and retained as part of the plan for at least three years after the date of inspection. The report shall be signed in accordance with part VI.G of the general permit.

2. If any violation of the provisions of this plan is identified during the conduct of the construction work covered by this plan, the Resident Engineer or Resident Technician shall complete and file an "Incident of Noncompliance (ION)" report for the identified violation. The Resident Engineer or Resident Technician shall use forms provided by the Illinois Environmental Protection Agency and shall include specific information on the noncompliance, actions which were taken to prevent any further causes of noncompliance, and a statement detailing any environmental impact which may have resulted from the noncompliance. All reports of noncompliance shall be signed by a responsible authority in accordance with Part VI.G. of the general permit. The report of noncompliance shall be mailed to the following address:

   Illinois Environmental Protection Agency
   Division of Water Pollution Control
   2200 Churchill Road, P.O. Box 19276
   Springfield, IL 62794-9276
   Attn: Compliance Assurance Section

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

STORM WATER POLLUTION PREVENTION PLAN

SCALE: VERT.
HORIZ.
DATE: APRIL 5, 1999

DRAWN BY CADD
CHECKED BY JCN

SWPPLAN

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CONTRACT NO. 72908

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	3B-1	PIKE	51	25
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACTOR CERTIFICATION STATEMENT

This certification statement is part of the Storm Water Pollution Plan for the project described below in accordance with NPDES Permit No. ILR10 _____, issued by the Illinois Environmental Protection Agency on _____.

Route: FAP 304 Marked: IL 96

Section: 3B-1 Project No.: NA

County: Pike Contract No.: 72908

I certify under penalty of law that I understand the terms of the general National Pollutant Discharge Elimination System (NPDES) permit that authorizes the storm water discharges associated with industrial activity from the construction site identified as part of this certification.

Signature _____ Date _____

Title _____

Name of Firm _____

Street Address _____

City, State, Zip _____

Phone Number _____

Note: The above boxed in area shall be filled out by the Contractor after the award of the contract to obtain the required NPDES Permit from IEPA. This is a requirement for this contract.

SWPPLAN

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

STORM WATER POLLUTION PREVENTION PLAN

SCALE: VERT.
HORIZ.
DATE: APRIL 5, 1999

DRAWN BY CADD
CHECKED BY JCN

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CONTRACT NO. 72908

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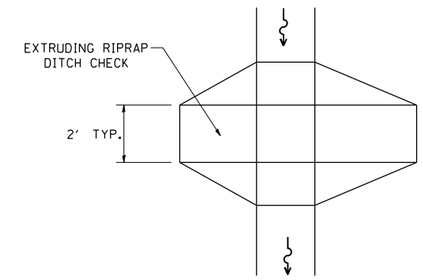
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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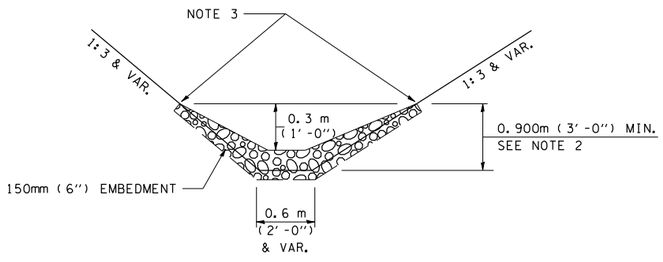
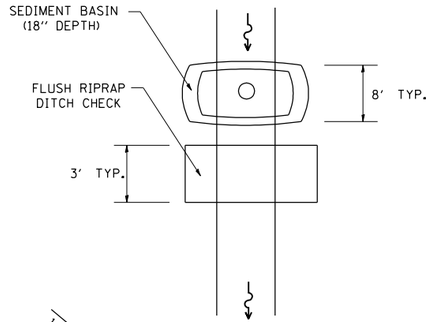


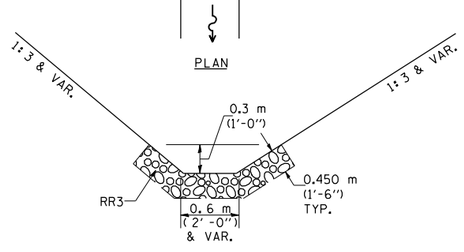
ELEVATION

OPTION 1

(EXTRUDING DITCH CHECK)
RECOMMENDED FOR AREAS
W/ RIPRAP DITCH LINING



PLAN



ELEVATION

OPTION 2

(FLUSH DITCH CHECK)
RECOMMENDED FOR AREAS
W/O RIPRAP DITCH LINING

STONE DUMPED RIPRAP DITCH CHECK

(TYPICAL & OPTIONS 1 & 2
AS DIRECTED BY THE ENGINEER)

NOTE 1: BALES SHALL EXTEND FAR ENOUGH UP THE SLOPES TO ALLOW 0.3m (1') OVERTOPPING TO AVOID ERODING AROUND THE EDGES OF THE BALES.

NOTE 2: RIPRAP SHALL EXTEND FAR ENOUGH UP THE SLOPES TO ALLOW 0.3m (1') OVERTOPPING TO AVOID ERODING AROUND THE EDGES OF THE RIPRAP.

NOTE 3: ENDS SHALL BE TIED INTO SLOPES.

LEGEND FOR STORM WATER POLLUTION PREVENTION PLAN

ITEM	SYMBOL
AGGREGATE (EROSION CONTROL) [STONE DUMPED RIPRAP DITCH CHECKS: Height = 0.6m (2')]	
TEMPORARY DITCH CHECKS	
INLET PIPE PROTECTION (I&PP)	
EROSION CONTROL FENCE	
EARTH EXCAVATION FOR EROSION CONTROL (SEDIMENT BASINS)	
PRESERVE EXISTING TREES, WOODLANDS, AND UNDERSTORY (OUTSIDE CONSTRUCTION LIMITS)	
ITEM PLACED AT BEGINNING OF CONSTRUCTION (Requirement)	* ITEM *
ITEM PLACED AS DIRECTED BY ENGINEER (When required by situation)	ITEM
DIRECTION OF OVERLAND FLOW	

GENERAL NOTES:
All items shall be constructed as shown on this sheet, on Standard 280001, and as directed by the Engineer.

The symbology on the STORM WATER POLLUTION PREVENTION PLAN sheets does not represent the size or quantity of bales, for number of bales refer to details and notes shown on this sheet and/or as directed by the Engineer.

THE CONTRACTOR SHALL INSTALL DITCH CHECKS AS DIRECTED BY THE ENGINEER. IF THE ENGINEER ELECTS TO UTILIZE FLUSH RIPRAP DITCH CHECKS IN LIEU OF TEMPORARY DITCH CHECKS AS SHOWN ON THE FOLLOWING PLAN SHEETS, THE SPACING SHOULD BE DOUBLED.

REVISIONS	
NAME	DATE
CAD Symbol	2AUG99
JCN	MAR2004

ILLINOIS DEPARTMENT OF TRANSPORTATION

STORM WATER POLLUTION PREVENTION PLAN

SCALE: VERT.
HORIZ.
DATE: APRIL 5, 1999

DRAWN BY CADD
CHECKED BY JCN

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USER NAME = laughlinr

SWPPLAN

CONTRACT NO. 72908

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	3B-1	PIKE	51	27
STA.	780+05	TO STA.	789+05	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

BEGIN PROJECT
STA 780+05

N

780+00 | IL. ROUTE 96 | 781 | 782 | 783 | 10+00 | 784 | 10+00 | 785+00

MATCH LANE STA. 786+00
SEE LOWER LEFT

SEE UPPER RIGHT
MATCH LANE STA. 786+00

786 | 787 | 788 | IL. ROUTE 96 | 789 | 790+00 | 791 | 792

END PROJECT
STA 789+95

MATCH LANE STA. 792+31
SEE LOWER LEFT

SEE UPPER RIGHT
MATCH LANE STA. 792+31

793 | 794 | POT Sta 795+00.00

LEGEND

- AGGREGATE (EROSION CONTROL) [STONE DUMPED RIPRAP DITCH CHECKS: Height = 0.6m (2')]
- INLET PIPE PROTECTION (I&PP)
- EROSION CONTROL FENCE

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN
IL 96 OVER JIMTOWN BRANCH
FAP 304 SECTION 3B-1
PIKE COUNTY

SCALE: 1"=20'
DATE: $DATE
DRAWN BY GEW
CHECKED BY MJS

The Upchurch Group_
HILLSIDE, IL. (708) 449-2321
MATTOON, IL. (217) 235-3177

PLOT DATE = Aug-31-2007 11:49:24AM
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CONTRACT NO. 72908

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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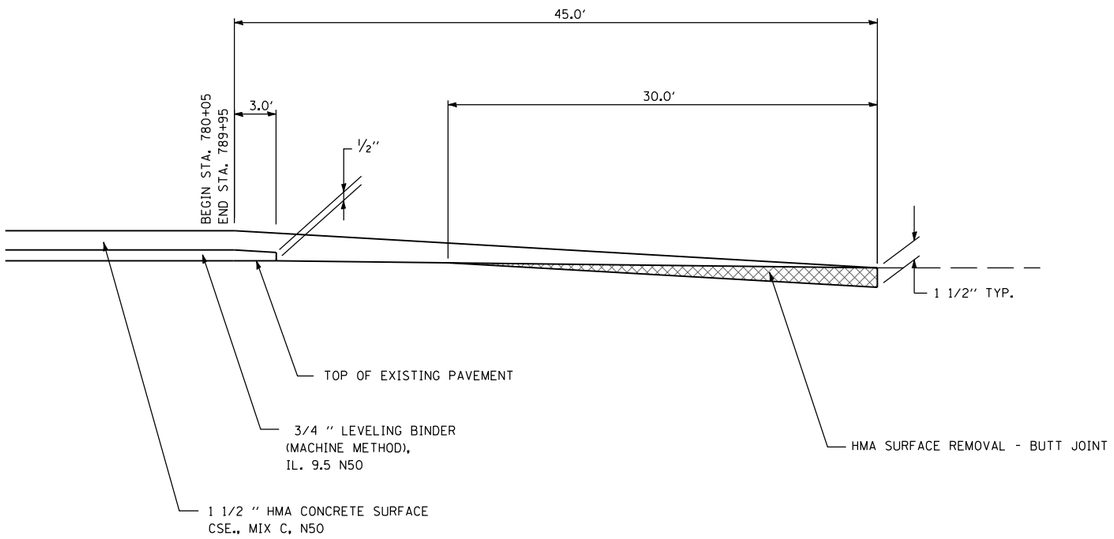
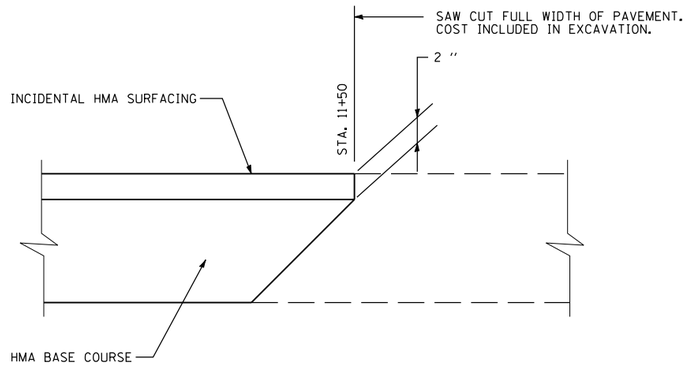
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



TYPICAL TAPER DETAIL

(AT EACH END OF PROJECT)



JIM TOWN ROAD
PAVEMENT JOINT DETAIL

LOCATION (STATION TO STATION)	ROUTE	HMA SURFACE REMOVAL - BUTT JOINT	TEMPORARY RAMP
		QUANTITY (SQ YD)	QUANTITY (SQ YD)
STA 780+05 TO STA 780+50	IL96	80	13.3
STA 789+50 TO STA 789+95	IL96	80	13.3
TOTAL		160	26.6

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The Upchurch Group_
HILLSIDE, IL. (708) 449-2321
MATTOON, IL. (217) 235-3177

REVISIONS NAME	DATE

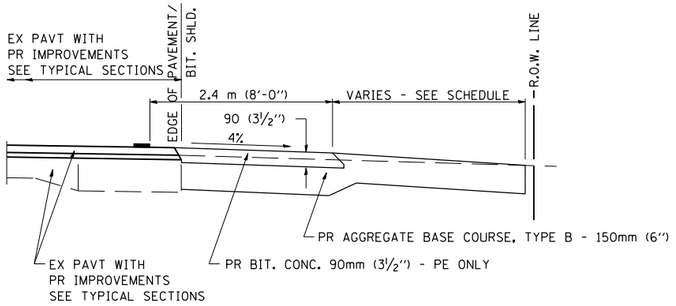
ILLINOIS DEPARTMENT OF TRANSPORTATION

ROADWAY DETAILS
IL 96 OVER JIMTOWN BRANCH
FAP 304 SECTION 3B-1
PIKE COUNTY

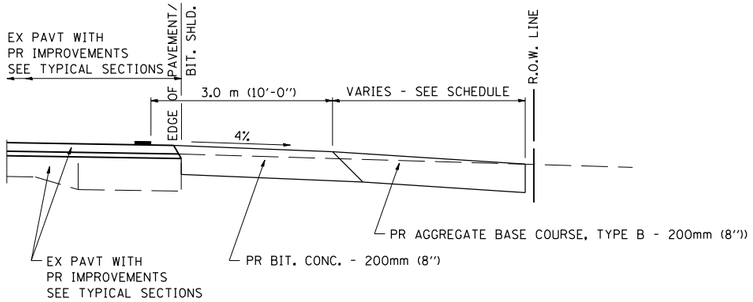
SCALE: DRAWN BY RLH
DATE: $DATE CHECKED BY MJS

CONTRACT NO. 72908

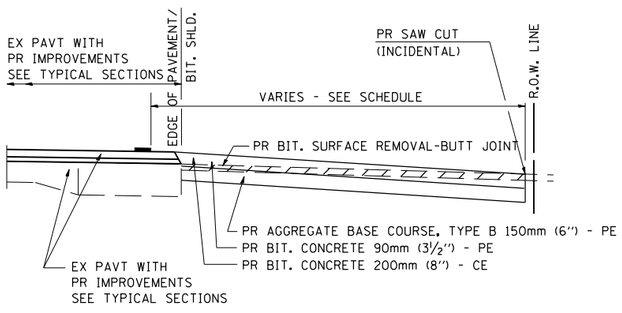
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	3B-1	PIKE	51	29
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



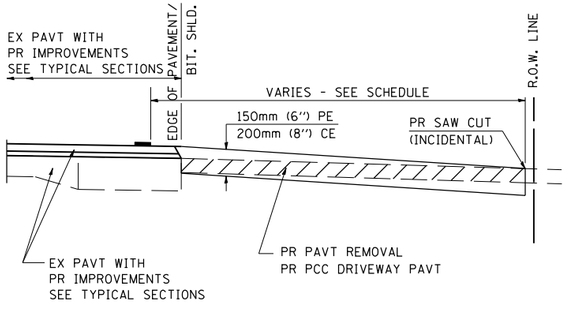
SECTION A-A FOR EX EARTH/AGGREGATE FE & PE



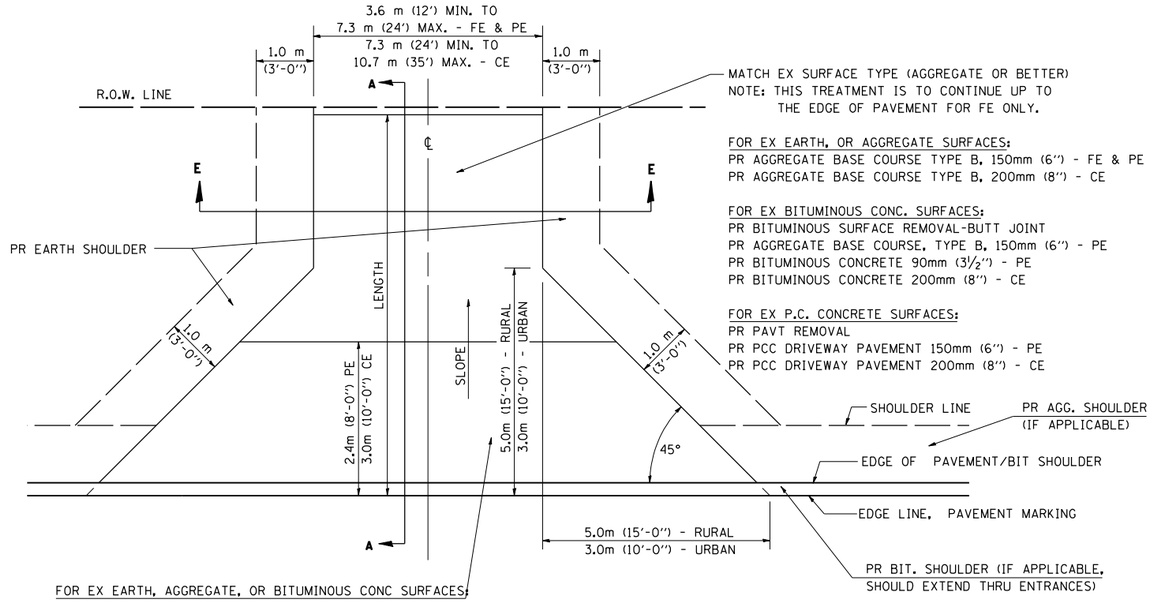
SECTION A-A FOR EX EARTH/AGGREGATE CE



SECTION A-A FOR EX BITUMINOUS PE & CE



SECTION A-A FOR EX P.C. CONC. PE & CE



MATCH EX SURFACE TYPE (AGGREGATE OR BETTER)
NOTE: THIS TREATMENT IS TO CONTINUE UP TO THE EDGE OF PAVEMENT FOR FE ONLY.

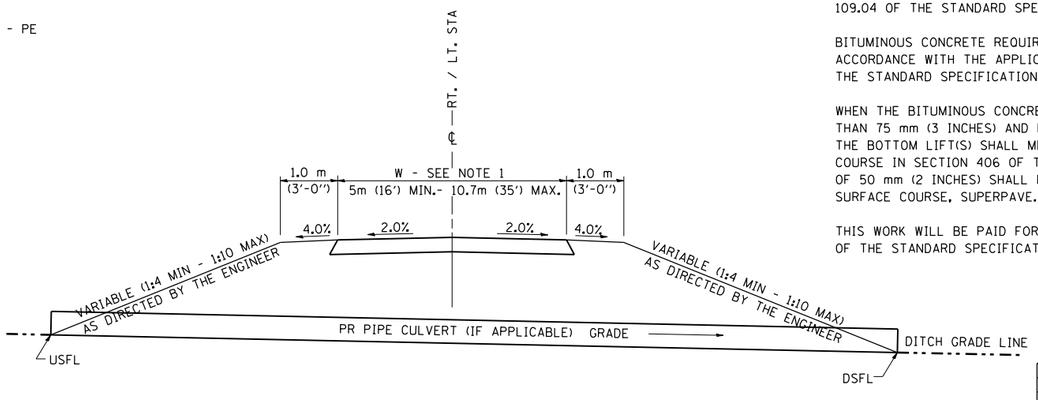
FOR EX EARTH, OR AGGREGATE SURFACES:
PR AGGREGATE BASE COURSE TYPE B, 150mm (6") - FE & PE
PR AGGREGATE BASE COURSE TYPE B, 200mm (8") - CE

FOR EX BITUMINOUS CONC. SURFACES:
PR BITUMINOUS SURFACE REMOVAL-BUTT JOINT
PR AGGREGATE BASE COURSE, TYPE B, 150mm (6") - PE
PR BITUMINOUS CONCRETE 90mm (3½") - PE
PR BITUMINOUS CONCRETE 200mm (8") - CE

FOR EX P.C. CONCRETE SURFACES:
PR PAVT REMOVAL
PR PCC DRIVEWAY PAVEMENT 150mm (6") - PE
PR PCC DRIVEWAY PAVEMENT 200mm (8") - CE

FOR EX EARTH, AGGREGATE, OR BITUMINOUS CONC SURFACES:
PR BIT SURFACE REMOVAL-BUTT JOINT (IF APPLICABLE)
PR AGGREGATE BASE COURSE TYPE B 150mm (6") - FE
PR AGGREGATE BASE COURSE TYPE B, 150mm (6") &
PR BITUMINOUS CONCRETE 90mm (3½") - PE
PR BITUMINOUS CONCRETE 200mm (8") - CE

FOR P.C. CONCRETE SURFACES:
PR PAVT REMOVAL
PR PCC DRIVEWAY PAVT 150mm (6") - PE
PR PCC DRIVEWAY PAVT 200mm (8") - CE



SECTION E - E ENTRANCE TYPICAL SECTION

NOTE 1: WIDTH OF ENTRANCE MAY BE INCREASED AT THE PIPE CULVERT DUE TO THE DITCHLINE BEING LOCATED IN THE ENTRANCE FLARE AREA.

GENERAL NOTES:

THE RESIDENT ENGINEER WILL DETERMINE THE EXACT TYPE OF IMPROVEMENT TO BE COMPLETED FOR ALL ENTRANCES, SIDEROADS AND MAILBOX TURNOUTS ON THIS PROJECT.

THE PLAN DETAILS AND SCHEDULES SHOULD BE USED AS A GUIDE FOR THE ENGINEER TO IMPLEMENT THE FINAL DESIGN. THE ENGINEER MAY DECIDE TO SALVAGE PORTIONS OF THE EXISTING ENTRANCE PAVEMENT STRUCTURE; THEREFORE, REDUCING PAY ITEM QUANTITIES. NO ADDITIONAL PAYMENT WILL BE ALLOWED FOR THIS REDUCTION IN QUANTITIES.

ANY WORK THE ENGINEER REQUIRES WHICH IS NOT COVERED BY A PAY ITEM CONTAINED IN THE PLANS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

BITUMINOUS CONCRETE REQUIRED TO CONSTRUCT THE ENTRANCES SHALL BE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 406 AND 408 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.

WHEN THE BITUMINOUS CONCRETE PROPOSED FOR THE IMPROVEMENT IS THICKER THAN 75 mm (3 INCHES) AND REQUIRE PLACEMENT IN MORE THAN ONE LIFT. THE BOTTOM LIFT(S) SHALL MEET THE REQUIREMENTS OF BITUMINOUS BASE COURSE IN SECTION 406 OF THE STANDARD SPECIFICATIONS AND THE TOP LIFT OF 50 mm (2 INCHES) SHALL MEET THE REQUIREMENTS OF BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE.

THIS WORK WILL BE PAID FOR IN ACCORDANCE WITH SECTIONS 351, 358, 408, 423 AND 440 OF THE STANDARD SPECIFICATIONS.

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.

REVISIONS	
NAME	DATE
JCN	2/19/03
JCN	4/01/04

ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT SIX
DETAILS FOR RURAL / URBAN ENTRANCE & MAILBOX TURNOUT W / O CONCRETE GUTTER (3R - PROJECTS)

SCALE: VERT.
HORIZ.
DATE: FEBRUARY 23, 1999
DRAWN BY CADD
CHECKED BY JCN

ENT 3R

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USER NAME = laughlin

CONTRACT NO. 72908

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	3B-1	PIKE	51	30
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

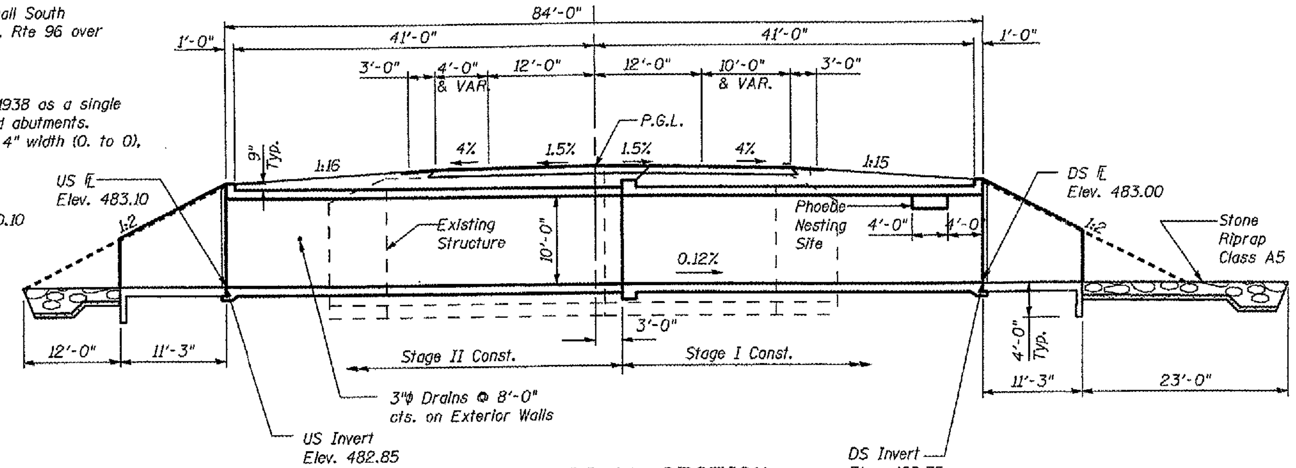
APPROVED
For Structural Adequacy Only
Ralph E. Anderson (TJD)
Engineer of Bridges & Structures

Benchmark:
BM#7WRM: Standard Tablet on top of Wingwall South East corner of Bridge No. 075-0043 on IL. Rte 96 over Jim Town Branch
Elev: 496.21

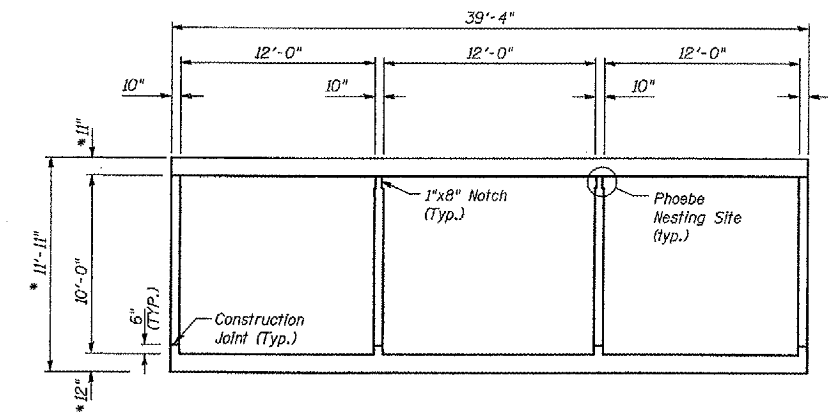
Existing Structure: S.N. 075-0043 built in 1938 as a single span concrete deck on T-Beams with closed abutments. 33'-0" long (Bk. to Bk. of Abutments), 39'-4" width (O. to O).

Traffic to be maintained using Stage Construction. One Lane is to remain open at all times.

No Salvage.



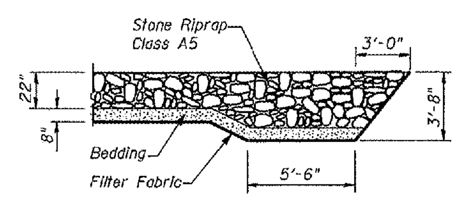
LONGITUDINAL SECTION
(Horizontal Dim. @ Rt L's FAP Route 304)



SECTION THRU BARREL
* Slab thickness may be refined in final design.

GENERAL NOTES

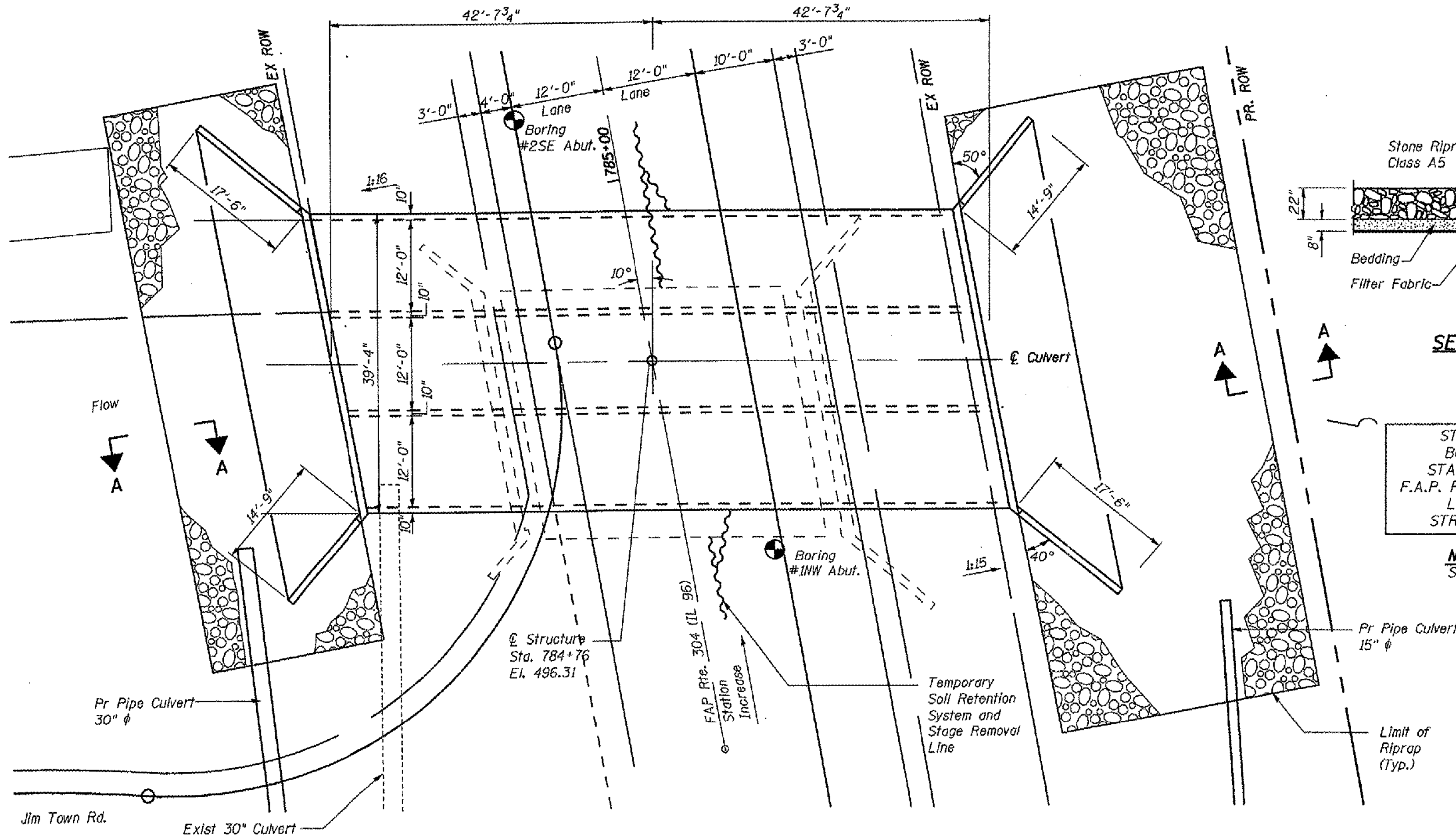
1. Precast Box Culvert alternate is not allowed.
2. Reinforcement Bars shall conform to the requirements of ASTM A706 GR 60 (IL Modified). See Special Provisions.
3. Excavation behind existing abutment walls shall be performed to balance front and back soil pressure before removing the existing Superstructure. The Contractor shall saw cut the upper portion of the existing abutment at the stage removal line before Stage I removal to ensure the remaining portion will not be prematurely damaged.



SECTION A-A

STATION 784+76
BUILT 20 BY
STATE OF ILLINOIS
F.A.P. RTE. 304 SEC. 3B-1
LOADING HS20
STR. NO. 075-2506

NAME PLATE
See Std. 515001



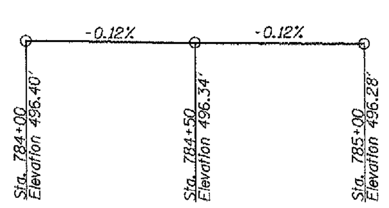
PLAN

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Stone Dumped Riprap, Class A5	Ton		329	329
Filter Fabric	Sq. Yd.		359	359
Removal of Existing Structures	Each		1	1
Bar Splicers	Each		179	179
Concrete Box Culverts	Cu. Yd.		419	419
Reinforcement Bars	Lb.		67480	67480
Reinforcement Bars, Epoxy Coated	Lb.		1430	1430
Name Plates	Each		1	1
Temporary Soil Retention System	Sq. Ft.		426	426
Rock Fill - Foundation	Ton		30	30
Granular Culvert Backfill	Cu. Yd.		930	930

DESIGN SCOUR ELEV. TABLE

Location	U.S.	D.S.
Elevation	478.85	478.75



PROFILE GRADE
(Along ℄ Roadway)

WATERWAY INFORMATION

Drainage Area = 1.67 mi^2 Low Grade Elev. 488.75 ft. @ Sta. 789+50

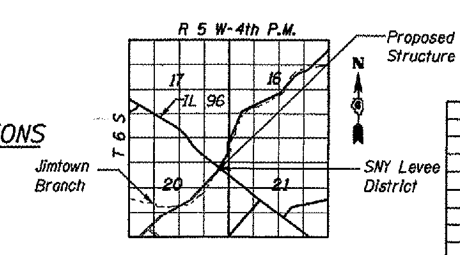
Flood	Freq. Yr.	Q cfs	Opening Sq. Ft.		Nat. H.W.E.	Head - ft.		Headwater Elev. - ft.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
	10	1316	119.5	200.2	488.58	0.64	0.05	489.22	488.63
Overtopping	15	1474	129.1	211.7	488.90	0.78	0.06	489.68	488.96
Design	50	2168	165.1	254.9	490.10	1.19	0.00	491.29	490.10
Base	100	2548	182.2	275.4	490.67	0.76	0.03	491.43	490.70
Max. Calc.	500	3489	232.9	336.2	492.36	1.34	0.87	493.70	493.23

LOADING HS 20-44
Allow 50 Lb/Sq. Ft. for future wearing surface.

DESIGN SPECIFICATIONS
AASHTO 2002

DESIGN STRESSES
FIELD UNITS

f'_c = 3,500 psi
f_y = 60,000 psi (Reinf.)



LOCATION SKETCH

MARTIN J. SILVESTER
081-004873
LICENSED STRUCTURAL ENGINEER OF
CHICAGO, ILLINOIS
8-24-07
MARTIN J. SILVESTER
STRUCTURAL ENGINEER
LICENSE EXP. DATE 11-30-08

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
GENERAL PLAN
IL 96 OVER JIMTOWN BRANCH
FAP 304 SECTION 3B-1
STA. 784+76
PIKE COUNTY STR. 075-2506

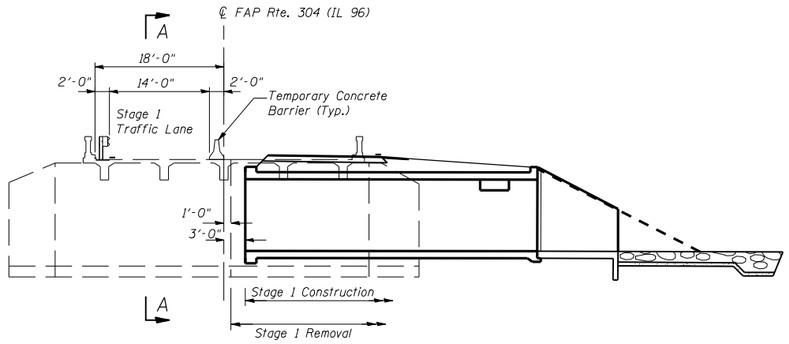
SCALE: N.T.S. DRAWN BY LP
DATE: AUG 2007 CHECKED BY MJS

The Upchurch Group
HILLSIDE, IL. (708) 449-2321
MATTOON, IL. (217) 235-3177

CONTRACT NO. 72908

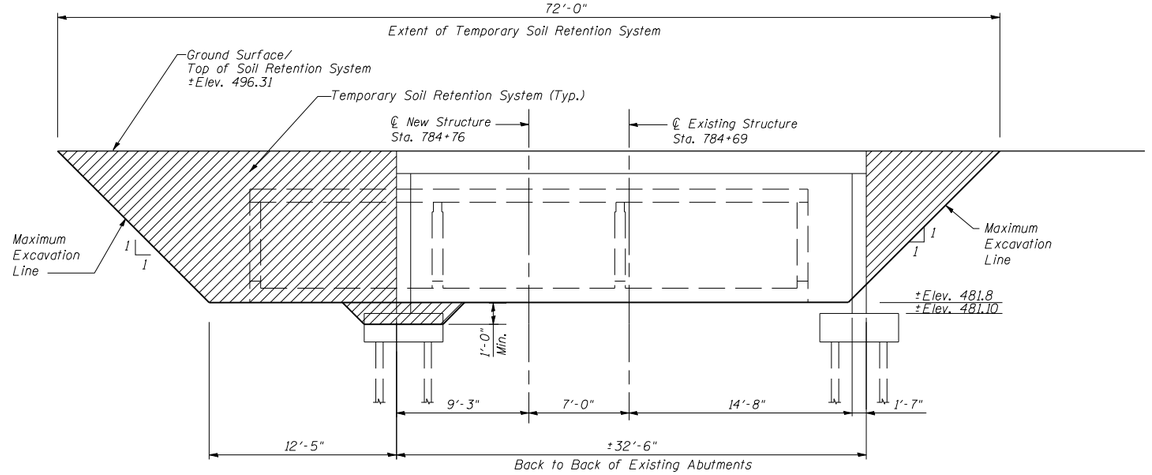
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	3B-1	PIKE	51	31
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

Sheet 2 of 8 Sheets



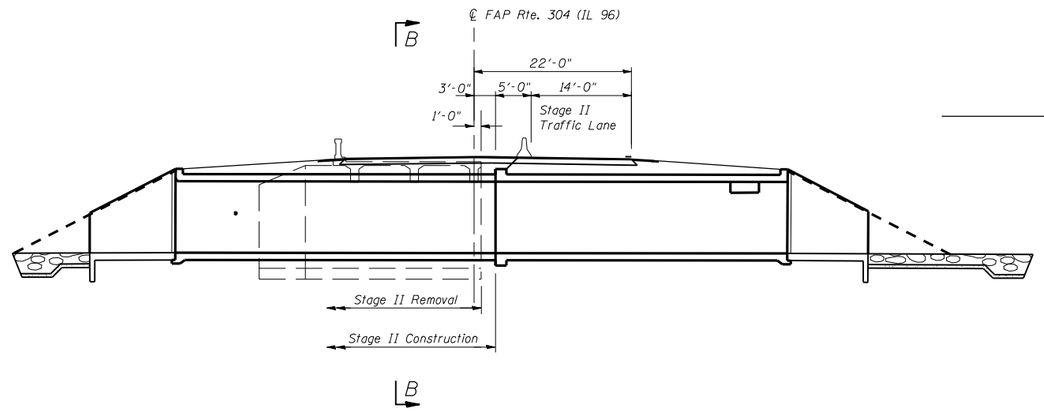
STAGE 1 CONSTRUCTION

(Horiz. Dim. @ Rt. L's to ℄ Culvert)



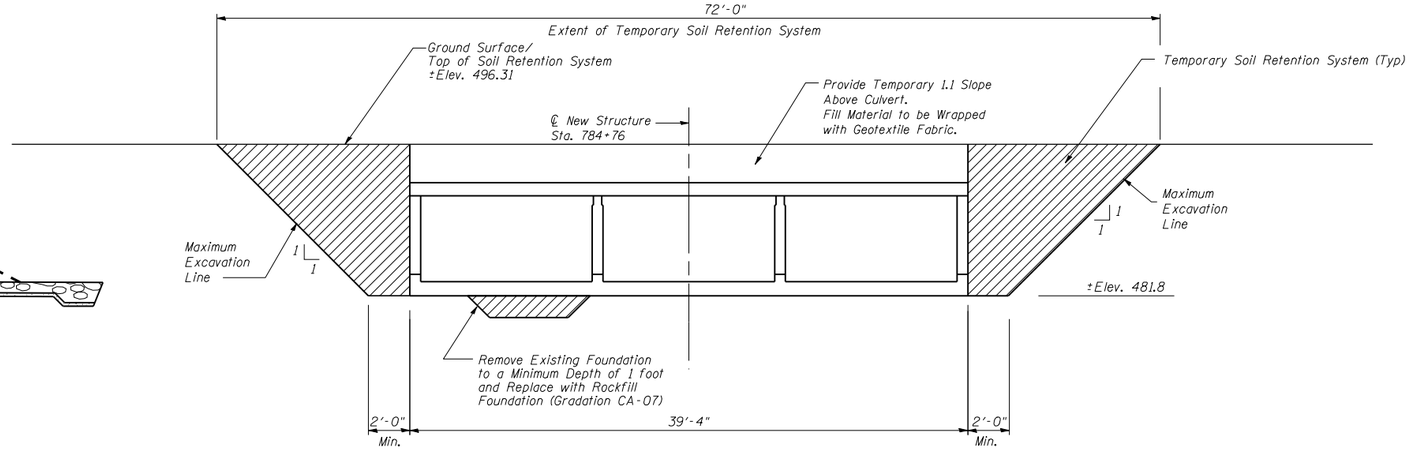
SECTION A-A

(Horiz. Dim. @ Rt. L's to ℄ Culvert)
Looking Upstream



STAGE II CONSTRUCTION

(Horiz. Dim. @ Rt. L's to ℄ Culvert)



SECTION B-B

(Horiz. Dim. @ Rt. L's to ℄ Culvert)
Looking Upstream

Item	Unit	Qty
Temporary Soil Retention System	Sq. Ft.	426

Note:

A Cantilevered Sheet Piling design does not appear feasible and additional members or other retention systems may be necessary. The contractor shall submit a temporary soil retention system design including plan details and calculations for review and acceptance by the Engineer.

The Upchurch Group
HILLSIDE, IL. (708) 449-2321
MATTOON, IL. (217) 235-3177

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
CONSTRUCTION STAGING
IL 96 OVER JIMTOWN BRANCH
FAP 304 SECTION 3B-1
STA. 784+76
PIKE COUNTY STR. 075-2506

SCALE: N.T.S. DRAWN BY LP
DATE: $DATE CHECKED BY MJS

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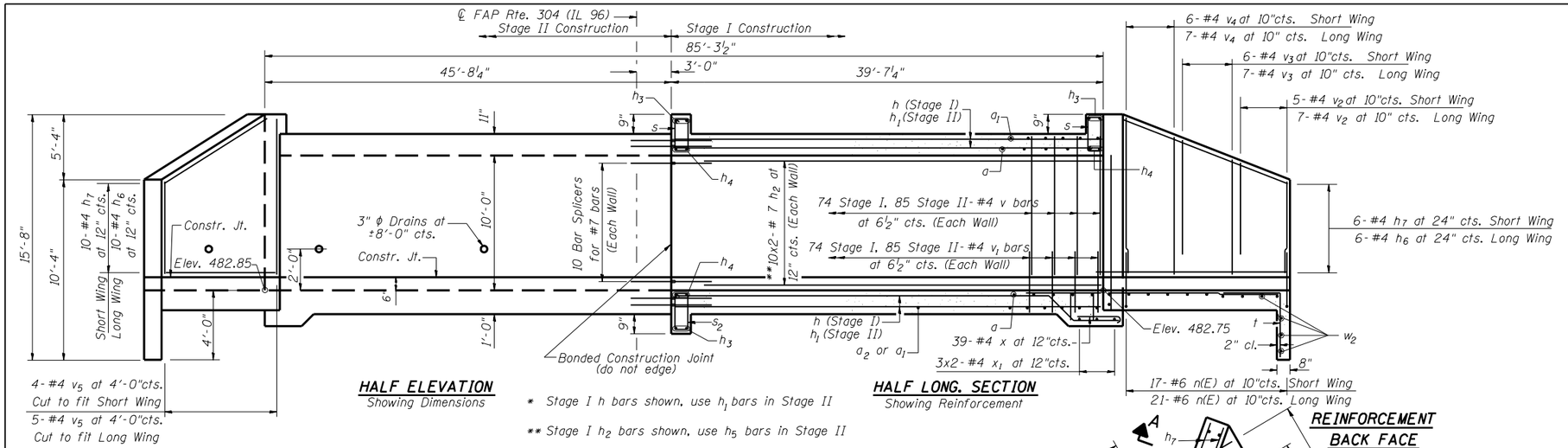
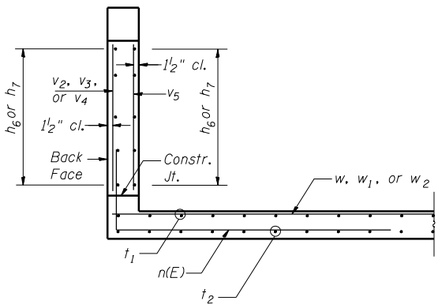
CONTRACT NO. 72908

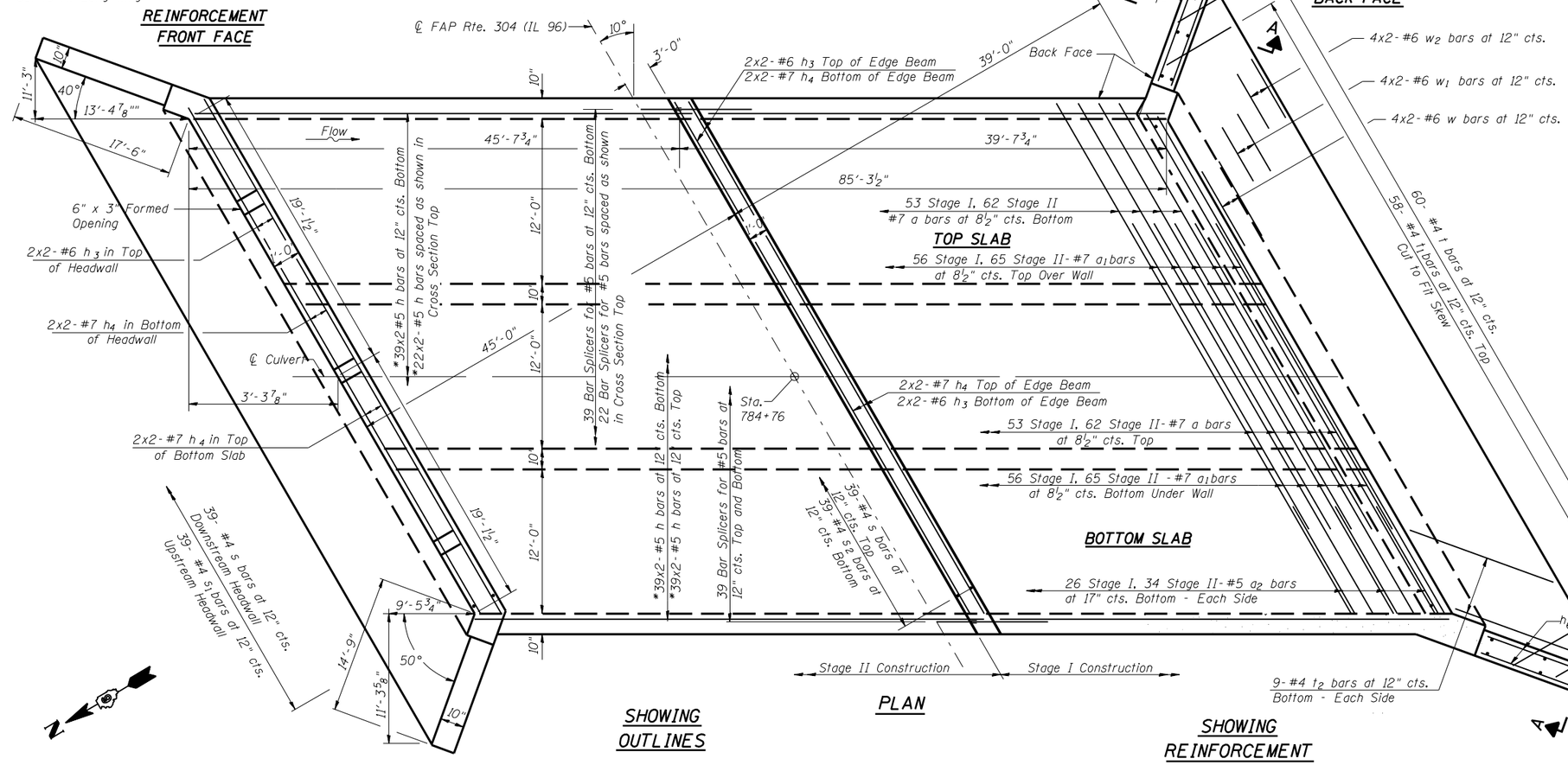
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	3B-1	PIKE	51	32
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

Sheet 3 of 8 Sheets





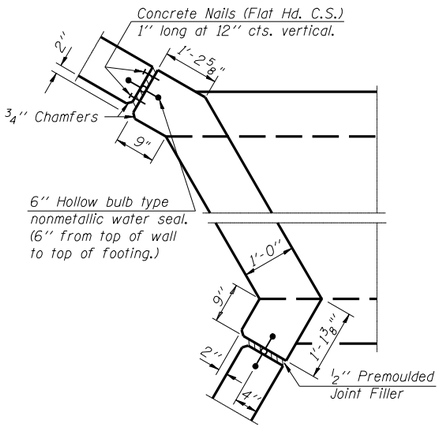
SECTION A-A



SHOWING OUTLINES

PLAN

SHOWING REINFORCEMENT



CORNER DETAIL

BAR	MIN. LAP SPLICE LENGTH (mm)
#4	1'-8"
#5	2'-2"
#6	2'-7"
#7	3'-5"

NOTES:

1. Bars indicated thus 10x2 #7 etc. indicates 10 per lines of bars with 2 lengths per line.

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
CULVERT PLAN & ELEVATION
IL 96 OVER JIMTOWN BRANCH
FAP 304 SECTION 3B-1
STA. 784+76
PIKE COUNTY STR. 075-2506

SCALE: N.T.S. DRAWN BY RMH
DATE: $DATE CHECKED BY MJS

The Upchurch Group
HILLSIDE, IL. (708) 449-2321
MATTOON, IL. (217) 235-3177

PLOT DATE = Aug-31-2007 11:49:50AM
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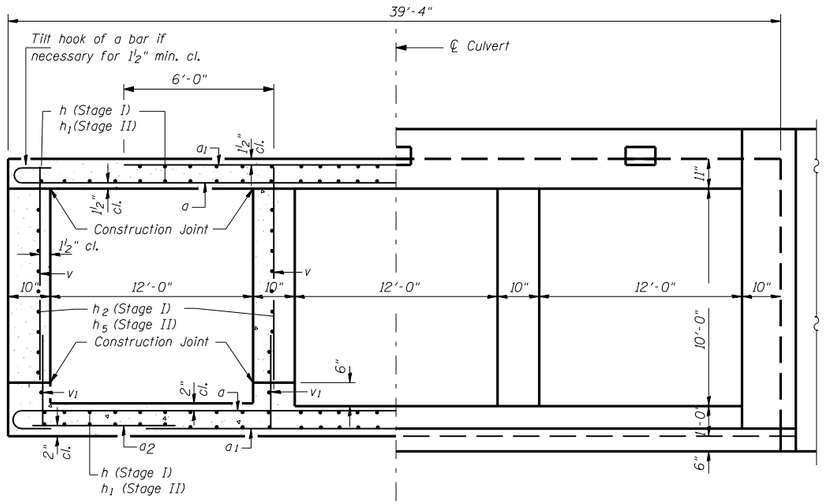
USER NAME = langhorr

CONTRACT NO. 72908

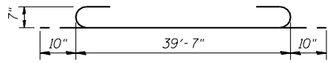
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	3B-1	PIKE	51	33
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

Sheet 4 of 8 Sheets



HALF SECTION THRU BARREL

HALF END ELEVATION



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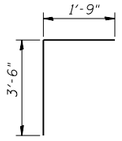
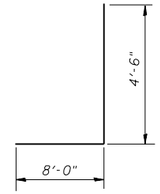


BAR t



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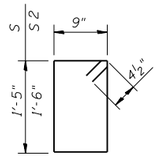
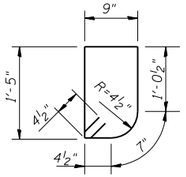
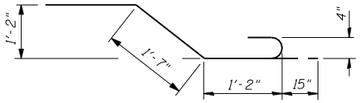


BAR s & s2



BAR s1

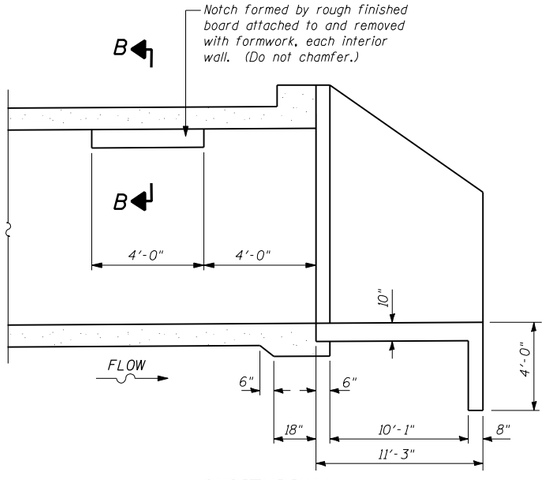


BAR x

BILL OF MATERIAL

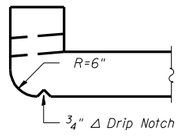
Bar	No.	Size	Length (ft)	Shape
a	230	#7	41'-3"	
a1	242	#7	25'-3"	
a2	120	#5	9'-3"	
h	278	#5	20'-9"	
h1	278	#5	23'-9"	
h2	80	#7	21'-5"	
h3	16	#6	21'-1"	
h4	24	#7	21'-6"	
h5	80	#7	24'-5"	
h6	32	#4	16'-6"	
h7	32	#4	13'-9"	
n(E)	76	#6	12'-6"	
s	78	#4	5'-1"	
s1	39	#4	4'-11"	
s2	39	#4	5'-3"	
t	120	#4	12'-6"	
t1	116	#4	10'-11"	
t2	36	#4	14'-6"	
v	636	#4	10'-3"	
v1	636	#4	2'-9"	
v2	24	#4	5'-9"	
v3	26	#4	7'-6"	
v4	26	#4	9'-3"	
v5	18	#4	11'-0"	
x	78	#4	5'-9"	
x1	12	#4	20'-6"	
w	16	#6	24'-3"	
w1	16	#6	27'-9"	
w2	28	#6	32'-0"	

Item	Unit	Qty.
Concrete Box Culverts	Yd³	419
Reinforcement Bars	lbs	67480
Reinforcement Bars, Epoxy Coated	lbs	1430



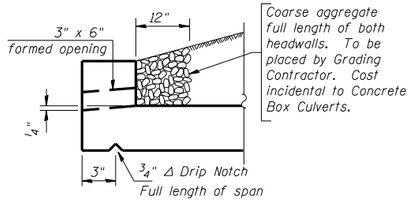
LONGITUDINAL SECTION

(Horizontal Dimension @ RT ℄'s to FAP Route 304)

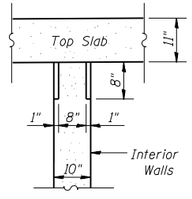


SECTION THRU HEADWALL

At Upstream End Only



DRAIN DETAIL



SECTION B-B PHOEBE NESTING SITE DETAILS

(Downstream End Only)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

CULVERT DETAILS
IL 96 OVER JIMTOWN BRANCH
FAP 304 SECTION 3B-1
STA. 784+76
PIKE COUNTY STR. 075-2506

SCALE: NTS DRAWN BY LP

DATE: $DATE CHECKED BY MJS

The Upchurch Group
HILLSIDE, IL. (708) 449-2321
MATTOON, IL. (217) 235-3177

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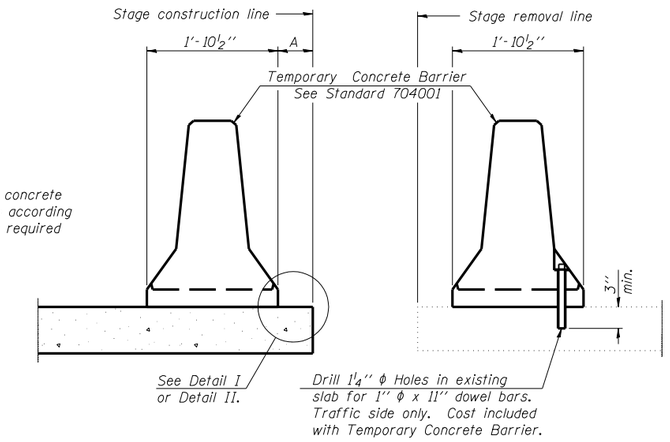
USER NAME = laughlinr

CONTRACT NO. 72908

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	3B-1	PIKE	51	34
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

When "A" is 3'-6" or less, the temporary concrete barrier shall be anchored to the new slab according to Detail I or Detail II. No anchorage is required when "A" is greater than 3'-6".



NEW SLAB EXISTING SLAB

SECTIONS THRU SLAB

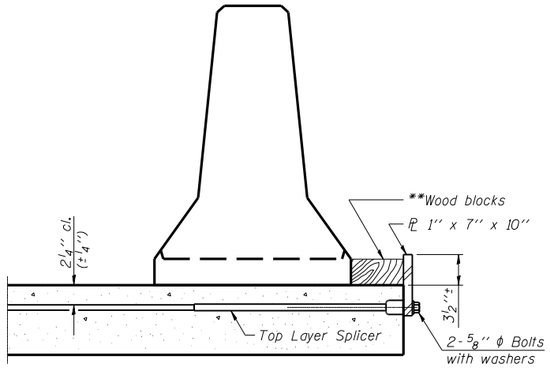
NOTES

Detail I - With Bar Splicer or Couplers:
Connect one (1) 1"x7"x10" steel ℄ to the top layer of couplers with 2-⅝" ϕ bolts screwed to coupler at approximate ℄ of each barrier panel.

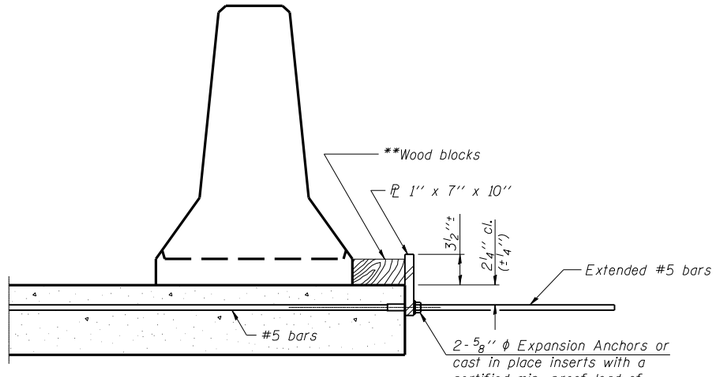
Detail II - With Extended Reinforcement Bars:
Connect one (1) 1"x7"x10" steel ℄ to the concrete slab with 2-⅝" ϕ Expansion Anchors or cast in place inserts spaced between the top layer of reinforcement at approximate ℄ of each barrier panel.

Cost of anchorage is included with Temporary Concrete Barrier.

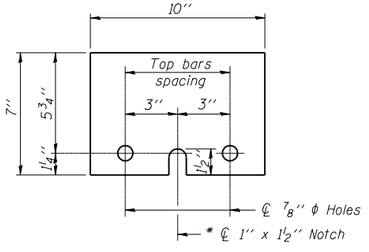
The 1" x 7" x 10" plate shall not be removed until stage II construction forms and all reinforcement bars are in place and the concrete is ready to be placed.



DETAIL I



DETAIL II



STEEL RETAINER ℄ 1" x 7" x 10"

* Required only with Detail II

** Wood blocks may be omitted when required to provide minimum stage traffic lane width. When the wood blocks are omitted, the concrete barrier shall be in direct contact with the steel retainer plate.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TEMPORARY CONCRETE BARRIER
IL 96 OVER JIMTOWN BRANCH
FAP 304 SECTION 3B-1
STA. 784+76
PIKE COUNTY STR. 075-2506

SCALE: NTS DRAWN BY GEW
DATE: $DATE CHECKED BY MJS

The Upchurch Group
HILLSIDE, IL. (708) 449-2321
MATTOON, IL. (217) 235-3177

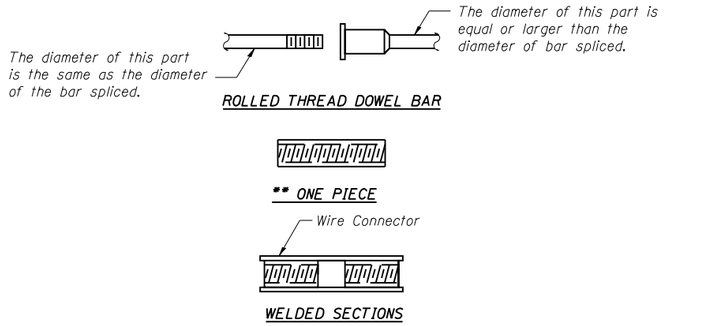
R-27

11-1-06

CONTRACT NO. 72908

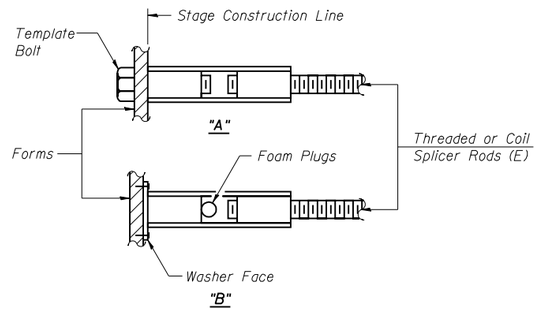
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	3B-1	PIKE	51	35
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

Sheet 6 of 8 Sheets



BAR SPLICER ASSEMBLY ALTERNATIVES

** Heavy Hex Nuts conforming to ASTM A 563, Grade C, D or DH may be used.



INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.
"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
(E) : Indicates epoxy coating.

NOTES

Bar splicer assemblies shall be of an approved type and shall develop in tension at least 125 percent of the yield strength of the lapped reinforcement bars.

Splicer rods shall be of minimum 60 ksi yield strength, threaded or coiled full length.

All reinforcement bars shall be lapped and tied to the splicer rods or dowel bars.

Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars.

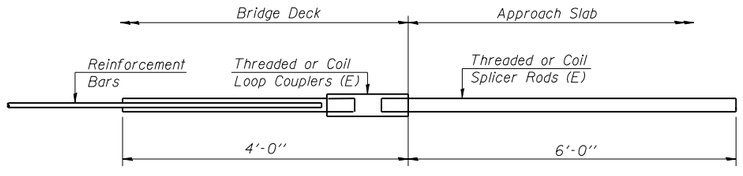
Other systems of similar design may be submitted to the Engineer for approval. Approval shall be based on certified test results from an approved testing laboratory that the proposed bar splicer assembly satisfies the following requirements:

① Minimum Capacity (Tension in kips) = 1.25 x fy x A_t

② Minimum *Pull-out Strength (Tension in kips) = 0.66 x fy x A_t

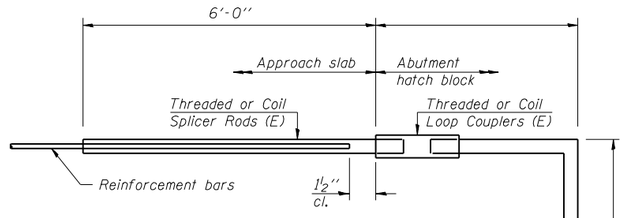
Where fy = Yield strength of lapped reinforcement bars in ksi.
A_t = Tensile stress area of lapped reinforcement bars.
* = 28 day concrete

BAR SPLICER ASSEMBLIES			
Bar Size to be Spliced	Splicer Rod or Dowel Bar Length	Strength Requirements	
		Min. Capacity kips - tension	Min. Pull-Out Strength kips - tension
#4	1'-8"	14.7	7.9
#5	2'-0"	23.0	12.3
#6	2'-7"	33.1	17.4
#7	3'-5"	45.1	23.8
#8	4'-6"	58.9	31.3
#9	5'-9"	75.0	39.6
#10	7'-3"	95.0	50.3
#11	9'-0"	117.4	61.8



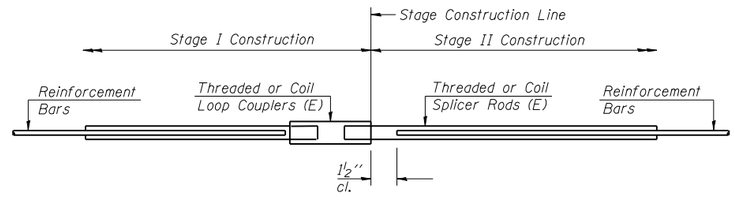
FOR INTEGRAL OR SEMI-INTEGRAL ABUTMENTS

Bar Splicer for #5 bar
Min. Capacity = 23.0 kips - tension
Min. Pull-out Strength = 12.3 kips - tension
No. Required =



FOR STUB ABUTMENTS

Bar Splicer for #5 bar
Min. Capacity = 23.0 kips - tension
Min. Pull-out Strength = 12.3 kips - tension
No. Required =



STANDARD

Bar Size	No. Assemblies Required	Location
#5	61	Top Slab
#5	78	Bottom Slab
#7	40	Walls

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USER NAME = laughlinl

The Upchurch Group
HILLSIDE, IL. (708) 449-2321
MATTOON, IL. (217) 235-3177

BSD-1 11-1-06

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
BAR SPLICER
IL 96 OVER JIMTOWN BRANCH
FAP 304 SECTION 3B-1
STA. 784+76
PIKE COUNTY STR. 075-2506

SCALE: DRAWN BY
DATE: $DATE CHECKED BY MJS

Illinois Department of Transportation
Division of Highways
IDOT District 6

SOIL BORING LOG

Page 1 of 2

Date 91605

ROUTE FAP 304 (IL/96) DESCRIPTION over Jimtown Branch LOGGED BY M. Tappan

SECTION 3B-1 LOCATION NE 1/4, SEC. 20, TWP. 6 S, RNG. 5 W, 4 PM

COUNTY Pike DRILLING METHOD HSA HAMMER TYPE 140 # Auto

STRUCT. NO. 075-0043 Ex / 075-2506 Pr
Station 784+75.41

BORING NO. 2 SE Abut
Station 785+17
Offset 12.0ft Lt
Ground Surface Elev. 495.9 ft

Surface Water Elev. 483.6 ft
Stream Bed Elev. 483.6 ft

Groundwater Elev.:
▽ First Encounter 461.4 ft
▽ Upon Completion Washed ft
▼ After ___ Hrs. Plugged ft

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Greyish Brown Moist SILTY CLAY LOAM (Fill)		0		
		1 2	0.7 B	21
492.40 Grey and Brown Moist CLAY LOAM (Fill)		1		
	-5	2 2	1.1 B	17
		1		
		1 1	0.7 B	16
		1		
	-10	1 2	0.6 B	21
484.90 Gray and Brown Moist Clay LOAM w/Angular Cherty Limestone Clasts (Colluvium)		1		
		3 2	0.1 B	17
		0		
Poor Recovery, Sample Broken	-15	1 1		12
479.90 Light Brown Moist SILTY CLAY LOAM		0		
		1 2	0.5 B	24
477.40 Brown Moist Coarse Grained Cherty Limestone GRAVELw/ Clay Seams (Colluvium)		1		
	-20	5		11

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown Moist Coarse Grained Cherty Limestone GRAVELw/ Clay Seams (Colluvium) (continued)		7 2		
w/Lt. Brown and Grey V. Moist Silty Clay Loam Seam		8 5		27
		1		
w/Clay Seams	-25	7 2		11
468.40 Gray V. Moist SILT LOAM w/1" Brown Medium Grained Sand Seam		0		
	-30	0 1	0.1 B	25
		0		
▽ Brown and Gray V. Moist SILT LOAM Free Water	-35	1 1	0.4 B	27
		0		
	-40	1	0.4	28

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer, E–Estimated)
Abbreviations W.O.H – Sampler Advanced By Weight of Hammer, W.O.P – Advanced by Weight of Pipe, B.S. – Before Seating
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 8-99)

File Name S:\SOILS\GINT FILES\PIKE -2506 IL0796 JIMTOWNBRANCH.GPJ DataTemplate D6TEMPLT.GDT Date Printed 8/2/06
Latitude 39 Deg 31.721 N Longitude 90 Deg 59.686 W Datum NAD83 Job Number D96-537-04

Illinois Department of Transportation
Division of Highways
IDOT District 6

SOIL BORING LOG

Page 2 of 2

Date 91605

ROUTE FAP 304 (IL/96) DESCRIPTION over Jimtown Branch LOGGED BY M. Tappan

SECTION 3B-1 LOCATION NE 1/4, SEC. 20, TWP. 6 S, RNG. 5 W, 4 PM

COUNTY Pike DRILLING METHOD HSA HAMMER TYPE 140 # Auto

STRUCT. NO. 075-0043 Ex / 075-2506 Pr
Station 784+75.41

BORING NO. 2 SE Abut
Station 785+17
Offset 12.0ft Lt
Ground Surface Elev. 495.9 ft

Surface Water Elev. 483.6 ft
Stream Bed Elev. 483.6 ft

Groundwater Elev.:
▽ First Encounter 461.4 ft
▽ Upon Completion Washed ft
▼ After ___ Hrs. Plugged ft

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Gray V. Moist SILT LOAM w/1" Brown Medium Grained Sand Seam (continued)		1	B	
451.90 Brown Midium to Coarse Grained SAND w/Coarse Angular Cherty Limestone GRAVEL	-45	0 1 1		
449.40 Blue Grey Moist Well Indurated Clayey SHALE Washed		21		
	-50	50 50 /3"		12
		12		
Grey Dry Well Indurated Clayey SHALE 440.40	-55	37 63 /5"		11
Boring Completed Refer STA to P.T. Painted on Road 784+20. STA Increase to Southeast Refer Elevation to US Geologic Survey Disk on S.W. Headwall= 496.2"	-60			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer, E–Estimated)
Abbreviations W.O.H – Sampler Advanced By Weight of Hammer, W.O.P – Advanced by Weight of Pipe, B.S. – Before Seating
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 8-99)

File Name S:\SOILS\GINT FILES\PIKE -2506 IL0796 JIMTOWNBRANCH.GPJ DataTemplate D6TEMPLT.GDT Date Printed 8/2/06
Latitude 39 Deg 31.721 N Longitude 90 Deg 59.686 W Datum NAD83 Job Number D96-537-04

The Upchurch Group
HILLSIDE, IL. (708) 449-2321
MATTOON, IL. (217) 235-3177

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SOIL BORINGS
IL 96 OVER JIMTOWN BRANCH
FAP 304 SECTION 3B-1
STA. 784+76
PIKE COUNTY STR. 075-2506

SCALE: DRAWN BY GEW
DATE: $DATE CHECKED BY MJS

CONTRACT NO. 72908

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	3B-1	PIKE	51	37
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

Sheet 8 of 8 Sheets

Illinois Department of Transportation
Division of Highways
IDOT District 6

SOIL BORING LOG

Page 1 of 2

Date 91605

ROUTE FAP 304 (IL/96) DESCRIPTION over Jimtown Branch LOGGED BY M. Tappan

SECTION 3B-1 LOCATION NE 1/4, SEC. 20, TWP. 6 S, RNG. 5 W, 4 PM

COUNTY Pike DRILLING METHOD HSA HAMMER TYPE 140 # Auto

STRUCT. NO. 075-0043 Ex / 075-2506 Pr
Station 784+75.41

BORING NO. 1 NW Abut
Station 784+37
Offset 11.0ft Rt
Ground Surface Elev. 495.9 ft

Surface Water Elev. 483.6 ft
Stream Bed Elev. 483.6 ft

Groundwater Elev.:
▽ First Encounter 451.4 ft
▽ Upon Completion Washed ft
▼ After ____ Hrs. Plugged ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Gray Moist LOAM to Clay LOAM (Fill)			1		
			2	0.6	18
			2	S-11	
			1		
		-5	3	1.1	17
			7	S-9	
			1		
No Recovery, Rock in Sampler			4		
			3		
			1		
No Recovery, Rock in Sampler		-10	2		
	484.90		2		
Brown Moist Coarse Grained Cherty Limestone GRAVEL w/ Clay Seams			1		
			3		10
	482.90		3		
Brown Moist CLAY LOAM			1		
		-15	2	0.9	18
	479.90		3	B	
Brown Dirty Fine to Medium Grained SAND			1		
	478.40		2		
Brown Moist Coarse Grained Cherty Limestone GRAVEL			3		
			1		
		-20	3		
Brown Moist Coarse Grained Cherty Limestone GRAVEL (continued)			4		
			1		
w/Greyish Brown V. Moist Silty Clay Loam Seam			3	0.3	27
			1	B	
			0		
		-25	7		
	467.90		8		
Light Brown and Grey Wet SILT			0		
		-30	0	0.0	30
	463.90		1	SLUMP	
Light Brown and Grey V. Moist LOAM			0		
		-35	0	0.2	25
	458.40		1	B	
Grey Moist SILTY CLAY LOAM			0		
		-40	1	0.6	24

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
Abbreviations W.O.H – Sampler Advanced By Weight of Hammer, W.O.P – Advanced by Weight of Pipe, B.S. – Before Seating
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 8-99)

File Name S:\SOILS\GINT FILES\PIKE -2506 IL0796 JIMTOWNBRANCH.GPJ DataTemplate D6TEMPLT.GDT Date Printed 8/2/06
Latitude 39 Deg 31.763 N Longitude 90 Deg 59.683 W Datum NAD83 Job Number D96-537-04

Illinois Department of Transportation
Division of Highways
IDOT District 6

SOIL BORING LOG

Page 2 of 2

Date 91605

ROUTE FAP 304 (IL/96) DESCRIPTION over Jimtown Branch LOGGED BY M. Tappan

SECTION 3B-1 LOCATION NE 1/4, SEC. 20, TWP. 6 S, RNG. 5 W, 4 PM

COUNTY Pike DRILLING METHOD HSA HAMMER TYPE 140 # Auto

STRUCT. NO. 075-0043 Ex / 075-2506 Pr
Station 784+75.41

BORING NO. 1 NW Abut
Station 784+37
Offset 11.0ft Lt
Ground Surface Elev. 495.9 ft

Surface Water Elev. 483.6 ft
Stream Bed Elev. 483.6 ft

Groundwater Elev.:
▽ First Encounter 451.4 ft
▽ Upon Completion Washed ft
▼ After ____ Hrs. Plugged ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Grey Moist SILTY CLAY LOAM (continued)	454.90		2	B	
Brown Midium to Coarse Grained Cherty Limestone GRAVEL Free Water ▽			0		
	450.90	-45	6		12
Light Blue Grey Moist Well Indurated Clayey SHALE			37		
			17		
		-50	63		11
			37		
			/3"		
			6		
Grey Dry Moderately to Well Indurated Clayey SHALE	440.40	-55	39		11
			61		
Boring Completed			/5"		
		-60			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
Abbreviations W.O.H – Sampler Advanced By Weight of Hammer, W.O.P – Advanced by Weight of Pipe, B.S. – Before Seating
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 8-99)

File Name S:\SOILS\GINT FILES\PIKE -2506 IL0796 JIMTOWNBRANCH.GPJ DataTemplate D6TEMPLT.GDT Date Printed 8/2/06
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USER NAME = laughlin-l

The Upchurch Group
HILLSIDE, IL. (708) 449-2321
MATTOON, IL. (217) 235-3177

REVISIONS NAME	DATE

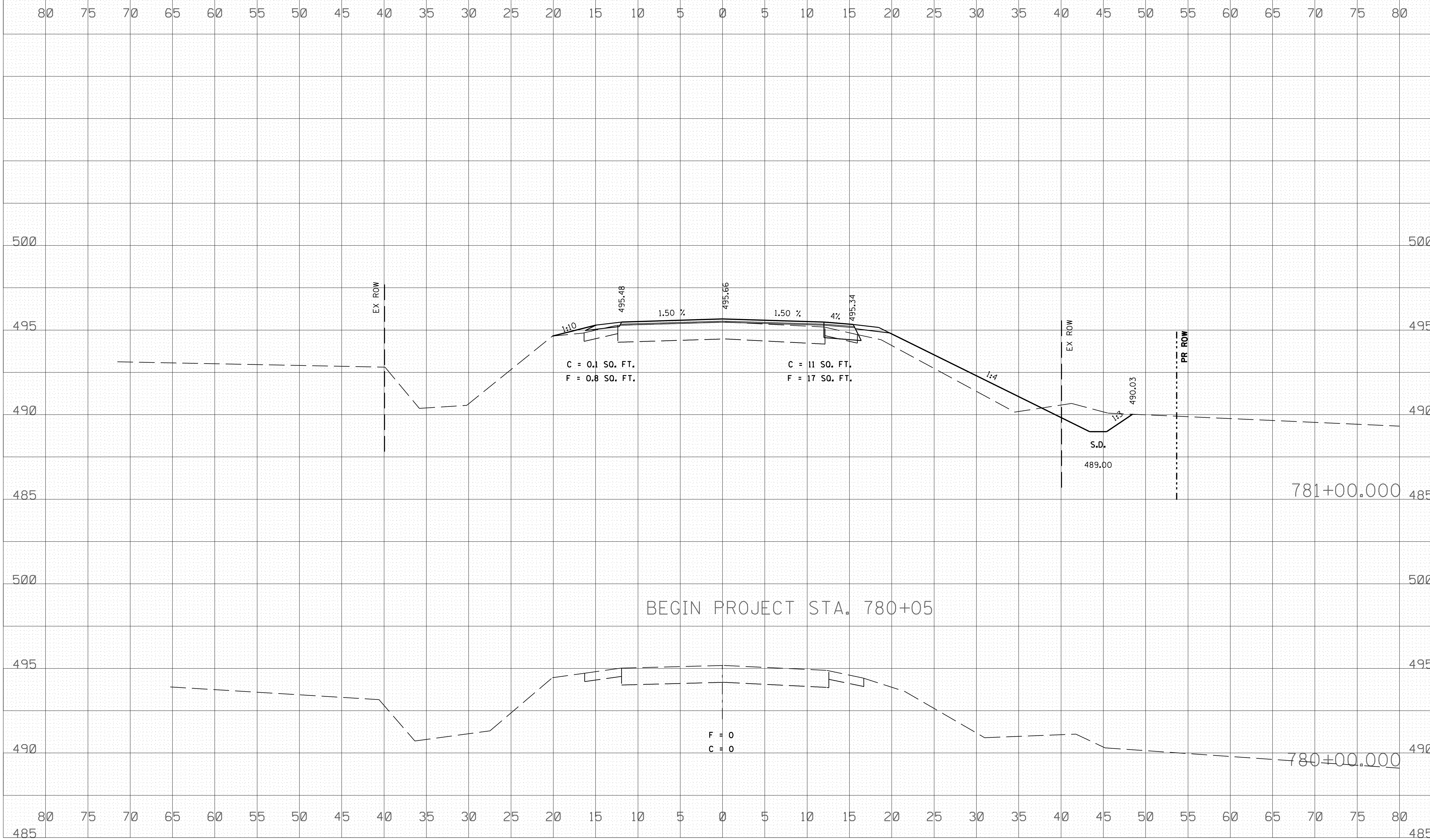
ILLINOIS DEPARTMENT OF TRANSPORTATION

SOIL BORINGS
IL 96 OVER JIMTOWN BRANCH
FAP 304 SECTION 3B-1
STA. 784+76
PIKE COUNTY STR. 075-2506

SCALE: DRAWN BY GEW
DATE: $DATE CHECKED BY MJS

CONTRACT NO. 72908

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	3(B-1)	PIKE	51	38
STA. 780+00.000	TO STA. 781+00.000			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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

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

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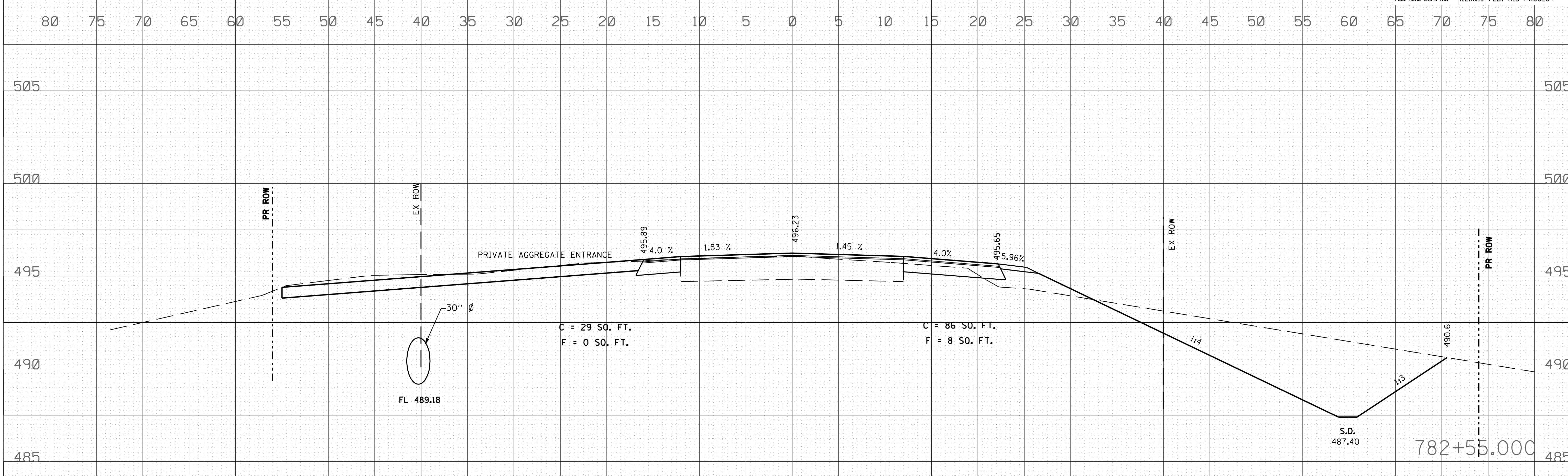
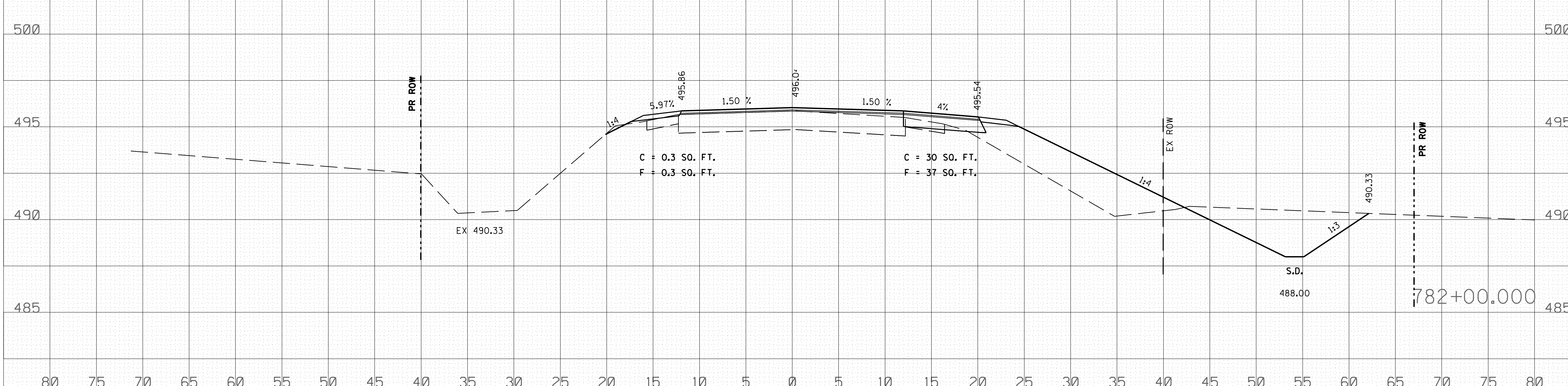
CONTRACT NO. 72908

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	3(B-1)	PIKE	51	39
STA. 782+00.000 TO STA. 782+59.688				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		





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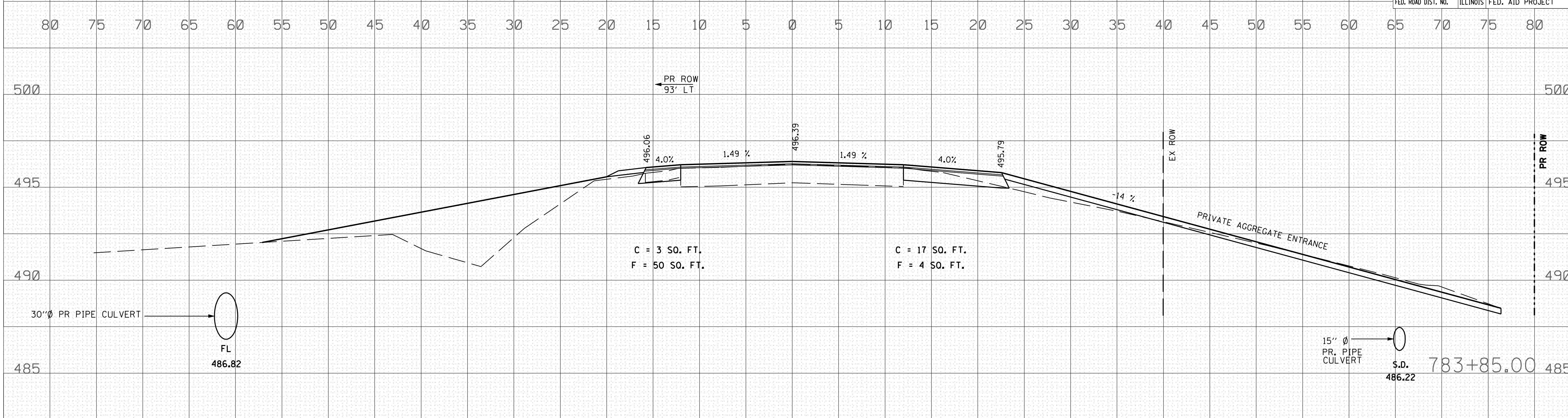
USER NAME = laughlinrl

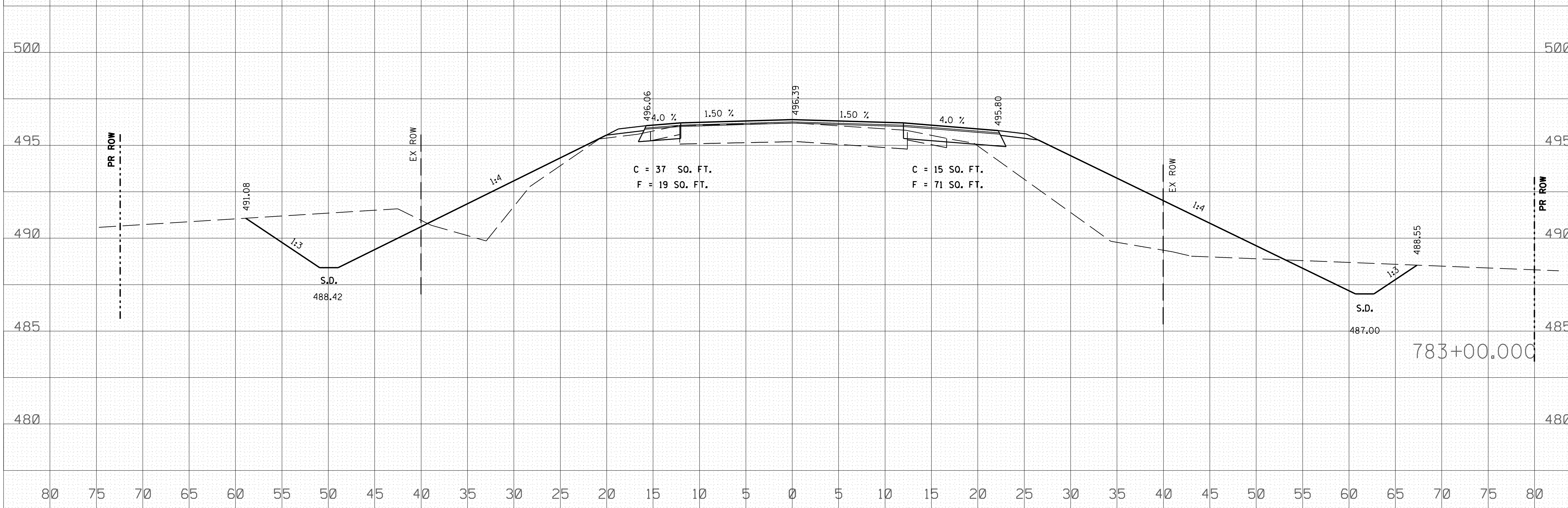
CONTRACT NO. 72908

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	3(B-1)	PIKE	51	40

STA. 783+00.000 TO STA. 783+78.098

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT





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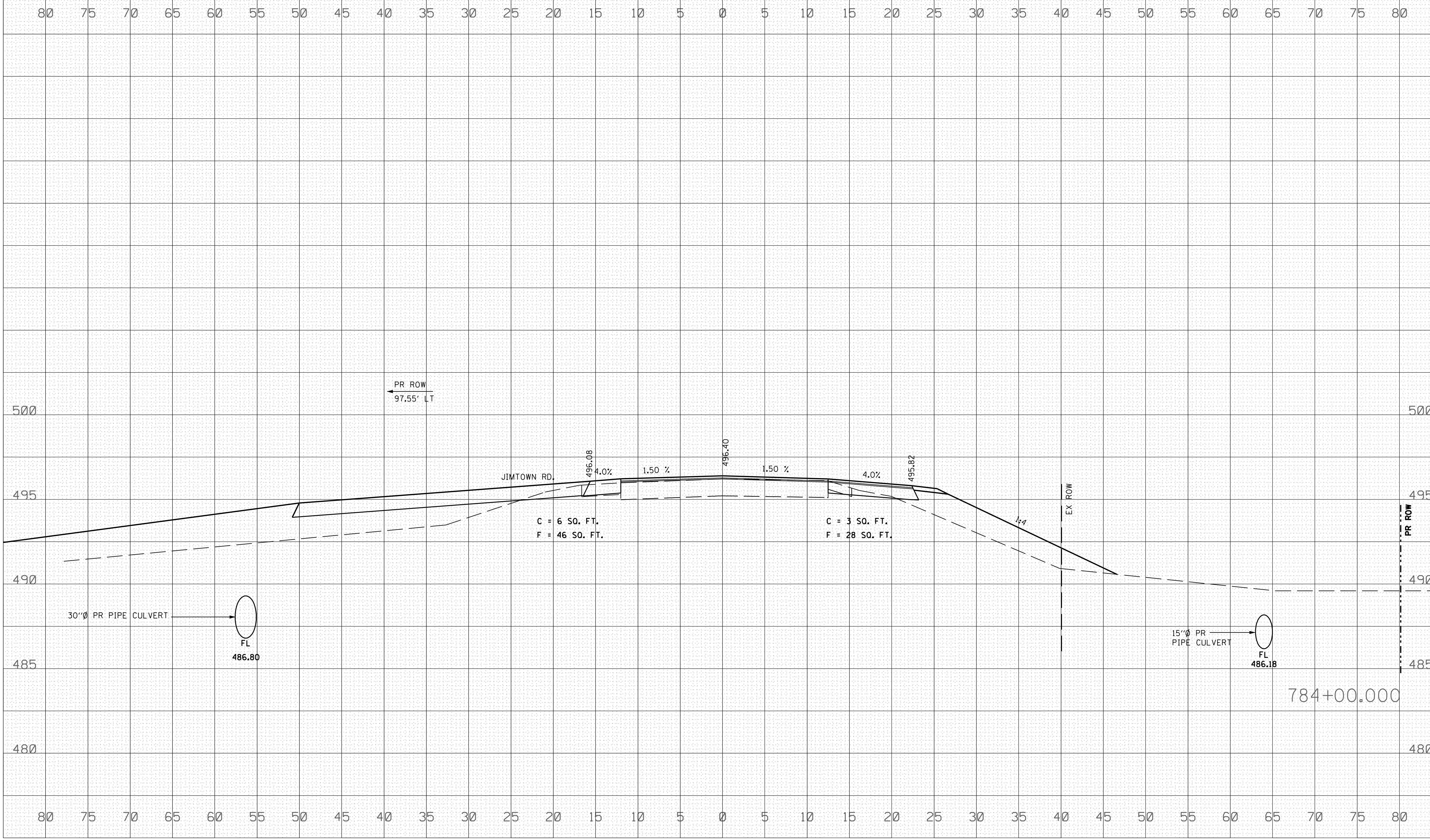
CONTRACT NO. 72908

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	3(B-1)	PIKE	51	41
STA. 784+00.000	TO STA. 784+00.000			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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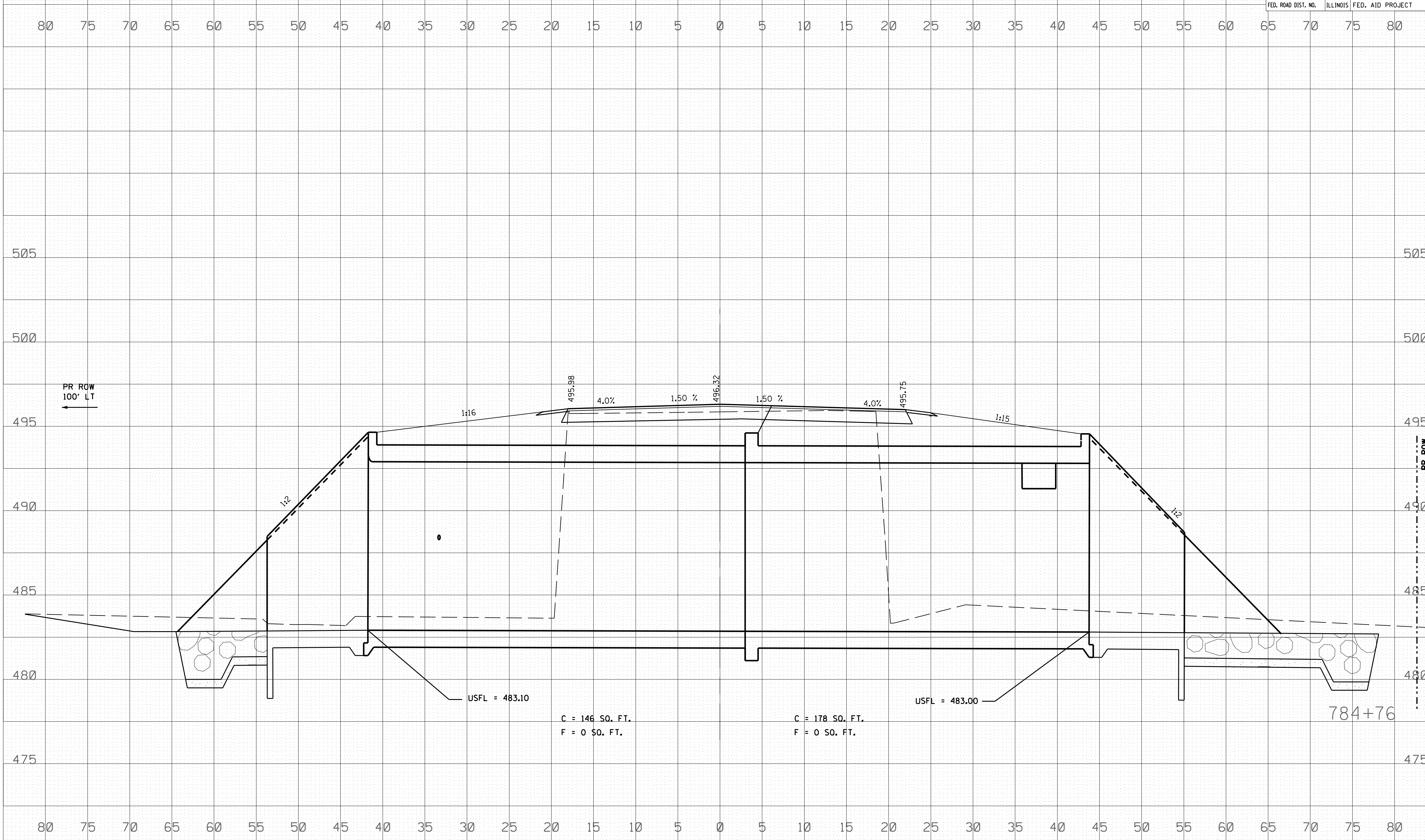
CONTRACT NO. 72908

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	3(B-1)	PIKE	51	42
STA. 784+69.120 TO STA. 784+69.120				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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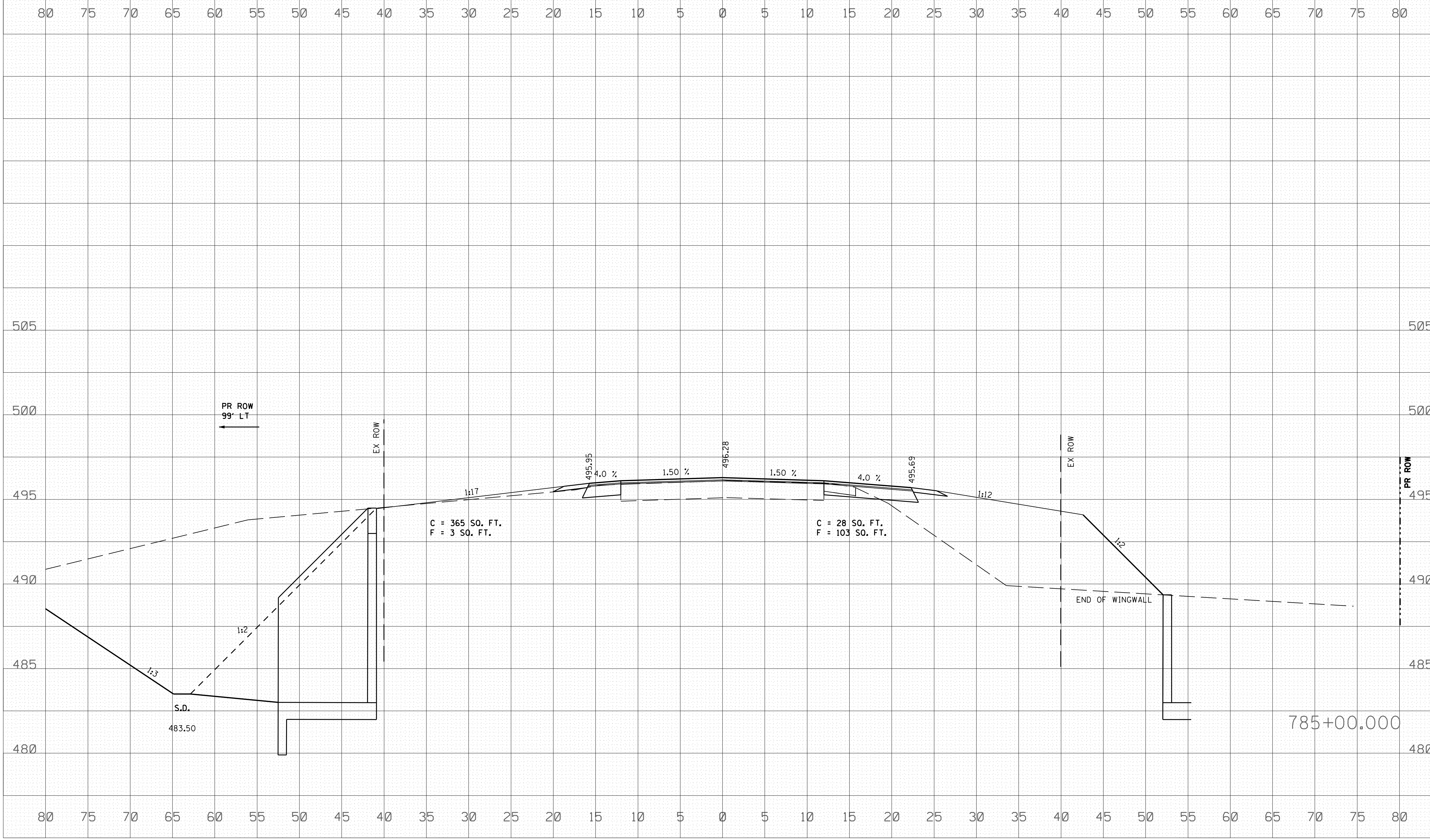
CONTRACT NO. 72908

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	3(B-1)	PIKE	51	43
STA. 785+00.000 TO STA. 785+00.000				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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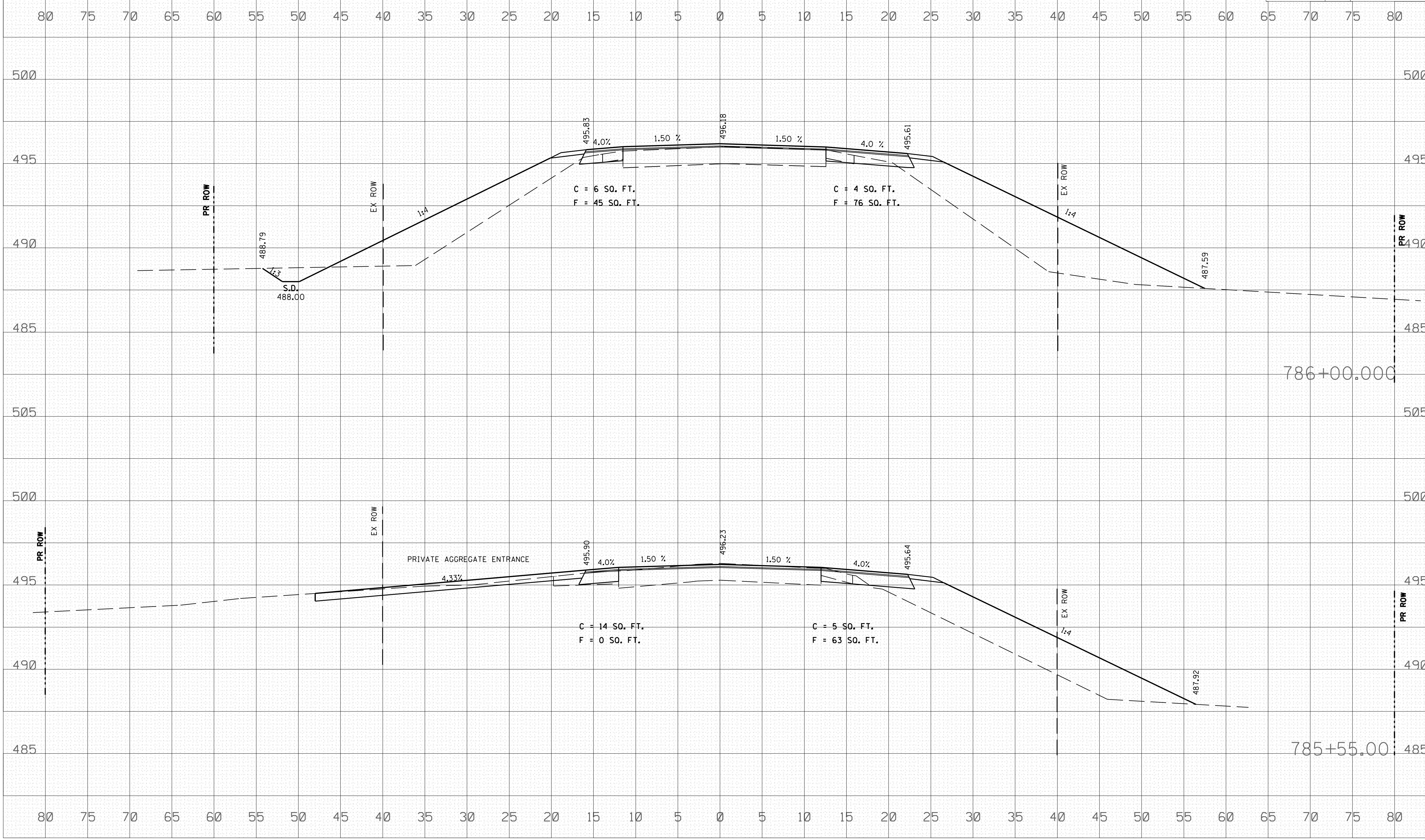
CONTRACT NO. 72908

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	3(B-1)	PIKE	51	44
STA. 785+54.629 TO STA. 786+00.000				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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NOTE BOOK TEMPLATE		
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CONTRACT NO. 72908

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	3(B-1)	PIKE	51	45
STA. 787+00.000 TO STA. 787+24.352				
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

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

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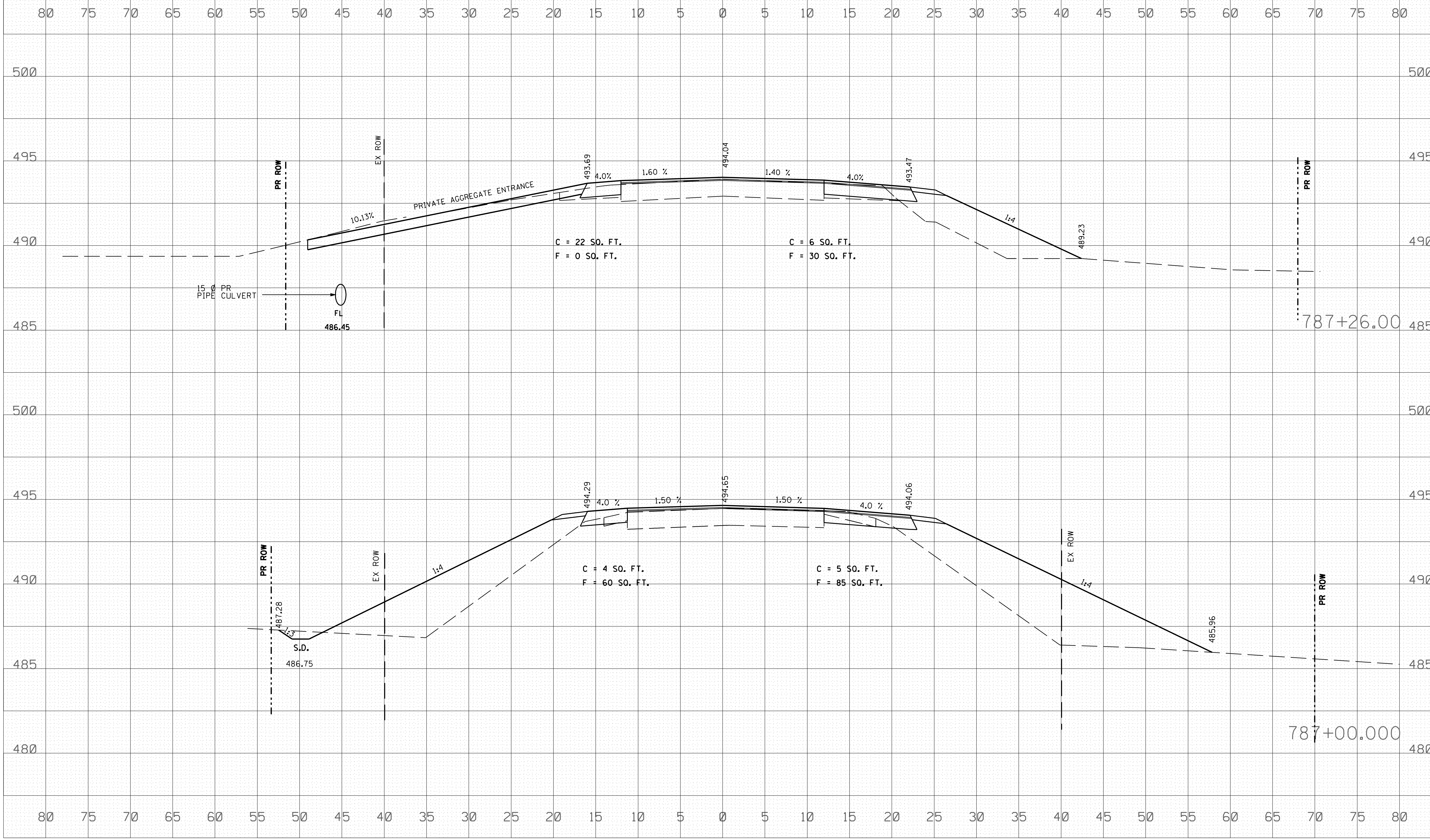

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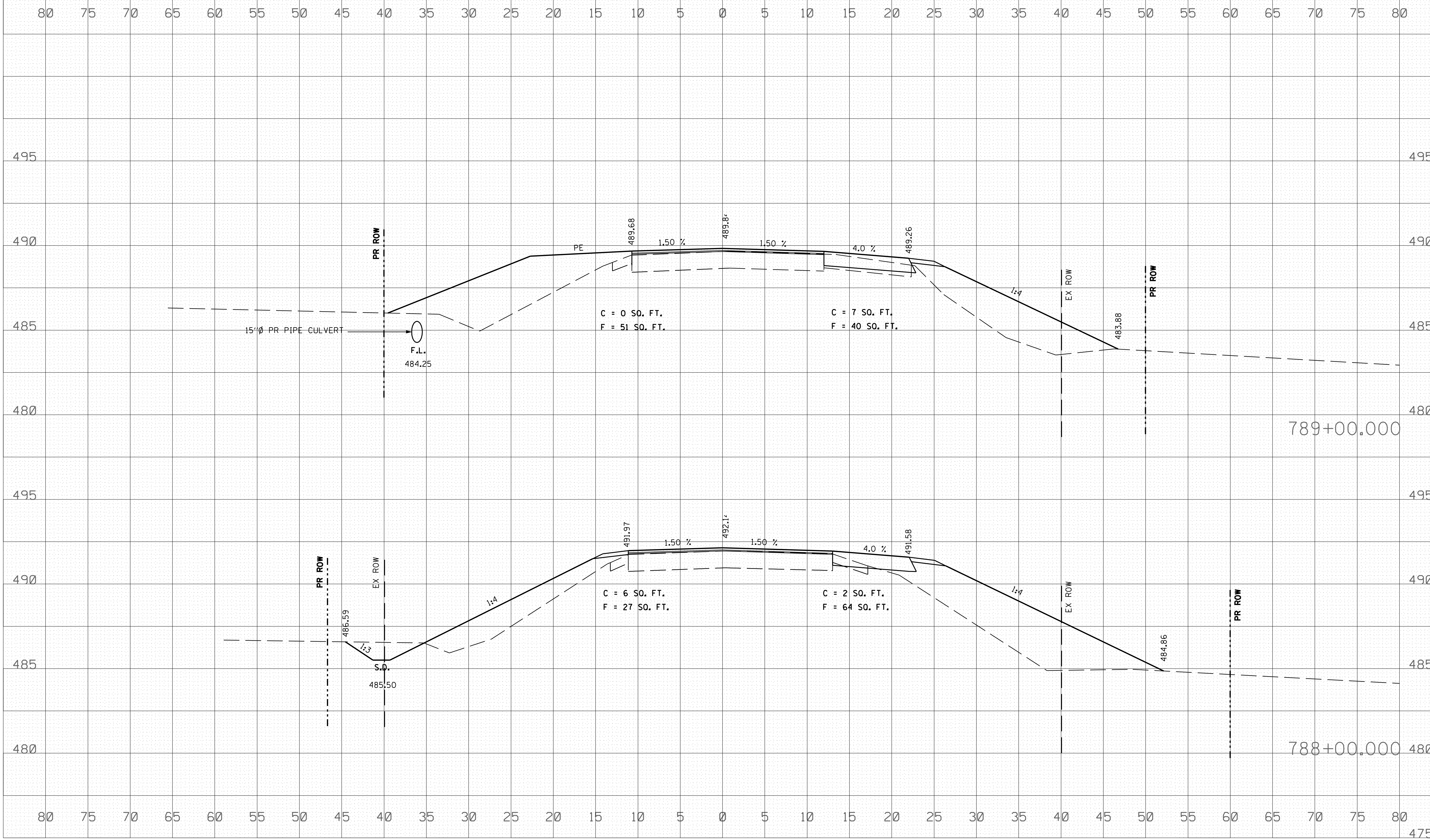
CONTRACT NO. 72908

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	3(B-1)	PIKE	51	46
STA. 788+00.000 TO STA. 789+00.000				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



FINAL SURVEY
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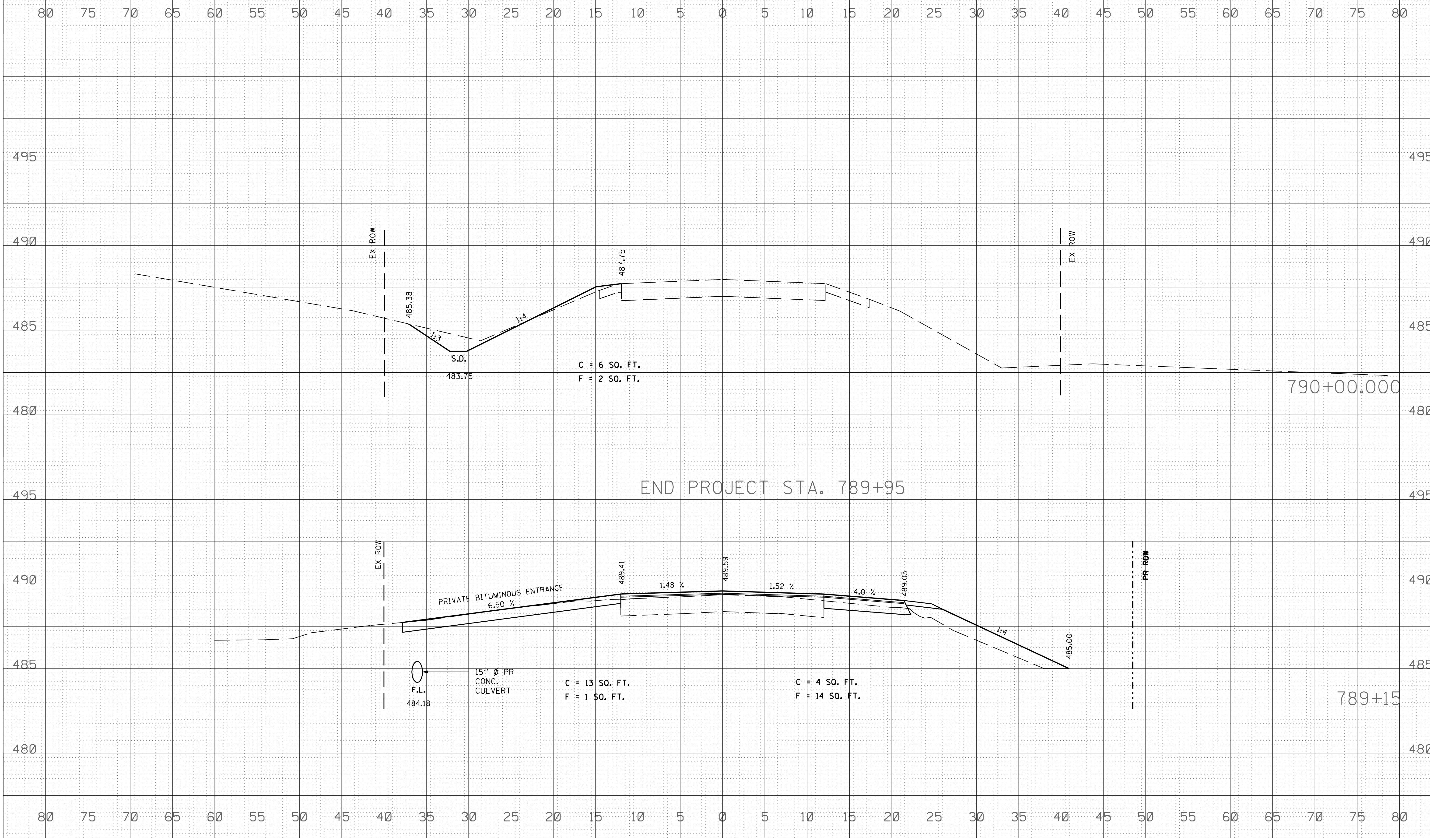
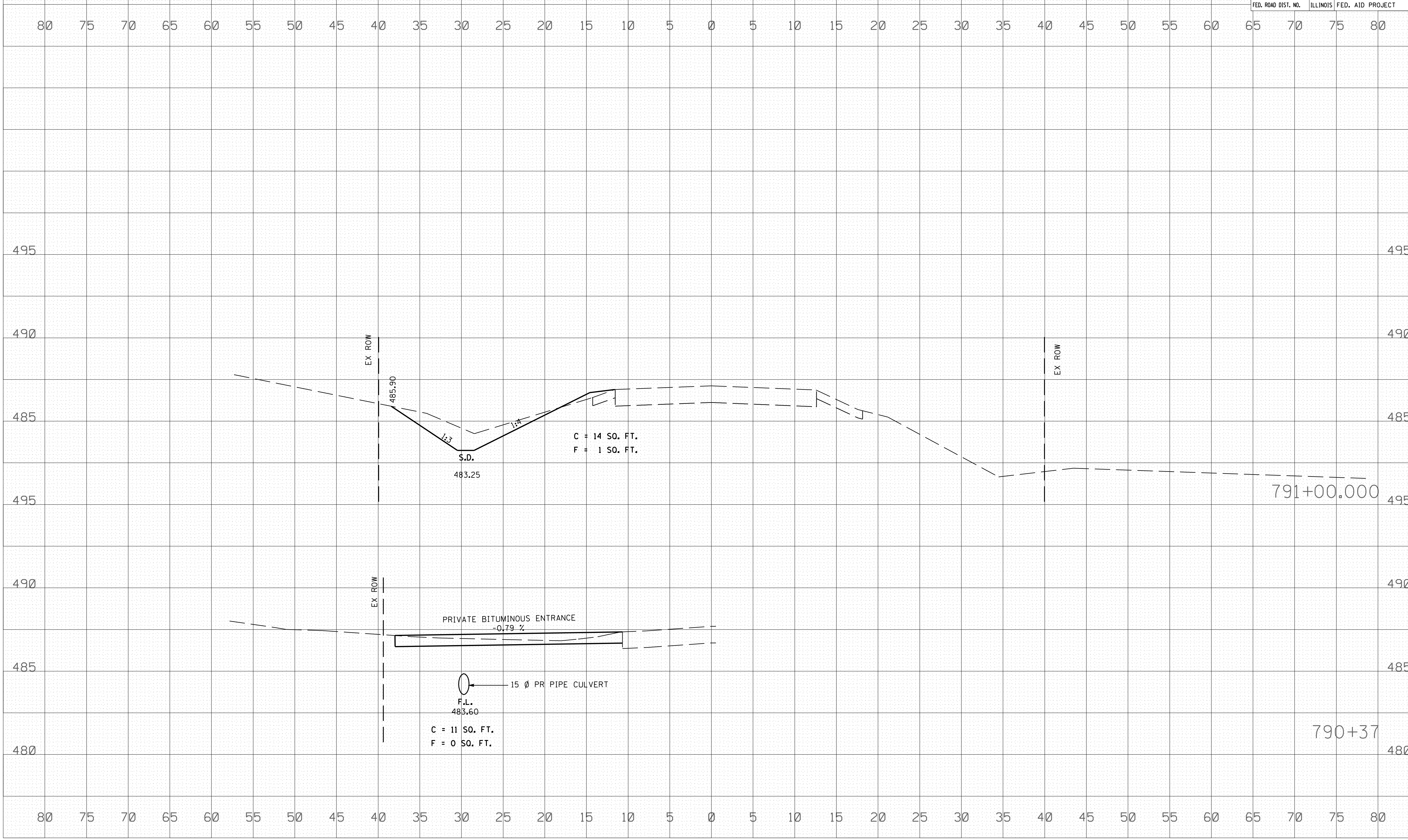
CONTRACT NO. 72908

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	3(B-1)	PIKE	51	47
STA. 789+14.912	TO STA. 790+00.000			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



CONTRACT NO. 72908

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	3(B-1)	PIKE	51	48
STA. 790+29.344 TO STA. 791+00.000				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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

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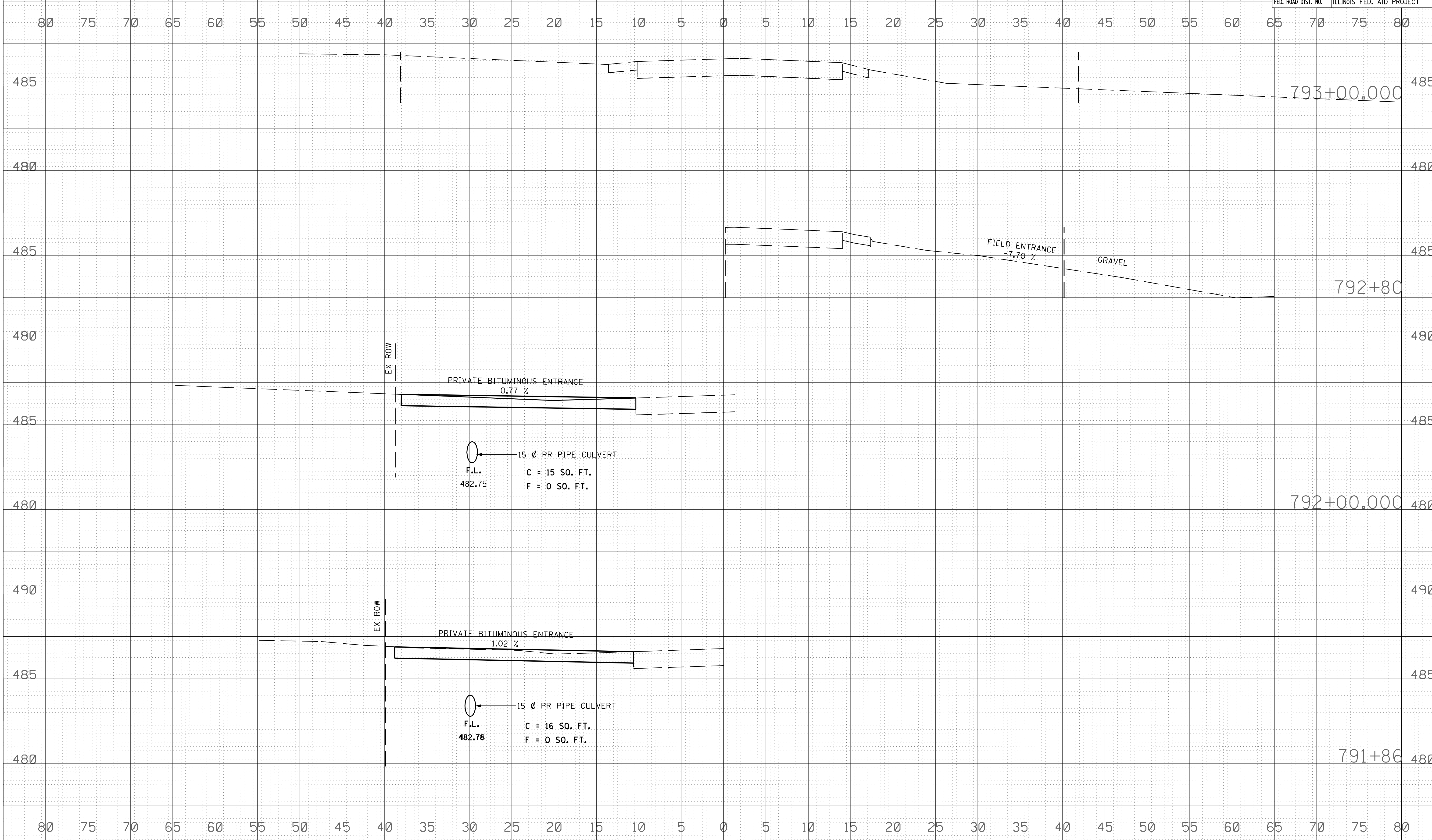
CONTRACT NO. 72908

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	3(B-1)	PIKE	51	49
STA. 791+94.268	TO STA. 793+00.000			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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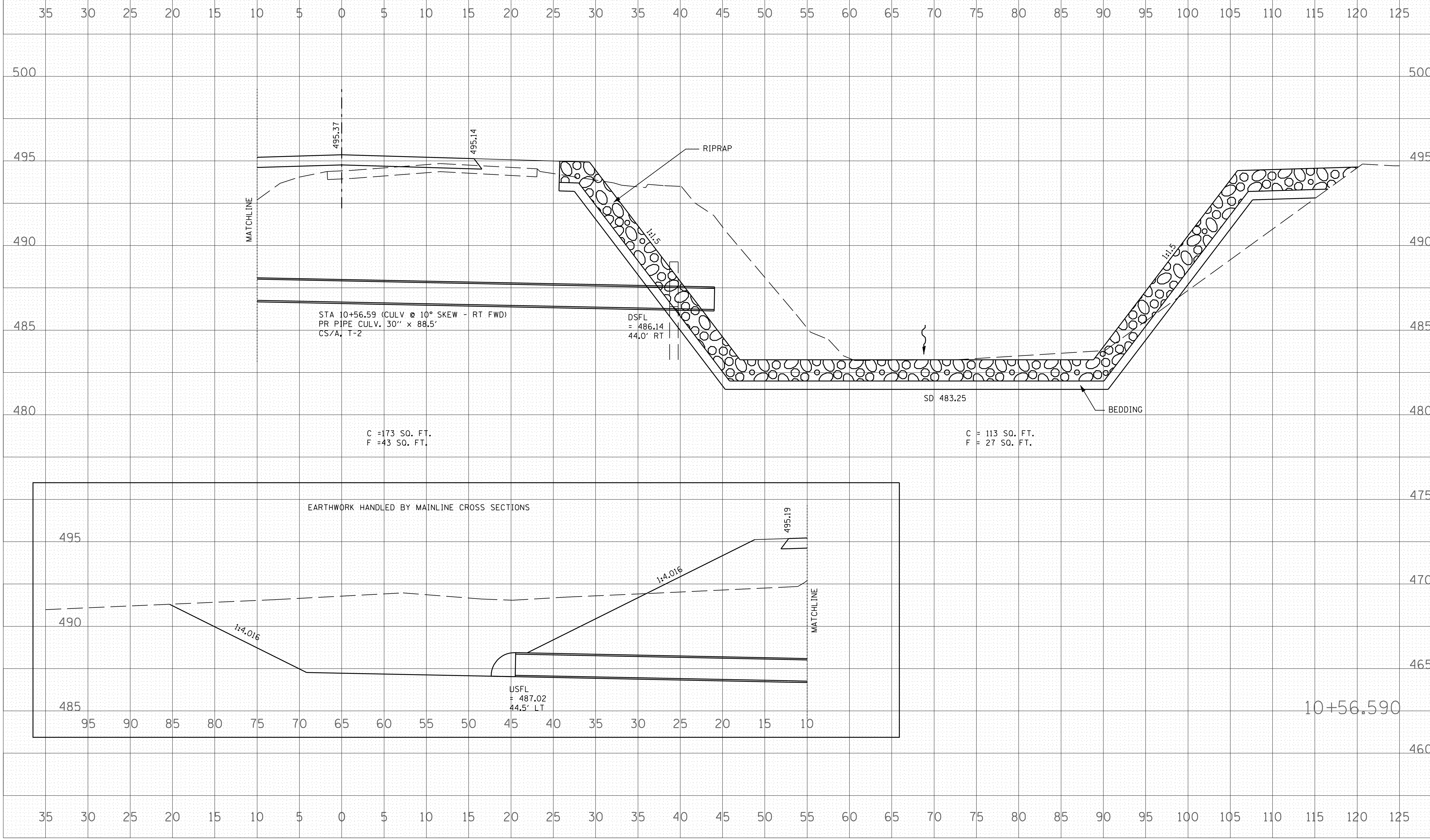
IL-96

CONTRACT NO. 72908

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	3(B-1)	PIKE	51	50
STA. 10+56.590	TO STA. 10+56.590			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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

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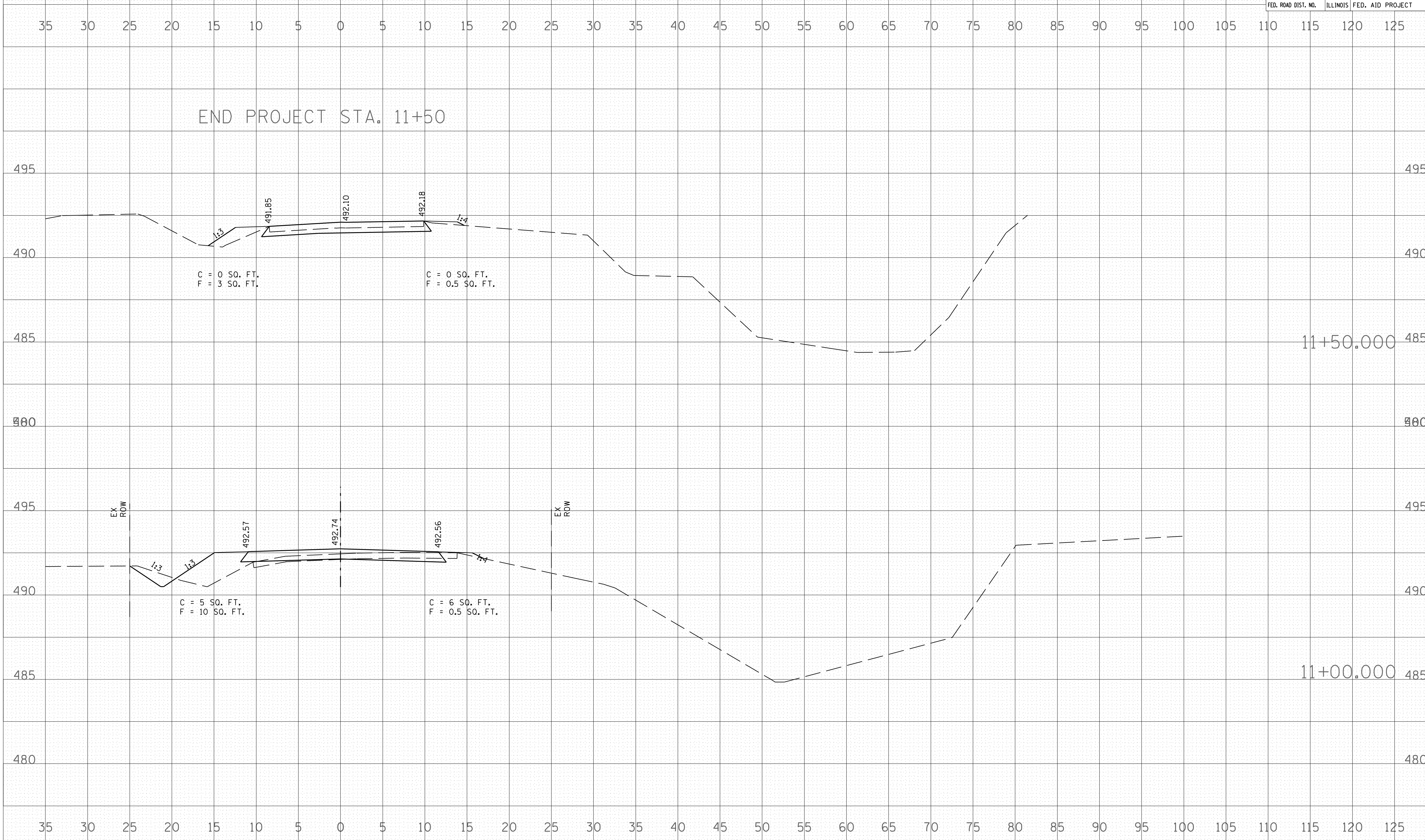
TR 2088E/JIM TOWN ROAD

CONTRACT NO. 72908

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	3(B-1)	PIKE	51	51
STA. 11+00.000	TO STA. 11+50.000			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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

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TR 2088E/JIM TOWN ROAD